DATE		
NO. SETS		
RECORD PLANS		
CONSTRUCTION PLANS		

REVIEWED BY _____ DIVISION OF CONSTRUCTION

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
R1	LAYOUT SHEET
R2-21	TYPICAL SECTIONS-SUMMARY OF QUANTITIES
R3-R69	PLAN AND PROFILE SHEETS
R70-R77	DIVERSION SHEETS
	UTILITY REFERENCE SHEETS
R78-R84	RIGHT OF WAY SUMMARY SHEETS
R85-R88	RIGHT OF WAY STRIP MAP SHEETS
R89	DETAIL SHEETS
	TRAFFIC CONTROL SHEETS
	EROSION CONTROL SHEETS
	MITIGATION PLAN SHEETS
R183-R198	COORDINATE CONTROL SHEETS
	SOIL PROFILE SHEETS
	PIPE DRAINAGE SHEETS
S1	STRUCTURE PLANS
T1	TRAFFIC PLANS
U1	UTILITY RELOCATION PLANS
X1	CROSS SECTION SHEETS

SHEETS NOT INCLUDED IN TOTAL SHEETS

3a thru 61a & 69a & 69b

STANDARD DRAWINGS

NUMBER

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R1

Commonwealth of Kentucky
DEPARTMENT OF HIGHWAYS

PLANS OF PROPOSED PROJECT

BOONE COUNTY
KY 536 / MT. ZION RD.

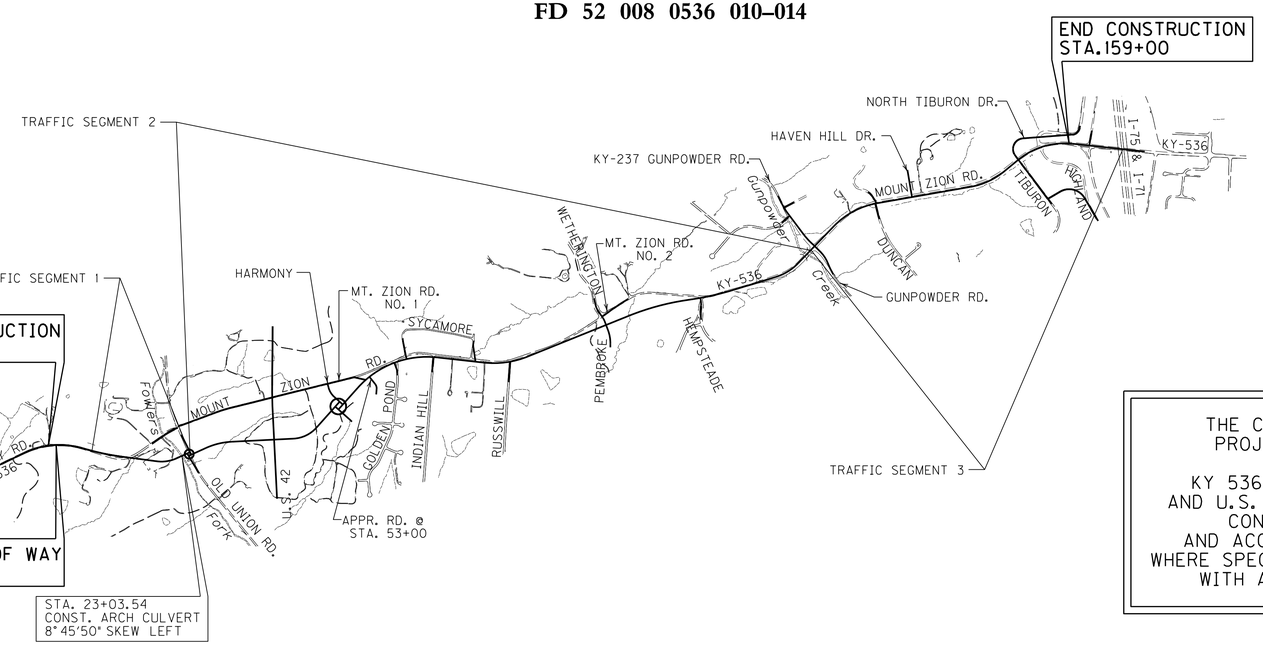
GRADE, DRAIN, AND SURFACING PLANS

FD 52 008 0536 010–014

R/W REV. NUMBER 1 JANUARY 25, 2013
R/W REV. NUMBER 2 APRIL 22, 2013
R/W REV. NUMBER 3 AUGUST 14, 2013
R/W REV. NUMBER 4 AUGUST 29, 2013
R/W REV. NUMBER 5 NOVEMBER 13, 2013
R/W REV. NUMBER 6 MAY 22, 2014
R/W REV. NUMBER 7 AUGUST 5, 2014
R/W REV. NUMBER 8 JANUARY 26, 2015
R/W REV. NUMBER 9 APRIL 24, 2015



RIGHT OF WAY PLANS



1000 0 1000 2000 3000

SCALE IN FEET

LAYOUT MAP

THE CONTROL OF ACCESS ON THIS PROJECT SHALL BE BY PERMIT EXCEPT AS FOLLOWS:
KY 536 STA. 21+10 TO STA. 50+00
AND U.S. 42 WHERE IT IS A PARTIALLY CONTROLLED ACCESS HIGHWAY
AND ACCESS SHALL BE ALLOWED ONLY WHERE SPECIFICALLY SHOWN ON THE PLANS WITH A MINIMUM SPACING OF 600'.

TRAFFIC DATA

	SEGMENT 1	SEGMENT 2	SEGMENT 3
2001 ADT	3400	7700	10000
2011 ADT	4790	11180	14660
2020 ADT	6760	16230	21490
2031 ADT	9500	23600	31500
2031 DHV	1030	2970	4130
2031 %T (ADT)	13.8%	13.8%	13.8%
2031 %T (DHV)	9.2%	9.2%	9.2%

DESIGN CRITERIA

CLASS OF HIGHWAY	URBAN ARTERIAL COLLECTOR
TYPE OF TERRAIN	ROLLING
DESIGN SPEED	35 MPH/45 MPH
REQUIRED NPSD	N/A
REQUIRED PSD	N/A
LEVEL OF SERVICE	
ADT PRESENT ( )	SEE ABOVE
ADT FUTURE ( )	SEE ABOVE
DHV	SEE ABOVE
D %	
T %	SEE ABOVE

GEOGRAPHIC COORDINATES

LATITUDE 38 DEGREES 56 MINUTES 54 SECONDS NORTH
LONGITUDE 84 DEGREES 39 MINUTES 53 SECONDS WEST

DESIGNED

% RESTRICTED SD _____
LEVEL OF SERVICE _____
MAX. DISTANCE W/O PASSING _____

KY 536 / MT. ZION ROAD		U.S. 42		KY 237 / GUNPOWDER ROAD			
LENGTH 15500 LIN. FT.	2.936 MILES	LENGTH 1922 LIN. FT.	0.364 MILES	LENGTH 1305 LIN. FT.	0.247 MILES	LENGTH _____ LIN. FT.	_____ MILES
ADDED / DEDUCTED FOR EQUALITIES	_____ LIN. FT.	ADDED / DEDUCTED FOR EQUALITIES	_____ LIN. FT.	ADDED / DEDUCTED FOR EQUALITIES	_____ LIN. FT.	ADDED / DEDUCTED FOR EQUALITIES	_____ LIN. FT.
NOT INCLUDED		NOT INCLUDED		NOT INCLUDED		NOT INCLUDED	
RAILROAD CROSSINGS NO.	_____ LIN. FT.	RAILROAD CROSSINGS NO.	_____ LIN. FT.	RAILROAD CROSSINGS NO.	_____ LIN. FT.	RAILROAD CROSSINGS NO.	_____ LIN. FT.
BRIDGES	_____ LIN. FT.	BRIDGES	_____ LIN. FT.	BRIDGES	_____ LIN. FT.	BRIDGES	_____ LIN. FT.

Commonwealth of Kentucky
DEPARTMENT OF HIGHWAYS
COUNTY OF

BOONE

ITEM NO. 6-158.00
PROJECT NUMBER: KY 536 - MT. ZION RD.
FD 52 008 0536 010-014
LETTING DATE: _____

RECOMMENDED BY: _____ PROJECT MANAGER DATE: _____

PLAN APPROVED BY: _____ STATE HIGHWAY ENGINEER DATE: _____

PLANS PREPARED AND SUBMITTED BY:

GRW Engineers, Inc.

STATE OF KENTUCKY
RICHARD L. GUIDI
8948
REGISTERED PROFESSIONAL ENGINEER

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$TIME$ $DATE$ $FILE$

RIGHT OF WAY PLANS

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R1b

R/W REV. NUMBER 1 JANUARY 25, 2013
R/W REV. NUMBER 2 APRIL 22, 2013
R/W REV. NUMBER 3 AUGUST 14, 2013
R/W REV. NUMBER 4 AUGUST 29, 2013
R/W REV. NUMBER 5 NOVEMBER 13, 2013
R/W REV. NUMBER 6 MAY 22, 2014
R/W REV. NUMBER 7 AUGUST 5, 2014
R/W REV. NUMBER 8 JANUARY 26, 2015
R/W REV. NUMBER 9 APRIL 24, 2015
R/W REV. NUMBER 10 MAY 17, 2016
R/W REV. NUMBER 11 MAY 30, 2018

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

RIGHT OF WAY REVISION NO. 1

REVISED PLANS DATE: 1/25/2013

SHEETS REVISED: R2e, R2f, R3, R3a, R4, R7, R7a, R23, R27, R27a, R29a, R41, R41a, R45, R45a, R47, R47a, R48, R53, R53a, R59a, R61a, R70, R78, R79, R80, R81, R82, R83, R84, R85, R86, R87, R195

PARCELS INVOLVED: P12, P13, P27, P31, P48, P49, P110, P122, P127, P128, P129, P130, P137, P194

REMARKS: P12-P13: MOVE ENTRANCE
P27: REMOVE EXIST. CHANNEL LINING
P31: INCORPORATE EXIST. PERM. EASEMENT WITH TEMP. EASEMENT
P48-P49: ADD DRAINAGE STRUCTURES AND CURB AND GUTTER
P110: INCORPORATE EXIST. PERM. EASEMENT WITH TEMP. EASEMENT
P122: SHIFT TEMP. EASEMENT OFF OF DRIVEWAY
P127-P130: INCORPORATE EXIST. PERM. EASEMENT WITH TEMP EASEMENT
P137: ADD CHANNEL LINING AT PIPE OUTLET
P194: ADD STATION AND OFFSETS

RIGHT OF WAY REVISION NO. 2

REVISED PLANS DATE: 4/22/2013

SHEETS REVISED: R2b, R2c, R2d, R2e, R2f, R2g, R2h, R2i, R2j, R5, R5a, R7, R7a, R11, R11a, R13, R13a, R14, R15, R15a, R16, R17, R17a, R21, R21a R23, R23a, R29, R31, R31a, R33, R33a, R35, R35a, R36, R37, R37a, R38, R39, R39a, R40, R41, R41a, R42, R53, R53a, R57, R59, R59a, R61, R61a, R68, R69, R69a, R69b, R78, R80, R81, R82, R83, R84, R85, R86, R87, R88, R185, R190, R191, R192, R193, R194, R195, R196, R197, R198

PARCELS INVOLVED: P14, P19, P20, P31, P32, P42, P43, P44, P53, P54, P56, P76, P86, P98, P99, P112, P137, P141, P143, P144, P145, P146, P148, P150, P151, P152, P153, P154, P155, P156, P157, P158, P159, P160, P161, P162, P163, P164, P165, P166, P167, P168, P169, P170, P171, P172, P173, P174, P175, P176, P177, P178, P179, P180 P181, P182, P183, P184, P185, P186, P187, P188, P195, P196

REMARKS: P14, P112, P137, P195-P196:
WATER MAIN EASEMENT
P19: PARCEL CHANGED
P20: REVISE BEGIN A.C.
P31-P32: BACK SOURCE DEEDS
P42-P44, P56: ADD DITCH
P53-P54, P98-P99, P141, P143-P146, P148, P150-P178, P187:
20' SANITARY SEWER EASEMENT
P76: REVISE BEFORE AREA ON SUMMARY SHEET
P86: MOVE ENTRANCE
P176: CHANGE PROPERTY OWNER
P179-P180, P184-P186:
PROJECT 6-14 ADDED LANES
P181-P183:
20' SANITARY SEWER EASEMENT & PROJECT 6-14 ADDED LANES
P188: ACCESS ELIMINATED TO P180

SHEETS R2b-R2i: ADD TYPICALS FOR KY536 END OF PROJECT & FLORENCE BAPTIST CHURCH APPROACH, REVISE NOTES, AND RENUMBER SHEETS

SHEET R185 & R190: REVISE AND ADD COORDINATES FOR KY 536, NORTH TIBURON AND FLORENCE BAPTIST CHURCH APPROACH

SHEETS R191-R198: REVISE R/W MONUMENTS

RIGHT OF WAY REVISION NO. 3

REVISED PLANS DATE: 8/14/2013

SHEETS REVISED: R3, R5, R7, R13, R13a, R14, R15, R15a, R16, R17, R17a, R18, R19, R20, R23, R24, R25, R26 R27, R28, R29, R30, R33, R34, R37, R37a, R38, R39, R39a, R40, R41, R41a, R53, R54, R53a, R55, R56, R59, R59a, R60, R61, R61a, R63-R68, R69, R69a,R69b, R78, R79, R80, R82, R83, R84, R86, R87, R183

PARCELS INVOLVED REMARKS

P13 — ENTRANCE LENGTH REDUCED.
P18 — TOTAL AREA OF TRACT AND PORTION REMAINING CORRECTED.
P19 — ANNOTATION ADDED.
P20 — ANNOTATION ADDED.
P22 — ANNOTATION REMOVED.
P42 — ENTRANCE WIDTH MODIFIED.
P53 — OFFSET LEFT OF SYCAMORE DR. NO. 2 STA. 47+31 CHANGED TO 44.33' TO MATCH DEED DESCRIPTION.
P54 — OFFSET LEFT OF SYCAMORE DR. NO. 2 STA. 47+31 CHANGED TO 44.33' TO MATCH DEED DESCRIPTION.
P56 — PARCEL ANNOTATION ADDED.
P65 — TOTAL AREA OF TRACT AND PORTION REMAINING CORRECTED.
P66 — TOTAL AREA OF TRACT AND PORTION REMAINING CORRECTED.
P67 — TEMPORARY EASEMENT SIZE REDUCED.
P80 — TEMPORARY FRONTAGE ROAD AND EX. SIDEWALK REMOVED.
P132 — AREA IN PERMANENT EASEMENT COLUMN WAS DELETED.
P137 — PERMANENT EASEMENT LABEL EXPANDED TO INCLUDE THE WATER MAIN.
P140 — PERMANENT EASEMENT LABEL EXPANDED TO INCLUDE THE WATER MAIN.
P180 — EXCESS PURCHASE AREA ADDED.
P183 — TOTAL AREA OF TRACT & POR. REMAINING CHANGED.
P184 — EXCESS PURCHASE AREA ADDED.
P185 — TOTAL AREA OF TRACT & POR. REMAINING CHANGED.
P186 — EXIST. WATER PIT ADDED.
P188 — EXCESS PURCHASE AREA ADDED.

REMARKS CONCERNING OTHER SHEETS:
R183 - THE PROJECT DATUM FACTOR WAS REVISED.

R5, R7, R13-R20, R23-R28, R29, R30, R33-R34, R37-R40,R53-R55, R56, R60, R63-69b - CROSS REFERENCING NOTES ADDED.

RIGHT OF WAY REVISION NO. 4

REVISED PLANS DATE: 8/29/2013

SHEETS REVISED: R7, R7a, R41, R41a, R78, R85, R195-R198

PARCELS INVOLVED REMARKS

P20 — PROP. R/W TAKE (RIGHT OF OLD UNION RD.) ENLARGED.
END C/A POINT MOVED.
ONE R/W MONUMENT MOVED AND ONE R/W MONUMENT ADDED.
ADJACENT PERM. DRAINAGE EASEMENT REDUCED IN SIZE.
ADJACENT TEMP. EASEMENT REDUCED IN SIZE.

RIGHT OF WAY REVISION NO. 5

REVISED PLANS DATE: 11/13/13

SHEETS REVISED: R2e, R2f, R2g, R7, R7a, R9, R9a, R13, R13a, R15, R15a, R17,R17a, R21, R21a, R23, R29, R30, R31, R31a, R33, R33a, R35a, R41, R41a, R42, R43, R43a, R44, R45, R45a, R53, R57, R58, R63, R78, R79, R80, R82, R83, R85, R86, R87, R88, R183, R184, R188,

PARCELS INVOLVED: P23, P25, P29, P31-P35, P41, P45, P51, P65, P66, P83, P130, P143, P144, P156, P171, P181, P196

REMARKS: P23 — MANHOLE NO. 26 LOCATION REVISED, HEADWALL & PIPES ADJUSTED.
P25 — EASEMENT REVISED.
P29 — R/W & TEMP. EASEMENT FOR WATER LINE & DOWNSPOUT CONNECTIONS REVISED.
P31 — "LANDLOCKED" LABEL ADDED.
P31-P35 — ENTRANCES UPGRADED TO APPR RDS. (393+10.64), DITCHES, PIPES & LIMITS ADJUSTED, ADDED, R/W MONUMENTS UPDATED.
P41 — EXCESS PURCHASE.
P45 — APPR. RD. MOVED & REVISED. DESIGN INCOMPLETE. DESIGN TO BE FINALIZED ON NEXT SUBMISSION.
P51 — REVISED BEARING ON TEMP. EASEMENT DEED.
P65 — EXCESS PURCHASE.
P66 — EXCESS PURCHASE.
P83 — EXCESS PURCHASE.
P130 — EX. HEADWALL & PAVED DITCH REPLACED WITH JUNCTION BOX AND PIPES. WORK TO BE DONE BY CONSENT AND RELEASE.
P143 — EX. TOPO FOR TURNAROUND ADDED & TEMP. EASEMENT EXTENDED.
P144 — EX. LEACH FIELD SHOWN.
P156 — CHANGE IN OWNERSHIP SHOWN.
P158-P160 AREAS REVISED ON R/W SUMMARY.
P162-P163 AREAS REVISED ON R/W SUMMARY.
P171 — REVISED R/W CALL.
P181 — TEMP. & PERM. EASEMENT NUMBERS ON R/W SUMMARY REVISED.
P196 — WYE ENTRANCES OFF MT. ZION RD. NO. 2 REVISED, CB ADDED. NO CHANGE TO R/W.

RIGHT OF WAY REVISION NO. 6

REVISED PLANS DATE: MAY 22, 2014

SHEETS REVISED: R5, R5a, R7, R7a, R13, R13a, R15, R15a, R19a, R21, R21a, R23, R23a, R27, R33, R34, R35, R36, R41, R41a, R43, R43a, R45, R45a, R51, R51a, R78, R79, R81, R85, R86, R87

PARCELS INVOLVED REMARKS

P19---EXCESS PURCHASE

P23---EXCESS PURCHASE

P25---REVISED OWNER NAMES AND DB AND PG NO.

P32---REVISED TEMP. EASEMENT NUMBER

P38---EXCESS PURCHASE AND REVISED OWNER NAME, DB AND PG NO.

P43---ENTRANCE SHORTENED, DRAINAGE AND TEMP. EASEMENT ADJUSTED, DND NOTE ADDED FOR WALL AND SIDEWALK

P80---SEPARATE TEMP. EASEMENTS PROVIDED, BRGS. AND DISTANCES AND STATIONS AND OFFSETS ADDED

P97---REVISED OWNER NAME CHANGE AND DB AND PG NO.

P121---DND NOTE ADDED FOR ELECTRIC BOX

P154---CURB CUT ADDED

P187---CURB CUT ADDED, DRAINAGE STRUCTURE AND PIPES REVISED

RIGHT OF WAY REVISION NO. 7

REVISED PLANS DATE: AUGUST 5, 2014

SHEETS REVISED: R13, R13a, R13b, R13c, R14, R15, R15a, R16, R17, R27, R27a, R31, R31a, R33, R33a, R37a, R39a, R43, R43a, R59a, R63, R78-R84, R86-R88

PARCELS INVOLVED REMARKS

P25---APPR. RD. AND DRAINAGE REVISED, ELIMINATED TEMP. EASEMENT

P33---APPR. RD. REVISED

P45---ENTRANCE RD. AND TEMP. EASEMENT REVISED SHEETS 13b AND 13c ADDED AND REFERENCE NOTE ON PROFILE CHANGED

P50---SANITARY SEWER LINE AND SERVICE ADDED

P51---ENTRANCE, DRAINAGE, TEMP. EASEMENT AND SAN. SEWER REVISED

P65---TOTAL AREA OF TRACT PREVIOUSLY REVISED ON R/W REV. 6

P66---TEMP. EASEMENT ADDED BACK IN

P70---DO NOT DISTURB NOTES ADDED

P83---TEMP. EASEMENT ADDED BACK IN

P87---ENTRANCE CHART REVISED

P117---SAN. SEWER CONNECTIONS ADDED 20' PERM. SAN. SEWER EASEMENT ADDED

P118-P120---SAN. SEWER LINE AND 20' PERM. SAN. SEWER EASEMENT ADDED

P152---OWNER NAME, DEED BOOK AND PAGE NUMBER REVISED AND PERM. SAN. SEWER EASEMENT REMOVED

P154---SAN. SEWER SERVICE ADDED

P180---TEMP. EASEMENT ADDED BACK IN, BEARINGS AND DISTANCES ADDED FOR EXCESS PURCHASE

P184---TEMP. EASEMENT ADDED BACK IN, BEARINGS AND DISTANCES ADDED FOR EXCESS PURCHASE

P188---BEARINGS AND DISTANCES ADDED FOR EXCESS PURCHASE

RIGHT OF WAY REVISION NO. 8

REVISED PLANS DATE: JANUARY 26, 2015

SHEETS REVISED: R2g, R5, R25, R26, R27, R27a, R33, R33a, R35, R37, R66, R81, R87, R184, R189

PARCELS INVOLVED REMARKS

P15---EX. PIPE SHOWN AND LABELED "DO NOT DISTURB"

P114---ENTRANCE WAS CHANGED TO AN APPROACH. DRAINAGE WAS ADJUSTED.

P118---SAN. SEWER REVISED, PERM. EASEMENT WAS ADJUSTED AND P202 ADDED.

P119---SAN. SEWER REVISED, PERM. EASEMENT WAS ADJUSTED AND P203 ADDED.

P120---SAN. SEWER REVISED, PERM. EASEMENT WAS ADJUSTED AND P204 ADDED.

P152---PERM. EASEMENT REVISED. STA. AND OFFSETS WERE ADDED.

P162---CATCH BASIN SHIFTED.

P182---TREES ADDED TO MAPPING AND LABELED "TO BE REMOVED"

RIGHT OF WAY REVISION NO. 9

REVISED PLANS DATE: 4/24/2015

SHEETS REVISED: R5, R5a, R7. R7a, R25, R69b, R78, R85

PARCELS INVOLVED: P20, P114

REMARKS: P20: REVISED TEMPORARY EASEMENT TO AVOID HOUSE AND REDUCED ENTRANCE TO STUB-OUT ONLY
P114: ENTRANCE FROM APPROACH WAS REVISED

RIGHT OF WAY REVISION NO. 10

REVISED PLANS DATE: 5/17/2016

SHEETS REVISED: R1a, R5, R5a, R7. R7a, R15, R15a, R41, R41a, R71, R78, R79, R85, R86

PARCELS INVOLVED: P20, P52

REMARKS: P20: EXCESS PURCHASE ADDED
P52: EXCESS PURCHASE ADDED

RIGHT OF WAY REVISION NO. 11

REVISED PLANS DATE: 5/30/2018

SHEETS REVISED: R1b, R2l,R2m,R2n,R2o,R2r, R2s,R2v,R5,R5a,R6,R84,R85,R215 X17-X20
SHEETS ADDED: R2ii,R89c,R89d
PARCELS INVOLVED: P415

REMARKS: P415 WAS PREVIOUSLY P15
ADDITIONAL R/W IS NEEDED IN ORDER TO CORRECT A SLIDE THAT OCCURED DURING CONSTRUCTION.
P415 R/W AND TEMPORARY EASEMENT ADDED

SCALE: 1"= 1'

RIGHT OF WAY REVISION SHEET

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME: ROOTOALS

$DATE$ $TIME$ $FILE$

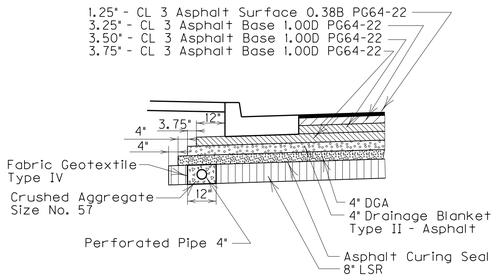
COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R2

RIGHT OF WAY PLANS

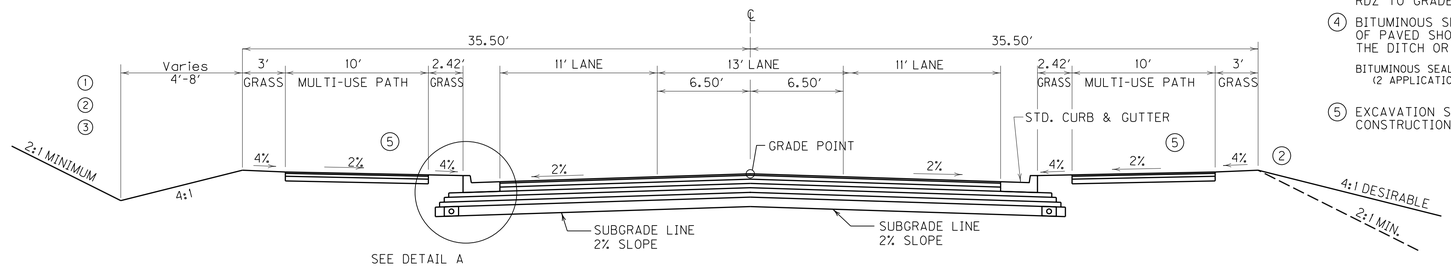
DATE DATE DATE
PREPARED BY CHECKED BY APPROVED BY

TYPICAL SECTIONS

SCALE: 1"=5'



DETAIL A



3 – LANE URBAN NORMAL CUT/FILL SECTION

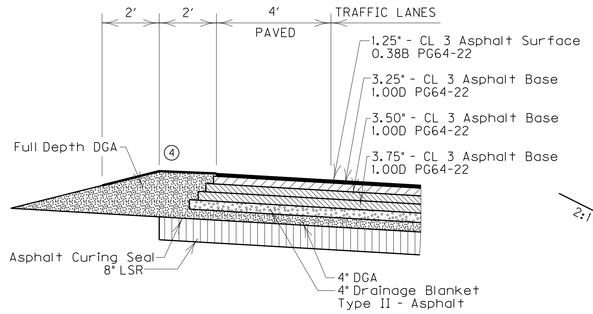
KY 536 – MT. ZION ROAD

STA. 15+40.10 TO STA. 18+28.70
STA. 23+30.60 TO STA. 25+00 SEE RAB PLANS & ELEV. DEV. SHEETS.

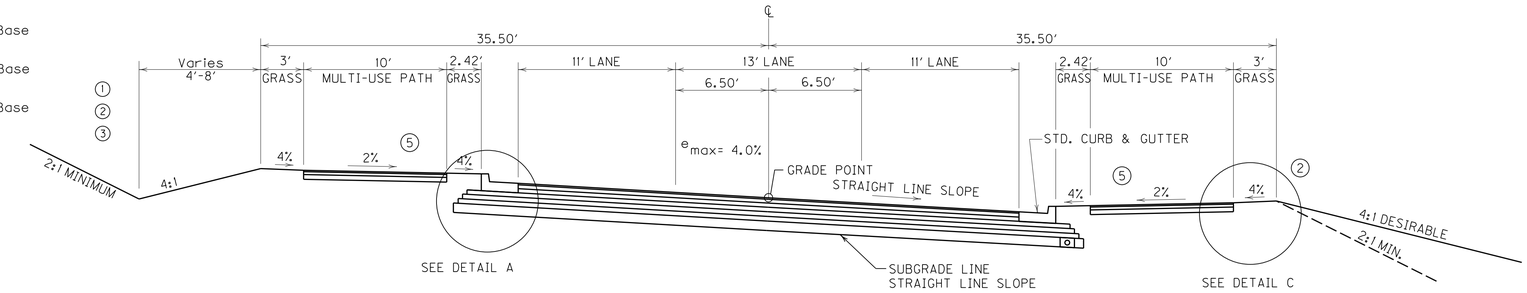
NOTES

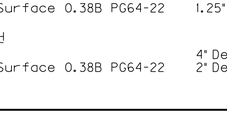
1. SEE CROSS SECTIONS FOR ROCK SLOPES.
2. SEE CROSS SECTIONS FOR SLOPES OUTSIDE THE LIMITS OF THE SHOULDERS.
3. SEE CROSS SECTIONS FOR PRE-SPLIT SLOPES FROM RDZ TO GRADE USED FOR ROCK CUTS.
4. BITUMINOUS SEAL REQUIRED FROM OUTSIDE EDGE OF PAVED SHOULDER TO A POINT 2 FEET DOWN THE DITCH OR FILL SLOPE.

   BITUMINOUS SEAL COAT — EMULSIFIED ASPHALT RS-2 @ 2.40 LBS./S.Y.
   (2 APPLICATIONS) BITUMINOUS SEAL AGGREGATE @ 20 LBS./S.Y.
   (CRUSHED AGGREGATE SIZE NO.8 OR 9M)
5. EXCAVATION SHALL BE CONSIDERED INCIDENTAL TO THE CONSTRUCTION OF THE MUP.



DETAIL B



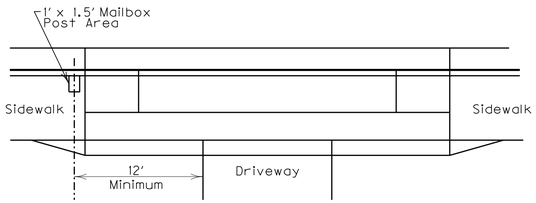


DETAIL C

3 – LANE URBAN SUPERELEVATION CUT/FILL SECTION

KY 536 – MT. ZION ROAD

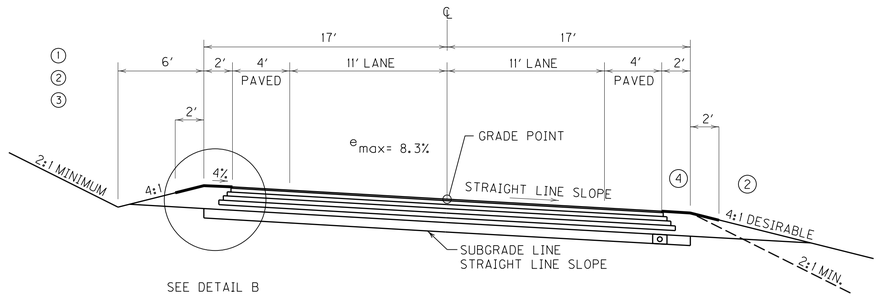
STA. 10+37.50 TO STA. 15+40.10
STA. 18+28.70 TO STA. 23+30.60



TYPICAL MAILBOX POST AREA IN AREAS WITH SIDEWALK

NOTE:
Provide a 1' x 1.5' earthen area in the proposed sidewalk for the location of a mailbox mounting post 36" deep.

Locate the post area near the principal pedestrian access (walk or driveway) for each adjacent property.



2 – LANE RURAL SUPERELEVATION CUT/FILL SECTION

KY 536 – MT. ZION ROAD

STA. 7+00 TO STA. 10+37.50

PAVEMENT SCHEDULE

ROADBED PREPARATION	
LSR (6% Lime by Weight)	8" Depth
Lime	Ton
Asphalt Curing Seal	2.0 Lb./Sq.Yd.
Sand for Blotter	5.0 Lb./Sq.Yd.
TRAFFIC LANES & SHOULDERS	
DGA	4" Depth
Drainage Blanket - Type II - Asphalt	4" Depth
CL 3 Asphalt Base 1.00D PG64-22	3.75" Depth
CL 3 Asphalt Base 1.00D PG64-22	3.50" Depth
CL 3 Asphalt Base 1.00D PG64-22	3.25" Depth
CL 3 Asphalt Surface 0.38B PG64-22	1.25" Depth
MULTI-USE PATH	
DGA	4" Depth
CL 3 Asphalt Surface 0.38B PG64-22	2" Depth

SCALE: 1"= 5'

KY 536 MAINLINE - 3 LANES
TYPICAL SECTIONS

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$DATE$ $TIME$ $FILE$

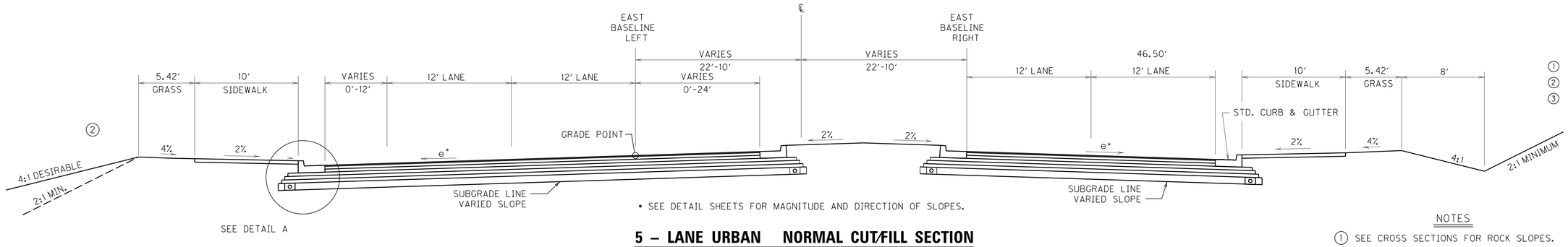
COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R2a

RIGHT OF WAY PLANS

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

TYPICAL SECTIONS

SCALE: 1"=5'



• SEE DETAIL SHEETS FOR MAGNITUDE AND DIRECTION OF SLOPES.

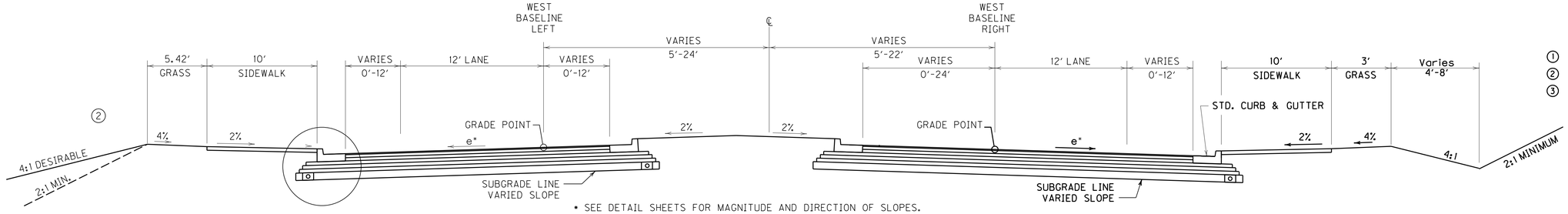
5 – LANE URBAN NORMAL CUT/FILL SECTION

KY 536 – MT. ZION ROAD

STA. 37+00 TO STA. 45+00 SEE ELEV. DEV. SHEET.
STA. 45+00 TO STA. 47+00 – SEE RAB PLANS.

NOTES

1. SEE CROSS SECTIONS FOR ROCK SLOPES.
2. SEE CROSS SECTIONS FOR SLOPES OUTSIDE THE LIMITS OF THE SHOULDERS.
3. SEE CROSS SECTIONS FOR PRE-SPLIT SLOPES FROM RDZ TO GRADE USED FOR ROCK CUTS.

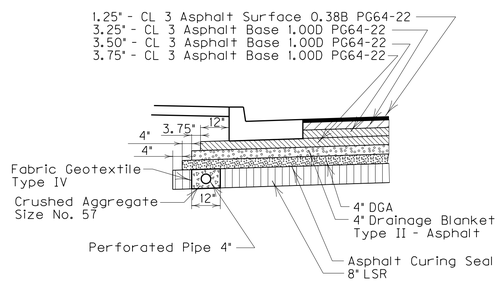


• SEE DETAIL SHEETS FOR MAGNITUDE AND DIRECTION OF SLOPES.

5 – LANE URBAN NORMAL CUT/FILL SECTION

KY 536 – MT. ZION ROAD

STA. 25+00 TO STA. 35+50 SEE RAB PLANS & ELEV. DEV. SHEET.
STA. 35+50 TO STA. 37+00 – SEE ELEV. DEV. SHEET.



DETAIL A

PAVEMENT SCHEDULE

ROADBED PREPARATION	
LSR (6% Lime by Weight)	8" Depth
Lime	Ton
Asphalt Curing Seal	2.0 Lb./Sq.Yd.
Sand for Blotter	5.0 Lb./Sq.Yd.
TRAFFIC LANES & SHOULDERS	
DGA	4" Depth
Drainage Blanket - Type II - Asphalt	4" Depth
CL 3 Asphalt Base 1.00D PG64-22	3.75" Depth
CL 3 Asphalt Base 1.00D PG64-22	3.50" Depth
CL 3 Asphalt Base 1.00D PG64-22	3.25" Depth
CL 3 Asphalt Surface 0.38B PG64-22	1.25" Depth

SCALE: 1"= 5'

KY 536 MAINLINE
TYPICAL SECTIONS

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$files$specification$$$$
E-SHEET NAME:

$DATE$ $TIME$ $FILE$

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R2b

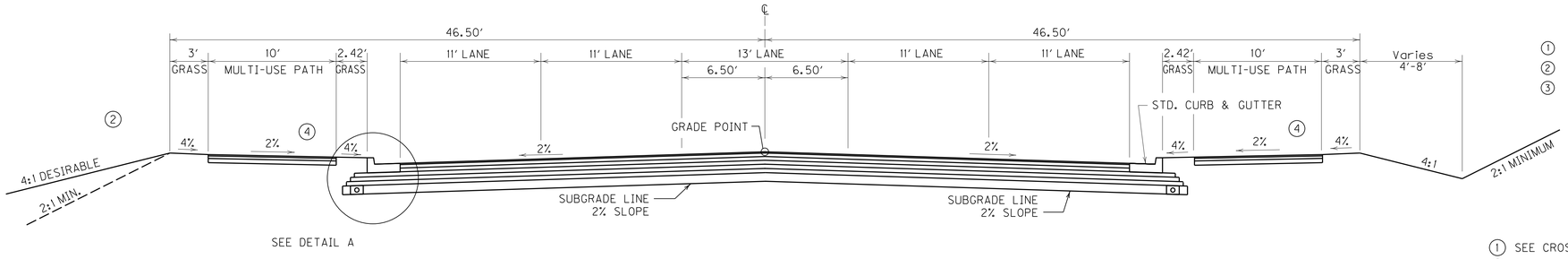
R/W REV. NUMBER 2 APRIL 22, 2013

RIGHT OF WAY PLANS

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

TYPICAL SECTIONS

SCALE: 1"=5'



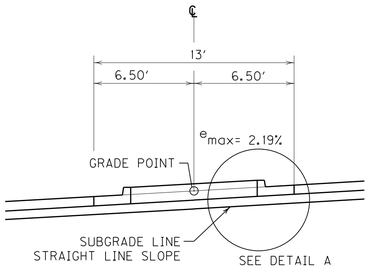
5 – LANE URBAN NORMAL CUT/FILL SECTION

KY 536 – MT. ZION ROAD

STA. 38+25 TO STA. 44+75 SEE ELEV. DEV. SHEET.
STA. 44+75 TO STA. 49+50 SEE RAB PLANS.
STA. 64+82 TO STA. 67+87.60
STA. 77+66.60 TO STA. 89+90.50
STA. 107+55.70 TO STA. 110+61.80
STA. 132+01.30 TO STA. 141+83.20

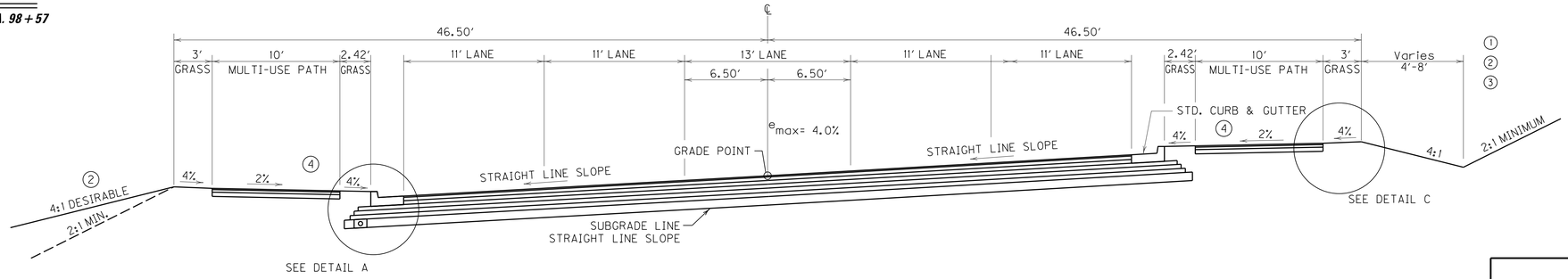
NOTES

1. SEE CROSS SECTIONS FOR ROCK SLOPES.
2. SEE CROSS SECTIONS FOR SLOPES OUTSIDE THE LIMITS OF THE SHOULDERS.
3. SEE CROSS SECTIONS FOR PRE-SPLIT SLOPES FROM RDZ TO GRADE USED FOR ROCK CUTS.
4. EXCAVATION SHALL BE CONSIDERED INCIDENTAL TO THE CONSTRUCTION OF THE MUP.



MEDIAN DETAIL

STA. 91+43 TO STA. 98+57



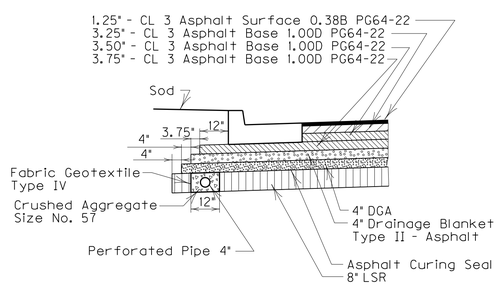


DETAIL C

5 – LANE URBAN SUPERELEVATION CUT/FILL SECTION

KY 536 – MT. ZION ROAD

STA. 49+05 TO STA. 64+82
STA. 67+87.60 TO STA. 77+66.60
STA. 89+90.50 TO STA. 99+92.24
STA. 99+92.24 TO STA. 107+55.70
STA. 121+67 TO STA. 132+01.30



DETAIL A

PAVEMENT SCHEDULE

ROADBED PREPARATION	
LSR (6% Lime by Weight)	8" Depth
Lime	Ton
Asphalt Curing Seal	2.0 Lb./Sq.Yd.
Sand for Blotter	5.0 Lb./Sq/Yd.
TRAFFIC LANES & SHOULDERS	
DGA	4" Depth
Drainage Blanket - Type II - Asphalt	4" Depth
CL 3 Asphalt Base 1.00D PG64-22	3.75" Depth
CL 3 Asphalt Base 1.00D PG64-22	3.50" Depth
CL 3 Asphalt Base 1.00D PG64-22	3.25" Depth
CL 3 Asphalt Surface 0.38B PG64-22	1.25" Depth
MULTI-USE PATH	
DGA	4" Depth
CL 3 Asphalt Surface 0.38B PG64-22	2" Depth

SCALE: 1"= 5'

KY 536 MAINLINE - 5 LANES
TYPICAL SECTIONS

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$files$specification$$$$
E-SHEET NAME:

$DATE$ $TIME$ $FILE$

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R2c

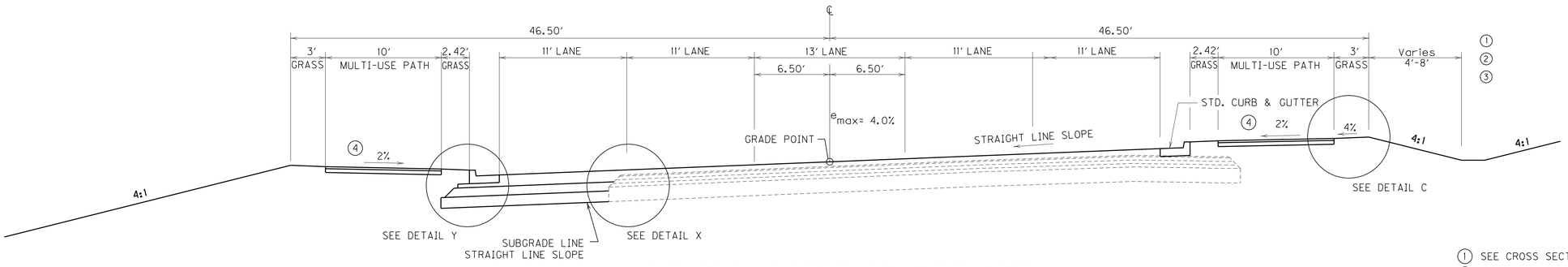
R/W REV. NUMBER 2 APRIL 22, 2013

RIGHT OF WAY PLANS

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

TYPICAL SECTIONS

SCALE: 1"=5'



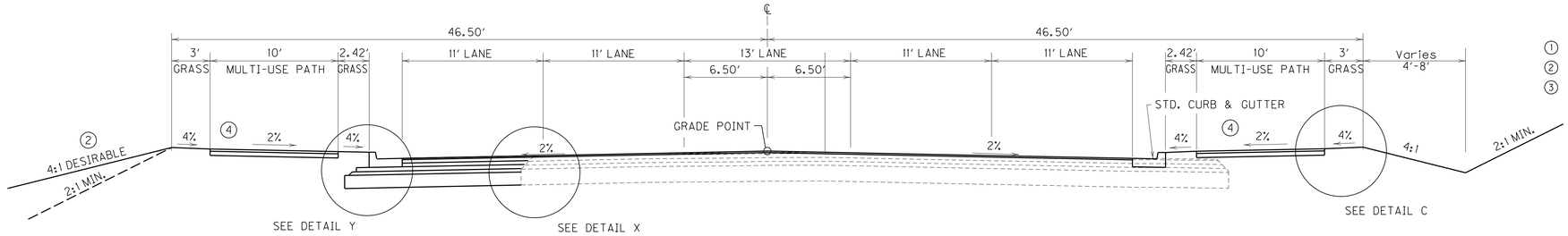
5 – LANE URBAN SUPERELEVATION CUT/FILL SECTION

KY 536 – MT. ZION ROAD

STA. 121+67 TO STA. 124+00
STA. 111+50 TO STA. 117+45.40

NOTES

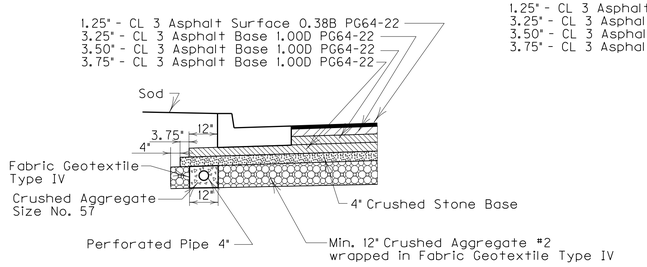
1. SEE CROSS SECTIONS FOR ROCK SLOPES.
2. SEE CROSS SECTIONS FOR SLOPES OUTSIDE THE LIMITS OF THE SHOULDERS.
3. SEE CROSS SECTIONS FOR PRE-SPLIT SLOPES FROM RDZ TO GRADE USED FOR ROCK CUTS.
4. EXCAVATION SHALL BE CONSIDERED INCIDENTAL TO THE CONSTRUCTION OF THE MUP.



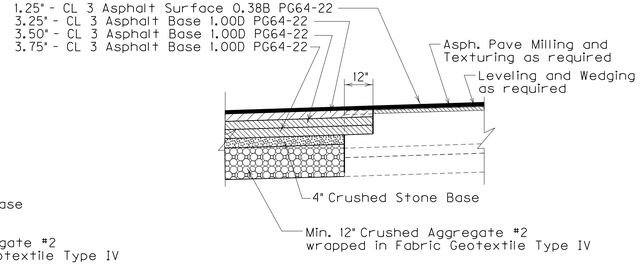
5 – LANE URBAN NORMAL CUT/FILL SECTION

KY 536 – MT. ZION ROAD

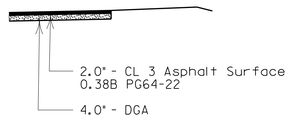
STA. 118+47.96 TO STA. 121+67.00
STA. 117+45.40 TO STA. 118+47.96 – EXISTING BRIDGE



DETAIL Y



DETAIL X



DETAIL C

SCALE: 1"= 5'

PAVEMENT SCHEDULE

ROADBED PREPARATION	
Cushed Aggregate No. 2	12" Depth Min.
BASE WIDENING	
Crushed Stone Base	4" Depth
CL 3 Asphalt Base 1.00D PG64-22	3.75" Depth
CL 3 Asphalt Base 1.00D PG64-22	3.50" Depth
CL 3 Asphalt Base 1.00D PG64-22	3.25" Depth
CL 3 Asphalt Surface 0.38B PG64-22	1.25" Depth
OVERLAY	
Asphalt Pave Milling and Texturing	1" Depth
Leveling and Wedging PG64-22	X" Ave. Depth
CL 3 Asphalt Surface 0.38B PG64-22	1.25" Depth
MULTI-USE PATH	
DGA	4" Depth
CL 3 Asphalt Surface 0.38B PG64-22	2" Depth

KY 536 MAINLINE - 5 LANES
TYPICAL SECTIONS

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$DATE$ $TIME$ $FILE$

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R2d

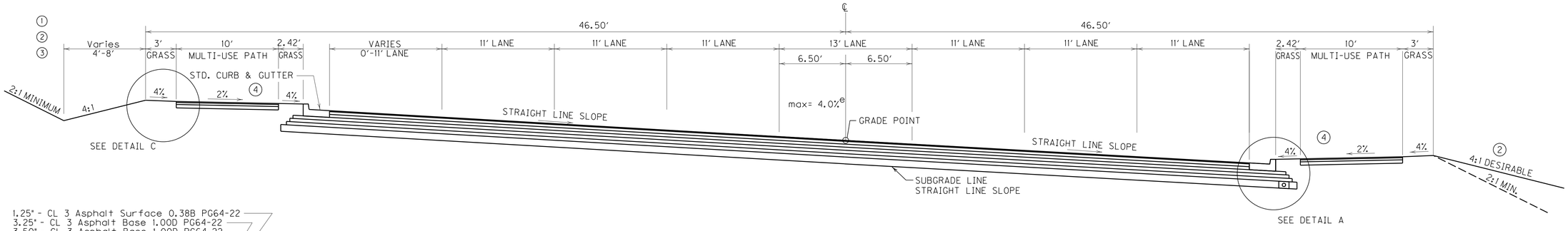
R/W REV. NUMBER 2 APRIL 22, 2013

RIGHT OF WAY PLANS

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

TYPICAL SECTIONS

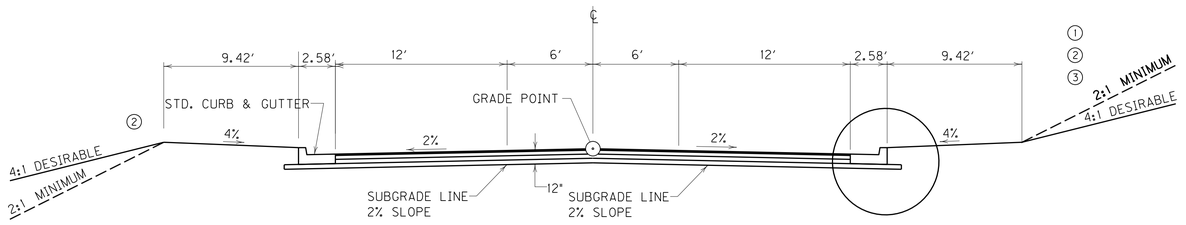
SCALE: 1"=5'



7 – LANE URBAN SUPERELEVATION CUT/FILL SECTION

KY 536 – MT. ZION ROAD

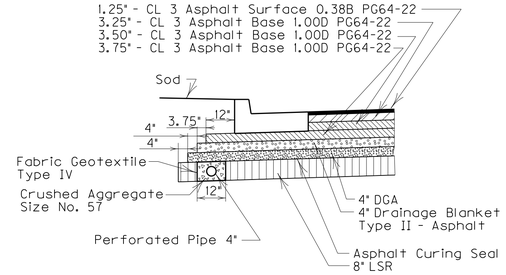
STA. 149+34 TO STA. 153+00



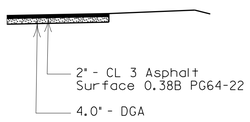
2 – LANE URBAN LOCAL NORMAL CUT/FILL SECTION

APPROACH ROAD

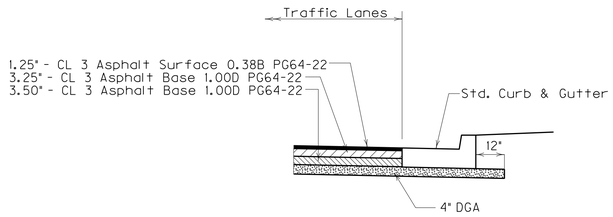
FLORENCE BAPTIST CHURCH APPROACH



DETAIL A



DETAIL C



DETAIL D

NOTES

1. SEE CROSS SECTIONS FOR ROCK SLOPES.
2. SEE CROSS SECTIONS FOR SLOPES OUTSIDE THE LIMITS OF THE SHOULDERS.
3. SEE CROSS SECTIONS FOR PRE-SPLIT SLOPES FROM RDZ TO GRADE USED FOR ROCK CUTS.
4. EXCAVATION SHALL BE CONSIDERED INCIDENTAL TO THE CONSTRUCTION OF THE MUP.

PAVEMENT SCHEDULE

ROADBED PREPARATION	
LSR (6% Lime by Weight)	8" Depth
Lime	Ton
Asphalt Curing Seal	2.0 Lb./Sq.Yd.
Sand for Blotter	5.0 Lb./Sq/Yd.
TRAFFIC LANES	
DGA	4" Depth
Drainage Blanket - Type II - Asphalt	4" Depth
CL 3 Asphalt Base 1.00D PG64-22	3.75" Depth
CL 3 Asphalt Base 1.00D PG64-22	3.50" Depth
CL 3 Asphalt Base 1.00D PG64-22	3.25" Depth
CL 3 Asphalt Surface 0.38B PG64-22	1.25" Depth
MULTI-USE PATH	
DGA	4" Depth
CL 3 Asphalt Base 1.00D PG64-22	2" Depth
FLORENCE BAPTIST CHURCH APPROACH	
TRAFFIC LANES	
DGA	4" Depth
CL 3 Asphalt Base 1.00D PG64-22	3.50" Depth
CL 3 Asphalt Base 1.00D PG64-22	3.25" Depth
CL 3 Asphalt Surface 0.38B PG64-22	1.25" Depth

SCALE: 1"= 5'

KY 536 MAINLINE - 7 LANES
& APPROACH ROAD
TYPICAL SECTIONS

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$DATE$ $TIME$ $FILE$

NOTES

1. SEE CROSS SECTIONS FOR ROCK SLOPES.
2. SEE CROSS SECTIONS FOR SLOPES OUTSIDE THE LIMITS OF THE SHOULDERS.
3. SEE CROSS SECTIONS FOR PRE-SPLIT SLOPES FROM RDZ TO GRADE USED FOR ROCK CUTS.

TYPICAL SECTIONS

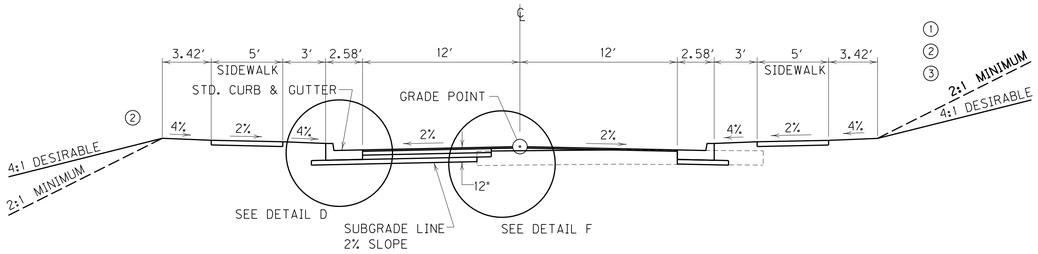
SCALE: 1"=5'

RIGHT OF WAY PLANS

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R2e

R/W REV. NUMBER 2 APRIL 22, 2013
R/W REV. NUMBER 5 NOVEMBER 13, 2013

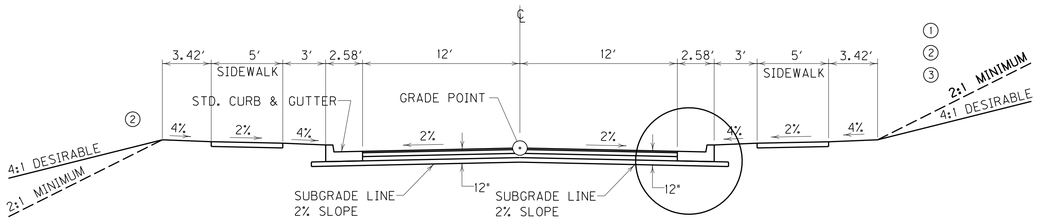
PREPARED BY DATE
CHECKED BY DATE
APPROVED BY DATE



2 – LANE URBAN LOCAL NORMAL CUT/FILL SECTION

APPROACH ROADS

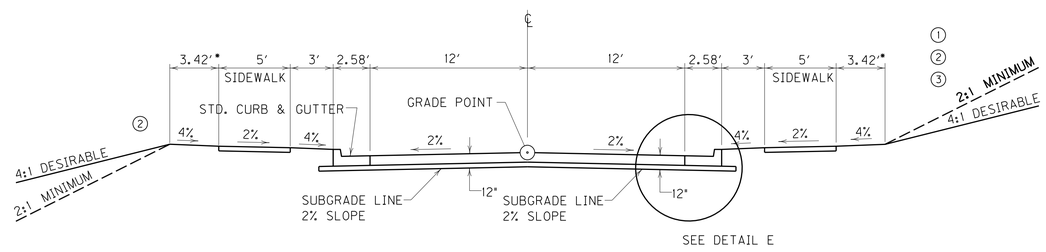
GOLDEN POND DRIVE



2 – LANE URBAN LOCAL NORMAL CUT/FILL SECTION

APPROACH ROADS

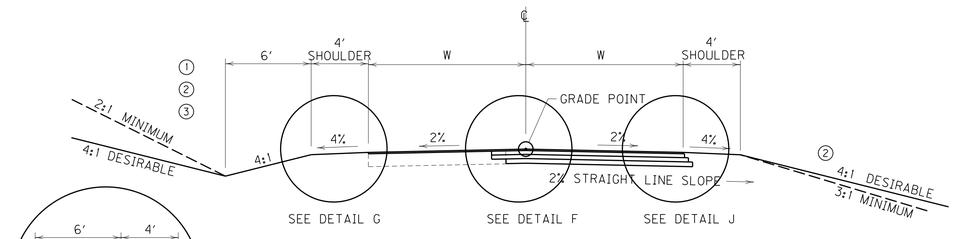
HAVEN HILL DRIVE



2 – LANE URBAN LOCAL NORMAL CUT/FILL SECTION

APPROACH ROADS

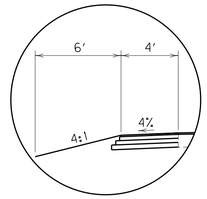
UNION BLUFF
CARSPEN LANE
BLACKSMITH PLACE (* 0.42')



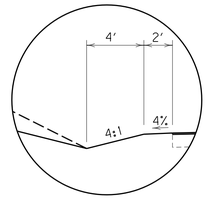
2 – LANE RURAL LOCAL NORMAL CUT/FILL SECTION

APPROACH ROADS

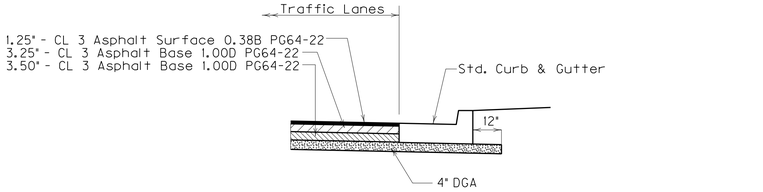
CHURCHILL DRIVE (W=12') SEE DETAIL G.
HIGHLAND DRIVE (W=12')
MT. ZION RD. NO. 1 CUL DE SAC (W=10' TO 30')
FOR THE PAVED SHOULDERS, SEE DETAIL AA.
STA. 50+75 TO STA. 52+19.57



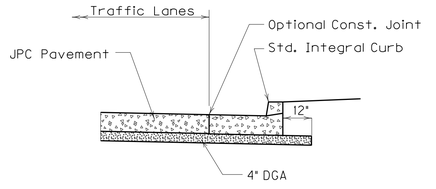
DETAIL AA



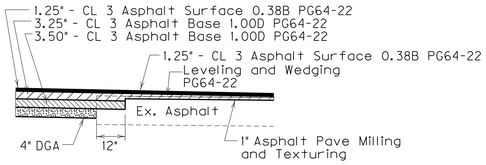
DETAIL G



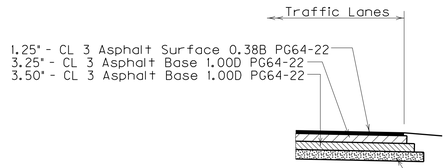
DETAIL D



DETAIL E



DETAIL F



DETAIL J

SCALE: 1"= 5'

PAVEMENT SCHEDULE

GOLDEN POND DRIVE	
BASE WIDENING	
DGA	4" Depth
CL 3 Asphalt Base 1.00D PG64-22	3.5" Depth
CL 3 Asphalt Base 1.00D PG64-22	3.25" Depth
CL 3 Asphalt Surface 0.38B PG64-22	1.25" Depth
OVERLAY	
	1" Depth
Asphalt Pavement Milling and Texturing	X" Ave. Depth
Leveling and Wedging PG64-22	1.25" Depth
CL 3 Asphalt Surface 0.38B PG64-22	
HAVEN HILL DRIVE	
TRAFFIC LANES	
DGA	4" Depth
CL 3 Asphalt Base 1.00D PG64-22	3.5" Depth
CL 3 Asphalt Base 1.00D PG646-22	3.25" Depth
CL 3 Asphalt Surface 0.38B PG64-22	1.25" Depth
UNION BLUFFS DRIVE, CARSPEN LANE & BLACKSMITH PLACE	
TRAFFIC LANES	
DGA	4" Depth
JPC Pavement - 8 Inch	8" Depth
CHURCHILL DRIVE , HIGHLAND DRIVE & MT. ZION RD. NO. 1	
BASE WIDENING	
DGA	4" Depth
CL 3 Asphalt Base 1.00D PG64-22	3.5" Depth
CL 3 Asphalt Base 1.00D PG64-22	3.25" Depth
CL 3 Asphalt Surface 0.38B PG64-22	1.25" Depth
OVERLAY	
Asphalt Pave Milling and Texturing	1" Depth
Leveling and Wedging PG64-22	X" Ave. Depth
CL 3 Asphalt Surface 0.38B PG64-22	1.25" Depth

APPROACH ROADS
TYPICAL SECTIONS

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$DATE$ $TIME$ $FILE$

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R2f

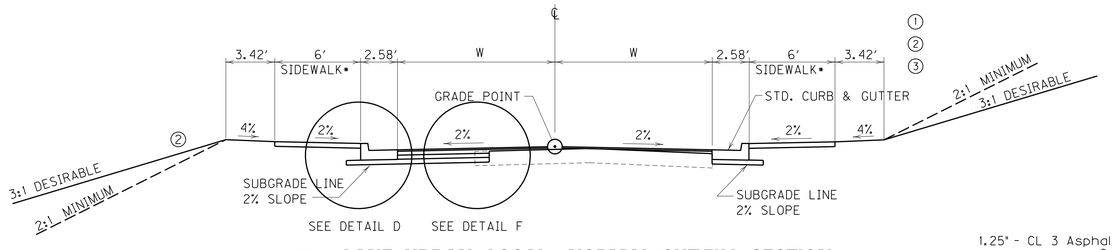
R/W REV. NUMBER 1 JANUARY 25, 2013
R/W REV. NUMBER 2 APRIL 22, 2013
R/W REV. NUMBER 5 NOVEMBER 13, 2013

RIGHT OF WAY PLANS

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

TYPICAL SECTIONS

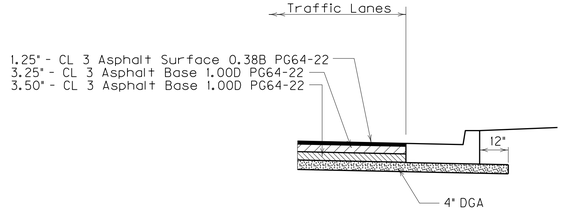
SCALE: 1"=5'



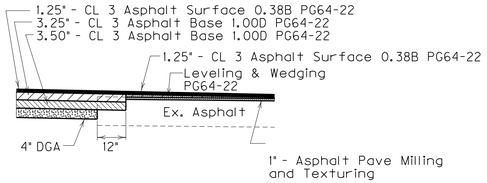
2 – LANE URBAN LOCAL NORMAL CUT/FILL SECTION

APPROACH ROADS

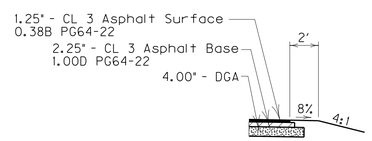
PEMBROKE DRIVE (W=Varies 11.5' – 24') *SEE PLAN FOR SIDEWALK LOCATIONS.
DUNCAN DRIVE (W=12')
TIBURON DRIVE (W=12' – 24') *SEE PLAN FOR SIDEWALK LOCATIONS.
MT. ZION NO. 1 (W=12' LT.; 10' RT.) *SEE PLAN FOR SIDEWALK LOCATIONS.
STA. 38+65.59 TO STA. 41+68.76



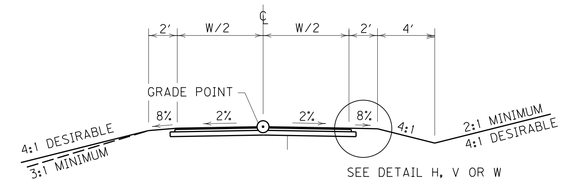
DETAIL D



DETAIL F

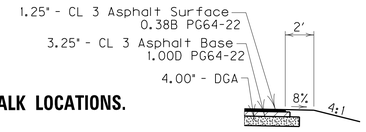


DETAIL H

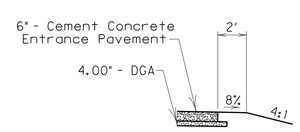


W - Varies - See Plans.

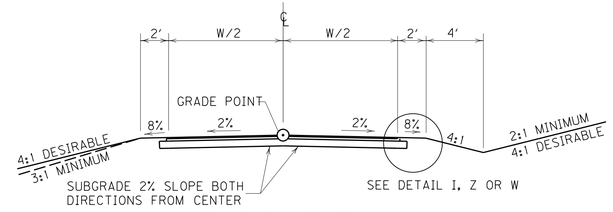
RESIDENTIAL AND FARM FIELD ENTRANCE SECTION



DETAIL I

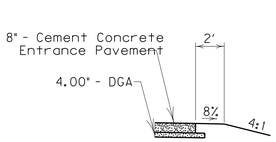


DETAIL V

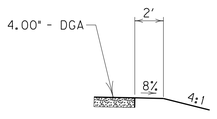


W - Varies - See Plans.

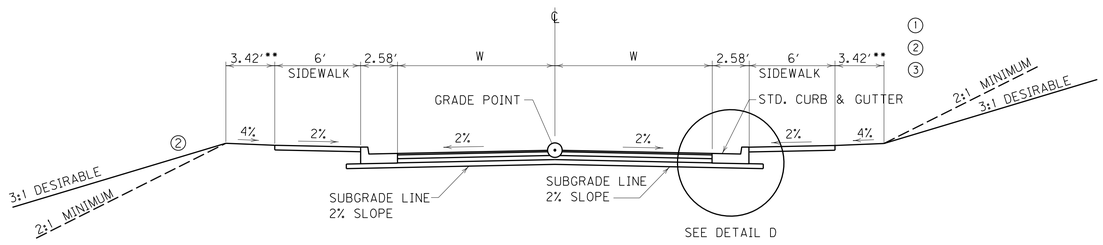
COMMERCIAL ENTRANCE SECTION



DETAIL Z



DETAIL W
TEMPORARY ENTRANCE DETAIL



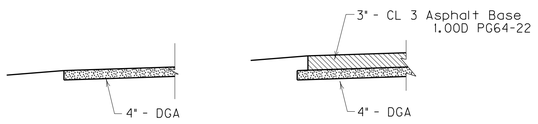
2 – LANE URBAN LOCAL NORMAL CUT/FILL SECTION

APPROACH ROADS

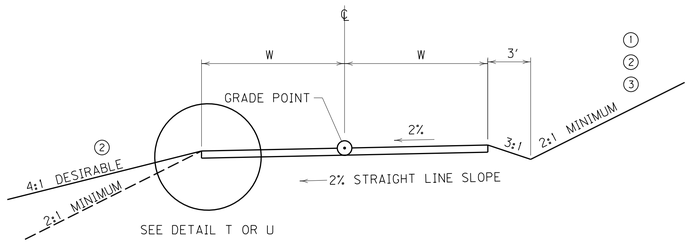
SYCAMORE DRIVE NO. 1 & NO. 2 (W=8') (1.42')**
INDIAN HILL DRIVE (W=12')
RUSSWILL LANE (W=12')
NORTH TIBURON DRIVE (W=12'–24')

NOTES

1. SEE CROSS SECTIONS FOR ROCK SLOPES.
2. SEE CROSS SECTIONS FOR SLOPES OUTSIDE THE LIMITS OF THE SHOULDERS.
3. SEE CROSS SECTIONS FOR PRE-SPLIT SLOPES FROM RDZ TO GRADE USED FOR ROCK CUTS.



DETAIL T **DETAIL U**



2 – LANE RURAL LOCAL SUPERELEVATION CUT/FILL SECTION

TEMPORARY FRONTAGE ROADS

FRONTAGE ROAD NOS. 1–12, & 14 W=12' SEE DETAIL T.
FRONTAGE ROAD NOS. 13 & 15 W=16' SEE DETAIL U.

SCALE: 1"= 5'

PAVEMENT SCHEDULE

PEMBROKE, DUNCAN, TIBURON DRIVE & MT. ZION RD. NO. 1

BASE WIDENING	
DGA	4" Depth
CL 3 Asphalt Base 1.00D PG64-22	3.5" Depth
CL 3 Asphalt Base 1.00D PG64-22	3.25" Depth
CL 3 Asphalt Surface 0.38B PG64-22	1.25" Depth

OVERLAY	
	1" Depth
Asphalt Pave Milling and Texturing	X" Ave. Depth
Leveling and Wedging PG64-22	1.25" Depth
CL 3 Asphalt Surface 0.38B PG64-22	

NORTH TIBURON DRIVE

TRAFFIC LANES	
DGA	4" Depth
CL 3 Asphalt Base 1.00D PG64-22	3.5" Depth
CL 3 Asphalt Base 1.00D PG64-22	3.25" Depth
CL 3 Asphalt Surface 0.38B PG64-22	1.25" Depth

SYCAMORE DRIVE NO. 1 & 2, INDIAN HILL DRIVE, RUSSWILL LANE & N. TIBURON DR.

TRAFFIC LANES	
DGA	4" Depth
CL 3 Asphalt Base 1.00D PG64-22	3.5" Depth
CL 3 Asphalt Base 1.00D PG64-22	3.25" Depth
CL 3 Asphalt Surface 0.38B PG64-22	1.25" Depth

FRONTAGE ROADS

TRAFFIC LANES	
DGA	4" Depth
OR	
DGA	4" Depth
CL 3 Asphalt Base 1.00D PG64-22	3" Depth

APPROACH ROADS
TYPICAL SECTIONS

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$DATE$ $TIME$ $FILE$

TYPICAL SECTIONS

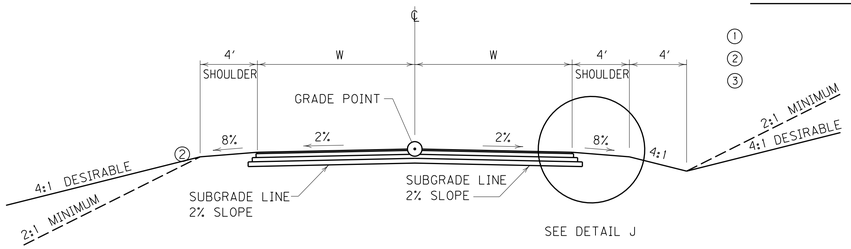
SCALE: 1"=5'

RIGHT OF WAY PLANS

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R2g

R/W REV. NUMBER 1 JANUARY 25, 2013
R/W REV. NUMBER 2 APRIL 22, 2013
R/W REV. NUMBER 5 NOVEMBER 13, 2013
R/W REV. NUMBER 8 JANIARY 26, 2015

PREPARED BY DATE
CHECKED BY DATE
APPROVED BY DATE



2 – LANE RURAL LOCAL NORMAL CUT/FILL SECTION

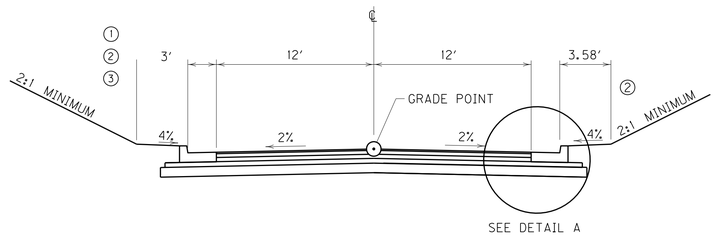
APPROACH ROADS

MT. ZION RD. NO. 2 (W=10')
& CUL DE SAC (Use Detail J Paving for Cul-de-sac Shoulder)

STA. 52+25 TO STA. 56+25

APPR. RD 393+10.64 OFF US 42 (W=12')

STA. 48+50 TO STA. 51+50

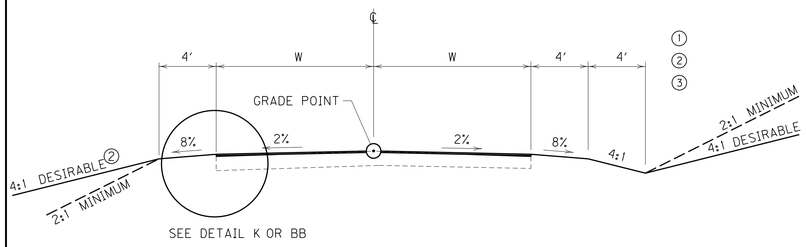


2 – LANE RURAL LOCAL NORMAL CUT/FILL SECTION

APPROACH ROAD

APPR. RD 101+50, LT.

STA. 49+00.00 TO STA. 50+00.00



2 – LANE RURAL LOCAL NORMAL CUT/FILL SECTION

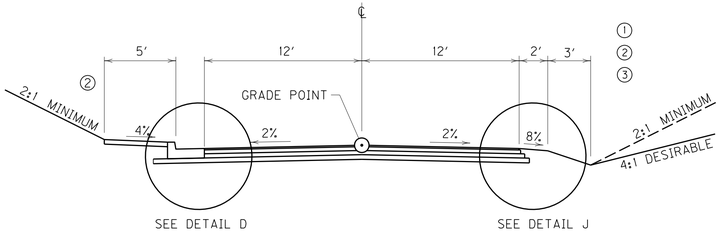
APPROACH ROADS

MT. ZION RD. NO. 1 (W=10')

STA. 25+85.38 TO STA. 38+73.30
STA. 38+73.30 TO STA. 38+40.01 & STA. 40+14.31 TO STA. 41+68.75 SEE DETAIL BB
STA 41+68.76 TO STA. 50+75

MT. ZION RD. NO. 2 (W=10')

STA. 50+00 TO STA. 52+25 & STA. 56+25 TO STA. 59+25

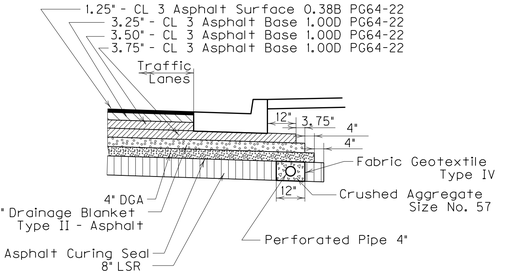


2 – LANE RURAL LOCAL NORMAL CUT/FILL SECTION

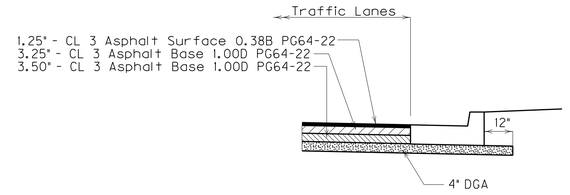
APPROACH ROAD

APPR. RD 52+20, RT.

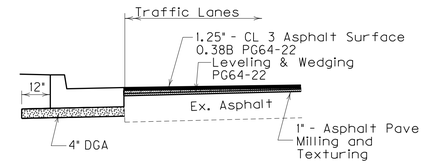
STA. 50+00.00 TO STA. 54+16.63



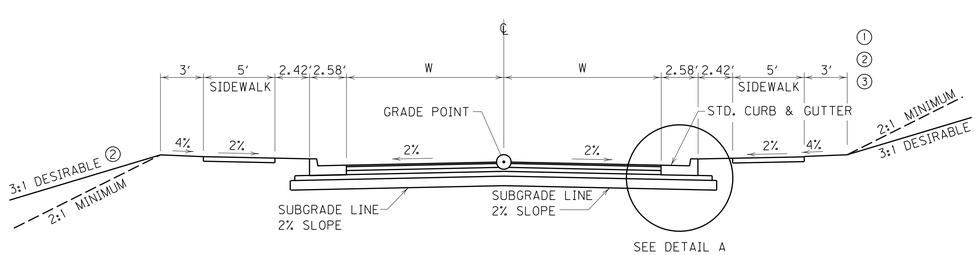
DETAIL A



DETAIL D



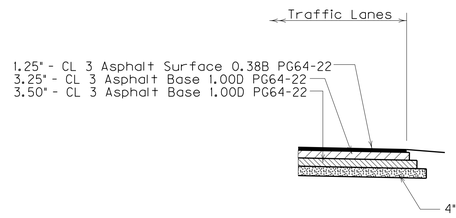
DETAIL BB



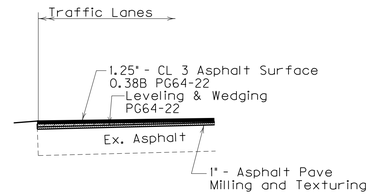
2 – LANE URBAN LOCAL NORMAL CUT/FILL SECTION

APPROACH ROADS

OLD UNION RD. (W=12')



DETAIL J



DETAIL K

NOTES

1. SEE CROSS SECTIONS FOR ROCK SLOPES.
2. SEE CROSS SECTIONS FOR SLOPES OUTSIDE THE LIMITS OF THE SHOULDERS.
3. SEE CROSS SECTIONS FOR PRE-SPLIT SLOPES FROM RDZ TO GRADE USED FOR ROCK CUTS.

SCALE: 1"= 5'

PAVEMENT SCHEDULE

OLD UNION ROAD & APPR. RD. 101+50

ROADBED PREPARATION

LSR (6% Lime by Weight)	8" Depth
Lime	Ton
Asphalt Curing Seal	2.0 Lb./Sq.Yd.
Sand for Blotter	5.0 Lb./Sq/Yd.

TRAFFIC LANES

DGA	4" Depth
Drainage Blanket - Type II - Asphalt	4" Depth
CL 3 Asphalt Base 1.00D PG64-22	3.75" Depth
CL 3 Asphalt Base 1.00D PG64-22	3.5" Depth
CL 3 Asphalt Base 1.00D PG64-22	3.25" Depth
CL 3 Asphalt Surface 0.38B PG64-22	1.25" Depth

MT. ZION RD. NO. 1, NO. 2 & APPR. RD. 52+20 RT,

TRAFFIC LANES

DGA	4" Depth
CL 3 Asphalt Base 1.00D PG64-22	3.5" Depth
CL 3 Asphalt Base 1.00D PG64-22	3.25" Depth
CL 3 Asphalt Surface 0.38B PG64-22	1.25" Depth

OVERLAY

Asphalt Pave Milling and Texturing	1" Depth
Leveling and Wedging PG64-22	X" Ave. Depth
CL 3 Asphalt Surface 0.38B PG64-22	1.25" Depth

APPROACH ROADS
TYPICAL SECTIONS

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

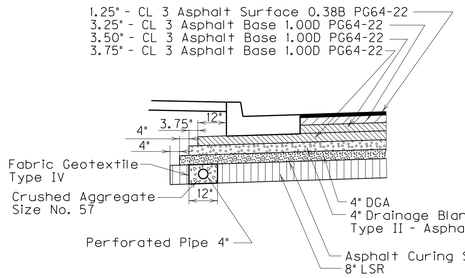
$DATE$ $TIME$ $FILE$

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R2h

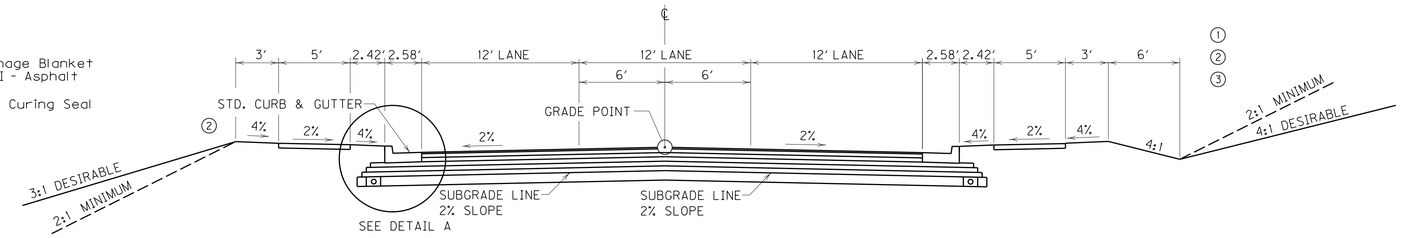
R/W REV. NUMBER 2 APRIL 22, 2013

TYPICAL SECTIONS

SCALE: 1"=5'



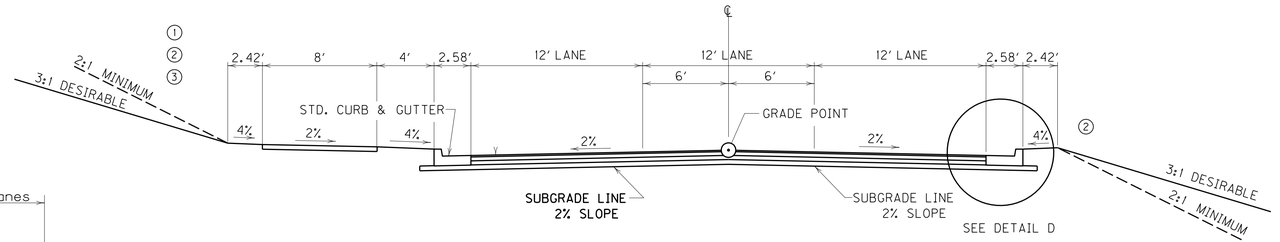
DETAIL A

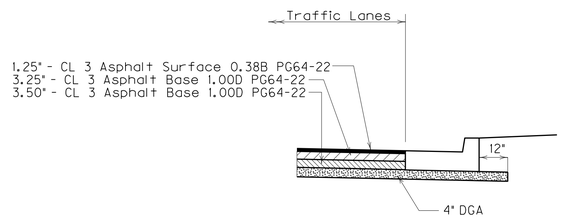


2 – LANE URBAN LOCAL NORMAL CUT/FILL SECTION

APPROACH ROAD

HARMONY



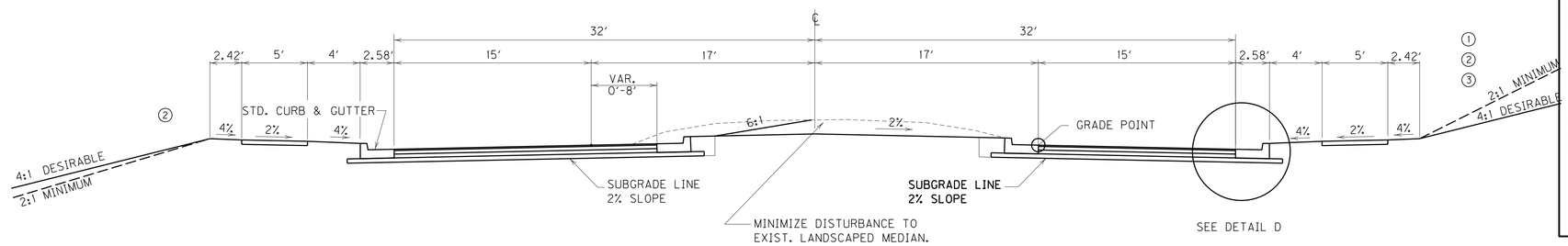


DETAIL D

2 – LANE URBAN LOCAL NORMAL CUT/FILL SECTION

APPROACH ROAD

WETHERINGTON BOULEVARD



2 – LANE URBAN LOCAL NORMAL CUT/FILL SECTION

APPROACH ROAD

HEMPSTEADE DRIVE

NOTES

1. SEE CROSS SECTIONS FOR ROCK SLOPES.
2. SEE CROSS SECTIONS FOR SLOPES OUTSIDE THE LIMITS OF THE SHOULDERS.
3. SEE CROSS SECTIONS FOR PRE-SPLIT SLOPES FROM RDZ TO GRADE USED FOR ROCK CUTS.

RIGHT OF WAY PLANS

NOTES

1. SEE CROSS SECTIONS FOR ROCK SLOPES.
2. SEE CROSS SECTIONS FOR SLOPES OUTSIDE THE LIMITS OF THE SHOULDERS.
3. SEE CROSS SECTIONS FOR PRE-SPLIT SLOPES FROM RDZ TO GRADE USED FOR ROCK CUTS.
4. BITUMINOUS SEAL REQUIRED FROM OUTSIDE EDGE OF PAVED SHOULDER TO A POINT 2 FEET DOWN THE DITCH OR FILL SLOPE.

PAVEMENT SCHEDULE

HARMONY

ROADBED PREPARATION

LSR (6% Lime by Weight)	8" Depth
Lime	Ton
Asphalt Curing Seal	2.0 Lb./Sq.Yd.
Sand for Blotter	5.0 Lb./Sq/Yd.

TRAFFIC LANES

DGA	4" Depth
Drainage Blanket - Type II - Asphalt	4" Depth
CL 3 Asphalt Base 1.00D PG64-22	3.75" Depth
CL 3 Asphalt Base 1.00D PG64-22	3.5" Depth
CL 3 Asphalt Base 1.00D PG64-22	3.25" Depth
CL 3 Asphalt Surface 0.38B PG64-22	1.25" Depth

WETHERINGTON BOULEVARD

TRAFFIC LANES

DGA	4" Depth
CL 3 Asphalt Base 1.00D PG64-22	3.5" Depth
CL 3 Asphalt Base 1.00D PG64-22	3.25" Depth
CL 3 Asphalt Surface 0.38B PG64-22	1.25" Depth

HEMPSTEADE DRIVE

TRAFFIC LANES

DGA	4" Depth
CL 3 Asphalt Base 1.00D PG64-22	3.5" Depth
CL 3 Asphalt Base 1.00D PG64-22	3.25" Depth
CL 3 Asphalt Surface 0.38B PG64-22	1.25" Depth

SCALE: 1"= 5'

APPROACH ROADS
TYPICAL SECTIONS

PREPARED BY DATE
CHECKED BY DATE
APPROVED BY DATE

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$DATE$ $TIME$ $FILE$

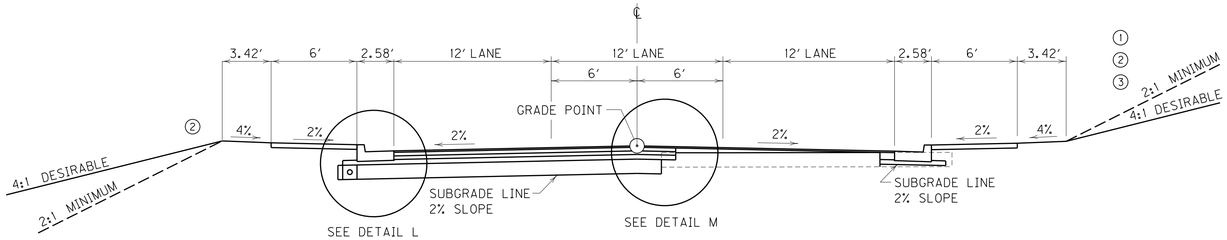
COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R21

R/W REV. NUMBER 2 APRIL 22, 2013

RIGHT OF WAY PLANS

TYPICAL SECTIONS

SCALE: 1"=5'

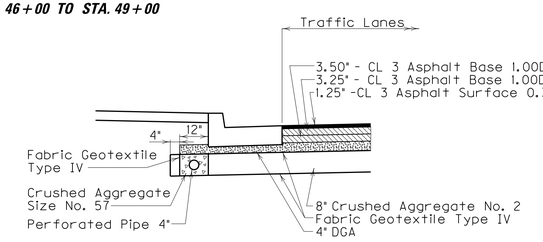


3 – LANE URBAN LOCAL NORMAL CUT/FILL SECTION

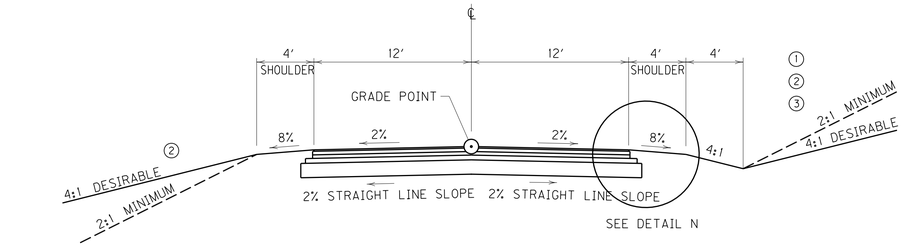
APPROACH ROAD

KY 237 (GUNPOWDER RD.–NORTH)

STA. 46+00 TO STA. 49+00



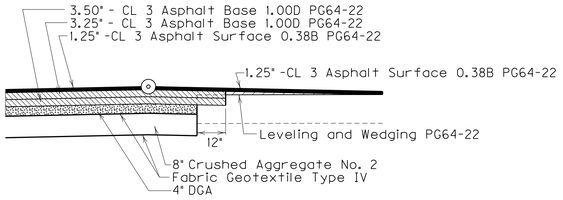
DETAIL L



2 – LANE RURAL LOCAL NORMAL CUT/FILL SECTION

APPROACH ROAD

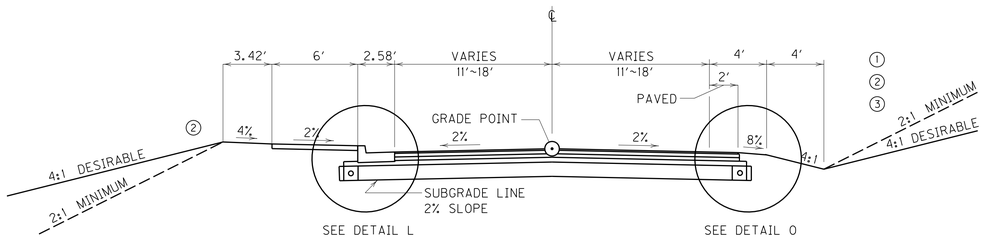
KY 237 (GUNPOWDER RD.–SOUTH)



DETAIL M

NOTES

1. SEE CROSS SECTIONS FOR ROCK SLOPES.
2. SEE CROSS SECTIONS FOR SLOPES OUTSIDE THE LIMITS OF THE SHOULDERS.
3. SEE CROSS SECTIONS FOR PRE-SPLIT SLOPES FROM RDZ TO GRADE USED FOR ROCK CUTS.

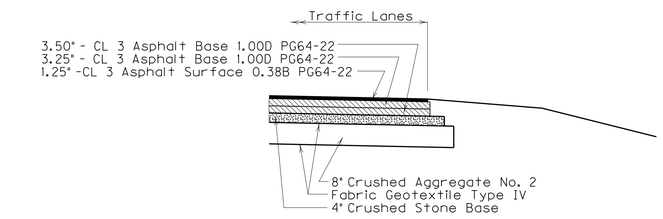


2 – LANE RURAL LOCAL NORMAL CUT/FILL SECTION

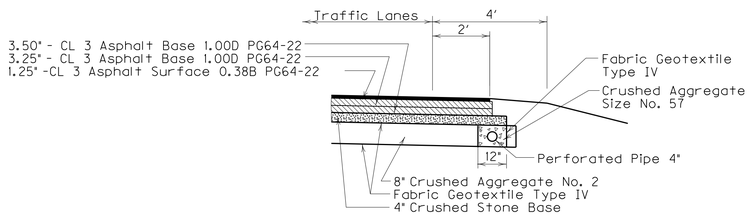
APPROACH ROAD

KY 237 (GUNPOWDER RD.–NORTH)

STA. 41+20.00 TO STA. 46+00



DETAIL N



DETAIL O

NOTES

1. SEE CROSS SECTIONS FOR ROCK SLOPES.
2. SEE CROSS SECTIONS FOR SLOPES OUTSIDE THE LIMITS OF THE SHOULDERS.
3. SEE CROSS SECTIONS FOR PRE-SPLIT SLOPES FROM RDZ TO GRADE USED FOR ROCK CUTS.

PAVEMENT SCHEDULE

GUNPOWDER ROAD

TRAFFIC LANES

Crushed Aggregate No. 2	8" Depth
Fabric Geotextile Type IV	
DGA	4" Depth
CL 3 Asphalt Base 1.00D PG64-22	3.50" Depth
CL 3 Asphalt Base 1.00D PG64-22	3.25" Depth
CL 3 Asphalt Surface 0.38B PG64-22	1.25" Depth

LEVELING AND WEDGING

CL 4 Asphalt Surface 0.50A PG64-22	????" Depth
CL 3 Asphalt Surface 0.38B PG64-22	1.25" Depth

SCALE: 1"= 5'

APPROACH ROADS
TYPICAL SECTIONS

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$DATE$ $TIME$ $FILE$

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R2J

R/W REV. NUMBER 2 APRIL 22, 2013

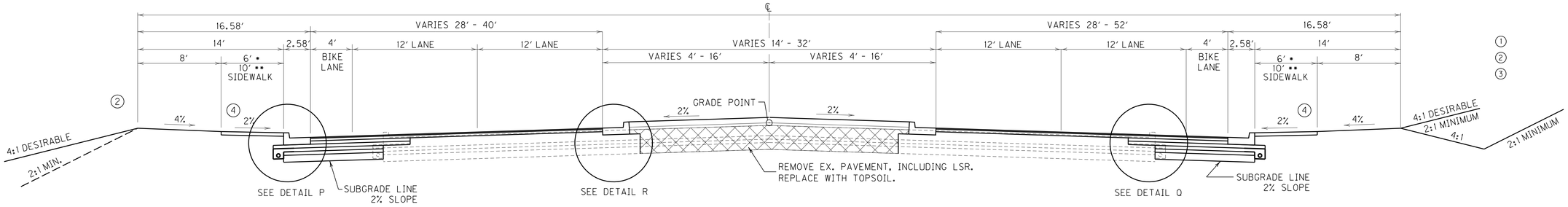
RIGHT OF WAY PLANS

TYPICAL SECTIONS

SCALE: 1"=5'

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

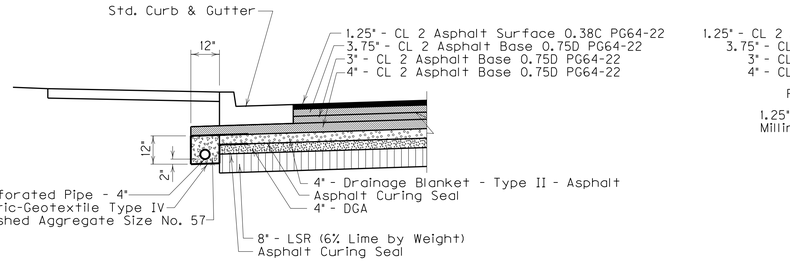
• 6' - STA. 391+65.00 TO STA. 392+82.00
STA. 407+25.00 TO STA. 410+87.00
•• 10' - STA. 392+82.00 TO STA. 407+25.00



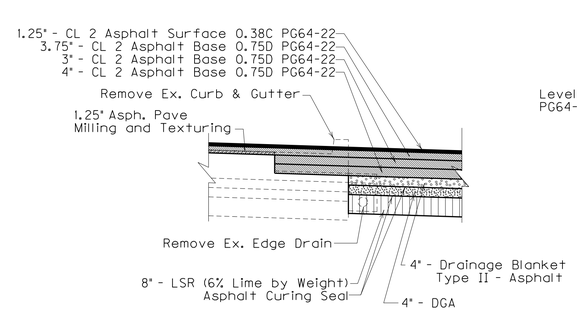
LANE WIDENING – URBAN NORMAL CUT/FILL SECTION

U. S. 42

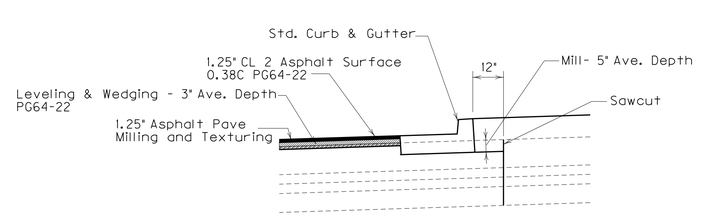
STA. 391+65.00 TO STA. 410+87.00



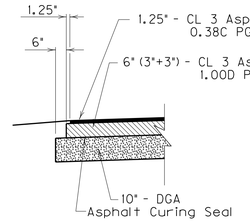
DETAIL P



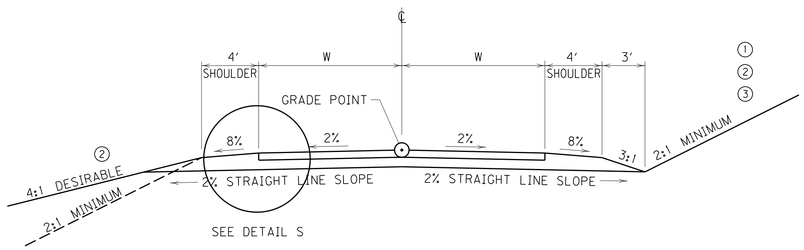
DETAIL Q



DETAIL R



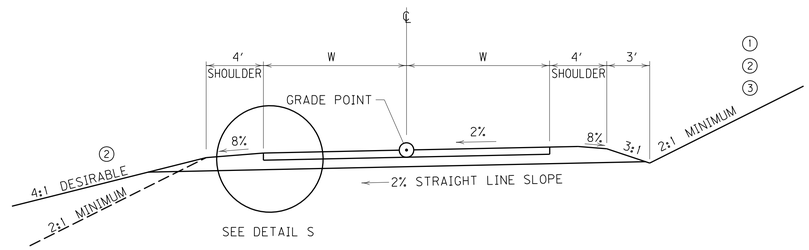
DETAIL S



2 – LANE RURAL LOCAL NORMAL CUT/FILL SECTION

DIVERSIONS

DIVERSION NO. 1 W=11'
DIVERSION NOS. 2–6 W=10'



2 – LANE RURAL LOCAL SUPERELEVATION CUT/FILL SECTION

DIVERSIONS

DIVERSION NO. 1 W=11'
DIVERSION NOS. 2–6 W=10'

NOTES

1. SEE CROSS SECTIONS FOR ROCK SLOPES.
2. SEE CROSS SECTIONS FOR SLOPES OUTSIDE THE LIMITS OF THE SHOULDERS.
3. SEE CROSS SECTIONS FOR PRE-SPLIT SLOPES FROM RDZ TO GRADE USED FOR ROCK CUTS.
4. THE SIDEWALK ON U.S.42 SHALL BE SLOPED IN THE OPPOSITE DIRECTION TO AVOID A SLIVER FILL.

PAVEMENT SCHEDULE

U.S. 42

ROADBED PREPARATION

LSR (6% Lime by Weight)	8" Depth
Asphalt Curing Seal	2.4 Lb./Sq.Yd.
Sand for Blotter	5.0 Lb./Sq.Yd.

BASE WIDENING

DGA	4" Depth
Asphalt Curing Seal	2.0 Lb./Sq.Yd.
Drainage Blanket - Type II - Asphalt	4" Depth
CL 2 Asphalt Base 19.0D PG64-22	4" Depth
CL 2 Asphalt Base 19.0D PG64-22	3" Depth
CL 2 Asphalt Base 19.0D PG64-22	3.75" Depth
CL 2 Asphalt Surface 9.5C PG64-22	1.25" Depth

OVERLAY

Asphalt Pave Milling and Texturing	1.25" Depth
Leveling and Wedging PG64-22	3" Ave. Depth
CL 2 Asphalt Surface 9.5C PG64-22	1.25" Depth

DIVERSIONS

DGA	10" Depth
Asphalt Curing Seal	2.0 Lb./Sq.Yd.
CL 3 Asphalt Base 1.00D PG64-22	6" (3"+3") Depth
CL 3 Asphalt Surface 0.38B PG64-22	1.25" Depth

SCALE: 1"= 5'

APPROACH ROADS & DIVERSIONS
TYPICAL SECTIONS

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$DATE$ $TIME$ $FILE$

PREPARED BY DATE
CHECKED BY DATE
APPROVED BY DATE

TYPICAL SECTIONS

SCALE: 1"=5'

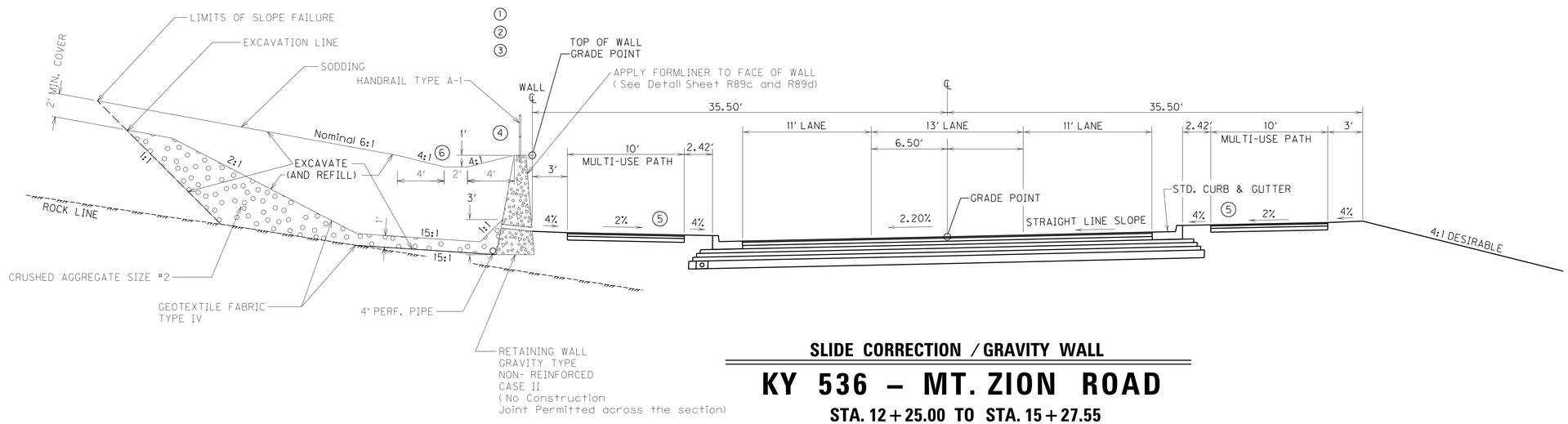
RIGHT OF WAY PLANS

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R211

R/W REV. NUMBER 11 MAY 30, 2018

NOTES

1. SEE CROSS SECTIONS FOR ROCK SLOPES.
2. SEE CROSS SECTIONS FOR SLOPES OUTSIDE THE LIMITS OF THE SHOULDERS.
3. EXCAVATION SHALL BE CONSIDERED INCIDENTAL TO THE CONSTRUCTION OF THE MUP.
4. SEE WALL PROFILE FOR TOP OF WALL ELEVATION
5. SEE CROSS SECTIONS FOR PRE-SPLIT SLOPES FROM RDZ TO GRADE USED FOR ROCK CUTS.
6. SOD DITCH AND FRONT YARD AREA. SOD MAY REQUIRE STAKING UNTIL IT IS ESTABLISHED.



SLIDE CORRECTION / GRAVITY WALL

KY 536 – MT. ZION ROAD

STA. 12+25.00 TO STA. 15+27.55

CONSTRUCTION REVISION #2
SLIDE REPAIR NOTES

AFTER COMPLETION OF PHASE 2A, AND IMMEDIATELY AFTER SHIFTING TRAFFIC TO ITS PHASE 2B
- EXCAVATION SLIDE IN SEGMENTS SMALL ENOUGH IN LENGTH THAT THE GEOTEXTILE FABRIC AND STONE WILL BE REPLACED THAT SAME DAY.
- EXCAVATE ALL SLIDING MATERIAL FROM THE FAULTLINE AT 1:1 SLOPE DOWN TO ROCK (BEDDED MATERIAL) OR TO BOTTOM OF THE SLIDE PLANE AT 15:1 IF ROCK IS NOT ENCOUNTERED.
- GRADE ALONG ROCK LINE OR 15:1 FROM THE BOTTOM OF THE 1:1 SLIDE AREA TO THE BOTTOM OF THE WALL TO ALLOW POSITIVE DRAINAGE.
- PLACE GEOTEXTILE FABRIC TYPE 4 AND REPLACE SLIDE MATERIAL WITH #2 STONE TO A 2:1 SLOPE
- RELOCATE FIRE HYDRANT TO THE SPACE BETWEEN THE WALL AND THE MULTI-USE PATH.
- CONSTRUCT GRAVITY WALL.
- PLACE REMAINING #2 STONE DRAINAGE BLANKET (WITH PERF. PIPE) EXTENDING TO THE WALL AND COVERING THE WEEPHOLES AND COVER WITH GEOTEXTILE FABRIC TYPE 4.
- BACKFILL ACCORDING THE STANDARD SPECIFICATIONS FOR MOISTURE CONTENT AND DENSITY TO APPROXIMATELY A 6:1 SLOPE
- WORK AROUND AND DO NOT DISTURB EXISTING OBSTACLES SUCH AS GAS AND WATER SERVICES, METERS, VALVES AND UTILITY POLES.
- ALLOW FOR TWO FEET MINIMUM OF FILL MATERIAL OVER THE TOP OF THE GEOTEXTILE FABRIC FOR RE-ESTABLISHEMENT OF VEGETATION.

PAVEMENT SCHEDULE

ROADBED PREPARATION	
LSR (6% Lime by Weight)	8" Depth
Lime	Ton
Asphalt Curing Seal	2.0 Lb./Sq.Yd.
Sand for Blotter	5.0 Lb./Sq.Yd.
TRAFFIC LANES & SHOULDERS	
DGA	4" Depth
Drainage Blanket - Type II - Asphalt	4" Depth
CL 3 Asphalt Base 1.00D PG64-22	3.75" Depth
CL 3 Asphalt Base 1.00D PG64-22	3.50" Depth
CL 3 Asphalt Base 1.00D PG64-22	3.25" Depth
CL 3 Asphalt Surface 0.38B PG64-22	1.25" Depth
MULTI-USE PATH	
DGA	4" Depth
CL 3 Asphalt Base 1.00D PG64-22	3.00" Depth
CL 3 Asphalt Surface 0.38B PG64-22	1.25" Depth

SCALE: 1"= 5'

SLIDE CORRECTION
KY 536 MAINLINE
TYPICAL SECTION

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME: R0021ITS

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R21

R/W REV. NUMBER 11 MAY 30, 2018

GENERAL SUMMARY

ITEM	DESCRIPTION	UNIT	MAINLINE	US 42	GUNPOWDER RD.	APPROACH RDS.	DIVERSIONS	TEMPOARY FRONTAGE RDS.		CONSTRUCTION REVISION #2							TOTAL
00440	ENTRANCE PIPE-15 IN	LIN. FT.		56													56
00441	ENTRANCE PIPE-18 IN	LIN. FT.		56													56
01000	PERF. PIPE - 4"	LIN. FT.	4767														4767
01005	PERFORATED PIPE EDGE DRAIN - 4"	LIN. FT.	20983	3003	1018	1752											26756
01010	NON PERF. PIPE - 4"	LIN. FT.	595			60											655
01015	INSPECT AND CERTIFY EDGE DRAIN SYSTEM	LUMP SUM	1														1
01028	PERF. PIPE HDWL. TYPE 3 - 4 IN	EACH	12			2											14
01314	PLUG PIPE	EACH	1	2		2											5
01585	REMOVE DROP BOX INLET	EACH	8			2											10
01705	REMOVE CURB AND GUTTER BOX INLET	EACH		4													4
01810	STD. CURB & GUTTER	LIN. FT.	28432	6805	1325	10668											47230
01825	ISLAND CURB & GUTTER	LIN. FT.	760														760
01830	STD. INTEGRAL CURB	LIN. FT.	565														565
01875	STD. HEADER CURB	LIN. FT.	249														249
01923	STD. BARRIER MEDIAN TYPE 5	SQ. YD.	190			52											242
01987	DELINEATOR FOR GUARDRAIL B/W	EACH	9			2											11
02003	RELOCATE TEMP CONC BARRIER	LIN. FT.		1060													1060
02014	BARRICADES TYPE III	EACH					20										20
02091	REMOVE PAVEMENT	SQ. YD.	3332			161											3493
02159	TEMPORARY DITCH	LIN. FT.	7400														7400
02160	CLEAN TEMPORARY DITCH	LIN. FT.	3700														3700
02200	ROADWAY EXCAVATION (4)	CU. YD.	316612	20811	1947	55023											395077
02203	STRUCTURE EXCAVATION - UNCLASSIFIED	CU. YD.	83														83
02242	WATER (3)	M. GAL.	150														150
02274	FENCE CHAIN LINK 6 FT	LIN. FT.	1023														1023
02287	DOUBLE VEHICULAR CHAIN LINK GATE (20 FT)	EACH	1														1
02351	GUARDRAIL-STEEL W BEAM-S FACE	LIN. FT.	507			75											582
02360	GUARDRAIL TERMINAL END SECTION NO. 1	EACH				2											2
02363	GUARDRAIL CONNECTOR TO BRIDGE END TY A	EACH	4														4
02381	REMOVE GUARDRAIL	LIN. FT.	610			200											810
02391	GUARDRAIL END TREATMENT TYPE 4A	EACH	4														4
02429	RIGHT-OF-WAY MONUMENT TYPE 1	EACH	178	26	18	21											243
24540	R/W MONUMENT TYPE 3	EACH	3		5	102											110
24541	R/W MONUMENT TYPE 3A	EACH				2											2
24663ED	WITNESS R/W MONUMENT TYPE 4	EACH				1											1
02432	WITNESS POST	EACH	20														20
02460	REMOVE TREES OR STUMPS	EACH	3														3
02479	CAP MANHOLE	SQ. YD.		1.4													1.4
02483	CHANNEL LINING CL. II (5)	TON	1027	167	50	1364											2960
02484	CHANNEL LINING CL. III (6)	TON	599														829
02545	CLEARING AND GRUBBING (1)	LUMP SUM	1														1
02551	CONCRETE CLASS A FOR STEPS	CU. YD.	2														2
02555	CONCRETE CLASS B	CU. YD.	63														63
02562	TEMPORARY SIGNS	SQ. FT.					1633										1633
02568	MOBILIZATION	LUMP SUM	1														1
02569	DEMOBILIZATION	LUMP SUM	1														1
02585	EDGE KEY	LIN. FT.	38			93											131
02600	FABRIC-GEOTEXTILE TY IV FOR PIPE (7)	SQ. YD.	15000														15000
02611	HANDRAIL TYPE A-1	LIN. FT.	89														89
02619	HANDRAIL TYPE A	LIN. FT.	9														9
02650	MAINTAIN AND CONTROL TRAFFIC	LUMP SUM	1														1

NOTES:

1. APPROXIMATELY 82.3 ACRES.
2. CHANGE IN THICKNESS OF MUP
3. FOR CONTROLLING DUST CAUSED BY MAINTAINING TRAFFIC ONLY.
4. 684 CUBIC YARDS ADDED FROM PIPE DRAINAGE SUMMARY SHEET.
5. 352 TONS ADDED FROM PIPE DRAINAGE SUMMARY SHEET.
6. 230 TONS ADDED FROM PIPE DRAINAGE SUMMARY SHEET.
7. FOR WRAPPING PIPE TRENCH BEDDING AND BACKFILL.

EXCAVATION

304251	C.Y. COMMON
36278	C.Y. ROCK
4660	C.Y. SURF. DITCHES
20599	C.Y. EMB. BENCHING
24232	C.Y. TRANS. BENCHING
3091	C.Y. REFILL
1905	C.Y. MUP (2)
684	C.Y. PIPE DRAINAGE SUMMARY
395700	C.Y. TOTAL EXC.

EMBANKMENT

251707	C.Y. EMBANKMENT
20599	C.Y. EMB. BENCHING
24232	C.Y. TRANS. BENCHING
3091	C.Y. REFILL
-2355	C.Y. MUP (2)
297274	C.Y. TOTAL EMB.

RIGHT OF WAY PLANS

GENERAL SUMMARY SHEET

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME: R0020LSU

$TIME$ $DATE$ $FILE$

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R2m

R/W REV. NUMBER 11 MAY 30, 2018

GENERAL SUMMARY

ITEM	DESCRIPTION	UNIT	MAINLINE	US 42	GUNPOWDER RD	APPROACH RDS.	DIVERSIONS	TEMPORARY FRONTAGE RD.		CONSTRUCTION REVISION #2							TOTAL
02651	DIVERSION 1 (BY-PASS DETOURS) (8)	LUMP SUM					1										1
02651	DIVERSION 2 (BY-PASS DETOURS) (8)	LUMP SUM					1										1
02651	DIVERSION 3 (BY-PASS DETOURS) (8)	LUMP SUM					1										1
02651	DIVERSION 4 (BY-PASS DETOURS) (8)	LUMP SUM					1										1
02651	DIVERSION 5 (BY-PASS DETOURS) (8)	LUMP SUM					1										1
02651	DIVERSION 6 (BY-PASS DETOURS) (8)	LUMP SUM					1										1
02671	PORTABLE CHANGEABLE MESSAGE SIGN	EACH		4													4
02690	SAFELOADING (9)	CU. YD.	133	47	7	23											225
02701	TEMPORARY SILT FENCE	LIN. FT.	7400														7400
02703	SILT TRAP TYPE A	EACH	80														80
02704	SILT TRAP TYPE B	EACH	80														80
02705	SILT TRAP TYPE C	EACH	80														80
02706	CLEAN SILT TRAP TYPE A	EACH	80														80
02707	CLEAN SILT TRAP TYPE B	EACH	80														80
02708	CLEAN SILT TRAP TYPE C	EACH	80														80
02720	SIDEWALK	SQ. YD.	6700	3206	779	4495											15180
02726	STAKING	LUMP SUM	1														1
02731	REMOVE STRUCTURE (20x6 RCBC STA 47+66-47+86 HATHAWAY RD.)	LUMP SUM				1											1
02898	RELOCATE CRASH CUSHION (11)	EACH		2													2
03171	CONC BARRIER WALL TYPE 9T (11)	LIN. FT.		3000													3000
03385	PVC PIPE-6 IN	LIN. FT.	96														96
05950	EROSION CONTROL BLANKET	SQ. YD.	1993	1584	107	1258											4942
05952	TEMPORARY MULCH	SQ. YD.	258940														258940
05953	TEMPORARY SEED & PROTECT	SQ. YD.	194205														194205
05963	INITIAL FERTILIZER	TONS	17.68	1.95	0.92	2.44											23
05964	20-10-10 FERTILIZER	TONS	8.84	0.98	0.46	1.22											11
05985	SEEDING AND PROTECTION (10)	SQ. YD.	148170	14556	8334	21069											192129
05990	SODDING	SQ. YD.	20622	2701	488	1263											25074
05992	AGRICULTURAL LIMESTONE	TONS	106	12	6	15											138
05998	SPREADING STOCKPILED TOPSOIL	CU. YD.	4201	1404		344											5949
06510	PAVE STRIPING- TEMP PAINT- 4 IN.	LIN. FT.					134700										134700
06514	PAVE STRIPING-PERM PAINT-4 IN.	LIN. FT.	88560	15243	5731	28191											137725
06565	PAVE MARKING- THERMO X-WALK- 6 IN	LIN. FT.	1410	396	233	2449											4488
06567	PAVE MARKING- THERMO STOP BAR- 12 IN	LIN. FT.	241			62											303
06568	PAVE MARKING- THERMO STOP BAR- 24 IN	LIN. FT.	424	128	63	534											1149
06570	PAVE MARKING-PAINT CROSS-HATCH	SQ. FT.	2580	400	158	80											3218
06572	PAVE MARKING- DOTTED LANE EXTEN	LIN. FT.	478	886													1364
06573	PAVE MARKING- THERMO STR ARROW	EACH	2			2											4
06574	PAVE MARKING-THERMO CURV ARROW	EACH	68	15	4	23											110
06575	PAVE MARKING-THERMO COMB ARROW	EACH	13			10											23
06585	PAVEMENT MARKER TYPE IVA - MW TEMP	EACH					290										290
06588	PAVEMENT MARKER TYPE IVA - BY TEMP	EACH					1032										1032
06589	PAVEMENT MARKER TYPE V - MW	EACH	269	46													315
06591	PAVEMENT MARKER TYPE V - BY	EACH	467														467
08901	CRASH CUSHION TY VI CLASS BT TL2	EACH		2													2

NOTES:

(8) DIVERSION LOCATIONS

DIVERSION #1
STA. 4+00 - 23+00
MAINLINE

DIVERSION #2
STA. 20+09.70 - 21+68.58
GOLDEN POND DR.

DIVERSION #3
STA. 66+00 - 72+25.96
MAINLINE

DIVERSION #4
STA. 100+60.72 - 111+25
MAINLINE

DIVERSION #5
STA. 124+00 - 129+84.57
MAINLINE

DIVERSION #6
STA. 39+91.87 - 44+80.35
KY 237 (GUNPOWDER RD.)

(9) 15 CU. YD. ADDED FROM SANITARY SEWER PLANS.
25.5 CU. YD. ADDED FROM PIPE SUMMARY SHEET.

(10) SEE SPECIAL NOTE REGARDING SEEDING ON SHEET 2FF.

(11) TEMP. CRASH CUSHIONS AND TEMP. CONC BARRIER WALL FURNISHED BY THE CONTRACTOR SHALL REMAIN THE PROPERTY OF THE CONTRACTOR UPON COMPLETION OF THE CONTRACT.

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

RIGHT OF WAY PLANS

GENERAL SUMMARY SHEET

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME: R0020MSU

$TIME$ $DATE$ $FILE$

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R2n

R/W REV. NUMBER 11 MAY 30, 2018

GENERAL SUMMARY

ITEM	DESCRIPTION	UNIT	MAINLINE	US 42	GUNPOWDER RD	APPROACH RDS.	DIVERSIONS	TEMPORARY FRONTAGE RD.		CONSTRUCTION REVISION #2							TOTAL
10020NS	FUEL ADJUSTMENT	DOLLAR	371689														371689
10030NS	ASPHALT ADJUSTMENT	DOLLAR	457931														457931
20550ND	SAWCUT PAVEMENT	LIN. FT.	48	3246	38	390											3722
20818ND	GAS UTILITY COORDINATION	LUMP SUM	1														1
21289ED	LONGITUDINAL EDGE KEY	LIN. FT.		3246													3246
22520EN	PAVE MARKING- THERMO YIELD BAR - 36 IN	LIN. FT.	128														128
23139EN	STRIPING REMOVAL	LIN. FT.	25000														25000
23158ES505	DETECTABLE WARNINGS	SQ. FT.	1380	280	40	320											2020
23261EC	PAVE MARKING- THERMO X-WALK- 24 IN	LIN. FT.	1155	390		560											2105
24386EC	PAVE MARKING THERMO-BIKE LANE ARROW	EACH		6													6
24605ED	RELOCATE (HISTORIC ENTRANCE GATE) (12)	LUMP SUM	1														1
24814EC	PIPELINE INSPECTION	LIN. FT.	20983	3003	1018	1752											26756
23032EN	BRIDGE BARRIER RETROFIT	LIN. FT.	205														205
24845EC	UTILITY COORDINATION	LUMP SUM	1														1
23276EN11F	TURF REINFORCEMENT MAT (13)	SQ. YD.															211
02555	CLASS B CONCRETE FOR WALL	CY								197							197
02200	ROADWAY EXCAVATION (SPECIAL) (14)	CY								1269							1269
00078	#2 STONE	TON								910							910
05990	SOD (FOR FRONT YARD)	SY								1422							1422
02611	HANDRAIL TYPE A-1	LF								296							296
01490	DBI TYPE 1	EACH								1							1
00521	STORM SEWER PIPE 15"	LF								21							21
02599	FABRIC-GEOTEXTILE TYPE IV	SY								2409							2409
02203	STRUCTURE EXCAV-UNCLASSIFIED	CY								36							36
01000	PERFORATED PIPE 4"	LF								300							300
01010	NON-PERFORATED PIPE 4"	LF								43							43
23974	CONNECT TO STORM SEWER STRUCTURE	EACH								1							1
02726	STAKING (SLIDE REPAIR)	LS								1							1

NOTES:

(12) SEE SHEET R89 FOR HISTORIC ENTRANCE GATE AND FENCE RELOCATION DETAILS.

(13) 211 SQ.YD. CARRIED OVER FROM PIPE DRAINAGE SUMMARY

(14) 2449 C.Y. EMBANKMENT NEEDED FOR WALL REFILL (FOR INFORMATION ONLY)

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

RIGHT OF WAY PLANS

GENERAL SUMMARY SHEET

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME: R0020NSU

$TIME$ $DATE$ $FILE$

PIPE DRAINAGE SUMMARY

RIGHT OF WAY PLANS

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	06-158.00	R2o

R/W REV. NUMBER 11 MAY 30, 2018

PIPE SHEET NO.	STATION	INLET NUMBER	SKEW	MAX. COVER HEIGHT	DESIGN pH LEVEL	STORM SEWER PIPE												CULVERT PIPE			CLASS A CONCRETE (ANTI-SEEP COLLARS)			REMARKS
						12 in.	15 in.	18 in.	24 in.	30 in.	36 in.	42 in.	48 in.	54 in.	60 in.	66 in.	72 in. EQUIV.	18 in.	24 in.	30 in.				
ITEM CODE						00520	00521	00522	00524	00526	00528	00529	00530	00531	00532	00533	00564	00462	00464	00466	08100			
UNIT TO BID						LINEAR FEET															CU YD			
1	9+00	309	0°	6	Med.			150																
1	10+00	300/301	0°	6	Med.																			
2	10+50	304	0°	2	Med.			49	463															
2	12+00	305/1/302	0°	7	Med.		21				248													
3	14+50	2	0°	5	Med.				174		160													
3	15+20	303/5	0°	5	Med.													70						
4	16+06.26	5/3/4	11°05'32" Rt	13	Med.									131										
5	18+62	7/8	0°	5	Med.			271																
5	21+00	308/9	0°	4	Med.			163																
6	22+00	307/11	0°	6	Med.			100																
6	22+58	10	0°	6	Med.		61																	
7	23+26.24	81/12	2°36'58" Rt	6	Med.		113																	
7	24+77.08	46/25	0°	7	Med.			69																
8	48+80.62 OUR	283/119	6°31'05" Rt	2	Med.		15																	
8	Union Baptist Detn.	284/25		7	Med.		45																	
9	25+30.39	23/98/25/26/27	12°34'32" Lt	7	Med.							231												
10	26+00	24/22/48	0°	5	Med.		74					65												
10	27+00	17/399/21	0°	5	Med.			63				141												
11	30+21.65	16/19/20	61°42'11" Rt	10	Med.							483												
12	30+50	18	0°	4	Med.			99																
12	32+00	13/15	0°	4	Med.			202																
13	34+00	312/63/12/14	0°	5	Med.		168	309																
14	37+06.78	42/41/40/43/39	0°	15	Med.		23	55		248														
15	37+50	45	0°	4	Med.			44	100															
15	38+00	44	0°	4	Med.			50																
16	38+35	35	0°	4	Med.			37																
16	38+50	33	0°	4	Med.																			
17	38+75	80	0°	4	Med.				134															
17	39+00	49	0°	4	Med.			64	25															
18	39+13	38	0°	4	Med.																			
18	40+00	97	0°	4	Med.			103	36															
19	41+00	37/34/96/95	0°	5	Med.		23	159																
19	43+37.50	36/32	44°52'22" Lt	5	Med.			287	165															
20	44+75	31	0°	5	Med.		100																	
20	45+00	30	0°	5	Med.			199																
21	45+81.13	47	0°	7	Med.			89																
21	48+71.44	28/29/398	0°	7	Med.			418																
22	49+30	397	0°	7	Med.			54																
22	50+59 APPR 52+20	443/444	0°	9	Med.			167																
23	53+75	50	0°	5	Med.		170																	
23	55+50	51	0°	5	Med.		88																	
24	56+40	52	0°	5	Med.																			
25	57+75	57/54/53/52	0°	10	Med.			82																
25	58+30	58	0°	6	Med.				116															
26	59+10.18	79/78/77/90/68/76/59	17°08'19" Rt	7	Med.				68	83	441													
27	60+50	70/71	0°	9	Med.		109																	
27	61+10	75	0°	2	Med.		192		146															
28	61+85	74	0°	2	Med.		78																	
28	50+64.50 Indian Hill	64/67/71	5°24'57" Lt	10	Med.		51	215																

KY 536
PIPE DRAINAGE SUMMARY SHEET

FILE NAME: G:\2925-BOONE536\SUBMISSIONS\2018-7-19CONSTREVISION2RWREVIT\R002OOSU.DGN
USER: Gkreutzjans
DATE PLOTTED: July 19, 2018
E-SHEET NAME: R002OOSU
MicroStation v8.11.7.443

PIPE DRAINAGE SUMMARY

RIGHT OF WAY PLANS

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R2r

R/W REV. NUMBER 11 MAY 30, 2018

PIPE SHEET NO.	STATION	INLET NUMBER	SKEW	MAX. COVER HEIGHT	DESIGN pH LEVEL	STORM SEWER PIPE 12 in.	15 in.	18 in.	24 in.	30 in.	36 in.	42 in.	48 in.	54 in.	60 in.	66 in.	72 in. EQUIV.	CULVERT PIPE 18 in.	24 in.	30 in.	CLASS A CONCRETE (ANTI-SEEP COLLARS)			REMARKS
ITEM CODE						00520	00521	00522	00524	00526	00528	00529	00530	00531	00532	00533	00564	00462	00464	00466	08100			
UNIT TO BID						LINEAR FEET															CU YD			
83	399+25 US 42	239	0°	4	Med.		172																	
84	402+48 US 42	315/41	0°	5	Med.		46																	
84	404+00 US 42	311 314	0°	5	Med.		314																	
85	404+70.08 US 42	281/42	86°19'33" Lt		Med.																			
85	405+41 US 42	310 313	0°	5	Med.		204																	
86	41+48 Mt. Zion#1	433/434/435	0°	8	Med.			115																
86	47+84.14 Mt. Zion#1	263/261	9°05'23" Lt	6	Med.			79																
86	47+04 Harr	264/260/261/262	0°	6	Med.		56	42																
87	52+76.54	450/451	24°30'33" Lt	15	Med.													182						
88	51+50 Golden Pond	55/56	0°	5	Med.			114																
88	51+90 Ind. Hill	65/66	0°	6	Med.			141																
89	48+00 Syc 2	87/88/89	0°	6	Med.			109																
89	48+25 Syc 2	86	0°	2	Med.		31																	
90	54+81.23 Mt. Zion#2	137	0°		Med.																			
90	55+56.83 Conn2	162/161	19°35'17" Rt	6	Med.													69						
90	50+84.53 Hemp	130/131/132	24°25'04" Lt	9	Med.		153																	
91	41+69 GP	250/253/251/252	0°	5	Med.		24	46																
91	43+61.35 Gunpowder	254/248/249	17°47'48" Lt	5	Med.		13	60																
92	45+34 Gunpowder	255/254/246/247	0°	5	Med.		9	62																
92	45+75 Gunpowder	243/245	0°	4	Med.		82																	
93	47+50.78 Gunpowder	240/241/242	0°	6	Med.			88																
93	48+17.20 Gunpowder	189	3°04'57" Rt	9	Med.														39					
94	53+10 Gunpowder	258/259	0°	4	Med.														56					
95	41+56.53 N. Tiburon	159/158	28°24'45" Rt	12	Med.			253																
95	43+30 N. Tiburon	278/277/213	0°	14	Med.					322														
96	45+94 N. Tiburon	160/279	0°	13	Med.			46		144														
96	47+70 N. Tiburon	165/164/163	0°	10	Med.		13	46		127														
97	51+59 Tiberon	208/218	0°	5	Med.			49			50													
97	52+85 Tiburon	270/265	0°	8	Med.		23				126													
98	54+00 Tiberon	299/400/401	0°	6	Med.						224													
98	51+26 Highland	257/256	32° Rt	6	Med.															74				
99	49+35 Flor. Bapt.	213/212/211		14	Med.			75																
	TOTALS					23	~~7067~~ 7088 ①	9602	4094	1168	2479	920	501	1228	1128	1202	18	321	207	74	3.3			

① 21 L.F. FOR CONSTR. REV. #2 CARRIED OVER TO GENERAL SUMMARY

KY 536
PIPE DRAINAGE SUMMARY SHEET

FILE NAME: G:\2925-BOONE536\SUBMISSIONS\2018-7-19CONSTREVISION2RWREVIT\R0020RSU.DGN
USER: Gkreutzjans
DATE PLOTTED: July 19, 2018
E-SHEET NAME: R0020RSU
MicroStation v8.11.7.443

PIPE DRAINAGE SUMMARY

RIGHT OF WAY PLANS

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R2s

R/W REV. NUMBER 11 MAY 30, 2018

PIPE SHEET NO.	STATION	INLET NUMBER	CURB BOX INLET TYPE A	DROP BOX INLET									JUNCTION BOX 30 IN (TYPE 11)	REMOVE CBI	SAFELOAD PIPE	SLOTTED DRAIN PIPE 12 in	MANHOLE TYPE			CAP MANHOLE	PLUG PIPE		REMARKS
				1	3	4	7	11	13G	13S	15	16S					A	B	C				
ITEM CODE			01456	01490	01496	01499	01538	01544	01559	01568	01580	01587	01644	01705	02690	00980	01756	01761	01767	02479	01314		
UNIT TO BID			EACH												C. Y.	L. F.	EACH			S. Y.	EACH		
1	9+00	309			1																		
1	10+00	300/301			1																		
2	10+50	304			1																		
2	12+00	305/11/302	1		2 & 3																		
3	14+50	2	1																				
3	15+20	303/151			1																		
4	16+06.26	5/3/4	1																1				
5	18+62	7/8	2																				
5	21+00	308/9	1		1																		
6	22+00	307/11			1																		
6	22+58	10	1																				
7	23+26.24	81/12	1									1				10							
7	24+77.08	46/25							1														
8	48+80.62 OUR	283/119								1													
8	Union Bptst Detn.	284/25/238									1												
9	25+30.39	23/98/25/26/27	2																2				
10	26+00	24/22/48	2		1																		
10	27+00	17/399/21	2		1																		
11	30+21.65	16/19/20	2																				
12	30+50	18			1																		
12	32+00	13/15	2																				
13	34+00	312/61/12/14	3														1						
14	37+06.78	42/41/40/43/39	2		1	1													1				
15	37+50	45	1																				
15	38+00	44	1																				
16	38+35	35	1																				
16	38+50	33	1																				
17	38+75	80	1																				
17	39+00	49	1																				
18	39+13	38	1																				
18	40+00	97	1																				
19	41+00	37/34/96/95	2		2																		
19	43+37.50	36/32	2																				
20	44+75	31	1																				
20	45+00	30	1																				
21	45+81.13	47								1													
21	48+71.44	28/29/398	3																				
22	49+30	397	1																				
22	50+59 APPR 52+20	443/444	1		1																		
23	53+75	50	1																				
23	55+50	51	1																				
24	56+40	52	1																				
25	57+75	57/54/53/152	3																				
25	58+30	58	1																				
26	59+10.18	79/78/77/90/68/76/99	3			2													1				
27	60+50	70/71	1		1																		
27	61+10	75									1												
28	61+85	74									1												
28	50+64.50 Indian Hill	63/64/67/171	3								1												

KY 536
PIPE DRAINAGE SUMMARY SHEET

FILE NAME: G:\2925-BOONE536\SUBMISSIONS\2018-7-19CONSTREVISION2RWREVIT\R0020SSU.DGN
USER: Gkreutzjans
DATE PLOTTED: July 19, 2018
E-SHEET NAME: R0020SSU
MicroStation v8.11.7.443

PIPE DRAINAGE SUMMARY

RIGHT OF WAY PLANS

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R2v

R/W REV. NUMBER 11 MAY 30, 2018

PIPE SHEET NO.	STATION	INLET NUMBER	CURB BOX INLET TYPE A	DROP BOX INLET									JUNCTION BOX 30 IN (TYPE 11)	REMOVE CBI	SAFELOAD PIPE	SLOTTED DRAIN PIPE 12 in	MANHOLE TYPE			CAP MANHOLE	PLUG PIPE		REMARKS
				1	3	4	7	11	13G	13S	15	16S					A	B	C				
ITEM CODE			01456	01490	01496	01499	01538	01544	01559	01568	01580	01587	01644	01705	02690	00980	01756	01761	01767	02479	01314		
UNIT TO BID			EACH												C. Y.	L. F.			EACH	S. Y.	EACH		
83	399+25 US 42	239	1																				
84	402+48 US 42	315/41	1																				
84	404+00 US 42	311/314	2																				
85	404+70.08 US 42	281/42																		1.4			
85	405+41 US 42	310 313	2																				
86	41+48 Mt. Zion#1	433/434/435	2																				
86	47+84.14 Mt. Zion#1	263/261																					
86	47+04 Harr	264/260/261/262	2		1						1												
87	52+76.54	450/451																					
88	51+50 Golden Pond	55/56	2																				
88	51+80 Ind. Hill	65/66	2																				
89	48+00 Syc 2	87/88/89	2																				
89	48+25 Syc 2	86									1												
90	54+81.23 Mt. Zion#2	137						1															
90	55+56.83 Conn2	162/161			1																		
90	50+84.53 Hemp	130/131/132	2														1						
91	41+69 GP	250/253/251/252	1								1												
91	43+61.35 Gunpowder	254/248/249	1		1																		
92	45+34 Gunpowder	255/244/246/247	2								1												
92	45+75 Gunpowder	243/245	2																				
93	47+50.78 Gunpowder	240/241/242	2																				
93	48+17.20 Gunpowder	189																					
94	53+10 Gunpowder	258/259			1																		
95	41+56.53 N. Tiburon	159/158																1					
95	43+30 N. Tiburon	278/277/213	2															1					
96	45+94 N. Tiburon	160/279	2																				
96	47+70 N. Tiburon	165/164/163	2		1																		
97	51+59 Tiburon	208/218	2																				
97	52+85 Tiburon	270/265	1		1																		
98	54+00 Tiburon	299/400/401	2																				
98	51+26 Highland	257/256																					
99	49+35 Flor Bapt.	213/212/211	2																				
	TOTALS		201	1	~~45~~ 46 ②	10	3	1	3	3	19	1	1	4 ①	25.5 ①	10	5	5	28	1.4 ①	1 ①		

① CARRIED OVER TO GENERAL SUMMARY

② 1 Each FOR CONSTR. REV. #2 CARRIED OVER TO GENERAL SUMMARY

KY 536
PIPE DRAINAGE SUMMARY SHEET

FILE NAME: G:\2925-BOONE536\SUBMISSIONS\2018-7-19CONSTAREVISION2RWREVIT\R0020VSU.DGN
USER: Gkreutzjans
DATE PLOTTED: July 19, 2018
E-SHEET NAME: R0020VSU
MicroStation v8.11.7.443

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R3

R/W REV. NUMBER 1 JANUARY 25, 2013
R/W REV. NUMBER 3 AUGUST 14, 2013

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

CONVENTIONAL SIGNS

SURVEY LINE
GRADE LINE — 400' V.C.
GROUND LINE
COUNTY LINE
CORPORATE LIMITS
EXIST. PROPERTY LINE
EXIST. RIGHT OF WAY & PROPERTY LINE
PROPOSED RIGHT OF WAY
RIGHT OF WAY MONUMENT
BENCH MARK — B.M. NO.4
EXISTING R/W MARKER
RIGHT OF WAY MONUMENT EXISTING/PROPOSED
UTILITY TEST HOLE — TH
EXISTING ROAD
RAILROAD
FENCE (CONTROLLED ACCESS) — XX
FENCE (EXCEPT STONE AND HEDGE) — X X
TREE LINE
TREES
PIPE CULVERT
CULVERT
BRIDGE
BUILDINGS — 1-S FRAME; 1-S BRICK; SHED; 2-S BRICK
GUARDRAIL — END TREATMENT; GUARDRAIL; TERMINAL SECTION

	EXISTING	PROPOSED
LIGHTING POLE	●	○
POWER POLE	■	□
JOINT POWER & TELEPHONE POLE	■	□
TELEPHONE & TELEGRAPH POLE	●	○
ANCHOR, POWER OR TELEPHONE	▲	△
STUB POWER	■	□
STUB TELEPHONE	●	○
WATER MAIN	WM	6" WM
GAS MAIN	GM	GM
TELEPHONE DUCT	T	T
ELECTRIC DUCT	E	E
DIRECT BURIAL TV CABLE	TV	TV
SANITARY SEWER (WITH MANHOLE)	SAN	SAN
STORM SEWER (WITH MANHOLE)	STORM	STORM
DIRECT BURIAL ELECTRIC CABLE	E	E
DIRECT BURIAL TELEPHONE CABLE	T	T
OVERHEAD WIRE		
TRAFFIC LIGHTS		
ELECTRIC MANHOLE	EMH	EMH
TELEPHONE MANHOLE	TMH	TMH

STONE FENCE
HEDGE FENCE
SWAMP OR MARSH
SPRINGS
SINKHOLE
QUARRY SITE
BLUE LINE STREAM
INTERMITTENT STREAM OR DITCH
LAKES OR PONDS
REGULATED FLOODWAY
NORTH POINT

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$files$specification$$$$
E-SHEET NAME:

$TIME$ $DATE$ $FILE$

UTILITY OWNERS

Duke Energy - Gas
Duke Energy - Electric
Owen Electric Cooperative
Cincinnati Telephone
Insight Communications - CATV
Sanitation District No. 1
Boone County Water District

DITCH CONSTRUCTION					
	SIZE-SHAPE	LINING			
STATION	TYPE	TYPE	QUANTITY	D	T
LT 5+00 TO 8+94	2' FB SURFACE DT	SOD	350 SY	1	
LT 9+30 TO 10+50	2' FB SURFACE DT	SOD	102 SY	1	
LT 11+50 TO 13+00	2' SPECIAL DT	SOD	133 SY	1	

P 11 — MARK RATCLIFF & GAIL RATCLIFF (WF) DB 818 PG 325
P 12 — UNION ACRES LLC DB 983 PG 257
P 13 — JEFFERSON S.POWELL STEPHANIE K.POWELL (WF) DB 1008 PG 932
P 14 — ROBERT E.REEVES & CAROL REEVES (WF) DB 316 PG 112
P 15

Note: Contractor Shall Exercise Caution Around Leach Field

PI STA 4+65.12
Δ= 40°55'40", RT
T= 427.65'
L= 818.61'
R= 1146'
E= 77.19'
e= 8.3%
Runoff= 151'
Runout= 36'

BEGIN RIGHT OF WAY STA. 5+10.47

BEGIN CONSTRUCTION STA. 4+00.00
SEE DIVERSION 1

PT STA 8+56.08

DIVERSION NO. 1

HATHAWAY ROAD

Temp.Esmt. — Perm.Esmt. for Drainage — Exist. & Prop.R/W — Exist.R/W — Approx. Loc. & Abandoned — Safeload — Remove

STA 9+96.20 P.C. — 10+00

1 STY FRAME 2118 — 1 STY STUCCO NO BSMT. 2140 — STUCCO GARAGE — CONC — CONCRETE — CLEAN Septic OUT — Approx. Loc.

5+00

ASPHALT DR. — ASPHALT DR

S.WOOD FNC. — X — WOOD FNC.

STORM — DRAIN — 12" PVC — 15" CMP — 18" — 24" — 2. SURF. DT. — 2' SPEC. DT.

Ex. catch Basin INV.= 860.35 — INV.= 859.16 — INV.= 859.79 — INV.= 854.36

R 25' — R 20'

GRATE — GATE — SIGN — E-BOX — NO NUMBER — TEL.PED. — EL PAD — 35BN383C — 35BN384C

WM — GM — T — E — TV — SAN — STORM

MATCHLINE - STA. 11+00

RIGHT OF WAY PLANS

SCALE: 1"= 30'

DITCH CONSTRUCTION					
	SIZE-SHAPE	LINING			
STATION	TYPE	TYPE	QUANTITY	D	T
RT 8+00 TO 9+94	2' FB SURFACE DT	CL. II	172 SY	1	
RT 10+15 TO 11+94	2' FB SPECIAL DT	CL. II	159 SY	1	
RT 12+15 TO 13+00	2' FB SPECIAL DT	CL. II	76 SY	1	

ENTRANCES								
LOCATION	WIDTH (FT)	8" CONC. ENT. PAVT.(SY)	SURF. AREA (SY)	ASP. SURF. (TONS)	ASP. BASE (TONS)	DGA (TONS)	6" CONC. ENT. PAVT.	PIPE (DIA. - LENGTH)
5+22.00 LT	10.5	-	113	8	14	26	-	15IN.-47FT.
7+53.50 RT	12	-	64	4	8	15	-	STORM
8+00 LT	12	-	125	9	15	29	-	STORM
10+67.00 LT	12	57	114			39	114	STORM

BEFORE YOU DIG

The contractor is instructed to call 1-800-752-6007 to reach KY 811, the one-call system for information on the location of existing underground utilities. The call is to be placed a minimum of two (2) and no more than ten (10) business days prior to excavation. The contractor should be aware that owners of underground facilities are not required to be members of the KY 811 one-call Before-U-Dig (BUD) service. The contractor must coordinate excavation with the utility owners, including those whom do not subscribe to KY 811. It may be necessary for the contractor to contact the County Court Clerk to determine what utility companies have facilities in the area.

Commonwealth of Kentucky
DEPARTMENT OF HIGHWAYS
COUNTY OF

BOONE

PROJECT NUMBERS: KY 536 - MT. ZION ROAD
FD52 008 0536 010-014

MAINLINE PLAN SHEET
STA. 7+00 TO STA. 13+00

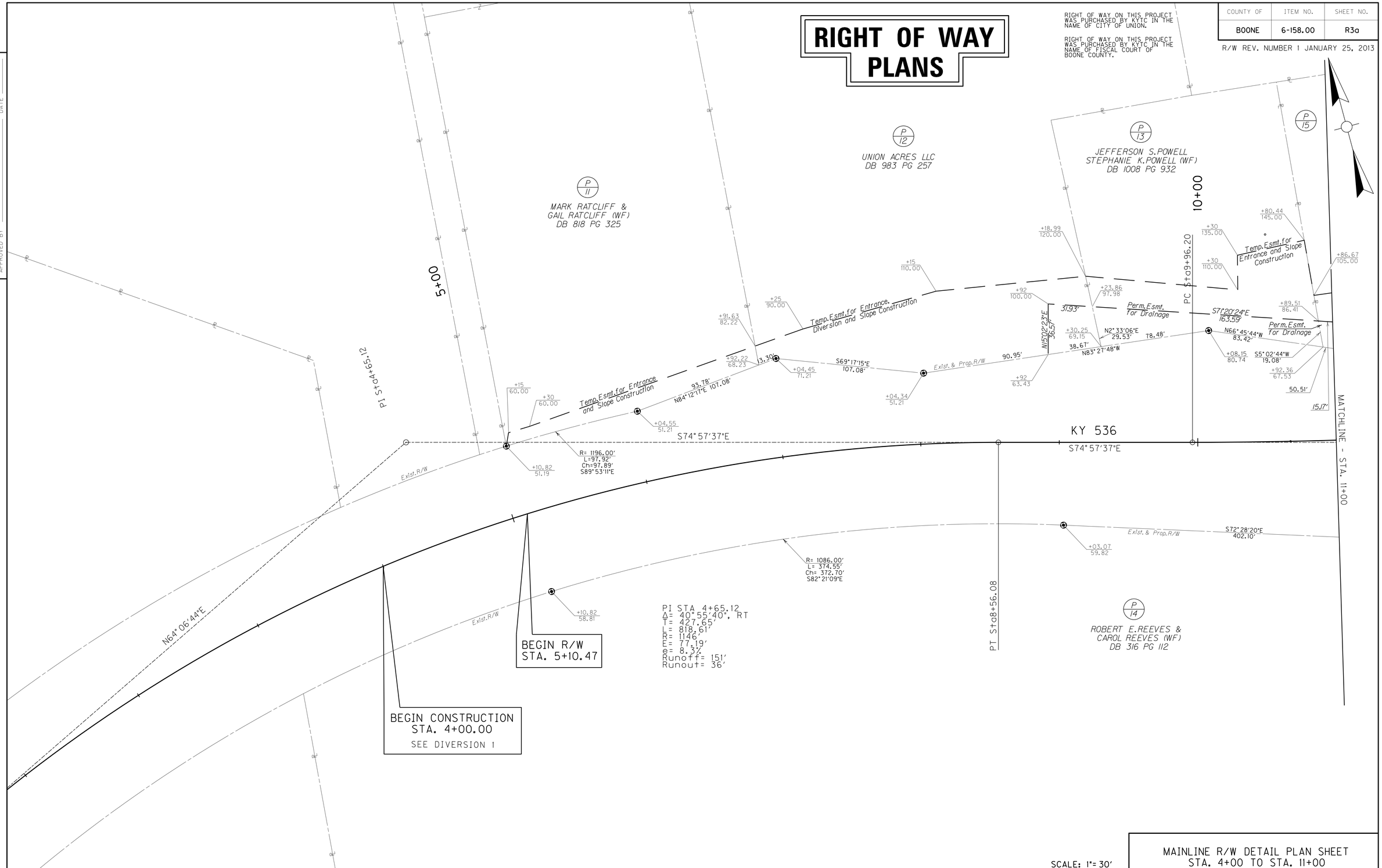
RIGHT OF WAY PLANS

RIGHT OF WAY ON THIS PROJECT WAS PURCHASED BY KYTC IN THE NAME OF CITY OF UNION.

RIGHT OF WAY ON THIS PROJECT WAS PURCHASED BY KYTC IN THE NAME OF FISCAL COURT OF BOONE COUNTY.

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R3a

R/W REV. NUMBER 1 JANUARY 25, 2013



SCALE: 1"= 30'

MAINLINE R/W DETAIL PLAN SHEET
STA. 4+00 TO STA. 11+00

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$TIME$ $DATE$ $FILE$

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R04

R/W REV. NUMBER 1 JANUARY 25, 2013

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

BEGIN CONSTRUCTION
STA. 4+00.00

OVERHEAD UTILITY
ELEV. = 897.60
10 FT ABOVE DATUM

+50
876.50

2' F.B. SURFACE
DITCH LEFT
-5.46%

+81.44
869.32

18" ENTRANCE
PIPE @ 5.05%

+18.51
867.30

STA. 7+34.43, 32.81' RT.
1-HW 24"

V.P.I. 7+00.00
Elev. 876.30FT

-1.89%

V.P.I. 8+03.48
Elev. 874.34FT
200.00FT V.C.
S.S.D. = 463.40 FT

+00
870.33

300

262.00 L.F. OF 24" PIPE
@ So = 0.0380 ft/ft

+93.83
863.19

309

+30
860.42

2' F.B. SURFACE
DITCH LEFT
-2.66%

LEFT SIDE
OFFSET 15'
VERTICALLY

OVERHEAD UTILITY
ELEV. = 879.65

149.28 L.F. OF 18" PIPE
@ So = 0.0400 ft/ft

+48.50
857.27

304

305

49.15 L.F.
OF 18" PIPE
@ So = 0.0620 ft/ft

301

2' F.B. SURFACE
DITCH RIGHT
-3.30%

+93.83
863.94

+15
863.35

2' F.B. SPECIAL
DITCH RIGHT
NORMAL

-4.86%

202.80 L.F. OF 24" PIPE
@ So = 0.0400 ft/ft

STA. 9+00.00, 95.00' LT.
1-DBI Ty 3

STA. 10+00.00, 32.00' RT.
1-DBI Ty 3

STA. 10+50.00, 81.50' LT.
1-DBI Ty 3

STA. 11+00.00, 76.00' LT.
1-DBI Ty 3

MATCHLINE STA. 11+00

859.24
859.92
11+00

SCALE: 1" = 30' HORIZONTAL
1" = 3' VERTICAL

RIGHT OF WAY PLANS

878.55	879.22	879.40	879.22	878.86	878.36	877.34	876.10	874.74	873.26	871.23	869.08	866.82	864.38	861.92		
3+50	4+00	4+50	5+00	5+50	6+00	6+50	7+00	7+50	8+00	8+50	9+00	9+50	10+00	10+50		
							876.30	875.19	873.72	871.87	869.65	867.22	864.79	862.36		

PROFILE SHEET
MAINLINE
STA. 4+00 TO STA. 11+00

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$TIME$ $DATE$ $FILE$

RIGHT OF WAY PLANS

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R5

R/W REV. NUMBER 11 MAY 30, 2018

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

DITCH CONSTRUCTION					
STATION	SIZE-SHAPE TYPE	LINING TYPE	QUANTITY	D	T
LT 11+50 TO 16+23	2' FB SPECIAL DT	SOD	421 SY	1	
LT 18+50 TO 20+50	2' FB SPECIAL DT	ECB	178 SY	1	

RETAINING WALL CURVE DATA
PI STA -0+04.59
Δ= 7°33'10", LT
PC= -2+26.67 =35.5' Lt. ML Sta. 9+96.20
PT= 2+16.84 =35.5' Lt. ML Sta. 14+44.39
T= 224.42'
L= 443.51'
R= 3364.5'

CONSTRUCT GRAVITY WALL
35.5' Lt. Sta. 12+25 to 35.5' Lt. Sta. 15+27.55
See Wall Detail Sheet 89c and 89d

PI STA 12+20.62
Δ= 7°33'10", LT
T= 224.42'
L= 448.19'
R= 3400'
e= 2.2%
Runoff= 61'
Runout= 55'

REMOVE PAVEMENT
128' Lt. Sta. 17+02 to 205' Lt. Sta. 17+87, Remove Pavement 262 S.Y.
258' Lt. Sta. 18+47 to 315' Lt. Sta. 19+44, Remove Pavement 294 S.Y.

REMOVE GUARDRAIL
36' Lf. Sta. 46+79 to 16' Lt. Sta. 47+00 Hathaway Rd.
Remove Guardrail 135.00 L.F.

For Entrance Profile, See Sheet R69a.
For Entrance Cross Sections, See Sheets X246- X248.

PI STA 47+65.13
Δ= 54°32'38", RT
T= 25.78'
L= 47.60'
R= 50.00'
E= 6.25'
e= N/A
Runoff= N/A
Runout= N/A

PC Sta47+39.35
PT Sta47+86.95

PI STA 20+83.40
Δ= 32°04'40", LT
T= 143.74'
L= 279.93'
R= 500'
E= 20.25'
e= 3.82%
Runoff= 93'
Runout= 49'

For Hathaway Rd., See Sheet R41.

MATCHLINE - STA. 47+00

MATCHLINE - STA. 11+00

MATCHLINE - STA. 20+50

HERBERT J.WALKE III & KRISTI J.WALKE (WF) DB 947 PG 841

DAVID P.BRUN & MARY DENISE BRUN (WF) DB 332 PG 248

TERRY N.TANNER & DONNA SUE TANNER (WF) DB 276 PG 97, DB 283 PG 134, DB 316 PG 148

THOMAS G.BOONE & MARGARET A.BOONE (WF) DB 389 PG 147

ROBERT E.REEVES & CAROL REEVES (WF) DB 316 PG 112

DO NOT DISTURB

DIVERSION NO. 1
RELOCATE FIRE HYDRANT PRIOR TO WALL INSTALLATION
MAINTAIN 3' SEPARATION FROM WALL TO CENTER OF F.H.

FRONTAGE RD. NO. 1

℄ KY 536 STA. 18+30 = ℄ ENTRANCE STA. 50+00

Remove 4" Non Perf. Pipe tie into Edge Drain

4" Non Perf. Pipe

4" Perf. Pipe

Remove

Relocate Historical Gate, Columns and Fence. See Detail Sheet R89.

Perm.Esmt. for Drainage and Water Main

Temp.Esmt.

Fence reinstallation limits, Payed under "Historical Gate" Bid Item See Detail Sheets R89 and R2k

HISTORICAL GATE
72.13' Rt. Sta. 15+41.90 Centered
Construct Foundations, Relocate Gate and Columns and 3-Board Fence.
Reconnect Power - Lump Sum

DITCH CONSTRUCTION					
STATION	SIZE-SHAPE TYPE	LINING TYPE	QUANTITY	D	T
RT 11+00 TO 11+94	2' FB SPECIAL DT	CL II	104 T	1	15"
RT 12+15 TO 15+14	2' FB SURFACE DT	ECB	266 SY		
RT 15+95 TO 17+00	2' FB SPECIAL DT	ECB	94 SY		
RT 17+00 TO 20+50	2' FB SPECIAL DT	ECB	311 SY		

ENTRANCES								
LOCATION	WIDTH (FT)	8" CONC. ENT. PAVT.(SY)	SURF. AREA (SY)	ASP. SURF. (TONS)	ASP. BASE (TONS)	DGA (TONS)	6" CONC. ENT. PAVT.	PIPE (DIA. - LENGTH)
11+17.47 LT	12	57	115	7	14	39	-	STORM
15+42.00 RT	12	57	209	14	27	61	-	STORM
18+30.00 LT	12	57	303	21	38	83	-	NONE

SCALE: 1"= 30'

MAINLINE PLAN SHEET
STA. 11+00 TO STA. 20+50
(WITH SLIDE CORRECTIONS)

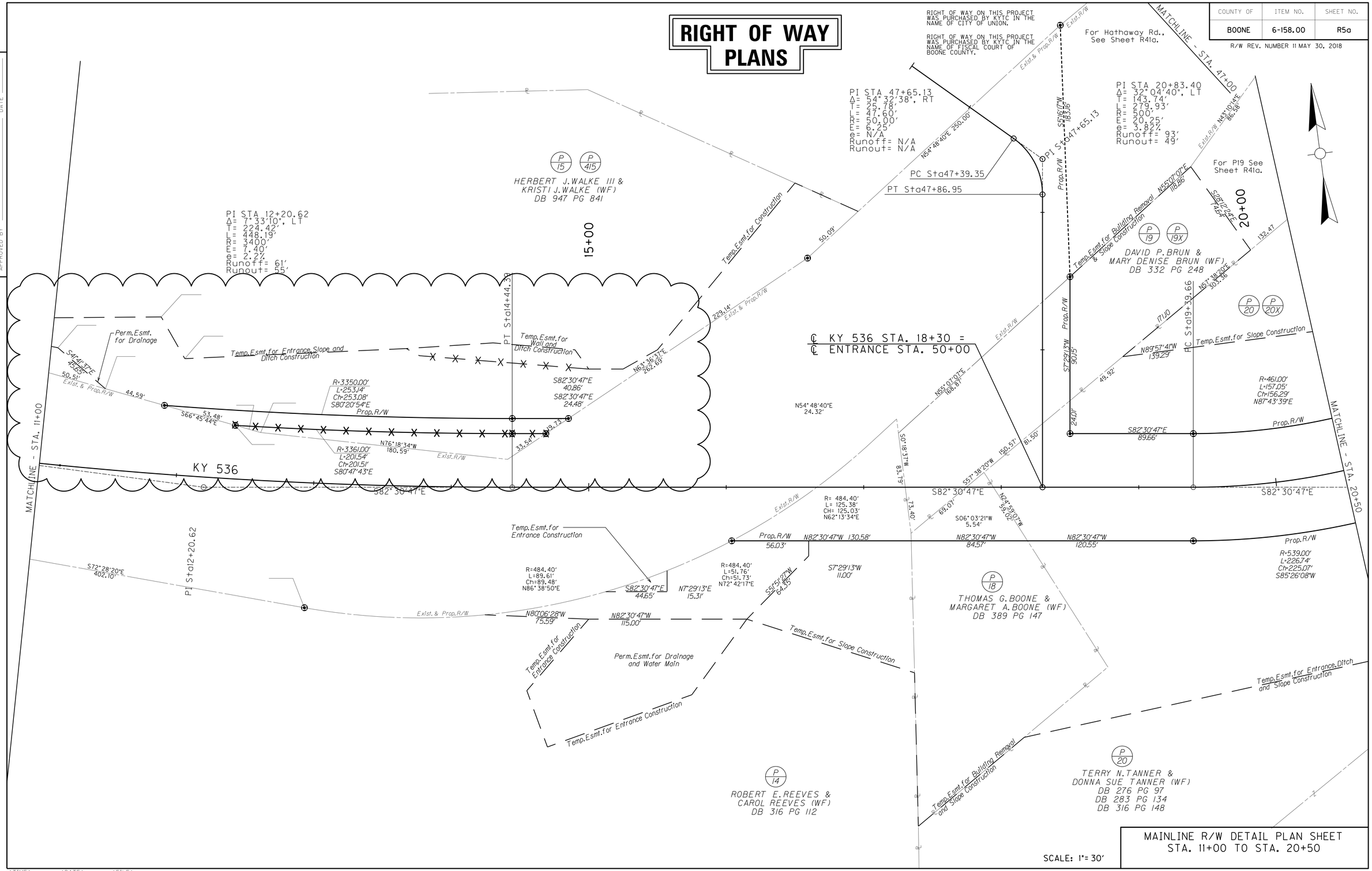
USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME: R00500PL

$TIME$ $FILE$

RIGHT OF WAY PLANS

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R5a

R/W REV. NUMBER 11 MAY 30, 2018



SCALE: 1"= 30'

MAINLINE R/W DETAIL PLAN SHEET
STA. 11+00 TO STA. 20+50

PREPARED BY DATE
CHECKED BY DATE
APPROVED BY DATE

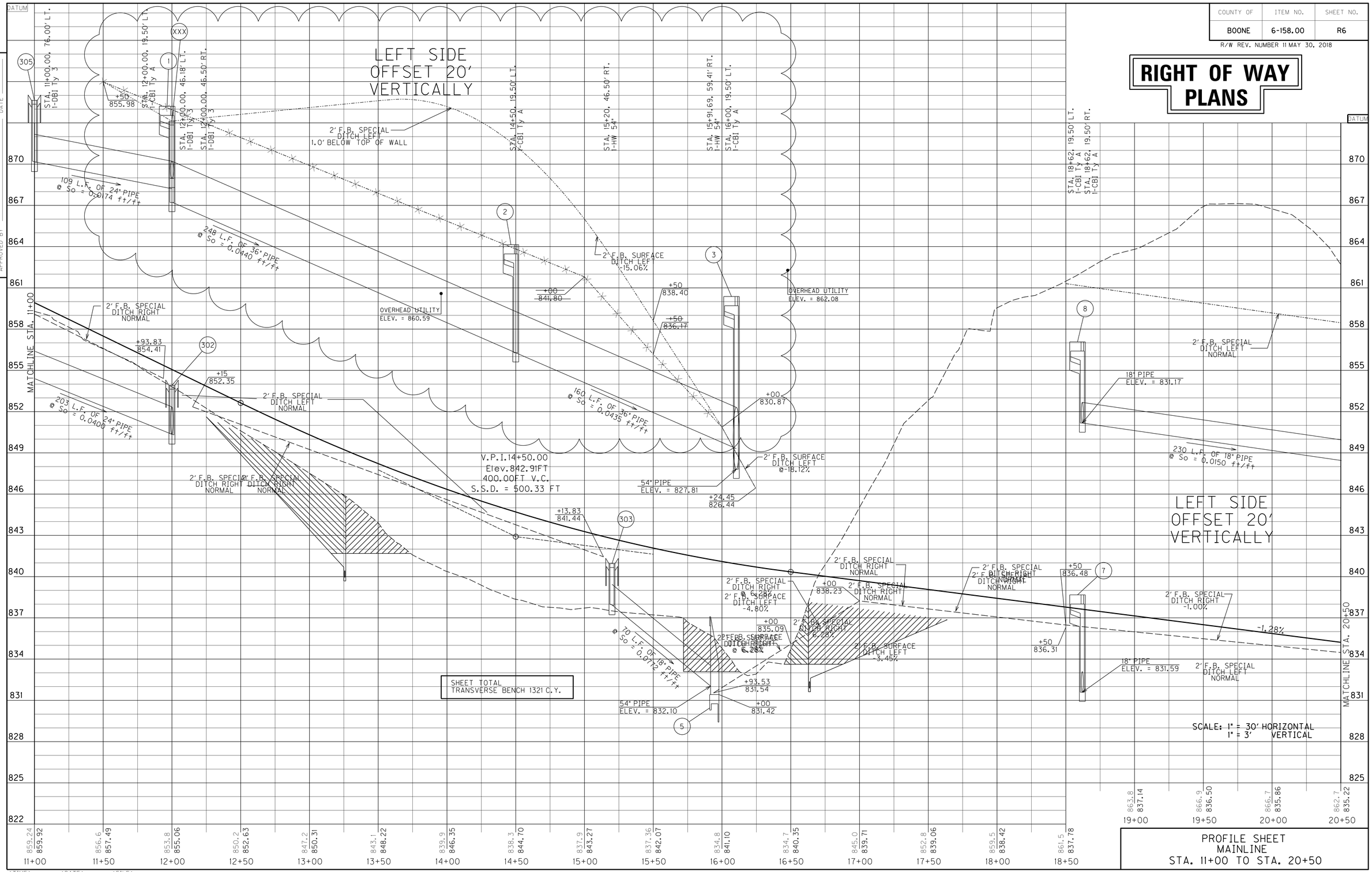
USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME: R0050ADS

$TIME$ $DATE$ $FILE$

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R6

R/W REV. NUMBER 11 MAY 30, 2018

RIGHT OF WAY PLANS



PROFILE SHEET
MAINLINE
STA. 11+00 TO STA. 20+50

PREPARED BY DATE
CHECKED BY DATE
APPROVED BY DATE

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME: R00600PF

$TIME$ $DATE$ $FILE$

RIGHT OF WAY PLANS

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

DITCH CONSTRUCTION					
	SIZE-SHAPE	LINING			
STATION	TYPE	TYPE	QUANTITY	D	T
LT 20+50 TO 21+93	2' FB SPECIAL DT	SOD	128 SY	1	
LT 27+06 TO 28+00	NORMAL DITCH	ECB	63 SY	1	

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R7

R/W REV. NUMBER 1 JANUARY 25, 2013
R/W REV. NUMBER 2 APRIL 22, 2013
R/W REV. NUMBER 3 AUGUST 14, 2013
R/W REV. NUMBER 4 AUGUST 29, 2013
R/W REV. NUMBER 5 NOVEMBER 13, 2013
R/W REV. NUMBER 6 MAY 22, 2014
R/W REV. NUMBER 9 APRIL 24, 2015
R/W REV. NUMBER 10 MAY 17, 2016

℄ KY 536 STA. 21+20 =
℄ ENTRANCE STA. 50+00

℄ KY 536 STA. 23+82.87 =
℄ OLD UNION RD. STA. 49+77.48

℄ KY 536 STA. 23+94.65 =
℄ OLD UNION RD. STA. 50+17.73

℄ KY 536 STA. 24+28.92 =
℄ OLD UNION RD. STA. 49+80.87

℄ KY 536 STA. 24+37.76 =
℄ OLD UNION RD. STA. 50+20.90

MATCHLINE - STA. 20+50

MATCHLINE - STA. 28+00

PI STA 20+83.40
Δ= 32°04'40", LT
T= 143.74'
L= 279.93'
R= 500'
E= 20.25'
e= 3.82%
Runoff= 93'
Runout= 49'

PI STA 50+85.77
Δ= 27°42'05", LT
T= 24.65'
L= 48.35'
R= 100.00'
E= 2.99'
e= N/A
Runoff= N/A
Runout= N/A

PI STA 53+40.96
Δ= 109°35'13", RT
T= 141.73'
L= 191.27'
R= 100.00'
E= 73.45'
e= N/A
Runoff= N/A
Runout= N/A

PI STA 28+50.70
Δ= 21°43'12", RT
T= 191.85'
L= 379.09'
R= 1000.00'
E= 18.24'
e= N/A
Runoff= N/A
Runout= N/A

P 20 — TERRY N.TANNER & DONNA SUE TANNER (WF)
DB 276 PG 97
DB 283 PG 134
DB 316 PG 148

P 20X — TERRY N.TANNER & DONNA SUE TANNER (WF)
DB 276 PG 97
DB 283 PG 134
DB 316 PG 148

P 23 — THOMAS J.VOLPENHEIN (MARRIED)
DB 654 PG 81

P 23X — THOMAS J.VOLPENHEIN (MARRIED)
DB 654 PG 81

P 22 — JAMES P.HARPER,SR. & JOYCE HARPER (WF)
DB 248 PG 243

P 21 — CITY OF UNION, KENTUCKY
DB 952 PG 791

P 24 — SANDMERS FOR
DB 838 PG 482

P 29 — UNION BAPTIST CHURCH
DB 838 PG 482
DB 759 PG 90
DB 296 PG 79
DB 277 PG 297
DB 149 PG 393
DB 762 PG 212
DB 435 PG 282
DB 949 PG 402
DB 959 PG 929

P 28 — CINCINNATI BELL TELEPHONE CO. (AN OHIO CORP.)
DB 521 PG 96

P 25 — ALBERT R.BARLOW & LINDA L.BARLOW (WF)
DB 186 PG 123

P 27 — LND LLC.
DB 926 PG 149

P 26 — KRISTINE A. CHESTNUT, TRUSTEE
DB 986 PG 586

For Old Union Rd. See Sheet 41.

For Entrance Profile, See Sheet R69b.
For Entrance Cross Sections, See Sheets X249-X253.

For Baseline details, See Sheet R90-R92 & R183.

SAWCUT
Lt. & Rt. Sta. 53+40.40 Old Union Rd.
Sawcut 22 L.F.

ENTRANCES								
LOCATION	WIDTH (FT)	8" CONC. ENT. PAVT.(SY)	SURF. AREA (SY)	ASP. SURF. (TONS)	ASP. BASE (TONS)	DGA (TONS)	6" CONC. ENT. PAVT.	PIPE (DIA. - LENGTH)
21+20 RT.	12	57	64	5	8	28	-	NONE

DITCH CONSTRUCTION					
	SIZE-SHAPE	LINING			
STATION	TYPE	TYPE	QUANTITY	D	T
RT 20+50 TO 20+94	2' FB SPECIAL DT	ECB	84 SY	1	
RT 21+30 TO 23+11	2' FB SURFACE DT	CL. II	178 T	1	15"
RT 26+06 TO 28+00	2' FB SPECIAL DT	SOD	172 SY	1	

END CONSTRUCTION
OLD UNION RD.
STA. 53+40.40

SCALE: 1"= 30'

MAINLINE PLAN SHEET
STA. 20+50 TO STA. 28+00

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$$file$specification$$$$
E-SHEET NAME:

$TIME$ $FILE$

RIGHT OF WAY PLANS

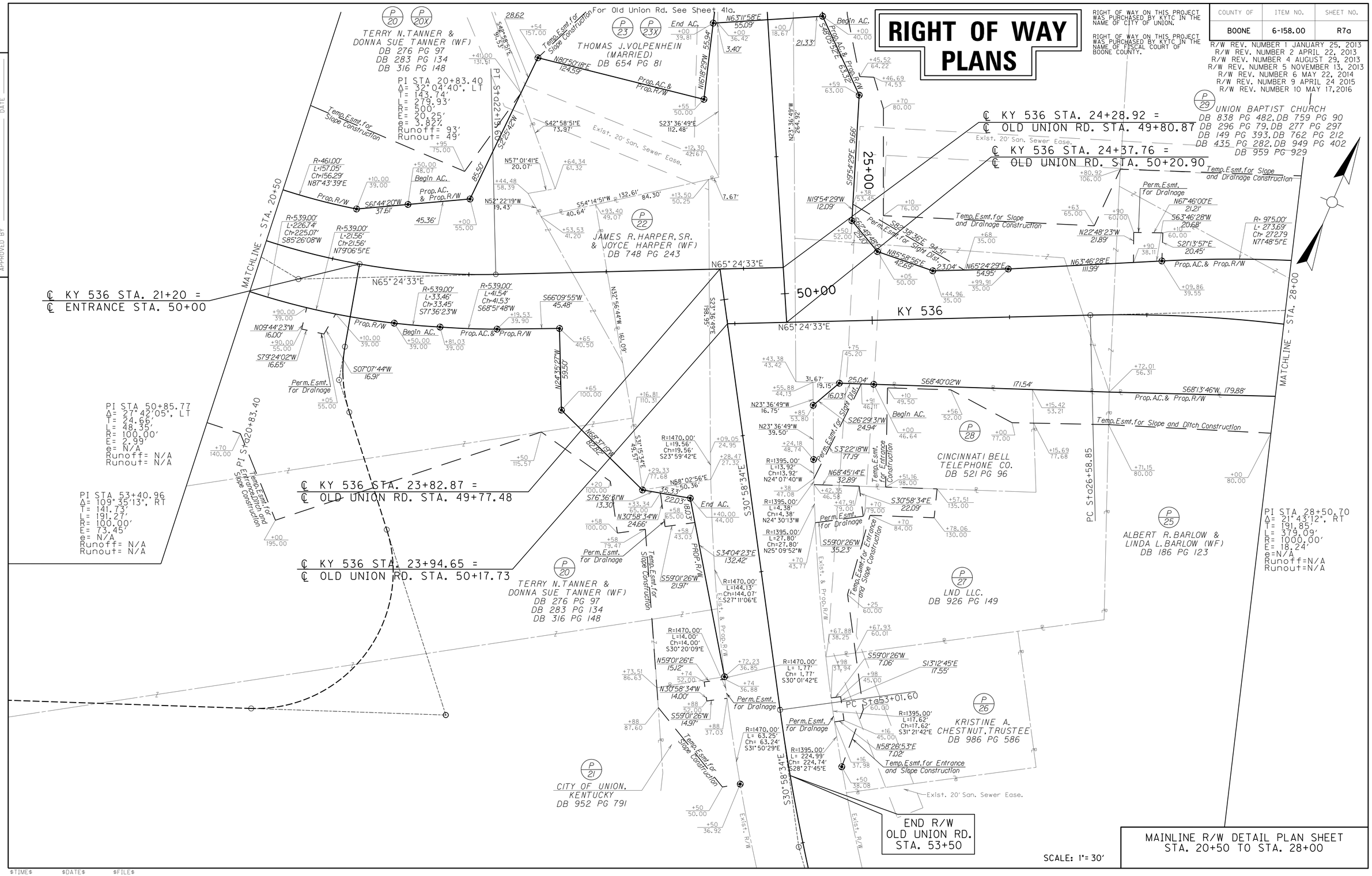
RIGHT OF WAY ON THIS PROJECT WAS PURCHASED BY KYTC IN THE NAME OF CITY OF UNION.

RIGHT OF WAY ON THIS PROJECT WAS PURCHASED BY KYTC IN THE NAME OF FISCAL COURT OF BOONE COUNTY.

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R7a

R/W REV. NUMBER 1 JANUARY 25, 2013
R/W REV. NUMBER 2 APRIL 22, 2013
R/W REV. NUMBER 4 AUGUST 29, 2013
R/W REV. NUMBER 5 NOVEMBER 13, 2013
R/W REV. NUMBER 6 MAY 22, 2014
R/W REV. NUMBER 9 APRIL 24 2015
R/W REV. NUMBER 10 MAY 17,2016

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

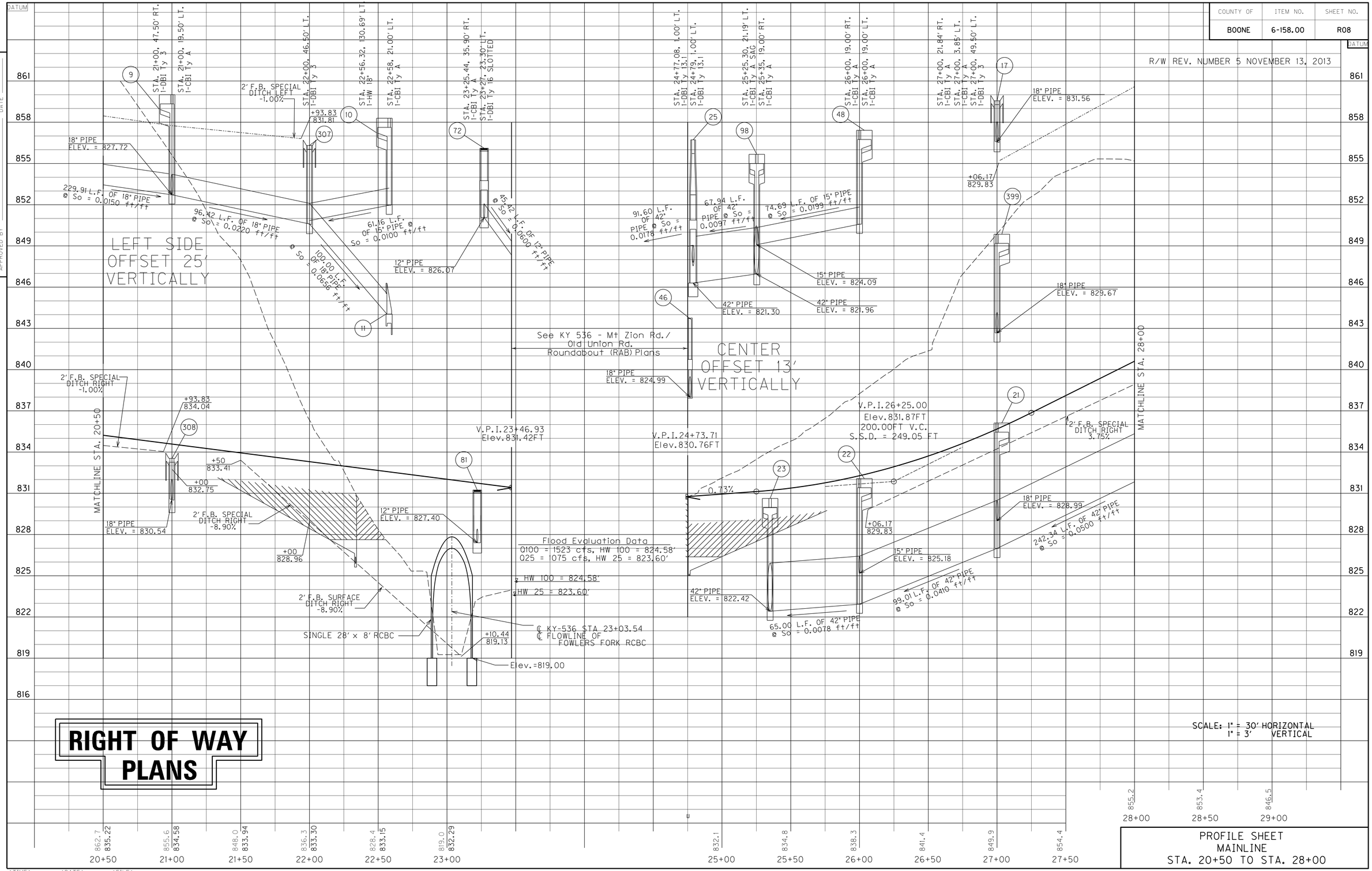


USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$TIME$ $DATE$ $FILE$

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R08

R/W REV. NUMBER 5 NOVEMBER 13, 2013



RIGHT OF WAY PLANS

PROFILE SHEET
MAINLINE
STA. 20+50 TO STA. 28+00

PREPARED BY DATE
CHECKED BY DATE
APPROVED BY DATE

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$TIME$ $DATE$ $FILE$

RIGHT OF WAY PLANS

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R9

R/W REV. NUMBER 5 NOVEMBER 13, 2013

DITCH CONSTRUCTION					
STATION	SIZE-SHAPE TYPE	LINING TYPE	LINING QUANTITY	D	T
LT 29+00 TO 29+66	NORMAL DITCH				
LT 30+50 TO 31+64	2' FB SURFACE DT				
LT 37+26 TO 38+00	2' FB SPECIAL DT				

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

WOOD SHED
WOOD BLDG.
WOOD SHEDS
WOOD SHEDS
P 29
UNION BAPTIST CHURCH
DB 838 PG 482
DB 759 PG 90
DB 296 PG 79
DB 277 PG 297
DB 149 PG 393
DB 762 PG 212
DB 435 PG 282
DB 949 PG 402
DB 959 PG 929
A/G POOL
POST
SANMH
GR.= 861.84
W INV.= 852.39
E INV.= 852.49
8" PVC
Exist. 20' San. Sewer Ease.
SAN
TP
30+00
Temp.Esmt.
Begin A.C.
End A.C.
2' SURF. DT.
Perm.Esmt. for Drainage
4" Perf. Pipe
Prop.A.C.& Prop.R/W
PI Sta 28+50.70
MATCHLINE - STA. 28+00
N87°07'45"E
42" STORM
Prop.R/W & C.A.
2' SPEC. DT.
BRUSH
STONE
18" STORM
Perm.Esmt. for Drainage
PT Sta 30+37.94
PI STA 28+50.70
Δ= 21°43'12", RT
T= 191.85'
L= 379.09'
R= 1000'
E= 18.24'
e= N/A
Runoff= N/A
Runout= N/A
P 25
ALBERT R. BARLOW & LINDA L. BARLOW (WF)
DB 186 PG 123
10092
LANDLOCKED
P 31
COLLETT FAMILY LLC
DB 946 PG 056
For Baseline details, See Sheet R90-R92 & R183.
GR.= 866.80
W INV.= 857.85
E INV.= 858.04
35+00
℄ KY 536 STA. 36+28.21 =
℄ U.S. 42 STA. 401+33.28
Prop.AC.& Prop.R/W
15" STORM
Temp.Esmt.
EX. R/W
EXIST. A.C. & Exist. R/W
2" SPEC. DT.
EXIST. A.C.S STORM
Exist. R/W
400+00
For US 42 Plan and Profile, See Sheets R43-R48.
SCALE: 1"= 30'
MATCHLINE - STA. 37+00
EXIST. A.C. & Exist. R/W
STORM
WM
WV
TEL JB
SSMH
GR.= 876.00
INV.= 870.68
GR.= 876.43
INV.= 871.88
30'
15"

DITCH CONSTRUCTION					
STATION	SIZE-SHAPE TYPE	LINING TYPE	LINING QUANTITY	D	T
RT 29+00 TO 29+50	2' FB SURFACE DT	SOD	44 SY		
RT 30+56 TO 35+50	NORMAL DITCH	SOD	439 SY		
RT 37+41 TO 38+00	NORMAL DITCH				

MAINLINE PLAN SHEET
STA. 29+00 TO STA. 38+00

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$TIME$ $FILE$

RIGHT OF WAY PLANS

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R9a

R/W REV.NUMBER 5 NOVEMBER 13 ,2013

RIGHT OF WAY ON THIS PROJECT WAS PURCHASED BY KYTC IN THE NAME OF CITY OF UNION.

RIGHT OF WAY ON THIS PROJECT WAS PURCHASED BY KYTC IN THE NAME OF FISCAL COURT OF BOONE COUNTY.

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

P 29
UNION BAPTIST CHURCH
DB 838 PG 482
DB 759 PG 90
DB 296 PG 79
DB 277 PG 297
DB 149 PG 393
DB 762 PG 212
DB 435 PG 282
DB 949 PG 402
DB 959 PG 929

LANDLOCKED

P 31
COLLETT FAMILY ,LLC
DB 946 PG 056

Exist. 20' San. Sewer Ease.

Temp.Esmt.for Slope and Ditch Construction

Temp.Esmt.for Slope and Drainage Construction

Perm.Esmt. for Drainage

Prop.AC.& Prop.R/W

EXIST. A.C. & Exist. R/W

30+00

35+00

KY 536

N87° 07'45"E

MATCHLINE - STA. 28+00

MATCHLINE - STA. 37+00

℄ KY 536 STA. 36+28.21 =
℄ U.S. 42 STA. 401+33.28

PI STA 28+50.70
Δ= 21° 43'12", RT
T= 191.85'
L= 379.09'
R= 1000'
E= 18.24'
e= N/A
Runoff= N/A
Runout= N/A

PT Sta30+37.94

P 25
ALBERT R.BARLOW &
LINDA L.BARLOW (WF)
DB 186 PG 123

P 31
COLLETT FAMILY ,LLC
DB 946 PG 056

U.S. 42

400+00

SCALE: 1"= 30'

MAINLINE R/W DETAIL PLAN SHEET STA. 28+00 TO STA. 37+00

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$TIME$ $FILE$

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R10

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

STA. 29+50, 33.10' RT.
1-CBI Ty A

STA. 30+30.08, 6.26' LT.
1-CBI Ty A

STA. 30+50, 63.00' RT.
1-OBI Ty 3

STA. 31+56.81, 98.85' LT.
1-HW 42"

STA. 32+00, 43.28' RT.
1-CBI Ty A

STA. 32+00, 8.00' LT.
1-CBI Ty A

STA. 34+00, 48.00' RT.
1-CBI Ty A

STA. 34+00, 20.00' LT.
1-CBI Ty A

STA. 34+00, 65.00' LT.
1-MH Ty A

LEFT SIDE
OFFSET 15'
VERTICALLY

15" PIPE
ELEV. = 865.52

169.94 L.F. OF 15" PIPE
@ So = 0.0280 ft/ft

18" PIPE
ELEV. = 865.27

47.92 L.F. OF 15" PIPE
@ So = 0.0621 ft/ft

V.P.I. 35+72.21
Elev. 874.06FT

V.P.I. 36+28.21
Elev. 875.18FT

℄ U.S. 42

MATCHLINE STA. 37+00

LEFT DITCH
OFFSET 20'
VERTICALLY

+00
850.67

SPECIAL "V"
DITCH
4.02%

+66
849.30

2' F.B. SURFACE
DITCH LEFT
-4.02%

+50
848.66

CENTER
OFFSET 20'
VERTICALLY

18" PIPE
ELEV. = 854.86

2' F.B. SURFACE
DITCH LEFT
-3.15%

+63.58
845.08

158.00 L.F. OF 42" PIPE
@ So = 0.0220 ft/ft

42" PIPE
ELEV. = 841.39

+56.17
851.21

18" PIPE
ELEV. = 853.80

CENTER #12
OFFSET 8'
VERTICALLY

V.P.I. 34+00.00
Elev. 870.62FT
300.00FT V.C.
S.S.D. = 509.78 FT

18" PIPE
ELEV. = 863.96

2.00%

+50
871.42

2.00%

-2.00%

34+00

NORMAL DITCH
RIGHT

18" PIPE
ELEV. = 862.60

RIGHT SIDE
OFFSET -10'
VERTICALLY

200.17 L.F. OF 18" PIPE
@ So = 0.0440 ft/ft

150.97 L.F. OF 18" PIPE
@ So = 0.0410 ft/ft

5.00%

+30
850.05

2' F.B. SURFACE
DITCH RIGHT
6.26%

+50
845.04

99.96 L.F. OF 18" PIPE
@ So = 0.0650 ft/ft

2' F.B. SURFACE
DITCH RIGHT
12.17%

+50
841.28

+85
837.13

2' F.B. SPECIAL
DITCH RIGHT
3.75%

242.34 L.F. OF 42" PIPE
@ So = 0.0500 ft/ft

MATCHLINE STA. 28+00

RIGHT OF WAY PLANS

SCALE: 1" = 30' HORIZONTAL
1" = 3' VERTICAL

875.4 874.62 — 36+00
875.6 874.74 — 36+50
879.0 874.0 — 37+00

PROFILE SHEET
MAINLINE
STA. 28+00 TO STA. 37+00

855.2	853.4	846.5	842.8	838.0	847.3	851.9	854.5	860.0	864.8	866.5	866.2	864.0	863.9 871.12	869.1 872.49	877.3 873.62
28+00	28+50	29+00	29+50	30+00	30+50	31+00	31+50	32+00	32+50	33+00	33+50	34+00	34+50	35+00	35+50

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$TIME$ $DATE$ $FILE$

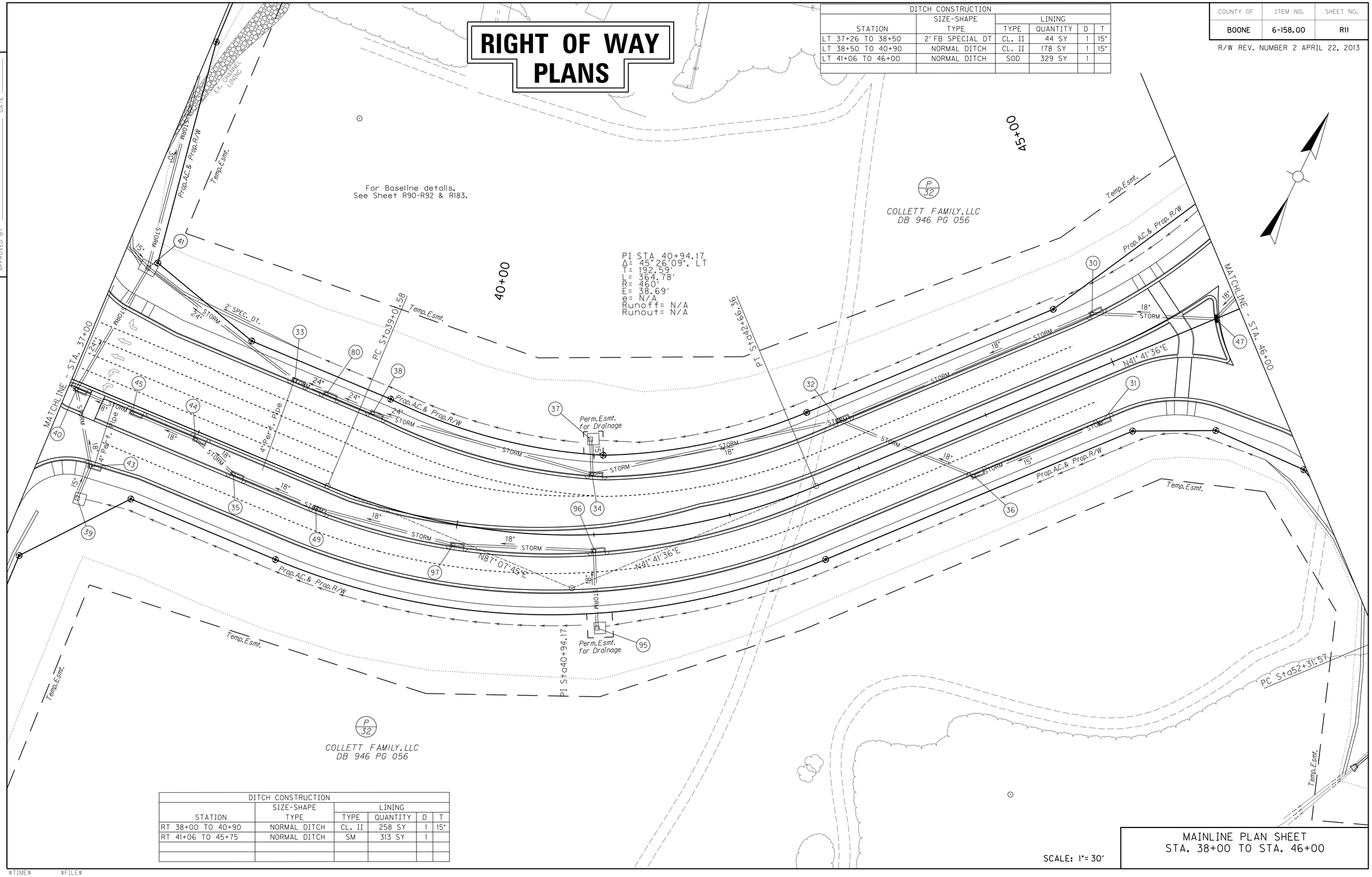
RIGHT OF WAY PLANS

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R11

R/W REV. NUMBER 2 APRIL 22, 2013

DITCH CONSTRUCTION					
	SIZE-SHAPE	LINING			
STATION	TYPE	TYPE	QUANTITY	D	T
LT 37+26 TO 38+50	2' FB SPECIAL DT	CL. II	44 SY	1	15"
LT 38+50 TO 40+90	NORMAL DITCH	CL. II	178 SY	1	15"
LT 41+06 TO 46+00	NORMAL DITCH	SOD	329 SY	1	

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____



DITCH CONSTRUCTION					
	SIZE-SHAPE	LINING			
STATION	TYPE	TYPE	QUANTITY	D	T
RT 38+00 TO 40+90	NORMAL DITCH	CL. II	258 SY	1	15"
RT 41+06 TO 45+75	NORMAL DITCH	SM	313 SY	1	

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$TIME$ $FILE$

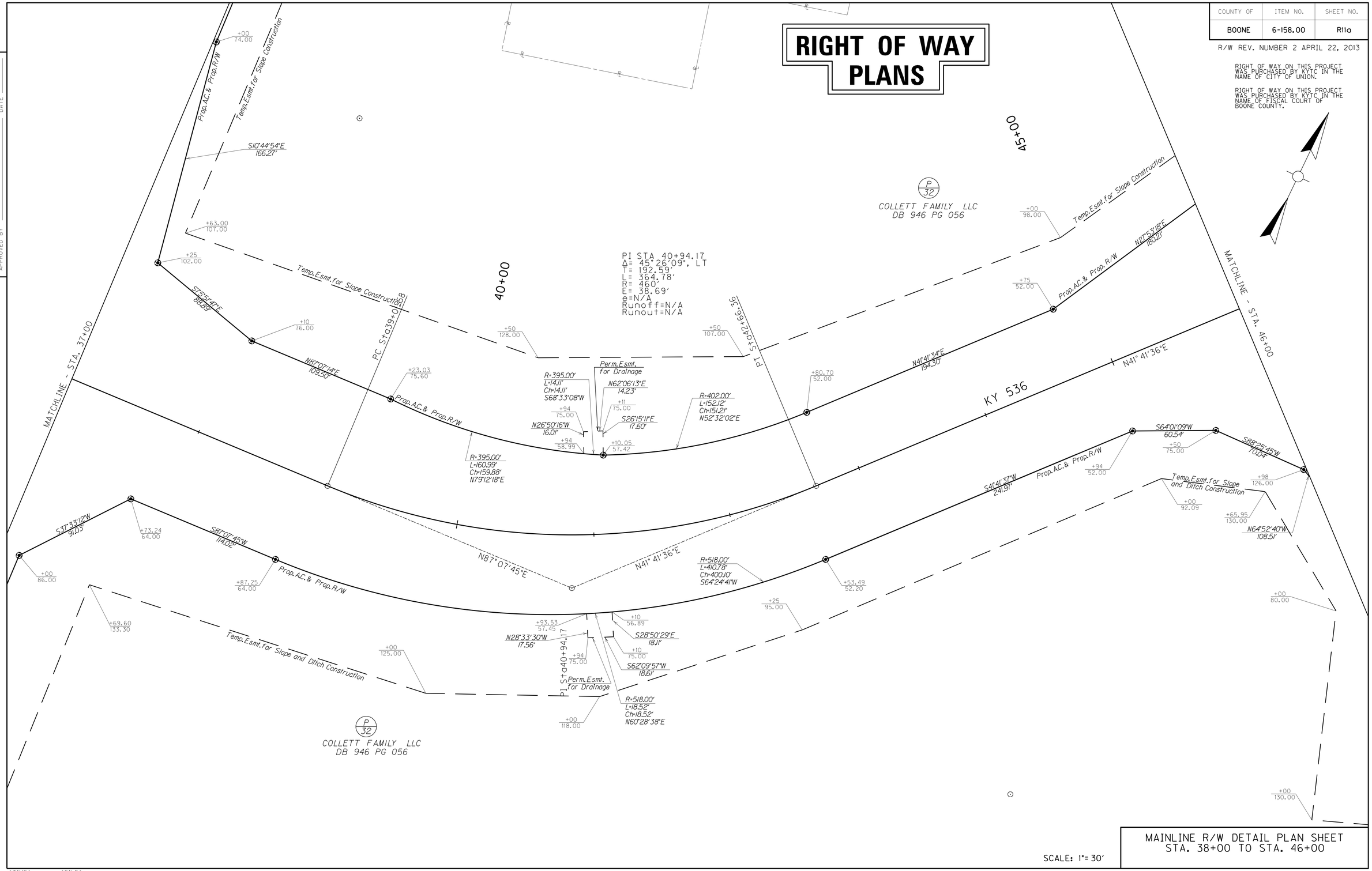
COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R11a

R/W REV. NUMBER 2 APRIL 22, 2013

RIGHT OF WAY ON THIS PROJECT WAS PURCHASED BY KYTC IN THE NAME OF CITY OF UNION.

RIGHT OF WAY ON THIS PROJECT WAS PURCHASED BY KYTC IN THE NAME OF FISCAL COURT OF BOONE COUNTY.

RIGHT OF WAY PLANS



SCALE: 1"= 30'

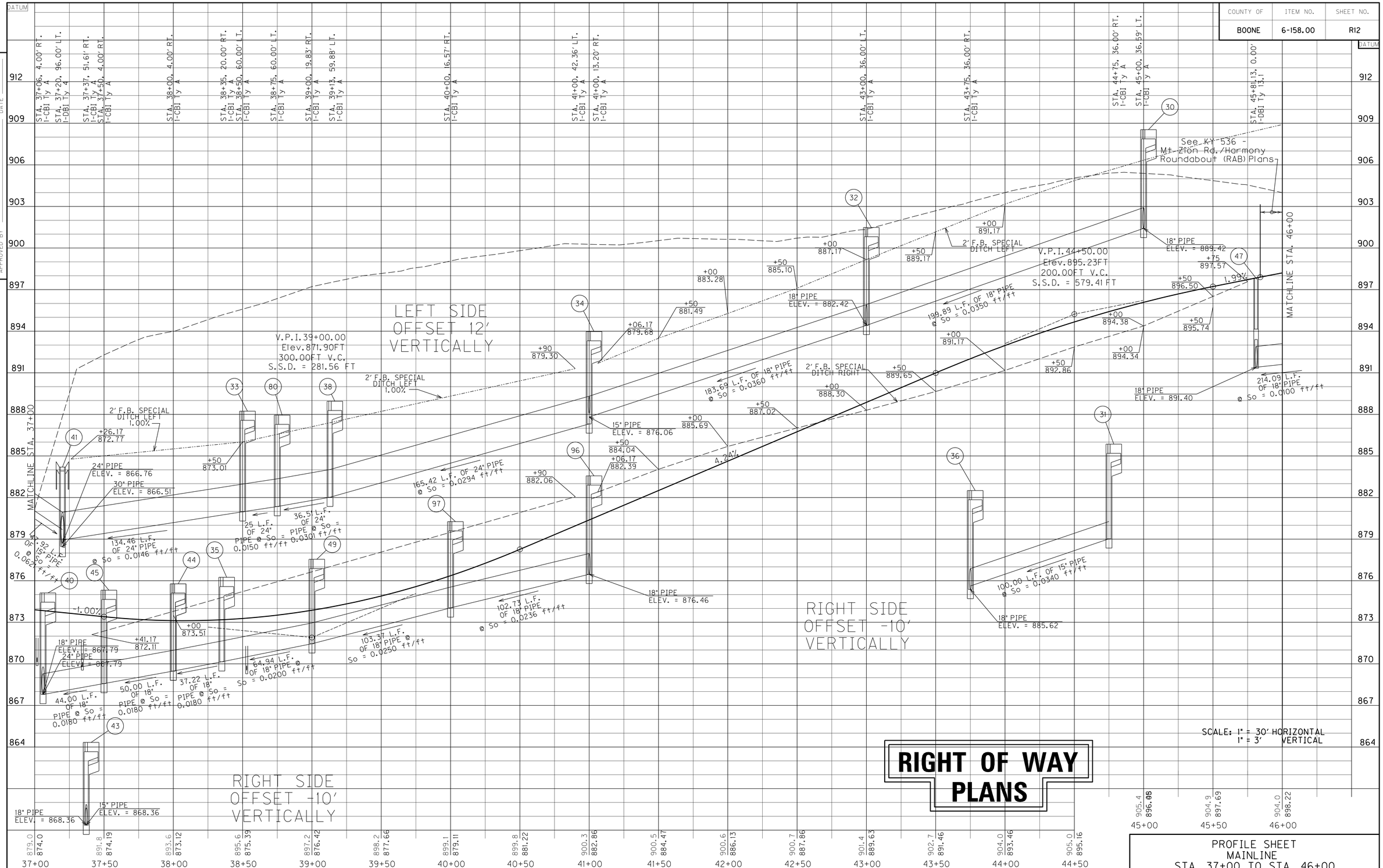
MAINLINE R/W DETAIL PLAN SHEET
STA. 38+00 TO STA. 46+00

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$TIME$ $FILE$

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R12



RIGHT OF WAY PLANS

PROFILE SHEET
MAINLINE
STA. 37+00 TO STA. 46+00

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specifications$$$$
E-SHEET NAME:

$TIME$ $DATE$ $FILE$

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R13

R/W REV. NUMBER 2 APRIL 22, 2013
R/W REV. NUMBER 3 AUGUST 14, 2013
R/W REV. NUMBER 5 NOVEMBER 13, 2013
R/W REV. NUMBER 6 MAY 22, 2014
R/W REV. NUMBER 7 AUGUST 5, 2014

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

DITCH CONSTRUCTION					
STATION	SIZE-SHAPE TYPE	LINING TYPE	LINING QUANTITY	D	T
LT 46+00 TO 47+00	NORMAL DITCH	VEG C	67 SY	1	
LT 48+50 TO 51+19	NORMAL DITCH	VEG C	179 SY	1	

℄ KY 536 STA. 47+62.85 =
℄ HARMONY STA. 49+70.00

℄ KY 536 STA. 46+59.95 =
℄ HARMONY STA. 49+70.00

℄ KY 536 STA. 47+62.25 =
℄ HARMONY STA. 50+30.02

℄ KY 536 STA. 46+70.00 =
℄ HARMONY STA. 50+30.02

℄ KY 536 STA. 52+20.00 =
℄ ENT. RD. STA. 50+00.00

℄ MT. ZION RD. NO. 1

For Mt. Zion Road No. 1 Profile See Sheet R63

MATCHLINE - STA. 46+00

MATCHLINE - STA. 54+00

ENTRANCES								
LOCATION	WIDTH (FT)	8" CONC. ENT. PAVT.(SY)	SURF. AREA (SY)	ASP. SURF. (TONS)	ASP. BASE (TONS)	DGA (TONS)	6" CONC. ENT. PAVT.	PIPE (DIA. - LENGTH)
51+14.20 LT •	19	-	40.5	3	5	9	-	NONE
51+89.48 LT •	14.6	-	92	6	11	21	-	NONE
53+24.46 LT	22.2	74	164	-	-	55	164	NONE

• STATIONING OFF MT. ZION RD. NO. 1

For Entrance Road @ 52+20 Plan, See Sheets R13b & R13c.
For Profile See Sheet R63.

SCALE: 1"= 30'

RIGHT OF WAY PLANS

MAINLINE PLAN SHEET
STA. 46+00 TO STA. 54+00

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$TIME$ $FILE$

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R13a

RIGHT OF WAY ON THIS PROJECT WAS PURCHASED BY KYTC IN THE NAME OF CITY OF UNION.

RIGHT OF WAY ON THIS PROJECT WAS PURCHASED BY KYTC IN THE NAME OF FISCAL COURT OF BOONE COUNTY.

R/W REV. NUMBER 2 APRIL 22, 2013
R/W REV. NUMBER 3 AUGUST 14, 2013
R/W REV. NUMBER 5 NOVEMBER 13, 2013
R/W REV. NUMBER 6 MAY 22, 2014
R/W REV. NUMBER 7 AUGUST 5, 2014

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

℄ KY 536 STA. 47+62.85 =
℄ HARMONY STA. 49+70.00

℄ KY 536 STA. 46+59.95 =
℄ HARMONY STA. 49+70.00

℄ KY 536 STA. 47+62.25 =
℄ HARMONY STA. 50+30.02

℄ KY 536 STA. 46+70.00 =
℄ HARMONY STA. 50+30.02

℄ KY 536
STA. 52+20.00 =
℄ ENT. RD.
STA. 50+00.00

MATCHLINE - STA. 46+00

MATCHLINE - STA. 54+00

KY 536

HARMONY

℄ MT. ZION RD. NO. 1

WILLIAM LANE DIVISION

SREESAI LLC
DB 978 PG 922

JAMES C. HOLLINGSWORTH & TAMMY L. HOLLINGSWORTH
DB 726 PG 141

BRIAN WILLIAM LANDRUM & MARY E. LANDRUM (WF)
DB 965 PG 996

LEWIS O'NEAL FOWLER & ALMA JO FOWLER (WF) & KEITH FOWLER
DB 993 PG 791

COLLETT FAMILY LLC
DB 946 PG 056

BANK OF NEW YORK MELLON
DB 1020 PG 277

ROBERT J. ALBERS (SINGLE)
DB 1853 PG 901

THE DREES COMPANY
DB 872 PG 826,
DB 914 PG 013

L. A. PROPERTIES, INC.
DB 899 PG 688

R=287.00' L=97.86' Ch=97.38' N23°35'19"W
PT Sta47+92.17
Temp.Esmt.for Slope Construction
Prop.AC. & Prop.R/W
S13°49'15"E
N60°50'30"W 60.83'
N71°33'25"E 59.93'
N71°08'34"E 108.34'
N27°53'18"E 180.21'
S48°18'24"E
S44°25'08"W 44.70'
S16°48'44"W 41.47'
Perm.Esmt. for Drainage
S13°32'49"E 24.00'
Begin AC.
N76°27'11"E
Exist. R/W
S 16°01'24"W 254.02'
PC Sta47+12.71
R=237.00' L=129.63' Ch=128.02' S29°29'26"E
S82°58'06"E 17.66'
PT Sta48+66.80
S48°18'24"E 33.20'
Temp.Esmt.for Slope Construction
S84°36'05"E 80.87'
N60°07'42"E 47.43'
End AC.
Prop.AC.& Prop.R/W
N41°41'36"E 99.56'
N41°31'59"W 137.37'
Prop.R/W
S 75°52'45"W 199.76'
Temp.Esmt. for Entrance Construction
PC Sta51+36.43
PI Sta51+46.11
PT Sta51+55.43
N75°24'22"E
S77°22'45"E
CC Sta 51+89.48
Prop.R/W
R=1820.00' L=210.44' Ch=210.32' N72°54'20"E
N76°13'05"E 8.71'
Temp.Esmt.for Slope Construction
Temp.Esmt.for Entrance Construction
S69°17'19"W 24.43'
S69°14'14"W 67.02'
Exist. & Prop. R/W
S27°42'41"E 53.48'
Prop.R/W
R=1820.00' L=53.69' Ch=53.69' N68°44'54"E
R=1820.00' L=18.54' Ch=18.54' N67°36'40"E
14.49'
Exist. R/W
N67°19'10"E 71.95'
POE Sta53+17.24
N67°19'10"E 58.64'
R=1350.00' L=184.47' Ch=184.33' S45°36'29"W
120.30'
R=1250.00' L=127.78' Ch=127.72' S44°37'18"W
Prop.R/W
PC Sta50+59.10
PC Sta50+72.36
PT Sta51+58.64
S41°47'59"E
N5°05'06"E 138.12'
N5°05'06"E 170.08'
R=1250.00' L= 57.45' Ch= 57.45' S48°52'01"W
N60°16'11"W 42.79'
N5°37'26"E 156.56' 110.70'
R=1250.00' L=222.25' Ch=221.96' S58°29'41"W
S35°24'16"W 23.30'
Temp.Esmt.for Entrance and Slope Construction
PT Sta51+13.43
S41°41'36"W 14.55'
S41°41'36"W 139.68' 72.36'
67.32' Prop.AC.& Prop.R/W
S28°18'40"W 17.83'
S16°49'01"E 93.79'
Prop.AC.& Prop.R/W
N16°52'40"W 108.51'
Prop.AC.& Prop.R/W
END AC.
BEGIN AC.
S41°41'36"W 62.00'
Temp.Esmt.for Slope and Ditch Construction
N14°31'59"W 244.23'
S5°58'27"W 242.53'
S15°13'53"W
PI Sta53+66.95
S83°40'24"E
Temp.Esmt.for Entrance Construction
S75°28'01"W 83.70'
N83°49'53"W 73.47'
S5°37'26"W 188.76'
N83°59'52"W 3.57'
PC Sta52+79.29
PI Sta54+08.75
S15°13'53"W
N5°06'06"E
Temp.Esmt.for Entrance and Slope Construction

P 32 P 37 P 39 P 40 P 56 P 41X P 41 P 38 P 38X P 45

RIGHT OF WAY PLANS

MAINLINE R/W DETAIL PLAN SHEET
STA. 46+00 TO STA. 54+00

SCALE: 1"= 30'

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$files$specification$$$$
E-SHEET NAME:

$TIME$ $DATE$ $FILE$

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R13b

R/W REV. NUMBER 7 AUGUST 5, 2014

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

℄ KY 536 STA. 52+20.00 =
℄ ENT. RD. STA. 50+00.00

For Mt. Zion Road No. 1
Profile See Sheet R63

END CONSTRUCTION
ENTRANCE RD @ 52+20
STA. 54+84.37

END R/W
ENTRANCE RD @ 52+20
STA. 54+90

For Entrance Road @ 52+20
Profile See Sheet R63

RIGHT OF WAY PLANS

SCALE: 1"= 30'

MAINLINE PLAN SHEET
APPR. RD. @ 52+20

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$TIME$ $FILE$

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R13c

R/W REV. NUMBER 7 AUGUST 5, 2014

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

℄ KY 536 STA. 52+20.00 =
℄ ENT. RD. STA. 50+00.00

For Mt. Zion Road No. 1
Profile See Sheet R63

67.32' Prop.AC. & Prop.R/W
S41°41'36"W 139.68'
End AC. +00 50.00
Temp.Esmt. +84 73.00
Temp.Esmt.for Entrance and Slope Construction +12.61 80.00
Temp.Esmt.for Slope and Ditch Construction +50 100.00
N14°31'59"W 244.23'
+00 83.00
+96.91 253.01
S75°28'01"W 83.70'
+66.48 299.54
+54.70 75.00
+40 136.00
+63.39 157.95
+72.36 50.00
+05.25 50.00
+65 50.00
+81.07 90.00
+00 30.00
+32.64 35.00
+18.74 213.11
+21.36 215.92
+75 25.00
+20 65.00
+20 25.00
+90 65.00
+90 35.00
+00 38.68
+35 45.00
+14.83 57.00
+00 80.00
+38 50.00
+71.13 114.16
24.43'
+81.16 110.49
14.49'
+50 50.00
+54.67 63.65
+00 103.89
+15 130.00
+65 110.00
+88.40 101.00
+78.54 80.12
+60 85.20
+03.67 47.11
+20.95 42.20
+89.23 25.81
+19.41 60.50
+23.32 69.13
+43.22 115.00
+52.12 54.12
+84.70 50.00
+00 108.00
+00 97.00
+46.01 15.21
+15.67 50.00
+32.35 96.10
+22.98 5.81
+14.43 46.71
+26.11 45.69
+01.95 1.79
+89.61 18.28
+69.14 50.00
+50.20 77.72
+11.31 41.63
+40.70 50.00
+81.22 18.33
+65 40.00
+01.36 45.15
+28.24 45.00
+99.55 50.00
+31.78 23.67
+65 25.11
+71.45 45.00
+65 24.89
+82.03 70.35

P 38 BANK OF NEW YORK MELLON DB 1020 PG 277

P 38X

P 32 COLLETT FAMILY LLC DB 946 PG 056

P 41 P 41X ROBERT J. ALBERS (SINGLE) DB 853 PG 901

P 40 LEWIS O'NEAL FOWLER & ALMA JO FOWLER (WF) & KEITH FOWLER DB 993 PG 791

P 56 THE DREES COMPANY DB 872 PG 826, DB 914 PG 013

P 42 RUSSELL HAMILTON & DONNA HAMILTON (WF) DB 812 PG 347

P 43

P 45 L.A. PROPERTIES, INC. DB 899 PG 688

P 46

P 47 ROBERT L. FORD & CONNIE S. FORD (WF) DB 592 PG 55

P 50 SCOTT E. SKOL (UNMARRIED) DB 952 PG 481

PC Sta50+72.36
PT Sta51+58.64
PC Sta50+59.10
PI Sta53+66.95
S5°58'27"W 242.53'
N5°05'06"E 170.08'
N83°49'53"W 23.47'
PC Sta52+79.29
PT Sta54+08.75
PI STA 53+59.87
Δ=98°54'16" LT
C=76°23'40"
T=87.67'
L=129.47'
R=75.00'
E=40.37'
PT Sta51+56.69
PC Sta50+88.30
PI STA 51+13.43
Δ=57°01'52" RT
C=57°17'45"
T=54.33'
L=99.54'
R=100.00'
E=13.81'
PI Sta51+13.43
S55°37'26"W 234.62'
Temp.Easement for Entrance and Slope Construction
N5°37'26"E 156.56'
110.70'
N5°05'06"E 138.12'
Prop.R/W
R=1250.00' L=127.78' Ch=127.72' S44°37'18"W
R=1250.00' L=57.45' Ch=57.45' S48°52'01"W
N60°16'11"W 42.79'
S20°42'41"E 53.48' Prop.R/W
R=1820.00' L=53.69' Ch=53.69' N68°44'54"E
S69°14'14"W Prop. R/W
Exist. R/W
67.02'
R=1820.00' L=18.54' Ch=18.54' N67°36'40"E
N67°19'10"E 71.95'
N67°19'10"E 58.64'
S67°19'10"W 54.64'
9.55'
R= 1350.00' L= 32.16' Ch= 32.16' N60°32'57"E
R= 3980.00' L= 34.22' Ch= 34.22' N67°04'23"E
R= 3980.00' L= 31.01' Ch= 31.01' S66°36'13"W
R= 1250.00' L= 222.25' Ch= 221.96' S58°29'41"W
R= 4020.00' L= 78.14' Ch= 78.14' N66°45'45"E
N7°29'00"W 3.53'
N66°12'20"E 79.29'
R= 1350.00' L= 101.88' Ch= 101.86' N63°23'37"E
R= 3980.00' L= 12.14' Ch= 12.14' S66°17'35"W
S66°12'20"W 88.13'
S7°29'00"E 8.75'
N6°11'07"E 37.46'
R= 1250.00' L= 68.81' Ch= 68.80' S65°09'55"W
N66°32'26"E 90.30'
S41°55'36"W 80.15'
81.10'
S0°54'11"E 5.15'
R= 20.00' L= 39.24' Ch= 33.24' S57°15'00"E
R= 1250.00' L= 56.59' Ch= 56.59' S68°02'21"W
21.62'
N0°54'11"W 106.34'
S0°54'11"E 30.22'
Temp.Esmt.for Slope Construction
Temp.Esmt.for Building Removal
Temp.Esmt.for Entrance & Slope Construction
Temp.Esmt.for Entrance Construction
Temp.Esmt.for Slope & Ditch Construction
Prop.R/W
CENTERLINE

END CONSTRUCTION ENTRANCE RD @ 52+20 STA. 54+84.37

END R/W ENTRANCE RD @ 52+20 STA. 54+90

55+00

For Entrance Road @ 52+20 Plan, See Sheet R13b
For Profile, See Sheet R63

RIGHT OF WAY PLANS

SCALE: 1"= 30'

MAINLINE R/W DETAIL PLAN SHEET
APPR. RD. @ 52+20

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$TIME$ $FILE$

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R14

R/W REV. NUMBER 2 APRIL 22, 2013
R/W REV. NUMBER 3 AUGUST 14, 2013
R/W REV. NUMBER 7 AUGUST 5, 2014

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

STA. 47+86.80, 143.02' LT.
1-CBI Ty A

STA. 48+67, 37.92' LT.
1-CBI Ty A
STA. 48+75, 35.33' RT.
1-CBI Ty A

STA. 49+30, 33.00' RT.
1-CBI Ty A
OVERHEAD UTILITY
ELEV. = 892.51

STA. 53+75, 30.50' RT.
1-CBI Ty A

LEFT SIDE OFFSET 20' VERTICALLY

LEFT SIDE OFFSET 20' VERTICALLY

+50
903.67
+00
902.80
2' F.B. SPECIAL DITCH LEFT NORMAL DEPTH

29
398

For Mt. Zion Road No. 1
Profile See Sheet R63

For Entrance Road Rt. of Sta. 52+20
Profile See Sheet R63

18" PIPE
ELEV. = 894.84

214.09 L.F.
OF 18" PIPE
@ So = 0.0100 ft/ft

130.33 L.F.
OF 18" PIPE
@ So = 0.0100 ft/ft

V.P.I. 52+50.00
Elev. 906.92FT
600.00FT V.C.
S.S.D. = 573.66 FT

℄ ENTRANCE RD.
@ STA. 52+20

2.90%

MATCHLINE STA. 54+00

See KY 536 - Mt Zion Rd./Harmony
Roundabout (RAB) Plans

MATCHLINE STA. 46+00

28
397
1.84%

+00
901.60
+50
900.90

50

18" PIPE
ELEV. = 896.20

54.91 L.F. OF 18" PIPE
@ So = 0.0100 ft/ft

170.54 L.F. OF 15" PIPE
@ So = 0.0240 ft/ft

SCALE: 1" = 30' HORIZONTAL
1" = 3' VERTICAL

924 921 918 915 912 909 906 903 900 897 894 891 888

905.9 903.26 | 908.4 903.72 | 910.1 903.81 | 911.9 904.26 | 913.54 904.53 | 914.0 904.64 | 912.1 904.58 | 911.6 904.36 | 914.1 903.97

48+50 | 49+00 | 49+50 | 50+00 | 50+50 | 51+00 | 51+50 | 52+00 | 52+50

913.7 903.42 | 913.9 902.71 | 912.6 901.83

53+00 | 53+50 | 54+00

RIGHT OF WAY PLANS

PROFILE SHEET
MAINLINE
STA. 46+00 TO STA. 54+00

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$files$specification$$$$
E-SHEET NAME:

$TIME$ $DATE$ $FILE$

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R15

R/W REV. NUMBER 2 APRIL 22, 2013
R/W REV. NUMBER 3 AUGUST 14, 2013
R/W REV. NUMBER 5 NOVEMBER 13, 2013
R/W REV. NUMBER 6 MAY 22, 2014
R/W REV. NUMBER 7 AUGUST 5, 2014
R/W REV. NUMBER 10 MAY 17, 2016

RIGHT OF WAY PLANS

DATE
DATE
DATE
PREPARED BY
CHECKED BY
APPROVED BY

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

ENTRANCES

LOCATION	WIDTH (FT)	8" CONC. ENT. PAVT.(SY)	SURF. AREA (SY)	ASP. SURF. (TONS)	ASP. BASE (TONS)	DGA (TONS)	6" CONC. ENT. PAVT.	PIPE (DIA. - LENGTH)
54+72.63 LT	18	67	129	-	-	45	129	15IN.- 44FT.
56+00.00 LT	12	57	36	-	-	21	36	15IN.-43FT.
57+00.00 LT	15	57	146	10	19	47	-	15IN.- 45FT.
51+00.00 LT•	18	47	59	4	7	14	-	NONE
48+03.00 LT••	12	38	109	8	14	25	-	STORM
60+15.00 RT	12	57	139	10	18	45	-	STORM
60+85.00 LT	12	57	113	8	14	39	-	STORM
61+65.00 LT	12	57	78	5	10	31	-	STORM

• STATIONING OFF OF GOLDEN POND
•• STATIONING OFF OF SYCAMORE

DITCH CONSTRUCTION

STATION	SIZE-SHAPE TYPE	LINING TYPE	LINING QUANTITY	D	T
LT 54+00 TO 54+55	2' FB SPECIAL DT	SOD	65 SY	1	
LT 54+97 TO 55+87	2' FB SPECIAL DT	SOD	108 SY	1	
LT 56+28 TO 56+87	2' FB SURFACE DT	SOD	73 SY	1	
LT 59+50 TO 60+50	2' FB SURFACE DT	SOD	122 SY	1	
LT 61+11 TO 61+50	2' FB SPECIAL DT	SOD	81 SY	1	
LT 61+86 TO 62+00	2' FB SPECIAL DT	SOD	16 SY	1	

DITCH CONSTRUCTION

STATION	SIZE-SHAPE TYPE	LINING TYPE	LINING QUANTITY	D	T
RT 57+50 TO 59+85	2' FB SURFACE DT	SOD	257 SY	1	
RT 60+56 TO 62+00	2' FB SURFACE DT	SOD	162 SY	1	

For Sycamore Dr. No. 1 Profile See Sheet R64

BEGIN CONSTRUCTION SYCAMORE DR. NO. 1 STA.47+20.00

SAWCUT
Lt. & Rt. Sta. 47+20 Sycamore Dr.
Sawcut 14 L.F.

PLUG PIPE
58' Lt. Sta. 48+43 Sycamore
Plug 24" PVC Pipe - 1 Each

P 40 LEWIS O'NEAL FOWLER & ALMA JO FOWLER (WF) & KEITH FOWLER DB 993 PG 791

P 56 THE DREES COMPANY DB 872 PG 826, DB 914 PG 013

P 42 RUSSELL HAMILTON & DONNA HAMILTON (WF) DB 812 PG 347

P 43 DONALD L. ZACHARY & KAREN L. PHILLIPS (BOTH SINGLE) DB 675 PG 240

P 44 ANNA MAE HORN DB 905 PG 404

P 55 KIMBERLY BATTE (SINGLE) DB 999 PG 162

P 54 ALEX ZAPATA & BRENDA ZAPATA (WF) DB 909 PG 088

P 52 P 52X KATHY A. NANTZ (SINGLE) DB 516 PG 19

P 53 GLEN FRASURE & KAREN FRASURE (WF) DB 454 PG 203

P 57 JAMES D. RICE & GERTRUDE RICE (WF) DB 140 PG 187, DB 140 PG 189

P 58 TOMMY D. RICE (UNMARRIED) DB 778 PG 225

P 46 HAROLD E. PARR, JR. & CYNTHIA L. PARR (WF) DB 674 PG 215

P 47 ROBERT L. FORD & CONNIE S. FORD (WF) DB 592 PG 55

P 45 L. A. PROPERTIES, INC. DB 899 PG 688

P 50 SCOTT E. SKOL (UNMARRIED) DB 952 PG 481

P 51 STEVEN E. RIALS & TRACEY E. RIALS (WF) DB 503 PG 9

P 65 P 65X RALPH M. ADAMS (SINGLE) DB 869 PG 123

P 66 P 66X DARLENE JEAN DUNHOFT & MARK EDWARDS DUNHOFT (HUSB) DB 781 PG 64

P 67 ROGER V. HOLT (SINGLE) DB 447 PG 29

WILLIAM LANE DIVISION

PI STA 47+50.57
Δ= 2°58'07", LT
T= 12.96'
L= 25.90'
R= 500'
E= 0.17'
e= N/A
Runoff= N/A
Runout= N/A

PC Sta47+37.61
PT Sta47+63.51

PI STA 49+18.12
Δ= 1°52'01", LT
T= 8.15'
L= 16.29'
R= 500'
E= 0.07'
e= N/A
Runoff= N/A
Runout= N/A

PC Sta49+09.98
PT Sta49+26.27

PI STA 57+45.51
Δ= 54°45'04", RT
T= 673.15'
L=1242.26'
R= 1300'
E=163.94'
e= 3.44%
Runoff= 134'
Runout= 78'

PC Sta50+88.30

PI STA 51+22.83
Δ= 19°35'27", RT
T= 34.53'
L= 68.38'
R=200'
E=2.96'
e= N/A
Runoff= N/A
Runout= N/A

PI Sta51+56.69

℄ KY 536 STA. 58+80 = ℄ SYC. DR. No.1 STA. 50+00

℄ KY 536 STA. 57+00 = ℄ GOLDEN POND DR. STA. 50+00

FRONTAGE RD. NO. 2

FRONTAGE RD. NO. 3

FRONTAGE RD. NO. 4

DIVERSION NO. 2

MATCHLINE - STA. 54+00

MATCHLINE - STA. 62+00

END CONSTRUCTION GOLDEN POND DR. STA.51+60.00

SAWCUT
Lt. & Rt. Sta. 51+60 Golden Pond Dr.
Sawcut 25 L.F.

For Golden Pond Dr. Profile See Sheet R64

SCALE: 1"= 30'

MAINLINE PLAN SHEET
STA. 54+00 TO STA. 62+00

$TIME$ $FILE$

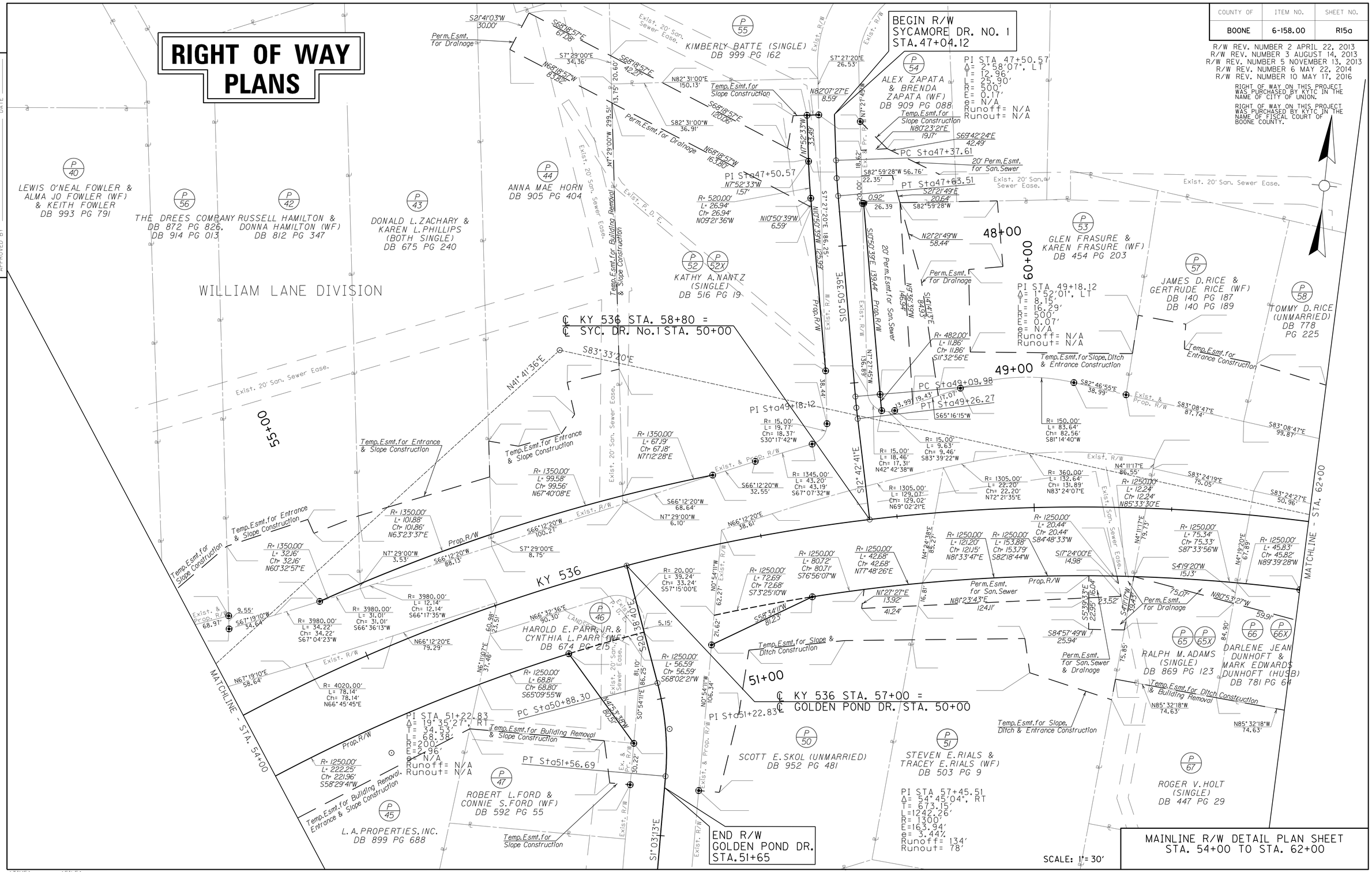
COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R15a

R/W REV. NUMBER 2 APRIL 22, 2013
R/W REV. NUMBER 3 AUGUST 14, 2013
R/W REV. NUMBER 5 NOVEMBER 13, 2013
R/W REV. NUMBER 6 MAY 22, 2014
R/W REV. NUMBER 10 MAY 17, 2016

RIGHT OF WAY ON THIS PROJECT WAS PURCHASED BY KYTC IN THE NAME OF CITY OF UNION.

RIGHT OF WAY ON THIS PROJECT WAS PURCHASED BY KYTC IN THE NAME OF FISCAL COURT OF BOONE COUNTY.

RIGHT OF WAY PLANS



MAINLINE R/W DETAIL PLAN SHEET
STA. 54+00 TO STA. 62+00

PREPARED BY DATE
CHECKED BY DATE
APPROVED BY DATE

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$TIME$ $FILE$

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R16

R/W REV. NUMBER 2 APRIL 22, 2013
R/W REV. NUMBER 3 AUGUST 14, 2013
R/W REV. NUMBER 7 AUGUST 5, 2014

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

STA. 55+50, 30.50' RT. 1-CBI Ty A
STA. 55+88.53, 58.85' LT. 1-DBI Ty 10
STA. 56+40, 30.50' RT. 1-CBI Ty A
STA. 56+85.25, 65.92' RT. 1-CBI Ty A
STA. 57+14.74, 65.92' RT. 1-CBI Ty A
STA. 57+75, 30.50' RT. 1-CBI Ty A
STA. 58+30, 30.50' RT. 1-CBI Ty A
STA. 59+00, 30.50' RT. 1-CBI Ty A
STA. 59+25, 50' LT. 1-MH Ty C
STA. 60+50, 30.50' RT. 1-CBI Ty A
STA. 61+10, 52' LT. 1-DBI Ty 15

DATUM: 927, 924, 921, 918, 915, 912, 909, 906, 903, 900, 897, 894, 891, 888, 885, 882, 879

+00 902.80
2' F.B. SPECIAL DITCH LEFT -5.08%
15" ENTRANCE PIPE @ 12.39%
+50 900.26
+50.63 900.24
+94.63 899.19
+00 899.06
2' F.B. SPECIAL DITCH LEFT -2.42%
2' F.B. SPECIAL DITCH LEFT -2.74%
+50 897.69
15" PIPE @ -0.50%
+28.87 892.58
+50 892.48
892.78
2' F.B. SURFACE DITCH LEFT -0.50%
2' F.B. SURFACE DITCH LEFT -12.15%
+86.53 888.04
15" ENTRANCE PIPE @ 8.40%
+21.36 884.26

LEFT SIDE OFFSET 20' VERTICALLY

OVERHEAD UTILITY ELEV. = 908.09

For Golden Pond Dr. & Sycamore Dr. No. 1 Profiles See Sheet R64

V.P.I. 58+50.00
Elev. 889.52 FT
600.00 FT V.C.
S.S.D. = 428.98 FT

℄ GOLDEN POND DRIVE

℄ SYCAMORE DRIVE NO. 1

2' F.B. SPECIAL DITCH LEFT NORMAL DEPTH
+50 900.39
+11.50 899.15
OVERHEAD UTILITY ELEV. = 917.21
77.99 L.F. OF 15" PIPE @ So = 0.0300 ft/ft
STA. 61+85, 52' LT. 1-DBI Ty 15
2' F.B. SPECIAL DITCH LEFT NORMAL DEPTH
+86.50 901.54
+50 893.00
2' F.B. SURFACE DITCH LEFT 5.55%
+50 887.45
192.10 L.F. OF 15" PIPE @ So = 0.0678 ft/ft
15" PIPE ELEV. = 883.57
30" PIPE ELEV. = 882.32
36" PIPE ELEV. = 881.82
OVERHEAD UTILITY ELEV. = 898.12
2' F.B. SURFACE DITCH RIGHT -1.00%
+00 891.88
+50 892.36
2' F.B. SURFACE DITCH RIGHT -0.96%
2' F.B. SURFACE DITCH RIGHT -5.44%
+50 889.16
2' F.B. SURFACE DITCH RIGHT -2.32%
15" ENTRANCE PIPE @ 76.82%
+84.50 888.34
+56.17 859.10
2' F.B. SURFACE DITCH RIGHT 6.20%
185.40 L.F. OF 18" PIPE @ So = 0.0449 ft/ft
+50 886.60
18" PIPE ELEV. = 885.89
15" PIPE ELEV. = 886.14
24" PIPE ELEV. = 883.93
30" PIPE ELEV. = 883.43
146.21 L.F. OF 24" PIPE @ So = 0.0100 ft/ft
68.26 L.F. OF 24" PIPE @ So = 0.0186 ft/ft
53.63 L.F. OF 24" PIPE @ So = 0.0150 ft/ft
65.62 L.F. OF 24" PIPE @ So = 0.0150 ft/ft
18" PIPE ELEV. = 887.49
53.75 L.F. OF 18" PIPE @ So = 0.0200 ft/ft
31.33 L.F. OF 18" PIPE @ So = 0.0150 ft/ft
87.76 L.F. OF 15" PIPE @ So = 0.0250 ft/ft
170.54 L.F. OF 15" PIPE @ So = 0.0240 ft/ft
2.90%
3.30%
59+00

MATCHLINE STA. 54+00
MATCHLINE STA. 62+00

912.6 901.83 | 910.1 900.79 | 906.7 899.59 | 902.23 898.22 | 897.5 896.90 | 893.4 895.84 | 889.1 895.04 | 888.1 894.49 | 887.9 894.20 | 888.1 894.17 | 886.9 894.40 | 884.2 894.89 | 886.6 895.64 | 889.0 896.64 | 893.3 897.90 | 897.6 899.42 | 901.8 901.07

54+00 | 54+50 | 55+00 | 55+50 | 56+00 | 56+50 | 57+00 | 57+50 | 58+00 | 58+50 | 59+00 | 59+50 | 60+00 | 60+50 | 61+00 | 61+50 | 62+00

RIGHT OF WAY PLANS

SCALE: 1" = 30' HORIZONTAL
1" = 3' VERTICAL

PROFILE SHEET
MAINLINE
STA. 54+00 TO STA. 62+00

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$TIME$ $DATE$ $FILE$

RIGHT OF WAY PLANS

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R17

R/W REV. NUMBER 2 APRIL 22, 2013
R/W REV. NUMBER 3 AUGUST 14, 2013
R/W REV. NUMBER 5 NOVEMBER 13, 2013
R/W REV. NUMBER 7 AUGUST 5, 2014

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

DITCH CONSTRUCTION

STATION	SIZE-SHAPE TYPE	LINING TYPE	LINING QUANTITY	D	T
LT. 62+00 TO 63+00	2' FB SPECIAL DT	SOD			
LT. 66+50 TO 67+00	2' FB SURFACE DT	SOD	44 SY	1	
LT. 67+00 TO 67+50	2' FB SURFACE DT	SOD	44 SY	1	

ENTRANCES

LOCATION	WIDTH (FT)	8" CONC. ENT. PAVT.(SY)	SURF. AREA (SY)	ASP. SURF. (TONS)	ASP. BASE (TONS)	DGA (TONS)	6" CONC. ENT. PAVT.	PIPE (DIA. - LENGTH)
51+25.00 RT •	12	38	16	1	2	12	-	STORM
51+60.06 RT •	12	38	4	1	1	10	-	STORM
63+21.00 LT	14	60	182	13	23	56	-	STORM
63+78.00 RT	12	57	99	-	-	36	99	STORM
64+73.00 LT	29	85	134	9	17	50	-	NONE
65+27.00 RT	12	57	189	13	23	57	-	NONE
65+35.09 LT	16	63	101	-	-	38	101	NONE
66+01.50 LT	19	68	76	5	10	33	-	NONE
66+56.00 RT	12	57	76	-	-	31	76	STORM
47+46.17 LT ••	12	35	-	-	-	8		NONE
69+81.50 RT	12	57	89	6	11	34		15IN. - 44FT.

• STATIONING OFF OF INDIAN HILL
•• STATIONING OFF OF SYCAMORE

BEGIN CONSTRUCTION
SYCAMORE DR. NO. 2
STA.47+20.00

For Sycamore Dr. No. 2
Profile See Sheet R65

℄ KY 536 STA. 62+43.16 =
℄ INDIAN HILL DR. STA. 50+00

PI STA 47+67.76
Δ= 16°19'53", LT
T= 28.70'
L= 57.01'
R= 200'
E= 2.05'
e= N/A
Runoff= N/A
Runout= N/A

PI STA 72+83.85
Δ= 28°23'47", LT
T= 328.91'
L= 644.29'
R= 1300'
E= 40.96'
e= 3.44%
Runoff= 134'
Runout= 78'

PI STA 57+45.51
Δ= 54°45'04", RT
T= 673.15'
L= 1242.46'
R= 1300'
E= 163.94'
e=3.44%
Runoff= 134'
Runout= 78'

For Indian Hill Dr.
Profile See Sheet R65

END CONSTRUCTION
INDIAN HILL DR.
STA.52+00.00

℄ KY 536 STA. 68+50 =
℄ SYC. DR. NO.2 STA. 50+00

MATCHLINE - STA. 62+00

MATCHLINE - STA. 70+00

SCALE: 1"= 30'

MAINLINE PLAN SHEET
STA. 62+00 TO STA. 70+00

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:
$TIME$ $FILE$

RIGHT OF WAY PLANS

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R17a

R/W REV. NUMBER 2 APRIL 22, 2013
R/W REV. NUMBER 3 AUGUST 14, 2013
R/W REV. NUMBER 5 NOVEMBER 14, 2013

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

BEGIN R/W SYCAMORE DR. NO. 2 STA. 47+10

RIGHT OF WAY ON THIS PROJECT WAS PURCHASED BY KYTC IN THE NAME OF CITY OF UNION.

RIGHT OF WAY ON THIS PROJECT WAS PURCHASED BY KYTC IN THE NAME OF FISCAL COURT OF BOONE COUNTY.

PI STA 57+45.51
Δ= 54°45'04", RT
T= 673.15'
L= 1242.46'
R= 1300'
E= 163.94'
e= 3.44%
Runoff= 134'
Runout= 78'

PI STA 47+67.76
Δ= 16°19'53", LT
T= 28.70'
L= 57.01'
R= 200'
E= 2.05'
e= N/A
Runoff=N/A
Runout=N/A

PI STA 72+83.85
Δ= 28°23'47", LT
T= 328.91'
L= 644.29'
R= 1300'
E= 40.96'
e= 3.44%
Runoff= 134'
Runout= 78'

℄ KY 536 STA. 62+43.16 = ℄ INDIAN HILL DR. STA. 50+00

℄ KY 536 STA. 68+50 = ℄ SYC. DR. No.2 STA. 50+00

END R/W INDIAN HILL DR. STA.52+10

P 58 — TOMMY D. RICE (UNMARRIED) DB 778 PG 225

P 59 — DENNIS H. PING & ELIZABETH ANN PING (WF) DB 230 PG 104 DB 533 PG 303

P 60 — WANDA L. KONKRIGHT (UNMARRIED) DB 855 PG 801

P 61 — BRANDON C. BOWLDS (UNMARRIED) DB 764 PG 154

P 62 — DOUGLAS PERRY & LINDA PERRY (WF) DB 350 PG 188

P 63 — MICHIELENE FERGUSON (UNMARRIED) DB 736 PG 295

P 64 — PAUL Q. PAOLETTI (UNMARRIED) DB 970 PG 183

P 66 / P 66X — DARLENE JEAN DUNHOFT & MARK EDWARDS DUNHOFT (HUSB) DB 781 PG 64

P 67 — ROGER V. HOLT (SINGLE) DB 447 PG 29

P 68 — JOSEPH GERARD KUNKEL, JR. (UNMARRIED) DB 990 PG 835

P 69 — LARRY HARPER & SHIRLEY HARPER (WF) DB 215 PG 158

P 70 — CITY OF UNION, KENTUCKY DB 472 PG 121

P 71 — STEVEN D. NUGENT & JACLYN L. NUGENT (WF) DB 975 PG 970

P 72 — STEVE GADD & TINA GADD (WF) DB 911 PG 665

P 73 — GREGORY L. BURKLO & BARBARA J. BURKLO DB 502 PG 53

P 75 — JACOB R. PARKER (UNMARRIED) DB 947 PG 756

P 87 — DENNIS J. MATHIS & BRENDA J. MATHIS (WF) DB 402 PG 69

SYCAMORE DR. NO. 2

MAINLINE - STA. 62+00

MAINLINE - STA. 70+00

SCALE: 1"= 30'

MAINLINE R/W DETAIL PLAN SHEET
STA. 62+00 TO STA. 70+00

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$$file$specification$$$$
E-SHEET NAME:

$TIME$ $FILE$

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R18

R/W REV. NUMBER 3 AUGUST 14, 2013

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

DATUM

933 930 927 924 921 918 915 912 909 906 903 900 897 894 891 888

STA. 62+41.41, 65.77' RT.
1-CBI Ty A

STA. 62+70.91, 63.06' RT.
1-CBI Ty A

STA. 63+14.62, 30.50' RT.
1-CBI Ty A

STA. 64+30, 56' RT.
1-DBI Ty 15

STA. 64+50, 30.50' LT.
1-CBI Ty A

STA. 64+50, 30.50' RT.
1-CBI Ty A

STA. 66+25, 32.17' LT.
1-CBI Ty A

STA. 66+25, 32.17' RT.
1-CBI Ty A

STA. 68+65, 50' RT.
1-MH Ty B

STA. 68+65, 60' LT.
1-MH Ty B

STA. 68+88, 30.50' LT.
1-CBI Ty A

LEFT SIDE OFFSET 20' VERTICALLY

THESE TWO OFFSET 22' VERTICALLY

℄ SYCAMORE DRIVE NO. 2

MATCHLINE STA. 70+00

MATCHLINE STA. 62+00

℄ INDIAN HILL DRIVE

For Indian Hill Dr. & Sycamore Dr. No. 2 Profiles See Sheet R65

OVERHEAD UTILITY ELEV. = 928.17

OVERHEAD UTILITY ELEV. = 924.25

+00 905.10

2' F.B. SPECIAL DITCH LEFT NORMAL DEPTH

370.28 L.F. OF 15" PIPE @ So = 0.0160 ft/ft

OVERHEAD UTILITY ELEV. = 929.98

2' F.B. SURFACE DITCH LEFT -4.72%

+00 911.68

+50 914.04

2' F.B. SURFACE DITCH LEFT -6.34%

2+50 908.51

18" PIPE ELEV. = 907.61

135.24 L.F. OF 15" PIPE @ So = 0.0300 ft/ft

36.11 L.F. OF 15" PIPE @ So = 0.2775 ft/ft

3.30%

15" PIPE ELEV. = 900.06

18" PIPE ELEV. = 899.81

15" ENTRANCE PIPE @ 3.43%

2' F.B. SURFACE DITCH RIGHT 3.51%

+58.54 916.77

2' F.B. SURFACE DITCH RIGHT 8.82%

+50 916.47

+75.84 909.93

+00 910.09

2' F.B. SPECIAL DITCH RIGHT 4.95%

+31.50 906.70

+00 906.98

2' F.B. SPECIAL DITCH RIGHT -1.00%

+28.50 906.70

31.11 L.F. OF 15" PIPE @ So = 0.0390 ft/ft

18" PIPE ELEV. = 906.96

240.66 L.F. OF 18" PIPE @ So = 0.0115 ft/ft

18" PIPE ELEV. = 904.21

+20 899.26

2' F.B. SURFACE DITCH RIGHT 6.20%

135.38 L.F. OF 15" PIPE @ So = 0.0390 ft/ft

50.88 L.F. OF 15" PIPE @ So = 0.0390 ft/ft

15" PIPE ELEV. = 895.72

188.40 L.F. OF 18" PIPE @ So = 0.0449 ft/ft

18" PIPE ELEV. = 894.21

31.48 L.F. OF 18" PIPE @ So = 0.0400 ft/ft

RIGHT OF WAY PLANS

SCALE: 1" = 30' HORIZONTAL
1" = 3' VERTICAL

62+00	62+50	63+00	63+50	64+00	64+50	65+00	65+50	66+00	66+50	67+00	67+50	68+00	68+50	69+00	69+50	70+00
901.8	903.46	906.4	909.3	911.5	913.7	915.8	917.0	917.5	912.6	910.9	907.2	905.3	906.2	909.4	910.7	913.0
901.07	902.72	904.37	906.02	907.67	909.28	910.78	912.19	913.51	914.73	915.86	916.89	917.82	918.66	919.41	920.06	920.61

PROFILE SHEET
MAINLINE
STA. 62+00 TO STA. 70+00

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$TIME$ $DATE$ $FILE$

RIGHT OF WAY PLANS

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R19

R/W REV. NUMBER 3 AUGUST 14, 2013

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$TIME$ $FILE$

GREGORY L. BURKLO & BARBARA J. BURKLO DB 502 PG 53 (P 73)

GEORGE L. ALLEN & SUN ALLEN DB 957 PG 671 (P 74)

VICTOR W. OSBORNE & RUTH A. OSBORNE (WF) DB 956 PG 552 (P 79)

ELIZABETH BOWLING (SINGLE) DB 334 PG 268 (P 80)

BERTHA R. SHEPHERD DB 202 PG 662 (P 82)

PI STA 72+83.85
Δ= 28°23'47", LT
T= 328.91'
L= 644.29'
R= 1300'
E= 40.96'
e= 3.44%
Runoff= 134'
Runout= 78'

75+00

PT STA 75+99.24

DIVERSION NO. 3

FRONTAGE RD. NO. 7

FRONTAGE RD. NO. 8

FRONTAGE RD. NO. 6

MATCHLINE - STA. 70+00

MATCHLINE - STA. 78+00

KENNETH F. SHELL & SALLY F. SHELL (WF) DB 486 PG 181 (P 76)

GEORGE L. & SUN ALLEN (H&W) DB 880 PG 968 (P 92)

KENNETH W. BRADLEY & DARLENE V. BRADLEY (WF) DB 875 PG 466 (P 77)

ROBERT L. DICKERSON & ELIZABETH A. DICKERSON (WF) DB 986 PG 107 (P 78)

ALISON THIESSEN & KENNETH THIESSEN (W&M) DB 770 PG 292 (P 85)

RICHARD M. HANSER & TRACY HANSER (WF) DB 680 PG 015 (P 93)

℄ KY 536 STA. 73+34.74 = ℄ RUSSWILL LANE STA. 50+00

51+00

52+00

S83°33'20"E

N68°02'53"E

END CONSTRUCTION
RUSSWILL LANE
STA. 52+50.00

For Russwill Lane Profile See Sheet R65

DITCH CONSTRUCTION					
STATION	SIZE-SHAPE TYPE	LINING TYPE	LINING QUANTITY	D	T
RT 70+00 TO 71+75	2' FB SURFACE DT	SOD	124 SY	1	
RT 71+75 TO 72+50	SPECIAL V DITCH	SOD	67 SY	1	

ENTRANCES

LOCATION	WIDTH (FT)	8" CONC. ENT. PAVT.(SY)	SURF. AREA (SY)	ASP. SURF. (TONS)	ASP. BASE (TONS)	DGA (TONS)	6" CONC. ENT. PAVT.	PIPE (DIA. - LENGTH)
71+41.00 LT	12	57	127	9	16	42	-	NONE
73+06.00 LT	18	67	106	-	-	40	106	NONE
50+97.65 RT •	19.9	47	106	-	-	35	106	NONE
51+18.08 LT •	20	47	51	-	-	22	51	NONE
73+49.00 LT	12	57	86••	-	-	13	-	NONE
74+70.03 LT	18	67	84	6	10	35	-	STORM
76+83.00 RT	12	57	151	10	19	48	151	NONE
77+87.11 RT	17	65	107	-	-	10	107	NONE

• STATIONING OFF OF RUSSWILL LANE
••THIS FINAL ENTRANCE WILL BE SEEDED.

SCALE: 1"= 30'

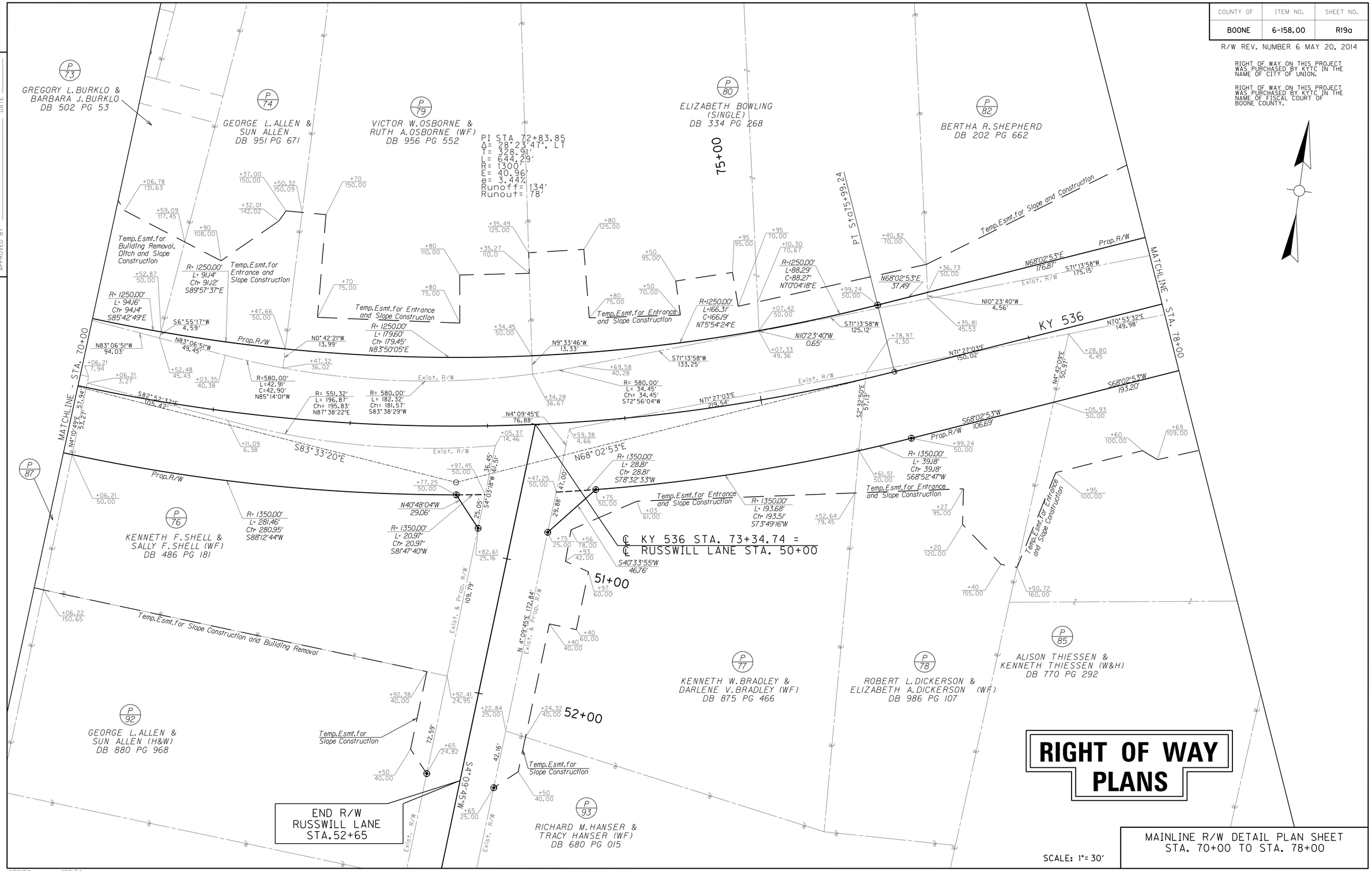
MAINLINE PLAN SHEET
STA. 70+00 TO STA. 78+00

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R19a

R/W REV. NUMBER 6 MAY 20, 2014

RIGHT OF WAY ON THIS PROJECT WAS PURCHASED BY KYTC IN THE NAME OF CITY OF UNION.

RIGHT OF WAY ON THIS PROJECT WAS PURCHASED BY KYTC IN THE NAME OF FISCAL COURT OF BOONE COUNTY.



RIGHT OF WAY PLANS

MAINLINE R/W DETAIL PLAN SHEET
STA. 70+00 TO STA. 78+00

SCALE: 1"= 30'

PREPARED BY DATE
CHECKED BY DATE
APPROVED BY DATE

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$TIME$ $FILE$

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R20

R/W REV. NUMBER 3 AUGUST 14, 2013

PREPARED BY DATE
CHECKED BY DATE
APPROVED BY DATE

STA. 70+25, 30.50' LT.
1-CB1 Ty A

STA. 73+03.48, 53.95' RT.
1-DB1 Ty 13

STA. 73+34.62, 56.75' RT.
1-DB1 Ty 13

STA. 73+75, 30.50' LT.
1-CB1 Ty A

STA. 75+00, 30.50' LT.
1-CB1 Ty A

STA. 76+40, 30.50' LT.
1-CB1 Ty A

OVERHEAD UTILITY
ELEV. = 946.26

OVERHEAD UTILITY
ELEV. = 941.19

OVERHEAD UTILITY
ELEV. = 934.90

LEFT SIDE
OFFSET 15'
VERTICALLY

83

102

103

104

18" PIPE
ELEV. = 915.72

3.30%

135.24 L.F. OF 15" PIPE @ So = 0.0300 ft/ft

For Russwill Lane Profile
See Sheet R65

121.86 L.F. OF 18" PIPE @ So = 0.0050 ft/ft

137.50 L.F. OF 18" PIPE @ So = 0.0200 ft/ft

260.00 L.F. OF 18" PIPE @ So = 0.0200 ft/ft

V.P.I. 72+00.00
Elev. 934.07FT
1600.00FT V.C.
S.S.D. = 752.40 FT

+75
921.86

+50
922.82

100

101

℄ RUSSWILL LANE

2' F.B. SURFACE
DITCH RIGHT
3.62%

SPECIAL "V"
DITCH RIGHT
1.42%

+50
920.08

+00.26
918.28

MATCHLINE STA. 70+00

82.59 L.F. OF 18" PIPE @ So = 0.0100 ft/ft

18" PIPE
ELEV. = 917.06

MATCHLINE STA. 78+00

942 939 936 933 930 927 924 921 918 915 912 909 906 903 900 897 894 891 888

913.0 920.61 — 70+00
914.3 921.07 — 70+50
915.1 921.43 — 71+00
915.8 921.70 — 71+50
917.6 921.87 — 72+00
920.06 921.95 — 72+50
920.9 921.93 — 73+00
922.1 921.82 — 73+50
922.1 921.61 — 74+00
921.9 921.31 — 74+50
920.9 920.91 — 75+00
919.2 920.41 — 75+50
917.5 919.82 — 76+00
915.8 919.14 — 76+50
915.1 918.36 — 77+00
914.3 917.48 — 77+50
912.5 916.51 — 78+00

RIGHT OF WAY PLANS

SCALE: 1" = 30' HORIZONTAL
1" = 3' VERTICAL

PROFILE SHEET
MAINLINE
STA. 70+00 TO STA. 78+00

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$TIME$ $DATE$ $FILE$

RIGHT OF WAY PLANS

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R21

R/W REV. NUMBER 2 APRIL 22, 2013
R/W REV. NUMBER 5 NOVEMBER 13, 2013
R/W REV. NUMBER 6 MAY 22, 2014

DITCH CONSTRUCTION					
	SIZE-SHAPE	LINING			
STATION	TYPE	TYPE	QUANTITY	D	T
LT 82+50 TO 86+94	2' FB SPECIAL DT				

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

P 82 BERTHA R. SHEPHERD DB 202 PG 662

P 83 ALFRED L. GAMBILL & MARY E. GAMBILL (BROTHER & SISTER) DB 240 PG 33

P 83X

P 84 ALFRED L. GAMBILL & BONILEE F. GAMBILL (H&W) DB 178 PG 415

P 85 ALISON THIESSON & KENNETH THIESSEN (W&H) DB 770 PG 292

P 86 JOCELYN HALTERMON & RICHARD HALTERMON (W&H) DB 770 PG 288 DB 346 PG 121

P 89 CECIL PETERS & SHIRLEY PETERS (WF) DB 861 PG 885

P 90 GARNETTE LOUISE MAGEE DB 166 PG 489

P 94 KEITH A. SCIARRA (UNMARRIED) DB 989 PG 769

P 95 CHRISTOPHER P. MAYLEBEN & SARAH C. MAYLEBEN (WF) DB 987 PG 866

P 96 THOMAS W. BECHTOL & TINA M. BECHTOL (WF) DB 949 PG 717

P 97 DILIPKUMAR J. PATEL & RANJANBEN D. PATEL (WF) DB 1015 PG 845

P 111 ERPENBECK INVESTMENT PROPERTIES LLC. DB 914 PG 620

80+00

85+00

FRONTAGE RD. NO. 9

FRONTAGE RD. NO. 8

MATCHLINE - STA. 78+00

MATCHLINE - STA. 87+00

TEMP. CONN.

HAMPSHIRE

Rt. Sta. 83+82.29 Construct 6-4' wide concrete steps with 8.5 L.F. Handrail Type A 1.6 C.Y. Conc. Class A for Steps and 2.3 S.Y. Sidewalk, 4" Concrete

PT Sta 52+73.53

ENTRANCES								
LOCATION	WIDTH (FT)	8" CONC. ENT. PAVT.(SY)	SURF. AREA (SY)	ASP. SURF. (TONS)	ASP. BASE (TONS)	DGA (TONS)	6" CONC. ENT. PAVT.	PIPE (DIA. - LENGTH)
80+00.00 LT	12	57	175	-	-	53	175	STORM
80+65.00 RT	16	63	100	-	-	42	100	NONE
83+31.00 LT	16	63	83	-	-	34	83	STORM
85+43.00 LT	12	57	90	6	11	34	-	15IN. - 32FT.

SCALE: 1"= 30'

MAINLINE PLAN SHEET
STA. 78+00 TO STA. 87+00

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$files$specification$$$$
E-SHEET NAME:

$TIME$ $FILE$

RIGHT OF WAY PLANS

RIGHT OF WAY ON THIS PROJECT WAS PURCHASED BY KYTC IN THE NAME OF CITY OF UNION.

RIGHT OF WAY ON THIS PROJECT WAS PURCHASED BY KYTC IN THE NAME OF FISCAL COURT OF BOONE COUNTY.

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R21a

R/W REV. NUMBER 2 APRIL 22, 2013
R/W REV. NUMBER 5 NOVEMBER 13, 2013
R/W REV. NUMBER 6 MAY 22, 2014

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

P 82 BERTHA R. SHEPHERD DB 202 PG 662

P 83 ALFRED L. GAMBILL & MARY E. GAMBILL (BROTHER & SISTER) DB 240 PG 33

P 83X

P 84 ALFRED L. GAMBILL & BONILEE F. GAMBILL (H&W) DB 178 PG 415

P 85 ALISON THIESSEN & KENNETH THIESSEN (W&H) DB 770 PG 292

P 86 JOCELYN HALTERMON & RICHARD HALTERMON (W&H) DB 770 PG 288 DB 346 PG 121

P 89 CECIL PETERS & SHIRLEY PETERS (WF) DB 861 PG 885

P 90 GARNETTE LOUISE MAGEE DB 166 PG 489

P 94 KEITH A. SCIARRA (UNMARRIED) DB 989 PG 769

P 95 CHRISTOPHER P. MAYLEBEN & SARAH C. MAYLEBEN (WF) DB 987 PG 866

P 96 THOMAS W. BECHTOL & TINA M. BECHTOL (WF) DB 949 PG 717

P 97 DILIPKUMAR J. PATEL & RANJANBEN D. PATEL (WF) DB 1015 PG 845

P 111 ERPENBECK INVESTMENT PROPERTIES LLC. DB 914 PG 620

P 113 THE DREES COMPANY DB 874 PG 056

MATCHLINE - STA. 78+00

MATCHLINE - STA. 87+00

80+00

85+00

KY 536

N68°02'53"E

Prop.R/W

Exist. R/W

Temp.Esmt.for Slope Construction and Building Removal

Temp.Esmt.for Entrance and Slope Construction

Temp.Esmt.for Slope Construction

Exist. & Prop. R/W

Exist. 20' San. Sewer Esmt.

Exist. 10 ft. Sidewalk Esmt.

Exist. H0A Open Space Landscape & Sidewalk Esmt.

Exist. 20' Storm Sewer & Safety Swale Esmt.

Exist. 15' Util. Ease.

Exist. San. Sewer Esmt.

HAMPSHIRE

N10°23'40"E 182.39

N86°05'20"E 136.30

S4°50'40"W 182.90

S10°23'40"E 14.49

N68°02'53"E 97.21'

S71°13'58"W 44.06'

N4°50'40"E 20.74'

R= 1480.00' L= 46.81' Ch= 46.81' S70°19'36"W

N68°02'53"E 270.56'

R= 1480.00' L= 217.00' Ch= 216.80' S65°13'12"W

S61°01'11"W 63.84'

N61°01'11"E 50.07'

N61°01'11"E 65.83'

R= 3580.00' L= 136.44' Ch= 136.43' S59°55'40"W

N60°48'20"E 298.04'

N58°01'03"E 98.68'

R= 3580.00' L= 175.47' Ch= 175.46' S57°25'55"W

R= 8980.00' L= 43.79' Ch= 43.79' S55°53'17"W

N56°24'30"E 125.30'

R= 5353.13' L= 54.75' Ch= 54.75' S55°06'58"W

S34°35'54"E 9.14'

N55°37'08"E 38.13'

N70°53'32"E 149.98'

N68°09'51"E 114.51'

N59°59'37"E 126.96'

N4°24'35"E 62.63'

R= 62.07'

N68°10'55"E 22.15'

N19°34'07"W 38.09'

S68°02'53"W 193.23'

S68°02'53"W 214.19'

S69°05'59"W 634.63'

Prop.R/W 142.86'

+50.14 228.69

+79.74 186.48

+25.87 110.00

+32.02 92.00

+45.64 64.52

+74.69 59.25

+10.81 50.00

+01.46 31.49

+13.60 50.00

+10.70 35.80

+54.69 33.35

+00 61.50

+92 150.00

+40 130.00

+26 109.00

+25 61.50

+18 42.19

+40.91 5.61

+81.36 50.00

+31.05 56.13

+41.06 75.00

+00 100.00

+00 80.00

+50 85.00

+50 105.00

+31.45 83.45

+34.41 103.46

+10 120.00

+36.58 43.19

+33.75 60.37

+97.98 135.00

+03.91 115.78

+44.71 133.92

+46.71 125.00

+56.47 85.65

+93.71 93.86

+98.07 146.17

+78.59 111.89

+00.74 11.94

+15.21 12.18

+99.16 50.00

+13.35 50.00

+00.97 75.00

+11.77 53.19

+84.19 54.52

+95.36 74.99

+75.76 58.03

+75.45 74.96

+77.17 61.73

+76.66 77.90

+10 100.00

+05 110.00

+97.08 100.00

+55.00 100.00

+45 75.00

+15 125.00

SCALE: 1"= 30'

MAINLINE R/W DETAIL PLAN SHEET
STA. 78+00 TO STA. 87+00

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$TIME$ $FILE$

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R22

DATUM

927 / 924 / 921 / 918 / 915 / 912 / 909 / 906 / 903 / 900 / 897 / 894 / 891 / 888 / 885 / 882

LEFT SIDE OFFSET 15' VERTICALLY

OVERHEAD UTILITY ELEV. = 936.14 10 FT ABOVE DATUM

OVERHEAD UTILITY ELEV. = 928.58

OVERHEAD UTILITY ELEV. = 927.01

OVERHEAD UTILITY ELEV. = 933.78 10 FT ABOVE DATUM

106 — STA. 79+00, 30.50' LT. 1-CB1 Ty A; STA. 79+00, 30.50' RT. 1-CB1 Ty A

108 — STA. 81+50, 30.50' LT. 1-CB1 Ty A; STA. 81+50, 30.50' RT. 1-CB1 Ty A

109 — STA. 83+50, 30.50' LT. 1-CB1 Ty A; STA. 83+50, 30.50' RT. 1-CB1 Ty A

111 — STA. 85+75, 30.50' LT. 1-CB1 Ty A; STA. 85+75, 41.50' RT. 1-CB1 Ty A

STA. 86+86, 30.50' LT. 1-CB1 Ty A; STA. 87+00, 58.5' LT. 1-DB1 Ty 3; STA. 87+00, 30.50' RT. 1-CB1 Ty A

105 — 18" PIPE ELEV. = 907.76

107 — 18" PIPE ELEV. = 900.95

110 — 18" PIPE ELEV. = 895.35

112 — 15" PIPE ELEV. = 885.14; 18" PIPE ELEV. = 884.89; 24" PIPE ELEV. = 884.39

113 — 15" PIPE ELEV. = 885.80; 18" PIPE ELEV. = 885.55

114

129

18" PIPE ELEV. = 905.95

18" PIPE ELEV. = 900.30

18" PIPE ELEV. = 894.70

24" PIPE ELEV. = 894.20

260 L.F. OF 18" PIPE @ So = 0.0200 ft/ft

250.00 L.F. OF 18" PIPE @ So = 0.0226 ft/ft

200.00 L.F. OF 18" PIPE @ So = 0.0280 ft/ft

225.00 L.F. OF 24" PIPE @ So = 0.0258 ft/ft

111.00 L.F. OF 24" PIPE @ So = 0.0361 ft/ft

125.00 L.F. OF 15" PIPE @ So = 0.0254 ft/ft

-2.80%

2' F.B. SPECIAL DITCH LEFT NORMAL DEPTH

+50 900.18

+29 895.17

+61 894.27

+93.83 890.56

MATCHLINE STA. 78+00

MATCHLINE STA. 87+00

SCALE: 1" = 30' HORIZONTAL
1" = 3' VERTICAL

	78+00	78+50	79+00	79+50	80+00	80+50	81+00	81+50	82+00	82+50	83+00	83+50	84+00	84+50	85+00	85+50	86+00	86+50	87+00
	912.5	911.8	911.8	912.3	911.8	910.5	909.6	909.7	908.3	907.2	906.7	906.9	905.8	905.0	903.1	900.8	898.1	895.6	892.5
	916.51	915.44	914.28	913.03	911.67	910.27	908.87	907.47	906.07	904.67	903.27	901.87	900.47	899.07	897.67	896.27	894.87	893.47	892.07

PROFILE SHEET
MAINLINE
STA. 78+00 TO STA. 87+00

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

RIGHT OF WAY PLANS

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$TIME$ $DATE$ $FILE$

RIGHT OF WAY PLANS

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R23

R/W REV. NUMBER 1 JANUARY 25, 2013
R/W REV. NUMBER 2 APRIL 22, 2013
R/W REV. NUMBER 3 AUGUST 14, 2014
R/W REV. NUMBER 5 NOVEMBER 13, 2013
R/W REV. NUMBER 6 MAY 22, 2014

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

For Wetherington Blvd. Plan & Profile See Sheets R51-R52

For Mt. Zion Rd. No. 2 Plan & Profile See Sheets R53-R54

For Pembroke Dr. Plan & Profile See Sheets R51-R52

℄ WETH. BLVD. STA.48+67.06 = ℄ MT. ZION RD. NO. 2 STA. 50+00

℄ KY 536. STA.87+72.49 = ℄ WETH. BLVD. STA. 50+00 = ℄ PEMB. DR. STA. 50+00

MATCHLINE - STA. 87+00

MATCHLINE - STA. 96+00

END CONSTRUCTION PEMBROKE DR. STA.52+60

MAINLINE PLAN SHEET STA. 87+00 TO STA. 96+00

SCALE: 1"= 30'

ERPENBECK INVESTMENT PROPERTY LLC DB 914 PG 620 (P 111)

ERPENBECK INVESTMENT PROPERTY LLC DB 914 PG 620 (P 112)

RAYMOND D.HENSLEY & BETTYE L.HENSLEY (WF) DB 847 PG 328 (P 137)

DANN C.FOX & ELIZABETH A.FOX (WF) DB 842 PG 507 (P 136)

THE DREES COMPANY DB 874 PG 56 (P 113)

DILIPKUMAR J.PATEL & RANJANBEN D.PATEL (WF) DB 1015 PG 845 (P 97)

JEFFREY T.WANDELL & TAMI L.WANDELL (WF) DB 905 PG 486 (P 98)

NATHAN W.& KIMBERLY A.FORMAN DB 905 PG 701 (P 99)

MARK R.HEALY & LEISA A.HEALY (WF) DB 922 PG 880 (P 100)

ROBERT T.KENKEL & VALERIE A.KENKEL (WF) DB 913 PG 394 (P 101)

MATTHEW A.KREMER & MELISSA M.KREMER (WF) DB 922 PG 727 (P 102)

DAN B.LINDEMAN II (UNMARRIED) DB 928 PG 938 (P 103)

MICHAEL W.PAUCIULO & EMILIE S.PAUCIULO (WF) DB 976 PG 597 (P 104)

BRETT M.BACHMEN & SHERI M.BACHMEN (WF) DB 975 PG 495 (P 105)

PI STA 95+34.08
Δ= 43°16'19" RT
T= 407.19'
L= 810.74'
R= 3500'
E= 23.61'
e= 2.19%
Runoff= 135'
Runout= 123'
Runoff= 86'
Runout= 79'

DITCH CONSTRUCTION					
STATION	SIZE-SHAPE TYPE	LINING TYPE	QUANTITY	D	T
RT 90+38 TO 92+00	2' FB SURFACE DT	CL. III	144 SY	1	24"
RT 92+00 TO 92+50	2'FB SURFACE DT	CL. III	44 SY	1	24"
RT 92+50 TO 94+00	2'FB SURFACE DT	CL. III	133 SY	1	24"
RT 94+00 TO 94+50	2' FB SURFACE DT	CL. III	44 SY	1	24"
RT 94+50 TO 96+00	2' FB SPECIAL DT	CL. III	133 SY	1	24"

ENTRANCES								
LOCATION	WIDTH (FT)	8" CONC. ENT. PAVT.(SY)	SURF. AREA (SY)	ASP. SURF. (TONS)	ASP. BASE (TONS)	DGA (TONS)	6" CONC. ENT. PAVT.	PIPE (DIA. - LENGTH)
51+35.09 LT •	12	37				13	17	IN.- FT.

• STATIONING OFF OF PEMBROKE

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$TIME$ $FILE$

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R23a

RIGHT OF WAY PLANS

R/W REV. NUMBER 2 APRIL 22, 2013
R/W REV. NUMBER 6 MAY 22, 2014

RIGHT OF WAY ON THIS PROJECT WAS PURCHASED BY KYTC IN THE NAME OF CITY OF UNION.

RIGHT OF WAY ON THIS PROJECT WAS PURCHASED BY KYTC IN THE NAME OF FISCAL COURT OF BOONE COUNTY.

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

SEE MT. ZION RD. NO. 2 R/W DETAIL PLAN SHEET 53a.

℄ WETH. BLVD. STA.48+67.06 =
℄ MT. ZION RD. NO. 2 STA. 50+00

℄ KY 536. STA.87+72.49 =
℄ WETH. BLVD. STA. 50+00 =
℄ PEMB. DR. STA. 50+00

KY 536

MATCHLINE - STA. 87+00

MATCHLINE - STA. 96+00

END R/W
PEMBROKE DR.
STA.52+73.59

PI STA 95+34.08
= 13°16'19", RT
T= 407.19'
L= 810.74'
R= 3500'
E= 23.61'
D= 2.19°
Runoff= 135'
Runout= 123'
Runoff= 86'
Runout= 79'

THE DREES COMPANY
DB 874 PG 56

DILIPKUMAR J. PATEL &
RANJANBEN D. PATEL (WF)
DB 1015 PG 845

JEFFREY T. WANDELL &
TAMI L. WANDELL (WF)
DB 905 PG 486

NATHAN W. FORMAN &
KIMBERLY A. FORMAN
DB 905 PG 701

MARK R. HEALY &
LEISA A. HEALY (WF)
DB 922 PG 880

ROBERT T. KENKEL &
VALERIE A. KENKEL (WF)
DB 913 PG 394

MATTHEW A. KREMER &
MELISSA M. KREMER (WF)
DB 922 PG 727

DAN B. LINDEMAN II
(UNMARRIED)
DB 928 PG 938

MICHAEL W. PAUCIULO &
EMILIE S. PAUCIULO (WF)
DB 976 PG 597

BRETT M. BACHMEN &
SHERI M. BACHMEN (WF)
DB 975 PG 495

MAINLINE R/W DETAIL PLAN SHEET
STA. 87+00 TO STA. 96+00

SCALE: 1"= 30'

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$TIME$ $FILE$

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R24

DATUM

R/W REV. NUMBER 3 AUGUST 14, 2013

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

STA. 87+00, 58.5' LT.
1-DBI Ty 3
STA. 87+00, 30.50' RT.
1-CBI Ty A

For Pembroke Dr. &
Wetherington Blvd. Profile
See Sheet R52

STA. 89+50, 41.50' LT.
1-CBI Ty A

STA. 90+00, 41.50' LT.
1-CBI Ty A

STA. 90+00, 30.50' RT.
1-CBI Ty A

STA. 91+00, 30.50' RT.
1-CBI Ty A

STA. 92+00, 4.50' LT.
1-CBI Ty A

STA. 92+00, 30.50' RT.
1-CBI Ty A

STA. 92+45, 4.50' LT.
1-CBI Ty A

STA. 92+45, 30.50' RT.
1-CBI Ty A

STA. 92+90, 4.50' LT.
1-CBI Ty A

STA. 92+90, 30.50' RT.
1-CBI Ty A

STA. 93+50, 30.50' LT.
1-CBI Ty A

STA. 93+50, 30.50' RT.
1-CBI Ty A

STA. 95+50, 4.50' LT.
1-CBI Ty A

STA. 95+50, 30.50' RT.
1-CBI Ty A

LEFT SIDE
OFFSET 15'
VERTICALLY

MATCHLINE STA. 87+00

℄ PEMBROKE DRIVE
℄ WETHERINGTON
BOULEVARD

264.23 L.F. OF 24" PIPE
@ So = 0.0271 ft/ft

24" PIPE
ELEV. = 877.21

264.23 L.F.
OF 24" PIPE
@ So = 0.0272 ft/ft

24" PIPE
ELEV. = 873.21

15" PIPE
ELEV. = 885.80

18" PIPE
ELEV. = 885.55

100.00 L.F. OF 15" PIPE
@ So = 0.0140 ft/ft

99.33 L.F. OF 15" PIPE
@ So = 0.0110 ft/ft

-2.80%

15" PIPE
ELEV. = 875.92

45.04 L.F.
OF 15" PIPE @
So = 0.0540 ft/ft

V.P.I. 92+25.00
Elev. 877.37FT
800.00FT V.C.
S.S.D. = 624.86 FT

45.04 L.F.
OF 15" PIPE @
So = 0.0335 ft/ft

15" PIPE
ELEV. = 874.73

18" PIPE
ELEV. = 874.48

60.05 L.F.
OF 15" PIPE @
So = 0.0200 ft/ft

2.50%

2' F.B. SPECIAL
DITCH RIGHT
NORMAL DEPTH

+00
880.66
2' F.B. SURFACE
DITCH RIGHT
3.20%

198.14 L.F.
OF 18" PIPE @
So = 0.0141 ft/ft

297.15 L.F.
OF 15" PIPE
@ So = 0.0246 ft/ft

MATCHLINE STA. 96+00

44.58 L.F.
OF 18" PIPE @
So = 0.0110 ft/ft

18" PIPE
ELEV. = 875.18

44.59 L.F.
OF 18" PIPE @
So = 0.0120 ft/ft

2' F.B. SURFACE
DITCH RIGHT
9.32%

59.45 L.F.
OF 18" PIPE @
So = 0.0100 ft/ft

+50
866.68

2' F.B. SURFACE
DITCH RIGHT
6.00%

+00
863.47

2' F.B. SURFACE
DITCH RIGHT
9.19%

+38.16
848.58

RIGHT OF WAY PLANS

SCALE: 1" = 30' HORIZONTAL
1" = 3' VERTICAL

PROFILE SHEET
MAINLINE
STA. 87+00 TO STA. 96+00

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$TIME$ $DATE$ $FILE$

RIGHT OF WAY PLANS

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R25

R/W REV. NUMBER 3 AUGUST 14, 2013
R/W REV. NUMBER 8 JANUARY 26, 2015
R/W REV. NUMBER 9 APRIL 24, 2015

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

ENTRANCES								
LOCATION	WIDTH (FT)	8" CONC. ENT. PAVT.(SY)	SURF. AREA (SY)	ASP. SURF. (TONS)	ASP. BASE (TONS)	DGA (TONS)	6" CONC. ENT. PAVT.	PIPE (DIA. - LENGTH)
49+00.00 ••	12	-	219	15	27	50	-	NONE
103+21.00 LT	12	57	104	-	-	37	104	STORM
104+92.00 LT	12	54	117	-	-	39	117	STORM
58+94.23 LT.•	10	-	205	14	25	47	-	NONE

• STATIONING OFF MT. ZION RD. NO. 2
•• STATIONING OFF APPR. RD. 101+50

DITCH CONSTRUCTION					
STATION	SIZE-SHAPE TYPE	LINING TYPE	LINING QUANTITY	D	T
RT 96+00 TO 99+00	2' FB SPECIAL DT	SOD	267 SY	1	
RT 99+00 TO 100+50	NORMAL DITCH	SOD	133 SY	1	

MAINLINE PLAN SHEET
STA. 96+00 TO STA. 105+00

SCALE: 1"= 30'

For Hempsteade Dr. Profile See Sheet R66

$TIME$ $FILE$

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R25a

RIGHT OF WAY PLANS

RIGHT OF WAY ON THIS PROJECT WAS PURCHASED BY KYTC IN THE NAME OF CITY OF UNION.

RIGHT OF WAY ON THIS PROJECT WAS PURCHASED BY KYTC IN THE NAME OF FISCAL COURT OF BOONE COUNTY.

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

P 197 — GERALD SPENCE & SALLY SPENCE (WF) DB 738 PG 229

P 198 — JOSEPH E. MARSHALL & LESLIE L. MARSHALL DB 984 PG 144

P 114 — LAWRENCE A. ERPENBECK & BARBARA SUE ERPENBECK (WF) DB 924 PG 338

P 115 — LAWRENCE ERPENBECK & BARBARA ERPENBECK (WF) DB 264 PG 9

P 116 — DENNIS AUGUR & VIVIEN AUGUR (WF) DB 615 PG 125

P. No. 113 — THE DREES COMPANY DB 874 PG 56

P 105 — BRETT M. BACHMEN & SHERI M. BACHMEN (WF) DB 975 PG 495

P 107 — LYLE MARK DAUGHERTY & CASEY LYNN DAUGHERTY (WF) DB 976 PG 424

P 110 — HEMPSTEADE COMMUNITY FACILITIES ASSOCIATION, INC. DB 451 PG 021

P 110 — HEMPSTEADE COMMUNITY FACILITIES ASSOCIATION, INC. DB 451 PG 21

℄ KY 536 STA. 101+50 = ℄ HEMP. DR. STA. 50+00

KY 536

MATCHLINE - STA. 96+00

MATCHLINE - STA. 105+00

PI Sta58+62.39

R= 2920.00' L= 1.86' Ch= 1.86' S84°16'36"E

Temp.Esmt. for Entrance Construction

59+00

Exist. R/W

R= 2920.00' L= 172.52' Ch= 172.49' S85°57'03"E

N84°32'06"W 78.02'

S84°44'15"E 129.06'

60+00

S84°44'15"E 134.34'

N57°45'38"E 92.44'

S56°13'47"W

POE Sta60+98.62

R= 8080.00' L= 130.31' Ch= 130.31' S86°02'36"E

220.55'

N86°30'19"W 175.40'

S86°04'04"E 302.62'

PC Sta100+46.84

100+00

PI STA 103+37.61
Δ= 8°18'56", LT
T= 290.77'
L= 580.53'
R= 4000'
E= 10.55'
e= 2.01%
Runoff= 77'
Runout= 77'

R= 3950.00' L= 31.28' Ch= 31.28' N78°00'14"E

R= 3950.00' L= 145.30' Ch= 145.29' N79°17'04"E

R= 3950.00' L= 211.32' Ch= 211.30' N76°14'40"E

Temp.Esmt.for Entrance Construction

Temp.Esmt.for Slope Construction

Temp.Esmt. for Slope Construction

Prop.R/W

Exist. R/W

N86°30'19"W 64.35'

N4°10'51"E 29.84'

N4°10'51"E 24.48'

S74°00'37"W 219.58'

R= 20.00' L= 36.79' Ch= 31.82' S33°41'05"E

R= 500.00' L= 76.44' Ch= 76.36' S89°06'55"W

R= 500.00' L= 30.63' Ch= 30.62' S82°58'52"W

N81°19'12"E

N73°00'17"E

R= 4050.00' L= 65.79' Ch= 65.79' S78°52'37"W

R= 4050.00' L= 407.39' Ch= 407.22' S75°53'11"W

N74°02'51"E 713.24'

S88°06'43"E 20.54'

N16°20'11"E 55.47'

N79°55'16"E 25.78'

PC Sta50+34.28

R= 2450.00' L= 462.73' Ch= 462.04' S74°30'38"W

S19°00'31"W 18.02'

S78°24'24"W 49.00'

R= 401.00' L= 3.14' Ch= 3.14' S18°47'03"W

N11°05'31"W 7.57'

N11°05'31"W 13.37'

S87°36'31"E 51.25'

S11°48'18"E 15.00'

S53°45'42"W 60.62'

S79°55'16"W 226.76'

200.99'

N55°34'10"W 29.58'

S2°28'29"W 21.01'

PT Sta51+08.25

PI Sta50+71.45 7.31'

Temp.Esmt.for Slope and Ditch Construction

Exist. P. D. E.

R= 4050.00' L= 15.19' Ch= 15.18' N78°18'09"E

S64°54'56"W 74.35'

Perm.Esmt.for Drainage

R= 4050.00' L= 366.89' Ch= 366.76' S75°35'59"W

PI STA 95+34.08
Δ= 13°16'19", RT
T= 407.19'
L= 810.74'
R= 3500'
E= 23.61'
e= 2.19%
Runoff= 135'
Runout= 123'
Runoff= 86'
Runout= 79'

PI STA 50+71.45
Δ= 14°07'37", RT
T= 37.17'
L= 73.97'
R= 300'
E= 2.29'
e= N/A
Runoff= N/A
Runout= N/A

PT Sta99+37.63

PT Sta51+08.25

R= 401.00' L= 102.19' Ch= 101.92' S11°15'32"W

R= 401.00' L= 105.33' Ch= 105.03' N3°34'00"W

N2°40'54"W 50.61'

105.03' S3°34'0"E

S3°58'10"W

N3°57'30"E 87.12'

N3°57'30"E 95.03'

S3°57'30"W 28.47'

N3°57'30"E 79.43'

Exist. & Prop. R/W

Exist. 10' Util. Ease.

Exist. Son. Sewer Ease.

Temp.Esmt. for Slope Construction

PI Sta52+25.00

52+00

S4°59'50"E

END R/W
HEMPSTEADE DR.
STA. 52+50

SCALE: 1"= 30'

MAINLINE R/W DETAIL PLAN SHEET
STA. 96+00 TO STA. 105+00

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$TIME$ $FILE$

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R26

R/W REV. NUMBER 3
AUGUST 14, 2013
R/W REV. NUMBER 8
JANUARY 26, 2015

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

DATUM

STA. 98+50, 30.50' RT.
1-CBI Ty A

STA. 101+00, 30.50' LT.
1-CBI Ty A

STA. 101+06.46, 95.87' RT.
1-CBI Ty A

OVERHEAD UTILITY
ELEV. = 914.71

STA. 101+84, 73.33' RT.
1-CBI Ty A

STA. 102+05, 30.50' LT.
1-CBI Ty A

STA. 102+54.15, 56.61' RT.
1-MH Ty A

OVERHEAD UTILITY
ELEV. = 913.72

STA. 103+75, 30.50' LT.
1-CBI Ty A

STA. 104+64, 30.50' LT.
1-CBI Ty A

LEFT SIDE OFFSET 15' VERTICALLY

158 133 134 135 130 131 132 117

104 L.F. OF 15" PIPE @ So = 0.0300 ft/ft

V.P.I. 101+50.00
Elev. 900.50FT
600.00FT V.C.
S.S.D. = 421.05 FT

For Hempsteade Dr. Profile & Appr. Rd. 101+50 Profile See Sheet R66

2.50%

+50
895.92

℄ APPR. RD. 101+50
℄ HEMPSTEADE DRIVE

-4.80%

169 L.F. OF 15" PIPE @ So = 0.0300 ft/ft

OVERHEAD UTILITY
ELEV. = 904.11

88.28 L.F. OF 15" PIPE @ So = 0.0400 ft/ft

134.90 L.F. OF 15" PIPE @ So = 0.0486 ft/ft

NORMAL DITCH RIGHT

+00
893.35

2' F.B. SPECIAL DITCH RIGHT NORMAL DEPTH

2.50%

82.31 L.F. OF 15" PIPE @ So = 0.0200 ft/ft

71.76 L.F. OF 15" PIPE @ So = 0.0508 ft/ft

15" PIPE (Ex. / Prop.)
ELEV. = 885.66

297.29 L.F. OF 15" PIPE @ So = 0.0246 ft/ft

MATCHLINE STA. 96+00

MATCHLINE STA. 105+00

915 912 909 906 903 900 897 894 891 888 885 882 879 876 873 870 867 864 861

RIGHT OF WAY PLANS

SCALE: 1" = 30' HORIZONTAL
1" = 3' VERTICAL

883.5	885.9	886.4	885.2	884.9	890.7	896.0	893.8	892.4	894.5	896.6	895.74	895.75	894.19	892.44				890.25	887.72	884.85	881.82
886.77	888.00	889.25	890.50	891.75	893.00	894.10	894.89	895.38	895.57	895.45	895.02	894.30	893.26	891.93				890.29	888.34	886.09	883.69
96+00	96+50	97+00	97+50	98+00	98+50	99+00	99+50	100+00	100+50	101+00	101+50	102+00	102+50	103+00				103+50	104+00	104+50	105+00

PROFILE SHEET
MAINLINE
STA. 96+00 TO STA. 105+00

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$TIME$ $DATE$ $FILE$

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R27

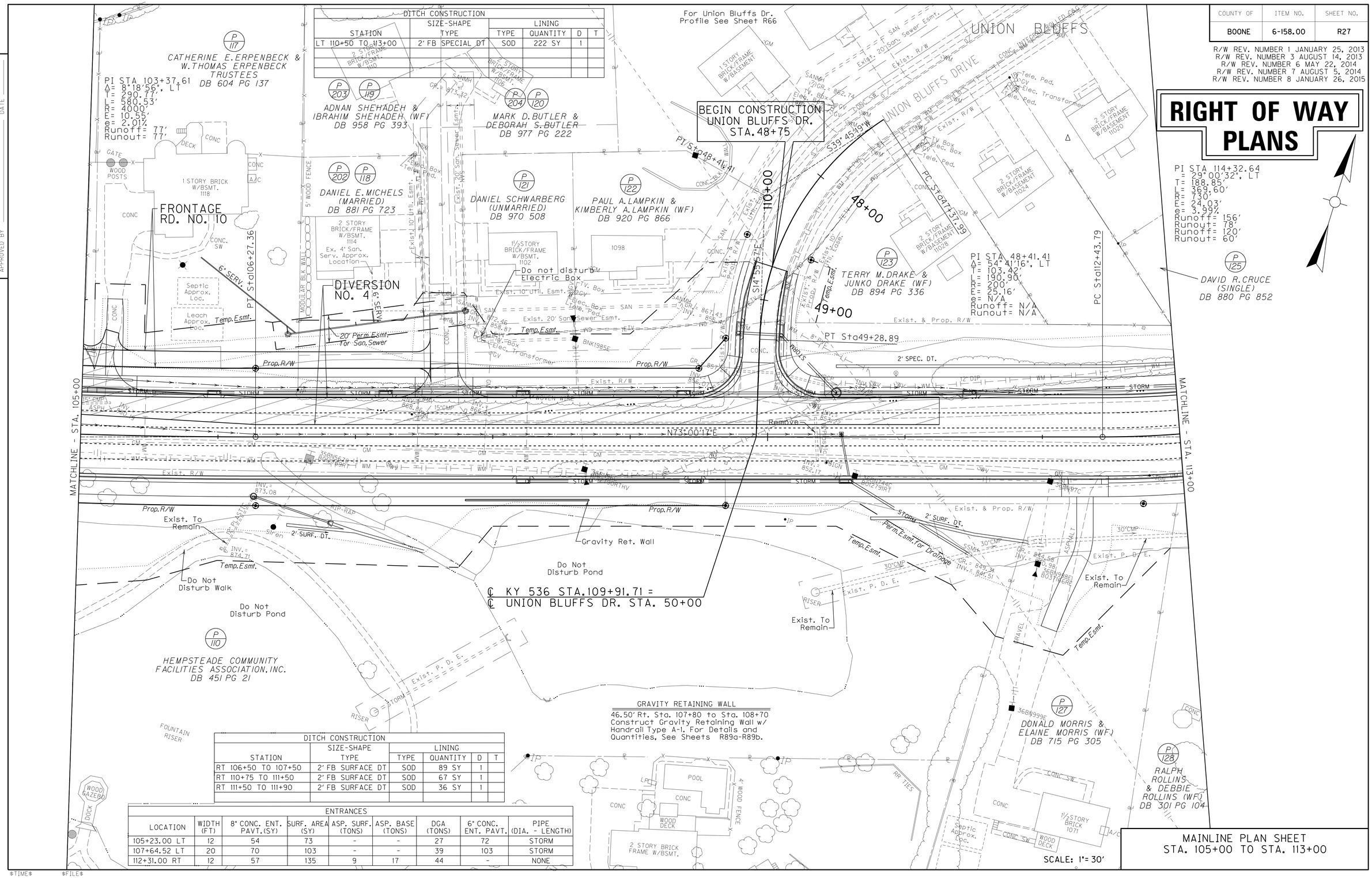
R/W REV. NUMBER 1 JANUARY 25, 2013
R/W REV. NUMBER 3 AUGUST 14, 2013
R/W REV. NUMBER 6 MAY 22, 2014
R/W REV. NUMBER 7 AUGUST 5, 2014
R/W REV. NUMBER 8 JANUARY 26, 2015

RIGHT OF WAY PLANS

PI STA 114+32.64
Δ= 29°00'32", LT
T= 188.85'
L= 369.60'
R= 730'
E= 24.03'
e= 3.99%
Runoff= 156'
Runout= 78'
Runoff= 120'
Runout= 60'

P 125 — DAVID R.CRUCE (SINGLE) DB 880 PG 852

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____


For Union Bluffs Dr. Profile See Sheet R66
UNION BLUFFS
UNION BLUFFS DRIVE
BEGIN CONSTRUCTION UNION BLUFFS DR. STA.48+75
PI Sta48+41.41
S39°45'19"W
PC Sta47+37.99
PT Sta49+28.89
PC Sta112+43.79
PI STA 48+41.41
Δ= 54°41'16", LT
T= 103.42'
L= 190.90'
R= 200'
E= 25.16'
e= N/A
Runoff= N/A
Runout= N/A
P 123 — TERRY M.DRAKE & JUNKO DRAKE (WF) DB 894 PG 336
P 117 — CATHERINE E.ERPENBECK & W.THOMAS ERPENBECK TRUSTEES DB 604 PG 137
PI STA 103+37.61
Δ= 8°18'56", LT
T= 290.77'
L= 580.53'
R= 4000'
E= 10.55'
e= 2.01%
Runoff= 77'
Runout= 77'
P 203 / P 118 — ADNAN SHEHADEH & IBRAHIM SHEHADEH (WF) DB 958 PG 393
P 204 / P 120 — MARK D.BUTLER & DEBORAH S.BUTLER DB 977 PG 222
P 202 / P 118 — DANIEL E.MICHELS (MARRIED) DB 881 PG 723
P 121 — DANIEL SCHWARBERG (UNMARRIED) DB 970 508
P 122 — PAUL A.LAMPKIN & KIMBERLY A.LAMPKIN (WF) DB 920 PG 866
P 110 — HEMPSTEADE COMMUNITY FACILITIES ASSOCIATION, INC. DB 451 PG 21
P 127 — DONALD MORRIS & ELAINE MORRIS (WF) DB 715 PG 305
P 128 — RALPH ROLLINS & DEBBIE ROLLINS (WF) DB 301 PG 104
1 STORY BRICK W/BSMT. 1118
2 STORY BRICK/FRAME W/BSMT. 1114
1½ STORY BRICK/FRAME W/BSMT. 1102
1 STORY BRICK/FRAME W/BASEMENT 1106
2 STORY BRICK/FRAME W/BASEMENT 11020
2 STORY BRICK/FRAME W/BASEMENT 11024
2 STORY BRICK/FRAME W/BASEMENT 11028
1 STORY BRICK/FRAME W/BASEMENT 1098
1½ STORY BRICK 1071
FRONTAGE RD. NO. 10
DIVERSION NO. 4
6" SERV.
Septic Approx. Loc.
Leach Approx. Loc.
Temp. Esmt.
20' Perm Esmt. For San. Sewer
Exist. 20' San. Sewer Esmt.
Exist. 10' Util. Esmt.
Exist. & Prop. R/W
Prop. R/W
Exist. R/W
Exist. To Remain
Remove
Do not disturb Electric Box
Do Not Disturb Walk
Do Not Disturb Pond
Gravity Ret. Wall
RIP-RAP
Temp. Esmt.
Perm. Esmt. for Drainage
Exist. P. D. E.
℄ KY 536 STA.109+91.71 = ℄ UNION BLUFFS DR. STA. 50+00
MATCHLINE - STA. 105+00
MATCHLINE - STA. 113+00
2' SURF. DT.
2' SPEC. DT.
12" DIP
15" CMP
30" CMP
STORM
SANITARY SEWER
WATER
GAS
OVERHEAD WIRE
CONC.
ASPHALT
GRAVEL
RR TIES
POOL
4' WOOD FENCE
WOOD DECK
WOOD GAZEBO
DOCK
FOUNTAIN
RISER
5' WOOD FENCE
MODULAR BLK WALL
CONC. INTEGRAL CURB
CONC. BLK WALL
WOOD POSTS
DECK
A/C
SW
Tele. Ped.
Elec. Box
TV Box
Elec. Transformer
Elec. Ped.
Exist. 4' San. Serv. Approx. Location
Exist. 10' Util. Esmt.
Exist. 20' San. Sewer Esmt.
Exist. 20' San. Sewer Esmt.
Exist. 20' San. Sewer

RIGHT OF WAY PLANS

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R27a

R/W REV. NUMBER 1 JANUARY 25, 2013
R/W REV. NUMBER 7 AUGUST 5, 2013
R/W REV. NUMBER 8 JANUARY 26, 2015

RIGHT OF WAY ON THIS PROJECT WAS PURCHASED BY KYTC IN THE NAME OF CITY OF UNION.

RIGHT OF WAY ON THIS PROJECT WAS PURCHASED BY KYTC IN THE NAME OF FISCAL COURT OF BOONE COUNTY.

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

1. N17°58'40"W 20.13'
2. N65°29'53"E 5.63'
3. S18°22'53"E 18.99'
4. S71°36'01"W 9.27'
5. N17°58'40"W 0.14'
6. S65°29'53"W 15.10'
7. S71°36'01"W 15.00'
8. N17°58'40"W 20.13'
9. N65°29'53"E 15.10'
10. N15°59'23"W 20.22'
11. N65°29'53"E 91.04'
12. S65°29'53"W 91.75'
13. S65°29'53"W 16.63'
14. N24°30'07"W 20.00'
15. N65°29'53"E 19.53'

UNION BLUFFS

BEGIN R/W UNION BLUFFS DR. STA.48+61

PI STA 103+37.61
Δ= 8°18'56", LT
T= 290.77'
L= 580.53'
R= 4000'
E= 10.55'
e=
Runoff=
Runout=

PI STA 114+32.64
Δ= 29°00'32", LT
T= 188.85'
L= 369.60'
R= 730'
E= 24.03'
e= 3.99%
Runoff= 156'
Runout= 78'
Runoff= 120'
Runout= 60'

PI STA 48+41.41
Δ= 54°41'16", LT
T= 103.42'
L= 190.90'
R= 200'
E= 25.16'
e= N/A
Runoff= N/A
Runout= N/A

P 117 — CATHERINE E. ERPENBECK & W. THOMAS ERPENBECK TRUSTEES DB 604 PG 137

P 203 P 119 — ADNAN SHEHADEH & IBRAHIM SHEHADEH (WF) DB 958 PG 393

P 204 P 120 — MARK D. BUTLER & DEBORAH S. BUTLER DB 977 PG 222

P 202 P 118 — DANIEL E. MICHELS (MARRIED) DB 881 PG 723

P 121 — DANIEL SCHWARBERG (UNMARRIED) DB 970 508

P 122 — PAUL A. LAMPKIN & KIMBERLY A. LAMPKIN (WF) DB 920 PG 866

P 123 — TERRY M. DRAKE & JUNKO DRAKE (WF) DB 894 PG 336

P 125 — DAVID R. CRUCE (SINGLE) DB 880 PG 852

P 110 — HEMPSTEADE COMMUNITY FACILITIES ASSOCIATION, INC. DB 451 PG 21

P 127 — DONALD MORRIS & ELAINE MORRIS (WF) DB 715 PG 305

P 128 — RALPH ROLLINS & DEBBIE ROLLINS (WF) DB 301 PG 104

SEE INSET

PT Sta106+27.36

PC Sta112+43.79

PT Sta49+28.89

PC Sta47+37.99

110+00

48+00

49+00

20' Perm. Esmt. for San. Sewer

Temp. Esmt. for Slope and Entrance Construction R= 3950.00' L= 117.69' Ch= 117.68' N73°51'29"E

Temp. Esmt. for Slope and Entrance Construction

Temp. Esmt. for Entrance Construction

Temp. Esmt. for Slope Construction

Temp. Esmt. for Slope and Entrance Construction

Temp. Esmt. for Slope and Ditch Construction

Temp. Esmt. for Slope and Ditch Construction

Temp. Esmt. for Slope construction

Temp. Esmt. for Entrance Construction

Temp. Esmt. for Drainage Perm. Esmt. for Drainage 70.99'

Exist. 10' Util. Esmt.

Exist. 20' San. Sewer Esmt.

Exist. & Prop. R/W

Exist. R/W

Prop. R/W

Exist. P. D. E.

KY 536 N73° 00'17"E

℄ KY 536 STA.109+91.71 = ℄ UNION BLUFFS DR. STA. 50+00

MATCHLINE - STA. 105+00

MATCHLINE - STA. 113+00

INSET
SCALE 1"=60'

SCALE: 1"= 30'

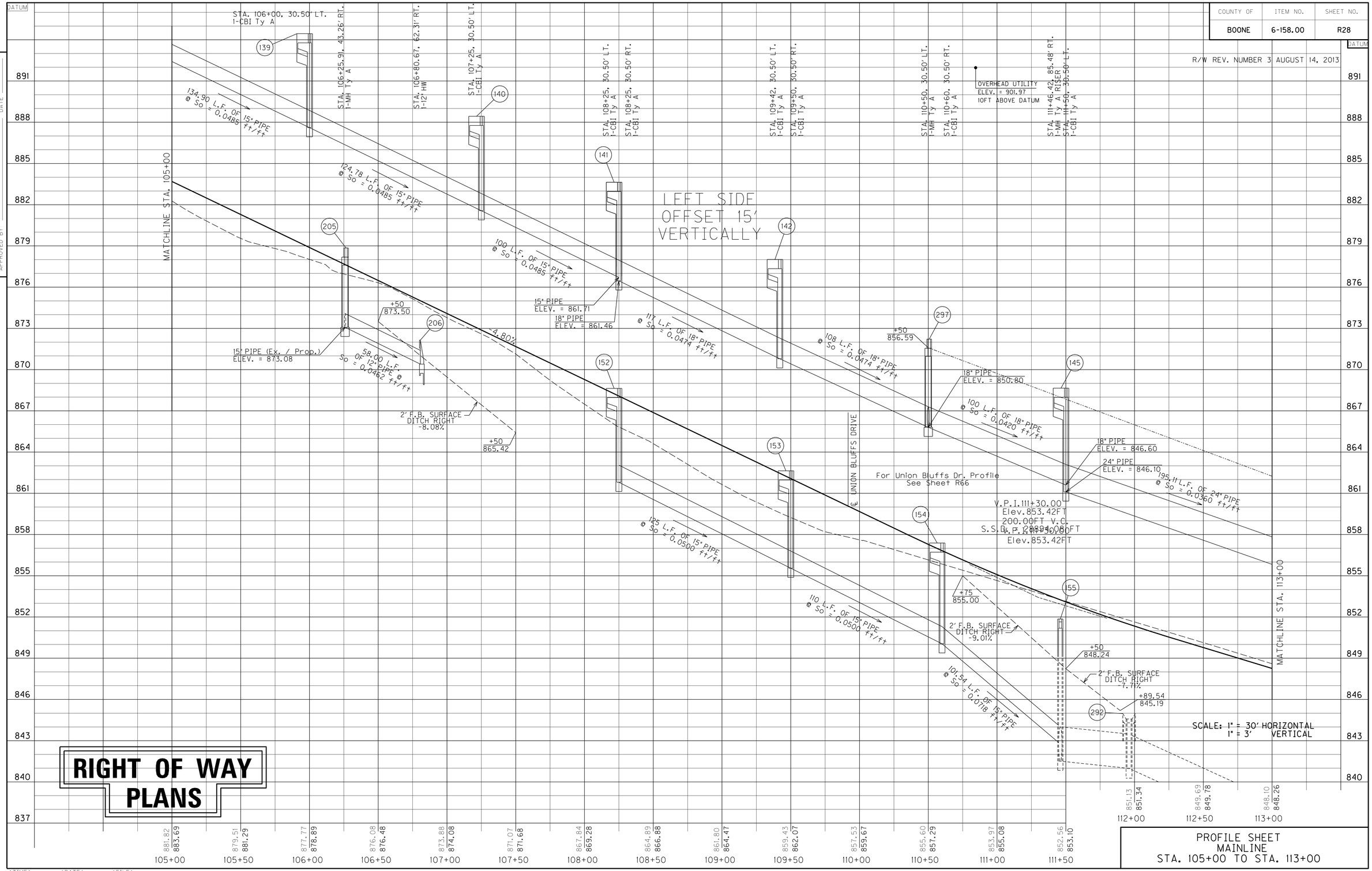
MAINLINE R/W DETAIL PLAN SHEET
STA. 105+00 TO STA. 113+00

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$TIME$ $FILE$

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R28

R/W REV. NUMBER 3 AUGUST 14, 2013



RIGHT OF WAY PLANS

PROFILE SHEET
MAINLINE
STA. 105+00 TO STA. 113+00

PREPARED BY DATE
CHECKED BY DATE
APPROVED BY DATE

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$TIME$ $DATE$ $FILE$

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R29

R/W REV. NUMBER 2 APRIL 22, 2013
R/W REV. NO. 3 AUGUST 14, 2013
R/W REV. NUMBER 5 NOVEMBER 13, 2013

RIGHT OF WAY PLANS

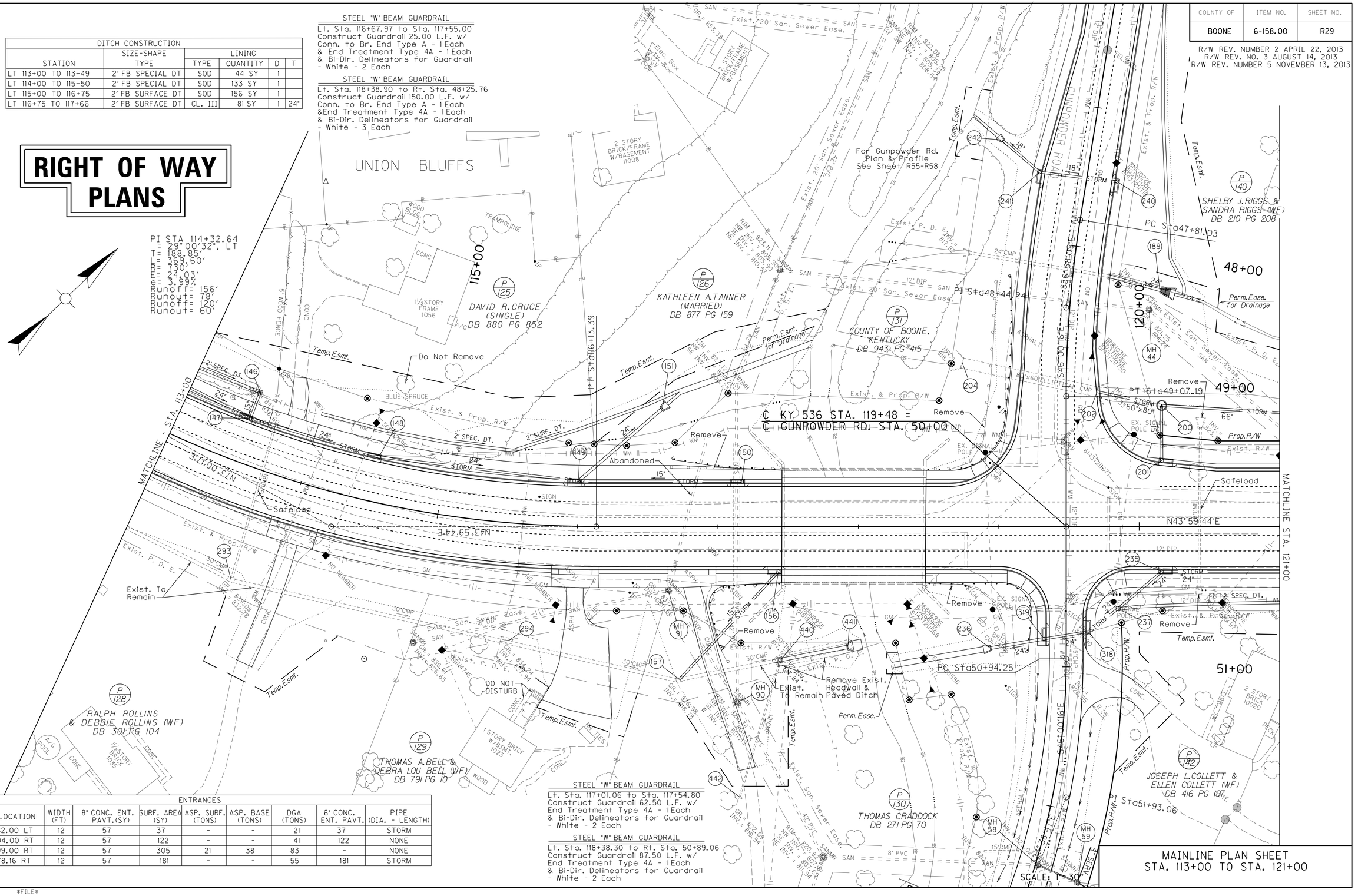
PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

DITCH CONSTRUCTION					
STATION	SIZE-SHAPE TYPE	LINING TYPE	LINING QUANTITY	D	T
LT 113+00 TO 113+49	2' FB SPECIAL DT	SOD	44 SY	1	
LT 114+00 TO 115+50	2' FB SPECIAL DT	SOD	133 SY	1	
LT 115+00 TO 116+75	2' FB SURFACE DT	SOD	156 SY	1	
LT 116+75 TO 117+66	2' FB SURFACE DT	CL. III	81 SY	1	24"

STEEL "W" BEAM GUARDRAIL
Lt. Sta. 116+67.97 to Sta. 117+55.00
Construct Guardrail 25.00 L.F. w/ Conn. to Br. End Type A - 1 Each & End Treatment Type 4A - 1 Each & Bi-Dir. Delineators for Guardrail - White - 2 Each

STEEL "W" BEAM GUARDRAIL
Lt. Sta. 118+38.90 to Rt. Sta. 48+25.76
Construct Guardrail 150.00 L.F. w/ Conn. to Br. End Type A - 1 Each &End Treatment Type 4A - 1 Each & Bi-Dir. Delineators for Guardrail - White - 3 Each

PI STA 114+32.64
Δ = 29°00'32", LT
T = 188.85'
L = 369.60'
R = 730'
E = 24.03'
e = 3.99%
Runoff = 156'
Runout = 78'
Runoff = 120'
Runout = 60'


UNION BLUFFS
115+00
120+00
48+00
49+00
51+00
MATCHLINE - STA. 113+00
MATCHLINE STA. 121+00
N13°00'13"E
N43°59'44"E
N43°59'44"E
N46°00'16"E
℄ KY 536 STA. 119+48 = ℄ GUNPOWDER RD. STA. 50+00
GUNPOWDER ROAD
For Gunpowder Rd. Plan & Profile See Sheet R55-R58
P 125 DAVID R.CRUCE (SINGLE) DB 880 PG 852
P 126 KATHLEEN A.TANNER (MARRIED) DB 877 PG 159
P 131 COUNTY OF BOONE, KENTUCKY DB 943 PG 415
P 140 SHELBY J.RIGGS & SANDRA RIGGS (WF) DB 210 PG 208
P 128 RALPH ROLLINS & DEBBIE ROLLINS (WF) DB 301 PG 104
P 129 THOMAS A.BELL & DEBRA LOU BELL (WF) DB 791 PG 10
P 130 THOMAS CRADDOCK DB 271 PG 70
P 142 JOSEPH L.COLLETT & ELLEN COLLETT (WF) DB 416 PG 197
PI Sta116+13.39
PC Sta47+81.03
PT Sta48+44.24
PT Sta49+07.19
PC Sta50+94.25
PT Sta51+93.06
Temp.Esmt.
Perm.Esmt. for Drainage
Perm.Ease. for Drainage
Do Not Remove
DO NOT DISTURB
Remove
Abandoned
Safeload
Exist. To Remain
Remove Exist. Headwall & Pave Ditch
Exist. & Prop. R/W
Exist. 20' San. Sewer Ease.
Exist. P. D. E.
Prop.R/W
Exist. R/W
2' SPEC. DT.
2' SURF. DT.
24" STORM
15" STORM
18" STORM
30"CMP
42" PVC
8" PVC
12" DIP
24"CMP
5' WOOD FENCE
BLUE SPRUCE
TRAMPOLINE
WOOD BLDG.
CONC
1½ STORY FRAME 1056
2 STORY BRICK/FRAME W/BASEMENT 11008
1 STORY BRICK W/BSMT. 1023
2 STORY BRICK 10020
A/G POOL
1½ STORY BRICK 1015
Elec. Box
EX. SIGNAL POLE
SIGN
NO NUMBER
TAG CM NUMBER 5
ASPHALT
CONCRETE
BRICK
DECK
WOOD
SAN MH - INV. = 836.61 INV. = 826.65
SAN MH - INV. = 834.23 INV. = 824.34
SAN MH - INV. = 823.11 INV. = 805.90
SAN MH - INV. = 820.06 INV. = 805.33 INV. = 805.64
SAN MH - INV. = 820.81 INV. = 807.61 INV. = 807.91
SAN MH - INV. = 822.08 INV. = 808.34
SAN MH - INV. = 822.08 INV. = 808.34
SAN MH - INV. = 822.08 INV. = 808.34
SAN MH - INV. = 820.81 INV. = 807.61 INV. = 807.91

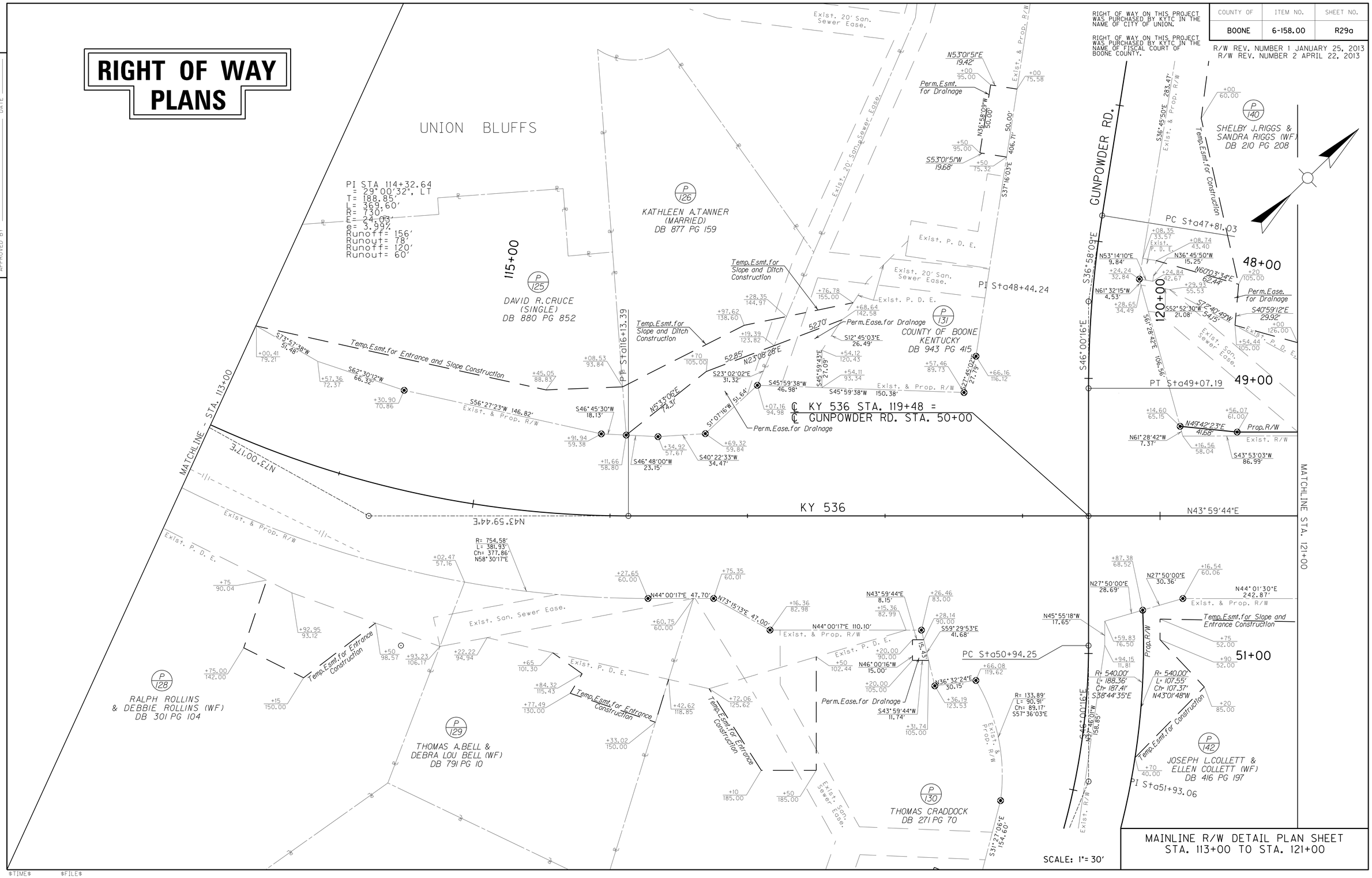
RIGHT OF WAY PLANS

RIGHT OF WAY ON THIS PROJECT WAS PURCHASED BY KYTC IN THE NAME OF CITY OF UNION.

RIGHT OF WAY ON THIS PROJECT WAS PURCHASED BY KYTC IN THE NAME OF FISCAL COURT OF BOONE COUNTY.

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R29a

R/W REV. NUMBER 1 JANUARY 25, 2013
R/W REV. NUMBER 2 APRIL 22, 2013



MAINLINE R/W DETAIL PLAN SHEET
STA. 113+00 TO STA. 121+00

PREPARED BY DATE
CHECKED BY DATE
APPROVED BY DATE

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$TIME$ $FILE$

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R30

R/W REV. NUMBER 3 AUGUST 14, 2013
R/W REV. NUMBER 5 NOVEMBER 13, 2013

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

STA. 113+50, 30.50' LT. 1-CBI Ty A
STA. 114+50, 30.50' LT. 1-CBI Ty A
STA. 116+00, 30.50' LT. 1-CBI Ty A
STA. 117+17, 30.50' LT. 1-CBI Ty A
STA. 117+43, 30.50' RT. 1-CBI Ty A
STA. 117+44, 95.22' RT. 1-JB No. 11
STA. 117+93, 86.00' RT. 1-30" HW
STA. 118+93.91, 86.68' RT. 1-24" SIP HW
STA. 119+32, 80' RT. 1-CBI Ty A
STA. 119+64, 75' RT. 1-CBI Ty A
STA. 119+85, 58.5' RT. 1-DBI Ty 3
STA. 120+16, 32.2' RT. 1-CBI Ty A

DATUM 867 864 861 858 855 852 849 846 843 840 837 834 831 828 825 822 819 816 813

2' F.B. SPECIAL DITCH LEFT NORMAL DEPTH
147
+48.50
845.43
2' F.B. SPECIAL DITCH LEFT NORMAL DEPTH
+00
843.91
148
15" PIPE
ELEV. = 839.82
195.11 L.F. OF 24" PIPE @ So = 0.0360 ft/ft
96.52 L.F. OF 24" PIPE @ So = 0.0430 ft/ft
MATCHLINE STA. 113+00
-3.04%
LEFT SIDE OFFSET 15' VERTICALLY
+50
839.35
149
150
15" PIPE
ELEV. = 828.59
116.40 L.F. OF 15" PIPE @ So = 0.0100 ft/ft
143.14 L.F. OF 24" PIPE @ So = 0.0498 ft/ft
2' F.B. SURFACE DITCH LEFT
11.22%
V.P.I.116+80.00
Elev.836.70FT
130.00FT V.C.
24" PIPE
ELEV. = 827.84
V.P.I.117+45.39
Elev.835.45FT
For Gunpowdwer Rd.
Plan & Profile
See Sheets R55-R56
156
-1.42%
294
4' F.B. SURFACE DITCH LEFT
11.22%
+66
815.11
157
104.33 L.F. OF 15" PIPE @ So = 0.0884 ft/ft
440
441
4.00 L.F. OF 30" PIPE
48.00 L.F. OF 30" PIPE @ So = 0.0060 ft/ft
OVERHEAD UTILITY
ELEV. = 853.36
LEFT SIDE OFFSET 20' VERTICALLY
204
202
200
OVERHEAD UTILITY
ELEV. = 848.82
15" PIPE
ELEV. = 824.05
184.34 L.F. OF 66" PIPE @ So = 0.0125 ft/ft
47.01 L.F. OF 80" X 60" ELP. PIPE @ So = 0.0104 ft/ft
V.P.I.118+47.70
Elev.834.00FT
V.P.I.119+25.00
Elev.833.32FT
150.00FT V.C.
GUNPOWDER ROAD
318
235
-0.88%
0.52%
+86
831.74
319
237
2' F.B. SPECIAL DITCH RIGHT
1.00%
MATCHLINE STA. 121+00
39 L.F. OF 24" PIPE @ So = 0.0659 ft/ft
144 L.F. OF 24" PIPE @ So = 0.0140 ft/ft
40.68 L.F. OF 24" PIPE @ So = 0.0140 ft/ft
236
26.97 L.F. OF 24" PIPE @ So = 0.0140 ft/ft
4' F.B. SURFACE DITCH RIGHT
3.17%
31.73 L.F. OF 24" PIPE @ So = 0.0140 ft/ft
SCALE: 1" = 30' HORIZONTAL
1" = 3' VERTICAL

RIGHT OF WAY PLANS

| | | |

RIGHT OF WAY PLANS

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R31

R/W REV. NUMBER 2 APRIL 22, 2013
R/W REV. NUMBER 5 NOVEMBER 13, 2013
R/W REV. NUMBER 7 AUGUST 5, 2014

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

ENTRANCES								
LOCATION	WIDTH (FT)	8" CONC. ENT. PAVT.(SY)	SURF. AREA (SY)	ASP. SURF. (TONS)	ASP. BASE (TONS)	DGA (TONS)	6" CONC. ENT. PAVT.	PIPE (DIA. - LENGTH)
122+85.49 RT	19	68	50	3	6	27	-	NONE
124+01.39 RT	12	57	15	1	2	17	-	STORM
126+38.00 LT	12	57	130	-	-	43	130	STORM
127+50.00 RT	12	57	29	2	4	20	-	STORM

DITCH CONSTRUCTION					
STATION	SIZE-SHAPE TYPE	LINING TYPE	QUANTITY	D	T
LT 122+00 TO 126+25	2' FB SURFACE DT				
LT 127+06 TO 128+00	2' FB SPECIAL DT				

DITCH CONSTRUCTION					
STATION	SIZE-SHAPE TYPE	LINING TYPE	QUANTITY	D	T
RT 121+00 TO 122+70	2' FB SPECIAL DT	SOD	151 SY	1	
RT 123+07 TO 123+85	2' FB SURFACE DT	SOD	69 SY	1	
RT 124+19 TO 126+50	2' FB SPECIAL DT	SOD	205 SY	1	
RT 126+50 TO 127+35	2' FB SURFACE DT	SOD	76 SY	1	

P 140 — SHELBY J.RIGGS & SANDRA RIGGS (WF) DB 210 PG 208

P 141 — KENTON COUNTY FISCAL COURT, D.B.A. NORTHERN KENTUCKY DRUG STRIKE FORCE DB 1005 PG 218

P 142 — JOSEPH L.COLLETT & ELLEN COLLETT (WF) DB 416 PG 197

P 143 — TIMOTHY P.MAHANEY (MARRIED) DB 960 PG 069

P 144 — ERIC J.MESSMER TRUSTEE DB 982 PG 315

P 145 — JOYCE R.JAQUAY (UNMARRIED) DB 696 PG 103

P 150 — JONATHAN D.WENNDT DB 896 PG 53

P 151 — OLIVIA SALCIDO & ESTREBERTO SALCIDO (W&H) DB 878 PG 417

P 152 — SANITATION DISTRICT NO.1 DB 1029 PG 771

PI STA 126+96.03
Δ= 36°03'24", RT
T= 358.01'
L= 692.24'
R=1100.00'
E=56.79'
sc= 3.66%
Runoff= 141'
Runout= 77'

MATCHLINE STA. 121+00

MATCHLINE STA. 128+00

SCALE: 1"= 30'

MAINLINE PLAN SHEET
STA. 121+00 TO STA. 128+00

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$TIME$ $FILE$

RIGHT OF WAY PLANS

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R31a

R/W REV. NUMBER 2 APRIL 22, 2013
R/W REV. NUMBER 5 NOVEMBER 13, 2013
R/W REV. NUMBER 7 AUGUST 5, 2014

RIGHT OF WAY ON THIS PROJECT WAS PURCHASED BY KYTC IN THE NAME OF CITY OF UNION.

RIGHT OF WAY ON THIS PROJECT WAS PURCHASED BY KYTC IN THE NAME OF FISCAL COURT OF BOONE COUNTY.

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

1 R= 1158.00 L= 19.31' Ch= 19.31' N61°08'50"E
2 N16°53'45"W 16.72'
3 R= 1161.00' L= 29.35' Ch= 29.35' S51°27'28"W
4 N41°20'32"W 4.29'
5 S47°11'03"W 20.10'
6 R= 1186.00' L= 12.65' Ch= 12.65' S58°54'14"W
7 R= 1158.00 L= 12.36' Ch= 12.36' S61°55'50"W
8 S17°36'19"W 19.90'
9 N60°39'33"E 9.78'
10 N60°39'33"E 16.85'
11 R= 1158.00 L= 11.61' Ch= 11.61' S62°31'25"W
12 R= 1158.00' L= 93.56' Ch= 93.53' N65°07'31"E
13 R= 1158.00' L= 76.96' Ch= 76.94' S65°32'10"W
14 N17°47'09"E 21.77'
15 R= 1158.00 L= 23.97 Ch= 23.97 N62°13'04"E
16 S17°47'09"W 8.39'
17 127+10 81.19

P 140 SHELBY J. RIGGS & SANDRA RIGGS (WF) DB 210 PG 208

P 141 KENTON COUNTY FISCAL COURT, D.B.A. NORTHERN KENTUCKY DRUG STRIKE FORCE DB 1005 PG 218

P 150 JONATHAN D. WENNDT DB 896 PG 53

P 151 OLIVIA SALCIDO & ESTREBERTO SALCIDO (W&H) DB 878 PG 417

P 152 SANITATION DISTRICT NO. 1 DB 1029 PG 771

P 146 BILL L. FANNIN & GEORGETTA MOOREFIELD (BOTH SINGLE) DB 235 PG 259

P 142 JOSEPH L. COLLETT & ELLEN COLLETT (WF) DB 416 PG 197

P 143 TIMOTHY P. MAHANEY (MARRIED) DB 960 PG 069

P 144 ERIC J. MESSMER TRUSTEE DB 982 PG 315

P 145 JOYCE R. JAQUAY (UNMARRIED) DB 696 PG 103

OAKKREST ACRES

KY 536

MATCHLINE STA. 121+00

MATCHLINE - STA. 128+00

PI Sta 126+96.03

PI STA 126+96.03
Δ= 36°03'24", RT
T= 358.01'
L= 692.24'
R=1100.00'
E=56.79'
e= 3.6%
Runoff= 141'
Runout= 77'

Temp.Esmt.for Slope and Ditch Construction

Temp.Esmt.for Slope,Ditch and Entrance Construction

Temp.Esmt.for Slope and Entrance Construction

Temp.Esmt.for Entrance Construction

20' Perm.Esmt.for San.Sewer

Perm.Esmt. for Drainage

20' Perm.Esmt. for San.Sewer

Exist. 20' San. Sewer Ease.

Exist. P. D. E.

Exist. San. Sewer Ease.

Exist. R/W

Prop.R/W

Exist. & Prop. R/W

SCALE: 1"= 30'

MAINLINE R/W DETAIL PLAN SHEET
STA. 121+00 TO STA. 128+00

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$TIME$ $FILE$

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R32

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

STA. 121+60, 30.50' RT.
1-CBI Ty A

STA. 122+00, 75.00' LT.
1-MH Ty C

STA. 122+25, 30.50' RT.
1-CBI Ty A

STA. 123+10, 30.50' RT.
1-CBI Ty A

STA. 124+25, 30.50' RT.
1-CBI Ty A

STA. 124+50, 70.00' LT.
1-MH Ty C

STA. 126+00, 30.50' RT.
1-CBI Ty A

STA. 127+00, 50.00' LT.
1-MH Ty C

STA. 128+00, 30.50' RT.
1-CBI Ty A

199

OVERHEAD UTILITY
ELEV. = 857.13

198

196

LEFT SIDE
OFFSET 20'
VERTICALLY

2' F.B. SPECIAL
DITCH LEFT
6.66%

+25
835.15

+06.17
835.40

18" PIPE
ELEV. = 831.39

183.28 L.F. OF 60" PIPE
@ So = 0.0248 ft/ft

2' F.B. SPECIAL
DITCH LEFT
2.32%

+00
825.29

263.82 L.F. OF 66" PIPE
@ So = 0.0110 ft/ft

257.16 L.F. OF 66" PIPE
@ So = 0.0110 ft/ft

184.34 L.F. OF 66" PIPE
@ So = 0.0109 ft/ft

229

2' F.B. SURFACE
DITCH RIGHT
1.74%

+35
841.50

230

+50
840.02

316

V.P.I. 123+00.00
Elev. 835.27FT
200.00FT V.C.

2' F.B. SURFACE
DITCH RIGHT
1.00%

234

317

231

MATCHLINE STA. 121+00

0.52%

+85
835.52

+26.50
836.11

+70
834.57
+11.50
834.79

2' F.B. SPECIAL
DITCH RIGHT
NORMAL DEPTH

193.88 L.F. OF 15" PIPE
@ So = 0.0170 ft/ft

15" PIPE
ELEV. = 837.41

15" PIPE
ELEV. = 834.11

169.70 L.F. OF 18" PIPE
@ So = 0.0180 ft/ft

2' F.B. SPECIAL
DITCH RIGHT
1.00%

15" PIPE
ELEV. = 830.92

15" PIPE
ELEV. = 829.45

112.41 L.F. OF 24" PIPE
@ So = 0.0143 ft/ft

85 L.F. OF 24" PIPE
@ So = 0.0140 ft/ft

144 L.F. OF 24" PIPE
@ So = 0.0140 ft/ft

65 L.F. OF 24" PIPE
@ So = 0.0140 ft/ft

MATCHLINE STA. 128+00

DATUM 867 864 861 858 855 852 849 846 843 840 837 834 831 828 825 822 819 816

833.86	834.04	834.27	834.51	834.76	834.98	835.43	835.91	836.06	836.32	836.77	837.40	838.08	838.66	839.32
834.23	834.49	834.75	835.08	835.57	836.19	836.97	837.82	838.67	839.52	840.37	841.22	842.07	842.92	843.77
121+00	121+50	122+00	122+50	123+00	123+50	124+00	124+50	125+00	125+50	126+00	126+50	127+00	127+50	128+00

SCALE: 1" = 30' HORIZONTAL
1" = 3' VERTICAL

RIGHT OF WAY PLANS

PROFILE SHEET
MAINLINE
STA. 121+00 TO STA. 128+00

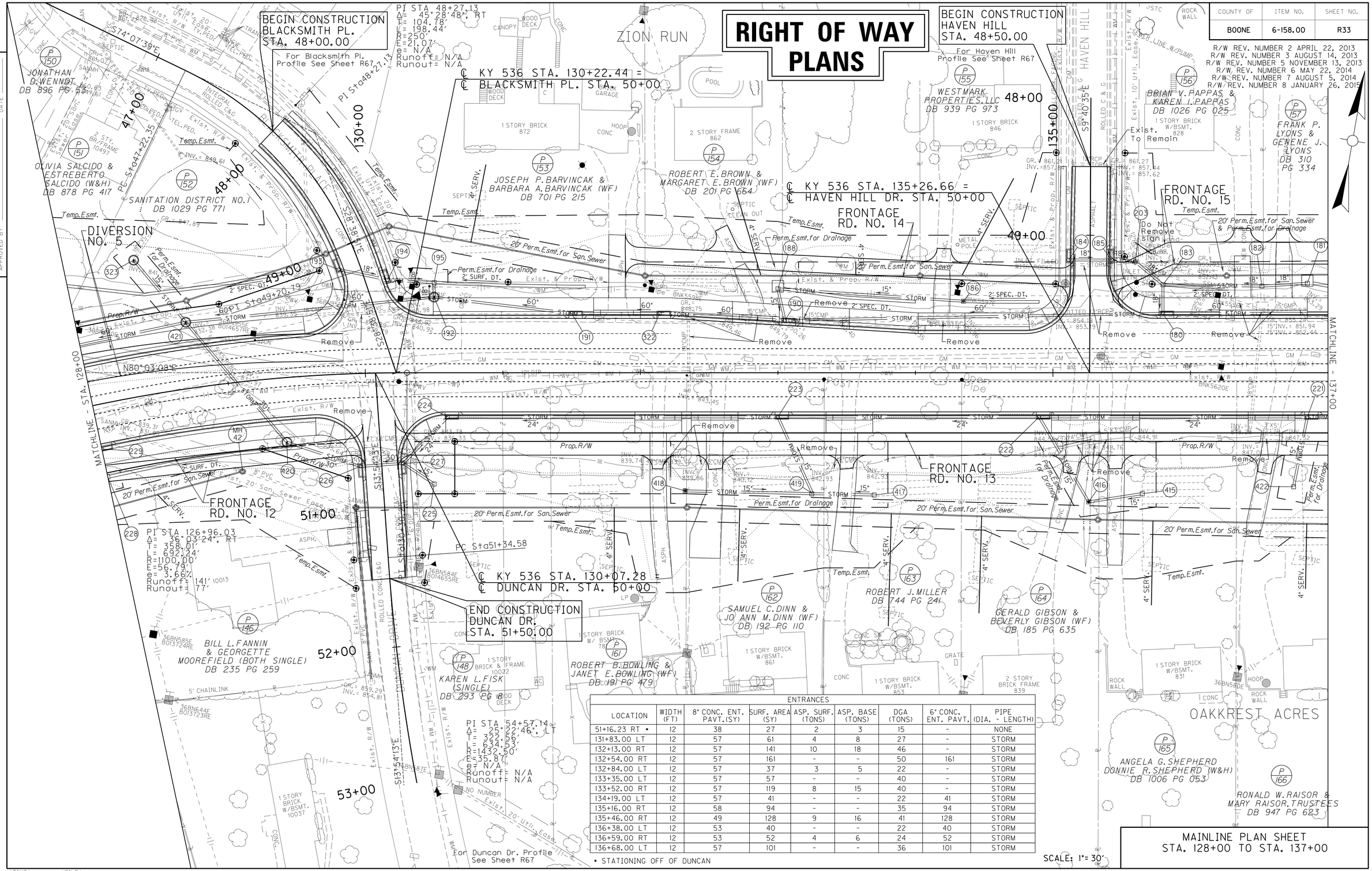
USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$TIME$ $DATE$ $FILE$

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R33

R/W REV. NUMBER 2 APRIL 22, 2013
R/W REV. NUMBER 3 AUGUST 14, 2013
R/W REV. NUMBER 5 NOVEMBER 13, 2013
R/W REV. NUMBER 6 MAY 22, 2014
R/W REV. NUMBER 7 AUGUST 5, 2014
R/W REV. NUMBER 8 JANUARY 26, 2015

RIGHT OF WAY PLANS



ENTRANCES								
LOCATION	WIDTH (FT)	8" CONC. ENT. PAVT.(SY)	SURF. AREA (SY)	ASP. SURF. (TONS)	ASP. BASE (TONS)	DGA (TONS)	6" CONC. ENT. PAVT.	PIPE (DIA. - LENGTH)
51+16.23 RT •	12	38	27	2	3	15	-	NONE
131+83.00 LT	12	57	61	4	8	27	-	STORM
132+13.00 RT	12	57	141	10	18	46	-	STORM
132+54.00 RT	12	57	161	-	-	50	161	STORM
132+84.00 LT	12	57	37	3	5	22	-	STORM
133+35.00 LT	12	57	57	-	-	40	-	STORM
133+52.00 RT	12	57	119	8	15	40	-	STORM
134+19.00 LT	12	57	41	-	-	22	41	STORM
135+16.00 RT	12	58	94	-	-	35	94	STORM
135+46.00 RT	12	49	128	9	16	41	128	STORM
136+38.00 LT	12	53	40	-	-	22	40	STORM
136+59.00 RT	12	53	52	4	6	24	52	STORM
136+68.00 LT	12	57	101	-	-	36	101	STORM

• STATIONING OFF OF DUNCAN

SCALE: 1"= 30'

MAINLINE PLAN SHEET
STA. 128+00 TO STA. 137+00

PREPARED BY DATE
CHECKED BY DATE
APPROVED BY DATE

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$TIME$ $FILE$

RIGHT OF WAY PLANS

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R33a

R/W REV. NUMBER 2 APRIL 22, 2013
R/W REV. NUMBER 5 NOVEMBER 13, 2013
R/W REV. NUMBER 7 AUGUST 5, 2014
R/W REV. NUMBER 8 JANUARY 26, 2014

RIGHT OF WAY ON THIS PROJECT WAS PURCHASED BY KYTC IN THE NAME OF CITY OF UNION.

RIGHT OF WAY ON THIS PROJECT WAS PURCHASED BY KYTC IN THE NAME OF FISCAL COURT OF BOONE COUNTY.

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

BEGIN R/W BLACKSMITH PL. STA. 47+85.00

BEGIN R/W HAVEN HILL STA. 48+40.00

ZION RUN

BLACKSMITH PL.

HAVEN HILL

DUNCAN DR.

KY 536

℄ KY 536 STA. 130+22.44 = ℄ BLACKSMITH PL. STA. 50+00

℄ KY 536 STA. 135+26.66 = ℄ HAVEN HILL DR. STA. 50+00

℄ KY 536 STA. 130+07.28 = N80°03'08"E ℄ DUNCAN DR. STA. 50+00

END R/W DUNCAN DR. STA. 51+55.00

PI STA 48+27.13
Δ= 45°28'48", RT
T= 104.78'
L= 198.44'
R=250'
E=21.07'
e= N/A
Runoff= N/A
Runout= N/A

PI STA 126+96.03
Δ= 36°03'24", RT
T= 358.01'
L= 692.24'
R=1100.00'
E=56.79'
e= 3.66%
Runoff= 141'
Runout= 77'

PI STA 54+57.14
Δ= 25°22'46", LT
T= 322.56'
L= 634.53'
R=1432.50'
E=35.87'
e= N/A
Runoff= N/A
Runout= N/A

P 150 JONATHAN D. WENNDT DB 896 PG 53

P 151 OLIVIA SALCIDO & ESTREBERTO SALCIDO (W&H) DB 878 PG 417

P 152 SANITATION DISTRICT NO.1 DB 1029 PG 771

P 153 JOSEPH P. BARVINCAK & BARBARA A. BARVINCAK (WF) DB 701 PG 215

P 154 ROBERT E. BROWN & MARGARET E. BROWN (WF) DB 201 PG 664

P 155 WESTMARK PROPERTIES, LLC. DB 939 PG 973

P 156 BRIAN V. PAPPAS & KAREN I. PAPPAS DB 1026 PG 025

P 157 FRANK P. LYONS & GENENE J. LYONS DB 310 PG 334

P 146 BILL L. FANNIN & GEORGETTA MOOREFIELD (BOTH SINGLE) DB 235 PG 259

P 148 KAREN L. FISK (SINGLE) DB 293 PG 8

P 161 ROBERT B. BOWLING & JANET E. BOWLING (WF) DB 191 PG 479

P 162 SAMUEL C. DINN & JO ANN M. DINN (WF) DB 192 PG 110

P 163 ROBERT J. MILLER DB 744 PG 241

P 164 GERALD GIBSON & BEVERLY GIBSON (WF) DB 185 PG 635

OAKKREST ACRES

P 165 ANGELA G. SHEPHERD DONNIE R. SHEPHERD (W&H) DB 1006 PG 053

P 166 RONALD W. RAISOR & MARY RAISOR, TRUSTEES DB 947 PG 623

1 R= 275.00' L= 20.00' Ch= 20.00' N33°24'18"W
2 R= 25.00' L= 15.04' Ch= 14.82' S17°25'08"E
5 R= 275.00' L= 136.87' Ch= 135.48' N42°15'50"W
6 R= 1158.00' L= 23.16' Ch= 23.16' S71°42'19"W
7 R=20.00' L=3.97' Ch=3.96' N15°21'33"W
8 S64°47'52"E 34.08'
9 N9°40'35"W 15.68'
10 R= 275.00' L= 15.91' Ch= 15.90' N29°39'50"W
11 R= 1457.50' L= 20.77' Ch= 20.77' S14°18'43"E
12 R= 1407.50' L= 20.06' Ch= 20.06' N14°18'43"W

MATCHLINE - STA. 128+00

MATCHLINE - 137+00

SCALE: 1"= 30'

MAINLINE R/W DETAIL PLAN SHEET
STA. 128+00 TO STA. 137+00

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$TIME$ $FILE$

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R34

R/W REV. NUMBER 3 AUGUST 14, 2013
R/W REV. NUMBER 6 MAY 22, 2014

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

DATUM

STA. 128+00, 53' RT.
1-DBI Ty B

STA. 128+75.64, 48.00' LT.
1-MH Ty C

STA. 129+39, 47.00' RT.
1-MH Ty C

STA. 129+95.82, 67.54' RT.
1-CBI Ty A

STA. 130+25.60, 66.10' RT.
1-CBI Ty A

STA. 130+50, 55.00' LT.
1-MH Ty C
STA. 130+60, 30.50' RT.
1-CBI Ty A

STA. 131+50, 41.50' LT.
1-CBI Ty A

STA. 132+14, 41.50' LT.
1-CBI Ty A

STA. 133+00, 30.50' RT.
1-CBI Ty A
STA. 133+95, 36.75' LT.
1-CBI Ty A

STA. 134+90, 30.50' RT.
1-CBI Ty A

STA. 135+80.00, 41.50' LT.
1-CBI Ty A

STA. 136+85, 30.50' RT.
1-CBI Ty A

LEFT SIDE
OFFSET 20'
VERTICALLY

For Duncan Dr., Blacksmith Pl.
& Haven Hill Profile
See Sheet R67

2' F.B. SURFACE
DITCH LEFT
1.00%

876 873 870 867 864 861 858 855 852 849 846 843 840 837 834 831

421 +50 844.98 +50 845.98
2' F.B. SPECIAL DITCH LEFT 6.66%
15" PIPE ELEV. = 836.19
30" PIPE ELEV. = 834.08
183.28 L.F. OF 60" PIPE @ So = 0.0248 ft/ft

OVERHEAD UTILITY ELEV. = 866.54

192 +51.50 848.28
2' F.B. SURFACE DITCH LEFT 1.05%
191 +60 849.42
18" PIPE ELEV. = 838.30
100.70 L.F. OF 60" PIPE @ So = 0.0140 ft/ft
185.51 L.F. OF 60" PIPE @ So = 0.0130 ft/ft
℄ DUNCAN DRIVE
℄ BLACKSMITH PLACE
224
226
227
420 +50 845.12
2' F.B. SPECIAL DITCH LEFT 1.00%
2' F.B. SURFACE DITCH RIGHT 1.77%
228 +01.50 842.49
1.70%
MATCHLINE STA. 128+00
15" PIPE ELEV. = 839.49
30" PIPE ELEV. = 835.79
56.09 L.F. OF 30" PIPE @ So = 0.0301 ft/ft
46.89 L.F. OF 24" PIPE @ So = 0.0190 ft/ft
31.33 L.F. OF 30" PIPE @ So = 0.0172 ft/ft
322
64.00 L.F. OF 60" PIPE @ So = 0.0140 ft/ft
91.24 L.F. OF 60" PIPE @ So = 0.0141 ft/ft
15" PIPE ELEV. = 838.88

190 +04.17 851.15
+00 853.10
2' F.B. SPECIAL DITCH LEFT NORMAL DEPTH
+90 854.18
+36.50 853.55
15" PIPE ELEV. = 842.14
V.P.I. 134+00.00
Elev. 853.97FT
S.S.D. = 1641.65 FT
200.00FT V.C.
279.34 L.F. OF 60" PIPE @ So = 0.0148 ft/ft
222
223
2' F.B. SPECIAL DITCH LEFT NORMAL DEPTH
15" PIPE ELEV. = 844.21
240 L.F. OF 24" PIPE @ So = 0.0169 ft/ft
190 L.F. OF 24" PIPE So = 0.0100 ft/ft

180 +25 855.41
+89.17 855.79
+81.50 854.77
2' F.B. SPECIAL DITCH LEFT NORMAL DEPTH
18" PIPE ELEV. = 845.96
134.00 L.F. OF 60" PIPE @ So = 0.0140 ft/ft
℄ HAVEN HILL
1.00%
221
MATCHLINE STA. 137+00
195 L.F. OF 18" PIPE @ So = 0.0100 ft/ft

SCALE: 1" = 30' HORIZONTAL
1" = 3' VERTICAL

RIGHT OF WAY PLANS

839.32	840.31	840.58	842.00	843.8	843.8	844.4	846.00	847.9	849.4	848.6	850.8	850.53	850.71	851.30	853.43	852.28	853.0	854.1	855.0
843.77	844.62	845.47	846.32	847.17	848.02	848.87	849.72	850.57	851.42	852.27	853.08	853.80	854.43	854.97	855.47	855.97	856.47	856.97	857.47
128+00	128+50	129+00	129+50	130+00	130+50	131+00	131+50	132+00	132+50	133+00	133+50	134+00	134+50	135+00	135+50	136+00	136+50	137+00	

PROFILE SHEET
MAINLINE
STA. 128+00 TO STA. 137+00

USER: $USER$$$
DATE: $DATE$$$$
FILE NAME: s:\file$specification$$$$
E-SHEET NAME:
$TIME$ $DATE$ $FILE$

RIGHT OF WAY PLANS

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R35

R/W REV. NUMBER 2 APRIL 22, 2013
R/W REV. NUMBER 6 MAY 22, 2014
R/W REV. NUMBER 8 JANUARY 26, 2015

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

PI STA 146+28.59
Δ= 29°42'49", LT
T= 571.90'
L= 1031.56'
LR= 1025'
E= 35.45'
e= 3.7%
Runoff= 144'
Runout= 77'

MATCHLINE - STA. 137+00

MATCHLINE - STA. 145+00

P 157 FRANK P. LYONS & GENENE J. LYONS DB 310 PG 334

P 187 AMY LOUISE TEEPEN & LEONARD J. TEEPEN (HUSB) DB 443 PG 307

P 158 CAROLYN K. WILHAM WALTER L. WILHAM (HUSB.) DB 243 PG 187 1 STORY BRICK & FRAME 804

P 159 LLOYD O. LAUGHLIN & BEVERLY J. LAUGHLIN (WF) DB 387 PG 21

P 160 LOWELL D. WOOD & RUTH WOOD (WF) DB 210 PG 115

P 181 JAMES A. McLAFFERTY & ANITA R. McLAFFERTY (WF) DB 730 PG 16

P 182 CAROLE R. DUNN DB 376 PG 79

FRONTAGE RD. NO. 15

FRONTAGE RD. NO. 13

OAKKREST ACRES

P 166 RONALD W. RAISOR & MARY RAISOR, TRUSTEES DB 947 PG 623

P 167 FRED PUCKETT III DB 977 PG 219

P 168 JAN M. HASTINGS DB 574 PG 120

P 169 SEDGLEY J. BROCKETT (UNREMARRIED WIDOW) DB 963 PG 648

P 170 RADELL HUNT (MARRIED) DB 885 PG 13

P 171 RONALD E. ARENDELL DB 824 PG 518

P 172 BONITA MADDOX FAMILY LIVING TRUST DB 1006 PG 243

P 173 STEPHEN RAY BURRUS & JUDITH KAY BURRUS (WF) DB 534 PG 34

P 174 MARY ANN TWOMBLY-NEAL & JERRY ALLEN NEAL (W&H) DB 766 PG 88

ENTRANCES

LOCATION	WIDTH (FT)	8" CONC. ENT. PAVT.(SY)	SURF. AREA (SY)	ASP. SURF. (TONS)	ASP. BASE (TONS)	DGA (TONS)	6" CONC. ENT. PAVT.	PIPE (DIA. - LENGTH)
137+42.37 LT	12	57	57			13	-	NONE
138+16.00 RT	12	57	154	11	19	48	-	15IN.-42FT.
138+62.00 LT	12	57	57	4	7	26	-	STORM
139+16.00 RT	12	57	94	-	-	35	94	NONE
140+17.00 RT	12	57	120	8	15	41	-	STORM
140+68.00 LT	12	57	84	6	10	32	-	STORM
140+71.00 RT	12	57	135	9	17	44	-	STORM
141+80.00 LT	14	60	127	9	16	43	-	STORM
142+72.00 RT	12	42	155	11	19	45	-	NONE
142+87.00 RT	12	42	162	11	20	47	-	STORM
144+10.00 LT	12	57	40	3	5	22	-	STORM
144+15.00 RT	12	57	161	11	20	50	-	STORM

MAINLINE PLAN SHEET
STA. 137+00 TO STA. 145+00

SCALE: 1"= 30'

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$TIME$ $FILE$

RIGHT OF WAY PLANS

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R35a

R/W REV. NUMBER 2 APRIL 22, 2013
R/W REV. NUMBER 5 NOVEMBER 13, 2013

RIGHT OF WAY ON THIS PROJECT WAS PURCHASED BY KYTC IN THE NAME OF CITY OF UNION.

RIGHT OF WAY ON THIS PROJECT WAS PURCHASED BY KYTC IN THE NAME OF FISCAL COURT OF BOONE COUNTY.

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

P 157 FRANK P. LYONS & GENENE J. LYONS DB 310 PG 334

P 187 AMY LOUISE TEEPEN & LEONARD J. TEEPEN (HUSB) DB 443 PG 307

P 158 CAROLYN K. WILHAM WALTER L. WILHAM (HUSB) DB 854 PG 050

P 159 LLOYD O. LAUGHLIN & BEVERLY J. LAUGHLIN (WF) DB 387 PG 21

P 160 LOWELL D. WOOD & RUTH WOOD (WF) DB 210 PG 115

P 181 JAMES A. McLAFFERTY & ANITA R. McLAFFERTY (WF) DB 730 PG 16

PI STA 146+28.59
Δ= 29° 42' 49", LT
T= 271.90'
L= 531.56'
R= 1025'
E= 35.45'
e= 3.7%
Runoff= 144'
Runout= 77'

P 182 CAROLE R. DUNN DB 376 PG 79

PC Sta 143+56.69

MATCHLINE - 137+00

MATCHLINE - STA. 145+00

140+00

KY 536

Temp.Esmt.for Slope & Entrance Construction

Temp.Esmt.for Slope Construction

20' Perm.Esmt.for San.Sewer

Perm.Esmt. for Drainage

Exist. & Prop. R/W

Prop.R/W

P 166 RONALD W. RAISOR & MARY RAISOR, TRUSTEES DB 947 PG 623

P 167 FRED PUCKETT III DB 977 PG 219

P 168 JAN M. HASTINGS DB 574 PG 120

P 169 SEDGLEY J. BROCKETT (UNREMARRIED WIDOW) DB 963 PG 648

P 170 RADELL HUNT (MARRIED) DB 885 PG 13

P 171 RONALD E. ARENDELL DB 824 PG 518

P 172 BONITA MADDOX FAMILY LIVING TRUST DB 1006 PG 243

P 173 STEPHEN RAY BURRUS & JUDITH KAY BURRUS (WF) DB 534 PG 34

P 174 MARY ANN TWOMBLY-NEAL & JERRY ALLEN NEAL (W&H) DB 766 PG 88

OAKKREST ACRES

R= 949.00' L= 209.24' Ch= 208.82' N69°33'48"E

R= 949.00' L= 691' Ch= 691.0' N77°57'58"E

R= 1106.00' L= 212.42' Ch= 212.10' S69°29'15"W

R= 1106.00' L= 33.01' Ch= 33.01' S75°50'41"W

R= 1176.00' L= 199.86' Ch= 199.61' N67°50'07"E

R= 1176.00' L= 83.83' Ch= 83.81' N74°44'45"E

R= 1075.00' L= 207.76' Ch= 207.44' S67°45'10"W

R= 1075.00' L= 21.36' Ch= 21.36' S79°28'59"W

R= 1075.00' L= 105.52' Ch= 105.48' S76°06'06"W

N84°32'56"E 100.43'

N84°32'56"E 101.79'

S84°32'15"W 100.43'

N73°41'05"E 201.86'

N73°41'05"E 194.27'

S09°56'52"E 19.52'

N09°56'52"W 14.94'

S84°32'15"W 96.62'

N84°32'56"E 103.06'

N80°03'08"E 56.69'

S79°37'00"W 91.96'

S79°37'00"W 94.94'

S79°37'00"W 90.86'

S79°37'00"W 52.61'

S79°37'00"W 164.76'

S79°37'00"W 52.74'

S79°37'00"W 97.05'

S80°12'36"W 106.94'

S80°12'36"W 130.68'

S80°12'36"W 124.48'

S80°03'08"W 156.95'

S80°03'08"W 64.72'

S80°03'08"W 76.92'

S80°03'08"W 124.48'

S80°03'08"W 100.00'

N80°12'36"E 124.48'

N80°12'36"E 100.00'

N80°12'36"E 3.63'

N9°59'02"W 20.12'

N9°58'48"W 20.10'

N10°20'39"W 11.09'

N4°41'12"E 25.80'

S4°41'12"W 20.34'

N5°40'35"W 8.75'

N75°14'5"E 67.27'

N75°14'5"E 69.90'

N12°03'21"W 45.30'

N10°30'00"W 44.75'

N16°47'20"W 46.22'

N12°03'21"W 17.94'

N16°47'20"W 20.06'

N68°40'53"E 0.80'

N68°39'01"E 82.45'

S68°39'01"W 111.75'

S68°39'01"W 81.42'

S68°39'01"W 0.80'

N28°18'54"W 27.80'

N28°18'54"W 20.15'

S68°40'53"W 24.01'

S10°08'00"E 46.76'

S10°30'00"E 63.86'

S18°05'30"W 22.38'

N4°39'20"E 45.83'

N9°47'34"W 44.00'

N9°47'34"W 43.72'

N9°47'34"W 43.45'

S9°47'34"E 43.11'

N82°25'14"E 0.42'

N82°25'14"E 100.07'

S82°25'14"W 0.97'

S82°25'14"W 100.07'

S82°25'14"W 74.59'

S82°25'14"W 100.07'

N8°08'58"E 99.59'

S8°08'58"W 99.04'

N01°15'27"W 60.13'

S00°58'35"E 61.04'

N09°56'48"W 43.00'

N68°59'02"W 20.93'

N68°59'02"W 40.88'

S09°56'52"E 54.61'

N09°56'52"W 58.28'

N8°24'41"E 87.69'

N8°24'41"E 80.21'

N8°24'41"E 12.86'

S8°24'41"W 82.51'

S8°24'41"W 74.87'

S8°24'41"W 52.15'

N88°38'49"W 20.40'

S80°03'08"W 102.44'

S80°03'08"W 52.56'

Perm.Esmt. for Drainage

Temp.Esmt.for Entrance Construction

Temp.Esmt.for Slope Construction

Temp.Esmt.for Slope & Entrance Construction

SCALE: 1"= 30'

MAINLINE R/W DETAIL PLAN SHEET
STA. 137+00 TO STA. 145+00

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$TIME$ $FILE$

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R36

R/W REV. NUMBER 2 APRIL 22, 2013
R/W REV. NUMBER 6 MAY 22, 2014

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

STA. 137+14, 41.50' LT.
I-CBI Ty A

STA. 139+65, 30.50' RT.
I-CBI Ty A

STA. 140+00, 50.00' LT.
I-MH Ty C

STA. 140+50, 50.00' RT.
I-MH Ty C

STA. 142+00, 53' LT.
I-DBI Ty 4

STA. 143+50, 50.00' RT.
I-MH Ty C

STA. 144+30, 56.00' LT.
I-DBI Ty 4

179 — 2' F.B. SURFACE DITCH LEFT 1.00% — +50 857.40

321 — OVERHEAD UTILITY ELEV. = 876.18

320 — 2' F.B. SPECIAL DITCH LEFT NORMAL DEPTH — +60 861.71 — +36.50 860.58

173 — +01.50 862.18 — 15" PIPE ELEV. = 857.21

429 — 2' F.B. SPECIAL DITCH LEFT NORMAL DEPTH — +95 864.53 — 15" PIPE ELEV. = 859.37

174 — +31.50 863.84 — 15" PIPE ELEV. = 863.88

OVERHEAD UTILITY ELEV. = 878.79

2' F.B. SPECIAL DITCH LEFT NORMAL DEPTH

200.43 L.F. OF 36" PIPE @ So = 0.0142 ft/ft

126.01 L.F. OF 36" PIPE @ So = 0.0233 ft/ft

100.00 L.F. OF 36" PIPE @ So = 0.0216 ft/ft

115 L.F. OF 36" PIPE @ So = 0.0150 ft/ft

36" PIPE ELEV. = 849.78

85.05 L.F. OF 36" PIPE @ So = 0.0465 ft/ft

42" PIPE ELEV. = 849.28

54" PIPE ELEV. = 848.28

286.08 L.F. OF 60" PIPE @ So = 0.0120 ft/ft

134.00 L.F. OF 60" PIPE @ So = 0.0140 ft/ft

LEFT SIDE OFFSET 20' VERTICALLY

V.P.I.139+50.00
Elev.859.47FT
200.00FT V.C.

220

412

409

1.00%

MATCHLINE STA. 137+00

MATCHLINE STA. 145+00

15" PIPE ELEV. = 858.25

156.85 L.F. OF 54" PIPE @ So = 0.0115 ft/ft

24" PIPE ELEV. = 851.92

300.00 L.F. OF 54" PIPE @ So = 0.0186 ft/ft

280.00 L.F. OF 15" PIPE @ So = 0.0100 ft/ft

54" PIPE ELEV. = 849.42

SCALE: 1" = 30' HORIZONTAL
1" = 3' VERTICAL

DATUM 882 879 876 873 870 867 864 861 858 855 852 849 846 843 840 837

| | | |

RIGHT OF WAY PLANS

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R37

R/W REV. NUMBER 2 APRIL 22, 2013
R/W REV. NUMBER 3 AUGUST 14, 2013
R/W REV. NUMBER 8 JANUARY 26, 2015

For North Tiburon Dr. Profile See Sheet R68

ENTRANCES

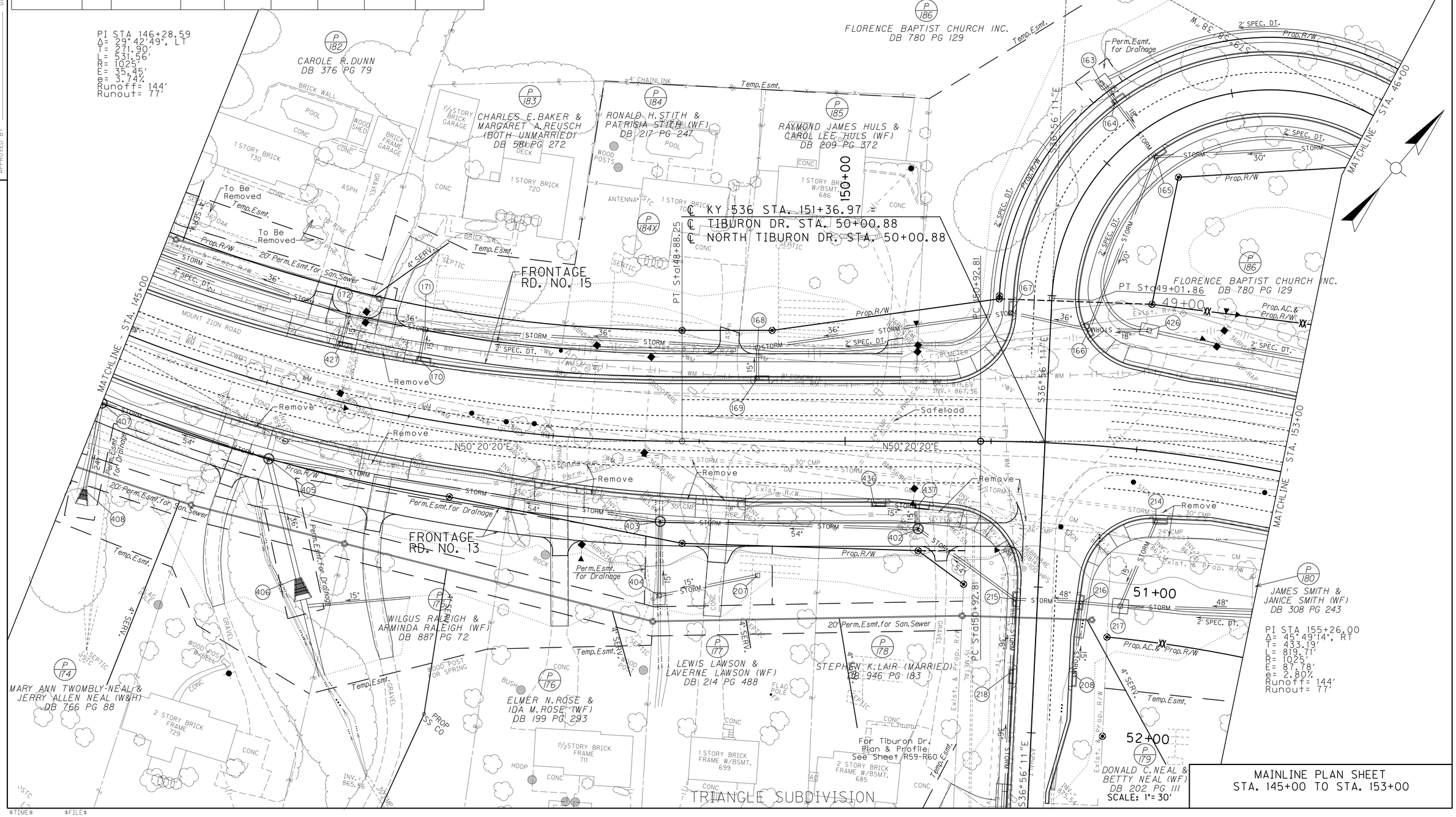
LOCATION	WIDTH (FT)	8" CONC. ENT. PAVT.(SY)	SURF. AREA (SY)	ASP. SURF. (TONS)	ASP. BASE (TONS)	DGA (TONS)	6" CONC. ENT. PAVT.	PIPE (DIA. - LENGTH)
145+96.00 RT	12	57	152	10	19	48	-	STORM
146+22.00 LT	12	57	41	3	5	22	-	STORM
146+71.50 LT	12	57	108	7	13	38	-	STORM
146+90.50 RT	12	57	152	10	19	48	-	15IN.-58FT.
148+06.75 RT	12	57	111	-	-	39	111	STORM
149+15.00 RT	12	57	89	-	-	34	89	STORM

PI STA 146+28.59
Δ= 29°42'49", LT
T= 271.90'
L= 531.56'
R= 1025'
E= 35.45'
e= 3.74%
Runoff= 144'
Runout= 77'

PI STA 48+40.14
Δ=116°54'49", LT
T= 244.36'
L= 306.08'
R= 150.00'
E= 136.73'
e= N/A
Runoff= N/A
Runout= N/A

PI Sta48+40.14

PI STA 155+26.00
Δ= 45°49'14", RT
T= 433.19'
L= 819.71'
R= 1025'
E= 87.78'
e= 2.80%
Runoff= 144'
Runout= 77'



MAINLINE PLAN SHEET
STA. 145+00 TO STA. 153+00
SCALE: 1"= 30'

PREPARED BY DATE
CHECKED BY DATE
APPROVED BY DATE

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$TIME$ $FILE$

RIGHT OF WAY PLANS

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R37a

R/W REV. NUMBER 2 APRIL 22, 2013
R/W REV. NUMBER 3 AUGUST 14, 2013
R/W REV. NUMBER 1, AUGUST 5, 2014

RIGHT OF WAY ON THIS PROJECT WAS PURCHASED BY KYTC IN THE NAME OF CITY OF UNION.

RIGHT OF WAY ON THIS PROJECT WAS PURCHASED BY KYTC IN THE NAME OF FISCAL COURT OF BOONE COUNTY.

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

PI STA 146+28.59
Δ= 29°42'49", LT
T= 271.90'
L= 531.56'
R= 1025'
E= 35.45'
e= 3.74%
Runoff= 144'
Runout= 77'

P 186 FLORENCE BAPTIST CHURCH INC. DB 780 PG 129

P 182 CAROLE R.DUNN DB 376 PG 79

P 183 CHARLES E.BAKER & MARGARET A.REUSCH (BOTH UNMARRIED) DB 581 PG 272

P 184 RONALD H.STITH & PATRICIA STITH (WF) DB 217 PG 247

P 184X Temp.Esmt.for Slope Construction and Removal of Improvements

P 185 RAYMOND JAMES HULS & CAROL LEE HULS (WF) DB 209 PG 372

Temp.Esmt.for Slope Construction and Removal of Improvements

150+00

N53°25'06"E 110.72'

N53°24'26"E 112.33'

N30°28'08"W 169.72'

S33°28'39"E 165.95'

PT Sta 148+88.25

PC Sta 150+92.81

Temp.Esmt.for Slope & Entrance Construction

Temp.Esmt.for Slope & Entrance Construction

20' Perm.Esmt.for San.Sewer

N66°32'22"E 139.28'

9.16'

15.08'

8.16'

S27°41'51"E

Exist. & Prop. R/W

R= 949.00' L= 209.24' Ch= 208.82' N69°33'48"E

R= 1106.00' L= 212.42' Ch= 212.10' S69°29'15"W

N23°55'38"W 9.91'

R= 949.00' L= 15.64' Ch= 15.64' N62°46'29"E

R= 949.00' L= 133.47' Ch= 133.36' N59°13'04"E

R= 949.00' L= 80.33' Ch= 80.31' N52°45'50"E

S30°28'08"E 12.84'

N50°20'20"E 39.56'

N50°20'20"E 22.18'

N47°26'29"E 101.89'

N47°26'29"E 55.20'

N33°28'39"W 17.82'

S54°10'46"W 111.93'

123.40' Exist. & Prop. R/W

S36°55'29"E 40.02'

S43°27'57"W 183.31'

R= 1106.00' L= 134.59' Ch= 134.50' S60°29'57"W

R= 1106.00' L= 8.30' Ch= 8.30' S56°47'53"W

R= 1176.00' L= 32.70' Ch= 32.70' N57°18'25"E

R= 1176.00' L= 99.81' Ch= 99.78' N60°32'07"E

R= 1176.00' L= 199.86' Ch= 199.61' N67°50'07"E

MATCHLINE - STA. 145+00

N80°03'08"E Exist. R/W

R= 1075.00' L= 207.76' Ch= 207.44' S67°45'10"W

Temp.Esmt.for Slope Construction

Prop.R/W

N26°32'00"W 45.85'

KY 536

N50°20'20"E

N54°10'46"E 67.02'

N84°11'20"E 28.66'

N57°31'58"E 85.81'

N57°31'58"E 100.32'

S36°16'40"E 58.30'

S37°05'00"E 27.31'

S37°05'00"E 23.02'

S68°40'53"W 20.92'

Perm.Esmt. for Drainage

S68°39'24"W 102.64'

S28°09'53"E 20.14'

S68°40'53"W 62.64'

N28°18'54"W 24.25'

N64°30'11"E 48.72'

S64°30'11"W 59.30'

S60°08'29"W 20.66'

S59°22'55"W 43.01'

S59°22'55"W 53.46'

N64°30'11"E 107.10'

20' Perm.Esmt.for San.Sewer

N64°30'11"E 109.01'

S64°30'11"W 110.18'

S64°30'11"W 108.81'

N51°43'35"W 55.07'

Perm.Esmt. for Drainage

S51°57'33"E 41.13'

S35°21'14"W 25.82'

Temp.Esmt.for Slope & Entrance Construction

Temp.Esmt.for Slope & Entrance Construction

Exist. Perm. Esmt.

S61°38'57"W 40.91'

S61°38'57"W 8.15'

S61°38'57"W 104.61'

S61°38'57"W 17.07'

Prop.R/W S52°06'34"W 93.98'

S52°06'34"W 67.85'

S36°16'40"E 46.72'

S64°30'11"W 0.57'

S39°39'40"E 40.05'

Perm.Esmt. for Drainage

N38°21'4"W 46.66'

Temp.Esmt.for Slope Construction

N49°17'44"E 100.20'

20' Perm.Esmt.for San.Sewer

N49°17'44"E 111.16'

S49°17'44"W 112.01'

S49°17'44"W 100.20'

S36°56'45"W 38.72'

6.49'

0.56'

20.21'

20.04'

20.04'

23.85'

Exist. & Prop. R/W

PC Sta 150+92.81

STEPHEN K.LAIR (MARRIED) DB 946 PG 183

Temp.Esmt.for Slope & Entrance Construction

TRIANGLE SUBDIVISION

P 174 MARY ANN TWOMBLY-NEAL & JERRY ALLEN NEAL (W&H) DB 766 PG 88

P 175 WILGUS RALEIGH & ARMINDA RALEIGH (WF) DB 887 PG 72

P 176 ELMER N.ROSE & IDA M.ROSE (WF) DB 199 PG 293

P 177 LEWIS LAWSON & LAVERNE LAWSON (WF) DB 214 PG 488

P 178

Perm.Esmt. for Drainage N13°25'47"E 27.31'

S72°45'03"E 19.00'

N80°23'24"W 19.00'

S36°56'11"E

S19°38'49"E

Prop. R/W

R= 186.00' L= 379.54' Ch= 317.04' N21°31'13"E

R= 186.00' L= 24.80' Ch= 24.78' S13°25'47"W

NORTH TIBURON DR.

MATCHLINE - STA. 46+00

S47°01'30"W 122.96'

Prop.R/W

S27°32'59"E 88.95'

P 186 FLORENCE BAPTIST CHURCH INC. DB 780 PG 129

PT Sta 49+01.86

49+00

S52°22'52"W 104.70'

N36°44'59"W 2.09'

N57°35'19"E 263.42'

Prop.A.C. & Prop.R/W

S67°42'00"W 223.49'

Begin A.C.

Exist. R/W

Prop. R/W

S36°56'11"E

TIBURON DR.

℄ KY 536 STA. 151+36.97 =
℄ TIBURON DR. STA. 50+00.88
℄ NORTH TIBURON DR. STA. 50+00.88

MATCHLINE - STA. 153+00

N56°56'58"E 98.44'

N37°05'00"W 58.43'

N37°05'22"W 62.06'

R= 895.00' L= 98.82' Ch= 98.77' S59°03'09"W

Prop.A.C. & Prop.R/W

51+00

Exist. R/W

P 179 DONALD C.NEAL & BETTY NEAL (WF) DB 202 PG 111

P 180 JAMES SMITH & JANICE SMITH (WF) DB 308 PG 243

576.93'

N37°05'00"W

End A.C.

Exist. & Prop. R/W

52+00

PI STA 155+58.85
Δ= 45°49'14", RT
T= 433.19'
L= 819.71'
R= 1025'
E= 87.78'
e= 3.74%
Runoff= 144'
Runout= 77'

MAINLINE R/W DETAIL PLAN SHEET
STA. 145+00 TO STA. 153+00

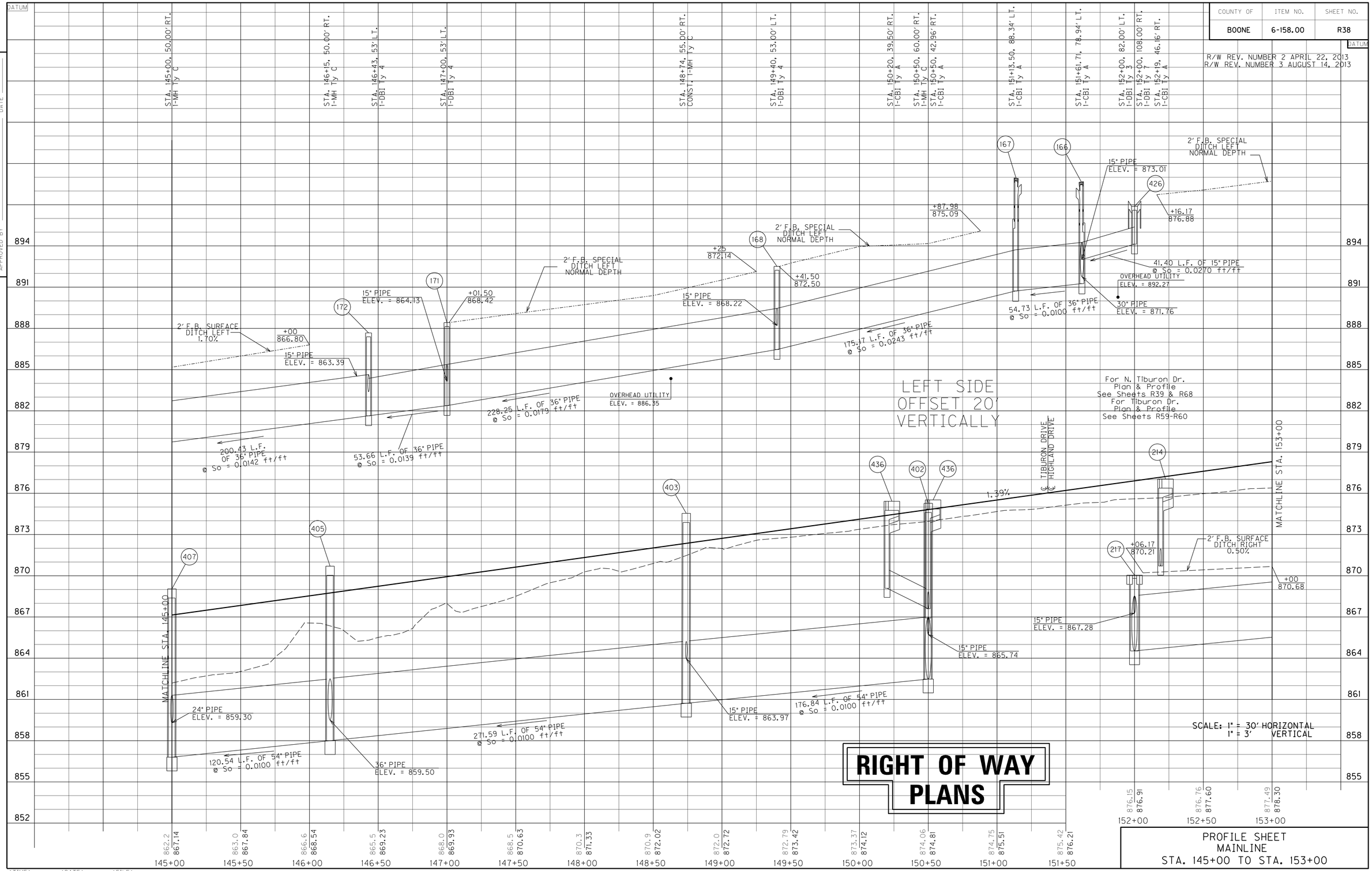
SCALE: 1"= 30'

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$TIME$ $FILE$

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R38

R/W REV. NUMBER 2 APRIL 22, 2013
R/W REV. NUMBER 3 AUGUST 14, 2013



PROFILE SHEET
MAINLINE
STA. 145+00 TO STA. 153+00

PREPARED BY DATE
CHECKED BY DATE
APPROVED BY DATE

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$TIME$ $DATE$ $FILE$

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R39

R/W REV. NUMBER 2 APRIL 22, 2013
R/W REV. NUMBER 3 AUGUST 14, 2013

DITCH CONSTRUCTION					
STATION	SIZE-SHAPE TYPE	LINING TYPE	QUANTITY	D	T
LT 152+50 TO 154+00	2'FB SPECIAL DT				
LT 154+00 TO 155+20	2' FB SURFACE DT				
LT 155+41 TO 157+50	2' FB SURFACE DT				
LT 157+50 TO 158+50	2' FB SPECIAL DT				
LT 158+50 TO 160+00	2' FB SPECIAL DT				

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$files$specification$$$$
E-SHEET NAME:

$TIME$ $FILE$

For North Tiburon Dr.
Profile See Sheet R68
For Florence Baptist Church Rd.
Profile See Sheet R69

℄ FLORENCE BAPTIST CHURCH RD. STA. 50+00.00=
℄ NORTH TIBURON DR. STA. 44+00.00

PT Sta48+76.54

PI Sta47+96.37

PI STA 47+96.37
Δ=60°18'15", RT
T= 98.75'
L= 178.93'
R= 170.00'
E= 26.60'
e= N/A
Runoff= N/A
Runout= N/A

48+00

49+00

PI Sta42+10.02

Temp.Esmt.

Perm.Esmt. for Water Main

2' SPEC. DT.

Prop.R/W

Exist. R/W

Remove

Exist. To Remain

MATCHLINE - STA. 46+00

MATCHLINE - STA. 153+00

S79°58'38"W

N84°11'08"W

PC Sta45+95.78

45+00

PI Sta155+26.00

PI Sta42+92.41

PC Sta41+26.36

40+00

160+00

BEGIN CONSTRUCTION
STA. 41+25

END CONSTRUCTION
STA. 153+00.00

FLORENCE BAPTIST CHURCH INC.
DB 780 PG 129
P 186

Prop.AC.& Prop.R/W

Prop.AC.

Exist. & Prop. R/W

Temp.Esmt.

2' SPEC. DT.

18" STORM

24" CPP

30" STORM

48" STORM

12" CPP

GRATE = 892.28
INV.= 887.28

GRATE = 886.70
INV.= 881.94

GRATE = 891.77
INV.= 879.85

GRATE = 892.43
INV.= 879.05

GRATE = 890.12
INV.= 885.62

GRATE = 885.55
INV.= 880.55

GRATE = 885.91
INV.= 880.72

GRATE = 879.98
24" INV.= 875.98
30" INV.= 875.49
15" INV.= 880.67

INV.= 883.22

INV.= 889.71

INV.= 869.13

INV.= 866.46
18" INV.= 866.94

GRATE = 888.98
INV.= 886.16N

BOLLARD

ASPHALT

GRAVEL

CONC.

Safelood

KY - 536

6' CHAINLINK

15" METAL

18" CMP

15"RCP

SSMH

36BN390E

36BN553E

36BN390E

36BN389E
B022438E

36BN1103E

TELE. BOX

WATER VAULT

ELEC. BOX

12" PVC

8" DIP

SGV

WM

OHW

GM

C&G

SIGN

JAMES SMITH &
JANICE SMITH (WF)
DB 308 PG 243
P 180
P 180X

See Sheet R59
for Parcel 180

PI STA 155+26.00
Δ= 45°49'14", RT
T= 433.19'
L= 819.71'
R= 1025'
E= 87.78'
e= 2.80%
Runoff= 144'
Runout= 77'

DITCH CONSTRUCTION					
STATION	SIZE-SHAPE TYPE	LINING TYPE	QUANTITY	D	T
RT 153+00 TO 153+50	2' FB SURFACE DT	SOD	44 SY	1	
RT 153+62 TO 154+75	2' FB SURFACE DT	SOD	100 SY	1	

RIGHT OF WAY PLANS

SCALE: 1"= 30'

MAINLINE PLAN SHEET
STA. 153+00 TO STA. 159+00

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R39a

R/W REV. NUMBER 2 APRIL 22, 2013
R/W REV. NUMBER 3 AUGUST 14, 2013

RIGHT OF WAY PLANS

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

℄ FLORENCE BAPTIST CHURCH RD. STA. 50+00.00=
℄ NORTH TIBURON DR. STA. 44+00.00

48+00

PT Sta 48+76.54

+30 210.00

+00 220.00

+00 105.00

+50 100.00

Temp. Esmt.

N79°58'38"E 20.00'

Perm. Esmt. for Water Main

+68.50 58.00

+48.50 58.00

N10°01'31"W 22.00'

S10°01'31"E 22.00'

Temp. Esmt.

S4°58'38"W

Exist. R/W 55.34'

S86°52'36"E 49.41'

+48.11 85.32

+00 74.08

P 186

FLORENCE BAPTIST CHURCH INC.
DB 780 PG 129

PI Sta 42+10.02

S86°52'36"E 218.07'

49+00

Prop. R/W

N79°58'38"E 20.00' 222.56'

+95.78 36.00

+68.50 36.00

+48.50 36.00

+40 36.00

+73.22 36.00

Exist. & Prop. R/W

MATCHLINE - STA. 46+00

S79°58'38"W

NORTH TIBURON DR.

+92 36.00

PC Sta 45+95.78

S79°58'38"W Prop. R/W 182.12'

+09.88 36.00

N16°57'30"E 60.78'

S79°58'38"W 109.88'

Prop. R/W

P 186

FLORENCE BAPTIST CHURCH INC.
DB 780 PG 129

45+00

55+00

27.30'

Exist. & Prop. R/W

+42.89 150.88

+36.88 124.79

26.97'

N57°35'19"E 134.47'

Prop. AC.

PI Sta 155+26.00

+00 36.00

PT Sta 42+92.41

Prop. AC. & Prop. R/W

N89°58'29"E 188.42'

PC Sta 41+26.56

+00 40.00

N84°11'08"E 263.53'

+00 56.66

S86°52'36"E 263.53'

Exist. R/W

+36.02 69.05

+78.38 223.03

S82°16'00"E 99.08'

+13.36 224.20

N4°07'29"E 156.80'

RIGHT OF WAY ON THIS PROJECT WAS PURCHASED BY KYTC IN THE NAME OF CITY OF UNION.

RIGHT OF WAY ON THIS PROJECT WAS PURCHASED BY KYTC IN THE NAME OF FISCAL COURT OF BOONE COUNTY.

N57°35'19"E 263.18'

S5°37'21"E 41.29'

Prop. AC. & Prop. R/W

S67°42'00"W 223.49'

Exist. R/W

+25.66 79.13

END CONSTRUCTION
STA. 153+00.00

N6°20'20"E

MATCHLINE - STA. 153+00

KY 536

160+00

PT 159+12.52

END R/W
STA. 160+60.33

END R/W
STA. 153+00

+46.02 71.35

N66°55'18"E 141.04'

Exist. R/W

Exist. R/W

S24°11'05"E 58.82'

R= 895.00'
L= 127.27'
Ch= 127.16'
S66°17'21"W

N37°05'22"W 62.06'

+05.28 130.00

+51.03 130.00

Prop. AC. & Prop. R/W

+11.10 160.00

N27°05'22"W 510.12'

P 180X

Temp. Esmt. for Slope Construction and Building Removal

P 180

See Sheet R59 for Parcel 180

JAMES SMITH &
JANICE SMITH (WF)
DB 308 PG 243

S24°11'05"E 494.73'

Exist. R/W

SCALE: 1"= 30'

MAINLINE R/W DETAIL PLAN SHEET
STA. 153+00 TO STA. 159+00

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$TIME$ $FILE$

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R40

R/W REV. NUMBER 2 APRIL 22, 2013
R/W REV. NUMBER 3 AUGUST 14, 2013

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

DATUM

909 906 903 900 897 894 891 888 885 882 879 876 873 870 867 864 861 858

STA. 153+50, 88.00' RT.
1-DBI Ty 7

STA. 155+50, 101.00' RT.
1-DBI Ty 7

STA. 157+00, 91.75' RT.
1-MH Ty C

STA. 157+90.82, 102.49' RT.
EX. 15" HW

V.P.I.160+50.00
Elev.888.76FT

1.39%

For Florence Baptist Church Entrance Profile
See Sheet R69

MATCHLINE STA. 153+00

210

431

430

438

181.73 L.F. OF 48" PIPE
@ So = 0.0100 ft/ft

137.00 L.F. OF 48" PIPE
@ So = 0.0100 ft/ft

CONST. 136.09 L.F. OF 48" PIPE
@ So = 0.0126 ft/ft

82.88 L.F. OF EX. 15" METAL PIPE
@ So = 0.0243 ft/ft

SCALE: 1" = 30' HORIZONTAL
1" = 3' VERTICAL

RIGHT OF WAY PLANS

877.49	878.24	878.98	879.77	880.50	881.16	882.01	882.74	883.47	884.26	885.09	885.96	886.80	887.60					
878.30	879.00	879.69	880.39	881.09	881.79	882.48	883.18	883.88	884.58	885.27	885.97	886.67	887.37					
153+00	153+50	154+00	154+50	155+00	155+50	156+00	156+50	157+00	157+50	158+00	158+50	159+00	159+50					

MAINLINE
PROFILE SHEET
STA. 153+00 TO STA. 159+00

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$TIME$ $DATE$ $FILE$

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R41

R/W REV. NUMBER 1 JANUARY 25, 2013
R/W REV. NUMBER 2 APRIL 22, 2013
R/W REV. NUMBER 3 AUGUST 14, 2013
R/W REV. NUMBER 4 AUGUST 29, 2013
R/W REV. NUMBER 5 NOVEMBER 13, 2013
R/W REV. NUMBER 6 MAY 22, 2014
R/W REV. NUMBER 9 APRIL 24, 2015
R/W REV. NUMBER 10 MAY 17, 2016

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

BEGIN CONSTRUCTION
OLD UNION RD.
STA. 45+60.27

PI STA 46+79.70
Δ= 3°17'51", LT
T= 27.33'
L= 54.64'
R= 1000.00'
E= 0.37'
e= N/A
Runoff= N/A
Runout= N/A

DITCH CONSTRUCTION					
	SIZE-SHAPE	LINING			
STATION	TYPE	TYPE	QUANTITY	D	T
LT 46+33 TO 48+23	2' FB SPECIAL DT	SOD	169 SY	1	

6" PVC PIPE
Sta. 48+46 to Sta. 48+78
Construct 3 - 6" PVC Pipes and connect to downspouts - 96 L.F.

UNION BAPTIST CHURCH
DB 838 PG 482
DB 759 PG 90
DB 296 PG 79
DB 277 PG 297
DB 149 PG 393
DB 762 PG 212
DB 435 PG 282
DB 949 PG 402
DB 959 PG 929

℄ KY 536 STA. 24+37.76 =
℄ OLD UNION RD. STA. 50+20.90

℄ KY 536 STA. 24+28.92 =
℄ OLD UNION RD. STA. 49+80.87

6" PVC Pipe - Connect to Downspout

1st Perf. Pipe

CINCINNATI BELL TELEPHONE CO. (AN OHIO CORP.) DB 521 PG 96

LND, LLC DB 926 PG 149

KRISTINE A. CHESTNUT, TRUSTEE DB 943 PG 901

PI STA 53+03.23
Δ= 15°21'17", LT
T= 193.10'
L= 383.89'
R= 1432.50'
E= 12.96'
e= N/A
Runoff= N/A
Runout= N/A

END CONSTRUCTION
OLD UNION RD.
STA. 53+40.40

℄ OLD UNION RD.
STA. 45+84.69
℄ MT. ZION RD.
No. 1
STA. 25+85.47

℄ OLD UNION RD.
STA. 46+00 =
℄ HATHAWAY RD.
STA. 50+00

PI Sta 48+64.77

PC Sta 47+31.73

PT Sta 22+13.60

STUART R. FERGUSON
DB 836 PG 650

SREESAI, LLC
DB 978 PG 922

THOMAS J. VOLPENHEIN (MARRIED)
DB 654 PG 81

TERRY N. TANNER & DONNA SUE TANNER (WF)
DB 276 PG 97
DB 283 PG 134
DB 316 PG 148

DAVID P. BRUN & MARY DENISE BRUN (WF)
DB 332 PG 248

JAMES R. HARPER, SR. & JOYCE HARPER (WF)
DB 748 PG 243

THE CITY OF UNION, KENTUCKY
DB 952 PG 791

OLD UNION ROAD

Remove Exist. Channel Lining

Remove Ex. 20'x6' RCBC

Remove

Sawcut

SAWCUT
Lt. & Rt. Sta. 53+40.40 Old Union Rd.
Sawcut 26 L.F.

℄ KY 536 STA. 23+94.65 =
℄ OLD UNION RD. STA. 50+17.73

℄ KY 536 STA. 23+82.87 =
℄ OLD UNION RD. STA. 49+77.48

BEGIN CONSTRUCTION
HATHAWAY RD.
STA. 47+57

MATCHLINE - STA. 47+00
For Hathaway Rd. continuation, See Sheet 5.

REMOVE STRUCTURE
Lt. & Rt. Sta. 47+66 to Sta. 47+86
Hathaway Rd.
Remove Structure 20'x6' RCBC - Lump Sum

REMOVE PAVEMENT
Lt. & Rt. Sta. 47+00 to Sta. 47+57
Hathaway Rd.
Remove Pavement 161 S.Y.

STEEL "W" BEAM GUARDRAIL
Lt. & Rt. Sta. 48+08 Hathaway Rd.
Construct Guardrail 75.00 L.F. w/ Terminal Section Ty. 1 - 2 Each & Bi-Dir. Delineators for Guardrail - White - 2 Each

REMOVE GUARDRAIL
15.50' Lt. Sta. 47+00 to 35.70' Lt. Sta. 48+08 Hathaway Rd.
Remove Guardrail 112.50 L.F.
35.87' Rt. Sta. 47+45 to 35.70' Lt. Sta. 48+07 Hathaway Rd.
Remove Guardrail 87.50 L.F.

ENTRANCES								
LOCATION	WIDTH (FT)	8" CONC. ENT. PAVT.(SY)	SURF. AREA (SY)	ASP. SURF. (TONS)	ASP. BASE (TONS)	DGA (TONS)	6" CONC. ENT. PAVT.	PIPE (DIA. - LENGTH)
47+45.95 RT •	12	38	42	3	8	18	-	STORM
51+32.07 LT •	14	95	184	13	33	64	-	NONE
51+94.16 LT •	26.5	53	117	-	-	39	117	NONE
52+82.86 LT •	24.4	51	76	5	14	29	-	STORM

• STATIONING OFF OF OLD UNION ROAD

RIGHT OF WAY PLANS

OLD UNION ROAD PLAN SHEET

SCALE: 1"= 30'

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:
$TIME$ $FILE$

RIGHT OF WAY PLANS

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R41a

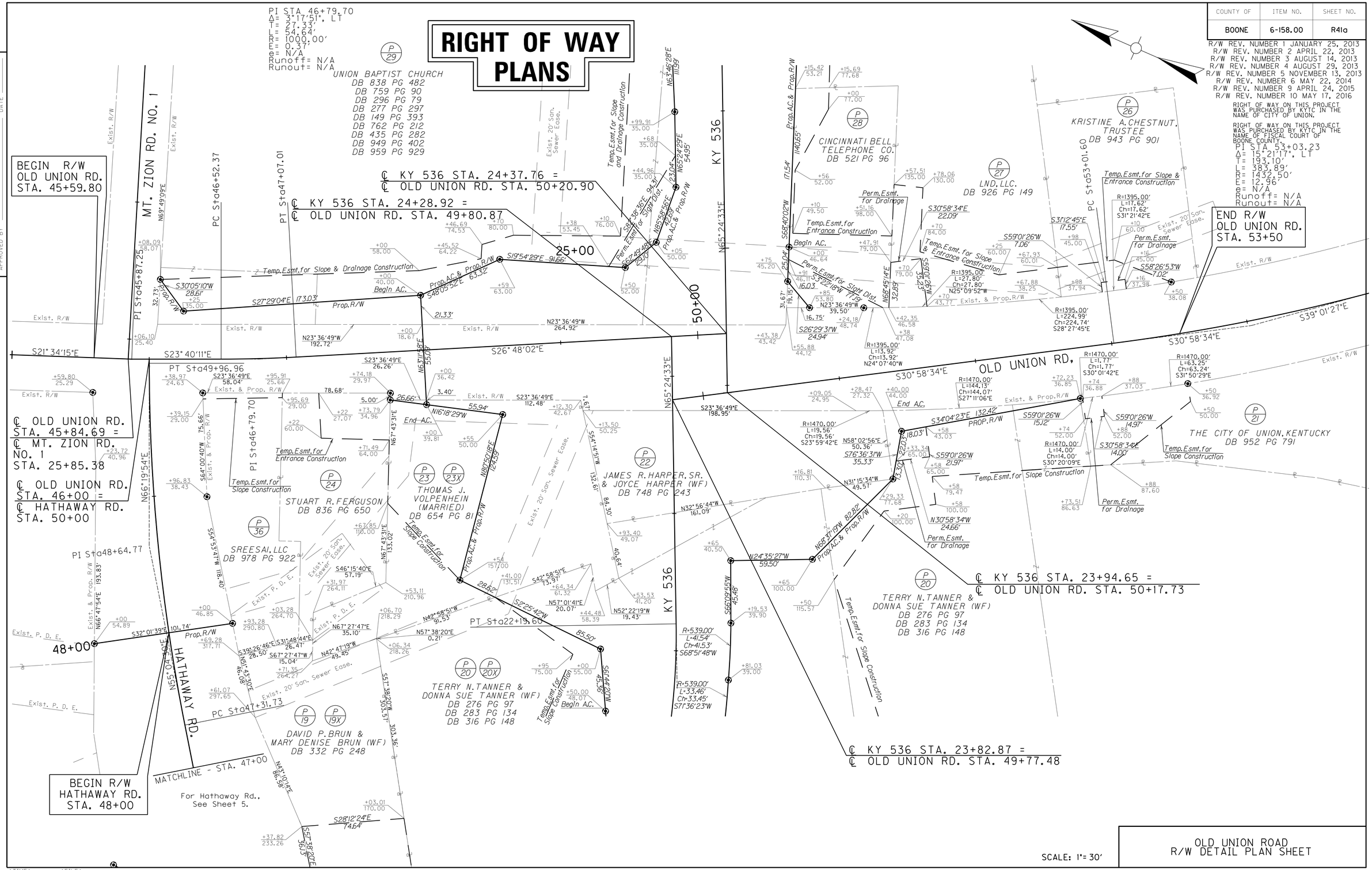
R/W REV. NUMBER 1 JANUARY 25, 2013
R/W REV. NUMBER 2 APRIL 22, 2013
R/W REV. NUMBER 3 AUGUST 14, 2013
R/W REV. NUMBER 4 AUGUST 29, 2013
R/W REV. NUMBER 5 NOVEMBER 13, 2013
R/W REV. NUMBER 6 MAY 22, 2014
R/W REV. NUMBER 9 APRIL 24, 2015
R/W REV. NUMBER 10 MAY 17, 2016

RIGHT OF WAY ON THIS PROJECT WAS PURCHASED BY KYTC IN THE NAME OF CITY OF UNION.

RIGHT OF WAY ON THIS PROJECT WAS PURCHASED BY KYTC IN THE NAME OF FISCAL COURT OF BOONE COUNTY.

PI STA 53+03.23
Δ= 15°21'17", LT
T= 193.10'
L= 383.89'
R= 1432.50'
E= 12.96'
e= N/A
Runoff= N/A
Runout= N/A

PI STA 46+79.70
Δ= 3°17'51", LT
T= 27.33'
L= 54.64'
R= 1000.00'
E= 0.37'
e= N/A
Runoff= N/A
Runout= N/A



SCALE: 1"= 30'

OLD UNION ROAD
R/W DETAIL PLAN SHEET

PREPARED BY DATE
CHECKED BY DATE
APPROVED BY DATE

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$TIME$ $FILE$

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R42

R/W REV. NUMBER 2 APRIL 22, 2013
R/W REV. NUMBER 5 NOVEMBER 13, 2013

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

DATUM 858 855 852 849 846 843 840 837 834 831 828 825 822

STA. 47+10, 14.00' LT.
I-CBI Ty A SAG
STA. 47+10, 14.00' RT.
I-CBI Ty A SAG

STA. 48+82.51, 23.56' RT.
I-MH Ty C

STA. 52+50, 14.00' LT.
I-CBI Ty A

STA. 52+81, 14.00' LT.
I-DBI Ty 1B
STA. 52+81, 14.00' LT.
I-CBI Ty A SAG

STA. 53+05, 36.44' LT.
I-DBI Ty 3

266

2' F.B. SURFACE DITCH LEFT 9.70%

+23 829.50

+00 827.27

OVERHEAD UTILITY ELEV. = 844.93

OVERHEAD UTILITY ELEV. = 848.46

+33 826.47

2' F.B. SPECIAL DITCH LEFT -0.79%

+08.50 825.87

+11.50 825.87

OVERHEAD UTILITY ELEV. = 845.71

2' F.B. SPECIAL DITCH LEFT -0.79%

OVERHEAD UTILITY ELEV. = 843.08

18" PIPE ELEV. = 821.50

15" PIPE ELEV. = 821.75

LEFT SIDE OFFSET 20' VERTICALLY

OVERHEAD UTILITY ELEV. = 847.37

269

272

15" PIPE ELEV. = 821.98

OVERHEAD UTILITY ELEV. = 848.57

274

+50 825.45

+11.61 825.25

15" PIPE ELEV. = 822.39

2' F.B. SURFACE DITCH LEFT -0.50%

41.03 L.F. OF 15" PIPE @ So = 0.0100 ft/ft

31.82 L.F. OF 24" PIPE @ So = 0.0150 ft/ft

24" PIPE ELEV. = 821.23

LEFT SIDE OFFSET 20' VERTICALLY

See KY 536 - Mt Zion Rd./ Old Union Rd. Roundabout (RAB) Plans

V.P.I. 49+32.42
Elev. 831.00FT

V.P.I. 50+66.10
Elev. 830.99FT

26

267

V.P.I. 46+03.69
Elev. 827.01FT

-0.28%

V.P.I. 47+50.00
Elev. 826.60FT
100.00FT V.C.
S.S.D. = 354.39 FT

2.41%

18" PIPE ELEV. = 821.19

172.71 L.F. OF 18" PIPE @ So = 0.0086 ft/ft

42" PIPE ELEV. = 819.59

8" PIPE ELEV. = 819.71

-2.39%

268

V.P.I. 52+50.00
Elev. 826.60FT
100.00FT V.C.
S.S.D. = 285.27 FT

V.P.I. 53+40.40
Elev. 827.13FT

0.59%

24" PIPE ELEV. = 820.93

SCALE: 1" = 30' HORIZONTAL
1" = 3' VERTICAL

826.99 826.97 826.88 826.83 826.74 826.40 826.94 826.01 827.69 825.72 829.00 825.5 830.94 825.7 830.80 826.12 828.90 826.37 827.71 826.51 826.97 826.80 826.89 827.18 827.9 828.4

RIGHT OF WAY PLANS

PROFILE SHEET
OLD UNION ROAD
STA. 47+00 TO STA. 53+00

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$TIME$ $DATE$ $FILE$

RIGHT OF WAY PLANS

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R43

R/W REV. NUMBER 5 NOVEMBER 13, 2013
R/W REV. NUMBER 6 MAY 22, 2014
R/W REV. NUMBER 7 AUGUST 5, 2014

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

DITCH CONSTRUCTION					
	SIZE-SHAPE	LINING			
STATION	TYPE	TYPE	QUANTITY	D	T
LT 391+79 TO 393+85	2' FB SPECIAL DT				
LT 394+06 TO 398+00	2' FB SPECIAL DT				

For Appr. Rd. Profile, See Sheet R63.
For Appr. Rd. Cross Sections, See Sheets X155-157.

℄ U.S. 42 STA. 393+10.64 =
℄ APPR. RD. 50+00

BEGIN CONSTRUCTION
U.S. 42
STA. 391+65

P 33 THE MULDOON FAMILY LIMITED PARTNERSHIP DB 909 PG 761 DB 815 PG 441

P 25 ALBERT R.BARLOW & LINDA L.BARLOW (WF) DB 186 PG 123

P 31 COLLETT FAMILY LLC DB 946 PG 056

P 34 THE MULDOON FAMILY LIMITED PARTNERSHIP DB 815 PG 441

P 35 ROBERT L.NEWMAN DONNA J.NEWMAN DB 214 PG 114

P 32 COLLETT FAMILY LLC DB 946 PG 056

390+00 395+00 47+00 48+00 49+00 51+00 52+00 53+00

MATCHLINE - STA. 398+00

Exist. A.C. & Exist. R/W
Prop.AC.& Prop.R/W
Temp.Esmt.
Perm.Esmt. for Drainage
Begin AC.
End AC.
2' SPEC. DT.
Exist. to Remain
N2°52'15"W
ASPH PARKING
WM
STORM
24" CMP
18" CMP
15"
18"
GR.= 865.49 INV.= 843.87
GR.= 855.56 INV.= 850.10
GR.= 866.09 INV.= 838.72
GR.= 866.16 INV.= 840.82

DITCH CONSTRUCTION					
	SIZE-SHAPE	LINING			
STATION	TYPE	TYPE	QUANTITY	D	T
RT 391+65 TO 392+50	2' FB SPECIAL DIT	SOD			
RT 392+50 TO 398+00	2' FB SPECIAL DIT	SOD			

SCALE: 1"= 30'

U. S. 42 PLAN SHEET
STA 391+65 TO STA 398+00

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:
$TIME$ $FILE$

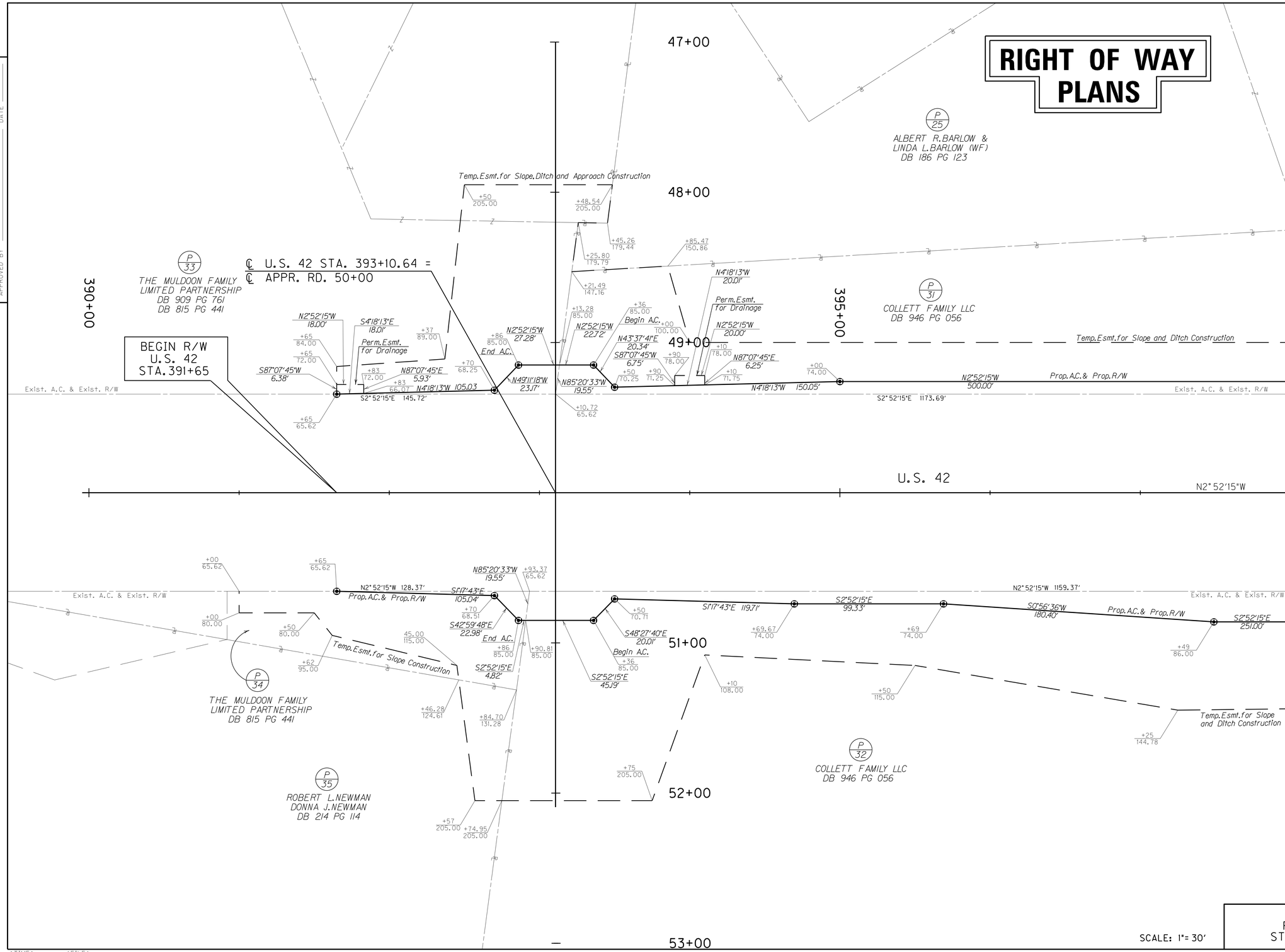
COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R43a

R/W REV. NUMBER 5 NOVEMBER 13, 2013
R/W REV. NUMBER 6 MAY 22, 2014
R/W REV. NUMBER 7 AUGUST 5, 2014

RIGHT OF WAY ON THIS PROJECT WAS PURCHASED BY KYTC IN THE NAME OF CITY OF UNION.

RIGHT OF WAY ON THIS PROJECT WAS PURCHASED BY KYTC IN THE NAME OF FISCAL COURT OF BOONE COUNTY.

RIGHT OF WAY PLANS



SCALE: 1"= 30'

U. S. 42
R/W DETAIL PLAN SHEET
STA 391+65 TO STA 398+00

PREPARED BY DATE
CHECKED BY DATE
APPROVED BY DATE

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$TIME$ $FILE$

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R44

R/W REV. NUMBER 5 NOVEMBER 13, 2013

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

LEFT SIDE OFFSET 20' VERTICALLY

STA. 394+00, 39.88' LT. I-MH Ity A
STA. 394+00, 44.00' RT. I-CBI Ity A
STA. 396+95.29, 37.97' LT. I-MH Ity A
STA. 396+97.30, 38.48' RT. I-CBI Ity A
STA. 397+50, 46.00' LT. I-CBI Ity A
STA. 397+53, 58.00' RT. I-CBI Ity A

355
350
18" Ex./Prod. PIPE
ELEV. = 858.79
55.56 L.F. OF 18" PIPE @ So = 0.0430 ft/ft
357
18" Ex./Prop. PIPE
ELEV. = 853.18
352
+37.59 855.07
+74.78 855.32
+78.76 853.95
+81.64 854.69
2' F.B. SPECIAL DITCH LEFT @ 0.68%
15" PIPE
ELEV. = 849.12
18" & 24" Ex. PIPE
ELEV. = 848.87
V.P.I. 393+00.00
Elev. 858.51FT
For Appr. Rd. 393+10.64 Profile, See Sheet R63.
For Appr. Rd. Cross Sections, See Sheets R140-142.
℄ APPROACH 393+10.64
336
2' F.B. SPECIAL DITCH RIGHT NORMAL DEPTH
2' F.B. SPECIAL DITCH RIGHT 6.84%
+00 858.57
+06.17 858.57
2' F.B. SPECIAL DITCH LEFT NORMAL DEPTH
353
356
18" Ex./Prop. PIPE
ELEV. = 860.87
15" PIPE
ELEV. = 861.75
59.59 L.F. OF 18" PIPE @ So = 0.0105 ft/ft
172.00 L.F. OF 15" PIPE @ So = 0.0156 ft/ft
MATCHLINE STA. 398+00
V.P.I. 391+65.00
Elev. 855.59FT
354
2' F.B. SPECIAL DITCH RIGHT 1.34%
2' F.B. SPECIAL DITCH RIGHT 2.16%
2' F.B. SPECIAL DITCH RIGHT 0.68%
2.17%
56 L.F. OF 18" PIPE
+32.64 855.06
+50 855.15
+00 854.13
+50 853.46
+07 852.53
+81.64 854.69
15" PIPE
ELEV. = 850.35
18" Ex. PIPE
ELEV. = 850.10
226.73 L.F. OF 15" PIPE @ So = 0.0181 ft/ft
V.P.I. 393+00.00
Elev. 858.21FT

SCALE: 1" = 30' HORIZONTAL
1" = 3' VERTICAL

RIGHT OF WAY PLANS

PROFILE SHEET
U.S. 42
STA. 391+65 TO STA. 398+00

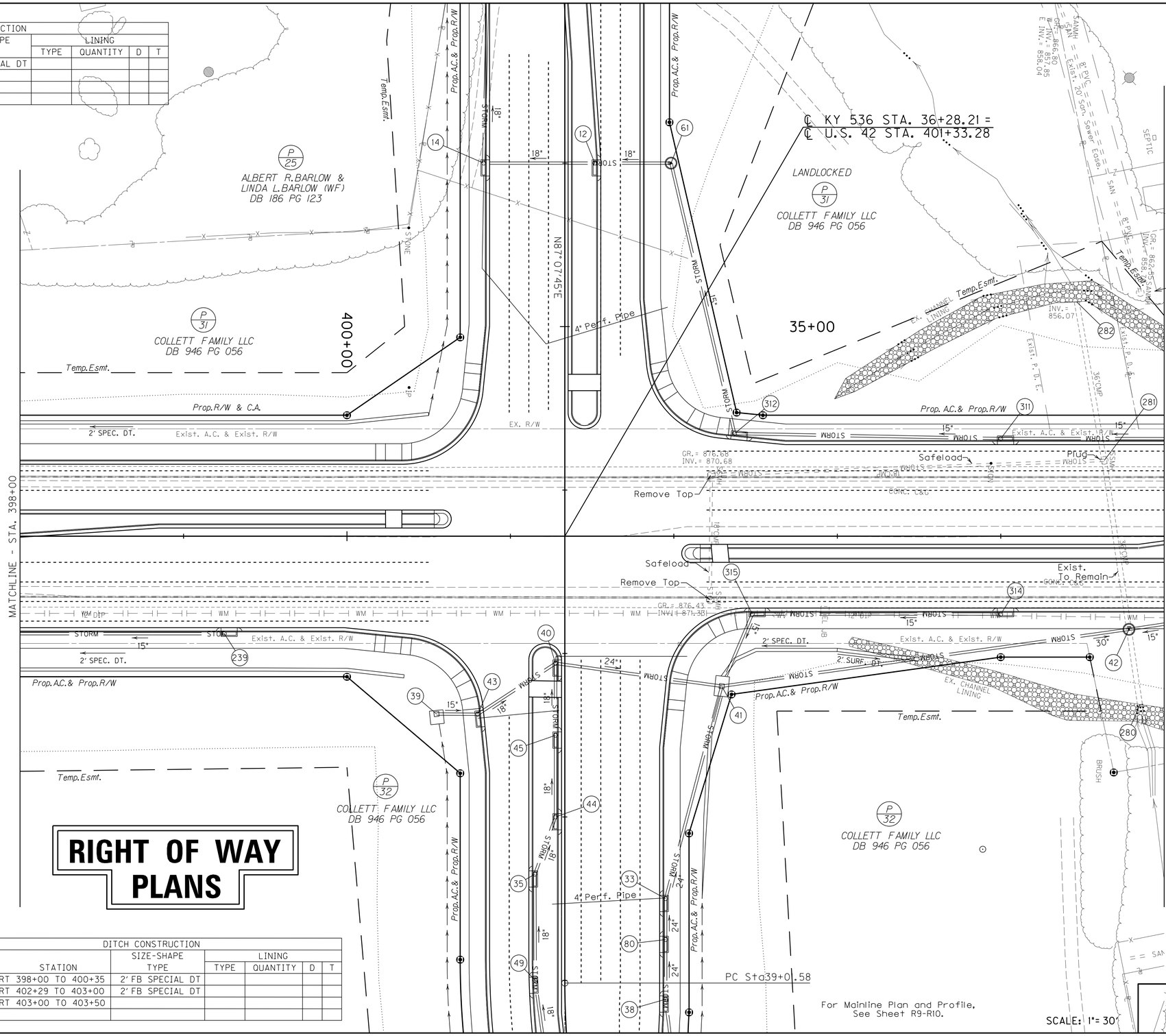
USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$TIME$ $DATE$ $FILE$

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R45

R/W REV. NUMBER 1 JANUARY 25, 2013
R/W REV. NUMBER 5 NOVEMBER 13, 2013
R/W REV. NUMBER 6 MAY 22, 2014

DITCH CONSTRUCTION					
STATION	SIZE-SHAPE TYPE	LINING			
		TYPE	QUANTITY	D	T
LT 398+00 TO 400+50	2' FB SPECIAL DT				



RIGHT OF WAY PLANS

DITCH CONSTRUCTION					
STATION	SIZE-SHAPE TYPE	LINING			
		TYPE	QUANTITY	D	T
RT 398+00 TO 400+35	2' FB SPECIAL DT				
RT 402+29 TO 403+00	2' FB SPECIAL DT				
RT 403+00 TO 403+50					

For Mainline Plan and Profile, See Sheet R9-R10.

SCALE: 1"= 30'

U. S. 42 PLAN SHEET
STA 398+00 TO STA 405+00

PREPARED BY DATE
CHECKED BY DATE
APPROVED BY DATE

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$TIME$ $FILE$

COUNTY OF	ITEM NO.	SHEET NO.

MicroStation v8.11.7.443

E-SHEET NAME:

USER: rwittenberg
DATE PLOTTED: May 17, 2016

FILE NAME: G:\2925-BOONE536\SUBMISSIONS\2016-5-17 REV 10\DGN'S\ENTIRE SET\R0450APL.DGN

SCALE: 1"=

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R46

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

STA. 399+25, 58.00' RT.
I-CBI Ty A

STA. 402+37, 61.12' LT.
I-CBI Ty A

STA. 402+48, 48.00' RT.
I-CBI Ty A

STA. 404+00, 58.00' LT.
I-CBI Ty A

STA. 404+00, 46.00' RT.
I-CBI Ty A

STA. 404+78.43, 57.00' RT.
I-MH Ty C

LEFT SIDE OFFSET 15' VERTICALLY

DATUM 891 888 885 882 879 876 873 870 867 864 861 858

MATCHLINE STA. 398+00

2.00%

2' F.B. SPECIAL DITCH LEFT NORMAL DEPTH

2' F.B. SPECIAL DITCH RIGHT NORMAL DEPTH

172.00 L.F. OF 15" PIPE @ So = 0.0156 ft/ft

℄ KY 536 MAINLINE

2' F.B. SPECIAL DITCH RIGHT 5.29%

2' F.B. SURFACE DITCH RIGHT -2.72%

162.86 L.F. OF 15" PIPE @ So = 0.0200 ft/ft

152.00 L.F. OF 15" PIPE @ So = 0.0200 ft/ft

141.01 L.F. OF 15" PIPE @ So = 0.0130 ft/ft

MATCHLINE STA. 405+00

36" PIPE ELEV. = 860.04

15" PIPE ELEV. = 865.65

67.45 L.F. OF 15" PIPE @ So = 0.1315 ft/ft

251.55 L.F. OF 30" PIPE @ So = 0.0100 ft/ft

30" PIPE ELEV. = 864.00

36" Ex. PIPE ELEV. = 863.90

SCALE: 1" = 30' HORIZONTAL
1" = 3' VERTICAL

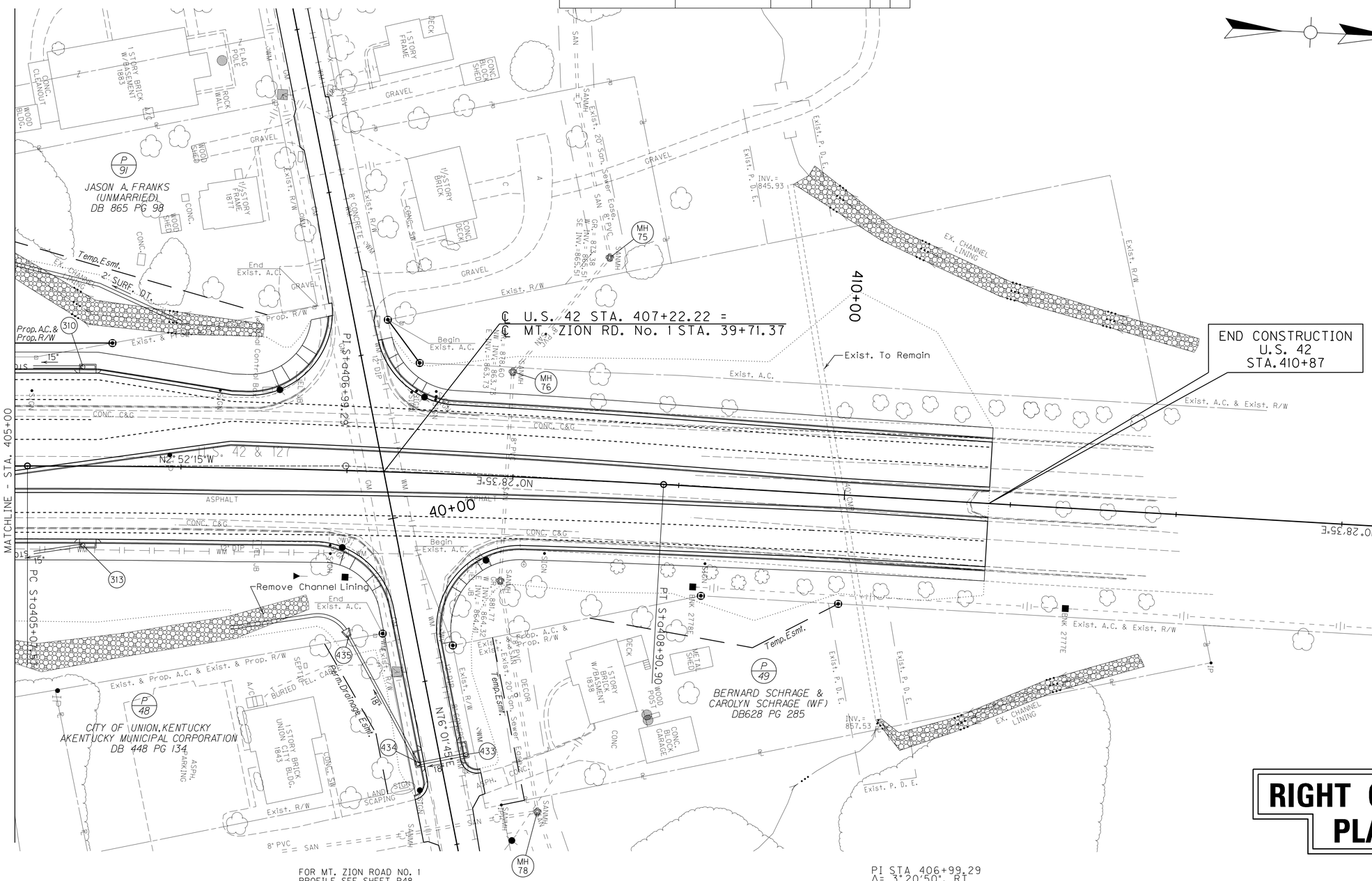
| | | |

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R47

R/W REV. NUMBER 1 JANUARY 25, 2013

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

DITCH CONSTRUCTION					
STATION	SIZE-SHAPE TYPE	LINING			
		TYPE	QUANTITY	D	T



FOR MT. ZION ROAD NO. 1
PROFILE SEE SHEET R48
PIPES SEE SHEET R298
CROSS SECTIONS SEE SHEETS X163-X167

DITCH CONSTRUCTION					
STATION	SIZE-SHAPE TYPE	LINING			
		TYPE	QUANTITY	D	T

PI STA 406+99.29
Δ= 3°20'50", RT
T= 191.72'
L= 383.32'
R= 6561.67'
E=2.80'
e= N/A
Runoff= N/A
Runout= N/A

SCALE: 1"= 30'

RIGHT OF WAY PLANS

U. S. 42 PLAN SHEET
STA 398+00 TO STA 410+87

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$TIME$ $FILE$

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R47a

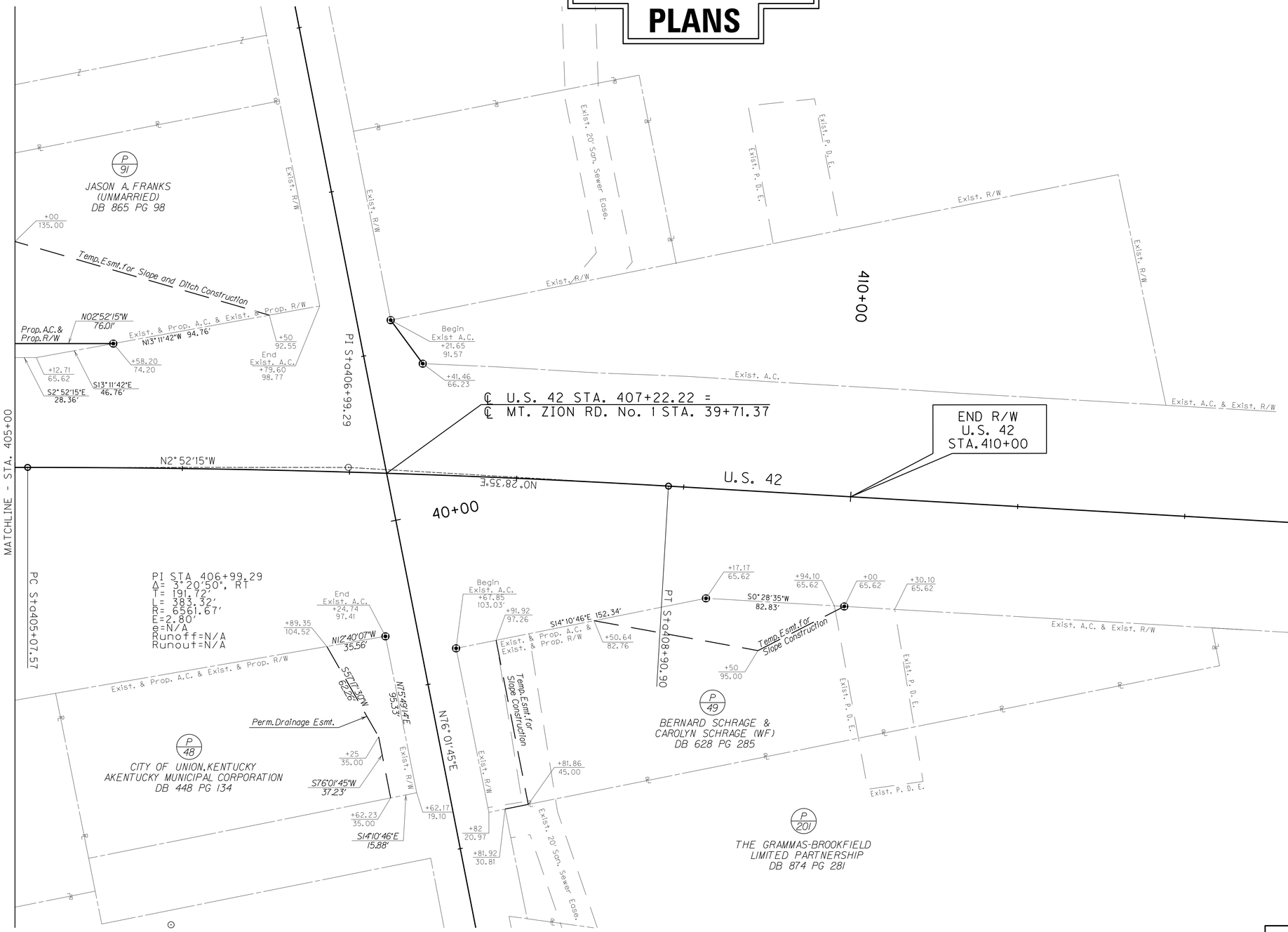
R/W REV. NUMBER 1 JANUARY 25, 2013

RIGHT OF WAY ON THIS PROJECT WAS PURCHASED BY KYTC IN THE NAME OF CITY OF UNION.

RIGHT OF WAY ON THIS PROJECT WAS PURCHASED BY KYTC IN THE NAME OF FISCAL COURT OF BOONE COUNTY.

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

RIGHT OF WAY PLANS



SCALE: 1"= 30'

U. S. 42
R/W DETAIL PLAN SHEET
STA 398+00 TO STA 410+87

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$TIME$ $FILE$

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R48

R/W REV. NUMBER 1 JANUARY 25, 2013

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

DATUM 903 900 897 894 891 888 885 882 879 876 873 870 867 864 861 858

891 888 885 882 879

℄ U.S. 42

882.33 882.67 | 882.17 882.27 | 881.75 881.85 | 881.10 881.20 | 880.90 881.00 | 881.10 | 881.35

39+71 40+00 40+50 41+00 41+50 42+00 42+50 43+00

MT. ZION ROAD NO. 1 PROFILE 39+71.37 TO 42+00

STA. 405+40.71, 58.00' LT.
1-CBI Ty A
STA. 405+41.24, 46.00' RT.
1-CBI Ty A

OVERHEAD UTILITY
ELEV. = 900.38

310

LEFT SIDE
OFFSET 15'
VERTICALLY

141.01 L.F.
OF 15" PIPE
@ So = 0.0130 ft/ft

V.P.I. 405+94.35
Elev. 884.40FT
550.00FT V.C.
S.S.D. = 700.45 FT

℄ MT. ZION RD. NO. 1

313

MATCHLINE STA. 405+00

63.25 L.F.
OF 15" PIPE
@ So = 0.1575 ft/ft

+00
873.65

+00
864.50

2' F.B. SURFACE
DITCH Left
-9.15%

V.P.I. 409+93.50
Elev. 882.26FT
187.00FT V.C.
S.S.D. = 762.43 FT

-0.54%

878.6

412+00

882.42 881.76 | 882.02 882.29 | 882.44 882.70 | 882.60 882.99 | 882.61 883.17 | 882.61 883.24 | 882.67 883.19 | 882.61 883.02 | 882.37 882.76 | 882.25 882.39 | 881.78 881.79 | 880.81 880.99 | 880.58 | 879.56

405+00 405+50 406+00 406+50 407+00 407+50 408+00 408+50 409+00 409+50 410+00 410+50 411+00 411+50

SCALE: 1" = 30' HORIZONTAL
1" = 3' VERTICAL

RIGHT OF WAY PLANS

PROFILE SHEET
U.S. 42
STA. 405+00 TO STA. 410+87

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specifications$$$$
E-SHEET NAME:

$TIME$ $DATE$ $FILE$

RIGHT OF WAY PLANS

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R49

DITCH CONSTRUCTION					
STATION	SIZE-SHAPE TYPE	LINING TYPE	LINING QUANTITY	D	T

P 201 THE GRAMMAS-BROOKFIELD LIMITED PARTNERSHIP DB 874 PG 281

℄ HARMONY STA. 46+58.75 =
℄ MT. ZION RD. No. 1 STA. 47+69.32

BEGIN CONSTRUCTION HARMONY STA. 46+69

PI STA 48+11.44
Δ= 34°29'09", LT
T= 117.94'
L= 228.72'
R= 380'
E=17.88'
e= N/A
Runoff= N/A
Runout= N/A

PC Sta47+12.71

PI Sta47+92.17

PT Sta48+66.80

COLLETT FAMILY LLC
DB 946 PG 056
P 32

THOMAS CARL SAWYER, JR.
DB 923 PG 978
P 38

COLLETT FAMILY LLC
DB 946 PG 056
P 32

PI STA 54+67.22
Δ= 67°54'13", RT
T= 117.94'
L= 228.72'
R= 380'
E=17.88'
e= N/A
Runoff= N/A
Runout= N/A

PC Sta52+31.57

PI Sta54+67.22

END CONSTRUCTION HARMONY STA. 53+88.40

℄ HARMONY STA. 49+70.00 =
℄ KY 536 STA. 47+52.19

℄ HARMONY STA. 50+30.02 =
℄ KY 536 STA. 47+62.25

℄ HARMONY STA. 50+30.02 =
℄ KY 536 STA. 46+70.00

℄ KY 536 STA. 46+59.95 =
℄ HARMONY STA. 49+70.00

DITCH CONSTRUCTION					
STATION	SIZE-SHAPE TYPE	LINING TYPE	LINING QUANTITY	D	T

SCALE: 1"= 30'

HARMONY PLAN SHEET

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

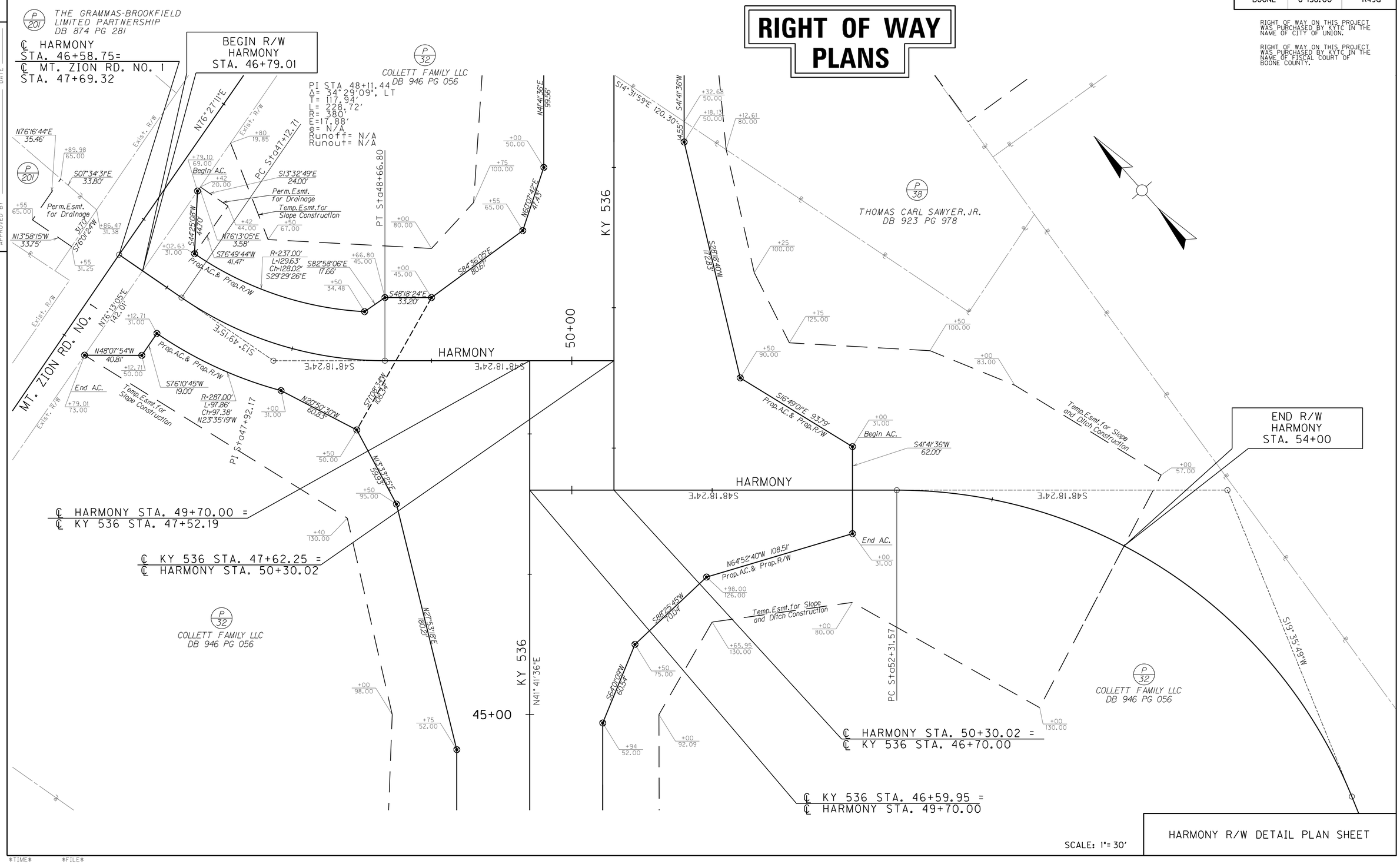
$TIME$ $FILE$

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R49a

RIGHT OF WAY ON THIS PROJECT WAS PURCHASED BY KYTC IN THE NAME OF CITY OF UNION.

RIGHT OF WAY ON THIS PROJECT WAS PURCHASED BY KYTC IN THE NAME OF FISCAL COURT OF BOONE COUNTY.

RIGHT OF WAY PLANS



SCALE: 1"= 30'

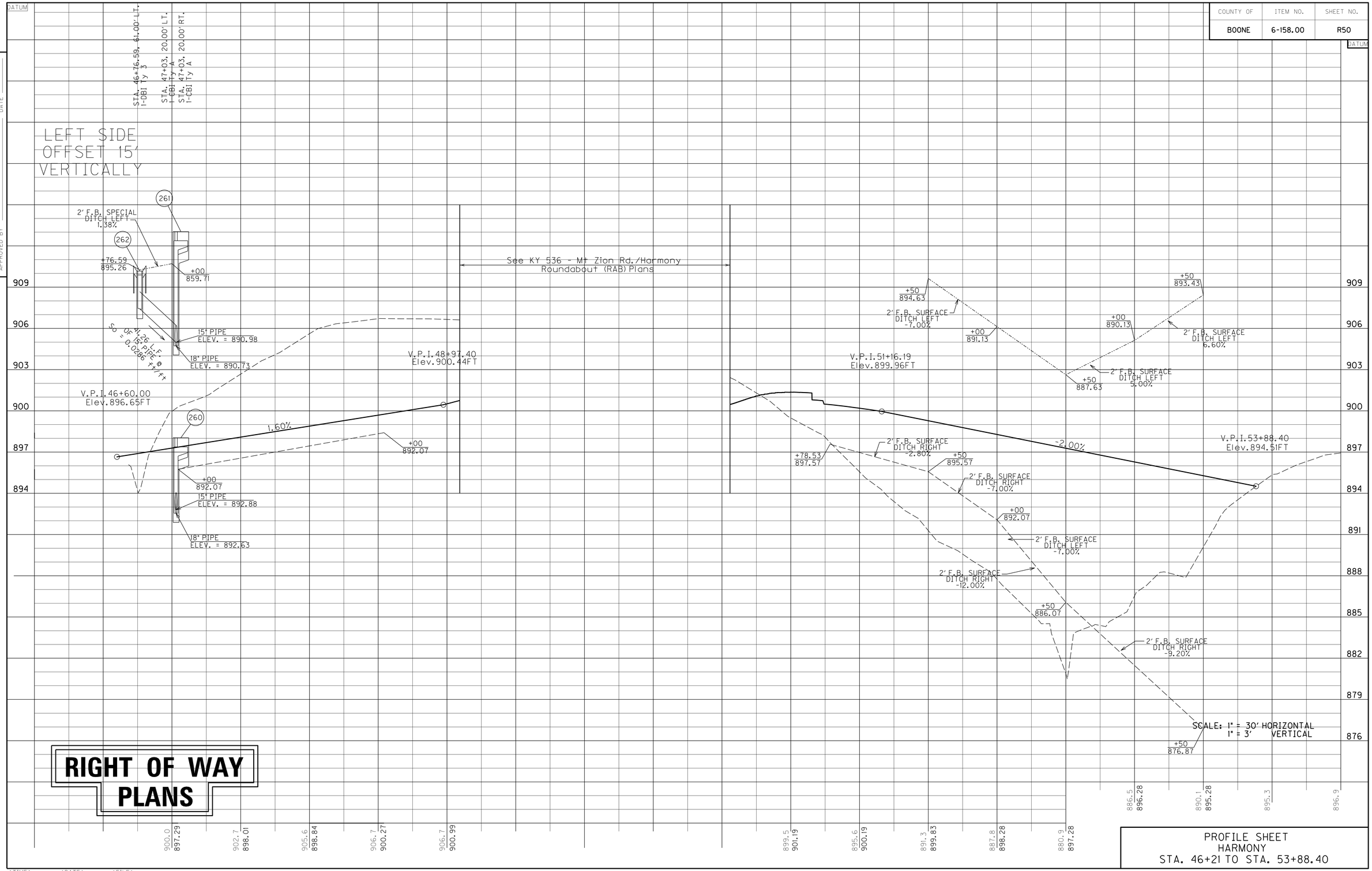
HARMONY R/W DETAIL PLAN SHEET

PREPARED BY DATE
CHECKED BY DATE
APPROVED BY DATE

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$TIME$ $FILE$

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R50



RIGHT OF WAY PLANS

PROFILE SHEET
HARMONY
STA. 46+21 TO STA. 53+88.40

PREPARED BY DATE
CHECKED BY DATE
APPROVED BY DATE

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$TIME$ $DATE$ $FILE$

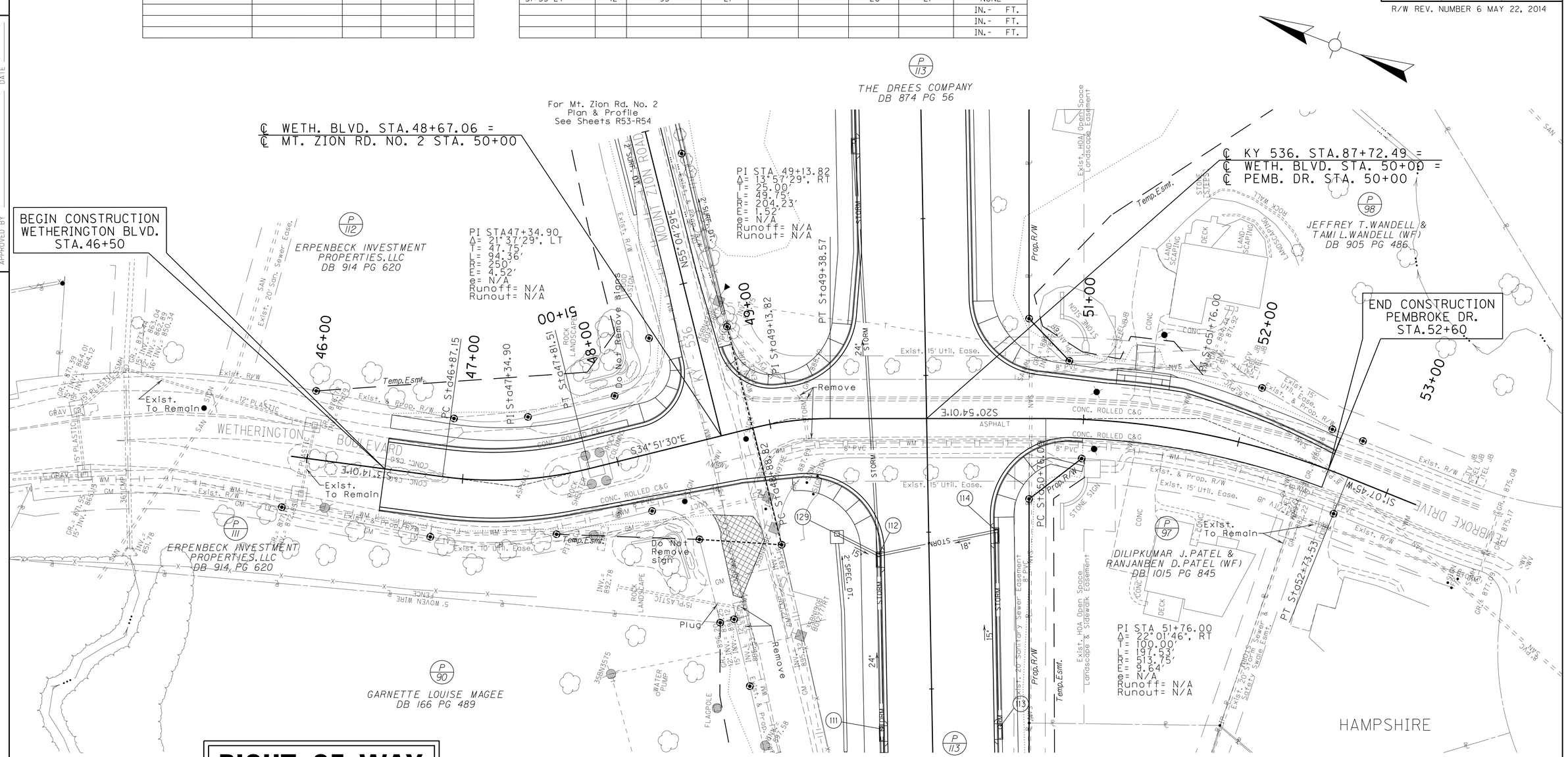
COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R51

R/W REV. NUMBER 6 MAY 22, 2014

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

DITCH CONSTRUCTION					
STATION	SIZE-SHAPE TYPE	LINING TYPE	LINING QUANTITY	D	T

ENTRANCES								
LOCATION	WIDTH (FT)	8" CONC. ENT. PAVT.(SY)	SURF. AREA (SY)	ASP. SURF. (TONS)	ASP. BASE (TONS)	DGA (TONS)	6" CONC. ENT. PAVT.	PIPE (DIA. - LENGTH)
51+35 LT	12	93	21	-	-	26	21	NONE
								IN.- FT.
								IN.- FT.
								IN.- FT.



RIGHT OF WAY PLANS

DITCH CONSTRUCTION					
STATION	SIZE-SHAPE TYPE	LINING TYPE	LINING QUANTITY	D	T

SCALE: 1"= 30'

WETHERINGTON BLVD/PEMBROKE DR.
PLAN SHEET

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$TIME$ $FILE$

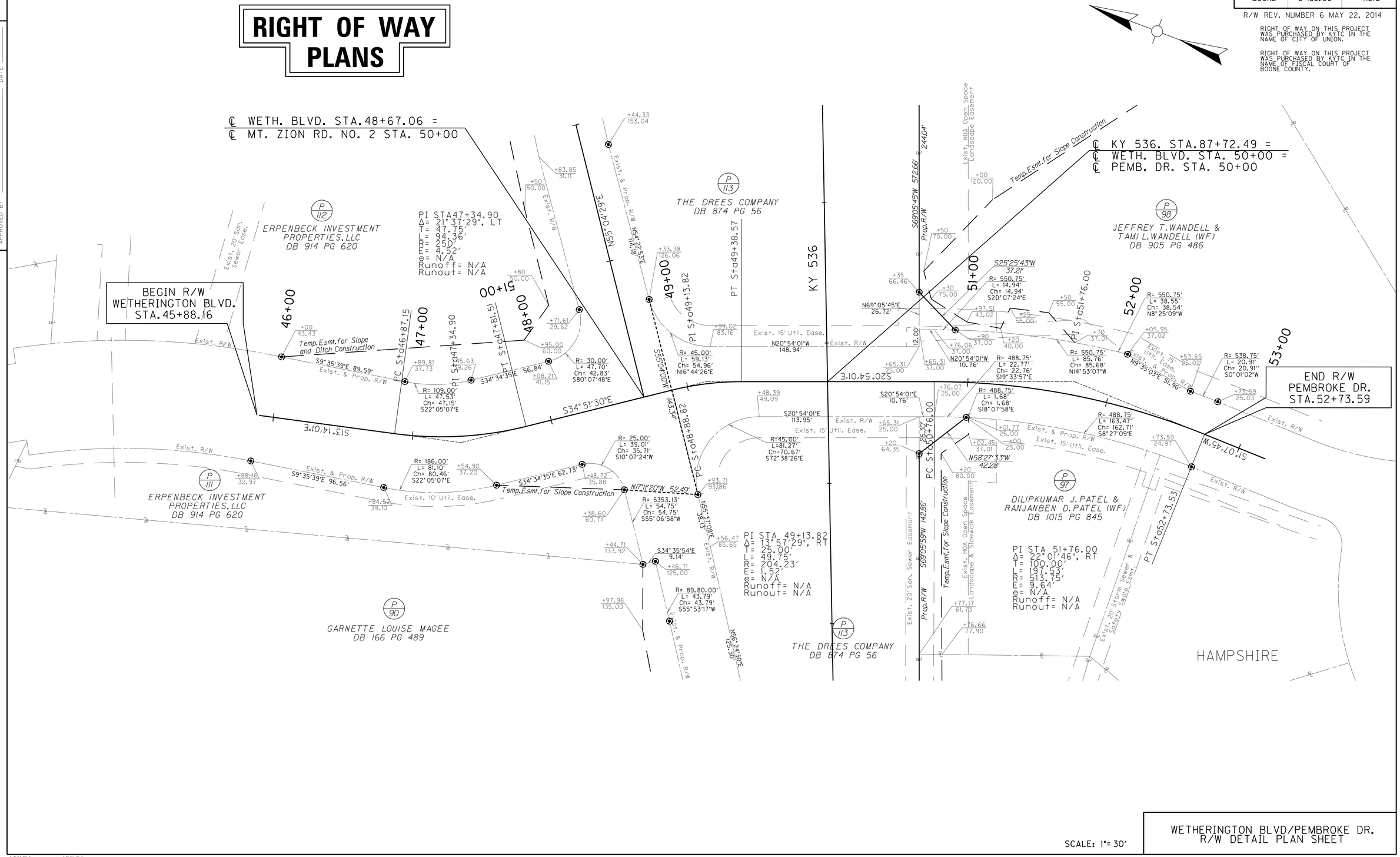
COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R51a

R/W REV. NUMBER 6 MAY 22, 2014

RIGHT OF WAY ON THIS PROJECT WAS PURCHASED BY KYTC IN THE NAME OF CITY OF UNION.

RIGHT OF WAY ON THIS PROJECT WAS PURCHASED BY KYTC IN THE NAME OF FISCAL COURT OF BOONE COUNTY.

RIGHT OF WAY PLANS



SCALE: 1"= 30'

WETHERINGTON BLVD/PEMBROKE DR.
R/W DETAIL PLAN SHEET

PREPARED BY DATE
CHECKED BY DATE
APPROVED BY DATE

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$TIME$ $FILE$

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R52

DATUM

912
909
906
903
900
897
894
891
888
885
882
879
876

OVERHEAD UTILITY
ELEV. = 905.83

MT. ZION ROAD NO. 2

V.P.I. 48+10.00
Elev. 888.45FT
50.00FT V.C.
S.S.D. = 278.46 FT

V.P.I. 47+20.00
Elev. 884.17FT
50.00FT V.C.
S.S.D. = 1137.11 FT

V.P.I. 46+50.00
Elev. 880.16FT

V.P.I. 49+58.50
Elev. 889.19FT

V.P.I. 50+30.51
Elev. 889.45FT

V.P.I. 51+00.00
Elev. 886.79FT

V.P.I. 52+60.00
Elev. 880.43FT

5.74%
4.76%
0.50%
3.82%
3.98%

WETHERINGTON BLVD.

PEMBROKE

DATUM

912
909
906
903
900
897
894
891
888
885
882
879

| | | |

RIGHT OF WAY PLANS

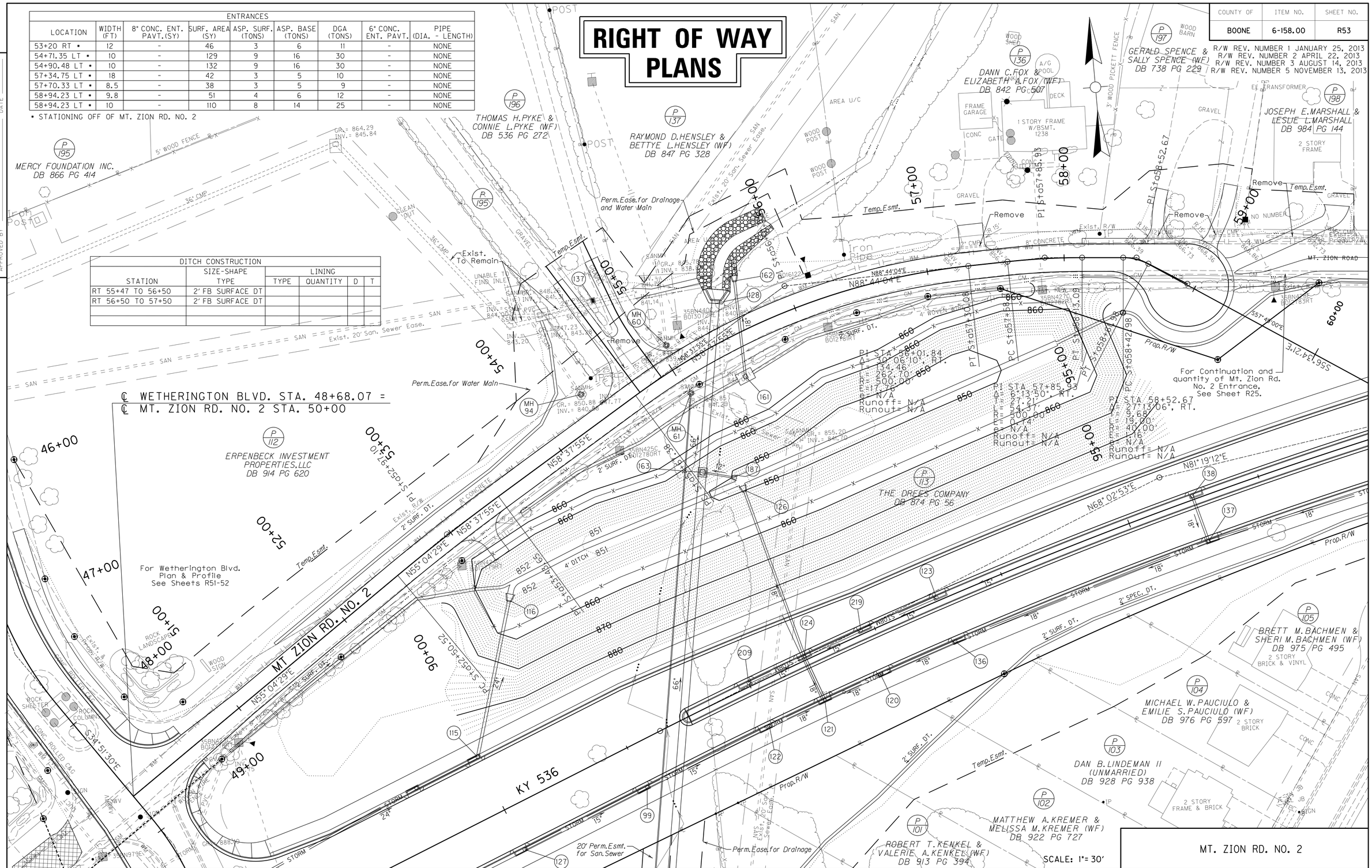
COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R53

R/W REV. NUMBER 1 JANUARY 25, 2013
R/W REV. NUMBER 2 APRIL 22, 2013
R/W REV. NUMBER 3 AUGUST 14, 2013
R/W REV. NUMBER 5 NOVEMBER 13, 2013

ENTRANCES								
LOCATION	WIDTH (FT)	8" CONC. ENT. PAVT.(SY)	SURF. AREA (SY)	ASP. SURF. (TONS)	ASP. BASE (TONS)	DGA (TONS)	6" CONC. ENT. PAVT.	PIPE (DIA. - LENGTH)
53+20 RT •	12	-	46	3	6	11	-	NONE
54+71.35 LT •	10	-	129	9	16	30	-	NONE
54+90.48 LT •	10	-	132	9	16	30	-	NONE
57+34.75 LT •	18	-	42	3	5	10	-	NONE
57+70.33 LT •	8.5	-	38	3	5	9	-	NONE
58+94.23 LT •	9.8	-	51	4	6	12	-	NONE
58+94.23 LT •	10	-	110	8	14	25	-	NONE

• STATIONING OFF OF MT. ZION RD. NO. 2

DITCH CONSTRUCTION					
STATION	SIZE-SHAPE TYPE	LINING			
		TYPE	QUANTITY	D	T
RT 55+47 TO 56+50	2' FB SURFACE DT				
RT 56+50 TO 57+50	2' FB SURFACE DT				



MT. ZION RD. NO. 2

PREPARED BY DATE
CHECKED BY DATE
APPROVED BY DATE

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R53a

R/W REV. NUMBER 1 JANUARY 25, 2013
R/W REV. NUMBER 2 APRIL 22, 2013
R/W REV. NUMBER 3 AUGUST 14, 2013

RIGHT OF WAY ON THIS PROJECT WAS PURCHASED BY KYTC IN THE NAME OF CITY OF UNION.

RIGHT OF WAY ON THIS PROJECT WAS PURCHASED BY KYTC IN THE NAME OF FISCAL COURT OF BOONE COUNTY.

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

P 195 MERCY FOUNDATION.INC. DB 866 PG 414

P 196 THOMAS H.PYKE & CONNIE L.PYKE (WF) DB 536 PG 272

P 137 RAYMOND D.HENSLEY & BETTYE L.HENSLEY (WF) DB 847 PG 328

P 136 DANN C.FOX & ELIZABETH A.FOX (WF) DB 842 PG 507

P 197 GERALD SPENCE & SALLY SPENCE (WF) DB 738 PG 229

P 198 JOSEPH E.MARSHALL & LESLIE L.MARSHALL DB 984 PG 144

P 112 ERPENBECK INVESTMENT PROPERTIES,LLC DB 914 PG 620

P 113 THE DREES COMPANY DB 874 PG 56

℄ WETHERINGTON BLVD. STA. 48+68.07 = ℄ MT. ZION RD. NO. 2 STA. 50+00

MT ZION RD. NO. 2

KY 536

Temp.Esmt.for Entrance Construction

Temp.Esmt.for Slope Construction

Perm.Ease.for Drainage and Water Main

Exist. 20' San. Sewer Ease.

Temp.Esmt.for Slope and Ditch Construction

Exist. & Prop. R/W

Exist. R/W

Prop.R/W

PI STA 56+01.84
Δ= 30°06'10", RT.
T= 134.46'
L= 262.70'
R= 500.00'
E=17.76'
e= N/A
Runoff= N/A
Runout= N/A

PI STA 57+85.93
Δ= 6°13'50", RT.
T= 27.21'
L= 54.37'
R= 500.00'
E= 0.74'
e= N/A
Runoff= N/A
Runout= N/A

PI STA 58+52.67
Δ= 27°13'06", RT.
T= 9.68'
L= 19.00'
R= 40.00'
E= 1.16'
e= N/A
Runoff= N/A
Runout= N/A

PI STA 95+34.08
= 13°16'19", RT
T= 407.19'
L= 810.74'
R= 3500'
E= 23.61'
e= 2.19%
Runoff= 135'
Runout= 123'
Runoff= 86'
Runout= 79'

SCALE: 1"= 30'

RIGHT OF WAY PLANS

MT. ZION RD. NO. 2
R/W DETAIL PLAN SHEET

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$TIME$ $DATE$ $FILE$

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R54

R/W REV. NUMBER 3 AUGUST 14, 2013

PREPARED BY DATE
CHECKED BY DATE
APPROVED BY DATE

Elev.887.94FT
20.00FT V.C.
S.S.D. = 153.68 FT
V.P.I.50+20.00
Elev.888.34FT
-4.00%
For Wetherington Blvd.
Plan & Profile
See Sheets R51-52
+50
875.96
2' F.B. SURFACE
DITCH LEFT
NORMAL DEPTH
-9.51%
V.P.I.51+50.00
Elev.877.48FT
+75
882.00
2' F.B. SURFACE
DITCH RIGHT
-6.12%
+00
880.47
2' F.B. SPECIAL
DITCH RIGHT
-9.50%
-9.02%
+00
862.35
V.P.I.53+00.00
Elev.863.95FT
50.00FT V.C.
S.S.D. = 904.12 FT
+50
866.22
2' F.B. SURFACE
DITCH RIGHT
-15.95%
+89
860.00
+45.25
847.23
2' F.B. SURFACE
DITCH LEFT
-10.57%
OVERHEAD UTILITY
ELEV. = 868.46
-10.25%
V.P.I.54+00.00
Elev.853.70FT
100.00FT V.C.
S.S.D. = 92.58 FT
+50
857.30
2' F.B. SURFACE
DITCH RIGHT
-8.64%
-1.80%
2' F.B. SURFACE
DITCH RIGHT
-1.88%
+50
848.66
+38.83
846.99
+51.17
846.99
2' F.B. SURFACE
DITCH RIGHT
2.17%
V.P.I.56+50.00
Elev.849.20FT
200.00FT V.C.
S.S.D. = 118.87 FT
+50
857.43
2' F.B. SURFACE
DITCH RIGHT
8.30%
+50
849.13
9.75%
8.50%
V.P.I.58+13.08
Elev.864.94FT
V.P.I.58+00.00
Elev.863.82FT
20.00FT V.C.
S.S.D. = 873.32 FT
6.50%
V.P.I.58+94.23
Elev.871.83FT
OVERHEAD UTILITY
ELEV. = 882.56
OVERHEAD UTILITY
ELEV. = 886.97

V.P.I.11+51.00
Elev.873.11FT
50.00FT V.C.
S.S.D. = 214.03 FT
V.P.I.11+01.00
Elev.873.27FT
50.00FT V.C.
S.S.D. = 192.10 FT
V.P.I.12+00.00
Elev.869.01FT
V.P.I.12+50.00
Elev.865.86FT
V.P.I.10+00.00
Elev.864.68FT
8.50%
8.37%
-6.30%
V.P.I.12+64.55
Elev.864.45FT
-9.73%

CUL DE SAC PERIMETER PROFILE

LEFT SIDE
OFFSET 15'
VERTICALLY

RIGHT OF WAY PLANS

SCALE: 1" = 30' HORIZONTAL
1" = 3' VERTICAL

PROFILE SHEET
MT. ZION RD. NO. 2

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$TIME$ $DATE$ $FILE$

DITCH CONSTRUCTION					
STATION	SIZE-SHAPE TYPE	LINING TYPE	LINING QUANTITY	D	T
LT 146+00 TO	2' FB SURFACE DT				

ENTRANCES								
LOCATION	WIDTH (FT)	8" CONC. ENT. PAVT.(SY)	SURF. AREA (SY)	ASP. SURF. (TONS)	ASP. BASE (TONS)	DGA (TONS)	6" CONC. ENT. PAVT.	PIPE (DIA. - LENGTH)
41+52.00 LT •	12	38	60	4	7	1422	-	NONE
-	-	-	-	-	-	-	-	-
45+10.33 LT •	10.8	37	14	1	2	3	-	NONE
45+55.38 LT •	10.5	37	14	1	2	3	-	STORM

• STATIONING OFF OF GUNPOWDER

RIGHT OF WAY PLANS

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R55

R/W REV. NUMBER 3 AUGUST 14, 2013

PI STA 48+44.24
Δ= 9°02'07", LT
T= 63.21'
L= 126.16'
R= 800'
E= 2.49'
e= N/A
Runoff= N/A
Runout= N/A

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

BEGIN CONSTRUCTION
GUNPOWDER RD.
STA. 41+20.00

END CONSTRUCTION
CARSPEN LN.
STA. 50+40.00

BEGIN CONSTRUCTION
CHURCHILL DR.
STA. 49+43.81

DIVERSION
NO. 6

℄ GUNPOWDER RD. STA. 43+09.98=
℄ CARSPEN LE STA. 50+00

℄ GUNPOWDER RD. STA. 44+48.93
℄ CHURCHILL DR. STA. 50+00

PI STA 40+07.59
Δ= 14°15'05", RT
T= 50.01'
L= 99.49'
R= 400'
E= 3.11'
e= N/A
Runoff= N/A
Runout= N/A

PI STA 43+27.13
Δ= 10°09'43", LT
T= 76.54'
L= 152.62'
R= 800'
E= 3.65'
e= 3.26%
Runoff= 63.2'
Runout= 39'

For Carspen Lane Profile
See Sheet R56

For Churchill Dr. Profile
See Sheet R56

P/108 FRANCES M.PIPER (MARRIED) DB 928 PG 399

P/199 FRANCES M.PIPER (MARRIED) DB 928 PG 399

P/109 WAYNE PARTIN (MARRIED) DB 676 PG 170

P/133 ANTHONY J.FRANZ (UNMARRIED) DB 979 PG 809

P/132 JOHN T.HYLAND & MARY C.HYLAND (WF) DB 900 PG 480

P/140 SHELBY J.RIGGS & SANDRA RIGGS (WF) DB 210 PG 208

P/131 COUNTY OF BOONE, KENTUCKY DB 943 PG 415

P/125 DAVID R.CRUCE (SINGLE) DB 880 PG 852

GUNPOWER GREENS

GUNPOWDER ROAD

GUNPOWDER CREEK

MATCHLINE - STA. 48+50

DITCH CONSTRUCTION					
STATION	SIZE-SHAPE TYPE	LINING TYPE	LINING QUANTITY	D	T

SCALE: 1"= 30'

GUNPOWDER ROAD PLAN SHEET
STA 41+20 TO STA 48+50

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$TIME$ $FILE$

RIGHT OF WAY PLANS

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R55a

RIGHT OF WAY ON THIS PROJECT WAS PURCHASED BY KYTC IN THE NAME OF CITY OF UNION.

RIGHT OF WAY ON THIS PROJECT WAS PURCHASED BY KYTC IN THE NAME OF FISCAL COURT OF BOONE COUNTY.

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

BEGIN R/W GUNPOWDER RD. STA. 40+14.38

PI Sta40+07.59

PC Sta39+57.59

PT Sta40+57.08

PI Sta42+50.59

PC Sta42+03.21

PT Sta44+03.21

PI Sta43+27.13

PI STA 43+27.13
Δ= 10°09'43", LT
T= 76.54'
L= 152.62'
R= 800'
E= 3.65'
e= 3.26%
Runoff= 63.2'
Runout= 39'

PI STA 48+44.24
Δ= 9°02'07", LT
T= 63.21'
L= 126.16'
R= 800'
E= 2.49'
e= N/A
Runoff= N/A
Runout= N/A

PI Sta48+44.24

PC Sta47+81.03

INSET

NOT TO SCALE

P 108 — FRANCES M.PIPER (MARRIED) DB 928 PG 399

P 199 — FRANCES M.PIPER (MARRIED) DB 928 PG 399

P 133 — ANTHONY J.FRANZ (UNMARRIED) DB 979 PG 809

P 132 — JOHN T.HYLAND & MARY C.HYLAND (WF) DB 900 PG 480

P 140 — SHELBY J.RIGGS & SANDRA RIGGS (WF) DB 210 PG 208

P 109 — WAYNE PARTIN (MARRIED) DB 676 PG 170

P 131 — COUNTY OF BOONE, KENTUCKY DB 943 PG 415

P 125 — DAVID R.CRUCE (SINGLE) DB 880 PG 852

CARSPEN LN.

CHURCHILL DR.

GUNPOWDER RD.

GUNPOWER GREENS

℄ GUNPOWDER RD. STA. 43+09.98
℄ CARSPEN LN STA. 50+00

℄ GUNPOWDER RD. STA. 44+48.93
℄ CHURCHILL DR. STA. 50+00

MATCHLINE - STA. 48+50

SCALE: 1"= 30'

GUNPOWDER ROAD
R/W DETAIL PLAN SHEET
STA 41+20 TO STA 48+50

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$TIME$ $FILE$

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R56

R/W REV. NUMBER 3 AUGUST 14, 2013

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

DATUM

831 / 828 / 825 / 822 / 819 / 816 / 813

OVERHEAD UTILITY
ELEV. = 841.38
10 FT ABOVE DATUM

V.P.I.50+40.00
Elev.822.45FT

V.P.I.50+13.09
Elev.821.27FT

4.42%

For Carspen Lane Plan
See Sheet R55

V.P.I.49+70.00
Elev.822.06FT
10.00FT V.C.
S.S.D. = 243.79 FT

V.P.I.49+81.28
Elev.822.28FT

V.P.I.49+50.00
Elev.820.75FT

2.00%

-6.52%

For Churchill Dr. Plan
See Sheet R55

821.6 822.9 824.9 827.4 820.38 820.23 820.75 820.75 821.98

50+00 50+50 51+00 51+50 52+00 48+50 49+00 49+50 50+00

CARSPEN LANE

CHURCHILL DR.

LEFT SIDE OFFSET 10' VERTICALLY

STA. 41+69, 12.99' LT.
1-CBI Ty A

251

STA. 43+56, 14.87' LT.
1-CBI Ty A

248

+62.17
821.09

OVERHEAD UTILITY
ELEV. = 838.47

STA. 43+34, 20.00' LT.
1-CBI Ty A

STA. 43+34, 20.00' RT.
1-CBI Ty A

OVERHEAD UTILITY
ELEV. = 841.82
10 FT ABOVE DATUM

244

STA. 45+75, 20.00' RT.
1-CBI Ty A

243

+00
821.78

+00
822.36

STA. 47+50, 20.00' LT.
1-CBI Ty A

STA. 47+52, 32.00' RT.
1-CBI Ty A

240

18" PIPE
ELEV. = 820.76

V.P.I.48+50.00
Elev.830.57FT
120.00FT V.C.
S.S.D. = 598.82 FT

15" PIPE
ELEV. = 816.97
18" PIPE
ELEV. = 816.72

2' F.B. SURFACE
DITCH LEFT
0.50%

15" PIPE
ELEV. = 816.24
18" PIPE
ELEV. = 815.99

2' F.B. SURFACE
DITCH LEFT
-1.30%

+23.71
819.46

15" PIPE
ELEV. = 815.07
18" PIPE
ELEV. = 814.82

V.P.I.42+50.00
Elev.821.39FT
100.00FT V.C.
S.S.D. = 916.14 FT

℄ CARSPEN LANE

V.P.I.44+60.00
Elev.822.44FT
75.00FT V.C.
S.S.D. = 960.98 FT

℄ CHURCHILL DRIVE

V.P.I.46+20.00
Elev.821.37FT
240.00FT V.C.
S.S.D. = 260.48 FT

41.00 L.F.
OF 15" PIPE
@ So = 0.0100 ft/ft

246

245

241

4.00%

MATCHLINE STA. 48+50

V.P.I.41+20.00
Elev.819.12FT

1.75%

0.50%

-0.67%

18" PIPE
ELEV. = 819.65

15" PIPE
ELEV. = 815.38
18" PIPE
ELEV. = 815.13

41.00 L.F.
OF 15" PIPE
@ So = 0.0310 ft/ft

48+50

SCALE: 1" = 30' HORIZONTAL
1" = 3' VERTICAL

GUNPOWDER ROAD

RIGHT OF WAY PLANS

824.9 826.57 | 826.8 828.56 | 828.5 830.27
47+50 | 48+00 | 48+50

817.43 818.19 818.90 819.63 819.64 820.45 820.52 821.17 821.23 821.56 821.64 821.78 821.89 822.0 822.14 822.0 822.33 822.16 822.17 822.0 822.08 821.6 822.48 822.2 823.36 823.3 824.73
39+50 40+00 40+50 41+00 41+50 42+00 42+50 43+00 43+50 44+00 44+50 45+00 45+50 46+00 46+50 47+00

PROFILE SHEET
GUNPOWDER, CHURCHILL & CARSPEN

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$TIME$ $DATE$ $FILE$

DITCH CONSTRUCTION					
STATION	SIZE-SHAPE TYPE	LINING TYPE	LINING QUANTITY	D	T
L.T. 48+00 TO 48+24	2' FB SURFACE DT				

ENTRANCES								
LOCATION	WIDTH (FT)	8" CONC. ENT. PAVT.(SY)	SURF. AREA (SY)	ASP. SURF. (TONS)	ASP. BASE (TONS)	DGA (TONS)	6" CONC. ENT. PAVT.	PIPE (DIA. - LENGTH)
51+10.33 LT •	12	-	130	-	-	-	130	NONE
53+31.76 LT •	12	-	95	7	12	22	-	NONE

• STATIONING OFF OF GUNPOWDER

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R57

R/W REV. NUMBER 2 APRIL 22, 2013
R/W REV. NUMBER 5 NOVEMBER 13, 2013

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

PI STA 48+44.24
Δ= 9°02'07", LT
T= 63.21'
L= 126.16'
R= 800'
E= 2.49'
e= N/A
Runoff= N/A
Runout= N/A

PI STA 51+93.06
Δ= 22°21'28", RT
T= 98.81'
L= 195.11'
R= 500'
E= 9.67'
e= N/A
Runoff= N/A
Runout= N/A

PI STA 53+87.22
Δ= 4°38'35", LT
T= 20.27'
L= 40.52'
R= 500'
E= 0.41'
e= N/A
Runoff= N/A
Runout= N/A

RIGHT OF WAY PLANS

MATCHLINE - STA. 48+50

℄ KY 536 STA. 119+48 =
℄ GUNPOWDER RD. STA. 50+00

END CONSTRUCTION
GUNPOWDER RD.
STA. 54+25.00

SHELBY J.RIGGS &
SANDRA RIGGS (WF)
DB 210 PG 308

JOSEPH L.COLLETT &
ELLEN COLLETT (WF)
DB 416 PG 197

ROBERT J.DURHAM
& L.JILL DURHAM (WF)
DB 419,PG 277

COUNTY OF BOONE
KENTUCKY
DB 943: PG 415

KATHLEEN A.TANNER
(MARRIED)
DB 877 PG 159

THOMAS CRADDOCK
DB 271 PG 70

Remove Exist. Headwall & Paved Ditch

Exist. To Remain

Temp.Esmt.

Perm.Esmt. for Drainage

Do Not Disturb

DITCH CONSTRUCTION					
STATION	SIZE-SHAPE TYPE	LINING TYPE	LINING QUANTITY	D	T

SCALE: 1"= 30'

GUNPOWDER ROAD PLAN SHEET
STA 48+50 TO STA 54+25

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$TIME$ $FILE$

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R57a

RIGHT OF WAY PLANS

RIGHT OF WAY ON THIS PROJECT WAS PURCHASED BY KYTC IN THE NAME OF CITY OF UNION.

RIGHT OF WAY ON THIS PROJECT WAS PURCHASED BY KYTC IN THE NAME OF FISCAL COURT OF BOONE COUNTY.

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

PI STA 48+44.24
Δ= 9°02'07", LT
T= 63.21'
L= 126.16'
R= 800'
E= 2.49'
e= N/A
Runoff= N/A
Runout= N/A

P 140
SHELBY J.RIGGS & SANDRA RIGGS (WF)
DB 210 PG 208

P 142
JOSEPH L.COLLETT & ELLEN COLLETT (WF)
DB 416 PG 197

P 139
ROBERT J.DURHAM & L.JILL DURHAM (WF)
DB 419,PG 277

PI STA 53+87.22
Δ= 4°38'35", LT
T= 20.27'
L= 40.52'
R= 500'
E= 0.41'
e= N/A
Runoff= N/A
Runout= N/A

P 131
COUNTY OF BOONE KENTUCKY
DB 943 PG 415

P 130
THOMAS CRADDOCK
DB 271 PG 70

P 126
KATHLEEN A.TANNER (MARRIED)
DB 877 PG 159

℄ KY 536 STA. 119+48 =
℄ GUNPOWDER RD. STA. 50+00

MATCHLINE - STA. 48+50

PI Sta49+07.19
PC Sta50+94.25
PT Sta51+93.06
PI Sta52+89.36
PT Sta52+89.36
PI Sta53+87.22
PC Sta53+66.95
PT Sta54+07.47

END R/W
GUNPOWDER RD.
STA. 54+25.00

GUNPOWDER ROAD
R/W DETAIL PLAN SHEET
STA 48+50 TO STA 54+25

SCALE: 1"= 30'

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$TIME$ $FILE$

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R58

R/W REV. NUMBER 5 NOVEMBER 13, 2013

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

DATUM
852
849
846
843
840
837
834
831
828
825
822
819
816

STA. 53+10, 22.50' LT.
I-DBI TY 3

+35
828.51

OVERHEAD UTILITY
ELEV. = 854.67
10 FT ABOVE DATUM

258

+3.84
823.25

+50
822.78

+25
821.97

24" PIPE
ELEV. = 819.25

V.P.I. 48+50.00
Elev. 830.57FT
120.00FT V.C.
S.S.D. = 598.82 FT

MATCHLINE STA. 48+50

V.P.I. 50+00.00
Elev. 833.57FT

2.00%

-2.00%

V.P.I. 51+00.00
Elev. 831.57FT
100.00FT V.C.
S.S.D. = 540.50 FT

+90
830.03

-4.20%

V.P.I. 52+40.00
Elev. 825.69FT
100.00FT V.C.
S.S.D. = 291.03 FT

V.P.I. 54+25.00
Elev. 823.36FT

-1.26%

+50
824.24

SPECIAL "V"
DITCH RIGHT
-9.60%

+10
818.48

48+50	49+00	49+50	50+00	50+50	51+00	51+50	52+00	52+50	53+00	53+50	54+00	54+50	55+00
828.5 830.27	830.3 831.56	831.7 832.57	833.56 833.57	832.34 832.57	831.08 831.29	828.2 829.47	826.6 827.38	825.1 825.80	824.74 824.93	824.40 824.30	823.61 823.67	823.21	

RIGHT OF WAY PLANS

SCALE: 1" = 30' HORIZONTAL
1" = 3' VERTICAL

PROFILE SHEET
GUNPOWDER SOUTH
STA. 48+50 TO STA. 54+25

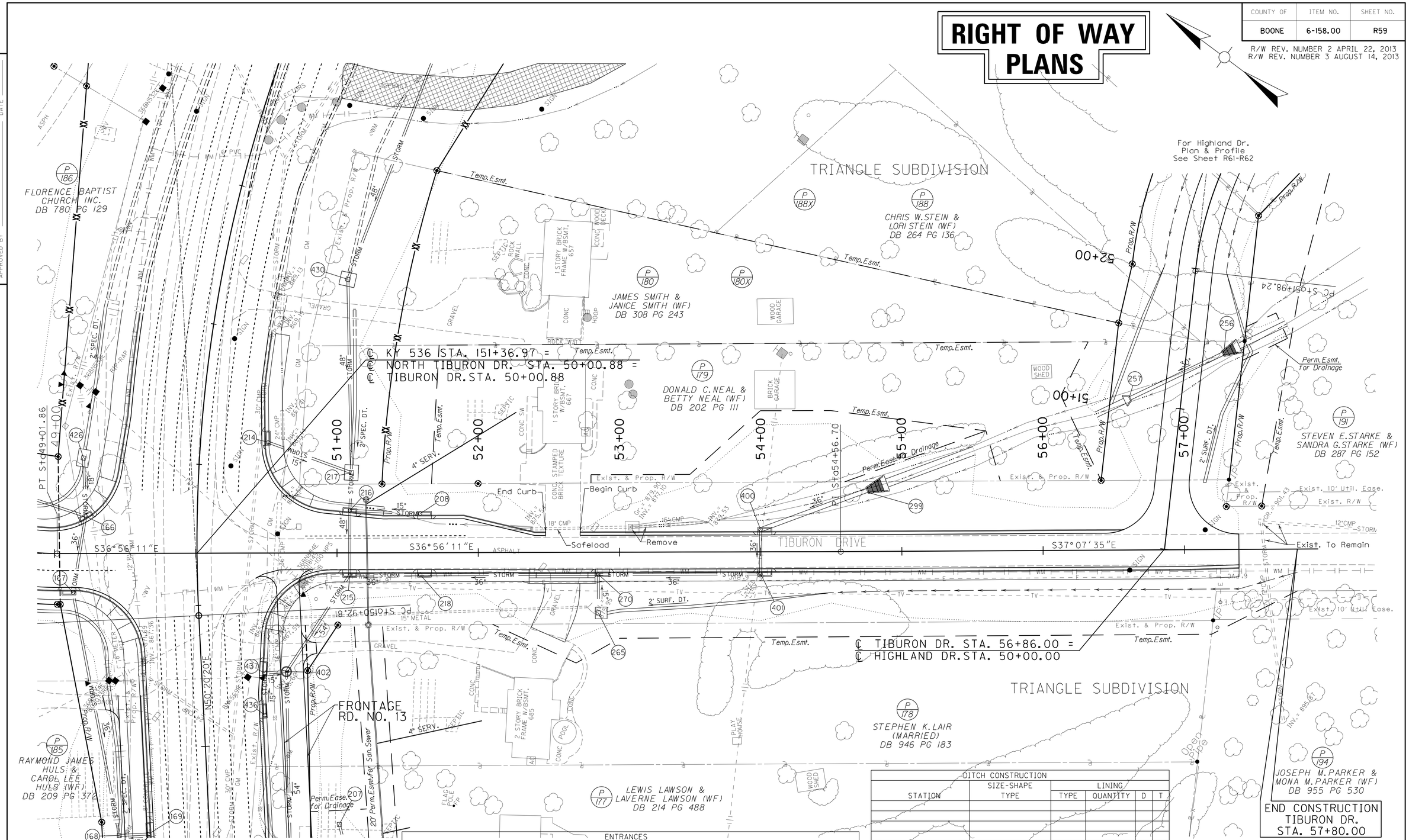
USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$TIME$ $DATE$ $FILE$

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R59

R/W REV. NUMBER 2 APRIL 22, 2013
R/W REV. NUMBER 3 AUGUST 14, 2013

RIGHT OF WAY PLANS



DITCH CONSTRUCTION					
STATION	SIZE-SHAPE TYPE	LINING			
		TYPE	QUANTITY	D	T

ENTRANCES								
LOCATION	WIDTH (FT)	8" CONC. ENT. PAVT.(SY)	SURF. AREA (SY)	ASP. SURF. (TONS)	ASP. BASE (TONS)	DGA (TONS)	6" CONC. ENT. PAVT.	PIPE (DIA. - LENGTH)
-	-	-	-	-	-	-	-	-
52+59.33 RT	24.7	52	107	7	13	25	-	STORM

SCALE: 1"= 30'

TIBURON DR. PLAN SHEET
STA 49+00 TO STA 57+66.27

PREPARED BY DATE
CHECKED BY DATE
APPROVED BY DATE

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$TIME$ $FILE$

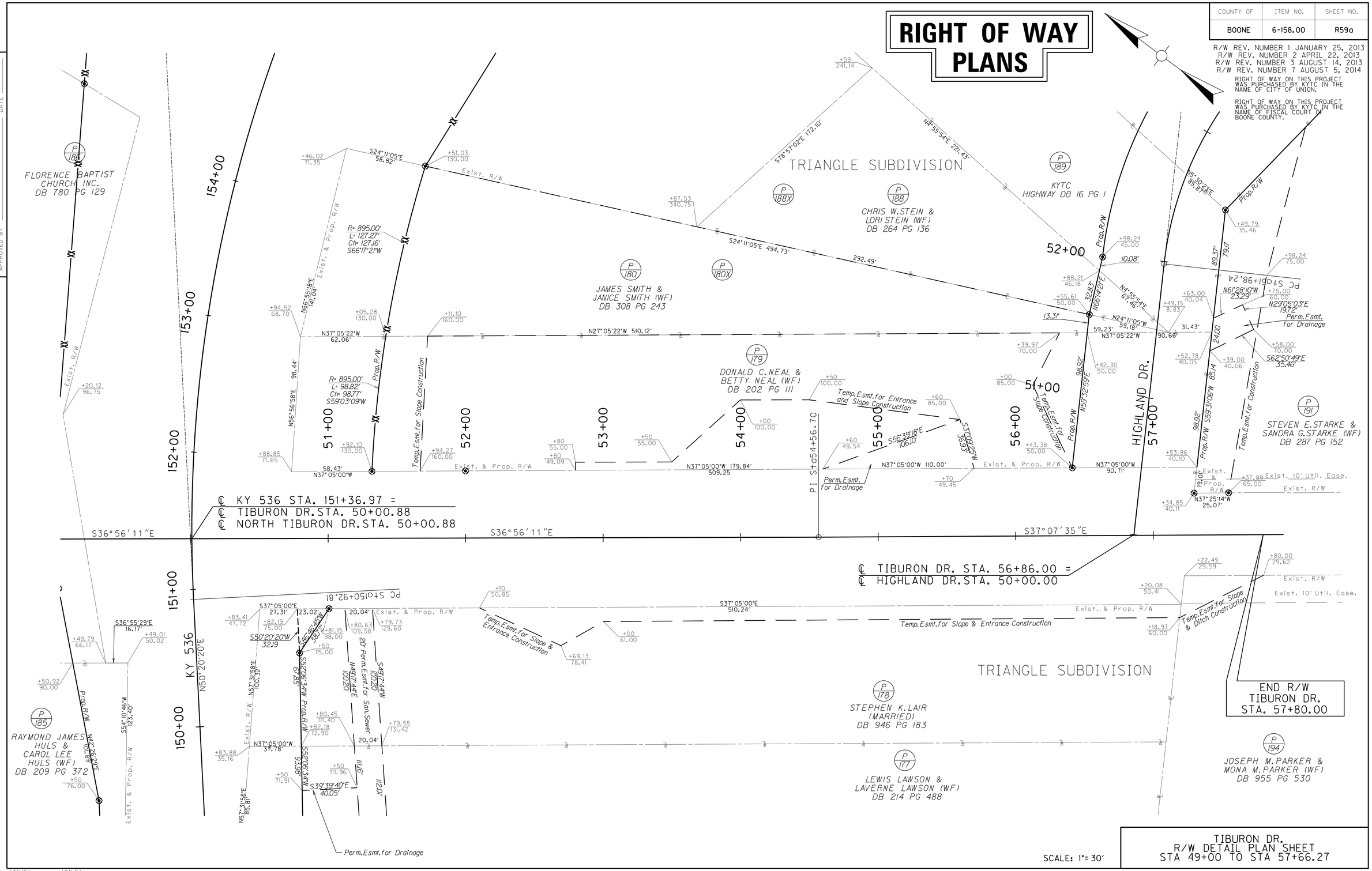
RIGHT OF WAY PLANS

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R59a

R/W REV. NUMBER 1 JANUARY 25, 2013
R/W REV. NUMBER 2 APRIL 22, 2013
R/W REV. NUMBER 3 AUGUST 14, 2013
R/W REV. NUMBER 7 AUGUST 5, 2014

RIGHT OF WAY ON THIS PROJECT WAS PURCHASED BY KYTC IN THE NAME OF CITY OF UNION.

RIGHT OF WAY ON THIS PROJECT WAS PURCHASED BY KYTC IN THE NAME OF FISCAL COURT OF BOONE COUNTY.



SCALE: 1"= 30'

TIBURON DR.
R/W DETAIL PLAN SHEET
STA 49+00 TO STA 57+66.27

PREPARED BY DATE
CHECKED BY DATE
APPROVED BY DATE

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$TIME$ $FILE$

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R60

R/W REV. NUMBER 3 AUGUST 14, 2013

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

DATUM

906 903 900 897 894 891 888 885 882 879 876 873 870

OVERHEAD UTILITY
ELEV. = 906.06

OVERHEAD UTILITY
ELEV. = 889.98

V.P.I.56+75.00
Elev.898.75FT
100.00FT V.C.
S.S.D. = 2384.69 FT

V.P.I.57+38.66
Elev.901.51FT

V.P.I.50+41.52
Elev.874.66FT

V.P.I.51+20.00
Elev.872.12FT
115.00FT V.C.
S.S.D. = 104.72 FT

For Highland Dr.
Plan & Profile
See Sheets R61-R62

℄ HIGHLAND DRIVE

-3.33%
3.24%
4.34%
4.80%

+00 899.30
+50 900.68
SPECIAL "V" DITCH RIGHT 2.76%

+86.50 876.30
+50 880.20
2' F.B. SURFACE DITCH RIGHT 6.14%

+50 887.20
+00 889.83
SPECIAL "V" DITCH RIGHT 5.26%

2' F.B. SURFACE DITCH RIGHT 7.00%

875.25	873.81	873.29	873.85	875.87	878.19	880.60	883.02	885.43	887.82	890.24	892.69	895.03	897.52	899.82	902.01
876.04	874.38	873.26	873.82	875.96	878.36	880.76	883.16	885.55	887.95	890.35	892.75	895.15	897.54	899.82	
50+00	50+50	51+00	51+50	52+00	52+50	53+00	53+50	54+00	54+50	55+00	55+50	56+00	56+50	57+00	57+50

58+00

SCALE: 1" = 30' HORIZONTAL
1" = 3' VERTICAL

RIGHT OF WAY PLANS

PROFILE SHEET
TIBURON DRIVE
STA. 50+00 TO STA. 55+00

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

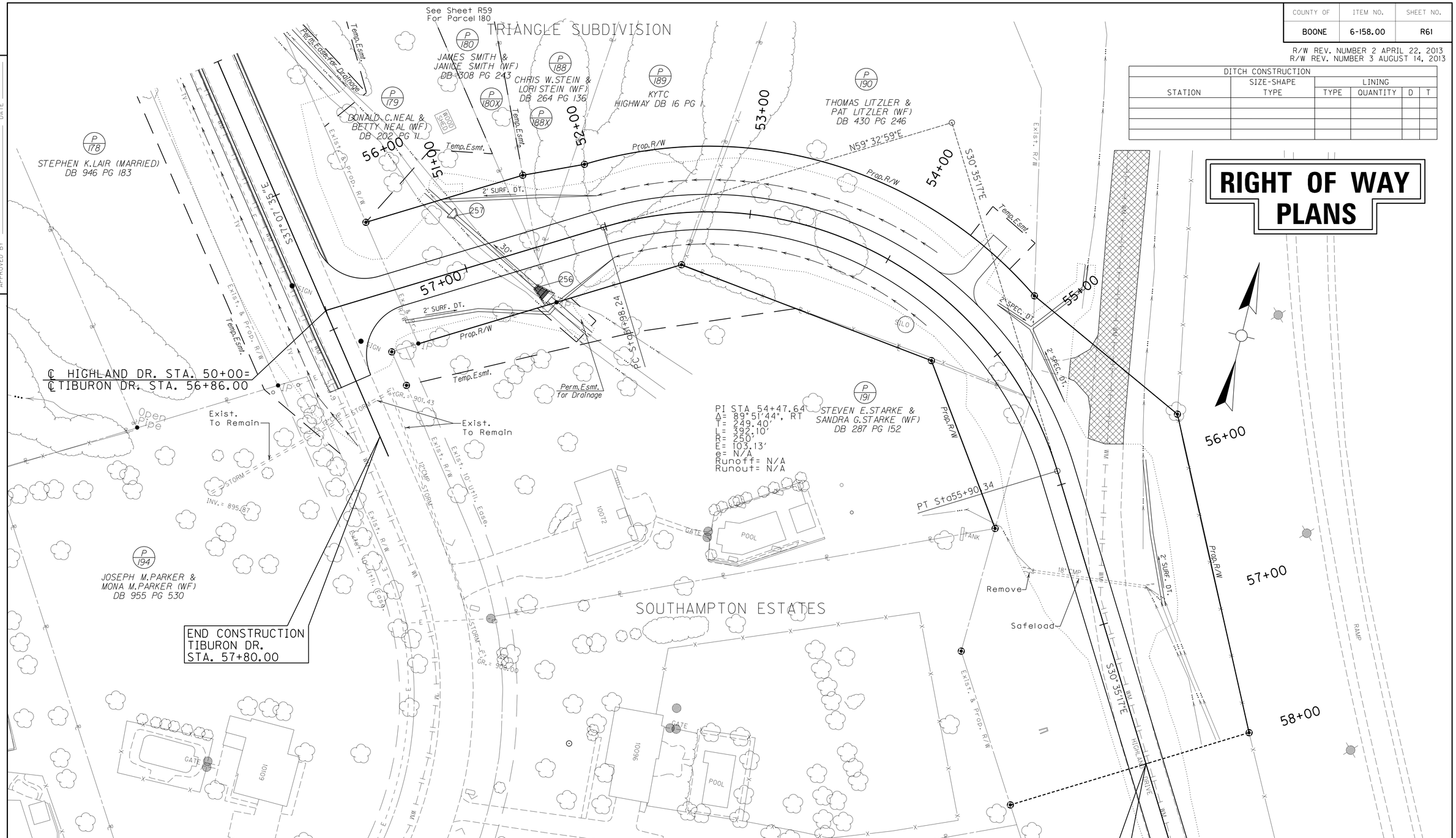
$TIME$ $DATE$ $FILE$

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R61

R/W REV. NUMBER 2 APRIL 22, 2013
R/W REV. NUMBER 3 AUGUST 14, 2013

DITCH CONSTRUCTION					
STATION	SIZE-SHAPE TYPE	LINING			
		TYPE	QUANTITY	D	T

RIGHT OF WAY PLANS



DITCH CONSTRUCTION					
STATION	SIZE-SHAPE TYPE	LINING			
		TYPE	QUANTITY	D	T

ENTRANCES								
LOCATION	WIDTH (FT)	8" CONC. ENT. PAVT.(SY)	SURF. AREA (SY)	ASP. SURF. (TONS)	ASP. BASE (TONS)	DGA (TONS)	TBB (TON)	PIPE (DIA. - LENGTH)
54+50 LT	12	-	16	1	2	4	-	NONE

SCALE: 1"= 30'

HIGHLAND DR. PLAN SHEET

PREPARED BY DATE
CHECKED BY DATE
APPROVED BY DATE

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

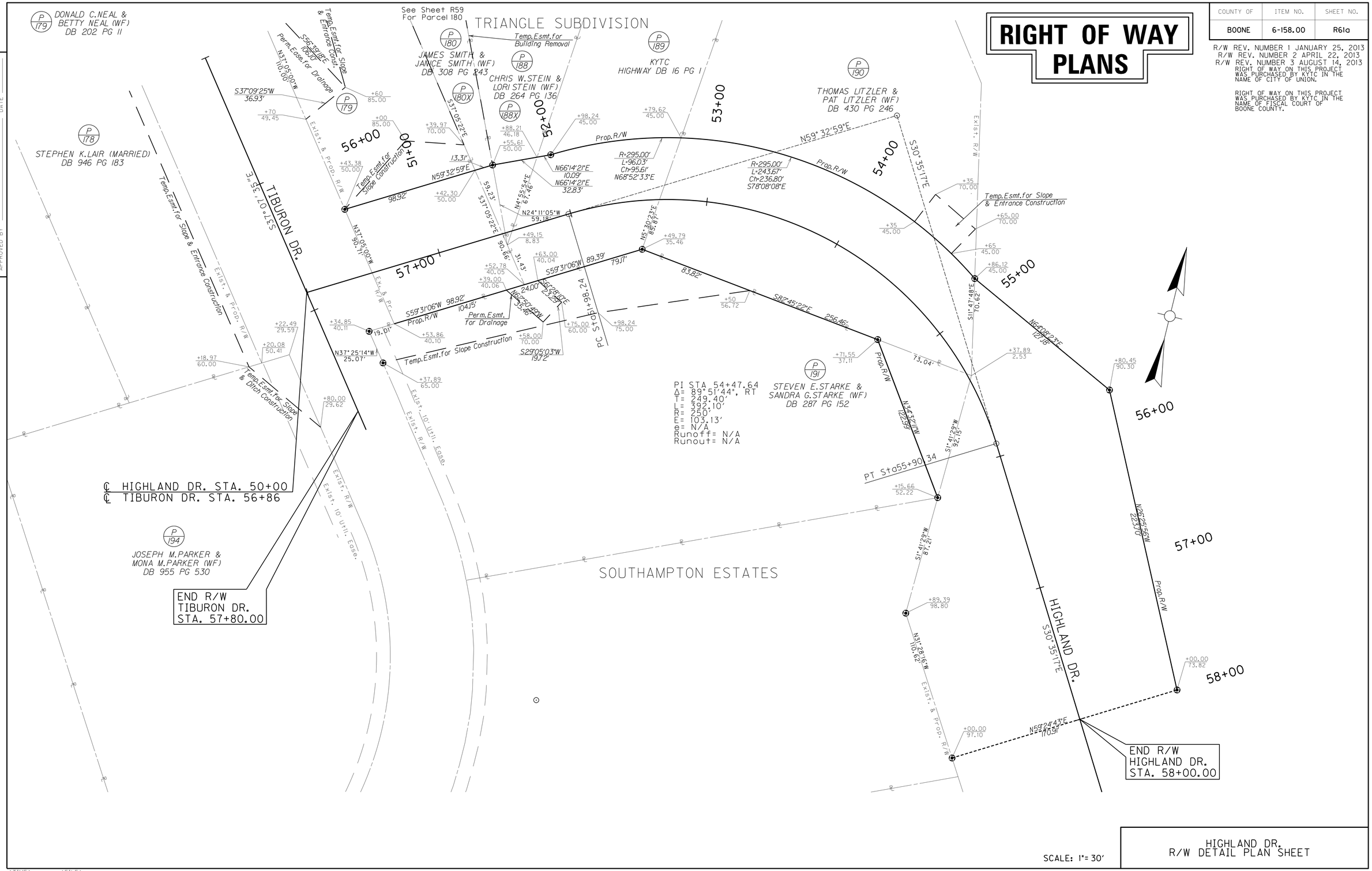
$TIME$ $FILE$

RIGHT OF WAY PLANS

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R61a

R/W REV. NUMBER 1 JANUARY 25, 2013
R/W REV. NUMBER 2 APRIL 22, 2013
R/W REV. NUMBER 3 AUGUST 14, 2013
RIGHT OF WAY ON THIS PROJECT WAS PURCHASED BY KYTC IN THE NAME OF CITY OF UNION.

RIGHT OF WAY ON THIS PROJECT WAS PURCHASED BY KYTC IN THE NAME OF FISCAL COURT OF BOONE COUNTY.



SCALE: 1"= 30'

HIGHLAND DR.
R/W DETAIL PLAN SHEET

PREPARED BY DATE
CHECKED BY DATE
APPROVED BY DATE

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$TIME$ $FILE$

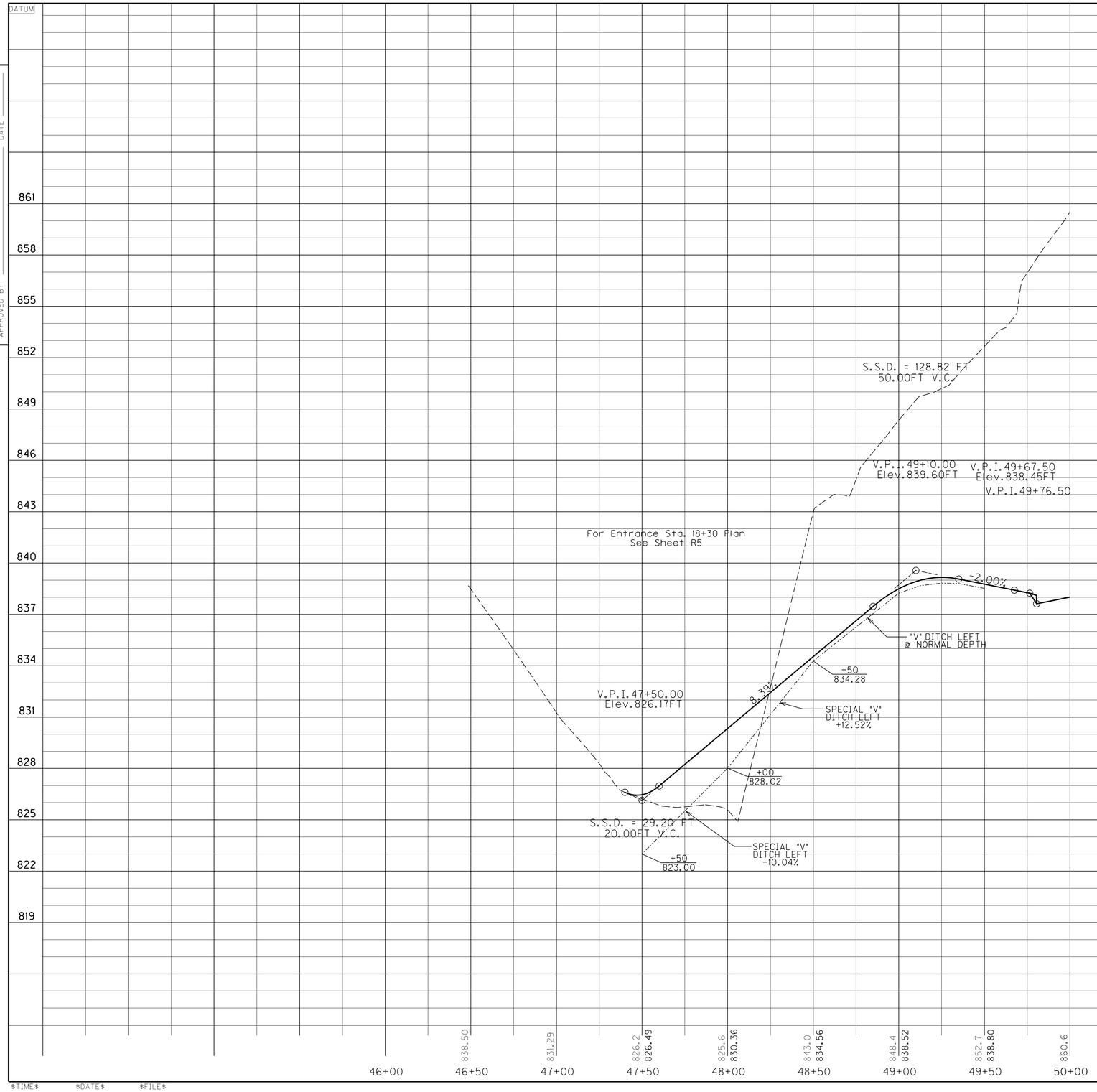
COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R69a

R/W REV. NUMBER 3 AUGUST 14, 2013

DATUM

DATE
DATE
DATE

PREPARED BY
CHECKED BY
APPROVED BY



RIGHT OF WAY PLANS

SCALE: 1" = 30' HORIZONTAL
1" = 3' VERTICAL

PROFILE SHEET
ENTRANCE STA. 18+30

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$TIME$ $DATE$ $FILE$

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R69b

R/W REV. NUMBER 3 AUGUST 14, 2013
R/W REV. NUMBER 9 APRIL 24, 2015

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

DATUM 888 885 882 879 876 873 870 867 864 861 858 855 852 849 846 843 840 837 834 831

V.P.I. 55+00.00
Elev. 885.29FT
100.00FT V.C.
S.S.D. = 189.22 FT

V.P.I. 56+30.36
Elev. 886.60FT

1.00%

8.15%

V.P.I. 53+50.00
Elev. 872.17FT
100.00FT V.C.
S.S.D. = 382.19 FT

BY OTHERS

For Entrance Sta. 21+20 Plan
See Sheet R7

12.00%

V.P.I. 50+50.50
Elev. 836.23FT
10.00FT V.C.
S.S.D. = 30.30 FT

END PAVEMENT

V.P.I. 50+32.50
Elev. 835.87FT

2.00%

50+00	50+50	51+00	51+50	52+00	52+50	53+00	53+50	54+00	54+50	55+00	55+50	56+00	56+50
852.5	856.8 836.32	858.0 842.17	860.7 848.17	863.6 854.17	867.4 860.17	869.3 866.17	868.6 871.76	873.2 876.54	880.3 880.92	884.9 884.33	886.6 885.79	886.9 886.29	

RIGHT OF WAY PLANS

SCALE: 1" = 30' HORIZONTAL
1" = 3' VERTICAL

PROFILE SHEET
ENTRANCE STA. 21+20

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$TIME$ $DATE$ $FILE$

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R62

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

DATUM
936
933
930
927
924
921
918
915
912
909
906
903
900
897
894
891
888

℄ TIBURON DRIVE

+00
898.65

BEGIN NORMAL
DITCH LEFT

+25
910.33

+50
917.26

2' F.B. SPECIAL
DITCH LEFT
8.58%

+75
913.10

+00
912.97

2' F.B. SPECIAL
DITCH LEFT
-0.50%

+00
918.89

2' F.B. SURFACE
DITCH LEFT
1.78%

+00
920.67

V.P.I.57+95.00
Elev.932.73FT
100.00FT V.C.
S.S.D. = 352.47 FT

V.P.I.59+00.00
Elev.934.81FT

1.97%

5.54%

2' F.B. SURFACE
DITCH LEFT
10.26%

+97.62
888.15

+25
911.72

V.P.I.51+50.00
Elev.896.99FT
250.00FT V.C.
S.S.D. = 197.32 FT

V.P.I.50+13.59
Elev.898.99FT

-1.46%

+50
896.64

2' F.B. SURFACE
DITCH RIGHT
-3.42%

2' F.B. SPECIAL
DITCH RIGHT
11.59%

+53.22
893.23

997.9 898.54 | 891.5 898.51 | 893.4 899.18 | 903.5 900.55 | 907.8 902.62 | 910.7 905.30 | 913.0 908.08 | 913.1 910.85 | 914.2 913.62 | 914.7 916.39 | 915.2 919.16 | 919.9 921.93 | 924.3 924.70 | 927.1 927.47 | 929.5 930.24

50+00 | 50+50 | 51+00 | 51+50 | 52+00 | 52+50 | 53+00 | 53+50 | 54+00 | 54+50 | 55+00 | 55+50 | 56+00 | 56+50 | 57+00 | 57+50

931.7 932.47 | 933.3 933.82 | 934.7 934.81

58+00 | 58+50 | 59+00

RIGHT OF WAY PLANS

SCALE: 1" = 30' HORIZONTAL
1" = 3' VERTICAL

PROFILE SHEET
HIGHLAND DR.
STA. 50+00 TO STA. 58+00

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$TIME$ $DATE$ $FILE$

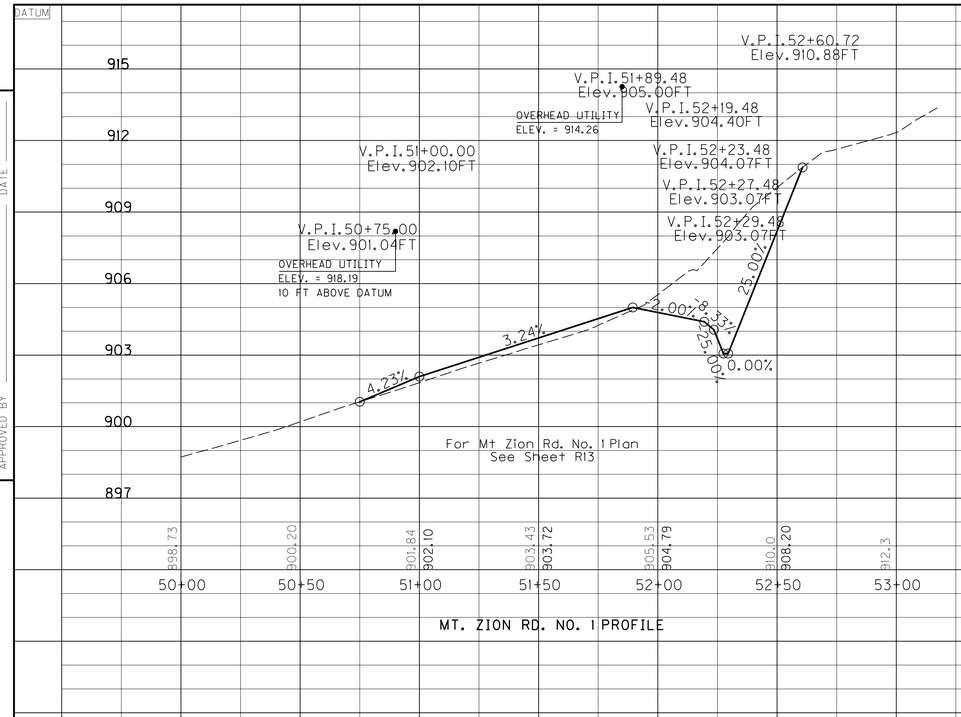
RIGHT OF WAY PLANS

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R63

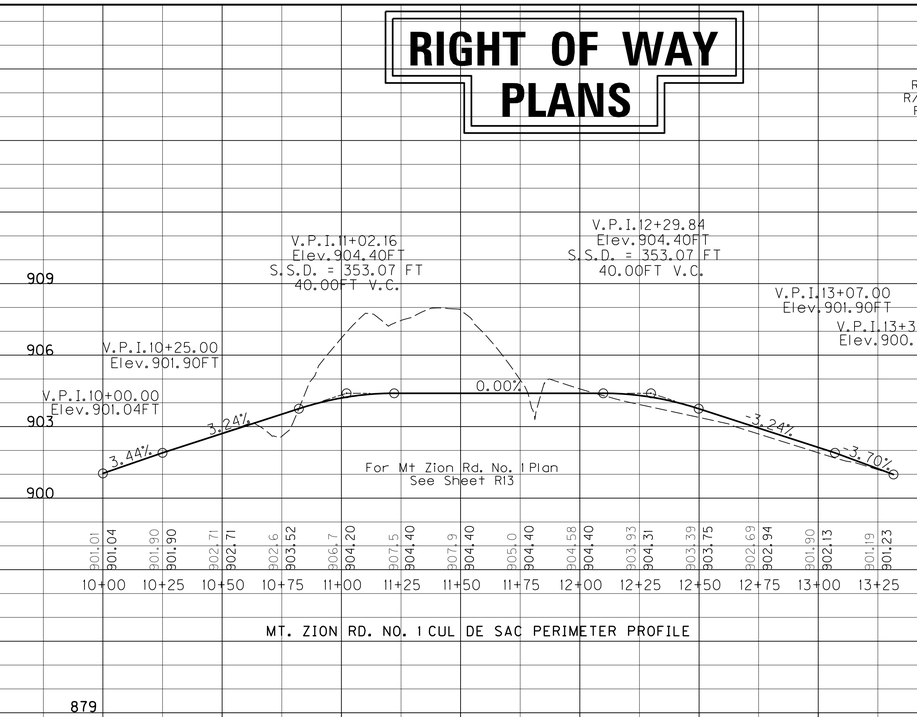
R/W REV. NUMBER 3 AUGUST 14, 2013
R/W REV. NUMBER 5 NOVEMBER 13, 2013
R/W REV. NUMBER 7 AUGUST 5, 2014

DATUM

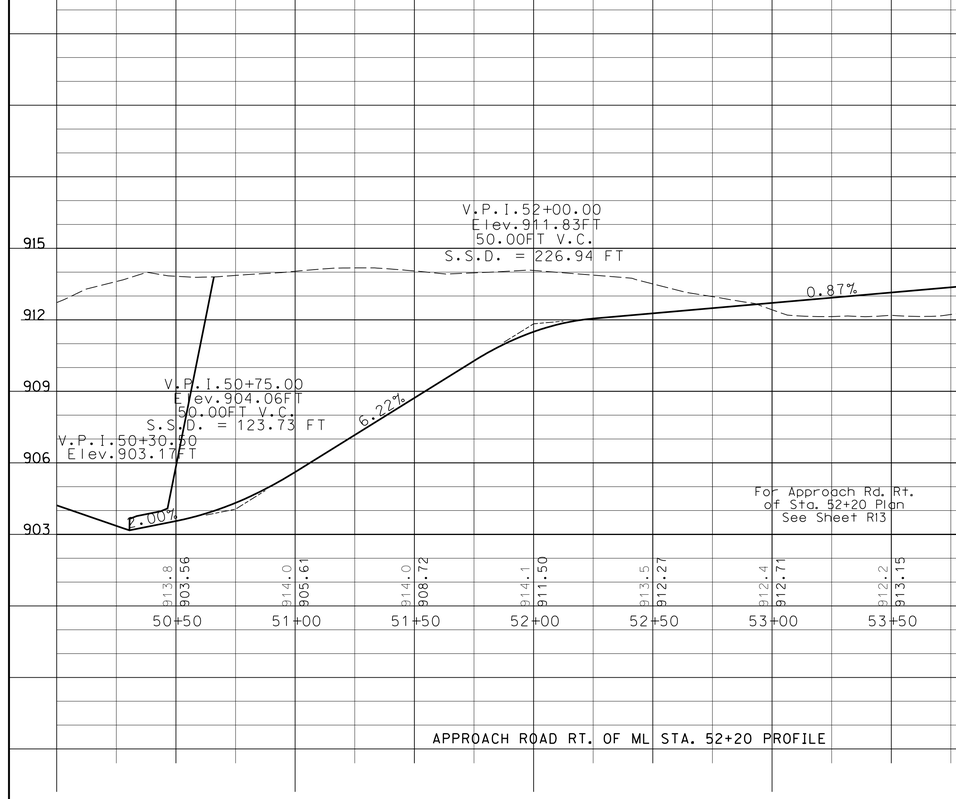
PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____



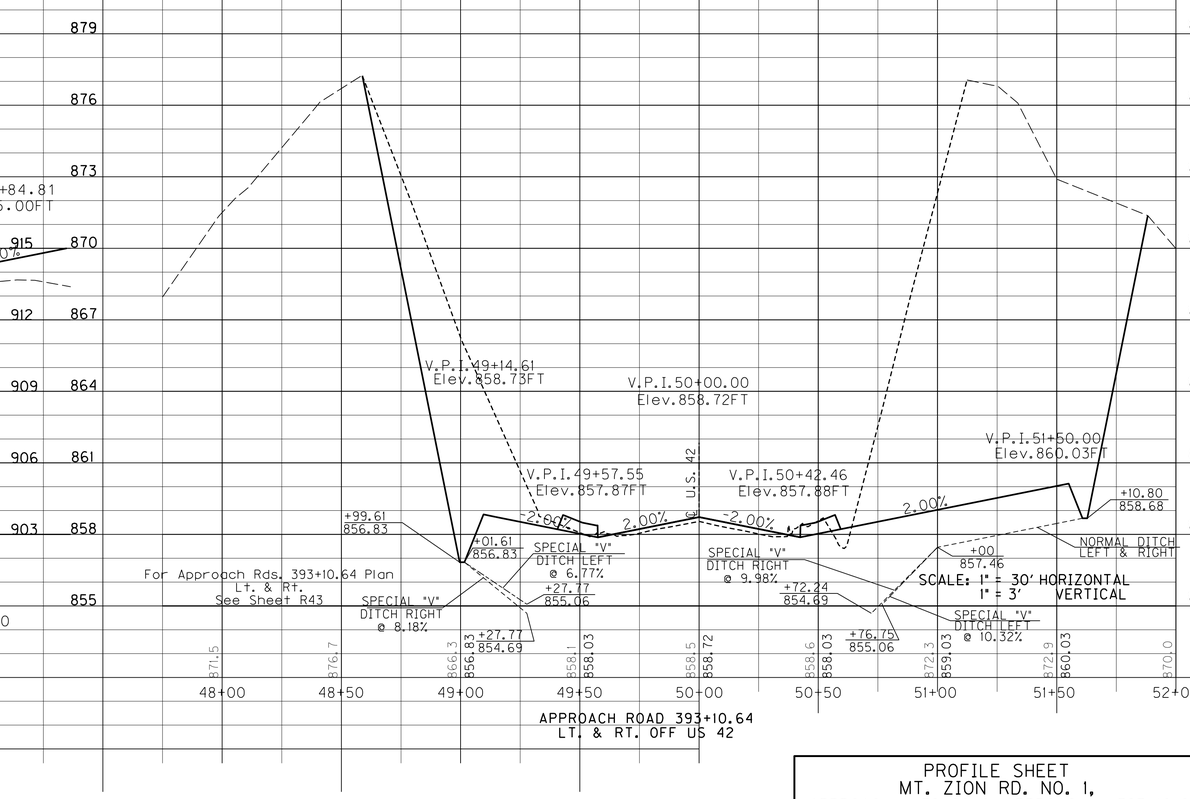
MT. ZION RD. NO. 1 PROFILE



MT. ZION RD. NO. 1 CUL DE SAC PERIMETER PROFILE



APPROACH ROAD RT. OF ML STA. 52+20 PROFILE



APPROACH ROAD 393+10.64
LT. & RT. OFF US 42

PROFILE SHEET
MT. ZION RD. NO. 1,
APPROACH @ 52+20 & APPROACH @ 393+10.64

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$files$specification$$$$
E-SHEET NAME:

$TIME$ $DATE$ $FILE$

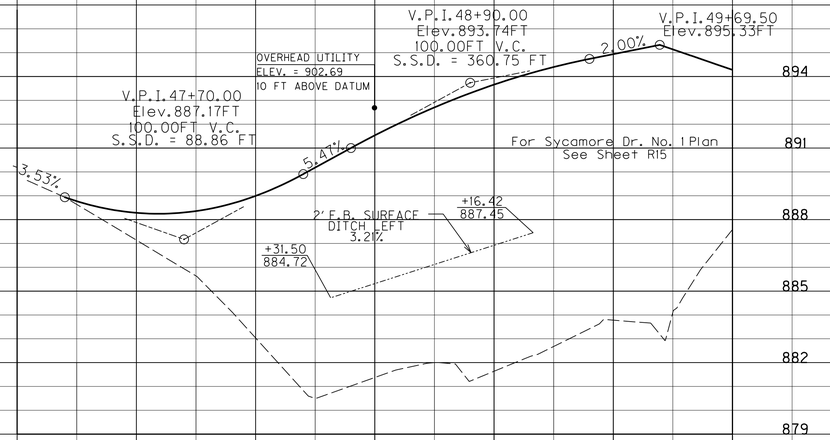
DATUM

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R64

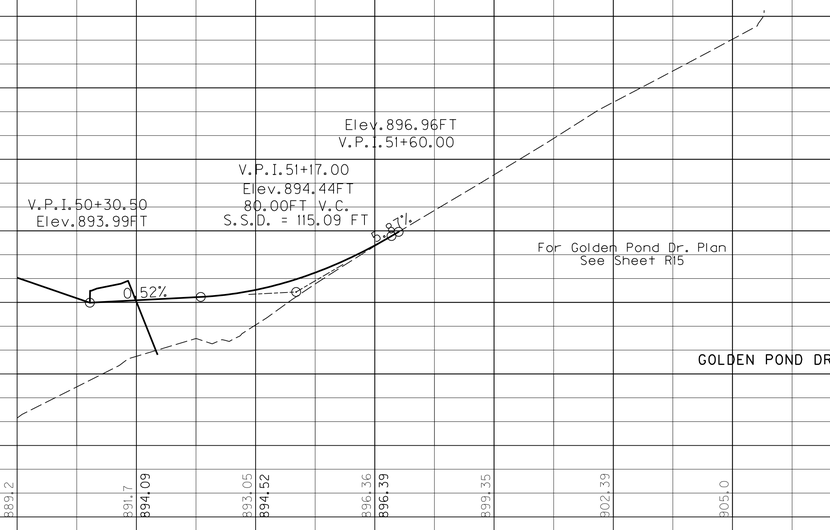
DATUM

R/W REV. NUMBER 3 AUGUST 14, 2013

PREPARED BY DATE
CHECKED BY DATE
APPROVED BY DATE



SYCAMORE DR. NO. 1



GOLDEN POND DR.

SCALE: 1" = 30' HORIZONTAL
1" = 3' VERTICAL

RIGHT OF WAY PLANS

PROFILE SHEET
SYCAMORE DR. NO.1
AND GOLDEN POND DR.

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

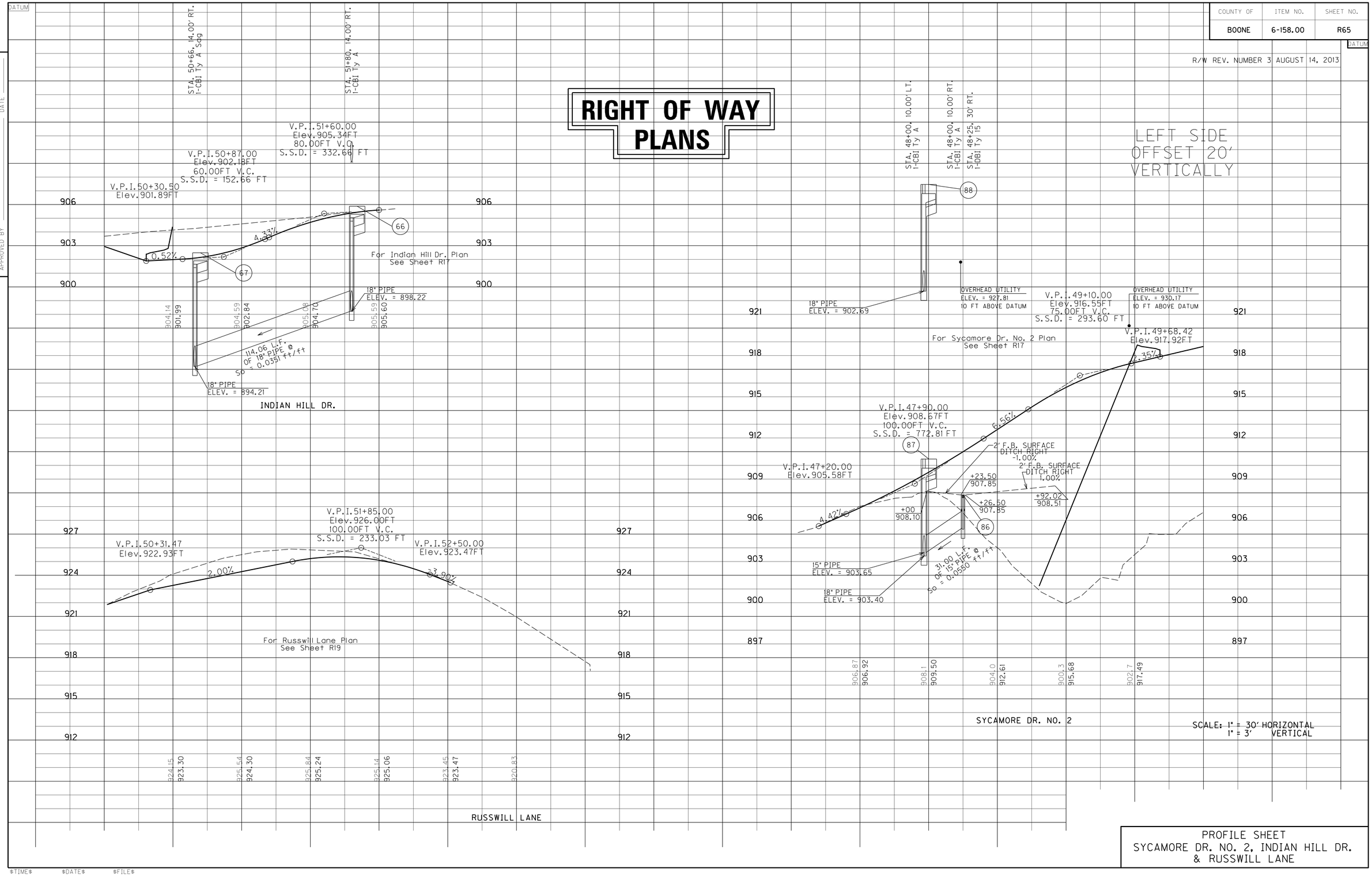
$TIME$ $DATE$ $FILE$

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R65

R/W REV. NUMBER 3 AUGUST 14, 2013

RIGHT OF WAY PLANS

PREPARED BY DATE
CHECKED BY DATE
APPROVED BY DATE



SCALE: 1" = 30' HORIZONTAL
1" = 3' VERTICAL

PROFILE SHEET
SYCAMORE DR. NO. 2, INDIAN HILL DR.
& RUSSWILL LANE

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$TIME$ $DATE$ $FILE$

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R66

R/W REV. NUMBER 3 AUGUST 14, 2013
R/W REV. NUMBER 8 JANUARY 26, 2015

DATUM

906
903
900
897
894
891
888
876
873
870
867
864
861
858
855

For Appr. Rd. 101+50 Plan
See Sheet R25

V.P.I. 49+00.00
Elev. 895.11FT
100.00FT V.C.
S.S.D. = 319.54 FT

V.P.I. 49+69.50
Elev. 894.41FT

-1.00%

℄ Entrance Lt.

15" Pipe

890.0
892.7 893.61
895.0 894.61
896.6 894.61

APPR. RD. 101+50

For Hempsteade Dr. Plan
See Sheet R25

V.P.I. 52+25.00
Elev. 900.23FT

EXISTING GROUND LINE @ CENTERLINE

V.P.I. 50+28.50
Elev. 895.62FT

PROPOSED GRADE POINT 17' RT.

15" Pipe

896.03
896.6
900.9
901.8
902.4
901.62
902.2
902.1

HEMPSTEADE DR.

OVERHEAD UTILITY
ELEV. = 909.29
30 FT ABOVE DATUM

For Union Bluffs Dr. Plan
See Sheet R27

V.P.I. 49+15.00
Elev. 858.21FT
75.00FT V.C.
S.S.D. = 103.85 FT

V.P.I. 49+69.48
Elev. 859.41FT

V.P.I. 48+75.00
Elev. 859.64FT

-3.56%

2.19%

18" Pipe
18" Pipe

859.6
861.5
862.8
862.9
862.2
861.4
861.0
861.2
861.46
860.52
858.60 858.94
857.32 858.98

UNION BLUFFS DR.

RIGHT OF WAY PLANS

SCALE: 1" = 30' HORIZONTAL
1" = 3' VERTICAL

PROFILE SHEET
HEMPSTEADE DR. & UNION BLUFFS DR.
& APPR. RD. 101+50

PREPARED BY DATE
CHECKED BY DATE
APPROVED BY DATE

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

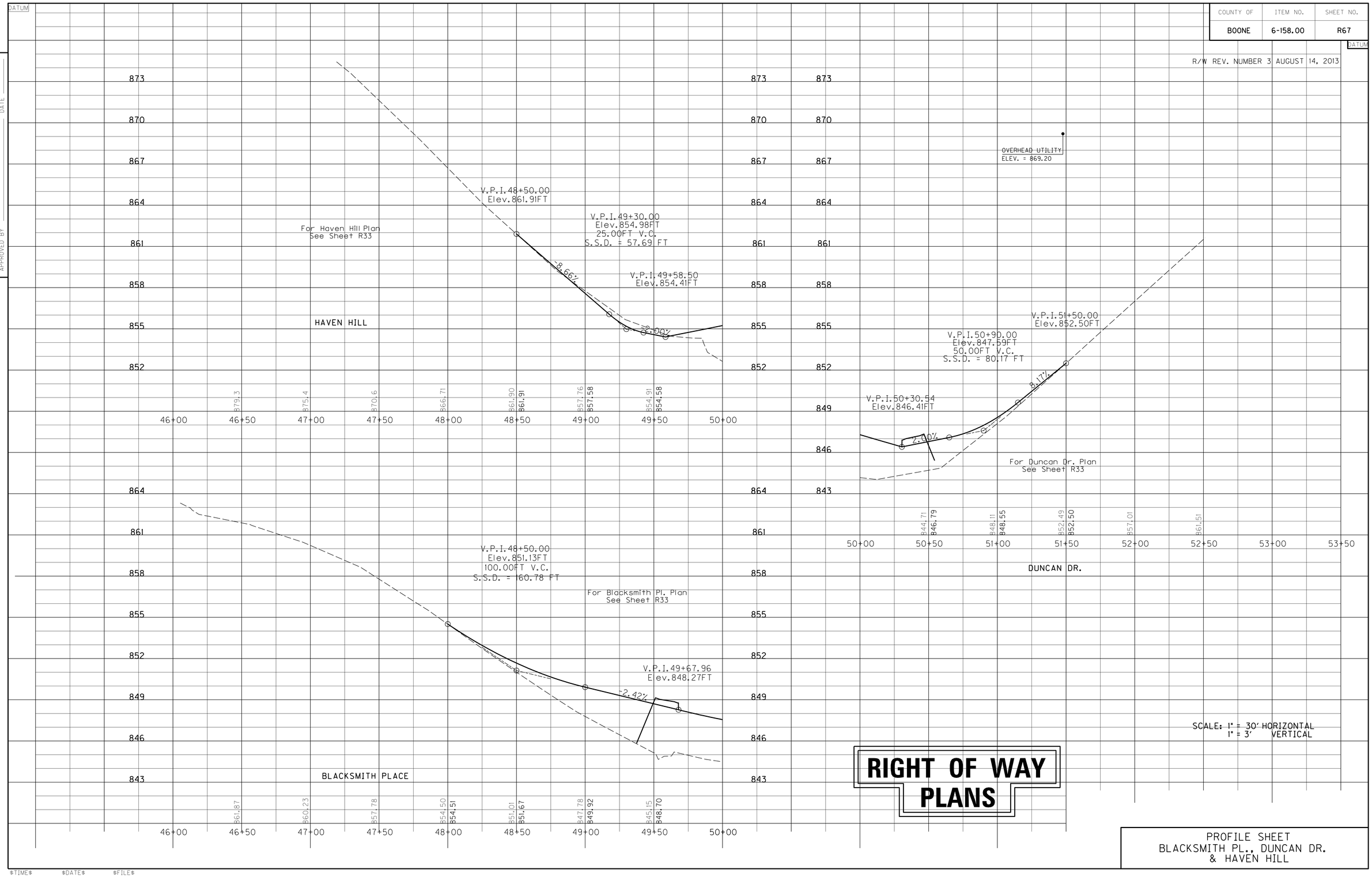
$TIME$ $DATE$ $FILE$

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R67

DATUM

R/W REV. NUMBER 3 AUGUST 14, 2013

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____



SCALE: 1" = 30' HORIZONTAL
1" = 3' VERTICAL

RIGHT OF WAY PLANS

PROFILE SHEET
BLACKSMITH PL., DUNCAN DR.
& HAVEN HILL

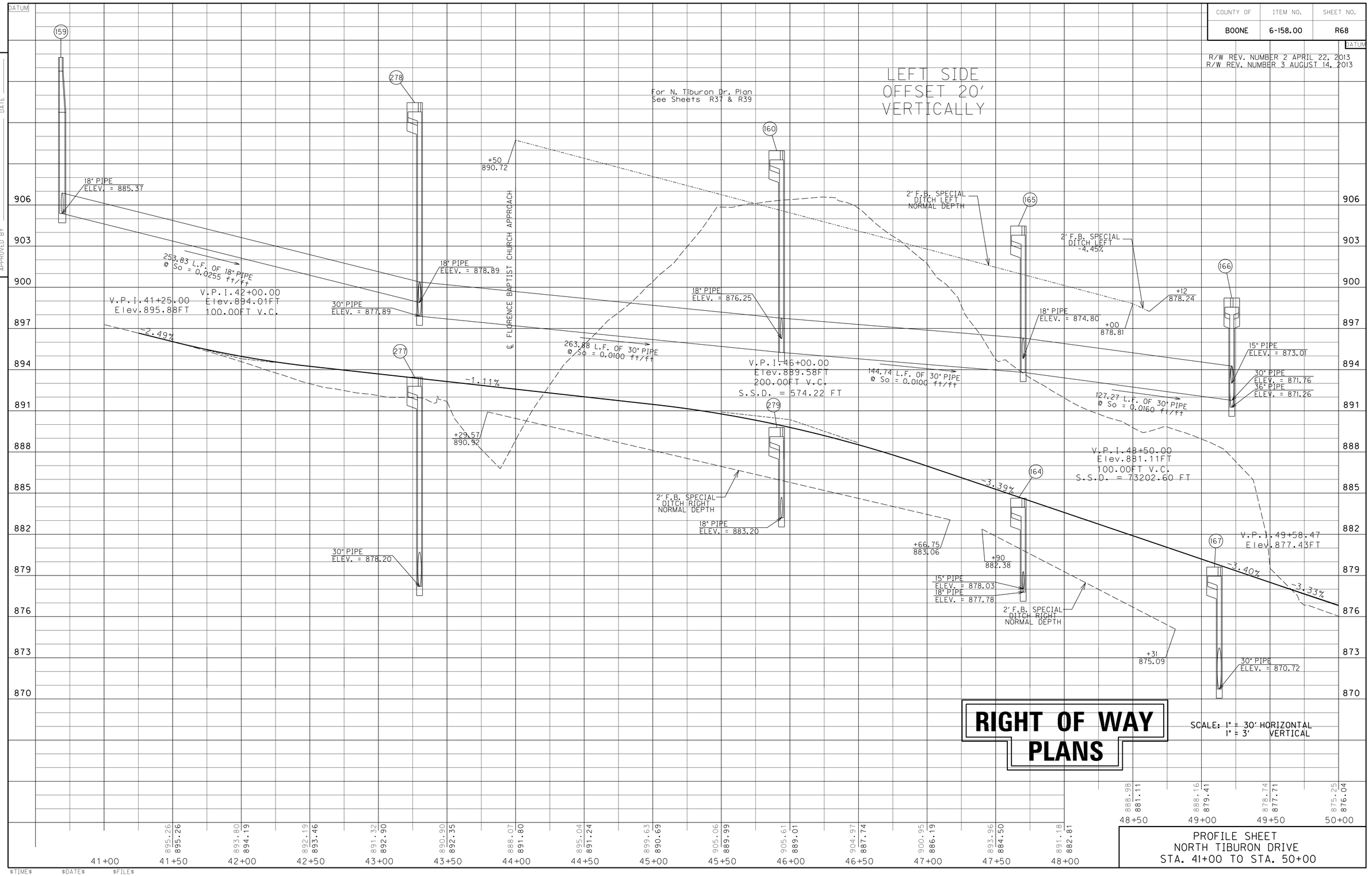
USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$TIME$ $DATE$ $FILE$

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R68

R/W REV. NUMBER 2 APRIL 22, 2013
R/W REV. NUMBER 3 AUGUST 14, 2013

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____



RIGHT OF WAY PLANS

SCALE: 1" = 30' HORIZONTAL
1" = 3' VERTICAL

PROFILE SHEET
NORTH TIBURON DRIVE
STA. 41+00 TO STA. 50+00

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specifications$$$$
E-SHEET NAME:

$TIME$ $DATE$ $FILE$

DATUM

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R69

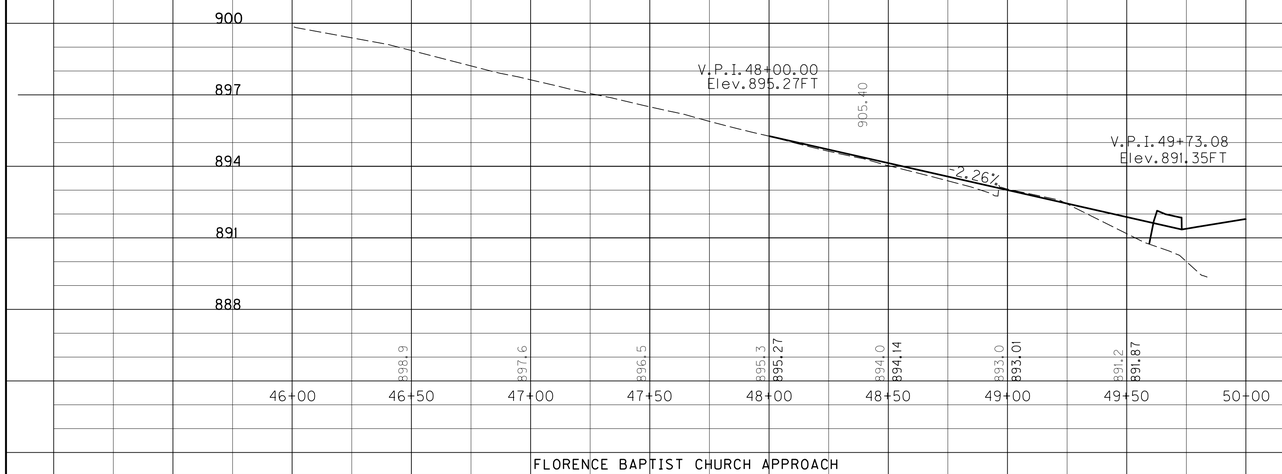
DATUM

R/W REV. NUMBER 2 APRIL 22, 2013
R/W REV. NUMBER 3 AUGUST 14,2013

DATE
DATE
DATE

PREPARED BY
CHECKED BY
APPROVED BY

For Florence Baptist Churc Approach Plan
See Sheet R39



FLORENCE BAPTIST CHURCH APPROACH

RIGHT OF WAY PLANS

SCALE: 1" = 30' HORIZONTAL
1" = 3' VERTICAL

PROFILE SHEET
FLORENCE BAPTIST CHURCH APPROACH

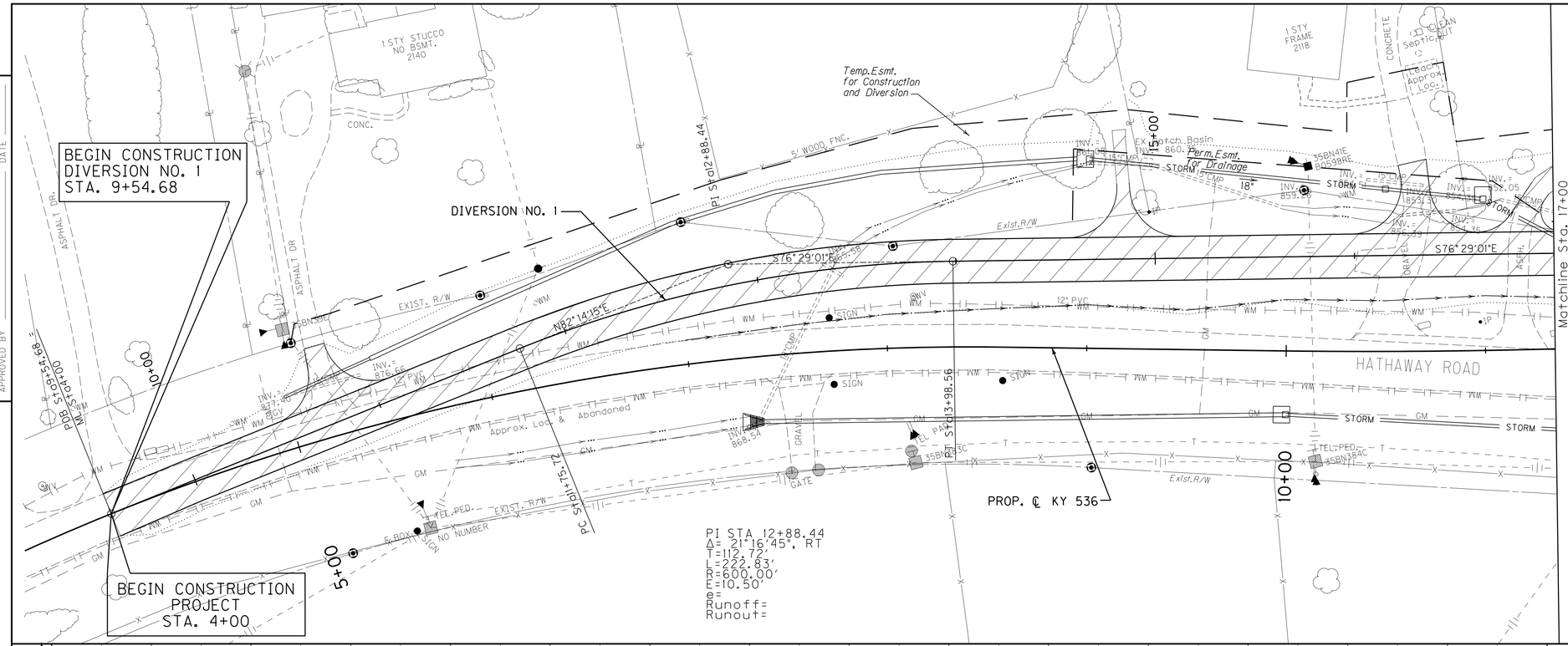
USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$TIME$ $DATE$ $FILE$

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158	R70

R/W REV. NUMBER 1 JANUARY 25, 2013

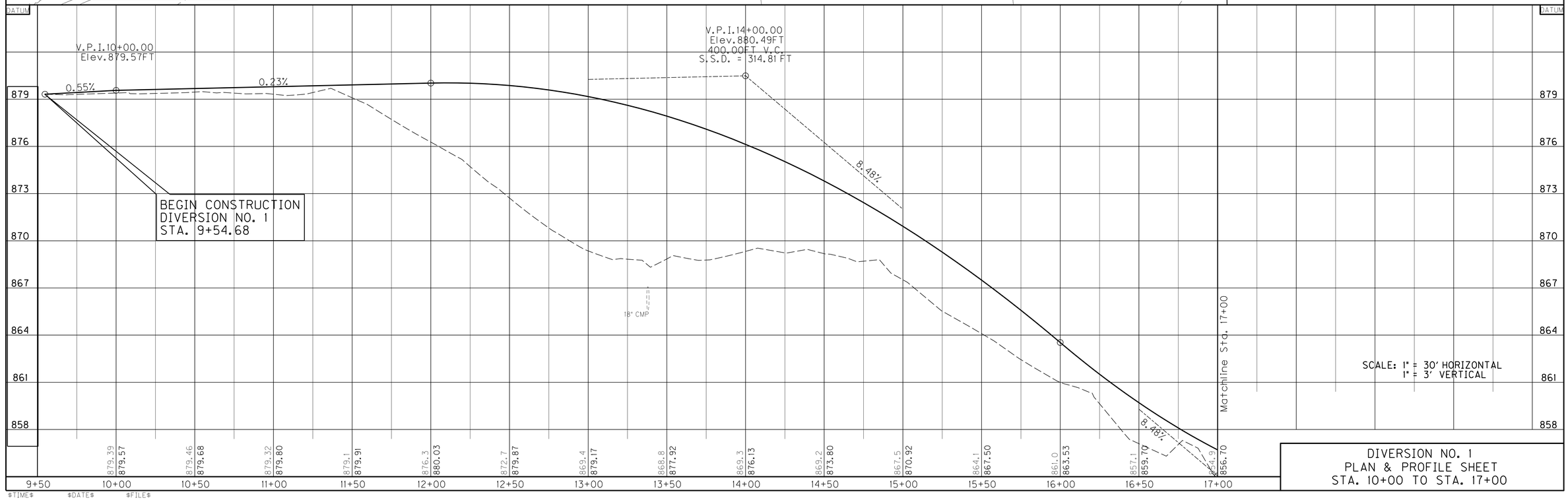
PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____



NOTE:
Diversion 1 to be constructed in Phase IB.

SCALE: 1"= 30'

RIGHT OF WAY PLANS



SCALE: 1" = 30' HORIZONTAL
1" = 3' VERTICAL

DIVERSION NO. 1
PLAN & PROFILE SHEET
STA. 10+00 TO STA. 17+00

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:
$TIME$ $DATE$ $FILE$

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R71

R/W REV. NUMBER 10 MAY 17, 2016

PREPARED BY — DATE
CHECKED BY — DATE
APPROVED BY — DATE

HERBERT J.WALKE III & KRISTI J.WALKE (WF) DB 947 PG 841

PI STA 21+60.46
Δ= 48° 47'46", LT
T= 181.43'
L= 340.66'
R= 400.00'
E= 39.22'

Matchline Sta. 17+00

During this Phase construct bottom portion only. Cover with steel plate.

DIVERSION NO. 1

Temp.Esmt. for Construction and Diversion

Prop.R/W

Construct 34 L.F. of 60" Temp. Pipe and connect to Exist. Pipe.

60" Temp. Pipe

During this Phase construct bottom portion only. Cover with steel plate.

Construct 42 LF Temp. 18" Pipe

During this Phase construct bottom portion of CBI only and connect to Exist. Pipe. Cover the structure with a steel plate.

END CONSTRUCTION DIVERSION NO. 1 STA. 23+00

PROP. ℄ KY 536

HATHAWAY ROAD

Exist.R/W

NOTE:
Diversion 1 to be constructed in Phase IB.

ROBERT E.REEVES & CAROL REEVES (WF) DB 316 PG 112

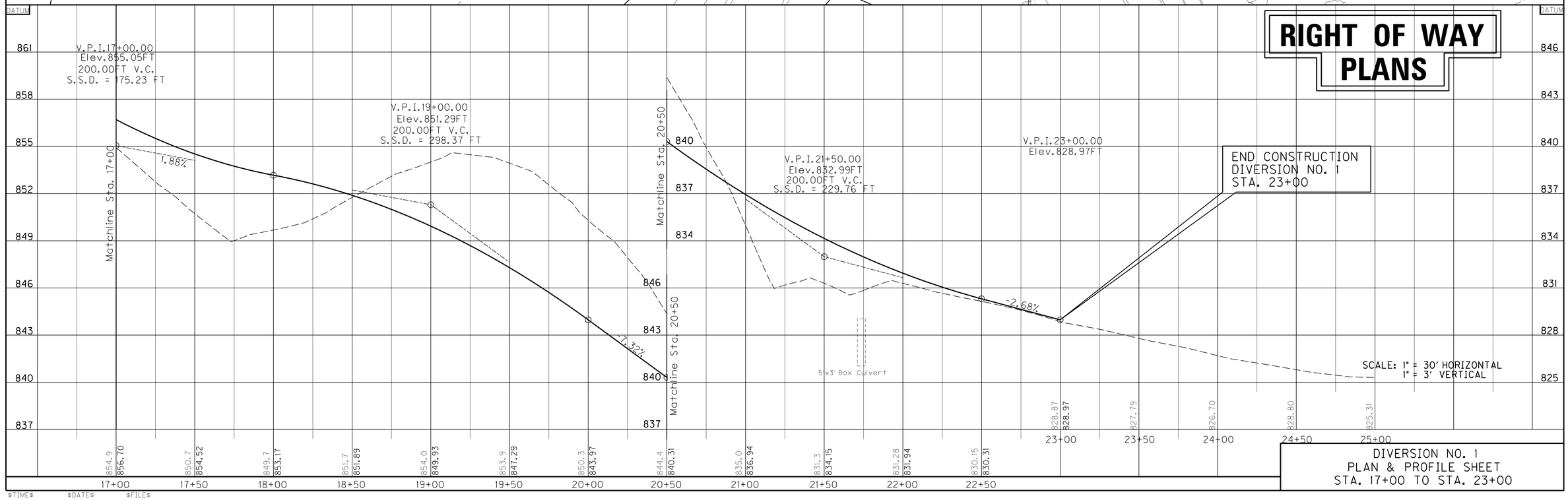
DAVID P.BRUN & MARY DENISE BRUN (WF) DB 332 PG 248

TERRY N.TANNER & DONNA SUE TANNER (WF) DB 276 PG 97 DB 283 PG 134 DB 316 PG 148

THOMAS G.BOONE & MARGARET A.BOONE (WF) DB 389 PG 147

SCALE: 1"= 30'

RIGHT OF WAY PLANS



DIVERSION NO. 1
PLAN & PROFILE SHEET
STA. 17+00 TO STA. 23+00

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$TIME$ $DATE$ $FILE$

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R72

PREPARED BY
CHECKED BY
APPROVED BY
DATE
DATE
DATE

BEGIN CONSTRUCTION
DIVERSION NO. 2
STA. 20+09.70

END CONSTRUCTION
DIVERSION NO. 2
STA. 21+68.58

PROP. ℄ KY 536

PI STA 20+87.33
Δ= 66°12'57"
T= 32.60'
L= 57.78'
R= 50.00'
E= 9.69'
e=
Runoff=
Runout=

Remove 47 LF
Exist. Pipe

PC STA 20+54.73

PT STA 21+12.51

S24°36'40"E

N89°10'23"E

Construct
49 LF 15" Pipe

Temp. Esmt.
for Construction
and Diversion

DIVERSION NO. 2

Prop. R/W

EXIST. R/W

MOUNT ZION ROAD

POND DRIVE

NOTE:
Diversion 2 to be constructed in Phase IA.

SCALE: 1"= 30'

RIGHT OF WAY PLANS

BEGIN CONSTRUCTION
DIVERSION NO. 2
STA. 20+09.70

V.P.I. 20+09.70
Elev. 896.11FT

V.P.I. 21+68.58
Elev. 892.93FT

END CONSTRUCTION
DIVERSION NO. 2
STA. 21+68.58

-2.00%

Temp.
15" Pipe

DATUM
903
900
897
894
891

895.95
899.9 895.30
901.5 894.30
895.6 893.30

20+00 20+50 21+00 21+50 22+00

SCALE: 1" = 30' HORIZONTAL
1" = 3' VERTICAL

DIVERSION NO. 2
PLAN & PROFILE SHEET
STA. 20+00 TO STA. 21+78.47

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$TIME$ $DATE$ $FILE$

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R73

DATE
DATE
DATE
PREPARED BY
CHECKED BY
APPROVED BY

BEGIN CONSTRUCTION DIVERSION NO. 3 STA. 30+00.00

END CONSTRUCTION DIVERSION NO. 3 STA. 36+22.40

PROP. ℄ SYCAMORE DRIVE

PROP. ℄ KY 536

MOUNT ZION ROAD

SYCAMORE DRIVE

RUSSWILL LANE

DIVERSION NO. 3

Construct 51 LF Temp. 15" Pipe

Construct 53 LF Temp. 15" Pipe

Construct 15 LF Temp. 18" Pipe

Construct 50 LF Temp. 15" Pipe

Construct 424 LF of Temp. Asphalt Wedge Curb

Temp. Esmt. for Construction and Diversion

Perm. Esmt. for Drainage

Prop. R/W

PI STA 35+57.57
Δ= 14°43'00", LT
T = 41.32'
L = 82.19'
R = 320.00'
E = 2.66'

PI STA 34+05.81
Δ= 6°06'06", RT
T = 42.64'
L = 85.20'
R = 800.00'
E = 1.14'

NOTE:
Diversion 3 to be constructed in Phase IA.

SCALE: 1"= 30'

BEGIN CONSTRUCTION DIVERSION NO. 3 STA. 30+00.00

V.P.I. 30+00.00 Elev. 914.99FT
V.P.I. 30+50.00 Elev. 912.47FT
V.P.I. 31+00.00 Elev. 909.05FT
V.P.I. 31+50.00 Elev. 906.40FT
V.P.I. 32+00.00 Elev. 905.18FT
V.P.I. 32+50.00 Elev. 905.26FT
V.P.I. 33+00.00 Elev. 906.33FT
V.P.I. 33+50.00 Elev. 907.89FT
V.P.I. 34+50.00 Elev. 912.44FT
V.P.I. 35+00.00 Elev. 914.45FT
V.P.I. 35+50.00 Elev. 916.44FT
V.P.I. 36+00.00 Elev. 918.00FT
V.P.I. 36+22.40 Elev. 918.75FT

-5.03%
-6.85%
-5.30%
-2.45%
0.17%
2.14%
3.11%
4.55%
4.02%
3.98%
3.11%
3.37%

END CONSTRUCTION DIVERSION NO. 3 STA. 36+22.40

914.89 914.99
912.37 912.47
908.95 909.05
906.30 906.40
905.08 905.18
18" CMP
905.16 905.26
906.23 906.33
907.8 907.89
910.0 910.16
912.34 912.44
914.38 914.45
916.34 916.44
917.90 918.00

30+00 30+50 31+00 31+50 32+00 32+50 33+00 33+50 34+00 34+50 35+00 35+50 36+00

924 921 918 915 912 909 906 903

RIGHT OF WAY PLANS

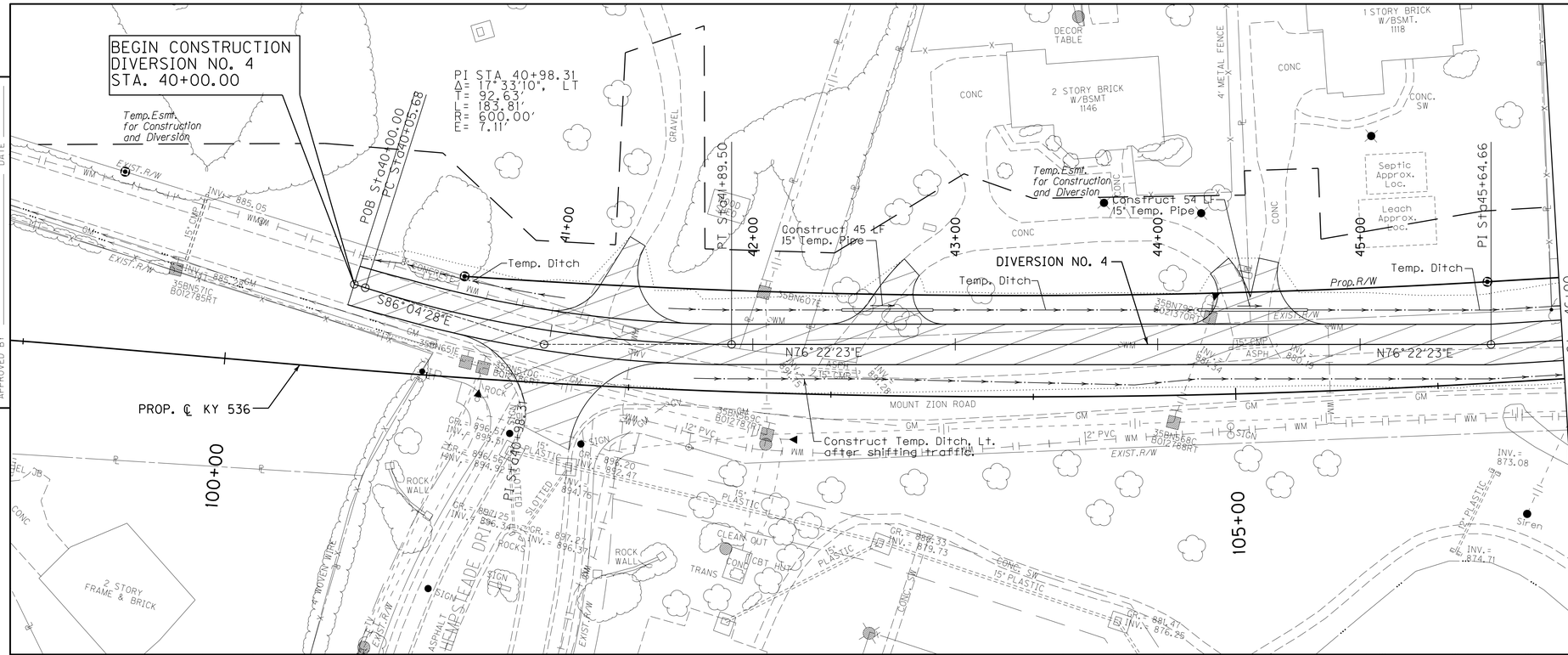
SCALE: 1" = 30' HORIZONTAL
1" = 3' VERTICAL

DIVERSION NO. 3
PLAN & PROFILE SHEET
STA. 30+00 TO STA. 36+22

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$TIME$ $DATE$ $FILE$

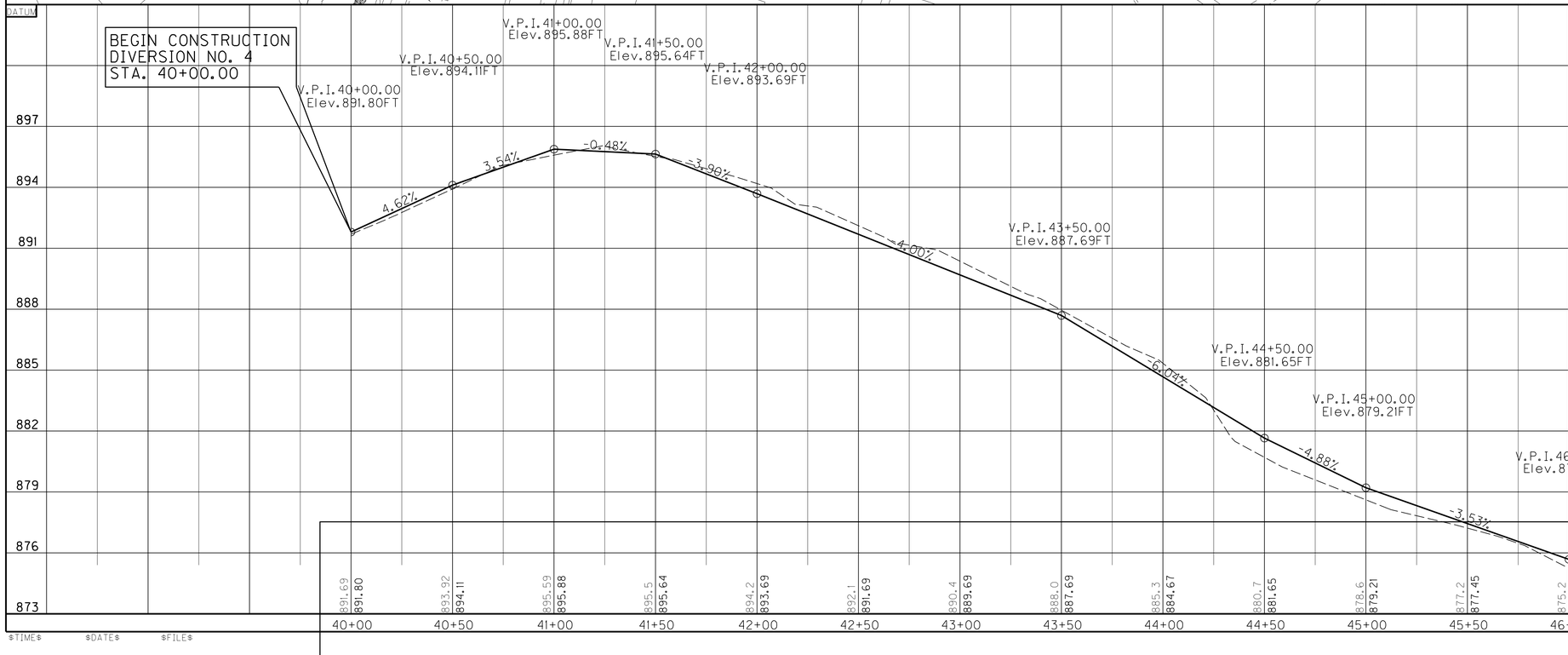
COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R74



NOTE:
Diversion 4 to be constructed in Phase IA.

SCALE: 1"= 30'

RIGHT OF WAY PLANS



SCALE: 1" = 30' HORIZONTAL
1" = 3' VERTICAL

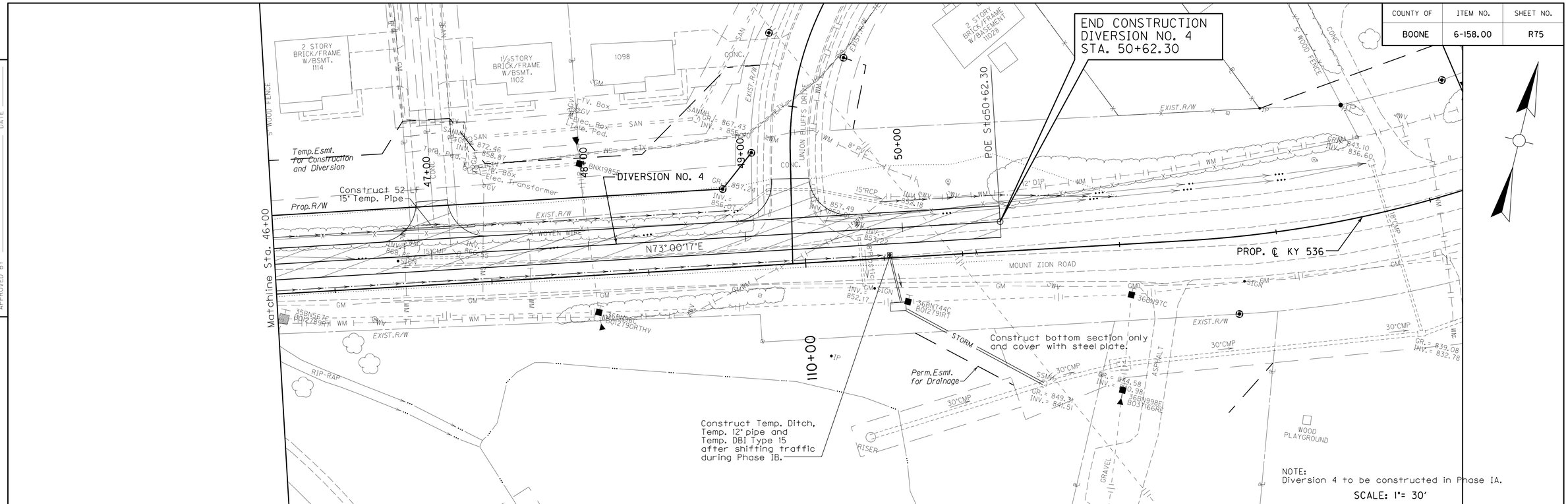
DIVERSION NO. 4
PLAN & PROFILE SHEET
STA. 40+00 TO STA. 46+00

PREPARED BY DATE
CHECKED BY DATE
APPROVED BY DATE

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

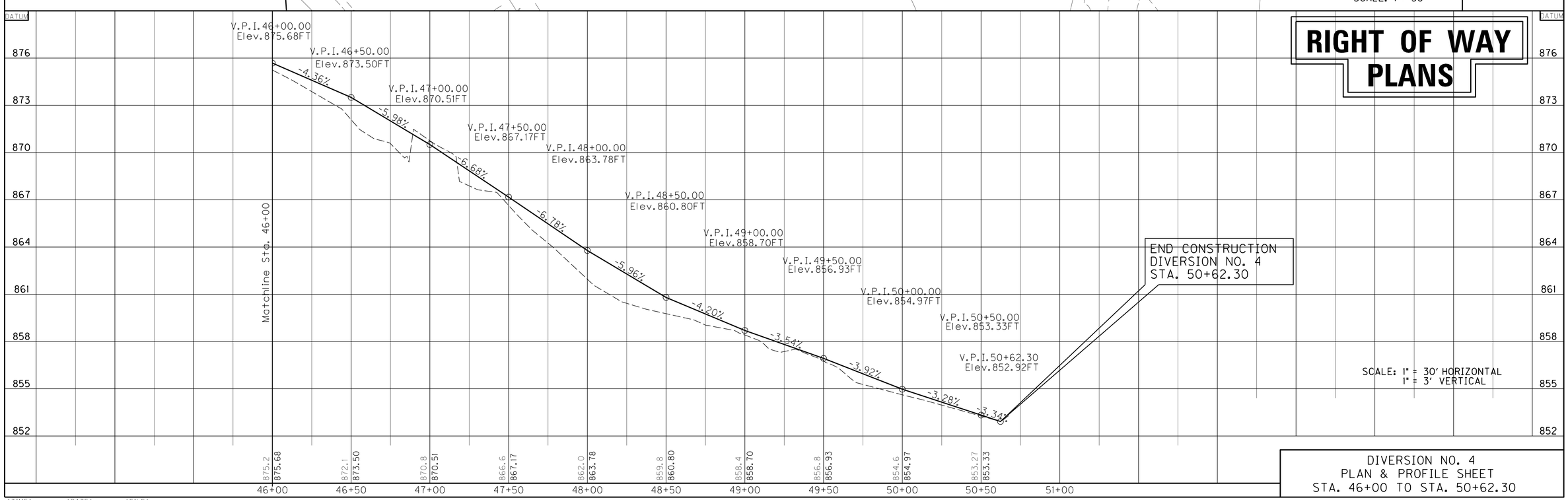
$TIME$ $DATE$ $FILE$

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R75



NOTE:
Diversion 4 to be constructed in Phase IA.

SCALE: 1"= 30'



DIVERSION NO. 4
PLAN & PROFILE SHEET
STA. 46+00 TO STA. 50+62.30

PREPARED BY DATE
CHECKED BY DATE
APPROVED BY DATE

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$TIME$ $DATE$ $FILE$

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R76

PREPARED BY
CHECKED BY
APPROVED BY
DATE
DATE
DATE

BEGIN CONSTRUCTION
DIVERSION NO. 5
STA. 51+00.00

Construct 44 LF
Temp. 15 Pipe
w/ Tee - Inv. 830.21

Temp.Esmt. for Construction and Diversion

Prop.R/W

Construct
Temp. DBI
Type 15
Grate 834.90
Inv. 832.27

Proposed Mainline portion constructed Phase IA

PROP. ℄ KY 536

DIVERSION NO. 5

Perm.Esmt. for Drainage

Temp.Esmt. for Construction and Diversion

Temp. 2' FB DT

PI STA 53+94.51
Δ = 35°16'35" RT
T = 286.16'
L = 554.12'
R = 900.00'
E = 44.40'

END CONSTRUCTION
DIVERSION NO.5
STA. 57+00.00

NOTE:
Diversion 4 to be constructed in Phase IA.

SCALE: 1"= 30'

RIGHT OF WAY PLANS

BEGIN CONSTRUCTION
DIVERSION NO. 5
STA. 51+00.00

V.P.I.51+50.00
Elev.838.53FT
100.00FT V.C.
S.S.D. = 292.51 FT

V.P.I.52+50.00
Elev.835.96FT
100.00FT V.C.
S.S.D. = 158.04 FT

1.84%

V.P.I.57+00.00
Elev.844.24FT

END CONSTRUCTION
DIVERSION NO.5
STA. 57+00.00

24" CMP

5'X5' RCBC

SCALE: 1" = 30' HORIZONTAL
1" = 3' VERTICAL

	50+00	50+50	51+00	51+50	52+00	52+50	53+00	53+50	54+00	54+50	55+00	55+50	56+00	56+50	57+00	57+50
	833.8	834.1	833.9	834.7	834.1	830.0	831.9	833.2	834.7	835.7	839.9	838.9	841.2	842.99	844.09	
	842.40		837.59	837.97	837.25	836.51	836.88	837.80	838.72	839.64	840.56	841.48		843.32	844.24	

DIVERSION NO. 5
PLAN & PROFILE SHEET
STA. 50+00 TO STA. 55+00

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$TIME$ $DATE$ $FILE$

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R77

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

BEGIN CONSTRUCTION
DIVERSION NO. 6
STA. 59+99.87

END CONSTRUCTION
DIVERSION NO. 6
STA. 64+96.68

DIVERSION NO. 6

PROP. ℄ GUNPOWDER RD.

Florence

GUNPOWDER CREEK

CHURCHILL DR.

PI STA 61+16.86
Δ= 19°32'59", LT
T= 17.23'
L= 34.12'
R= 100.00'
E= 1.47'
e=
Runoff=
Runout=

PI STA 63+32.22
Δ= 13°39'31", LT
T= 83.83'
L= 166.87'
R= 700.00'
E= 5.00'
e=
Runoff=
Runout=

PI STA 60+36.33
Δ= 22°58'01", RT
T= 20.32'
L= 40.08'
R= 100.00'
E= 2.04'
e=
Runoff=
Runout=

S30°14'34"E
S2°16'55"E
S26°49'55"E
S40°29'25"E

Perm.Esmt. for Drainage

Perm.Esmt. for Drainage

Construct 23 LF
Temp 18" Pipe
Inv 814.01

Construct 20 LF
Temp 18" Pipe
Inv 816.63

Temp.Esmt. for Construction and Diversion

NOTE:
Diversion 4 to be constructed in Phase IA.

SCALE: 1"= 30'

V.P.I.60+00.00
Elev.817.46FT

V.P.I.64+00.00
Elev.823.70FT
200.00FT V.C.
S.S.D. = 557.27 FT

1.56%

59+50	60+00	60+50	61+00	61+50	62+00	62+50	63+00	63+50	64+00	64+50	65+00
	817.34 / 817.46	817.83 / 818.24	816.4 / 819.02	816.0 / 819.80	817.2 / 820.58	817.6 / 821.36	818.3 / 822.14	819.2 / 822.77	822.12 / 823.11	822.49 / 823.15	822.90

RIGHT OF WAY PLANS

SCALE: 1" = 30' HORIZONTAL
1" = 3' VERTICAL

DIVERSION NO. 6
PLAN & PROFILE SHEET
STA. 60+00 TO STA. 64+96.68

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$TIME$ $DATE$ $FILE$

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R78

R/W REV. NUMBER 1 JANUARY 25, 2013
R/W REV. NUMBER 2 APRIL 22, 2013
R/W REV. NUMBER 3 AUGUST 14, 2013
R/W REV. NUMBER 4 AUGUST 29, 2013
R/W REV. NUMBER 5 NOVEMBER 13, 2013
R/W REV. NUMBER 6 MAY 22, 2014
R/W REV. NUMBER 7 AUGUST 5, 2014
R/W REV. NUMBER 9 APRIL 24, 2015
R/W REV. NUMBER 10 MAY 17, 2016

RIGHT OF WAY PLANS

RIGHT OF WAY ON THIS PROJECT WAS PURCHASED BY KYTC IN THE NAME OF CITY OF UNION.

RIGHT OF WAY ON THIS PROJECT WAS PURCHASED BY KYTC IN THE NAME OF FISCAL COURT OF BOONE COUNTY.

RIGHT OF WAY SUMMARY

PARCEL NO.	OWNER(S)	TOTAL AREA OF TRACT		PERMANENT R/W ACQUIRED		EASEMENTS		AREA SEVERED				EXCESS PURCHASED		PORTION REMAINING		SEWER SYSTEM TYPE	SEWER SYSTEM AFFECTED BY PROJECT		BUILDINGS ACQUIRED NUMBER				SOURCE OF TITLE	REMARKS (HAZARDOUS WASTE)
						PERMANENT	TEMPORARY	LEFT		RIGHT														
		ACRES	SQ. FT.	ACRES	SQ. FT.	SQ. FT.	SQ. FT.	ACRES	SQ. FT.	ACRES	SQ. FT.	ACRES	SQ. FT.	ACRES	SQ. FT.		YES	NO	C	R	F	S		
1-7	Not Used																							
8	Not Used																							
9	Not Used																							
10	Not Used																							
11	Mark Ratcliff & Gail Ratcliff (wf)	3.18					2481							3.18		1		X					DB 818, PG 325	
12	Union Acres LLC	65.50				1152	9663							65.50		5							DB 983, PG 257	
13	Jefferson S. & Stephanie K. Powell (wf)	0.69	30056			2885	4909							0.69	30056	1		X					DB 1008, PG 932	
14	Robert E. Reeves & Carol Reeves (wf)	39.33			5278	5971	16795							39.21		1		X					DB 316, PG 112	
15	Herbert J. Walke III & Kristi J. Walke (wf)	3.16			2207	629	25434							3.11		1		X					DB 947, PG 841	
16	Not Used																							
17	Not Used																							
18	Thomas G. Boone & Margaret A. Boone (wf)		20752		2255		18497								18497	1				X			DB 389, PG 147	
19	David P. Brun & Mary Denise Brun (wf)		32268		10275		10327						21993			1				X			DB 332, PG 248	
20	Terry N. Tanner & Donna Sue Tanner (wf)	12.69			48894	762	76591		37714	10.70	466168		37714	10.70		1	X			X			276/097, 283/134, 316/148	
21	The City of Union, Kentucky	1.15				210	2557							1.15		3		X					DB 952, PG 791	
22	James R.Harper, Sr. & Joyce Harper (wf)	0.33	14179		14179									0.00	0	3				X			DB 748, PG 243	
23	Thomas J. Volpenhein (married)		24379		11836		7133						12543			3				X			DB 654, PG 081	
24	Stuart R. Ferguson	0.2584	11256				1707							0.26	11256	3		X					DB 836, PG 650	
25	Albert R. Barlow & Linda L. Barlow (wf)	11.21			8342	2434	24181							11.02		3		X					DB 186, PG 123	
26	Kristine A. Chestnut, Trustee	0.32	13939			124	1228							0.32	13939	3		X					DB 986, PG 586	
27	LND, LLC	0.598	26049			847	5048							0.60	26049	3		X					DB 926, PG 149	
28	Cincinnati Bell Telephone Co. (An Ohio Corp.)	0.2755	12001		160	1077	3812							0.27	11841	3		X					DB 521, PG 096	
29	Union Baptist Church	5.87		1.758	76583	3199	39003							4.11		3	X						838/482, 759/090, 296/079, 277/297, 149/393, 762/212, 435/282, 959/929, 949/402	
30	Not Used																							
31	Collett Family, LLC	5.42		1.44	62869	2173	63839	2.31 LL		1.67				3.98		5							DB 946, PG 056	
32	Collett Family, LLC	38.28		5.120	223036	1108	217972	6.950		26.210				33.16		5							DB 946, PG 056	
33	The Muldoon Family Limited Partnership	7.01			818	111	11873							6.99		5							DB 909, PG 761 DB 815, PG 441	
34	The Muldoon Family Limited Partnership	0.30			448		6551							0.29		5							DB 815, PG 441	
35	Robert L. Newman & Donna J. Newman (wf)	4.15					2170							4.15		5							DB 214, PG 114	

NOTES: PERMANENT R/W ACQUIRED+ AREA SEVERED = TOTAL AREA OF TRACT.
LL = LANDLOCKED

TYPE SEWER SYSTEM
1. PRIVATE - INDIVIDUAL
2. PRIVATE - MULTI PARTY
3. PUBLIC
4. NONE
5. NOT APPLICABLE

BUILDINGS ACQUIRED CODE
C - COMMERICAL
R - RESIDENTIAL
F - FARM
S - STORAGE

HAZARDOUS WASTE
UST - UNDERGROUND STORAGE TANK

RIGHT OF WAY SUMMARY SHEET

FILE NAME: I:\2925.BOONE536\PHASE2\SHEETS\RW SUMMARY\2925RWSU01.DGN
USER: SPiccirillo
DATE PLOTTED: September 29, 2010
E-SHEET NAME:
MicroStation v8.5.0.64

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R79

R/W REV. NUMBER 1 JANUARY 25, 2013
R/W REV. NUMBER 2 APRIL 22, 2013
R/W REV. NUMBER 3 AUGUST 14, 2013
R/W REV. NUMBER 5 NOVEMBER 13, 2013
R/W REV. NIMBER 6 MAY 22, 2014
R/W REV. NUMBER 7 AUGUST 5, 2014
R/W REV. NUMBER 10 MAY 17,2016

RIGHT OF WAY PLANS

RIGHT OF WAY ON THIS PROJECT WAS PURCHASED BY KYTC IN THE NAME OF CITY OF UNION.

RIGHT OF WAY ON THIS PROJECT WAS PURCHASED BY KYTC IN THE NAME OF FISCAL COURT OF BOONE COUNTY.

RIGHT OF WAY SUMMARY

PARCEL NO.	OWNER(S)	TOTAL AREA OF TRACT		PERMANENT R/W ACQUIRED		EASEMENTS		AREA SEVERED				EXCESS PURCHASED		PORTION REMAINING		SEWER SYSTEM TYPE	SEWER SYSTEM AFFECTED BY PROJECT		BUILDINGS ACQUIRED NUMBER				SOURCE OF TITLE	REMARKS (HAZARDOUS WASTE)
						PERMANENT	TEMPORARY	LEFT		RIGHT															
		ACRES	SQ. FT.	ACRES	SQ. FT.	SQ. FT.	SQ. FT.	ACRES	SQ. FT.	ACRES	SQ. FT.	ACRES	SQ. FT.	ACRES	SQ. FT.		YES	NO	C	R	F	S		
36	Sreesai, LLC	0.2870					223							0.29		3		X					DB 978, PG 922	
37	James C. Hollingsworth & Tammy L. Hollingsworth	1.00					374							1.00		3		X					DB 726, PG 141	
38	Bank of New York Mellon	2.057			44908		12250						44695	0.00		1	X			X			DB 1020 , PG 277	
39	Brian William Landrum & Mary E. Landrum (wf)	1.00					230							1.00		3		X					DB 965, PG 996	
40	Lewis O'Neal Fowler & Alma Jo Fowler (wf) and Keith Fowler	1.00					1730							1.00		3		X					DB 993, PG 791	
41	Robert J. Albers (single)	0.59	25594		10494								15100	0.00		1				X			BD 853, PG 901	
42	Russell Hamilton & Donna Hamilton (wf)	0.95	41382		55		5489							0.95	41327	3		X					DB 812, PG 347	
43	Donald L. Zachary and Karen L. Phillips (both single)	0.95	41382		657		4319							0.93	40725	3	X						DB 675, PG 240	
44	Anna Mae Horn	0.95	41382		776	2263	6885							0.93	40606	3	X						DB 905, PG 404	
45	L.A. Properties Inc.	3.0535			14318		29636							2.72		3	X					X	DB 899, PG 688	
46	Harold E. Parr, Jr.& Cynthia L. Parr (wf)	0.23	10019		5801		4634							0.10	4218	3				X			DB 674, PG 215	
47	Robert L. Ford & Connie S. Ford (wf)	0.20	8712				551							0.20	8712	3		X					DB 592, PG 055	
48	City of Union, Kentucky A Kentucky Municipal Corporation	0.46	20000			2087								0.46		3		X					DB 448, PG 134	
49	Bernard Schrage & Carolyn Schrage (wf)	0.77					4890									3		X					DB 628, PG 285	
50	Scott E. Skol (unmarried)	0.89	38768		11858	631	5973							0.62	26910	1	X						DB 952, PG 481	
51	Steven E. Rials & Tracey E. Rials (wf)	1.07			13484	3251	5857							0.76	33125	3	X						DB 503, PG 009	
52	Kathy A. Nantz (single)	0.98	42563		1188	4505	33939						41375			3				X		X	DB 516, PG 019	
53	Glen Frasure & Karen Frasure (wf)	0.66	28750		775	5400	8394							0.64	27975	3	X						DB 454, PG 203	
54	Alex Zapata & Brenda Zapata (wf)	0.2513	10947			1228	201							0.25	10947	3		X					DB 909, PG 088	
55	Kimberly Batte (single)	0.45	19602			380								0.45	19602	3		X					DB 999, PG 162	
56	The Drees Company	0.5371	23396				1754							0.5371	23396	3		X					DB 872, PG 826 & DB 914 PG 013	
57	James D. Rice & Gertrude Rice (wf)	0.32	14070				4385							0.32	14070	3		X					DB 140, PG 187 & DB 140 PG 189	
58	Tommy D. Rice (unmarried)	0.34	14985				4117							0.34	14985	3		X					DB 778, PG 225	
59	Dennis H. Ping & Elizabeth Ann Ping (wf)	0.38	16466				6215							0.38	16466	3		X					DB230 PG 104,DB 533 PG 303	
60	Wanda L. Konkright (unmarried)	0.48	20996				5519							0.48	20996	3		X					DB 855, PG 801	
61	Brandon C. Bowlds (unmarried)	0.34	14898				3857							0.34	14898	3		X					DB 764, PG 154	
62	Douglas Perry & Linda Perry (wf)	0.16	6970				1415							0.16	6970	3		X					DB 350, PG 188	
63	Michielene Ferguson (unmarried)	0.42	18088				18088							0.42	18088	3		X					DB 736, PG 295	
64	Paul O. Paoletti (unmarried)	0.17	7405				850							0.17	7405	3		X					DB 970, PG 183	
65	Ralph M. Adams (single)		11534		5500	594	5440						6034	0.00		3				X			DB 869, PG 123	

NOTE: PERMANENT R/W ACQUIRED+ AREA SEVERED = TOTAL AREA OF TRACT.

TYPE SEWER SYSTEM
1. PRIVATE - INDIVIDUAL
2. PRIVATE - MULTI PARTY
3. PUBLIC
4. NONE
5. NOT APPLICABLE

BUILDINGS ACQUIRED CODE
C - COMMERICAL
R - RESIDENTIAL
F - FARM
S - STORAGE

HAZARDOUS WASTE
UST - UNDERGROUND STORAGE TANK

RIGHT OF WAY SUMMARY SHEET

FILE NAME: I:\2925.BOONE536\PHASE2\SHEETS\RW SUMMARY\2925RWSU02.DGN
USER: SPiccirillo
DATE PLOTTED: September 29, 2010
E-SHEET NAME:
MicroStation v8.5.0.64

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R80

R/W REV. NUMBER 1 JANUARY 25, 2013
R/W REV. NUMBER 2 APRIL 22, 2013
R/W REV. NUMBER 3 AUGUST 14, 2013
R/W REV. NUMBER 5 NOVEMBER 13, 2013
R/W REV. NUMBER 7 AUGUST 5, 2014

RIGHT OF WAY ON THIS PROJECT WAS PURCHASED BY KYTC IN THE NAME OF CITY OF UNION.

RIGHT OF WAY ON THIS PROJECT WAS PURCHASED BY KYTC IN THE NAME OF FISCAL COURT OF BOONE COUNTY.

RIGHT OF WAY PLANS

RIGHT OF WAY SUMMARY

PARCEL NO.	OWNER(S)	TOTAL AREA OF TRACT		PERMANENT R/W ACQUIRED		EASEMENTS		AREA SEVERED				EXCESS PURCHASED		PORTION REMAINING		SEWER SYSTEM TYPE	SEWER SYSTEM AFFECTED BY PROJECT		BUILDINGS ACQUIRED NUMBER				SOURCE OF TITLE	REMARKS (HAZARDOUS WASTE)
						PERMANENT	TEMPORARY	LEFT		RIGHT															
		ACRES	SQ. FT.	ACRES	SQ. FT.	SQ. FT.	SQ. FT.	ACRES	SQ. FT.	ACRES	SQ. FT.	ACRES	SQ. FT.	ACRES	SQ. FT.		YES	NO	C	R	F	S		
66	Darlene Jean Dunhoft & Mark Edwards Dunhoft (husb)	0.26	11203		5384	1013	4806						5819	0.00		3				X			DB 781, PG 064	
67	Roger V. Holt (single)	0.36	15682				701							0.36	15682	3		X					DB 447, PG 029	
68	Joseph Gerard Kunkel, Jr. (unmarried)	0.25	10890				787							0.25	10890	3		X					DB 990,PG 835	
69	Larry Harper & Shirley Harper (wf)	0.58	25265		8368	102	6728							0.39	16897	1	X						DB 215, PG 158	
70	City of Union, Kentucky	1.93			12197	378	10573							1.65		5							DB 472, PG 121	
71	Steven D. Nugent & Jaclyn L. Nugent (wf)	1.63			15294	1825	25963							1.28		1		X					DB 975, PG 970	
72	Steve Gadd & Tina Gadd (wf)	1.28			4585		11051							1.17		1				X			DB 911, PG 665	
73	Gregory L. Burklo & Barbara J. Burklo	1.16			6435	4456	22306							1.01	44095	3				X		X	DB 502, PG 053	
74	George L. Allen & Sun Allen	0.48	20909		849		6514							0.46	20060	1		X					DB 951, PG 671	
75	Jacob R. Parker (unmarried)	0.24	10454		498		291							0.23	9956	3		X					DB 947, PG 756	
76	Kenneth F. Shell & Sally F. Shell (wf)	1.055			12566		33374							0.766	33374	1				X			DB 486, PG 181	
77	Kenneth W. Bradley & Darlene V. Bradley (wf)	1.422			12036		7171							1.15	49906	3	X						DB 875, PG 466	
78	Richard L. Dickerson & Elizabeth A. Dickerson (wf)	1.00			7482		8240							0.83	36078	1	X						DB 986, PG 107	
79	Victor W. Osborne & Ruth A. Osborne (wf)	1.367			2939		7737							1.30		1	X						DB 956, PG 552	
80	Elizabeth Bowling (single)	12.25			1144		9519							12.22		1	X						DB 334 PG 268	
81	Not Used																							
82	Bertha R. Shepherd	2.49			1651		7075							2.45		5							DB 202, PG 662	
83	Alfred L. Gambill & Mary E. Gambill (brother & sister)		20556		1572		5336						18984			1				X			DB 240, PG 033	
84	Alfred L. Gambill & Bonilee F. Gambill (h&w)	5.45			3585		8562							5.37		1		X					DB 178, PG 415	
85	Alison Thiessen & Kenneth Thiessen (w&h)	5.12			7600		11069							4.95		1				X		X	DB 770, PG 292	
86	Jocelyn Haltermon & Richard Haltermon (w&h)	5.1272			9479		9648							4.91		1		X					DB 770, PG 288 & DB 346 PG 121	
87	Dennis J. Mathis & Brenda J. Mathis (wf)	14.97			2936		5016							14.90		1		X					DB 402, PG 069	
88	Not Used																							
89	Cecil Peters & Shirley Peters (wf)	0.92	40075				4186							0.92	40075	1		X					DB 861, PG 885	
90	Garnette Louise Magee	2.55					4276							2.55		1		X					DB 166, PG 489	
91	Jason A. Franks (unmarried)	0.56	24394		437		7217							0.55	23957	3		X					DB 865, PG 098	
92	George L. Allen & Sun Allen (h&w)	1.04					984							1.04		3		X					DB 880, PG 968	
93	Richard M. Hanser & Tracy Hanser(wf)	1.646					509							1.65		3		X					DB 680, PG 015	
94	Keith A. Sciarra (unmarried)	0.28	12197				1763							0.28	12197	3		X					DB 989, PG 769	
95	Christopher P. Mayleben & Sarah C. Mayleben (wf)	0.31	13504				3465							0.31	13504	3		X					DB 987, PG 866	

NOTE: PERMANENT R/W ACQUIRED + AREA SEVERED = TOTAL AREA OF TRACT.

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4. NONE
5. NOT APPLICABLE

BUILDINGS ACQUIRED CODE
C - COMMERICAL
R - RESIDENTIAL
F - FARM
S - STORAGE

HAZARDOUS WASTE
UST - UNDERGROUND STORAGE TANK

RIGHT OF WAY SUMMARY SHEET

FILE NAME: I:\2925.BOONE536\PHASE2\SHEETS\RW SUMMARY\2925RWSU03.DGN
USER: SPiccirillo
DATE PLOTTED: September 29, 2010
E-SHEET NAME:
MicroStation v8.5.0.64

RIGHT OF WAY PLANS

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R81

R/W REV. NUMBER 1 JANUARY 25, 2013
R/W REV. NUMBER 2 APRIL 22, 2013
R/W REV. NUMBER 6 MAY 22, 2014
R/W REV. NUMBER 7 AUGUST 5, 2014
R/W REV. NUMBER 8 JANUARY 26, 2015

RIGHT OF WAY ON THIS PROJECT WAS PURCHASED BY KYTC IN THE NAME OF CITY OF UNION.

RIGHT OF WAY ON THIS PROJECT WAS PURCHASED BY KYTC IN THE NAME OF FISCAL COURT OF BOONE COUNTY.

RIGHT OF WAY SUMMARY

PARCEL NO.	OWNER(S)	TOTAL AREA OF TRACT		PERMANENT R/W ACQUIRED		EASEMENTS		AREA SEVERED				EXCESS PURCHASED		PORTION REMAINING		SEWER SYSTEM TYPE	SEWER SYSTEM AFFECTED BY PROJECT		BUILDINGS ACQUIRED NUMBER				SOURCE OF TITLE	REMARKS (HAZARDOUS WASTE)
						PERMANENT	TEMPORARY	LEFT		RIGHT														
		ACRES	SQ. FT.	ACRES	SQ. FT.	SQ. FT.	SQ. FT.	ACRES	SQ. FT.	ACRES	SQ. FT.	ACRES	SQ. FT.	ACRES	SQ. FT.		YES	NO	C	R	F	S		
96	Thomas W. Bechtol & Tina M. Bechtol (wf)	0.38	16553				3333							0.38	16553	3		X					DB 949, PG 717	
97	Dilipkumar J. Patel & Ranjanden D. Patel (wf)	0.56	24179		446		2614							0.54	23733	3		X					DB 1015, PG 845	
98	Jeffrey T. Wandell & Tami L. Wandell (wf)	2.168			342	9214	23335							2.160		3		X					DB 905, PG 486	
99	Nathan W. Forman & Kimberly A. Forman	0.65	28501			124	1748							0.65	28501	3		X					DB 905, PG 701	
100	Mark R. Healy & Leisa A. Healy (wf)	0.55	24006				5446							0.55	24006	3		X					DB 922, PG 880	
101	Robert T. Kenkel & Valerie A. Kenkel (wf)	0.42	18151				5242							0.42	18151	3		X					DB 913, PG 394	
102	Matthew A. Kramer & Melissa M. Kramer (wf)	0.42	18278				4291							0.42	18278	3		X					DB 922, PG 727	
103	Dan B. Lindeman II (unmarried)	0.35	15337				4393							0.35	15337	3		X					DB 928, PG 938	
104	Michael W. Pauciulo & Emilie S. Pauciulo (wf)	0.28	12319				4200							0.28	12319	3		X					DB 976, PG 597	
105	Brett M. Bachmen & Sheri M. Bachmen (wf)	0.34	14614				5842							0.34	14614	3		X					DB 975, PG 495	
106	Not Used																							
107	Lyle Mark Daugherty & Casey Lynn Daugherty (wf)	0.56	24446		267		6976							0.56	24179	3		X					DB 976 ,PG 424	
108	Frances M. Piper (married)	11.53				170	2180							11.53		3		X					DB 928, PG 399	See Parcel 199
109	Wayne Partin (married)	1.8340				1476	16593							1.8340		3		X					DB 676, PG 170	
110	Hempsteade Community Facilities Association, Inc.	7.57			23076	1887	39114							7.04		3		X					DB 451, PG 021	
111	Erpenbeck Investment Properties, LLC	0.49	21344				951							0.49	21344	5							DB 914, PG 620	
112	Erpenbeck Investment Properties, LLC	2.85				1544	11763							2.85		5							DB 914, PG 620	
113	The Drees Company	7.615		7.615										0.000		5							DB 874, PG 056	See Parcel 97
114	Lawrence A. Erpenbeck & Barbara Sue Erpenbeck (wf)	7.582			2292		14471							7.529		5							DB 924, PG 338	
115	Lawrence Erpenbeck & Barbara Erpenbeck (wf)	1.15			942		628							1.13		3		X					DB 264, PG 009	
116	Dennis Augur & Vivien Augur (wf)	1.00	43560		3880		9577							0.91	39680	1		X					DB 615, PG 125	
117	Catherine E.Erpenbeck & W.Thomas Erpenbeck Trustees	1.00	43560		2195	362	5616							0.95	41365	1		X					DB 604, PG 137	
118	Daniel E. Michels (married)	0.3456	15054		1362		3334							0.3143	13692	3		X					DB 881, PG 723	
202	Daniel E. Michels (married)		13692			1828									13692								DB 881, PG 723	
119	Adnan Shehadeh & Ibrahim Shehadeh	0.4393	19136		208		825							0.4345	18928	3		X					DB 958, PG 393	
203	Adnan Shehadeh & Ibrahim Shehadeh		18928			302									18928								DB 958, PG 393	
120	Mark D. Butler & Deborah S. Butler	0.6443	28066		205		825							0.6396	27861	3		X					DB 977, PG 222	
204	Mark D. Butler & Deborah S. Butler		27861			120									27861								DB 977, PG 222	
121	Daniel Schwarberg (unmarried)	0.3123	13604		1032		2317							0.2886	12572	3		X					DB 970, PG 508	
122	Paul A. Lampkin & Kimberly A. Lampkin (wf)	0.4506	19628		1410		4804							0.4182	18218	3		X					DB 920, PG 866	

NOTE: PERMANENT R/W ACQUIRED + AREA SEVERED = TOTAL AREA OF TRACT.

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4. NONE
5. NOT APPLICABLE

BUILDINGS ACQUIRED CODE
C - COMMERICAL
R - RESIDENTIAL
F - FARM
S - STORAGE

HAZARDOUS WASTE
UST - UNDERGROUND STORAGE TANK

RIGHT OF WAY SUMMARY SHEET

FILE NAME: I:\2925.BOONE536\PHASE2\SHEETS\RW SUMMARY\2925RWSU04.DGN
USER: SPiccirillo
DATE PLOTTED: September 29, 2010
E-SHEET NAME:
MicroStation v8.5.0.64

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R82

R/W REV. NUMBER 1 JANUARY 25, 2013
R/W REV. NUMBER 2 APRIL 22, 2013
R/W REV. NUMBER 3 AUGUST 14, 2013
R/W REV. NUMBER 5 NOVEMBER 13, 2013
R/W REV. 7 AUGUST 5, 2014

RIGHT OF WAY ON THIS PROJECT WAS PURCHASED BY KYTC IN THE NAME OF CITY OF UNION.

RIGHT OF WAY ON THIS PROJECT WAS PURCHASED BY KYTC IN THE NAME OF FISCAL COURT OF BOONE COUNTY.

RIGHT OF WAY PLANS

RIGHT OF WAY SUMMARY

PARCEL NO.	OWNER(S)	TOTAL AREA OF TRACT		PERMANENT R/W ACQUIRED		EASEMENTS		AREA SEVERED				EXCESS PURCHASED		PORTION REMAINING		SEWER SYSTEM TYPE	SEWER SYSTEM AFFECTED BY PROJECT		BUILDINGS ACQUIRED NUMBER				SOURCE OF TITLE	REMARKS (HAZARDOUS WASTE)
						PERMANENT	TEMPORARY	LEFT		RIGHT														
		ACRES	SQ. FT.	ACRES	SQ. FT.	SQ. FT.	SQ. FT.	ACRES	SQ. FT.	ACRES	SQ. FT.	ACRES	SQ. FT.	ACRES	SQ. FT.		YES	NO	C	R	F	S		
123	Terry M. Drake & Junko Drake (wf)	0.3424	14915				698							0.3424	14915	3		X					DB 894, PG 336	
124	Not Used																							
125	David R. Cruce (single)	0.7852	34203				5672							0.7852	34203	3		X					DB 880, PG 852	
126	Kathleen A. Tanner (married)	0.6647	28954			2783	2815							0.6647	28954	3		X					DB 877, PG 159	
127	Donald Morris & Elaine Morris (wf)	0.99	43124				9396							0.99	43124	1		X					DB 715, PG 305	
128	Ralph Rollins & Debbie Rollins (wf)	2.12					12412							2.12		3		X					DB 301, PG 104	
129	Thomas A. Bell & Debra Lou Bell (wf)	0.72	31363				9674							0.72	31363	3		X					DB 791, PG 010	
130	Thomas Craddock	2.38				1411	9306							2.38		3		X					PG 271, PG 070	
131	County of Boone, Kentucky	1.0428				2545	697							1.0428		5							PG 943, PG 415	
132	John T. Hyland & Mary C. Hyland (wf)	1.00	43560		4571		2971							0.90	38989	3		X					DB 900, PG 480	
133	Anthony J. Franz (unmarried)	0.21	9148			309	1612							0.21	9148	3		X					DB 979, PG 809	
134	Not Used																							
135	Not Used																							
136	Dann C. Fox & Elizabeth A. Fox (wf)	1.72					4451							1.72		3		X					DB 842, PG 507	
137	Raymond D. Hensley & Bettye L. Hensley (wf)	1.74				6186	3888							1.74		3		X					DB 847, PG 328	
138	Not Used																							
139	Robert J. Durham & L. Jill Durham (wf)	0.69	30056		1505		1486							0.66	28551	3		X					DB 419, PG 277	
140	Shelby J. Riggs & Sandra Riggs (wf)	3.89			4383	1453	23344							3.79		1		X					DB 310, PG 208	
141	Kenton Co. Fiscal Court,D.B.A. N. KY. Drug Strike Force	1.29			4871	4611	13298							1.18		1	X						DB 1005, PG 218	
142	Joseph L. Collett & Ellen Collett (wf)	1.41			5658		6845							1.28		3		X					DB 416, PG 197	
143	Timothy P. Mahaney (married)	0.79	34412			52	2979							0.79	34412	3		X					DB 960, PG 069	
144	Eric J. Messmer, Trustee	1.79			330	3408	4866							1.78		3		X					DB 982, PG 315	
145	Joyce R. Jaquay (unmarried)	3.55			2697	3941	3147							3.49		3		X					DB 696, PG 103	
146	Bill L. Fannin & Georgetta Moorefield (both single)	0.65	28314		5663	2140	8010							0.52	22651	3		X					DB 235, PG 259	
147	Not Used																							
148	Karen L. Fisk (single)	0.74	32234		4670	1919	2890							0.63	27564	1		X					DB 293, PG 008	
149	Not Used																							
150	Jonathan D. Wenndt	0.46	20038		260	1422	2704							0.45	19778	3		X					DB 896, PG 053	
151	Olivia Salcido & Estreberto Salcido (w&h)	0.36	15682		1079	1132	5677							0.34	14603	3		X					DB 878, PG 417	
152	Sanitation District No. 1	0.41	17748		1214	1139	9609							0.38	16534	5							DB 1029, PG 771	

NOTE: PERMANENT R/W ACQUIRED+ AREA SEVERED = TOTAL AREA OF TRACT.

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C - COMMERICAL
R - RESIDENTIAL
F - FARM
S - STORAGE

HAZARDOUS WASTE
UST - UNDERGROUND STORAGE TANK

RIGHT OF WAY SUMMARY SHEET

FILE NAME: I:\2925.BOONE536\PHASE2\SHEETS\RW SUMMARY\2925RWSU05.DGN
USER: SPiccirillo
DATE PLOTTED: September 29, 2010
E-SHEET NAME:
MicroStation v8.5.0.64

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R83

R/W REV. NUMBER 1 JANUARY 25, 2013
R/W REV. NUMBER 2 APRIL 22, 2013
R/W REV. NUMBER 3 AUGUST 14, 2013
R/W REV. NUMBER 5 NOVEMBER 13, 2013
R/W REV. NUMBER 7 AUGUST 5, 2014

RIGHT OF WAY ON THIS PROJECT WAS PURCHASED BY KYTC IN THE NAME OF CITY OF UNION.

RIGHT OF WAY ON THIS PROJECT WAS PURCHASED BY KYTC IN THE NAME OF FISCAL COURT OF BOONE COUNTY.

RIGHT OF WAY PLANS

RIGHT OF WAY SUMMARY

PARCEL NO.	OWNER(S)	TOTAL AREA OF TRACT		PERMANENT R/W ACQUIRED		EASEMENTS		AREA SEVERED				EXCESS PURCHASED		PORTION REMAINING		SEWER SYSTEM TYPE	SEWER SYSTEM AFFECTED BY PROJECT		BUILDINGS ACQUIRED NUMBER				SOURCE OF TITLE	REMARKS (HAZARDOUS WASTE)
						PERMANENT	TEMPORARY	LEFT		RIGHT															
		ACRES	SQ. FT.	ACRES	SQ. FT.	SQ. FT.	SQ. FT.	ACRES	SQ. FT.	ACRES	SQ. FT.	ACRES	SQ. FT.	ACRES	SQ. FT.		YES	NO	C	R	F	S		
153	Joseph P. Barvincak & Barbara A.Barvincak (wf)	1.53	66647			4179	6339							1.53		1	X						DB 701, PG 215	
154	Robert E. Brown & Margaret E. Brown (wf)	5.46				3068	5339							5.46		1	X						DB 201, PG 664	
155	Westmark Properties, LLC	0.503	21911			1560	3033							0.503	21911	1	X						DB 939, PG 973	
156	Brian V. Pappas & Karen I. Pappas (wf)	0.50	21815			1831	4150							0.50	21815	3		X					DB 1026, PG 025	
157	Frank P. Lyons & Genene J. Lyons	8.90				1364	2678							8.90		5		X					DB 310, PG 334	
158	Carolyn K. Wilham & Walter L. Wilham (husb)	1.88				6573	7567							1.88		1	X						DB 854, PG 050	
159	Lloyd O. Laughlin & Beverly J. Laughlin (wf)	0.58	25265			2014	2860							0.58	25265	1	X						DB 387, PG 021	
160	Lowell D. Wood & Ruth Wood (wf)	0.69	30056			1987	1385							0.69	30056	1		X					DB 210, PG 115	
161	Robert B. Bowling & Janet E. Bowling (wf)	0.87	37897		4315	2410	5603							0.77	33582	1	X						DB 191, PG 479	
162	Samuel C. Dinn & Jo Ann M. Dinn (wf)	0.92	40075		4533	5957	4143							0.82	35542	1	X						DB 192, PG 110	
163	Robert J. Miller	0.92	40075		4499	3939	3875							0.82	35576	1	X						DB 744, PG 241	
164	Gerald Gibson & Beverly Gibson (wf)	0.92	40075		4469	3467	4461							0.82	35606	1	X						DB 185, PG 635	
165	Angela G. Shepherd & Donnie R. Shepherd (w&h)	0.92	40075		4441	3965	5559							0.82	35634	1	X						DB 1006, PG 053	
166	Ronald W. Raisor & Mary Raisor, Trustees	0.92	40075		4414	2942	4546							0.82	35661	1	X						DB 947, PG 623	
167	Fred Puckett III	0.92	40075		4386	2001	6082							0.82	35689	1	X						DB 977, PG 219	
168	Jan M. Hastings	0.92	40075		4359	2001	7299							0.82	35716	1	X						DB 574, PG 120	
169	Sedgley J. Brockett, an unremarried widow	1.15			5387	4611	7961							1.03		1	X						DB 963, PG 648	
170	Radell Hunt (married)	1.08			7106	7029	6816							0.92	39939	1	X						DB 885, PG 013	
171	Ronald E. Arendell	4.10			2615	3091	5100							4.04		1		X					DB 824, PG 518	
172	Bonita Maddox Family Living Trust	1.16			4405	7523	5028							1.06		1	X						DB 1006, PG 243	
173	Stephen Ray Burrus & Judith Kay Burrus (wf)	2.22			4722	3085	7936							2.11		1	X						DB 534, PG 034	
174	Mary Ann Twombly-Neal & Jerry Allen Neal (w&h)	4.07			9465	9093	14398							3.85		1	X						DB 766, PG 088	
175	Wilgus Raleigh & Arminda Raleigh (wf)	1.95			4624	2535	10904							1.84		1		X					DB 887, PG 072	
176	Bank of America	1.96			5278	2591	6591							1.84		1	X						DB 199, PG 293	
177	Lewis Lawson & Laverne Lawson (wf)	1.79			4891	5620	1230							1.68		1	X						DB 214, PG 488	
178	Stephen K. Lair (married)	1.58			3658	2004	8851							1.50		1		X					DB 946, PG 183	
179	Donald C. Neal & Betty Neal (wf)	1.57			14737	1955	12704							1.23		1		X					DB 202, PG 111	
180	James Smith & Janice Smith (wf)	0.99	43201		8185		35016						35016		0	1		X					DB 308, PG 243	
181	James A. McLafferty & Anita R. McLafferty (wf)	0.63	27443		1353	2085	571							0.60	26090	1	X						DB 730, PG 016	
182	Carole R. Dunn	0.958	41730		2029	1919	3945							0.911	39701	1	X						DB 376, PG 079	

NOTE: PERMANENT R/W ACQUIRED+ AREA SEVERED = TOTAL AREA OF TRACT.

TYPE SEWER SYSTEM
1. PRIVATE - INDIVIDUAL
2. PRIVATE - MULTI PARTY
3. PUBLIC
4. NONE
5. NOT APPLICABLE

BUILDINGS ACQUIRED CODE
C - COMMERICAL
R - RESIDENTIAL
F - FARM
S - STORAGE

HAZARDOUS WASTE
UST - UNDERGROUND STORAGE TANK

RIGHT OF WAY SUMMARY SHEET

FILE NAME: I:\2925.BOONE536\PHASE2\SHEETS\RW SUMMARY\2925RWSU06.DGN
USER: SPiccirillo
DATE PLOTTED: September 29, 2010
E-SHEET NAME:
MicroStation v8.5.0.64

RIGHT OF WAY PLANS

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R84

R/W REV. NUMBER 11 MAY 30, 2018

RIGHT OF WAY SUMMARY

RIGHT OF WAY ON THIS PROJECT WAS PURCHASED BY KYTC IN THE NAME OF CITY OF UNION.

RIGHT OF WAY ON THIS PROJECT WAS PURCHASED BY KYTC IN THE NAME OF FISCAL COURT OF BOONE COUNTY.

PARCEL NO.	OWNER(S)	TOTAL AREA OF TRACT		PERMANENT R/W ACQUIRED		EASEMENTS		AREA SEVERED				EXCESS PURCHASED		PORTION REMAINING		SEWER SYSTEM TYPE	SEWER SYSTEM AFFECTED BY PROJECT		BUILDINGS ACQUIRED NUMBER				SOURCE OF TITLE	REMARKS (HAZARDOUS WASTE)
						PERMANENT	TEMPORARY	LEFT		RIGHT							YES	NO	C	R	F	S		
		ACRES	SQ. FT.	ACRES	SQ. FT.	SQ. FT.	SQ. FT.	ACRES	SQ. FT.	ACRES	SQ. FT.	ACRES	SQ. FT.	ACRES	SQ. FT.									
183	Charles E. Baker & Margaret A. Reusch (both unmarried)		21495		1494	133	5855								20001	1	X						DB 581, PG 272	
184	Ronald H. Stith & Patricia Stith (wf)		21110		1742		19368						19368		0	1	X						DB 217, PG 247	
185	Raymond James Huls & Carol Lee Huls (wf)		21726		3390		18336								18336	1	X						DB 209, PG 372	
186	Florence Baptist Church Inc.	66.6718		1.141	49693	927	85442							65.5310		3		X					DB 780, PG 129	
187	Amy Louise Teepen & Leonard J. Teepen (Husb)	0.5417	23596			357	664							0.5417	23596	3		X					DB 443, PG 307	
188	Chris W. Stein & Lori Stein (wf)		24717		971								23746	0.00	0	5							DB 264, PG 136	
189	KYTC	0.761	33149		8881									0.557	24268	5							Highway DB 16 ,PG 1	
190	Thomas Litzler & Pat Litzler (wf)	1.381			22613		909							0.862	37543	5							DB 430, PG 246	
191	Steven E. Starke & Sandra G. Starke (wf)	1.610			3349	589	7303							1.533		3		X					DB 287, PG 152	
192	Not Used																							
193	Not Used																							
194	Joseph M. & Mona M. Parker (wf)	1.865					874							1.865		3		X					DB 955 , PG 530	
195	Mercy Foundation, Inc	4.060				662	1887							4.060		3		X					DB 866 , PG 414	
196	Thomas H. Pyke & Connie L. Pyke (wf)	2.160				859	1918							2.160		3		X					DB 536 , PG 272	
197	Gerald Spence & Sally Spence (wf)	0.662					4226							0.662	28837	1		X					DB 738 , PG 229	
198	Joseph E. Marshall & Leslie L. Marshall	0.184	8011				2167							0.184	8011	3		X					DB 984, PG 144	See Parcel 108
199	Frances M. Piper (married)	1.290				1000	5824							1.290		5							DB 928 , PG 399	
200	Not Used																							
201	The Grammas-Brookfield Limited Partnership	6.828				1131								6.828		3		X					DB 874 , PG 281	
415	Herbert J. Walke III & Kristi J. Walke (wf)	3.11			2857		1410							3.04		1		X					DB 947, PG 841	

NOTE: PERMANENT R/W ACQUIRED+ AREA SEVERED = TOTAL AREA OF TRACT.

TYPE SEWER SYSTEM
1. PRIVATE - INDIVIDUAL
2. PRIVATE - MULTI PARTY
3. PUBLIC
4. NONE
5. NOT APPLICABLE

BUILDINGS ACQUIRED CODE
C - COMMERICAL
R - RESIDENTIAL
F - FARM
S - STORAGE

HAZARDOUS WASTE
UST - UNDERGROUND STORAGE TANK

RIGHT OF WAY SUMMARY SHEET

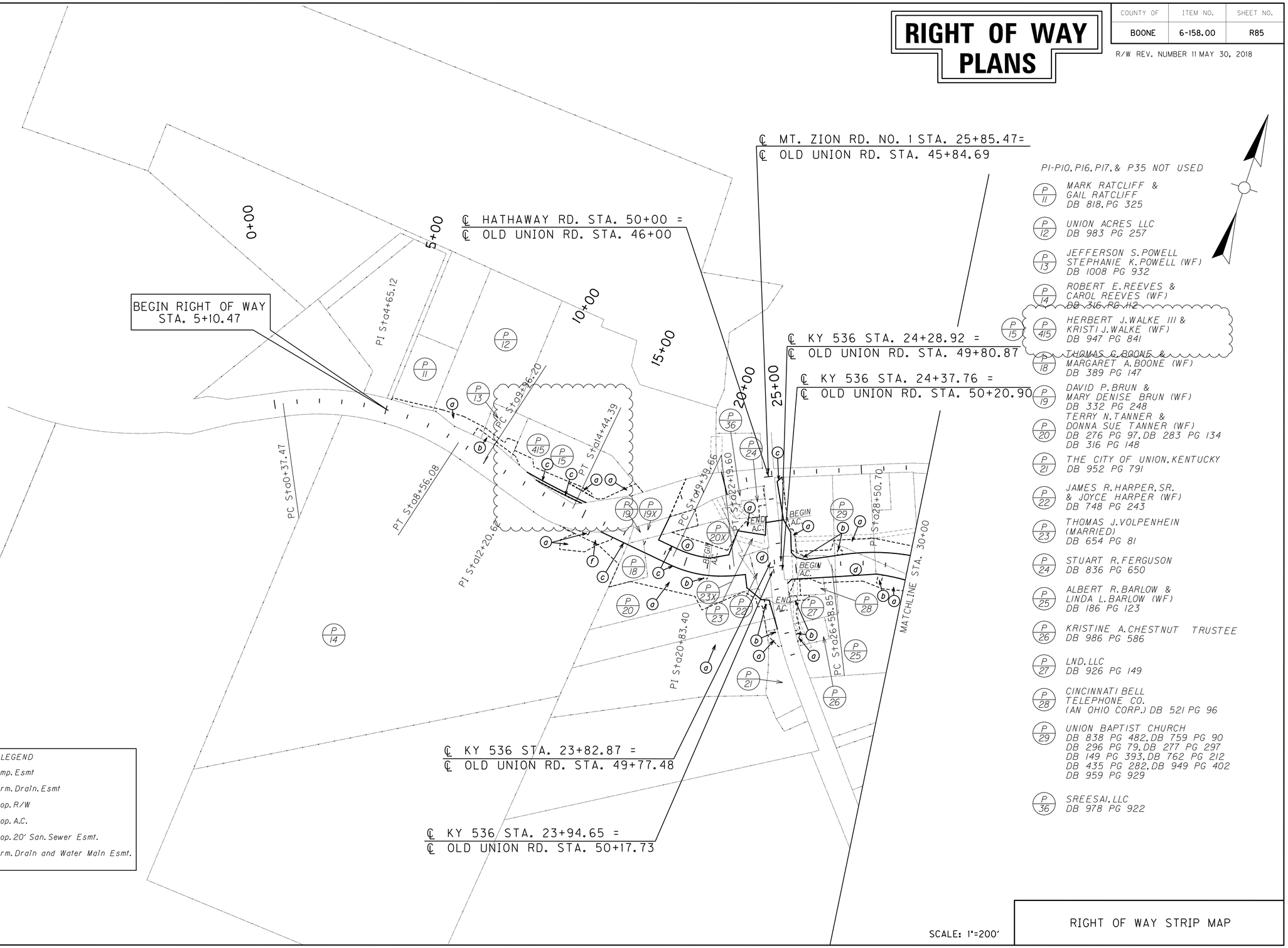
FILE NAME: I:\2925.BOONE536\PHASE2\SHEETS\RW SUMMARY\2925RWSUOT.DGN
USER: SPiccirillo
DATE PLOTTED: September 29, 2010
E-SHEET NAME: ROB400RW
MicroStation v8.5.0.64

RIGHT OF WAY PLANS

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R85

R/W REV. NUMBER 11 MAY 30, 2018

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____



LEGEND

- (a) Temp. Esmt
- (b) Perm. Drain. Esmt
- (c) Prop. R/W
- (d) Prop. A.C.
- (e) Prop. 20' San. Sewer Esmt.
- (f) Perm. Drain and Water Main Esmt.

PI-P10, P16, P17, & P35 NOT USED

- P 11 — MARK RATCLIFF & GAIL RATCLIFF DB 818, PG 325
- P 12 — UNION ACRES LLC DB 983 PG 257
- P 13 — JEFFERSON S. POWELL STEPHANIE K. POWELL (WF) DB 1008 PG 932
- P 14 — ROBERT E. REEVES & CAROL REEVES (WF) DB 316 PG 112
- P 15 / P 415 — HERBERT J. WALKE III & KRISTI J. WALKE (WF) DB 947 PG 841
- P 18 — THOMAS G. BOONE & MARGARET A. BOONE (WF) DB 389 PG 147
- P 19 — DAVID P. BRUN & MARY DENISE BRUN (WF) DB 332 PG 248
- P 20 — TERRY N. TANNER & DONNA SUE TANNER (WF) DB 276 PG 97, DB 283 PG 134 DB 316 PG 148
- P 21 — THE CITY OF UNION, KENTUCKY DB 952 PG 791
- P 22 — JAMES R. HARPER, SR. & JOYCE HARPER (WF) DB 748 PG 243
- P 23 — THOMAS J. VOLPENHEIN (MARRIED) DB 654 PG 81
- P 24 — STUART R. FERGUSON DB 836 PG 650
- P 25 — ALBERT R. BARLOW & LINDA L. BARLOW (WF) DB 186 PG 123
- P 26 — KRISTINE A. CHESTNUT TRUSTEE DB 986 PG 586
- P 27 — LND, LLC DB 926 PG 149
- P 28 — CINCINNATI BELL TELEPHONE CO. (AN OHIO CORP.) DB 521 PG 96
- P 29 — UNION BAPTIST CHURCH DB 838 PG 482, DB 759 PG 90 DB 296 PG 79, DB 277 PG 297 DB 149 PG 393, DB 762 PG 212 DB 435 PG 282, DB 949 PG 402 DB 959 PG 929
- P 36 — SREESAI, LLC DB 978 PG 922

SCALE: 1"=200'

RIGHT OF WAY STRIP MAP

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME: R08500RW

$TIME$ $DATE$ $FILE$

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R86

R/W REV. NUMBER 1 JANUARY 25, 2013
R/W REV. NUMBER 2 APRIL 22, 2013
R/W REV. NUMBER 3 AUGUST 14, 2013
R/W REV. NUMBER 5 NOVEMBER 13, 2013
R/W REV. NUMBER 6 MAY 22, 2014
R/W REV. NUMBER 7 AUGUST 5, 2014
R/W REV. NUMBER 10 MAY 17, 2016

PREPARED BY _____ DATE
CHECKED BY _____ DATE
APPROVED BY _____ DATE

P30, P35, P48, P56, P200 NOT USED

RIGHT OF WAY PLANS

℄ KY 536 STA. 47+62.25 =
℄ HARMONY STA. 50+30.02

℄ KY 536 STA. 47+52.19 =
℄ HARMONY STA. 49+70.00

℄ MT. ZION RD. NO. 1 STA. 47+69.32=
℄ HARMONY STA. 46+58.75

℄ KY 536 STA. 58+80 =
℄ SYC. DR. No.1 STA. 50+00

℄ KY 536 STA. 62+43.16 =
℄ INDIAN HILL STA. 50+00

℄ KY 536 STA. 46+59.95 =
℄ HARMONY STA. 49+70.00

℄ KY 536 STA. 46+70.00 =
℄ HARMONY STA. 50+30.02

℄ KY 536 STA. 57+00 =
℄ GOLDEN POND DR. STA. 50+00

℄ KY 536 STA. 52+20.00 =
℄ ENT. RD. STA. 50+00

℄ KY 536 STA. 36+28.21 =
℄ U.S. 42 STA. 401+33.28

℄ KY 536 STA. 68+50 =
℄ SYC. DR. No.2 STA. 50+00

WILLIAM LANE DIVISION
ANDERLAND
LANDLOCKED
MATCHLINE STA. 30+00
MATCHLINE STA. 70+00
BEGIN A.C.
END A.C.
PC Sta 39+01.58
PT Sta 42+95.95
PI Sta 40+94.17
PI Sta 57+45.51
PC Sta 69+54.95
PT Sta 63+14.62
PC Sta 50+12.36

CHARLES P. COLLETT &
ROBERT W. COLLETT
DB 946 PG 056

LEGEND
(a) Temp. Esmt
(b) Perm. Drain. Esmt
(c) Prop. R/W
(d) Prop. A.C.
(e) Prop. 20' San. Sewer Esmt.
(f) Perm. Drain and Water Main Esmt.

SCALE: 1"=200'

RIGHT OF WAY STRIP MAP

(P 25) ALBERT R. BARLOW &
LINDA L. BARLOW (WF)
DB 186 PG 123
UNION BAPTIST CHURCH
DB 838 PG 482, DB 759 PG 90, DB 296 PG 79,
DB 277 PG 297, DB 149 PG 393, DB 762 PG 212,
DB 435 PG 282, DB 949 PG 402, DB 959 PG 929

(P 29) COLLETT FAMILY, LLC
DB 946 PG 056

(P 31) COLLETT FAMILY, LLC
DB 946 PG 056

(P 32) THE MULDOON FAMILY
LIMITED PARTNERSHIP
DB 909 PG 761 DB 815 PG 441

(P 33) THE MULDOON FAMILY
LIMITED PARTNERSHIP
DB 815 PG 441

(P 34) ROBERT L. NEWMAN
DONNA J. NEWMAN
DB 214 PG 114

(P 35) JAMES C. HOLLINGSWORTH &
TAMMY L. HOLLINGSWORTH
DB 726 PG 141

(P 37) BANK OF NEW YORK MELLON
DB 1020 PG 277

(P 38) BRIAN WILLIAM LANDRUM &
MARY E. LANDRUM (WF)
DB 965 PG 996

(P 39) LEWIS O'NEAL FOWLER &
ALMA JO FOWLER (WF) &
KEITH FOWLER
DB 993 PG 791

(P 40) ROBERT J. ALBERS
(SINGLE)
DB 853 PG 901

(P 41) RUSSELL HAMILTON &
DONNA HAMILTON (WF)
DB 812 PG 347

(P 42) DONALD L. ZACHARY &
KAREN L. PHILLIPS
(BOTH SINGLE)
DB 675 PG 240

(P 43) ANNA MAE HORN
DB 905 PG 404

(P 44) L. A. PROPERTIES, INC.
DB 899 PG 688

(P 45) HAROLD E. PARR, JR. &
CYNTHIA L. PARR (WF)
DB 674 PG 215

(P 46) ROBERT L. FORD &
CONNIE S. FORD (WF)
DB 592 PG 55

(P 47) CITY OF UNION, KENTUCKY
A KENTUCKY MUNICIPAL CORPORATION
DB 448 PG 134

(P 48) BERNARD SCHRAGE &
CAROLYN SCHRAGE (WF)
DB 628 PG 285

(P 49) SCOTT E. SKOL
(UNMARRIED)
DB 952 PG 481

(P 50) STEVEN E. RIALS &
TRACEY E. RIALS (WF)
DB 503 PG 9

(P 51) KATHY A. NANTZ
(SINGLE)
DB 516 PG 19

(P 52) GLEN FRASURE &
KAREN FRASURE (WF)
DB 454 PG 203

(P 53) ALEX ZAPATA &
BRENDA ZAPATA (WF)
DB 909 PG 88

(P 54) KIMBERLY BATTE (SINGLE)
DB 999 PG 162

(P 55) THE DREES COMPANY
DB 872 PG 826
DB 914 PG 013

(P 56) JAMES D. RICE &
GERTRUDE RICE (WF)
DB 140 PG 187
DB 140 PG 189

(P 57) TOMMY D. RICE
(UNMARRIED)
DB 778 PG 225

(P 58) DENNIS H. PING &
ELIZABETH ANN PING
DB 230 PG 104
DB 533 PG 303

(P 59) WANDA L. KONKRIGHT
(UNMARRIED)
DB 855 PG 801

(P 60) BRANDON C. BOWLDS
(UNMARRIED)
DB 764 PG 154

(P 61) DOUGLAS PERRY &
LINDA PERRY (WF)
DB 350 PG 188

(P 62) MICHIELENE FERGUSON
(UNMARRIED)
DB 736 PG 295

(P 63) PAUL O. PAOLETTI
DB 970 PG 183

(P 64) RALPH M. ADAMS
(SINGLE)
DB 869 PG 123

(P 65) DARLENE JEAN DUNHOFT &
MARK EDWARDS DUNHOFT (HUSB)
DB 781 PG 64

(P 66) ROGER V. HOLT
(SINGLE)
DB 447 PG 29

(P 67) JOSEPH GERARD KUNKEL, JR.
(UNMARRIED)
DB 990 PG 835

(P 68) LARRY HARPER &
SHIRLEY HARPER (WF)
DB 215 PG 158

(P 69) CITY OF UNION, KENTUCKY
DB 472 PG 121

(P 70) STEVEN D. NUGENT &
JACLYN L. NUGENT (WF)
DB 975 PG 970

(P 71) STEVEN GADD &
TINA GADD (WF)
DB 911 PG 665

(P 72) GREGORY L. BURKLO &
BARBARA J. BURKLO
DB 502 PG 53

(P 73) JACOB R. PARKER
(UNMARRIED)
DB 947 PG 756

(P 75) DENNIS J. MATHIS &
BRENDA J. MATHIS (WF)
DB 402 PG 69

(P 87) JASON A. FRANKS
(UNMARRIED)
DB 865 PG 98

(P 91) THE GRAMMAS-BROOKFIELD
LIMITED PARTNERSHIP
DB 874 PG 281

(P 201)

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$TIME$ $DATE$ $FILE$

RIGHT OF WAY PLANS

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R87

R/W REV. NUMBER 1 JANUARY 25, 2013
R/W REV. NUMBER 2 APRIL 22, 2013
R/W REV. NUMBER 5 NOVEMBER 13, 2013
R/W REV. NUMBER 6 MAY 22, 2014
R/W REV. NUMBER 7 AUGUST 5, 2014
R/W REV. NUMBER 8 JANUARY 26, 2015

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

P81, P88, P106, & P124 NOT USED

℄ WETH. BLVD. STA.48+67.06 =
℄ MT. ZION RD. NO. 2 STA. 50+00

℄ KY 536 STA. 73+34.74 =
℄ RUSSWILL STA. 50+00

℄ KY 536 STA. 101+50 =
℄ HEMPSTEADE DR. STA. 50+00 =
℄ APPR. RD. 101+50

℄ KY 536. STA.87+72.49 =
℄ WETH. BLVD. STA. 50+00 =
℄ PEMB. DR. STA. 50+00

℄ KY 536 STA.110+00 =
℄ UNION BLUFFS DR. STA. 50+00

MATCHLINE STA. 70+00

MATCHLINE STA. 115+00

HAMPSHIRE

MT ZION HEIGHTS

UNION BLUFFS

P.T. Sta75+99.24

P.I. Sta72+83.85

P.C. Sta91+26.88

P.T. Sta99+37.62

P.I. Sta103+37.61

P.C. Sta100+46.83

P.I. Sta95+34.08

P.T. Sta106+27.36

P.C. Sta112+43.79

P.I. Sta114+32.64

P 73 GREGORY L. BURKLO & BARBARA J. BURKLO DB 502 PG 53

P 74 GEORGE L. ALLEN & SUN ALLEN DB 951 PG 671

P 76 KENNETH F. SHELL & SALLY F. SHELL (WF) DB 486 PG 181

P 77 KENNETH W. BRADLEY & DARLENE V. BRADLEY (WF) DB 875 PG 466

P 78 RICHARD L. DICKERSON & ELIZABETH A. DICKERSON (WF) DB 986 PG 107

P 79 VICTOR W. OSBORNE & RUTH A. OSBORNE (WF) DB 956 PG 552

P 80 ELIZABETH BOWLING (SINGLE) DB 334 PG 268

P 82 BERTHA R. SHEPHERD DB 202 PG 662

P 83 ALFRED L. GAMBILL & MARY E. GAMBILL (BROTHER & SISTER) DB 240 PG 33

P 84 ALFRED L. GAMBILL & BONILEE F. GAMBILL (H & W) DB 178 PG 415

P 85 ALISON THIESSEN & KENNETH THIESSEN (W&H) DB 770 PG 292

P 86 JOCELYN HALTERMON & RICHARD HALTERMON (W&H) DB 770 PG 288 DB 346 PG 121

P 87 DENNIS J. MATHIS & BRENDA J. MATHIS (WF) DB 402 PG 69

P 89 CECIL PETERS & SHIRLEY PETERS (WF) DB 861 PG 885

P 90 GARNETTE LOUISE MAGEE DB 166 PG 489

P 110 HEMPSTEADE COMMUNITY FACILITIES ASSOCIATION, INC. DB 451 PG 21

P 92 GEORGE L. & SUN ALLEN (H&W) DB 880 PG 968

P 93 RICHARD M. & TRACY HANSER (WF) DB 680 PG 15

P 94 KEITH A. SCIARRA (UNMARRIED) DB 989 PG 769

P 95 CHRISTOPHER P. MAYLEBEN & SARAH C. MAYLEBEN (WF) DB 987 PG 866

P 96 THOMAS W. BECHTOL & TINA M. BECHTOL (WF) DB 949 PG 717

P 97 DILIPKUMAR J. PATEL & RANJANBEN D. PATEL (WF) DB 1015 PG 845

P 98 JEFFREY T. & TAMI L. WANDELL DB 905 PG 486

P 99 NATHAN W. & KIMBERLY A. FORMAN DB 905 PG 701

P 100 MARK R. HEALY & LEISA A. HEALY (WF) DB 922 PG 880

P 101 ROBERT T. & VALERIE A. KENKEL (WF) DB 913 PG 394

P 102 MATTHEW A. KREMER & MELISSA M. KREMER (WF) DB 922 PG 727

P 103 DAN B. LINDEMAN II DB 928 PG 938

P 104 MICHAEL W. PAUCIULO & EMILIE S. PAUCIULO (WF) DB 976 PG 597

P 105 BRETT M. BACHMEN & SHERI M. BACHMEN (WF) DB 975 PG 495

P 107 LYLE MARK DAUGHERTY & CASEY LYNN DAUGHERTY (WF) DB 976 PG 424

P 111 ERPENBECK INVESTMENT PROPERTIES LLC DB 914 PG 620

P 112 ERPENBECK INVESTMENT PROPERTIES LLC DB 914 PG 620

P 113 THE DREES COMPANY DB 874 PG 56

P 114 LAWRENCE A. ERPENBECK & BARBARA SUE ERPENBECK (WF) DB 924 PG 338

P 115 LAWRENCE ERPENBECK & BARBARA ERPENBECK (WF) DB 264 PG 9

P 116 DENNIS AUGUR & VIVIEN AUGUR (WF) DB 615 PG 125

P 117 CATHERINE E. ERPENBECK & W. THOMAS ERPENBECK TRUSTEES DB 604 PG 137

P 118 / P 202 DANIEL E. MICHELS (MARRIED) DB 881 PG 723

P 119 / P 203 ADNAN SHEHADEH & IBRAHIM SHEHADEH DB 958 PG 393

P 120 / P 204 MARK D. BUTLER & DEBORAH S. BUTLER (WF) DB 977 PG 222

P 121 DANIEL SCHWARBERG DB 970 PG 508

P 122 PAUL A. LAMPKIN & KIMBERLY A. LAMPKIN (WF) DB 920 PG 866

P 123 TERRY M. DRAKE & JUNKO DRAKE (WF) DB 894 PG 336

P 125 DAVID R. CRUCE (SINGLE) DB 880 PG 852

P 127 DONALD MORRIS & ELAINE MORRIS (WF) DB 715 PG 305

P 128 RALPH ROLLINS & DEBBIE ROLLINS (WF) DB 301 PG 104

P 129 THOMAS A. BELL & DEBRA LOU BELL (WF) DB 791 PG 10

P 136 DANN C. FOX & ELIZABETH A. FOX (WF) DB 842 PG 507

P 137 RAYMOND D. HENSLEY & BETTYE L. HENSLEY (WF) DB 847 PG 328

P 195 MERCY FOUNDATION INC. DB 866 PG 414

P 196 THOMAS H. PYKE & CONNIE L. PYKE (WF) DB 536 PG 272

P 197 GERALD SPENCE & SALLY SPENCE (WF) DB 738 PG 229

P 198 JOSEPH E. MARSHALL & LESLIE L. MARSHALL DB 984 PG 144

LEGEND
(a) Temp. Esmt
(b) Perm. Drain. Esmt
(c) Prop. R/W
(d) Prop. A.C.
(e) Prop. 20' San. Sewer Esmt.
(f) Perm. Drain and Water Main Esmt.

SCALE: 1"=200'

RIGHT OF WAY STRIP MAP

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$TIME$ $DATE$ $FILE$

RIGHT OF WAY PLANS

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R88

R/W REV. NUMBER 2 APRIL 22, 2013
R/W REV. NUMBER 3 AUGUST 14, 2013
R/W REV. NUMBER 5 NOVEMBER 13, 2013
R/W REV. NUMBER 7 AUGUST 5, 2014

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

P108 FRANCES M. PIPER (MARRIED) DB 928 PG 399
P109 WAYNE PARTIN (MARRIED) DB 676 PG 170
P125 DAVID R. CRUCE (SINGLE) DB 880 PG 852
P126 KATHLEEN A. TANNER (MARRIED) DB 877 PG 159
P129 THOMAS A. BELL & DEBRA LOU BELL (WF) DB 791 PG 10
P130 THOMAS CRADDOCK DB 271 PG 70
P131 COUNTY OF BOONE, KENTUCKY DB 943 PG 415
P132 JOHN T. HYLAND & MARY C. HYLAND (WF) DB 900 PG 480
P133 ANTHONY J. FRANZ (UNMARRIED) DB 979 PG 809
P139 ROBERT J. & L. JILL DURHAM DB 419 PG 277
P140 SHELBY J. RIGGS & SANDRA RIGGS (WF) DB 310 PG 208
P141 KENTON COUNTY FISCAL COURT, D.B.A. NORTHERN KENTUCKY DRUG STRIKE FORCE DB 1005 PG 218
P142 JOSEPH L. COLLETT & ELLEN COLLETT (WF) DB 416 PG 197
P143 TIMOTHY P. MAHANEY (MARRIED) DB 960 PG 069
P144 ERIC J. MESSMER TRUSTEE DB 982 PG 315
P145 JOYCE R. JAQUAY (UNMARRIED) DB 696 PG 103
P146 BILL L. FANNIN & GEORGETTE MOOREFIELD (BOTH SINGLE) DB 235 PG 259

P134, P135, P138, P147, P149, P192 & P193 NOT USED

℄ GUNPOWDER RD. STA. 43+09.98
℄ CARSPEN LE STA. 50+00
℄ GUNPOWDER RD. STA. 44+48.93
℄ CHURCHILL DR. STA. 50+00

℄ KY 536 STA. 130+22.44 =
℄ BLACKSMITH DR. STA. 50+00

℄ KY 536 STA. 135+26.66 =
℄ HAVEN HILL DR. STA. 50+00

℄ KY 536 STA. 151+36.97 =
℄ NORTH TIBURON DR. STA. 50+00.88 =
℄ TIBERON DR. STA. 50+00.88

℄ FLORENCE BAPTIST CHURCH RD. STA. 50+00.00=
℄ NORTH TIBURON DR. STA. 44+00.00

END CONSTRUCTION STA. 153+00

END R/W STA. 160+60.33

℄ KY 536 STA. 130+07.28 =
℄ DUNCAN DR. STA. 50+00

℄ TIBURON DR. STA. 56+86=
℄ HIGHLAND DR. STA. 50+00

℄ KY 536 STA. 119+48 =
℄ GUNPOWDER RD. STA. 50+00

P148 KAREN L. FISK (SINGLE) DB 293 PG 8
P150 JONATHAN D. WENNDT DB 896 PG 53
P151 OLIVIA SALCIDO & ESTREBERTO SALCIDO (W&H) DB 878 PG 417
P152 SANITATION DISTRICT NO. 1 DB 1029 PG 771
P153 JOSEPH P. BARVINCAK & BARBARA A. BARVINCAK (WF) DB 701 PG 215
P154 ROBERT E. BROWN & MARGARET E. BROWN (WF) DB 201 PG 664
P155 WESTMARK PROPERTIES, LLC DB 939 PG 973
P156 BRIAN V. PAPPAS & KAREN I. PAPPAS DB 1026 PG 025
P157 FRANK P. LYONS & GENENE J. LYONS DB 310 PG 334
P158 CAROLYN K. WILHAM WALTER L. WILHAM (HUSB.) DB 854 PG 050
P159 LLOYD O. LAUGHLIN & BEVERLY J. LAUGHLIN (WF) DB 387 PG 21
P160 LOWELL D. WOOD & RUTH WOOD (WF) DB 210 PG 115
P161 ROBERT B. BOWLING & JANET E. BOWLING (WF) DB 191 PG 479
P162 SAMUEL C. DINN & JO ANN M. DINN (WF) DB 192 PG 110
P163 ROBERT J. MILLER DB 744 PG 241
P164 GERALD GIBSON & BEVERLY GIBSON (WF) DB 185 PG 635
P165 ANGELA G. SHEPHERD DONNIE R. SHEPHERD (W&H) DB 1006 PG 053
P166 RONALD W. RAISOR & MARY RAISOR (TRUSTEES) DB 947 PG 623
P167 FRED PUCKETT III DB 977 PG 219
P168 JAN M. HASTINGS DB 574 PG 120
P169 SEDGLEY J. BROCKETT (AN UNREMARRIED WIDOW) DB 963 PG 648
P170 RADELL HUNT (MARRIED) DB 885 PG 13
P171 RONALD E. ARENDELL DB 824 PG 518
P172 BONITA MADDOX FAMILY LIVING TRUST DB 1006 PG 243
P173 STEPHEN RAY BURRUS & JUDITH KAY BURRUS (WF) DB 534 PG 34
P174 MARY ANN TWOMBLY-NEAL & JERRY ALLEN NEAL (W&H) DB 766 PG 88
P175 WILGUS RALEIGH & ARMINDA RALEIGH (WF) DB 887 PG 72
P176 ELMER N. ROSE & IDA M. ROSE (WF) DB 199 PG 293
P177 LEWIS LAWSON & LAVERNE LAWSON (WF) DB 214 PG 488
P178 STEPHEN K. LAIR (MARRIED) DB 946 PG 183
P179 DONALD C. NEAL & BETTY NEAL (WF) DB 202 PG 111
P180 JAMES SMITH & JANICE SMITH (WF) DB 308 PG 243
P181 JAMES A. McLAFFERTY & ANITA R. McLAFFERTY (WF) DB 730 PG 16
P182 CAROLE R. DUNN DB 376 PG 79
P183 CHARLES E. BAKER & MARGARET A. REUSCH (BOTH UNMARRIED) DB 581 PG 272
P184 RONALD H. STITH & PATRICIA STITH (WF) DB 217 PG 247
P185 RAYMOND JAMES HULS & CAROL LEE HULS (WF) DB 209 PG 372
P186 FLORENCE BAPTIST CHURCH INC. DB 780 PG 129
P187 AMY LOUISE TEEPEN & LEONARD J. TEEPEN (HUSB) DB 443 PG 307
P188 CHRIS W. STEIN & LORI STEIN (WF) DB 264 PG 136
P189 KYTC HIGHWAY DB 16 PG 1
P190 THOMAS LITZLER & PAT LITZLER (WF) DB 430 PG 246
P191 STEVEN E. STARKE & SANDRA G. STARKE (WF) DB 287 PG 152
P194 JOSEPH M. PARKER & MONA M. PARKER (WF) DB 955 PG 530
P199 FRANCES M. PIPER (MARRIED) DB 928 PG 399

LEGEND
(a) Temp. Esmt
(b) Perm. Drain. Esmt
(c) Prop. R/W
(d) Prop. A.C.
(e) Prop. 20' San. Sewer Esmt.
(f) Perm. Drain and Water Main Esmt.

SCALE: 1"=200'

RIGHT OF WAY STRIP MAP

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$TIME$ $DATE$ $FILE$

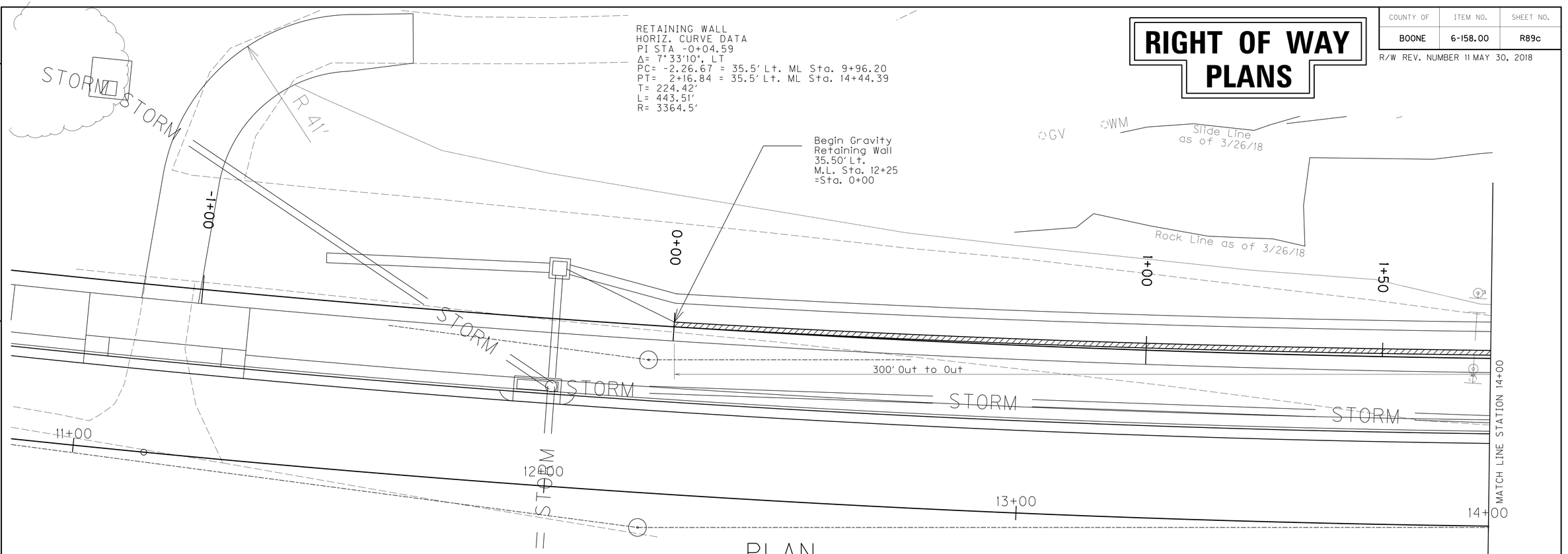
COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R89c

R/W REV. NUMBER 11 MAY 30, 2018

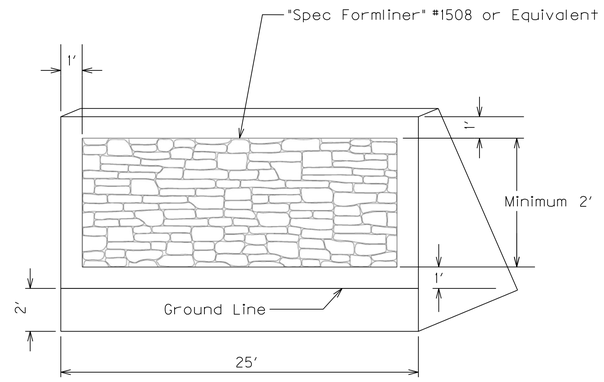
RIGHT OF WAY PLANS

PREPARED BY ____ DATE
CHECKED BY ____ DATE
APPROVED BY ____ DATE

RETAINING WALL
HORIZ. CURVE DATA
PI STA -0+04.59
Δ= 7°33'10", LT
PC= -2.26.67 = 35.5' Lt. ML Sta. 9+96.20
PT= 2+16.84 = 35.5' Lt. ML Sta. 14+44.39
T= 224.42'
L= 443.51'
R= 3364.5'

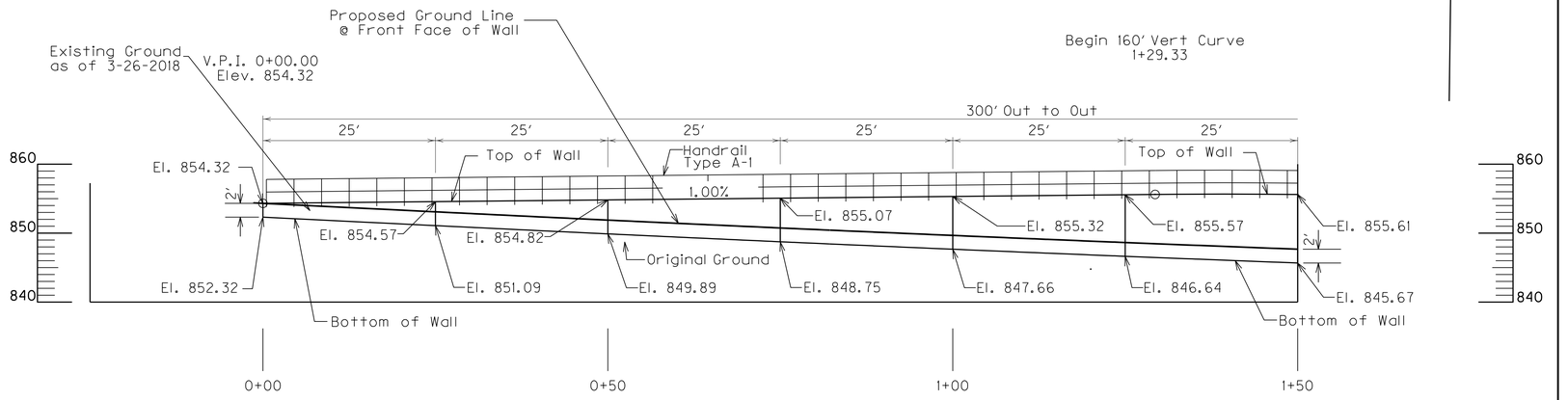


PLAN



FORMLINER
AND BORDER DETAIL

Typical or as directed by the
Engineer on the Project



ELEVATION GRAVITY RETAINING WALL

SCALE: 1"=10'

GRAVITY RETAINING WALL DETAILS
SLIDE CORRECTION
STA. 0+00 TO 1+50

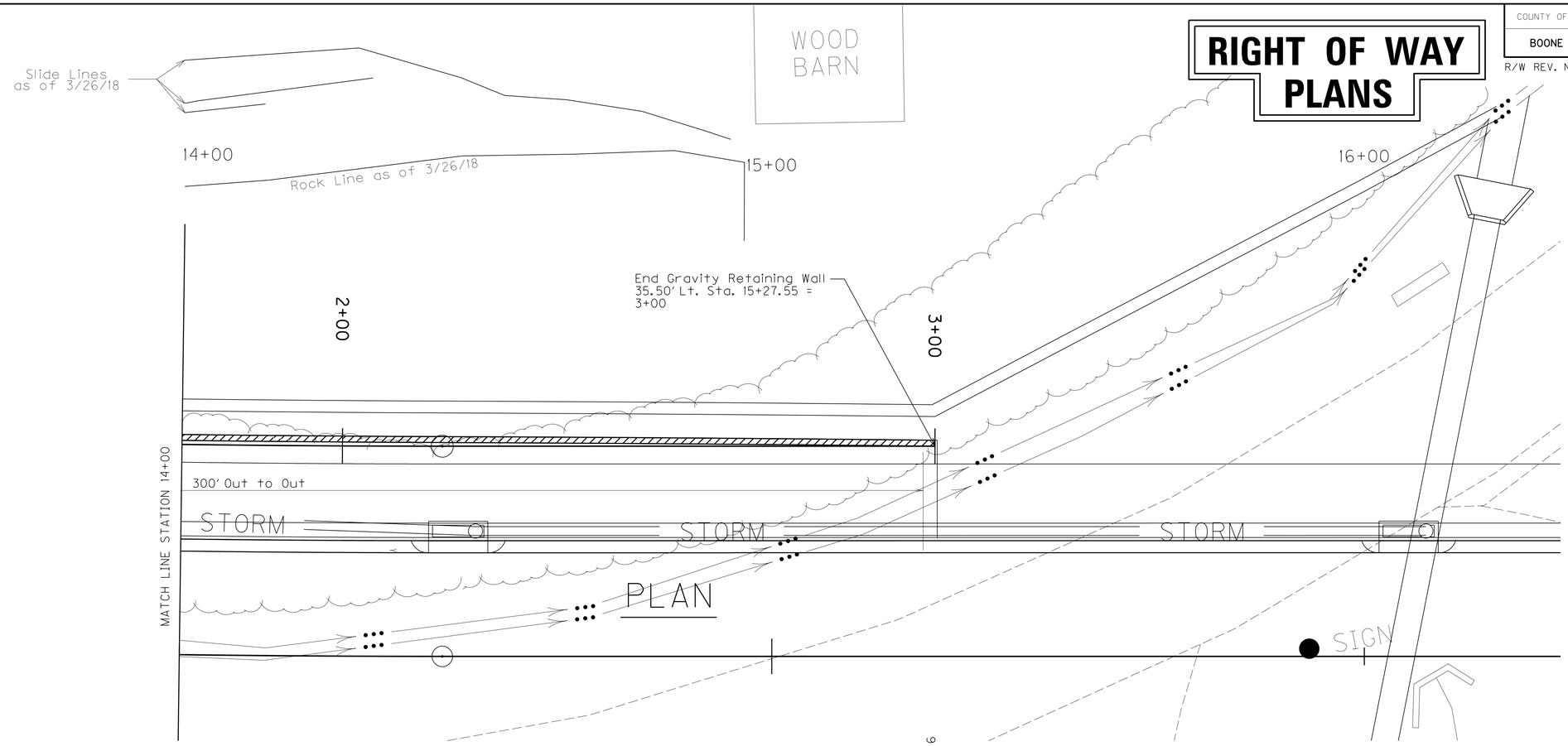
USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME: R0890CDS

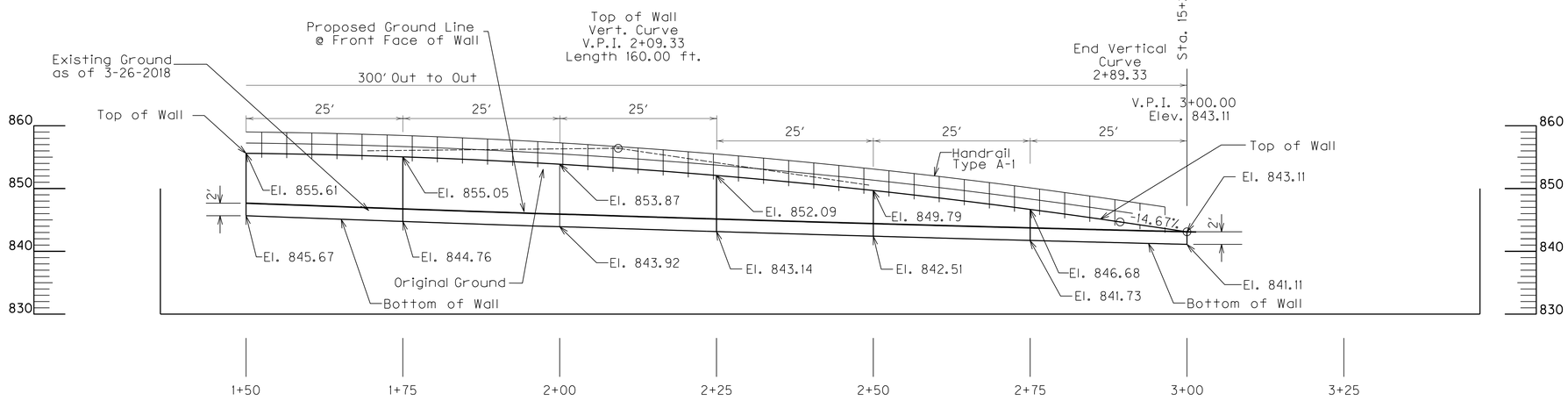
COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R89d

R/W REV. NUMBER 11 MAY 30, 2018

RIGHT OF WAY PLANS

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____





ELEVATION GRAVITY RETAINING WALL

PAY ITEMS	
Concrete, Class B	197 Cu. Yd.
Structure Excavation	36 Cu. Yd.
Handrail Type A-1	296 L.F.

SCALE: 1"=10'

GRAVITY RETAINING WALL DETAILS
SLIDE CORRECTION
STA. 1+50 TO 3+00

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME: R0890DDS

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R183

RIGHT OF WAY PLANS

R/W REV. NUMBER 3 AUGUST 14, 2013
R/W REV. NUMBER 5 NOVEMBER 13, 2013
R/W REV. NUMBER 7 AUGUST 5, 2014

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

ORIGIN OF LEVELS

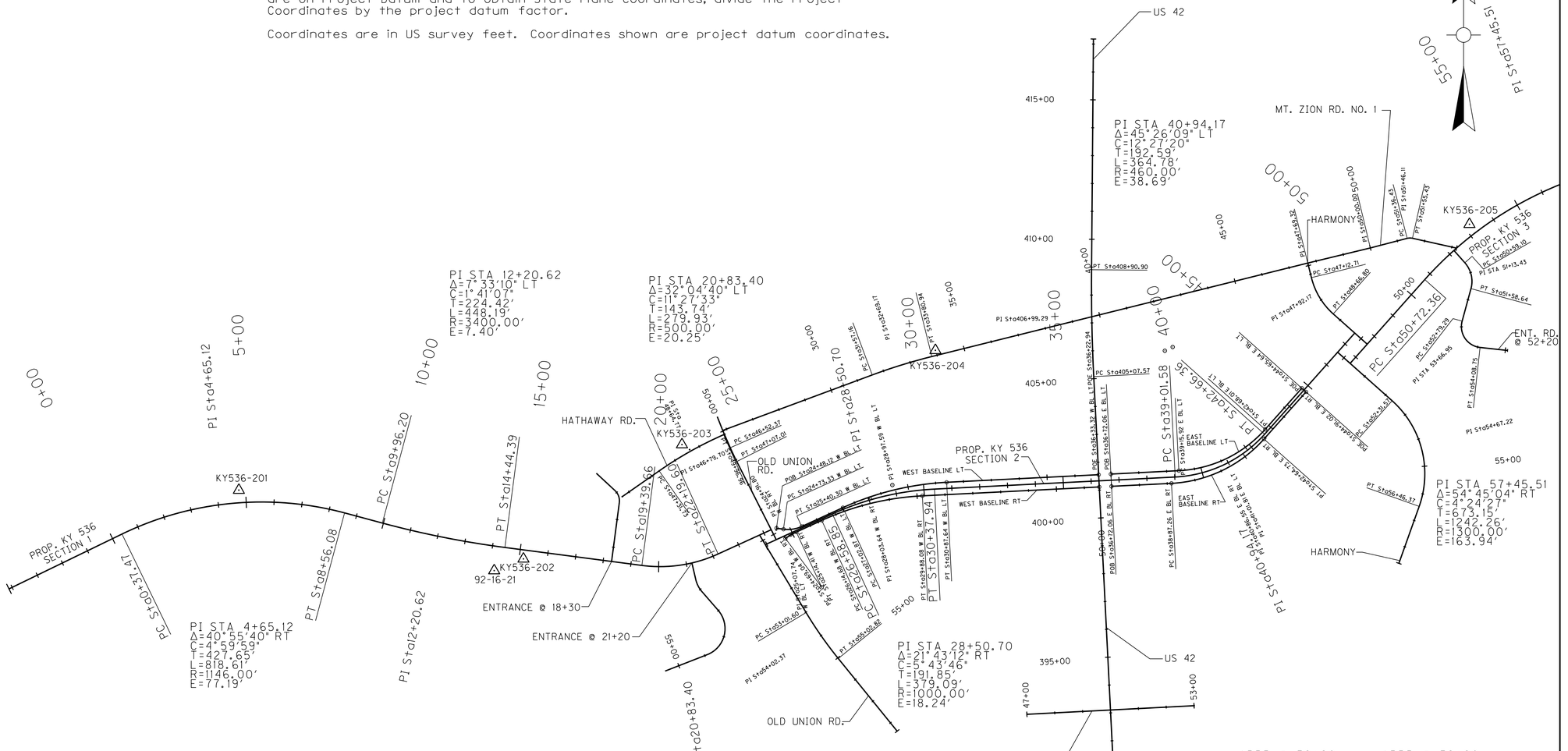
Elevations were derived from GPS methods and are adjusted to the NAVD 1988 Datum. Geoid model used was Geoid96. A bench mark, I75 T 112, is a survey disc set on top of a concrete monument at Sta 158+57.07, Left 6154.73', with a vertical control mark at Elev. = 908.85'

PROJECT COORDINATES

Coordinates for horizontal control were obtained from GPS methods and adjusted to NAD83/93 State Plane Coordinates, Kentucky North.

A project datum factor of 1.000044292 was computed from the central most point to convert the State Plane Coordinates to Project Coordinates. Coordinates shown are on Project Datum and to obtain State Plane Coordinates, divide the Project Coordinates by the project datum factor.

Coordinates are in US survey feet. Coordinates shown are project datum coordinates.



WEST BASELINE LT	WEST BASELINE LT	WEST BASELINE RT	WEST BASELINE RT	EAST BASELINE LT	EAST BASELINE RT
PI STA 25+07.74	PI STA 28+97.59	PI STA 24+91.80	PI STA 428+03.64	PI STA 41+01.81	PI STA 40+86.55
Δ=32°31'00" LT	Δ=21°43'12" RT	Δ=11°55'25" RT	Δ=21°43'12" RT	Δ=45°26'09" LT	Δ=45°26'09" LT
C=48°33'21"	C=5°38'42"	C=26°16'57"	C=5°49'01"	C=12°54'16"	C=12°02'13"
T=34.41'	T=194.72'	T=22.77'	T=188.97'	T=185.89'	T=199.29'
L=66.97'	L=384.77'	L=45.37'	L=373.40'	L=352.10'	L=377.47'
R=118.00'	R=1015.00'	R=218.00'	R=985.00'	R=444.00'	R=476.00'
E=4.92'	E=18.51'	E=1.19'	E=17.96'	E37.34'	E=40.04'

ENTRANCE @ 18+30	ENTRANCE @ 21+20	ENTRANCE @ 21+20	HATHAWAY RD.	OLD UNION RD.	OLD UNION RD.	U.S. 42	HARMONY	HARMONY	MT. ZION RD. NO. 1	MT. ZION RD. NO. 1
PI STA 47+65.13	PI STA 50+85.77	PI STA 53+40.96	PI STA 48+64.77	PI STA 46+79.70	PI STA 54+02.37	PI STA 406+99.29	PI STA 47+92.17	PI STA 54+67.22	PI STA 32+69.17	PI STA 51+46.11
Δ=54°32'38" RT	Δ=27°42'05" LT	Δ=109°35'13" RT	Δ=11°15'24" RT	Δ=3°07'51" LT	Δ=8°02'54" LT	Δ=3°20'50" RT	Δ=34°29'09" LT	Δ=67°54'13" RT	Δ=06°24'40" RT	Δ=27°12'54" RT
C=114°35'30"	C=57°17'45"	C=57°17'45"	C=4°14'39"	C=5°43'46"	C=3°59'59"	C=0°52'23"	C=22°22'52"	C=16°22'13"	C=02°51'53"	C=143°14'22"
T=25.78'	T=24.66'	T=141.73'	T=133.04'	T=27.33'	T=100.78'	T=191.72'	T=79.46'	T=235.65'	T=112.01'	T=9.68'
L=47.60'	L=48.35'	L=191.27'	L=265.23'	L=54.64'	L=201.22'	L=383.32'	L=154.08'	L=414.80'	L=223.79'	L=19.00'
R=50.00'	R=100.00'	R=100.00'	R=1350.00'	R=1000.00'	R=1432.50'	R=6561.67'	R=256.00'	R=350.00'	R=2000.00'	R=40.00'
E=6.25'	E=2.99'	E=73.45'	E=6.54'	E=0.37'	E=3.54'	E=2.80'	E=12.05'	E=71.94'	E=3.13'	E=1.16'
									96-6-4	

SCALE: 1"=200

COORDINATE CONTROL PLAN SHEET #1

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

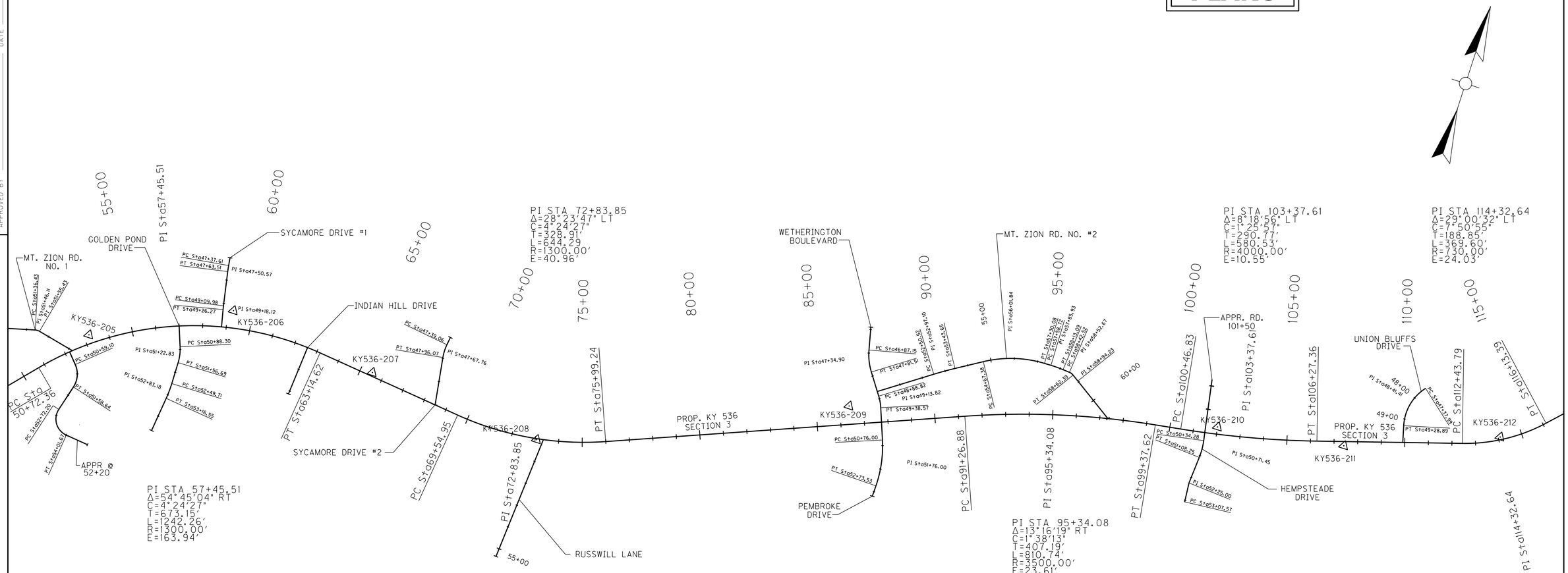
$TIME$ $DATE$ $FILE$

RIGHT OF WAY PLANS

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R184

R/W REV. NUMBER 3 AUGUST 14, 2013
R/W REV. NUMBER 5 NOVEMBER 13, 2013
R/W REV. NUMBER 8 JANUARY 26, 2015

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____



GOLDEN POND DRIVE	SYCAMORE DRIVE 1	SYCAMORE DRIVE 2	WETHERINGTON BLVD	MT. ZION RD. #2	MT. ZION RD. #2 CONT.	PEMBROKE DRIVE	HEMPSTEADE DRIVE	UNION BLUFFS DRIVE
PI STA 51+22.83 Δ=19°35'27" RT C=28°38'52" T=34.53' L=68.38' R=200.00' E=2.96'	PI STA 47+50.57 Δ=2°58'07" LT C=11°27'33" T=12.96' L=25.90' R=500.00' E=0.17'	PI STA 47+67.76 Δ=16°19'53" LT C=28°38'52" T=28.70' L=57.01' R=200.00' E=2.05'	PI STA 47+34.90 Δ=21°37'29" LT C=22°55'06" T=47.75' L=94.36' R=250.00' E=4.52'	PI STA 52+97.10 Δ=3°33'26" RT C=3°49'11" T=46.58' L=93.13' R=1500.00' E=0.72'	PI STA 57+85.93 Δ=6°13'50" RT C=11°27'33" T=27.21' L=54.37' R=500.00' E=0.74'	PI STA 51+76.00 Δ=22°01'46" RT C=11°09'09" T=100.00' L=197.53' R=513.75' E=9.64'	PI STA 50+71.45 Δ=14°07'37" RT C=19°05'55" T=37.17' L=73.97' R=300.00' E=2.29'	PI STA 48+41.41 Δ=54°41'16" RT C=28°38'52" T=103.42' L=190.90' R=200.00' E=25.16'
PI STA 52+83.18 Δ=7°39'34" RT C=11°27'33" T=33.47' L=66.84' R=500.00' E=1.12'	PI STA 49+18.12 Δ=1°52'01" LT C=11°27'33" T=8.15' L=16.29' R=500.00' E=0.07'		PI STA 49+13.82 Δ=13°57'29" RT C=28°03'18" T=25.00' L=49.75' R=204.23' E=1.52'	PI STA 56+01.84 Δ=30°06'10" RT C=11°27'33" T=134.46' L=262.70' R=500.00' E=17.76'	PI STA 58+52.67 Δ=28°27'45" RT C=143°14'22" T=10.14' L=19.87' R=40.00' E=1.27' PI STA 58+94.23		PI STA 52+25.00	

SCALE: 1"=200

COORDINATE CONTROL PLAN SHEET #2

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

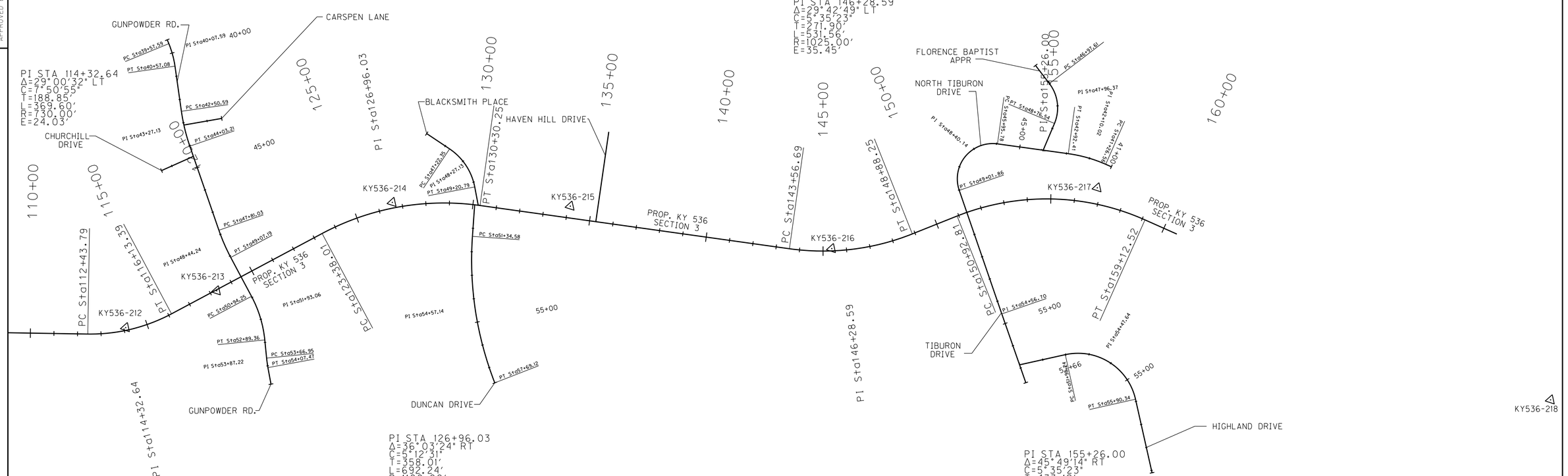
$TIME$ $FILE$

RIGHT OF WAY PLANS

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R185

R/W REV. NUMBER 2 APRIL 22, 2013
R/W REV. NUMBER 5 NOVEMBER 13, 2013

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____



GUNPOWDER RD.
PI STA 40+07.59
Δ=14°15'05" RT
C=1°19'26"
T=50.01'
L=99.49'
R=400.00'
E=3.11'

PI STA 43+27.13
Δ=10°55'49" LT
C=7°09'43"
T=76.54'
L=152.62'
R=800.00'
E=3.65

PI STA 48+44.24
Δ=9°02'07" LT
C=7°09'43"
T=63.21'
L=126.16'
R=800.00'
E=2.49'

GUNPOWDER RD. CONT.

PI STA 51+93.06
Δ=22°21'28" RT
C=11°27'33"
T=98.81'
L=195.11'
R=500.00'
E=9.67'

PI STA 53+87.22
Δ=4°38'35" LT
C=11°27'33"
T=20.27'
L=40.52'
R=500.00'
E=0.41'

BLACKSMITH PLACE

PI STA 48+27.13
Δ=45°28'48" RT
C=22°55'06"
T=104.78'
L=198.44'
R=250.00'
E=21.07'

DUNCAN DRIVE

PI STA 54+57.14
Δ=25°22'46" LT
C=3°59'59"
T=322.56'
L=634.53'
R=1432.50'
E=35.87'

NORTH TIBURON DRIVE

PI STA 42+10.02
Δ=15°50'14" LT
C=9°32'57"
T=83.46'
L=165.85'
R=600.00'
E=5.78'

PI STA 48+40.14
Δ=116°54'49" LT
C=38°11'50"
T=244.36'
L=306.08'
R=150.00'
E=136.73'

HIGHLAND DRIVE

PI STA 54+47.64
Δ=89°51'44" RT
C=22°55'06"
T=249.40'
L=392.10'
R=250.00'
E=103.13'

FLORENCE BAPTIST APPR

PI STA 47+96.37
Δ=60°18'15" RT
C=33°42'12"
T=98.75'
L=178.93'
R=170.00'
E=26.60'

SCALE: 1"=200

COORDINATE CONTROL PLAN SHEET #3

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$TIME$ $FILE$

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R186

RIGHT OF WAY PLANS

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

HORIZONTAL CONTROL DATA

COORDINATE CONTROL POINTS

POINT	DESCRIPTION	Project Coordinates			STATION and OFFSET
		NORTH (Y)	EAST (X)	ELEV. (Z)	
KY536-200	CONC. MON. W/ ALUM. DISC	526104.99	1514978.07	858.53	
KY536-201	CONC. MON. W/ ALUM. DISC	526597.15	1516170.14	882.90	4+76.40, 43.06 Left
KY536-202	REBAR W/ ALUM. DISC	526350.60	1517190.16	839.67	15+15.80, 34.19 Right
KY536-203	CONC. MON. W/ ALUM. DISC	526760.47	1517758.33	825.45	22+60.93, 434.74 Left
KY536-204	CONC. MON. W/ ALUM. DISC	527098.49	1518666.57	870.79	30+69.47, 494.67 Left
KY536-205	REBAR W/ ALUM. DISC	527550.41	1520580.63	911.12	53+19.94, 35.20 Left
KY536-206	CONC. MON. W/ ALUM. DISC	527836.63	1521132.37	882.19	59+21.29, 71.72 Left
KY536-207	CONC. MON. W/ ALUM. DISC	527768.02	1521773.73	915.87	65+50.92, 13.22 Left
KY536-208	CONC. MON. W/ ALUM. DISC	527711.33	1522524.37	922.05	73+05.79, 6.12 Right
KY536-209	CONC. MON. W/ ALUM. DISC	528254.80	1523741.95	896.84	86+39.36, 76.00 Left
KY536-210	CONC. MON. W/ ALUM. DISC	528650.99	1525256.57	896.29	102+00.39, 28.56 Left
KY536-211	REBAR W/ ALUM. DISC	528739.84	1525790.43	870.75	107+40.77, 19.82 Right
KY536-212	REBAR W/ ALUM. DISC	528979.01	1526410.18	843.60	114+06.87, 9.78 Left
KY536-213	REBAR W/ ALUM. DISC	529246.70	1526729.75	820.76	118+26.91, 5.49 Right
KY536-214	CONC. MON. W/ ALUM. DISC	529833.16	1527323.74	834.58	126+59.61, 22.09 Left
KY536-215	CONC. MON. W/ ALUM. DISC	530050.53	1528047.75	854.67	134+09.92, 48.04 Left
KY536-216	CONC. MON. W/ ALUM. DISC	530220.52	1529159.30	864.36	145+36.44, 8.02 Left
KY536-217	CONC. MON. W/ ALUM. DISC	530812.97	1530152.61	882.55	156+91.46, 48.80 Left
KY536-218	CONC. MON. W/ ALUM. DISC	530547.88	1532260.71	935.90	
92-16-21	CONC. MON. W/ ALUM. DISC	526308.60	1517085.29	852.16	14+17.97, 89.61 Right
96-6-4	CONC. MON. W/ ALUM. DISC	524924.33	1519190.77	838.79	34+80.39, 1703.14 Right
I75 T 112	CONC. MON. W/ ALUM. DISC	536925.56	1530455.71	908.85	158+57.07, 6154.73' Left

NOTE:
THE CONTRACTOR IS RESPONSIBLE FOR RUNNING A TRAVERSE TO VERIFY THAT CONTROL POINTS HAVE NOT BEEN REPOSITIONED BY VANDALS.

SCALE: 1"=1'

COORDINATE CONTROL SHEET #1

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$TIME$ $FILE$

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R187

RIGHT OF WAY PLANS

PREPARED BY DATE
CHECKED BY DATE
APPROVED BY DATE

KY 536 SECTION 1

DESC.	STATION	Project Coordinates	
		EAST (X)	NORTH (Y)
P.C.	0+37.47	1515751.28	526439.66
P.I.	4+65.12	1516136.01	526626.37
P.O.C.	7+00.00	1516395.99	526545.53
P.T.	8+56.08	1516549.01	526515.40
P.C.	9+96.20	1516684.34	526479.04
P.I.	12+20.62	1516901.07	526420.81
P.T.	14+44.39	1517123.58	526391.57
P.C.	19+39.66	1517614.62	526327.03
P.I.	20+83.40	1517757.14	526308.30
P.T.	22+19.60	1517887.84	526368.12
P.O.E.	24+28.92	1518078.18	526455.22

KY 536 SECTION 2

DESC.	STATION	Project Coordinates	
		EAST (X)	NORTH (Y)
P.O.B.	23+94.65	1518057.03	526401.55
P.C.	26+58.85	1518297.27	526511.50
P.I.	28+50.70	1518471.71	526591.33
P.T.	30+37.94	1518663.32	526600.94
P.C.	39+01.58	1519525.87	526644.19
P.I.	40+94.17	1519718.22	526653.84
P.T.	42+66.36	1519846.33	526797.65
P.O.E.	47+52.19	1520169.47	527160.43

KY 536 SECTION 3

DESC.	STATION	Project Coordinates	
		EAST (X)	NORTH (Y)
P.O.B.	46+70.00	1520152.93	527051.62
P.C.	50+72.36	1520420.56	527352.07
P.I.	57+45.51	1520868.30	527854.72
P.T	63+14.62	1521.537.20	527779.17

KY 536 SECTION 3 cont.

DESC.	STATION	Project Coordinates	
		EAST (X)	NORTH (Y)
P.C.	69+54.95	1522173.48	527707.30
P.I.	72+83.85	1522500.31	527670.38
P.T.	75+99.24	1522805.37	527793.34
P.C.	91+26.88	1524222.25	528364.41
P.I.	95+34.08	1524599.92	528516.63
P.T.	99+37.62	1525002.45	528578.08
P.C.	100+46.83	1525110.41	528594.57
P.I.	103+37.61	1525397.86	528638.45
P.T.	106+27.36	1525675.93	528723.44
P.C.	112+43.78	1526265.44	528903.62
P.I.	114+32.64	1526446.04	528958.82
P.T.	116+13.38	1526577.22	529094.68
P.C.	123+38.01	1527080.55	529615.97
P.I.	126+96.03	1527329.22	529873.52
P.T.	130+30.25	1527681.85	529935.37
P.C.	143+56.69	1528988.35	530164.51
P.I.	146+28.59	1529256.16	530211.48
P.T.	148+88.25	1529465.48	530385.02
P.C.	150+92.81	1529622.96	530515.58
P.O.C.	153+00.00	1529794.70	530630.85
P.I.	155+26.00	1529956.44	530792.06
P.T.	159+12.52	1530387.13	530745.58
P.O.E.	160+64.06	1530537.80	530729.32

WEST BASELINE LT.

DESC.	STATION	Project Coordinates	
		EAST (X)	NORTH (Y)
P.O.B.	24+48.12	1518097.04	526460.61
P.C.	24+73.33	1518122.01	526457.14
P.I.	25+07.74	1518156.09	526452.39
P.T.	25+40.30	1518187.39	526466.71
P.C.	27+02.87	1518335.21	526534.36
P.I.	28+97.59	1518512.28	526615.39
P.T.	30+87.64	1518706.76	526625.15
P.O.E.	36+33.32	1519251.75	526652.48

WEST BASELINE RT.

DESC.	STATION	Project Coordinates	
		EAST (X)	NORTH (Y)
P.C.	24+69.04	1518129.15	526423.89
P.I.	24+91.80	1518147.45	526437.43
P.T.	25+14.41	1518168.15	526446.91
P.C.	26+14.68	1518259.32	526488.63
P.I.	28+03.64	1518431.15	526567.27
P.T.	29+88.08	1518619.88	526576.73
P.O.E.	36+22.94	1519253.95	526608.53

EAST BASELINE LT.

DESC.	STATION	Project Coordinates	
		EAST (X)	NORTH (Y)
P.O.B.	36+72.06	1519295.54	526654.67
P.C.	39+15.92	1519539.09	526666.88
P.I.	41+01.81	1519724.75	526676.19
P.T.	42+68.01	1519848.39	526815.00
P.O.E.	44+65.64	1519979.85	526962.58

EAST BASELINE RT.

DESC.	STATION	Project Coordinates	
		EAST (X)	NORTH (Y)
P.O.B.	36+72.06	1519297.74	526610.73
P.C.	38+87.26	1519512.67	526621.50
P.I.	40+86.55	1519711.71	526631.48
P.T.	42+64.73	1519844.26	526780.30
P.O.E.	44+91.02	1519994.78	526949.27

SCALE: 1"= 1'

COORDINATE CONTROL SHEET # 2

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$TIME$ $FILE$

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R188

R/W REV. NUMBER 7 AUGUST 5, 2014

RIGHT OF WAY PLANS

PREPARED BY DATE
CHECKED BY DATE
APPROVED BY DATE

ENTRANCE @ 18+30, LT.

DESC.	STATION	Project Coordinates	
		EAST (X)	NORTH (Y)
P.O.B.	46+48.49	1517451.63	526657.58
P.C.	47+39.35	1517518.15	526595.67
P.I.	47+65.13	1517537.01	526578.11
P.T.	47+86.95	1517533.66	526552.56
P.O.E.	50+00.00	1517505.89	526341.32

ENTRANCE @ 21+20, RT.

DESC.	STATION	Project Coordinates	
		EAST (X)	NORTH (Y)
P.O.B.	50+00.00	1517793.76	526335.94
P.C.	50+61.11	1517807.69	526276.43
P.I.	50+85.77	1517813.32	526252.43
P.T.	51+09.46	1517829.45	526233.78
P.C.	51+99.23	1517888.21	526165.91
P.I.	53+40.96	1517980.96	526058.75
P.T.	53+90.50	1517848.91	526007.29
P.O.E.	55+52.54	1517697.93	525948.44

HATHAWAY RD.

DESC.	STATION	Project Coordinates	
		EAST (X)	NORTH (Y)
P.O.B.	45+70.18	1517544.21	526573.77
P.C.	47+31.73	1517676.66	526666.25
P.I.	48+64.77	1517785.75	526742.42
P.T.	49+96.96	1517907.60	526795.83
P.O.E.	50+00.00	1517910.38	526797.05

OLD UNION RD.

DESC.	STATION	Project Coordinates	
		EAST (X)	NORTH (Y)
P.O.B.	45+31.55	1517884.78	526860.53
P.I.	45+87.25	1517905.26	526808.73
P.C.	46+52.37	1517931.40	526749.09
P.I.	46+79.70	1517942.37	526724.06
P.T.	47+07.01	1517954.70	526699.67
P.O.E.	50+20.90	1518096.23	526419.49

OLD UNION RD.

DESC.	STATION	Project Coordinates	
		EAST (X)	NORTH (Y)
P.O.B.	49+77.48	1518036.31	526436.06
P.C.	53+01.60	1518203.13	526158.17
P.I.	54+02.37	1518254.99	526071.77
P.T.	55+02.82	1518318.45	525993.47
P.O.C.	53+40.40	1518223.54	526125.18
P.O.E.	58+38.30	1518529.68	525732.85

US 42

DESC.	STATION	Project Coordinates	
		EAST (X)	NORTH (Y)
P.O.B.	390+00.00	1519294.36	525802.75
P.O.T.	391+65.00	1519301.34	525663.42
P.C.	405+07.57	1519234.10	527004.31
P.I.	406+99.29	1519224.50	527195.78
P.T.	408+90.90	1519226.10	527387.49
P.O.T.	410+87.00	1519227.73	527583.59
P.O.E.	417+18.16	1519232.98	528214.73

HARMONY

DESC.	STATION	Project Coordinates	
		EAST (X)	NORTH (Y)
P.O.B.	46+58.75	1520001.21	527411.47
P.C.	47+12.71	1520014.10	527359.07
P.I.	47+92.17	1520033.08	527281.92
P.T.	48+66.80	1520092.41	527229.07
P.O.E.	50+30.02	1520214.29	527120.50

HARMONY

DESC.	STATION	Project Coordinates	
		EAST (X)	NORTH (Y)
P.O.B.	49+70.00	1520108.12	527091.54
P.C.	52+31.57	1520303.44	526917.56
P.I.	54+67.22	1520479.40	526760.82
P.T.	56+46.37	1520400.36	526538.82
P.O.T.	53+88.40	1520393.68	526790.91
P.O.E.	58+63.09	1520327.68	526334.66

MT ZION RD. NO. 1

DESC.	STATION	Project Coordinates	
		EAST (X)	NORTH (Y)
P.O.B.	25+85.38	1517904.23	526811.08
P.C.	31+57.16	1518440.21	527010.22
P.I.	32+69.17	1518545.21	527049.23
P.T.	33+80.94	1518653.90	527076.27
P.I.	47+69.32	1520001.21	527411.47
P.I.	50+00.00	1520225.47	527465.50
P.C.	51+36.43	1520357.50	527499.88
P.I.	51+46.11	1520366.87	527502.32
P.T.	51+55.43	1520376.31	527500.20
P.O.E.	53+17.24	1520534.22	527464.85

ENTRANCE RD. @ 52+20 RT

DESC.	STATION	Project Coordinates	
		EAST (X)	NORTH (Y)
P.O.B.	50+00.00	1520524.80	527456.50
P.C.	50+59.10	1520564.19	527412.45
P.I.	51+13.43	1520600.41	527371.94
P.T.	51+58.64	1520586.13	527319.52
P.C.	52+79.29	1520554.44	527203.11
P.I.	53+66.95	1520531.41	527118.53
P.T.	54+08.75	1520618.54	527108.87
P.O.E.	55+07.93	1520717.12	527097.94

GOLDEN POND DRIVE

DESC.	STATION	Project Coordinates	
		EAST (X)	NORTH (Y)
P.O.B.	50+00.00	1520932.95	527703.90
P.C.	50+88.30	1520964.08	527621.27
P.I.	51+22.83	1520976.26	527588.96
P.T.	51+56.69	1520976.89	527554.44
P.O.T.	51+60.00	1520976.95	527551.12
P.C.	52+49.71	1520978.60	527461.43
P.I.	52+83.18	1520979.22	527427.96

APPR @ 393+10.64 OFF US 42

DESC.	STATION	Project Coordinates	
		EAST (X)	NORTH (Y)
P.O.B.	46+99.98	1518994.43	525793.23
P.O.E.	52.99.98	1519593.63	525824.28

INDIAN HILL DRIVE

DESC.	STATION	Project Coordinates	
		EAST (X)	NORTH (Y)
P.O.B.	50+00.00	1521479.66	527784.38
P.O.T.	52+00.00	1521464.10	527584.98
P.O.E.	52+12.88	1521463.10	527572.14

SYCAMORE DRIVE #1

DESC.	STATION	Project Coordinates	
		EAST (X)	NORTH (Y)
P.O.B.	47+04.12	1521049.33	528045.97
P.O.T.	47+20.00	1521051.51	528030.24
P.C.	47+37.61	1521053.92	528012.80
P.I.	47+50.57	1521055.70	527999.97
P.T.	47+63.51	1521058.13	527987.24
P.C.	49+09.98	1521085.69	527843.40
P.I.	49+18.12	1521087.22	527835.39
P.T.	49+26.27	1521089.02	527827.45
P.O.E.	50+00.00	1521105.24	527755.52

SYCAMORE DRIVE #2

DESC.	STATION	Project Coordinates	
		EAST (X)	NORTH (Y)
P.O.B.	47+04.78	1522043.10	528011.52
P.O.T.	47+20.00	1522041.04	527996.44
P.C.	47+39.06	1522038.47	527977.55
P.I.	47+67.76	1522034.58	527949.12
P.T.	47+96.07	1522038.85	527920.74
P.O.E.	50+00.00	1522069.19	527719.08

RUSSWILL LANE

DESC.	STATION	Project Coordinates	
		EAST (X)	NORTH (Y)
P.O.B.	50+00.00	1522551.76	527720.02
P.O.T.	52+50.00	1522533.61	527470.68
P.O.E.	55+34.89	1522512.94	527186.54

SCALE: 1"= 1'

COORDINATE CONTROL SHEET #3

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$TIME$ $FILE$

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R189

R/W REV. NUMBER 8 JANUARY 26, 2015

RIGHT OF WAY PLANS

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

WETHERINGTON BLVD.

DESC.	STATION	Project Coordinates	
		EAST (X)	NORTH (Y)
P.O.B.	45+89.82	1523726.60	528601.65
P.O.T.	46+50.00	1523740.37	528543.07
P.C.	46+87.15	1523748.88	528506.90
P.I.	47+34.90	1523759.81	528460.42
P.T.	47+81.51	1523787.10	528421.25
P.C.	48+88.82	1523848.43	528333.19
P.I.	49+13.82	1523862.72	528312.68
P.T.	49+38.57	1523871.64	528289.32
P.O.E.	50+00.00	1523893.55	528231.93

MT. ZION RD. NO. 2

DESC.	STATION	Project Coordinates	
		EAST (X)	NORTH (Y)
P.O.B.	50+00.00	1523836.57	528350.22
P.O.T.	51+10.00	1523926.76	528413.20
P.C.	52+50.52	1524041.97	528493.65
P.I.	52+97.10	1524080.16	528520.31
P.T.	53+43.65	1524119.93	528544.56
P.C.	54+67.38	1524225.58	528608.97
P.I.	56+01.84	1524340.38	528678.95
P.T.	57+30.08	1524474.81	528681.92
P.C.	57+58.72	1524503.44	528682.56
P.I.	57+85.93	1524530.65	528683.16
P.T.	58+13.09	1524557.76	528680.80
P.C.	58+42.52	1524587.08	528678.25
P.I.	58+52.67	1524597.18	528677.38
P.T.	58+62.39	1524605.65	528671.79
P.I.	58+94.23	1524632.23	528654.25
P.O.E.	60+98.62	1524802.81	528541.65

PEMBROKE DRIVE

DESC.	STATION	Project Coordinates	
		EAST (X)	NORTH (Y)
P.O.B.	50+00.00	1523893.55	528231.93
P.C.	50+76.00	1523920.66	528160.94
P.I.	51+76.00	1523956.34	528067.52
P.O.C.	52+60.00	1523954.46	527981.06
P.T.	52+73.53	1523954.37	527967.53
P.O.E.	53+20.26	1523953.45	527920.81

HEMPSTEADE DRIVE

DESC.	STATION	Project Coordinates	
		EAST (X)	NORTH (Y)
P.O.B.	50+00.00	1525212.18	528611.45
P.C.	50+34.28	1525218.23	528577.71
P.I.	50+71.45	1525224.78	528541.12
P.T.	51+08.25	1525222.21	528504.03
P.I.	52+25.00	1525214.13	528387.56
P.O.E.	56+28.99	1525221.41	528304.42

APPR. RD. 101+50

DESC.	STATION	Project Coordinates	
		EAST (X)	NORTH (Y)
P.O.B.	47+73.21	1525172.19	528834.68
P.O.E.	50+00.00	1525212.18	528611.45

ENT. 49+18 OFF APPR. RD. 101+50

DESC.	STATION	Project Coordinates	
		EAST (X)	NORTH (Y)
P.O.B.	48+44.23	1525229.72	528802.90
P.C.	48+57.10	1525236.53	528791.98
P.I.	48+69.76	1525243.22	528781.23
P.T.	48+82.29	1525247.03	528769.15
P.C.	49+09.67	1525255.25	528743.04
P.I.	49+49.45	1525267.20	528705.09
P.T.	49+69.12	1525228.04	528698.08
P.O.E.	50+00.00	1525197.64	528692.63

GUNPOWDER RD.

DESC.	STATION	Project Coordinates	
		EAST (X)	NORTH (Y)
P.O.B.	39+40.07	1526201.98	530196.36
P.C.	39+57.59	1526213.30	530183.00
P.I.	40+07.59	1526245.64	530144.85
P.T.	40+57.08	1526267.59	530099.92
P.O.T.	41+20.00	1526295.21	530043.39
P.C.	42+50.59	1526352.54	529926.06
P.I.	43+27.13	1526386.14	529857.29
P.T.	44+03.20	1526432.17	529796.13
P.C.	47+81.03	1526659.39	529494.26
P.I.	48+44.24	1526697.40	529443.76
P.T.	49+07.19	1526742.87	529399.86
P.I.	50+00.00	1526809.64	529335.39
P.C.	50+94.25	1526877.44	529269.93
P.I.	51+93.06	1526948.53	529201.29
P.T.	52+89.35	1526988.16	529110.78
P.C.	53+66.95	1527019.28	529039.70
P.I.	53+87.22	1527027.41	529021.13
P.T.	54+07.47	1527037.02	529003.28
P.O.T.	54+25.00	1527045.33	528987.84
P.O.E.	54+78.91	1527070.88	528940.37

UNION BLUFFS DRIVE

DESC.	STATION	Project Coordinates	
		EAST (X)	NORTH (Y)
P.O.B.	43+58.17	1526304.04	529353.37
P.I.	44+49.43	1526230.07	529299.92
P.C.	47+37.99	1526045.53	529078.08
P.I.	48+41.41	1525979.39	528998.57
P.O.C.	48+75.00	1525999.30	528951.94
P.T.	49+28.89	1526006.04	528898.65
P.O.E.	50+00.00	1526024.37	528829.94

BLACKSMITH PLACE

DESC.	STATION	Project Coordinates	
		EAST (X)	NORTH (Y)
P.O.B.	46+05.30	1527372.58	530156.16
P.C.	47+22.35	1527485.16	530124.15
P.O.C.	48+00.00	1527555.39	530091.74
P.I.	48+27.13	1527585.95	530095.49
P.T.	49+20.79	1527636.19	530003.53
P.O.E.	50+00.00	1527674.16	529934.02

DUNCAN DRIVE

DESC.	STATION	Project Coordinates	
		EAST (X)	NORTH (Y)
P.O.B.	50+00.00	1527659.28	529931.16
P.C.	51+34.58	1527691.62	529800.52
P.O.C.	51+50.00	1527695.40	529785.58
P.I.	54+57.14	1527769.12	529487.42
P.T.	57+69.12	1527973.35	529237.75

CHURCHILL DRIVE

DESC.	STATION	Project Coordinates	
		EAST (X)	NORTH (Y)
P.O.B.	48+52.12	1526349.77	529660.65
P.O.T.	49+43.81	1526417.91	529721.99
P.O.E.	50+00.00	1526459.67	529759.60

CARSPEN LANE

DESC.	STATION	Project Coordinates	
		EAST (X)	NORTH (Y)
P.O.B.	50+00.00	1526380.57	529873.71
P.O.T.	50+40.00	1526415.92	529892.42
P.O.E.	51+63.10	1526524.73	529949.99

SCALE: 1"= 1'

COORDINATE CONTROL SHEET #4

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$TIME$ $FILE$

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R190

R/W REV. NUMBER 2 APRIL 22, 2013

RIGHT OF WAY PLANS

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

HAVEN HILL DRIVE

DESC.	STATION	Project Coordinates	
		EAST (X)	NORTH (Y)
P.O.B.	46+14.81	1528106.06	530400.83
P.O.T.	48+50.00	1528145.59	530168.98
P.O.E.	50+00.00	1528170.80	530021.12

NORTH TIBURON DRIVE

DESC.	STATION	Project Coordinates	
		EAST (X)	NORTH (Y)
P.O.B.	41+00.34	1530181.87	530916.23
P.C.	41+26.56	1530155.79	530918.89
P.I	42+10.02	1530072.76	530927.35
P.T.	42+92.41	1529990.58	530912.82
P.C.	45+95.78	1529691.84	530860.02
P.I.	48+40.14	1529451.20	530817.49
P.T.	49+01.86	1529598.05	530622.17
P.O.E.	50+00.00	1529657.02	530543.73

TIBURON DRIVE

DESC.	STATION	Project Coordinates	
		EAST (X)	NORTH (Y)
P.O.E.	50+00.00	1529657.02	530543.73
P.I.	54+56.70	1529657.02	530543.73
P.O.T.	57+38.66	1530101.65	529953.88
P.O.E.	57+66.27	1530118.31	529931.86

HIGHLAND DRIVE

DESC.	STATION	Project Coordinates	
		EAST (X)	NORTH (Y)
P.O.B.	50+00.00	1530070.26	529996.17
P.C.	51+98.24	1530241.15	530096.64
P.I.	54+47.64	1530456.15	530223.03
P.T.	55+90.34	1530583.06	530008.33
P.O.T.	58+00.00	1530689.75	529827.85
P.O.E.	59+10.50	1530745.98	529732.72

FLORENCE BAPTIST APPR.

DESC.	STATION	Project Coordinates	
		EAST (X)	NORTH (Y)
P.O.B.	46+00.70	1529742.98	531226.78
P.C.	46+97.61	1529822.69	531171.65
P.I.	47+96.37	1529903.90	531115.47
P.O.C.	48+00.00	1529884.88	531092.26
P.T.	48+76.54	1529895.34	531017.09
P.O.E.	50+00.00	1529884.62	530894.09

SCALE: 1"= 1'

COORDINATE CONTROL SHEET #5

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$TIME$ $DATE$ $FILE$

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R191

R/W REV. NUMBER 2 APRIL 22, 2013

RIGHT OF WAY PLANS

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

RIGHT OF WAY MONUMENT POINTS

STATION and OFFSET	TYPE	DESCRIPTION	Project Coordinates		State Plane Coordinates	
			NORTH (Y)	EAST (X)	NORTH (Y)	EAST (X)
Mainline KY 536						
5+10.82, 51.19 Left	Type 1		526604.95	1516205.22	526581.63	1516138.07
5+10.84, 58.81 Right	Type 1		526495.04	1516209.50	526471.72	1516142.35
6+04.55, 51.21 Left	Type 1		526604.76	1516303.11	526581.44	1516235.95
7+04.45, 71.21 Left	Type 1		526615.57	1516409.64	526592.25	1516342.48
8+04.34, 51.21 Left	Type 1		526577.70	1516509.81	526554.38	1516442.64
9+03.07, 59.82 Right	Type 1		526445.44	1516578.87	526422.12	1516511.70
10+08.15, 80.74 Left	Type 1		526554.01	1516716.56	526530.69	1516649.38
12+40.51, 39.00 Left	Type 1		526462.47	1516929.74	526439.15	1516862.56
12+97.14, 90.94 Right	Type 1		526324.34	1516962.30	526301.03	1516895.11
14+44.39, 39.00 Left	Type 1		526430.23	1517128.66	526406.91	1517061.47
14+68.87, 39.00 Left	Type 1		526427.04	1517152.93	526403.72	1517085.74
16+03.97, 39.00 Right	Type 1		526332.11	1517276.71	526308.80	1517209.51
16+59.12, 166.73 Left	Type 1		526528.89	1517358.19	526505.57	1517290.99
18+42.92, 336.19 Left	Type 1		526672.96	1517562.51	526649.63	1517495.30
18+50.00, 39.00 Left	Type 1		526377.38	1517530.81	526354.07	1517463.60
18+50.00, 153.16 Left	Type 1		526490.57	1517545.68	526467.25	1517478.47
19+39.66, 39.00 Left	Type 1		526365.70	1517619.71	526342.39	1517552.49
19+39.66, 39.00 Right	Type 1		526288.36	1517609.54	526265.05	1517542.33
21+10, 39.00 Left	Type 1		526371.90	1517775.87	526348.59	1517708.65
21+50, 48.07 Left	Type 1		526389.71	1517809.01	526366.40	1517741.79
21+50, 39.00 Right	Type 1		526306.28	1517833.90	526282.97	1517766.68
21+81.03, 39.00 Right	Type 1		526316.83	1517865.64	526293.52	1517798.41
22+00.00, 55.00 Left	Type 1		526411.18	1517848.96	526387.87	1517781.73

RIGHT OF WAY MONUMENT POINTS

STATION and OFFSET	TYPE	DESCRIPTION	Project Coordinates		State Plane Coordinates	
			NORTH (Y)	EAST (X)	NORTH (Y)	EAST (X)
22+19.53, 39.90 Right	Type 1		526331.81	1517904.38	526308.50	1517837.15
22+54.00, 157.00 Left	Type 1		526525.20	1517853.79	526501.88	1517786.56
22+65.00, 40.50 Right	Type 1		526350.19	1517945.98	526326.88	1517878.75
22+65.00, 100.00 Right	Type 1		526296.08	1517970.74	526272.77	1517903.51
24+75.00, 45.22 Right	Type 1		526393.87	1518148.91	526370.56	1518081.67
25+00.00, 46.64 Right	Type 1		526402.98	1518172.23	526379.67	1518104.99
25+05.00, 50.00 Left	Type 1		526492.94	1518136.56	526469.62	1518069.32
25+44.96, 35.00 Left	Type 1		526495.93	1518179.14	526472.61	1518111.90
25+99.91, 35.00 Left	Type 1		526518.80	1518229.10	526495.48	1518161.86
27+09.86, 39.55 Left	Type 1		526568.29	1518329.57	526544.97	1518262.32
28+64.50, 45.27 Right	Type 1		526533.17	1518501.75	526509.85	1518434.50
29+70.00, 58.59 Left	Type 1		526653.42	1518588.73	526630.09	1518521.47
29+70.00, 50.02 Right	Type 1		526545.57	1518601.52	526522.25	1518534.26
29+90.94, 50.95 Right	Type 1		526546.77	1518621.39	526523.45	1518554.13
30+30.00, 62.18 Left	Type 1		526662.59	1518651.78	526639.26	1518584.52
30+30.00, 51.97 Right	Type 1		526548.63	1518658.41	526525.31	1518591.15
30+89.49, 64.00 Left	Type 1		526667.44	1518711.60	526644.11	1518644.34
30+90.31, 52.00 Right	Type 1		526551.63	1518718.23	526528.31	1518650.97
32+71.21, 64.00 Right	Type 1		526548.70	1518899.50	526525.38	1518832.23
33+75.00, 64.00 Left	Type 1		526681.74	1518996.75	526658.41	1518929.47
35+06.56, 64.00 Right	Type 1		526560.49	1519134.56	526537.17	1519067.28
37+25.00, 102.00 Left	Type 1		526737.22	1519344.41	526713.89	1519277.12
37+73.24, 64.00 Right	Type 1		526573.85	1519400.90	526550.53	1519333.61
38+10.00, 76.00 Left	Type 1		526715.51	1519430.60	526692.18	1519363.30

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$TIME$ $FILE$

SCALE: 1"= 1'

R/W MONUMENT COORDINATE SHEET #1

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R192

R/W REV. NUMBER 2 APRIL 22, 2013

RIGHT OF WAY PLANS

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

RIGHT OF WAY MONUMENT POINTS

STATION and OFFSET	TYPE	DESCRIPTION	Project Coordinates		State Plane Coordinates	
			NORTH (Y)	EAST (X)	NORTH (Y)	EAST (X)
38+87.25, 64.00 Right	Type 1		526579.56	1519514.77	526556.24	1519447.47
39+23.03, 75.60 Left	Type 1		526721.01	1519539.96	526697.68	1519472.66
41+10.05, 57.42 Left	Type 1		526750.96	1519697.01	526727.63	1519629.70
42+53.49, 52.20 Right	Type 1		526752.36	1519875.63	526729.03	1519808.31
42+80.70, 52.00 Left	Type 1		526842.94	1519817.03	526819.61	1519749.72
44+75.00, 52.00 Left	Type 1		526988.03	1519946.27	526964.69	1519878.95
44+94.00, 52.00 Right	Type 1		526933.04	1520036.57	526909.70	1519969.25
45+50.00, 75.00 Right	Type 1		526959.56	1520090.99	526936.22	1520023.67
45+98.00, 126.00 Right	Type 1		526961.48	1520161.00	526938.14	1520093.67
46+50.00, 95.00 Left	Type 1		527147.31	1520030.56	527123.96	1519963.24
47+50.00, 90.00 Right	Type 1		527051.49	1520273.35	527028.15	1520206.02
48+55.00, 65.00 Left	Type 1		527232.99	1520227.44	527209.64	1520160.11
49+00.00, 50.00 Left	Type 1		527256.62	1520268.58	527233.27	1520201.25
49+18.13, 50.00 Right	Type 1		527203.65	1520355.31	527180.30	1520287.97
49+99.56, 50.00 Left	Type 1		527330.96	1520334.80	527307.60	1520267.46
50+00.00, 50.00 Right	Type 1		527264.78	1520409.76	527241.43	1520342.42
50+72.36, 50.00 Right	Type 1		527318.81	1520457.90	527295.46	1520390.56
50+72.36, 50.00 Left	Type 1		527385.33	1520383.22	527361.97	1520315.88
50+75.52, 164.19 Left	Type 3		527463.94	1520300.33	527440.58	1520233.00
52+50.00, 50.00 Left	Type 1		527514.28	1520514.94	527490.92	1520447.60
52+54.67, 63.65 Left	Type 1		527527.83	1520509.81	527504.47	1520442.47
52+65.00, 50.00 Right	Type 1		527447.51	1520590.88	527424.15	1520523.53
52+71.13, 114.16 Left	Type 1		527577.86	1520490.90	527554.49	1520423.56
52+81.07, 90.00 Right	Type 1		527426.29	1520628.04	527402.93	1520560.69

RIGHT OF WAY MONUMENT POINTS

STATION and OFFSET	TYPE	DESCRIPTION	Project Coordinates		State Plane Coordinates	
			NORTH (Y)	EAST (X)	NORTH (Y)	EAST (X)
53+14.83, 57.00 Right	Type 1		527471.93	1520632.53	527448.57	1520565.18
53+38.00, 50.00 Right	Type 1		527490.92	1520646.03	527467.56	1520578.68
54+19.41, 60.50 Left	Type 1		527628.26	1520650.09	527604.89	1520582.74
54+23.32, 69.13 Left	Type 1		527637.73	1520648.85	527614.36	1520581.50
54+84.70, 50.00 Left	Type 1		527654.95	1520713.57	527631.58	1520646.22
56+40.70, 50.00 Right	Type 1		527635.80	1520897.70	527612.43	1520830.34
57+74.37, 50.00 Left	Type 1		527775.84	1520988.34	527752.46	1520920.98
58+05.43, 54.03 Left	Type 1		527788.98	1521018.12	527765.60	1520950.75
58+30.00, 50.00 Right	Type 1		527695.27	1521069.56	527671.90	1521002.19
58+46.43, 59.88 Left	Type 1		527805.77	1521057.92	527782.39	1520990.55
58+58.62, 73.04 Left	Type 1		527821.62	1521067.18	527798.24	1520999.81
59+51.91, 89.17 Left	Type 1		527857.34	1521161.01	527833.96	1521093.64
60+29.13, 90.49 Left	Type 1		527869.90	1521242.61	527846.52	1521175.23
60+64.82, 82.01 Left	Type 1		527865.00	1521281.29	527841.62	1521213.91
62+00.00, 50.00 Right	Type 1		527737.01	1521421.67	527713.64	1521354.29
63+14.62, 50.00 Right	Type 1		527729.48	1521531.59	527706.11	1521464.20
63+48.09, 54.45 Left	Type 1		527829.51	1521576.57	527806.13	1521509.18
67+54.13, 51.24 Left	Type 1		527780.75	1521979.68	527757.37	1521912.27
69+00.00, 50.10 Left	Type 1		527763.25	1522124.50	527739.88	1522057.09
69+54.95, 50.00 Left	Type 1		527756.98	1522179.09	527733.61	1522111.67
69+54.95, 50.00 Right	Type 1		527657.61	1522167.87	527634.24	1522100.45
72+77.25, 50.00 Right	Type 1		527661.45	1522501.69	527638.08	1522434.26
73+75.00, 50.00 Right	Type 1		527678.92	1522601.66	527655.55	1522534.22
75+99.24, 50.00 Left	Type 1		527839.71	1522786.68	527816.33	1522719.24

SCALE: 1"= 1'

R/W MONUMENT COORDINATE SHEET #2

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$TIME$ $FILE$

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R193

R/W REV. NUMBER 2 APRIL 22, 2013

RIGHT OF WAY PLANS

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

RIGHT OF WAY MONUMENT POINTS

STATION and OFFSET	TYPE	DESCRIPTION	Project Coordinates		State Plane Coordinates	
			NORTH (Y)	EAST (X)	NORTH (Y)	EAST (X)
75+99.24, 50.00 Right	Type 1		527746.96	1522824.06	527723.59	1522756.61
81+11.77, 53.19 Right	Type 1		527935.60	1523300.62	527912.22	1523233.15
81+13.35, 50.00 Right	Type 1		527939.15	1523300.90	527915.77	1523233.43
81+81.36, 50.00 Left	Type 1		528057.33	1523326.59	528033.94	1523259.12
82+96.38, 64.18 Left	Type 1		528113.48	1523427.98	528090.09	1523360.51
86+03.91, 115.78 Left	Type 1		528276.29	1523693.91	528252.89	1523626.43
86+44.71, 133.92 Left	Type 1		528308.37	1523724.97	528284.97	1523657.48
86+46.71, 125.00 Left	Type 1		528300.85	1523730.16	528277.45	1523662.67
86+93.71, 93.86 Left	Type 1		528289.54	1523785.40	528266.14	1523717.91
87+20.00, 64.35 Right	Type 1		528152.62	1523868.92	528129.23	1523801.43
88+33.38, 126.06 Left	Type 1		528371.61	1523902.91	528348.21	1523835.42
88+35.00, 66.46 Right	Type 1		528193.65	1523976.37	528170.26	1523908.87
89+44.33, 153.04 Left	Type 1		528438.11	1523995.73	528414.71	1523928.23
90+54.42, 175.72 Left	Type 1		528500.31	1524089.35	528476.90	1524021.85
92+58.48, 214.48 Left	Type 1		528613.11	1524272.56	528589.70	1524205.05
93+24.57, 218.68 Left	Type 1		528640.21	1524337.43	528616.80	1524269.92
93+73.83, 67.69 Right	Type 1		528384.16	1524475.18	528360.76	1524407.66
93+76.76, 216.04 Left	Type 1		528655.10	1524390.88	528631.69	1524323.36
94+26.15, 207.22 Left	Type 1		528662.40	1524443.49	528638.99	1524375.97
94+74.56, 193.09 Left	Type 1		528663.54	1524496.58	528640.13	1524429.06
96+00.00, 90.00 Left	Type 1		528598.37	1524649.58	528574.96	1524582.05
96+85.00, 119.68 Left	Type 1		528647.69	1524727.77	528624.28	1524660.24
98+09.87, 80.27 Left	Type 1		528635.36	1524861.54	528611.95	1524794.00
98+19.81, 118.14 Left	Type 1		528674.47	1524864.56	528651.05	1524797.02

RIGHT OF WAY MONUMENT POINTS

STATION and OFFSET	TYPE	DESCRIPTION	Project Coordinates		State Plane Coordinates	
			NORTH (Y)	EAST (X)	NORTH (Y)	EAST (X)
98+44.40, 56.12 Right	Type 1		528507.56	1524920.44	528484.15	1524852.90
99+43.01, 87.58 Left	Type 1		528665.47	1524994.56	528642.06	1524927.02
100+46.83, 52.34 Right	Type 1		528542.74	1525118.32	528519.33	1525050.77
101+15.37, 50.00 Left	Type 1		528654.78	1525169.68	528631.37	1525102.13
102+50.00, 50.00 Right	Type 1		528581.33	1525320.43	528557.92	1525252.87
106+27.36, 50.00 Left	Type 1		528771.26	1525661.32	528747.84	1525593.75
106+27.36, 50.00 Right	Type 1		528675.62	1525690.55	528652.20	1525622.98
109+50.00, 50.00 Left	Type 1		528865.56	1525969.86	528842.14	1525902.27
109+69.39, 50.00 Right	Type 1		528775.60	1526017.64	528752.18	1525950.05
112+71.67, 49.15 Right	Type 1		528865.86	1526308.09	528842.44	1526240.49
114+30.90, 70.86 Left	Type 1		529040.82	1526398.24	529017.39	1526330.64
115+91.94, 59.38 Left	Type 1		529121.95	1526520.61	529098.52	1526453.00
116+11.66, 58.80 Left	Type 1		529134.37	1526533.81	529110.93	1526466.20
116+27.65, 60.00 Right	Type 1		529063.26	1526630.29	529039.83	1526562.68
116+34.92, 57.67 Left	Type 1		529150.22	1526550.69	529126.78	1526483.08
116+69.32, 59.84 Left	Type 1		529176.48	1526573.02	529153.04	1526505.41
116+75.35, 60.01 Right	Type 1		529097.57	1526663.43	529074.14	1526595.81
117+07.16, 94.98 Left	Type 1		529228.11	1526574.03	529204.67	1526506.42
117+16.36, 82.98 Right	Type 1		529111.12	1526708.44	529087.69	1526640.82
118+26.46, 83.00 Right	Type 1		529190.31	1526784.93	529166.87	1526717.31
118+36.19, 123.53 Right	Type 1		529169.15	1526820.84	529145.71	1526753.22
118+57.46, 89.73 Left	Type 1		529332.59	1526682.20	529309.15	1526614.58
118+66.08, 119.62 Right	Type 1		529193.38	1526838.79	529169.94	1526771.17
118+66.16, 116.12 Left	Type 1		529357.18	1526669.26	529333.73	1526601.64

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$TIME$ $FILE$

SCALE: 1"= 1'

R/W MONUMENT COORDINATE SHEET #3

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R194

R/W REV. NUMBER 2 APRIL 22, 2013

RIGHT OF WAY PLANS

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

RIGHT OF WAY MONUMENT POINTS

STATION and OFFSET	TYPE	DESCRIPTION	Project Coordinates		State Plane Coordinates	
			NORTH (Y)	EAST (X)	NORTH (Y)	EAST (X)
119 + 87.38, 68.52 Right	Type 1		529316.14	1526886.29	529292.70	1526818.66
120 + 14.60, 65.15 Left	Type 1		529428.56	1526809.03	529405.11	1526741.41
120 + 16.54, 60.06 Right	Type 1		529342.98	1526900.46	529319.54	1526832.83
120 + 56.07, 61.00 Left	Type 1		529455.51	1526840.82	529432.06	1526773.20
123 + 38.01, 61.00 Left	Type 1		529658.34	1527036.66	529634.88	1526969.03
123 + 63.29, 59.97 Right	Type 1		529591.32	1527140.48	529567.86	1527072.84
124 + 68.50, 53.60 Right	Type 1		529662.72	1527210.41	529639.26	1527142.77
124 + 95.18, 61.00 Left	Type 1		529769.05	1527160.00	529745.59	1527092.36
124 + 99.36, 50.00 Right	Type 1		529683.81	1527231.22	529660.35	1527163.58
126 + 22.43, 58.61' Left	Type 1		529843.04	1527271.86	529819.57	1527204.22
126 + 58.12, 58.00 Left	Type 1		529861.45	1527304.63	529837.98	1527236.99
129 + 00.00, 58.00' Left	Type 1		529960.87	1527538.49	529937.40	1527470.84
129 + 20.00, 50.00 Right	Type 1		529862.78	1527587.91	529839.31	1527520.25
129 + 70.65, 76.00' Left	Type 1		529997.52	1527606.29	529974.05	1527538.63
130 + 37.26, 64.29 Left	Type 1		529999.89	1527677.65	529976.42	1527609.99
130 + 65.00, 50.00 Right	Type 1		529892.12	1527724.72	529868.65	1527657.06
130 + 65.00, 88.09 Right	Type 3		529854.61	1527731.30	529831.14	1527663.64
131 + 03.77, 65.93 Left	Type 1		530013.00	1527742.88	529989.53	1527675.22
134 + 33.64, 64.82 Left	Type 1		530068.90	1528067.98	530045.42	1528000.30
135 + 01.97, 64.64 Left	Type 1		530080.52	1528135.31	530057.04	1528067.63
135 + 72.01, 64.44 Left	Type 1		530092.43	1528204.33	530068.95	1528136.65
140 + 61.67, 63.10 Left	Type 1		530175.69	1528686.86	530152.21	1528619.15
143 + 00.00, 76.00 Left	Type 1		530229.57	1528919.38	530206.09	1528851.66
143 + 00.07, 64.91 Left	Type 1		530218.66	1528921.37	530195.18	1528853.65

RIGHT OF WAY MONUMENT POINTS

STATION and OFFSET	TYPE	DESCRIPTION	Project Coordinates		State Plane Coordinates	
			NORTH (Y)	EAST (X)	NORTH (Y)	EAST (X)
143 + 56.69, 76.00 Left	Type 1		530239.36	1528975.22	530215.88	1528907.50
143 + 56.69, 50.00 Right	Type 1		530115.26	1528996.98	530091.78	1528929.26
147 + 35.66, 50.00 Right	Type 1		530253.92	1529367.06	530230.44	1529299.32
148 + 88.25, 76.00 Left	Type 1		530443.53	1529416.97	530420.04	1529349.23
148 + 88.25, 70.00 Right	Type 1		530331.13	1529510.16	530307.64	1529442.42
149 + 50.00, 76.00 Left	Type 1		530482.94	1529464.51	530459.44	1529396.77
150 + 50.00, 75.00' Right	Type 1		530430.52	1529637.87	530407.03	1529570.12
150 + 81.15, 98.00' Right	Type 1		530432.69	1529676.53	530409.20	1529608.78
151 + 04.49, 97.66' Left	Type 1		530598.87	1529570.53	530575.37	1529502.79
151 + 92.10, 130.00' Right	Type 1		530467.52	1529775.25	530444.03	1529707.50
152 + 00.00, 100.00' Left	Type 1		530662.78	1529653.46	530639.28	1529585.71
154 + 36.88, 124.79 Left	Type 1		530803.98	1529875.85	530780.47	1529808.09
154 + 42.89, 150.88 Left	Type 3		530830.81	1529873.21	530807.30	1529805.45
154 + 51.03, 130.00' Right	Type 1		530569.44	1529976.38	530545.94	1529908.62
Hathaway Road						
48 + 00.00, 54.89 Left	Type 3		526750.44	1517704.50	526727.11	1517637.28
48 + 00.00, 46.85 Right	Type 3		526664.19	1517758.45	526640.86	1517691.23
48 + 96.83, 38.43 Right	Type 3		526718.32	1517835.46	526694.99	1517768.24
Old Union Road						
45 + 59.80, 25.29 Right	Type 3		526824.96	1517871.65	526801.63	1517804.42
46 + 08.09, 58.07 Left	Type 3		526812.96	1517966.81	526789.63	1517899.58
46 + 33.00, 25.37 Left	Type 3		526777.02	1517946.87	526753.69	1517879.64
46 + 38.97, 24.63 Right	Type 3		526751.47	1517903.47	526728.14	1517836.24
46 + 85.72, 24.78 Left	Type 3		526729.47	1517967.65	526706.14	1517900.42

SCALE: 1"= 1'

R/W MONUMENT COORDINATE SHEET #4

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$TIME$ $FILE$

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R195

R/W REV. NUMBER 1 JANUARY 25, 2013
R/W REV. NUMBER 2 APRIL 22, 2013
R/W REV. NUMBER 4 AUGUST 29, 2013
R/W REV. NUMBER 5 NOVEMBER 13, 2013

RIGHT OF WAY PLANS

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

RIGHT OF WAY MONUMENT POINTS

STATION and OFFSET	TYPE	DESCRIPTION	Project Coordinates		State Plane Coordinates	
			NORTH (Y)	EAST (X)	NORTH (Y)	EAST (X)
47+73.79, 34.96 Right	Type 3		526624.31	1517953.60	526600.99	1517886.37
47+74.18, 29.97 Right	Type 3		526626.20	1517958.23	526602.88	1517891.00
47+74.44, 25.00 Left	Type 3		526650.76	1518007.41	526627.43	1517940.18
48+00.00, 26.05 Left	Type 1		526628.41	1518019.88	526605.09	1517952.65
48+00.00, 39.81 Right	Type 1		526598.72	1517961.09	526575.40	1517893.86
48+55.00, 50.00 Right	Type 1		526545.03	1517976.79	526521.71	1517909.56
48+85.00, 29.54 Left	Type 1		526554.12	1518061.31	526530.80	1517994.08
48+99.91, 35.15 Left	Type 1		526543.34	1518073.05	526520.02	1518005.81
49+40.00, 45.00 Left	Type 1		526512.00	1518099.91	526488.68	1518032.67
50+85.00, 53.80 Left	Type 1		526371.57	1518137.77	526348.26	1518070.53
51+24.18, 48.74 Left	Type 1		526335.37	1518153.60	526312.06	1518086.36
51+29.33, 77.68 Right	Type 1		526265.89	1518047.86	526242.58	1517980.63
51+40.00, 44.00 Right	Type 1		526274.08	1518082.23	526250.77	1518014.99
52+72.23, 36.85 Right	Type 1		526164.53	1518156.42	526141.23	1518089.18
53+50.00, 38.08 Left	Type 3		526137.79	1518260.71	526114.49	1518193.47
53+50.00, 36.92 Right	Type 3		526097.04	1518197.74	526073.74	1518130.50
US 42						
391+65.00, 65.62 Left	Type 1		525660.13	1519235.81	525636.85	1519168.52
391+65.00, 65.62 Right	Type 1		525666.71	1519366.88	525643.43	1519299.59
392+70.00, 68.25 Left	Type 1		525764.87	1519227.92	525741.58	1519160.63
392+70.00 68.51 Right	Type 1		525771.72	1519364.51	525748.43	1519297.22
392+86.00, 85.00 Left	Type 1		525780.01	1519210.39	525756.72	1519143.10
392+86.00, 85.00 Right	Type 1		525788.53	1519380.18	525765.24	1519312.89
393+36.00, 85.00 Left	Type 1		525829.95	1519207.89	525806.66	1519140.60

RIGHT OF WAY MONUMENT POINTS

STATION and OFFSET	TYPE	DESCRIPTION	Project Coordinates		State Plane Coordinates	
			NORTH (Y)	EAST (X)	NORTH (Y)	EAST (X)
393+36.00, 85.00 Right	Type 1		525838.46	1519377.67	525815.17	1519310.38
393+50.00, 70.25 Left	Type 1		525844.67	1519221.92	525821.38	1519154.63
395+00.00, 74.00 Left	Type 1		525994.29	1519210.66	525970.99	1519143.37
395+69.00, 74.00 Right	Type 1		526070.62	1519355.02	526047.32	1519287.73
397+49.00, 86.00 Right	Type 1		526251.00	1519357.99	526227.69	1519290.70
400+00.00, 74.00 Left	Type 1		526493.67	1519185.62	526470.35	1519118.34
400+00.00, 86.00 Right	Type 1		526501.68	1519345.42	526478.36	1519278.13
402+38.40, 75.63 Left	Type 1		526731.69	1519172.05	526708.36	1519104.77
402+54.49, 74.00 Left	Type 1		526747.83	1519172.87	526724.50	1519105.59
404+00.00, 74.00 Right	Type 1		526900.58	1519313.40	526877.24	1519246.11
404+54.48, 74.00 Right	Type 1		526954.99	1519310.67	526931.65	1519243.38
404+69.15, 144.52 Right	Type 1		526973.17	1519380.37	526949.83	1519313.08
405+58.20, 74.20 Left	Type 1		527051.73	1519157.63	527028.39	1519090.35
407+21.65, 91.57 Left	Type 1		527216.65	1519135.31	527193.30	1519068.03
407+24.74, 97.41 Right	Type 1		527223.00	1519324.21	527199.65	1519256.92
407+41.46, 66.23 Left	Type 1		527237.11	1519160.33	527213.76	1519093.05
407+67.85, 103.03 Right	Type 1		527265.53	1519329.25	527242.18	1519261.96
409+17.17, 65.62 Right	Type 1		527413.22	1519291.93	527389.86	1519224.64
410+00.00, 65.62 Right	Type 1		527496.05	1519292.62	527472.69	1519225.33
Harmony						
46+79.01, 73.00 Right	Type 3		527374.36	1519935.16	527351.00	1519867.84
46+79.10, 69.00 Left	Type 3		527408.19	1520073.08	527384.83	1520005.76
47+02.63, 31.00 Left	Type 3		527376.27	1520041.79	527352.91	1519974.47
47+12.71, 31.00 Right	Type 3		527351.67	1519984.00	527328.31	1519916.68

SCALE: 1"= 1'

R/W MONUMENT COORDINATE SHEET #5

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$TIME$ $FILE$

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R196

R/W REV. NUMBER 2 APRIL 22, 2013
R/W REV. NUMBER 4 AUGUST 29, 2013
R/W REV. NUMBER 5 NOVEMBER 13, 2013

RIGHT OF WAY PLANS

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

RIGHT OF WAY MONUMENT POINTS

STATION and OFFSET	TYPE	DESCRIPTION	Project Coordinates		State Plane Coordinates	
			NORTH (Y)	EAST (X)	NORTH (Y)	EAST (X)
47+12.71, 50.00 Right	Type 3		527347.13	1519965.55	527323.77	1519898.23
48+00.00, 31.00 Right	Type 3		527262.42	1520022.97	527239.07	1519955.65
48+50.00, 34.48 Left	Type 3		527264.83	1520104.82	527241.48	1520037.49
48+50.00, 50.00 Right	Type 1		527205.57	1520044.61	527182.22	1519977.29
48+66.80, 45.00 Left	Type 3		527262.67	1520122.34	527239.32	1520055.01
49+00.00, 45.00 Left	Type 1		527240.58	1520147.14	527217.23	1520079.81
52+00.00, 31.00 Left	Type 1		526961.71	1520300.48	526938.37	1520233.15
52+00.00, 31.00 Right	Type 1		526915.41	1520259.24	526892.07	1520191.91
Golden Pond Drive						
50+71.45, 45.00 Left	Type 3		527652.91	1521000.25	527629.54	1520932.88
51+31.78, 23.67 Right	Type 3		527575.88	1520951.46	527552.51	1520884.10
51+65.00, 24.89 Left	Type 3		527546.59	1521001.93	527523.22	1520934.56
51+65.00, 25.11 Right	Type 3		527545.67	1520951.94	527522.30	1520884.58
Sycamore Drive No. 1						
47+04.12, 11.41 Right	Type 3A		528044.41	1521038.03	528021.02	1520970.66
47+04.12, 20.00 Right	Type 3A		528043.23	1521029.52	528019.84	1520962.15
47+10.00, 18.52 Left	Type 3		528042.69	1521068.48	528019.30	1521001.11
47+37.61, 20.00 Right	Type 3		528010.06	1521034.11	527986.67	1520966.74
47+59.83, 17.69 Left	Type 3		527994.06	1521074.85	527970.68	1521007.48
47+63.51, 20.00 Right	Type 3		527983.48	1521038.49	527960.10	1520971.12
48+89.51, 20.00 Right	Type 3		527859.74	1521062.20	527836.36	1520994.83
49+09.98, 18.00 Left	Type 3		527846.78	1521103.37	527823.40	1521036.00
49+22.28, 18.00 Left	Type 1		527835.17	1521105.74	527811.79	1521038.37
49+23.31, 27.41 Left	Type 1		527836.21	1521115.15	527812.83	1521047.78

RIGHT OF WAY MONUMENT POINTS

STATION and OFFSET	TYPE	DESCRIPTION	Project Coordinates		State Plane Coordinates	
			NORTH (Y)	EAST (X)	NORTH (Y)	EAST (X)
Indian Hill Drive						
50+66.12, 25.00 Left	Type 3		527716.51	1521499.44	527693.14	1521432.05
51+00.00, 25.00 Right	Type 3		527686.62	1521446.95	527663.25	1521379.57
52+10.00, 25.00 Left	Type 3		527573.07	1521488.24	527549.70	1521420.85
52+10.00, 25.00 Right	Type 3		527576.96	1521438.40	527553.59	1521371.02
Sycamore Drive No. 2						
47+09.34, 20.00 Left	Type 3		528004.30	1522062.30	527980.91	1521994.89
47+09.49, 9.80 Left	Type 3		528005.52	1522052.18	527982.13	1521984.77
47+10.00, 20.19 Right	Type 3		528009.08	1522022.39	527985.69	1521954.98
47+39.06, 20.00 Left	Type 3		527974.85	1522058.28	527951.47	1521990.87
47+96.07, 20.00 Left	Type 3		527923.72	1522058.63	527900.34	1521991.22
49+15.24, 60.88 Right	Type 3		527793.84	1521996.37	527770.46	1521928.96
49+39.05, 20.00 Left	Type 3		527782.32	1522079.90	527758.94	1522012.49
Russwill Lane						
50+75.00, 25.00 Left	Type 3		527643.40	1522571.25	527620.03	1522503.82
50+82.61, 25.16 Right	Type 3		527639.45	1522520.67	527616.08	1522453.24
52+65.00, 25.00 Left	Type 3		527453.91	1522557.46	527430.55	1522490.03
52+65.00, 24.82 Right	Type 3		527457.52	1522507.78	527434.16	1522440.35
Wetherington Blvd.						
45+88.16, 32.97 Right	Type 3		528595.72	1523694.12	528572.31	1523626.64
46+00.00, 43.43 Left	Type 3		528601.68	1523771.21	528578.27	1523703.72
46+84.52, 39.10 Right	Type 3		528500.51	1523710.22	528477.10	1523642.73
46+89.81, 37.73 Left	Type 3		528513.34	1523786.14	528489.93	1523718.65
47+45.63, 39.26 Left	Type 3		528469.65	1523803.87	528446.24	1523736.38

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$TIME$ $FILE$

SCALE: 1"= 1'

R/W MONUMENT COORDINATE SHEET #6

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R197

R/W REV. NUMBER 2 APRIL 22, 2013
R/W REV. NUMBER 4 AUGUST 29, 2013
R/W REV. NUMBER 5 NOVEMBER 13, 2013

RIGHT OF WAY PLANS

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

RIGHT OF WAY MONUMENT POINTS

STATION and OFFSET	TYPE	DESCRIPTION	Project Coordinates		State Plane Coordinates	
			NORTH (Y)	EAST (X)	NORTH (Y)	EAST (X)
47+54.90, 37.20 Right	Type 3		528425.95	1523740.47	528402.55	1523672.98
48+08.21, 41.15 Left	Type 3		528422.85	1523836.13	528399.45	1523768.64
48+13.72, 35.88 Right	Type 3		528374.31	1523776.07	528350.91	1523708.58
48+38.60, 60.74 Right	Type 1		528339.68	1523769.88	528316.28	1523702.39
Pembroke Drive						
50+90.00, 37.00 Left	Type 3		528160.04	1523960.40	528136.65	1523892.90
51+00.00, 25.00 Right	Type 3		528130.50	1523904.96	528107.11	1523837.47
52+05.95, 37.02 Left	Type 3		528039.12	1523988.05	528015.73	1523920.55
52+53.65, 25.02 Left	Type 3		527987.89	1523979.40	527964.51	1523911.90
52+73.59, 25.03 Left	Type 3		527966.98	1523979.39	527943.60	1523911.89
52+73.59, 24.97 Right	Type 3		527967.96	1523929.40	527944.58	1523861.91
Mt. Zion No. 2						
50+71.61, 29.62 Left	Type 3		528415.51	1523878.33	528392.11	1523810.84
Hempsteade Drive						
50+69.67, 49.23 Left	Type 3		528545.50	1525271.54	528522.09	1525203.99
51+08.25, 52.90 Right	Type 3		528507.70	1525169.44	528484.29	1525101.89
51+58.50, 46.36 Left	Type 3		528450.69	1525264.98	528427.28	1525197.43
51+58.52, 47.04 Right	Type 3		528457.14	1525171.81	528433.73	1525104.26
51+86.99, 47.03 Right	Type 3		528428.74	1525169.84	528405.34	1525102.29
52+45.00, 43.80 Left	Type 3		528371.45	1525259.50	528348.05	1525191.95
52+50.00, 60.93 Right	Type 3		528357.35	1525155.61	528333.95	1525088.06
Union Bluffs Drive						
48+60.01, 24.96 Left	Type 3		528964.83	1526024.87	528941.40	1525957.28
48+60.00, 25.04 Right	Type 3		528969.02	1525975.04	528945.59	1525907.45

RIGHT OF WAY MONUMENT POINTS

STATION and OFFSET	TYPE	DESCRIPTION	Project Coordinates		State Plane Coordinates	
			NORTH (Y)	EAST (X)	NORTH (Y)	EAST (X)
49+28.89, 24.76 Right	Type 3		528892.26	1525982.11	528868.84	1525914.52
Gunpowder Road						
40+14.38, 25.96 Right	Type 1		530123.41	1526224.86	530099.93	1526157.26
40+16.87, 24.01 Left	Type 1		530147.76	1526268.57	530124.28	1526200.97
41+67.09, 26.75 Left	Type 1		530012.82	1526339.92	529989.35	1526272.32
41+67.27, 25.21 Left	Type 1		530011.98	1526338.61	529988.51	1526271.01
41+70.91, 24.74 Right	Type 1		529986.79	1526295.34	529963.32	1526227.74
42+64.25. 25.55 Left	Type 1		529925.45	1526381.40	529901.98	1526313.80
42+85.97, 44.00 Left	Type 1		529915.67	1526407.41	529892.20	1526339.81
43+44.05, 40.00 Left	Type 1		529866.30	1526432.02	529842.83	1526364.41
43+44.13, 42.00 Left	Type 1		529867.31	1526433.75	529843.84	1526366.14
43+44.89, 50.00 Left	Type 1		529871.04	1526440.86	529847.57	1526373.25
43+51.68, 31.59 Right	Type 1		529820.94	1526376.12	529797.47	1526308.52
44+03.21, 40.00 Left	Type 1		529820.19	1526464.13	529796.72	1526396.52
44+22.08, 38.65 Right	Type 1		529757.82	1526412.64	529734.36	1526345.04
44+25.72, 80.00 Right	Type 1		529730.04	1526381.79	529706.58	1526314.19
44+82.49, 40.67 Right	Type 1		529708.34	1526447.36	529684.88	1526379.75
44+86.71, 40.65 Right	Type 1		529704.97	1526449.91	529681.51	1526382.30
45+38.99, 34.98 Left	Type 1		529708.69	1526541.77	529685.23	1526474.16
48+24.24, 32.84 Left	Type 1		529481.60	1526711.43	529458.15	1526643.81
52+20.74, 49.66 Right	Type 3		529145.60	1526914.08	529122.16	1526846.45
52+89.36, 40.00 Left	Type 3		529126.82	1527024.80	529103.38	1526957.17
53+45.62, 36.48 Left	Type 3		529073.87	1527044.14	529050.44	1526976.51
54+25.00, 54.77 Left	Type 3		529013.80	1527093.56	528990.37	1527025.92

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$TIME$ $FILE$

SCALE: 1"= 1'

R/W MONUMENT COORDINATE SHEET #7

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R198

R/W REV. NUMBER 2 APRIL 22, 2013
R/W REV. NUMBER 4 AUGUST 29, 2013
R/W REV. NUMBER 5 NOVEMBER 13, 2013

RIGHT OF WAY PLANS

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

RIGHT OF WAY MONUMENT POINTS

STATION and OFFSET	TYPE	DESCRIPTION	Project Coordinates		State Plane Coordinates	
			NORTH (Y)	EAST (X)	NORTH (Y)	EAST (X)
54+25.00, 18.38 Right	Type 3		528979.13	1527029.14	528955.70	1526961.51
Blacksmith Place						
47+85.00, 24.98 Right	Type 3		530078.09	1527530.08	530054.61	1527462.43
48+94.53, 25.00 Right	Type 3		530011.66	1527601.85	529988.19	1527534.19
49+23.83, 24.98 Left	Type 3		530012.84	1527659.57	529989.37	1527591.91
Duncan Drive						
50+75.00, 25.00 Right	Type 3		529852.35	1527653.03	529828.88	1527585.37
50+89.78, 25.00 Left	Type 1		529850.02	1527705.12	529826.55	1527637.46
51+34.58, 25.00 Left	Type 3		529806.53	1527715.88	529783.06	1527648.22
51+34.58, 25.00 Right	Type 3		529794.52	1527667.35	529771.06	1527599.69
51+55.00, 25.00 Left	Type 3		529787.09	1527720.84	529763.63	1527653.18
51+55.00, 25.00 Right	Type 3		529774.39	1527672.48	529750.93	1527604.82
Haven Hill Drive						
48+40.00, 25.00 Left	Type 3		530183.05	1528168.55	530159.57	1528100.87
48+40.00, 25.00 Right	Type 3		530174.64	1528119.26	530151.16	1528051.58
49+15.34, 25.00 Left	Type 3		530108.77	1528181.21	530085.29	1528113.53
North Tiburon Drive						
41+00.00, 40.00' Left	Type 1		530876.41	1530178.16	530852.90	1530110.39
41+00.00, 56.66' Right	Type 3		530972.57	1530187.95	530949.05	1530120.18
43+00.00, 36.00' Left	Type 1		530876.05	1529989.37	530852.54	1529921.61
43+48.11, 85.32' Right	Type 3		530987.14	1529920.88	530963.62	1529853.12
44+09.88, 36.00' Left	Type 3		530856.93	1529881.17	530833.42	1529813.41
44+40.00 36.00' Right	Type 4		530922.58	1529838.97	530899.07	1529771.21
45+92.00, 36.00' Left	Type 3		530825.23	1529701.82	530801.72	1529634.07

RIGHT OF WAY MONUMENT POINTS

STATION and OFFSET	TYPE	DESCRIPTION	Project Coordinates		State Plane Coordinates	
			NORTH (Y)	EAST (X)	NORTH (Y)	EAST (X)
45+95.78, 36.00' Right	Type 3		530895.47	1529685.57	530871.96	1529617.82
47+65.00, 40.00' Left	Type 3		530741.41	1529611.86	530717.90	1529544.11
49+01.86, 36.00' Right	Type 3		530600.54	1529569.27	530577.04	1529501.53
Highland Drive						
50+34.85, 40.11 Right	Type 3		529979.25	1530120.63	529955.78	1530052.86
50+37.89, 65.00 Right	Type 3		529959.34	1530135.86	529935.87	1530068.09
50+43.38, 50.00 Left	Type 3		530061.26	1530082.32	530037.79	1530014.55
51+55.61, 50.00 Left	Type 3		530118.13	1530179.06	530094.65	1530111.29
51+98.24, 45.00 Left	Type 3		530135.43	1530218.35	530111.95	1530150.58
52+49.79, 35.46 Right	Type 3		530084.41	1530299.29	530060.93	1530231.51
54+71.55, 37.11 Right	Type 3		530061.29	1530481.26	530037.81	1530413.47
54+86.12, 45.00 Left	Type 3		530121.20	1530539.27	530097.72	1530471.48
55+80.45, 90.30 Left	Type 3		530065.73	1530653.72	530042.25	1530585.93
56+15.66, 52.22 Right	Type 3		529959.96	1530550.99	529936.49	1530483.20
56+89.39, 98.80 Right	Type 3		529872.79	1530548.41	529849.32	1530480.62
58+00.00, 73.82 Left	Type 3		529865.41	1530753.30	529841.94	1530685.50
58+00.00, 97.10 Right	Type 3		529778.44	1530606.17	529754.98	1530538.38

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME:

$TIME$ $FILE$

SCALE: 1"= 1'

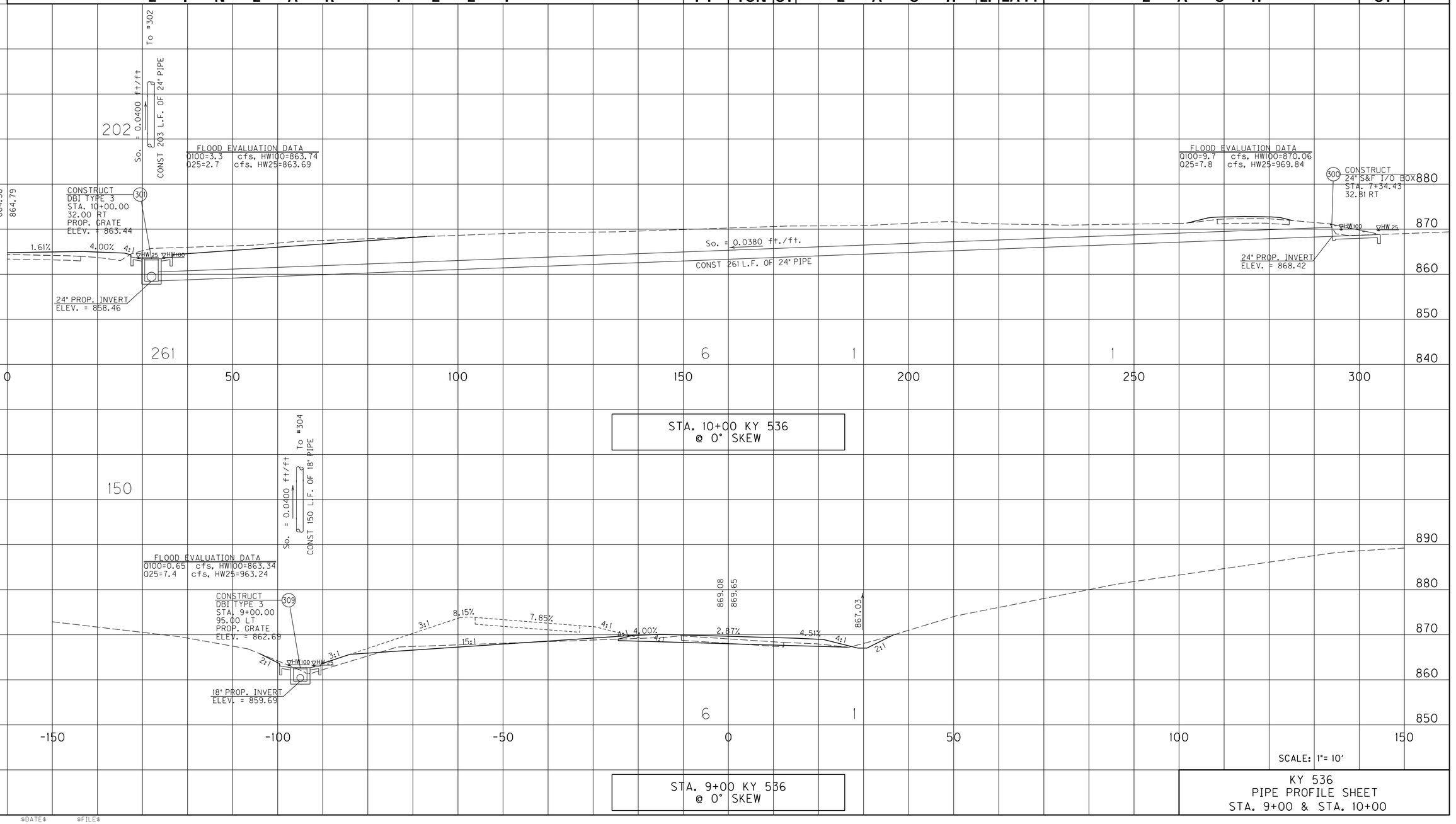
R/W MONUMENT COORDINATE SHEET #8

PIPE DRAINAGE SHEET 1 of 100

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R214

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

STORM SEWER PIPE												CULVERT PIPE				CHANNEL LINING													S&F Box Inlet-Outlet				MANHOLE TYPE				
12	15	18	24	30	36	42	48	54	60	66	72 Equiv.	18	24	30	MAX. COVER HEIGHT	CLASS II	CLASS III	TURF REINF. MAT TYPE 3	CBI TYPE A	DBI TYPE 1	DBI TYPE 3	DBI TYPE 4	DBI TYPE 11	DBI TYPE 13	DBI TYPE 15	DBI TYPE 16	SLOTTED DRAIN PIPE 12"	STANDARD HEADWALLS	18	24	30	36	A	B	C	DITCH EXCAVATION	
LINEAR FEET															FT	TON		CY	EACH								LF	EA/TY	EACH						CY	



SCALE: 1"= 10'

KY 536
PIPE PROFILE SHEET
STA. 9+00 & STA. 10+00

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME: R21400PD

$TIME$ $DATE$ $FILE$

PIPE DRAINAGE SHEET 2 of 100

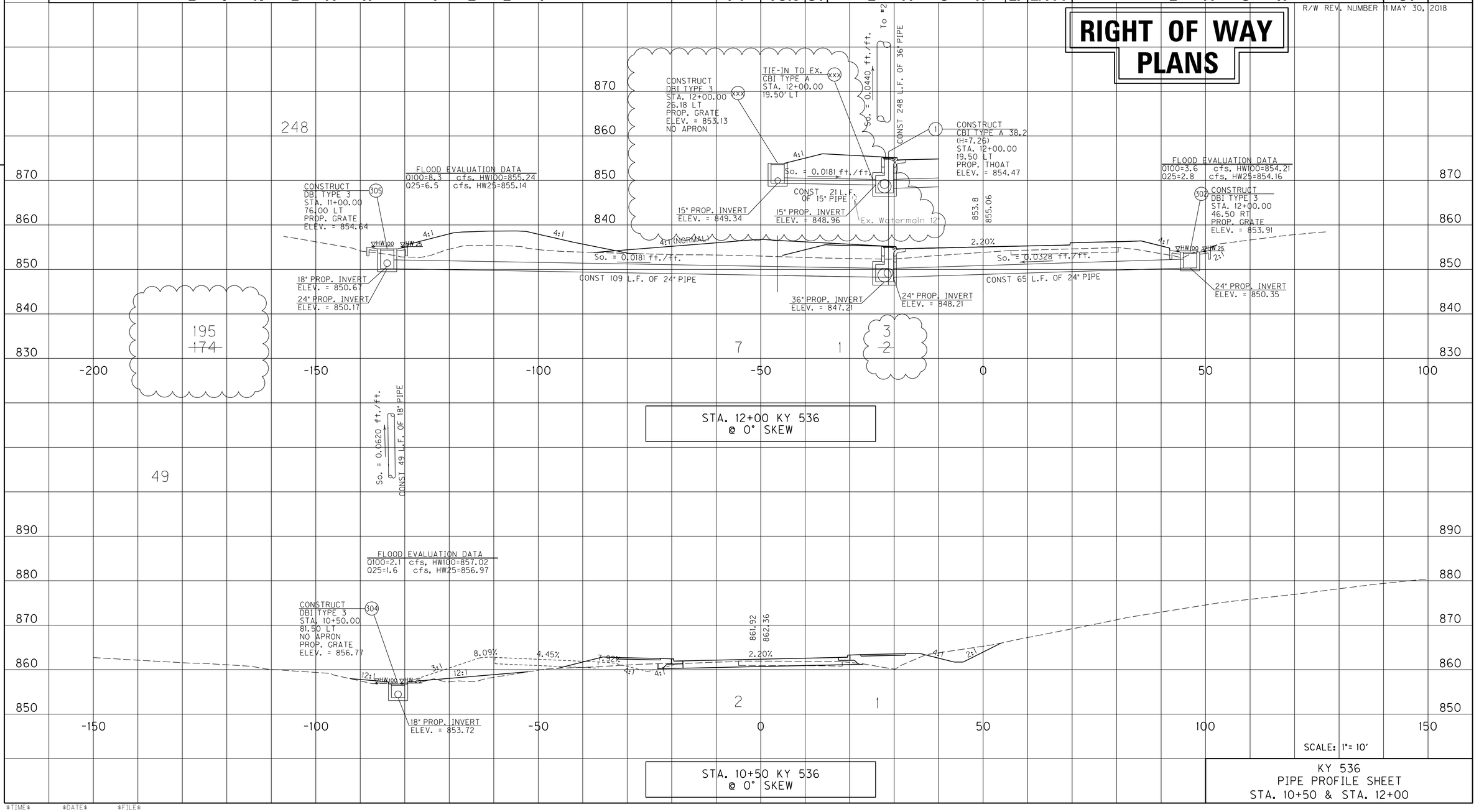
COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R215

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

STORM SEWER PIPE (LINEAR FEET)												CULVERT PIPE (LINEAR FEET)			MAX. COVER HEIGHT	CHANNEL LINING		TURF REINF. MAT TYPE 3	CBI TYPE A	DBI TYPE 1	DBI TYPE 3	DBI TYPE 4	DBI TYPE 11	DBI TYPE 13	DBI TYPE 15	DBI TYPE 16	SLOTTED DRAIN PIPE 12"	STANDARD HEADWALLS	S&F Box Inlet-Outlet				MANHOLE TYPE			DITCH EXCAVATION
12	15	18	24	30	36	42	48	54	60	66	72 Equiv.	18	24	30	FT	CLASS II	CLASS III	CY	EACH									LF	EA/TY	18	24	30	36	A	B	C	CY

R/W REV. NUMBER 1 MAY 30, 2018

RIGHT OF WAY PLANS



KY 536
PIPE PROFILE SHEET
STA. 10+50 & STA. 12+00

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME: R21500PD

$TIME$ $DATE$ $FILE$

PIPE DRAINAGE SHEET 3 of 100

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R216

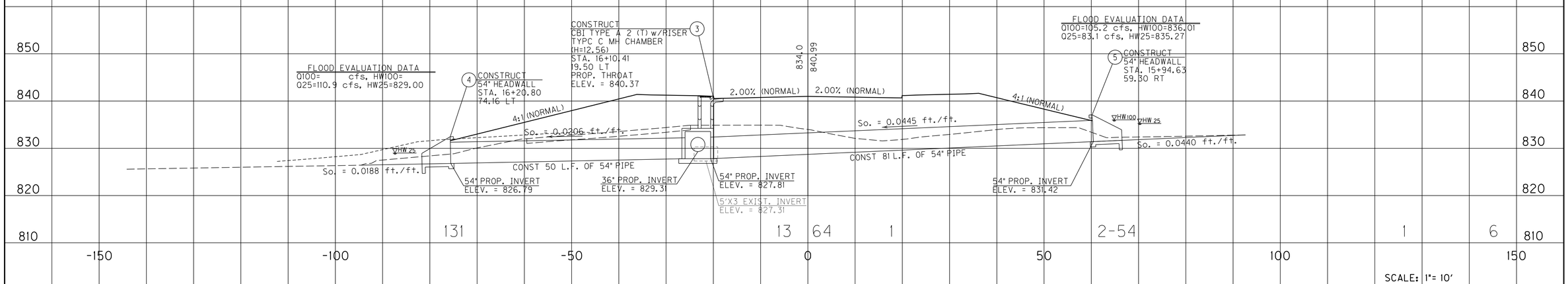
PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

| STORM SEWER PIPE | | | | | | | | | | | | | CULVERT PIPE | | | | CHANNEL LINING | | | | | | | | | | | | |

PIPE DRAINAGE SHEET 4 of 100

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R217

STORM SEWER PIPE												CULVERT PIPE				CHANNEL LINING																						
12	15	18	24	30	36	42	48	54	60	66	72 Equiv.	18	24	30	MAX. COVER HEIGHT	CLASS II	CLASS III	TURF REINF. MAT TYPE 3	CBI TYPE A	DBI TYPE 1	DBI TYPE 3	DBI TYPE 4	DBI TYPE 11	DBI TYPE 13	DBI TYPE 15	DBI TYPE 16	SLOTTED DRAIN PIPE 12"	STANDARD HEADWALLS	S&F Box Inlet-Outlet				MANHOLE TYPE			DITCH EXCAVATION	
LINEAR FEET															FT	TON		CY	EACH								LF	EA/TY	EACH							CY	



SCALE: 1"= 10'

STA. 16+06.26 KY 536
@ 11°05'32" SKEW RT.

KY 536
PIPE PROFILE SHEET
STA. 16+06.26

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME: R2170OPD

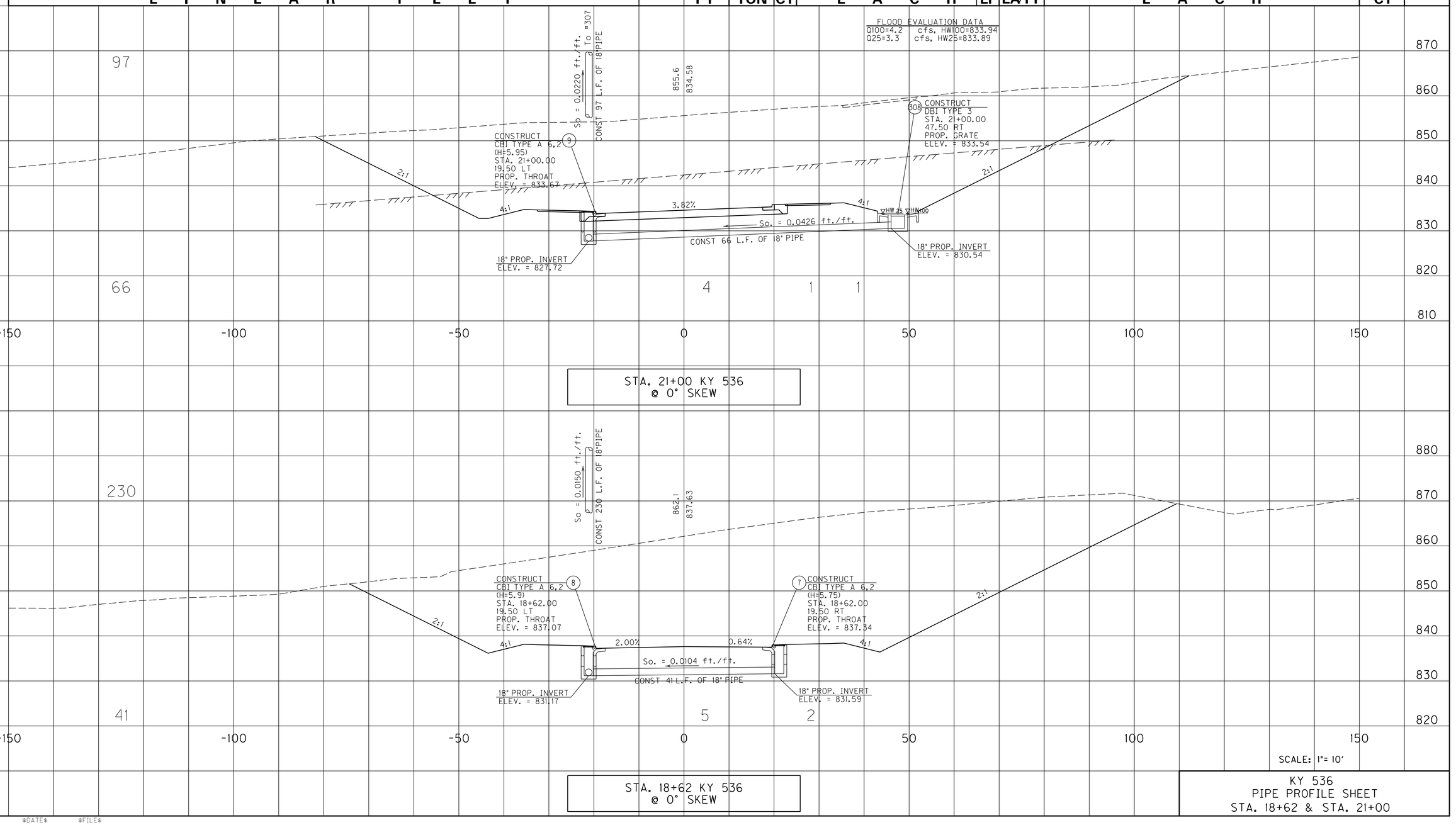
$TIME$ $DATE$ $FILE$

PIPE DRAINAGE SHEET 5 of 100

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R218

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

STORM SEWER PIPE												CULVERT PIPE				CHANNEL LINING													S&F Box Inlet-Outlet				MANHOLE TYPE				
12	15	18	24	30	36	42	48	54	60	66	72 Equiv.	18	24	30	MAX. COVER HEIGHT	CLASS II	CLASS III	TURF REINF. MAT TYPE 3	CBI TYPE A	DBI TYPE 1	DBI TYPE 3	DBI TYPE 4	DBI TYPE 11	DBI TYPE 13	DBI TYPE 15	DBI TYPE 16	SLOTTED DRAIN PIPE 12"	STANDARD HEADWALLS	18	24	30	36	A	B	C	DITCH EXCAVATION
LINEAR FEET															FT	TON		CY	EACH								LF	EA/TY	EACH							CY
		97													4			1			1															



		230													5			2																		
		41																																		

SCALE: 1"= 10'

KY 536
PIPE PROFILE SHEET
STA. 18+62 & STA. 21+00

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME: R218OOPD

$TIME$ $DATE$ $FILE$

PIPE DRAINAGE SHEET 6 of 100

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	219

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

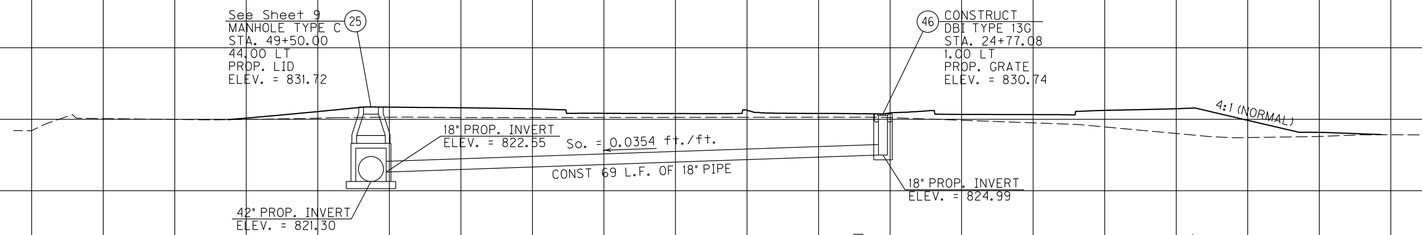
| STORM SEWER PIPE | | | | | | | | | | | | | CULVERT PIPE | | | | CHANNEL LINING | | | | | | | | | | | | |

PIPE DRAINAGE SHEET 7 of 100

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R220

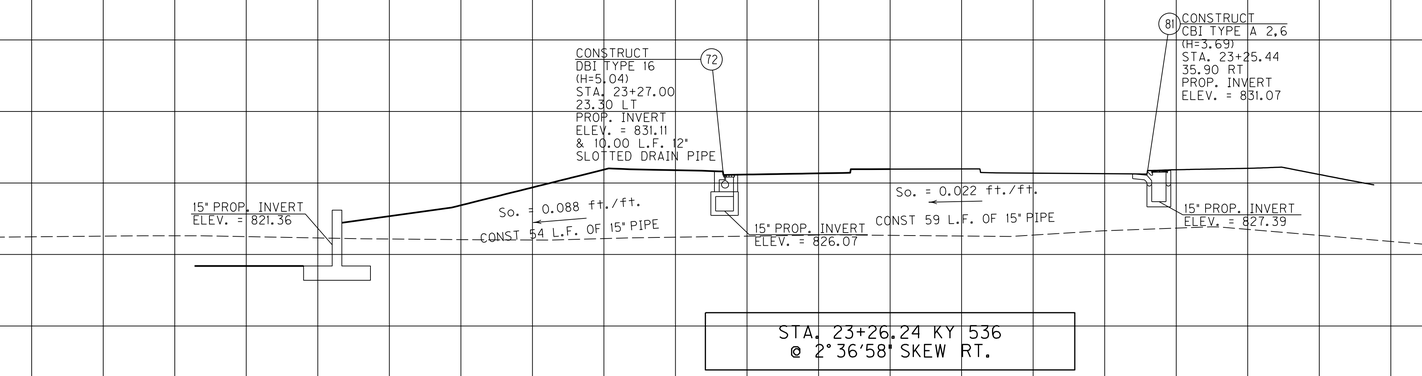
PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

STORM SEWER PIPE												CULVERT PIPE			MAX. COVER HEIGHT	CHANNEL LINING		TURF REINF. MAT TYPE 3	CBI TYPE A	DBI TYPE 1	DBI TYPE 3	DBI TYPE 4	DBI TYPE 11	DBI TYPE 13	DBI TYPE 15	DBI TYPE 16	SLOTTED DRAIN PIPE 12"	STANDARD HEADWALLS	S&F Box Inlet-Outlet				MANHOLE TYPE			DITCH EXCAVATION
12	15	18	24	30	36	42	48	54	60	66	72 Equiv.	18	24	30		CLASS II	CLASS III												18	24	30	36	A	B	C	
LINEAR FEET															FT	TON	CY	EACH									LF	EA/TY	EACH							CY
		69													7								1													



STA. 24+77.08 KY 536
@ 0° SKEW

		113													6		1					1	10												



STA. 23+26.24 KY 536
@ 2°36'58" SKEW RT.

SCALE: 1"= 10'

KY 536
PIPE PROFILE SHEET
STA. 23+24.97 & STA. 24+77.08

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME: R22000PD

$TIME$ $DATE$ $FILE$

PIPE DRAINAGE SHEET 8 of 100

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R221

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

STORM SEWER PIPE (LINEAR FEET)													CULVERT PIPE			MAX. COVER HEIGHT	CHANNEL LINING		TURF REINF. MAT TYPE 3	CBI TYPE A	DBI TYPE 1	DBI TYPE 3	DBI TYPE 4	DBI TYPE 11	DBI TYPE 13	DBI TYPE 15	DBI TYPE 16	SLOTTED DRAIN PIPE 12"	STANDARD HEADWALLS	S&F Box Inlet-Outlet				MANHOLE TYPE			DITCH EXCAVATION
12	15	18	24	30	36	42	48	54	60	66	72 Equiv.		18	24	30		CLASS II	CLASS III												18	24	30	36	A	B	C	
LINEAR FEET																FT	TON		CY	EACH								LF	EA/TY	EACH							CY
	45															7													1-15								

FLOOD EVALUATION DATA
Q100=1.5 cfs, HW100=825.54
Q25=1.3 cfs, HW25=825.49

(238) See Sheet 78
DBI TYPE 15
STA. 47+09.75
35.00 LT
PROP. GRATE
ELEV. = 825.24

▽HW100 ▽HW25

So. = 0.035 ft./ft.

So. = 0.016 ft./ft.

So. = 0.108 ft./ft.

FLOOD EVALUATION DATA
Q100=8.63 cfs, HW100=828.26
Q25=7.88 cfs, HW25=827.91

So. = 0.009 ft./ft.

(284) CONSTRUCT
15" HDWL
STA. 49+03.39
44.52 LT

▽HW25 ▽HW100

2:1

15" PROP. INVERT
ELEV. = 825.50

So = 0.060 ft/ft

CONSTRUCT 45 LF OF 15" PIPE

See Sheet 9
MANHOLE TYPE C
STA. 49+50.00
44.00 LT
PROP. LID
ELEV. = 831.72

(25)

15" PROP. INVERT
ELEV. = 822.80

18" PROP. INVERT
ELEV. = 822.55

42" PROP. INVERT
ELEV. = 821.30

-150 -100 -50 0 50 100 150

UNION BAPTIST
DETENTION SYSTEM

STORM SEWER PIPE (LINEAR FEET)													CULVERT PIPE			MAX. COVER HEIGHT	CHANNEL LINING		TURF REINF. MAT TYPE 3	CBI TYPE A	DBI TYPE 1	DBI TYPE 3	DBI TYPE 4	DBI TYPE 11	DBI TYPE 13	DBI TYPE 15	DBI TYPE 16	SLOTTED DRAIN PIPE 12"	STANDARD HEADWALLS	S&F Box Inlet-Outlet				MANHOLE TYPE			DITCH EXCAVATION
12	15	18	24	30	36	42	48	54	60	66	72 Equiv.		18	24	30		CLASS II	CLASS III												18	24	30	36	A	B	C	
LINEAR FEET																FT	TON		CY	EACH								LF	EA/TY	EACH							CY
	15															2								1					1-15								2

DBI TYPE 13S
STA. 48+80.62
66.57 LT
PROP. GRATE
ELEV. = 829.31

(283)

So = 0.015 ft/ft
CONSTRUCT 15 LF
OF 15" PIPE

(119) CONSTRUCT
15" HDWL
STA. 48+78.92
51.66 LT

825.6
830.18

2:1

2:1

2.8%

15" PROP. INVERT
ELEV. = 825.88

15" PROP. INVERT
ELEV. = 825.66

-150 -100 -50 0 50 100 150

SCALE: 1"= 10'

STA. 48+80.62 OLD UNION RD
@ 6°31'05" SKEW RT

UNION BAPTIST DETENTION POND
PIPE PROFILE SHEET
STA. 47+09.75 to STA. 49+50

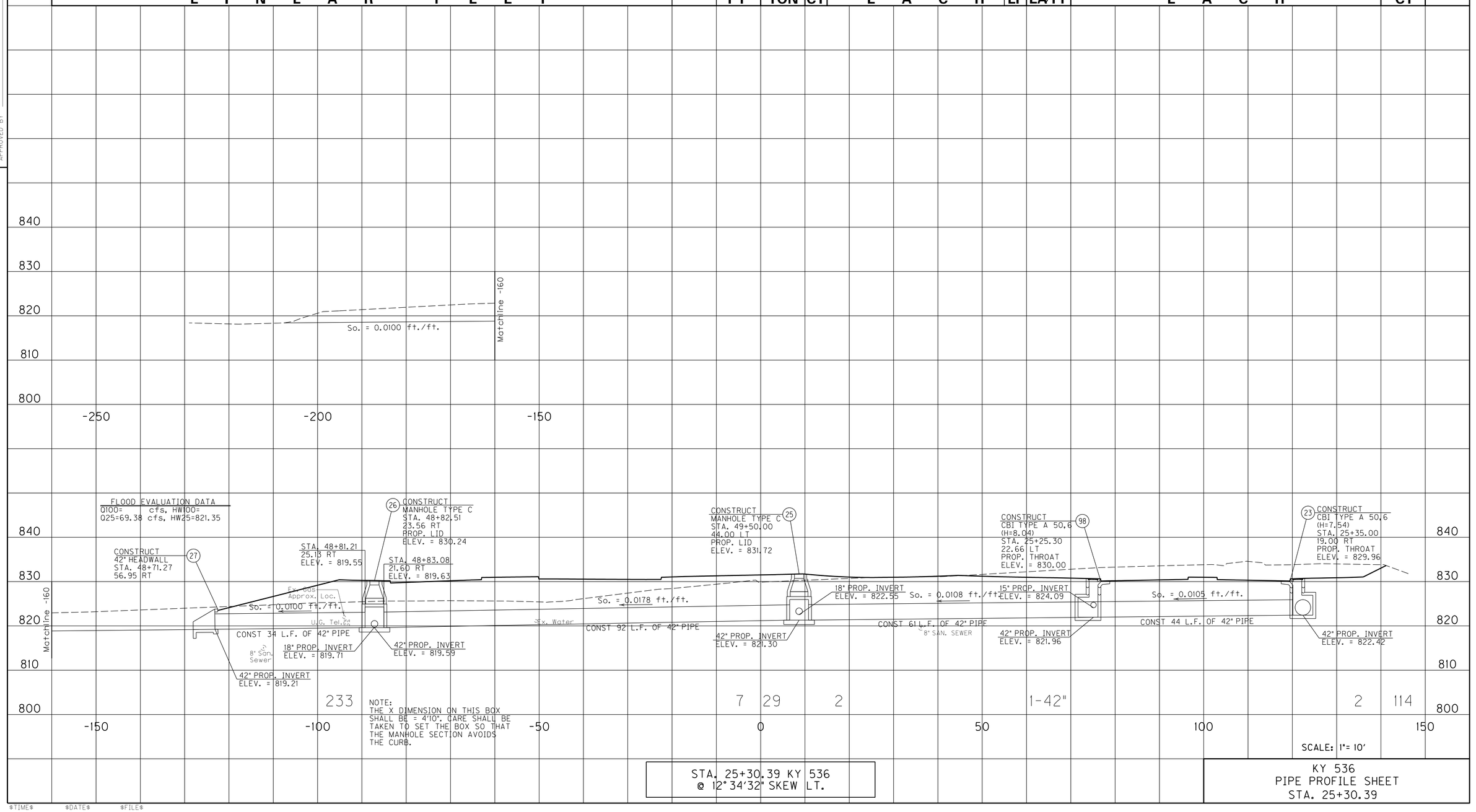
USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME: R22100PD

PIPE DRAINAGE SHEET 9 of 100

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R222

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

STORM SEWER PIPE (LINEAR FEET)												CULVERT PIPE (LINEAR FEET)			MAX. COVER HEIGHT	CHANNEL LINING		TURF REINF. MAT TYPE 3	CBI TYPE A	DBI TYPE 1	DBI TYPE 3	DBI TYPE 4	DBI TYPE 11	DBI TYPE 13	DBI TYPE 15	DBI TYPE 16	SLOTTED DRAIN PIPE 12"	STANDARD HEADWALLS	S&F Box Inlet-Outlet				MANHOLE TYPE			DITCH EXCAVATION
12	15	18	24	30	36	42	48	54	60	66	72 Equiv.	18	24	30		CLASS II	CLASS III													18	24	30	36	A	B	C	
															FT	TON		CY	EACH								LF	EA/TY	EACH							CY



233 7 29 2 1-42" 2 114

STA. 25+30.39 KY 536
@ 12°34'32" SKEW LT.

KY 536
PIPE PROFILE SHEET
STA. 25+30.39

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME: R2220PD

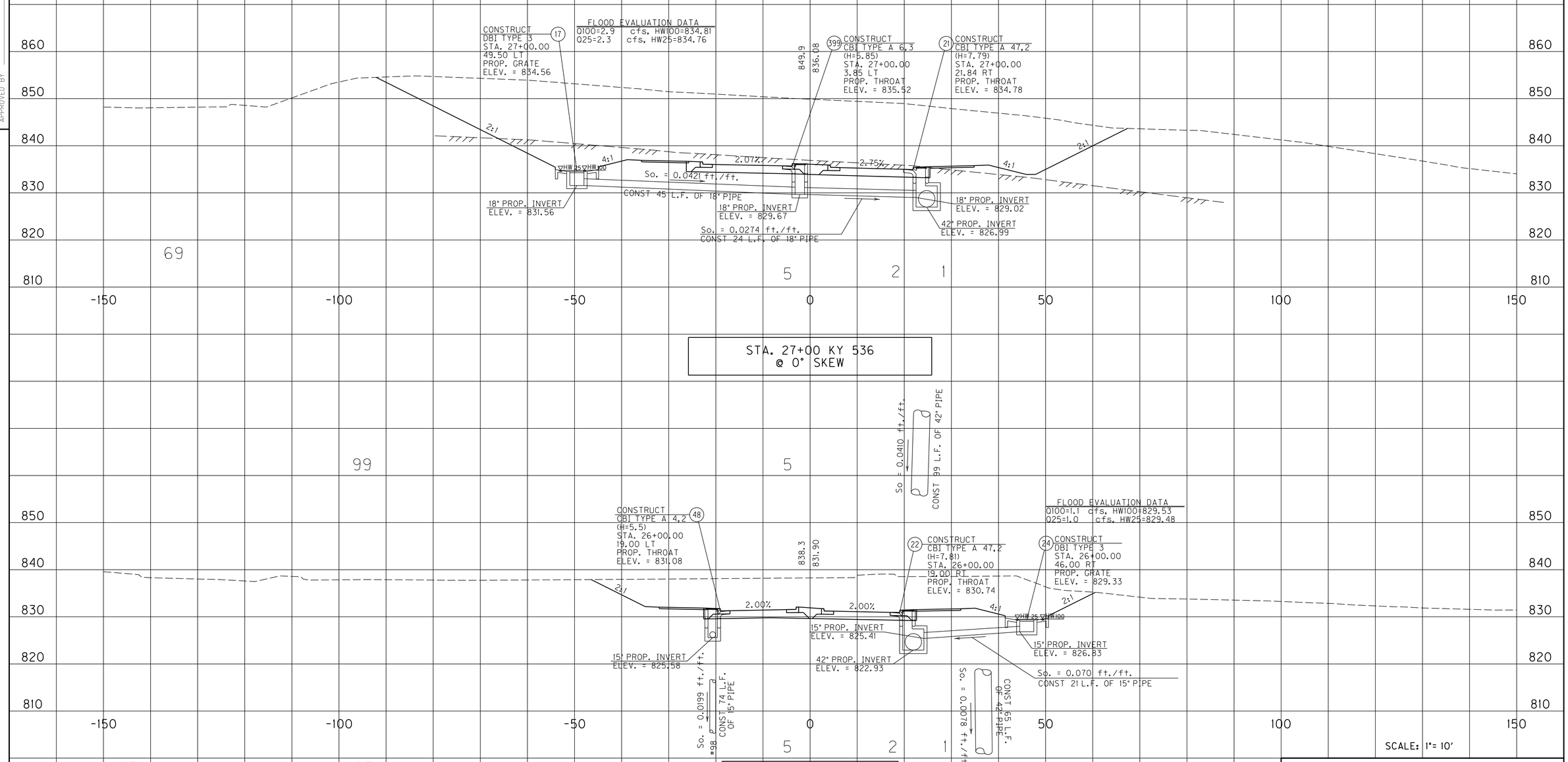
$TIME$ $DATE$ $FILE$

PIPE DRAINAGE SHEET 10 of 100

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R223

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

STORM SEWER PIPE												CULVERT PIPE				CHANNEL LINING													S&F Box Inlet-Outlet				MANHOLE TYPE				
12	15	18	24	30	36	42	48	54	60	66	72 Equiv.	18	24	30	MAX. COVER HEIGHT	CLASS II	CLASS III	TURF REINF. MAT TYPE 3	CBI TYPE A	DBI TYPE 1	DBI TYPE 3	DBI TYPE 4	DBI TYPE 11	DBI TYPE 13	DBI TYPE 15	DBI TYPE 16	SLOTTED DRAIN PIPE 12"	STANDARD HEADWALLS	18	24	30	36	A	B	C	DITCH EXCAVATION
LINEAR FEET															FT	TON		CY	EACH								LF	EA/TY	EACH							CY
		69																5		2	1																
						99												5																		
																		5		2	1																
		95				65																															



SCALE: 1"= 10'

KY 536
PIPE PROFILE SHEET
STA. 26+00 & STA. 27+00

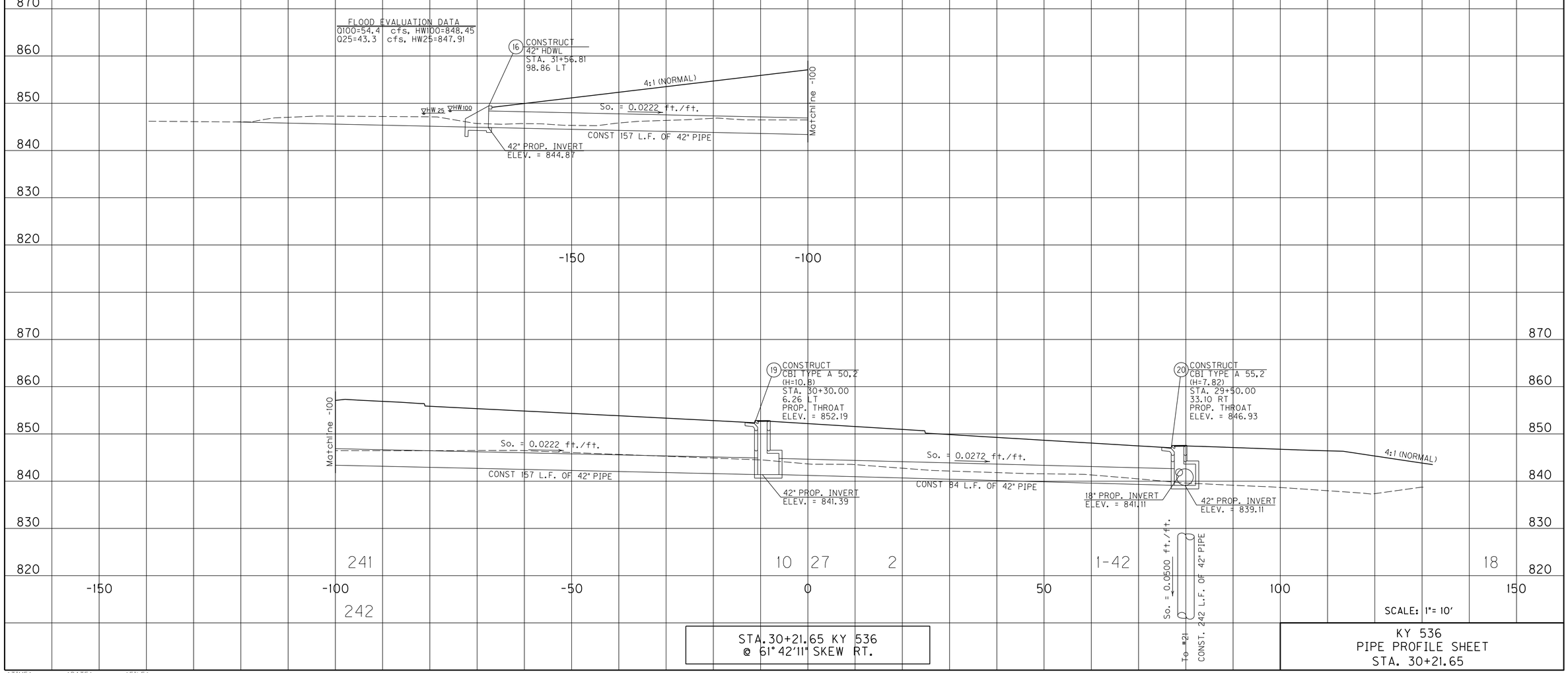
USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME: R22300PD

$TIME$ $DATE$ $FILE$

PIPE DRAINAGE SHEET 11 of 100

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R224

STORM SEWER PIPE												CULVERT PIPE				CHANNEL LINING																				
12	15	18	24	30	36	42	48	54	60	66	72 Equiv.	18	24	30	MAX. COVER HEIGHT	CLASS II	CLASS III	TURF REINF. MAT TYPE 3	CBI TYPE A	DBI TYPE 1	DBI TYPE 3	DBI TYPE 4	DBI TYPE 11	DBI TYPE 13	DBI TYPE 15	DBI TYPE 16	SLOTTED DRAIN PIPE 12"	STANDARD HEADWALLS	S&F Box Inlet-Outlet				MANHOLE TYPE			DITCH EXCAVATION
LINEAR FEET															FT	TON		CY	EACH								LF	EA/TY	EACH							CY



STA.30+21.65 KY 536
@ 61°42'11" SKEW RT.

KY 536
PIPE PROFILE SHEET
STA. 30+21.65

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME: R22400PD

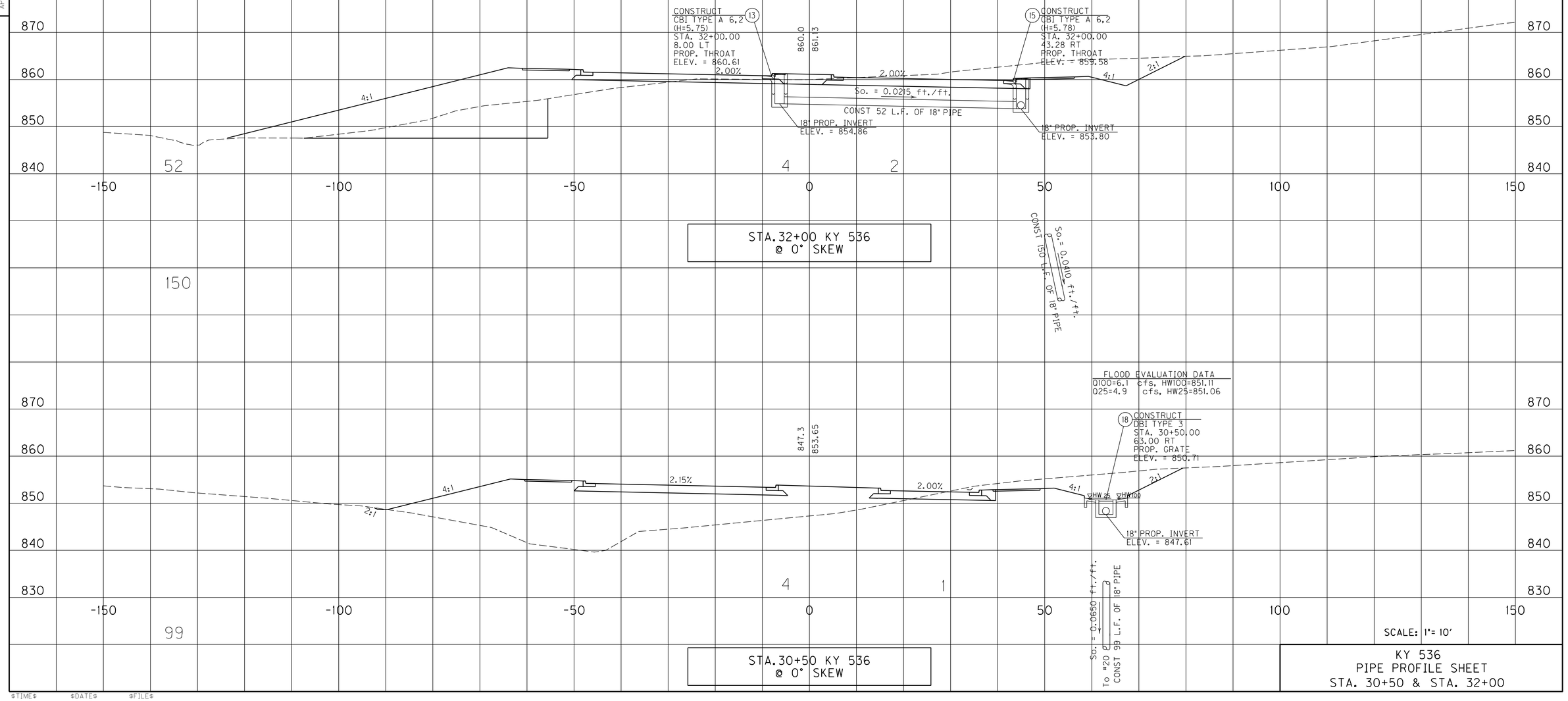
$TIME$ $DATE$ $FILE$

PIPE DRAINAGE SHEET 12 of 100

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R225

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

STORM SEWER PIPE												CULVERT PIPE				CHANNEL LINING													S&F Box Inlet-Outlet				MANHOLE TYPE				
12	15	18	24	30	36	42	48	54	60	66	72 Equiv.	18	24	30	MAX. COVER HEIGHT	CLASS II	CLASS III	TURF REINF. MAT TYPE 3	CBI TYPE A	DBI TYPE 1	DBI TYPE 3	DBI TYPE 4	DBI TYPE 11	DBI TYPE 13	DBI TYPE 15	DBI TYPE 16	SLOTTED DRAIN PIPE 12"	STANDARD HEADWALLS	18	24	30	36	A	B	C	DITCH EXCAVATION	
LINEAR FEET															FT	TON		CY	EACH								LF	EA/TY	EACH						CY	
		52																																		
		150																																		
		99																																		



SCALE: 1"= 10'

KY 536
PIPE PROFILE SHEET
STA. 30+50 & STA. 32+00

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME: R22500PD

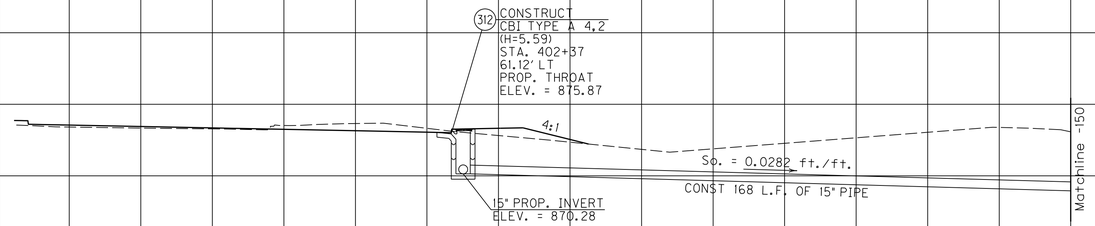
$TIME$ $DATE$ $FILE$

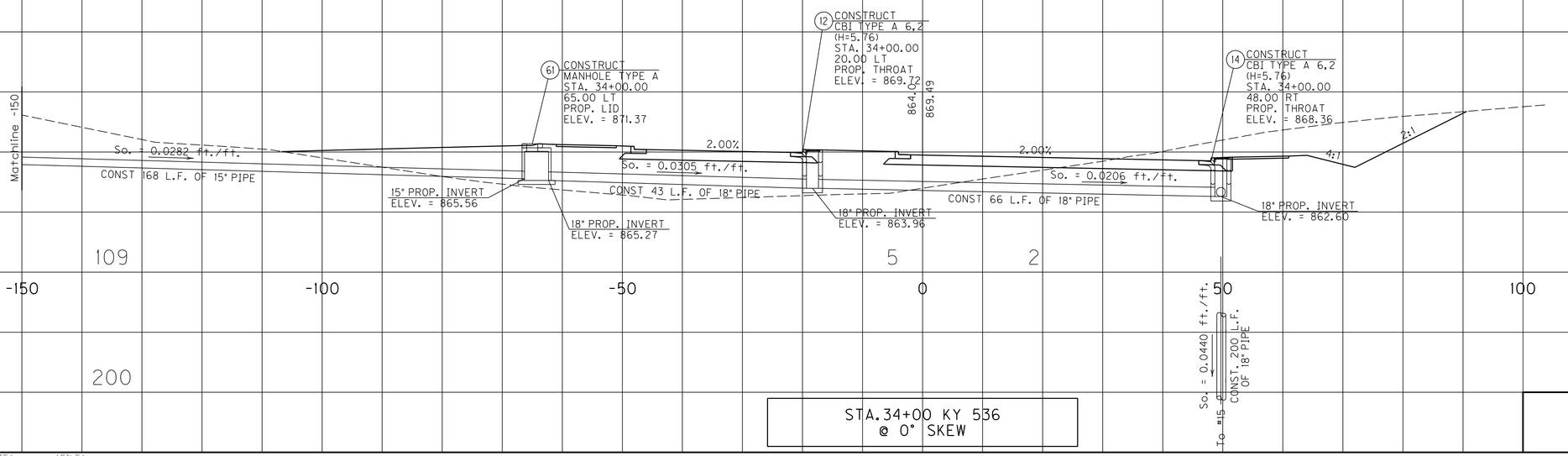
PIPE DRAINAGE SHEET 13 of 100

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R226

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

STORM SEWER PIPE												CULVERT PIPE				CHANNEL LINING												S&F Box Inlet-Outlet				MANHOLE TYPE				
12	15	18	24	30	36	42	48	54	60	66	72 Equiv.	18	24	30	MAX. COVER HEIGHT	CLASS II	CLASS III	TURF REINF. MAT TYPE 3	CBI TYPE A	DBI TYPE 1	DBI TYPE 3	DBI TYPE 4	DBI TYPE 11	DBI TYPE 13	DBI TYPE 15	DBI TYPE 16	SLOTTED DRAIN PIPE 12"	STANDARD HEADWALLS	18	24	30	36	A	B	C	DITCH EXCAVATION	
LINEAR FEET															FT	TON		CY	EACH								LF	EA/TY	EACH							CY	
	168					109					200				7			1																			





STA.34+00 KY 536
@ 0° SKEW

SCALE: 1"= 10'

KY 536
PIPE PROFILE SHEET
STA. 34+00

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME: R22600PD

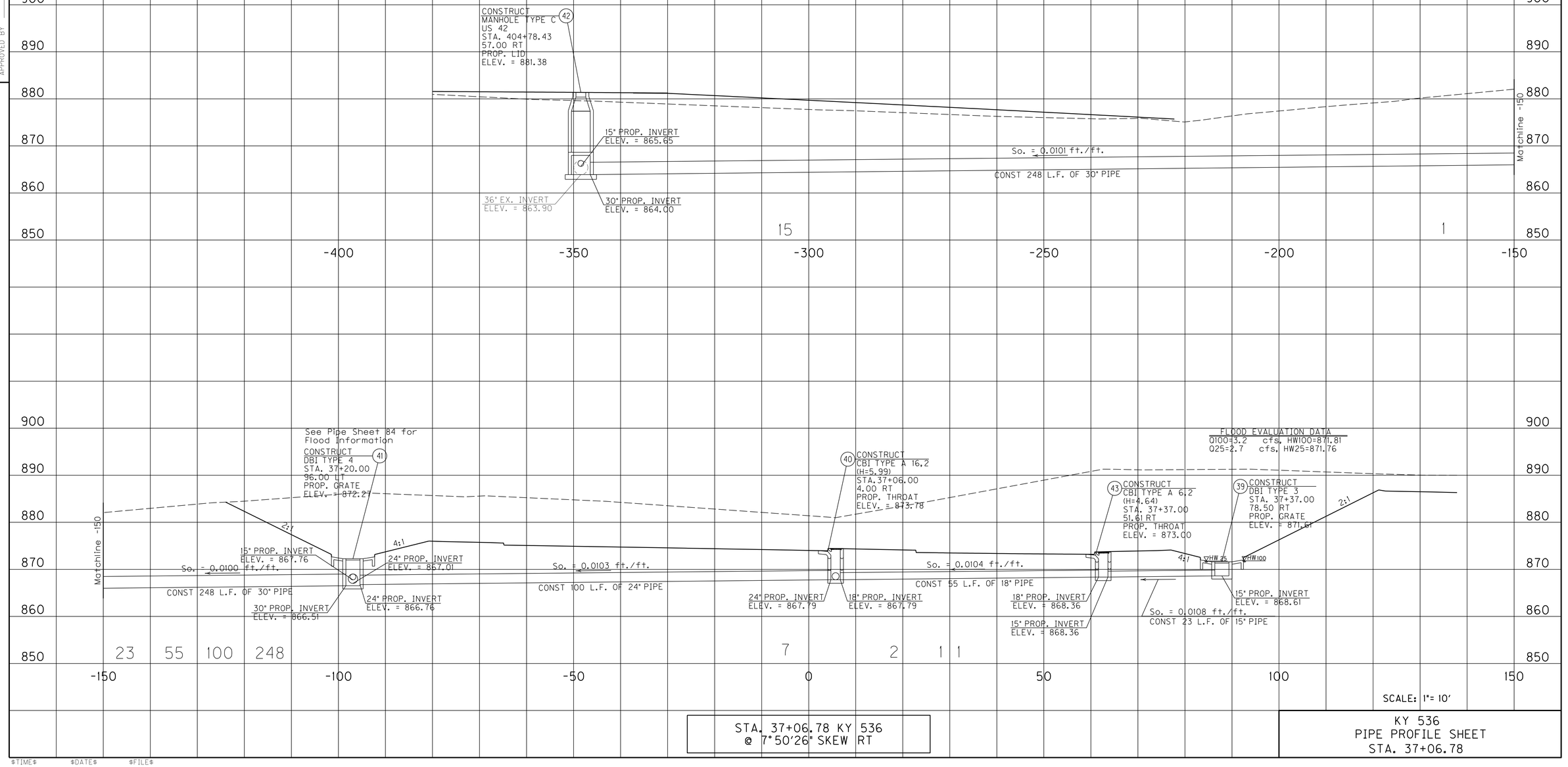
$TIME$ $DATE$ $FILE$

PIPE DRAINAGE SHEET 14 of 100

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R227

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

STORM SEWER PIPE												CULVERT PIPE				CHANNEL LINING															S&F Box Inlet-Outlet				MANHOLE TYPE				
12	15	18	24	30	36	42	48	54	60	66	72 Equiv.	18	24	30	MAX. COVER HEIGHT	CLASS II	CLASS III	TURF REINF. MAT TYPE 3	CBI TYPE A	DBI TYPE 1	DBI TYPE 3	DBI TYPE 4	DBI TYPE 11	DBI TYPE 13	DBI TYPE 15	DBI TYPE 16	SLOTTED DRAIN PIPE 12"	STANDARD HEADWALLS	18	24	30	36	A	B	C	DITCH EXCAVATION	
LINEAR FEET															FT	TON		CY	EACH								LF	EA/TY	EACH							CY	
					1										15																			1				



STA. 37+06.78 KY 536
@ 7°50'26" SKEW RT

SCALE: 1"= 10'

KY 536
PIPE PROFILE SHEET
STA. 37+06.78

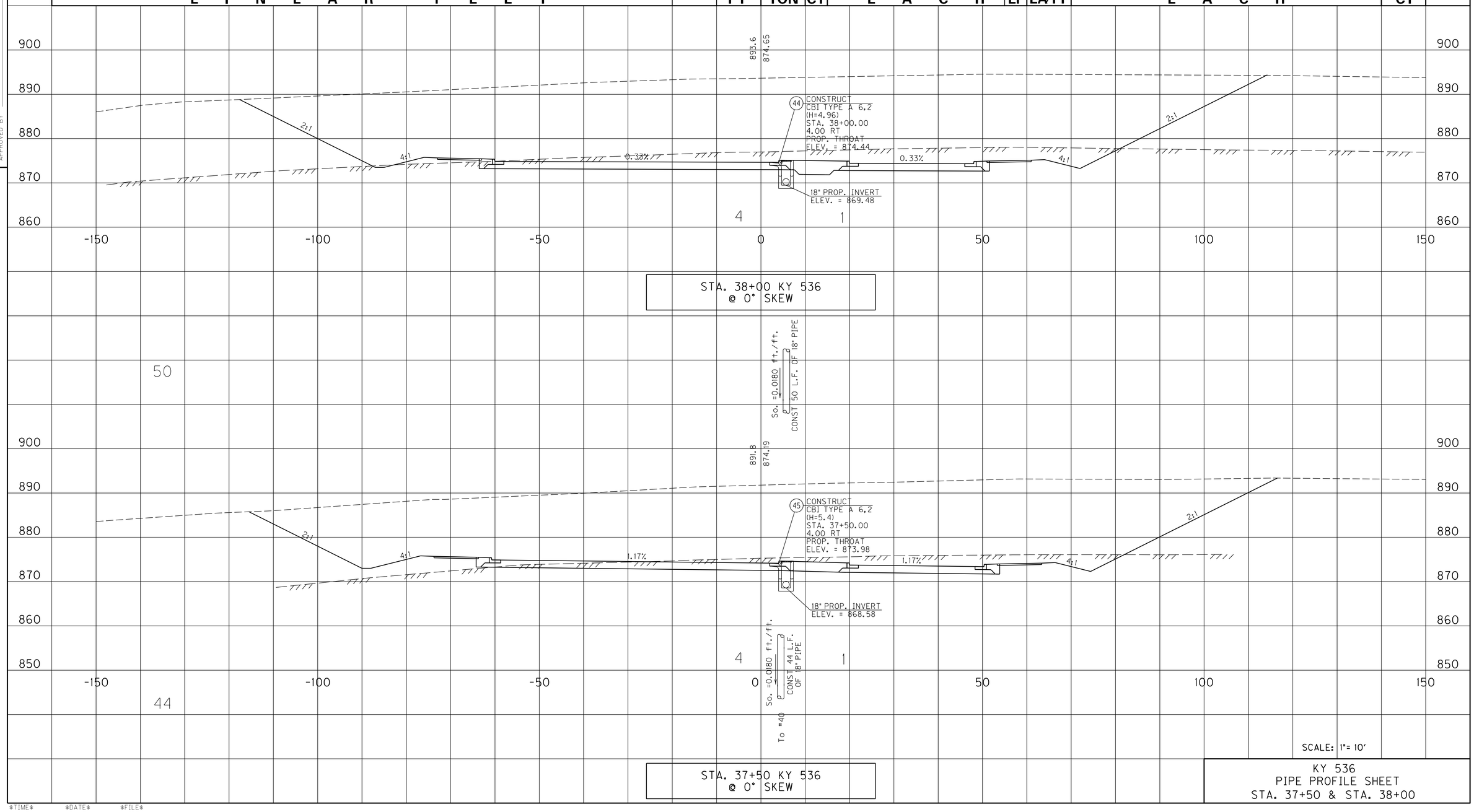
USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME: R22700PD

$TIME$ $DATE$ $FILE$

PIPE DRAINAGE SHEET 15 of 100

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R228

STORM SEWER PIPE												CULVERT PIPE				CHANNEL LINING																				
12	15	18	24	30	36	42	48	54	60	66	72 Equiv.	18	24	30	MAX. COVER HEIGHT	CLASS II	CLASS III	TURF REINF. MAT TYPE 3	CBI TYPE A	DBI TYPE 1	DBI TYPE 3	DBI TYPE 4	DBI TYPE 11	DBI TYPE 13	DBI TYPE 15	DBI TYPE 16	SLOTTED DRAIN PIPE 12"	STANDARD HEADWALLS	S&F Box Inlet-Outlet				MANHOLE TYPE			DITCH EXCAVATION
L I N E A R F E E T															FT	TON		CY	E A C H								LF	EA/TY	E A C H							CY



SCALE: 1"= 10'

KY 536
PIPE PROFILE SHEET
STA. 37+50 & STA. 38+00

PREPARED BY DATE
CHECKED BY DATE
APPROVED BY DATE

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME: R22800PD

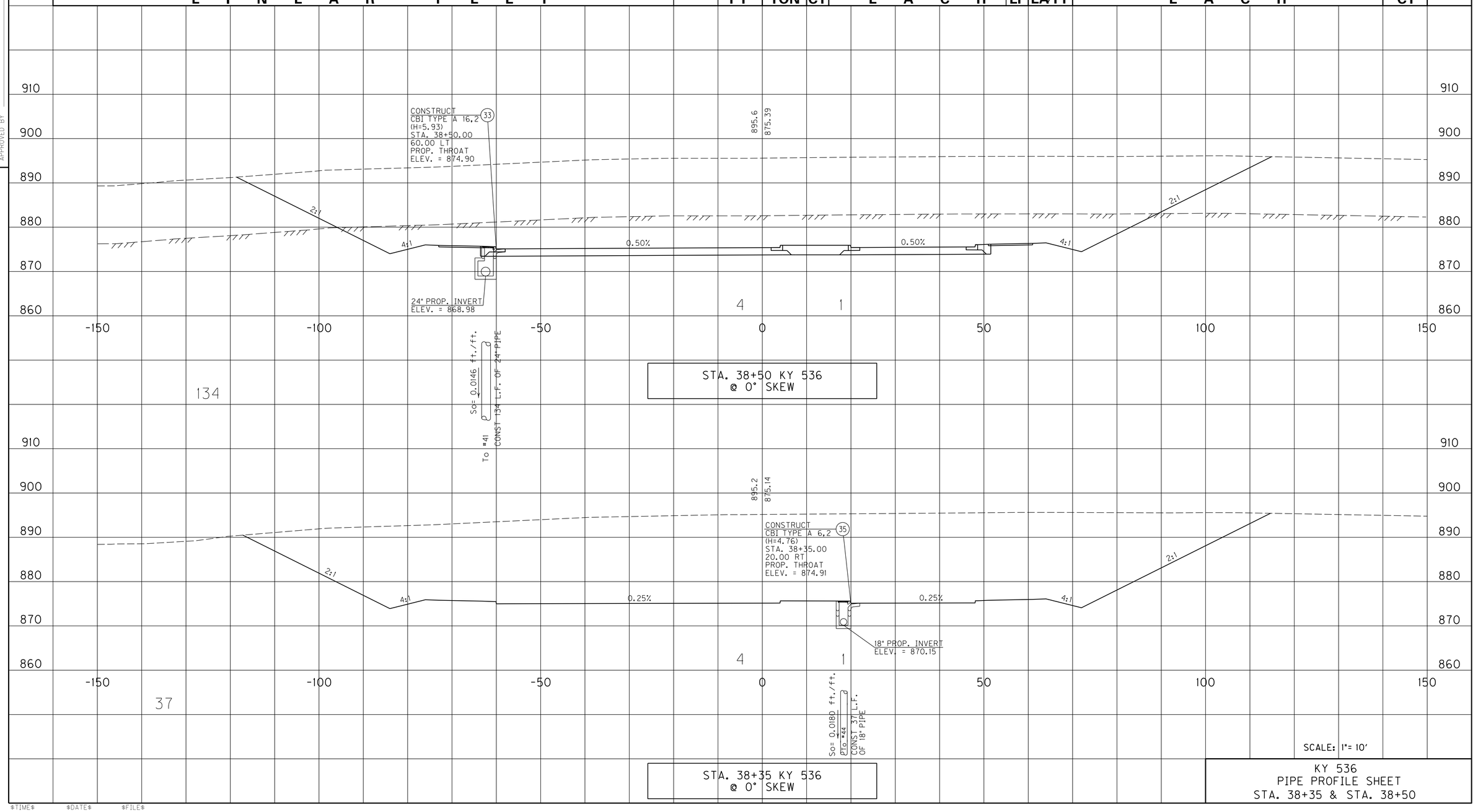
$TIME$ $DATE$ $FILE$

PIPE DRAINAGE SHEET 16 of 100

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R229

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

STORM SEWER PIPE (LINEAR FEET)												CULVERT PIPE (LINEAR FEET)			MAX. COVER HEIGHT	CHANNEL LINING		TURF REINF. MAT TYPE 3	CBI TYPE A	DBI TYPE 1	DBI TYPE 3	DBI TYPE 4	DBI TYPE 11	DBI TYPE 13	DBI TYPE 15	DBI TYPE 16	SLOTTED DRAIN PIPE 12"	STANDARD HEADWALLS	S&F Box Inlet-Outlet				MANHOLE TYPE			DITCH EXCAVATION
12	15	18	24	30	36	42	48	54	60	66	72 Equiv.	18	24	30		CLASS II	CLASS III													18	24	30	36	A	B	C	
LINEAR FEET															FT	TON		CY	EACH								LF	EA/TY	EACH							CY



SCALE: 1"= 10'

KY 536
PIPE PROFILE SHEET
STA. 38+35 & STA. 38+50

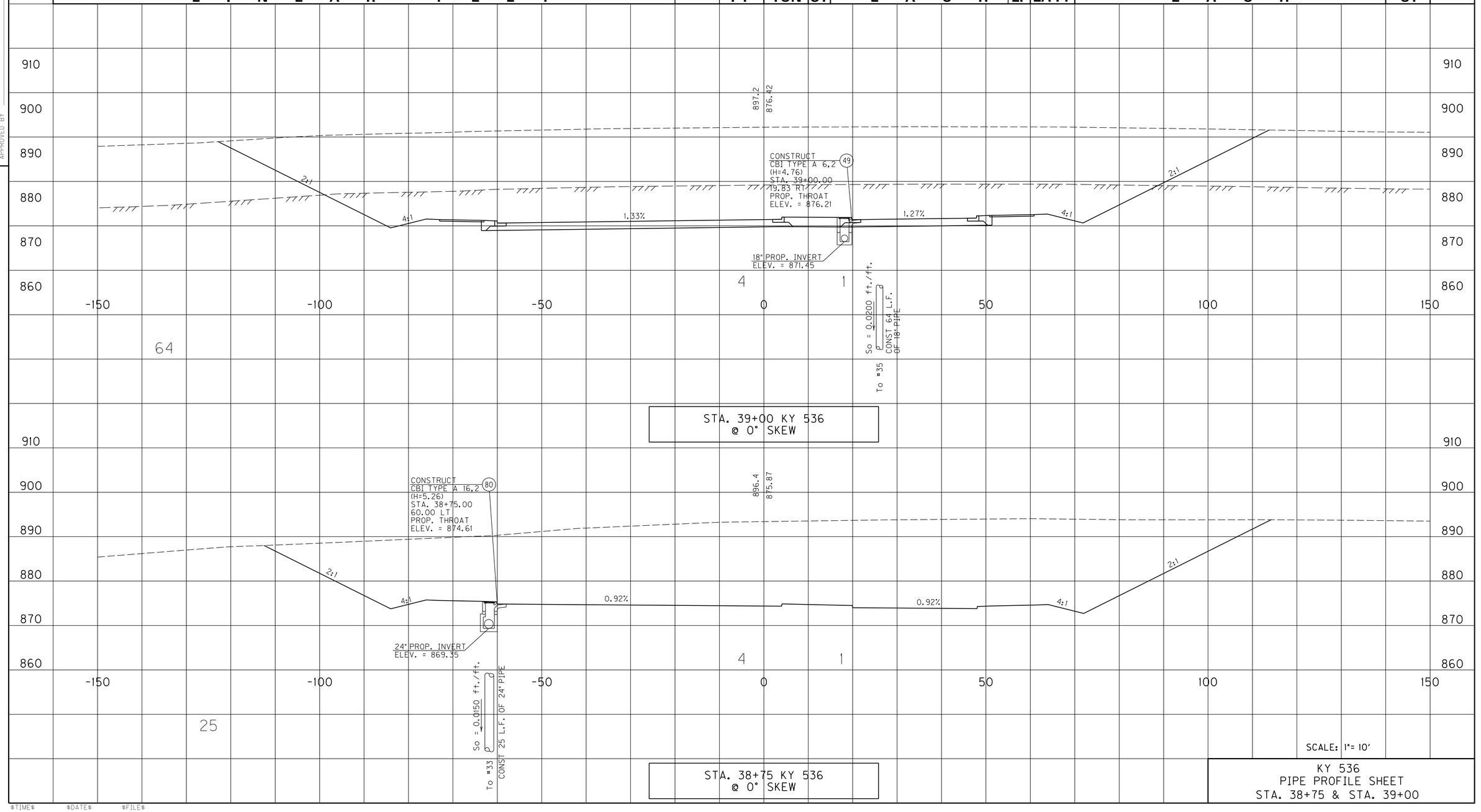
USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME: R22900PD

$TIME$ $DATE$ $FILE$

PIPE DRAINAGE SHEET 17 of 100

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R230

STORM SEWER PIPE												CULVERT PIPE				CHANNEL LINING																				
12	15	18	24	30	36	42	48	54	60	66	72 Equiv.	18	24	30	MAX. COVER HEIGHT	CLASS II	CLASS III	TURF REINF. MAT TYPE 3	CBI TYPE A	DBI TYPE 1	DBI TYPE 3	DBI TYPE 4	DBI TYPE 11	DBI TYPE 13	DBI TYPE 15	DBI TYPE 16	SLOTTED DRAIN PIPE 12"	STANDARD HEADWALLS	S&F Box Inlet-Outlet				MANHOLE TYPE			DITCH EXCAVATION
LINEAR FEET															FT	TON		CY	EACH								LF	EA/TY	EACH							CY



SCALE: 1"= 10'

KY 536
PIPE PROFILE SHEET
STA. 38+75 & STA. 39+00

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME: R23000PD

$TIME$ $DATE$ $FILE$

PIPE DRAINAGE SHEET 18 of 100

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R231

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

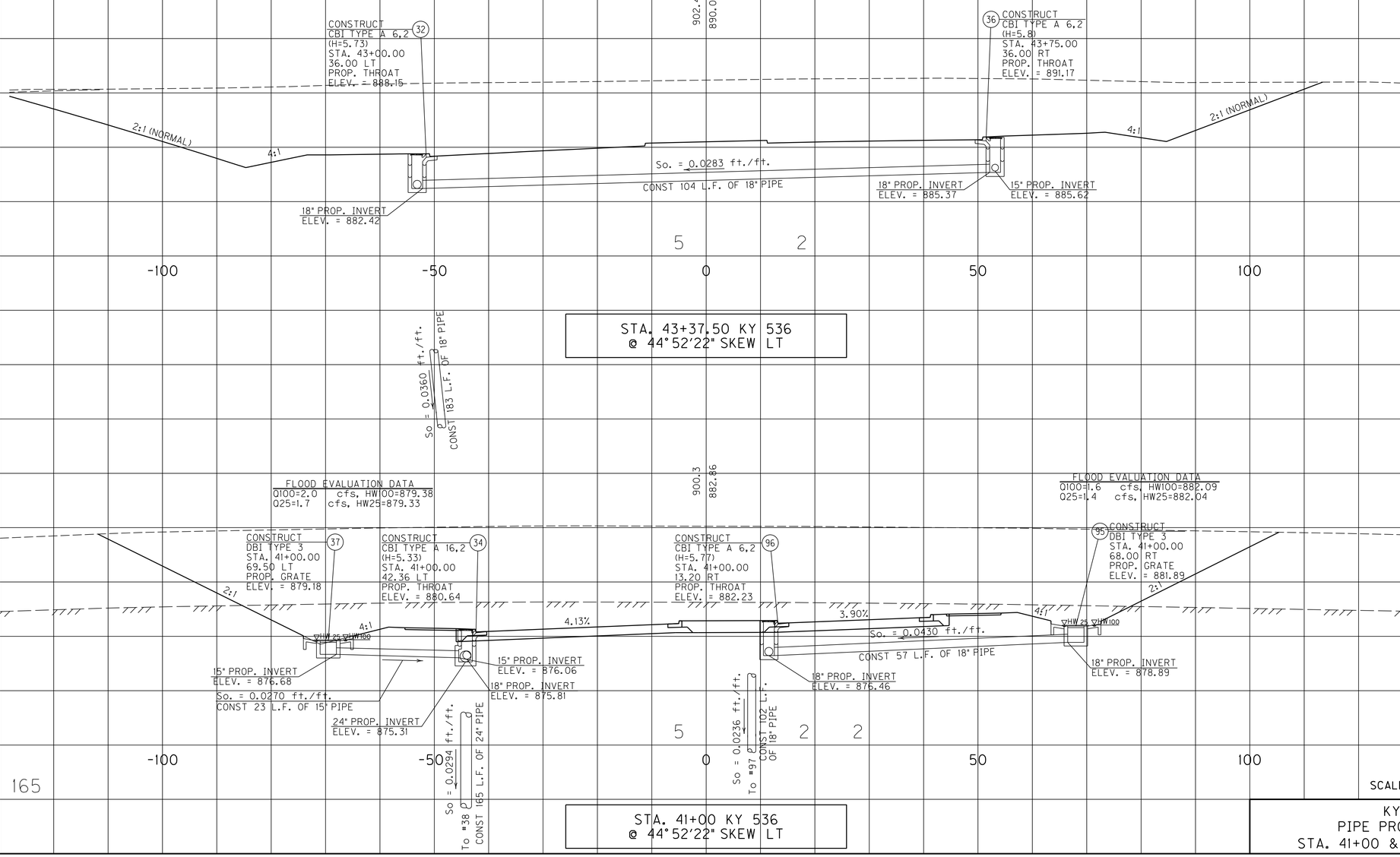
| STORM SEWER PIPE | | | | | | | | | | | | | CULVERT PIPE | | | | CHANNEL LINING | | | | | | | | | | | | |

PIPE DRAINAGE SHEET 19 of 100

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R232

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

STORM SEWER PIPE												CULVERT PIPE				CHANNEL LINING													S&F Box Inlet-Outlet				MANHOLE TYPE				
12	15	18	24	30	36	42	48	54	60	66	72 Equiv.	18	24	30	MAX. COVER HEIGHT	CLASS II	CLASS III	TURF REINF. MAT TYPE 3	CBI TYPE A	DBI TYPE 1	DBI TYPE 3	DBI TYPE 4	DBI TYPE 11	DBI TYPE 13	DBI TYPE 15	DBI TYPE 16	SLOTTED DRAIN PIPE 12"	STANDARD HEADWALLS	18	24	30	36	A	B	C	DITCH EXCAVATION	
LINEAR FEET															FT	TON		CY	EACH								LF	EA/TY	EACH						CY	
		104													5			2																			
		183																																		
		23	57												5			2				2														
			102	165																																



SCALE: 1"= 10'

KY 536
PIPE PROFILE SHEET
STA. 41+00 & STA. 43+37.50

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME: R23200PD

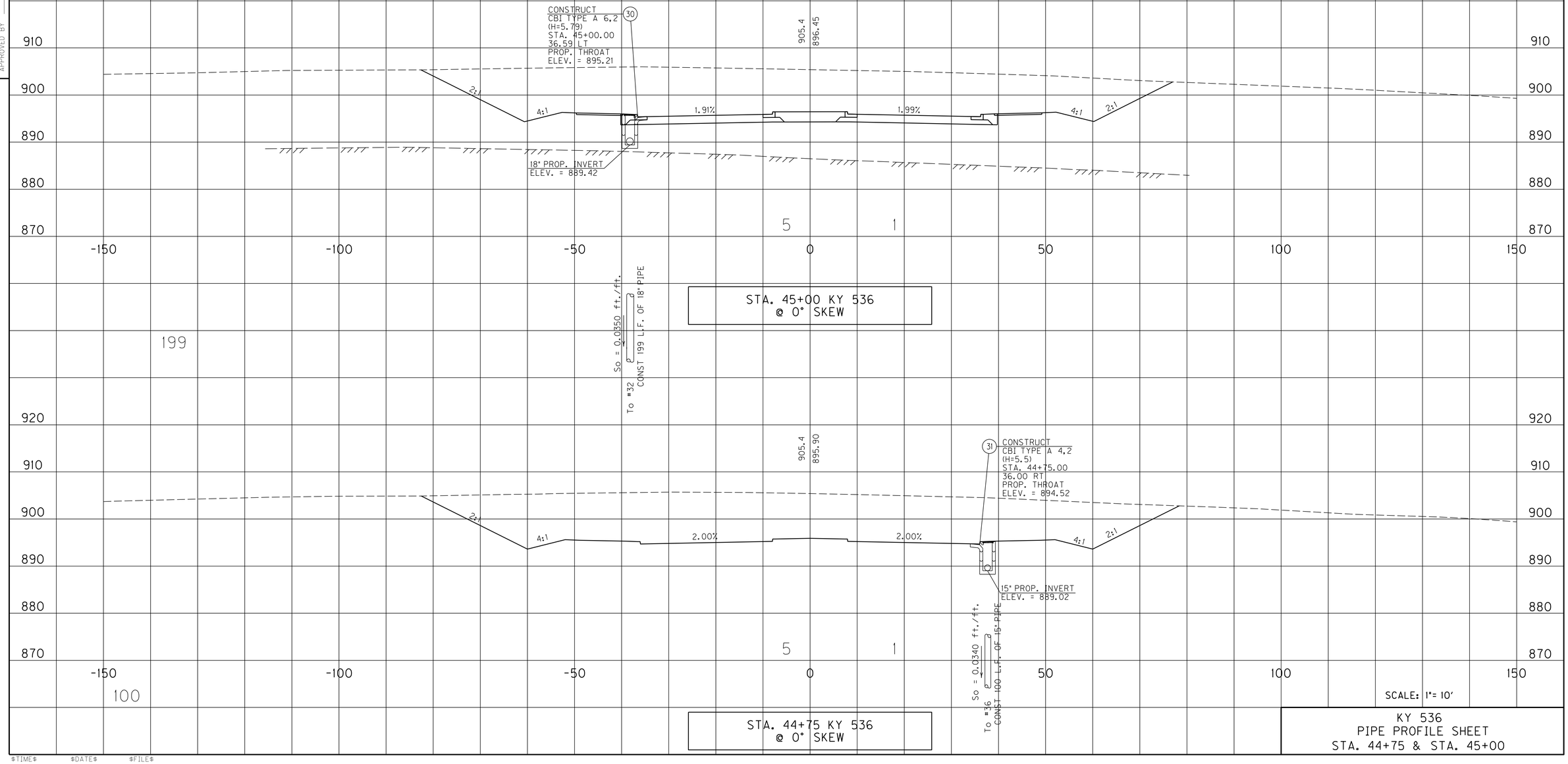
$TIME$ $DATE$ $FILE$

PIPE DRAINAGE SHEET 20 of 100

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R233

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

STORM SEWER PIPE (LINEAR FEET)													CULVERT PIPE (LINEAR FEET)			MAX. COVER HEIGHT	CHANNEL LINING		TURF REINF. MAT TYPE 3	CBI TYPE A	DBI TYPE 1	DBI TYPE 3	DBI TYPE 4	DBI TYPE 11	DBI TYPE 13	DBI TYPE 15	DBI TYPE 16	SLOTTED DRAIN PIPE 12"	STANDARD HEADWALLS	S&F Box Inlet-Outlet				MANHOLE TYPE			DITCH EXCAVATION
12	15	18	24	30	36	42	48	54	60	66	72 Equiv.		18	24	30		CLASS II	CLASS III												18	24	30	36	A	B	C	
LINEAR FEET																FT	TON		CY	EACH								LF	EA/TY	EACH							CY



USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME: R23300PD

$TIME$ $DATE$ $FILE$

PIPE DRAINAGE SHEET 21 of 100

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R234

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

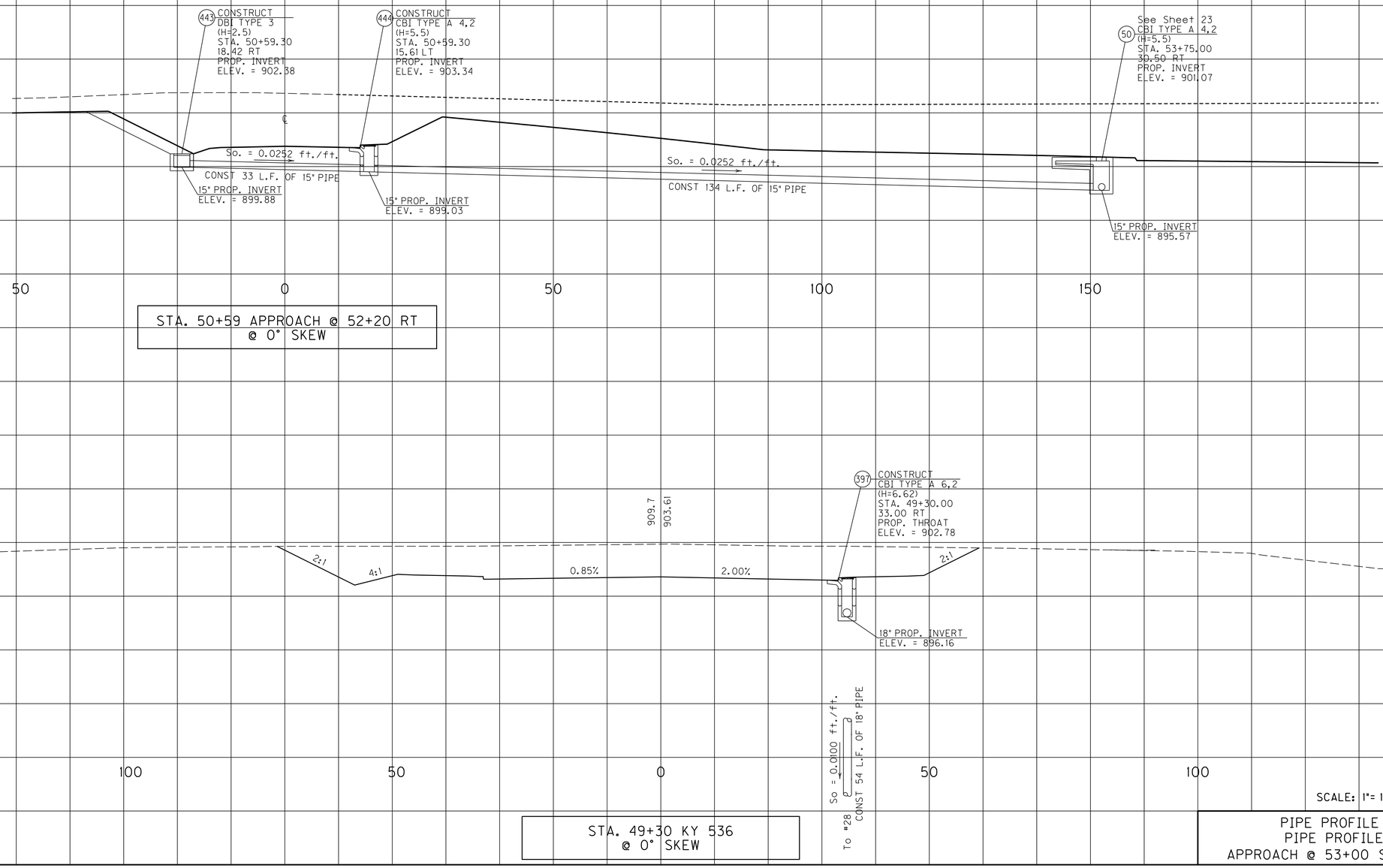
| STORM SEWER PIPE | | | | | | | | | | | | CULVERT PIPE | | | | CHANNEL LINING | | | | | | | | | | | |

PIPE DRAINAGE SHEET 22 of 100

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R235

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

STORM SEWER PIPE	CULVERT PIPE	MAX. COVER HEIGHT	CHANNEL LINING		TURF REINF. MAT TYPE 3	CBI TYPE A	DBI TYPE 1	DBI TYPE 3	DBI TYPE 4	DBI TYPE 11	DBI TYPE 13	DBI TYPE 15	DBI TYPE 16	SLOTTED DRAIN PIPE 12"	STANDARD HEADWALLS	S&F Box Inlet-Outlet	MANHOLE TYPE	DITCH EXCAVATION	
			CLASS II	CLASS III															
LINEAR FEET		FT	TON		CY	EACH								LF	EA/TY	EACH		CY	



SCALE: 1"= 10'

PIPE PROFILE SHEET
PIPE PROFILE SHEET
APPROACH @ 53+00 STA. 50+54.81

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME: R23500PD

$TIME$ $DATE$ $FILE$

PIPE DRAINAGE SHEET 23 of 100

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R236

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

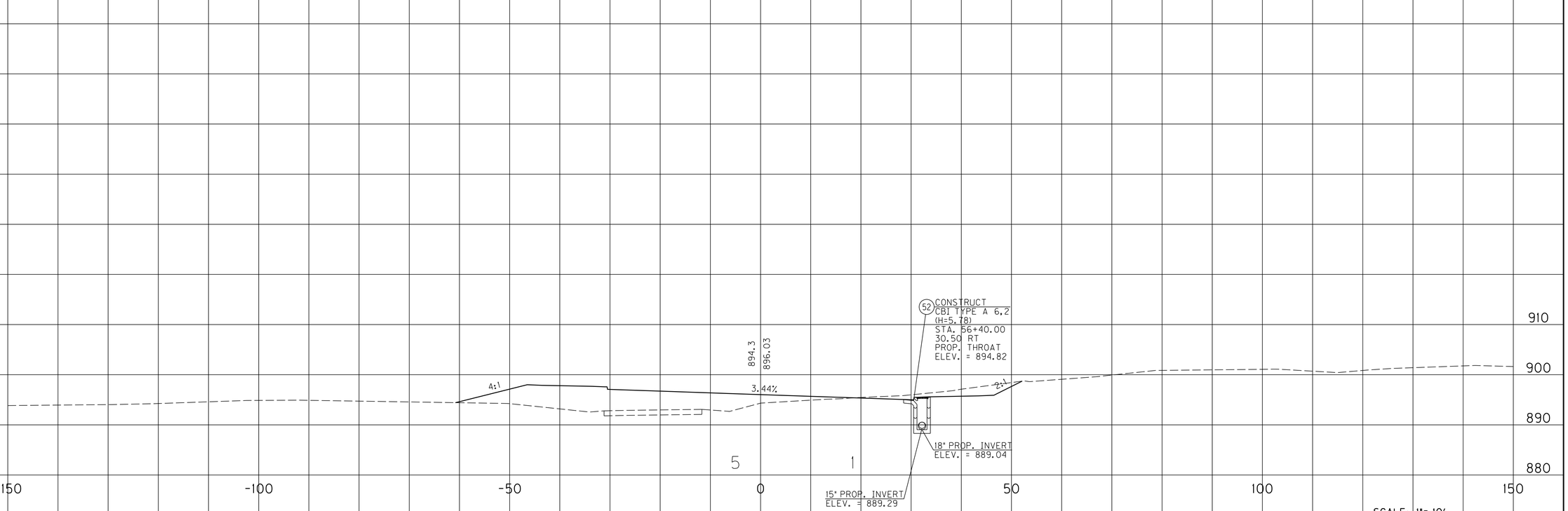
| STORM SEWER PIPE | | | | | | | | | | | | CULVERT PIPE | | | | CHANNEL LINING | | | | | | | | | | | |

PIPE DRAINAGE SHEET 24 of 100

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R237

PREPARED BY DATE
CHECKED BY DATE
APPROVED BY DATE

STORM SEWER PIPE												CULVERT PIPE				CHANNEL LINING													S&F Box Inlet-Outlet				MANHOLE TYPE				
12	15	18	24	30	36	42	48	54	60	66	72 Equiv.	18	24	30	MAX. COVER HEIGHT	CLASS II	CLASS III	TURF REINF. MAT TYPE 3	CBI TYPE A	DBI TYPE 1	DBI TYPE 3	DBI TYPE 4	DBI TYPE 11	DBI TYPE 13	DBI TYPE 15	DBI TYPE 16	SLOTTED DRAIN PIPE 12"	STANDARD HEADWALLS	18	24	30	36	A	B	C	DITCH EXCAVATION	
LINEAR FEET															FT	TON		CY	EACH								LF	EA/TY	EACH							CY	



STA. 56+40 KY 536
0° SKEW

KY 536
PIPE PROFILE SHEET
STA. 56+40

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME: R23700PD

$TIME$ $DATE$ $FILE$

PIPE DRAINAGE SHEET 25 of 100

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R238

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

STORM SEWER PIPE (LINEAR FEET)													CULVERT PIPE (LINEAR FEET)			MAX. COVER HEIGHT	CHANNEL LINING		TURF REINF. MAT TYPE 3	CBI TYPE A	DBI TYPE 1	DBI TYPE 3	DBI TYPE 4	DBI TYPE 11	DBI TYPE 13	DBI TYPE 15	DBI TYPE 16	SLOTTED DRAIN PIPE 12"	STANDARD HEADWALLS	S&F Box Inlet-Outlet				MANHOLE TYPE			DITCH EXCAVATION
12	15	18	24	30	36	42	48	54	60	66	72 Equiv.		18	24	30		CLASS II	CLASS III												18	24	30	36	A	B	C	
LINEAR FEET																FT	TON		CY	EACH								LF	EA/TY	EACH							CY
			68													6			1																		

So = 0.0186 ft./ft.
To "59
CONST 68 L.F. OF 24" PIPE

888.43
894.15
3.44%
4:1
58 CONSTRUCT CBI TYPE A 16.6 (H=7.74) STA. 58+30.00 30.50 RT PROP. THROAT ELEV. = 892.94
24" PROP. INVERT ELEV. = 885.20

STA. 58+30 KY 536
0° SKEW

887.8
894.31
53 CONSTRUCT CBI TYPE A 6.6 (H=5.76) STA. 50+66.00 14.00 RT PROP. THROAT ELEV. = 893.72
52 See Sheet 24 CBI TYPE A 6.2 (H=5.78) STA. 56+40.00 30.50 RT PROP. THROAT ELEV. = 894.82
So. = 0.0200 ft./ft.
CONST 52 L.F. OF 18" PIPE
15" PROP. INVERT ELEV. = 889.29
18" PROP. INVERT ELEV. = 889.04
18" PROP. INVERT ELEV. = 887.96
So. = 0.0150 ft./ft.
CONST 30 L.F. OF 18" PIPE
54 CONSTRUCT CBI TYPE A 15.2 (H=6.73) STA. 50+66.00 14.00 LT PROP. THROAT ELEV. = 893.72
18" PROP. INVERT ELEV. = 887.49
24" PROP. INVERT ELEV. = 886.99
So. = 0.0150 ft./ft.
CONST 53 L.F. OF 24" PIPE
57 CONSTRUCT CBI TYPE A 16.2 (H=7.09) STA. 57+75.00 30.50 RT PROP. THROAT ELEV. = 893.10
24" PROP. INVERT ELEV. = 886.01
CONST 63 L.F. OF 24" PIPE
3.44%
8:1
4:1
3:1

			53													10			3																		

STA. 57+75 KY 536
0° SKEW

SCALE: 1"= 10'

KY 536
PIPE PROFILE SHEET
STA. 57+75 & STA. 58+30

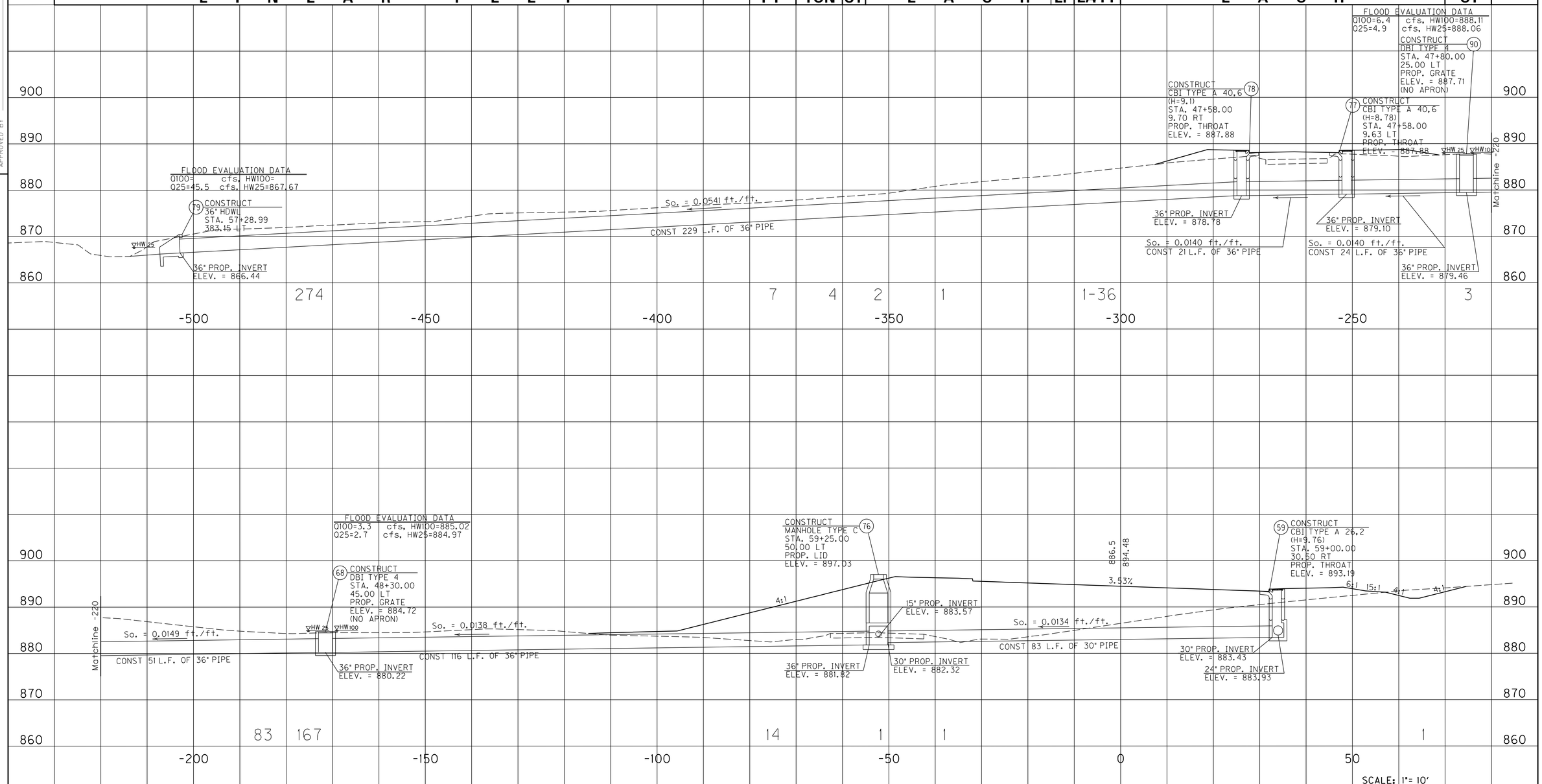
USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME: R23800PD

$TIME$ $DATE$ $FILE$

PIPE DRAINAGE SHEET 26 of 100

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R239

STORM SEWER PIPE												CULVERT PIPE				CHANNEL LINING																					
12	15	18	24	30	36	42	48	54	60	66	72 Equiv.	18	24	30	MAX. COVER HEIGHT	CLASS II	CLASS III	TURF REINF. MAT TYPE 3	CBI TYPE A	DBI TYPE 1	DBI TYPE 3	DBI TYPE 4	DBI TYPE 11	DBI TYPE 13	DBI TYPE 15	DBI TYPE 16	SLOTTED DRAIN PIPE 12"	STANDARD HEADWALLS	S&F Box Inlet-Outlet				MANHOLE TYPE			DITCH EXCAVATION
LINEAR FEET															FT	TON		CY	EACH								LF	EA/TY	EACH							CY



SCALE: 1"= 10'

STA. 59+10.18 KY 536
17° 08'19" SKEW RT

KY 536
PIPE PROFILE SHEET
STA. 59+10.18

PREPARED BY DATE
CHECKED BY DATE
APPROVED BY DATE

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME: R23900PD

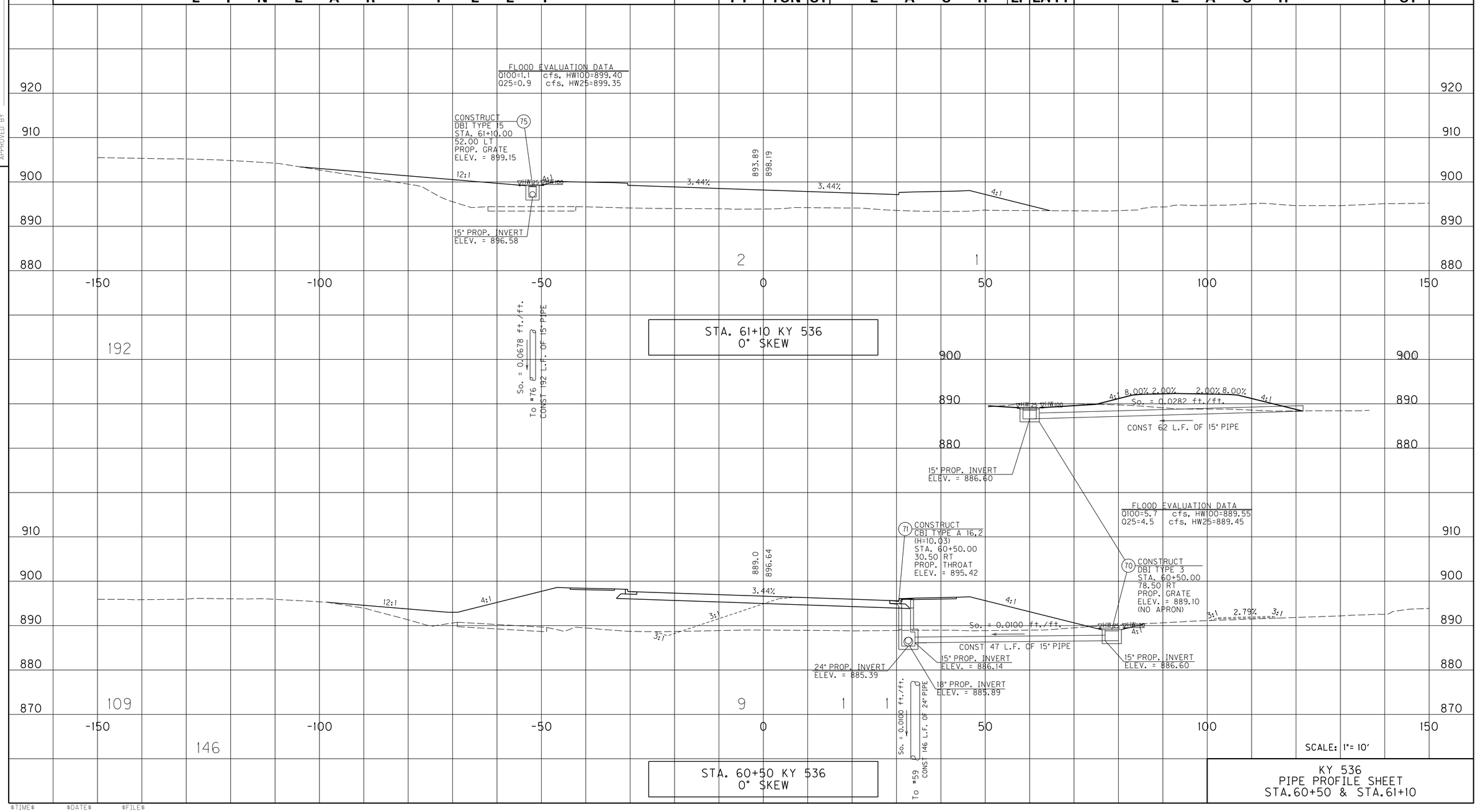
$TIME$ $DATE$ $FILE$

PIPE DRAINAGE SHEET 27 of 100

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R240

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

STORM SEWER PIPE (LINEAR FEET)													CULVERT PIPE			MAX. COVER HEIGHT	CHANNEL LINING		TURF REINF. MAT TYPE 3	CBI TYPE A	DBI TYPE 1	DBI TYPE 3	DBI TYPE 4	DBI TYPE 11	DBI TYPE 13	DBI TYPE 15	DBI TYPE 16	SLOTTED DRAIN PIPE 12"	STANDARD HEADWALLS	S&F Box Inlet-Outlet				MANHOLE TYPE			DITCH EXCAVATION
12	15	18	24	30	36	42	48	54	60	66	72 Equiv.		18	24	30		CLASS II	CLASS III												18	24	30	36	A	B	C	
LINEAR FEET																FT	TON		CY	EACH								LF	EA/TY	EACH							CY



SCALE: 1"= 10'

KY 536
PIPE PROFILE SHEET
STA.60+50 & STA.61+10

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME: R240OOPD

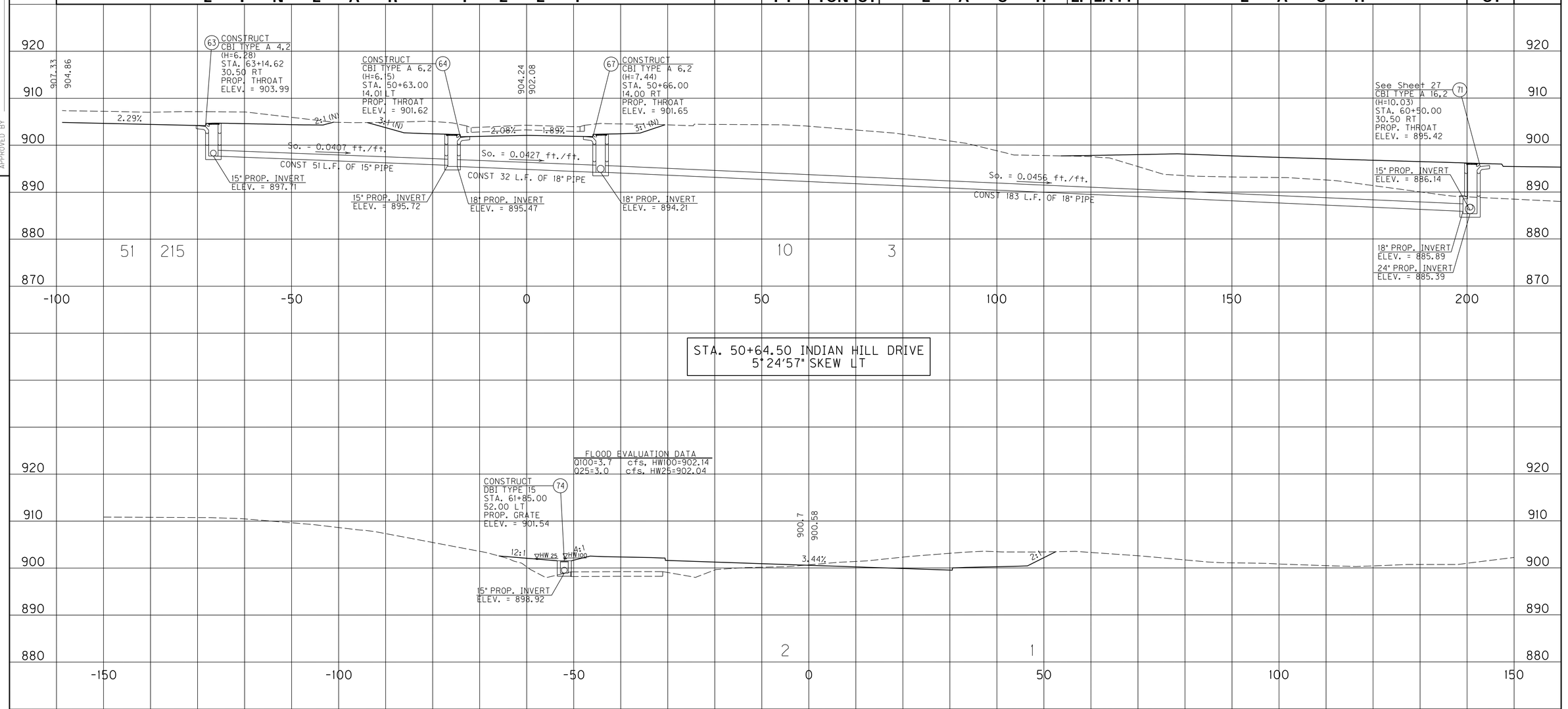
$TIME$ $DATE$ $FILE$

PIPE DRAINAGE SHEET 28 of 100

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R241

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

STORM SEWER PIPE (LINEAR FEET)												CULVERT PIPE (LINEAR FEET)			MAX. COVER HEIGHT	CHANNEL LINING		TURF REINF. MAT TYPE 3	CBI TYPE A	DBI TYPE 1	DBI TYPE 3	DBI TYPE 4	DBI TYPE 11	DBI TYPE 13	DBI TYPE 15	DBI TYPE 16	SLOTTED DRAIN PIPE 12"	STANDARD HEADWALLS	S&F Box Inlet-Outlet				MANHOLE TYPE			DITCH EXCAVATION
12	15	18	24	30	36	42	48	54	60	66	72 Equiv.	18	24	30		CLASS II	CLASS III													18	24	30	36	A	B	C	
LINEAR FEET															FT	TON		CY	EACH								LF	EA/TY	EACH							CY
	51	215													10			3																		



STA. 50+64.50 INDIAN HILL DRIVE
5°24'57" SKEW LT

STA. 61+85 KY 536
0° SKEW

SCALE: 1"= 10'

KY 536 PIPE PROFILE SHEET
PIPE PROFILE SHEET
INDIAN HILL DRIVE STA. 50+64.50

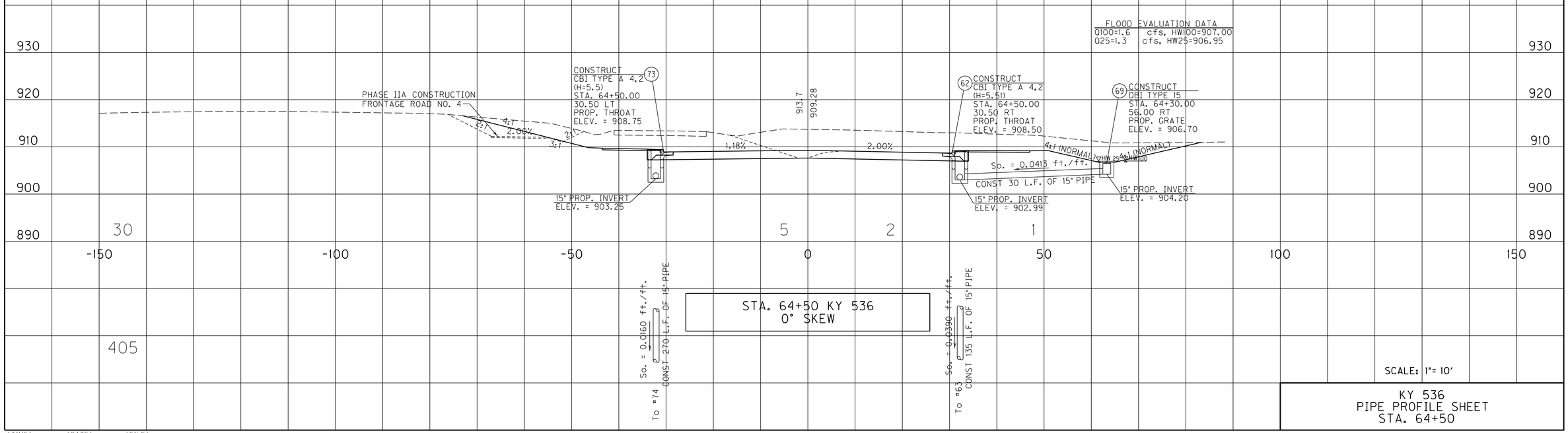
USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME: R2410OPD

$TIME$ $DATE$ $FILE$

PIPE DRAINAGE SHEET 29 of 100

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R242

STORM SEWER PIPE												CULVERT PIPE				CHANNEL LINING																					
12	15	18	24	30	36	42	48	54	60	66	72 Equiv.	18	24	30	MAX. COVER HEIGHT	CLASS II	CLASS III	TURF REINF. MAT TYPE 3	CBI TYPE A	DBI TYPE 1	DBI TYPE 3	DBI TYPE 4	DBI TYPE 11	DBI TYPE 13	DBI TYPE 15	DBI TYPE 16	SLOTTED DRAIN PIPE 12"	STANDARD HEADWALLS	S&F Box Inlet-Outlet				MANHOLE TYPE			DITCH EXCAVATION	
LINEAR FEET															FT	TON		CY	EACH								LF	EA/TY	EACH							CY	



SCALE: 1"= 10'

KY 536
PIPE PROFILE SHEET
STA. 64+50

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME: R24200PD

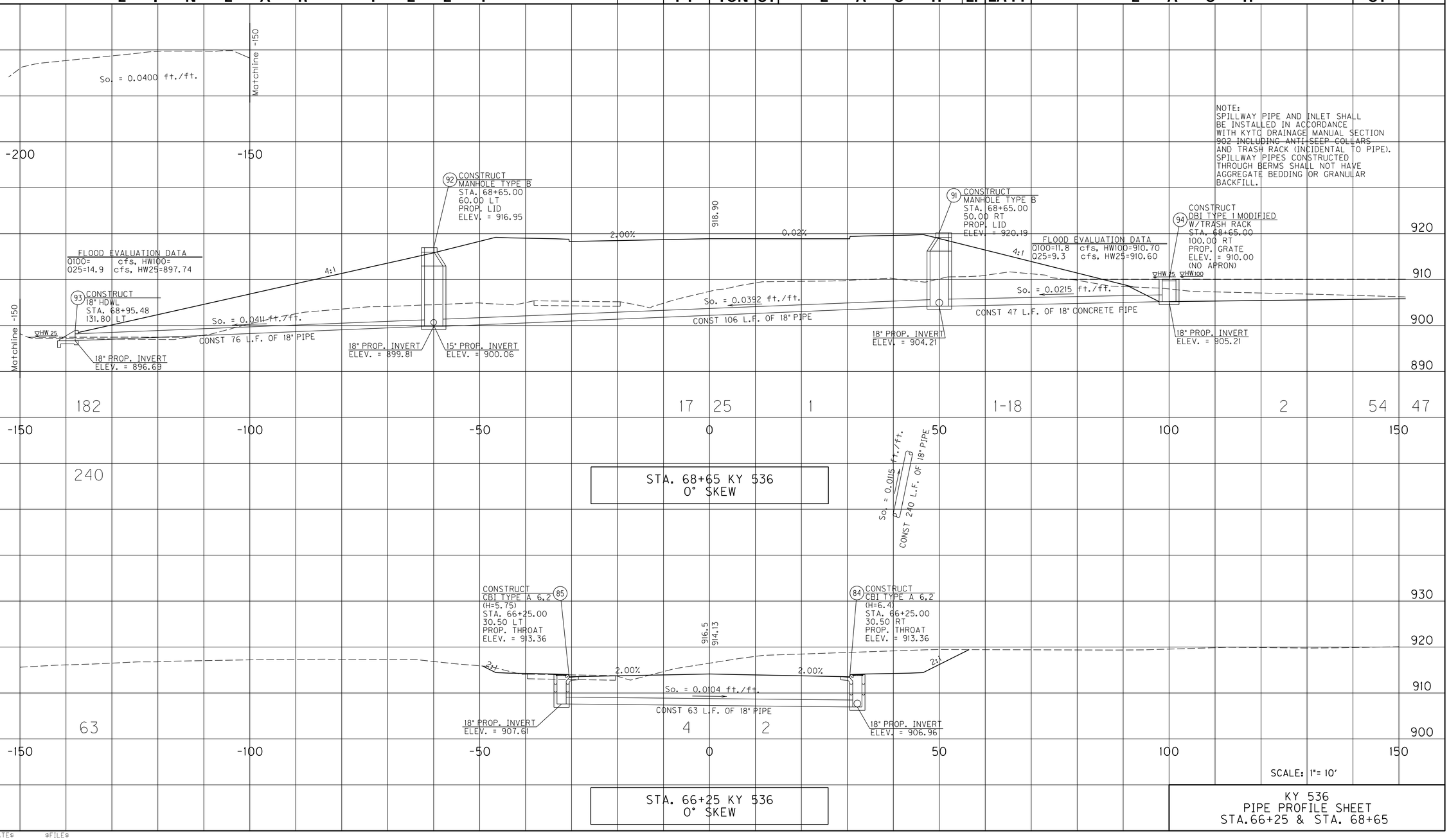
$TIME$ $DATE$ $FILE$

PIPE DRAINAGE SHEET 30 of 100

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R243

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

STORM SEWER PIPE												CULVERT PIPE				CHANNEL LINING												S&F Box Inlet-Outlet				MANHOLE TYPE					
12	15	18	24	30	36	42	48	54	60	66	72 Equiv.	18	24	30	MAX. COVER HEIGHT	CLASS II	CLASS III	TURF REINF. MAT TYPE 3	CBI TYPE A	DBI TYPE 1	DBI TYPE 3	DBI TYPE 4	DBI TYPE 11	DBI TYPE 13	DBI TYPE 15	DBI TYPE 16	SLOTTED DRAIN PIPE 12"	STANDARD HEADWALLS	18	24	30	36	A	B	C	DITCH EXCAVATION	18" CONC. PIPE
LINEAR FEET															FT	TON		CY	EACH								LF	EA/TY	EACH							CY	



SCALE: 1"= 10'

KY 536
PIPE PROFILE SHEET
STA.66+25 & STA. 68+65

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME: R24300PD

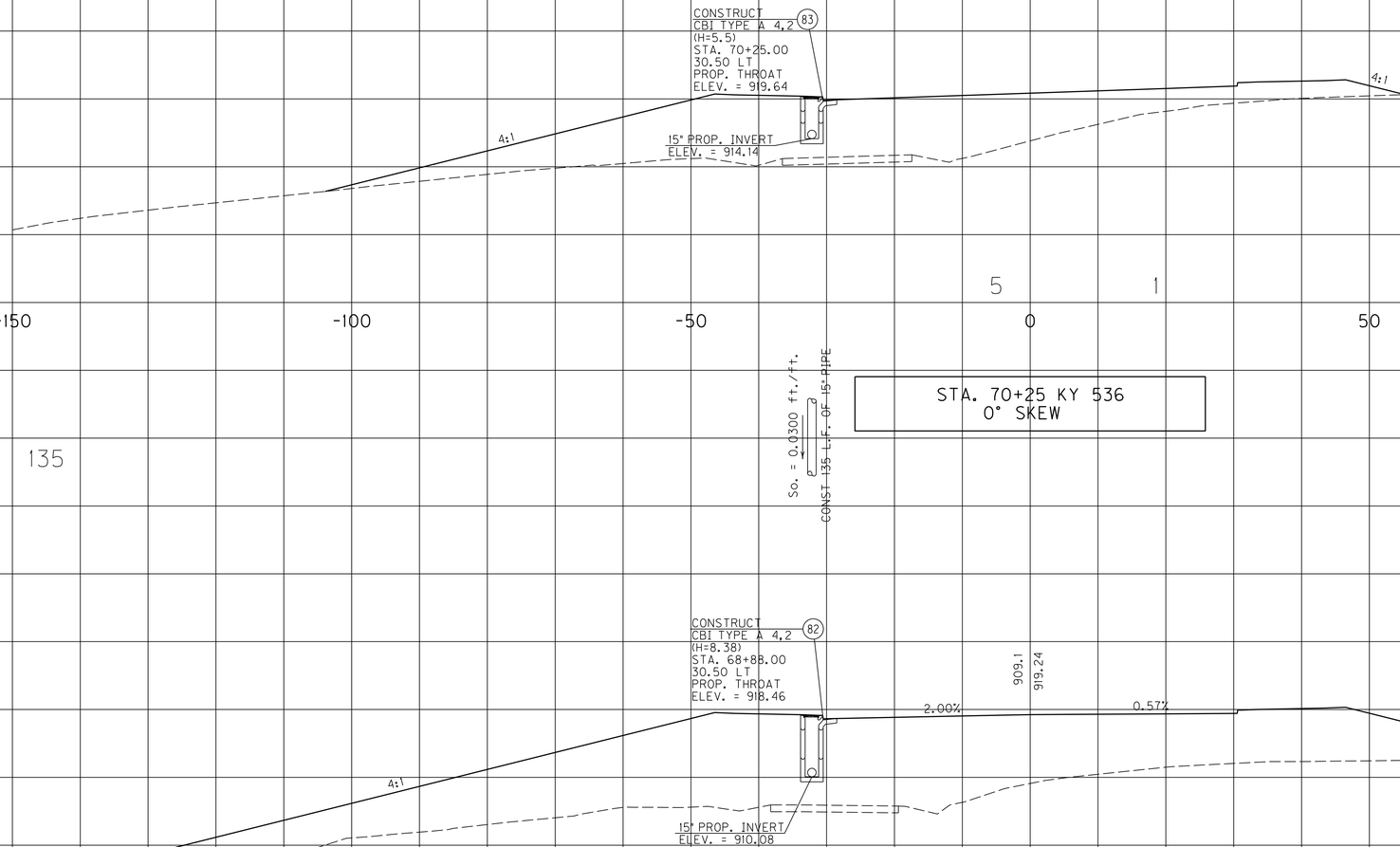
$TIME$ $DATE$ $FILE$

PIPE DRAINAGE SHEET 31 of 100

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R244

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

STORM SEWER PIPE (LINEAR FEET)													CULVERT PIPE (LINEAR FEET)			MAX. COVER HEIGHT	CHANNEL LINING		TURF REINF. MAT TYPE 3	CBI TYPE A	DBI TYPE 1	DBI TYPE 3	DBI TYPE 4	DBI TYPE 11	DBI TYPE 13	DBI TYPE 15	DBI TYPE 16	SLOTTED DRAIN PIPE 12"	STANDARD HEADWALLS	S&F Box Inlet-Outlet				MANHOLE TYPE			DITCH EXCAVATION
12	15	18	24	30	36	42	48	54	60	66	72 Equiv.		18	24	30		CLASS II	CLASS III												18	24	30	36	A	B	C	
LINEAR FEET																FT	TON		CY	EACH								LF	EA/TY	EACH							CY
930																																				930
920																																				920
910																																				910
900																																				900
890																5			1																	890
	-150					-100					-50					0							50							100						150	
	135																																			
930																																				930
920																																				920
910																																				910
900																																				900
890																8			1																	890
	-150					-100					-50					0							50							100						150	
	36																																			



STA. 70+25 KY 536
0° SKEW

STA. 68+88 KY 536
0° SKEW

SCALE: 1"= 10'

KY 536
PIPE PROFILE SHEET
STA.68+88 & STA. 70+25

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME: R24400PD

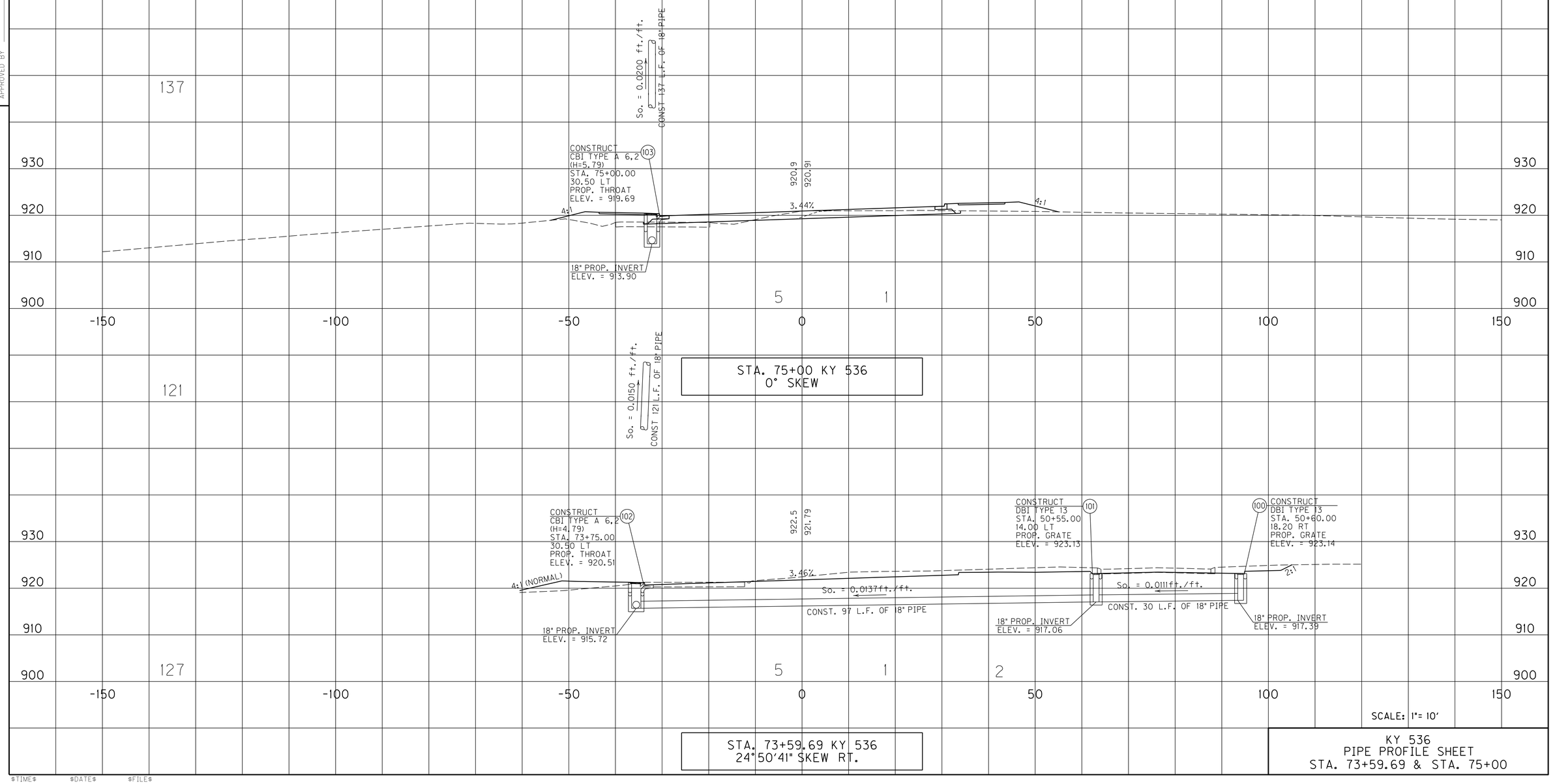
$TIME$ $DATE$ $FILE$

PIPE DRAINAGE SHEET 32 of 100

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R245

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

STORM SEWER PIPE												CULVERT PIPE				CHANNEL LINING														S&F Box Inlet-Outlet				MANHOLE TYPE			DITCH EXCAVATION	
12	15	18	24	30	36	42	48	54	60	66	72 Equiv.	18	24	30	MAX. COVER HEIGHT	CLASS II	CLASS III	TURF REINF. MAT TYPE 3	CBI TYPE A	DBI TYPE 1	DBI TYPE 3	DBI TYPE 4	DBI TYPE 11	DBI TYPE 13	DBI TYPE 15	DBI TYPE 16	SLOTTED DRAIN PIPE 12"	STANDARD HEADWALLS	18	24	30	36	A	B	C	DITCH EXCAVATION	
LINEAR FEET															FT	TON		CY	EACH								LF	EA/TY	EACH							CY	
		137																																			
		121																																			
		127																																			



SCALE: 1"= 10'

KY 536
PIPE PROFILE SHEET
STA. 73+59.69 & STA. 75+00

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME: R24500PD

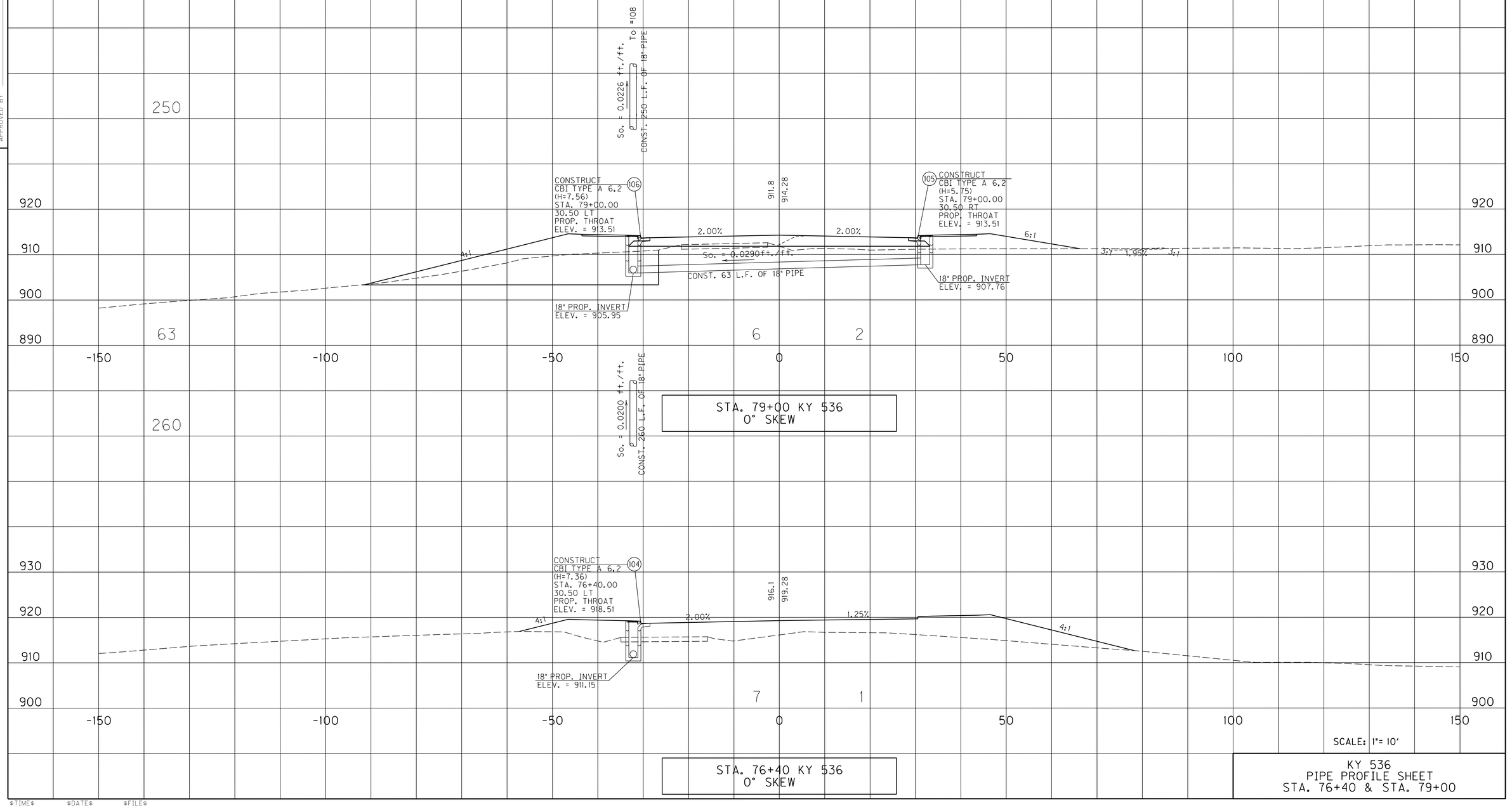
$TIME$ $DATE$ $FILE$

PIPE DRAINAGE SHEET 33 of 100

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R246

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

STORM SEWER PIPE (LINEAR FEET)												CULVERT PIPE (LINEAR FEET)			MAX. COVER HEIGHT	CHANNEL LINING		TURF REINF. MAT TYPE 3	CBI TYPE A	DBI TYPE 1	DBI TYPE 3	DBI TYPE 4	DBI TYPE 11	DBI TYPE 13	DBI TYPE 15	DBI TYPE 16	SLOTTED DRAIN PIPE 12"	STANDARD HEADWALLS	S&F Box Inlet-Outlet				MANHOLE TYPE			DITCH EXCAVATION
12	15	18	24	30	36	42	48	54	60	66	72 Equiv.	18	24	30		CLASS II	CLASS III													18	24	30	36	A	B	C	
LINEAR FEET															FT	TON		CY	EACH								LF	EA/TY	EACH							CY
		250																																	
		63													6			2																		
		260																																	
															7			1																		



SCALE: 1"= 10'

KY 536
PIPE PROFILE SHEET
STA. 76+40 & STA. 79+00

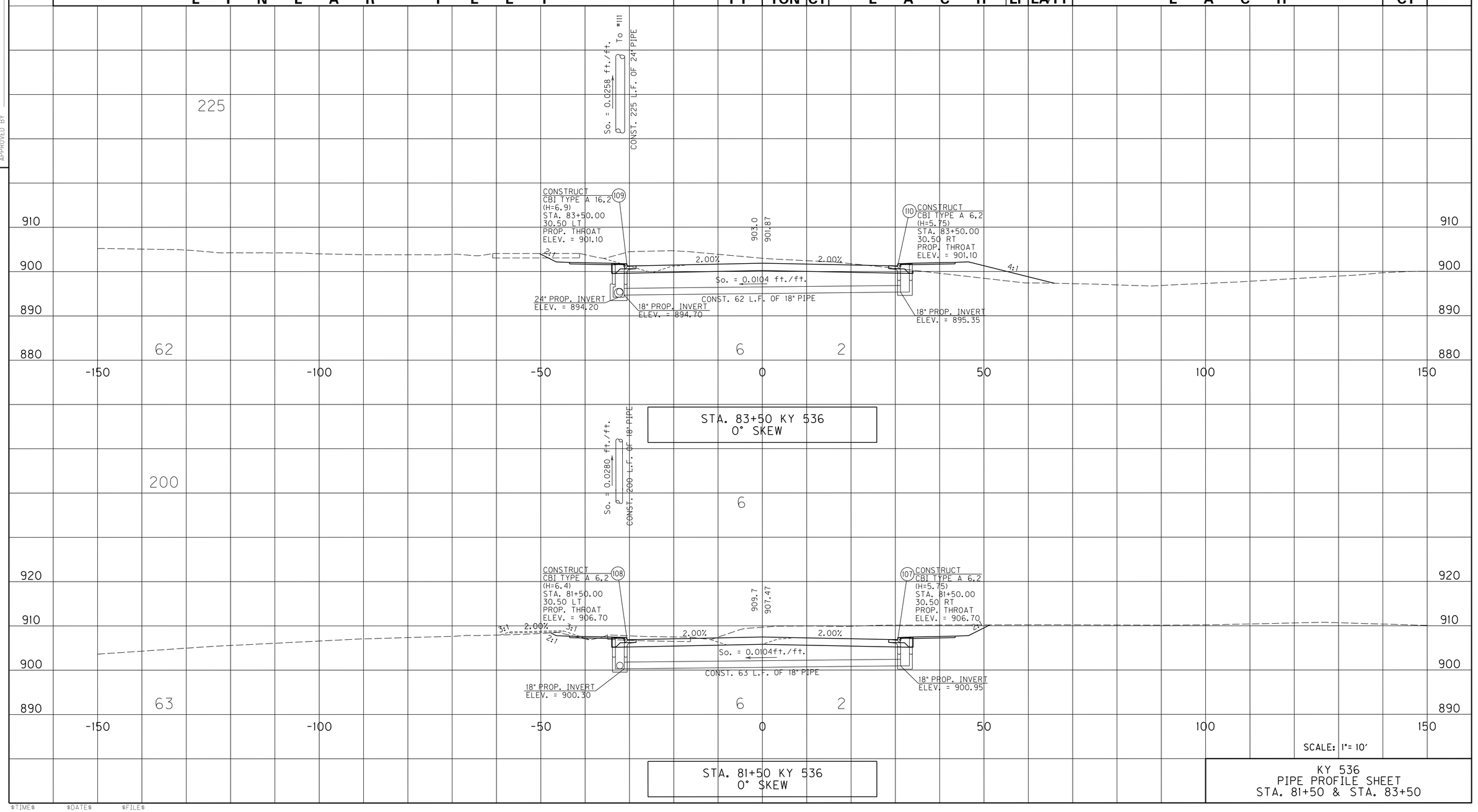
USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME: R24600PD

$TIME$ $DATE$ $FILE$

PIPE DRAINAGE SHEET 34 of 100

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R247

STORM SEWER PIPE												CULVERT PIPE				CHANNEL LINING																				
12	15	18	24	30	36	42	48	54	60	66	72 Equiv.	18	24	30	MAX. COVER HEIGHT	CLASS II	CLASS III	TURF REINF. MAT TYPE 3	CBI TYPE A	DBI TYPE 1	DBI TYPE 3	DBI TYPE 4	DBI TYPE 11	DBI TYPE 13	DBI TYPE 15	DBI TYPE 16	SLOTTED DRAIN PIPE 12"	STANDARD HEADWALLS	S&F Box Inlet-Outlet				MANHOLE TYPE			DITCH EXCAVATION
LINEAR FEET															FT	TON		CY	EACH								LF	EA/TY	EACH							CY



KY 536
PIPE PROFILE SHEET
STA. 81+50 & STA. 83+50

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

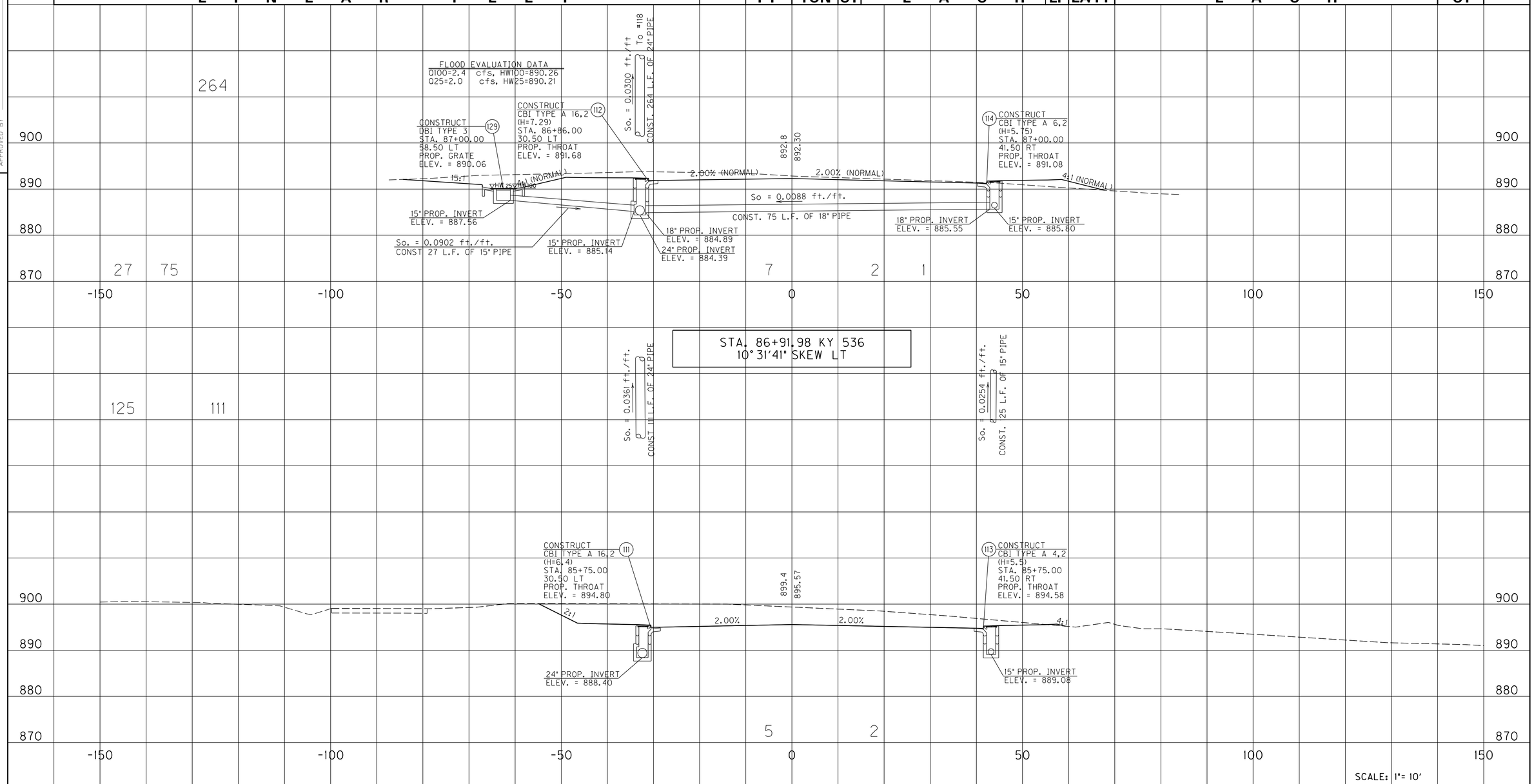
USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME: R24700PD

$TIME$ $DATE$ $FILE$

PIPE DRAINAGE SHEET 35 of 100

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R248

STORM SEWER PIPE												CULVERT PIPE				CHANNEL LINING																				
12	15	18	24	30	36	42	48	54	60	66	72 Equiv.	18	24	30	MAX. COVER HEIGHT	CLASS II	CLASS III	TURF REINF. MAT TYPE 3	CBI TYPE A	DBI TYPE 1	DBI TYPE 3	DBI TYPE 4	DBI TYPE 11	DBI TYPE 13	DBI TYPE 15	DBI TYPE 16	SLOTTED DRAIN PIPE 12"	STANDARD HEADWALLS	S&F Box Inlet-Outlet				MANHOLE TYPE			DITCH EXCAVATION
L I N E A R F E E T															FT	TON		CY	E A C H								LF	EA/TY	E A C H							CY



KY 536
PIPE PROFILE SHEET
STA. 85+75 & STA. 86+91.98

PREPARED BY DATE
CHECKED BY DATE
APPROVED BY DATE

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME: R24800PD

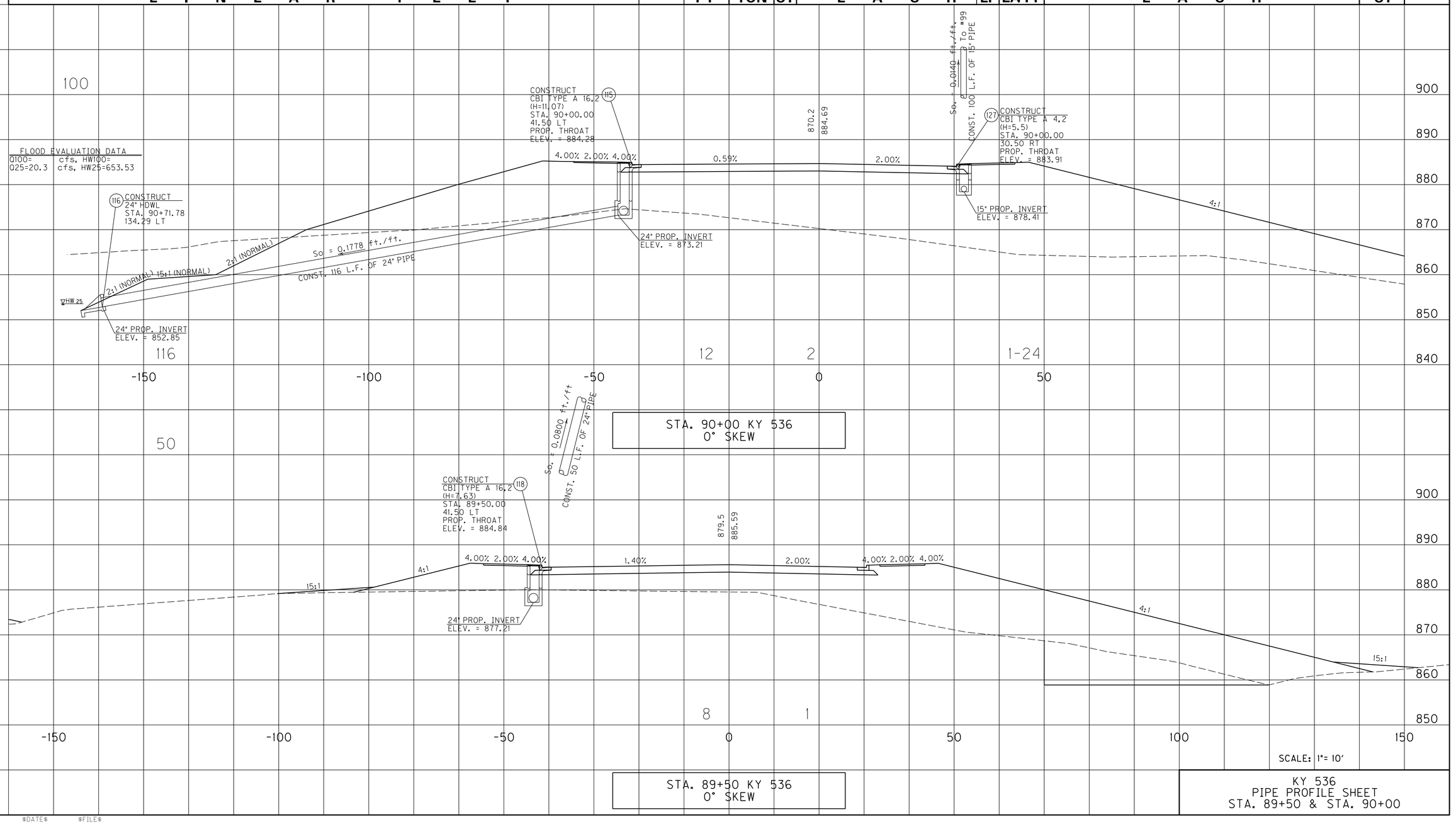
$TIME$ $DATE$ $FILE$

PIPE DRAINAGE SHEET 36 of 100

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R249

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

STORM SEWER PIPE												CULVERT PIPE				CHANNEL LINING															S&F Box Inlet-Outlet				MANHOLE TYPE				
12	15	18	24	30	36	42	48	54	60	66	72 Equiv.	18	24	30	MAX. COVER HEIGHT	CLASS II	CLASS III	TURF REINF. MAT TYPE 3	CBI TYPE A	DBI TYPE 1	DBI TYPE 3	DBI TYPE 4	DBI TYPE 11	DBI TYPE 13	DBI TYPE 15	DBI TYPE 16	SLOTTED DRAIN PIPE 12"	STANDARD HEADWALLS	18	24	30	36	A	B	C	DITCH EXCAVATION	
LINEAR FEET															FT	TON		CY	EACH								LF	EA/TY	EACH							CY	



USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME: R24900PD

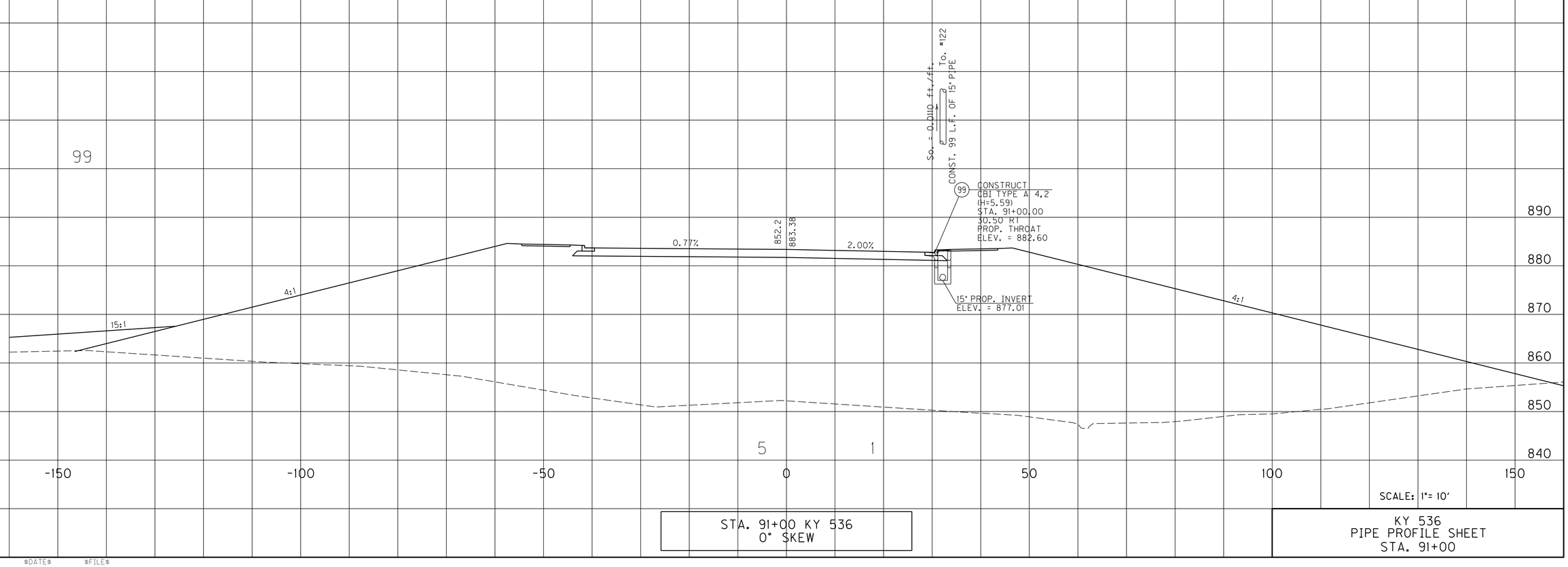
$TIME$ $DATE$ $FILE$

PIPE DRAINAGE SHEET 37 of 100

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R250

PREPARED BY DATE
CHECKED BY DATE
APPROVED BY DATE

STORM SEWER PIPE (LINEAR FEET)												CULVERT PIPE (LINEAR FEET)				CHANNEL LINING													S&F Box Inlet-Outlet				MANHOLE TYPE				
12	15	18	24	30	36	42	48	54	60	66	72 Equiv.	18	24	30	MAX. COVER HEIGHT	CLASS II	CLASS III	TURF REINF. MAT TYPE 3	CBI TYPE A	DBI TYPE 1	DBI TYPE 3	DBI TYPE 4	DBI TYPE 11	DBI TYPE 13	DBI TYPE 15	DBI TYPE 16	SLOTTED DRAIN PIPE 12"	STANDARD HEADWALLS	18	24	30	36	A	B	C	DITCH EXCAVATION
															FT	TON		CY				EACH					LF	EA/TY			EACH				CY
																						1														



SCALE: 1"= 10'

STA. 91+00 KY 536
0° SKEW

KY 536
PIPE PROFILE SHEET
STA. 91+00

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME: R25000PD

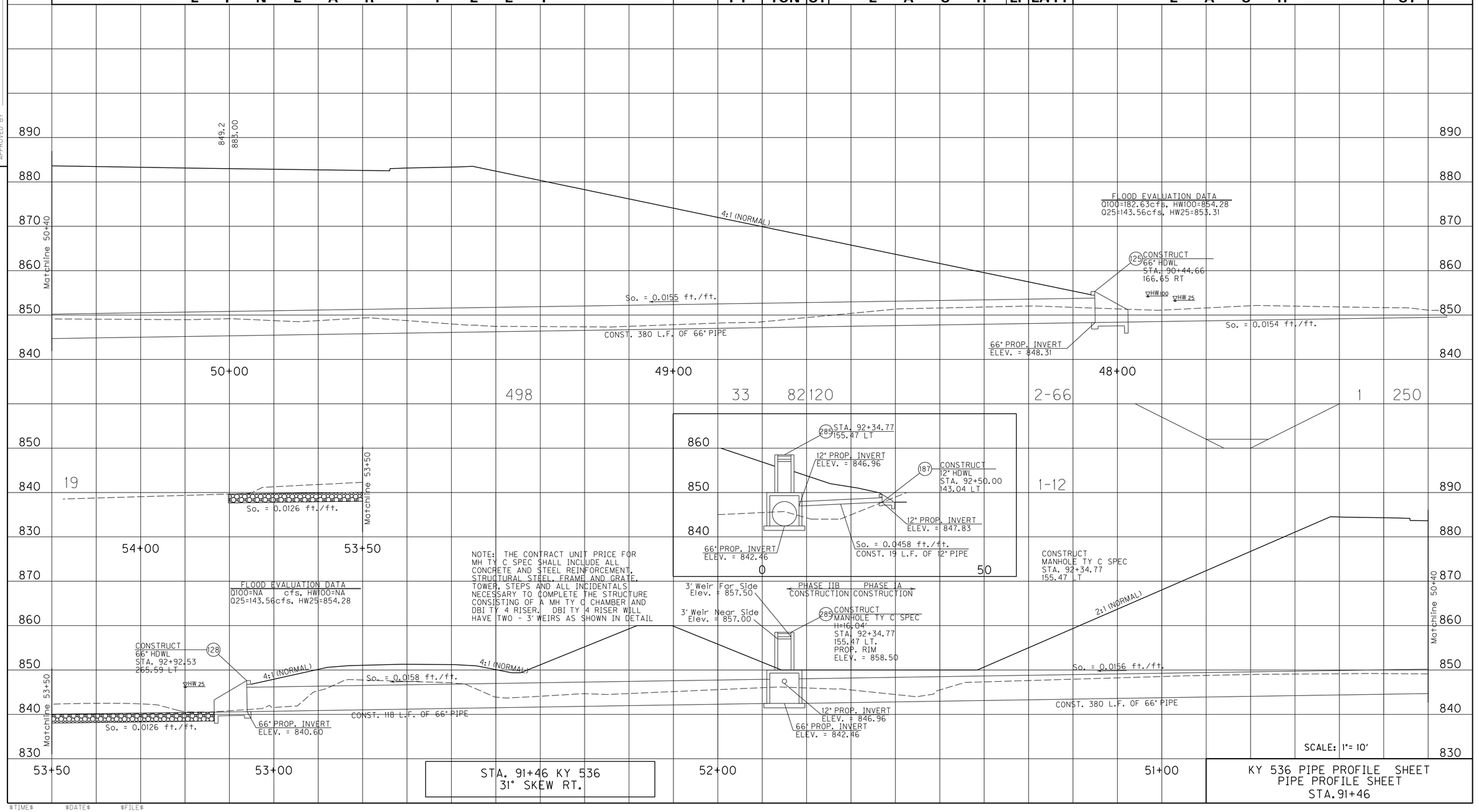
$TIME$ $DATE$ $FILE$

PIPE DRAINAGE SHEET 38 of 100

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R251

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

STORM SEWER PIPE (LINEAR FEET)												CULVERT PIPE (LINEAR FEET)			MAX. COVER HEIGHT	CHANNEL LINING		TURF REINF. MAT TYPE 3	CBI TYPE A	DBI TYPE 1	DBI TYPE 3	DBI TYPE 4	DBI TYPE 11	DBI TYPE 13	DBI TYPE 15	DBI TYPE 16	SLOTTED DRAIN PIPE 12"	STANDARD HEADWALLS	S&F Box Inlet-Outlet				MANHOLE TYPE			DITCH EXCAVATION
12	15	18	24	30	36	42	48	54	60	66	72 Equiv.	18	24	30		CLASS II	CLASS III													18	24	30	36	A	B	C	
LINEAR FEET															FT	TON		CY	EACH								LF	EA/TY	EACH							CY



USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME: R2510OPD

$TIME$ $DATE$ $FILE$

PIPE DRAINAGE SHEET 39 of 100

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R252

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

| STORM SEWER PIPE | | | | | | | | | | | | CULVERT PIPE | | | | CHANNEL LINING | | | | | | | | | | | |

PIPE DRAINAGE SHEET 40 of 100

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R253

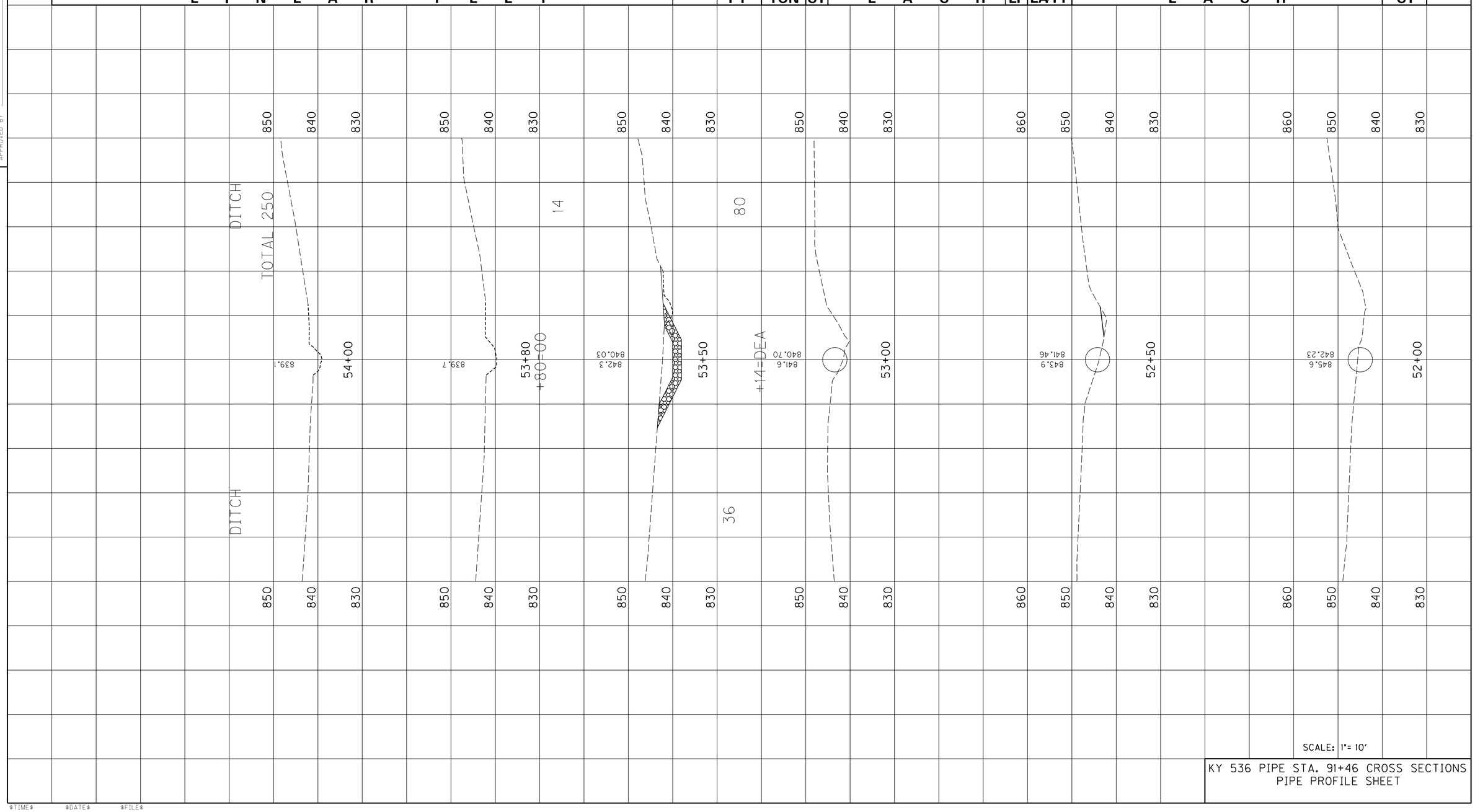
PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

| STORM SEWER PIPE | | | | | | | | | | | | CULVERT PIPE | | | | CHANNEL LINING | | | | | | | | | | | |

PIPE DRAINAGE SHEET 41 of 100

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R254

STORM SEWER PIPE												CULVERT PIPE				CHANNEL LINING																				
12	15	18	24	30	36	42	48	54	60	66	72 Equiv.	18	24	30	MAX. COVER HEIGHT	CLASS II	CLASS III	TURF REINF. MAT TYPE 3	CBI TYPE A	DBI TYPE 1	DBI TYPE 3	DBI TYPE 4	DBI TYPE 11	DBI TYPE 13	DBI TYPE 15	DBI TYPE 16	SLOTTED DRAIN PIPE 12"	STANDARD HEADWALLS	S&F Box Inlet-Outlet				MANHOLE TYPE			DITCH EXCAVATION
LINEAR FEET															FT	TON		CY	EACH								LF	EA/TY	EACH							CY



SCALE: 1"= 10'

KY 536 PIPE STA. 91+46 CROSS SECTIONS
PIPE PROFILE SHEET

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME: R25400PD

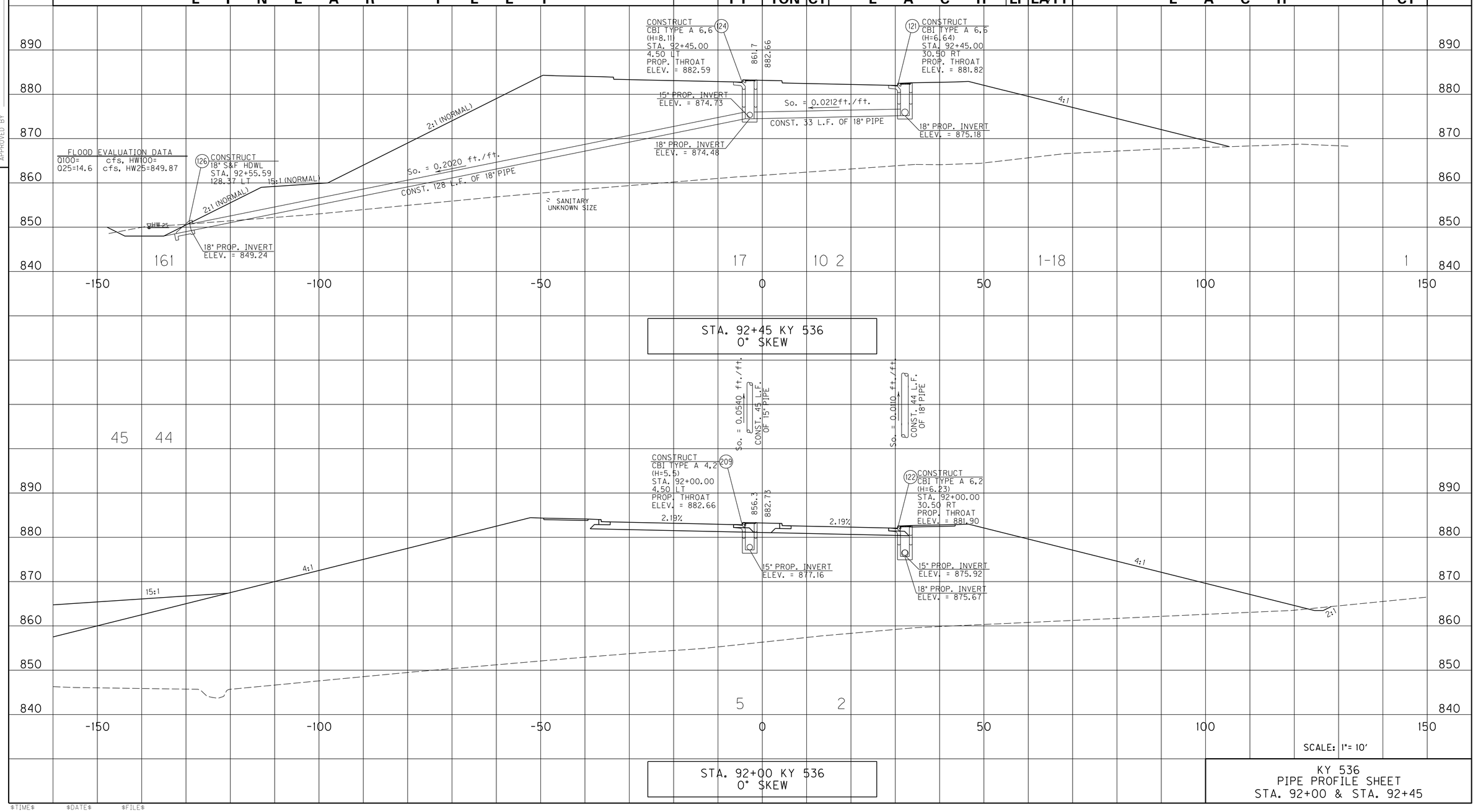
$TIME$ $DATE$ $FILE$

PIPE DRAINAGE SHEET 42 of 100

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R255

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

STORM SEWER PIPE													CULVERT PIPE				CHANNEL LINING											S&F Box Inlet-Outlet				MANHOLE TYPE				
12	15	18	24	30	36	42	48	54	60	66	72 Equiv.		18	24	30	MAX. COVER HEIGHT	CLASS II	CLASS III	TURF REINF. MAT TYPE 3	CBI TYPE A	DBI TYPE 1	DBI TYPE 3	DBI TYPE 4	DBI TYPE 11	DBI TYPE 13	DBI TYPE 15	DBI TYPE 16	SLOTTED DRAIN PIPE 12"	STANDARD HEADWALLS	18	24	30	36	A	B	C	DITCH EXCAVATION	
LINEAR FEET																FT	TON		CY	EACH								LF	EA/TY	EACH						CY	
		161														17			10 2										1-18								1	



SCALE: 1"= 10'

KY 536
PIPE PROFILE SHEET
STA. 92+00 & STA. 92+45

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME: R25500PD

$TIME$ $DATE$ $FILE$

PIPE DRAINAGE SHEET 43 of 100

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R256

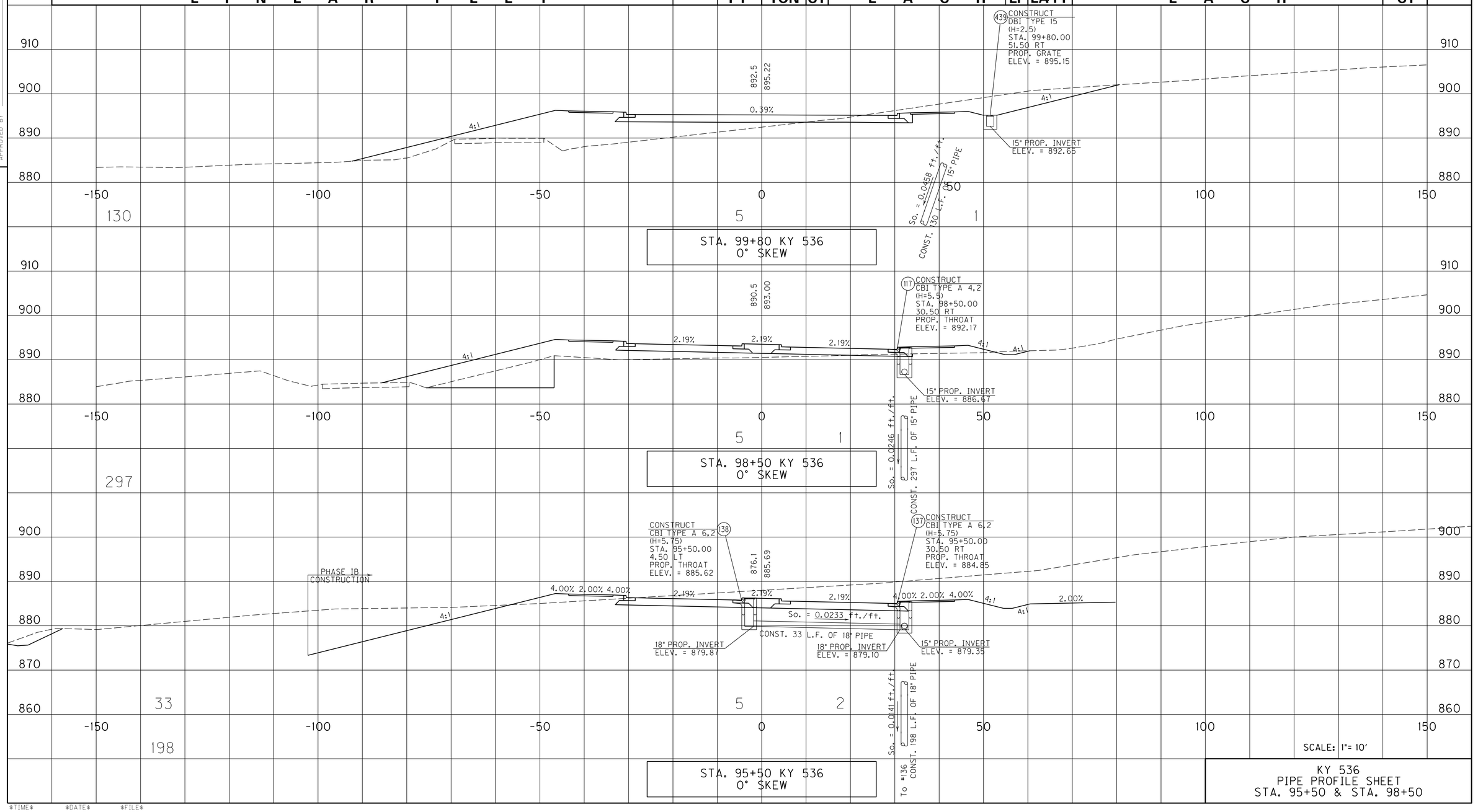
STORM SEWER PIPE												CULVERT PIPE			MAX. COVER HEIGHT	CHANNEL LINING		TURF REINF. MAT TYPE 3	CBI TYPE A	DBI TYPE 1	DBI TYPE 3	DBI TYPE 4	DBI TYPE 11	DBI TYPE 13	DBI TYPE 15	DBI TYPE 16	SLOTTED DRAIN PIPE 12"	STANDARD HEADWALLS	S&F Box Inlet-Outlet				MANHOLE TYPE			DITCH EXCAVATION	
12	15	18	24	30	36	42	48	54	60	66	72 Equiv.	18	24	30		CLASS II	CLASS III												18	24	30	36	A	B	C	
LINEAR FEET															FT	TON		CY	EACH								LF	EA/TY	EACH							CY

PIPE DRAINAGE SHEET 44 of 100

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R257

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

STORM SEWER PIPE (LINEAR FEET)													CULVERT PIPE			MAX. COVER HEIGHT	CHANNEL LINING		TURF REINF. MAT TYPE 3	CBI TYPE A	DBI TYPE 1	DBI TYPE 3	DBI TYPE 4	DBI TYPE 11	DBI TYPE 13	DBI TYPE 15	DBI TYPE 16	SLOTTED DRAIN PIPE 12"	STANDARD HEADWALLS	S&F Box Inlet-Outlet				MANHOLE TYPE			DITCH EXCAVATION	
12	15	18	24	30	36	42	48	54	60	66	72 Equiv.		18	24	30		CLASS II	CLASS III												18	24	30	36	A	B	C	
LINEAR FEET																FT	TON		CY	EACH								LF	EA/TY	EACH							CY



SCALE: 1"= 10'

KY 536
PIPE PROFILE SHEET
STA. 95+50 & STA. 98+50

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specifications$$$$
E-SHEET NAME: R25700PD

$TIME$ $DATE$ $FILE$

R/W REV. 8 JANUARY 26, 2015

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R258

PIPE DRAINAGE SHEET 45 of 100

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

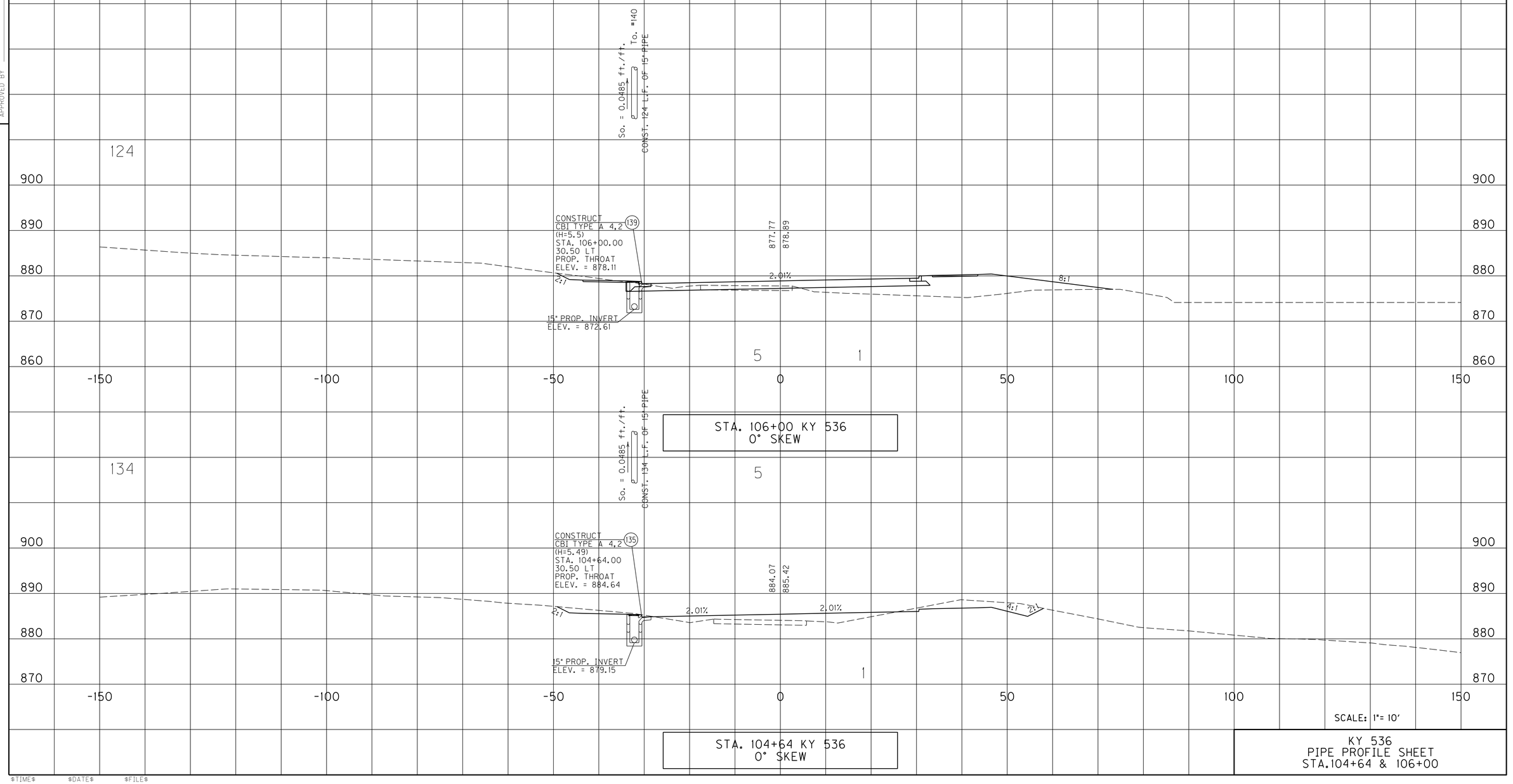
| STORM SEWER PIPE | | | | | | | | | | | | | CULVERT PIPE | | | | CHANNEL LINING | | | | | | | | | | | | |

PIPE DRAINAGE SHEET 46 of 100

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R259

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

STORM SEWER PIPE (LINEAR FEET)													CULVERT PIPE (LINEAR FEET)			MAX. COVER HEIGHT	CHANNEL LINING		TURF REINF. MAT TYPE 3	CBI TYPE A	DBI TYPE 1	DBI TYPE 3	DBI TYPE 4	DBI TYPE 11	DBI TYPE 13	DBI TYPE 15	DBI TYPE 16	SLOTTED DRAIN PIPE 12"	STANDARD HEADWALLS	S&F Box Inlet-Outlet				MANHOLE TYPE			DITCH EXCAVATION	
12	15	18	24	30	36	42	48	54	60	66	72 Equiv.	18	24	30		CLASS II	CLASS III													18	24	30	36	A	B	C	
															FT	TON		CY	EACH								LF	EA/TY	EACH							CY	



SCALE: 1"= 10'

KY 536
PIPE PROFILE SHEET
STA.104+64 & 106+00

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME: R25900PD

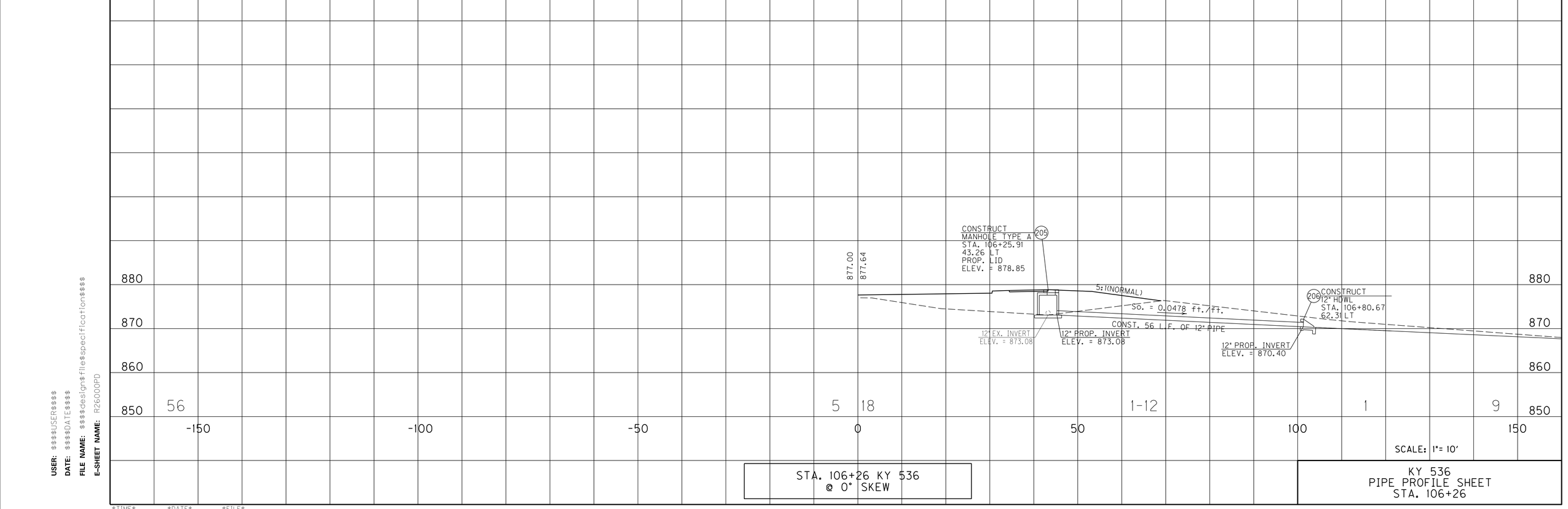
$TIME$ $DATE$ $FILE$

PIPE DRAINAGE SHEET 47 of 100

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R260

PREPARED BY DATE
CHECKED BY DATE
APPROVED BY DATE

STORM SEWER PIPE (LINEAR FEET)												CULVERT PIPE (LINEAR FEET)				CHANNEL LINING																										
12	15	18	24	30	36	42	48	54	60	66	72 Equiv.	18	24	30	MAX. COVER HEIGHT	CLASS II	CLASS III	TURF REINF. MAT TYPE 3	CBI TYPE A	DBI TYPE 1	DBI TYPE 3	DBI TYPE 4	DBI TYPE 11	DBI TYPE 13	DBI TYPE 15	DBI TYPE 16	SLOTTED DRAIN PIPE 12"	STANDARD HEADWALLS	S&F Box Inlet-Outlet 18	S&F Box Inlet-Outlet 24	S&F Box Inlet-Outlet 30	S&F Box Inlet-Outlet 36	MANHOLE TYPE A	MANHOLE TYPE B	MANHOLE TYPE C	DITCH EXCAVATION	
															FT	TON		CY				EACH				LF	EA/TY			EACH				CY	



STA. 106+26 KY 536
@ 0° SKEW

KY 536
PIPE PROFILE SHEET
STA. 106+26

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME: R26000PD

$TIME$ $DATE$ $FILE$

PIPE DRAINAGE SHEET 48 of 100

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R261

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

| STORM SEWER PIPE | | | | | | | | | | | | CULVERT PIPE | | | | CHANNEL LINING | | | | | | | | | | | |

PIPE DRAINAGE SHEET 49 of 100

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R262

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

| STORM SEWER PIPE | | | | | | | | | | | | | CULVERT PIPE | | | | CHANNEL LINING | | | | | | | | | | | | |

PIPE DRAINAGE SHEET 50 of 100

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R263

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

STORM SEWER PIPE												CULVERT PIPE				CHANNEL LINING													S&F Box Inlet-Outlet				MANHOLE TYPE				
12	15	18	24	30	36	42	48	54	60	66	72 Equiv.	18	24	30	MAX. COVER HEIGHT	CLASS II	CLASS III	TURF REINF. MAT TYPE 3	CBI TYPE A	DBI TYPE 1	DBI TYPE 3	DBI TYPE 4	DBI TYPE 11	DBI TYPE 13	DBI TYPE 15	DBI TYPE 16	SLOTTED DRAIN PIPE 12"	STANDARD HEADWALLS	18	24	30	36	A	B	C	DITCH EXCAVATION	
LINEAR FEET															FT	TON		CY	EACH								LF	EA/TY	EACH							CY	
	99														7			1																			
	100																																			
	90														6			2															1				

-100 -50 0 50 100 150 200

-150 -100 -50 0 50 100 150

870 860 850 840 830

880 870 860 850 840

856.20
856.83

(154) CONSTRUCT
CBI TYPE A 4.2
(H=6.0)
STA. 110+60.00
30.50 RT
PROP. THROAT
ELEV. = 856.05

2.00%

6:1

So. = 0.0740 ft./ft.

15" PROP. INVERT
ELEV. = 850.05

COST 99 L.F. OF 15" PIPE

(155) EX. MANHOLE
STA. 111+46.42
85.48 RT
EX. LID
ELEV. = 849.31

15" PROP. INVERT
ELEV. = 842.76

30" EX. INVERT
ELEV. = 841.51

STA. 110+60 KY 536
@ 0° SKEW

So. = 0.0420 ft./ft.

To #145

CONST. 100 L.F. OF 18" PIPE

CONSTRUCT
CBI TYPE A 6.2
(H=5.75)
STA. 49+25.00
14.00 RT
PROP. THROAT
ELEV. = 858.27

(144)

857.79
858.12

(143) CONSTRUCT
CBI TYPE A 6.2
(H=6.31)
STA. 49+25.00
14.00 LT
PROP. THROAT
ELEV. = 858.27

CONSTRUCT
MH TYPE A
STA. 110+50.00
32.17 LT
PROP. LID
ELEV. = 857.22

(29)

856.2
857.29

2:1

1.50%

2.00%

So. = 0.0180 ft./ft.

Ex. 8" Water

Approx. CONST. 32 L.F. OF 18" PIPE

18" PROP. INVERT
ELEV. = 852.52

18" PROP. INVERT
ELEV. = 851.96

So. = 0.0200 ft./ft.

Ex. 15" Storm

CONST. 58 L.F. OF 18" PIPE

18" PROP. INVERT
ELEV. = 850.80

Ex. 12" Water Main

2.00%

STA. 110+50 KY 536
0° SKEW

SCALE: 1"= 10'

KY 536
PIPE PROFILE SHEET
STA.110+50 & 110+60

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME: R26300PD

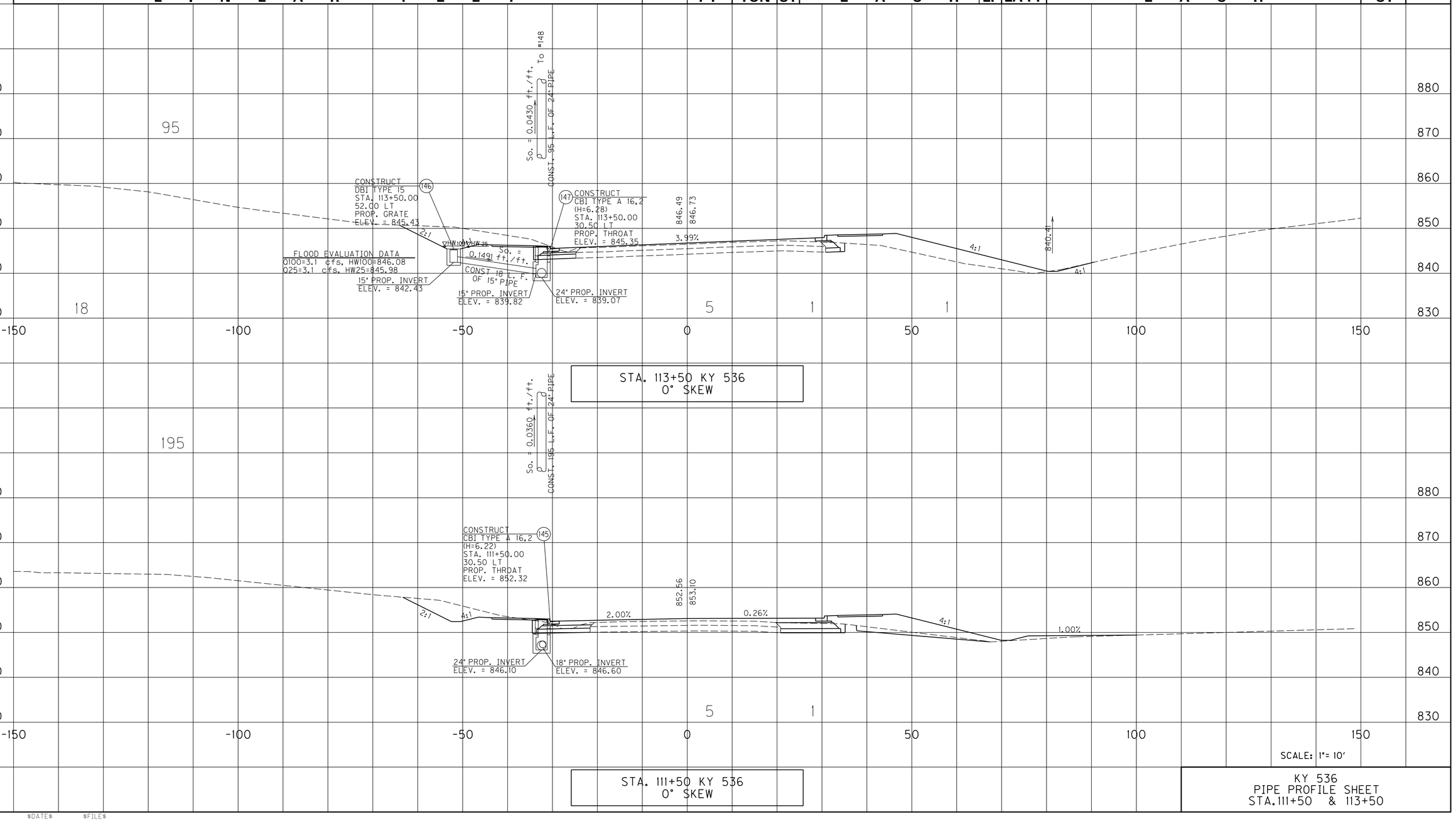
$TIME$ $DATE$ $FILE$

PIPE DRAINAGE SHEET 51 of 100

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R264

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

STORM SEWER PIPE												CULVERT PIPE			MAX. COVER HEIGHT	CHANNEL LINING		TURF REINF. MAT TYPE 3	CBI TYPE A	DBI TYPE 1	DBI TYPE 3	DBI TYPE 4	DBI TYPE 11	DBI TYPE 13	DBI TYPE 15	DBI TYPE 16	SLOTTED DRAIN PIPE 12"	STANDARD HEADWALLS	S&F Box Inlet-Outlet				MANHOLE TYPE			DITCH EXCAVATION
12	15	18	24	30	36	42	48	54	60	66	72 Equiv.	18	24	30		CLASS II	CLASS III												18	24	30	36	A	B	C	
LINEAR FEET															FT	TON		CY	EACH								LF	EA/TY	EACH							CY



USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME: R26400PD

$TIME$ $DATE$ $FILE$

PIPE DRAINAGE SHEET 52 of 100

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R265

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

| STORM SEWER PIPE | | | | | | | | | | | | | CULVERT PIPE | | | | CHANNEL LINING | | | | | | | | | | | | |

PIPE DRAINAGE SHEET 53 of 100

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R266

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

STORM SEWER PIPE												CULVERT PIPE			MAX. COVER HEIGHT	CHANNEL LINING		TURF REINF. MAT TYPE 3	CBI TYPE A	DBI TYPE 1	DBI TYPE 3	DBI TYPE 4	DBI TYPE 11	DBI TYPE 13	DBI TYPE 15	DBI TYPE 16	JUNCTION BOX TYPE 11	STANDARD HEADWALLS	S&F Box Inlet-Outlet				MANHOLE TYPE			DITCH EXCAVATION
12	15	18	24	30	36	42	48	54	60	66	72 Equiv.	18	24	30		CLASS II	CLASS III												18	24	30	36	A	B	C	
LINEAR FEET															FT	TON		CY	EACH								EA	EA/TY	EACH							CY

STA. 117+44 RT. KY 536
@ 0° SKEW

STA. 117+43 KY 536
@ 0° SKEW

STA. 117+17 KY 536
0° SKEW

SCALE: 1"= 10'

KY 536
PIPE PROFILE SHEET
STA. 117+17 & 117+43

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME: R26600PD

$TIME$ $DATE$ $FILE$

PIPE DRAINAGE SHEET 54 of 100

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R267

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

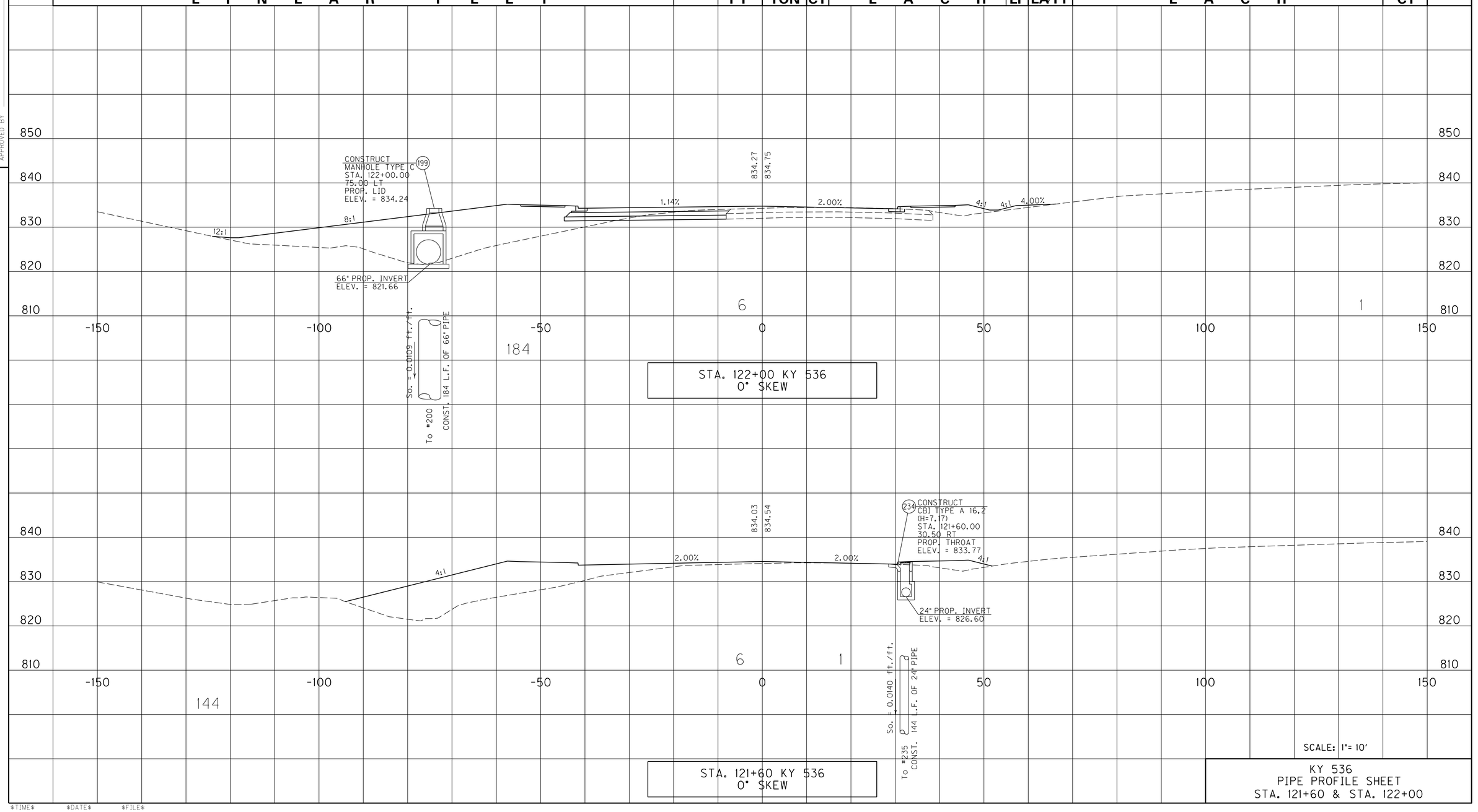
STORM SEWER PIPE (LINEAR FEET)												CULVERT PIPE (LINEAR FEET)			MAX. COVER HEIGHT	CHANNEL LINING		TURF REINF. MAT TYPE 3	CBI TYPE A	DBI TYPE 1	DBI TYPE 3	DBI TYPE 4	DBI TYPE 11	DBI TYPE 13	DBI TYPE 15	DBI TYPE 16	SLOTTED DRAIN PIPE 12"	STANDARD HEADWALLS	S&F Box Inlet-Outlet				MANHOLE TYPE			DITCH EXCAVATION
12	15	18	24	30	36	42	48	54	60	66	72 Equiv.	18	24	30	FT	CLASS II	CLASS III	CY	EACH								LF	EA/TY	18	24	30	36	A	B	C	CY
LINEAR FEET															FT	TON		CY	EACH								LF	EA/TY	EACH							CY

PIPE DRAINAGE SHEET 55 of 100

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R268

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

STORM SEWER PIPE (LINEAR FEET)												CULVERT PIPE (LINEAR FEET)			MAX. COVER HEIGHT (FT)	CHANNEL LINING (TON)		TURF REINF. MAT TYPE 3 (CY)	CBI TYPE A (EACH)	DBI TYPE 1 (EACH)	DBI TYPE 3 (EACH)	DBI TYPE 4 (EACH)	DBI TYPE 11 (EACH)	DBI TYPE 13 (EACH)	DBI TYPE 15 (EACH)	DBI TYPE 16 (EACH)	SLOTTED DRAIN PIPE 12" (LF)	STANDARD HEADWALLS (EA/TY)	S&F Box Inlet-Outlet (EACH)				MANHOLE TYPE (EACH)			DITCH EXCAVATION (CY)	
12	15	18	24	30	36	42	48	54	60	66	72 Equiv.	18	24	30		CLASS II	CLASS III													18	24	30	36	A	B	C		
										6					834.27		1																		1		
										184					834.75																							
										144					834.03																							
															834.54																							



SCALE: 1"= 10'

KY 536
PIPE PROFILE SHEET
STA. 121+60 & STA. 122+00

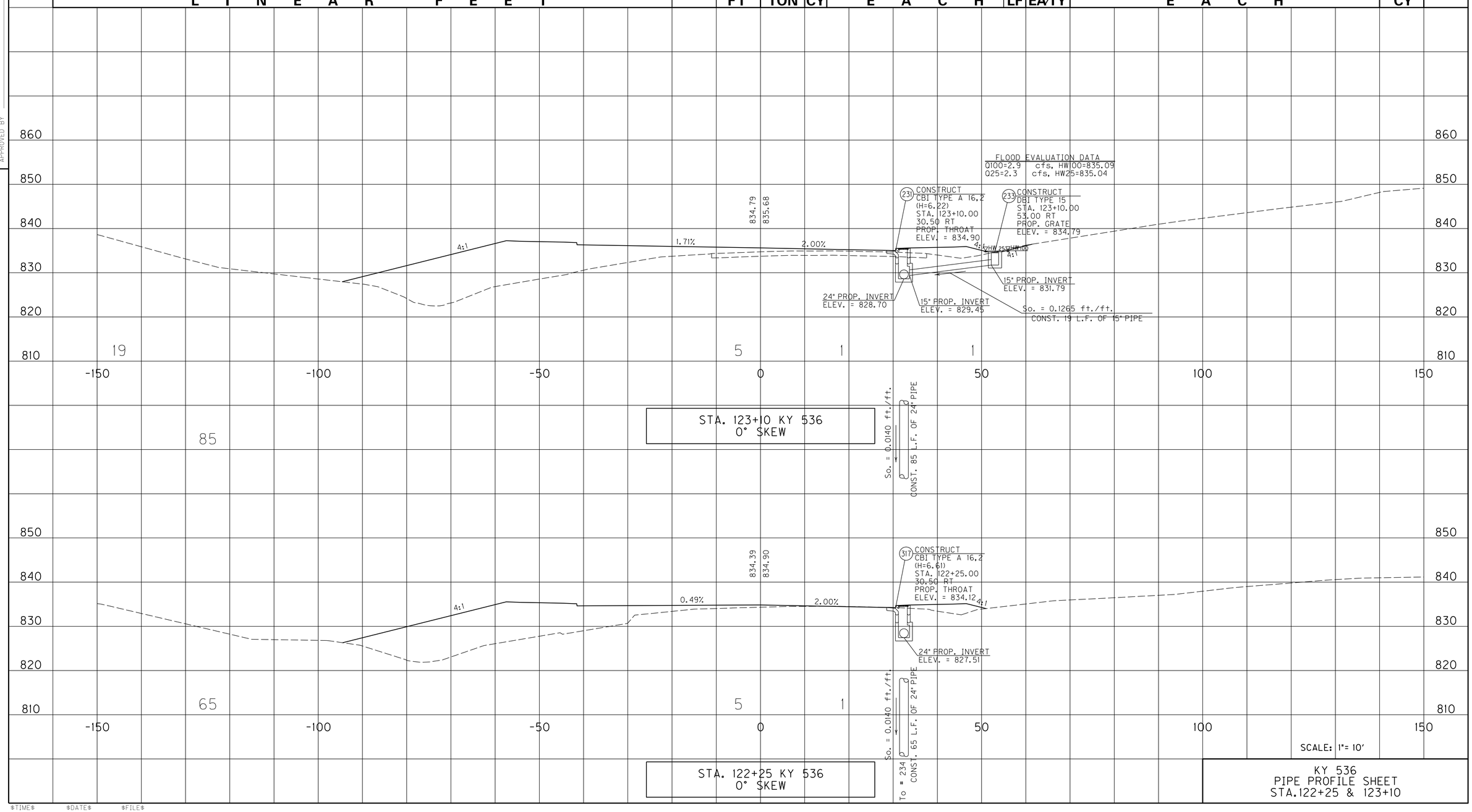
USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME: R26800PD

$TIME$ $DATE$ $FILE$

PIPE DRAINAGE SHEET 56 of 100

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R269

STORM SEWER PIPE												CULVERT PIPE				CHANNEL LINING																				
12	15	18	24	30	36	42	48	54	60	66	72 Equiv.	18	24	30	MAX. COVER HEIGHT	CLASS II	CLASS III	TURF REINF. MAT TYPE 3	CBI TYPE A	DBI TYPE 1	DBI TYPE 3	DBI TYPE 4	DBI TYPE 11	DBI TYPE 13	DBI TYPE 15	DBI TYPE 16	SLOTTED DRAIN PIPE 12"	STANDARD HEADWALLS	S&F Box Inlet-Outlet				MANHOLE TYPE			DITCH EXCAVATION
L I N E A R F E E T															FT	TON		CY	E A C H								LF	EA/TY	E A C H							CY



KY 536
PIPE PROFILE SHEET
STA.122+25 & 123+10

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

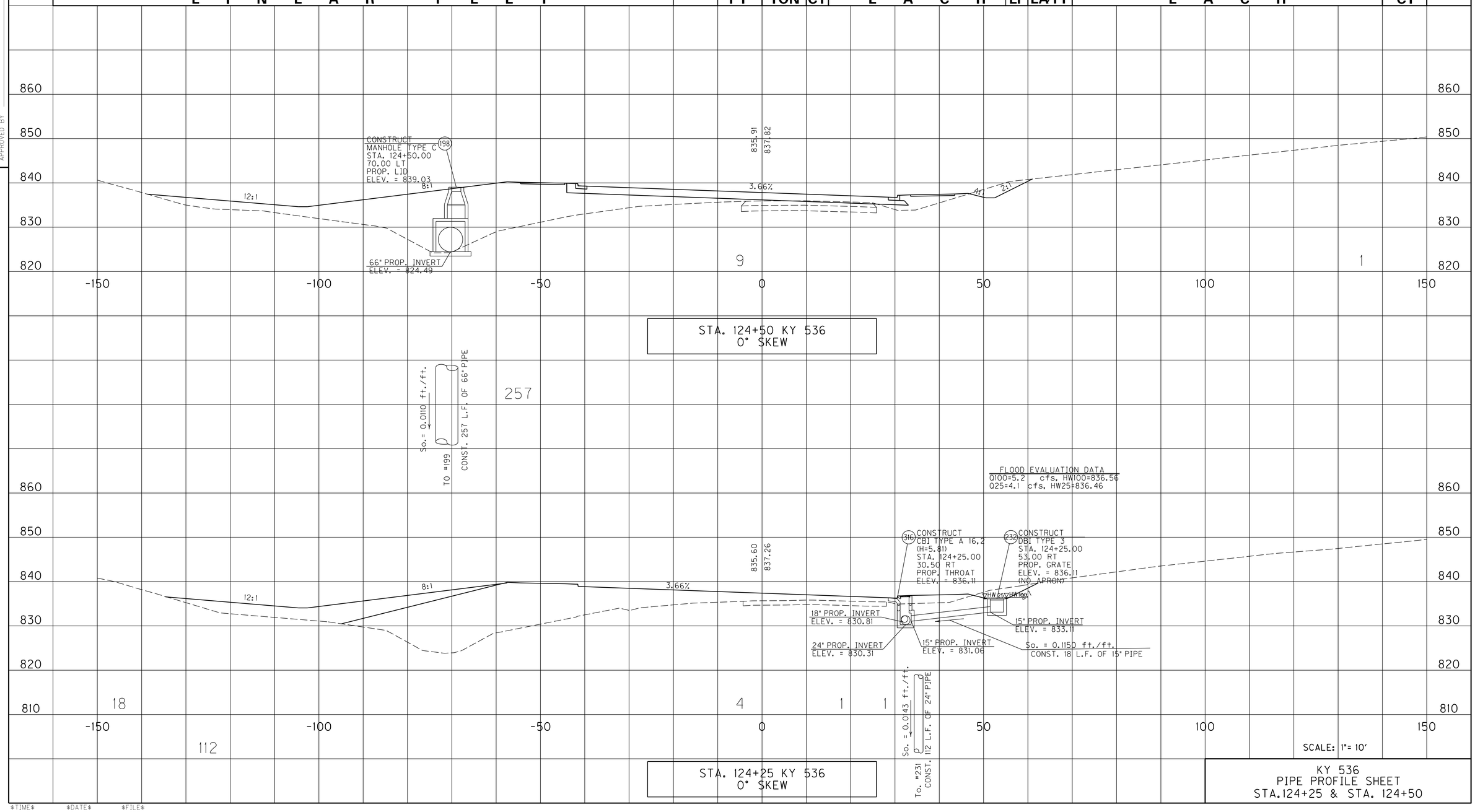
USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME: R26900PD

$TIME$ $DATE$ $FILE$

PIPE DRAINAGE SHEET 57 of 100

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R270

STORM SEWER PIPE												CULVERT PIPE				CHANNEL LINING																				
12	15	18	24	30	36	42	48	54	60	66	72 Equiv.	18	24	30	MAX. COVER HEIGHT	CLASS II	CLASS III	TURF REINF. MAT TYPE 3	CBI TYPE A	DBI TYPE 1	DBI TYPE 3	DBI TYPE 4	DBI TYPE 11	DBI TYPE 13	DBI TYPE 15	DBI TYPE 16	SLOTTED DRAIN PIPE 12"	STANDARD HEADWALLS	S&F Box Inlet-Outlet				MANHOLE TYPE			DITCH EXCAVATION
LINEAR FEET															FT	TON		CY	EACH								LF	EA/TY	EACH							CY



SCALE: 1"= 10'

KY 536
PIPE PROFILE SHEET
STA.124+25 & STA. 124+50

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME: R27000PD

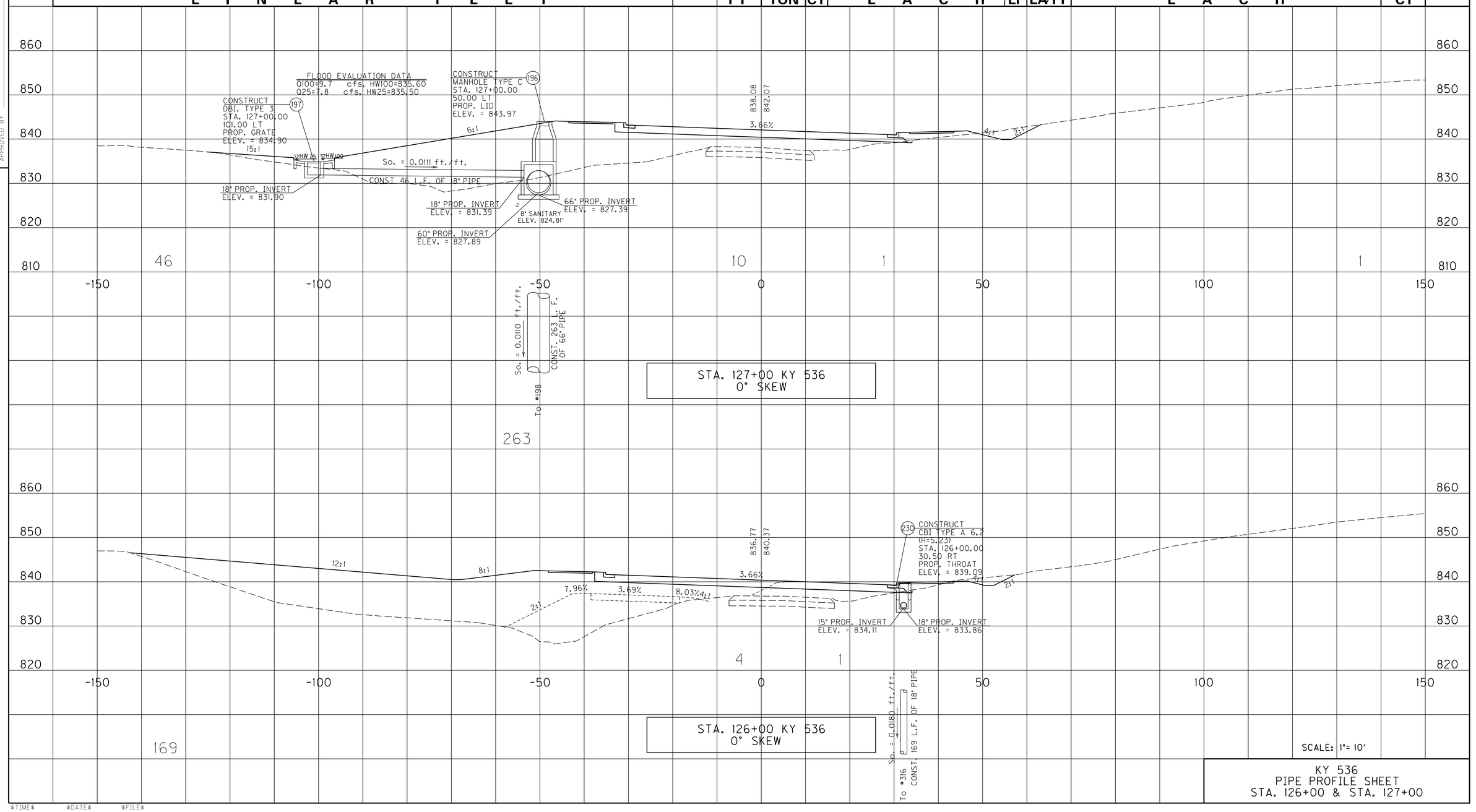
$TIME$ $DATE$ $FILE$

PIPE DRAINAGE SHEET 58 of 100

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R271

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

STORM SEWER PIPE												CULVERT PIPE				CHANNEL LINING													S&F Box Inlet-Outlet				MANHOLE TYPE				
12	15	18	24	30	36	42	48	54	60	66	72 Equiv.	18	24	30	MAX. COVER HEIGHT	CLASS II	CLASS III	TURF REINF. MAT TYPE 3	CBI TYPE A	DBI TYPE 1	DBI TYPE 3	DBI TYPE 4	DBI TYPE 11	DBI TYPE 13	DBI TYPE 15	DBI TYPE 16	SLOTTED DRAIN PIPE 12"	STANDARD HEADWALLS	18	24	30	36	A	B	C	DITCH EXCAVATION
LINEAR FEET															FT	TON		CY	EACH								LF	EA/TY	EACH						CY
		46													10				1															1	



SCALE: 1"= 10'

KY 536
PIPE PROFILE SHEET
STA. 126+00 & STA. 127+00

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME: R2710OPD

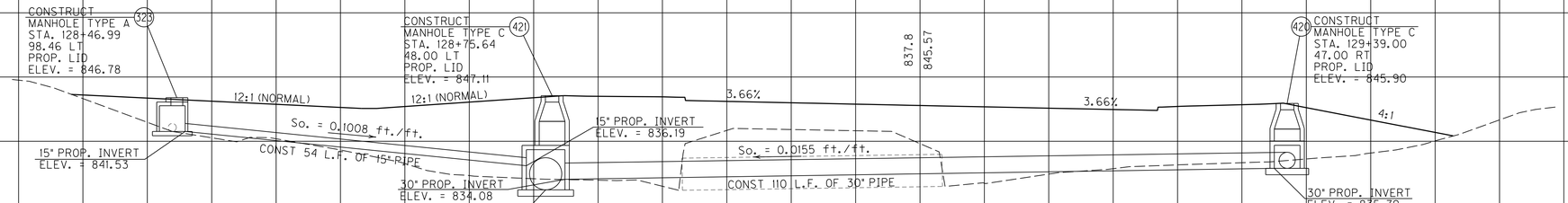
$TIME$ $DATE$ $FILE$

PIPE DRAINAGE SHEET 59 of 100

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R272

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

STORM SEWER PIPE												CULVERT PIPE				CHANNEL LINING													S&F Box Inlet-Outlet				MANHOLE TYPE				
12	15	18	24	30	36	42	48	54	60	66	72 Equiv.	18	24	30	MAX. COVER HEIGHT	CLASS II	CLASS III	TURF REINF. MAT TYPE 3	CBI TYPE A	DBI TYPE 1	DBI TYPE 3	DBI TYPE 4	DBI TYPE 11	DBI TYPE 13	DBI TYPE 15	DBI TYPE 16	SLOTTED DRAIN PIPE 12"	STANDARD HEADWALLS	18	24	30	36	A	B	C	DITCH EXCAVATION
LINEAR FEET															FT	TON		CY	EACH								LF	EA/TY	EACH						CY
	54			110											10																		1		2	

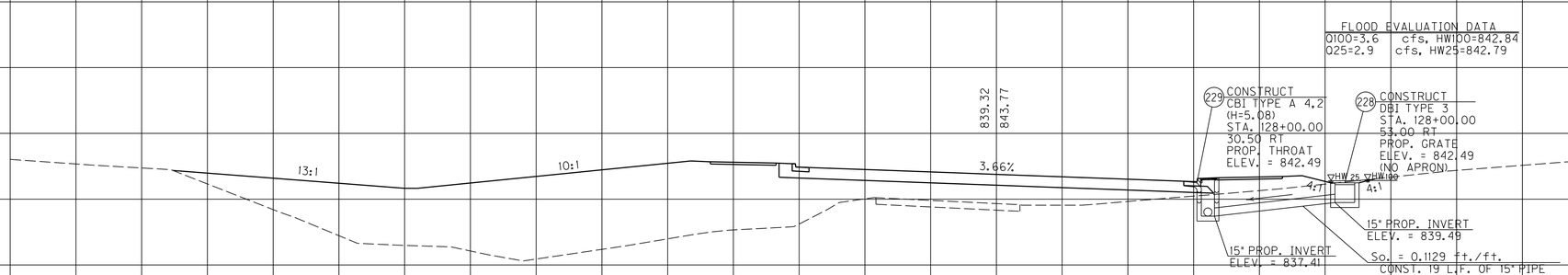


183

So. = 0.0248 ft./ft.
CONST. 183 L.F. OF 60" PIPE
To #196

STA. 129+05.98 KY 536
33° 39'17" SKEW LT.

FLOOD EVALUATION DATA
Q100=3.6 cfs, HW100=842.84
Q25=2.9 cfs, HW25=842.79



19
193

4 1 1

STA. 128+00 KY 536
0° SKEW

SCALE: 1"= 10'

KY 536
PIPE PROFILE SHEET
STA.128+00 & 129+05.98

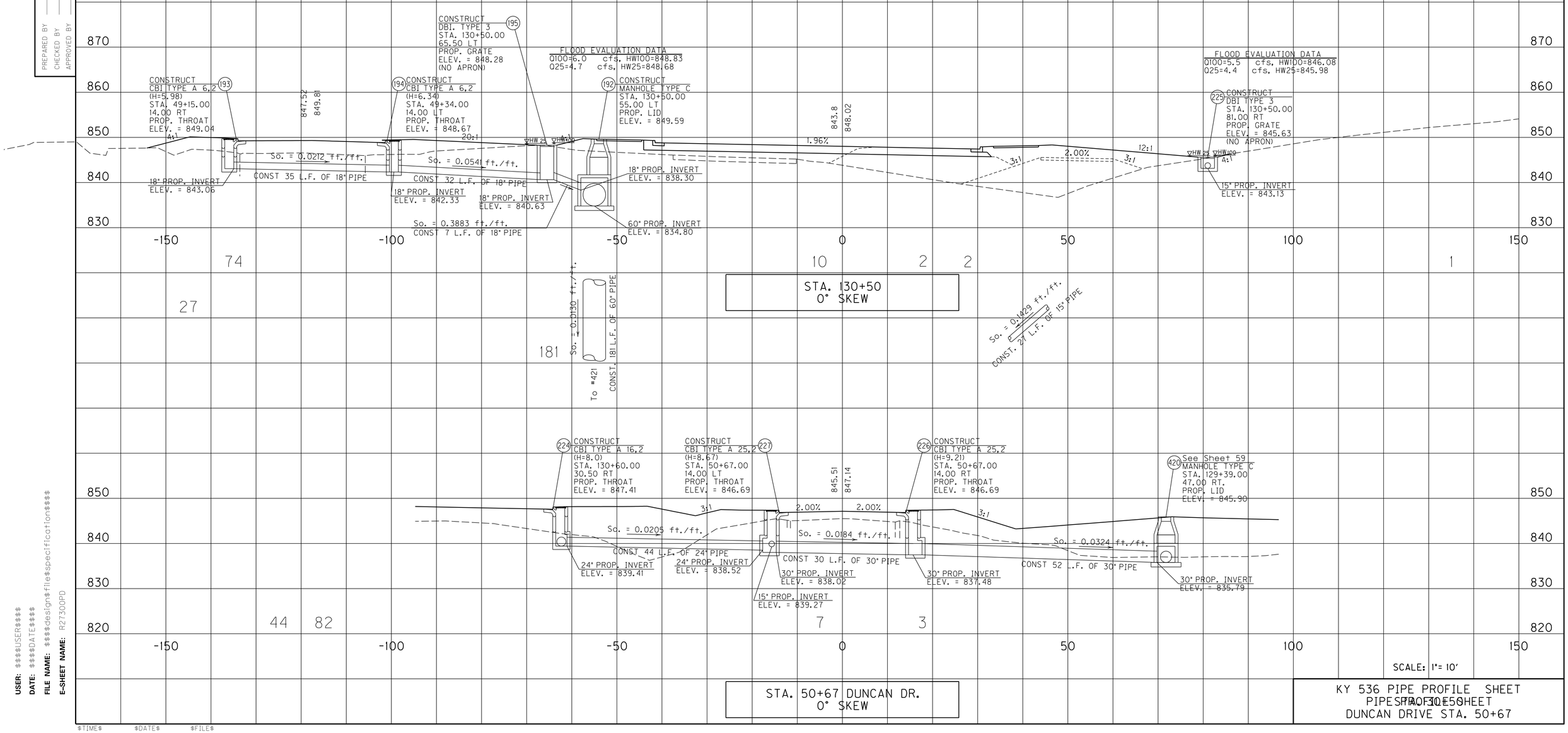
USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME: R27200PD

$TIME$ $DATE$ $FILE$

PIPE DRAINAGE SHEET 60 of 100

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R273

STORM SEWER PIPE												CULVERT PIPE				CHANNEL LINING																		
12	15	18	24	30	36	42	48	54	60	66	72 Equiv.	18	24	30	MAX. COVER HEIGHT	CLASS II	CLASS III	TURF REINF. MAT TYPE 3	CBI TYPE A	DBI TYPE 1	DBI TYPE 3	DBI TYPE 4	DBI TYPE 11	DBI TYPE 13	DBI TYPE 15	DBI TYPE 16	SLOTTED DRAIN PIPE 12"	STANDARD HEADWALLS	S&F Box Inlet-Outlet				MANHOLE TYPE			DITCH EXCAVATION
LINEAR FEET															FT	TON		CY	EACH								LF	EA/TY	EACH							CY



SCALE: 1"= 10'

STA. 50+67 DUNCAN DR.
0° SKEW

KY 536 PIPE PROFILE SHEET
PIPE PROFILE SHEET
DUNCAN DRIVE STA. 50+67

PREPARED BY DATE
CHECKED BY DATE
APPROVED BY DATE

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME: R27300PD

$TIME$ $DATE$ $FILE$

PIPE DRAINAGE SHEET 61 of 100

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R274

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

| STORM SEWER PIPE | | | | | | | | | | | | | CULVERT PIPE | | | | CHANNEL LINING | | | | | | | | | | | | |

PIPE DRAINAGE SHEET 63 of 100

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R276

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

STORM SEWER PIPE												CULVERT PIPE				CHANNEL LINING															S&F Box Inlet-Outlet				MANHOLE TYPE				
12	15	18	24	30	36	42	48	54	60	66	72 Equiv.	18	24	30	MAX. COVER HEIGHT	CLASS II	CLASS III	TURF REINF. MAT TYPE 3	CBI TYPE A	DBI TYPE 1	DBI TYPE 3	DBI TYPE 4	DBI TYPE 11	DBI TYPE 13	DBI TYPE 15	DBI TYPE 16	SLOTTED DRAIN PIPE 12"	STANDARD HEADWALLS	18	24	30	36	A	B	C	DITCH EXCAVATION	
LINEAR FEET															FT	TON		CY	EACH								LF	EA/TY	EACH							CY	
	69														8			1						1														
		190																																			

PIPE DRAINAGE SHEET 63 of 100

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R276

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

STORM SEWER PIPE												CULVERT PIPE				CHANNEL LINING															S&F Box Inlet-Outlet				MANHOLE TYPE				
12	15	18	24	30	36	42	48	54	60	66	72 Equiv.	18	24	30	MAX. COVER HEIGHT	CLASS II	CLASS III	TURF REINF. MAT TYPE 3	CBI TYPE A	DBI TYPE 1	DBI TYPE 3	DBI TYPE 4	DBI TYPE 11	DBI TYPE 13	DBI TYPE 15	DBI TYPE 16	SLOTTED DRAIN PIPE 12"	STANDARD HEADWALLS	18	24	30	36	A	B	C	DITCH EXCAVATION	
LINEAR FEET															FT	TON		CY	EACH								LF	EA/TY	EACH							CY	
	69														8			1						1														
		190																																			

PIPE DRAINAGE SHEET 64 of 100

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R277

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

STORM SEWER PIPE												CULVERT PIPE				CHANNEL LINING													S&F Box Inlet-Outlet				MANHOLE TYPE					
12	15	18	24	30	36	42	48	54	60	66	72 Equiv.	18	24	30	MAX. COVER HEIGHT	CLASS II	CLASS III	TURF REINF. MAT TYPE 3	CBI TYPE A	DBI TYPE 1	DBI TYPE 3	DBI TYPE 4	DBI TYPE 11	DBI TYPE 13	DBI TYPE 15	DBI TYPE 16	SLOTTED DRAIN PIPE 12"	STANDARD HEADWALLS	18	24	30	36	A	B	C	DITCH EXCAVATION	
LINEAR FEET															FT	TON		CY	EACH								LF	EA/TY	EACH							CY	

PIPE DRAINAGE SHEET 65 of 100

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R278

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

| STORM SEWER PIPE | | | | | | | | | | | | CULVERT PIPE | | | | CHANNEL LINING | | | | | | | | | | | |

PIPE DRAINAGE SHEET 66 of 100

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R279

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

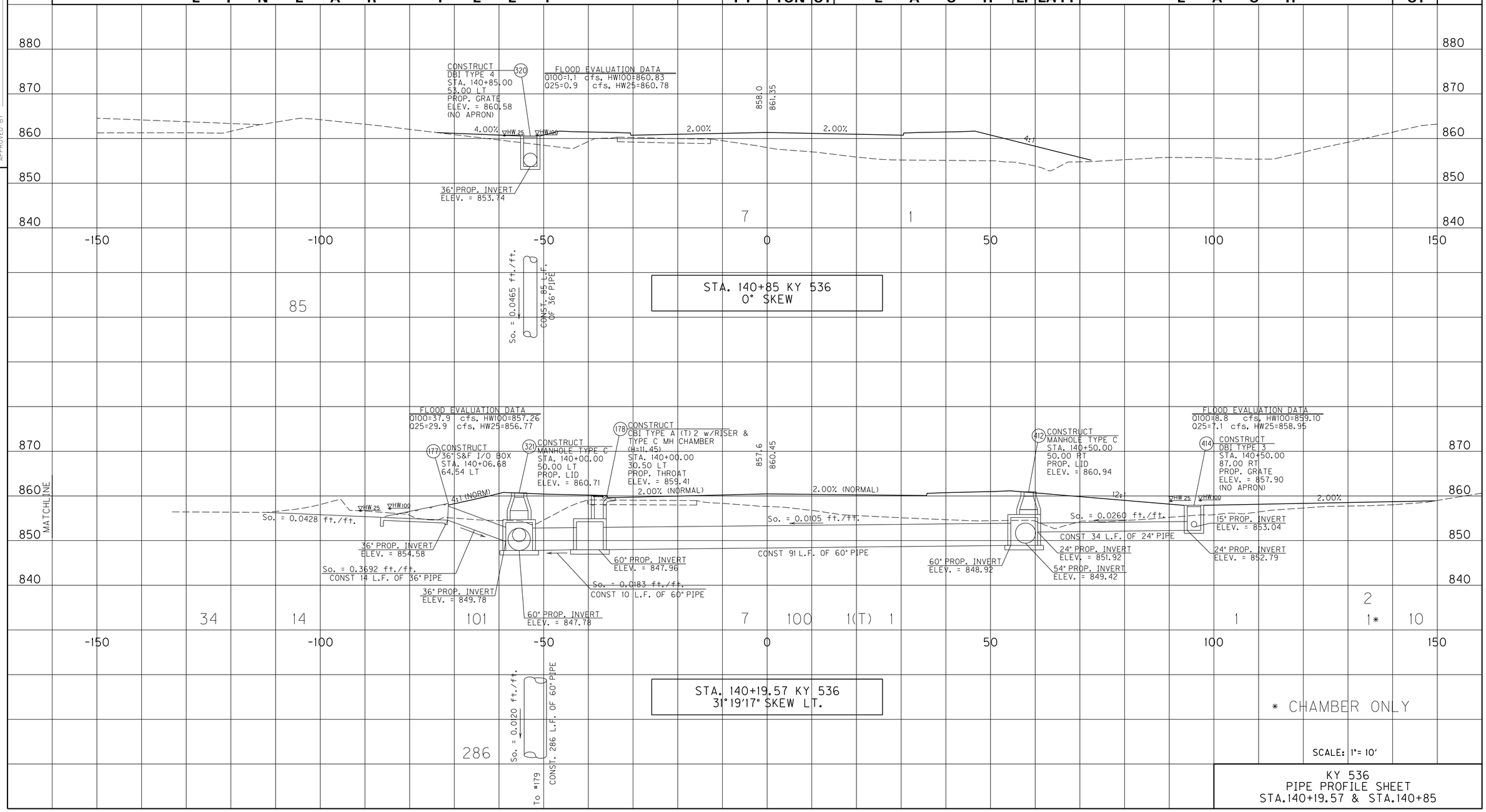
| STORM SEWER PIPE | | | | | | | | | | | | | CULVERT PIPE | | | | CHANNEL LINING | | | | | | | | | | | | |

PIPE DRAINAGE SHEET 67 of 100

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R280

PREPARED BY DATE
CHECKED BY DATE
APPROVED BY DATE

STORM SEWER PIPE (LINEAR FEET)													CULVERT PIPE			MAX. COVER HEIGHT	CHANNEL LINING		TURF REINF. MAT TYPE 3	CBI TYPE A	DBI TYPE 1	DBI TYPE 3	DBI TYPE 4	DBI TYPE 11	DBI TYPE 13	DBI TYPE 15	DBI TYPE 16	SLOTTED DRAIN PIPE 12"	STANDARD HEADWALLS	S&F Box Inlet-Outlet				MANHOLE TYPE			DITCH EXCAVATION
12	15	18	24	30	36	42	48	54	60	66	72 Equiv.		18	24	30		CLASS II	CLASS III												18	24	30	36	A	B	C	
LINEAR FEET																FT	TON		CY	EACH								LF	EA/TY	EACH							CY



KY 536
PIPE PROFILE SHEET
STA.140+19.57 & STA.140+85

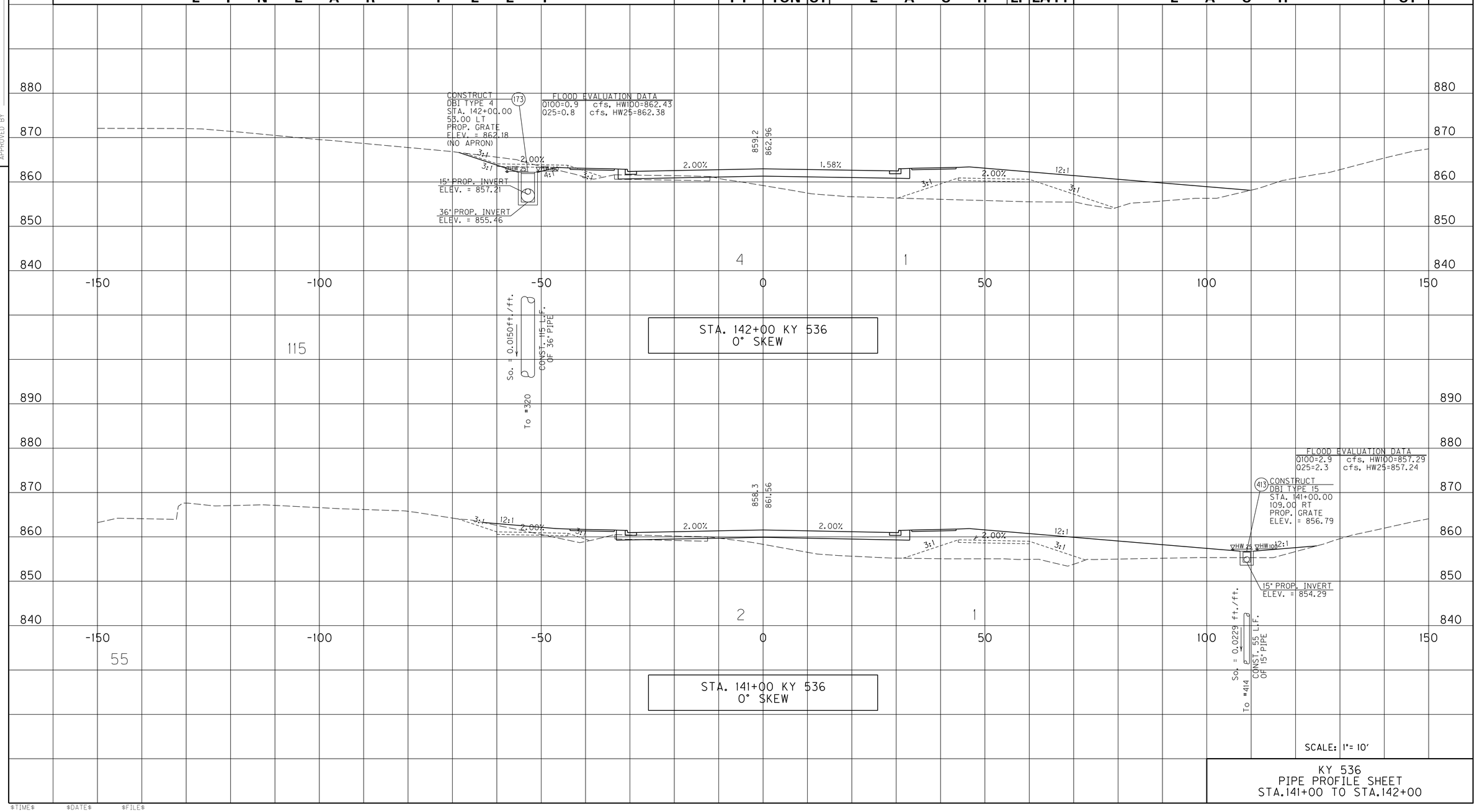
USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME: R28000PD

PIPE DRAINAGE SHEET 68 of 100

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R281

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

STORM SEWER PIPE (LINEAR FEET)													CULVERT PIPE (LINEAR FEET)			MAX. COVER HEIGHT (FT)	CHANNEL LINING (TON)		TURF REINF. MAT TYPE 3 (CY)	CBI TYPE A (EACH)	DBI TYPE 1 (EACH)	DBI TYPE 3 (EACH)	DBI TYPE 4 (EACH)	DBI TYPE 11 (EACH)	DBI TYPE 13 (EACH)	DBI TYPE 15 (EACH)	DBI TYPE 16 (EACH)	SLOTTED DRAIN PIPE 12" (LF)	STANDARD HEADWALLS (EA/TY)	S&F Box Inlet-Outlet (EACH)				MANHOLE TYPE (EACH)			DITCH EXCAVATION (CY)	
12	15	18	24	30	36	42	48	54	60	66	72 Equiv.		18	24	30		CLASS II	CLASS III													18	24	30	36	A	B	C	
																FT	TON		CY	EACH								LF	EA/TY	EACH							CY	



SCALE: 1"= 10'

KY 536
PIPE PROFILE SHEET
STA.141+00 TO STA.142+00

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME: R2810OPD

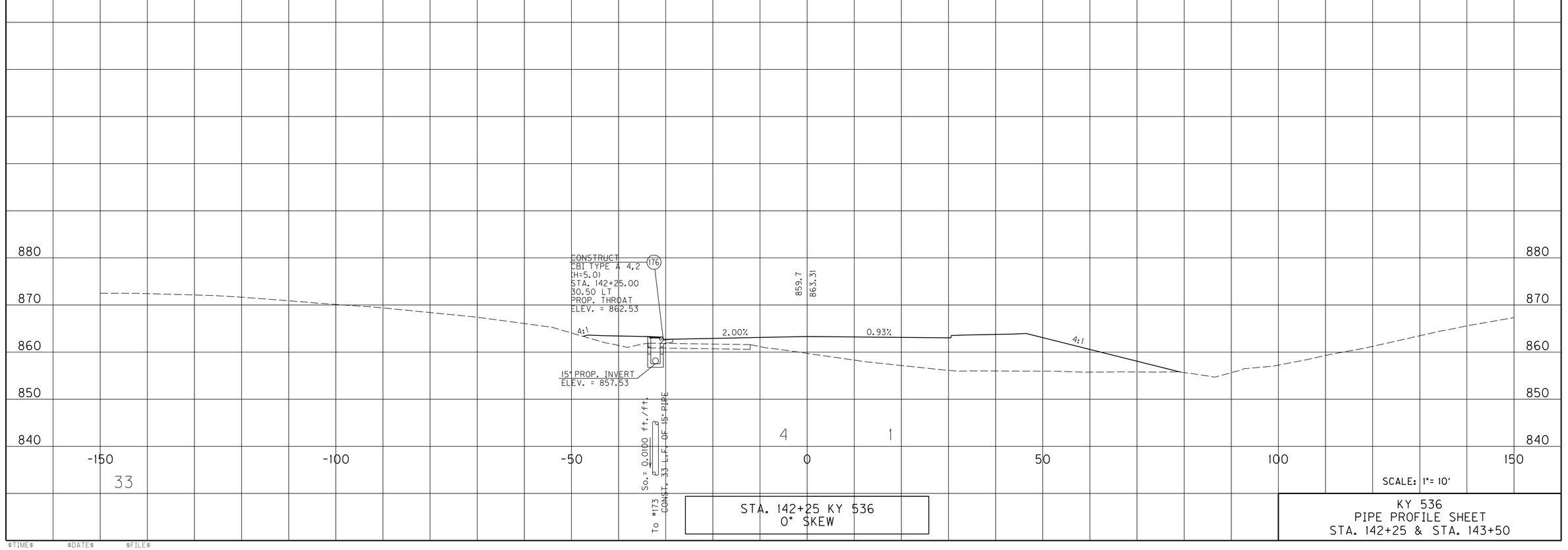
$TIME$ $DATE$ $FILE$

PIPE DRAINAGE SHEET 69 of 100

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R282

PREPARED BY DATE
CHECKED BY DATE
APPROVED BY DATE

STORM SEWER PIPE												CULVERT PIPE				CHANNEL LINING													S&F Box Inlet-Outlet				MANHOLE TYPE				
12	15	18	24	30	36	42	48	54	60	66	72 Equiv.	18	24	30	MAX. COVER HEIGHT	CLASS II	CLASS III	TURF REINF. MAT TYPE 3	CBI TYPE A	DBI TYPE 1	DBI TYPE 3	DBI TYPE 4	DBI TYPE 11	DBI TYPE 13	DBI TYPE 15	DBI TYPE 16	SLOTTED DRAIN PIPE 12"	STANDARD HEADWALLS	18	24	30	36	A	B	C	DITCH EXCAVATION	
LINEAR FEET															FT	TON		CY	EACH								LF	EA/TY	EACH							CY	



STA. 142+25 KY 536
0° SKEW

KY 536
PIPE PROFILE SHEET
STA. 142+25 & STA. 143+50

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME: R28200PD

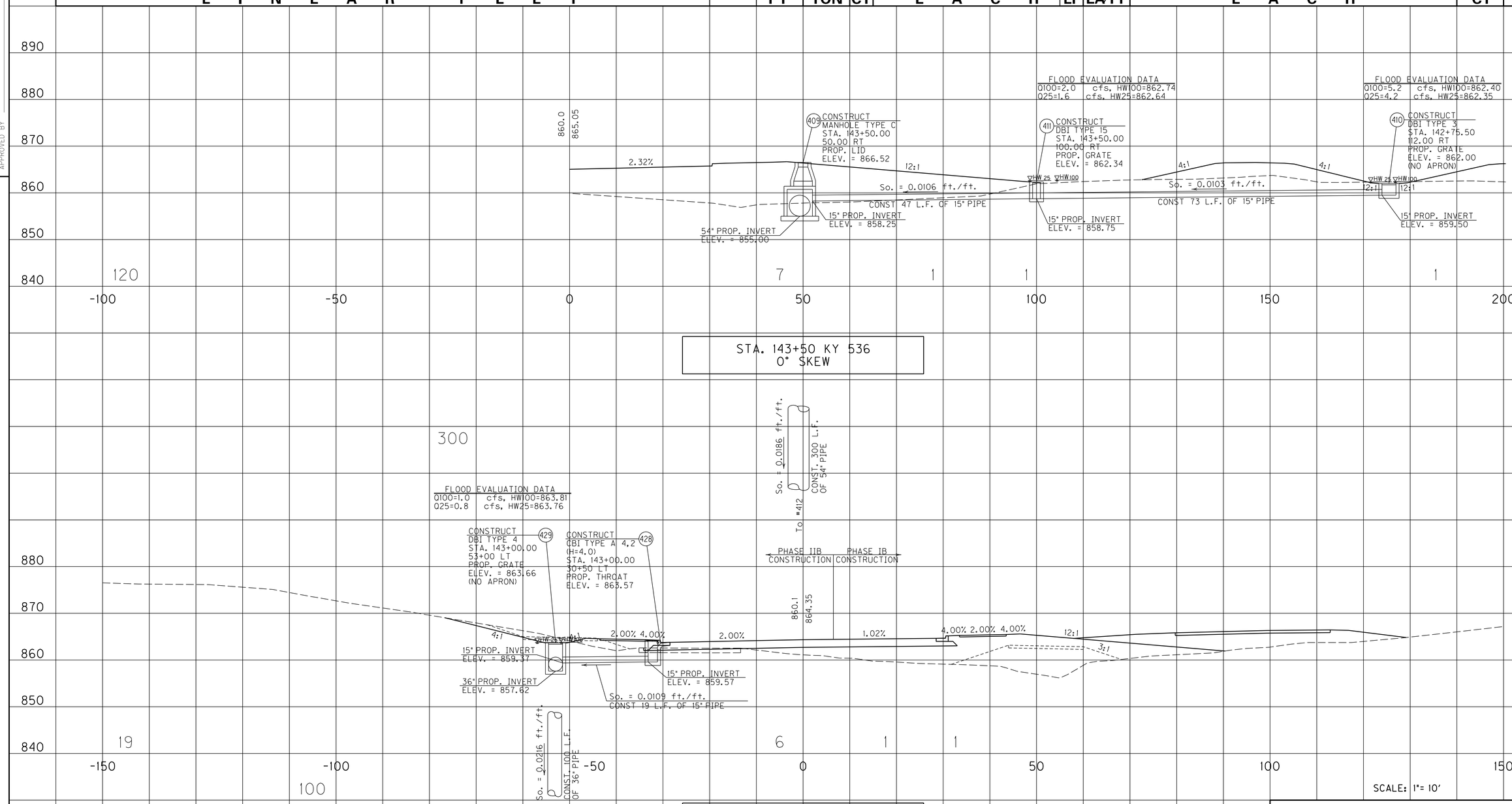
$TIME$ $DATE$ $FILE$

PIPE DRAINAGE SHEET 70 of 100

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R283

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

STORM SEWER PIPE (LINEAR FEET)												CULVERT PIPE (LINEAR FEET)			MAX. COVER HEIGHT	CHANNEL LINING		TURF REINF. MAT TYPE 3	CBI TYPE A	DBI TYPE 1	DBI TYPE 3	DBI TYPE 4	DBI TYPE 11	DBI TYPE 13	DBI TYPE 15	DBI TYPE 16	SLOTTED DRAIN PIPE 12"	STANDARD HEADWALLS	S&F Box Inlet-Outlet				MANHOLE TYPE			DITCH EXCAVATION
12	15	18	24	30	36	42	48	54	60	66	72 Equiv.	18	24	30		CLASS II	CLASS III													18	24	30	36	A	B	C	
LINEAR FEET															FT	TON		CY	EACH								LF	EA/TY	EACH							CY
	120														7				1					1											1	



STA. 143+50 KY 536
0° SKEW

STA. 143+00 KY 536
0° SKEW

SCALE: 1"= 10'

KY 536
PIPE PROFILE SHEET
STA. 142+25 & STA. 143+50

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME: R28300PD

$TIME$ $DATE$ $FILE$

PIPE DRAINAGE SHEET 71 of 100

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R284

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

STORM SEWER PIPE (LINEAR FEET)													CULVERT PIPE			MAX. COVER HEIGHT	CHANNEL LINING		TURF REINF. MAT TYPE 3	CBI TYPE A	DBI TYPE 1	DBI TYPE 3	DBI TYPE 4	DBI TYPE 11	DBI TYPE 13	DBI TYPE 15	DBI TYPE 16	SLOTTED DRAIN PIPE 12"	STANDARD HEADWALLS	S&F Box Inlet-Outlet				MANHOLE TYPE			DITCH EXCAVATION	
12	15	18	24	30	36	42	48	54	60	66	72 Equiv.	18	24	30	FT	CLASS II	CLASS III	CY	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	LF	EA/TY	18	24	30	36	A	B	C	CY	
			59												7	4																1				1	1	

PIPE DRAINAGE SHEET 72 of 100

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R285

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

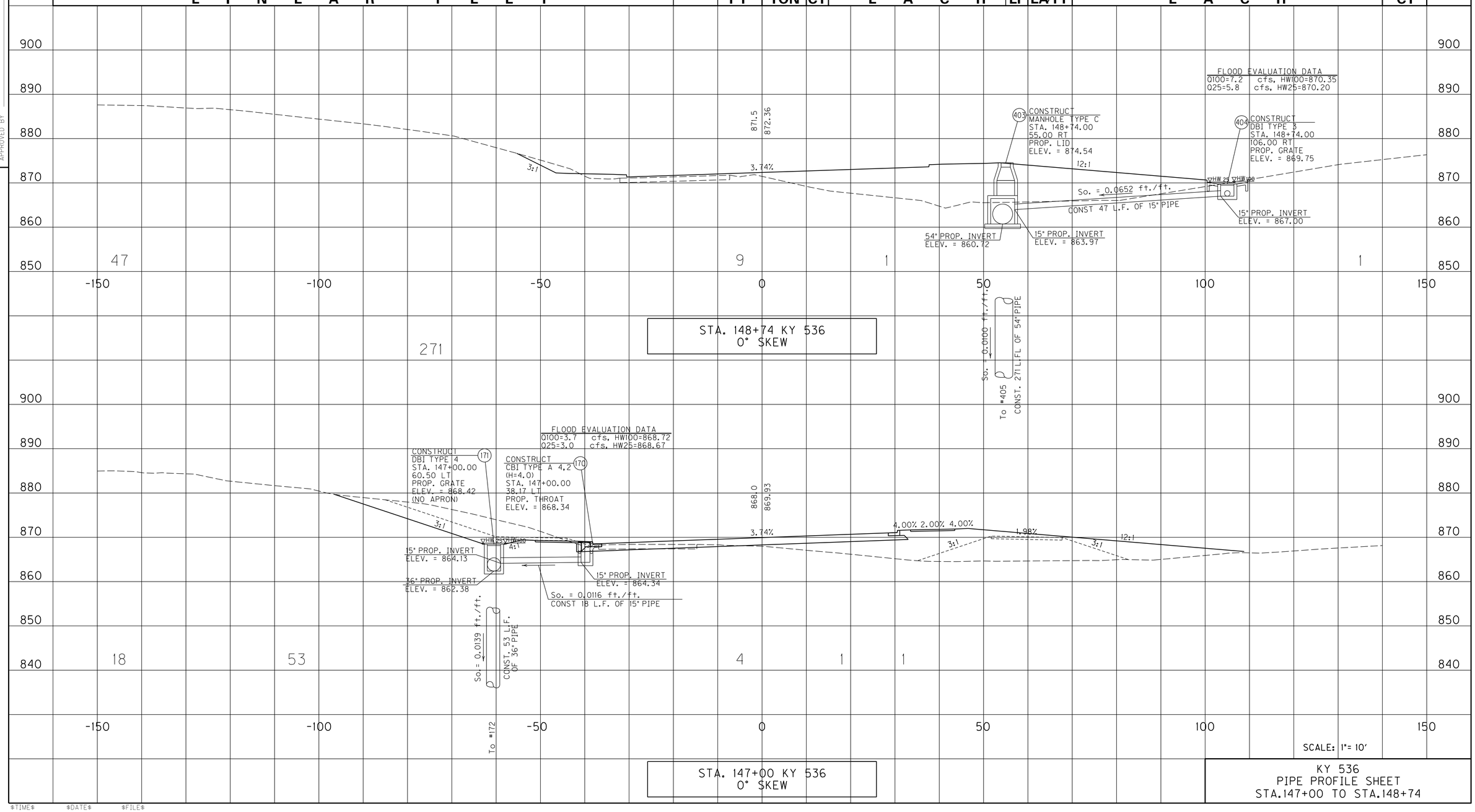
| STORM SEWER PIPE | | | | | | | | | | | | | CULVERT PIPE | | | | CHANNEL LINING | | | | | | | | | | | | |

PIPE DRAINAGE SHEET 73 of 100

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R286

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

STORM SEWER PIPE												CULVERT PIPE				CHANNEL LINING													S&F Box Inlet-Outlet				MANHOLE TYPE				
12	15	18	24	30	36	42	48	54	60	66	72 Equiv.	18	24	30	MAX. COVER HEIGHT	CLASS II	CLASS III	TURF REINF. MAT TYPE 3	CBI TYPE A	DBI TYPE 1	DBI TYPE 3	DBI TYPE 4	DBI TYPE 11	DBI TYPE 13	DBI TYPE 15	DBI TYPE 16	SLOTTED DRAIN PIPE 12"	STANDARD HEADWALLS	18	24	30	36	A	B	C	DITCH EXCAVATION	
LINEAR FEET															FT	TON		CY	EACH								LF	EA/TY	EACH							CY	
	47														9				1																1		



KY 536
PIPE PROFILE SHEET
STA.147+00 TO STA.148+74

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME: R28600PD

$TIME$ $DATE$ $FILE$

PIPE DRAINAGE SHEET 74 of 100

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R287

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

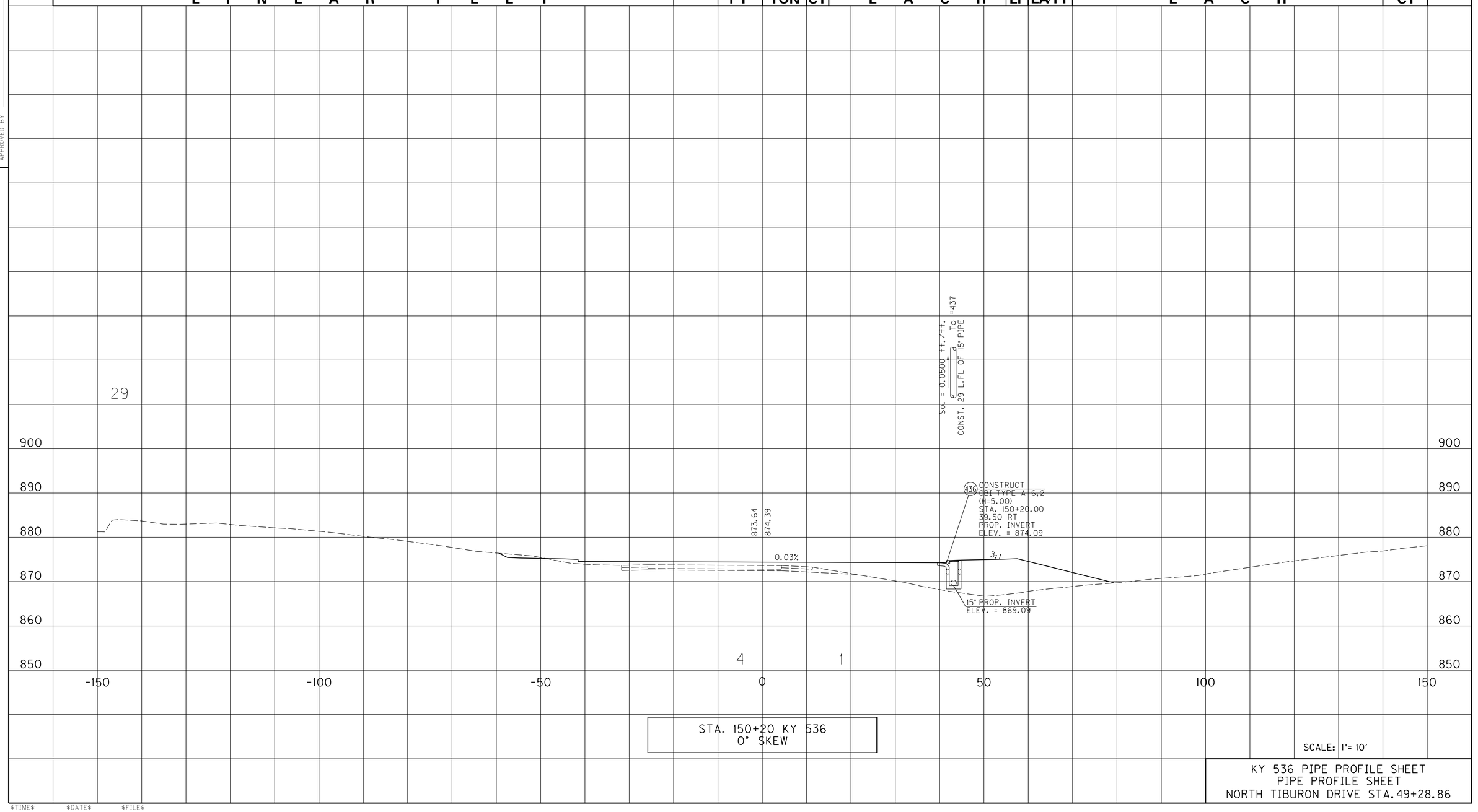
| STORM SEWER PIPE | | | | | | | | | | | | CULVERT PIPE | | | | CHANNEL LINING | | | | | | | | | | | |

PIPE DRAINAGE SHEET 75 of 100

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R288

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

STORM SEWER PIPE (LINEAR FEET)												CULVERT PIPE (LINEAR FEET)				CHANNEL LINING													S&F Box Inlet-Outlet				MANHOLE TYPE				
12	15	18	24	30	36	42	48	54	60	66	72 Equiv.	18	24	30	MAX. COVER HEIGHT	CLASS II	CLASS III	TURF REINF. MAT TYPE 3	CBI TYPE A	DBI TYPE 1	DBI TYPE 3	DBI TYPE 4	DBI TYPE 11	DBI TYPE 13	DBI TYPE 15	DBI TYPE 16	SLOTTED DRAIN PIPE 12"	STANDARD HEADWALLS	18	24	30	36	A	B	C	DITCH EXCAVATION
															FT	TON		CY	EACH								LF	EA/TY	EACH				EACH			CY



STA. 150+20 KY 536
0° SKEW

SCALE: 1"= 10'

KY 536 PIPE PROFILE SHEET
PIPE PROFILE SHEET
NORTH TIBURON DRIVE STA.49+28.86

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME: R28800PD

$TIME$ $DATE$ $FILE$

PIPE DRAINAGE SHEET 76 of 100

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R289

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

STORM SEWER PIPE (LINEAR FEET)												CULVERT PIPE (LINEAR FEET)			MAX. COVER HEIGHT (FT)	CHANNEL LINING (TON)		TURF REINF. MAT TYPE 3 (CY)	CBI TYPE A (EACH)	DBI TYPE 1 (EACH)	DBI TYPE 3 (EACH)	DBI TYPE 4 (EACH)	DBI TYPE 7 (EACH)	DBI TYPE 13 (EACH)	DBI TYPE 15 (EACH)	DBI TYPE 16 (EACH)	SLOTTED DRAIN PIPE 12" (LF)	STANDARD HEADWALLS (EA/TY)	S&F Box Inlet-Outlet (EACH)				MANHOLE TYPE (EACH)			DITCH EXCAVATION (CY)
12	15	18	24	30	36	42	48	54	60	66	72 Equiv.	18	24	30		CLASS II	CLASS III													18	24	30	36	A	B	C	
							130																1												1	
							307																1													
							13					64	74		7		2(T)		1															1 2*	
													176																						

(431) CONSTRUCT DBI TYPE 7
STA. 155+50.00
101.00 RT
PROP. GRATE
ELEV. = 874.43

FLOOD EVALUATION DATA
Q100=10.3 cfs, HW100=875.05
Q25=8.5 cfs, HW25=874.98

MATCHLINE 2

4:1 ▽HW100 ▽HW 25 4:1

So. = 0.0131 ft./ft.

CONST 130 L.F. OF 48" PIPE

48" PROP. INVERT
ELEV. = 867.72

(432) CONSTRUCT MANHOLE TYPE C
STA. 157+00.00
91.75 RT
PROP. LID
ELEV. = 881.01

48" PROP. INVERT
ELEV. = 869.43

15" EX. INVERT
ELEV. = 870.37

So. = 0.0243 ft./ft.

82.83 L.F. OF EX. 15" METAL PIPE

(438)

15" EX. INVERT
ELEV. = 872.39

(430) CONSTRUCT DBI TYPE 7
STA. 153+50.00
88.00 RT
PROP. GRATE
ELEV. = 872.50

FLOOD EVALUATION DATA
Q100=11.7 cfs, HW100=873.20
Q25=9.3 cfs, HW25=873.12

MATCHLINE 1

So. = 0.0105 ft./ft.

4:1 ▽HW100 ▽HW 25 4:1

CONST 131 L.F. OF 48" PIPE

48" PROP. INVERT
ELEV. = 865.90

So. = 0.0135 ft./ft.

CONST 176 L.F. OF 48" PIPE

MATCHLINE 2

874.06 874.81

1.07%

(437) CONSTRUCT CBI TYPE A 6.2
(H=6.59)
STA. 150+50.00
42.96 RT
PROP. THROAT
ELEV. = 874.19

(402) CONSTRUCT MANHOLE TYPE C
STA. 150+50.00
60.00 RT
PROP. LID
ELEV. = 875.27

15" PROP. INVERT
ELEV. = 867.60

So. = 0.1502 ft./ft.
CONST 13 L.F. OF 15" PIPE

54" PROP. INVERT
ELEV. = 862.48

15" PROP. INVERT
ELEV. = 865.74

So. = 0.0111 ft./ft.

CONST 74 L.F. OF 54" PIPE

(215) CONSTRUCT CBI TYPE A 2 (T) w/RISER & TYPE C MH CHAMBER
(H=9.48)
STA. 51+09.00
14.00 RT
PROP. THROAT
ELEV. = 872.78

873.18 873.22

2.00% 2.00%

36" PROP. INVERT
ELEV. = 864.80
54" PROP. INVERT
ELEV. = 863.30

48" PROP. INVERT
ELEV. = 863.80

So. = 0.0105 ft./ft.

CONST 44 L.F. OF 48" PIPE

15" PROP. INVERT
ELEV. = 867.01

(216) CONSTRUCT CBI TYPE A 2 w/RISER & TYPE C MH CHAMBER
(H=8.29)
STA. 51+09.00
28.38 LT
PROP. THROAT
ELEV. = 872.53

48" PROP. INVERT
ELEV. = 864.26

3:1 15:1 15:1

(217) CONSTRUCT DBI TYPE 7
STA. 152+00.00
108.00 RT
PROP. GRATE
ELEV. = 870.04

FLOOD EVALUATION DATA
Q100=2.7 cfs, HW100=854.71
Q25=2.2 cfs, HW25=854.61
▽HW100 ▽HW 25

15" PROP. INVERT
ELEV. = 867.28

48" PROP. INVERT
ELEV. = 864.53

So. = 0.0135 ft./ft.
CONST 20 L.F. OF 48" PIPE

MATCHLINE 1

So. = 0.0100 ft./ft.
CONST. 176 L.F. OF 54" PIPE

To #403

STA. 150+50 KY 536
0° SKEW

* CHAMBER ONLY

SCALE: 1"= 10'

KY 536
PIPE PROFILE SHEET
STA.150+90 & STA. 152+00

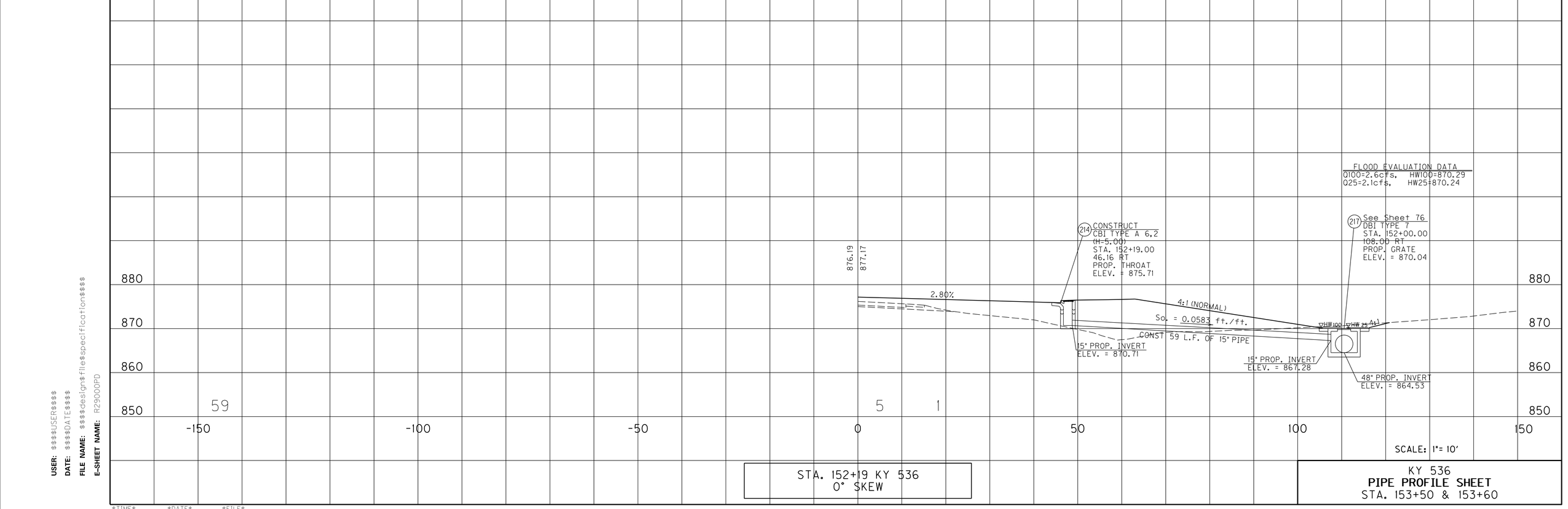
USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME: R28900PD

PIPE DRAINAGE SHEET 77 of 100

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R290

PREPARED BY DATE
CHECKED BY DATE
APPROVED BY DATE

STORM SEWER PIPE												CULVERT PIPE				CHANNEL LINING													S&F Box Inlet-Outlet				MANHOLE TYPE				
12	15	18	24	30	36	42	48	54	60	66	72 Equiv.	18	24	30	MAX. COVER HEIGHT	CLASS II	CLASS III	TURF REINF. MAT TYPE 3	CBI TYPE A	DBI TYPE 1	DBI TYPE 3	DBI TYPE 4	DBI TYPE 7	DBI TYPE 13	DBI TYPE 15	DBI TYPE 16	SLOTTED DRAIN PIPE 12"	STANDARD HEADWALLS	18	24	30	36	A	B	C	DITCH EXCAVATION
LINEAR FEET															FT	TON		CY	EACH								LF	EA/TY	EACH							CY



STA. 152+19 KY 536
0° SKEW

KY 536
PIPE PROFILE SHEET
STA. 153+50 & 153+60

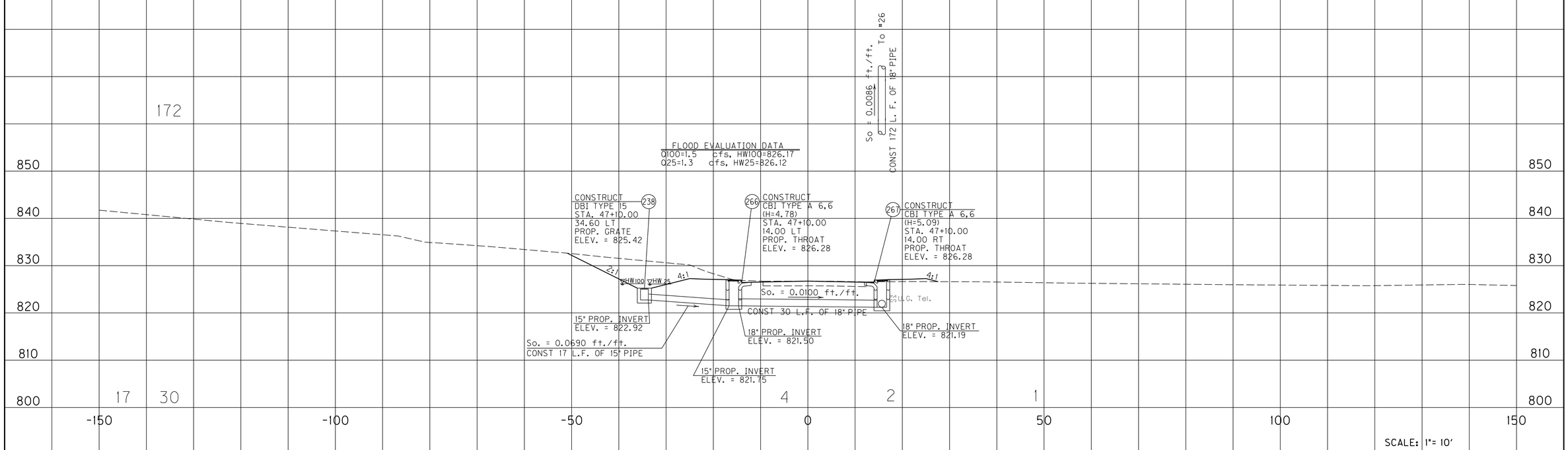
USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME: R29000PD

$TIME$ $DATE$ $FILE$

PIPE DRAINAGE SHEET 78 of 100

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R291

STORM SEWER PIPE												CULVERT PIPE				CHANNEL LINING																						
12	15	18	24	30	36	42	48	54	60	66	72 Equiv.	18	24	30	MAX. COVER HEIGHT	CLASS II	CLASS III	TURF REINF. MAT TYPE 3	CBI TYPE A	DBI TYPE 1	DBI TYPE 3	DBI TYPE 4	DBI TYPE 11	DBI TYPE 13	DBI TYPE 15	DBI TYPE 16	SLOTTED DRAIN PIPE 12"	STANDARD HEADWALLS	S&F Box Inlet-Outlet				MANHOLE TYPE			DITCH EXCAVATION	
																													18	24	30	36	A	B	C		
L I N E A R F E E T															FT	TON		CY	E A C H								LF	EA/TY	E A C H							CY	



SCALE: 1"= 10'

STA. 47+10 OLD UNION ROAD
@ 0° SKEW

OLD UNION ROAD
PIPE PROFILE SHEET
STA. 47+10

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

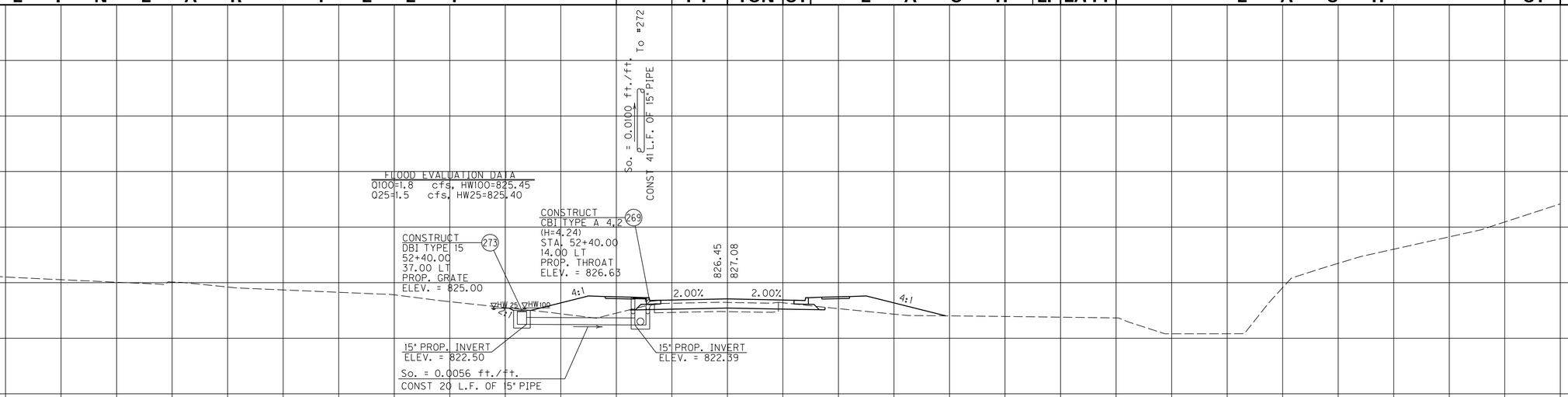
USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME: R29100PD

PIPE DRAINAGE SHEET 79 of 100

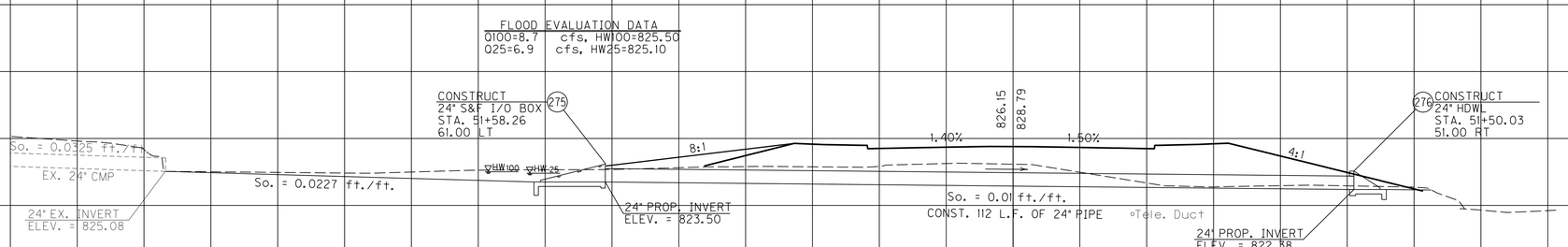
COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R292

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

STORM SEWER PIPE													CULVERT PIPE				CHANNEL LINING												S&F Box Inlet-Outlet				MANHOLE TYPE					
12	15	18	24	30	36	42	48	54	60	66	72 Equiv.		18	24	30	MAX. COVER HEIGHT	CLASS II	CLASS III	TURF REINF. MAT TYPE 3	CBI TYPE A	CBI TYPE 1	DBI TYPE 3	DBI TYPE 4	DBI TYPE 11	DBI TYPE 13	DBI TYPE 15	DBI TYPE 16	SLOTTED DRAIN PIPE 12"	STANDARD HEADWALLS	18	24	30	36	A	B	C	DITCH EXCAVATION	
LINEAR FEET																FT	TON		CY	EACH							LF	EA/TY	EACH								CY	
	41																																					
	20															4				1					1														



STA. 52+40 OLD UNION ROAD
@ 0° SKEW



													112			5				20							1-24			1								5	

STA. 51+54 OLD UNION ROAD
4°00'00" SKEW RT.

SCALE: 1"= 10'

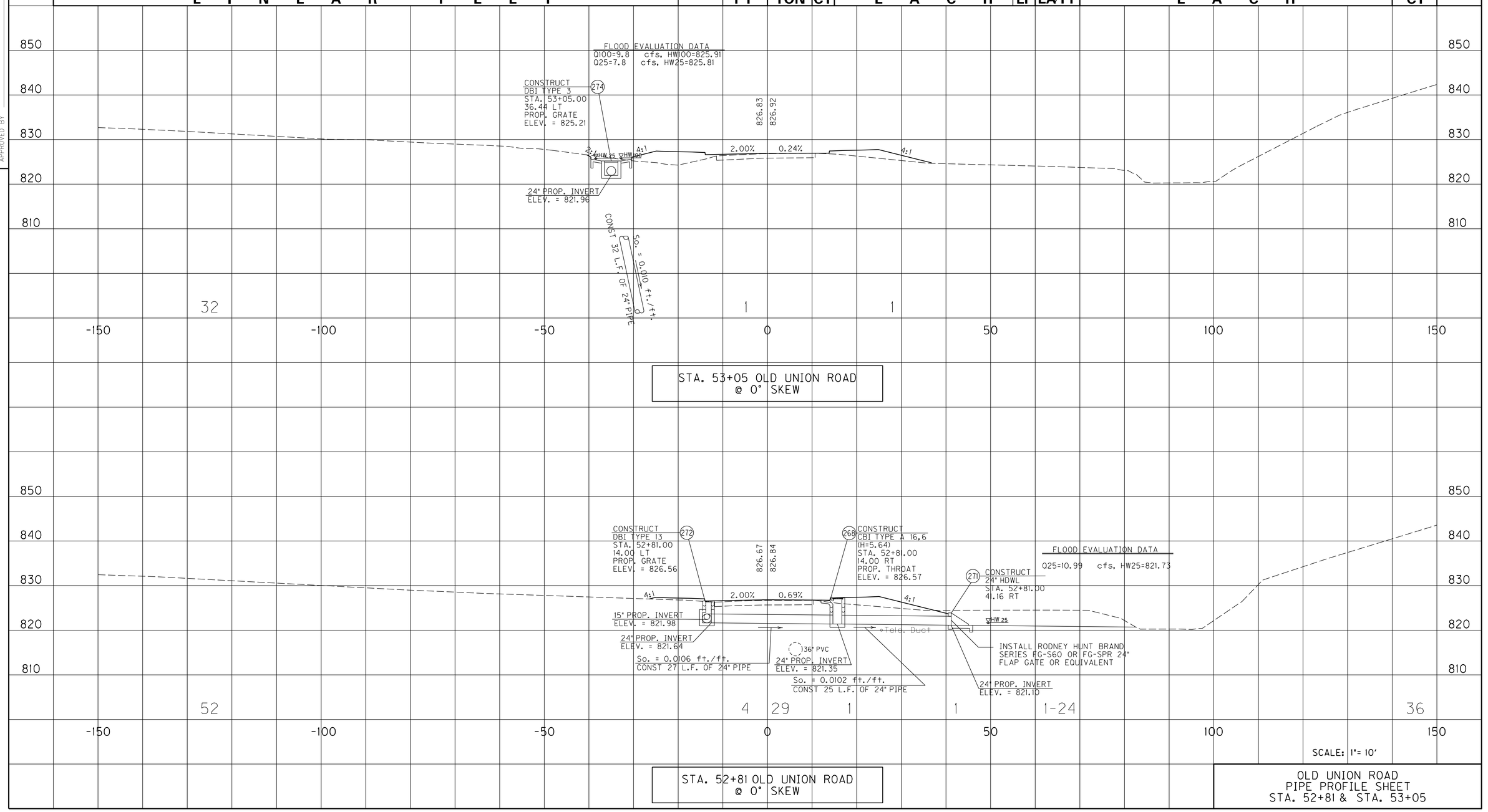
OLD UNION ROAD
PIPE PROFILE SHEET
STA. 51+54 & STA. 52+50

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME: R29200PD

PIPE DRAINAGE SHEET 80 of 100

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R293

STORM SEWER PIPE												CULVERT PIPE				CHANNEL LINING																				
12	15	18	24	30	36	42	48	54	60	66	72 Equiv.	18	24	30	MAX. COVER HEIGHT	CLASS II	CLASS III	TURF REINF. MAT TYPE 3	CBI TYPE A	DBI TYPE 1	DBI TYPE 3	DBI TYPE 4	DBI TYPE 11	DBI TYPE 13	DBI TYPE 15	DBI TYPE 16	SLOTTED DRAIN PIPE 12"	STANDARD HEADWALLS	S&F Box Inlet-Outlet				MANHOLE TYPE			DITCH EXCAVATION
LINEAR FEET															FT	TON		CY	EACH								LF	EA/TY	EACH							CY



OLD UNION ROAD
PIPE PROFILE SHEET
STA. 52+81 & STA. 53+05

PREPARED BY DATE
CHECKED BY DATE
APPROVED BY DATE

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME: R29300PD

PIPE DRAINAGE SHEET 81 of 100

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R294

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

STORM SEWER PIPE (LINEAR FEET)												CULVERT PIPE (LINEAR FEET)			MAX. COVER HEIGHT	CHANNEL LINING		TURF REINF. MAT TYPE 3	CBI TYPE A	DBI TYPE 1	DBI TYPE 3	DBI TYPE 4	DBI TYPE 11	DBI TYPE 13	DBI TYPE 15	DBI TYPE 16	SLOTTED DRAIN PIPE 12"	STANDARD HEADWALLS	S&F Box Inlet-Outlet				MANHOLE TYPE			DITCH EXCAVATION
12	15	18	24	30	36	42	48	54	60	66	72 Equiv.	18	24	30		CLASS II	CLASS III													18	24	30	36	A	B	C	
LINEAR FEET															FT	TON		CY	EACH								LF	EA/TY	EACH							CY
	20																	6		2	1															
		281																																		
		282																																		
	20																	5		2*	1															

890 / 880 / 870 / 860 / 850 / 840

-150 / -100 / -50 / 0 / 50 / 100 / 150

CONSTRUCT (334) DBI TYPE 3 STA. 394+55.00 64.50 LT PROP. GRATE ELEV. = 859.53

CONSTRUCT (351) CBI TYPE A 6,2 (H=5.66) STA. 394+55.00 45.55 LT PROP. THROAT ELEV. = 860.54

15" PROP. INVERT ELEV. = 857.03

So. = 0.0945 ft./ft.
CONST. 20 L.F. OF 15" PIPE

15" PROP. INVERT ELEV. = 855.14

18" PROP. INVERT ELEV. = 854.89

2:1 / 4:1 / 4.00% / 2.00% / 2.00% / 2.00% / 2.00% / 2.00% / 4.00% / 4:1 / 2:1

861.39 / 861.61

CONSTRUCT (336) CBI TYPE A 6,2 (H=4.91) STA. 397+55.00 45.55 RT PROP. THROAT ELEV. = 860.54

18" PROP. INVERT ELEV. = 855.64

859.65

STA. 394+55 US 42
@ 0° SKEW

So. = 0.0213 ft./ft.
282 L.F. OF EX. 18" CMP

So. = 0.0197 ft./ft.
CONST. 281 L.F. OF 18" PIPE

FLOOD EVALUATION DATA
Q100=1.5 cfs, HW100=853.65
Q25=1.3 cfs, HW25=853.60

CONSTRUCT (335) DBI TYPE 3 STA. 391+72.59 64.50 LT PROP. GRATE ELEV. = 853.45

CONSTRUCT (352) CBI TYPE A (TOP ONLY) 16,3 (H=5.97) STA. 391+72.76 39.72 LT PROP. THROAT ELEV. = 854.84

CONSTRUCT (354) CBI TYPE A (TOP ONLY) 6,3 (H=4.76) STA. 391+73.30 39.74 RT PROP. THROAT ELEV. = 854.86

2:1 / 4:1 / ▽HW25 / ▽HW100

15" PROP. INVERT ELEV. = 850.95

So. = 0.0915 ft./ft.
CONST. 20 L.F. OF 15" PIPE

15" PROP. INVERT ELEV. = 849.12

18" PROP. INVERT ELEV. = 848.87

24" EX. INVERT ELEV. = 848.87

855.63 / 855.81

2.00% / 2.00% / 4:1

So. = 0.0149 ft./ft.
82.83 L.F. OF EX. 18" CMP TO REMAIN

18" PROP. INVERT ELEV. = 850.10

18" EX. INVERT ELEV. = 850.10

So. = 0.0180 ft./ft.
492.76 L.F. OF EX. 24" CMP

* TOP ONLY

STA. 391+73.03 US 42
@ 0°23'21" SKEW LT

SCALE: 1"= 10'

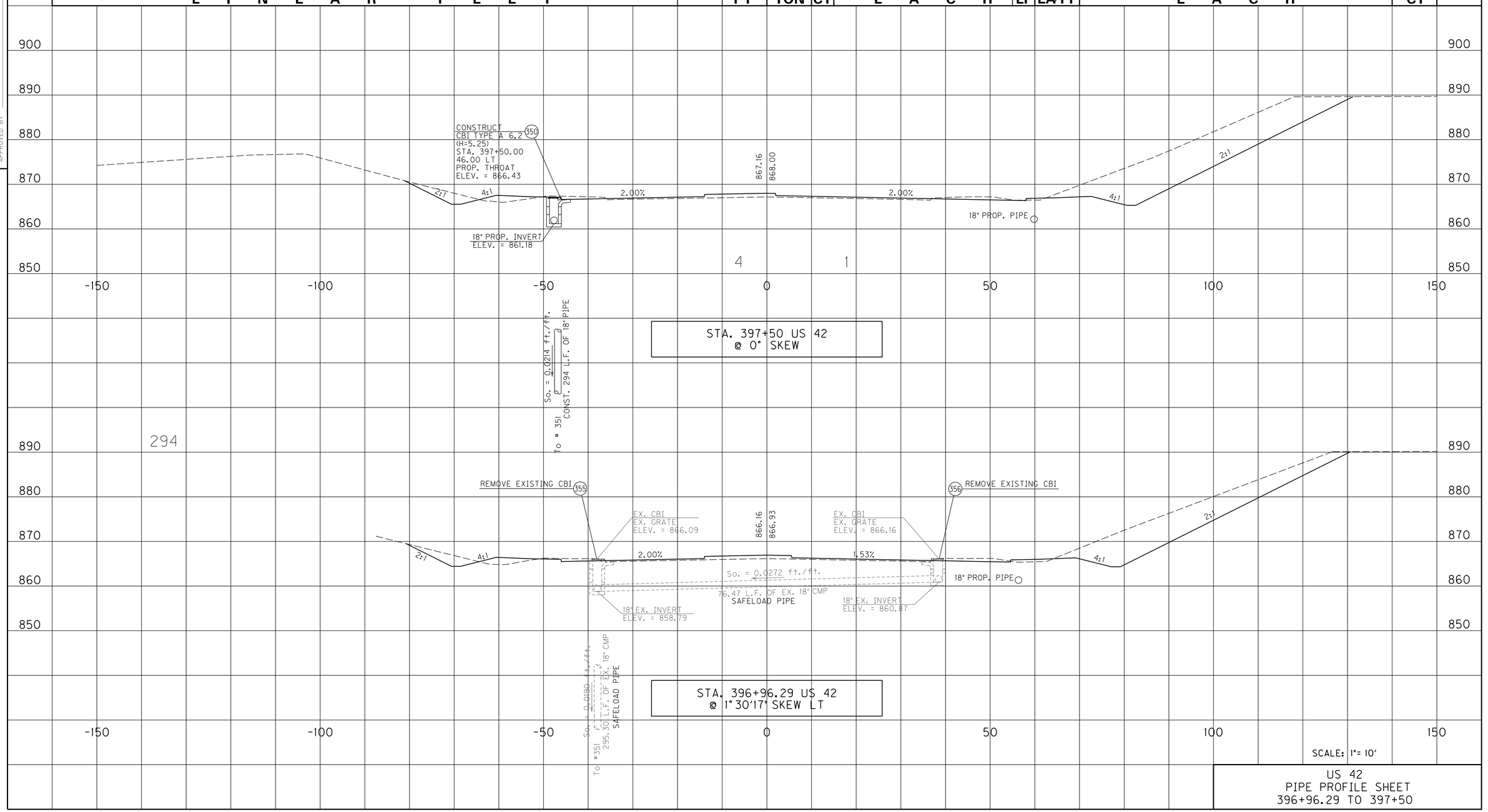
US 42
PIPE PROFILE SHEET
STA.391+73.03 & STA. 394+00

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME: R29400PD

PIPE DRAINAGE SHEET 82 of 100

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R295

STORM SEWER PIPE												CULVERT PIPE				CHANNEL LINING																			
12	15	18	24	30	36	42	48	54	60	66	72 Equiv.	18	24	30	MAX. COVER HEIGHT	CLASS II	CLASS III	TURF REINF. MAT TYPE 3	CBI TYPE A	DBI TYPE 1	DBI TYPE 3	DBI TYPE 4	DBI TYPE 11	DBI TYPE 13	DBI TYPE 15	DBI TYPE 16	SLOTTED DRAIN PIPE 12"	STANDARD HEADWALLS	S&F Box Inlet-Outlet				MANHOLE TYPE			DITCH EXCAVATION
																													18	24	30	36	A	B	C	
L I N E A R F E E T															FT	TON		CY	E A C H								LF	EA/TY	E A C H							CY



US 42
PIPE PROFILE SHEET
396+96.29 TO 397+50

PREPARED BY DATE
CHECKED BY DATE
APPROVED BY DATE

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME: R29500PD

PIPE DRAINAGE SHEET 83 of 100

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R296

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

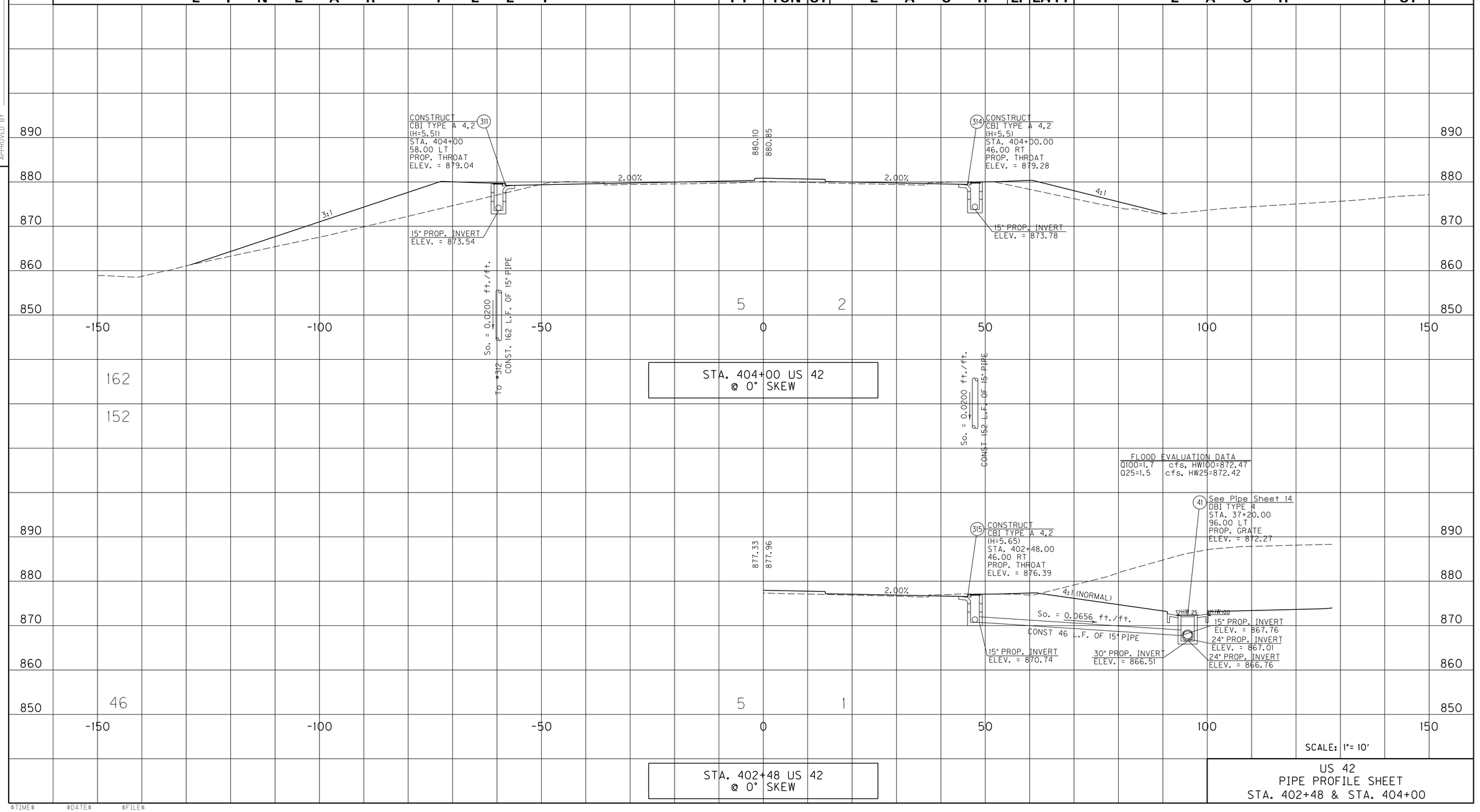
| STORM SEWER PIPE | | | | | | | | | | | | CULVERT PIPE | | | | CHANNEL LINING | | | | | | | | | | | |

PIPE DRAINAGE SHEET 84 of 100

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R297

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

STORM SEWER PIPE												CULVERT PIPE				CHANNEL LINING													S&F Box Inlet-Outlet				MANHOLE TYPE				
12	15	18	24	30	36	42	48	54	60	66	72 Equiv.	18	24	30	MAX. COVER HEIGHT	CLASS II	CLASS III	TURF REINF. MAT TYPE 3	CBI TYPE A	DBI TYPE 1	DBI TYPE 3	DBI TYPE 4	DBI TYPE 11	DBI TYPE 13	DBI TYPE 15	DBI TYPE 16	SLOTTED DRAIN PIPE 12"	STANDARD HEADWALLS	18	24	30	36	A	B	C	DITCH EXCAVATION	
LINEAR FEET															FT	TON		CY	EACH								LF	EA/TY	EACH							CY	



US 42
PIPE PROFILE SHEET
STA. 402+48 & STA. 404+00

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME: R2970PD

$TIME$ $DATE$ $FILE$

PIPE DRAINAGE SHEET 85 of 100

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R298

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

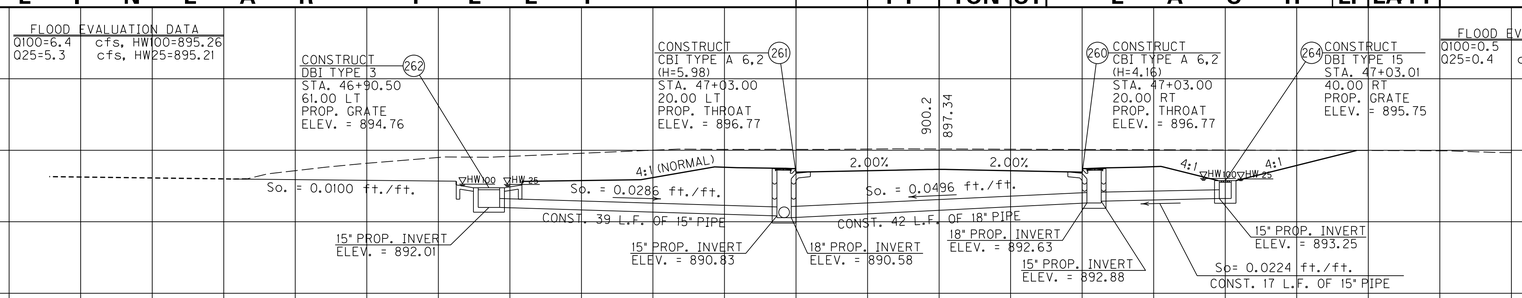
| STORM SEWER PIPE | | | | | | | | | | | | CULVERT PIPE | | | | CHANNEL LINING | | | | | | | | | | | |

PIPE DRAINAGE SHEET 86 of 100

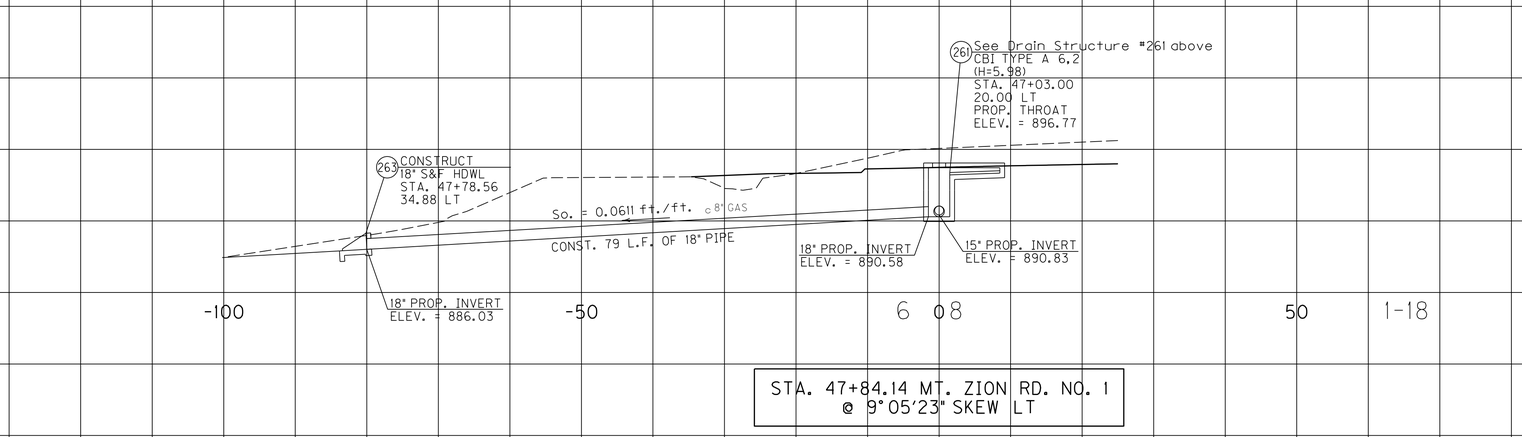
COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R299

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

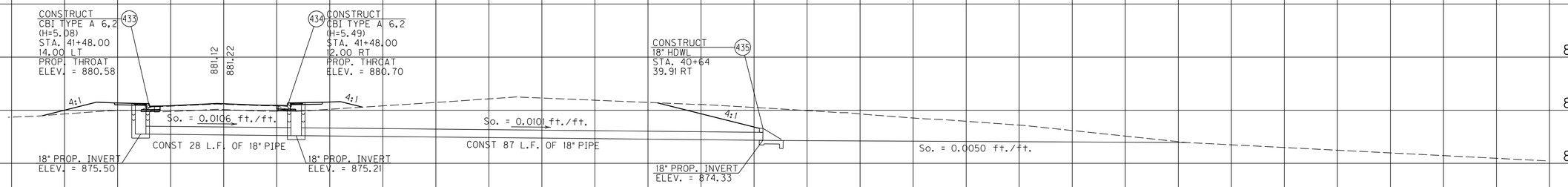
STORM SEWER PIPE												CULVERT PIPE				CHANNEL LINING													S&F Box Inlet-Outlet				MANHOLE TYPE				
12	15	18	24	30	36	42	48	54	60	66	72 Equiv.	18	24	30	MAX. COVER HEIGHT	CLASS II	CLASS III	TURF REINF. MAT TYPE 3	CBI TYPE A	DBI TYPE 1	DBI TYPE 3	DBI TYPE 4	DBI TYPE 11	DBI TYPE 13	DBI TYPE 15	DBI TYPE 16	SLOTTED DRAIN PIPE 12"	STANDARD HEADWALLS	18	24	30	36	A	B	C	DITCH EXCAVATION	
LINEAR FEET															FT	TON	CY	EACH								LF	EA/TY	EACH							CY	
	56	42													6			2	1				1													



STA. 47+04 HARMONY
@ 0° SKEW



STA. 47+84.14 MT. ZION RD. NO. 1
@ 9°05'23" SKEW LT



STA. 41+48 MT. ZION RD. NO. 1
@ 0 SKEW

SCALE: 1"= 10'

PIPE PROFILE SHEET
MT. ZION ROAD
HARMONY STA. 47+03

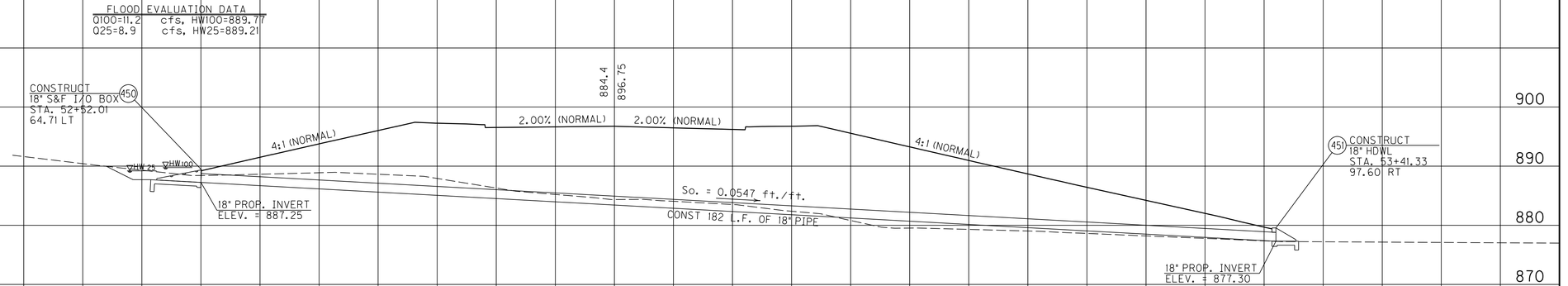
USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME: R2990PD

PIPE DRAINAGE SHEET 87 of 100

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R300

PREPARED BY DATE
CHECKED BY DATE
APPROVED BY DATE

STORM SEWER PIPE (LINEAR FEET)												CULVERT PIPE (LINEAR FEET)			MAX. COVER HEIGHT	CHANNEL LINING		TURF REINF. MAT TYPE 3	CBI TYPE A	DBI TYPE 1	DBI TYPE 3	DBI TYPE 4	DBI TYPE 11	DBI TYPE 13	DBI TYPE 15	DBI TYPE 16	SLOTTED DRAIN PIPE 12"	STANDARD HEADWALLS	S&F Box Inlet-Outlet				MANHOLE TYPE			DITCH EXCAVATION
12	15	18	24	30	36	42	48	54	60	66	72 Equiv.	18	24	30		CLASS II	CLASS III													18	24	30	36	A	B	C	
LINEAR FEET															FT	TON		CY	EACH								LF	EA/TY	EACH							CY



STA. 52+76.54 HARMONY
@ 24°30'33" SKEW LT

HARMONY
PIPE PROFILE SHEET
STA.52+76.54

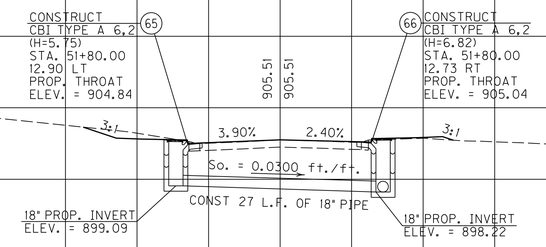
USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME: R30000PD

PIPE DRAINAGE SHEET 88 of 100

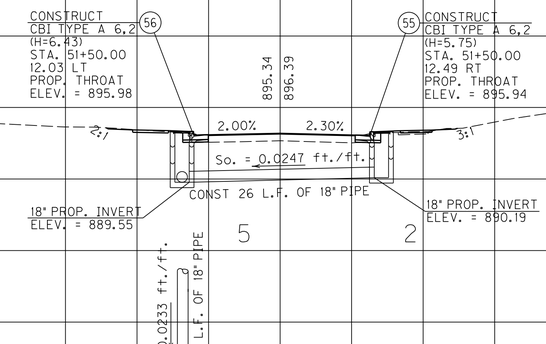
COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R301

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

STORM SEWER PIPE (LINEAR FEET)												CULVERT PIPE (LINEAR FEET)			MAX. COVER HEIGHT	CHANNEL LINING		TURF REINF. MAT TYPE 3	CBI TYPE A	DBI TYPE 1	DBI TYPE 3	DBI TYPE 4	DBI TYPE 11	DBI TYPE 13	DBI TYPE 15	DBI TYPE 16	SLOTTED DRAIN PIPE 12"	STANDARD HEADWALLS	S&F Box Inlet-Outlet				MANHOLE TYPE			DITCH EXCAVATION
12	15	18	24	30	36	42	48	54	60	66	72 Equiv.	18	24	30		CLASS II	CLASS III													18	24	30	36	A	B	C	
LINEAR FEET															FT	TON		CY	EACH								LF	EA/TY	EACH							CY
		27													6			2																		
		114																																		
		26													5			2																		
		88																																		



STA. 51+80 INDIAN HILL DRIVE
0° SKEW



STA. 51+50 GOLDEN POND
0° SKEW

SCALE: 1"= 10'

PIPE PROFILE SHEET
GOLDEN POND STA. 51+50
& INDIAN HILL DRIVE STA. 51+90

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME: R30100PD

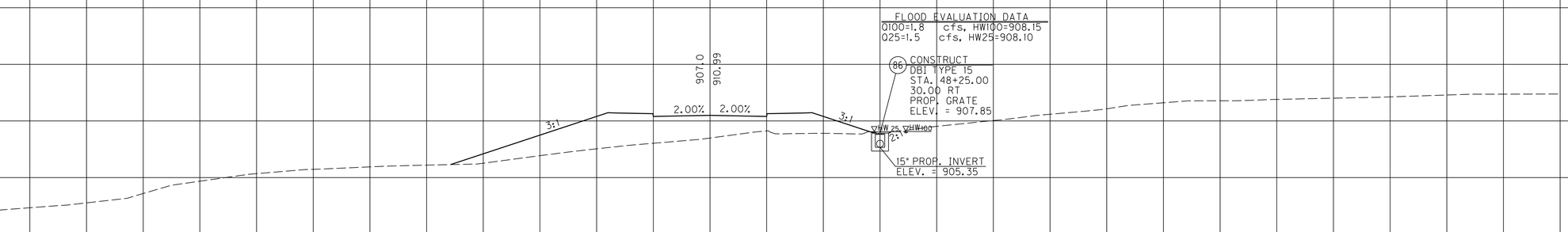
$TIME$ $DATE$ $FILE$

PIPE DRAINAGE SHEET 89 of 100

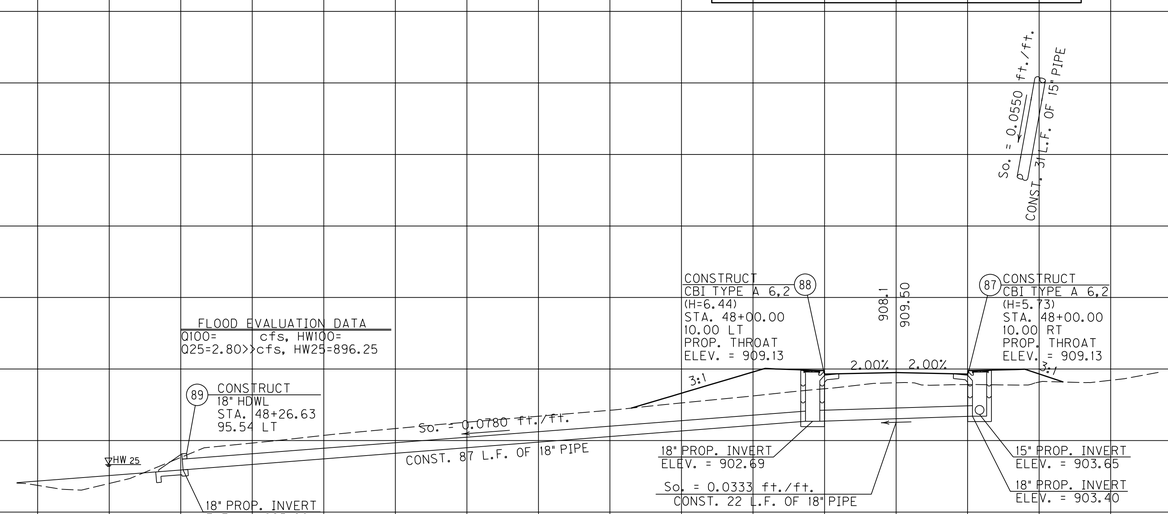
COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R302

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

STORM SEWER PIPE													CULVERT PIPE				CHANNEL LINING															S&F Box Inlet-Outlet				MANHOLE TYPE					
12	15	18	24	30	36	42	48	54	60	66	72 Equiv.		18	24	30	MAX. COVER HEIGHT	CLASS II	CLASS III	TURF REINF. MAT TYPE 3	CBI TYPE A	DBI TYPE 1	DBI TYPE 3	DBI TYPE 4	DBI TYPE 11	DBI TYPE 13	DBI TYPE 15	DBI TYPE 16	SLOTTED DRAIN PIPE 12"	STANDARD HEADWALLS	18	24	30	36	A	B	C	DITCH EXCAVATION	
LINEAR FEET																FT	TON		CY	EACH								LF	EA/TY	EACH							CY	



STA. 48+25 SYCAMORE DR. NO. 2
0° SKEW



STA. 48+00 SYCAMORE DR. NO. 2
0° SKEW

SCALE: 1"= 10'

SYCAMORE DR. NO. 2
PIPE PROFILE SHEET
STA.48+00 & STA. 48+25

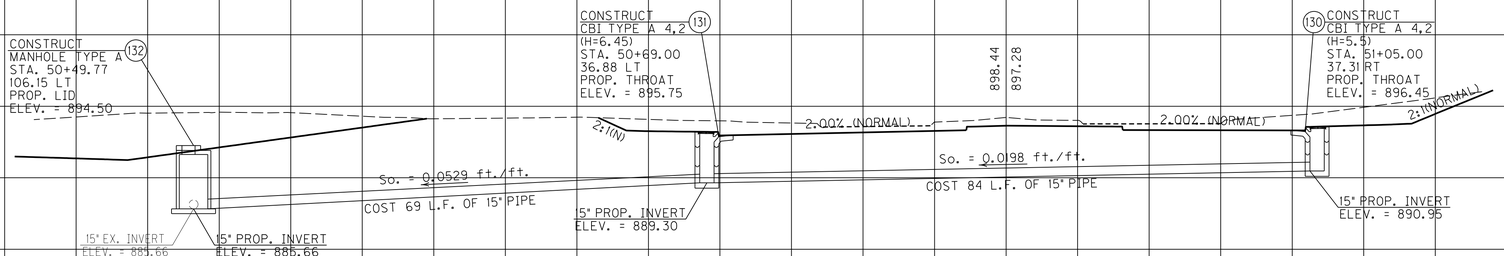
USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME: R30200PD

PIPE DRAINAGE SHEET 90 of 100

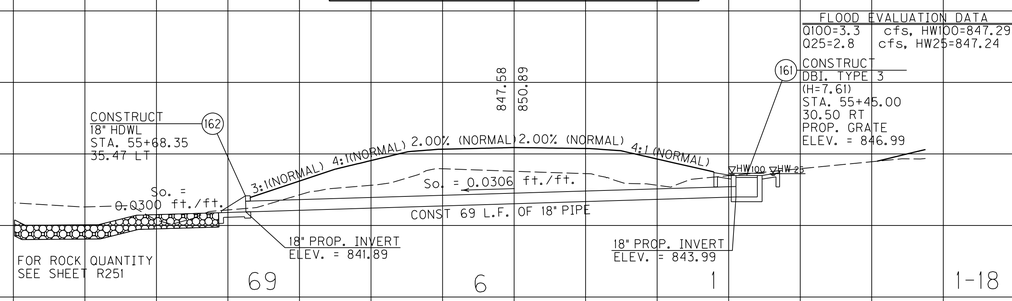
COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R303

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

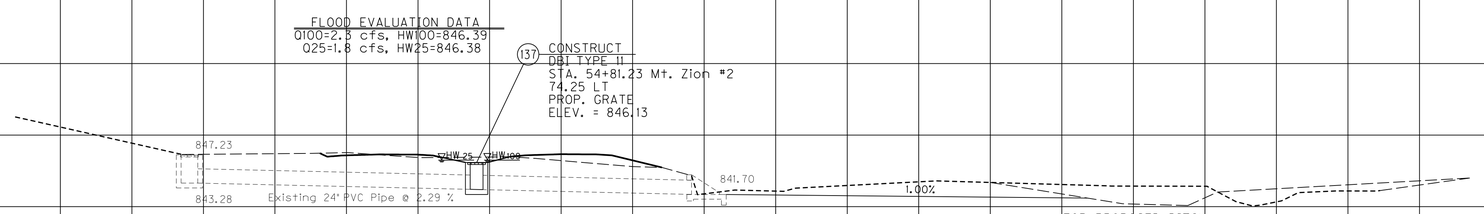
STORM SEWER PIPE												CULVERT PIPE				CHANNEL LINING													S&F Box Inlet-Outlet				MANHOLE TYPE				
12	15	18	24	30	36	42	48	54	60	66	72 Equiv.	18	24	30	MAX. COVER HEIGHT	CLASS II	CLASS III	TURF REINF. MAT TYPE 3	CBI TYPE A	DBI TYPE 1	DBI TYPE 3	DBI TYPE 4	DBI TYPE 11	DBI TYPE 13	DBI TYPE 15	DBI TYPE 16	SLOTTED DRAIN PIPE 12"	STANDARD HEADWALLS	18	24	30	36	A	B	C	DITCH EXCAVATION	
LINEAR FEET															FT	TON		CY	EACH								LF	EA/TY	EACH							CY	
	153														9			2															1				



STA. 50+84.53 HEMPSTEADE DRIVE
@ 24°25'04" LT SKEW



STA. 55+56.61 MT. ZION RD. NO. 2
19°35'17" SKEW RT.



STA. 54+81.23 LT MT. ZION RD. NO. 2

SCALE: 1"= 10'

18

PIPE PROFILE SHEET
HEMPSTEADE DRIVE STA. 50+84.53
MT. ZION RD. NO.2 STA. 55+56.61
MT. ZION RD. NO.2 STA. 54+81.23

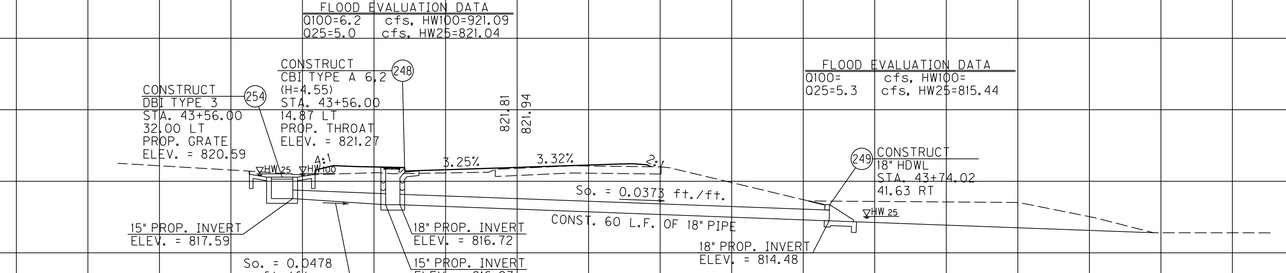
USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME: R303OPD

PIPE DRAINAGE SHEET 91 of 100

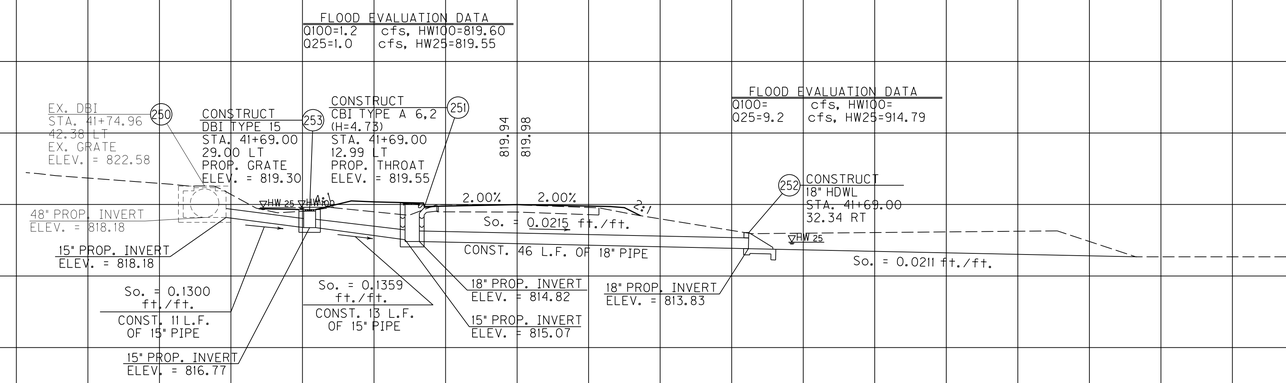
COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R304

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

STORM SEWER PIPE													CULVERT PIPE				CHANNEL LINING											S&F Box Inlet-Outlet				MANHOLE TYPE					
12	15	18	24	30	36	42	48	54	60	66	72 Equiv.		18	24	30	MAX. COVER HEIGHT	CLASS II	CLASS III	TURF REINF. MAT TYPE 3	CBI TYPE A	DBI TYPE 1	DBI TYPE 3	DBI TYPE 4	DBI TYPE 11	DBI TYPE 13	DBI TYPE 15	DBI TYPE 16	SLOTTED DRAIN PIPE 12"	STANDARD HEADWALLS	18	24	30	36	A	B	C	DITCH EXCAVATION	
LINEAR FEET																FT	TON		CY	EACH								LF	EA/TY	EACH							CY	
	13	60														5	19		1	1									1-18								29	



STA. 43+61.35 GUNPOWDER ROAD
@ 17°47'48" SKEW LT.



	24	46														5	21		1		1		1-18													35	

STA. 41+69 GUNPOWDER ROAD
@ 0° SKEW

-150 -100 -50 0 50 100 150

SCALE: 1"= 10'

GUNPOWDER ROAD
PIPE PROFILE SHEET
STA. 41+69 & STA. 43+61.35

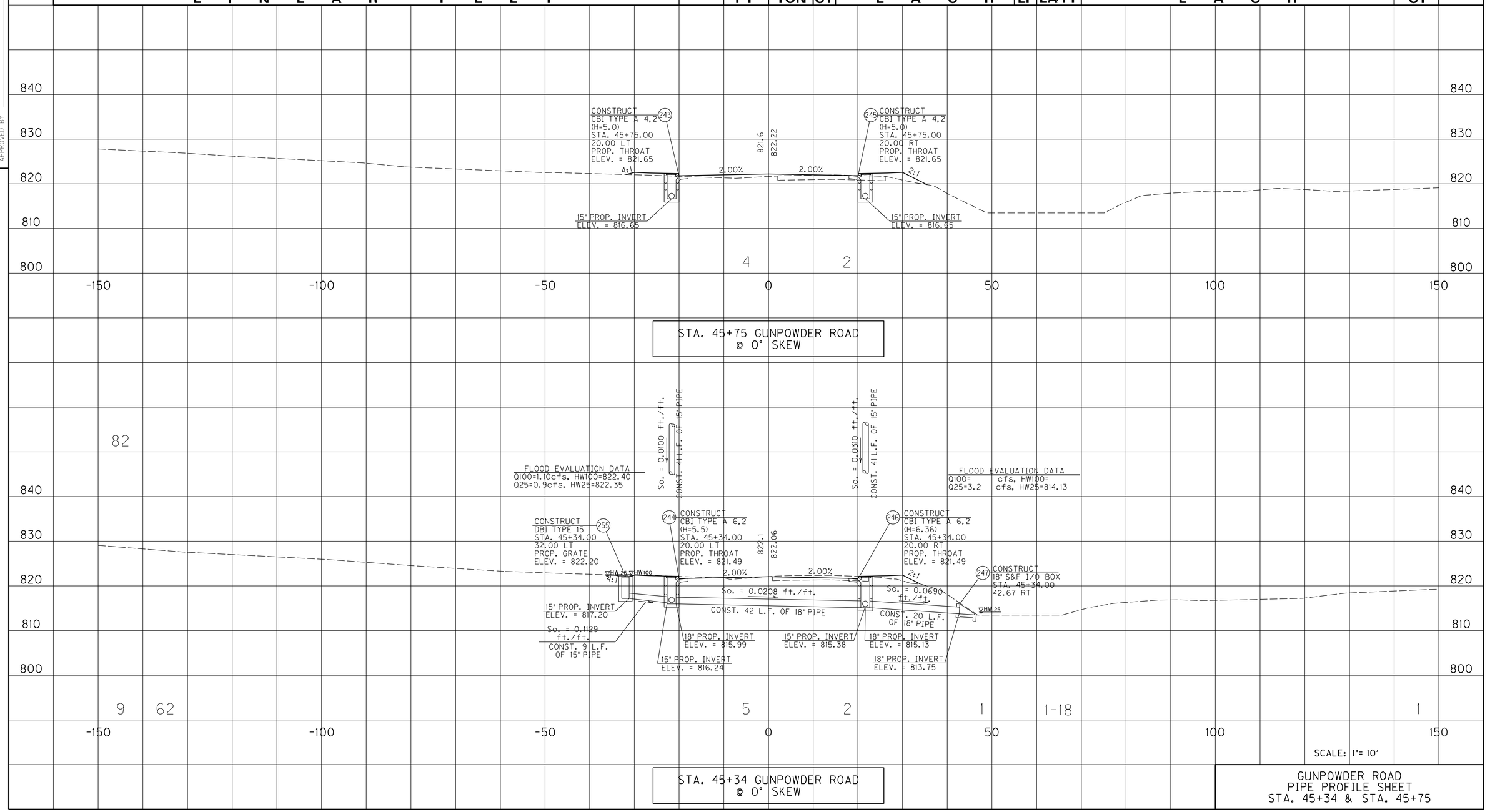
USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME: R30400PD

PIPE DRAINAGE SHEET 92 of 100

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R305

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

STORM SEWER PIPE													CULVERT PIPE				CHANNEL LINING														S&F Box Inlet-Outlet				MANHOLE TYPE					
12	15	18	24	30	36	42	48	54	60	66	72 Equiv.		18	24	30	MAX. COVER HEIGHT	CLASS II	CLASS III	TURF REINF. MAT TYPE 3	CBI TYPE A	DBI TYPE 1	DBI TYPE 3	DBI TYPE 4	DBI TYPE 11	DBI TYPE 13	DBI TYPE 15	DBI TYPE 16	SLOTTED DRAIN PIPE 12"	STANDARD HEADWALLS	18	24	30	36	A	B	C	DITCH EXCAVATION	
LINEAR FEET																FT	TON		CY	EACH								LF	EA/TY	EACH							CY	



SCALE: 1"= 10'

GUNPOWDER ROAD
PIPE PROFILE SHEET
STA. 45+34 & STA. 45+75

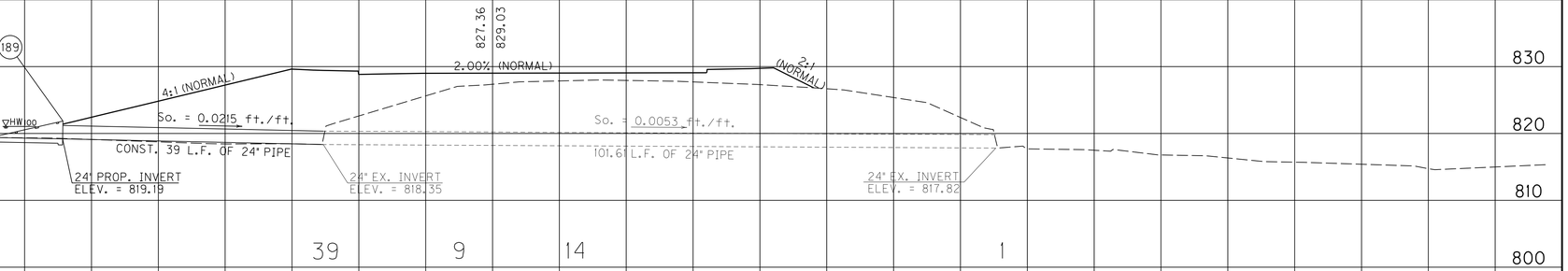
USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME: R30500PD

PIPE DRAINAGE SHEET 93 of 100

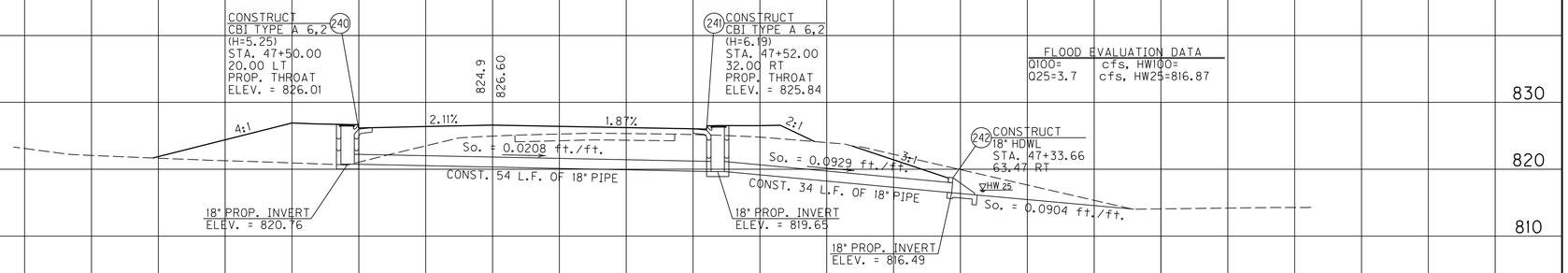
COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R306

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

STORM SEWER PIPE												CULVERT PIPE				CHANNEL LINING														S&F Box Inlet-Outlet				MANHOLE TYPE					
12	15	18	24	30	36	42	48	54	60	66	72 Equiv.	18	24	30	MAX. COVER HEIGHT	CLASS II	CLASS III	TURF REINF. MAT TYPE 3	CBI TYPE A	DBI TYPE 1	DBI TYPE 3	DBI TYPE 4	DBI TYPE 11	DBI TYPE 13	DBI TYPE 15	DBI TYPE 16	SLOTTED DRAIN PIPE 12"	STANDARD HEADWALLS	18	24	30	36	A	B	C	DITCH EXCAVATION	
LINEAR FEET															FT	TON		CY	EACH								LF	EA/TY	EACH							CY	
													39		9			14											1									



STA. 48+17.20 GUNPOWDER ROAD
3°04'57" SKEW RT.



		88													6	11	2								1-18											4	

STA. 47+50.79 GUNPOWDER ROAD
@ 2°4'12" SKEW LT.

SCALE: 1"= 10'

GUNPOWDER ROAD
PIPE PROFILE SHEET
STA. 47+50.79 & STA. 48+17.20

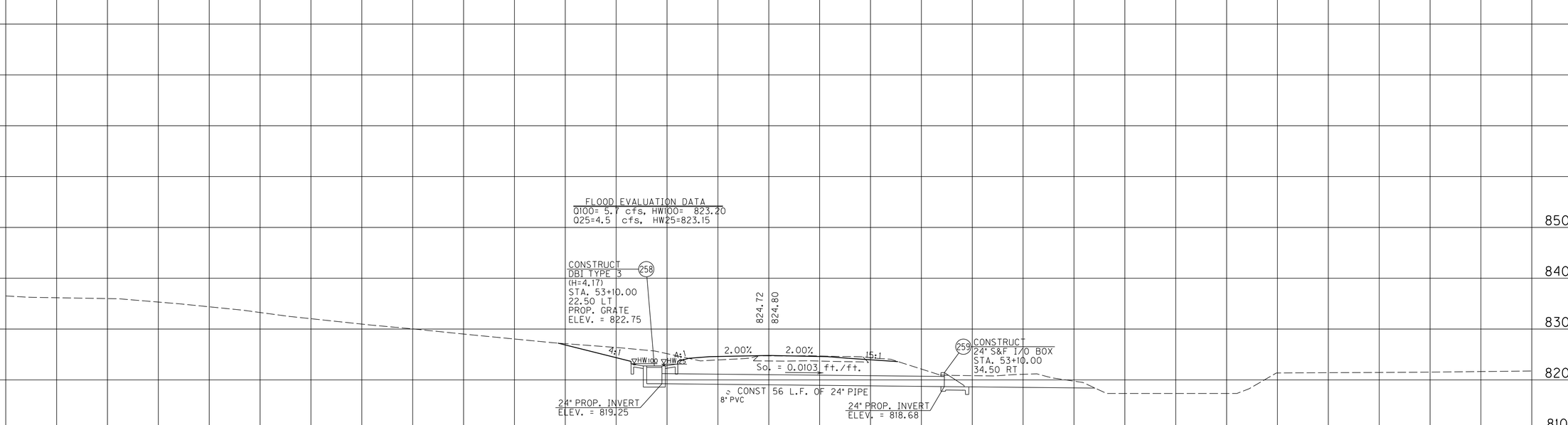
USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME: R30600PD

PIPE DRAINAGE SHEET 94 of 100

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R307

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

STORM SEWER PIPE												CULVERT PIPE				CHANNEL LINING											S&F Box Inlet-Outlet				MANHOLE TYPE				
12	15	18	24	30	36	42	48	54	60	66	72 Equiv.	18	24	30	MAX. COVER HEIGHT	CLASS II	CLASS III	TURF REINF. MAT TYPE 3	CBI TYPE A	DBI TYPE 1	DBI TYPE 3	DBI TYPE 4	DBI TYPE 11	DBI TYPE 13	DBI TYPE 15	DBI TYPE 16	SLOTTED DRAIN PIPE 12"	STANDARD HEADWALLS	18	24	30	36	A	B	C	DITCH EXCAVATION
LINEAR FEET															FT	TON		CY	EACH								LF	EA/TY	EACH						CY



STA. 53+10 GUNPOWDER ROAD
@ 0° SKEW

GUNPOWDER ROAD
PIPE PROFILE SHEET
STA. 53.10

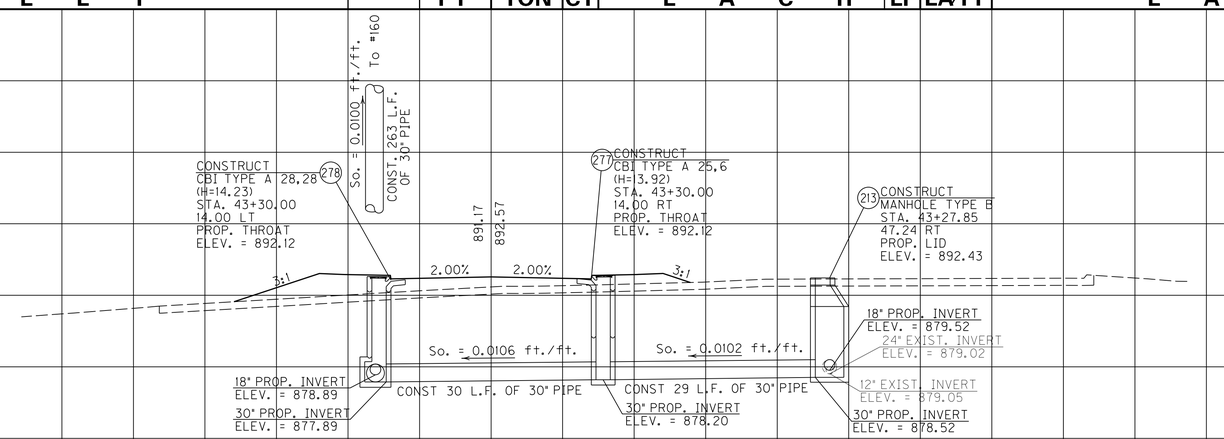
USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME: R30700PD

PIPE DRAINAGE SHEET 95 of 100

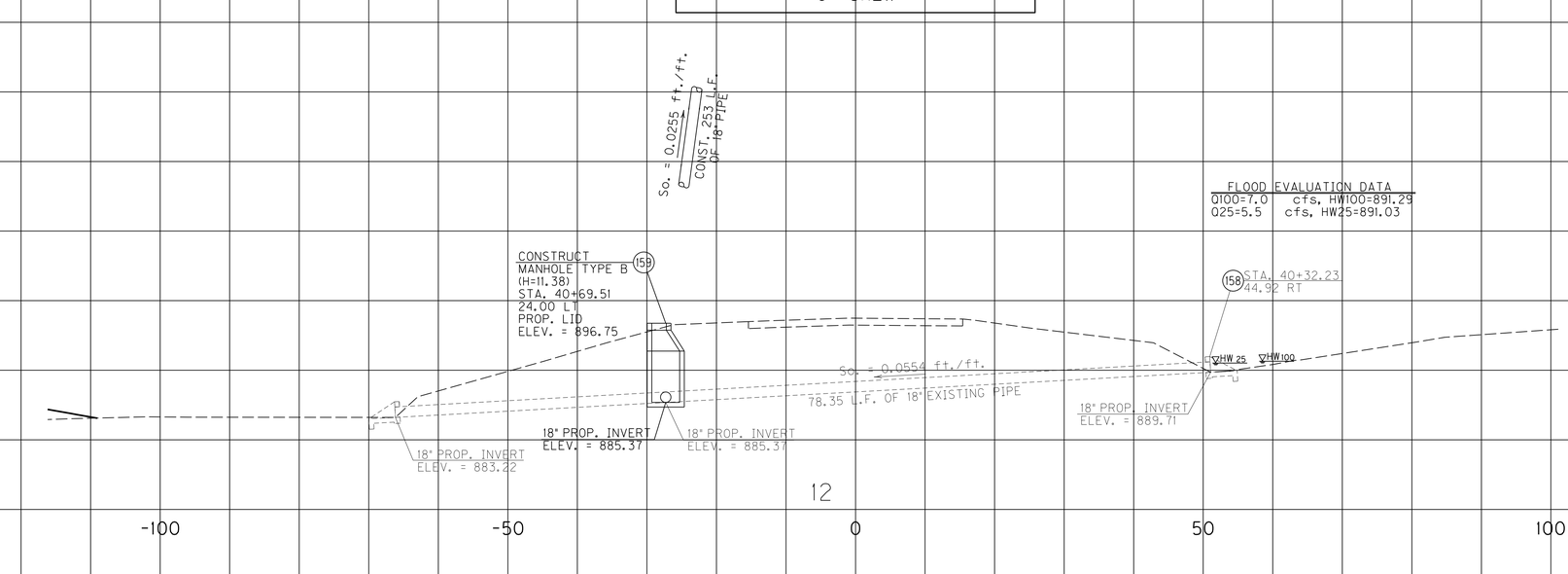
COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R308

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

STORM SEWER PIPE												CULVERT PIPE			MAX. COVER HEIGHT	CHANNEL LINING		TURF REINF. MAT TYPE 3	CBI TYPE A	DBI TYPE 1	DBI TYPE 3	DBI TYPE 4	DBI TYPE 11	DBI TYPE 13	DBI TYPE 15	DBI TYPE 16	SLOTTED DRAIN PIPE 12"	STANDARD HEADWALLS	S&F Box Inlet-Outlet				MANHOLE TYPE			DITCH EXCAVATION	
12	15	18	24	30	36	42	48	54	60	66	72 Equiv.	18	24	30		CLASS II	CLASS III												18	24	30	36	A	B	C	
LINEAR FEET															FT	TON		CY	EACH									LF	EA/TY	EACH							CY	



STA. 43+30 NORTH TIBURON
0° SKEW



STA. 41+56.53 NORTH TIBURON
28°24'45" SKEW RT

SCALE: 1"= 10'

NORTH TIBURON
PIPE PROFILE SHEET
STA. 41+23.10 & STA. 43+68

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME: R30800PD

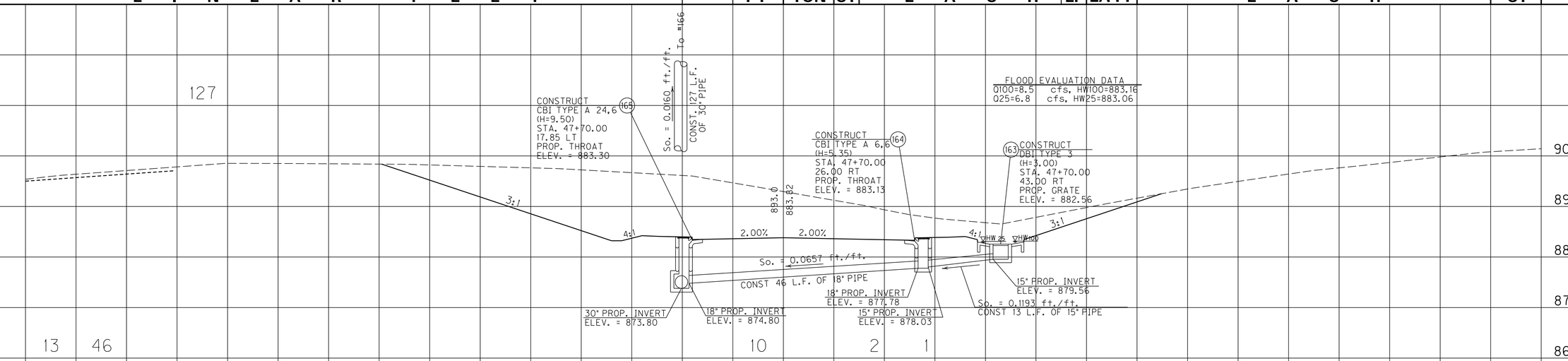
$TIME$ $DATE$ $FILE$

PIPE DRAINAGE SHEET 96 of 100

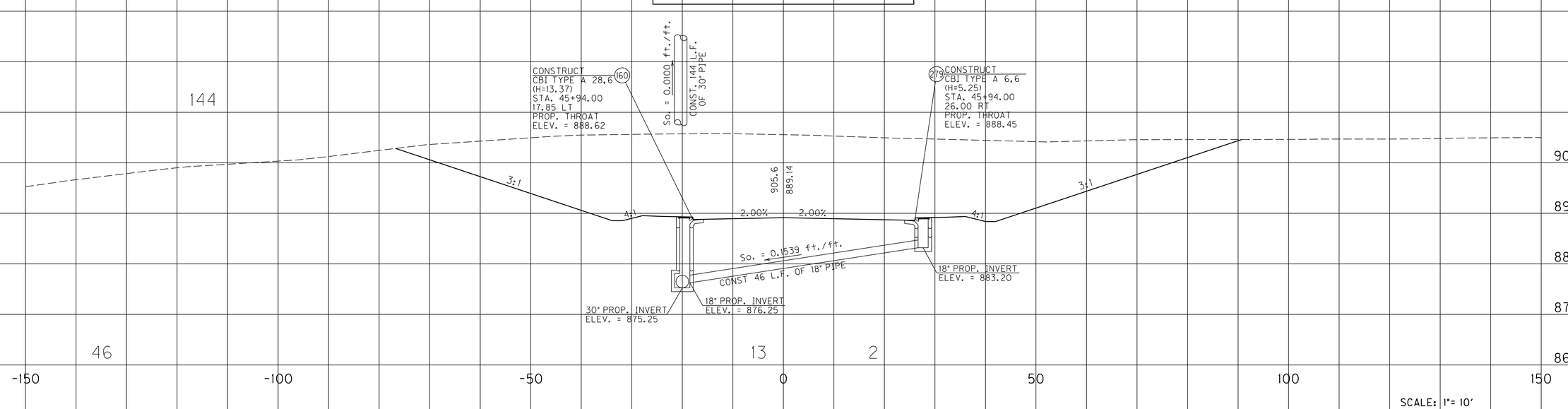
COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R309

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

STORM SEWER PIPE												CULVERT PIPE			MAX. COVER HEIGHT	CHANNEL LINING		TURF REINF. MAT TYPE 3	CBI TYPE A	DBI TYPE 1	DBI TYPE 3	DBI TYPE 4	DBI TYPE 11	DBI TYPE 13	DBI TYPE 15	DBI TYPE 16	SLOTTED DRAIN PIPE 12"	STANDARD HEADWALLS	S&F Box Inlet-Outlet				MANHOLE TYPE			DITCH EXCAVATION
12	15	18	24	30	36	42	48	54	60	66	72 Equiv.	18	24	30		CLASS II	CLASS III												18	24	30	36	A	B	C	
LINEAR FEET															FT	TON	CY	EACH									LF	EA/TY	EACH							CY
				127											10		2	1																		



STA. 47+70 NORTH TIBURON
0° SKEW



STA. 45+94 NORTH TIBURON
0° SKEW

SCALE: 1"= 10'

NORTH TIBURON
PIPE PROFILE SHEET
STA. 45+94 & STA. 47+70

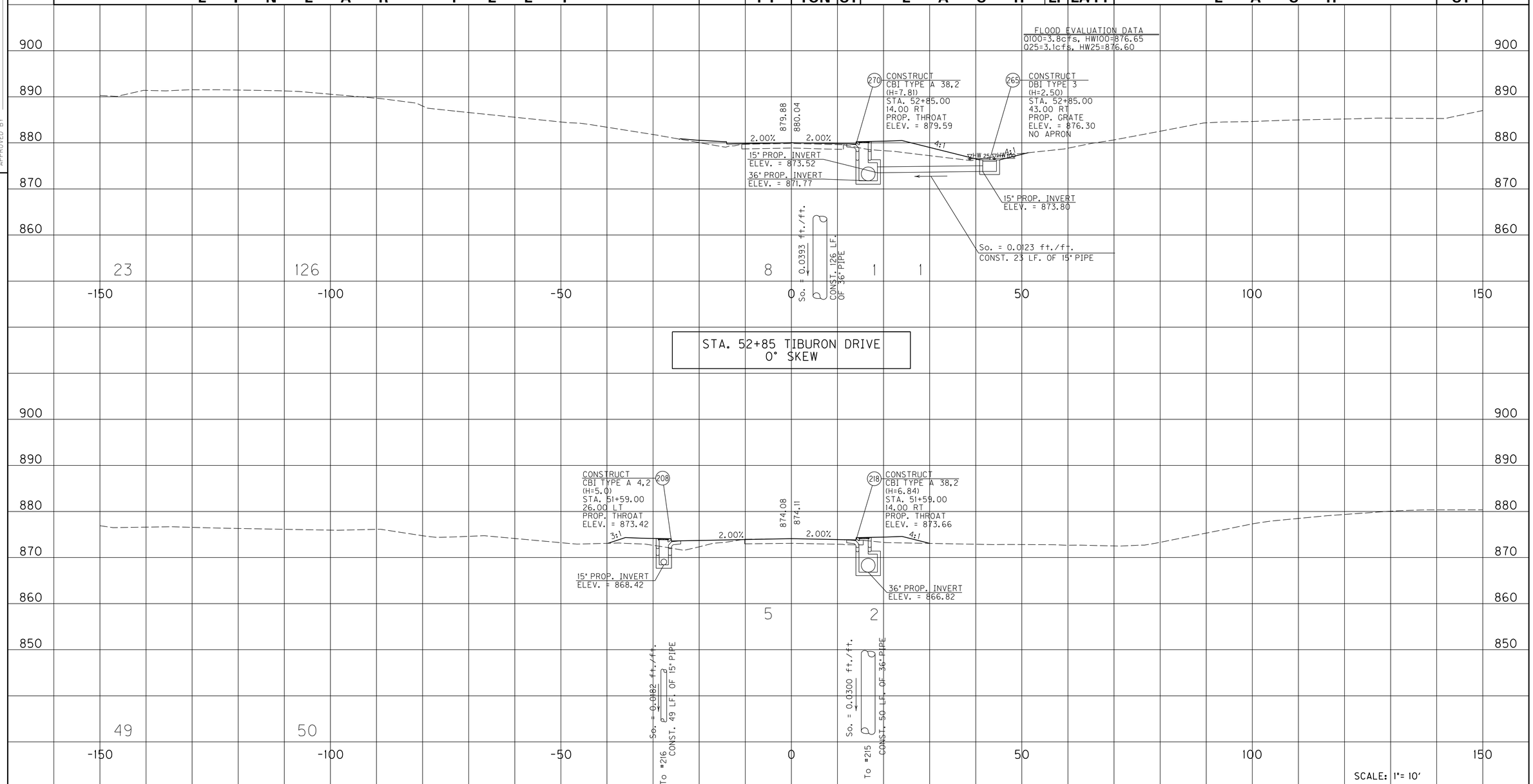
USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME: R30900PD

$TIME$ $DATE$ $FILE$

PIPE DRAINAGE SHEET 97 of 100

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R310

STORM SEWER PIPE												CULVERT PIPE				CHANNEL LINING																					
12	15	18	24	30	36	42	48	54	60	66	72 Equiv.	18	24	30	MAX. COVER HEIGHT	CLASS II	CLASS III	TURF REINF. MAT TYPE 3	CBI TYPE A	DBI TYPE 1	DBI TYPE 3	DBI TYPE 4	DBI TYPE 11	DBI TYPE 13	DBI TYPE 15	DBI TYPE 16	SLOTTED DRAIN PIPE 12"	STANDARD HEADWALLS	S&F Box Inlet-Outlet				MANHOLE TYPE			DITCH EXCAVATION
LINEAR FEET															FT	TON		CY	EACH								LF	EA/TY	EACH							CY



SCALE: 1"= 10'

TIBURON DRIVE
PIPE PROFILE SHEET
STA.51+59 & STA. 52+85

PREPARED BY DATE
CHECKED BY DATE
APPROVED BY DATE

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME: R31000PD

PIPE DRAINAGE SHEET 98 of 100

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R311

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

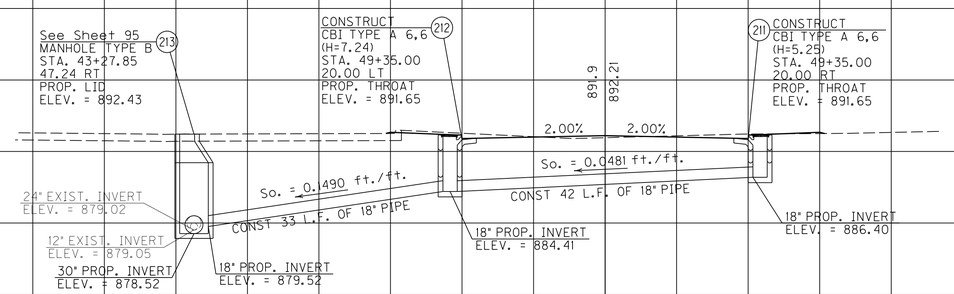
| STORM SEWER PIPE | | | | | | | | | | | | | CULVERT PIPE | | | | CHANNEL LINING | | | | | | | | | | | | |

PIPE DRAINAGE SHEET 99 of 100

COUNTY OF	ITEM NO.	SHEET NO.
BOONE	6-158.00	R312

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

STORM SEWER PIPE												CULVERT PIPE				CHANNEL LINING										S&F Box Inlet-Outlet				MANHOLE TYPE			DITCH EXCAVATION	
12	15	18	24	30	36	42	48	54	60	66	72 Equiv.	18	24	30	MAX. COVER HEIGHT	CLASS II	CLASS III	TURF REINF. MAT TYPE 3	CBI TYPE A	DBI TYPE 1	DBI TYPE 3	DBI TYPE 4	DBI TYPE 11	DBI TYPE 13	DBI TYPE 15	DBI TYPE 16	SLOTTED DRAIN PIPE 12"	STANDARD HEADWALLS	18	24	30	36	A	B	C	
LINEAR FEET															FT	TON		CY	EACH							LF	EA/TY	EACH							CY



SCALE: 1"= 10'

STA. 49+35 FLORENCE BAPTIST CHURCH APPROACH 0° SKEW

PIPE PROFILE SHEET
FLORENCE BAPTIST CHURCH
APPROACH STA. 49+35

USER: $$$$USER$$$$
DATE: $$$$DATE$$$$
FILE NAME: $$$$design$file$specification$$$$
E-SHEET NAME: R31200PD

COUNTY OF	ITEM NO.	SHEET NO.
Boone	06-158.00	R313

DATUM

MATCHLINE STA. 51+50

MATCHLINE STA. 48+50

KY-536 STA 23+09.45
ELEV. = 832.09'

CONST. 50' OF 28' F.B. CHANNEL W/2:1 SIDE SLOPES
W/70 TONS OF CHANNEL LINING CLASS III @ T=2'
DEPTH TO PROTECT = 2'

4:1 (NORMAL)

4:1 (NORMAL)

CONSTRUCT 126 LF OF 28'X8' PRECAST ARCH CULVERT
So. = 0.005 ft./ft.

Flood Evaluation Data
Q100 = 1523 cfs, HW100 = 824.58'
Q25 = 1075 cfs, HW25 = 823.60'

HW100 = 824.58'

HW25 = 823.60'

CONST. 50' OF 28' F.B. CHANNEL W/2:1 SIDE SLOPES
W/70 TONS OF CHANNEL LINING CLASS III @ T=2'
DEPTH TO PROTECT = 2'

PROP. OUTLET
ELEV. = 818.39

PROP. INLET
ELEV. = 819.00

STA. 23+03.54 KY 536
8°45'50" SKEW LT.

52+50 52+00 51+50 48+00 47+50

51+50 51+00 50+50 50+00 49+50 49+00 48+50

840 830 820 810

50 40 30 20 10 0 -10 -20 -30 -40 -50

2:1 3:1 4:1

SCALE: 1" = 10' HORIZONTAL
1" = 10' VERTICAL

KY 536 Reconstruction
28'x8' Precast Arch Culvert
Sta. 23+04

FILE NAME: G:\2925-BOONE536\SUBMISSIONS\2016-5-17 REV 10\DGN'S\ENTIRE SET\R31300PD.DGN
USER: rwittenberg
DATE PLOTTED: May 17, 2016
E-SHEET NAME: R31300PD
MicroStation v8.11.7.443