COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-8300.00	R001

RIGHT OF WAY PLANS

Commonwealth of Kentucky
DEPARTMENT OF HIGHWAYS

PLANS OF
PROPOSED PROJECT
HENRY COUNTY
KY 146 RECONSTRUCTION – PRIORITY SEGMENT NO. 1
RIGHT OF WAY PLANS
JL03 C052 8304401D

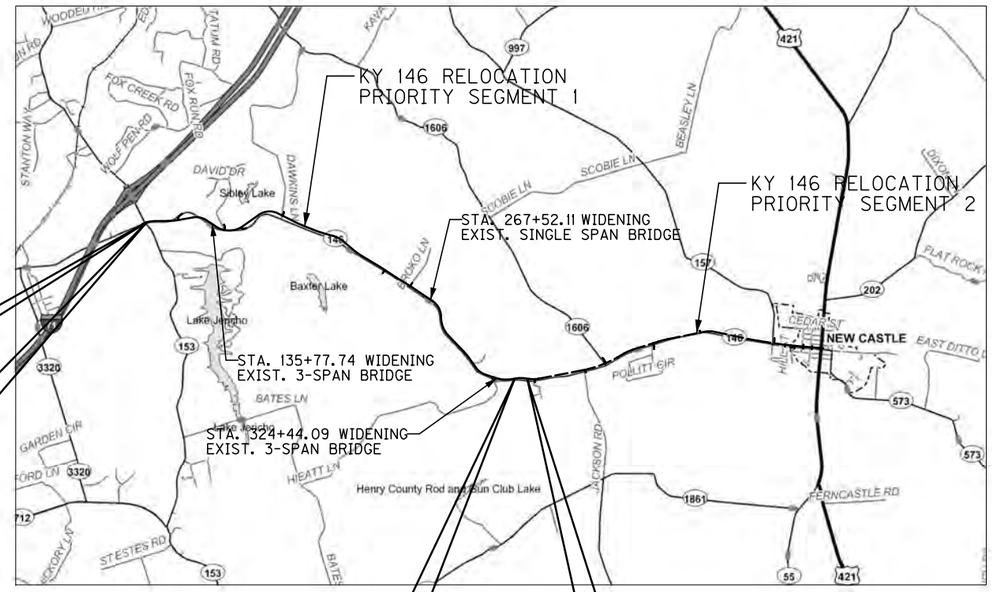
INDEX OF SHEETS

SHEET NO.	DESCRIPTION
R001	LAYOUT SHEET
R002 - R002G	TYPICAL SECTIONS
R003 - R036	PLAN AND PROFILE SHEETS
R037 - R039	RIGHT OF WAY SUMMARY SHEETS
R040 - R048	RIGHT OF WAY STRIP MAP SHEETS
R126 - R129	COORDINATE CONTROL SHEETS

SHEETS NOT INCLUDED IN TOTAL SHEETS
R002A - R002G, R009A

STANDARD DRAWINGS

NUMBER



THIS ROUTE IS NOT ON THE NATIONAL HIGHWAY SYSTEM

THE CONTROL OF ACCESS ON THIS PROJECT SHALL BE BY PERMIT

THIS IS A HALF SIZE SET OF PLANS

0' 4000' 8000' 16000'

LAYOUT MAP

DESIGN CRITERIA

CLASS OF HIGHWAY: RURAL COLLECTOR
TYPE OF TERRAIN: ROLLING
DESIGN SPEED: 55 MPH
REQUIRED NPSD: 495'
REQUIRED PSD: 900'
LEVEL OF SERVICE:
ADT PRESENT (2010) 4200
ADT FUTURE (2032) 6100
DHV (2010) 440 (2032) 650
D %:
T % (2010) 9% (2032) 11%

GEOGRAPHIC COORDINATES

LATITUDE 38 DEGREES 27 MINUTES 08 SECONDS NORTH
LONGITUDE 85 DEGREES 17 MINUTES 40 SECONDS WEST

DESIGNED

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

LENGTH 23.331 LIN. FT. 4.419 MILES	LENGTH LIN. FT. MILES	LENGTH LIN. FT. 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. 0 LIN. FT.	RAILROAD CROSSINGS NO. LIN. FT.	RAILROAD CROSSINGS NO. LIN. FT.	RAILROAD CROSSINGS NO. LIN. FT.
BRIDGES 3 EXIST. - 328.5 LIN. FT.	BRIDGES LIN. FT.	BRIDGES LIN. FT.	BRIDGES LIN. FT.

Commonwealth of Kentucky
DEPARTMENT OF HIGHWAYS
COUNTY OF
HENRY
KY 146 RELOCATION

ITEM NO. 5-8300.00
PROJECT NUMBER: JL03 C052 8304401D
LETTING DATE:

RECOMMENDED BY: PROJECT MANAGER DATE:
PLAN APPROVED BY: STATE HIGHWAY ENGINEER DATE:

PLANS PREPARED AND SUBMITTED BY:
GRW Engineers, Inc.

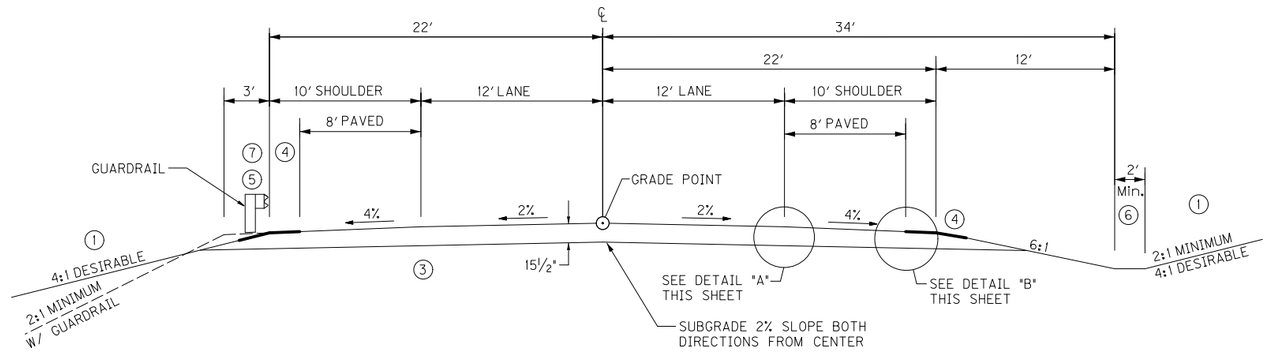
FILE NAME: I:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1\SHEETS\LAYOUT\R001OOLS-RW.DGN
USER: TRobinson
DATE PLOTTED: December 8, 2014
E-SHEET NAME:
MicroStation v8.11.7.443

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-8300.00	R002

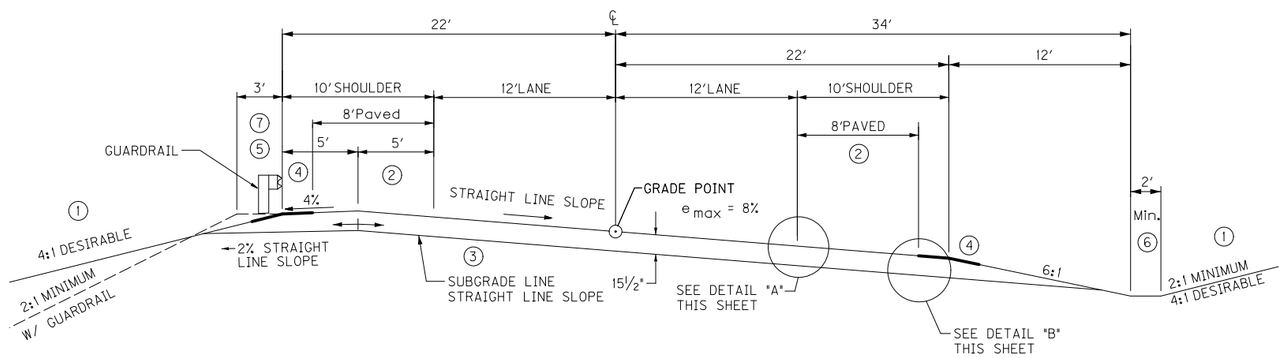
RIGHT OF WAY PLANS

TYPICAL SECTIONS

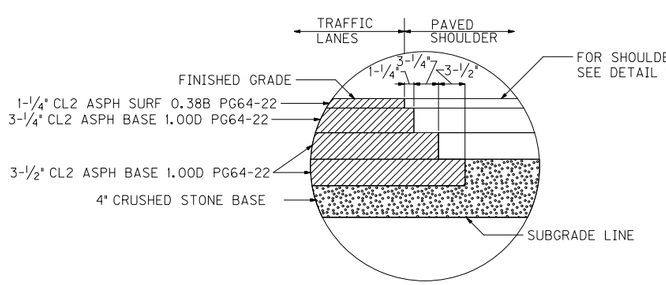
KY 146 RELOCATION
2 – LANE RURAL



NORMAL RURAL FILL /CUT SECTION



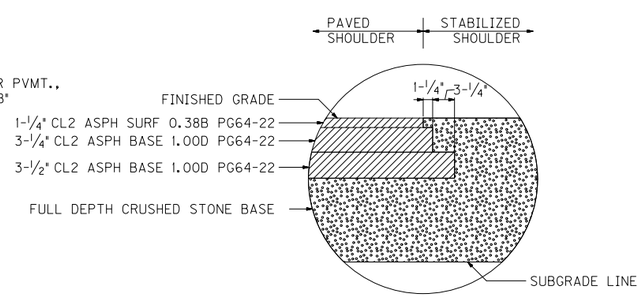
SUPERELEVATION RURAL FILL /CUT SECTION



DETAIL "A"

N.T.S.

TRAFFIC LANE PAVEMENT



DETAIL "B"

N.T.S.

SHOULDER PAVEMENT

NOTES

1. SEE CROSS SECTIONS FOR SLOPES OUTSIDE THE LIMITS OF THE SHOULDERS.
2. SUPERELEVATED SHOULDER TO BE CONSTRUCTED TO SUPERELEVATION RATE. AT NO TIME WILL THE SLOPE BE FLATTER THAN THE SLOPE INDICATED FOR NORMAL SECTION.
3. REFILL MATERIAL TO CONFORM TO APPLICABLE SECTIONS OF THE CURRENT EDITION OF KENTUCKY STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
4. ASPHALT SEAL REQUIRED FROM OUTSIDE EDGE OF PAVED SHOULDER TO A POINT 2' DOWN THE DITCH OR FILL SLOPE.

   ASPHALT SEAL COAT (2 APPLICATIONS) —— ASPHALT SEAL COAT @ 2.40 LBS./S.Y. BITUMINOUS SEAL AGGREGATE @ 20 LBS./S.Y. (CRUSHED AGGREGATE SIZE NO.8 OR 9M)
5. SHOULDERS SHALL BE WIDENED 3' WHERE GUARDRAIL IS TO BE INSTALLED.
6. SEE PLANS FOR CHANNEL LINING REQUIREMENTS. UNLESS OTHERWISE DIRECTED ALL DITCHES NOT RECEIVING RIPRAP CHANNEL LINING SHALL BE LINED WITH EROSION CONTROL BLANKET WITH A MINIMUM DEPTH TO PROTECT OF ONE-AND-A-HALF (1.5) FEET.
7. PAVEMENT SHOULD BE EXTENDED TO FACE OF GUARDRAIL.

PAVEMENT SCHEDULE

TRAFFIC LANES	
CRUSHED STONE BASE	4" DEPTH
CL 2 ASPH BASE 1.00D PG64-22	10-¼" DEPTH
CL 2 ASPH SURF 0.38B PG 64-22	1-¼" DEPTH
SHOULDERS	
CRUSHED STONE BASE	FULL DEPTH
CL 2 ASPH BASE 1.00D PG64-22	6-¾" DEPTH
CL 2 ASPH SURF 0.38B PG64-22	1-¼" DEPTH

NOTE:

PAVEMENT DESIGN SHOWN IS FOR ESTIMATING PURPOSES ONLY. THE PAVEMENT DESIGN WILL BE FINALIZED BASED ON THE RESULTS OF THE GEOTECHNICAL INVESTIGATION.

0' 5' 10' 20'

SCALE: 1"= 5"

MAINLINE
RURAL TYPICAL SECTIONS
KY 146 RELOCATION

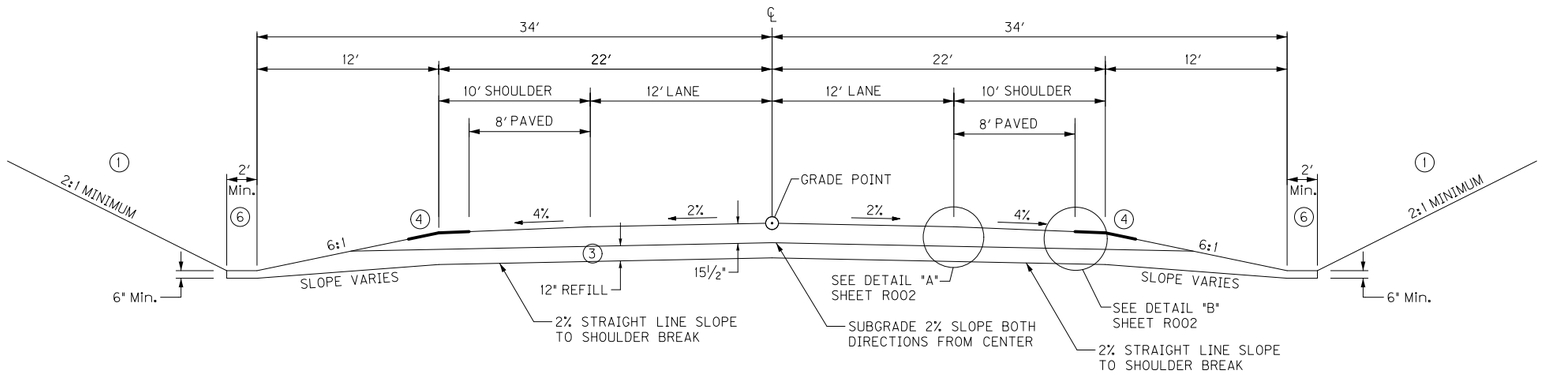
MicroStation v8.11.7.443 E-SHEET NAME: USER: sgrice DATE PLOTTED: December 8, 2014 FILE NAME: I:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1\SHEETS\TYPICAL SECTIONS\R002OTS.DGN

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-8300.00	R002A

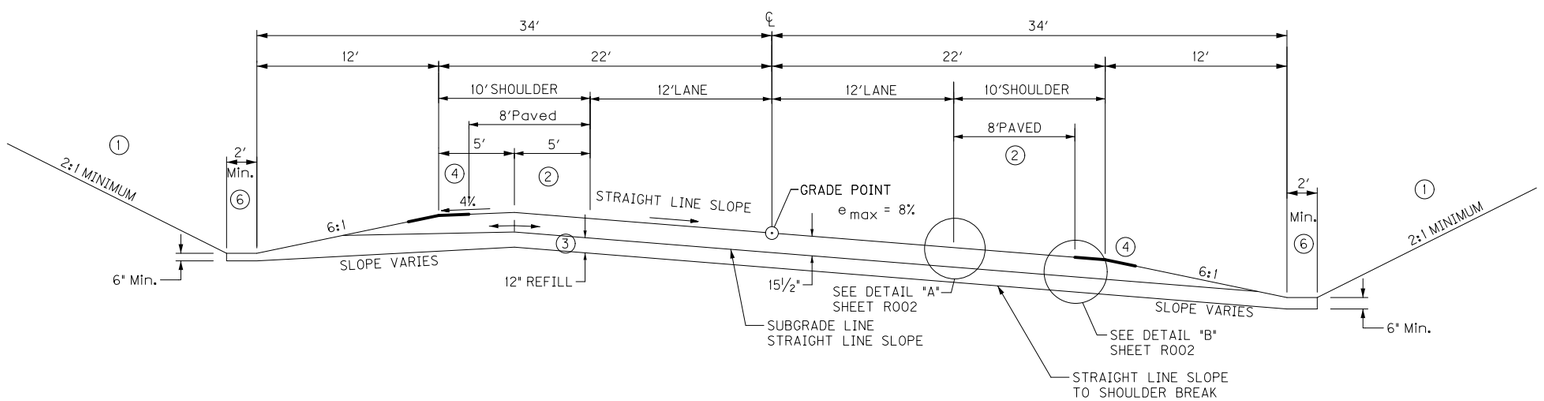
RIGHT OF WAY PLANS

TYPICAL SECTIONS

KY 146 RELOCATION
2 – LANE RURAL ROCK



NORMAL RURAL ROCK CUT SECTION



SUPERELEVATION RURAL ROCK CUT SECTION

NOTES

1. SEE CROSS SECTIONS FOR SLOPES OUTSIDE THE LIMITS OF THE SHOULDERS.
2. SUPERELEVATED SHOULDER TO BE CONSTRUCTED TO SUPERELEVATION RATE. AT NO TIME WILL THE SLOPE BE FLATTER THAN THE SLOPE INDICATED FOR NORMAL SECTION.
3. REFILL MATERIAL TO CONFORM TO APPLICABLE SECTIONS OF THE CURRENT EDITION OF KENTUCKY STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
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5. SHOULDERS SHALL BE WIDENED 3' WHERE GUARDRAIL IS TO BE INSTALLED.
6. SEE PLANS FOR CHANNEL LINING REQUIREMENTS. UNLESS OTHERWISE DIRECTED ALL DITCHES NOT RECEIVING RIPRAP CHANNEL LINING SHALL BE LINED WITH EROSION CONTROL BLANKET WITH A MINIMUM DEPTH TO PROTECT OF ONE-AND-A-HALF (1.5) FEET.

0' 5' 10' 20'

SCALE: 1"= 5'

MAINLINE
RURAL ROCK CUT TYPICAL SECTIONS
KY 146 RELOCATION

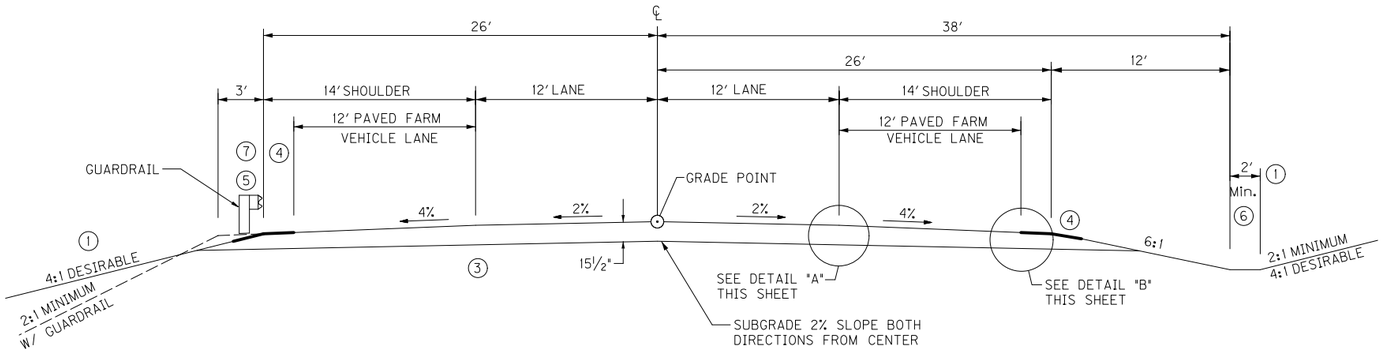
FILE NAME: I:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1\SHEETS\TYPICAL SECTIONS\R0020ATS.DGN
USER: TRobinson
DATE PLOTTED: December 8, 2014
E-SHEET NAME:
MicroStation v8.11.7.443

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-8300.00	R002B

RIGHT OF WAY PLANS

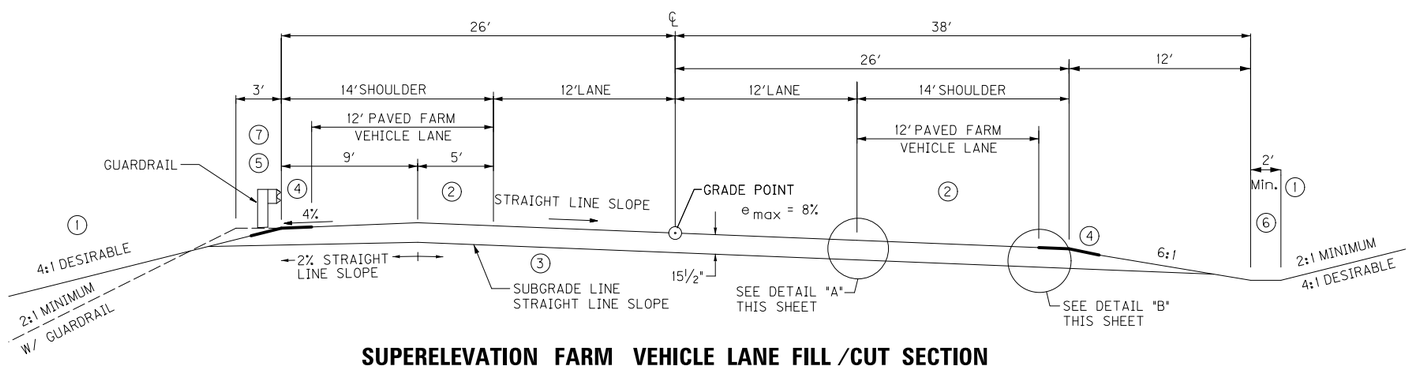
TYPICAL SECTIONS

KY 146 RELOCATION
2 – LANE RURAL W/FARM VEHICLE LANE



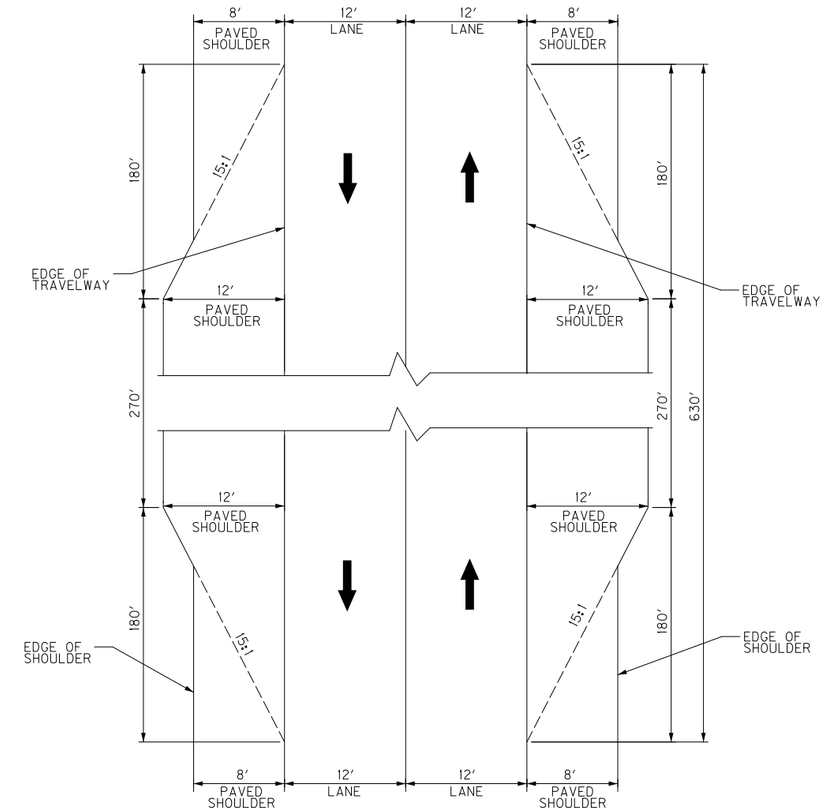
FARM VEHICLE LANE FILL/CUT SECTION

STA. 156+50.00 TO STA. 162+80.00
STA. 241+70.00 TO STA. 248+00.00



SUPERELEVATION FARM VEHICLE LANE FILL/CUT SECTION

STA. 156+50.00 TO STA. 162+80.00
STA. 241+70.00 TO STA. 248+00.00



FARM VEHICLE LANE PLAN VIEW

N.T.S.

NOTES

1. SEE CROSS SECTIONS FOR SLOPES OUTSIDE THE LIMITS OF THE SHOULDERS.
2. SUPERELEVATED SHOULDER TO BE CONSTRUCTED TO SUPERELEVATION RATE. AT NO TIME WILL THE SLOPE BE FLATTER THAN THE SLOPE INDICATED FOR NORMAL SECTION.
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7. PAVEMENT SHOULD BE EXTENDED TO FACE OF GUARDRAIL.

0′ 5′ 10′ 20′

PAVEMENT SCHEDULE

TRAFFIC LANES	
CRUSHED STONE BASE	4" DEPTH
CL 2 ASPH BASE 1.00D PG64-22	10-¼" DEPTH
CL 2 ASPH SURF 0.38B PG 64-22	1-¼" DEPTH
SHOULDERS	
CRUSHED STONE BASE	FULL DEPTH
CL 2 ASPH BASE 1.00D PG64-22	6-¾" DEPTH
CL 2 ASPH SURF 0.38B PG64-22	1-¼" DEPTH

NOTE:

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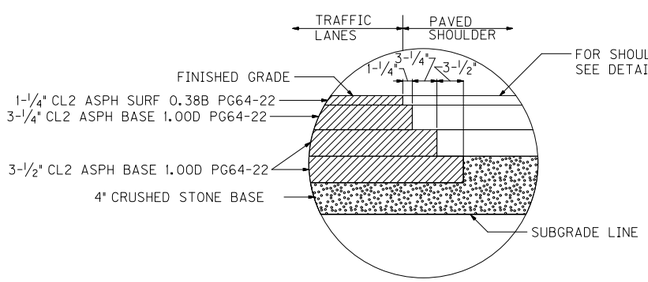
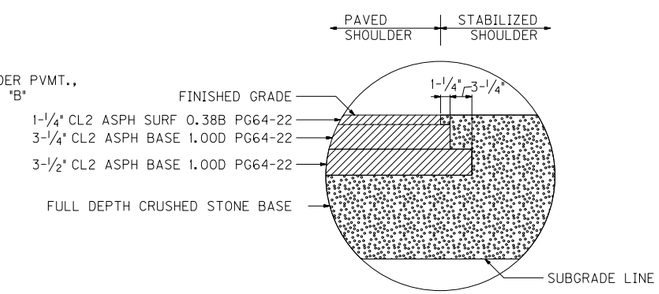


DETAIL "A"

N.T.S.

TRAFFIC LANE PAVEMENT



DETAIL "B"

N.T.S.

SHOULDER PAVEMENT

SCALE: 1"= 5"

MAINLINE
FARM VEHICLE LANE TYPICAL SECTIONS
KY 146 RELOCATION

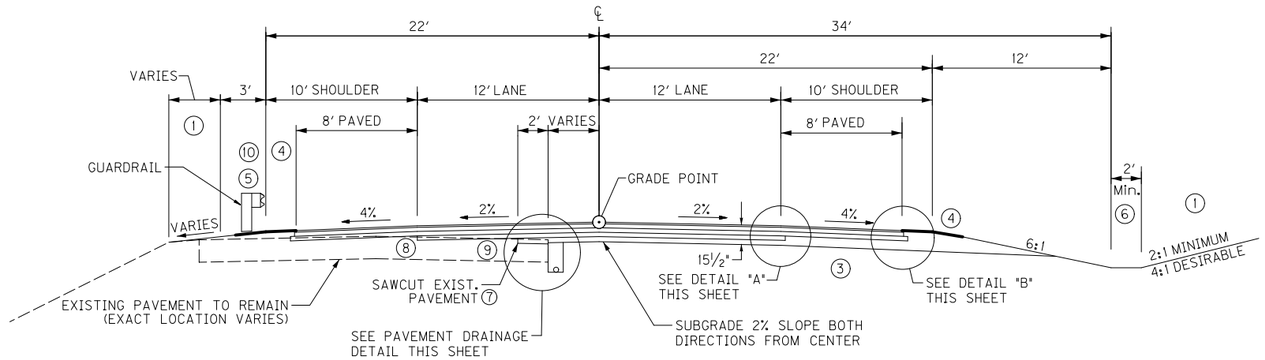
FILE NAME: I:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1\SHEETS\TYPICAL SECTIONS\R0020BTS.DGN
USER: TRobinson
DATE PLOTTED: December 8, 2014
E-SHEET NAME:
MicroStation v8.11.7.443

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-8300.00	R002C

RIGHT OF WAY PLANS

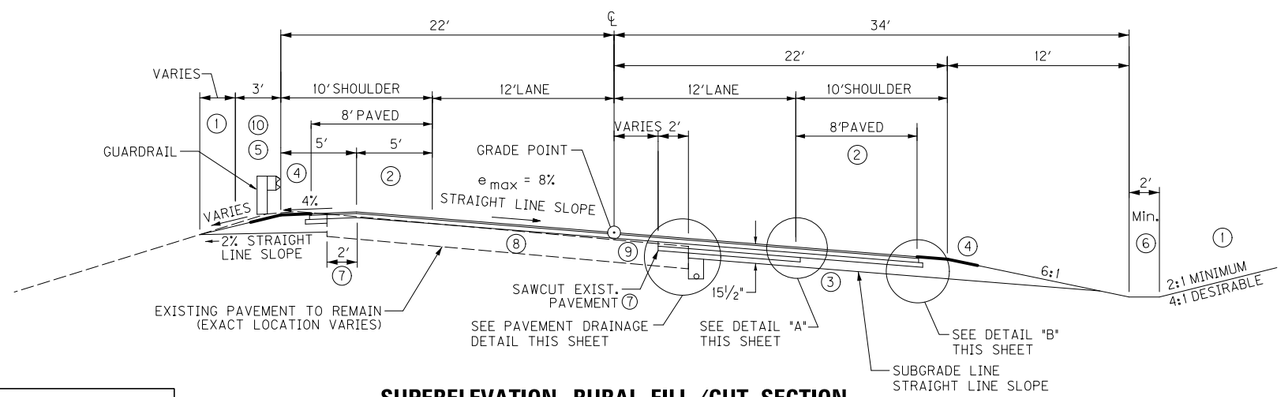
TYPICAL SECTIONS

KY 146 RELOCATION
2 – LANE RURAL WIDENING/OVERLAY



NORMAL RURAL FILL /CUT SECTION

STA. 267 + 91.73 TO STA. 309 + 00



SUPERELEVATION RURAL FILL /CUT SECTION

STA. 267 + 91.73 TO STA. 309 + 00

NOTES

1. SEE CROSS SECTIONS FOR SLOPES OUTSIDE THE LIMITS OF THE SHOULDERS.
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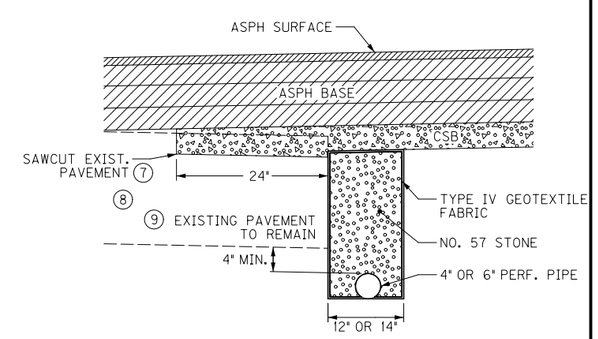
5. SHOULDERS SHALL BE WIDENED 3′ WHERE GUARDRAIL IS TO BE INSTALLED.
6. SEE PLANS FOR RIPRAP CHANNEL LINING REQUIREMENTS. UNLESS OTHERWISE DIRECTED ALL DITCHES NOT RECEIVING RIPRAP CHANNEL LINING SHALL BE LINED WITH EROSION CONTROL BLANKET WITH A MINIMUM DEPTH TO PROTECT OF ONE-AND-A-HALF (1.5) FEET.
7. LONGITUDINAL SAWCUT SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION OF THE ASPHALT CONCRETE.
8. SCARIFYING, LEVELING AND WEDGING WILL BE REQUIRED TO ACCOMMODATE EXISTING PAVEMENT.
9. THE EXISTING PAVEMENT BLOCK IS AS FOLLOWS: CSB - 6 INCHES AND TOTAL ASPHALT - 11 ¾ INCHES. THE NEW CSB BASE IN THE WIDENING PORTION SHOULD EXTEND TO THE BOTTOM OF THE EXISTING CSB TO PROVIDE POSITIVE DRAINAGE.
10. PAVEMENT SHOULD BE EXTENDED TO FACE OF GUARDRAIL.



PAVEMENT DRAINAGE DETAIL

SCALE: 1" = 1′

PERFORATED PIPE SHALL BE PLACED IN THE TRENCH BOTTOM ON APPROPRIATELY INSTALLED TYPE IV GEOTEXTILE FABRIC.

NO. 57 STONE SHALL BE PLACED AND COMPACTED IN 6-INCH MAXIMUM LIFTS.

LONGITUDINAL PERFORATED PIPES ARE NOT SHOWN ON THE PLANS. PERFORATED PIPE SIZES AND QUANTITES ARE SHOWN IN THE SUBGRADE UNDERDRAIN CONSTRUCTION NOTES AND SHALL MATCH THE NON-PERFORATED PIPE OUTLET SIZE.

TYPE IV GEOTEXTILE FABRIC SHALL BE EXTENDED 12 INCHES TRANSVERSELY ALONG THE TOP AND BOTTOM OF THE DRAINAGE BLANKET COURSE .

CRUSHED AGGREGATE SIZE NO. 57 AND FABRIC - GEOTEXTILE FABRIC TYPE IV SHALL BE INCIDENTAL TO THE CONTRACT UNIT BID PRICE FOR PERFORATED PIPE - 4 INCH.

PAVEMENT SUBGRADE DRAIN OUTLET LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE. OUTLETS SHALL BE SLOPED TO DRAIN. EXACT OUTLET SLOPES, LOCATIONS AND ELEVATIONS SHALL BE DETERMINED IN THE FIELD AND SUBJECT TO THE APPROVAL OF THE ENGINEER.

0′ 5′ 10′ 20′

PAVEMENT SCHEDULE

TRAFFIC LANES WIDENING	
CRUSHED STONE BASE	4" DEPTH
CL 2 ASPH BASE 1.00D PG64-22	10-¼" DEPTH
CL 2 ASPH SURF 0.38B PG 64-22	1-¼" DEPTH
TRAFFIC LANES OVERLAY	
LEVELING AND WEDGING PG64-22	VARIES (TON)
CL 2 ASPH BASE 1.00D PG64-22	10-¼" DEPTH
CL 2 ASPH SURF 0.38B PG 64-22	1-¼" DEPTH
SHOULDERS WIDENING	
CRUSHED STONE BASE	FULL DEPTH
CL 2 ASPH BASE 1.00D PG64-22	6-¾" DEPTH
CL 2 ASPH SURF 0.38B PG64-22	1-¼" DEPTH
SHOULDERS OVERLAY	
LEVELING AND WEDGING	VARIES (TON)
CRUSHED STONE BASE	VARIES (TON)
CL 2 ASPH BASE 1.00D PG64-22	6-¾" DEPTH
CL 2 ASPH SURF 0.38B PG64-22	1-¼" DEPTH

NOTE:

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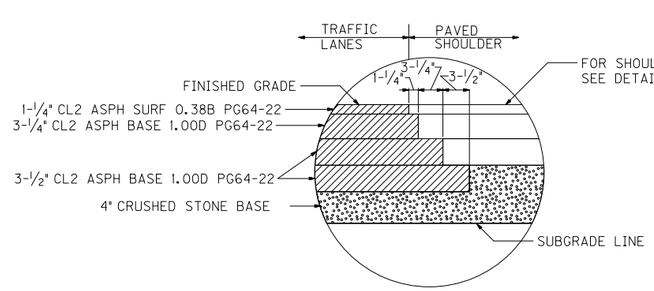
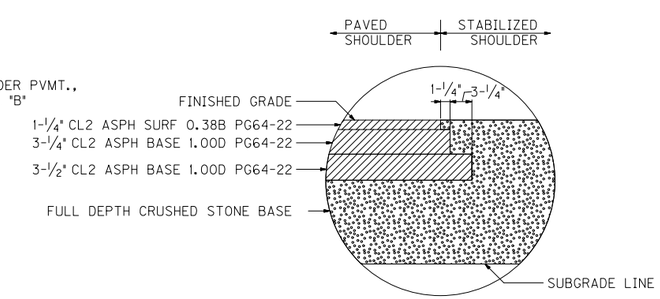


DETAIL "A"

N.T.S.

TRAFFIC LANE PAVEMENT



DETAIL "B"

N.T.S.

SHOULDER PAVEMENT

SCALE: 1"= 5"

MAINLINE
RURAL WIDENING TYPICAL SECTIONS
KY 146 RELOCATION

MicroStation v8.11.7.443 E-SHEET NAME: USER: TRobinson DATE PLOTTED: December 8, 2014 FILE NAME: I:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1\SHEETS\TYPICAL SECTIONS\R0020CTS.DGN

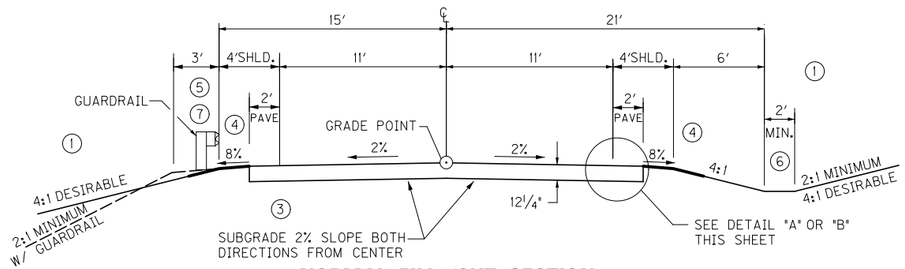
COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-8300.00	R002D

RIGHT OF WAY PLANS

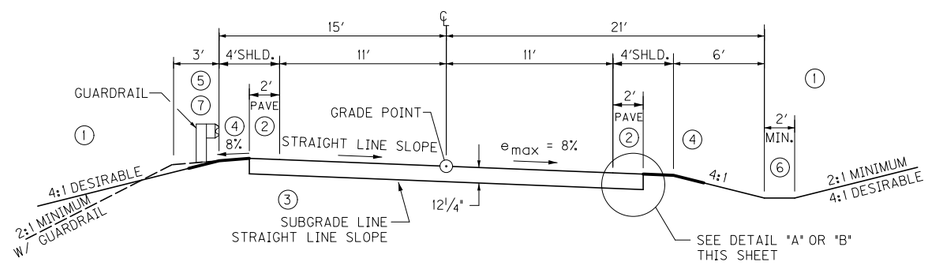
TYPICAL SECTIONS

LOCAL ACCESS ROADS

(CONNECTORS NO. 1 & 2, ROSEHILL LANE, DAWKINS LANE, BROKO LANE, HIEATT LANE)



NORMAL FILL /CUT SECTION



SUPERELEVATION FILL /CUT SECTION

NOTES

1. SEE CROSS SECTIONS FOR SLOPES OUTSIDE THE LIMITS OF THE SHOULDERS.
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7. PAVEMENT SHOULD BE EXTENDED TO FACE OF GUARDRAIL.

PAVEMENT SCHEDULE

BROKO LANE AND HIEATT LANE TRAFFIC LANES AND SHOULDERS	
CRUSHED STONE BASE	4" DEPTH
CL 2 ASPH BASE 1.00D PG64-22	10-¼" DEPTH
CL 2 ASPH SURF 0.38B PG 64-22	1-¼" DEPTH
CONN. NO. 1 & 2, ROSEHILL LANE AND DAWKINS LANE TRAFFIC LANES AND SHOULDERS	
CSB	8" DEPTH
CL2 ASPH BASE 0.75D PG64-22	3" DEPTH
CL2 ASPH SURF 0.38D PG64-22	1-¼" DEPTH

NOTE:

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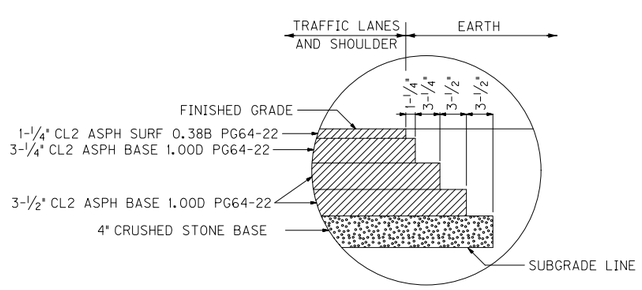
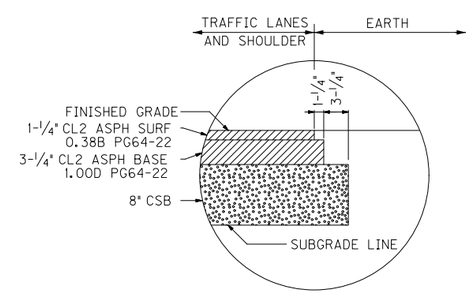


DETAIL "A"

N.T.S.

L.A.R PAVEMENT
USE DETAIL "A" FOR
BROKO LANE AND HIEATT LANE



DETAIL "B"

N.T.S.

L.A.R PAVEMENT
USE DETAIL "B" FOR
CONN. NO. 1 & 2, ROSEHILL LANE AND DAWKINS LANE

0' 5' 10' 20'

SCALE: 1"= 5"

LOCAL ACCESS ROADS
RURAL TYPICAL SECTIONS
KY 146 RELOCATION

MicroStation v8.11.7.443 E-SHEET NAME: USER: TRobinson DATE PLOTTED: December 8, 2014 FILE NAME: I:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1\SHEETS\TYPICAL SECTIONS\R0020DTS.DGN

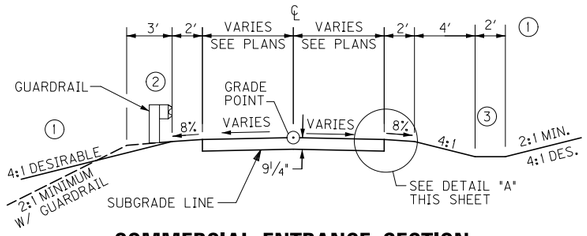
COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-8300.00	R002E

RIGHT OF WAY PLANS

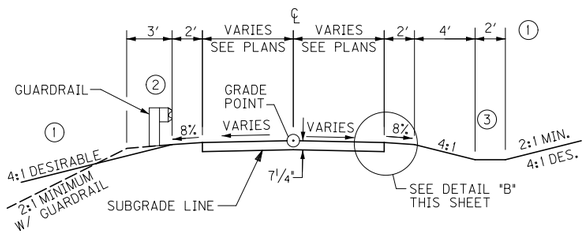
TYPICAL SECTIONS
ENTRANCES AND DETAILS

NOTES

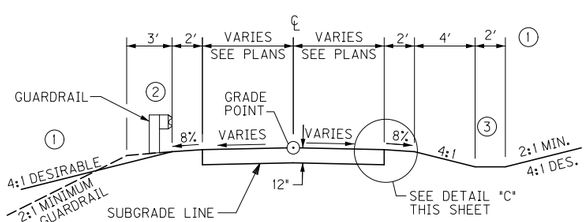
1. SEE CROSS SECTIONS FOR SLOPES OUTSIDE THE LIMITS OF THE SHOULDERS AND BORDERS.
2. SHOULDERS SHALL BE WIDENED 3' WHERE GUARDRAIL IS TO BE INSTALLED.
3. SEE PLANS FOR RIPRAP CHANNEL LINING REQUIREMENTS. UNLESS OTHERWISE DIRECTED ALL DITCHES NOT RECEIVING RIPRAP CHANNEL LINING SHALL BE LINED WITH EROSION CONTROL BLANKET WITH A MINIMUM DEPTH TO PROTECT OF ONE-AND-A-HALF (1.5) FEET.



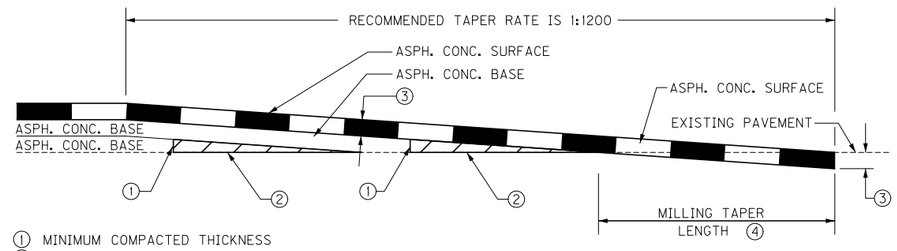
COMMERCIAL ENTRANCE SECTION



RESIDENTIAL AND FARM FIELD ENTRANCE SECTION



CONCRETE COMMERCIAL /RESIDENTIAL ENTRANCE SECTION

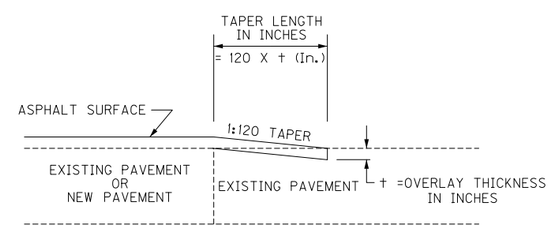


1. MINIMUM COMPACTED THICKNESS
2. ASPHALT MIXTURE FOR LEVELING AND WEDGING OR NEXT COURSE OF ASPHALT MIXTURE.
3. ASPHALT SURFACE THICKNESS (FULL DEPTH)
4. MILL EXISTING PAVEMENT TO RECEIVE ASPHALT SURFACE FULL DEPTH (EDGE KEY).

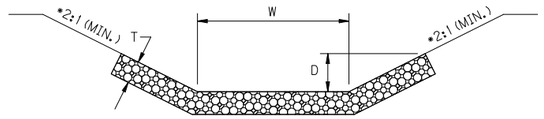
TAPER LENGTH (ft) = $\frac{t\ (in) \times \text{TAPER RATE}}{12}$

FOR A TAPER RATE OF 1:1200
TAPER LENGTH = 125 FEET WHEN t = 1.25 inches
TAPER LENGTH = 150 FEET WHEN T = 1.50 inches

TAPERING OF OVERLAYS ON HIGH SPEED FACILITIES (≥45 MPH)



TAPERING OF OVERLAYS ON LOW SPEED FACILITIES (<45 MPH)



* SEE CROSS SECTIONS FOR VARYING SLOPES

TYPICAL CHANNEL LINING DETAIL

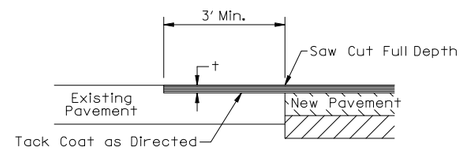
N.T.S.

W = WIDTH
T = LINING THICKNESS
CLASS II CH. LIN.: T=15"
CLASS III CH. LIN.: T=24"
D = DEPTH TO PROTECT
ECB = 1.5' MIN.
TRM OR CHANNEL LINING = 1' MIN.

NOTES: SEE CONST. PLAN NOTES FOR VALUE OF W AND D.

PARTIALLY GROUTED RIPRAP

Partially Grouted Riprap, as described in DR 504-7, aims to increase the stability of the riprap without sacrificing its flexibility. The bid items for the construction of partially grouted riprap include Concrete Class B and Channel Lining. The quantity of Concrete Class B is estimated at 20% of the top 1' of the area to be grouted.

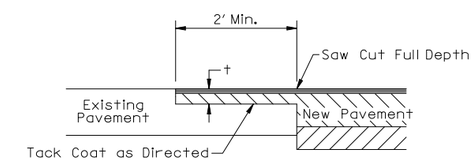


TRANSVERSE PAVEMENT TIE DETAIL

N.T.S.

t = THICKNESS OF SURFACE COURSE

Work under this item shall include cutting out the existing asphalt surface to a minimum depth and width as shown, so the new surface may heel into the existing surface. This work shall be incidental to construction of the asphalt concrete.



LONGITUDINAL PAVEMENT TIE DETAIL

N.T.S.

t = THICKNESS OF SURFACE COURSE AND FIRST BASE COURSE

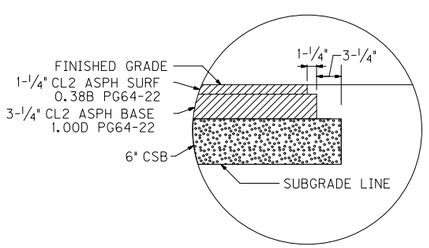
Work under this item shall include cutting out the existing asphalt surface to a minimum depth and width as shown, so the new surface may heel into the existing surface. This work shall be incidental to construction of the asphalt concrete.

PAVEMENT SCHEDULE

COMMERCIAL ENTRANCE TRAFFIC LANES	
CRUSHED STONE BASE	6" DEPTH
CL2 ASPH BASE 1.00D PG64-22	2" DEPTH
CL2 ASPH SURF 0.38D PG64-22	1-¼" DEPTH
RESIDENTIAL AND FARM ENTRANCE TRAFFIC LANES	
CRUSHED STONE BASE	4" DEPTH
CL2 ASPH BASE 1.00D PG64-22	2" DEPTH
CL2 ASPH SURF 0.38D PG64-22	1-¼" DEPTH
CONCRETE ENTRANCE TRAFFIC LANES	
CRUSHED STONE BASE	4" DEPTH
RIGID PCC	8" DEPTH

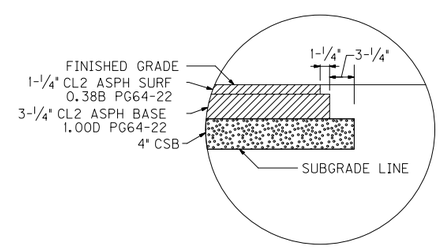
NOTE:

PAVEMENT DESIGN SHOWN IS FOR ESTIMATING PURPOSES ONLY. THE PAVEMENT DESIGN WILL BE FINALIZED BASED ON THE RESULTS OF THE GEOTECHNICAL INVESTIGATION.



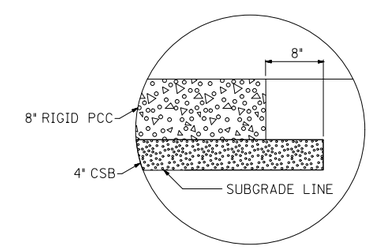
DETAIL "A"

N.T.S.
COMMERCIAL ENTRANCE PAVEMENT



DETAIL "B"

N.T.S.
RESIDENTIAL AND FARM ENTRANCE PAVEMENT



DETAIL "C"

N.T.S.
CONCRETE COMMERCIAL /RESIDENTIAL ENTRANCE PAVEMENT

0' 5' 10' 20'

SCALE: 1"= 5"

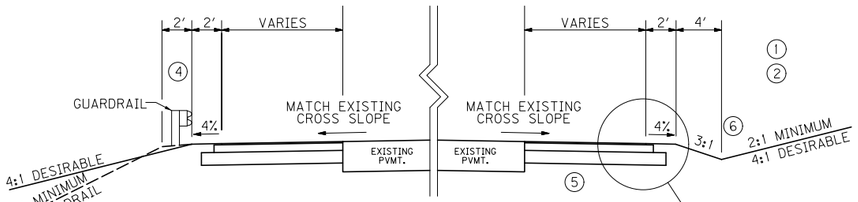
ENTRANCES AND DETAILS
TYPICAL SECTIONS
KY 146 RELOCATION

FILE NAME: I:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1\SHEETS\TYPICAL SECTIONS\R0020ETS.DGN
USER: TRobinson
DATE PLOTTED: December 8, 2014
E-SHEET NAME:
MicroStation v8.11.7.443

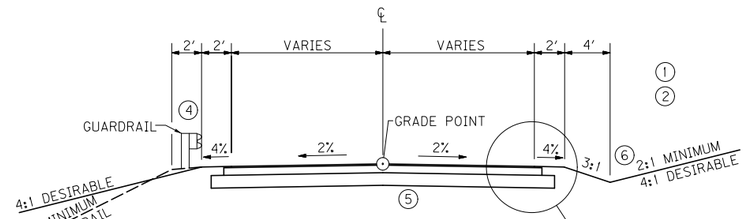
TYPICAL SECTIONS
TEMPORARY CONSTRUCTION

RIGHT OF WAY PLANS

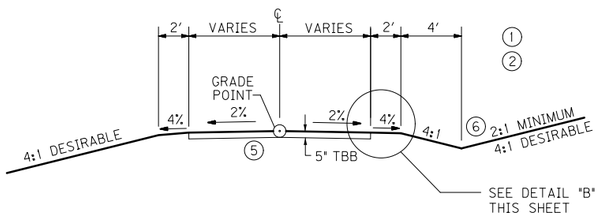
COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-8300.00	R002F



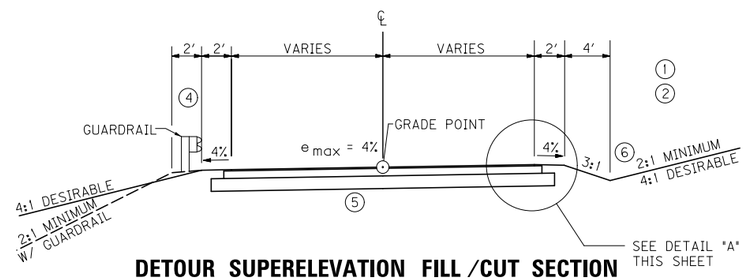
TEMPORARY WIDENING FILL /CUT SECTION



DETOUR NORMAL FILL /CUT SECTION



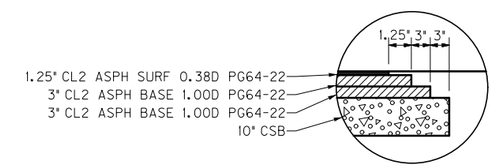
TEMPORARY UNPAVED ENTRANCE SECTION



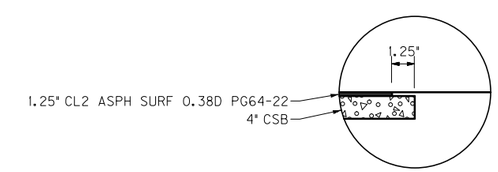
DETOUR SUPERELEVATION FILL /CUT SECTION

NOTES

1. SEE CROSS SECTIONS FOR SLOPES OUTSIDE THE LIMITS OF THE SHOULDERS.
2. SUPERELEVATED SHOULDER TO BE CONSTRUCTED TO SUPERELEVATION RATE. AT NO TIME WILL THE SLOPE BE FLATTER THAN THE SLOPE INDICATED FOR NORMAL SECTION.
3. REFILL MATERIAL TO CONFORM TO APPLICABLE SECTIONS OF THE CURRENT EDITION OF KENTUCKY STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
4. SHOULDERS SHALL BE WIDENED 1' WHERE GUARDRAIL IS TO BE INSTALLED.
5. SUBGRADE MATERIAL SHALL CONFORM TO AND BE PLACED AND COMPACTED IN ACCORDANCE WITH THE APPLICABLE SECTIONS OF THE CURRENT EDITION OF THE KENTUCKY STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. SUBGRADE MATERIAL SHALL BE CAPABLE OF PROVIDING A MINIMUM CBR VALUE OF 6.
6. SEE PLANS FOR CHANNEL LINING REQUIREMENTS



DETAIL "A"
N.T.S.



DETAIL "B"
N.T.S.

PAVEMENT SCHEDULE

DETOUR	
CRUSHED STONE BASE	10" DEPTH
CL2 ASPH BASE 1.00D PG64-22	3" DEPTH
CL2 ASPH BASE 1.00D PG64-22	3" DEPTH
CL2 ASPH SURF 0.38D PG64-22	1 1/4" DEPTH
TEMPORARY WIDENING	
CRUSHED STONE BASE	10" DEPTH
CL2 ASPH BASE 1.00D PG64-22	3" DEPTH
CL2 ASPH BASE 1.00D PG64-22	3" DEPTH
CL2 ASPH SURF 0.38D PG64-22	1 1/4" DEPTH
TEMPORARY UNPAVED ENTRANCE	
TBB	5" DEPTH

0' 5' 10' 20'

SCALE: 1"=5'

TEMPORARY CONSTRUCTION
TYPICAL SECTIONS
KY 146 RELOCATION

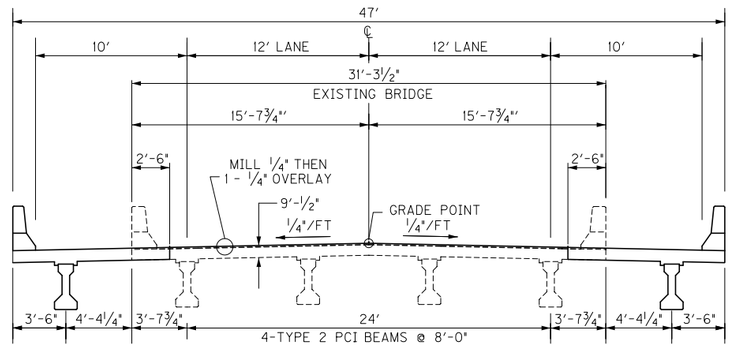
MicroStation v8.11.7.443 E-SHEET NAME: USER: TRobinson DATE PLOTTED: December 8, 2014 FILE NAME: I:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1\SHEETS\TYPICAL SECTIONS\R0020FTS.DGN

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-8300.00	R002G

RIGHT OF WAY PLANS

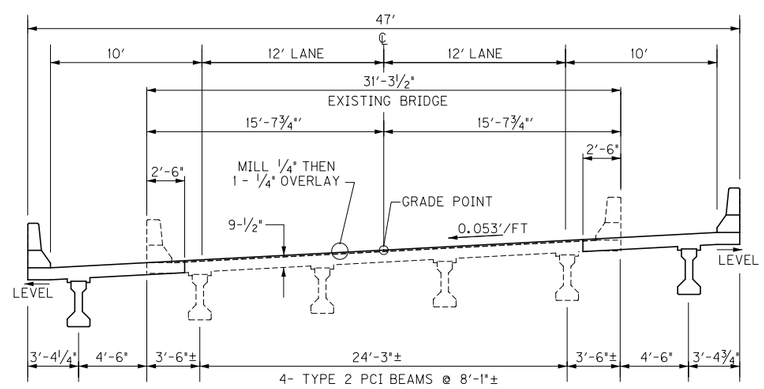
TYPICAL SECTIONS

KY 146 RELOCATION BRIDGES



EXISTING 2-LANE BRIDGE TYPICAL

OVER LITTLE KENTUCKY RIVER AT STA. 135+77.74
AND OVER BARTLETT FORK AT STA. 267+52.11



EXISTING SUPERELEVATED 2-LANE BRIDGE TYPICAL

OVER BARTLETT FORK AT STA. 324+44.09

0' 5' 10' 20'

SCALE: 1"= 5'

BRIDGE TYPICALS
TYPICAL SECTIONS
KY 146 RELOCATION

FILE NAME: I:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1\SHEETS\TYPICAL SECTIONS\R0020GTS.DGN

USER: TRobinson
DATE PLOTTED: December 8, 2014

E-SHEET NAME:

MicroStation v8.11.7.443

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-8300.00	R003

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)
FENCE (EXCEPT STONE AND HEDGE)
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	6" 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		

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.

NOTE:
ALL EXISTING STORM DRAINAGE PIPES AND STRUCTURES WITHIN THE LIMITS OF CONSTRUCTION ARE TO BE REMOVED UNLESS NOTED OTHERWISE. THEIR REMOVAL SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

THE CONTRACTOR IS ADVISED TO EXERCISE CAUTION IN HIS OPERATIONS IN AREAS WHERE PLANS INDICATE THE PRESENCE OF A GAS LINE OR OTHER LINES CARRYING HAZARDOUS MATERIALS.

UTILITY OWNERS

Sanitary Sewer
City of New Castle
P.O. Box 390
New Castle, KY 40050
Mr. Charles T. Benham
Telephone: 502 845-5750

Water
Henry County Water District #2
P.O. Box 219
Campbellsburg, KY 40011
Mr. James T. Simpson
Telephone: 502 532-6279

Electric
LG&E/KU
P.O. Box 32020
Louisville, KY 40232-2020
Mr. Greg Geiser
Telephone: 502 627-3708
Emergency: 1-800-331-7370

Shelby Energy Cooperative
P.O. Box 311
Shelbyville, KY 40065
Mr. Jason Ginn
502 643-2778

Gas Transmission & Service
LG&E/KU
P.O. Box 32020
Louisville, KY 40232-2020
Greg Geiser
Telephone: 502 627-3708
Emergency: 1-800-331-7370

Telephone
AT&T
3719 Bardstown Road - 2nd Floor
Louisville, KY 40218
Mr. Morgan Herndon
502 458-7312

Cable Television
Time Warner
Formerly Insight Communications Company
4701 Commerce Crossings Drive
Louisville, KY 40229
Mr. Deno Barbour
502 357-4376

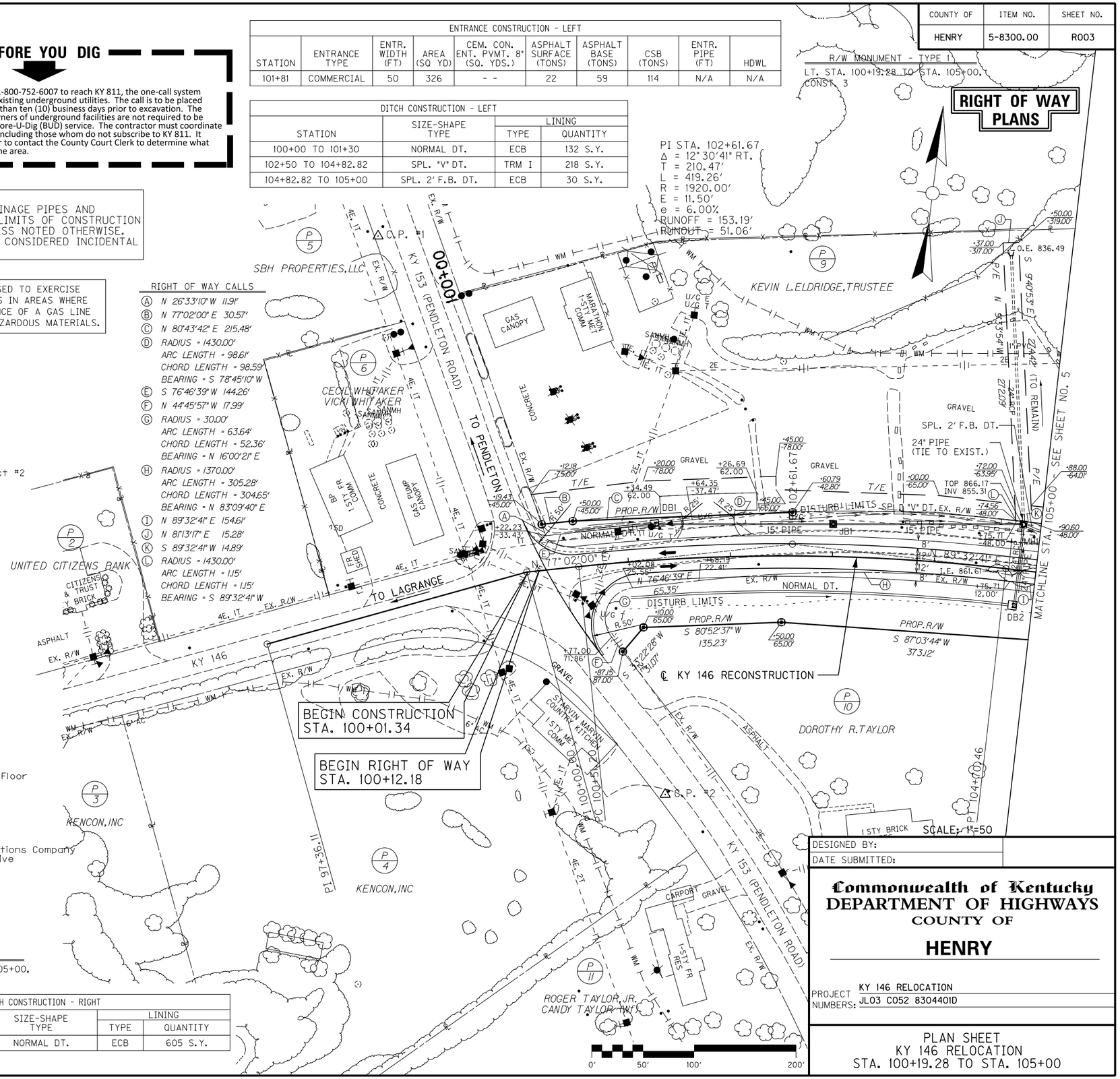
R/W MONUMENT - TYPE 1
RT. STA. 100+19.28 TO STA. 105+00,
CONST. 3

DITCH CONSTRUCTION - RIGHT			
STATION	SIZE-SHAPE TYPE	LINING	
		TYPE	QUANTITY
101+00 TO 104+82.82	NORMAL DT.	ECB	605 S.Y.

ENTRANCE CONSTRUCTION - LEFT										
STATION	ENTRANCE TYPE	ENTR. WIDTH (FT)	AREA (SQ YD)	CEM. CON. ENT. PVMT. 8" (SQ. YDS.)	ASPHALT SURFACE (TONS)	ASPHALT BASE (TONS)	CSB (TONS)	ENTR. PIPE (FT)	HDWL
101+81	COMMERCIAL	50	326	- -	22	59	114	N/A	N/A

DITCH CONSTRUCTION - LEFT			
STATION	SIZE-SHAPE TYPE	LINING	
		TYPE	QUANTITY
100+00 TO 101+30	NORMAL DT.	ECB	132 S.Y.
102+50 TO 104+82.82	SPL. "V" DT.	TRM I	218 S.Y.
104+82.82 TO 105+00	SPL. 2' F.B. DT.	ECB	30 S.Y.

RIGHT OF WAY CALLS
(A) N 26°33'10" W 11.91'
(B) N 77°02'00" E 30.57'
(C) N 80°43'42" E 215.48'
(D) RADIUS = 1430.00'
ARC LENGTH = 98.61'
CHORD LENGTH = 98.59'
BEARING = S 78°45'10" W
(E) S 76°46'39" W 144.26'
(F) N 44°45'57" W 17.99'
(G) RADIUS = 30.00'
ARC LENGTH = 63.64'
CHORD LENGTH = 52.36'
BEARING = N 16°00'21" E
(H) RADIUS = 1370.00'
ARC LENGTH = 305.28'
CHORD LENGTH = 304.65'
BEARING = N 83°09'40" E
(I) N 89°32'41" E 154.61'
(J) N 81°13'17" E 15.28'
(K) S 89°32'41" W 14.89'
(L) RADIUS = 1430.00'
ARC LENGTH = 115'
CHORD LENGTH = 115'
BEARING = S 89°32'41" W



DESIGNED BY:
DATE SUBMITTED:

Commonwealth of Kentucky
DEPARTMENT OF HIGHWAYS
COUNTY OF
HENRY

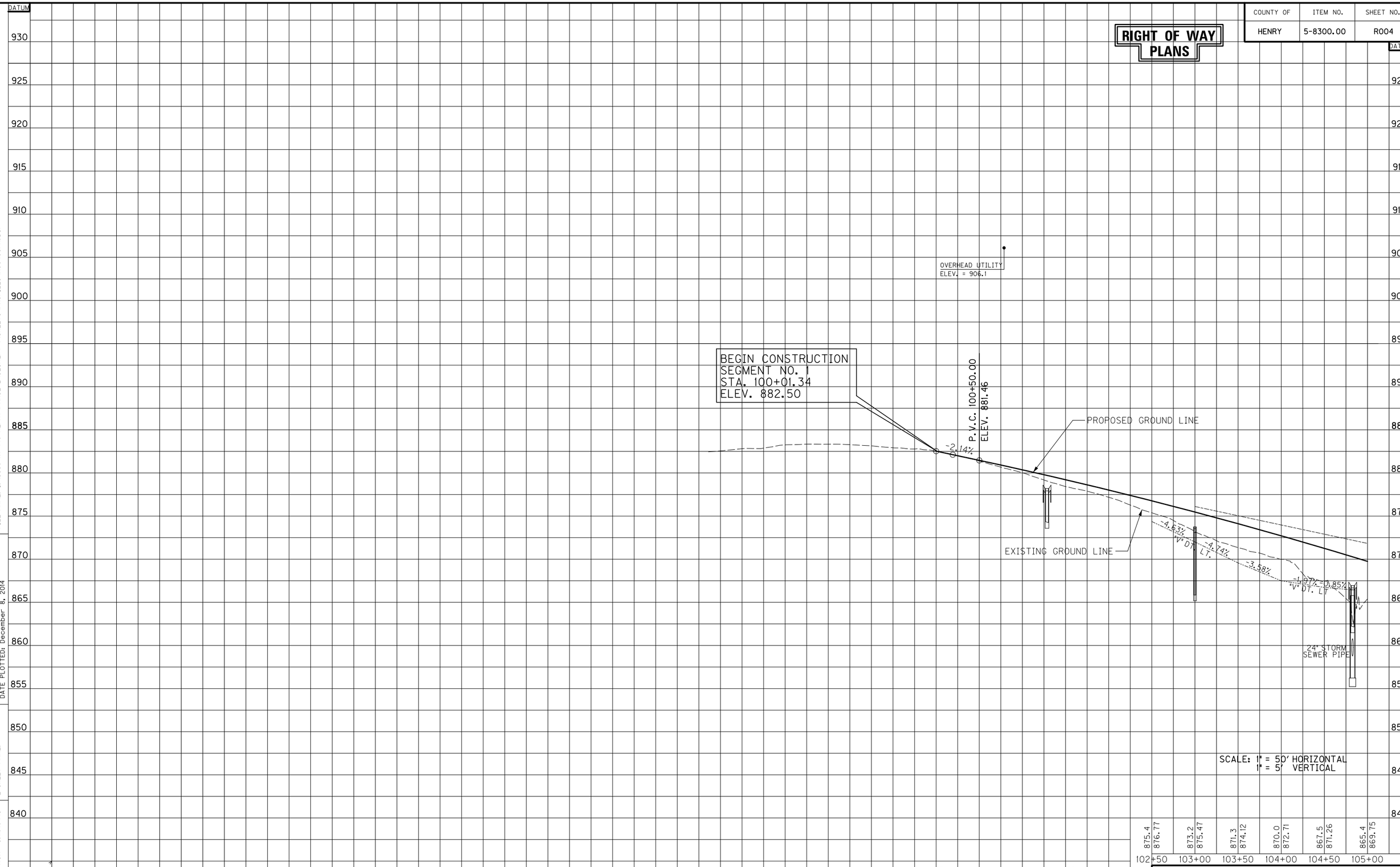
PROJECT NUMBERS: KY 146 RELOCATION
JL03 C052 8304401D

PLAN SHEET
KY 146 RELOCATION
STA. 100+19.28 TO STA. 105+00

FILE NAME: I:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1\SHEETS\PLAN\R0030PL.DGN
USER: Jsluganz
DATE PLOTTED: December 8, 2014
E-SHEET NAME:
MicroStation v8.11.7.443

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-8300.00	R004

RIGHT OF WAY PLANS



PROFILE SHEET
KY 146 RELOCATION
STA. 100+19.28 TO STA. 105+00

FILE NAME: I:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1\SHEETS\PROFILES\R0040PR.DGN
USER: TRobinson
DATE PLOTTED: December 8, 2014
E-SHEET NAME:
MicroStation v8.11.7.443

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-8300.00	R005

RIGHT OF WAY PLANS

DITCH CONSTRUCTION - LEFT			
STATION	SIZE-SHAPE TYPE	LINING TYPE	LINING QUANTITY
105+00 TO 105+50	SPL. 2' F.B. DT.	ECB	81 S.Y.
106+50 TO 107+50	NORMAL DT.	ECB	161 S.Y.
107+50 TO 108+07.27	SPL. 2' F.B. DT.	TRM I	67 S.Y.
108+83 TO 109+68.38	SPL. 2' F.B. DT.	TRM I	101 S.Y.
110+60.38 TO 111+50 •	2' F.B. SURF. DT.	TRM I	117 S.Y.
111+50 TO 113+50	NORMAL DT.	TRM I	227 S.Y.
113+50 TO 114+00	SPL. 2' F.B. DT.	TRM I	59 S.Y.
113+48.92 TO 114+00	SPL. 2' F.B. DT.	ECB	43 S.Y.
114+00 TO 116+00	SPL. 2' F.B. DT.	TRM I	191 S.Y.
CONN. NO.1 LT STA. 8+87.06	4' F.B. OUTLET	CL. III	52 TONS
118+00 TO 118+47.65	SPL. 2' F.B. DT.	TRM I	55 S.Y.
CONN. NO. 1 6+75 RT TO 8+00 RT	SPL. 2' F.B. DT.	TRM I	125 S.Y.
CONN. NO. 1 8+42.85 RT TO 9+00 RT	SPL. 2' F.B. DT.	ECB	144 S.Y.
CONN. NO. 1 9+00 RT TO 9+15 RT •	SPL. 2' F.B. DT.	TRM I	43 S.Y.

• DEPTH TO PROTECT = 1.5'

ENTRANCE CONSTRUCTION - LEFT									
STATION	ENTRANCE TYPE	ENTR. WIDTH (FT)	AREA (SQ YD)	CEM. CONC. ENT. PVMT. 8" (SQ. YDS.)	ASPHALT SURFACE (TONS)	ASPHALT BASE (TONS)	CSB (TONS)	ENTR. PIPE (FT)	HDWL
105+88	COMMERCIAL	50	165	- -	11	30	58	- -	- -
108+40	COMMERCIAL	40	173	- -	12	31	61	75' of 15" PIPE	- -
110+06	COMMERCIAL	44	229	229	- -	- -	55	92' of 15" PIPE	- -

REMOVE PAVEMENT

LT. STA. 112+33.77 TO RT. STA 113+56.81
REMOVE 117 SQ. YD. OF EXISTING PAVEMENT

LT. STA. 113+76.70 TO RT. STA 116+48.30
REMOVE 427 SQ. YD. OF EXISTING PAVEMENT

STEEL "W" BEAM GUARDRAIL

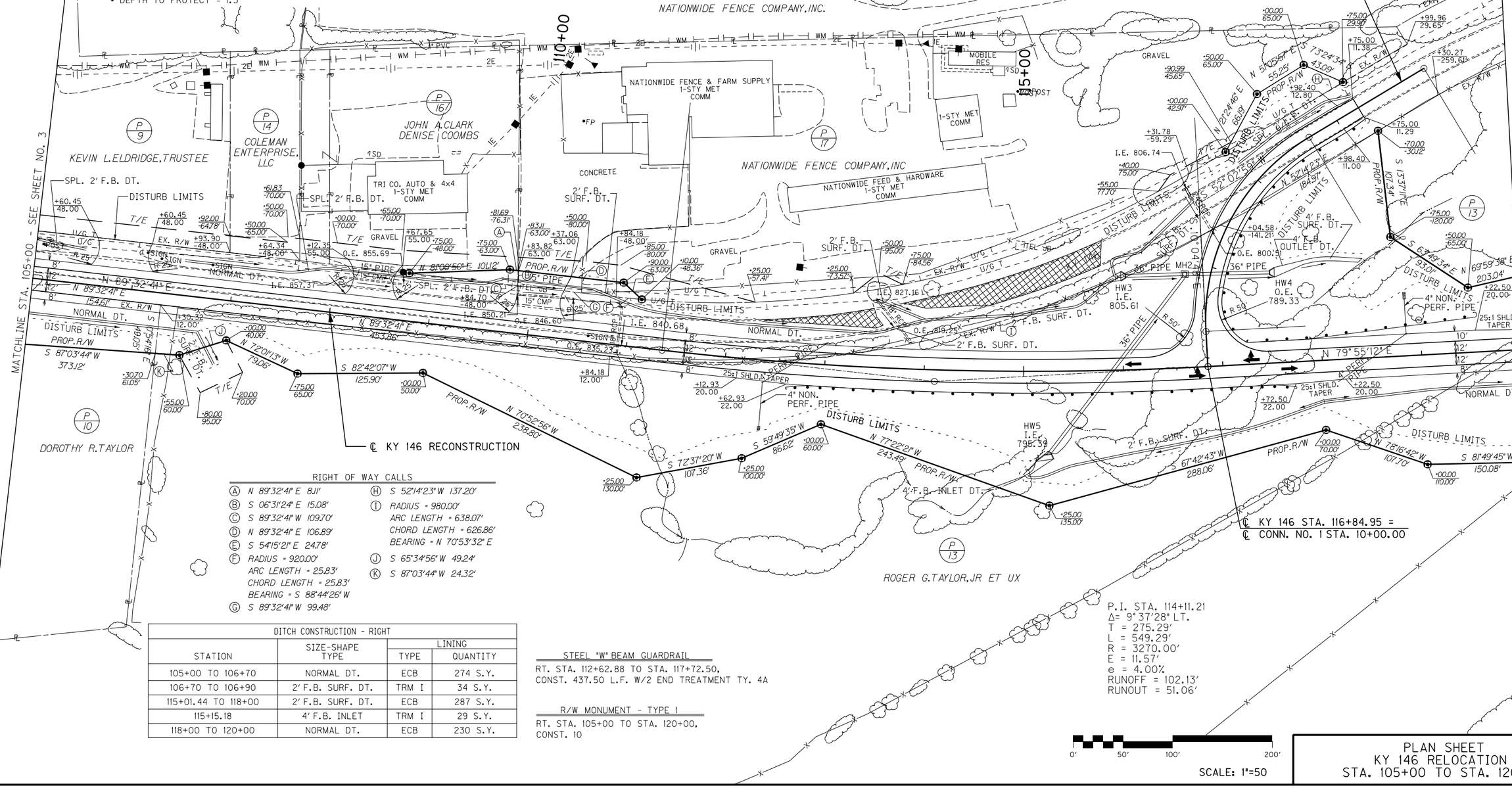
LT. STA. 117+25.72 TO STA. 119+55.18,
CONST. 229.72 L.F. W/1 END TREATMENT TY. 3

CONN. NO. 1 - LT. STA. 6+74.83
TO STA. 9+77.99, CONST. 295.28 L.F.
W/1 TERMINAL SECTION NO. 1

R/W MONUMENT - TYPE 1

LT. STA. 105+00 TO STA. 120+00,
CONST. 11

CONN. NO. 1
P.I. STA. 8+61.56
Delta = 62°07'46" LT.
T = 128.91'
L = 232.05'
R = 214.00'
E = 35.83'
e = 8.00%



RIGHT OF WAY CALLS

- Ⓐ N 89°32'41" E 8.11'
- Ⓑ S 06°31'24" E 15.08'
- Ⓒ S 89°32'41" W 109.70'
- Ⓓ N 89°32'41" E 106.89'
- Ⓔ S 54°15'21" E 24.78'
- Ⓕ RADIUS = 920.00'
  ARC LENGTH = 25.83'
  CHORD LENGTH = 25.83'
  BEARING = S 88°44'26" W
- Ⓖ S 89°32'41" W 99.48'
- Ⓗ S 52°14'23" W 137.20'
- Ⓘ RADIUS = 980.00'
  ARC LENGTH = 638.07'
  CHORD LENGTH = 626.86'
  BEARING = N 70°53'32" E
- Ⓙ S 65°34'56" W 49.24'
- Ⓚ S 87°03'44" W 24.32'

DITCH CONSTRUCTION - RIGHT			
STATION	SIZE-SHAPE TYPE	LINING TYPE	LINING QUANTITY
105+00 TO 106+70	NORMAL DT.	ECB	274 S.Y.
106+70 TO 106+90	2' F.B. SURF. DT.	TRM I	34 S.Y.
115+01.44 TO 118+00	2' F.B. SURF. DT.	ECB	287 S.Y.
115+15.18	4' F.B. INLET	TRM I	29 S.Y.
118+00 TO 120+00	NORMAL DT.	ECB	230 S.Y.

STEEL "W" BEAM GUARDRAIL

RT. STA. 112+62.88 TO STA. 117+72.50,
CONST. 437.50 L.F. W/2 END TREATMENT TY. 4A

R/W MONUMENT - TYPE 1

RT. STA. 105+00 TO STA. 120+00,
CONST. 10

P.I. STA. 114+11.21
Δ= 9°37'28" LT.
T = 275.29'
L = 549.29'
R = 3270.00'
E = 11.57'
e = 4.00%
RUNOFF = 102.13'
RUNOUT = 51.06'

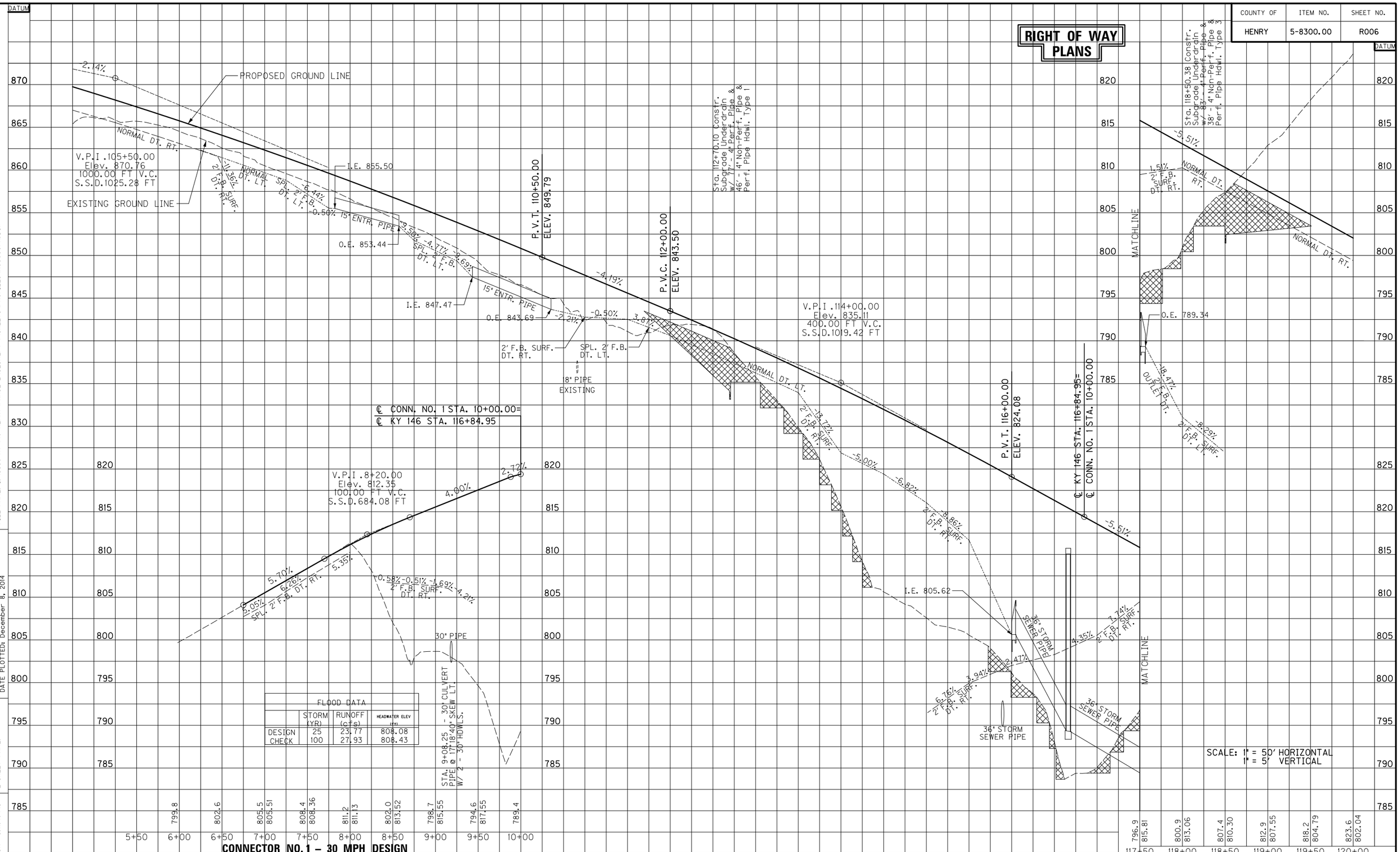
0' 50' 100' 200'
SCALE: 1"=50

PLAN SHEET
KY 146 RELOCATION
STA. 105+00 TO STA. 120+00

FILE NAME: I:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1\SENT\2014-12-12 ROW SET\PLAN\R005OPL.DGN
USER: TRobinson
DATE PLOTTED: December 8, 2014
E-SHEET NAME:
MicroStation v8.11.7.443

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-8300.00	R006

RIGHT OF WAY PLANS

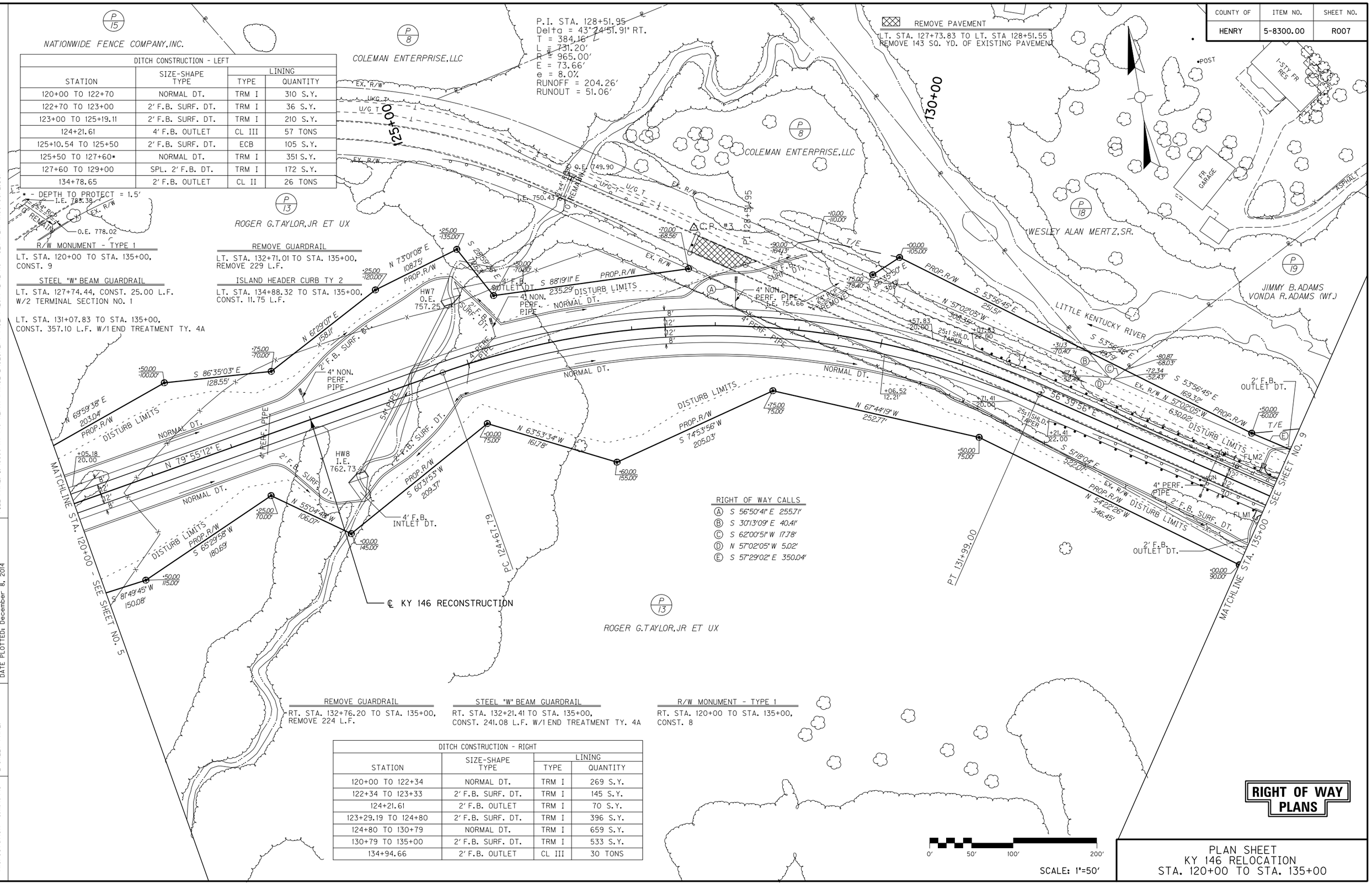


FLOOD DATA			
	STORM (YR)	RUNOFF (cfs)	HEADWATER ELEV (ft)
DESIGN	25	23.77	808.08
CHECK	100	27.93	808.43

PROFILE SHEET
KY 146 RELOCATION
STA. 105+00 TO STA. 120+00

FILE NAME: I:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1\SHEETS\PROFILES\R006OPR.DGN
USER: TRobinson
DATE PLOTTED: December 8, 2014
E-SHEET NAME:
MicroStation v8.11.7.443

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-8300.00	R007



DITCH CONSTRUCTION - LEFT			
STATION	SIZE-SHAPE TYPE	LINING TYPE	LINING QUANTITY
120+00 TO 122+70	NORMAL DT.	TRM I	310 S.Y.
122+70 TO 123+00	2' F.B. SURF. DT.	TRM I	36 S.Y.
123+00 TO 125+19.11	2' F.B. SURF. DT.	TRM I	210 S.Y.
124+21.61	4' F.B. OUTLET	CL III	57 TONS
125+10.54 TO 125+50	2' F.B. SURF. DT.	ECB	105 S.Y.
125+50 TO 127+60*	NORMAL DT.	TRM I	351 S.Y.
127+60 TO 129+00	SPL. 2' F.B. DT.	TRM I	172 S.Y.
134+78.65	2' F.B. OUTLET	CL II	26 TONS

* - DEPTH TO PROTECT = 1.5'

R/W MONUMENT - TYPE 1
LT. STA. 120+00 TO STA. 135+00,
CONST. 9

STEEL "W" BEAM GUARDRAIL
LT. STA. 127+74.44, CONST. 25.00 L.F.
W/2 TERMINAL SECTION NO. 1

LT. STA. 131+07.83 TO STA. 135+00,
CONST. 357.10 L.F. W/1 END TREATMENT TY. 4A

REMOVE GUARDRAIL
LT. STA. 132+71.01 TO STA. 135+00,
REMOVE 229 L.F.

ISLAND HEADER CURB TY 2
LT. STA. 134+88.32 TO STA. 135+00,
CONST. 11.75 L.F.

REMOVE GUARDRAIL
RT. STA. 132+76.20 TO STA. 135+00,
REMOVE 224 L.F.

STEEL "W" BEAM GUARDRAIL
RT. STA. 132+21.41 TO STA. 135+00,
CONST. 241.08 L.F. W/1 END TREATMENT TY. 4A

R/W MONUMENT - TYPE 1
RT. STA. 120+00 TO STA. 135+00,
CONST. 8

DITCH CONSTRUCTION - RIGHT			
STATION	SIZE-SHAPE TYPE	LINING TYPE	LINING QUANTITY
120+00 TO 122+34	NORMAL DT.	TRM I	269 S.Y.
122+34 TO 123+33	2' F.B. SURF. DT.	TRM I	145 S.Y.
124+21.61	2' F.B. OUTLET	TRM I	70 S.Y.
123+29.19 TO 124+80	2' F.B. SURF. DT.	TRM I	396 S.Y.
124+80 TO 130+79	NORMAL DT.	TRM I	659 S.Y.
130+79 TO 135+00	2' F.B. SURF. DT.	TRM I	533 S.Y.
134+94.66	2' F.B. OUTLET	CL III	30 TONS

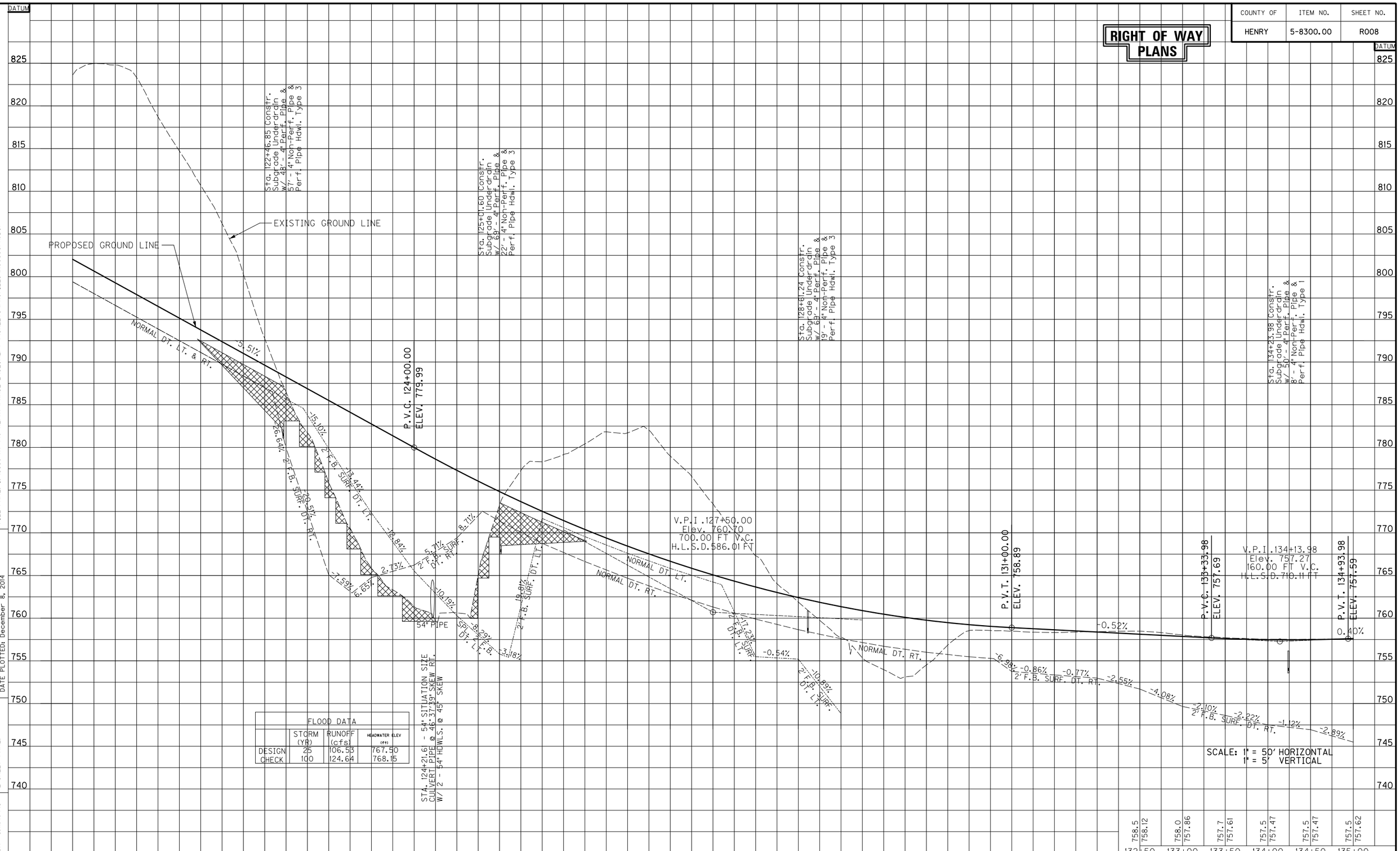
RIGHT OF WAY PLANS

PLAN SHEET
KY 146 RELOCATION
STA. 120+00 TO STA. 135+00

FILE NAME: I:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1\SENT\2014-12-12 ROW SET\PLAN\R007OPL.DGN
USER: TRobinson
DATE PLOTTED: December 8, 2014
E-SHEET NAME:
MicroStation v8.11.7.443

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-8300.00	R008

RIGHT OF WAY PLANS



FLOOD DATA			
	STORM (YR)	RUNOFF (cfs)	HEADWATER ELEV (ft)
DESIGN	25	106.53	767.50
CHECK	100	124.64	768.15

PROFILE SHEET
KY 146 RELOCATION
STA. 120+00 TO STA. 135+00

FILE NAME: I:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1\SHEETS\PROFILES\R008OPR.DGN
USER: TRobinson
DATE PLOTTED: December 8, 2014
E-SHEET NAME:
MicroStation v8.11.7.443

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-8300.00	R009

RIGHT OF WAY PLANS

RIGHT OF WAY CALLS

Ⓐ S 51°18'04" E 522.07'
Ⓑ RADIUS = 810.00'
ARC LENGTH = 327.15'
CHORD LENGTH = 324.93'
BEARING = S 77°03'06" E
Ⓒ S 4°45'16" E 128.31'
Ⓓ S 88°37'21" E 350.01'
Ⓔ S 73°31'55" W 106.74'
Ⓕ N 73°34'34" W 66.53'
Ⓖ N 73°34'34" W 9.67'
Ⓗ RADIUS = 730.00'
ARC LENGTH = 162.04'
CHORD LENGTH = 161.71'
BEARING = N 70°17'11" W
Ⓘ S 19°49'32" E 47.94'
Ⓙ S 19°49'32" E 78.93'
Ⓚ N 88°37'21" W 45.88'
Ⓛ RADIUS = 730.00'
ARC LENGTH = 4.64'
CHORD LENGTH = 4.64'
BEARING = N 88°26'25" W
Ⓜ S 1°38'10" E 103.25'
Ⓝ N 19°49'32" W 158.14'
Ⓞ S 35°38'49" W 86.04'
Ⓟ N 88°37'21" W 68.25'

DITCH CONSTRUCTION - LEFT			
STATION	SIZE-SHAPE TYPE	LINING TYPE	LINING QUANTITY
135+00 TO 135+36.12	2' F.B. SURF. DT.	CL. II	25 TONS
138+50 TO 140+50	2' F.B. SURF. DT.	TRM I	304 S.Y.
140+50 TO 142+50*	SPL. 2' F.B. DT.	TRM I	441 S.Y.
ROSEHILL LANE 9+45.85 LT.	2' F.B. INLET	CL. III	20 TONS
ROSEHILL LANE 9+45.85 RT.*	2' F.B. OUTLET	CL. II	13 TONS
143+50 TO 144+00	SPL. 2' F.B. DT.	TRM I	62 S.Y.
144+00 TO 146+50	NORMAL DT.	TRM I	303 S.Y.
146+50 TO 149+39.60	NORMAL DT.	TRM I	264 S.Y.
149+33.91	2' F.B. INLET	TRM I	24 S.Y.
149+73.48 ENTR. RT.*	SPL. 2' F.B. DT.	TRM I	29 S.Y.
149+73.48 ENTR.	2' F.B. OUTLET	TRM II	10 S.Y.
149+73.48 ENTR.	2' F.B. INLET	TRM I	6 S.Y.
ROSEHILL LANE			
7+50 LT TO 8+30.24 LT	SPL. 2' F.B. DT.	TRM I	91 S.Y.
8+64.77 LT TO 9+49.89 LT	SPL. 2' F.B. DT.	ECB	139 S.Y.
9+08.89 LT TO 9+49.89 LT	SPL. 2' F.B. DT.	TRM I	39 S.Y.
7+50 RT TO 9+00 RT	NORMAL DT.	ECB	209 S.Y.
9+00 RT TO 9+51.47 RT	SPL. 2' F.B. DT.	ECB	68 S.Y.
8+45.43 ENTR. LT.	SPL. 2' F.B. DT.	TRM I	47 S.Y.
8+45.43 ENTR. LT.	SPL. 2' F.B. DT.	TRM I	65 S.Y.

* - DEPTH TO PROTECT = 1.5'

ISLAND HEADER CURB TY 2

LT. STA. 135+00 TO STA. 135+05.40, CONST. 5.50 L.F.

LT. STA. 136+33.88 TO STA. 136+59.07, CONST. 25.00 L.F.

STEEL "W" BEAM GUARDRAIL

LT. STA. 135+00 TO STA. 135+05.40, CONST. 5.40 L.F. W/1 GUARDRAIL BRIDGE CONNECTOR TYPE A

LT. STA. 136+34.07 TO STA. 139+23.19, CONST. 250.00 L.F. W/1 GUARDRAIL BRIDGE CONNECTOR TYPE A AND 1 END TREATMENT TYPE 4A

REMOVE PAVEMENT

RT. STA. 143+63.28 TO RT. STA 148+52.22 REMOVE 1,050 SQ. YD. OF EXISTING PAVEMENT

R/W MONUMENT - TYPE 1

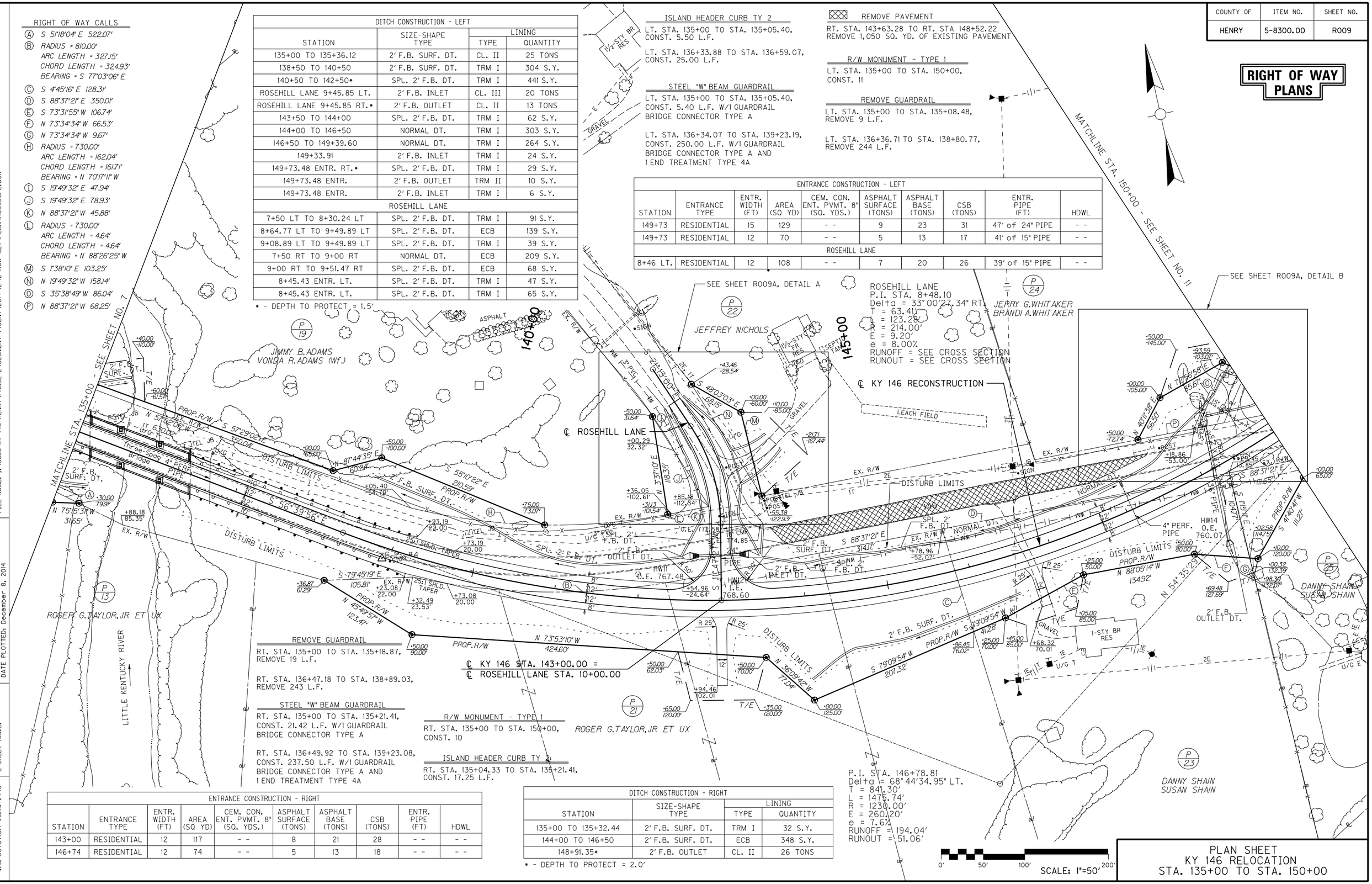
LT. STA. 135+00 TO STA. 150+00, CONST. 11

REMOVE GUARDRAIL

LT. STA. 135+00 TO STA. 135+08.48, REMOVE 9 L.F.

LT. STA. 136+36.71 TO STA. 138+80.77, REMOVE 244 L.F.

ENTRANCE CONSTRUCTION - LEFT									
STATION	ENTRANCE TYPE	ENTR. WIDTH (FT)	AREA (SQ YD)	CEM. CON. ENT. PVMT. 8" (SQ. YDS.)	ASPHALT SURFACE (TONS)	ASPHALT BASE (TONS)	CSB (TONS)	ENTR. PIPE (FT)	HDWL
149+73	RESIDENTIAL	15	129	- -	9	23	31	47' of 24" PIPE	- -
149+73	RESIDENTIAL	12	70	- -	5	13	17	41' of 15" PIPE	- -
ROSEHILL LANE									
8+46 LT.	RESIDENTIAL	12	108	- -	7	20	26	39' of 15" PIPE	- -



REMOVE GUARDRAIL

RT. STA. 135+00 TO STA. 135+18.87, REMOVE 19 L.F.

RT. STA. 136+47.18 TO STA. 138+89.03, REMOVE 243 L.F.

STEEL "W" BEAM GUARDRAIL

RT. STA. 135+00 TO STA. 135+21.41, CONST. 21.42 L.F. W/1 GUARDRAIL BRIDGE CONNECTOR TYPE A

RT. STA. 136+49.92 TO STA. 139+23.08, CONST. 237.50 L.F. W/1 GUARDRAIL BRIDGE CONNECTOR TYPE A AND 1 END TREATMENT TYPE 4A

R/W MONUMENT - TYPE 1

RT. STA. 135+00 TO STA. 150+00, CONST. 10

ISLAND HEADER CURB TY 2

RT. STA. 135+04.33 TO STA. 135+21.41, CONST. 17.25 L.F.

ENTRANCE CONSTRUCTION - RIGHT									
STATION	ENTRANCE TYPE	ENTR. WIDTH (FT)	AREA (SQ YD)	CEM. CON. ENT. PVMT. 8" (SQ. YDS.)	ASPHALT SURFACE (TONS)	ASPHALT BASE (TONS)	CSB (TONS)	ENTR. PIPE (FT)	HDWL
143+00	RESIDENTIAL	12	117	- -	8	21	28	- -	- -
146+74	RESIDENTIAL	12	74	- -	5	13	18	- -	- -

DITCH CONSTRUCTION - RIGHT			
STATION	SIZE-SHAPE TYPE	LINING TYPE	LINING QUANTITY
135+00 TO 135+32.44	2' F.B. SURF. DT.	TRM I	32 S.Y.
144+00 TO 146+50	2' F.B. SURF. DT.	ECB	348 S.Y.
148+91.35*	2' F.B. OUTLET	CL. II	26 TONS

* - DEPTH TO PROTECT = 2.0'

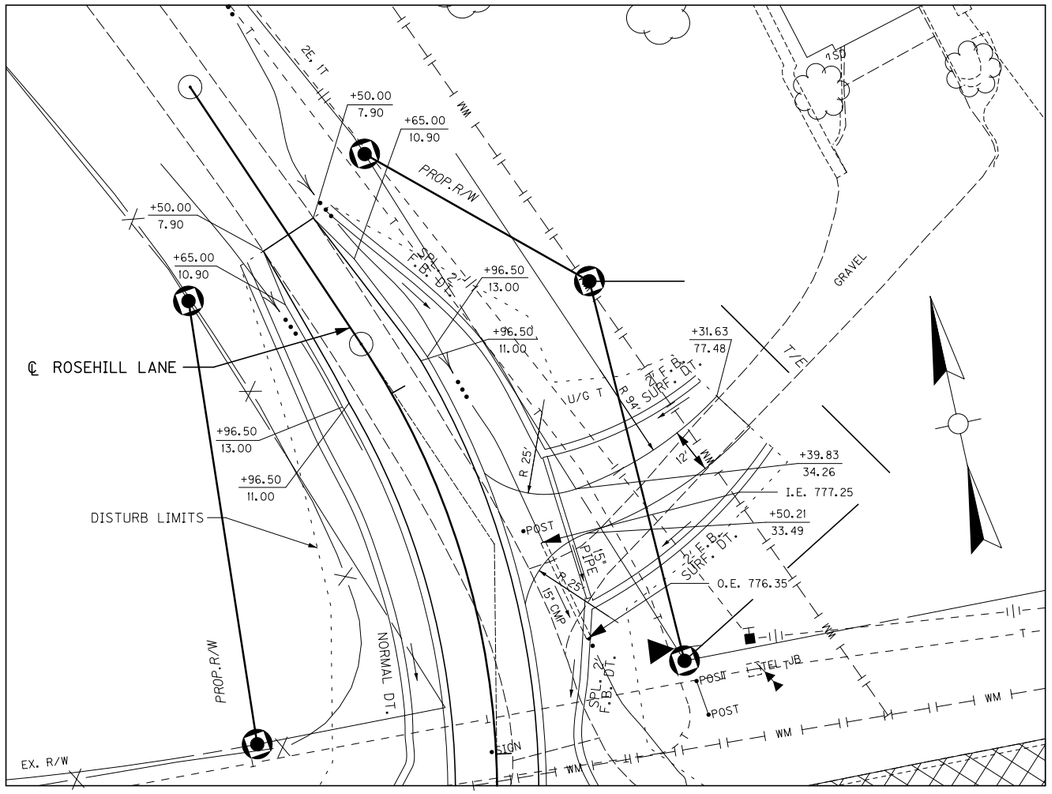
PLAN SHEET
KY 146 RELOCATION
STA. 135+00 TO STA. 150+00

FILE NAME: I:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1\SENT\2014-12-12 ROW SET\PLAN\R009OOPL.DGN
USER: TRobinson
DATE PLOTTED: December 8, 2014
E-SHEET NAME:
MicroStation v8.11.7.443

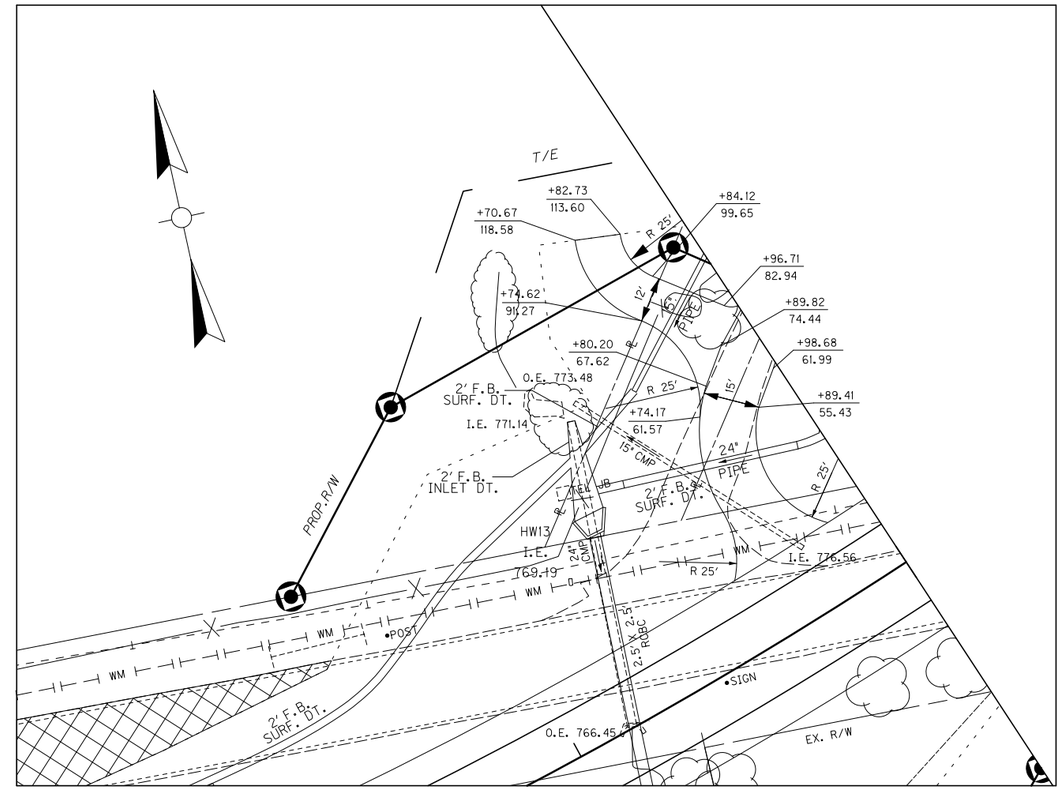
COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-8300.00	R009A

RIGHT OF WAY PLANS

DETAIL A



DETAIL B



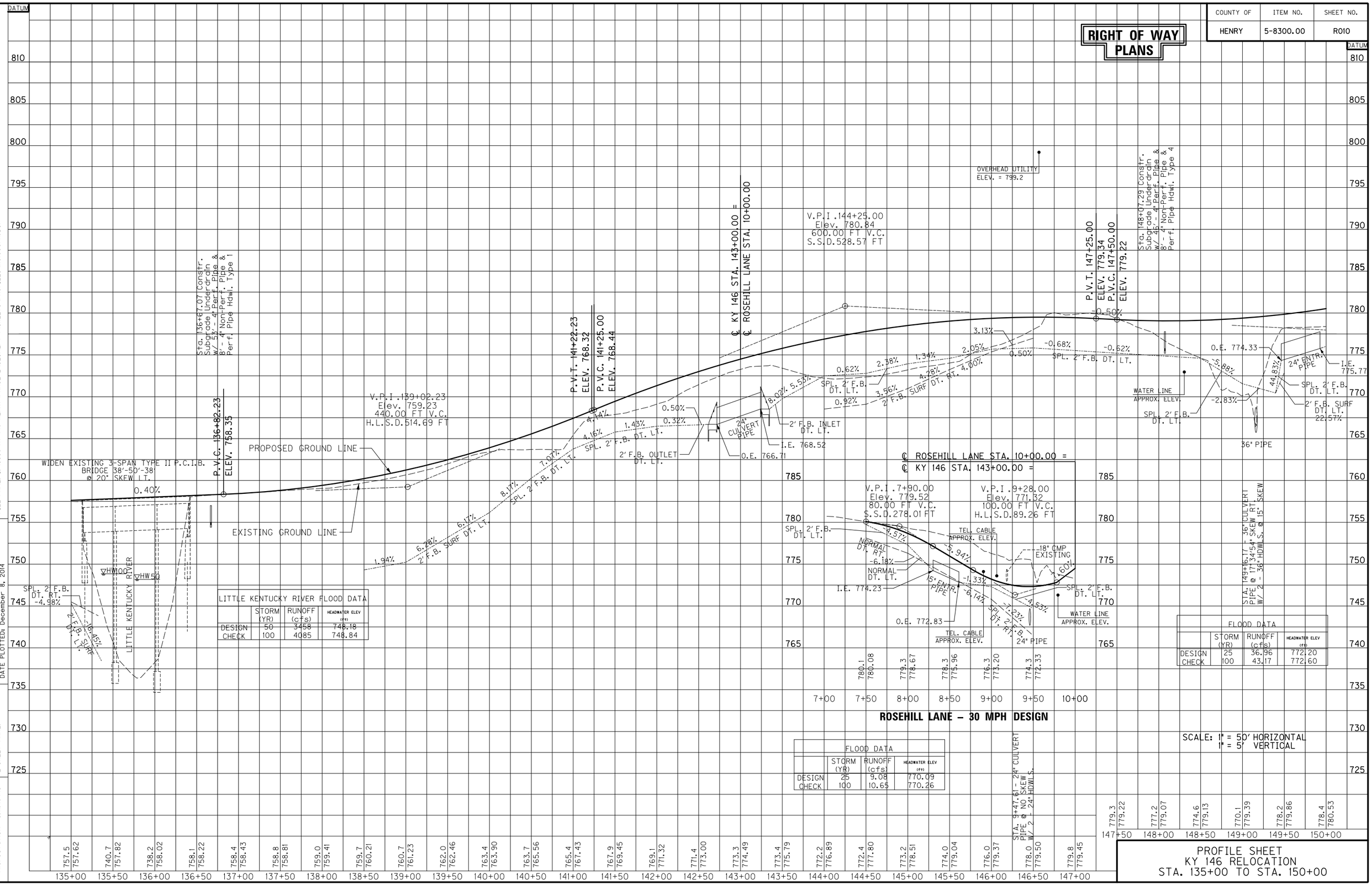
SCALE: 1"=20'

PLAN SHEET
KY 146 RELOCATION
STA. 135+00 TO STA. 150+00

MicroStation v8.11.7.443 | E-SHEET NAME: | USER: TRobinson DATE PLOTTED: December 8, 2014 | FILE NAME: I:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1\SENT\2014-12-12 ROW SET\PLAN\R009APL.DGN

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-8300.00	R010

RIGHT OF WAY PLANS



LITTLE KENTUCKY RIVER FLOOD DATA			
	STORM (YR)	RUNOFF (cfs)	HEADWATER ELEV (ft)
DESIGN	50	3458	748.18
CHECK	100	4085	748.84

FLOOD DATA			
	STORM (YR)	RUNOFF (cfs)	HEADWATER ELEV (ft)
DESIGN	25	9.08	770.09
CHECK	100	10.65	770.26

FLOOD DATA			
	STORM (YR)	RUNOFF (cfs)	HEADWATER ELEV (ft)
DESIGN	25	36.96	772.20
CHECK	100	43.17	772.60

SCALE: 1" = 50' HORIZONTAL
1" = 5' VERTICAL

PROFILE SHEET
KY 146 RELOCATION
STA. 135+00 TO STA. 150+00

RIGHT OF WAY PLANS

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-8300.00	R011

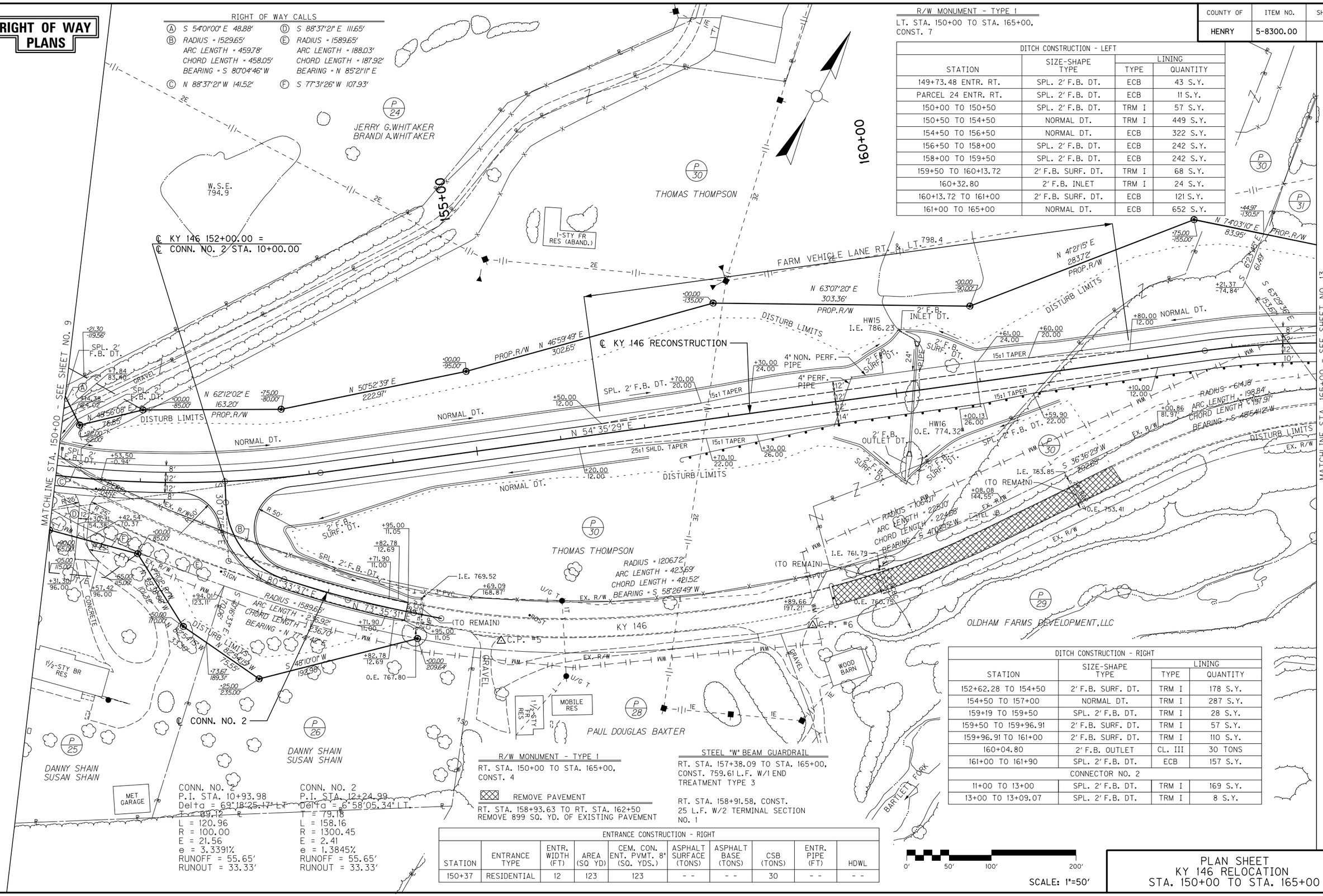
RIGHT OF WAY CALLS

Ⓐ S 54°01'00" E 48.88'
Ⓑ RADIUS = 1529.65'
ARC LENGTH = 459.78'
CHORD LENGTH = 458.05'
BEARING = S 80°04'46" W
Ⓒ N 88°37'21" W 141.52'
Ⓓ S 88°37'21" E 111.65'
Ⓔ RADIUS = 1589.65'
ARC LENGTH = 188.03'
CHORD LENGTH = 187.92'
BEARING = N 85°21'11" E
Ⓕ S 77°31'26" W 107.93'

R/W MONUMENT - TYPE 1

LT. STA. 150+00 TO STA. 165+00,
CONST. 7

DITCH CONSTRUCTION - LEFT			
STATION	SIZE-SHAPE TYPE	LINING TYPE	LINING QUANTITY
149+73.48 ENTR. RT.	SPL. 2' F.B. DT.	ECB	43 S.Y.
PARCEL 24 ENTR. RT.	SPL. 2' F.B. DT.	ECB	11 S.Y.
150+00 TO 150+50	SPL. 2' F.B. DT.	TRM I	57 S.Y.
150+50 TO 154+50	NORMAL DT.	TRM I	449 S.Y.
154+50 TO 156+50	NORMAL DT.	ECB	322 S.Y.
156+50 TO 158+00	SPL. 2' F.B. DT.	ECB	242 S.Y.
158+00 TO 159+50	SPL. 2' F.B. DT.	ECB	242 S.Y.
159+50 TO 160+13.72	2' F.B. SURF. DT.	TRM I	68 S.Y.
160+32.80	2' F.B. INLET	TRM I	24 S.Y.
160+13.72 TO 161+00	2' F.B. SURF. DT.	ECB	121 S.Y.
161+00 TO 165+00	NORMAL DT.	ECB	652 S.Y.



R/W MONUMENT - TYPE 1

RT. STA. 150+00 TO STA. 165+00,
CONST. 4

REMOVE PAVEMENT

RT. STA. 158+93.63 TO RT. STA. 162+50
REMOVE 899 SQ. YD. OF EXISTING PAVEMENT

STEEL "W" BEAM GUARDRAIL

RT. STA. 157+38.09 TO STA. 165+00,
CONST. 759.61 L.F. W/1 END
TREATMENT TYPE 3

RT. STA. 158+91.58, CONST.
25 L.F. W/2 TERMINAL SECTION
NO. 1

CONN. NO. 2
P.I. STA. 10+93.98
Delta = 69°18'25.17" LT
T = 89.12
L = 120.96
R = 100.00
E = 21.56
e = 3.3391%
RUNOFF = 55.65'
RUNOUT = 33.33'

CONN. NO. 2
P.I. STA. 12+24.99
Delta = 6°58'05.34" LT
T = 79.18
L = 158.16
R = 1300.45
E = 2.41
e = 1.3845%
RUNOFF = 55.65'
RUNOUT = 33.33'

ENTRANCE CONSTRUCTION - RIGHT									
STATION	ENTRANCE TYPE	ENTR. WIDTH (FT)	AREA (SQ YD)	CEM. CON. ENT. PVMT. 8" (SQ. YDS.)	ASPHALT SURFACE (TONS)	ASPHALT BASE (TONS)	CSB (TONS)	ENTR. PIPE (FT)	HDWL
150+37	RESIDENTIAL	12	123	123	- -	- -	30	- -	- -

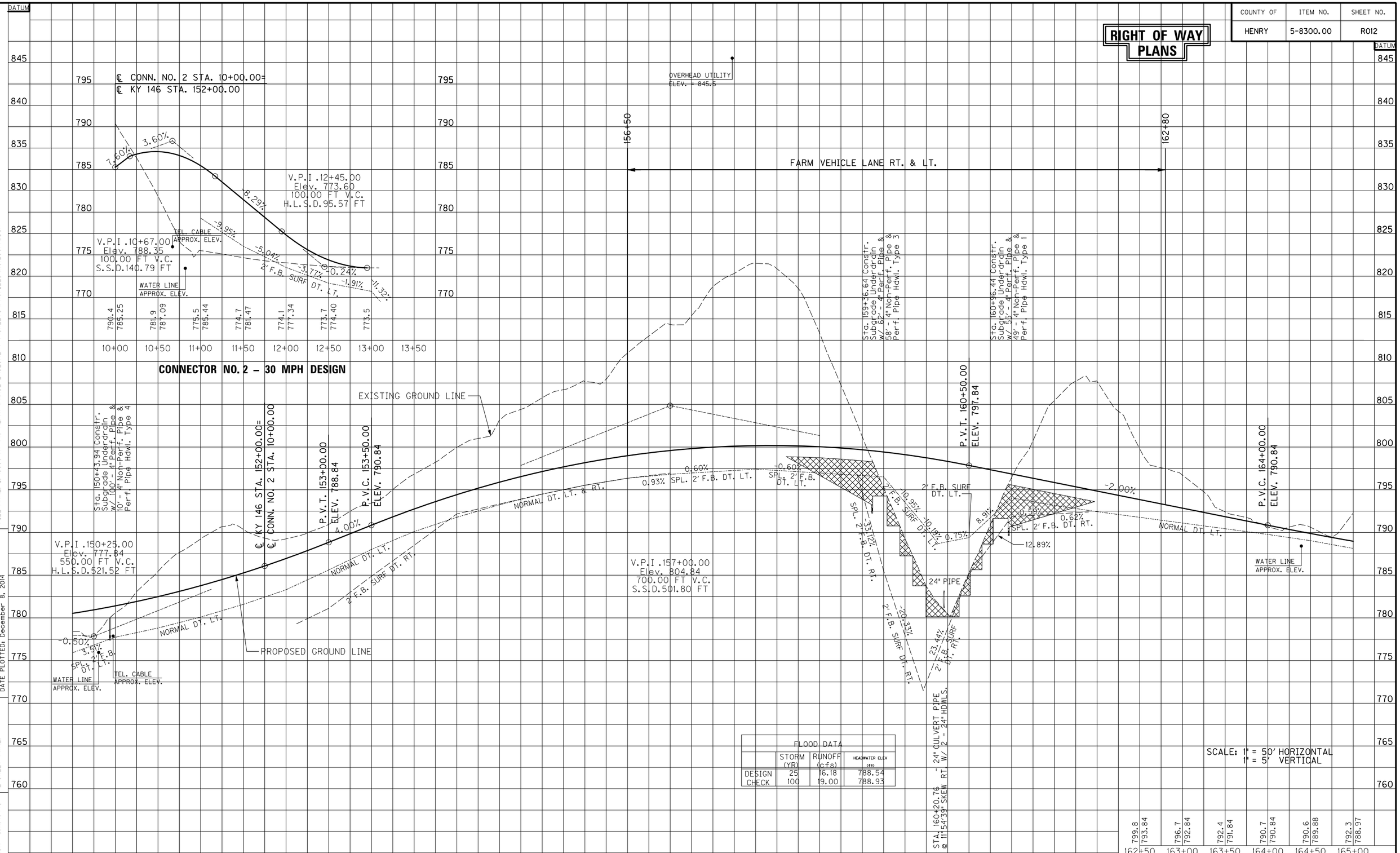
DITCH CONSTRUCTION - RIGHT			
STATION	SIZE-SHAPE TYPE	LINING TYPE	LINING QUANTITY
152+62.28 TO 154+50	2' F.B. SURF. DT.	TRM I	178 S.Y.
154+50 TO 157+00	NORMAL DT.	TRM I	287 S.Y.
159+19 TO 159+50	SPL. 2' F.B. DT.	TRM I	28 S.Y.
159+50 TO 159+96.91	2' F.B. SURF. DT.	TRM I	57 S.Y.
159+96.91 TO 161+00	2' F.B. SURF. DT.	TRM I	110 S.Y.
160+04.80	2' F.B. OUTLET	CL. III	30 TONS
161+00 TO 161+90	SPL. 2' F.B. DT.	ECB	157 S.Y.
CONNECTOR NO. 2			
11+00 TO 13+00	SPL. 2' F.B. DT.	TRM I	169 S.Y.
13+00 TO 13+09.07	SPL. 2' F.B. DT.	TRM I	8 S.Y.

PLAN SHEET
KY 146 RELOCATION
STA. 150+00 TO STA. 165+00

FILE NAME: I:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1\SENT\2014-12-12 ROW SET\PLAN\R011OOPL.DGN
USER: TRobinson
DATE PLOTTED: December 8, 2014
E-SHEET NAME:
MicroStation v8.11.7.443

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-8300.00	R012

RIGHT OF WAY PLANS



PROFILE SHEET
KY 146 RELOCATION
STA. 150+00 TO STA. 165+00

FILE NAME: I:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1\SHEETS\PROFILES\R012OPR.DGN
USER: TRobinson
DATE PLOTTED: December 8, 2014
E-SHEET NAME:
MicroStation v8.11.7.443

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-8300.00	R013

RIGHT OF WAY PLANS

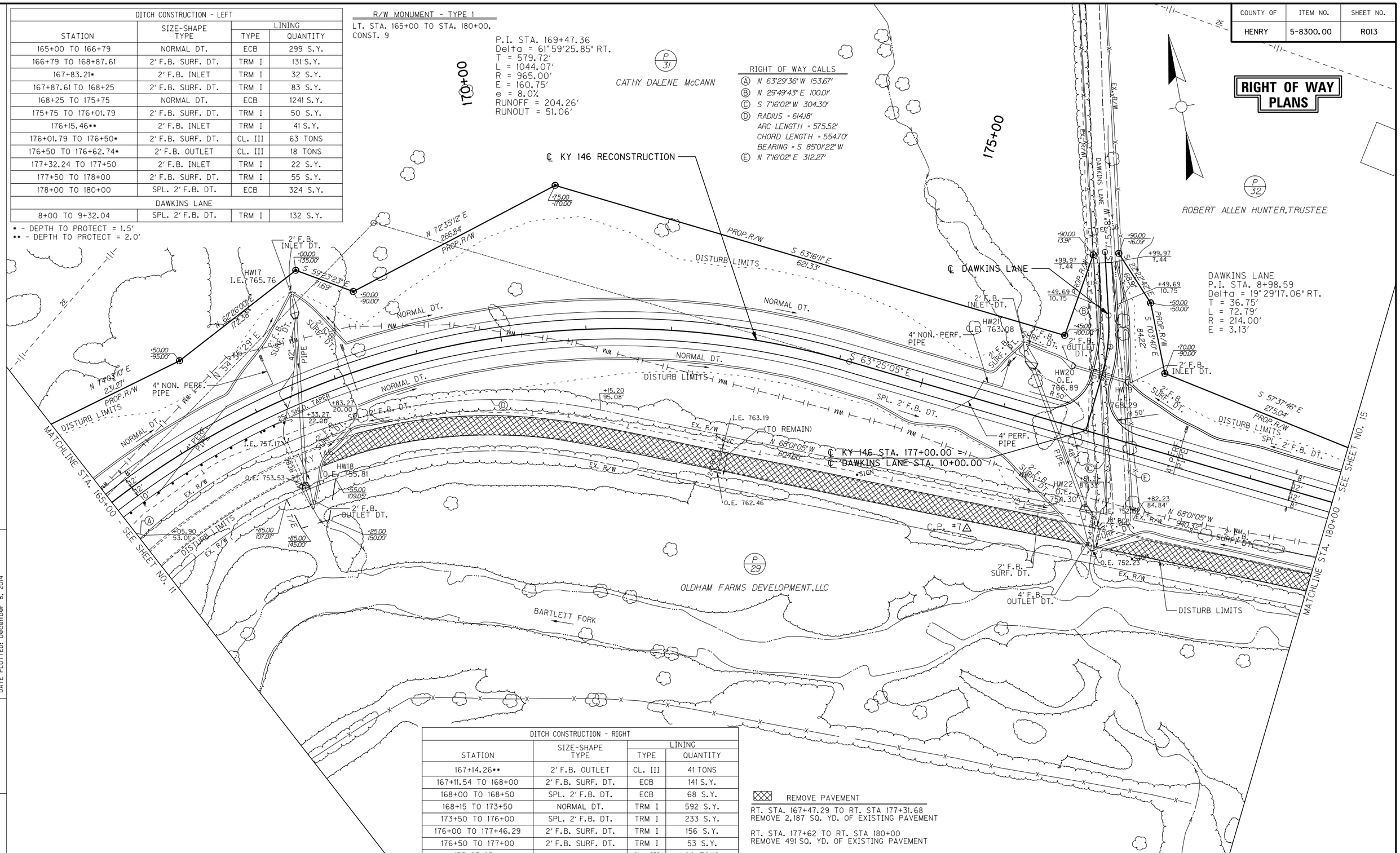
DITCH CONSTRUCTION - LEFT			
STATION	SIZE-SHAPE TYPE	LINING TYPE	LINING QUANTITY
165+00 TO 166+79	NORMAL DT.	ECB	299 S.Y.
166+79 TO 168+87.61	2' F.B. SURF. DT.	TRM I	131 S.Y.
167+83.21*	2' F.B. INLET	TRM I	32 S.Y.
167+87.61 TO 168+25	2' F.B. SURF. DT.	TRM I	83 S.Y.
168+25 TO 175+75	NORMAL DT.	ECB	1241 S.Y.
175+75 TO 176+01.79	2' F.B. SURF. DT.	TRM I	50 S.Y.
176+15.46**	2' F.B. INLET	TRM I	41 S.Y.
176+01.79 TO 176+50*	2' F.B. SURF. DT.	CL. III	63 TONS
176+50 TO 176+62.74*	2' F.B. OUTLET	CL. III	18 TONS
177+32.24 TO 177+50	2' F.B. INLET	TRM I	22 S.Y.
177+50 TO 178+00	2' F.B. SURF. DT.	TRM I	55 S.Y.
178+00 TO 180+00	SPL. 2' F.B. DT.	ECB	324 S.Y.
DAWKINS LANE			
8+00 TO 9+32.04	SPL. 2' F.B. DT.	TRM I	132 S.Y.

* - DEPTH TO PROTECT = 1.5'
** - DEPTH TO PROTECT = 2.0'

R/W MONUMENT - TYPE 1
LT. STA. 165+00 TO STA. 180+00, CONST. 9

P.I. STA. 169+47.36
Delta = 61°59'25.85" RT.
T = 579.72'
L = 1044.07'
R = 965.00'
E = 160.75'
e = 8.0%
RUNOFF = 204.26'
RUNOUT = 51.06'

RIGHT OF WAY CALLS
Ⓐ N 63°29'36" W 153.67'
Ⓑ N 29°49'43" E 100.01'
Ⓒ S 7°16'02" W 304.30'
Ⓓ RADIUS = 614.18'
ARC LENGTH = 575.52'
CHORD LENGTH = 554.70'
BEARING = S 85°01'22" W
Ⓔ N 7°16'02" E 312.27'



DITCH CONSTRUCTION - RIGHT			
STATION	SIZE-SHAPE TYPE	LINING TYPE	LINING QUANTITY
167+14.26**	2' F.B. OUTLET	CL. III	41 TONS
167+11.54 TO 168+00	2' F.B. SURF. DT.	ECB	141 S.Y.
168+00 TO 168+50	SPL. 2' F.B. DT.	ECB	68 S.Y.
168+15 TO 173+50	NORMAL DT.	TRM I	592 S.Y.
173+50 TO 176+00	SPL. 2' F.B. DT.	TRM I	233 S.Y.
176+00 TO 177+46.29	2' F.B. SURF. DT.	TRM I	156 S.Y.
176+50 TO 177+00	2' F.B. SURF. DT.	TRM I	53 S.Y.
177+27.83**	4' F.B. OUTLET	CL. III	86 TONS
177+46.29 TO 180+00	2' F.B. SURF. DT.	TRM I	276 S.Y.

* - DEPTH TO PROTECT = 1.5'
** - DEPTH TO PROTECT = 2.0'

REMOVE PAVEMENT
RT. STA. 167+47.29 TO RT. STA 177+31.68
REMOVE 2,187 SQ. YD. OF EXISTING PAVEMENT

RT. STA. 177+62 TO RT. STA 180+00
REMOVE 491 SQ. YD. OF EXISTING PAVEMENT

STEEL "W" BEAM GUARDRAIL
RT. STA. 165+00 TO STA. 167+33.27,
CONST. 190.39 L.F. W/1 END
TREATMENT TYPE 4A

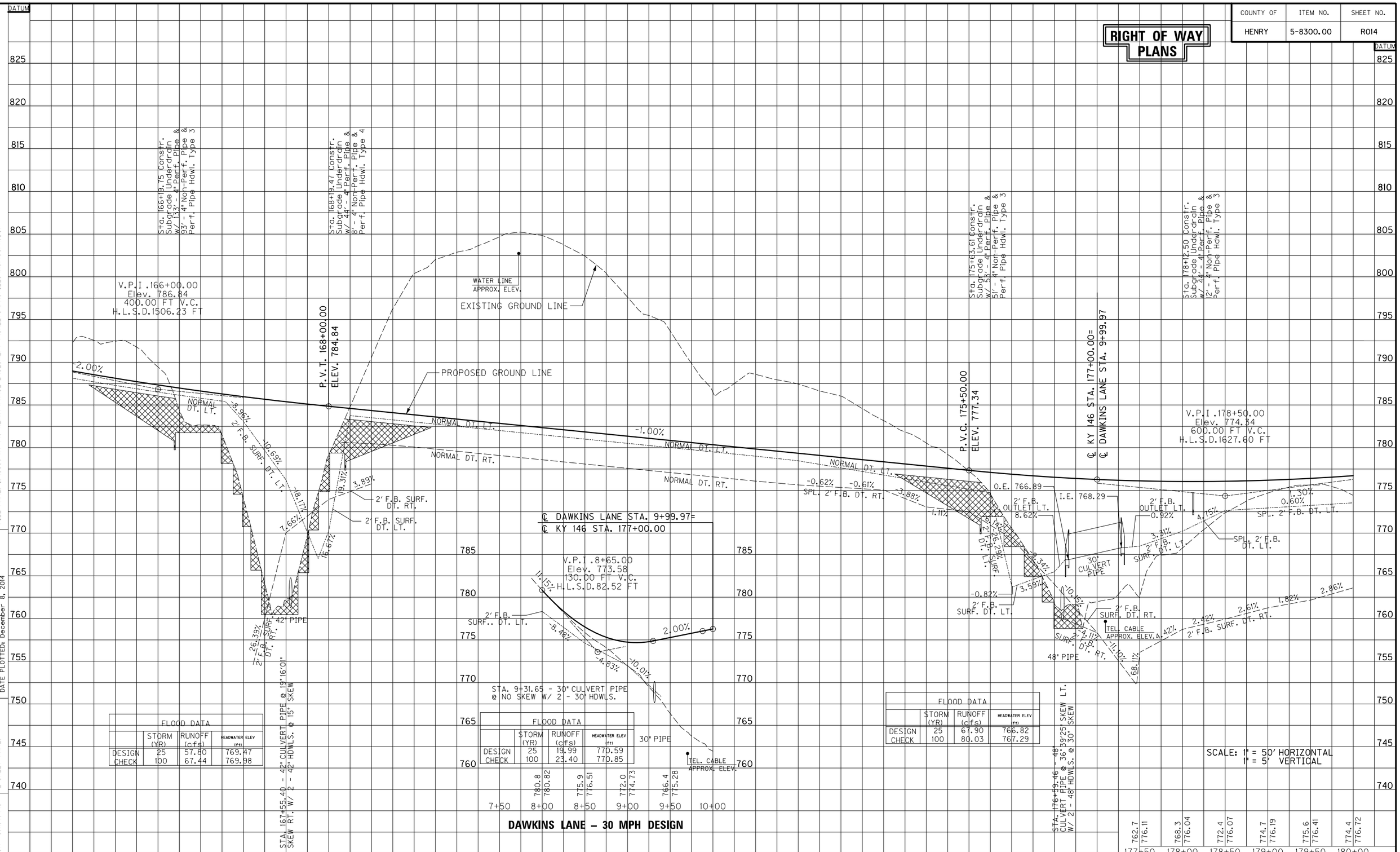
0' 50' 100' 200'
SCALE: 1"=50'

PLAN SHEET
KY 146 RELOCATION
STA. 165+00 TO STA. 180+00

FILE NAME: I:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1\SENT\2014-12-12 ROW SET\PLAN\R01300PL.DGN
USER: TRobinson
DATE PLOTTED: December 8, 2014
E-SHEET NAME:
MicroStation v8.11.7.443

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-8300.00	R014

RIGHT OF WAY PLANS



PROFILE SHEET
KY 146 RELOCATION
STA. 165+00 TO STA. 180+00

FILE NAME: I:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1\SHEETS\PROFILES\R0140OPR.DGN
USER: TRobinson
DATE PLOTTED: December 8, 2014
E-SHEET NAME:
MicroStation v8.11.7.443

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-8300.00	R015

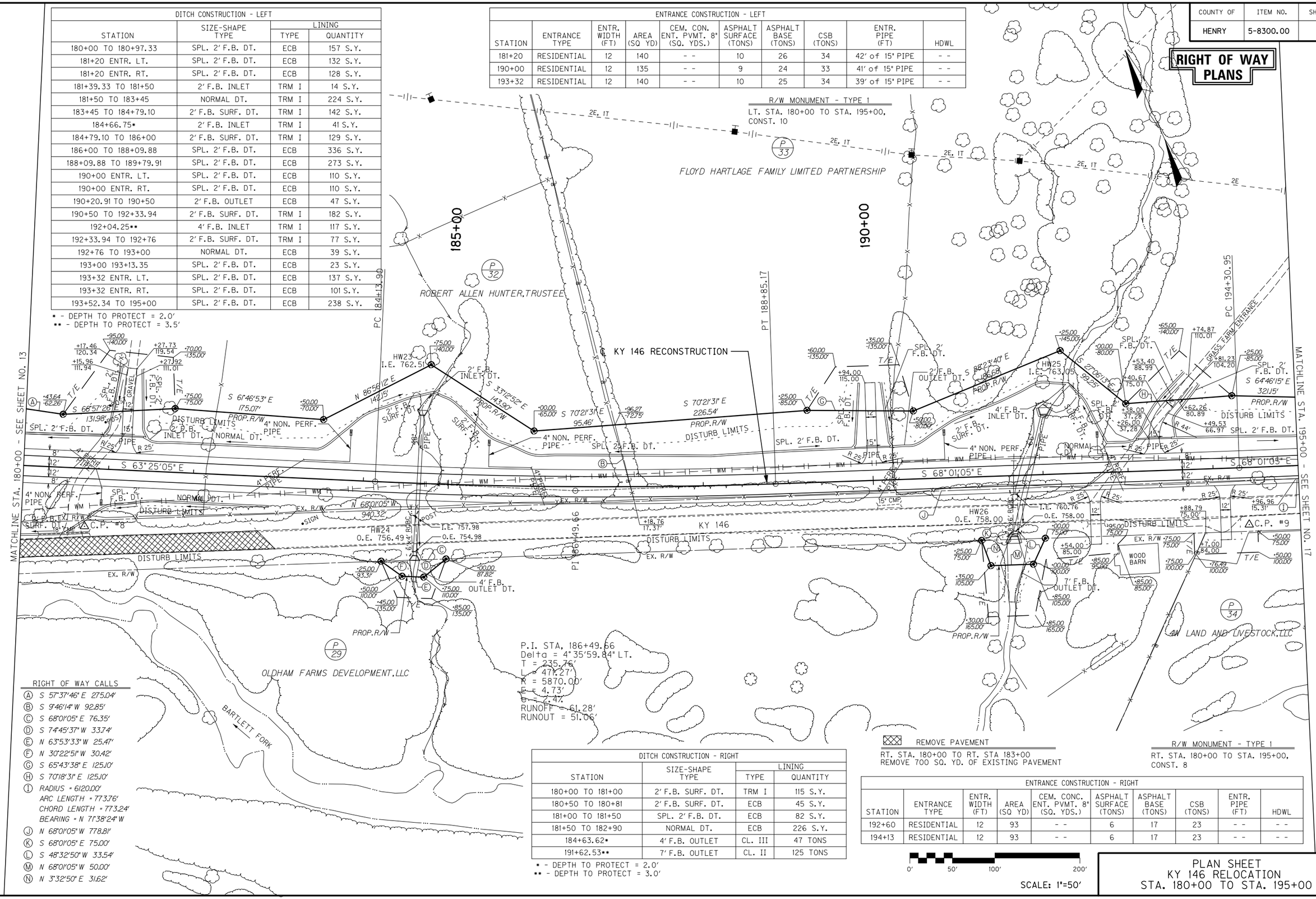
RIGHT OF WAY PLANS

DITCH CONSTRUCTION - LEFT			
STATION	SIZE-SHAPE TYPE	LINING TYPE	LINING QUANTITY
180+00 TO 180+97.33	SPL. 2' F.B. DT.	ECB	157 S.Y.
181+20 ENTR. LT.	SPL. 2' F.B. DT.	ECB	132 S.Y.
181+20 ENTR. RT.	SPL. 2' F.B. DT.	ECB	128 S.Y.
181+39.33 TO 181+50	2' F.B. INLET	TRM I	14 S.Y.
181+50 TO 183+45	NORMAL DT.	TRM I	224 S.Y.
183+45 TO 184+79.10	2' F.B. SURF. DT.	TRM I	142 S.Y.
184+66.75*	2' F.B. INLET	TRM I	41 S.Y.
184+79.10 TO 186+00	2' F.B. SURF. DT.	TRM I	129 S.Y.
186+00 TO 188+09.88	SPL. 2' F.B. DT.	ECB	336 S.Y.
188+09.88 TO 189+79.91	SPL. 2' F.B. DT.	ECB	273 S.Y.
190+00 ENTR. LT.	SPL. 2' F.B. DT.	ECB	110 S.Y.
190+00 ENTR. RT.	SPL. 2' F.B. DT.	ECB	110 S.Y.
190+20.91 TO 190+50	2' F.B. OUTLET	ECB	47 S.Y.
190+50 TO 192+33.94	2' F.B. SURF. DT.	TRM I	182 S.Y.
192+04.25**	4' F.B. INLET	TRM I	117 S.Y.
192+33.94 TO 192+76	2' F.B. SURF. DT.	TRM I	77 S.Y.
192+76 TO 193+00	NORMAL DT.	ECB	39 S.Y.
193+00 193+13.35	SPL. 2' F.B. DT.	ECB	23 S.Y.
193+32 ENTR. LT.	SPL. 2' F.B. DT.	ECB	137 S.Y.
193+32 ENTR. RT.	SPL. 2' F.B. DT.	ECB	101 S.Y.
193+52.34 TO 195+00	SPL. 2' F.B. DT.	ECB	238 S.Y.

* - DEPTH TO PROTECT = 2.0'
** - DEPTH TO PROTECT = 3.5'

ENTRANCE CONSTRUCTION - LEFT									
STATION	ENTRANCE TYPE	ENTR. WIDTH (FT)	AREA (SQ YD)	CEM. CON. ENT. PVMT. 8" (SQ. YDS.)	ASPHALT SURFACE (TONS)	ASPHALT BASE (TONS)	CSB (TONS)	ENTR. PIPE (FT)	HDWL
181+20	RESIDENTIAL	12	140	- -	10	26	34	42' of 15" PIPE	- -
190+00	RESIDENTIAL	12	135	- -	9	24	33	41' of 15" PIPE	- -
193+32	RESIDENTIAL	12	140	- -	10	25	34	39' of 15" PIPE	- -

R/W MONUMENT - TYPE 1
LT. STA. 180+00 TO STA. 195+00, CONST. 10



P.I. STA. 186+49.66
Delta = 4°35'59.84" LT.
T = 235.76'
L = 471.27'
R = 5870.00'
E = 4.73'
G = 2.4%
RUNOFF = 61.28'
RUNOUT = 51.06'

RIGHT OF WAY CALLS

- (A) S 57°37'46" E 275.04'
- (B) S 9°46'14" W 92.85'
- (C) S 68°01'05" E 76.35'
- (D) S 74°45'37" W 33.74'
- (E) N 63°53'33" W 25.47'
- (F) N 30°22'51" W 30.42'
- (G) S 65°43'38" E 125.10'
- (H) S 70°18'31" E 125.10'
- (I) RADIUS = 6120.00'
  ARC LENGTH = 773.76'
  CHORD LENGTH = 773.24'
  BEARING = N 71°38'24" W
- (J) N 68°01'05" W 778.81'
- (K) S 68°01'05" E 75.00'
- (L) S 48°32'50" W 33.54'
- (M) N 68°01'05" W 50.00'
- (N) N 3°32'50" E 31.62'

DITCH CONSTRUCTION - RIGHT			
STATION	SIZE-SHAPE TYPE	LINING TYPE	LINING QUANTITY
180+00 TO 181+00	2' F.B. SURF. DT.	TRM I	115 S.Y.
180+50 TO 180+81	2' F.B. SURF. DT.	ECB	45 S.Y.
181+00 TO 181+50	SPL. 2' F.B. DT.	ECB	82 S.Y.
181+50 TO 182+90	NORMAL DT.	ECB	226 S.Y.
184+63.62*	4' F.B. OUTLET	CL. III	47 TONS
191+62.53**	7' F.B. OUTLET	CL. II	125 TONS

* - DEPTH TO PROTECT = 2.0'
** - DEPTH TO PROTECT = 3.0'

REMOVE PAVEMENT
RT. STA. 180+00 TO RT. STA 183+00
REMOVE 700 SQ. YD. OF EXISTING PAVEMENT

R/W MONUMENT - TYPE 1
RT. STA. 180+00 TO STA. 195+00, CONST. 8

ENTRANCE CONSTRUCTION - RIGHT									
STATION	ENTRANCE TYPE	ENTR. WIDTH (FT)	AREA (SQ YD)	CEM. CONC. ENT. PVMT. 8" (SQ. YDS.)	ASPHALT SURFACE (TONS)	ASPHALT BASE (TONS)	CSB (TONS)	ENTR. PIPE (FT)	HDWL
192+60	RESIDENTIAL	12	93	- -	6	17	23	- -	- -
194+13	RESIDENTIAL	12	93	- -	6	17	23	- -	- -

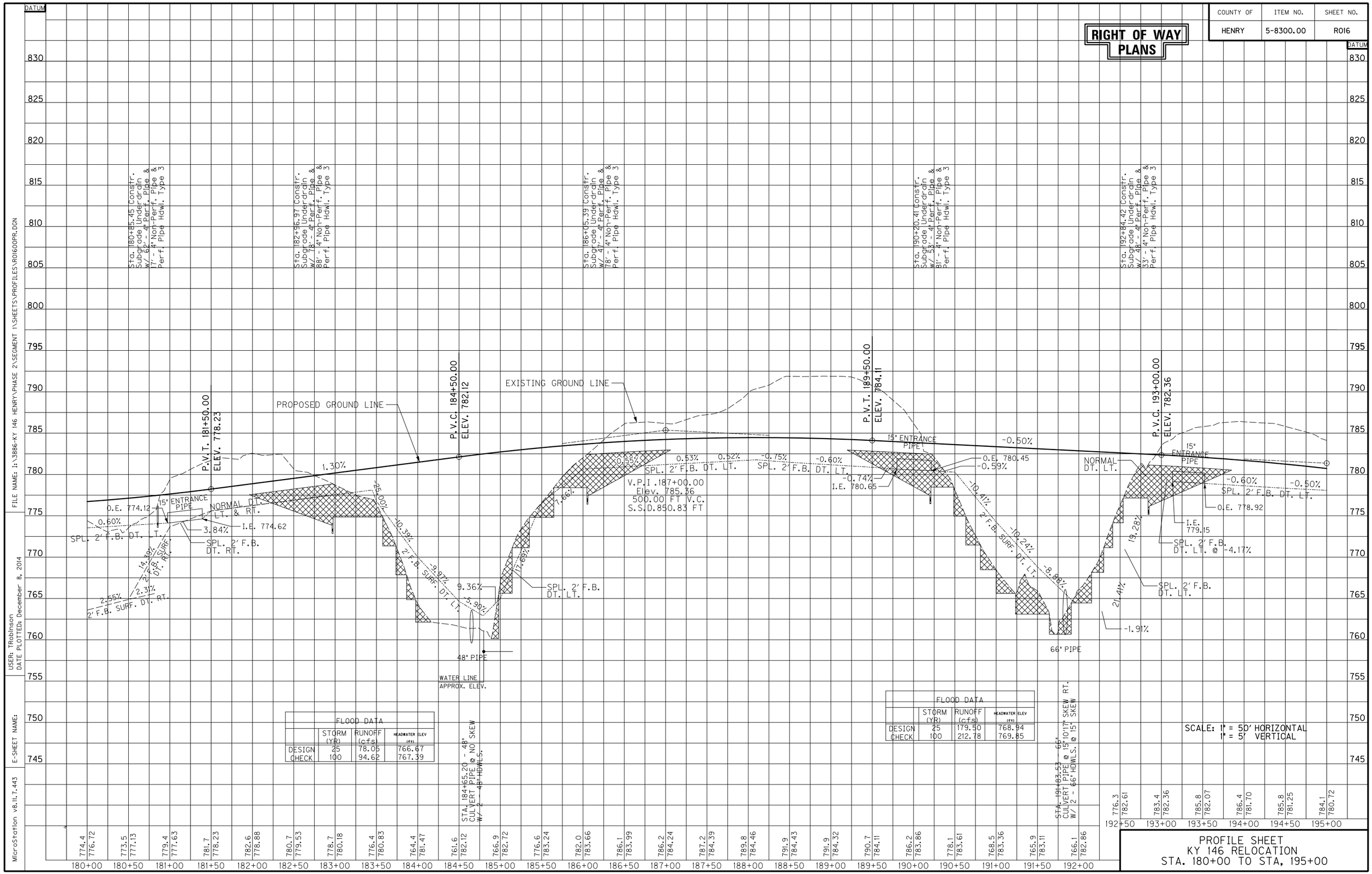
0' 50' 100' 200'
SCALE: 1"=50'

PLAN SHEET
KY 146 RELOCATION
STA. 180+00 TO STA. 195+00

FILE NAME: I:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1\SENT\2014-12-12 ROW SET\PLAN\R015OPL.DGN
USER: TRobinson
DATE PLOTTED: December 8, 2014
E-SHEET NAME:
MicroStation v8.11.7.443

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-8300.00	R016

RIGHT OF WAY PLANS



FLOOD DATA

	STORM (YR)	RUNOFF (cfs)	HEADWATER ELEV (ft)
DESIGN	25	78.05	766.67
CHECK	100	94.62	767.39

FLOOD DATA

	STORM (YR)	RUNOFF (cfs)	HEADWATER ELEV (ft)
DESIGN	25	179.50	768.94
CHECK	100	212.78	769.85

PROFILE SHEET
KY 146 RELOCATION
STA. 180+00 TO STA. 195+00

FILE NAME: I:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1\SHEETS\PROFILES\R016OPR.DGN
USER: TRobinson
DATE PLOTTED: December 8, 2014
E-SHEET NAME:
MicroStation v8.11.7.443

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-8300.00	R017

DITCH CONSTRUCTION - LEFT			
STATION	SIZE-SHAPE TYPE	LINING TYPE	LINING QUANTITY
195+00 TO 197+50	NORMAL DT.	ECB	401 S.Y.
197+50 TO 198+00	2' F.B. SURF. DT.	TRM I	53 S.Y.
197+95.78	2' F.B. INLET	ECB	32 S.Y.
198+00 TO 198+21	2' F.B. SURF. DT.	ECB	43 S.Y.
198+21 TO 203+00	NORMAL DT.	ECB	768 S.Y.
201+00 INTERCEPTOR DT.	2' INTERCEPTOR DT.	TRM I	104 S.Y.
203+00 TO 203+50	SPL. 2' F.B. DT.	ECB	81 S.Y.
203+50 TO 204+59.90*	2' F.B. SURF. DT.	TRM I	146 S.Y.
204+56.50	4' F.B. INLET	TRM III	14 S.Y.
204+59.90 TO 204+71	2' F.B. SURF. DT.	TRM I	23 S.Y.
204+71 TO 208+00	NORMAL DT.	ECB	539 S.Y.
208+22.12 ENTR. LT.	SPL. 2' F.B. DT.	TRM I	118 S.Y.
208+22.12 ENTR. RT.	SPL. 2' F.B. DT.	ECB	168 S.Y.
208+35 TO 209+12.57	2' F.B. SURF. DT.	ECB	121 S.Y.
209+18.90**	4' F.B. INLET	TRM I	53 S.Y.
209+12.57 TO 209+67.29	2' F.B. SURF. DT.	TRM I	64 S.Y.

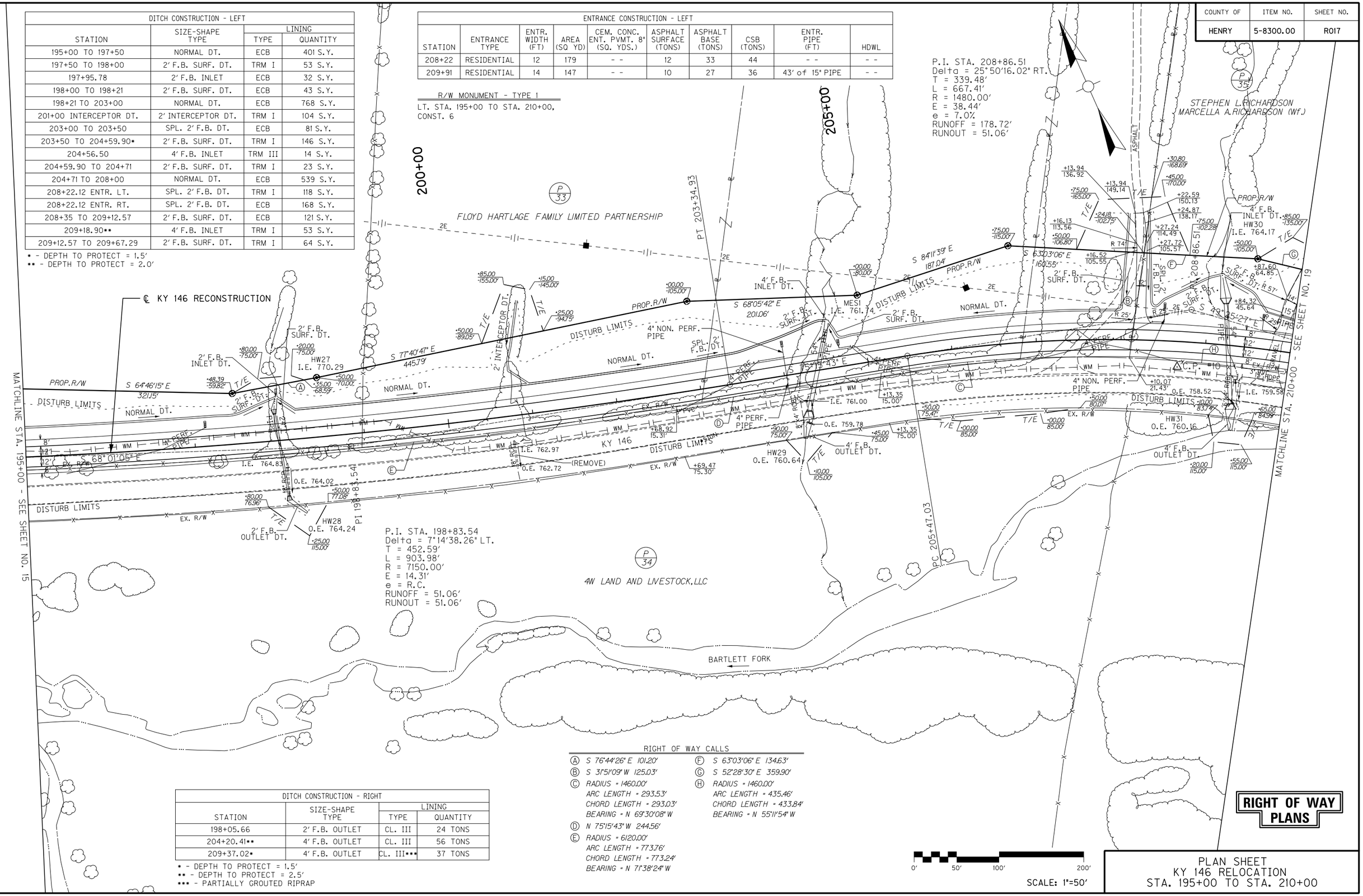
* - DEPTH TO PROTECT = 1.5'
** - DEPTH TO PROTECT = 2.0'

ENTRANCE CONSTRUCTION - LEFT									
STATION	ENTRANCE TYPE	ENTR. WIDTH (FT)	AREA (SQ YD)	CEM. CONC. ENT. PVMT. 8" (SQ. YDS.)	ASPHALT SURFACE (TONS)	ASPHALT BASE (TONS)	CSB (TONS)	ENTR. PIPE (FT)	HDWL
208+22	RESIDENTIAL	12	179	- -	12	33	44	- -	- -
209+91	RESIDENTIAL	14	147	- -	10	27	36	43' of 15" PIPE	- -

R/W MONUMENT - TYPE 1
LT. STA. 195+00 TO STA. 210+00,
CONST. 6

P.I. STA. 208+86.51
Delta = 25°50'16.02" RT.
T = 339.48'
L = 667.41'
R = 1480.00'
E = 38.44'
e = 7.0%
RUNOFF = 178.72'
RUNOUT = 51.06'

P.I. STA. 198+83.54
Delta = 7°14'38.26" LT.
T = 452.59'
L = 903.98'
R = 7150.00'
E = 14.31'
e = R.C.
RUNOFF = 51.06'
RUNOUT = 51.06'



DITCH CONSTRUCTION - RIGHT			
STATION	SIZE-SHAPE TYPE	LINING TYPE	LINING QUANTITY
198+05.66	2' F.B. OUTLET	CL. III	24 TONS
204+20.41**	4' F.B. OUTLET	CL. III	56 TONS
209+37.02*	4' F.B. OUTLET	CL. III***	37 TONS

* - DEPTH TO PROTECT = 1.5'
** - DEPTH TO PROTECT = 2.5'
*** - PARTIALLY GROUTED RIPRAP

RIGHT OF WAY CALLS

Ⓐ S 76°44'26" E 101.20'
Ⓑ S 31°51'09" W 125.03'
Ⓒ RADIUS = 1460.00'
ARC LENGTH = 293.53'
CHORD LENGTH = 293.03'
BEARING = N 69°30'08" W
Ⓓ N 75°15'43" W 244.56'
Ⓔ RADIUS = 6120.00'
ARC LENGTH = 773.76'
CHORD LENGTH = 773.24'
BEARING = N 71°38'24" W
Ⓕ S 63°03'06" E 134.63'
Ⓖ S 52°28'30" E 359.90'
Ⓗ RADIUS = 1460.00'
ARC LENGTH = 435.46'
CHORD LENGTH = 433.84'
BEARING = N 55°11'54" W

0' 50' 100' 200'
SCALE: 1"=50'

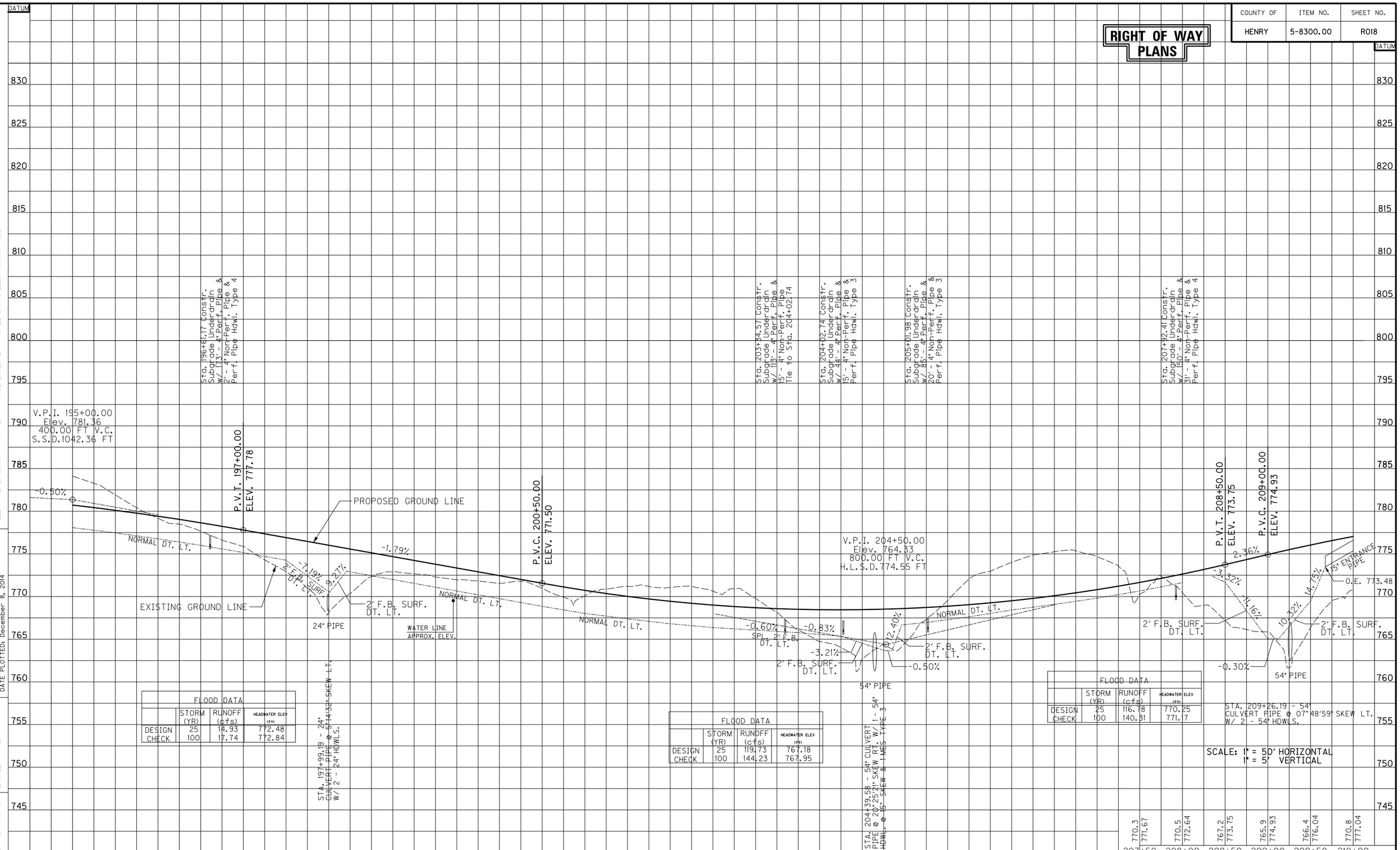
RIGHT OF WAY PLANS

PLAN SHEET
KY 146 RELOCATION
STA. 195+00 TO STA. 210+00

FILE NAME: I:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1\SENT\2014-12-12 ROW SET\PLAN\R017OPL.DGN
USER: TRobinson
DATE PLOTTED: December 8, 2014
E-SHEET NAME:
MicroStation v8.11.7.443

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-8300.00	R018

RIGHT OF WAY PLANS



FLOOD DATA

	STORM (YR)	RUNOFF (cfs)	HEADWATER ELEV (ft)
DESIGN	25	14.93	772.48
CHECK	100	17.74	772.84

FLOOD DATA

	STORM (YR)	RUNOFF (cfs)	HEADWATER ELEV (ft)
DESIGN	25	119.73	767.18
CHECK	100	144.23	767.95

FLOOD DATA

	STORM (YR)	RUNOFF (cfs)	HEADWATER ELEV (ft)
DESIGN	25	116.78	770.25
CHECK	100	140.31	771.7

PROFILE SHEET
KY 146 RELOCATION
STA. 195+00 TO STA. 210+00

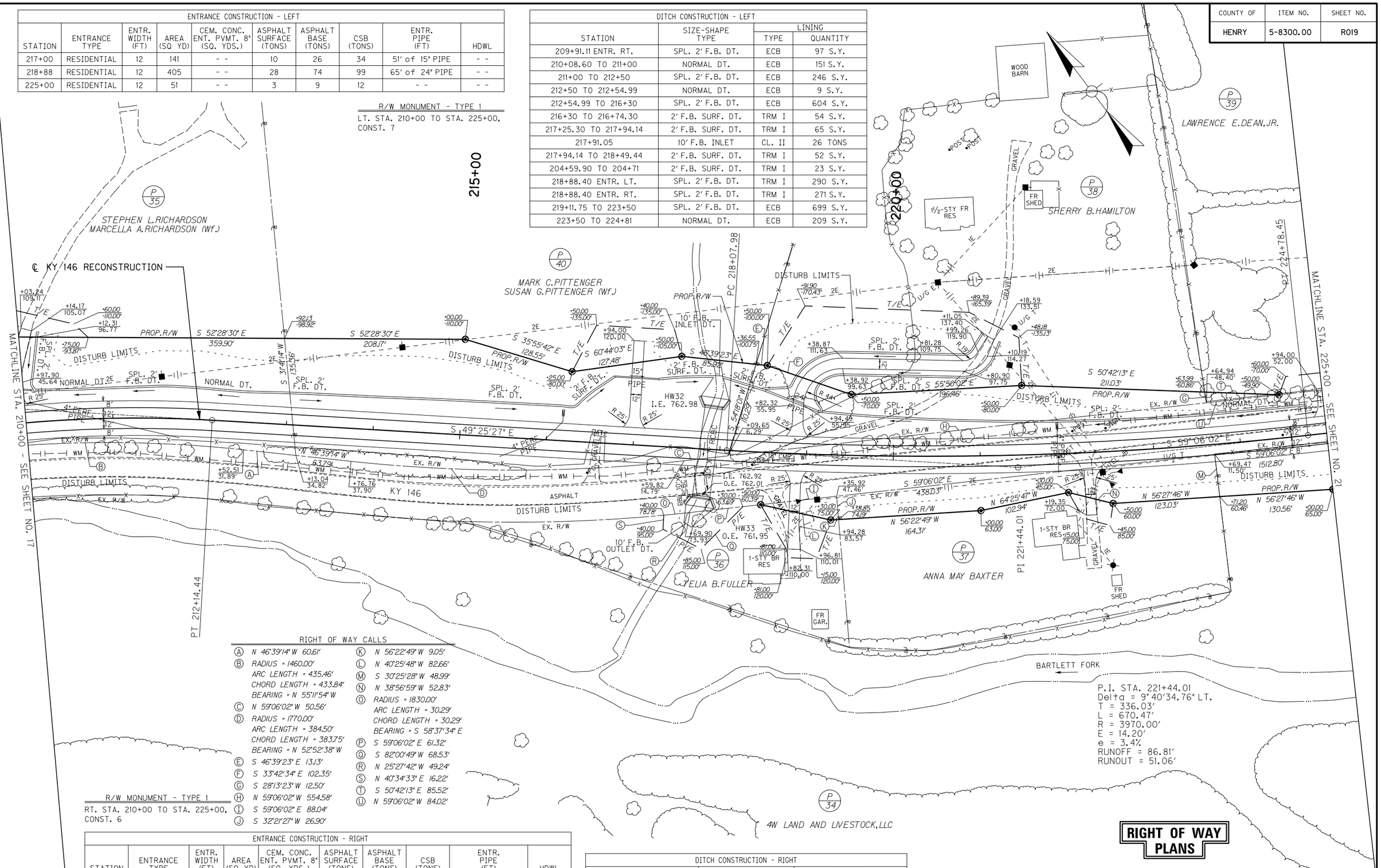
FILE NAME: I:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1\SHEETS\PROFILES\R018OOPR.DGN
USER: TRobinson
DATE PLOTTED: December 8, 2014
E-SHEET NAME:
MicroStation v8.11.7.443

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-8300.00	R019

ENTRANCE CONSTRUCTION - LEFT									
STATION	ENTRANCE TYPE	ENTR. WIDTH (FT)	AREA (SQ YD)	CEM. CONC. ENT. PVMT. 8" (SQ. YDS.)	ASPHALT SURFACE (TONS)	ASPHALT BASE (TONS)	CSB (TONS)	ENTR. PIPE (FT)	HDWL
217+00	RESIDENTIAL	12	141	- -	10	26	34	51' of 15" PIPE	- -
218+88	RESIDENTIAL	12	405	- -	28	74	99	65' of 24" PIPE	- -
225+00	RESIDENTIAL	12	51	- -	3	9	12	- -	- -

DITCH CONSTRUCTION - LEFT			
STATION	SIZE-SHAPE TYPE	LINING	
		TYPE	QUANTITY
209+91.11 ENTR. RT.	SPL. 2' F.B. DT.	ECB	97 S.Y.
210+08.60 TO 211+00	NORMAL DT.	ECB	151 S.Y.
211+00 TO 212+50	SPL. 2' F.B. DT.	ECB	246 S.Y.
212+50 TO 212+54.99	NORMAL DT.	ECB	9 S.Y.
212+54.99 TO 216+30	SPL. 2' F.B. DT.	ECB	604 S.Y.
216+30 TO 216+74.30	2' F.B. SURF. DT.	TRM I	54 S.Y.
217+25.30 TO 217+94.14	2' F.B. SURF. DT.	TRM I	65 S.Y.
217+91.05	10' F.B. INLET	CL. II	26 TONS
217+94.14 TO 218+49.44	2' F.B. SURF. DT.	TRM I	52 S.Y.
204+59.90 TO 204+71	2' F.B. SURF. DT.	TRM I	23 S.Y.
218+88.40 ENTR. LT.	SPL. 2' F.B. DT.	TRM I	290 S.Y.
218+88.40 ENTR. RT.	SPL. 2' F.B. DT.	TRM I	271 S.Y.
219+11.75 TO 223+50	SPL. 2' F.B. DT.	ECB	699 S.Y.
223+50 TO 224+81	NORMAL DT.	ECB	209 S.Y.

R/W MONUMENT - TYPE 1
LT. STA. 210+00 TO STA. 225+00, CONST. 7



RIGHT OF WAY CALLS

- Ⓐ N 46°39'14" W 60.61'
- Ⓑ RADIUS = 1460.00'
  ARC LENGTH = 435.46'
  CHORD LENGTH = 433.84'
  BEARING = N 55°11'54" W
- Ⓒ N 59°06'02" W 50.56'
- Ⓓ RADIUS = 1770.00'
  ARC LENGTH = 384.50'
  CHORD LENGTH = 383.75'
  BEARING = N 52°52'38" W
- Ⓔ S 46°39'23" E 13.13'
- Ⓕ S 33°42'34" E 102.35'
- Ⓖ S 28°13'23" W 12.50'
- Ⓗ N 59°06'02" W 554.58'
- Ⓘ S 59°06'02" E 88.04'
- Ⓙ S 32°21'27" W 26.90'
- Ⓚ N 56°22'49" W 9.05'
- Ⓛ N 40°25'48" W 82.66'
- Ⓜ S 30°25'28" W 48.99'
- Ⓝ N 38°56'59" W 52.83'
- Ⓞ RADIUS = 1830.00'
  ARC LENGTH = 30.29'
  CHORD LENGTH = 30.29'
  BEARING = S 58°37'34" E
- Ⓟ S 59°06'02" E 61.32'
- Ⓠ S 82°00'49" W 68.53'
- Ⓡ N 25°27'42" W 49.24'
- Ⓢ N 40°34'33" E 16.22'
- Ⓣ S 50°42'13" E 85.52'
- Ⓤ N 59°06'02" W 84.02'

R/W MONUMENT - TYPE 1
RT. STA. 210+00 TO STA. 225+00, CONST. 6

ENTRANCE CONSTRUCTION - RIGHT									
STATION	ENTRANCE TYPE	ENTR. WIDTH (FT)	AREA (SQ YD)	CEM. CONC. ENT. PVMT. 8" (SQ. YDS.)	ASPHALT SURFACE (TONS)	ASPHALT BASE (TONS)	CSB (TONS)	ENTR. PIPE (FT)	HDWL
218+88	RESIDENTIAL	12	132	- -	9	24	32	- -	- -
222+25	RESIDENTIAL	12	77	- -	5	14	19	- -	- -

DITCH CONSTRUCTION - RIGHT			
STATION	SIZE-SHAPE TYPE	LINING	
		TYPE	QUANTITY
217+80.62	10' F.B. OUTLET	CL. III	41 TONS

0' 50' 100' 200'
SCALE: 1"=50'

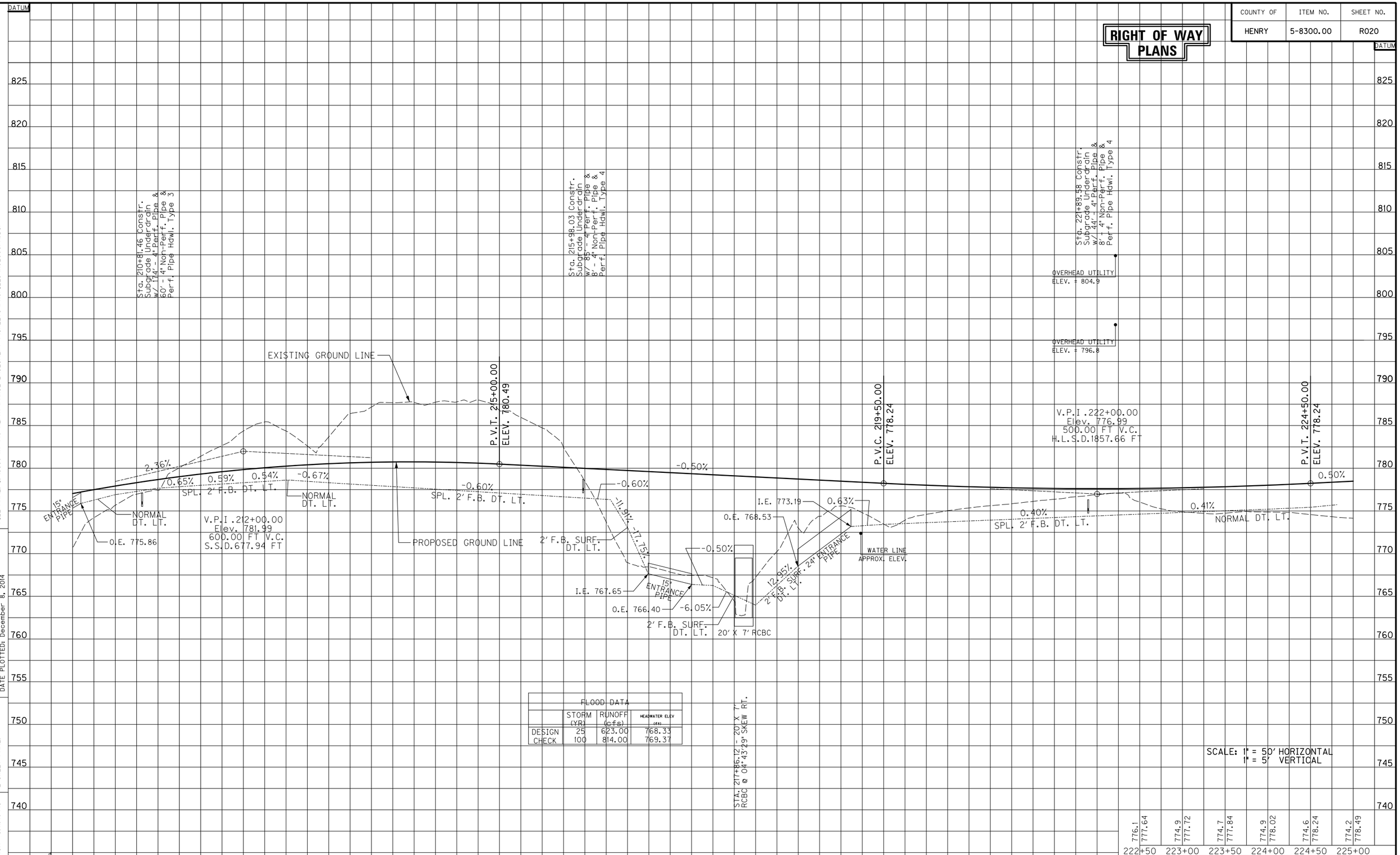
RIGHT OF WAY PLANS

PLAN SHEET
KY 146 RELOCATION
STA. 210+00 TO STA. 225+00

FILE NAME: I:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1\SENT\2014-12-12 ROW SET\PLAN\R019OOPL.DGN
USER: TRobinson
DATE PLOTTED: December 8, 2014
E-SHEET NAME:
MicroStation v8.11.7.443

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-8300.00	R020

RIGHT OF WAY PLANS



FLOOD DATA

	STORM (YR)	RUNOFF (cfs)	HEADWATER ELEV (ft)
DESIGN	25	623.00	768.33
CHECK	100	814.00	769.37

PROFILE SHEET
KY 146 RELOCATION
STA. 210+00 TO STA. 225+00

FILE NAME: I:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1\SHEETS\PROFILES\R02000PR.DGN
USER: TRobinson
DATE PLOTTED: December 8, 2014
E-SHEET NAME:
MicroStation v8.11.7.443

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-8300.00	R021

RIGHT OF WAY PLANS

DITCH CONSTRUCTION - LEFT			
STATION	SIZE-SHAPE TYPE	LINING TYPE	LINING QUANTITY
225+23.99 TO 227+50	SPL. 2' F.B. DT.	TRM I	260 S.Y.
227+50 TO 227+95*	NORMAL DT.	ECB	94 S.Y.
228+27 TO 229+95.40	SPL. 2' F.B. DT.	TRM I	157 S.Y.
230+41.35 TO 230+46.06	SPL. 2' F.B. DT.	TRM I	9 S.Y.
230+46.06	2' F.B. INLET	TRM I	18 S.Y.
230+46.06 TO 231+25	2' F.B. SURF. DT.	TRM I	82 S.Y.
231+62 TO 234+00	SPL. 2' F.B. DT.	ECB	361 S.Y.
234+00 TO 234+46	NORMAL DT.	ECB	75 S.Y.
234+46 TO 235+00	SPL. 2' F.B. DT.	ECB	89 S.Y.
234+98.97	2' F.B. INLET	TRM I	5 S.Y.
235+00 TO 235+50	SPL. 2' F.B. DT.	TRM I	59 S.Y.
235+50 TO 238+50	NORMAL DT.	ECB	484 S.Y.
238+74.51 ENTR. LT.	SPL. 2' F.B. DT.	ECB	78 S.Y.
238+74.51 ENTR. RT.	SPL. 2' F.B. DT.	ECB	90 S.Y.
239+00 TO 239+68.42	SPL. 2' F.B. DT.	TRM I	88 S.Y.
239+68.42*	2' F.B. INLET	TRM I	31 S.Y.
239+68.42 TO 240+00	SPL. 2' F.B. DT.	TRM I	34 S.Y.

* - DEPTH TO PROTECT = 2.0'

ENTRANCE CONSTRUCTION - LEFT									
STATION	ENTRANCE TYPE	ENTR. WIDTH (FT)	AREA (SQ YD)	CEM. CONC. ENT. PVMT. 8" (SQ. YDS.)	ASPHALT SURFACE (TONS)	ASPHALT BASE (TONS)	CSB (TONS)	ENTR. PIPE (FT)	HDWL
228+10	RESIDENTIAL	12	60	- -	4	11	15	- -	- -
230+19	RESIDENTIAL	12	64	- -	4	12	16	46' of 15" PIPE	- -
231+44	RESIDENTIAL	12	51	- -	4	9	12	37' of 15" PIPE	- -
238+75	RESIDENTIAL	12	98	- -	7	18	24	- -	- -

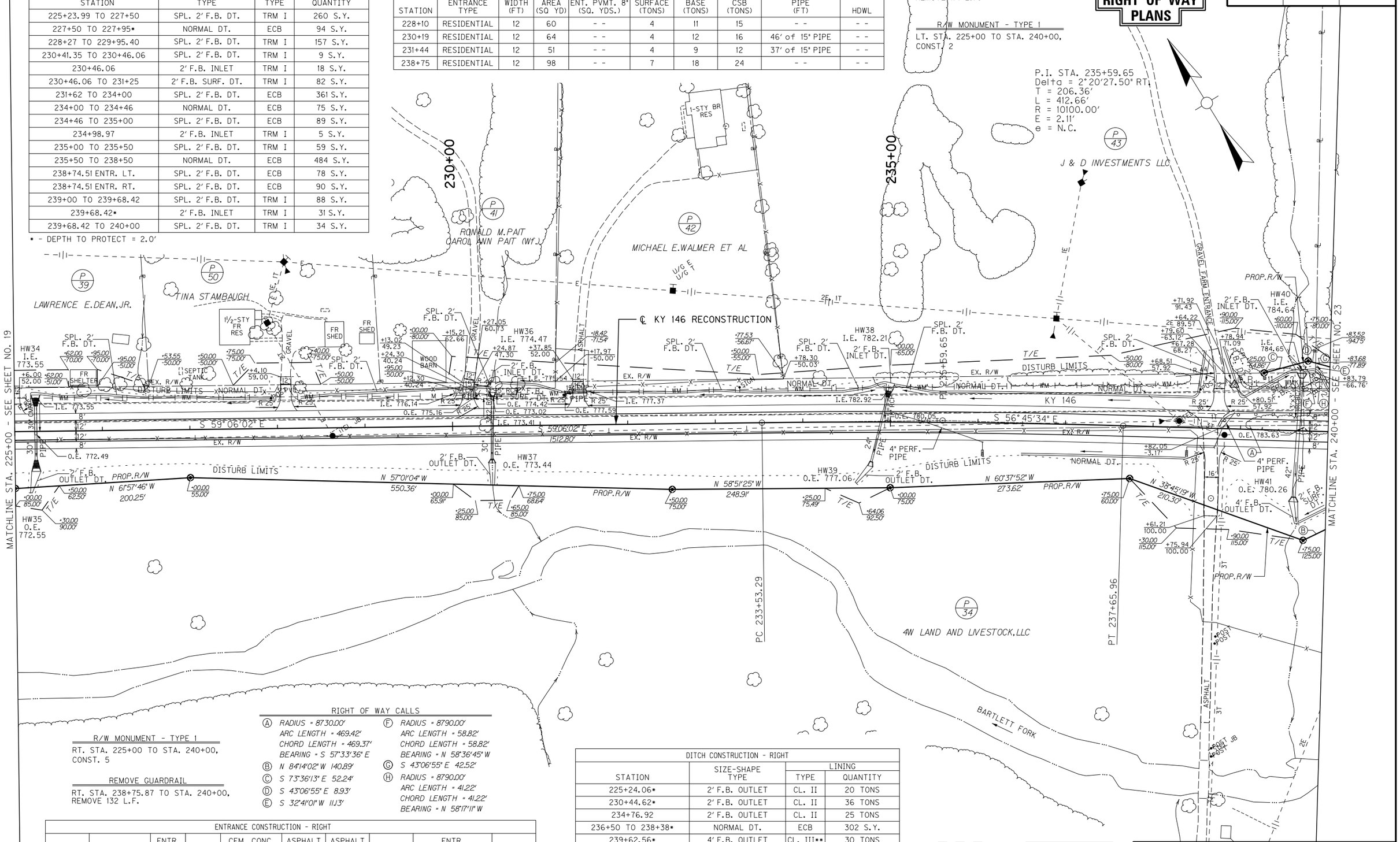
REMOVE GUARDRAIL

LT. STA. 238+96.67 TO STA. 240+00, REMOVE 114 L.F.

R/W MONUMENT - TYPE 1

LT. STA. 225+00 TO STA. 240+00, CONST. 2

P.I. STA. 235+59.65
Delta = 2°20'27.50" RT.
T = 206.36'
L = 412.66'
R = 10100.00'
E = 2.11'
e = N.C.



R/W MONUMENT - TYPE 1

RT. STA. 225+00 TO STA. 240+00, CONST. 5

REMOVE GUARDRAIL

RT. STA. 238+75.87 TO STA. 240+00, REMOVE 132 L.F.

RIGHT OF WAY CALLS

Ⓐ RADIUS = 8730.00'
ARC LENGTH = 469.42'
CHORD LENGTH = 469.37'
BEARING = S 57°33'36" E

Ⓑ N 84°14'02" W 140.89'

Ⓒ S 73°36'13" E 52.24'

Ⓓ S 43°06'55" E 8.93'

Ⓔ S 32°41'01" W 111.3'

Ⓕ RADIUS = 8790.00'
ARC LENGTH = 58.82'
CHORD LENGTH = 58.82'
BEARING = N 58°36'45" W

Ⓖ S 43°06'55" E 42.52'

Ⓗ RADIUS = 8790.00'
ARC LENGTH = 41.22'
CHORD LENGTH = 41.22'
BEARING = N 58°17'11" W

ENTRANCE CONSTRUCTION - RIGHT									
STATION	ENTRANCE TYPE	ENTR. WIDTH (FT)	AREA (SQ YD)	CEM. CONC. ENT. PVMT. 8" (SQ. YDS.)	ASPHALT SURFACE (TONS)	ASPHALT BASE (TONS)	CSB (TONS)	ENTR. PIPE (FT)	HDWL
238+69	RESIDENTIAL	16	150	- -	10	27	36	- -	- -

DITCH CONSTRUCTION - RIGHT			
STATION	SIZE-SHAPE TYPE	LINING TYPE	LINING QUANTITY
225+24.06*	2' F.B. OUTLET	CL. II	20 TONS
230+44.62*	2' F.B. OUTLET	CL. II	36 TONS
234+76.92	2' F.B. OUTLET	CL. II	25 TONS
236+50 TO 238+38*	NORMAL DT.	ECB	302 S.Y.
239+62.56*	4' F.B. OUTLET	CL. III**	30 TONS
239+66.73 TO 240+00	2' F.B. SURF. DT.	TRM I	35 S.Y.

* - DEPTH TO PROTECT = 1.5'
** - PARTIALLY GROUTED RIPRAP

0' 50' 100' 200'

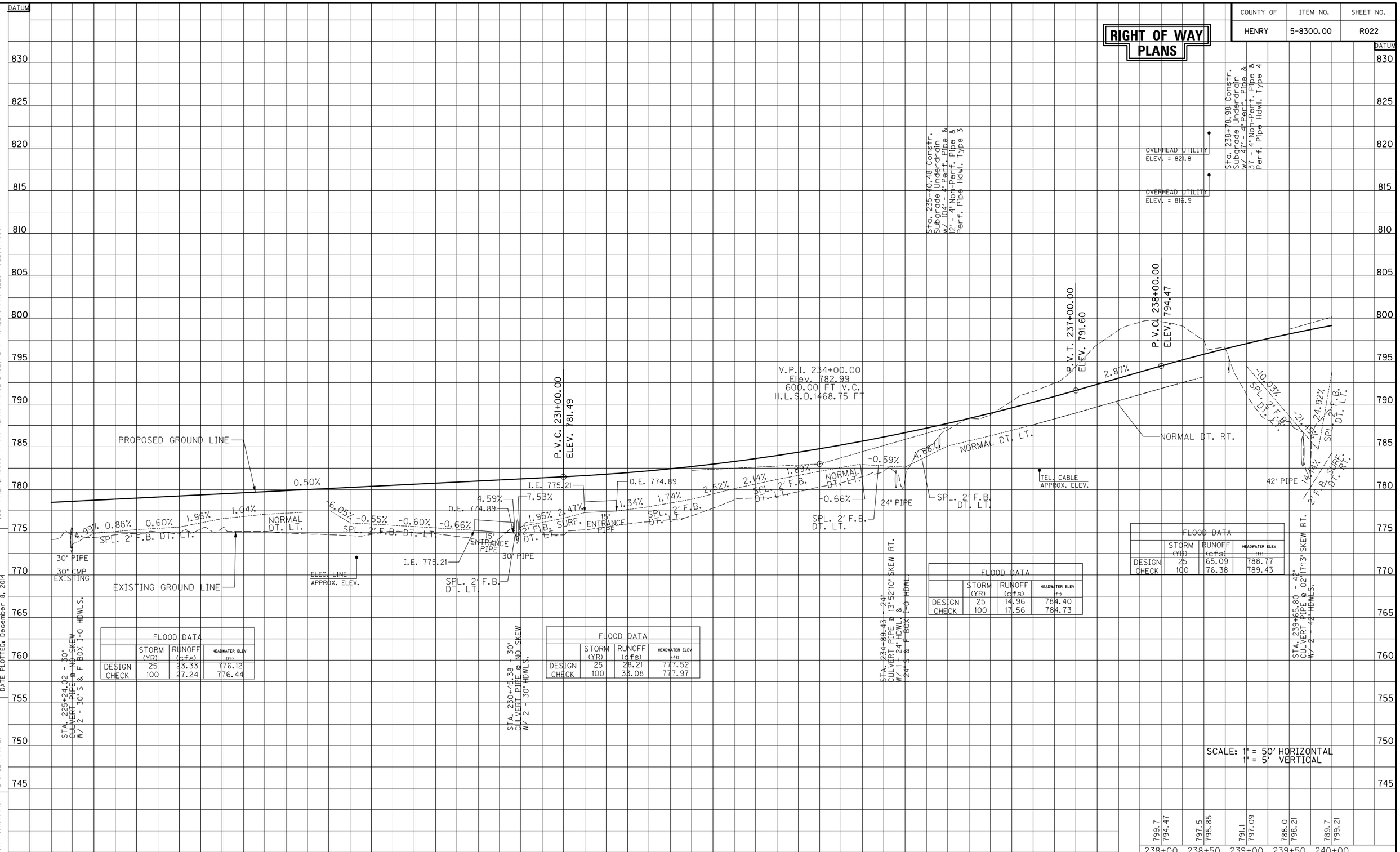
SCALE: 1"=50'

PLAN SHEET
KY 146 RELOCATION
STA. 225+00 TO STA. 240+00

FILE NAME: I:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1\SENT\2014-12-12 ROW SET\PLAN\R0210OPL.DGN
USER: TRobinson
DATE PLOTTED: December 8, 2014
E-SHEET NAME:
MicroStation v8.11.7.443

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-8300.00	R022

RIGHT OF WAY PLANS



FLOOD DATA

	STORM (YR)	RUNOFF (cfs)	HEADWATER ELEV (ft)
DESIGN	25	23.33	776.12
CHECK	100	27.24	776.44

FLOOD DATA

	STORM (YR)	RUNOFF (cfs)	HEADWATER ELEV (ft)
DESIGN	25	28.21	777.52
CHECK	100	33.08	777.97

FLOOD DATA

	STORM (YR)	RUNOFF (cfs)	HEADWATER ELEV (ft)
DESIGN	25	14.96	784.40
CHECK	100	17.56	784.73

FLOOD DATA

	STORM (YR)	RUNOFF (cfs)	HEADWATER ELEV (ft)
DESIGN	25	65.09	788.77
CHECK	100	76.38	789.43

SCALE: 1" = 50' HORIZONTAL
1" = 5' VERTICAL

PROFILE SHEET
KY 146 RELOCATION
STA. 225+00 TO STA. 240+00

FILE NAME: I:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1\SHEETS\PROFILES\R0220PR.DGN
USER: TRobinson
DATE PLOTTED: December 8, 2014
E-SHEET NAME:
MicroStation v8.11.7.443

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-8300.00	R023

DITCH CONSTRUCTION - LEFT			
STATION	SIZE-SHAPE TYPE	LINING TYPE	LINING QUANTITY
240+00 TO 240+12	SPL. 2' F.B. DT.	TRM I	18 S.Y.
240+12 TO 240+50	NORMAL DT.	ECB	62 S.Y.
240+50 TO 240+92.77*	SPL. 2' F.B. DT.	TRM I	69 S.Y.
241+13.82 ENTR. LT.	SPL. 2' F.B. DT.	ECB	152 S.Y.
241+13.82 ENTR. RT.	SPL. 2' F.B. DT.	ECB	134 S.Y.
241+32.77 TO 243+69.89	SPL. 2' F.B. DT.	ECB	382 S.Y.
243+69.89 TO 244+88	SPL. 2' F.B. DT.	ECB	191 S.Y.
244+88 TO 245+39.84	SPL. 2' F.B. DT.	TRM I	82 S.Y.
245+35.71*	2' F.B. INLET	TRM I	18 S.Y.
245+39.84 TO 246+04	SPL. 2' F.B. DT.	ECB	135 S.Y.
251+34.05 TO 252+00	SPL. 2' F.B. DT.	TRM I	83 S.Y.
251+94.02**	2' F.B. INLET	TRM I	44 S.Y.
252+00 TO 253+40	SPL. 2' F.B. DT.	ECB	236 S.Y.
253+40 TO 254+00	NORMAL DT.	ECB	98 S.Y.
254+00 TO 254+25.59	2' F.B. INLET	TRM I	31 S.Y.
254+82.83 TO 255+00	2' F.B. OUTLET	ECB	28 S.Y.
BROKO LANE			
9+23.59 TO 9+56.86 LT.	SPL. 2' F.B. DT.	TRM I	51 S.Y.
9+25 TO 9+57.53 RT.	SPL. 2' F.B. DT.	TRM I	49 S.Y.

* - DEPTH TO PROTECT = 1.5'
** - DEPTH TO PROTECT = 3.0'

ENTRANCE CONSTRUCTION - LEFT									
STATION	ENTRANCE TYPE	ENTR. WIDTH (FT)	AREA (SQ YD)	CEM. CONC. ENT. PVMT. 8" (SQ. YDS.)	ASPHALT SURFACE (TONS)	ASPHALT BASE (TONS)	CSB (TONS)	ENTR. PIPE (FT)	HDWL
241+14	RESIDENTIAL	14.6	196	- -	13	36	47	40' of 15" PIPE	- -
251+08	RESIDENTIAL	15	70	- -	5	13	17	45' of 18" PIPE	- -

REMOVE GUARDRAIL
LT. STA. 240+00 TO STA. 240+98.27,
REMOVE 99 L.F.

R/W MONUMENT - TYPE 1
LT. STA. 240+00 TO STA. 255+00,
CONST. 12

P.I. STA. 254+48.54
Delta = 2°33'00.48" RT.
T = 130.65'
L = 261.26'
R = 5870.00'
E = 1.45'
e = 2.4%
RUNOFF = 61.28'
RUNOUT = 51.06'

P.I. STA. 247+17.71
Delta = 1°53'12.19" LT.
T = 166.31'
L = 332.59'
R = 10100.00'
E = 1.37'
e = N.C.

℄ KY 146 STA. 254+53.66 =
℄ BROKO LANE STA. 10+00.00

DITCH CONSTRUCTION - RIGHT			
STATION	SIZE-SHAPE TYPE	LINING TYPE	LINING QUANTITY
240+00 TO 241+00	2' F.B. SURF. DT.	TRM I	103 S.Y.
241+00 TO 243+32	SPL. 2' F.B. DT.	ECB	374 S.Y.
245+51.14	4' F.B. OUTLET	CL. II	19 TONS
252+03*	4' F.B. OUTLET	CL. III	57 TONS

* - DEPTH TO PROTECT = 2.0'

REMOVE GUARDRAIL
LT. STA. 240+00 TO STA. 241+32.19,
REMOVE 133 L.F.

R/W MONUMENT - TYPE 1
RT. STA. 240+00 TO STA. 255+00,
CONST. 7

RIGHT OF WAY CALLS

- Ⓐ N 12°32'24" E 49.64'
- Ⓑ N 77°31'03" E 56.74'
- Ⓒ S 35°25'25" W 66.81'
- Ⓓ S 9°34'05" E 46.15'
- Ⓔ N 35°25'25" E 67.49'
- Ⓕ N 84°30'19" E 62.48'
- Ⓖ S 69°57'22" E 50.99'
- Ⓗ S 39°21'22" E 20.22'
- Ⓘ S 75°23'37" E 52.77'
- Ⓙ S 42°52'03" E 76.93'
- Ⓚ N 56°01'10" W 124.69'
- Ⓛ N 56°01'10" W 135.23'
- Ⓜ N 56°01'10" W 202.14'

RIGHT OF WAY PLANS

0' 50' 100' 200'
SCALE: 1"=50'

PLAN SHEET
KY 146 RELOCATION
STA. 240+00 TO STA. 255+00

FILE NAME: I:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1\SENT\2014-12-12 ROW SET\PLAN\R02300PL.DGN
USER: TRobinson
DATE PLOTTED: December 8, 2014
E-SHEET NAME:
MicroStation v8.11.7.443

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-8300.00	R024

RIGHT OF WAY PLANS

FARM VEHICLE LANE RT. & LT.

241+70

248+00

OVERHEAD UTILITY
ELEV. = 835.0

Sta. 240+72.66 Constr.
Subgrade Underdrain
w/ 56' - 4" Perf. Pipe &
13' - 4" Non-Perf. Pipe &
Perf. Pipe Hdwl. Type 4

Sta. 244+19.04 Constr.
Subgrade Underdrain
w/ 116' - 4" Perf. Pipe &
6' - 4" Non-Perf. Pipe &
Perf. Pipe Hdwl. Type 3

OVERHEAD UTILITY
ELEV. = 821.3

OVERHEAD UTILITY
ELEV. = 826.97

℄ BROKO LANE STA. 10+00.00=
℄ KY 146 STA. 254+53.66

V.P.I. 9+50.00
Elev. 798.32
50.00 FT V.C.
H.L.S.D.406.45 FT

-15.22%
-1.71%
SPL. 2' F.B. DT. LT.
-12.78%
-15.38%
-15.24%
-12.78%
-8.81%
-2.40%
SPL. 2' F.B. DT. RT.

FLOOD DATA			
	STORM (YR)	RUNOFF (cfs)	HEADWATER ELEV (ft)
DESIGN	25	2.65	794.20
CHECK	100	3.12	794.29

OVERHEAD UTILITY
ELEV. = 819.9

STA. 9+57.07 - 18" CULVERT PIPE @ 0°55'50" SKEW LT
W/ 2 - 18" HDWLS.

WATER LINE
APPROX. ELEV.

811.9 | 807.0 | 802.2 | 798.3 | 798.47 | 795.7 | 796.13

7+50 | 8+00 | 8+50 | 9+00 | 9+50 | 10+00

BROKO LANE – 30 MPH DESIGN

SPL. 2' F.B. DT. LT.

2.87%
2.57%
0.77%
0.93%
0.50%
2.20%
0.40%
0.50%
0.79%
0.45%
-0.46%
-0.42%
-5.17%
1.97%
9.81%
0.64%
17.80%
NORMAL DT. LT.
10.28%
12.71%
O.E. 797.84
15' ENTRANCE PIPE
I.E. 798.36
SPL. 2' F.B. DT. RT.
2' F.B. SURF. DT. RT.
SPL. 2' F.B. DT. LT.
SPL. 2' F.B. DT. LT.
-8.12%
-7.17%
7.17%
7.93%
24" PIPE
P.V.T. 245+00.00
ELEV. 802.27
PROPOSED GROUND LINE
EXISTING GROUND LINE
V.P.I. 241+50.00
Elev. 804.52
700.00 FT V.C.
S.S.D.655.70 FT

FLOOD DATA			
	STORM (YR)	RUNOFF (cfs)	HEADWATER ELEV (ft)
DESIGN	25	17.48	794.57
CHECK	100	20.69	795.06

STA. 245+42.18 - 24" CULVERT PIPE @ 05°16'55" SKEW LT.
W/ 2 - 24" HDWLS.

O.E. 792.53
I.E. 795.82
18" ENTRANCE PIPE
-11.25%
SPL. 2' F.B. DT. LT.
-11.87%
8.76%
5.97%
7.26%
SPL. 2' F.B. DT. LT.
5'X4' RCBC EXISTING
60" PIPE
NORMAL DT. LT.
-5.31%
2' F.B. INLET DT.
18" CULVERT PIPE
I.E. 793.25
O.E. 792.75
-0.52%
2' F.B. OUTLET DT.

℄ KY 146 STA. 254+53.66 =
℄ BROKO LANE STA. 10+00.00

P.V.C. 255+00.00
ELEV. 795.83

FLOOD DATA			
	STORM (YR)	RUNOFF (cfs)	HEADWATER ELEV (ft)
DESIGN	25	119.14	788.70
CHECK	100	140.22	789.30

STA. 251+97.73 - 60" CULVERT PIPE @ 03°42'01" SKEW LT.
W/ 2 - 60" HDWLS.

SCALE: 1" = 50' HORIZONTAL
1" = 5' VERTICAL

796.3 | 796.4 | 796.2 | 795.9 | 795.8 | 795.5
797.44 | 797.12 | 796.80 | 796.47 | 796.15 | 795.83

252+50 | 253+00 | 253+50 | 254+00 | 254+50 | 255+00

789.7 | 796.7 | 801.6 | 803.8 | 804.3 | 805.2 | 804.9 | 802.3 | 801.4 | 799.2 | 792.4 | 789.2 | 797.7 | 798.7 | 799.8 | 799.0 | 798.2 | 797.8 | 797.7 | 797.6 | 797.3 | 796.4 | 795.0 | 795.0 | 795.5
799.21 | 800.08 | 800.83 | 801.45 | 801.94 | 802.31 | 802.55 | 802.67 | 802.66 | 802.53 | 802.27 | 801.95 | 801.62 | 801.30 | 800.98 | 800.66 | 800.34 | 800.01 | 799.69 | 799.37 | 799.05 | 798.73 | 798.41 | 798.08 | 797.76

240+00 | 240+50 | 241+00 | 241+50 | 242+00 | 242+50 | 243+00 | 243+50 | 244+00 | 244+50 | 245+00 | 245+50 | 246+00 | 246+50 | 247+00 | 247+50 | 248+00 | 248+50 | 249+00 | 249+50 | 250+00 | 250+50 | 251+00 | 251+50 | 252+00

PROFILE SHEET
KY 146 RELOCATION
STA. 240+00 TO STA. 255+00

FILE NAME: I:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1\SHEETS\PROFILES\R02400PR.DGN
USER: TRobinson
DATE PLOTTED: December 8, 2014
E-SHEET NAME:
MicroStation v8.11.7.443

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-8300.00	R025

DITCH CONSTRUCTION - LEFT			
STATION	SIZE-SHAPE TYPE	LINING TYPE	LINING QUANTITY
255+00 TO 257+40.55*	SPL. 2' F.B. DT.	TRM I	389 S.Y.
257+62.65 ENTR. LT.	SPL. 2' F.B. DT.	ECB	88 S.Y.
257+62.65 ENTR. RT.	SPL. 2' F.B. DT.	ECB	86 S.Y.
257+86.55 TO 258+19.14	SPL. 2' F.B. DT.	TRM I	39 S.Y.
258+19.14	2' F.B. INLET	TRM II	24 S.Y.
258+19.14 TO 259+00	SPL. 2' F.B. DT.	ECB	132 S.Y.
259+00 TO 261+23.07	NORMAL DT.	ECB	360 S.Y.
261+43.45 ENTR. LT.	SPL. 2' F.B. DT.	TRM I	15 S.Y.
261+43.45 ENTR. RT.	SPL. 2' F.B. DT.	TRM I	37 S.Y.
261+63.07 TO 262+50	SPL. 2' F.B. DT.	ECB	140 S.Y.
262+50 TO 262+84.46	SPL. 2' F.B. DT.	TRM I	36 S.Y.
263+25.29 TO 263+44.22	SPL. 2' F.B. DT.	TRM I	19 S.Y.
263+44.34*	2' F.B. INLET	TRM 4	32 S.Y.
263+44.22 TO 265+64.99	SPL. 2' F.B. DT.	ECB	283 S.Y.
266+84.60	2' F.B. OUTLET	CL. II	48 TONS

* - DEPTH TO PROTECT = 1.5'

ENTRANCE CONSTRUCTION - LEFT									
STATION	ENTRANCE TYPE	ENTR. WIDTH (FT)	AREA (SQ YD)	CEM. CONC. ENT. PVMT. 8" (SQ. YDS.)	ASPHALT SURFACE (TONS)	ASPHALT BASE (TONS)	CSB (TONS)	ENTR. PIPE (FT)	HDWL
257+63	RESIDENTIAL	14.6	146	- -	10	26	35	46' of 24" PIPE	- -
261+43	RESIDENTIAL	12	187	- -	13	34	46	40' of 15" PIPE	- -
263+03	RESIDENTIAL	12	60	60	- -	- -	16	41' of 18" PIPE	- -
265+94	RESIDENTIAL	12	58	- -	4	11	14	- -	- -

R/W MONUMENT - TYPE 1

LT. STA. 255+00 TO STA. 270+00, CONST. 7

ISLAND HEADER CURB TY 2

LT. STA. 266+94.27 TO STA. 267+11.35, CONST. 17.25 L.F.

LT. STA. 268+08.80 TO STA. 268+33.80, CONST. 25.00 L.F.

REMOVE GUARDRAIL

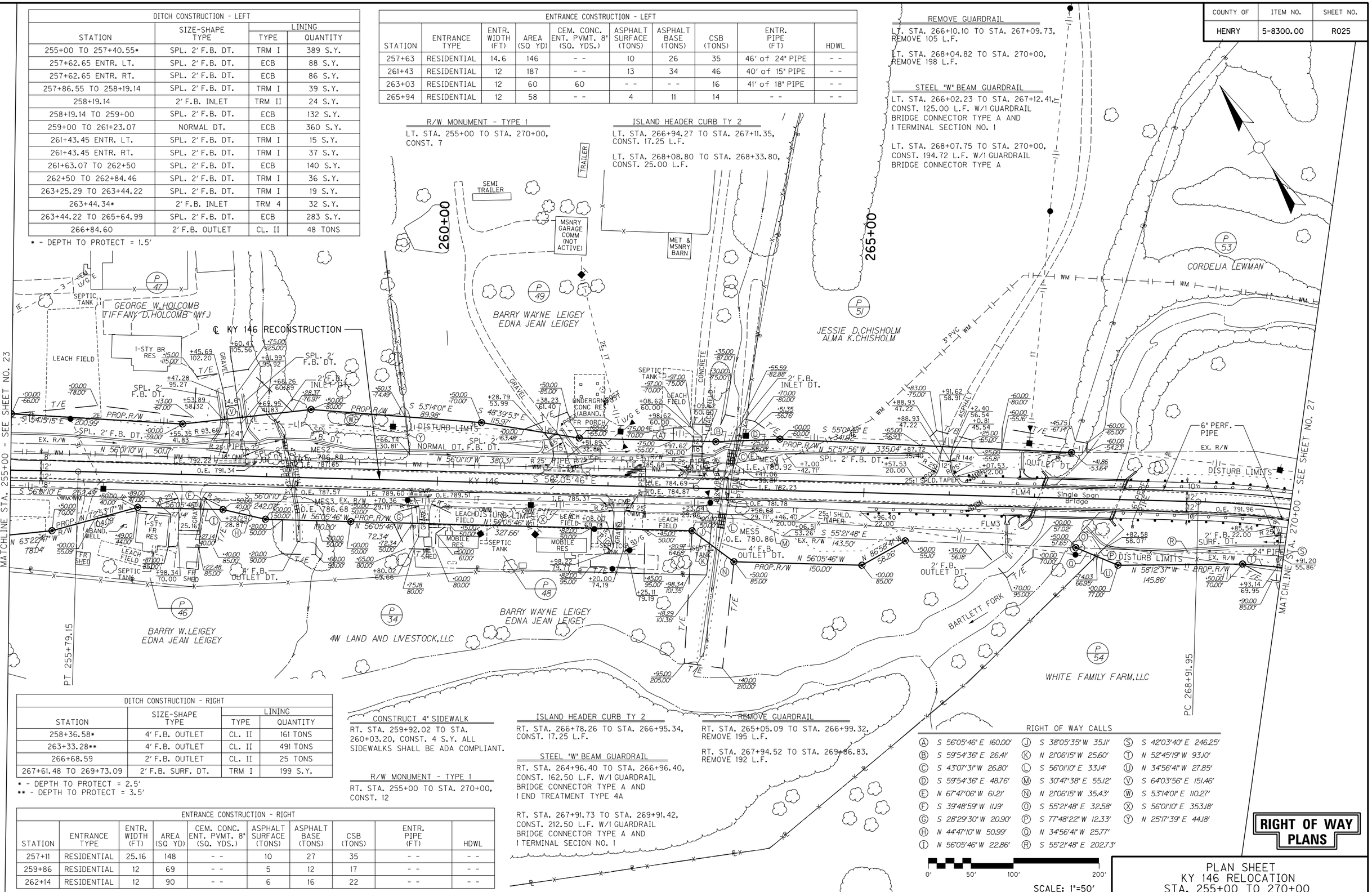
LT. STA. 266+10.10 TO STA. 267+09.73, REMOVE 105 L.F.

LT. STA. 268+04.82 TO STA. 270+00, REMOVE 198 L.F.

STEEL "W" BEAM GUARDRAIL

LT. STA. 266+02.23 TO STA. 267+12.41, CONST. 125.00 L.F. W/1 GUARDRAIL BRIDGE CONNECTOR TYPE A AND 1 TERMINAL SECTION NO. 1

LT. STA. 268+07.75 TO STA. 270+00, CONST. 194.72 L.F. W/1 GUARDRAIL BRIDGE CONNECTOR TYPE A



DITCH CONSTRUCTION - RIGHT			
STATION	SIZE-SHAPE TYPE	LINING TYPE	LINING QUANTITY
258+36.58*	4' F.B. OUTLET	CL. II	161 TONS
263+33.28**	4' F.B. OUTLET	CL. II	491 TONS
266+68.59	2' F.B. OUTLET	CL. II	25 TONS
267+61.48 TO 269+73.09	2' F.B. SURF. DT.	TRM I	199 S.Y.

* - DEPTH TO PROTECT = 2.5'
** - DEPTH TO PROTECT = 3.5'

CONSTRUCT 4" SIDEWALK

RT. STA. 259+92.02 TO STA. 260+03.20, CONST. 4 S.Y. ALL SIDEWALKS SHALL BE ADA COMPLIANT.

R/W MONUMENT - TYPE 1

RT. STA. 255+00 TO STA. 270+00, CONST. 12

ISLAND HEADER CURB TY 2

RT. STA. 266+78.26 TO STA. 266+95.34, CONST. 17.25 L.F.

STEEL "W" BEAM GUARDRAIL

RT. STA. 264+96.40 TO STA. 266+96.40, CONST. 162.50 L.F. W/1 GUARDRAIL BRIDGE CONNECTOR TYPE A AND 1 END TREATMENT TYPE 4A

RT. STA. 267+91.73 TO STA. 269+91.42, CONST. 212.50 L.F. W/1 GUARDRAIL BRIDGE CONNECTOR TYPE A AND 1 TERMINAL SECION NO. 1

REMOVE GUARDRAIL

RT. STA. 265+05.09 TO STA. 266+99.32, REMOVE 195 L.F.

RT. STA. 267+94.52 TO STA. 269+86.83, REMOVE 192 L.F.

ENTRANCE CONSTRUCTION - RIGHT									
STATION	ENTRANCE TYPE	ENTR. WIDTH (FT)	AREA (SQ YD)	CEM. CONC. ENT. PVMT. 8" (SQ. YDS.)	ASPHALT SURFACE (TONS)	ASPHALT BASE (TONS)	CSB (TONS)	ENTR. PIPE (FT)	HDWL
257+11	RESIDENTIAL	25.16	148	- -	10	27	35	- -	- -
259+86	RESIDENTIAL	12	69	- -	5	12	17	- -	- -
262+14	RESIDENTIAL	12	90	- -	6	16	22	- -	- -

RIGHT OF WAY CALLS

Ⓐ S 56°05'46" E 160.00'	Ⓙ S 38°05'35" W 35.11'	Ⓢ S 42°03'40" E 246.25'	
Ⓑ S 59°54'36" E 26.41'	Ⓚ N 21°06'15" W 25.60'	Ⓣ N 52°45'19" W 93.10'	
Ⓒ S 43°07'31" W 26.80'	Ⓛ S 56°01'10" E 33.14'	Ⓤ N 34°56'41" W 27.85'	
Ⓓ S 59°54'36" E 48.76'	Ⓜ S 30°47'38" E 55.12'	Ⓥ S 64°03'56" E 151.46'	
Ⓔ N 67°47'06" W 61.21'	Ⓝ N 21°06'15" W 35.43'	Ⓦ S 53°14'01" E 110.27'	
Ⓕ S 39°48'59" W 11.19'	Ⓞ S 55°21'48" E 32.58'	Ⓧ S 56°01'10" E 353.18'	
Ⓖ S 28°29'30" W 20.90'	Ⓟ S 77°48'22" W 12.33'	Ⓨ N 25°17'39" E 44.18'	
Ⓗ N 44°47'10" W 50.99'	Ⓠ N 34°56'41" W 25.77'		
Ⓘ N 56°05'46" W 22.86'	Ⓡ S 55°21'48" E 202.73'		

0' 50' 100' 200'

SCALE: 1"=50'

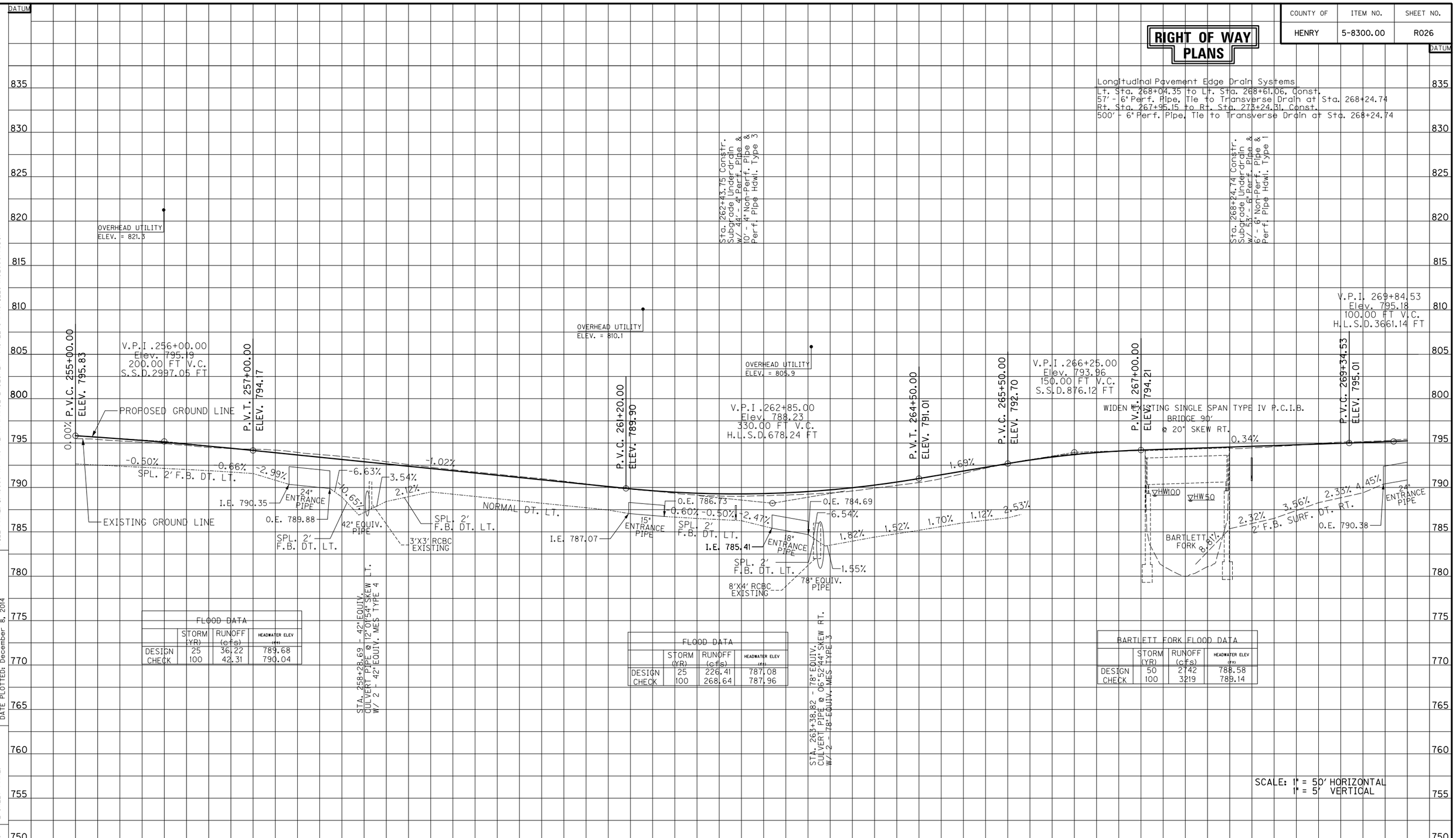
RIGHT OF WAY PLANS

PLAN SHEET
KY 146 RELOCATION
STA. 255+00 TO 270+00

FILE NAME: I:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1\SENT\2014-12-12 ROW SET\PLAN\R02500PL.DGN
USER: TRobinson
DATE PLOTTED: December 8, 2014
E-SHEET NAME:
MicroStation v8.11.7.443

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-8300.00	R026

RIGHT OF WAY PLANS



FLOOD DATA	STORM (YR)	RUNOFF (cfs)	HEADWATER ELEV (ft)
DESIGN	25	36.22	789.68
CHECK	100	42.31	790.04

FLOOD DATA	STORM (YR)	RUNOFF (cfs)	HEADWATER ELEV (ft)
DESIGN	25	226.41	787.08
CHECK	100	268.64	787.96

BARTLETT FORK FLOOD DATA	STORM (YR)	RUNOFF (cfs)	HEADWATER ELEV (ft)
DESIGN	50	2742	788.58
CHECK	100	3219	789.14

PROFILE SHEET
KY 146 RELOCATION
STA. 255+00 TO STA. 270+00

FILE NAME: I:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1\SHEETS\PROFILES\R026OOPR.DGN
USER: TRobinson
DATE PLOTTED: December 8, 2014
E-SHEET NAME:
MicroStation v8.11.7.443

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-8300.00	R027

RIGHT OF WAY PLANS

P.I. STA. 273+63.35
Delta = 52°04'15.70" RT.
T = 471.40'
L = 877.00'
R = 965.00'
E = 108.99'
e = 8.0%
RUNOFF = 204.26'
RUNOUT = 51.06'

ENTRANCE CONSTRUCTION - LEFT									
STATION	ENTRANCE TYPE	ENTR. WIDTH (FT)	AREA (SQ YD)	CEM. CONC. ENT. PVMT. 8" (SQ. YDS.)	ASPHALT SURFACE (TONS)	ASPHALT BASE (TONS)	CSB (TONS)	ENTR. PIPE (FT)	HDWL
272+08	RESIDENTIAL	12.5	58	- -	4	10	14	- -	- -

DITCH CONSTRUCTION - LEFT			
STATION	SIZE-SHAPE TYPE	LINING	
		TYPE	QUANTITY
278+06	4' F.B. OUTLET	CL. III	40 TONS

STEEL "W" BEAM GUARDRAIL

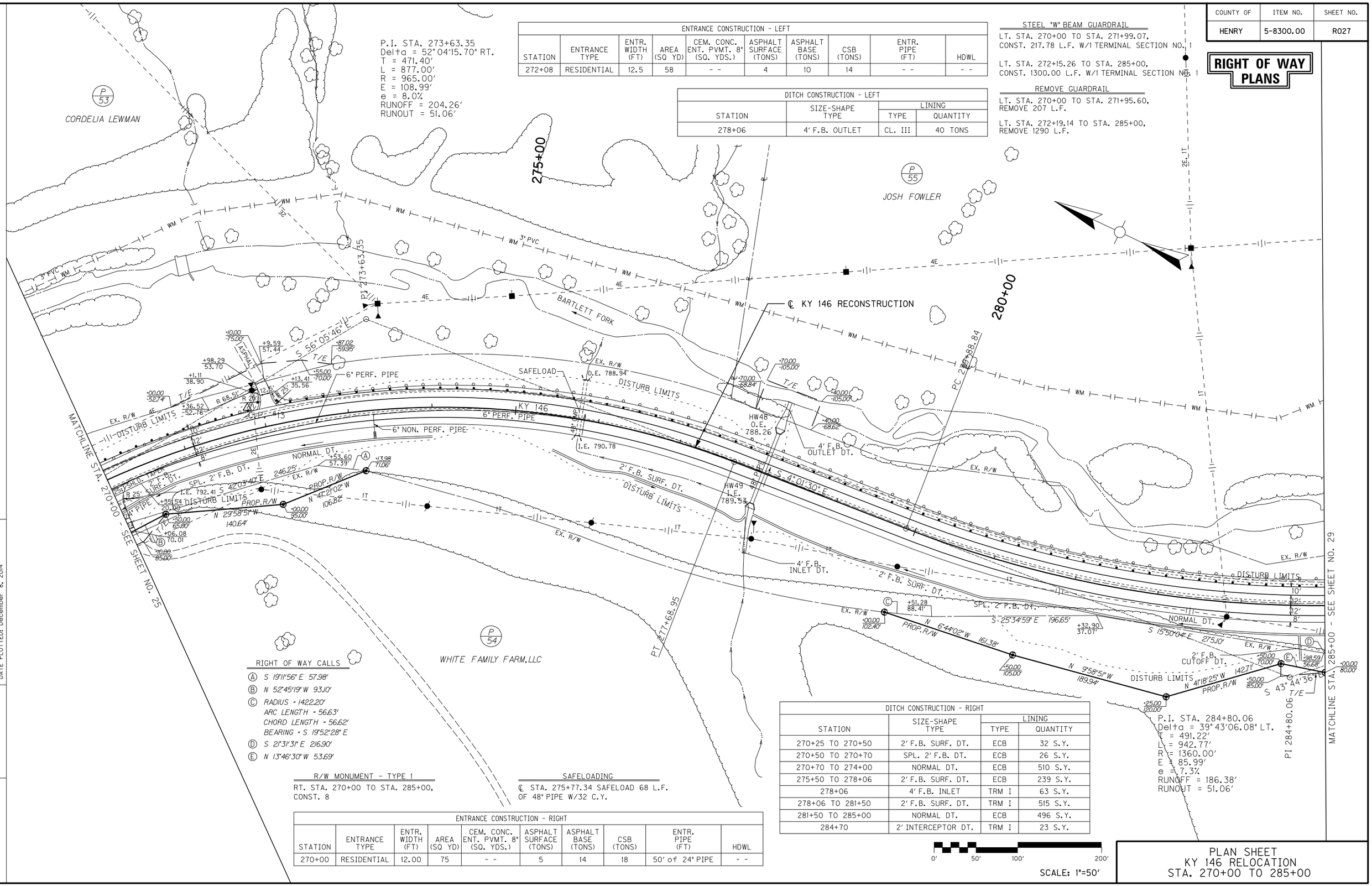
LT. STA. 270+00 TO STA. 271+99.07,
CONST. 217.78 L.F. W/1 TERMINAL SECTION NO. 1

LT. STA. 272+15.26 TO STA. 285+00,
CONST. 1300.00 L.F. W/1 TERMINAL SECTION NO. 1

REMOVE GUARDRAIL

LT. STA. 270+00 TO STA. 271+95.60,
REMOVE 207 L.F.

LT. STA. 272+19.14 TO STA. 285+00,
REMOVE 1290 L.F.



RIGHT OF WAY CALLS

Ⓐ S 19°11'56" E 57.98'
Ⓑ N 52°45'19" W 93.10'
Ⓒ RADIUS = 1422.20'
ARC LENGTH = 56.63'
CHORD LENGTH = 56.62'
BEARING = S 19°52'28" E
Ⓓ S 21°31'31" E 216.90'
Ⓔ N 13°46'30" W 53.69'

R/W MONUMENT - TYPE 1

RT. STA. 270+00 TO STA. 285+00,
CONST. 8

SAFELOADING

℄ STA. 275+77.34 SAFELOAD 68 L.F.
OF 48" PIPE W/32 C.Y.

ENTRANCE CONSTRUCTION - RIGHT									
STATION	ENTRANCE TYPE	ENTR. WIDTH (FT)	AREA (SQ YD)	CEM. CONC. ENT. PVMT. 8" (SQ. YDS.)	ASPHALT SURFACE (TONS)	ASPHALT BASE (TONS)	CSB (TONS)	ENTR. PIPE (FT)	HDWL
270+00	RESIDENTIAL	12.00	75	- -	5	14	18	50' of 24" PIPE	- -

DITCH CONSTRUCTION - RIGHT			
STATION	SIZE-SHAPE TYPE	LINING	
		TYPE	QUANTITY
270+25 TO 270+50	2' F.B. SURF. DT.	ECB	32 S.Y.
270+50 TO 270+70	SPL. 2' F.B. DT.	ECB	26 S.Y.
270+70 TO 274+00	NORMAL DT.	ECB	510 S.Y.
275+50 TO 278+06	2' F.B. SURF. DT.	ECB	239 S.Y.
278+06	4' F.B. INLET	TRM I	63 S.Y.
278+06 TO 281+50	2' F.B. SURF. DT.	TRM I	515 S.Y.
281+50 TO 285+00	NORMAL DT.	ECB	496 S.Y.
284+70	2' INTERCEPTOR DT.	TRM I	23 S.Y.

P.I. STA. 284+80.06
Delta = 39°43'06.08" LT.
T = 491.22'
L = 942.77'
R = 1360.00'
E = 85.99'
e = 7.3%
RUNOFF = 186.38'
RUNOUT = 51.06'

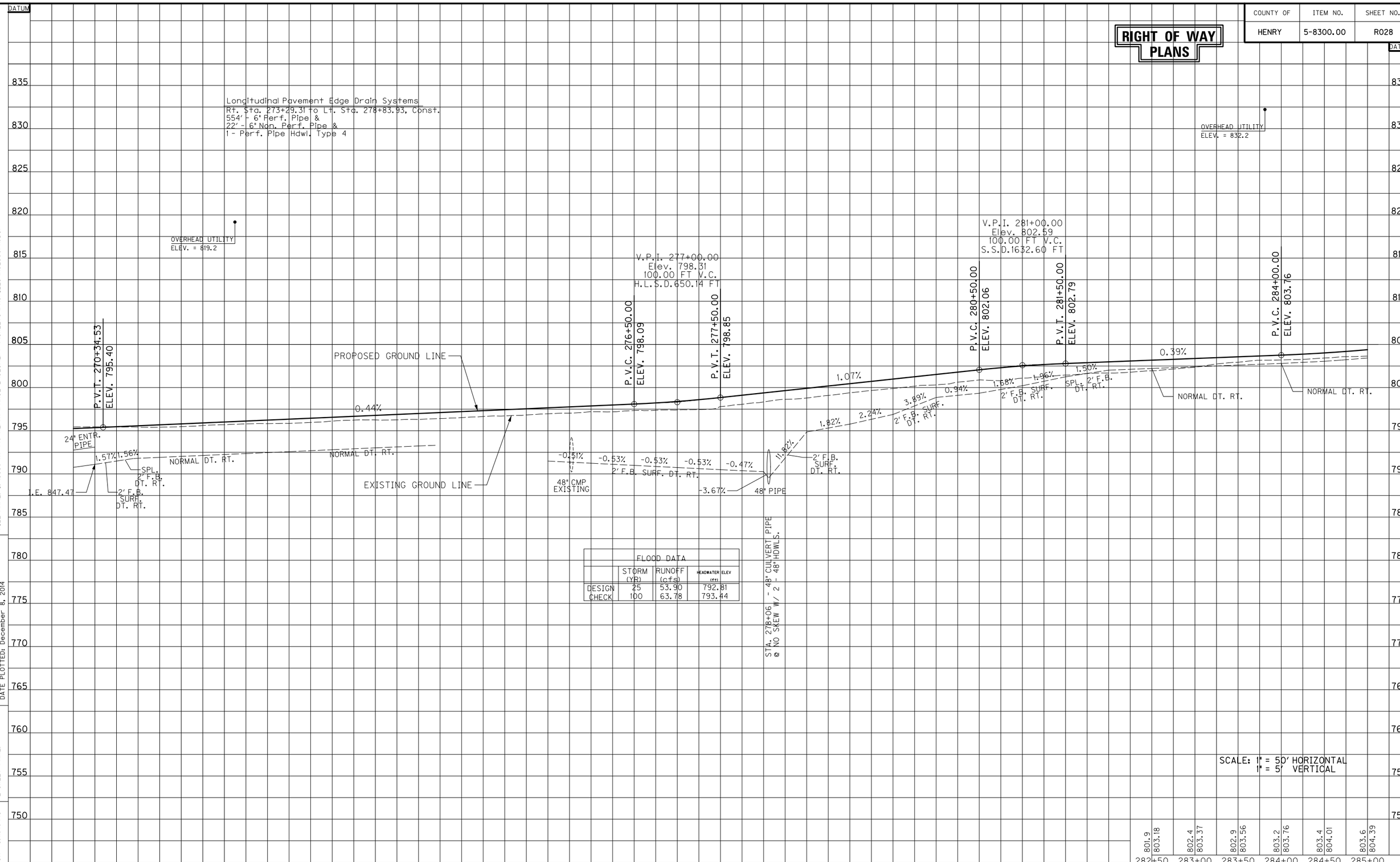
0' 50' 100' 200'
SCALE: 1"=50'

PLAN SHEET
KY 146 RELOCATION
STA. 270+00 TO 285+00

FILE NAME: I:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1\SENT\2014-12-12 ROW SET\PLAN\R02700PL.DGN
USER: TRobinson
DATE PLOTTED: December 8, 2014
E-SHEET NAME:
MicroStation v8.11.7.443

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-8300.00	R028

RIGHT OF WAY PLANS



PROFILE SHEET
KY 146 RELOCATION
STA. 270+00 TO STA. 285+00

FILE NAME: I:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1\SHEETS\PROFILES\R02800PR.DGN

USER: TRobinson
DATE PLOTTED: December 8, 2014

E-SHEET NAME:

MicroStation v8.11.7.443

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-8300.00	R029

STEEL "W" BEAM GUARDRAIL

LT. STA. 285+00 TO STA. 285+38.19,
CONST. I END TREATMENT TYPE 4A

REMOVE GUARDRAIL

LT. STA. 285+00 TO STA. 285+25.31,
REMOVE 25 L.F.

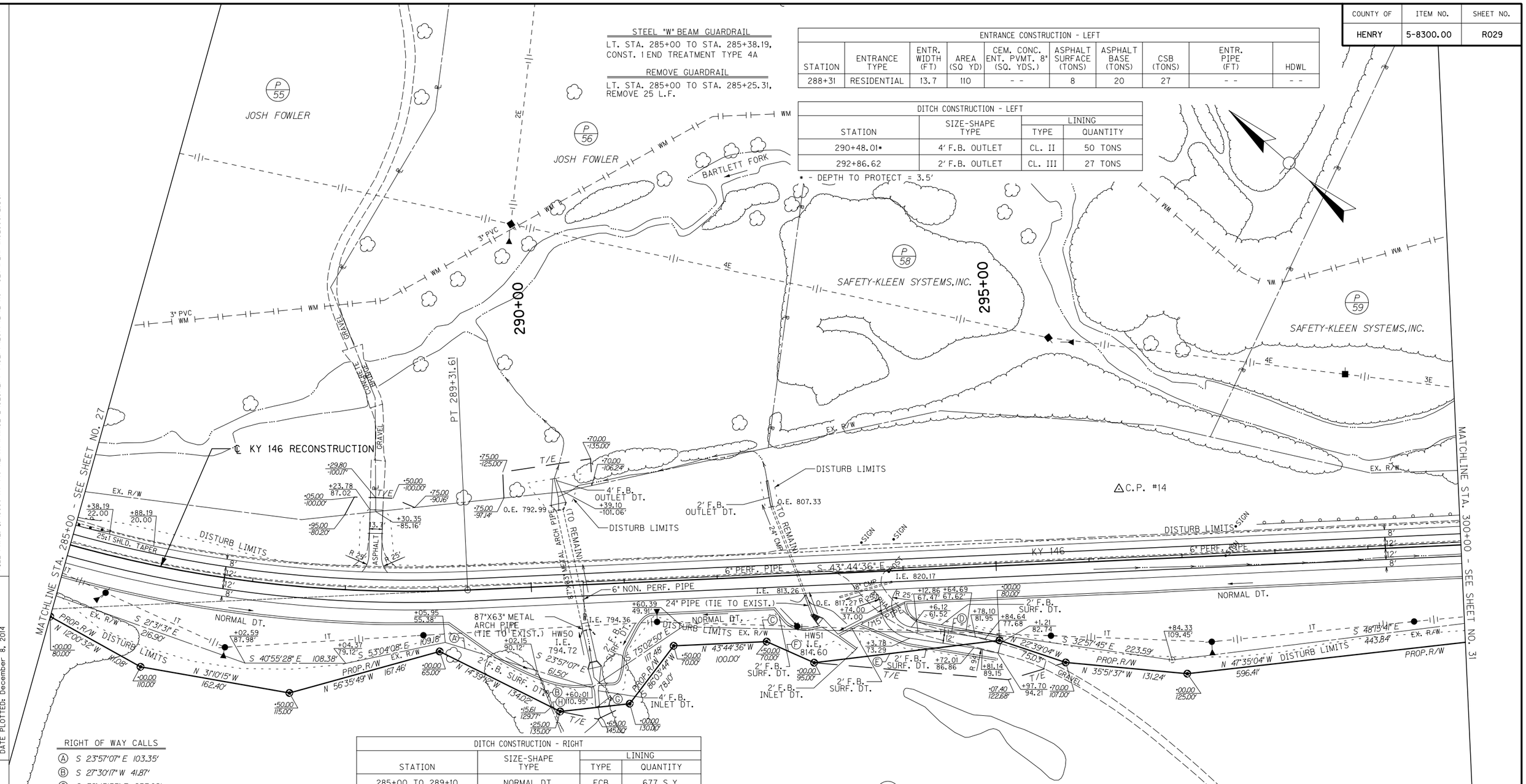
ENTRANCE CONSTRUCTION - LEFT

STATION	ENTRANCE TYPE	ENTR. WIDTH (FT)	AREA (SQ YD)	CEM. CONC. ENT. PVMT. 8" (SQ. YDS.)	ASPHALT SURFACE (TONS)	ASPHALT BASE (TONS)	CSB (TONS)	ENTR. PIPE (FT)	HDWL
288+31	RESIDENTIAL	13.7	110	- -	8	20	27	- -	- -

DITCH CONSTRUCTION - LEFT

STATION	SIZE-SHAPE TYPE	LINING	
		TYPE	QUANTITY
290+48.01*	4' F.B. OUTLET	CL. II	50 TONS
292+86.62	2' F.B. OUTLET	CL. III	27 TONS

* - DEPTH TO PROTECT = 3.5'



RIGHT OF WAY CALLS

- Ⓐ S 23°57'07" E 103.35'
- Ⓑ S 27°30'17" W 41.87'
- Ⓒ S 39°45'55" E 253.08'
- Ⓓ S 43°34'17" E 51.83'
- Ⓔ N 48°01'57" W 200.56'
- Ⓕ N 17°10'42" W 55.90'
- Ⓖ N 47°33'27" W 75.17'
- Ⓗ N 14°39'12" W 10.75'

DITCH CONSTRUCTION - RIGHT

STATION	SIZE-SHAPE TYPE	LINING	
		TYPE	QUANTITY
285+00 TO 289+10	NORMAL DT.	ECB	677 S.Y.
289+10 TO 290+58	2' F.B. SURF. DT.	TRM I	166 S.Y.
290+48.01**	4' F.B. INLET	TRM I	108 S.Y.
290+77 TO 291+30	2' F.B. SURF. DT.	TRM I	84 S.Y.
291+30 TO 292+60	NORMAL DT.	ECB	210 S.Y.
292+60 TO 293+06	2' F.B. SURF. DT.	ECB	68 S.Y.
292+86.62	2' F.B. INLET	TRM I	45 S.Y.
293+30 TO 293+54	2' F.B. SURF. DT.	TRM I	31 S.Y.
294+00 TO 296+10	NORMAL DT.	ECB	338 S.Y.
296+10 TO 300+00*	NORMAL DT.	TRM I	808 S.Y.
ENTR. 293+80 LT	2' F.B. SURF. DT.	TRM I	108 S.Y.
ENTR. 293+80 RT	2' F.B. SURF. DT.	ECB	189 S.Y.

* - DEPTH TO PROTECT = 2.0'
** - DEPTH TO PROTECT = 3.0'

R/W MONUMENT - TYPE 1

RT. STA. 285+00 TO STA. 300+00,
CONST. 11

ENTRANCE CONSTRUCTION - RIGHT

STATION	ENTRANCE TYPE	ENTR. WIDTH (FT)	AREA (SQ YD)	CEM. CONC. ENT. PVMT. 8" (SQ. YDS.)	ASPHALT SURFACE (TONS)	ASPHALT BASE (TONS)	CSB (TONS)	ENTR. PIPE (FT)	HDWL
293+80	RESIDENTIAL	12	216	- -	15	39	53	50' of 15" PIPE	- -

0' 50' 100' 200'

SCALE: 1"=50'

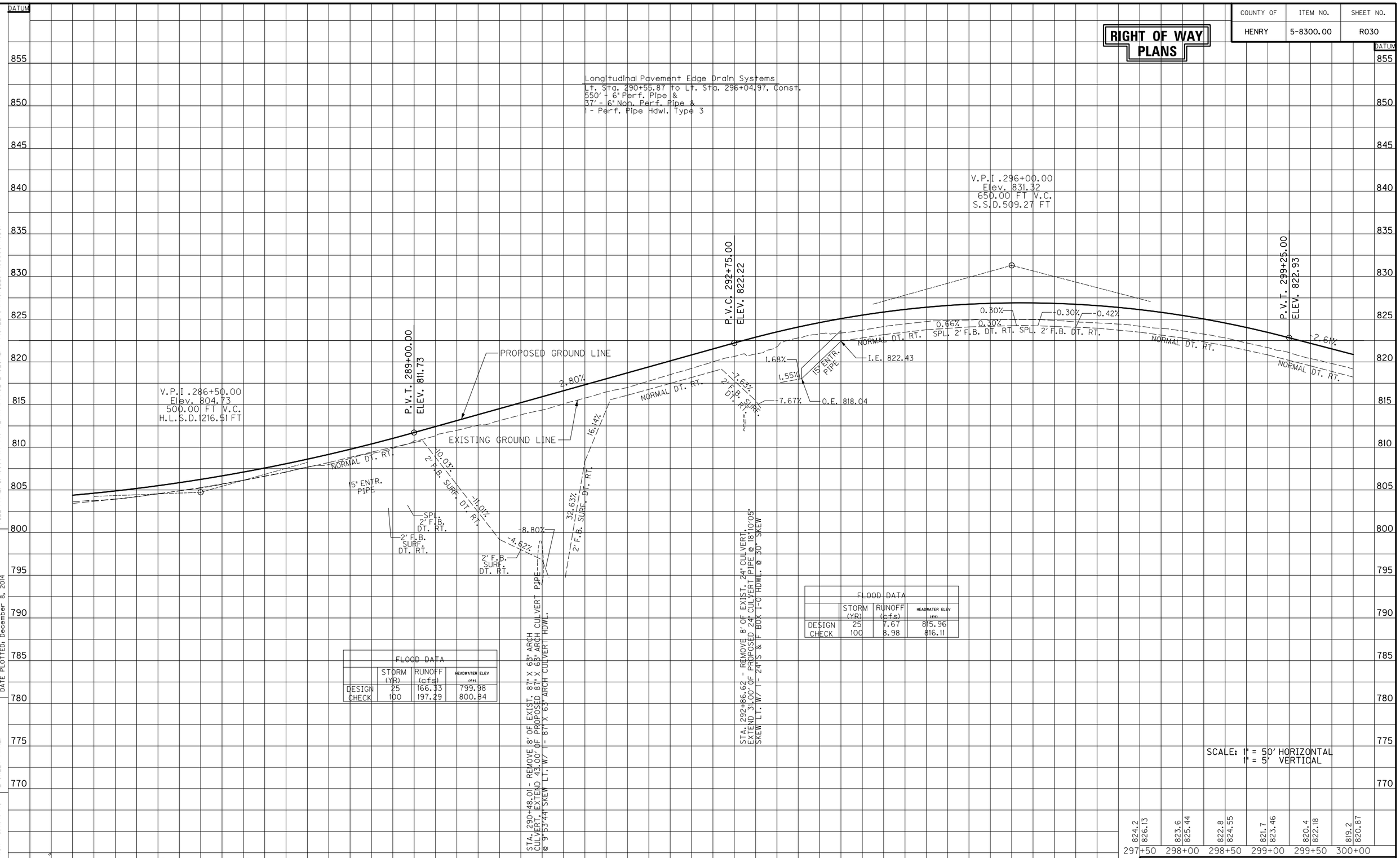
RIGHT OF WAY PLANS

PLAN SHEET
KY 146 RELOCATION
STA. 285+00 TO STA. 300+00

FILE NAME: I:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1\SENT\2014-12-12 ROW SET\PLAN\R02900PL.DGN
USER: TRobinson
DATE PLOTTED: December 8, 2014
E-SHEET NAME:
MicroStation v8.11.7.443

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-8300.00	R030

RIGHT OF WAY PLANS



FLOOD DATA

	STORM (YR)	RUNOFF (cfs)	HEADWATER ELEV (ft)
DESIGN	25	166.33	799.98
CHECK	100	197.29	800.84

FLOOD DATA

	STORM (YR)	RUNOFF (cfs)	HEADWATER ELEV (ft)
DESIGN	25	7.67	815.96
CHECK	100	8.98	816.11

PROFILE SHEET
KY 146 RELOCATION
STA. 285+00 TO STA. 300+00

FILE NAME: I:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1\SHEETS\PROFILES\R03000PR.DGN
USER: TRobinson
DATE PLOTTED: December 8, 2014
E-SHEET NAME:
MicroStation v8.11.7.443

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-8300.00	R031

RIGHT OF WAY PLANS

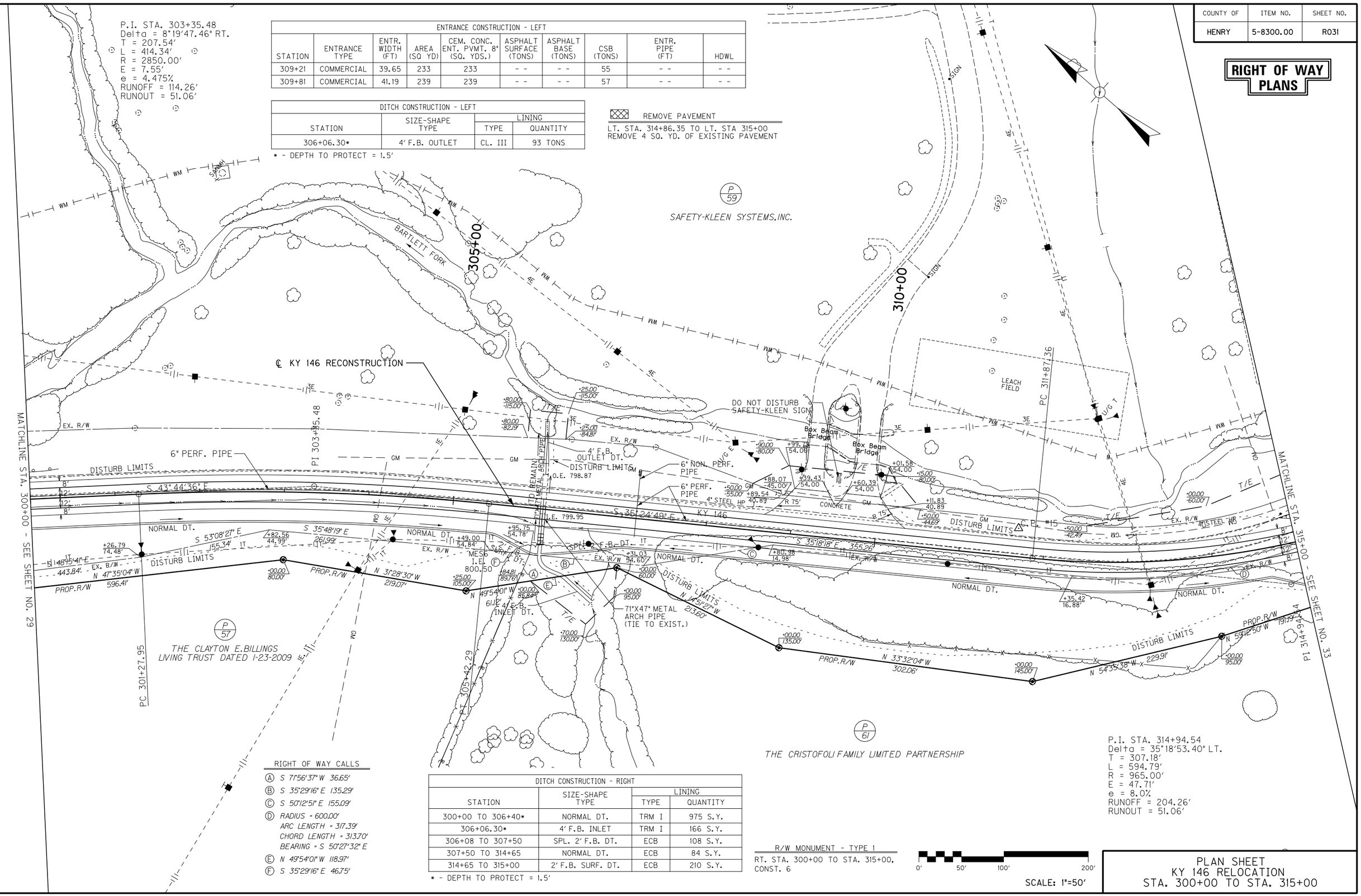
P.I. STA. 303+35.48
Delta = 8°19'47.46" RT.
T = 207.54'
L = 414.34'
R = 2850.00'
E = 7.55'
e = 4.475%
RUNOFF = 114.26'
RUNOUT = 51.06'

ENTRANCE CONSTRUCTION - LEFT									
STATION	ENTRANCE TYPE	ENTR. WIDTH (FT)	AREA (SQ YD)	CEM. CONC. ENT. PVMT. 8" (SQ. YDS.)	ASPHALT SURFACE (TONS)	ASPHALT BASE (TONS)	CSB (TONS)	ENTR. PIPE (FT)	HDWL
309+21	COMMERCIAL	39.65	233	233	- -	- -	55	- -	- -
309+81	COMMERCIAL	41.19	239	239	- -	- -	57	- -	- -

DITCH CONSTRUCTION - LEFT			
STATION	SIZE-SHAPE TYPE	LINING	
		TYPE	QUANTITY
306+06.30*	4' F.B. OUTLET	CL. III	93 TONS

* - DEPTH TO PROTECT = 1.5'

REMOVE PAVEMENT
LT. STA. 314+86.35 TO LT. STA 315+00
REMOVE 4 SQ. YD. OF EXISTING PAVEMENT



RIGHT OF WAY CALLS

- Ⓐ S 71°56'37" W 36.65'
- Ⓑ S 35°29'16" E 135.29'
- Ⓒ S 50°12'51" E 155.09'
- Ⓓ RADIUS = 600.00'
  ARC LENGTH = 317.39'
  CHORD LENGTH = 313.70'
  BEARING = S 50°27'32" E
- Ⓔ N 49°54'01" W 118.97'
- Ⓕ S 35°29'16" E 46.75'

DITCH CONSTRUCTION - RIGHT			
STATION	SIZE-SHAPE TYPE	LINING	
		TYPE	QUANTITY
300+00 TO 306+40*	NORMAL DT.	TRM I	975 S.Y.
306+06.30*	4' F.B. INLET	TRM I	166 S.Y.
306+08 TO 307+50	SPL. 2' F.B. DT.	ECB	108 S.Y.
307+50 TO 314+65	NORMAL DT.	ECB	84 S.Y.
314+65 TO 315+00	2' F.B. SURF. DT.	ECB	210 S.Y.

* - DEPTH TO PROTECT = 1.5'

P.I. STA. 314+94.54
Delta = 35°18'53.40" LT.
T = 307.18'
L = 594.79'
R = 965.00'
E = 47.71'
e = 8.0%
RUNOFF = 204.26'
RUNOUT = 51.06'

R/W MONUMENT - TYPE 1
RT. STA. 300+00 TO STA. 315+00.
CONST. 6

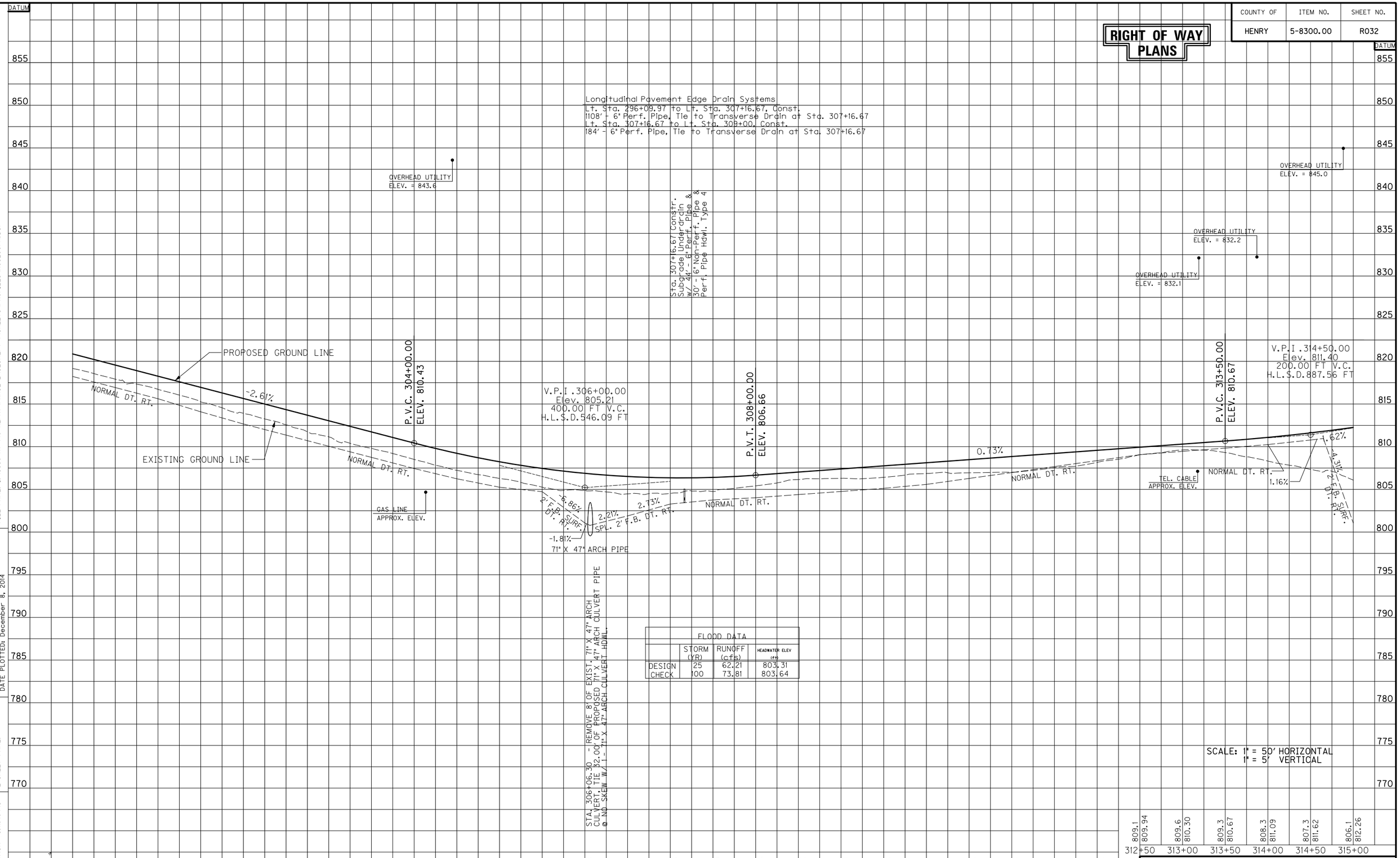
0' 50' 100' 200'
SCALE: 1"=50'

PLAN SHEET
KY 146 RELOCATION
STA. 300+00 TO STA. 315+00

MicroStation v8.11.7.443 | E-SHEET NAME: | USER: TRobinson DATE PLOTTED: December 8, 2014 | FILE NAME: I:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1\SENT\2014-12-12 ROW SET\PLAN\R0310OPL.DGN

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-8300.00	R032

RIGHT OF WAY PLANS



PROFILE SHEET
KY 146 RELOCATION
STA. 300+00 TO STA. 315+00

FILE NAME: I:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1\SHEETS\PROFILES\R03200PR.DGN
USER: TRobinson
DATE PLOTTED: December 8, 2014
E-SHEET NAME:
MicroStation v8.11.7.443

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-8300.00	R033

RIGHT OF WAY PLANS

DITCH CONSTRUCTION - LEFT			
STATION	SIZE-SHAPE TYPE	LINING TYPE	LINING QUANTITY
315+11.68*	3' F.B. OUTLET	CL. III	27 TONS
321+80.65	2' F.B. OUTLET	CL. III	24 TONS
324+20 TO 325+00	2' F.B. SURF. DT.	CL. III	83 TONS
325+00	2' F.B. OUTLET	CL. III	40 TONS
325+00 TO 327+50	2' F.B. SURF. DT.	ECB	317 S.Y.
327+50 TO 330+00	SPL. 2' F.B. DT.	ECB	397 S.Y.

* - DEPTH TO PROTECT = 1.5'

REMOVE GUARDRAIL

LT. STA. 316+64.01 TO STA. 323+61.84, REMOVE 693 L.F.

LT. STA. 325+03.42 TO STA. 327+22.71, REMOVE 218 L.F.

REMOVE PAVEMENT

LT. STA. 315+00 TO LT. STA 315+09.36 REMOVE 6 SQ. YD. OF EXISTING PAVEMENT

LT. STA. 315+18.20 TO LT. STA 319+29.31 REMOVE 578 SQ. YD. OF EXISTING PAVEMENT

STEEL "W" BEAM GUARDRAIL

LT. STA. 320+66.46 TO STA. 323+54.67, CONST. 250.00 L.F. W/1 GUARDRAIL BRIDGE CONNECTOR TYPE A AND 1 END TREATMENT TYPE 4A

LT. STA. 324+96.73 TO STA. 327+75.00, CONST. 237.50 L.F. W/1 GUARDRAIL BRIDGE CONNECTOR TYPE A AND 1 END TREATMENT TYPE 4A

R/W MONUMENT - TYPE 1

LT. STA. 315+00 TO STA. 330+00, CONST. 2

ISLAND HEADER CURB TY 2

LT. STA. 324+96.73 TO STA. 325+13.70, CONST. 17.00 L.F.

RIGHT OF WAY CALLS

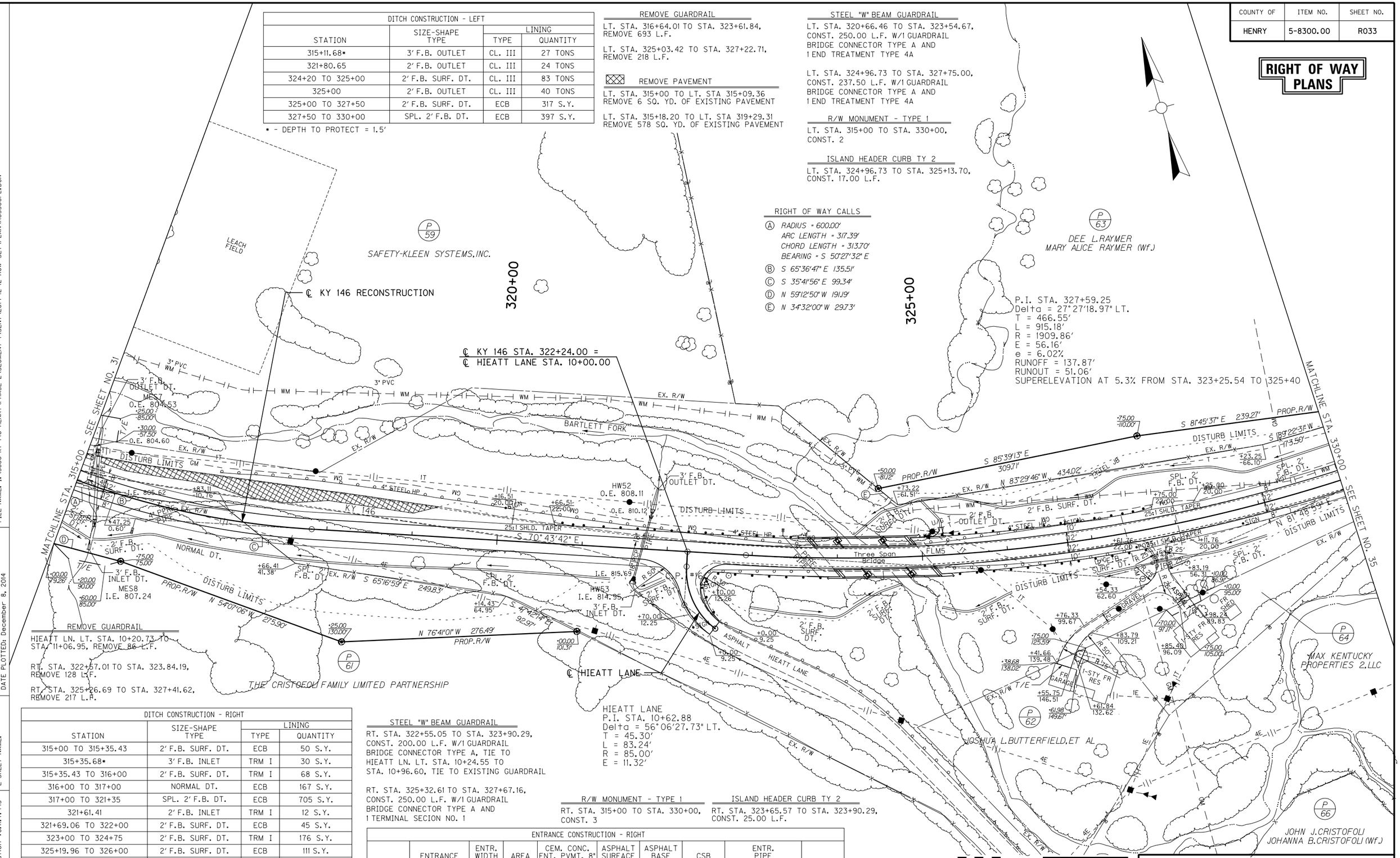
Ⓐ RADIUS = 600.00'
ARC LENGTH = 317.39'
CHORD LENGTH = 313.70'
BEARING = S 50°27'32" E

Ⓑ S 65°36'47" E 135.51'

Ⓒ S 35°41'56" E 99.34'

Ⓓ N 59°12'50" W 191.19'

Ⓔ N 34°32'00" W 29.73'



REMOVE GUARDRAIL

HIEATT LN. LT. STA. 10+20.73 TO STA. 11+06.95, REMOVE 86 L.F.

RT. STA. 322+57.01 TO STA. 323.84.19, REMOVE 128 L.F.

RT. STA. 325+26.69 TO STA. 327+41.62, REMOVE 217 L.F.

DITCH CONSTRUCTION - RIGHT			
STATION	SIZE-SHAPE TYPE	LINING TYPE	LINING QUANTITY
315+00 TO 315+35.43	2' F.B. SURF. DT.	ECB	50 S.Y.
315+35.68*	3' F.B. INLET	TRM I	30 S.Y.
315+35.43 TO 316+00	2' F.B. SURF. DT.	TRM I	68 S.Y.
316+00 TO 317+00	NORMAL DT.	ECB	167 S.Y.
317+00 TO 321+35	SPL. 2' F.B. DT.	ECB	705 S.Y.
321+61.41	2' F.B. INLET	TRM I	12 S.Y.
321+69.06 TO 322+00	2' F.B. SURF. DT.	ECB	45 S.Y.
323+00 TO 324+75	2' F.B. SURF. DT.	TRM I	176 S.Y.
325+19.96 TO 326+00	2' F.B. SURF. DT.	ECB	111 S.Y.
327+00 TO 327+51.92	2' F.B. SURF. DT.	ECB	68 S.Y.
327+96.96 TO 329+00	SPL. 2' F.B. DT.	ECB	170 S.Y.

* - DEPTH TO PROTECT = 1.5'

STEEL "W" BEAM GUARDRAIL

RT. STA. 322+55.05 TO STA. 323+90.29, CONST. 200.00 L.F. W/1 GUARDRAIL BRIDGE CONNECTOR TYPE A, TIE TO HIEATT LN. LT. STA. 10+24.55 TO STA. 10+96.60, TIE TO EXISTING GUARDRAIL

RT. STA. 325+32.61 TO STA. 327+67.16, CONST. 250.00 L.F. W/1 GUARDRAIL BRIDGE CONNECTOR TYPE A AND 1 TERMINAL SECION NO. 1

R/W MONUMENT - TYPE 1

RT. STA. 315+00 TO STA. 330+00, CONST. 3

ISLAND HEADER CURB TY 2

RT. STA. 323+65.57 TO STA. 323+90.29, CONST. 25.00 L.F.

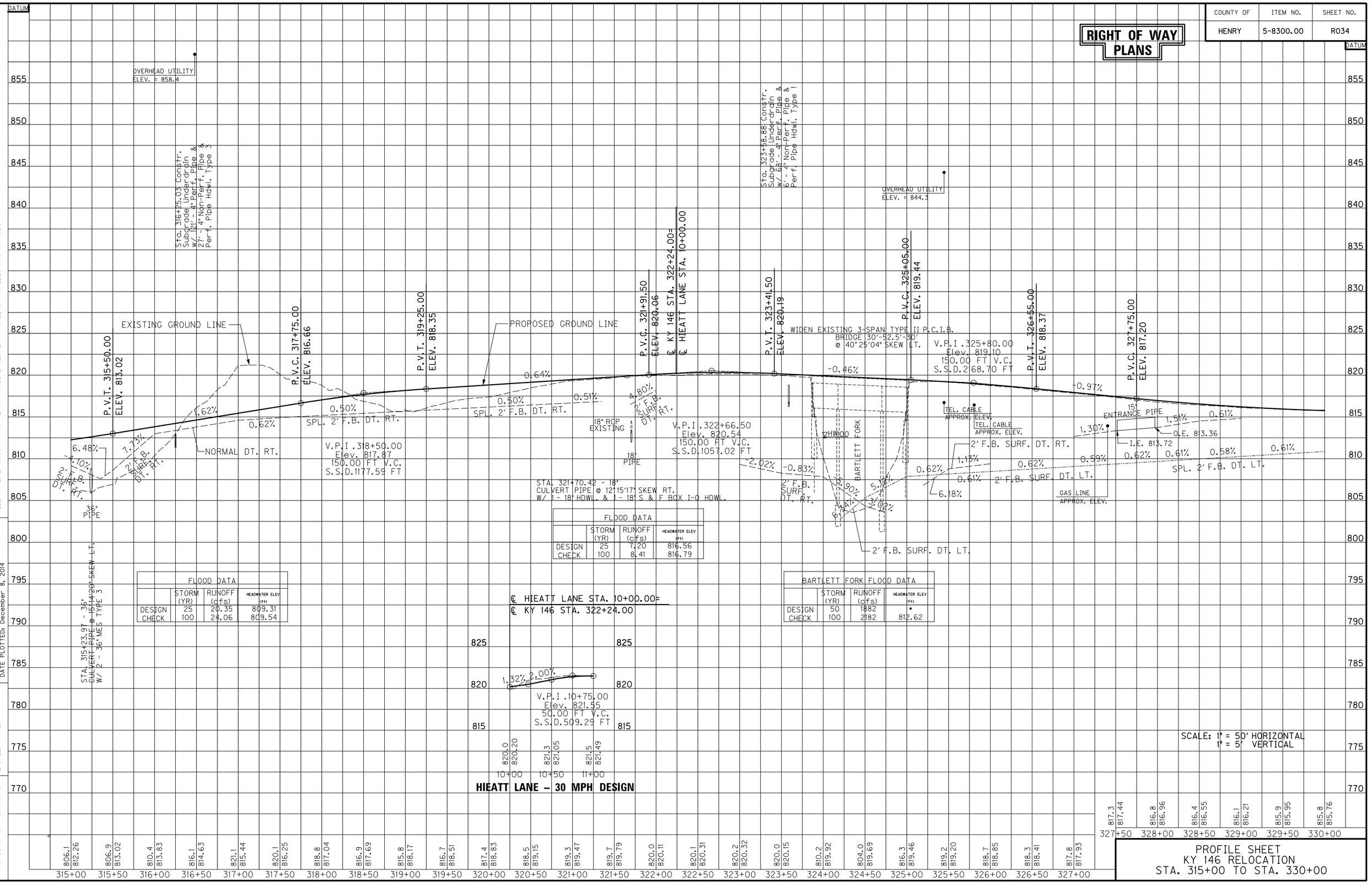
ENTRANCE CONSTRUCTION - RIGHT									
STATION	ENTRANCE TYPE	ENTR. WIDTH (FT)	AREA (SQ YD)	CEM. CONC. ENT. PVMT. 8" (SQ. YDS.)	ASPHALT SURFACE (TONS)	ASPHALT BASE (TONS)	CSB (TONS)	ENTR. PIPE (FT)	HDWL
327+75	RESIDENTIAL	12	364	- -	25	66	88	46' of 15" PIPE	- -

PLAN SHEET
KY 146 RELOCATION
STA. 315+00 TO STA. 330+00

MicroStation v8.11.7.443 E-SHEET NAME: USER: TRobinson DATE PLOTTED: December 8, 2014 FILE NAME: I:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1\SENT\2014-12-12 ROW SET\PLAN\R03300PL.DGN

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-8300.00	R034

RIGHT OF WAY PLANS



FLOOD DATA

	STORM (YR)	RUNOFF (cfs)	HEADWATER ELEV (ft)
DESIGN	25	7.20	816.56
CHECK	100	8.41	816.79

FLOOD DATA

	STORM (YR)	RUNOFF (cfs)	HEADWATER ELEV (ft)
DESIGN	25	20.35	809.31
CHECK	100	24.06	809.54

BARTLETT FORK FLOOD DATA

	STORM (YR)	RUNOFF (cfs)	HEADWATER ELEV (ft)
DESIGN	50	1882	*
CHECK	100	2182	812.62

PROFILE SHEET
KY 146 RELOCATION
STA. 315+00 TO STA. 330+00

FILE NAME: I:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1\SHEETS\PROFILES\R03400PR.DGN
USER: TRobinson
DATE PLOTTED: December 8, 2014
E-SHEET NAME:
MicroStation v8.11.7.443

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-8300.00	R035

RIGHT OF WAY PLANS

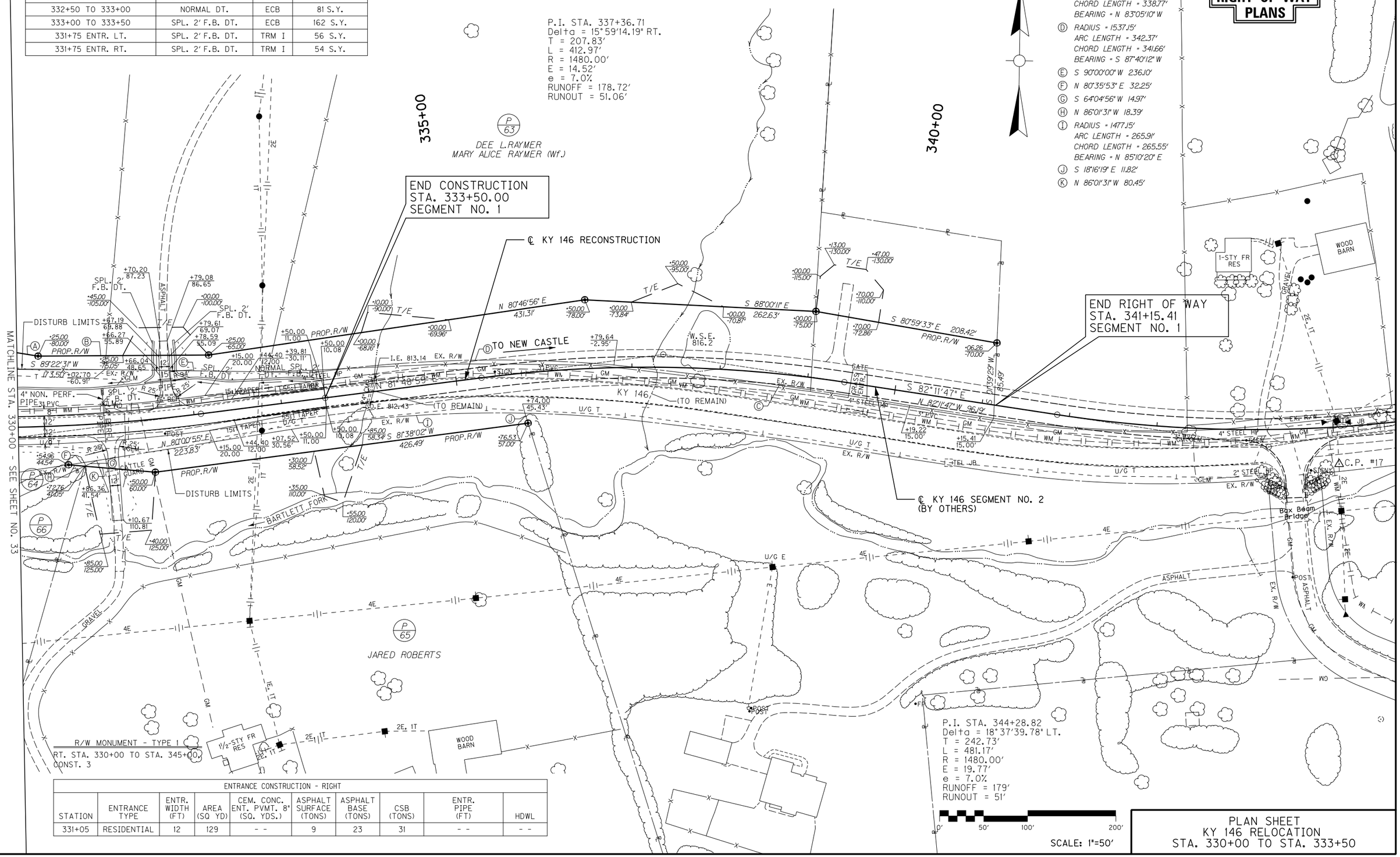
DITCH CONSTRUCTION - LEFT			
STATION	SIZE-SHAPE TYPE	LINING TYPE	LINING QUANTITY
330+00 TO 331+48.05	SPL. 2' F.B. DT.	ECB	234 S.Y.
331+95.07 TO 332+50	SPL. 2' F.B. DT.	ECB	90 S.Y.
332+50 TO 333+00	NORMAL DT.	ECB	81 S.Y.
333+00 TO 333+50	SPL. 2' F.B. DT.	ECB	162 S.Y.
331+75 ENTR. LT.	SPL. 2' F.B. DT.	TRM I	56 S.Y.
331+75 ENTR. RT.	SPL. 2' F.B. DT.	TRM I	54 S.Y.

ENTRANCE CONSTRUCTION - LEFT									
STATION	ENTRANCE TYPE	ENTR. WIDTH (FT)	AREA (SQ YD)	CEM. CONC. ENT. PVMT. 8" (SQ. YDS.)	ASPHALT SURFACE (TONS)	ASPHALT BASE (TONS)	CSB (TONS)	ENTR. PIPE (FT)	HDWL
331+75	RESIDENTIAL	12	94	- -	6	17	23	46' of 15" PIPE	- -

R/W MONUMENT - TYPE 1
LT. STA. 330+00 TO STA. 345+00, CONST. 5

RIGHT OF WAY CALLS

- (A) S 81°45'37" E 239.27'
- (B) N 88°45'26" E 193.49'
- (C) RADIUS = 5437.35'
  ARC LENGTH = 338.83'
  CHORD LENGTH = 338.77'
  BEARING = N 83°05'10" W
- (D) RADIUS = 1537.15'
  ARC LENGTH = 342.37'
  CHORD LENGTH = 341.66'
  BEARING = S 87°40'12" W
- (E) S 90°00'00" W 236.10'
- (F) N 80°35'53" E 32.25'
- (G) S 64°04'56" W 14.97'
- (H) N 86°01'31" W 18.39'
- (I) RADIUS = 1477.15'
  ARC LENGTH = 265.91'
  CHORD LENGTH = 265.55'
  BEARING = N 85°10'20" E
- (J) S 18°16'19" E 11.82'
- (K) N 86°01'31" W 80.45'



R/W MONUMENT - TYPE 1
RT. STA. 330+00 TO STA. 345+00, CONST. 3

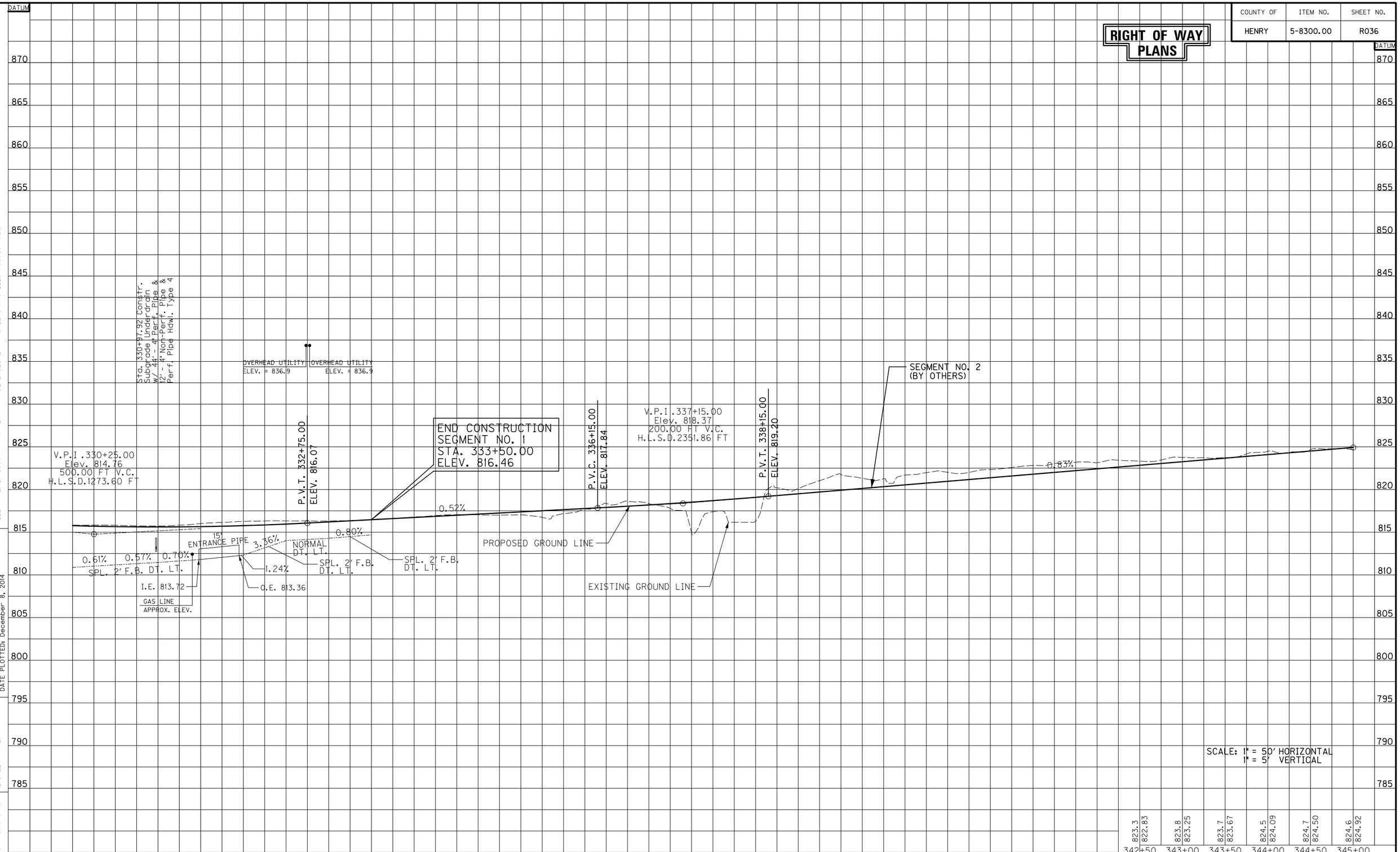
ENTRANCE CONSTRUCTION - RIGHT									
STATION	ENTRANCE TYPE	ENTR. WIDTH (FT)	AREA (SQ YD)	CEM. CONC. ENT. PVMT. 8" (SQ. YDS.)	ASPHALT SURFACE (TONS)	ASPHALT BASE (TONS)	CSB (TONS)	ENTR. PIPE (FT)	HDWL
331+05	RESIDENTIAL	12	129	- -	9	23	31	- -	- -

PLAN SHEET
KY 146 RELOCATION
STA. 330+00 TO STA. 333+50

FILE NAME: I:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1\SENT\2014-12-12 ROW SET\PLAN\R03500PL.DGN
USER: TRobinson
DATE PLOTTED: December 8, 2014
E-SHEET NAME:
MicroStation v8.11.7.443

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-8300.00	R036

RIGHT OF WAY PLANS



PROFILE SHEET
KY 146 RELOCATION
STA. 330+00 TO STA. 345+00

FILE NAME: I:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1\SHEETS\PROFILES\R036OOPR.DGN
USER: TRobinson
DATE PLOTTED: December 8, 2014
E-SHEET NAME:
MicroStation v8.11.7.443

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-8300.00	R037

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*
						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	SBH PROPERTIES, LLC			NOT USED												1		X					DB. 244 PG. 409	
2	UNITED CITIZENS BANK	1.02		NOT USED										1.02		1		X						
3	KENCON, INC	3.10		NOT USED										3.10		4		X					DB. 235 PG. 391	
4	KENCON, INC	3.99		NOT USED										3.99		1		X					DB. 235 PG. 388	
5	SBH PROPERTIES, LLC	9.62		NOT USED										9.62		1		X					DB. 257 PG. 106	
6	CECIL WHITAKER VICKI WHITAKER		36,113	NOT USED											36,113	1		X					DB. 265 PG. 513	
7	PILOT TRAVEL CENTERS, LLC			NOT USED												1		X						
8	COLEMAN ENTERPRISE, LLC	205.53			6,945		1,944	205.37						205.37		1		X					DB. 131 PG. 049 DB. 218 PG. 286	DB. 222 PG. 479
9	KEVIN L. ELDRIDGE, TRUSTEE	4.23			1,313	4,252	15,696	4.20						4.20		1		X					DB. 185 PG. 648	
10	DOROTHY R. TAYLOR	3.59			27,854					2.95				2.95		1		X					DB. 273 PG. 873	
11	ROGER TAYLOR JR. CANDY TAYLOR (Wf.)	1.95		NOT USED										1.95		1		X					DB. 229 PG. 551	
12	ROGER G. TAYLOR, JR. CANDACE R. TAYLOR (Wf.)	112.56		NOT USED										112.56		1		X					DB. 273 PG. 885	
13	ROGER G. TAYLOR, JR. ET UX	123.50		8.63			1,888	3.61		111.25				114.86		1		X					DB. 273 PG. 878	
14	COLEMAN ENTERPRISE, LLC		14,440				1,251		14,440						14,440	4		X					DB. 177 PG. 047	
15	NATIONWIDE FENCE COMPANY,INC.	25.05		NOT USED										25.05		1		X					DB. 283 PG. 134	
16	JOHN A. CLARK DENISE COOMBS	1.14			884		4,336	1.12						1.12		1		X					DB. 158 PG. 492 DB. 177 PG. 050	
17	NATIONWIDE FENCE COMPANY, INC.	4.02			5,050		4,809	3.80						3.80		1		X					DB. 232 PG. 590	
18	WESLEY ALAN MERTZ, SR.	9.57			444			9.56						9.56		1		X					DB. 186 PG. 387	
19	JIMMY B. ADAMS VONDA R. ADAMS (Wf.)	6.66			15,036		2,679	6.32						6.32		1		X					DB. 155 PG. 747	
21	ROGER G. TAYLOR, JR. ET UX	15.13		1.61			4,965			13.52				13.52		4		X					DB. 273 PG. 878	
22	JEFFREY NICHOLS	4.86			2,549		4,074	4.80						4.80		1		X					DB. 250 PG. 917	
23	DANNY SHAIN SUSAN SHAIN	4.25			33,882		3,466			3.47				3.47		1		X					DB. 265 PG. 383	
24	JERRY G. WHITAKER BRANDI A. WHITAKER	25.02			3,736		2,578	24.94						24.94		1		X					DB. 279 PG. 142	
25	DANNY SHAIN SUSAN SHAIN	2.78			11,601		3,756			2.51				2.51		1		X					DB. 161 PG. 712	
26	DANNY SHAIN SUSAN SHAIN	1.72			13,086					1.42				1.42		4		X					DB. 186 PG. 710	
27	LITTLE KY RIVER WATERSHED	17.30		NOT USED										17.30		4		X						
28	PAUL DOUGLAS BAXTER	275.06		NOT USED										275.06		1		X					PG. 147 PG. 084 DB. 147 PG. 089	
29	OLDHAM FARMS DEVELOPMENT, LLC	116.61			2,868		9,895			116.55				116.55		4		X					DB. 243 PG. 563	
30	THOMAS THOMPSON	45.82		7.95			2,833	37.87						37.87		4		X					DB. 278 PG. 008 DB. 278 PG. 412	DB. 281 PG. 257
31	CATHY DALENE McCANN	100.05		5.82				94.22						94.22		4		X					DB. 276 PG. 124	

NOTE: PERMANENT R/W ACQUIRED + AREA SEVERED = TOTAL AREA OF TRACT.
PARCEL NO. 20 NOT USED

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

*INCLUDES HAZARDOUS WASTE
(UST - UNDERGROUND STORAGE TANKS)

RIGHT OF WAY SUMMARY SHEET
KY 146 RELOCATION

FILE NAME: I:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1\SHEETS\RW STRIPS AND SUMMARIES\R03700RW.DGN
USER: sellis
DATE PLOTTED: December 9, 2014
E-SHEET NAME:
MicroStation v8.11.7.443

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-8300.00	R038

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*
						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		
32	ROBERT ALLEN HUNTER, TRUSTEE	96.96		2.96			7,016	94.00						94.00		4		X					DB. 282 PG. 854	
33	FLOYD HARTLAGE FAMILY LIMITED PARTNERSHIP	332.54		5.10			16,932	327.44						327.44		1		X					DB. 228 PG. 452 DB. 229 PG. 700	DB. 252 PG. 087
34	4W LAND AND LIVESTOCK, LLC	532.12		5.48			24,787			526.77				526.77		4		X					DB. 277 PG. 571	
35	STEPHEN L. RICHARDSON MARCELLA A. RICHARDSON (Wf.)	13.11		1.42			5,118	11.69						11.69		1		X					DB. 270 PG. 304	
36	TELIA B. FULLER		35,276		1,287	2,333	2,836				33,990				33,990	1		X					DB. 162 PG. 207	
37	ANNA MAY BAXTER	1.78			15,471		1,056			1.42				1.42		1		X					DB. 147 PG. 074	
38	SHERRY B. HAMILTON	6.11			25,984		23,597	5.51						5.51		1		X					DB. 172 PG. 325 DB. 176 PG. 512	
39	LAWRENCE E. DEAN, JR.	9.59			525		2,754	9.58						9.58		1		X					DB. 133 PG. 728	
40	MARK C. PITTENGER SUSAN G. PITTENGER (Wf.)	73.98		1.55			4,475	72.43						72.43		1		X					DB. 269 PG. 464	
41	RONALD M. PAIT CAROL ANN PAIT (Wf.)	17.53					3,122	17.53						17.53		1		X					DB. 250 PG. 265	
42	MICHAEL E. WALMER ET AL	4.96					3,242	4.96						4.96		1		X					DB. 259 PG. 457	
43	J & D INVESTMENTS LLC	26.63			444		14,703	26.67						26.67		4		X					DB. 254 PG. 371	
44	NANCY S. PILE MICHAEL J. LANEY	85.92			5,918		9,863	85.79						85.79		1		X					DB. 214 PG. 234	
45	ROBERTO GONZALES FLORINDA MARIBLE GONZALES	2.71			6,499			2.57						2.57		1		X					DB. 201 PG. 001	
46	BARRY W. LEIGEY EDNA JEAN LEIGEY		23,289		7,015		1,960				16,273				16,273	1	1/2						DB. 173 PG. 734	PERMITTED TRAILER PARK (1)
47	GEORGE W. HOLCOMB TIFFANY D. HOLCOMB (Wf.)	4.55			18,897		6,972	4.12						4.12		1		X					DB. 267 PG. 144	
48	BARRY WAYNE LEIGEY EDNA JEAN LEIGEY		24,945		7,392		4,621				17,552				17,552	1	3/3						DB. 131 PG. 233	PERMITTED TRAILER PARK (3)
49	BARRY WAYNE LEIGEY EDNA JEAN LEIGEY	16.80			11,795		2,562	16.52						16.52		1		X					DB. 131 PG. 233	
50	TINA STAMBAUGH	1.25					2,062	1.25						1.25		1		X					DB. 262 PG. 389	
51	JESSIE D. CHISHOLM ALMA K. CHISHOLM	107.78			4,131		3,094	107.68						107.68		4		X					DB. 097 PG. 001	
53	CORDELIA LEWMAN	99.94					2,468	99.94						99.94		4		X					DB. 209 PG. 896	
54	WHITE FAMILY FARM, LLC	221.17		1.05			1,305			220.12				220.12		4		X					DB. 266 PG. 297	
55	JOSH FOWLER	22.90					3,015	22.90						22.90		1		X					DB. 283 PG. 075 DB. 283 PG. 080	
56	JOSH FOWLER	87.82					3,196	87.82						87.82		4		X					DB. 283 PG. 075 DB. 283 PG. 080	
57	THE CLAYTON E. BILLINGS LIVING TRUST DATED 1-23-2009	73.46			39,759		6,192			72.55				72.55		1		X					DB. 274 PG. 899	
58	SAFETY-KLEEN SYSTEMS, INC.	44.07		NOT USED										44.07		4		X					DB. 206 PG. 798	
59	SAFETY-KLEEN SYSTEMS, INC.	56.63					11,688	56.63						56.63		1		X					DB. 206 PG. 798	
61	THE CRISTOFOLI FAMILY LIMITED PARTNERSHIP	103.10		2.82			4,331			100.28				100.28		4		X					DB. 192 PG. 659	
62	JOSHUA L. BUTTERFIELD ET AL		42,099				383				42,099				42,099	1		X					DB. 241 PG. 541	
63	DEE L. RAYMER MARY ALICE RAYMER (Wf.)	90.65		1.73			8,445	88.92						88.92		1		X					DB. 113 PG. 257	

NOTE: PERMANENT R/W ACQUIRED + AREA SEVERED = TOTAL AREA OF TRACT.
PARCEL NO. 52 AND 60 NOT USED

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

*INCLUDES HAZARDOUS WASTE
(UST - UNDERGROUND STORAGE TANKS)

RIGHT OF WAY SUMMARY SHEET
KY 146 RELOCATION

FILE NAME: I:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1\SHEETS\RW STRIPS AND SUMMARIES\R0380ORW.DGN
USER: sgrice
DATE PLOTTED: January 5, 2015
E-SHEET NAME:
MicroStation v8.11.7.443

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-8300.00	R039

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*
						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		
64	MAX KENTUCKY PROPERTIES 2, LLC		23,140		69		341				23,140				23,140	1		X					DB. 265 PG. 336	
65	JARED ROBERTS	10.15			11,495		7,121			9.89				9.89		1		X					DB. 251 PG. 957 DB. 233 PG. 276	
66	JOHN J. CRISTOFOLI JOHANNA B. CRISTOFOLI	143.25		NOT USED										143.25		4		X					DB. 178 PG. 133	
67	BARRY D. GREEN CHERYL M. GREEN (Wf.)	6.63		NOT USED										6.63		1		X					DB. 253 PG. 193	

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

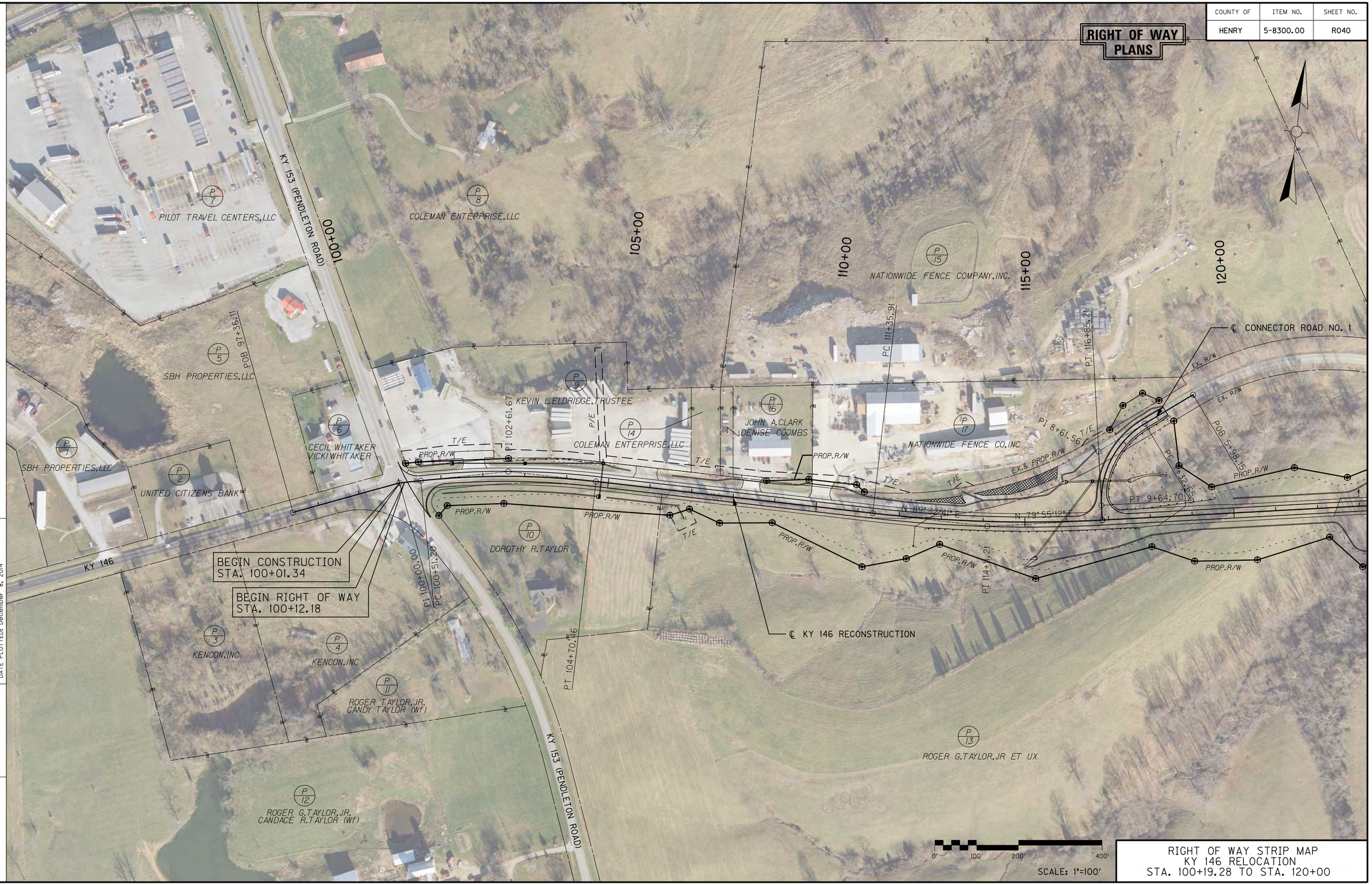
*INCLUDES HAZARDOUS WASTE
(UST - UNDERGROUND STORAGE TANKS)

RIGHT OF WAY SUMMARY SHEET
KY 146 RELOCATION

FILE NAME: I:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1\SHEETS\RW STRIPS AND SUMMARIES\R0390ORW.DGN
USER: sellis
DATE PLOTTED: December 9, 2014
E-SHEET NAME:
MicroStation v8.11.7.443

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-8300.00	R040

RIGHT OF WAY PLANS

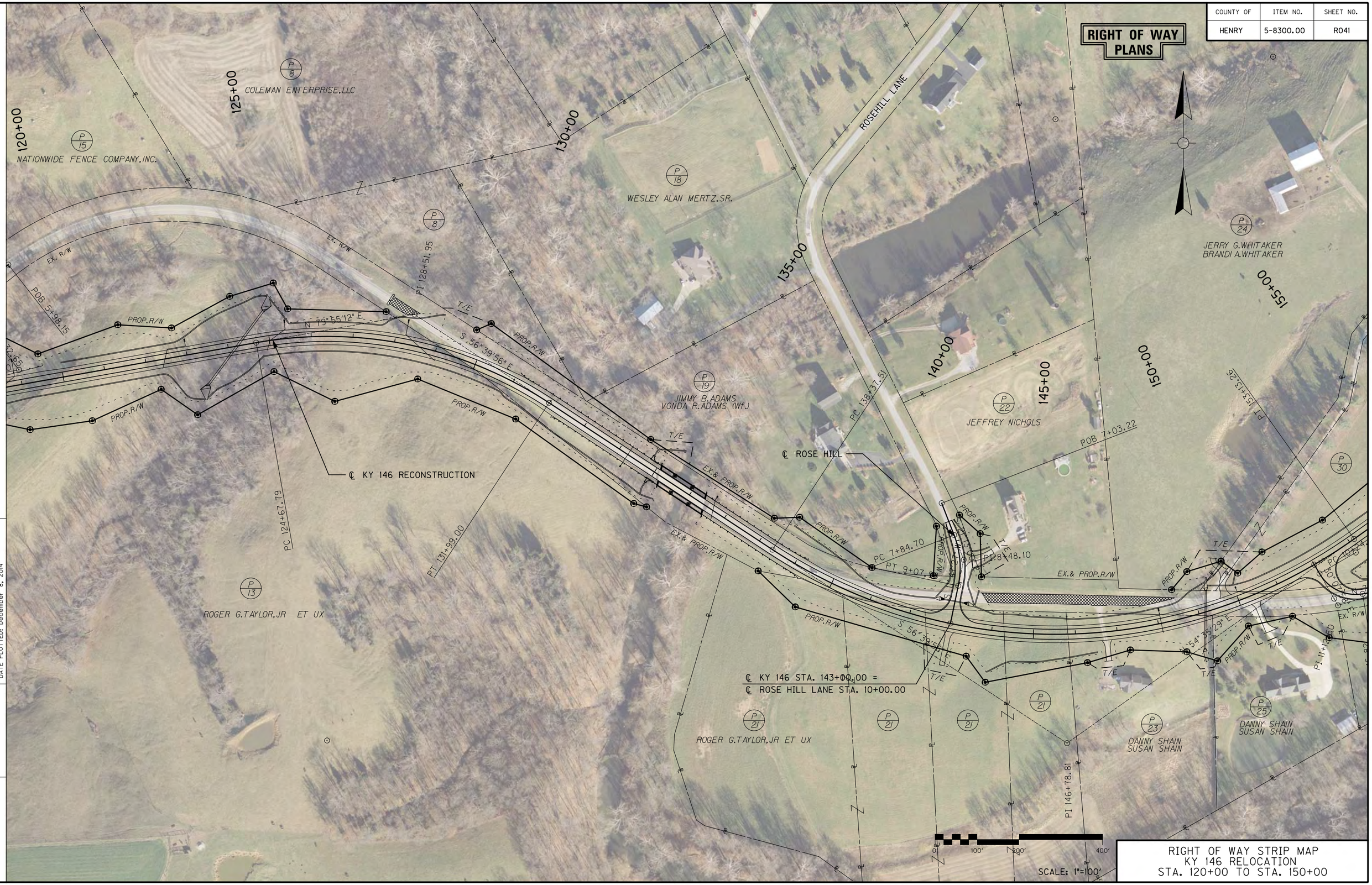


RIGHT OF WAY STRIP MAP
KY 146 RELOCATION
STA. 100+19.28 TO STA. 120+00

MicroStation v8.11.7.443 | E-SHEET NAME: | USER: TRobinson DATE PLOTTED: December 8, 2014 | FILE NAME: I:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1\SHEETS\RW STRIPS AND SUMMARIES\R04000RW.DGN

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-8300.00	R041

RIGHT OF WAY PLANS



RIGHT OF WAY STRIP MAP
KY 146 RELOCATION
STA. 120+00 TO STA. 150+00

FILE NAME: I:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1\SHEETS\RW STRIPS AND SUMMARIES\R04100RW.DGN

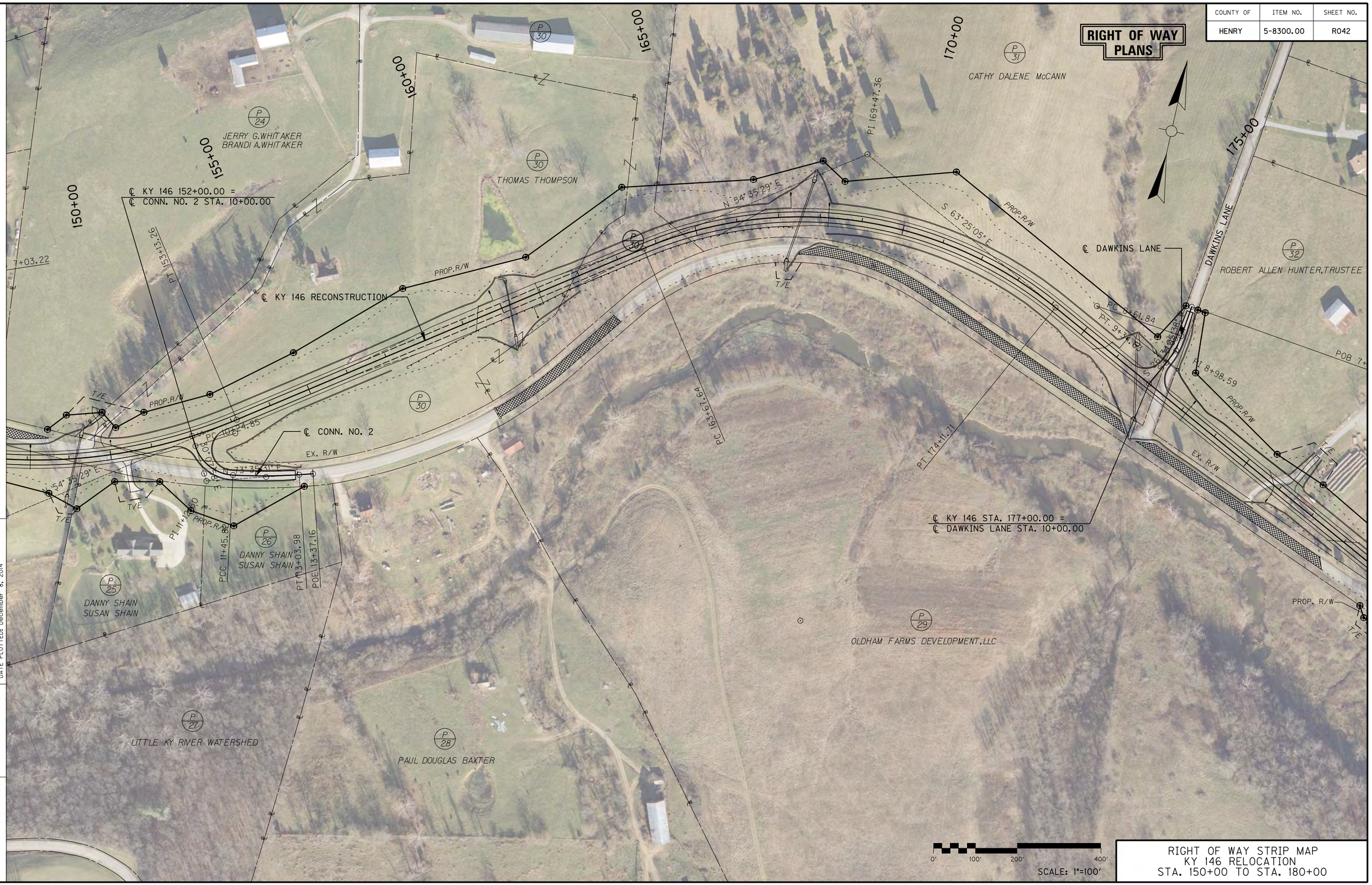
USER: TRobinson
DATE PLOTTED: December 8, 2014

E-SHEET NAME:

MicroStation v8.11.7.443

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-8300.00	R042

RIGHT OF WAY PLANS



RIGHT OF WAY STRIP MAP
KY 146 RELOCATION
STA. 150+00 TO STA. 180+00

FILE NAME: I:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1\SHEETS\RW STRIPS AND SUMMARIES\R04200RW.DGN
USER: TRobinson
DATE PLOTTED: December 8, 2014
E-SHEET NAME:
MicroStation v8.11.7.443

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-8300.00	R043

RIGHT OF WAY PLANS

RIGHT OF WAY STRIP MAP
KY 146 RELOCATION
STA. 180+00 TO STA. 210+00

FILE NAME: I:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1\SHEETS\RW STRIPS AND SUMMARIES\R04300RW.DGN
USER: TRobinson
DATE PLOTTED: December 8, 2014
E-SHEET NAME:
MicroStation v8.11.7.443

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-8300.00	R044

RIGHT OF WAY PLANS

RIGHT OF WAY STRIP MAP
KY 146 RELOCATION
STA. 210+00 TO STA. 240+00

FILE NAME: I:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1\SHEETS\RW STRIPS AND SUMMARIES\R044ODRW.DGN

USER: TRobinson
DATE PLOTTED: December 8, 2014

E-SHEET NAME:

MicroStation v8.11.7.443

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-8300.00	R045

RIGHT OF WAY PLANS

RIGHT OF WAY STRIP MAP
KY 146 RELOCATION
STA. 240+00 TO STA. 270+00

FILE NAME: I:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1\SHEETS\RW STRIPS AND SUMMARIES\R04500RW.DGN

USER: TRobinson
DATE PLOTTED: December 8, 2014

E-SHEET NAME:

MicroStation v8.11.7.443

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-8300.00	R046

RIGHT OF WAY PLANS

RIGHT OF WAY STRIP MAP
KY 146 RELOCATION
STA. 270+00 TO STA. 300+00

FILE NAME: I:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1\SHEETS\RW STRIPS AND SUMMARIES\R046ORW.DGN

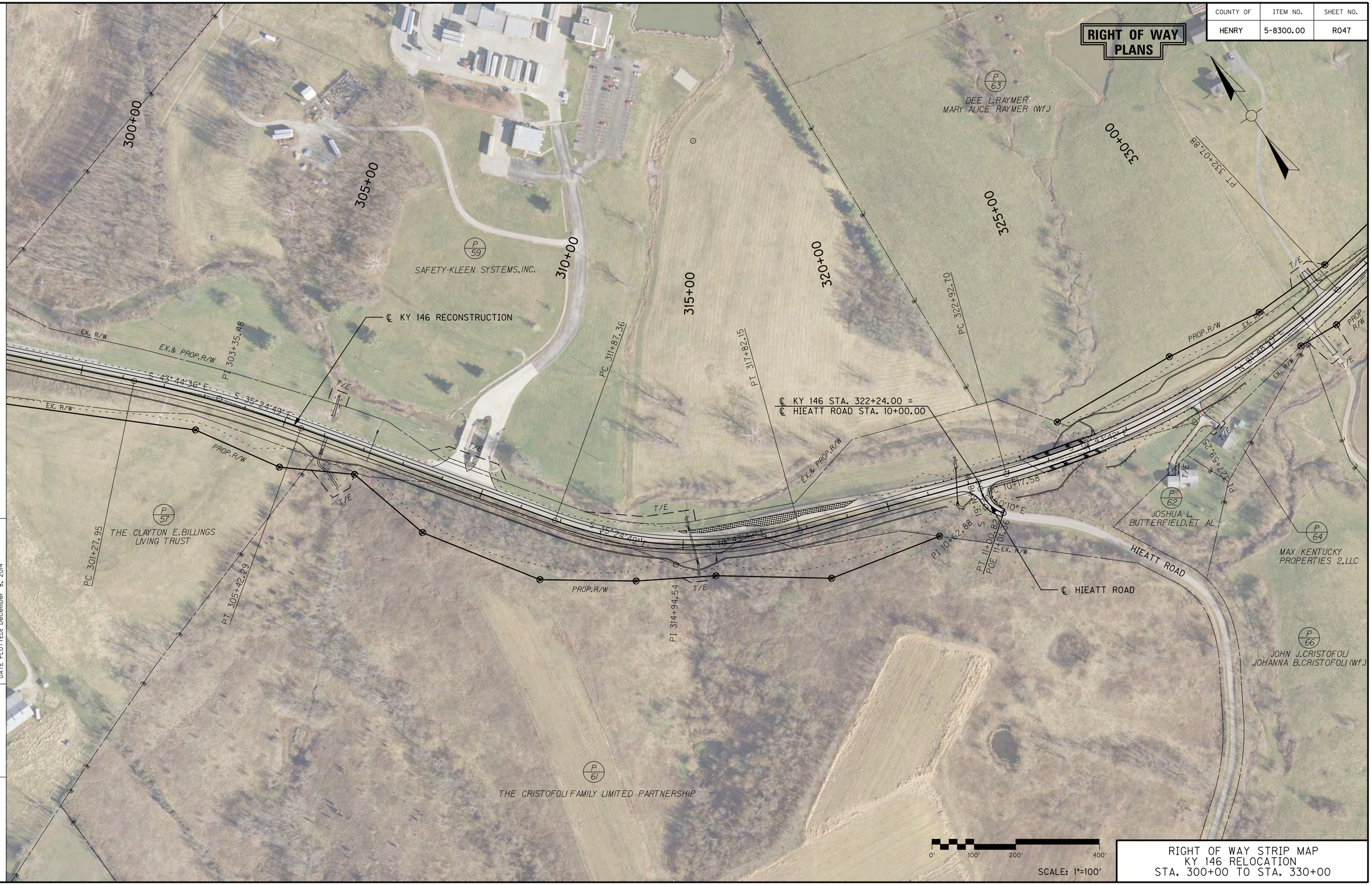
USER: TRobinson
DATE PLOTTED: December 8, 2014

E-SHEET NAME:

MicroStation v8.11.7.443

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-8300.00	R047

RIGHT OF WAY PLANS



RIGHT OF WAY STRIP MAP
KY 146 RELOCATION
STA. 300+00 TO STA. 330+00

MicroStation v8.11.7.443 | E-SHEET NAME: | USER: TRobinson DATE PLOTTED: December 8, 2014 | FILE NAME: I:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1\SHEETS\RW STRIPS AND SUMMARIES\R04700RW.DGN

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-8300.00	R048

RIGHT OF WAY PLANS

RIGHT OF WAY STRIP MAP
KY 146 RELOCATION
STA. 330+00 TO STA. 360+00

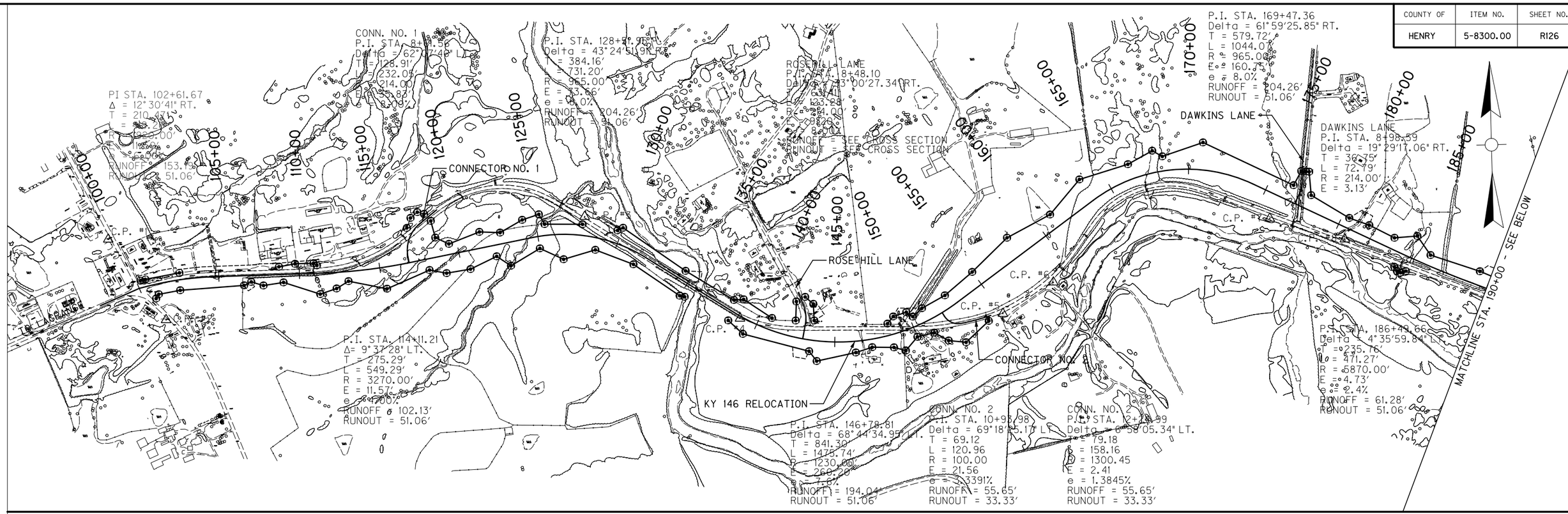
FILE NAME: I:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1\SHEETS\RW STRIPS AND SUMMARIES\R048ODRW.DGN

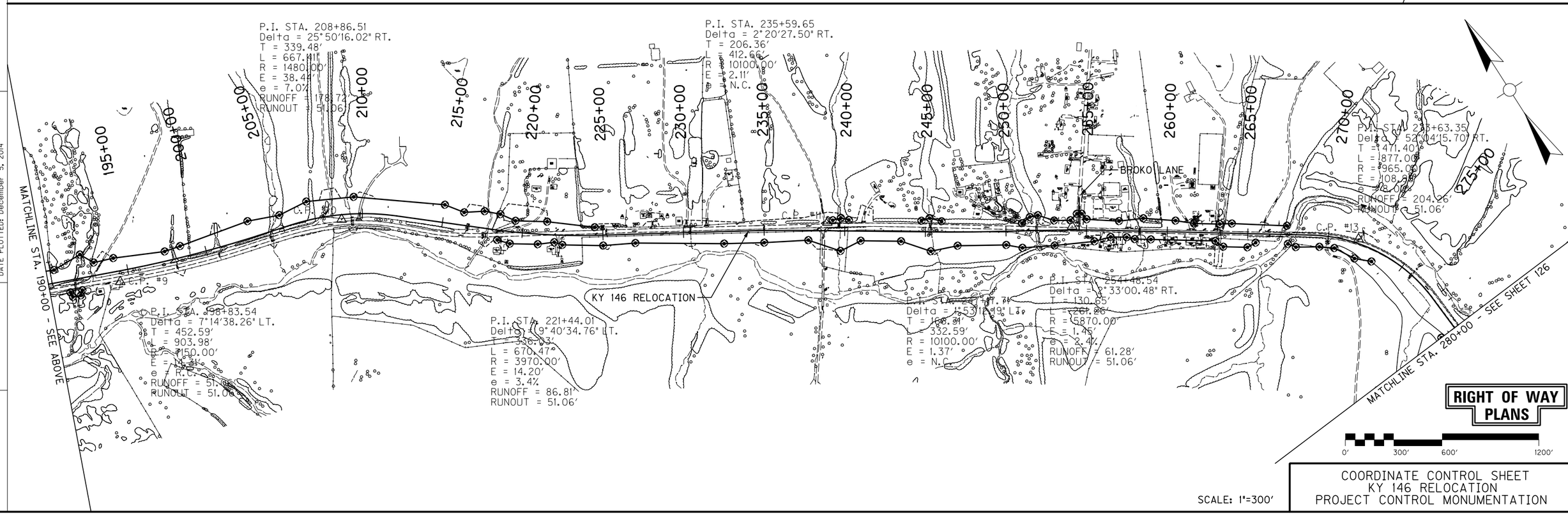
USER: TRobinson
DATE PLOTTED: December 8, 2014

E-SHEET NAME:

MicroStation v8.11.7.443

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-8300.00	R126





RIGHT OF WAY PLANS

SCALE: 1"=300'

COORDINATE CONTROL SHEET
KY 146 RELOCATION
PROJECT CONTROL MONUMENTATION

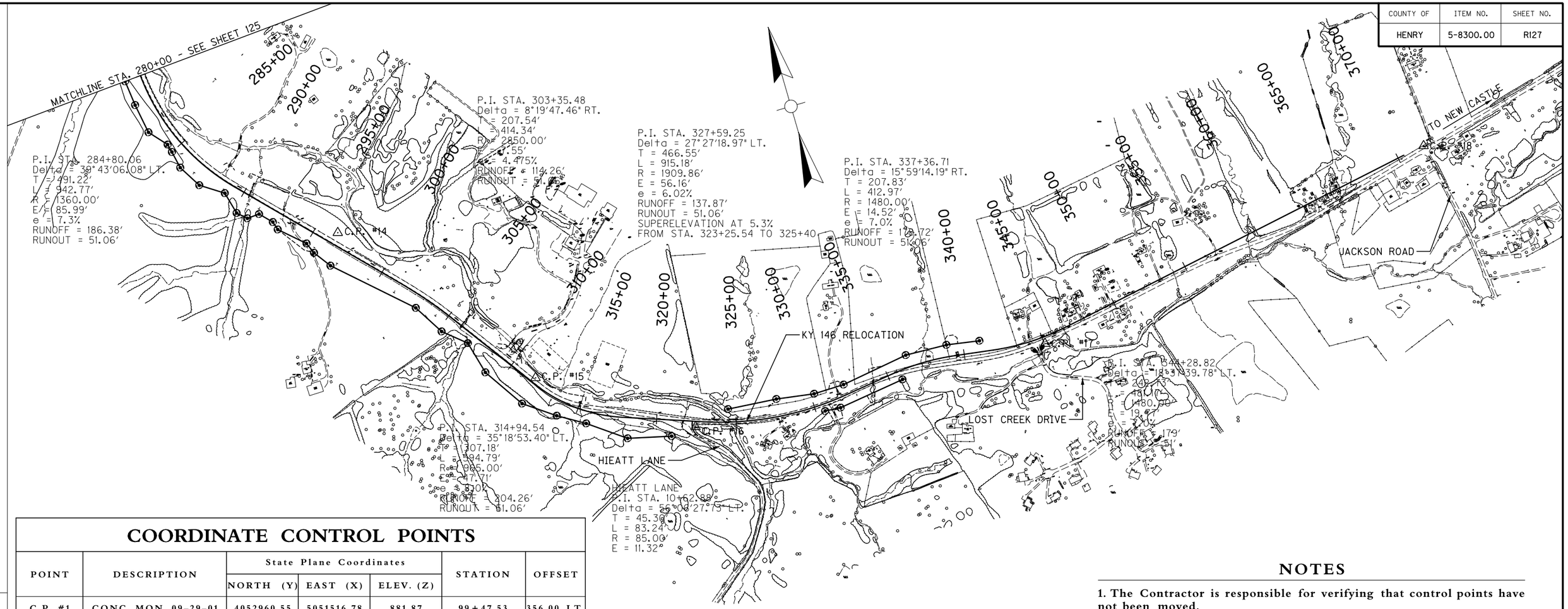
FILE NAME: I:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1\SHEETS\COORDINATE CONTROL\R126OCC.DGN

USER: sgrice
DATE PLOTTED: December 5, 2014

E-SHEET NAME:

MicroStation v8.11.7.443

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-8300.00	RI27



COORDINATE CONTROL POINTS

POINT	DESCRIPTION	State Plane Coordinates			STATION	OFFSET
		NORTH (Y)	EAST (X)	ELEV. (Z)		
C.P. #1	CONC. MON. 09-29-01	4052960.55	5051516.78	881.87	99+47.53	356.00 LT.
C.P. #2	CONC. MON. 09-29-02	4052451.97	5051862.41	881.01	101+20.42	229.63 RT.
C.P. #3	CONC. MON. 09-29-30	4053025.73	5054473.95	757.78	127+77.08	117.46 LT.
C.P. #4	CONC. MON. 09-29-29	4052369.67	5055420.52	760.28	138+91.45	13.52 RT.
C.P. #5	CONC. MON. 09-29-28	4052357.85	5057051.43	772.48	154+97.63	225.79 RT.
C.P. #6	CONC. MON. 09-29-27	4052544.23	5057369.25	766.55	158+64.66	258.03 RT.
C.P. #7	CONC. MON. 09-29-03	4052905.54	5058720.96	760.92	175+98.49	149.09 RT.
C.P. #8	CONC. MON. 09-29-04	4052764.79	5059183.02	767.52	180+74.69	68.20 RT.
C.P. #9	CONC. MON. 09-29-26	4052210.15	5060435.93	779.18	194+40.17	67.21 RT.
C.P. #10	CONC. MON. 09-29-25	4051796.27	5061800.19	766.12	208+67.74	30.05 RT.
C.P. #11	CONC. MON. 09-29-24	4050158.11	5064328.73	800.01	238+91.65	50.60 LT.
C.P. #12	CONC. MON. 09-29-05	4049321.23	5065595.25	796.02	254+10.40	22.82 LT.
C.P. #13	CONC. MON. 09-29-06	4048297.79	5067049.01	797.34	271+83.66	26.84 LT.
C.P. #14	CONC. MON. 09-29-23	4046224.47	5068170.04	838.72	296+35.62	76.58 LT.
C.P. #15	CONC. MON. 09-29-07	4045006.69	5069108.56	807.06	311+67.50	33.59 LT.
C.P. #16	CONC. MON. 09-29-08	4044433.36	5069986.96	820.78	322+45.93	34.83 RT.
C.P. #17	CONC. MON. 09-29-22	4044326.03	5072236.84	822.31	345+04.21	42.10 RT.
C.P. #18	CONC. MON. 09-29-21	4044857.20	5074861.10	872.31	371+77.11	5.58 RT.

NOTES

1. The Contractor is responsible for verifying that control points have not been moved.

2. See Plan Sheets for locations of Control Points.

3. Some Control Points are located outside of the Plan Sheet limits.

COORDINATE SYSTEM

Coordinates for horizontal control were obtained from GPS methods and adjusted to the National NAD83/FBN System.

Coordinates are based on State Plane Coordinate System KY Single Zone and in U.S. Survey Feet.

BASIS OF ELEVATIONS

Elevations were derived from GPS methods and are adjusted to the NAVD88 Vertical Datum. Geoid model used was Geoid03.

RIGHT OF WAY PLANS

0' 300' 600' 1200'

SCALE: 1"=300'

COORDINATE CONTROL SHEET
KY 146 RELOCATION
PROJECT CONTROL MONUMENTATION

FILE NAME: I:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1\SHEETS\COORDINATE CONTROL\RI27OCC.DGN
USER: sgrice
DATE PLOTTED: December 5, 2014
E-SHEET NAME:
MicroStation v8.11.7.443

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-8300.00	RI28

RIGHT OF WAY PLANS

CENTERLINE COORDINATE DATA

KY 146 RELOCATION

	PROJECT COORDINATES	
	NORTH (Y)	EAST (X)
P.O.B. STA. 97+36.11	4052550.76	5051457.53
P.I. STA. 100+00.00	4052651.66	5051701.37
P.C. STA. 100+51.20	4052663.15	5051751.27
P.I. STA. 102+61.67	4052710.37	5051956.37
P.T. STA. 104+70.46	4052712.04	5052166.83
P.C. STA. 111+35.91	4052717.33	5052832.26
P.I. STA. 114+11.21	4052719.52	5053107.55
P.T. STA. 116+85.21	4052767.70	5053378.59
P.C. STA. 124+67.79	4052904.67	5054149.10
P.I. STA. 128+51.95	4052971.91	5054527.33
P.T. STA. 131+99.00	4052760.80	5054848.29
P.C. STA. 138+37.51	4052409.92	5055381.75
P.I. STA. 146+78.81	4051947.60	5056084.64
P.T. STA. 153+13.26	4052435.05	5056770.33
P.C. STA. 163+67.64	4053045.97	5057629.70
P.I. STA. 169+47.36	4053381.86	5058102.20
P.T. STA. 174+11.71	4053122.45	5058620.64
P.C. STA. 184+13.90	4052673.99	5059516.89
P.I. STA. 186+49.66	4052568.49	5059727.73
P.T. STA. 188+85.17	4052480.24	5059946.35
P.C. STA. 194+30.95	4052275.95	5060452.46
P.I. STA. 198+83.54	4052106.53	5060872.15
P.T. STA. 203+34.93	4051991.39	5061309.85
P.C. STA. 205+47.03	4051937.43	5061514.97
P.I. STA. 208+86.51	4051851.07	5061843.28
P.T. STA. 212+14.44	4051630.25	5062101.13
P.C. STA. 218+07.98	4051244.19	5062551.95
P.I. STA. 221+44.01	4051025.61	5062807.18
P.T. STA. 224+78.45	4050853.05	5063095.52
P.C. STA. 233+53.29	4050403.78	5063846.20
P.I. STA. 235+59.65	4050297.81	5064023.27
P.T. STA. 237+65.96	4050184.69	5064195.86
P.C. STA. 245+51.40	4049754.15	5064852.79
P.I. STA. 247+17.71	4049662.99	5064991.89
P.T. STA. 248+83.99	4049576.45	5065133.91

CENTERLINE COORDINATE DATA

KY 146 RELOCATION

	PROJECT COORDINATES	
	NORTH (Y)	EAST (X)
P.C. STA. 253+17.89	5065504.45	5502625.75
P.I. STA. 254+48.54	5065616.03	5502936.54
P.T. STA. 255+79.15	5065724.46	5502985.79
P.C. STA. 268+91.95	5066814.05	5503035.92
P.I. STA. 273+63.35	5067205.30	5503214.05
P.T. STA. 277+68.95	5067238.39	5503275.59
P.C. STA. 279+88.84	5067253.83	5503308.44
P.I. STA. 284+80.06	5067288.31	5503347.01
P.T. STA. 289+31.61	5067627.95	5503398.82
P.C. STA. 301+27.95	5068455.13	5503435.00
P.I. STA. 303+35.48	5068598.63	5503510.81
P.T. STA. 305+42.29	5068718.89	5504324.79
P.C. STA. 311+87.36	5069092.69	5504396.81
P.I. STA. 314+94.54	5069270.69	5504434.06
P.T. STA. 317+82.15	5069560.66	5504452.43
P.C. STA. 322+92.70	5070042.61	5504474.83
P.I. STA. 327+59.25	5070483.01	5504512.92
P.T. STA. 332+07.88	5070944.81	5504591.25
P.C. STA. 335+28.87	5071262.54	5504972.46
P.I. STA. 337+36.71	5071468.26	5505062.01
P.T. STA. 339+41.84	5071674.17	5505104.46
P.C. STA. 341+86.09	5071916.16	5505374.56
P.I. STA. 344+28.82	5072156.64	5505440.93
P.T. STA. 346+67.26	5072395.05	5505457.18
P.O.E. STA. 370+39.86	5074725.43	5505480.85

COORDINATE CONTROL SHEET
KY 146 RELOCATION
CENTERLINE COORDINATE DATA

MicroStation v8.11.7.443 E-SHEET NAME: USER: sgrice DATE PLOTTED: December 5, 2014 FILE NAME: I:\3886-KY 146 HENRY\PHASE 2\SEGMENT 1\SHEETS\COORDINATE CONTROL\RI28OOCC.DGN

RIGHT OF WAY PLANS

CENTERLINE COORDINATE DATA

CONNECTOR NO. 1

	PROJECT COORDINATES	
	NORTH (Y)	EAST (X)
P.O.B. STA. 5+98.15	4053091.32	5053557.31
P.C. STA. 7+32.65	4053008.61	5053451.25
P.I. STA. 8+61.56	4052929.33	5053349.60
P.T. STA. 9+64.70	4052802.41	5053372.16
P.O.E. STA. 10+00.00	4052767.66	5053378.34

CENTERLINE COORDINATE DATA

ROSE HILL LANE

	PROJECT COORDINATES	
	NORTH (Y)	EAST (X)
P.O.B. STA. 7+03.22	4052520.71	5055785.66
P.C. STA. 7+84.70	4052444.76	5055815.14
P.I. STA. 8+48.10	4052385.65	5055838.09
P.T. STA. 9+07.98	4052323.59	5055825.13
P.O.E. STA. 10+00.00	4052233.51	5055806.33

CENTERLINE COORDINATE DATA

CONNECTOR NO. 2

	PROJECT COORDINATES	
	NORTH (Y)	EAST (X)
P.O.B. STA. 10+00.00	4052373.77	5056675.14
P.C. STA.10+24.85	4052352.28	5056687.61
P.I. STA.10+93.98	4052292.50	5056722.31
P.C.C. STA.11+45.82	4052303.83	5056790.50
P.I. STA.12+24.99	4052316.82	5056868.60
P.T. STA.13+03.98	4052339.18	5056944.56
P.O.E. STA.13+37.16	4052348.56	5056976.39

CENTERLINE COORDINATE DATA

DAWKINS LANE

	PROJECT COORDINATES	
	NORTH (Y)	EAST (X)
P.O.B. STA. 7+87.50	4053195.01	5058937.87
P.C. STA. 8+61.84	4053121.23	5058928.69
P.I. STA. 8+98.59	4053084.77	5058924.15
P.T. STA. 9+34.63	4053051.90	5058907.71
P.O.E. STA. 10+00.00	4052993.44	5058878.45

CENTERLINE COORDINATE DATA

BROKO LANE

	PROJECT COORDINATES	
	NORTH (Y)	EAST (X)
P.O.B. STA. 8+00.00	4049447.05	5065727.55
P.O.E. STA. 10+00.00	4049278.71	5065619.56

CENTERLINE COORDINATE DATA

HIEATT LANE

	PROJECT COORDINATES	
	NORTH (Y)	EAST (X)
P.O.B. STA. 10+00.00	4044473.48	5069977.76
P.C. STA. 10+17.58	4044456.88	5069971.95
P.I. STA. 10+62.88	4044414.12	5069957.00
P.T. STA. 11+00.82	4044377.87	5069984.16
P.O.E. STA. 11+01.36	4044377.44	5069984.49

COORDINATE CONTROL SHEET
KY 146 RELOCATION
CENTERLINE COORDINATE DATA