

COUNTY OF	ITEM NO.	SHEET NO.
BALLARD	I-115.00	RI

# Commonwealth of Kentucky DEPARTMENT OF HIGHWAYS

## PLANS OF PROPOSED PROJECT FD04 1550 COO4 E143 BALLARD COUNTY - US 60



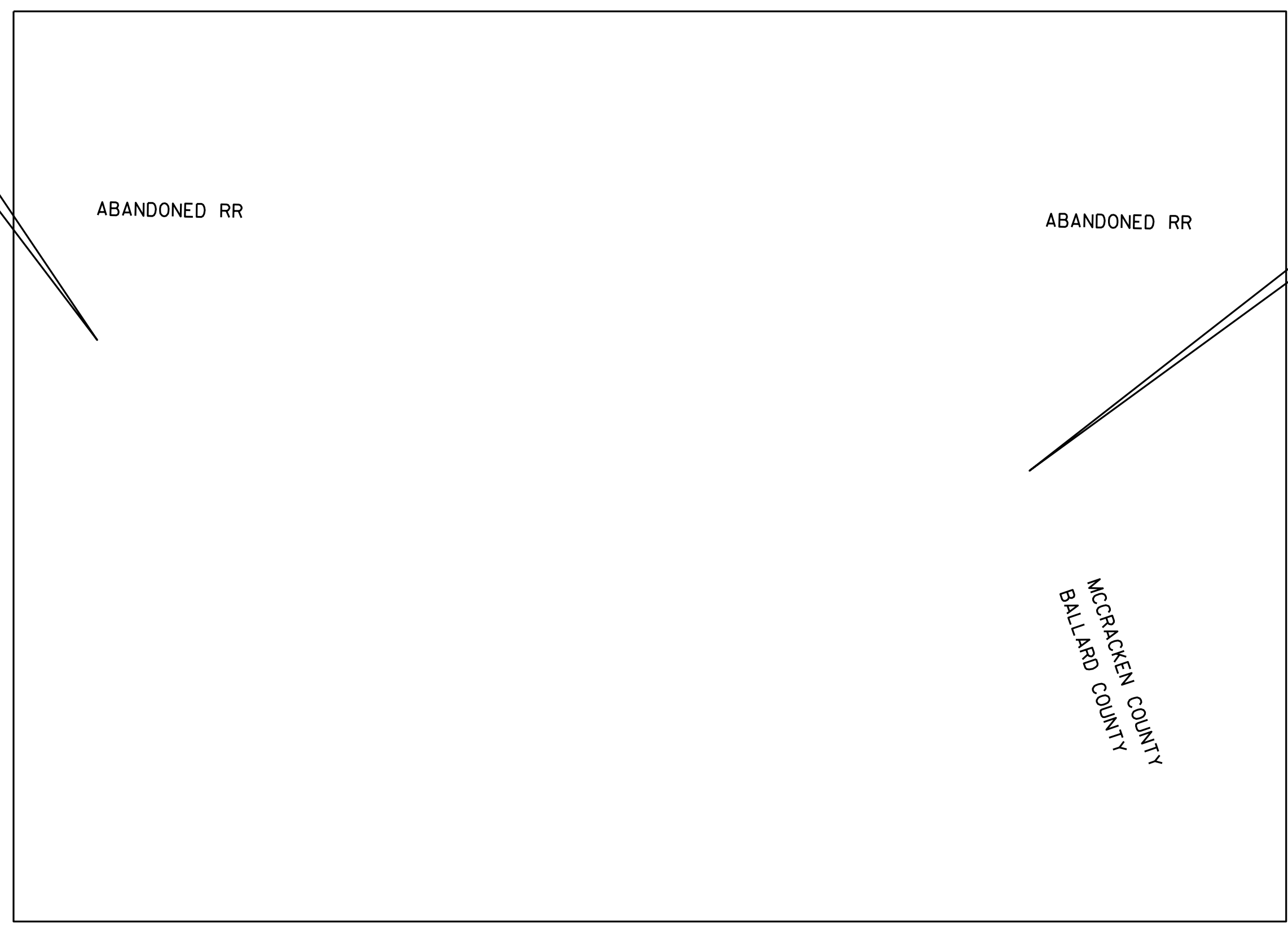
INDEX OF SHEETS	
SHEET NO.	DESCRIPTION
R1	LAYOUT SHEET
R2 - R2c, R2f	TYPICAL SECTIONS-SUMMARY OF QUANTITIES
R3 - R32	PLAN AND PROFILE SHEETS
R34	RIGHT OF WAY SUMMARY SHEETS
R35 - R39	RIGHT OF WAY STRIP MAP SHEETS
X1 - X154	CROSS SECTION SHEETS

SHEETS NOT INCLUDED IN TOTAL SHEETS

STANDARD DRAWINGS			
NUMBER			
RBI-001-09	RDH-1000-02	RDH-524-03	RDX-220-03
RBI-002-06	RDH-1005-02	RD1-001-07	RFW-001-04
RBI-003-06	RDH-1100-02	RD1-002-02	RFW-005-06
RBI-004-02	RDH-110-02	RD1-011-01	RG5-001-06
RBR-001-11	RDH-1105-02	RD1-016-01	RG5-002-04
RBR-005-10	RDH-1110-02	RD1-020-08	RGX-001-04
RBR-010-05	RDH-1115-02	RD1-025-04	RGX-005-04
RBR-015-04	RDH-1200-02	RD1-035-01	RGX-015-02
RBR--016-04	RDH-1300-03	RD1-045-01	RGX-200
RBR-020-02	RDH-1302-03	RD1-100-03	RPM-110-04
RBR-025-03	RDH-1304-03	RD1-120-03	TPM-105
RBR-100-05	RDH-1306-03	RDP-001-05	TPM-115
RDB-005-08	RDH-210-03	RDP-005-04	TPM-120
RDB-105-05	RDH-220-02	RDP-006-03	TTD-100
RDB-106-04	RDH-310-04	RDP-010-07	TTD-105
RDB-150-01	RDH-350-03	RDX-200-02	TTD-110
RDB-160-01	RDH-510-04	RDX-205	
RDD-040-04	RDH-522-02	RDX-210-02	

TOTAL STANDARD DRAWINGS - 70

US 60 STA. 96+75  
BEGIN PROJECT



US 60 STA. 228+07.97  
END PROJECT

THIS PROJECT IS A PARTIALLY CONTROLLED ACCESS HIGHWAY. ACCESS SHALL BE ALLOWED ONLY WHERE SPECIFICALLY INDICATED ON PLANS. MINIMUM SPACING IS 1200 FEET.

THESE PLANS ARE FOR GRADE, DRAIN AND SURFACING

DESIGN CRITERIA	
CLASS OF HIGHWAY	RURAL ARTERIAL
TYPE OF TERRAIN	LEVEL
DESIGN SPEED	60 MPH
REQUIRED NPSD	570
REQUIRED PSD	2180
LEVEL OF SERVICE	
ADT PRESENT ( 2007 )	6,920
ADT FUTURE ( 2027 )	10,300
DHV	1,190
D %	83%
T %	17%
GEOGRAPHIC COORDINATES	
LATITUDE	37 DEGREES 04 MINUTES NORTH
LONGITUDE	88 DEGREES 54 MINUTES WEST
DESIGNED	
% RESTRICTED SD	
LEVEL OF SERVICE	
MAX. DISTANCE W/O PASSING	

SCALE IN 1"=1500'  
LAYOUT MAP

**RIGHT OF WAY  
PLANS**

LENGTH 13,133 LIN. FT. 2.487 MILES	LENGTH _____ LIN. FT. _____ MILES	LENGTH _____ LIN. FT. _____ MILES	LENGTH _____ LIN. FT. _____ MILES
ADDED [ ] FOR EQUALITIES N/A LIN. FT.	ADDED [ ] FOR EQUALITIES _____ LIN. FT.	ADDED [ ] FOR EQUALITIES _____ LIN. FT.	ADDED [ ] FOR EQUALITIES _____ LIN. FT.
DEDUCTED [ ] NOT INCLUDED	DEDUCTED [ ] NOT INCLUDED	DEDUCTED [ ] NOT INCLUDED	DEDUCTED [ ] NOT INCLUDED
RAILROAD CROSSINGS NO. N/A LIN. FT.	RAILROAD CROSSINGS NO. _____ LIN. FT.	RAILROAD CROSSINGS NO. _____ LIN. FT.	RAILROAD CROSSINGS NO. _____ LIN. FT.
BRIDGES _____ LIN. FT.	BRIDGES _____ LIN. FT.	BRIDGES _____ LIN. FT.	BRIDGES _____ LIN. FT.

**Commonwealth of Kentucky  
DEPARTMENT OF HIGHWAYS  
COUNTY OF  
BALLARD**

ITEM NO. I-115.00  
PROJECT NUMBER: FD04 1550 C004 E143  
LETTING DATE: \_\_\_\_\_

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

PLANS PREPARED AND SUBMITTED BY:  
DESIGN CONSULTANT

**AEI** AMERICAN ENGINEERS, INC.  
PROFESSIONAL ENGINEERING  
Branch Offices

- 65 Aberdeen Drive  
Glasgow, KY 42411  
(270) 651-7220
- 2500 Nelson Miller Parkway  
Louisville, KY 40223  
(502) 245-3813
- 1634 White Circle, Suite 101  
Marietta, GA 30066  
(770) 421-8422  
www.aei.cc

NO. SETS	DATE
RECORD PLANS	
CONSTRUCTION PLANS	

REVIEWED BY \_\_\_\_\_  
DIVISION OF CONSTRUCTION

USER: \$\$\$USER\$\$\$  
DATE: \$\$\$DATE\$\$\$  
FILE NAME: \$\$\$designsfiles\$specifications\$\$\$  
E-SHEET NAME:

# TYPICAL SECTIONS

## US 60

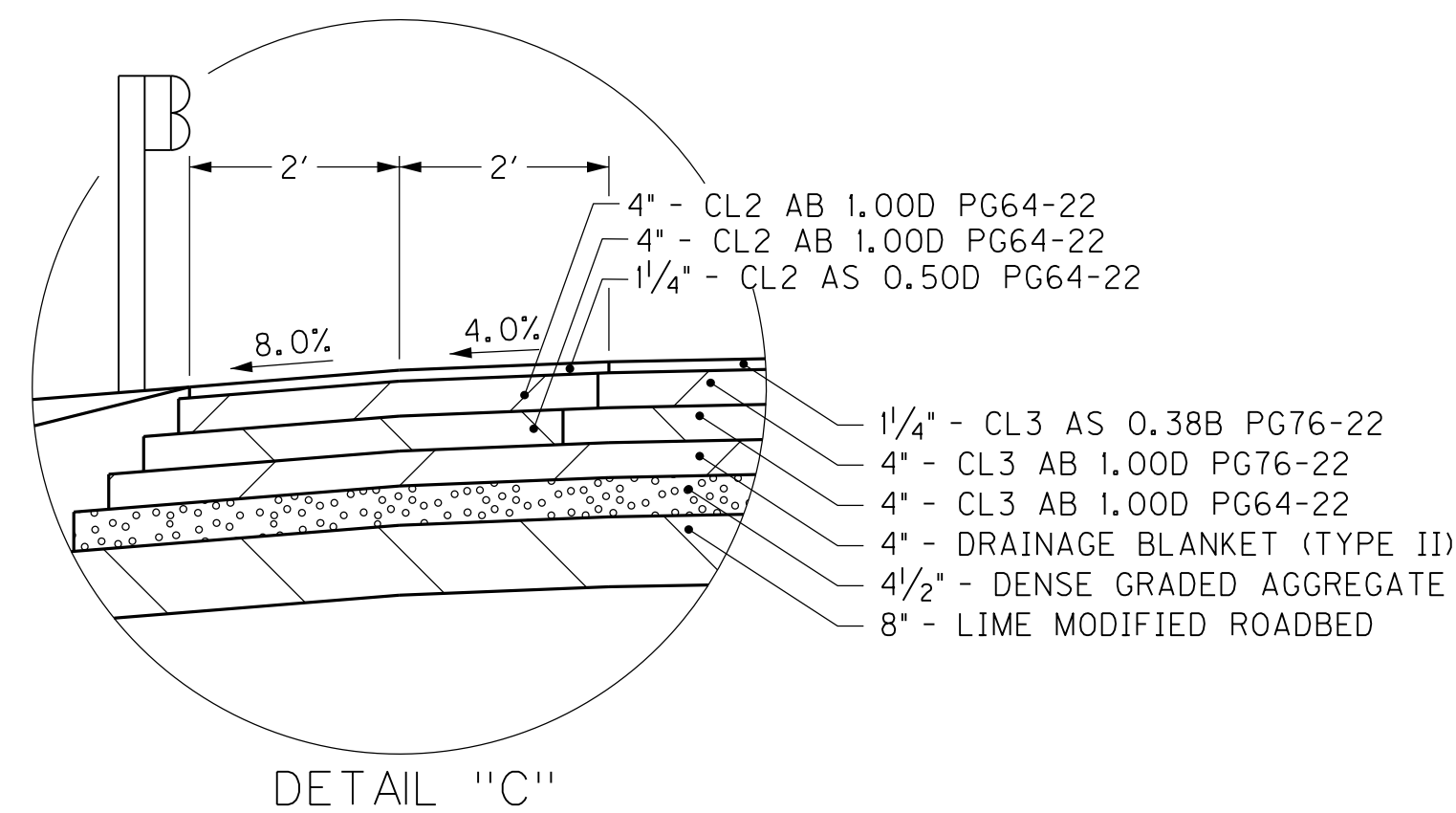
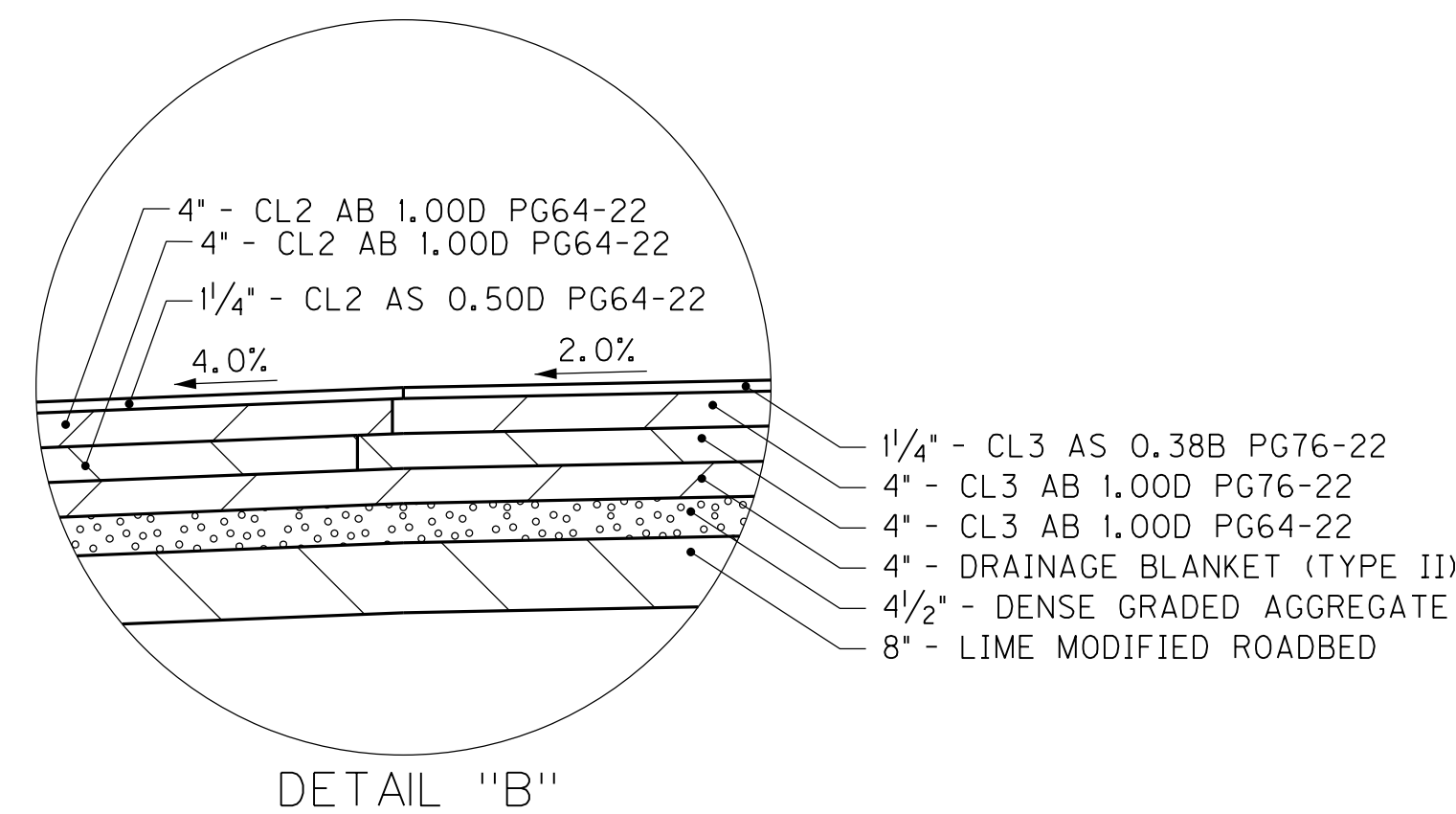
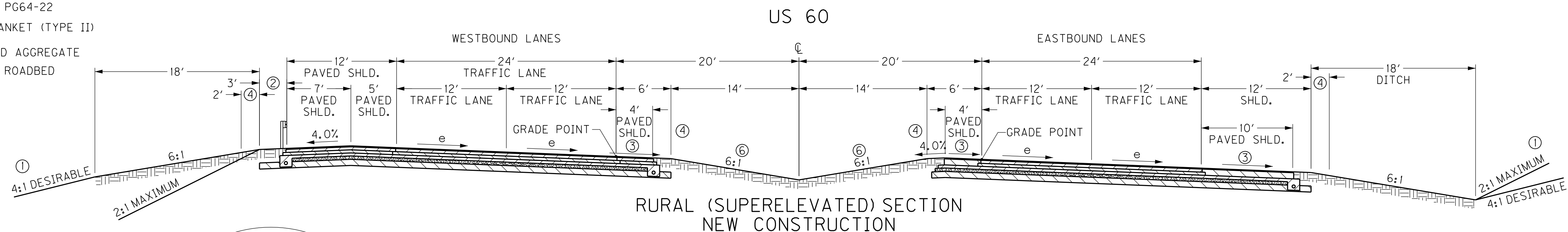
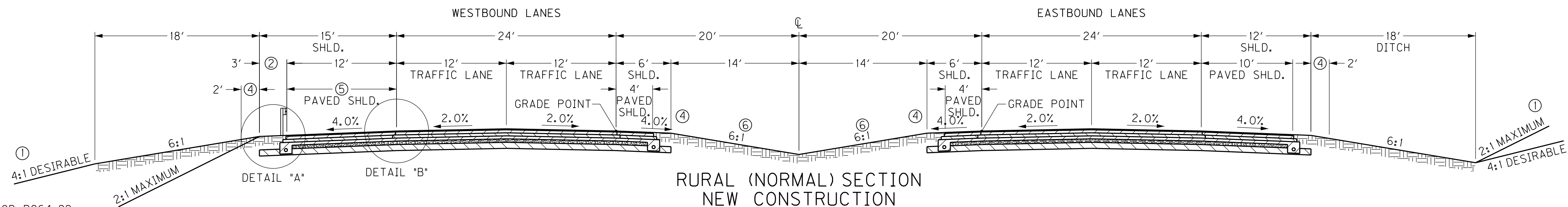
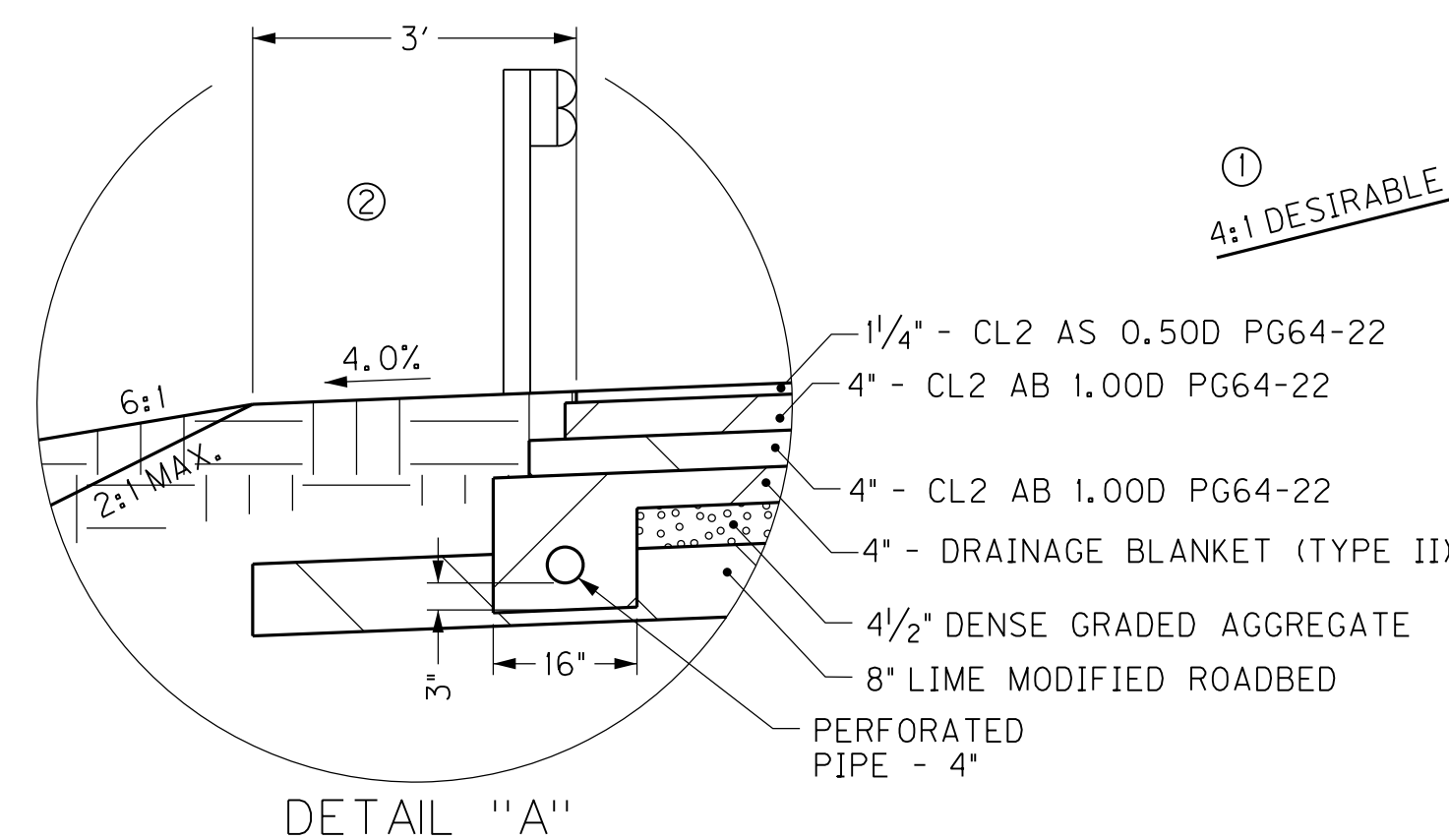
COUNTY OF	ITEM NO.	SHEET NO.
BALLARD	I-115.00	R2

**NOTES:**

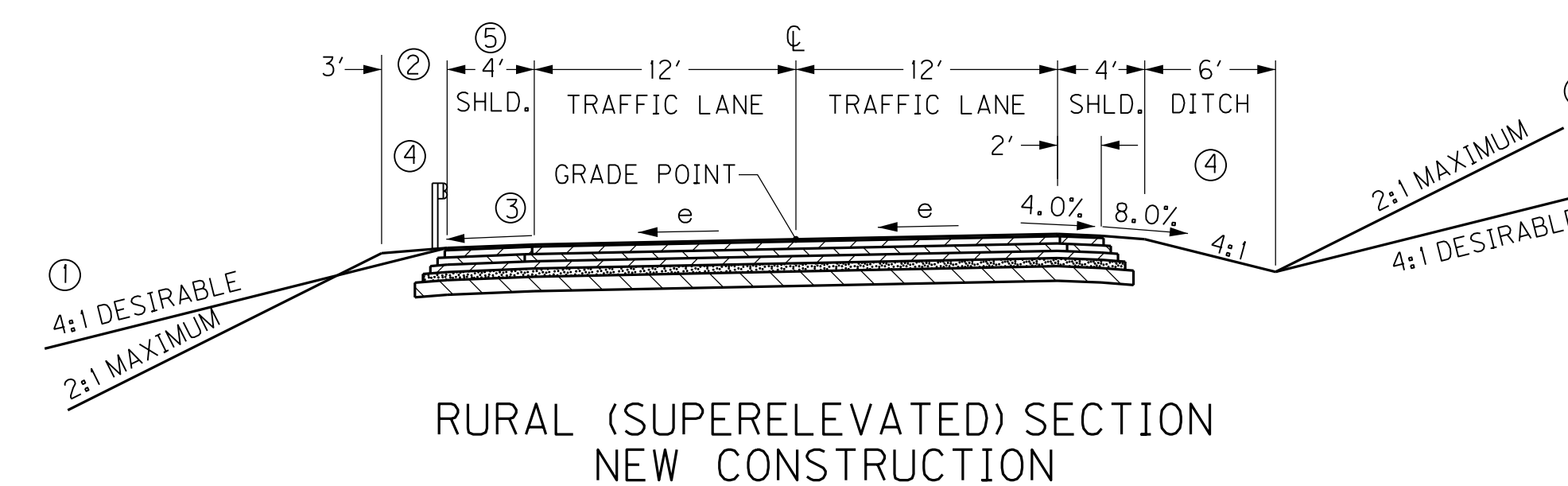
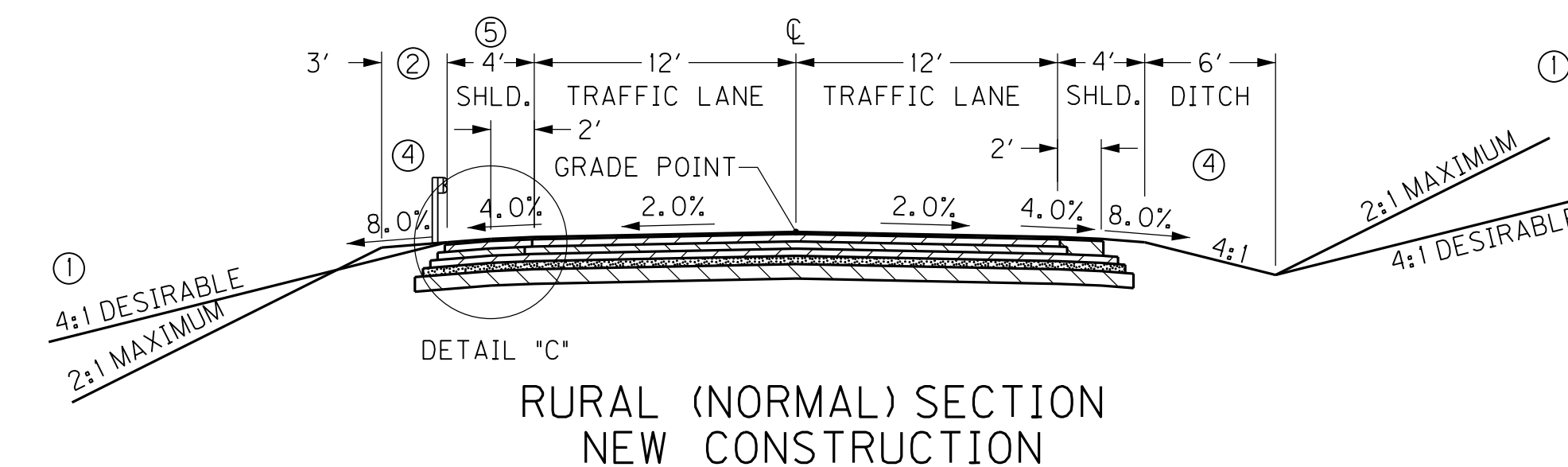
- FOR SLOPES OUTSIDE LIMITS OF SHOULDER SEE CROSS SECTIONS.
- SHOULDER SHALL BE WIDENED THREE (3) FEET WHERE GUARDRAIL IS TO BE INSTALLED.
- SLOPE AT SAME RATE AS SUPERELEVATION EXCEPT NOT FLATTER THAN SLOPE INDICATED AND SHOULDER BREAK OVER RATE IS EQUIVALENT TO 8%.
- ASPHALT SEAL COAT REQUIRED FROM THE EDGE OF PAVED SHOULDER TO A POINT TWO (2) FEET DOWN THE CUT OR FILL SLOPE TO RETARD VEGETATION GROWTH AND HELP PREVENT EROSION.
- PAVED SHOULDER SHALL BE EXTENDED TO FACE OF GUARDRAIL WHEN GUARDRAIL IS TO BE INSTALLED.
- SEE CROSS SECTIONS FOR SPECIAL MEDIAN DITCH.

PREPARED BY AMERICAN ENGINEERS, INC. DATE 3-28-08  
 CHECKED BY AMERICAN ENGINEERS, INC. DATE 3-28-08  
 APPROVED BY DATE

NOTE:  
 AS=ASPHALT SURFACE  
 AB=ASPHALT BASE  
 DGA=DENSE GRADED AGGREGATE



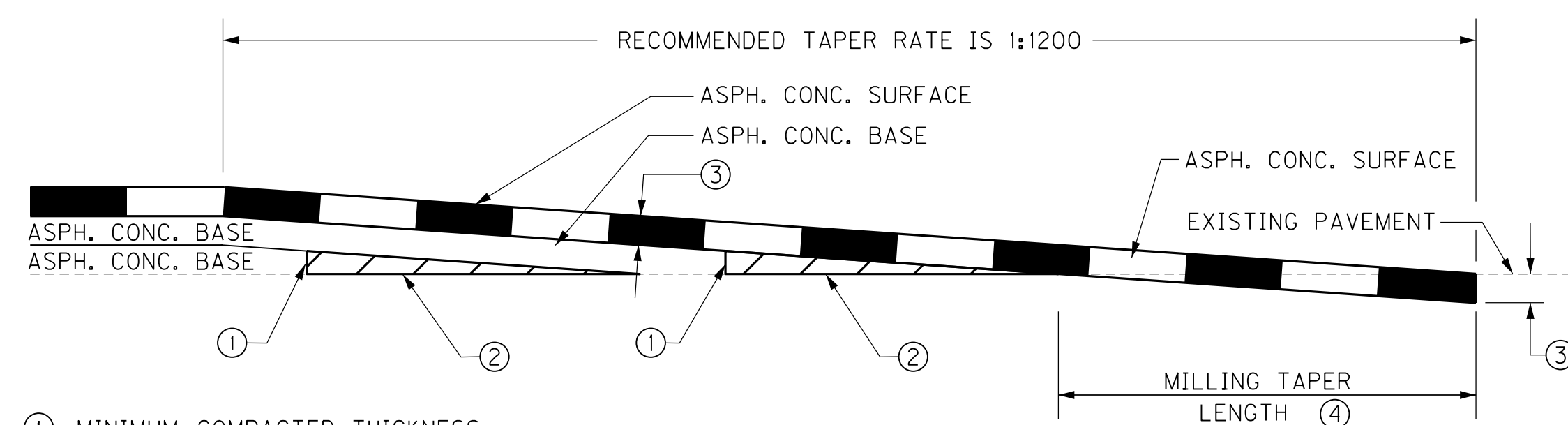
**OLD ROUTE 60, OLD ROUTE 60 CONNECTOR**



**US 60, OLD ROUTE 60, OLD ROUTE 60 CONNECTOR PAVEMENT DESIGN NEW CONSTRUCTION: FLEXIBLE PAVEMENT**

- TRAFFIC LANE - 4 1/2" DENSE GRADED AGGREGATE, ASPHALT CURING SEAL (APPLY AT A RATE OF 2.0 LB/SY), 4" DRAINAGE BLANKET (TYPE II ASPH PG64-22), 4" CL3 AB 1.00D PG64-22, 4" CL3 AB 1.00D PG76-22, 1 1/4" CL3 AS 0.38B PG76-22
- SHOULDERS - 4 1/2" DENSE GRADED AGGREGATE, ASPHALT CURING SEAL (APPLY AT A RATE OF 2.0 LB/SY), 4" DRAINAGE BLANKET (TYPE II ASPH PG64-22), 8" CL2 AB 1.00D PG64-22 (4"+4"), 1 1/4" CL2 AS 0.50D PG64-22

- UNPAVED SHOULDER - EARTH SHOULDER
- ROADBED PREPARATION - 8" LIME MODIFIED ROADBED



- MINIMUM COMPACTED THICKNESS
- ASPHALT MIXTURE FOR LEVELING AND WEDGING OR NEXT COURSE OF ASPHALT MIXTURE.
- ASPHALT SURFACE THICKNESS (FULL DEPTH)
- MILL EXISTING PAVEMENT TO RECEIVE ASPHALT SURFACE FULL DEPTH (EDGE KEY). TAPER LENGTH (ft) =  $\frac{t}{12} \times \text{TAPER RATE}$

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

**RIGHT OF WAY PLANS**

TYPICAL SECTIONS

USER: \$\$\$USER\$\$\$  
 DATE: \$\$\$DATE\$\$\$  
 FILE NAME: \$\$\$designsfiles\$specifications\$\$\$  
 E-SHEET NAME:

**TAPERING OF OVERLAYS ON HIGH SPEED FACILITIES (>=45 MPH)**

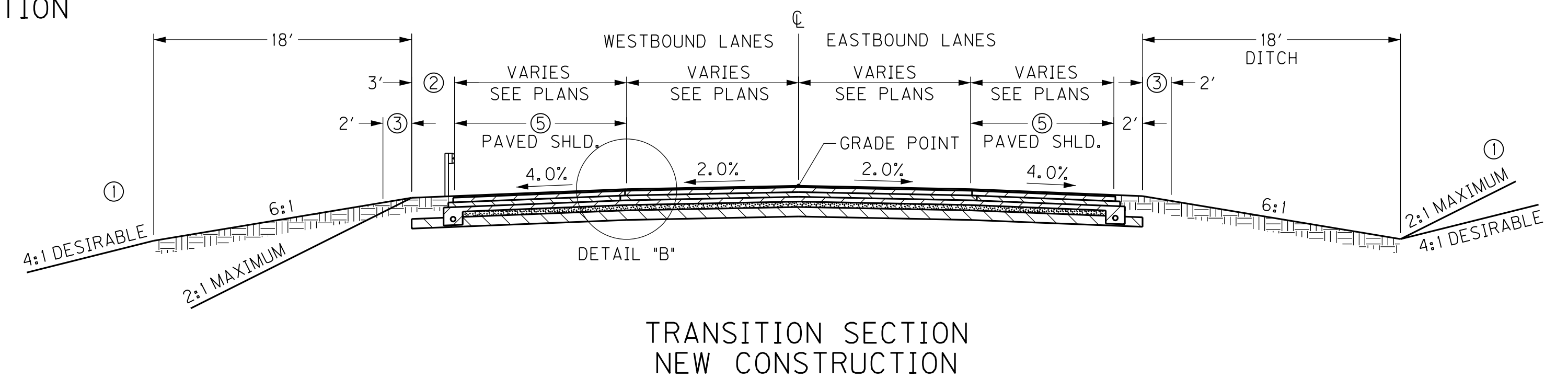
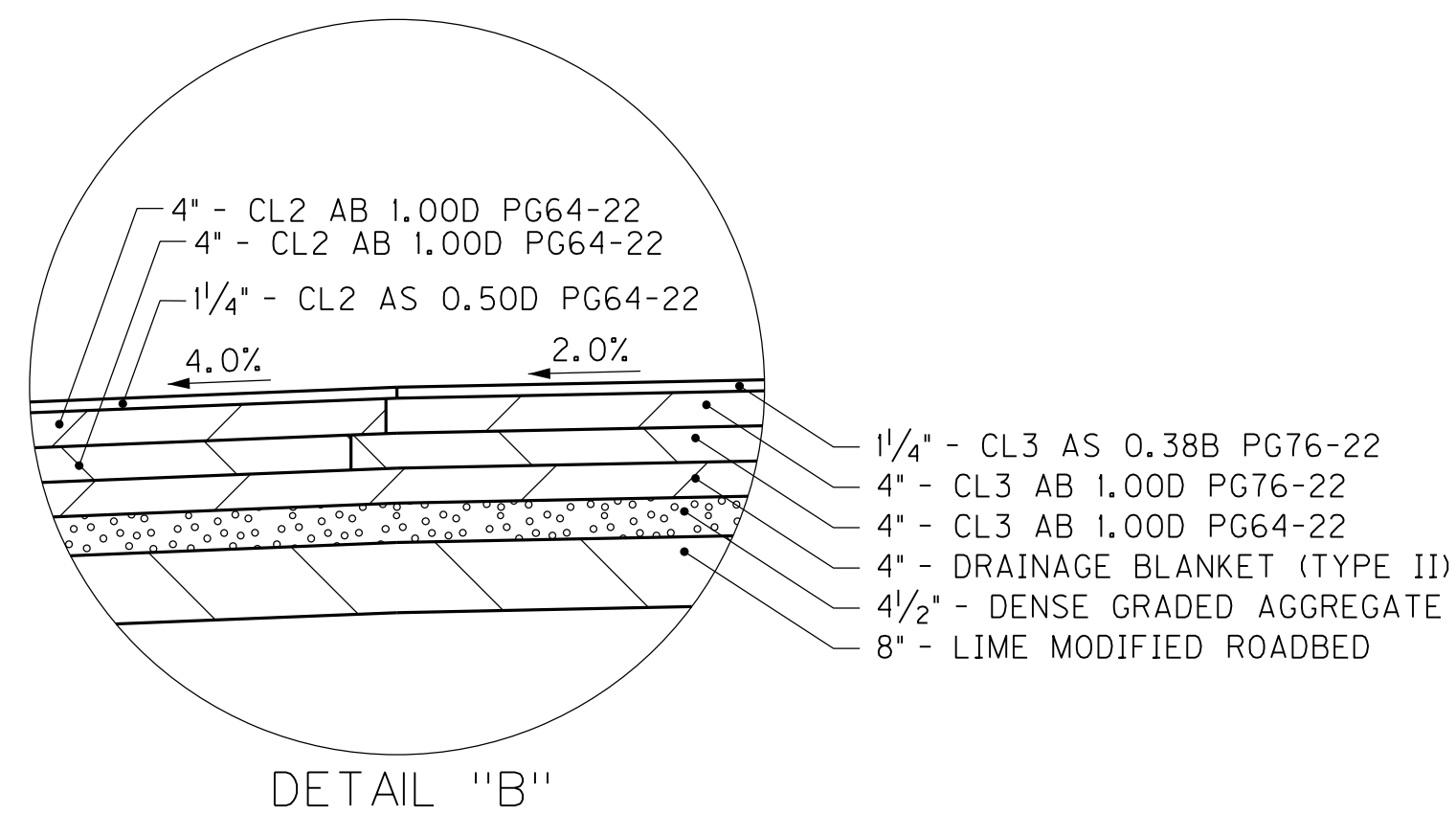
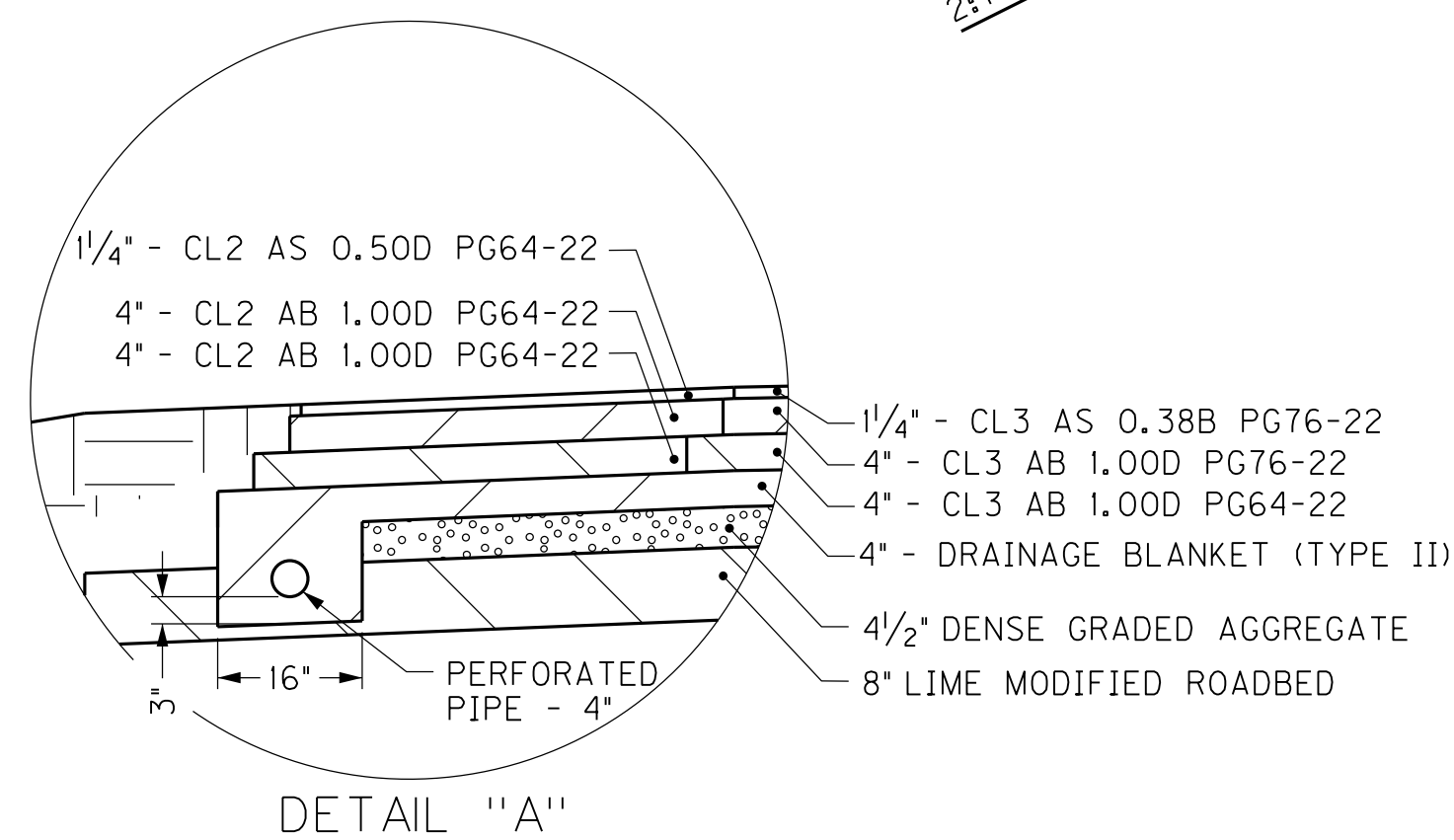
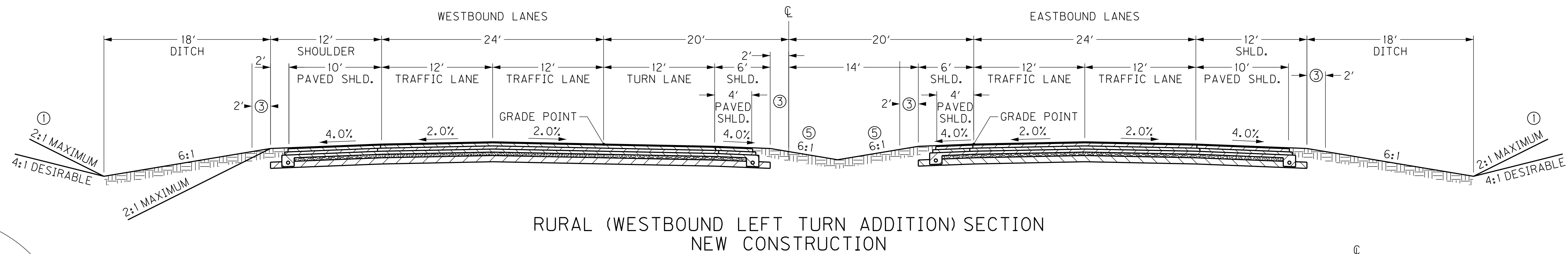
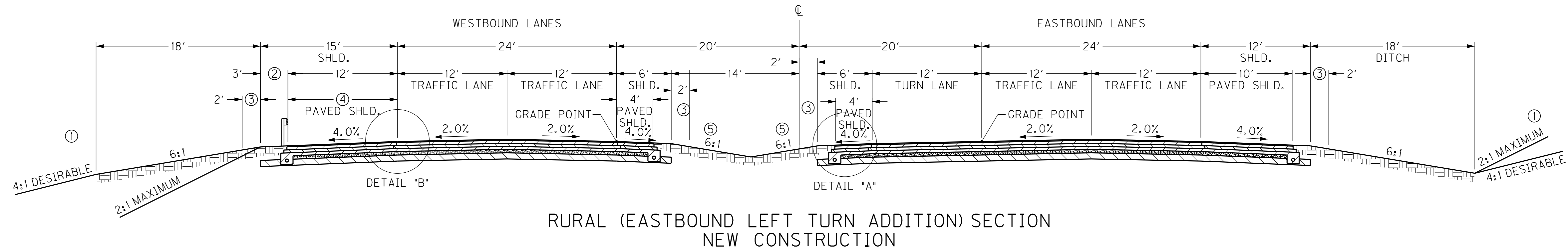
COUNTY OF	ITEM NO.	SHEET NO.
BALLARD	I-115.00	R2a

# TYPICAL SECTIONS US 60

- NOTES:
- FOR SLOPES OUTSIDE LIMITS OF SHOULDER SEE CROSS SECTIONS
  - SHOULDER SHALL BE WIDENED THREE (3) FEET WHERE GUARDRAIL IS TO BE INSTALLED
  - ASPHALT SEAL COAT REQUIRED FROM THE EDGE OF PAVED SHOULDER TO A POINT TWO (2) FEET DOWN THE CUT OR FILL SLOPE TO RETARD VEGETATION GROWTH AND HELP PREVENT EROSION
  - PAVED SHOULDER SHALL BE EXTENDED TO FACE OF GUARDRAIL WHEN GUARDRAIL IS TO BE INSTALLED.
  - SEE CROSS SECTIONS FOR SPECIAL MEDIAN DITCH.

NOTE:  
AS-ASPHALT SURFACE  
AB-ASPHALT BASE  
DGA-DENSE GRADED AGGREGATE

PREPARED BY AMERICAN ENGINEERS, INC. DATE 3-28-08  
CHECKED BY AMERICAN ENGINEERS, INC. DATE 3-28-08  
APPROVED BY DATE



PAVEMENT DESIGN  
NEW CONSTRUCTION:  
FLEXIBLE PAVEMENT

- TRAFFIC LANE — 4 1/2" DENSE GRADED AGGREGATE  
ASPHALT CURING SEAL (APPLY AT A RATE OF 2.0 LB/SY)  
4" DRAINAGE BLANKET (TYPE II ASPH PG64-22)  
4" CL3 AB 1.00D PG64-22  
4" CL3 AB 1.00D PG76-22  
1 1/4" CL3 AS 0.38B PG76-22
- SHOULDERS — 4 1/2" DENSE GRADED AGGREGATE  
ASPHALT CURING SEAL (APPLY AT A RATE OF 2.0 LB/SY)  
4" DRAINAGE BLANKET (TYPE II ASPH PG64-22)  
8" CL2 AB 1.00D PG64-22 (4"+4")  
1 1/4" CL2 AS 0.50D PG64-22
- UNPAVED SHOULDER — EARTH SHOULDER
- ROADBED PREPARATION — 8" LIME MODIFIED ROADBED

**RIGHT OF WAY  
PLANS**

TYPICAL SECTIONS

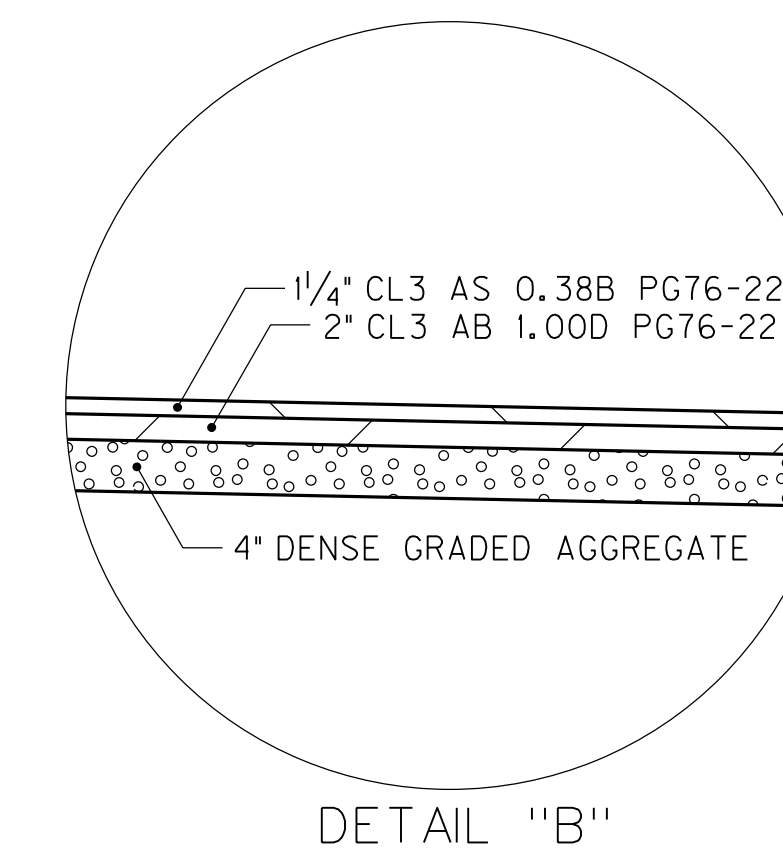
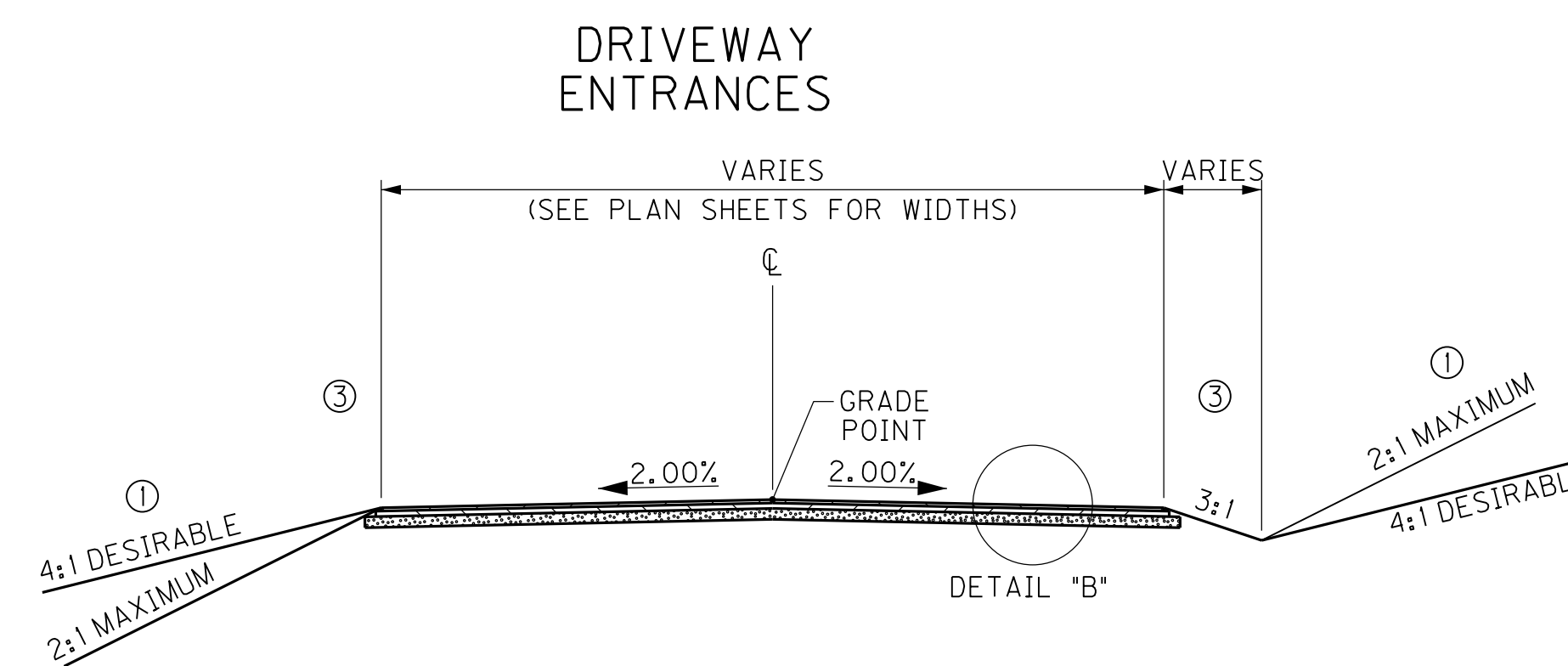
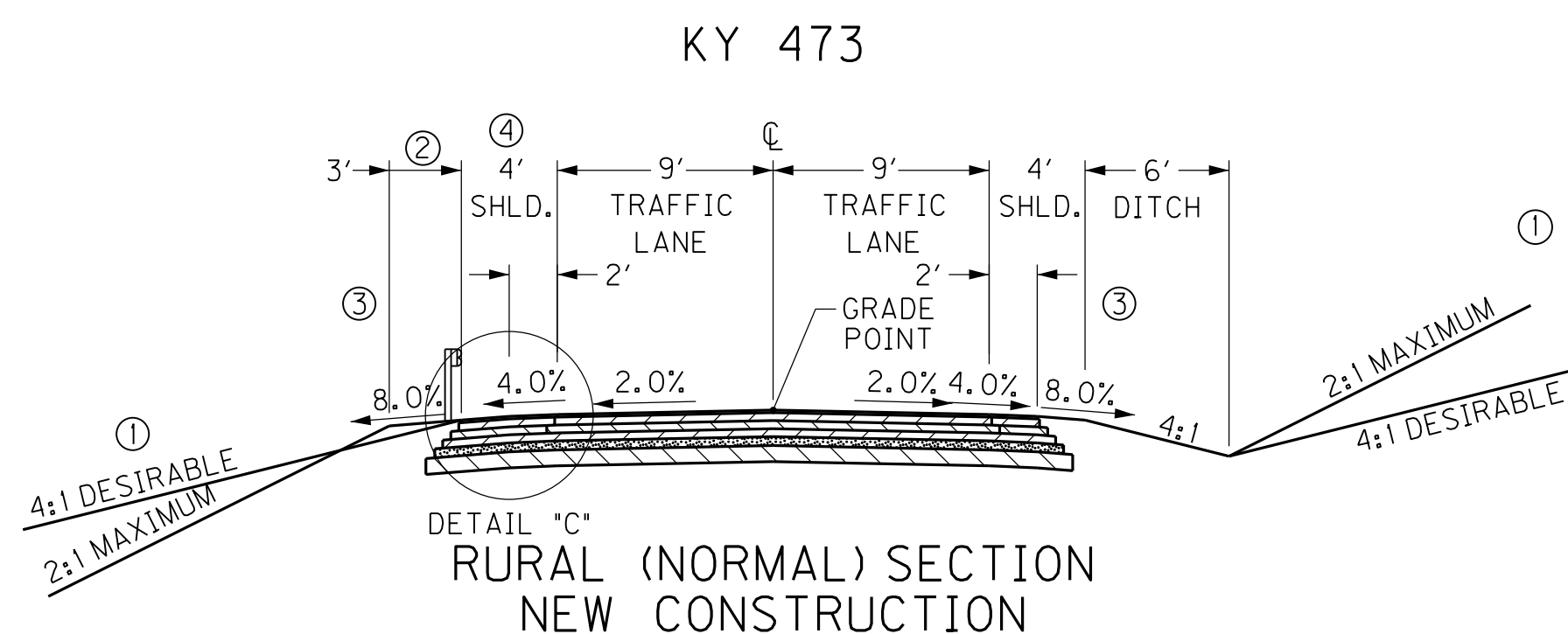
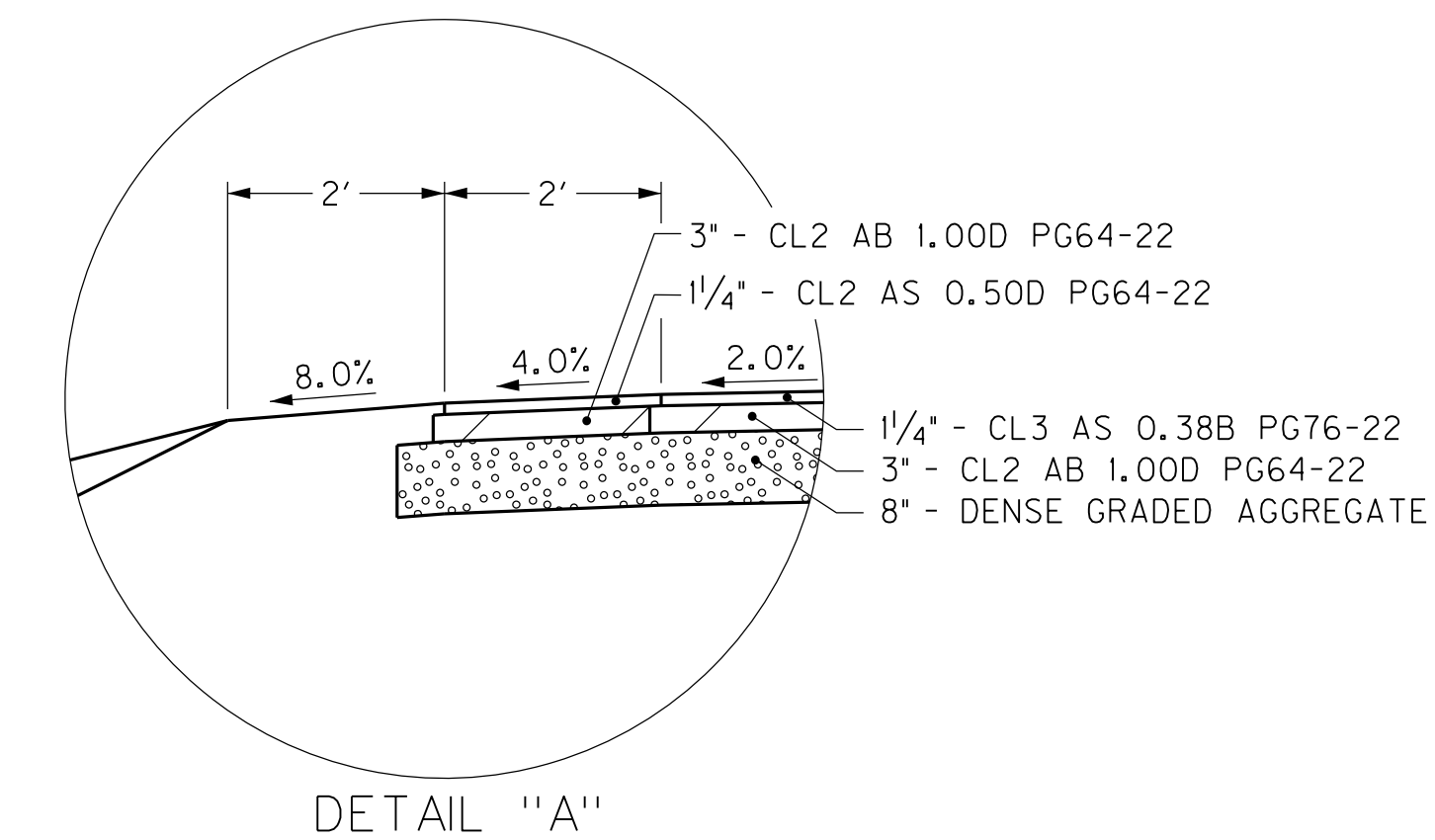
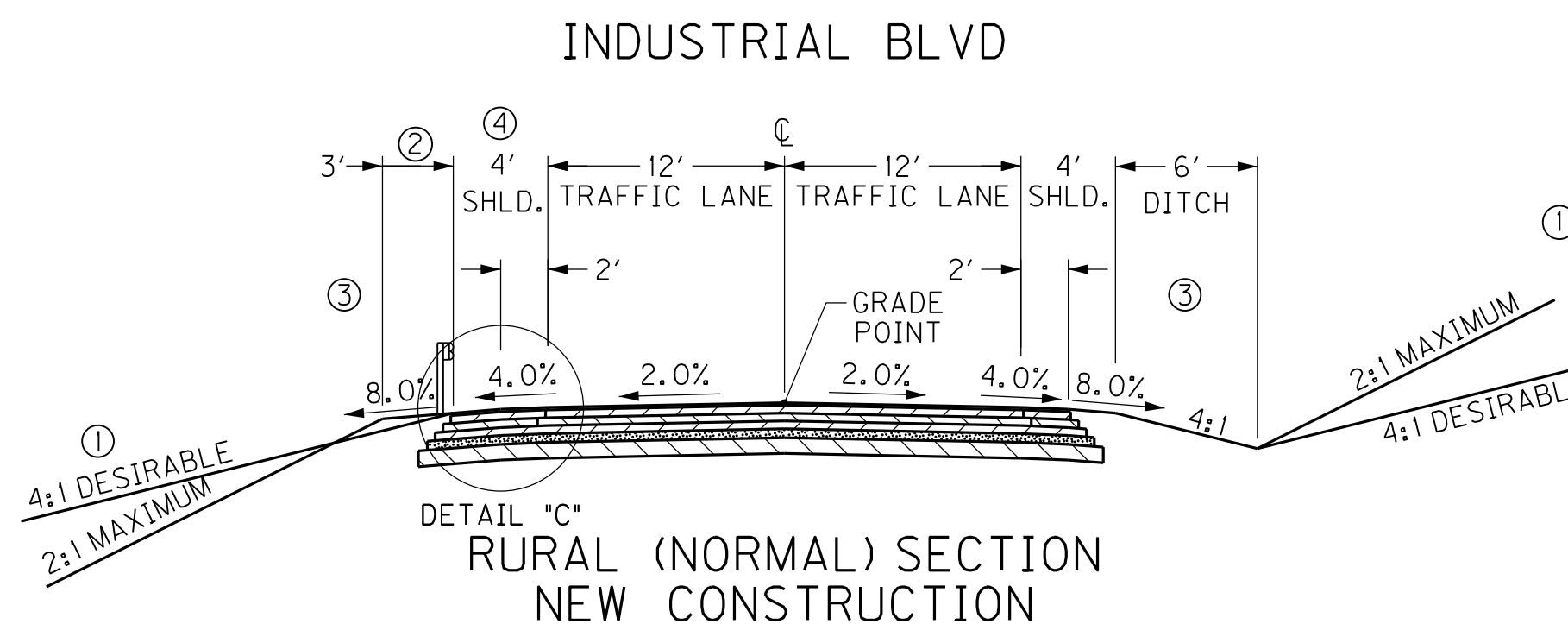
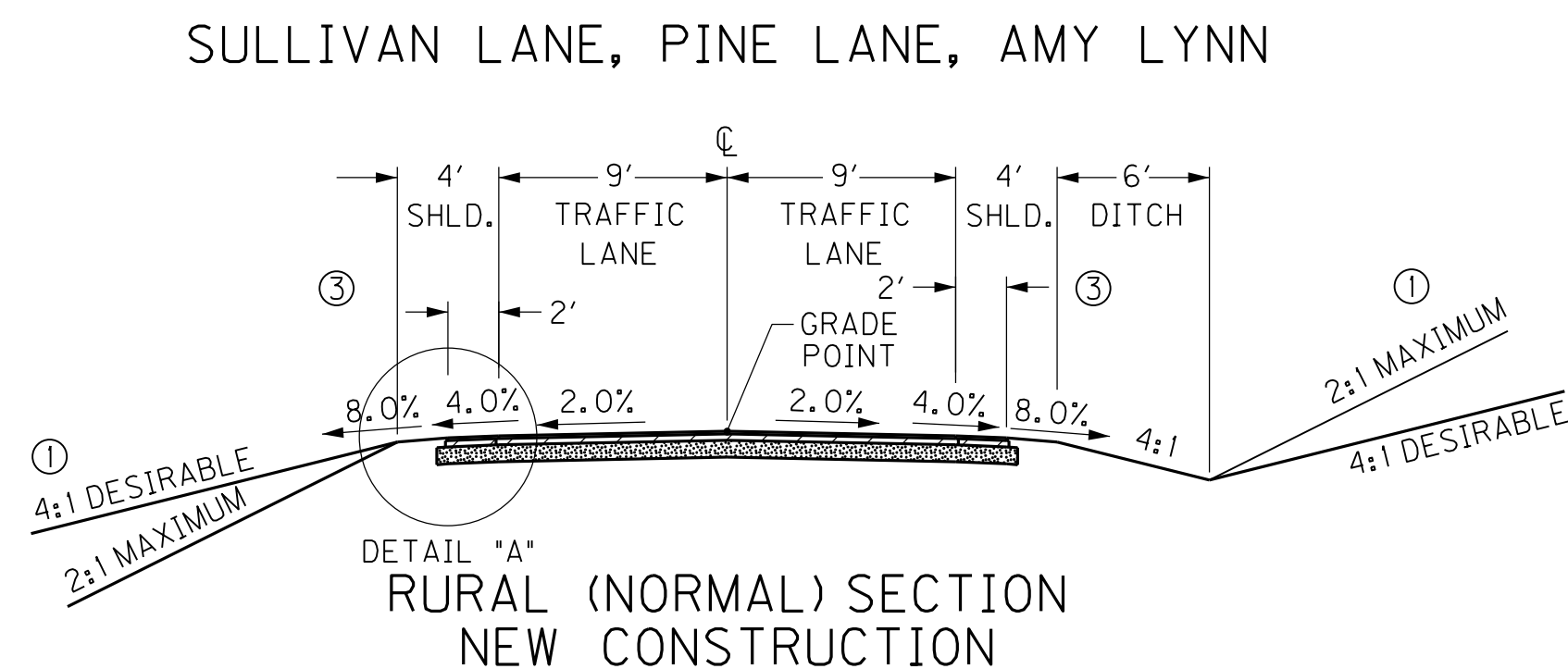
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DATE: \$\$\$DATE\$\$\$  
FILE NAME: \$\$\$designsfiles\$specifications\$\$\$  
E-SHEET NAME:

# TYPICAL SECTIONS APPROACH ROADS

- NOTES:
- FOR SLOPES OUTSIDE LIMITS OF SHOULDER SEE CROSS SECTIONS
  - SHOULDER SHALL BE WIDENED THREE (3) FEET WHERE GUARDRAIL IS TO BE INSTALLED
  - ASPHALT SEAL COAT REQUIRED FROM THE EDGE OF PAVED SHOULDER TO A POINT TWO (2) FEET DOWN THE CUT OR FILL SLOPE TO RETARD VEGETATION GROWTH AND HELP PREVENT EROSION
  - PAVED SHOULDER SHALL BE EXTENDED TO FACE OF GUARDRAIL WHEN GUARDRAIL IS TO BE INSTALLED.

NOTE:  
AS-ASPHALT SURFACE  
AB-ASPHALT BASE  
DGA-DENSE GRADED AGGREGATE

PREPARED BY AMERICAN ENGINEERS, INC. DATE 3-28-08  
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APPROVED BY \_\_\_\_\_ DATE \_\_\_\_\_



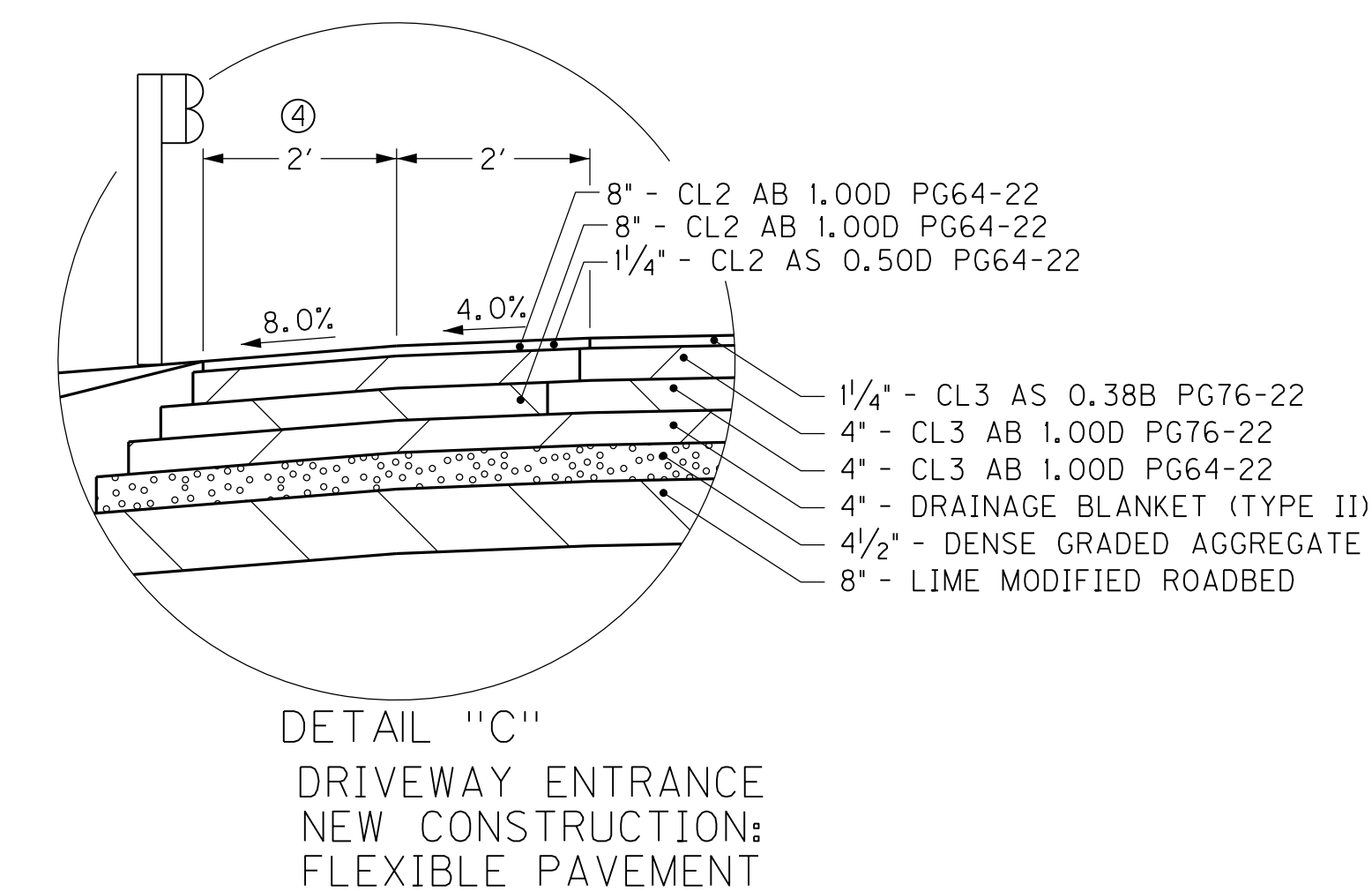
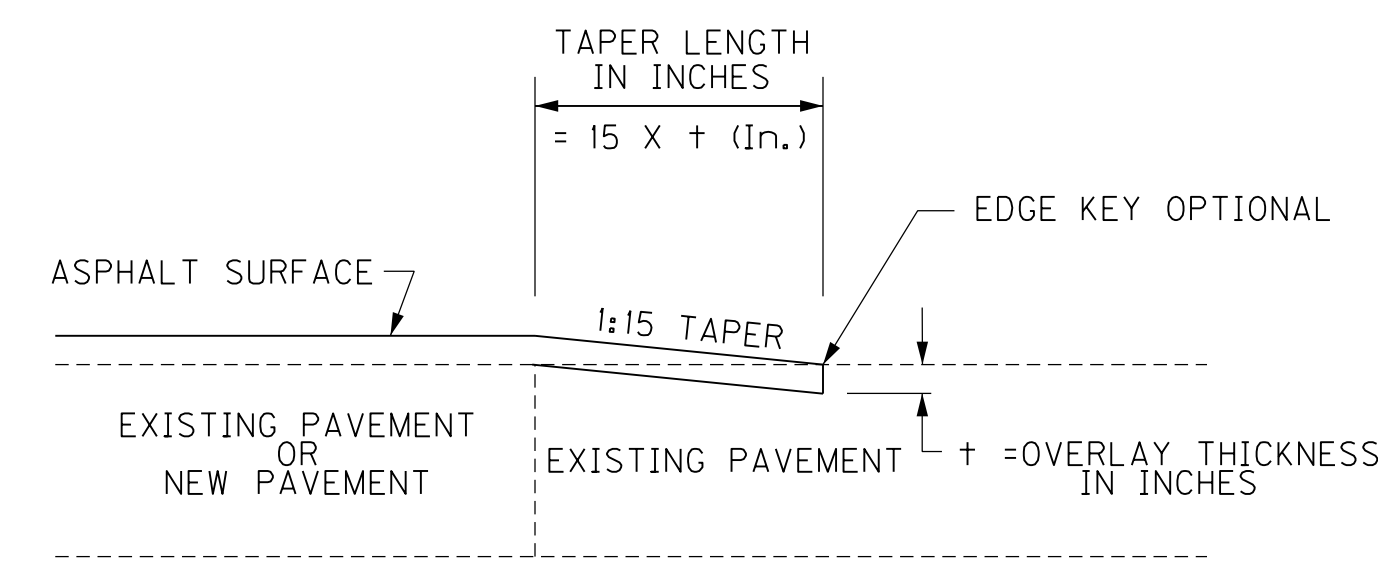
SULLIVAN LANE, PINE LANE CONNECTOR  
& AMY LYNN,  
PAVEMENT DESIGN  
NEW CONSTRUCTION:  
FLEXIBLE PAVEMENT

- |              |   |
|--------------|---|
| TRAFFIC LANE | 8" DENSE GRADED AGGREGATE<br>3" - CL2 AB 1.00D PG64-22<br>1 1/4" - CL3 AS 0.38B PG76-22 |
| SHOULDER     | 8" DENSE GRADED AGGREGATE<br>3" - CL2 AB 1.00D PG64-22<br>1 1/4" - CL2 AS 0.50D PG64-22 |
| ENTRANCES    | 4" DENSE GRADED AGGREGATE<br>2" CL3 AB 1.00D PG76-22<br>1 1/4" CL3 AS 0.38B PG76-22     |

KY 473 (GAGE ROAD) & INDUSTRIAL BLVD  
PAVEMENT DESIGN  
NEW CONSTRUCTION:  
FLEXIBLE PAVEMENT

- |              |   |
|--------------|---|
| TRAFFIC LANE | 4 1/2" DENSE GRADED AGGREGATE<br>ASPHALT CURING SEAL (APPLY<br>AT A RATE OF 2.0 LB/SY)<br>4" DRAINAGE BLANKET (TYPE II ASPH PG64-22)<br>4" CL3 AB 1.00D PG64-22<br>4" CL3 AB 1.00D PG76-22<br>1 1/4" CL3 AS 0.38B PG76-22 |
| SHOULDER     | 4 1/2" DENSE GRADED AGGREGATE<br>ASPHALT CURING SEAL (APPLY<br>AT A RATE OF 2.0 LB/SY)<br>4" DRAINAGE BLANKET<br>(TYPE II ASPH PG64-22)<br>8" CL2 AB 1.00D PG64-22 (4"+4")<br>1 1/4" CL2 AS 0.50D PG64-22                 |

- |                     |                          |
|---------------------|--------------------------|
| UNPAVED SHOULDER    | EARTH SHOULDER           |
| ROADBED PREPARATION | 8" LIME MODIFIED ROADBED |



**RIGHT OF WAY  
PLANS**

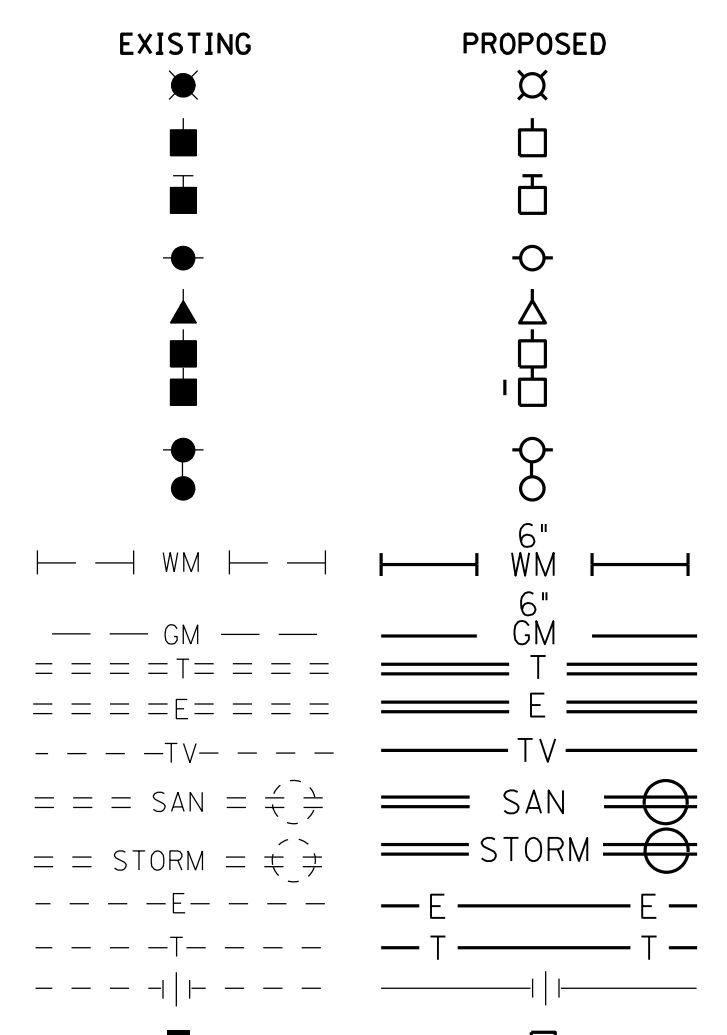
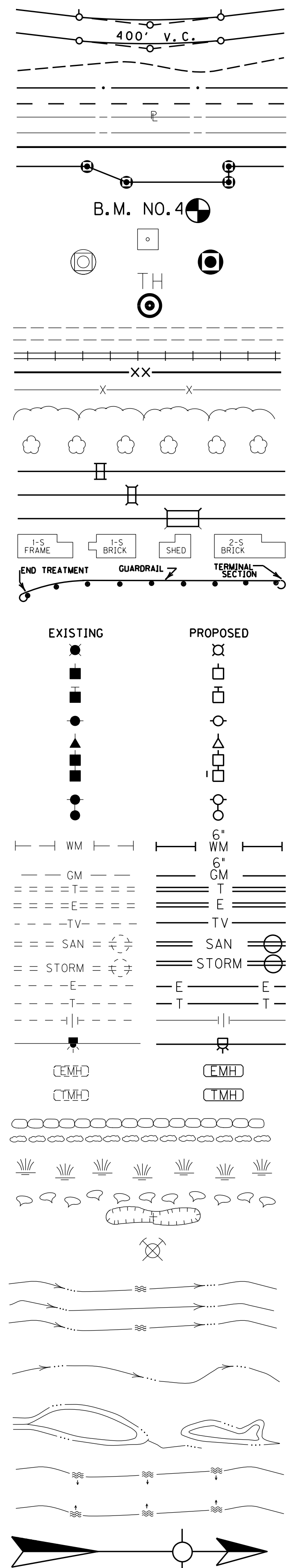
TYPICAL SECTIONS

USER: \$\$\$USER\$\$\$  
DATE: \$\$\$DATE\$\$\$  
FILE NAME: \$\$\$designsfiles\$specifications\$\$\$  
E-SHEET NAME:

COUNTY OF	ITEM NO.	SHEET NO.
BALLARD	1-115.00	R2f

**CONVENTIONAL SIGNS**

- SURVEY LINE
- GRADE LINE
- 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
- EXISTING R/W MARKER
- RIGHT OF WAY MONUMENT EXISTING/PROPOSED
- UTILITY TEST HOLE
- EXISTING ROAD
- RAILROAD
- FENCE (CONTROLLED ACCESS)
- FENCE (EXCEPT STONE AND HEDGE)
- TREE LINE
- TREES
- PIPE CULVERT
- CULVERT
- BRIDGE
- BUILDINGS
- GUARDRAIL
- LIGHTING POLE
- POWER POLE
- JOINT POWER & TELEPHONE POLE
- TELEPHONE & TELEGRAPH POLE
- ANCHOR, POWER OR TELEPHONE
- STUB POWER
- STUB TELEPHONE
- WATER MAIN
- GAS MAIN
- TELEPHONE DUCT
- ELECTRIC DUCT
- DIRECT BURIAL TV CABLE
- SANITARY SEWER (WITH MANHOLE)
- STORM SEWER (WITH MANHOLE)
- DIRECT BURIAL ELECTRIC CABLE
- DIRECT BURIAL TELEPHONE CABLE
- OVERHEAD WIRE
- TRAFFIC LIGHTS
- ELECTRIC MANHOLE
- TELEPHONE MANHOLE
- 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



UTILITY COMPANIES

BALLARD RURAL TELEPHONE COOPERATIVE  
P.O. BOX 295  
LOCCENTER, KY. 42056  
270-665-5186

CITY OF KEVIL (WATER, SEWER, AND NATURAL GAS)  
1009 CLYDE ELROD AVENUE  
KEVIL, KY. 42053  
270-462-3104

JACKSON PURCHASE ENERGY CORPORATION (ELECTRIC)  
2900 IRVIN COBB DRIVE  
PADUCAH, KY. 42002  
270-442-7321

GALAXY CABLEVISION  
1718 BARLOW ROAD  
WICKLIFFE, KENTUCKY 42087

**BEFORE YOU DIG**

CALL 1-800-752-6007 TOLL FREE A MINIMUM OF TWO AND NO MORE THAN TEN BUSINESS DAYS PRIOR TO EXCAVATION FOR INFORMATION ON THE LOCATION OF EXISTING UNDERGROUND UTILITIES WHICH SUBSCRIBE TO THE BEFORE-U-DIG (BUD) SERVICE. COORDINATE EXCAVATION WITH ALL UTILITY OWNERS, INCLUDING THOSE WHO DO NOT SUBSCRIBE TO BUD. SHOW ALL UTILITIES AND A CONTACT PERSON FOR EACH COMPANY ON SHEET NO. 3 OF THE PLANS.

**RIGHT OF WAY  
PLANS**

SCALE: 1"= 50'

**Commonwealth of Kentucky**  
**DEPARTMENT OF HIGHWAYS**  
COUNTY OF  
**BALLARD**

PROJECT FD04 1550 C004 E143  
NUMBERS:

US 60  
STA. 96+75 TO STA. 110+00

USER: \$\$\$USER\$\$\$  
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PREPARED BY AMERICAN ENGINEERS, INC. DATE 3-28-08  
CHECKED BY AMERICAN ENGINEERS, INC. DATE 3-28-08  
APPROVED BY \_\_\_\_\_ DATE \_\_\_\_\_

PREPARED BY AMERICAN ENGINEERS, INC. DATE 3-28-08  
 CHECKED BY AMERICAN ENGINEERS, INC. DATE 3-28-08  
 APPROVED BY \_\_\_\_\_ DATE \_\_\_\_\_

- Lt. 96+75--28.98' Ex. Fence
- Lt. 97+57.87--30.63' Ex. Fence
- Lt. 97+60.07--43.74' Ex. Fence
- Lt. 98+39.08--177.29' Ex. 1-Sty. Brick
- Lt. 98+58.88--44.14' Ex. Post
- Lt. 98+79.41--36.96' Ex. Post
- Lt. 98+91.81--187.03' Ex. 1-Sty. Brick
- Lt. 98+92.97--65.27' Ex. 12' Pecan Tree
- Lt. 99+25.86--61.69' Ex. 12' Pecan Tree
- Lt. 99+55.93--76.87' Ex. 12' Pecan Tree
- Lt. 99+59.50--21.42' Ex. Sign
- Lt. 99+75.49--31.06' Ex. Sign
- Lt. 99+88.25--51.01' Ex. 12' Pecan Tree
- Lt. 100+67.45--51.36' Ex. 13' Double Pecan Tree
- Lt. 101+42.91--68.33' Ex. Fence
- Lt. 101+46.59--39.34' Ex. Fence
- Lt. 101+48.97--41.10' Ex. Utility Pole
- Lt. 101+70--36' Ex. 18' Triple Oak Tree
- Lt. 102+05--36' Ex. 10' Oak Tree
- Lt. 102+13.58--107.52' Ex. 1-Sty. Brick
- Lt. 102+75.03--46.54' Ex. Post
- Lt. 102+25--37' Ex. 14' Oak Tree
- Lt. 102+56--40' Ex. 10' Forked Mulberry Tree
- Lt. 103+01.35--112.10' Ex. 1-Sty. Brick
- Lt. 103+04.62--46.71' Ex. Post
- Lt. 103+28.15--40.59' Ex. Gas Meter
- Lt. 103+33.31--47.44' Ex. Guy Anchor
- Lt. 103+35--45' Ex. 23' Oak Tree
- Lt. 103+36.27--41.15' Ex. Utility Pole
- Lt. 103+45--52' Ex. 7' Cherry Tree
- Lt. 103+48.04--33.34' (2) Ex. Telephone Pedestals
- Lt. 103+59.49--35.49' Ex. Post
- Lt. 104+11.29--125.57' Ex. 2-Sty. Brick
- Lt. 104+28.23--52.39' Ex. 6' Maple Tree

- Lt. 104+70.25--48.38' Ex. 18' Maple Tree
- Lt. 104+76.21--135.97' Ex. 2-Sty. Brick
- Lt. 104+83.55--87.25' Ex. 12' Maple Tree
- Lt. 104+87.21--65.88' Ex. 12' Maple Tree
- Lt. 104+89.15--134.85' Ex. Utility Pole
- Lt. 105+54--118' Ex. 14' Hickory Tree
- Lt. 105+58.04--76.76' Ex. Utility Pole
- Lt. 105+70--62' Ex. 15' Oak Tree
- Lt. 105+80--110' Ex. 13' Hickory Tree
- Lt. 105+88--86' Ex. 24' Hickory Tree
- Lt. 105+96.69--44.07' Ex. Utility Pole
- Lt. 106+05--84' Ex. 20' Hickory Tree
- Lt. 106+29--81' Ex. 14' Hickory Tree
- Lt. 106+33.31--61.14' Ex. Gas Meter
- Lt. 106+39--82' Ex. 14' Hickory Tree
- Lt. 106+54--82' Ex. 7' Wild Cherry Tree
- Lt. 106+59.99--134.06' Ex. 1-Sty. Brick
- Lt. 106+77--80' Ex. 24' Oak Tree
- Lt. 106+88--98' Ex. 14' Hickory Tree
- Lt. 106+91.78--5.39' Ex. Mailbox
- Lt. 106+98.03--48.42' Ex. Utility Pole

- Lt. 107+00.96--131.85' Ex. 1-Sty. Brick
- Lt. 107+15.69--153.33' Ex. Carport
- Lt. 107+22.33--78.03' Ex. 22' Hickory Tree
- Lt. 107+40.32--150.39' Ex. Carport
- Lt. 107+46.52--123.29' Ex. Electric Pole
- Lt. 107+97--63' Ex. 20' Shagbush Hickory Tree
- Lt. 108+11--63' Ex. 23' Hickory Tree
- Lt. 108+26.10--139.03' Ex. 1-Sty. Brick
- Lt. 108+24--63' Ex. 27' Oak Tree
- Lt. 108+38.66--59.02' Ex. Gas Meter
- Lt. 108+45.76--10.50' Ex. Sign
- Lt. 108+47--116' Ex. 30' Oak Tree
- Lt. 108+50.97--12.29' Ex. Headwall
- Lt. 108+52.46--39.03' Ex. Headwall
- Lt. 108+55.94--40.59' Ex. Sign
- Lt. 108+80.38--140.07' Ex. 1-Sty. Brick
- Lt. 109+36--70' Ex. 21' Hickory Tree
- Lt. 109+46--71' Ex. 18' Hickory Tree
- Lt. 109+65.12--106.61' Ex. Barn
- Lt. 109+76.27--75.45' Ex. 18' Hickory Tree
- Lt. 109+97.88--61.54' Ex. T-Post

DITCH CONSTRUCTION (US 60) LT.							
STATION	SIZE-SHAPE	TYPE	QUANTITY	LINING			
				D	T	FILTER FABRIC	SHEAR
96+75 TO 98+50	SPCL. *V*	E.C.B.	166 SY	1.5'	--	--	0.62
98+90 TO 102+77	SPCL. *V*	E.C.B.	461 SY	1.5'	--	--	--
103+28.90 TO 103+91.05	SPCL. *V*	E.C.B.	74 SY	1.5'	--	--	--
104+22.96 TO 105+06.04	SPCL. *V*	E.C.B.	99 SY	1.5'	--	--	--
105+33.96 TO 105+98	SPCL. *V*	E.C.B.	76 SY	1.5'	--	--	0.25
105+98 TO 106+96.97	SPCL. *V*	E.C.B.	100 SY	1.5'	--	--	--
107+25 TO 109+11.50	SPCL. *V*	E.C.B.	189 SY	1.5'	--	--	--
109+39.50 TO 110+00	SPCL. *V*	E.C.B.	61 SY	1.5'	--	--	--

ENTRANCE CONSTRUCTION (US 60) LT.									
STATION	TYPE	WIDTH	RADIUS	DGA TON	BASE TON	SURF. TON	DIA.	TYPE	LENGTH
98+70	RES.	18'	25' 25'	31	13	9	18"	----	40
102+90	RES.	18'	25' 25'	52	24	15	18"	----	52
104+07	RES.	18'	25' 25'	32	15	9	18"	----	32
105+20	RES.	18'	25' 25'	38	18	11	18"	----	28
107+10	RES.	18'	25' 25'	38	18	11	18"	----	28
109+25	RES.	18'	25' 25'	48	22	14	18"	----	28

CURTIS R. & KELLI A. GEEDING

US 60 STA. 96+75 BEGIN PROJECT

MARION T. & MARJORIE L. BILLINGTON

JOSEPH L. & SHARON K. HAMILTON

KENNETH R. & TINA R. SMITH

JAN L. & T.J. BOWLES Jr.

JAMES H., JOYCE & STEVE SULLIVAN

THOMAS DAVID & VICKIE D. BOWLES

SEEDING & PROTECTION CONSTRUCTION  
 RT. STA. 103+00 TO STA. 110+00  
 CONST. 5672 SY. SEEDING & PROTECTION

**RIGHT OF WAY PLANS**

US 60  
 STA. 96+75 TO STA. 110+00

SCALE: 1"=50'

ENTRANCE CONSTRUCTION (US 60) RT.							ENT. PIPE		
STATION	TYPE	WIDTH	RADIUS	DGA TON	BASE TON	SURF. TON	DIA.	TYPE	LENGTH
98+70	RES.	18'	25' 25'	28	13	8	15"	----	28
103+65	RES.	18'	25' 25'	45	21	13	18"	----	28

DITCH CONSTRUCTION (US 60) RT.							
STATION	SIZE-SHAPE	TYPE	QUANTITY	LINING			
				D	T	FILTER FABRIC	SHEAR
96+75 TO 98+56.50	SPCL. *V*	E.C.B.	183 SY	1.5'	--	--	--
98+85.50 TO 103+46.95	SPCL. *V*	E.C.B.	462 SY	1.5'	--	--	--
103+75 TO 107+38	SPCL. *V*	E.C.B.	364 SY	1.5'	--	--	0.53
107+38 TO 110+00	SPCL. *V*	E.C.B.	249 SY	1.5'	--	--	--

E.C.B.-EROSION CONTROL BLANKET  
 STA. 96+75, CONST. 28 LF, EDGE KEY

RIGHT-OF-WAY MARKER CONSTRUCTION  
 CONST. 6 R/W MARKERS-RURAL TYPE I,  
 AS SHOWN

PI STA 101+25.02  
 Δ = 2° 09' 15" LT.  
 T = 413.61  
 L = 827.11  
 R = 22000  
 N.C.  
 Runoff =  
 Runout =

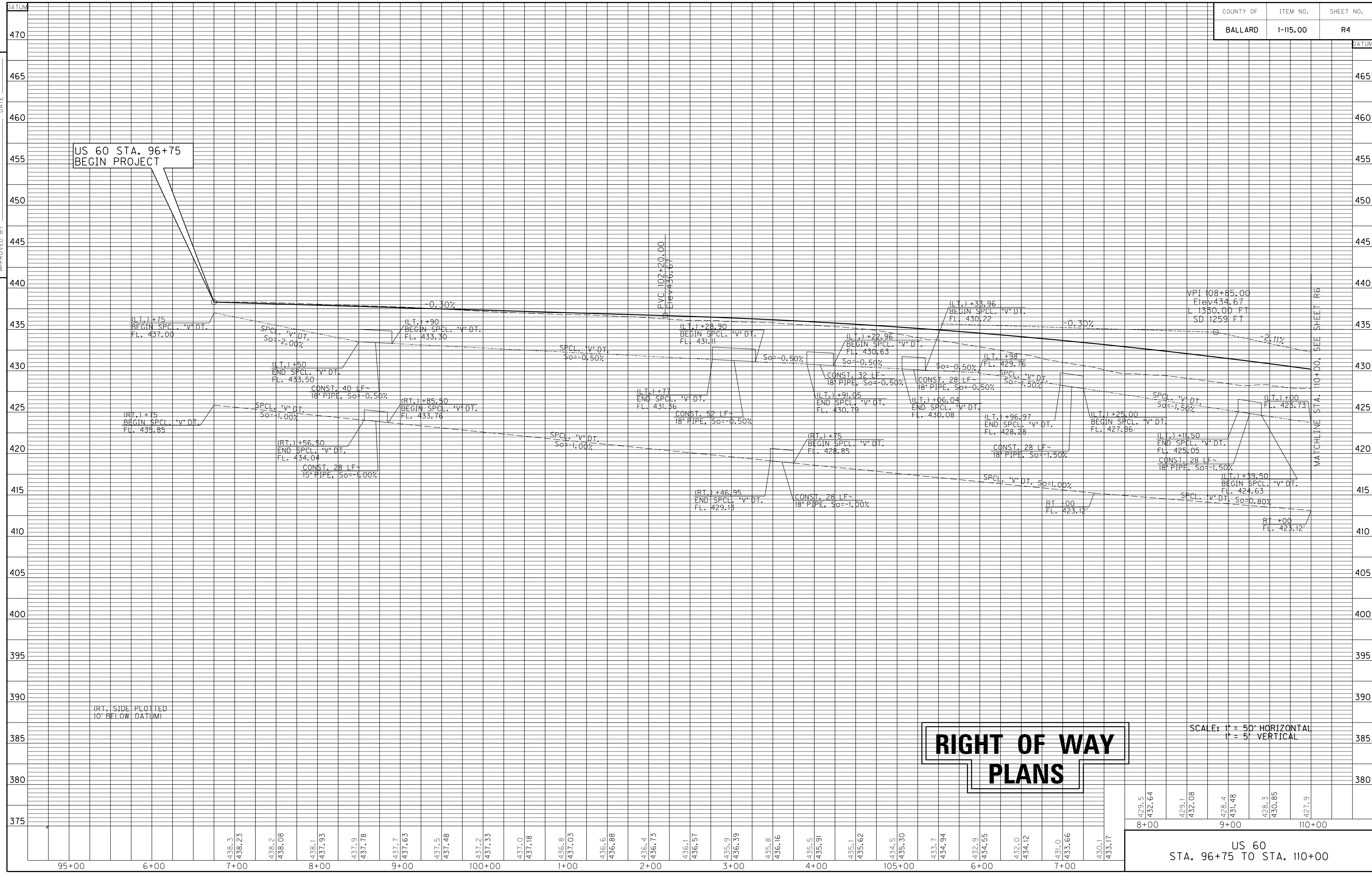
- Δ S 81° 23' 05" E Δ 108+31.44
- Δ S 80° 46' 05" E Δ 85.86'
- Δ N 81° 42' 57" W Δ S 83° 19' 18" E
- Δ S 2° 59' 12" W Δ 97+74.09
- Δ 102+85.40 Δ S 1° 54' 52" W
- Δ N 81° 01' 45" W Δ S 1° 22' 50" W
- Δ 103+41.22 Δ 103+34.82
- Δ N 81° 01' 45" W Δ S 81° 41' 43" E
- Δ N 81° 01' 45" W Δ S 81° 41' 43" E
- Δ 105+62.47 Δ S 82° 17' 17" E

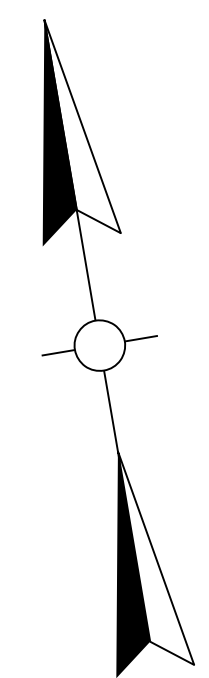
- Rt. 97+68.86--34.96' Ex. Light Pole
- Rt. 97+72.33--20.54' Ex. Headwall
- Rt. 98+05.84--19.81' Ex. Headwall
- Rt. 101+44.40--32.17' Ex. Light Pole
- Rt. 101+46.39--47.31' Ex. Guy Anchor
- Rt. 102+01.90--16.55' Ex. Sign
- Rt. 102+66.12--11.51' Ex. Sign
- Rt. 102+66.29--13.95' Ex. Sign
- Rt. 103+42.28--84.23' Ex. 2' Pear Tree
- Rt. 103+70.44--37.06' Ex. Light Pole
- Rt. 103+78.94--49.19' Ex. Guy Anchor
- Rt. 103+72.13--25.46' Ex. Gas Meter
- Rt. 103+81.61--80.73' Ex. 2' Pear Tree
- Rt. 103+84.89--6.57' Ex. Mailbox
- Rt. 104+52.68--477.10' Ex. 1 Story Brick
- Rt. 104+64.04--2.20' Ex. Mailbox
- Rt. 104+72.72--474.58' Ex. 1 Story Brick
- Rt. 106+71.22--16.43' Ex. Light Pole
- Rt. 109+47.60--8.68' Ex. Utility Pole
- Rt. 109+48.26--8.00' Ex. Light Pole

USER: \$\$\$USER\$\$\$  
 DATE: \$\$\$DATE\$\$\$  
 FILE NAME: \$\$\$designsfiles\$\$\$specifications\$\$\$  
 E-SHEET NAME:

MATCHLINE STA. 110+00, SEE SHEET R5

PREPARED BY AMERICAN ENGINEERS, INC. DATE 3-28-08  
 CHECKED BY AMERICAN ENGINEERS, INC. DATE 3-28-08  
 APPROVED BY \_\_\_\_\_ DATE \_\_\_\_\_





Control of Access is by Permit to Sta. 114+50

RIGHT-OF-WAY MARKER CONSTRUCTION  
CONST. 13 R/W MARKER-RURAL TYPE 1, AS SHOWN

BEGIN STATION	TERM. SEC.	END TREAT.	END STATION	TERM. SEC.	END TREAT.	LENGTH
121+27.50	--	TY 2A	125+00	--	--	372.5

FENCE CONSTRUCTION  
LT. STA. 114+00 TO STA. 125+00  
CONST. 1215 LF. WOVEN WIRE FENCE TYPE I

SEEDING & PROTECTION CONSTRUCTION  
LT. STA. 110+00 TO STA. 125+00  
CONST. 12251 SY. SEEDING & PROTECTION

BEARING	LENGTH	BEARING	LENGTH	BEARING	LENGTH
N 72°45'31" E	52.53'	N 110°49.09	63.72'	N 56°58'34" E	28.79'
N 57°33'20" E	81.71'	N 85°30'55" W	74.77'	N 76°41'16" E	85.48'
N 25°07'25" E	52.38'	N 112+51.02	89.72'	N 114-88.66	180.70'
N 63°20'41" E	25.452'	N 78°59'47" W	80.40'	N 13-33.56	105.17'
S 54°56'48" E	56.07'	S 72°45'31" W	12.72'	N 55°29'58" E	8.54'
N 70°33'26" E	144.15'	S 57°33'20" W	41.24'		
N 55°32'24" E	12.44'	S 57°33'20" W	5.01'		
S 64°33'16" E	66.48'	S 13+18.85	69.88'		
S 89°22'02" E	363.46'	S 26°23'42" E	28.25'		
S 37°54'15" E	74.51'	S 55°47'48" W	57.88'		
N 55°32'24" E	12.44'	S 13+28.45	95.25'		
N 0°41'25" E	51.21'	N 53°37'21" E	274.65'		

PAVEMENT REMOVAL  
REMOVE 878 SY EX. PAVEMENT, AS SHOWN

GRAVEL REMOVAL  
REMOVE 67 SY EX. GRAVEL, AS SHOWN

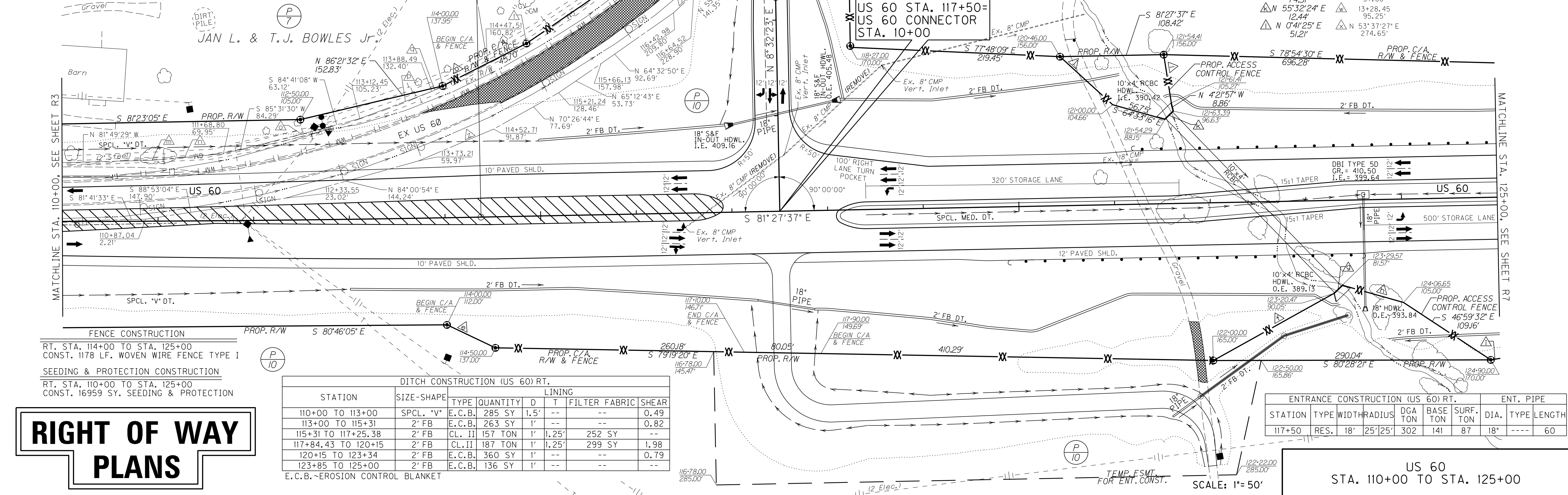
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APPROVED BY \_\_\_\_\_ DATE \_\_\_\_\_

DITCH CONSTRUCTION (US 60) LT.							
STATION	SIZE-SHAPE	TYPE	QUANTITY	D	T	FILTER FABRIC	SHEAR
110+00 TO 115+00	SPCL. *V	E.C.B.	506 SY	1.5'	--	--	0.73
115+00 TO 116+94.41	2' FB	CL. II	171 TON	1.0'	1.25'	273 SY	--
118+15.37 TO 121+08	2' FB	CL. II	281 TON	1.0'	1.25'	450 SY	1.57
121+53 TO 125+00	2' FB	E.C.B.	405 SY	1.0'	--	--	0.58

DITCH CONSTRUCTION (US 60) MEDIAN							
STATION	SIZE-SHAPE	TYPE	QUANTITY	D	T	FILTER FABRIC	SHEAR
118+40 TO 119+31	SPCL. *V	E.C.B.	85 SY	1.5'	--	--	0.3
119+31 TO 123+60	SPCL. *V	E.C.B.	407 SY	1.5'	--	--	0.23
123+60 TO 125+00	SPCL. *V	E.C.B.	133 SY	1.5'	--	--	0.23

CONSTRUCT STEEL W-BEAM GUARDRAIL RT. (SINGLE FACE)					
BEGIN STATION	TERM. SEC.	END STATION	TERM. SEC.	END TREAT.	LENGTH
119+96.00	--	123+58.50	--	TY 2A	362.5 FT

P.I. STA. 110+15.44  
L = 2'00'57" LT.  
Δ = 844.39  
R = 24000  
E = 3.71  
e = N.C.  
Runoff = N/A  
Runout = N/A



JAN L. & T.J. BOWLES Jr.

JAMES H., JOYCE & STEVE SULLIVAN

US 60 STA. 117+50 = US 60 CONNECTOR STA. 10+00

# RIGHT OF WAY PLANS

DITCH CONSTRUCTION (US 60) RT.							
STATION	SIZE-SHAPE	TYPE	QUANTITY	D	T	FILTER FABRIC	SHEAR
110+00 TO 113+00	SPCL. *V	E.C.B.	285 SY	1.5'	--	--	0.49
113+00 TO 115+31	2' FB	E.C.B.	263 SY	1'	--	--	0.82
115+31 TO 117+25.38	2' FB	CL. II	157 TON	1'	1.25'	252 SY	--
117+84.43 TO 120+15	2' FB	CL. II	187 TON	1'	1.25'	299 SY	1.98
120+15 TO 123+34	2' FB	E.C.B.	360 SY	1'	--	--	0.79
123+85 TO 125+00	2' FB	E.C.B.	136 SY	1'	--	--	--

ENTRANCE CONSTRUCTION (US 60) RT.							ENT. PIPE		
STATION	TYPE	WIDTH	RADIUS	DGA TON	BASE TON	SURF. TON	DIA.	TYPE	LENGTH
117+50	RES.	18'	25'25'	302	141	87	18"	----	60

US 60 STA. 110+00 TO STA. 125+00

SCALE: 1"=50'

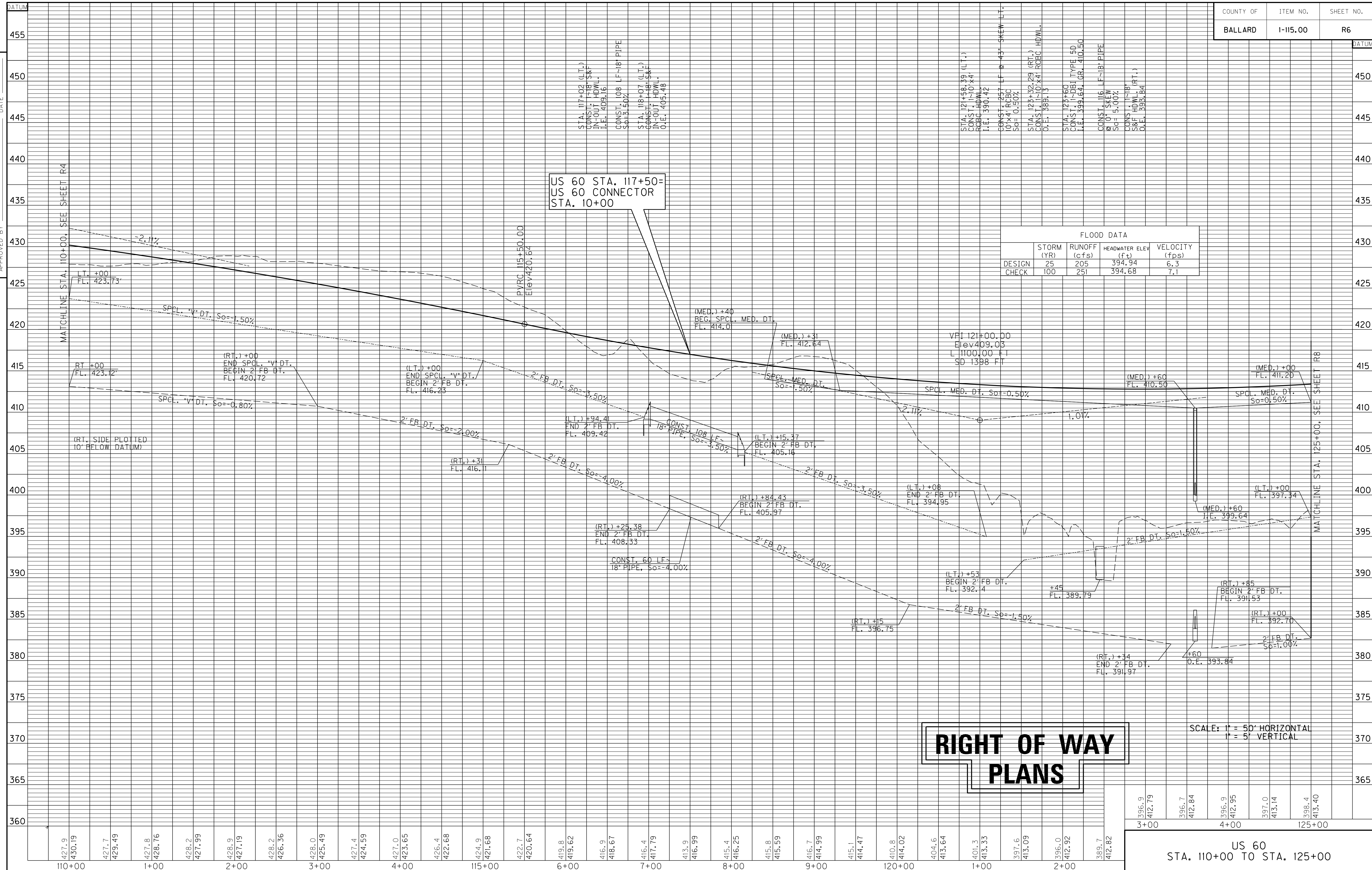
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DATE: \$\$\$DATE\$\$\$  
FILE NAME: \$\$\$designsfiles\$\$\$  
E-SHEET NAME:



PREPARED BY AMERICAN ENGINEERS, INC. DATE 3-28-08  
 CHECKED BY AMERICAN ENGINEERS, INC. DATE 3-28-08  
 APPROVED BY \_\_\_\_\_ DATE \_\_\_\_\_

USER: \$\$\$USER\$\$\$  
 DATE: \$\$\$DATE\$\$\$  
 FILE NAME: \$\$\$designsfiles\$\$\$specifications\$\$\$  
 E-SHEET NAME:

COUNTY OF	ITEM NO.	SHEET NO.
BALLARD	1-115.00	R6



FLOOD DATA			
DESIGN CHECK	STORM (YR)	RUNOFF (cfs)	HEADWATER ELEV (ft)
	25	205	394.94
	100	251	394.68
			VELOCITY (fps)
			6.3
			7.1

US 60 STA. 117+50=  
 US 60 CONNECTOR  
 STA. 10+00

**RIGHT OF WAY  
 PLANS**

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

396.9	412.79	396.7	412.84	396.9	412.95	397.0	413.14	398.4	413.40
3+00		4+00		4+00		125+00			

US 60  
 STA. 110+00 TO STA. 125+00

PREPARED BY AMERICAN ENGINEERS, INC. DATE 3-28-08  
 CHECKED BY AMERICAN ENGINEERS, INC. DATE 3-28-08  
 APPROVED BY DATE

DITCH CONSTRUCTION (US 60) LT.

STATION	SIZE-SHAPE	TYPE	QUANTITY	D	T	FILTER FABRIC	SHEAR
125+00 TO 128+30	2' FB	E.C.B.	376 SY	1'	--	--	0.74
128+30 TO 129+17	2' FB	E.C.B.	115 SY	1'	--	--	0.08
129+84 TO 134+75	SPCL. "V"	E.C.B.	480 SY	1.5'	--	--	0.2
134+75 TO 139+00	2' FB	E.C.B.	484 SY	1'	--	--	0.89
139+00 TO 140+00	2' FB	E.C.B.	114 SY	1'	--	--	--

E.C.B. - EROSION CONTROL BLANKET

DITCH CONSTRUCTION (US 60) MEDIAN

STATION	SIZE-SHAPE	TYPE	QUANTITY	D	T	FILTER FABRIC	SHEAR
125+00 TO 125+56	SPCL. MED.	E.C.B.	53 SY	1.5'	--	--	0.22
125+56 TO 128+60	SPCL. MED.	E.C.B.	289 SY	1.5'	--	--	0.33
130+40 TO 134+38.17	SPCL. MED.	E.C.B.	378 SY	1.5'	--	--	0.21
134+38.17 TO 139+25	SPCL. MED.	E.C.B.	462 SY	1.5'	--	--	0.71
139+25 TO 140+00	SPCL. MED.	E.C.B.	71 SY	1.5'	--	--	--

E.C.B. - EROSION CONTROL BLANKET

CONSTRUCT STEEL W-BEAM GUARDRAIL LT. (SINGLE FACE)

BEGIN STATION	TERM. SEC.	END TREAT.	END STATION	TERM. SEC.	END TREAT.	LENGTH
125+00	--	--	126+02.50	--	Ty. I	102.50 FT

FRED P. & BARBARA A. HERTLEIN

SEEDING & PROTECTION CONSTRUCTION  
 LT. STA. 125+00 TO STA. 140+00  
 CONST. 7372 SY. SEEDING & PROTECTION

FENCE CONSTRUCTION  
 LT. STA. 125+00 TO STA. 140+00  
 CONST. 1627 LF. WOVEN WIRE FENCE TYPE I

RIGHT-OF-WAY MARKER CONSTRUCTION  
 CONST. 17 R/W MARKERS-RURAL TYPE I,  
 AS SHOWN

SEEDING & PROTECTION CONSTRUCTION  
 RT. STA. 125+00 TO STA. 140+00  
 CONST. 12194 SY. SEEDING & PROTECTION

DITCH CONSTRUCTION (US 60) RT.

STATION	SIZE-SHAPE	TYPE	QUANTITY	D	T	FILTER FABRIC	SHEAR
125+00 TO 125+42	2' FB	E.C.B.	48 SY	1.0'	--	--	0.17
125+42 TO 128+80	2' FB	CL. II	241 TON	1.0'	1.25'	385 SY	1.66
128+80 TO 129+20	2' FB	E.C.B.	80 SY	1.0'	--	--	0.32
129+84 TO 131+50	SPCL. "V"	E.C.B.	190 SY	1.5'	--	--	0.16
131+50 TO 135+10	SPCL. "V"	E.C.B.	342 SY	1.5'	--	--	0.51
135+10 TO 138+00	2' FB	CL. II	206 TON	1.0'	--	330 SY	1.62
138+00 TO 139+25	2' FB	CL. II	89 TON	1.0'	--	142 SY	1.72
139+25 TO 140+00	2' FB	E.C.B.	85 SY	1.0'	--	--	--

E.C.B. - EROSION CONTROL BLANKET

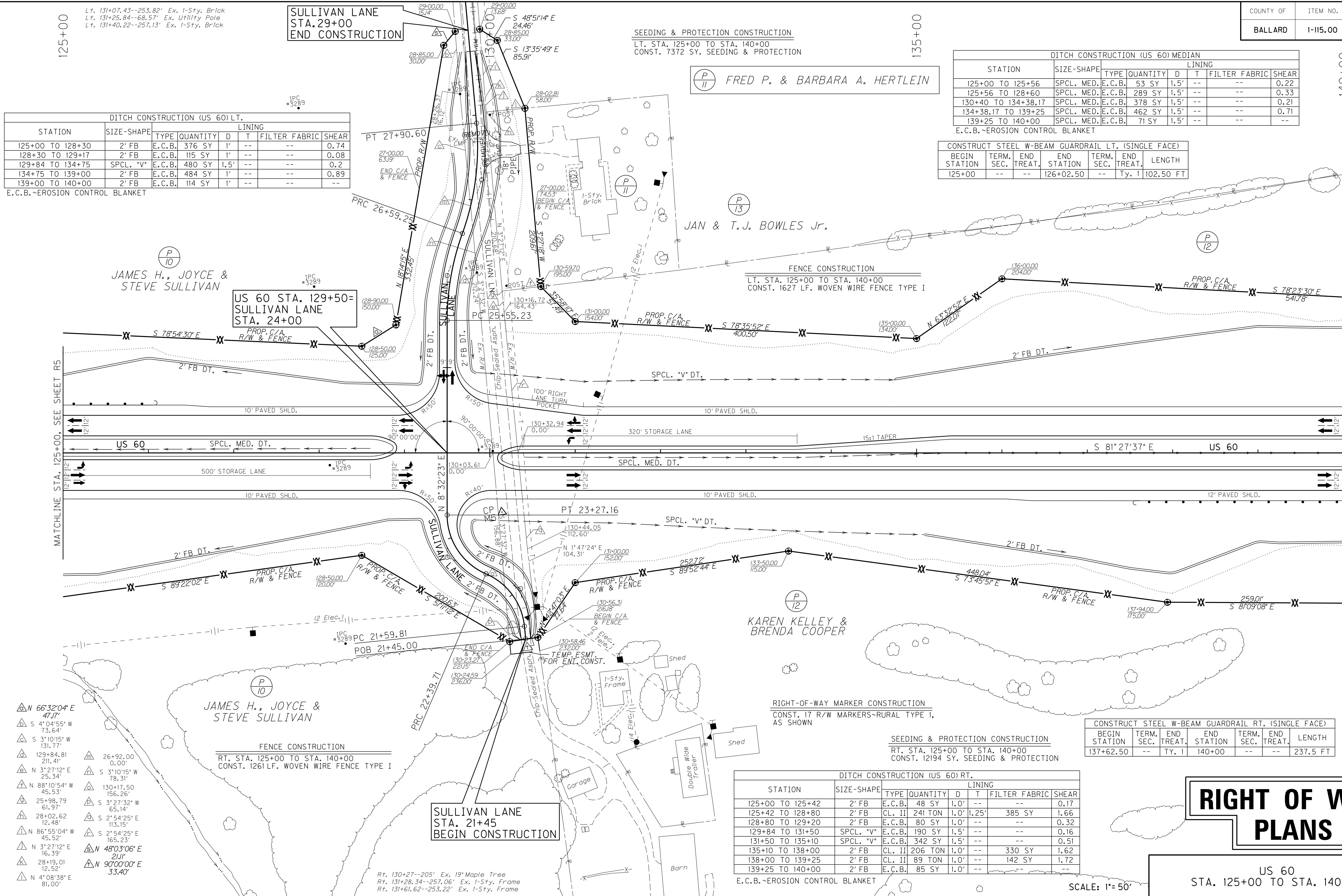
CONSTRUCT STEEL W-BEAM GUARDRAIL RT. (SINGLE FACE)

BEGIN STATION	TERM. SEC.	END TREAT.	END STATION	TERM. SEC.	END TREAT.	LENGTH
137+62.50	--	TY. I	140+00	--	--	237.5 FT

# RIGHT OF WAY PLANS

US 60  
 STA. 125+00 TO STA. 140+00

SCALE: 1"=50'



- △ N 66°32'04" E 47.7'
- △ S 4°04'55" W 73.64'
- △ S 3°10'15" W 131.77'
- △ 129+84.81 211.41'
- △ N 3°27'12" E 25.34'
- △ N 88°10'54" W 45.53'
- △ 25+98.79 61.97'
- △ 28+02.62 12.48'
- △ N 86°55'04" W 45.52'
- △ N 3°27'12" E 16.39'
- △ 28+19.01 12.52'
- △ N 4°08'38" E 81.00'
- △ 26+92.00 0.00'
- △ S 3°10'15" W 78.31'
- △ 130+17.50 156.26'
- △ S 3°27'32" W 65.14'
- △ S 2°54'25" E 113.15'
- △ S 2°54'25" E 165.23'
- △ N 48°03'06" E 211'
- △ N 90°00'00" E 33.40'

FENCE CONSTRUCTION  
 RT. STA. 125+00 TO STA. 140+00  
 CONST. 1261 LF. WOVEN WIRE FENCE TYPE I

SULLIVAN LANE  
 STA. 21+45  
 BEGIN CONSTRUCTION

Rt. 130+27--205' Ex. 19' Maple Tree  
 Rt. 131+28.34--257.06' Ex. 1-Sty. Frame  
 Rt. 131+61.62--253.22' Ex. 1-Sty. Frame

125+00

135+00

140+00

140+00

140+00

140+00

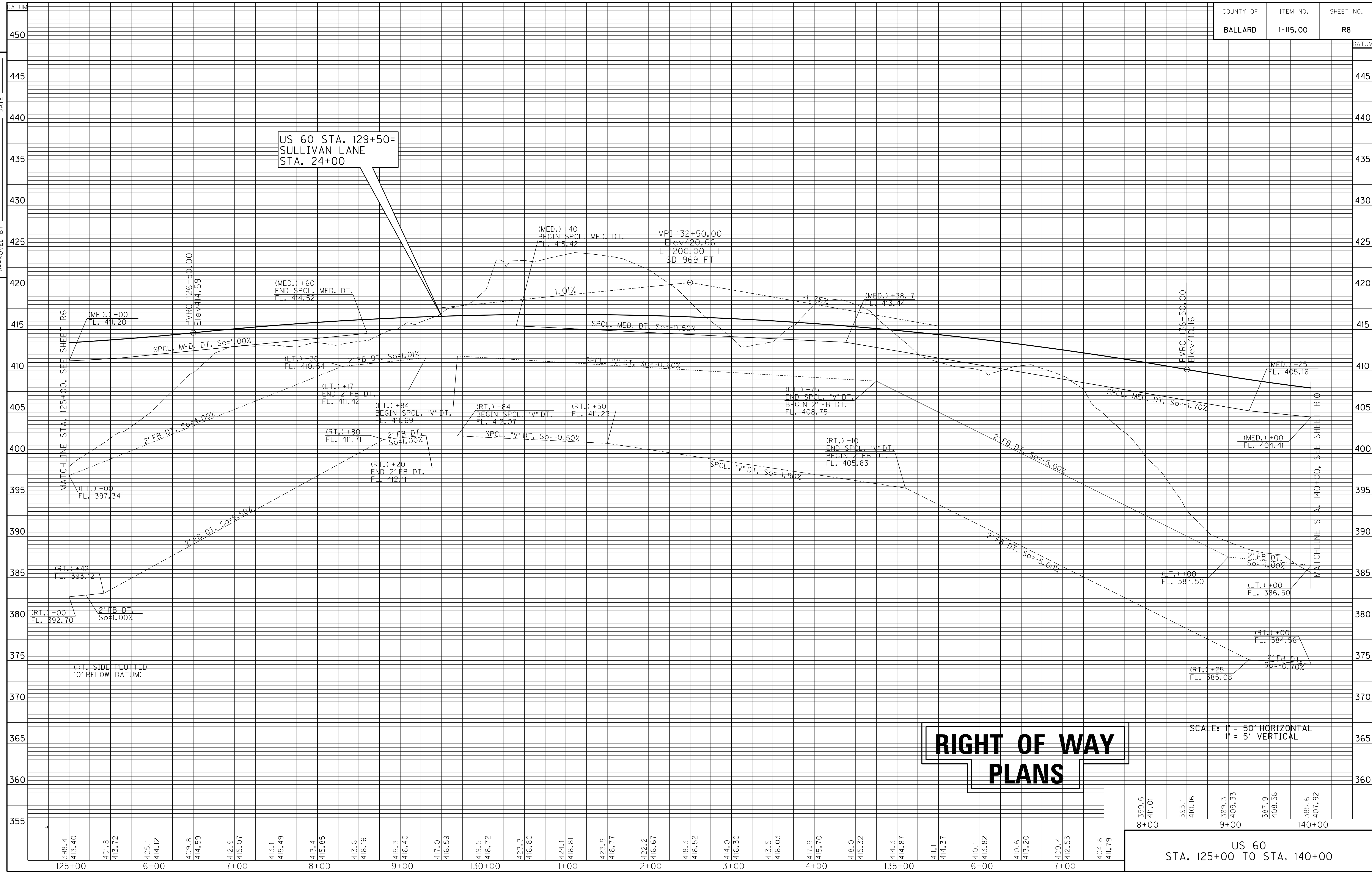
140+00

140+00

140+00

140+00

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# RIGHT OF WAY PLANS

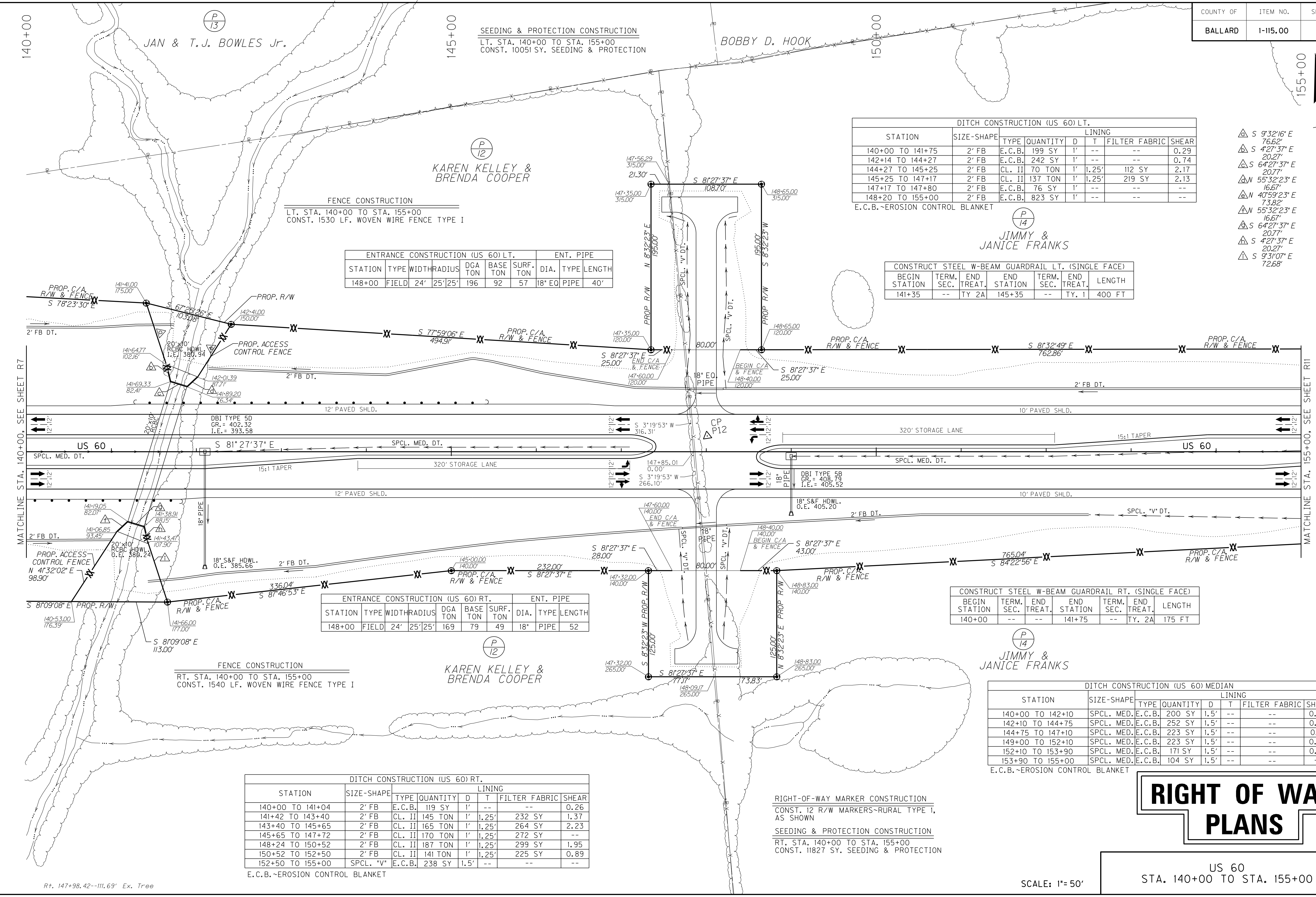
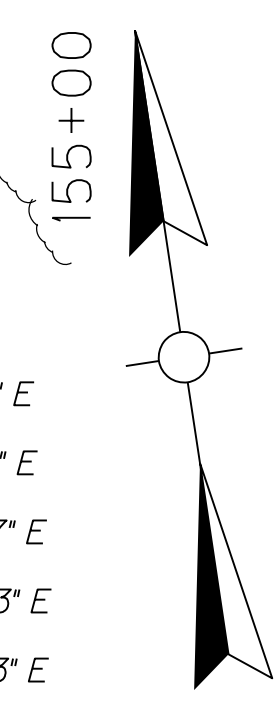
SCALE: 1" = 50' HORIZONTAL  
 1" = 5' VERTICAL

399.6 411.01	393.1 410.16	389.3 409.33	387.9 408.58	385.6 407.92
8+00	9+00	10+00	11+00	12+00

US 60  
 STA. 125+00 TO STA. 140+00

USER: \$\$\$USER\$\$\$  
 DATE: \$\$\$DATE\$\$\$  
 FILE NAME: \$\$\$designsfiles\$\$\$  
 E-SHEET NAME:

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SEEDING & PROTECTION CONSTRUCTION  
 LT. STA. 140+00 TO STA. 155+00  
 CONST. 1005I SY. SEEDING & PROTECTION

FENCE CONSTRUCTION  
 LT. STA. 140+00 TO STA. 155+00  
 CONST. 1530 LF. WOVEN WIRE FENCE TYPE I

ENTRANCE CONSTRUCTION (US 60) LT.							ENT. PIPE		
STATION	TYPE	WIDTH	RADIUS	DGA TON	BASE TON	SURF. TON	DIA.	TYPE	LENGTH
148+00	FIELD	24'	25' 25'	196	92	57	18"	EQ PIPE	40'

DITCH CONSTRUCTION (US 60) LT.							
STATION	SIZE-SHAPE	TYPE	QUANTITY	LINING			
				D	T	FILTER FABRIC	SHEAR
140+00 TO 141+75	2' FB	E.C.B.	199 SY	1'	--	--	0.29
142+14 TO 144+27	2' FB	E.C.B.	242 SY	1'	--	--	0.74
144+27 TO 145+25	2' FB	CL. II	70 TON	1'	1.25'	112 SY	2.17
145+25 TO 147+17	2' FB	CL. II	137 TON	1'	1.25'	219 SY	2.13
147+17 TO 147+80	2' FB	E.C.B.	76 SY	1'	--	--	--
148+20 TO 155+00	2' FB	E.C.B.	823 SY	1'	--	--	--

CONSTRUCT STEEL W-BEAM GUARDRAIL LT. (SINGLE FACE)						
BEGIN STATION	TERM. SEC.	END TREAT.	END STATION	TERM. SEC.	END TREAT.	LENGTH
141+35	--	TY 2A	145+35	--	TY. I	400 FT

- △ S 9°32'16" E 76.62'
- △ S 4°27'37" E 20.27'
- △ S 6°42'37" E 20.77'
- △ N 55°32'23" E 16.67'
- △ N 40°59'23" E 73.82'
- △ N 55°32'23" E 16.67'
- △ S 6°42'37" E 20.77'
- △ S 4°27'37" E 20.27'
- △ S 9°31'07" E 72.68'

ENTRANCE CONSTRUCTION (US 60) RT.							ENT. PIPE		
STATION	TYPE	WIDTH	RADIUS	DGA TON	BASE TON	SURF. TON	DIA.	TYPE	LENGTH
148+00	FIELD	24'	25' 25'	169	79	49	18"	PIPE	52'

CONSTRUCT STEEL W-BEAM GUARDRAIL RT. (SINGLE FACE)						
BEGIN STATION	TERM. SEC.	END TREAT.	END STATION	TERM. SEC.	END TREAT.	LENGTH
140+00	--	--	141+75	--	TY. 2A	175 FT

DITCH CONSTRUCTION (US 60) RT.							
STATION	SIZE-SHAPE	TYPE	QUANTITY	LINING			
				D	T	FILTER FABRIC	SHEAR
140+00 TO 141+04	2' FB	E.C.B.	119 SY	1'	--	--	0.26
141+42 TO 143+40	2' FB	CL. II	145 TON	1'	1.25'	232 SY	1.37
143+40 TO 145+65	2' FB	CL. II	165 TON	1'	1.25'	264 SY	2.23
145+65 TO 147+72	2' FB	CL. II	170 TON	1'	1.25'	272 SY	--
148+24 TO 150+52	2' FB	CL. II	187 TON	1'	1.25'	299 SY	1.95
150+52 TO 152+50	2' FB	CL. II	141 TON	1'	1.25'	225 SY	0.89
152+50 TO 155+00	SPCL. 'V'	E.C.B.	238 SY	1.5'	--	--	--

DITCH CONSTRUCTION (US 60) MEDIAN							
STATION	SIZE-SHAPE	TYPE	QUANTITY	LINING			
				D	T	FILTER FABRIC	SHEAR
140+00 TO 142+10	SPCL. MED.	E.C.B.	200 SY	1.5'	--	--	0.50
142+10 TO 144+75	SPCL. MED.	E.C.B.	252 SY	1.5'	--	--	0.29
144+75 TO 147+10	SPCL. MED.	E.C.B.	223 SY	1.5'	--	--	0.17
149+00 TO 152+10	SPCL. MED.	E.C.B.	223 SY	1.5'	--	--	0.30
152+10 TO 153+90	SPCL. MED.	E.C.B.	171 SY	1.5'	--	--	0.54
153+90 TO 155+00	SPCL. MED.	E.C.B.	104 SY	1.5'	--	--	--

RIGHT-OF-WAY MARKER CONSTRUCTION  
 CONST. 12 R/W MARKERS-RURAL TYPE I,  
 AS SHOWN

SEEDING & PROTECTION CONSTRUCTION  
 RT. STA. 140+00 TO STA. 155+00  
 CONST. 11827 SY. SEEDING & PROTECTION

# RIGHT OF WAY PLANS

US 60  
 STA. 140+00 TO STA. 155+00

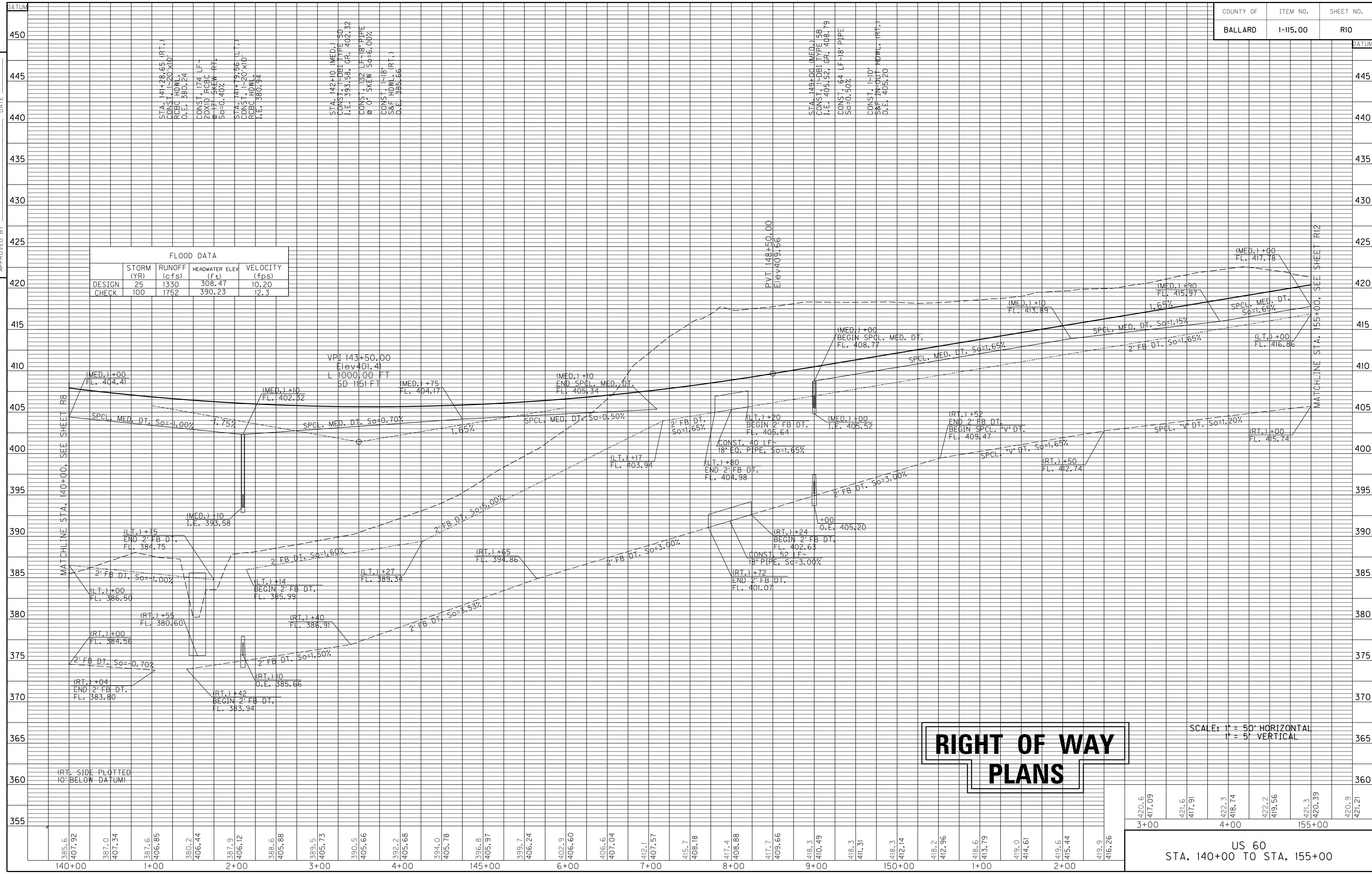
SCALE: 1"=50'

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 E-SHEET NAME:

Rt. 147+98.42--111.69' Ex. Tree

PREPARED BY AMERICAN ENGINEERS, INC. DATE 3-28-08  
 CHECKED BY AMERICAN ENGINEERS, INC. DATE 3-28-08  
 APPROVED BY \_\_\_\_\_ DATE \_\_\_\_\_

FLOOD DATA			
	STORM (YR)	RUNOFF (cfs)	HEADWATER ELEV (ft)
DESIGN	25	1330	308.47
CHECK	100	1752	390.23
			VELOCITY (fps)
			10.20
			12.3



# RIGHT OF WAY PLANS

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

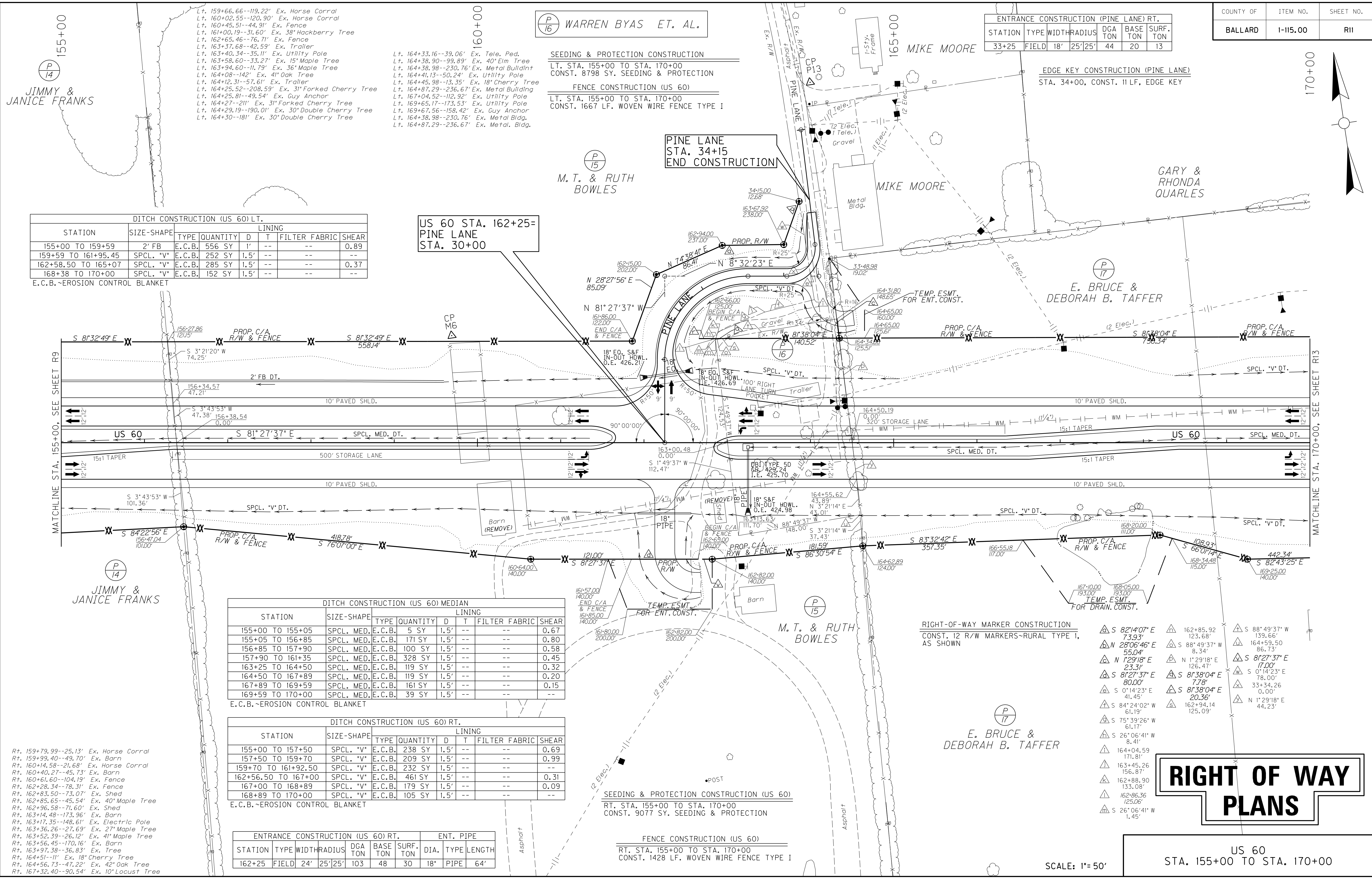
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 DATE: \$\$\$DATE\$\$\$  
 FILE NAME: \$\$\$designfiles\$\$\$specifications\$\$\$  
 E-SHEET NAME:

420.6	417.09	421.6	417.91	422.3	418.74	422.2	419.56	421.3	420.39	420.9	421.21
3+00		4+00		4+00		4+00		155+00			

US 60  
STA. 140+00 TO STA. 155+00

PREPARED BY AMERICAN ENGINEERS, INC. DATE 3-28-08  
 CHECKED BY AMERICAN ENGINEERS, INC. DATE 3-28-08  
 APPROVED BY \_\_\_\_\_ DATE \_\_\_\_\_

USER: \$\$\$USER\$\$\$\$\$  
 DATE: \$\$\$DATE\$\$\$\$\$  
 FILE NAME: \$\$\$designsfiles\$specifications\$\$\$  
 E-SHEET NAME: \_\_\_\_\_



DITCH CONSTRUCTION (US 60) LT.

STATION	SIZE-SHAPE	TYPE	QUANTITY	LINING			SHEAR
				D	T	FILTER FABRIC	
155+00 TO 159+59	2' FB	E.C.B.	556 SY	1'	--	--	0.89
159+59 TO 161+95.45	SPCL. "V"	E.C.B.	252 SY	1.5'	--	--	--
162+58.50 TO 165+07	SPCL. "V"	E.C.B.	285 SY	1.5'	--	--	0.37
168+38 TO 170+00	SPCL. "V"	E.C.B.	152 SY	1.5'	--	--	--

E.C.B. - EROSION CONTROL BLANKET

US 60 STA. 162+25 =  
 PINE LANE  
 STA. 30+00

DITCH CONSTRUCTION (US 60) MEDIAN

STATION	SIZE-SHAPE	TYPE	QUANTITY	LINING			SHEAR
				D	T	FILTER FABRIC	
155+00 TO 155+05	SPCL. MED.	E.C.B.	5 SY	1.5'	--	--	0.67
155+05 TO 156+85	SPCL. MED.	E.C.B.	171 SY	1.5'	--	--	0.80
156+85 TO 157+90	SPCL. MED.	E.C.B.	100 SY	1.5'	--	--	0.58
157+90 TO 161+35	SPCL. MED.	E.C.B.	328 SY	1.5'	--	--	0.45
163+25 TO 164+50	SPCL. MED.	E.C.B.	119 SY	1.5'	--	--	0.32
164+50 TO 167+89	SPCL. MED.	E.C.B.	119 SY	1.5'	--	--	0.20
167+89 TO 169+59	SPCL. MED.	E.C.B.	161 SY	1.5'	--	--	0.15
169+59 TO 170+00	SPCL. MED.	E.C.B.	39 SY	1.5'	--	--	--

E.C.B. - EROSION CONTROL BLANKET

DITCH CONSTRUCTION (US 60) RT.

STATION	SIZE-SHAPE	TYPE	QUANTITY	LINING			SHEAR
				D	T	FILTER FABRIC	
155+00 TO 157+50	SPCL. "V"	E.C.B.	238 SY	1.5'	--	--	0.69
157+50 TO 159+70	SPCL. "V"	E.C.B.	209 SY	1.5'	--	--	0.99
159+70 TO 161+92.50	SPCL. "V"	E.C.B.	232 SY	1.5'	--	--	--
162+56.50 TO 167+00	SPCL. "V"	E.C.B.	461 SY	1.5'	--	--	0.31
167+00 TO 168+89	SPCL. "V"	E.C.B.	179 SY	1.5'	--	--	0.09
168+89 TO 170+00	SPCL. "V"	E.C.B.	105 SY	1.5'	--	--	--

E.C.B. - EROSION CONTROL BLANKET

ENTRANCE CONSTRUCTION (US 60) RT.

STATION	TYPE	WIDTH	RADIUS	DGA TON	BASE TON	SURF. TON	DIA.	TYPE	LENGTH
162+25	FIELD	24'	25'x25'	103	48	30	18"	PIPE	64'

(P16) WARREN BYAS ET AL.

SEEDING & PROTECTION CONSTRUCTION  
 LT. STA. 155+00 TO STA. 170+00  
 CONST. 8798 SY. SEEDING & PROTECTION

FENCE CONSTRUCTION (US 60)  
 LT. STA. 155+00 TO STA. 170+00  
 CONST. 1667 LF. WOVEN WIRE FENCE TYPE I

(P15) M.T. & RUTH BOWLES

(P15) M.T. & RUTH BOWLES

SEEDING & PROTECTION CONSTRUCTION (US 60)  
 RT. STA. 155+00 TO STA. 170+00  
 CONST. 9077 SY. SEEDING & PROTECTION

FENCE CONSTRUCTION (US 60)  
 RT. STA. 155+00 TO STA. 170+00  
 CONST. 1428 LF. WOVEN WIRE FENCE TYPE I

ENTRANCE CONSTRUCTION (PINE LANE) RT.

STATION	TYPE	WIDTH	RADIUS	DGA TON	BASE TON	SURF. TON
33+25	FIELD	18'	25'x25'	44	20	13

EDGE KEY CONSTRUCTION (PINE LANE)  
 STA. 34+00, CONST. 11 LF, EDGE KEY

RIGHT-OF-WAY MARKER CONSTRUCTION  
 CONST. 12 R/W MARKERS-RURAL TYPE I,  
 AS SHOWN

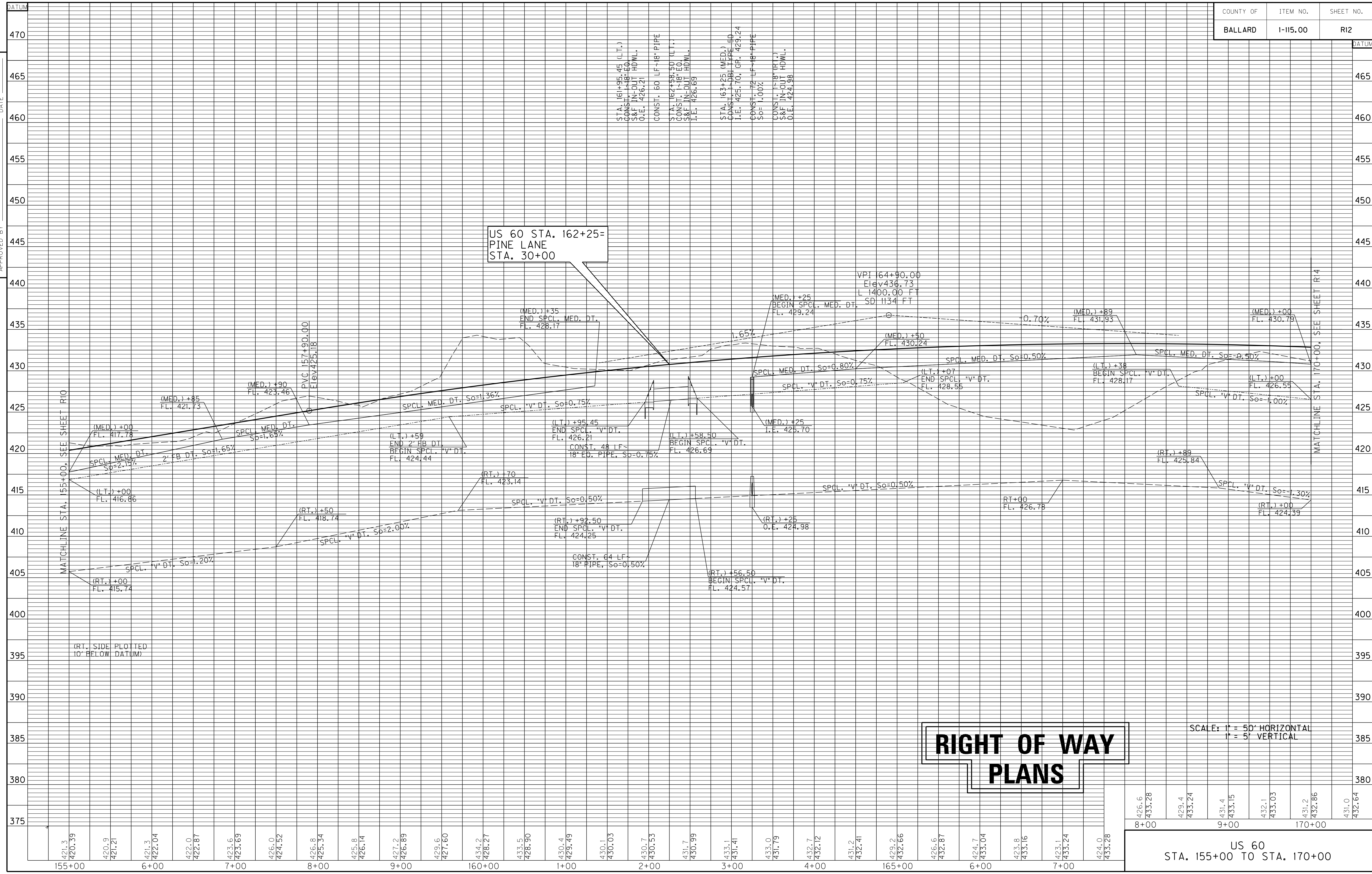
(P17) E. BRUCE & DEBORAH B. TAFFER

**RIGHT OF WAY PLANS**

US 60  
 STA. 155+00 TO STA. 170+00

SCALE: 1"=50'

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 CHECKED BY AMERICAN ENGINEERS, INC. DATE 3-28-08  
 APPROVED BY \_\_\_\_\_ DATE \_\_\_\_\_



US 60 STA. 162+25=  
 PINE LANE  
 STA. 30+00

**RIGHT OF WAY  
 PLANS**

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

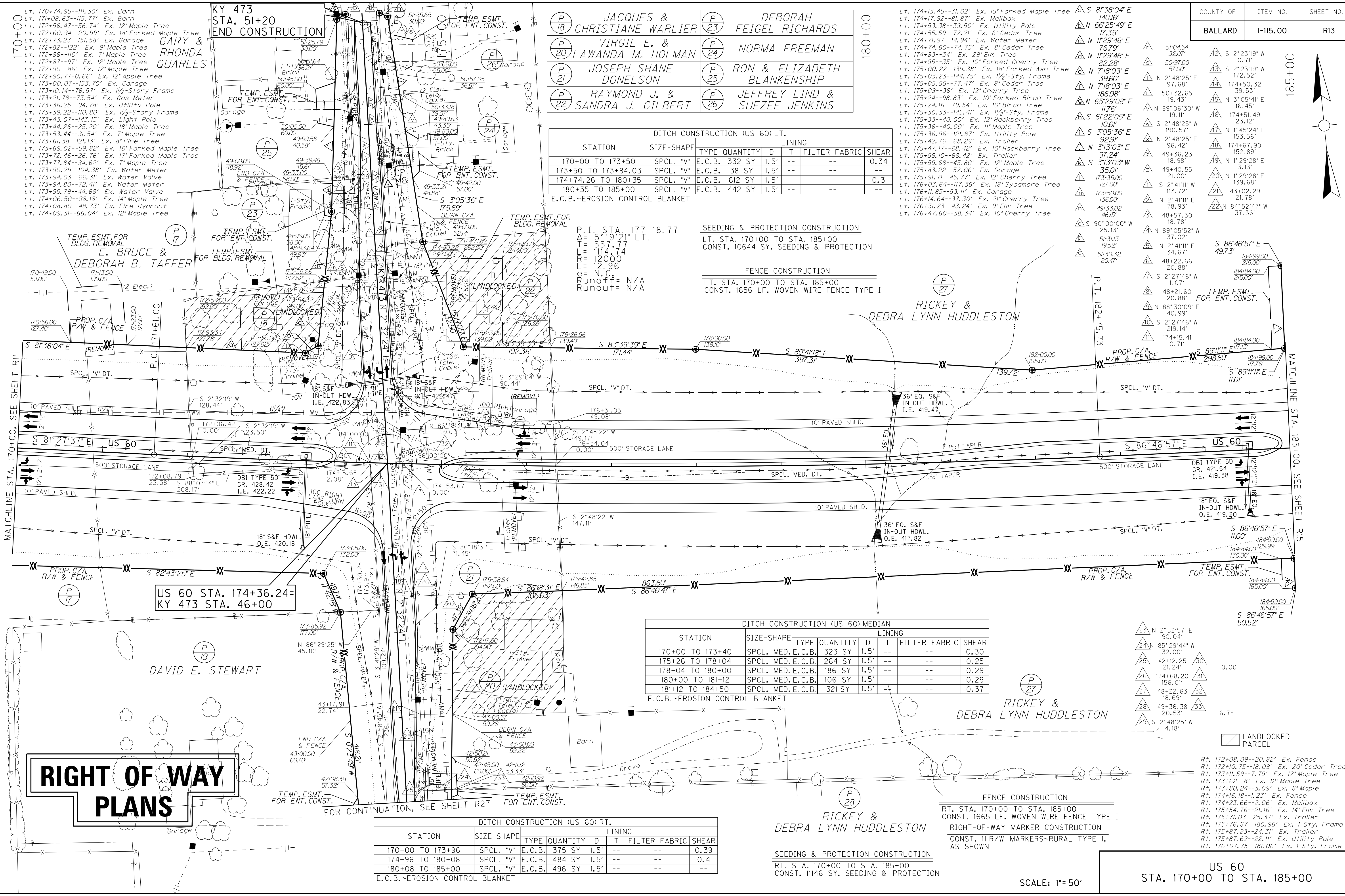
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 E-SHEET NAME:

8+00	426.6	433.28	429.4	433.24	431.4	433.15	432.1	433.03	431.2	432.86	431.0	432.64
9+00												
170+00												

US 60  
 STA. 155+00 TO STA. 170+00

PREPARED BY AMERICAN ENGINEERS, INC. DATE 3-28-08  
 CHECKED BY AMERICAN ENGINEERS, INC. DATE 3-28-08  
 APPROVED BY \_\_\_\_\_ DATE \_\_\_\_\_

USER: \$\$\$USER\$\$\$\$\$  
 DATE: \$\$\$DATE\$\$\$\$\$  
 FILE NAME: \$\$\$designsfiles\$\$\$specifications\$\$\$  
 E-SHEET NAME: \_\_\_\_\_



(P18) JACQUES & CHRISTIANE WARLIER	(P23) DEBORAH FEIGEL RICHARDS
(P20) VIRGIL E. & LAWANDA M. HOLMAN	(P24) NORMA FREEMAN
(P21) JOSEPH SHANE DONELSON	(P25) RON & ELIZABETH BLANKENSHIP
(P22) RAYMOND J. & SANDRA J. GILBERT	(P26) JEFFREY LIND & SUEZEE JENKINS

STATION	SIZE-SHAPE	LINING				
		TYPE	QUANTITY	D	T	FILTER FABRIC SHEAR
170+00 TO 173+50	SPCL. *V*	E.C.B.	332 SY	1.5'	--	0.34
173+50 TO 173+84.03	SPCL. *V*	E.C.B.	38 SY	1.5'	--	--
174+74.26 TO 180+35	SPCL. *V*	E.C.B.	612 SY	1.5'	--	0.3
180+35 TO 185+00	SPCL. *V*	E.C.B.	442 SY	1.5'	--	--

E.C.B.-EROSION CONTROL BLANKET

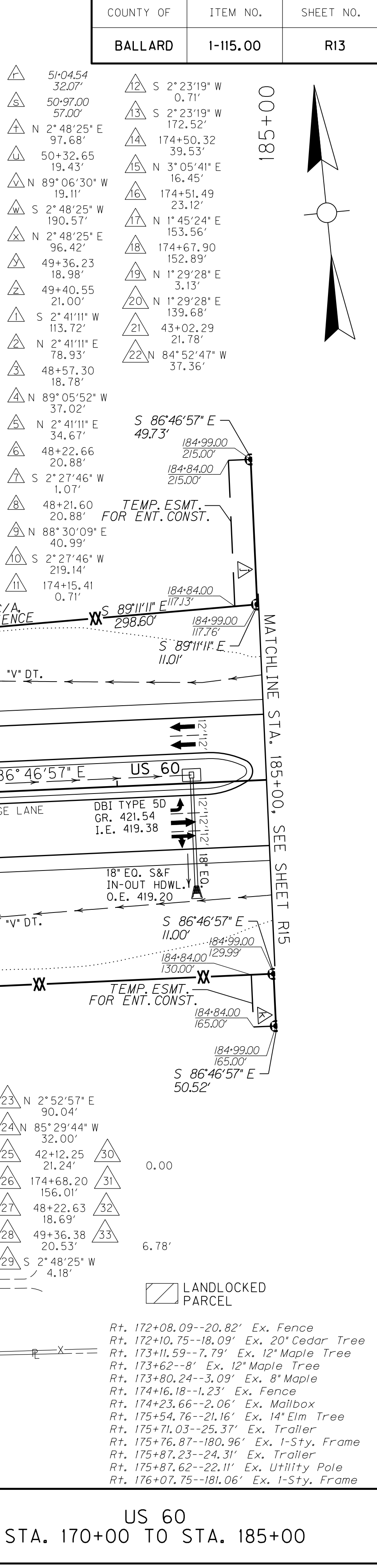
STATION	SIZE-SHAPE	LINING				
		TYPE	QUANTITY	D	T	FILTER FABRIC SHEAR
170+00 TO 173+40	SPCL. MED.	E.C.B.	323 SY	1.5'	--	0.30
175+26 TO 178+04	SPCL. MED.	E.C.B.	264 SY	1.5'	--	0.25
178+04 TO 180+00	SPCL. MED.	E.C.B.	186 SY	1.5'	--	0.29
180+00 TO 181+12	SPCL. MED.	E.C.B.	106 SY	1.5'	--	0.29
181+12 TO 184+50	SPCL. MED.	E.C.B.	321 SY	1.5'	--	0.37

E.C.B.-EROSION CONTROL BLANKET

STATION	SIZE-SHAPE	LINING				
		TYPE	QUANTITY	D	T	FILTER FABRIC SHEAR
170+00 TO 173+96	SPCL. *V*	E.C.B.	375 SY	1.5'	--	0.39
174+96 TO 180+08	SPCL. *V*	E.C.B.	484 SY	1.5'	--	0.4
180+08 TO 185+00	SPCL. *V*	E.C.B.	496 SY	1.5'	--	--

E.C.B.-EROSION CONTROL BLANKET

Lt. 174+13.45--31.02' Ex. 15' Forked Maple Tree	△ S 81°38'04" E 140.61'
Lt. 174+17.92--81.87' Ex. Mailbox	△ N 66°25'49" E 17.35'
Lt. 174+53.38--39.50' Ex. Utility Pole	△ N 11°29'46" E 76.79'
Lt. 174+55.59--72.21' Ex. 6' Cedar Tree	△ N 11°29'46" E 82.28'
Lt. 174+71.97--14.94' Ex. Water Meter	△ N 71°8'03" E 396.0'
Lt. 174+74.60--74.75' Ex. 8" Cedar Tree	△ N 71°8'03" E 186.98'
Lt. 174+83--34' Ex. 29' Elm Tree	△ N 65°29'08" E 117.6'
Lt. 174+95--35' Ex. 10' Forked Cherry Tree	△ S 61°22'05" E 106.1'
Lt. 175+33--40.00' Ex. 12' Hackberry Tree	△ S 305°36' E 92.9'
Lt. 175+00.22--139.38' Ex. 1/2" Sty. Frame	△ N 313°03' E 97.24'
Lt. 175+03.23--144.75' Ex. 1/2" Sty. Frame	△ S 313°03' W 35.0'
Lt. 175+05.55--77.47' Ex. 8" Cedar Tree	△ 173-35.00 127.00
Lt. 175+09--36' Ex. 12' Cherry Tree	△ 173-50.00 136.00
Lt. 175+24--98.83' Ex. 10' Forked Birch Tree	△ 49-33.02 46.5'
Lt. 175+30.33--145.41' Ex. 1/2" Sty. Frame	△ S 90°00'00" W 25.13'
Lt. 175+36--40.00' Ex. 11' Maple Tree	△ 51-11.3 19.52'
Lt. 175+36.96--121.87' Ex. Utility Pole	△ 51-30.32 20.47'
Lt. 175+42.76--68.29' Ex. Trailer	△ N 89°05'52" W 37.02'
Lt. 175+47.17--68.42' Ex. 10' Hackberry Tree	△ N 2°41'11" E 34.67'
Lt. 175+59.68--45.80' Ex. 12' Maple Tree	△ 48+22.66 20.88'
Lt. 175+83.22--52.06' Ex. Garage	△ S 2°27'46" W 1.07'
Lt. 175+91.71--45.77' Ex. 12' Cherry Tree	△ 48+21.60 20.88'
Lt. 176+03.64--117.36' Ex. 12' Sycamore Tree	△ N 88°30'09" E 40.99'
Lt. 176+11.85--53.11' Ex. Garage	△ S 2°27'46" W 219.14'
Lt. 176+14.64--37.30' Ex. 21' Cherry Tree	△ 174+15.41 0.71'
Lt. 176+31.23--43.24' Ex. 9' Elm Tree	△ S 86°46'57" E 49.73'
Lt. 176+47.60--38.34' Ex. 10' Cherry Tree	△ 184-99.00 117.78'



**RIGHT OF WAY PLANS**

MATCHLINE STA. 170+00, SEE SHEET R11

MATCHLINE STA. 185+00, SEE SHEET R15

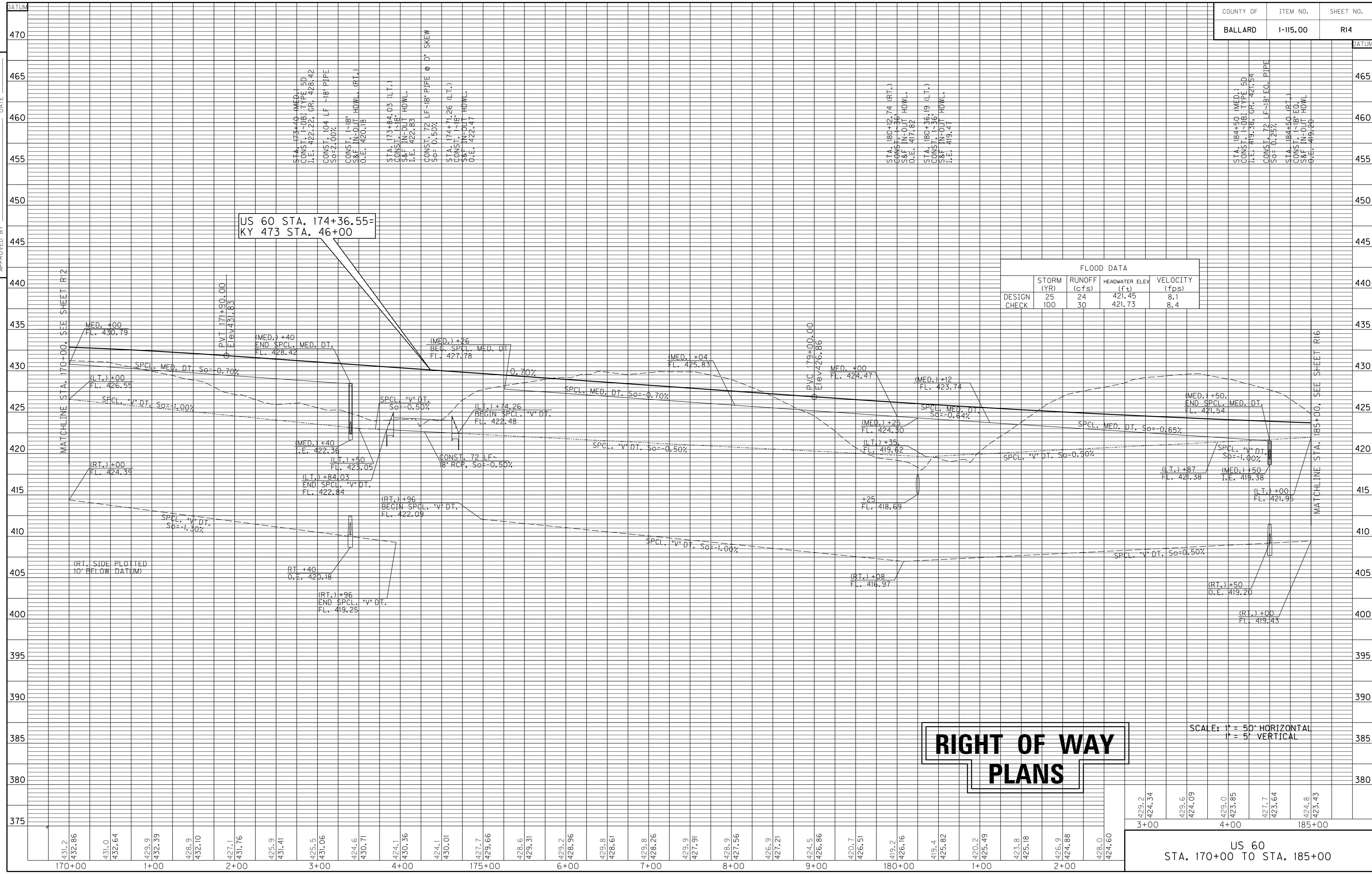
SCALE: 1"=50'

US 60 STA. 170+00 TO STA. 185+00



PREPARED BY AMERICAN ENGINEERS, INC. DATE 3-28-08  
 CHECKED BY AMERICAN ENGINEERS, INC. DATE 3-28-08  
 APPROVED BY \_\_\_\_\_ DATE \_\_\_\_\_

USER: \$\$\$USER\$\$\$  
 DATE: \$\$\$DATE\$\$\$  
 FILE NAME: \$\$\$designfiles\$\$\$specifications\$\$\$  
 E-SHEET NAME:



FLOOD DATA				
DESIGN CHECK	STORM (YR)	RUNOFF (cfs)	HEADWATER ELEV (ft)	VELOCITY (fps)
	25	24	421.45	8.1
	100	30	421.73	8.4

**RIGHT OF WAY  
PLANS**

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

429.2	424.34	429.6	424.09	429.0	423.85	427.7	423.64	424.8	423.43
3+00		4+00		4+00		4+00		185+00	

US 60  
STA. 170+00 TO STA. 185+00

PREPARED BY AMERICAN ENGINEERS, INC. DATE 3-28-08  
 CHECKED BY AMERICAN ENGINEERS, INC. DATE 3-28-08  
 APPROVED BY \_\_\_\_\_ DATE \_\_\_\_\_

DITCH CONSTRUCTION (US 60) LT.							
STATION	SIZE-SHAPE	TYPE	QUANTITY	D	T	FILTER FABRIC	SHEAR
185+00 TO 185+29	SPCL. "V"	E.C.B.	33 SY	1.5'	--	--	0.2
185+77 TO 190+83	SPCL. "V"	E.C.B.	553 SY	1.5'	--	--	0.9
190+83 TO 196+36.83	SPCL. "V"	E.C.B.	529 SY	1.5'	--	--	--
197+15.59 TO 200+00	SPCL. "V"	E.C.B.	302 SY	1.5'	--	--	--

E.C.B.-EROSION CONTROL BLANKET

DITCH CONSTRUCTION (US 60) MEDIAN							
STATION	SIZE-SHAPE	TYPE	QUANTITY	D	T	FILTER FABRIC	SHEAR
186+40 TO 190+88	SPCL. MED.	E.C.B.	425 SY	1.5'	--	--	0.32
190+88 TO 195+92	SPCL. MED.	E.C.B.	478 SY	1.5'	--	--	0.37
197+75 TO 200+00	SPCL. MED.	E.C.B.	214 SY	1.5'	--	--	--

E.C.B.-EROSION CONTROL BLANKET

CONSTRUCT STEEL W-BEAM GUARDRAIL LT. (SINGLE FACE)						
BEGIN STATION	TERM. SEC.	END TREAT.	END STATION	TERM. SEC.	END TREAT.	LENGTH
188+77.00	--	TY. 2A	190+89.50	--	TY. 1	212.50 FT

SEEDING & PROTECTION CONSTRUCTION  
 LT. STA. 185+00 TO STA. 200+00  
 CONST. 12398 SY. SEEDING & PROTECTION

RIGHT-OF-WAY MARKER CONSTRUCTION  
 CONST. 18 R/W MARKERS-RURAL TYPE 1,  
 AS SHOWN

FENCE CONSTRUCTION  
 LT. STA. 185+00 TO STA. 200+00  
 CONST. 1560 LF. WOVEN WIRE FENCE TYPE I

ENTRANCE CONSTRUCTION (US 60) LT.									
STATION	TYPE	WIDTH	RADIUS	DGA TON	BASE TON	SURF. TON	DIA.	TYPE	LENGTH
185+50	FIELD	24'	25'	137	64	40	--	--	--

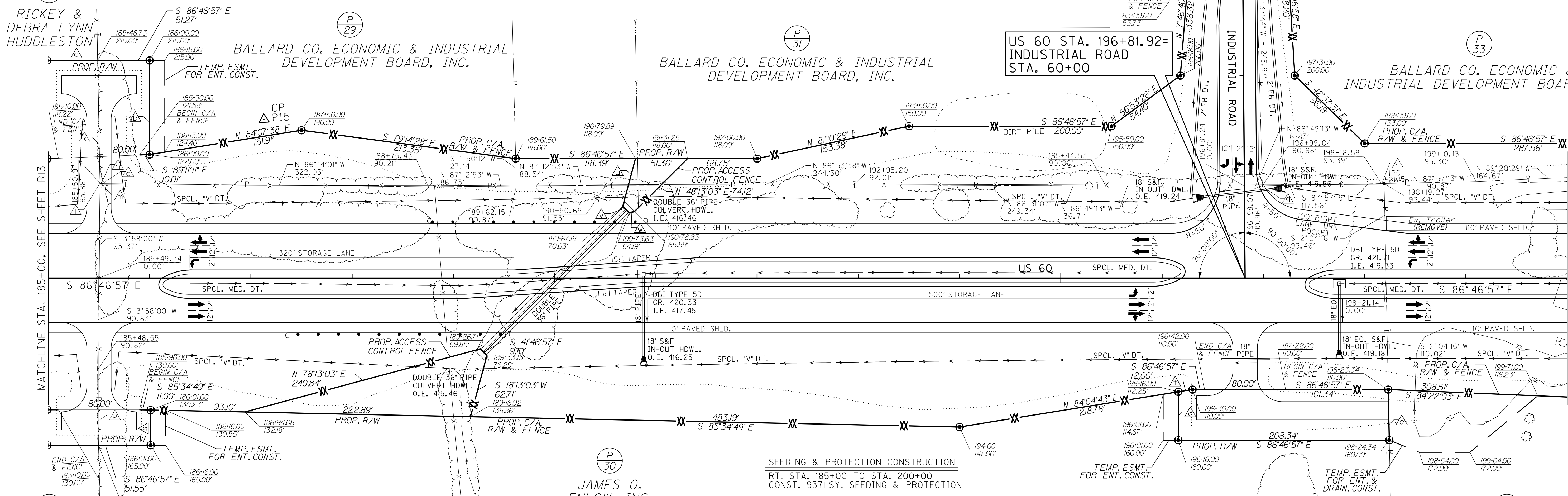
INDUSTRIAL ROAD  
 STA. 65+45  
 END CONSTRUCTION

US 60 STA. 196+81.92=  
 INDUSTRIAL ROAD  
 STA. 60+00

185+50.97--92.17' Ex. Fence  
 190+92.28--480.32' Ex. Metal Office Complex  
 192+44.03--482.50' Ex. Metal Office Complex  
 194+29.15--246.91' Ex. Metal Bldg.  
 195+48.70--247.19' Ex. Metal Bldg.  
 198+19.48--92.66' Ex. Fence  
 198+21.48--47.12' Ex. Trailer  
 199+00.65--47.45' Ex. Trailer  
 199+94.31--0.25' Ex. 1-Story Frame

PAUL RICHARD  
 & ANN B. OWEN

BALLARD CO. ECONOMIC & INDUSTRIAL  
 DEVELOPMENT BOARD, INC.



△ S 86°46'57" E	△ 185+50.96
△ S 3°13'03" W	△ N 85°21'26" W
△ N 60°44'59" E	△ 185+53.41
△ S 3°13'03" W	△ S 2°28'05" W
△ N 2°04'16" E	△ N 87°57'19" W
△ S 1°51'22" W	△ S 87°57'13" E
△ N 2°07'02" E	△ S 3°13'03" W
△ S 80°38'36" E	△ N 84°04'43" E
△ S 5°13'46" W	△ S 18°13'03" W
△ N 88°50'28" W	△ S 4°46'57" E
△ S 2°09'24" W	△ N 78°13'03" E
△ S 3°58'00" W	△ 185+52.14

CONSTRUCT STEEL W-BEAM GUARDRAIL RT. (SINGLE FACE)						
BEGIN STATION	TERM. SEC.	END TREAT.	END STATION	TERM. SEC.	END TREAT.	LENGTH
187+37.00	--	TY. 1	189+49.50	--	TY. 2A	212.50 FT

SEEDING & PROTECTION CONSTRUCTION  
 RT. STA. 185+00 TO STA. 200+00  
 CONST. 9371 SY. SEEDING & PROTECTION

FENCE CONSTRUCTION  
 RT. STA. 185+00 TO STA. 200+00  
 CONST. 1345 LF. WOVEN WIRE FENCE TYPE I

ENTRANCE CONSTRUCTION (US 60) RT.									
STATION	TYPE	WIDTH	RADIUS	DGA TON	BASE TON	SURF. TON	DIA.	TYPE	LENGTH
185+50	FIELD	24'	25'	65	49	30	--	--	--
196+81.92	FIELD	24'	25'	160	75	46	18"	PIPE	48'

DITCH CONSTRUCTION (US 60) RT.							
STATION	SIZE-SHAPE	TYPE	QUANTITY	D	T	FILTER FABRIC	SHEAR
185+00 TO 185+28	SPCL. "V"	E.C.B.	32 SY	1.5'	--	--	--
185+67 TO 189+12	SPCL. "V"	E.C.B.	347 SY	1.5'	--	--	0.87
189+12 TO 196+58.52	SPCL. "V"	E.C.B.	721 SY	1.5'	--	--	--
197+06.52 TO 200+00	SPCL. "V"	E.C.B.	289 SY	1.5'	--	--	--

E.C.B.-EROSION CONTROL BLANKET  
 ACCESS CONTROL SPACING SHALL BE LESS THAN 1,200 LF

# RIGHT OF WAY PLANS

US 60  
 STA. 185+00 TO STA. 200+00

SCALE: 1"=50'

USER: \$\$\$USER\$\$\$  
 DATE: \$\$\$DATE\$\$\$  
 FILE NAME: \$\$\$designsfiles\$\$\$  
 E-SHEET NAME:

Rt. 199+85.93--27.06' Ex. 1-Story Bldg.  
 Rt. 199+96.41--63.86' Ex. Utility Pole

PREPARED BY AMERICAN ENGINEERS, INC. DATE 3-28-08  
 CHECKED BY AMERICAN ENGINEERS, INC. DATE 3-28-08  
 APPROVED BY \_\_\_\_\_ DATE \_\_\_\_\_

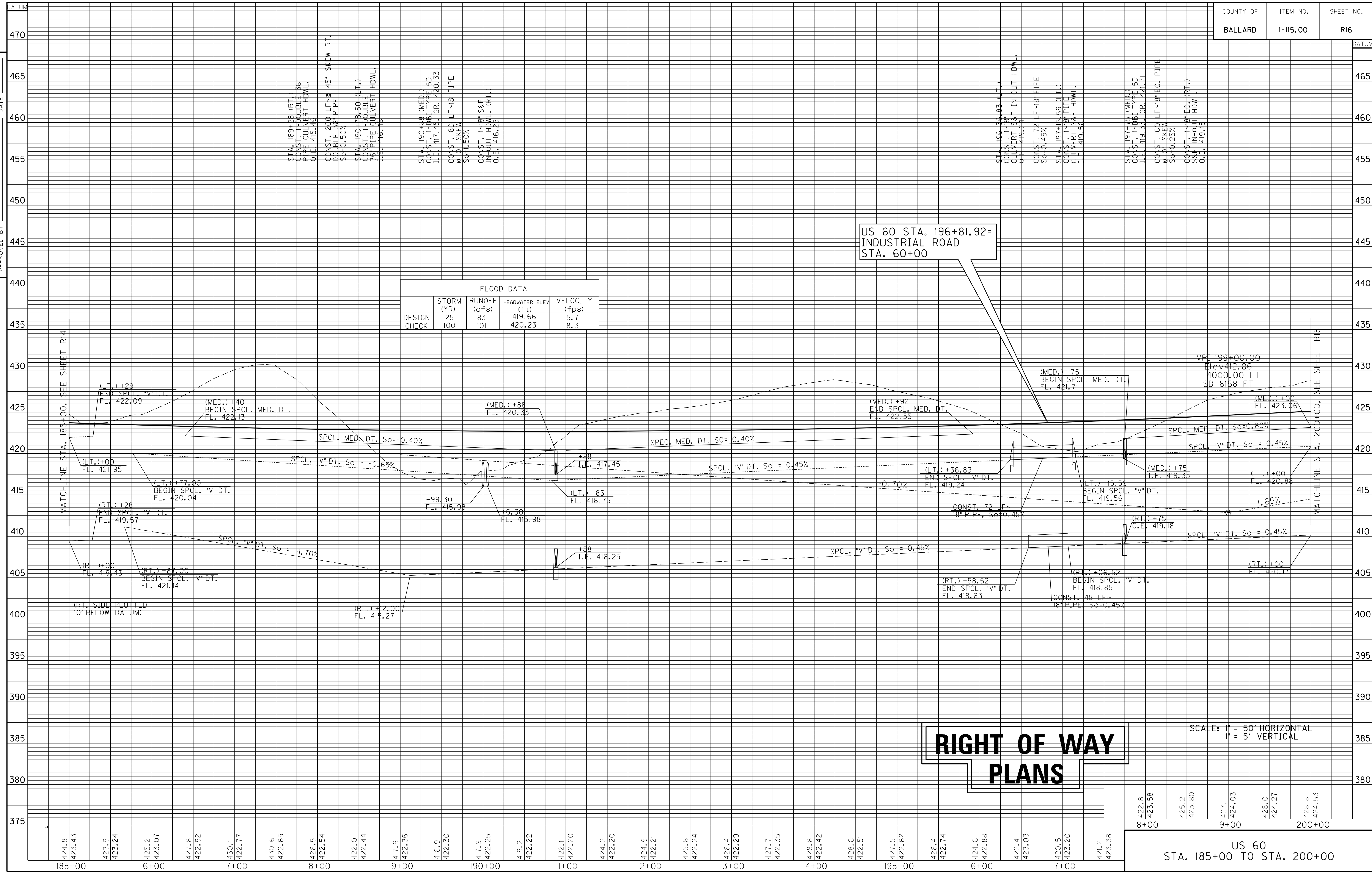
FLOOD DATA				
DESIGN CHECK	STORM (YR)	RUNOFF (cfs)	HEADWATER ELEV (ft)	VELOCITY (fps)
	25	83	419.66	5.7
	100	101	420.23	8.3

US 60 STA. 196+81.92=  
 INDUSTRIAL ROAD  
 STA. 60+00

**RIGHT OF WAY  
 PLANS**

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

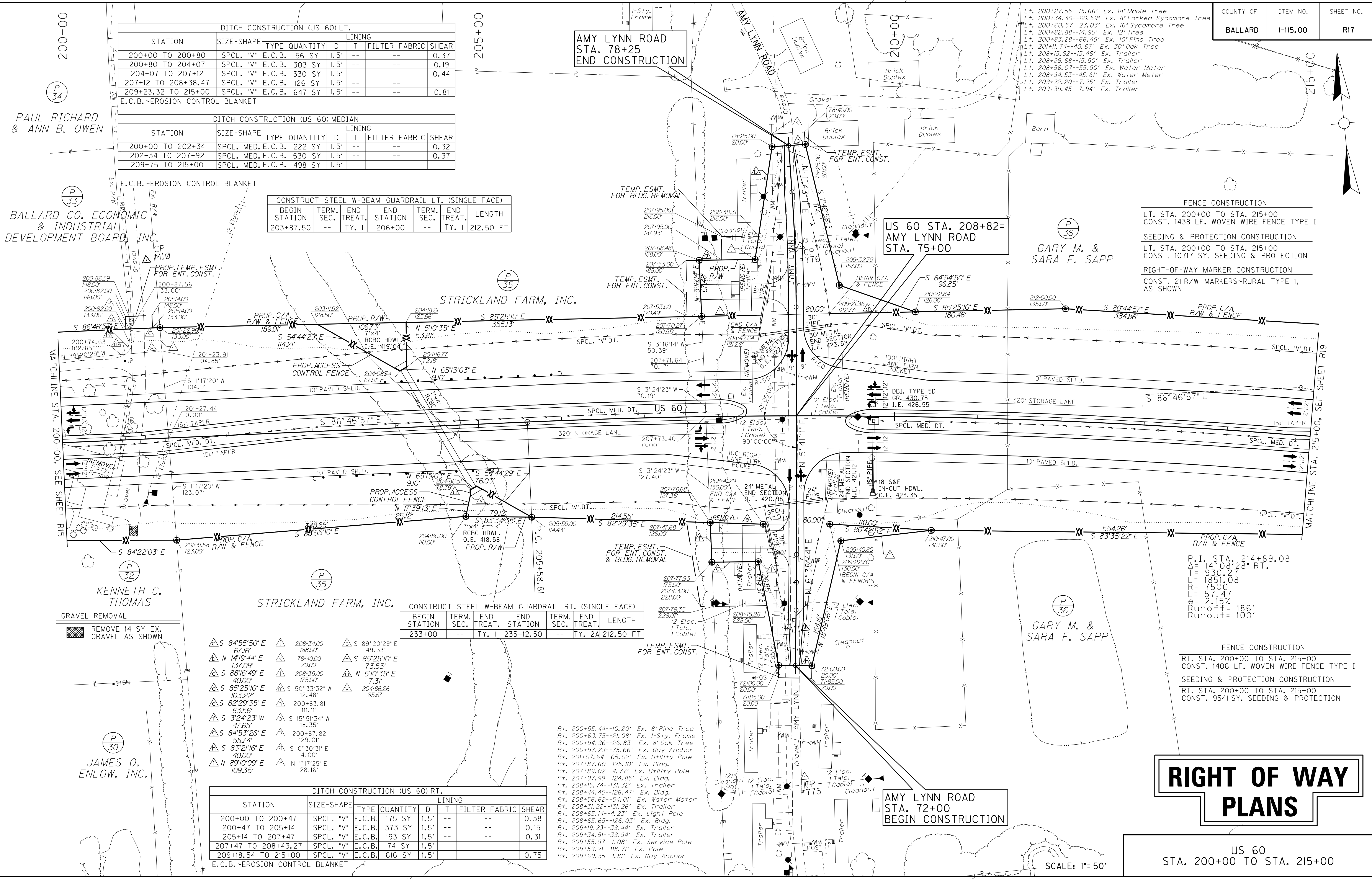
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 E-SHEET NAME:



422.8	423.58	425.2	427.1	428.0	428.8
8+00	9+00	424.27	200+00	424.27	424.53

US 60  
 STA. 185+00 TO STA. 200+00

PREPARED BY AMERICAN ENGINEERS, INC. DATE 3-28-08  
 CHECKED BY AMERICAN ENGINEERS, INC. DATE 3-28-08  
 APPROVED BY



DITCH CONSTRUCTION (US 60) LT.

STATION	SIZE-SHAPE	TYPE	QUANTITY	D	T	FILTER FABRIC	SHEAR
200+00 TO 200+80	SPCL. "V"	E.C.B.	56 SY	1.5'	--	--	0.37
200+80 TO 204+07	SPCL. "V"	E.C.B.	303 SY	1.5'	--	--	0.19
204+07 TO 207+12	SPCL. "V"	E.C.B.	330 SY	1.5'	--	--	0.44
207+12 TO 208+38.47	SPCL. "V"	E.C.B.	126 SY	1.5'	--	--	--
209+23.32 TO 215+00	SPCL. "V"	E.C.B.	647 SY	1.5'	--	--	0.81

DITCH CONSTRUCTION (US 60) MEDIAN

STATION	SIZE-SHAPE	TYPE	QUANTITY	D	T	FILTER FABRIC	SHEAR
200+00 TO 202+34	SPCL. MED.	E.C.B.	222 SY	1.5'	--	--	0.32
202+34 TO 207+92	SPCL. MED.	E.C.B.	530 SY	1.5'	--	--	0.37
209+75 TO 215+00	SPCL. MED.	E.C.B.	498 SY	1.5'	--	--	--

CONSTRUCT STEEL W-BEAM GUARDRAIL LT. (SINGLE FACE)

BEGIN STATION	TERM. SEC.	END TREAT.	END STATION	TERM. SEC.	END TREAT.	LENGTH
203+87.50	--	TY. I	206+00	--	TY. I	212.50 FT

CONSTRUCT STEEL W-BEAM GUARDRAIL RT. (SINGLE FACE)

BEGIN STATION	TERM. SEC.	END TREAT.	END STATION	TERM. SEC.	END TREAT.	LENGTH
233+00	--	TY. I	235+12.50	--	TY. 2A	212.50 FT

- △ S 84°55'50" E 67.16' 208-34.00
- △ N 141°44' E 137.09' 78-40.00
- △ S 88°16'49" E 40.00' 208-35.00
- △ S 85°25'10" E 103.22' 50°33'32" W 12.48'
- △ S 82°29'35" E 63.56' 200+83.81
- △ S 32°42'23" W 47.65' 15°51'34" W 18.35'
- △ S 84°53'26" E 55.74' 200+87.82
- △ S 83°21'16" E 40.00' 0°30'31" E 4.00'
- △ N 89°10'09" E 109.35' 209+18.54
- △ N 1°17'25" E 28.16' 201+23.91
- △ S 85°25'10" E 73.53' 51°10'35" E 53.81'
- △ N 51°10'35" E 7.31' 204-86.26
- △ S 89°20'29" E 49.33' 85°25'10" E 355.13'
- △ N 51°10'35" E 76.03' 204-86.51
- △ S 83°34'35" E 79.12' 83°34'35" E 76.03'

DITCH CONSTRUCTION (US 60) RT.

STATION	SIZE-SHAPE	TYPE	QUANTITY	D	T	FILTER FABRIC	SHEAR
200+00 TO 200+47	SPCL. "V"	E.C.B.	175 SY	1.5'	--	--	0.38
200+47 TO 205+14	SPCL. "V"	E.C.B.	373 SY	1.5'	--	--	0.15
205+14 TO 207+47	SPCL. "V"	E.C.B.	193 SY	1.5'	--	--	0.31
207+47 TO 208+43.27	SPCL. "V"	E.C.B.	74 SY	1.5'	--	--	--
209+18.54 TO 215+00	SPCL. "V"	E.C.B.	616 SY	1.5'	--	--	0.75

PAUL RICHARD & ANN B. OWEN

BALLARD CO. ECONOMIC & INDUSTRIAL DEVELOPMENT BOARD, INC.

STRICKLAND FARM, INC.

KENNETH C. THOMAS

STRICKLAND FARM, INC.

JAMES O. ENLOW, INC.

AMY LYNN ROAD STA. 78+25 END CONSTRUCTION

US 60 STA. 208+82= AMY LYNN ROAD STA. 75+00

AMY LYNN ROAD STA. 72+00 BEGIN CONSTRUCTION

GARY M. & SARA F. SAPP

GARY M. & SARA F. SAPP

- FENCE CONSTRUCTION  
LT. STA. 200+00 TO STA. 215+00  
CONST. 1438 LF. WOVEN WIRE FENCE TYPE I
- SEEDING & PROTECTION CONSTRUCTION  
LT. STA. 200+00 TO STA. 215+00  
CONST. 10717 SY. SEEDING & PROTECTION
- RIGHT-OF-WAY MARKER CONSTRUCTION  
CONST. 21 R/W MARKERS-RURAL TYPE I, AS SHOWN

P.I. STA. 214+89.08  
 Δ= 14°08'28" RT.  
 T= 930.27'  
 L= 1851.08'  
 E= 7500'  
 R= 57.47'  
 e= 2.15%  
 Runoff= 186'  
 Runout= 100'

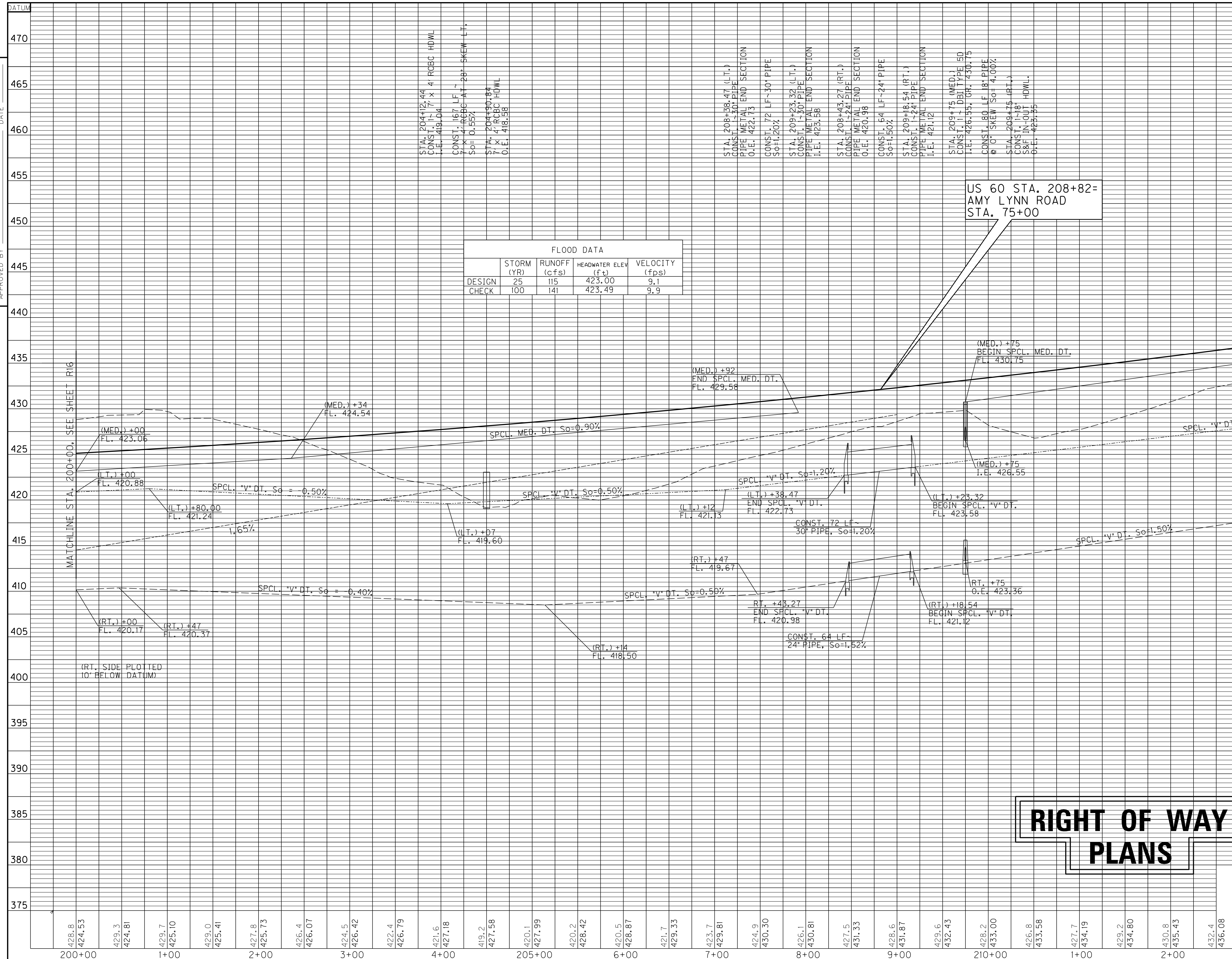
# RIGHT OF WAY PLANS

US 60 STA. 200+00 TO STA. 215+00

SCALE: 1"= 50'

USER: \$\$\$USER\$\$\$  
 DATE: \$\$\$DATE\$\$\$  
 FILE NAME: \$\$\$designsfiles\$\$\$  
 E-SHEET NAME:

PREPARED BY AMERICAN ENGINEERS, INC. DATE 3-28-08  
 CHECKED BY AMERICAN ENGINEERS, INC. DATE 3-28-08  
 APPROVED BY \_\_\_\_\_ DATE \_\_\_\_\_



FLOOD DATA				
DESIGN CHECK	STORM (YR)	RUNOFF (cfs)	HEADWATER ELEV (ft)	VELOCITY (fps)
	25	115	423.00	9.1
	100	141	423.49	9.9

**RIGHT OF WAY  
PLANS**

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

USER: \$\$\$USER\$\$\$  
 DATE: \$\$\$DATE\$\$\$  
 FILE NAME: \$\$\$designsfiles\$\$\$specifications\$\$\$  
 E-SHEET NAME:

433.5	436.74	434.5	435.1	435.7	435.7
3+00	437.42	438.12	438.83	439.55	
		4+00		215+00	

US 60  
STA. 200+00 TO STA. 215+00

PREPARED BY AMERICAN ENGINEERS, INC. DATE 3-28-08  
 CHECKED BY AMERICAN ENGINEERS, INC. DATE 3-28-08  
 APPROVED BY \_\_\_\_\_ DATE \_\_\_\_\_

SEEDING & PROTECTION CONSTRUCTION  
 LT. STA. 215+00 TO STA. 228+07.97  
 CONST. 10,406 SY. SEEDING & PROTECTION

FENCE CONSTRUCTION  
 LT. STA. 215+00 TO STA. 227+75.18  
 CONST. 658 LF. WOVEN WIRE FENCE TYPE I

DITCH CONSTRUCTION (US 60) LT.							
STATION	SIZE-SHAPE	TYPE	QUANTITY	D	T	FILTER FABRIC	SHEAR
215+00 TO 218+05	SPCL. *V*	E.C.B.	283 SY	1.5'	--	--	0.27
218+05 TO 219+33	SPCL. *V*	E.C.B.	104 SY	1.5'	--	--	0.13
219+33 TO 220+05	2' FB	E.C.B.	126 SY	1'	--	--	0.33
220+05 TO 220+29.22	2' FB	E.C.B.	14 SY	1'	--	--	--
221+37.19 TO 226+50	2' FB	E.C.B.	704 SY	1'	--	--	0.77
226+50 TO 228+07.97	SPCL. *V*	E.C.B.	150 SY	1.5'	--	--	0.37

E.C.B. - EROSION CONTROL BLANKET

ENTRANCE CONSTRUCTION (US 60) LT.									
STATION	TYPE	WIDTH	RADIUS	DGA TON	BASE TON	SURF. TON	DIA.	TYPE	LENGTH
220+85	FIELD	24'	25' 25'	154	72	44	18"	PIPE	96'

ENTRANCE CONSTRUCTION (US 60) RT.									
STATION	TYPE	WIDTH	RADIUS	DGA TON	BASE TON	SURF. TON	DIA.	TYPE	LENGTH
220+85	FIELD	24'	25' 25'	151	71	44	18"	PIPE	84'

RIGHT-OF-WAY MARKER CONSTRUCTION  
 CONST. 6 R/W MARKERS-RURAL TYPE I,  
 AS SHOWN

FENCE CONSTRUCTION  
 RT. STA. 215+00 TO STA. 228+39.93  
 CONST. 1327 LF. WOVEN WIRE FENCE TYPE I

SEEDING & PROTECTION CONSTRUCTION  
 RT. STA. 215+00 TO STA. 228+07.97  
 CONST. 9401 SY. SEEDING & PROTECTION

DITCH CONSTRUCTION (US 60) RT.							
STATION	SIZE-SHAPE	TYPE	QUANTITY	D	T	FILTER FABRIC	SHEAR
215+00 TO 215+98	SPCL. *V*	E.C.B.	79 SY	1.5'	--	--	0.2
215+98 TO 217+83	SPCL. *V*	E.C.B.	135 SY	1.5'	--	--	0.13
217+83 TO 219+57	SPCL. *V*	E.C.B.	227 SY	1.5'	--	--	0.32
219+57 TO 220+40.32	2' FB	E.C.B.	94 SY	1'	--	--	--
221+30.70 TO 226+50	2' FB	E.C.B.	687 SY	1'	--	--	0.65
226+50 TO 228+07.97	SPCL. *V*	E.C.B.	150 SY	1.5'	--	--	0.38

E.C.B. - EROSION CONTROL BLANKET

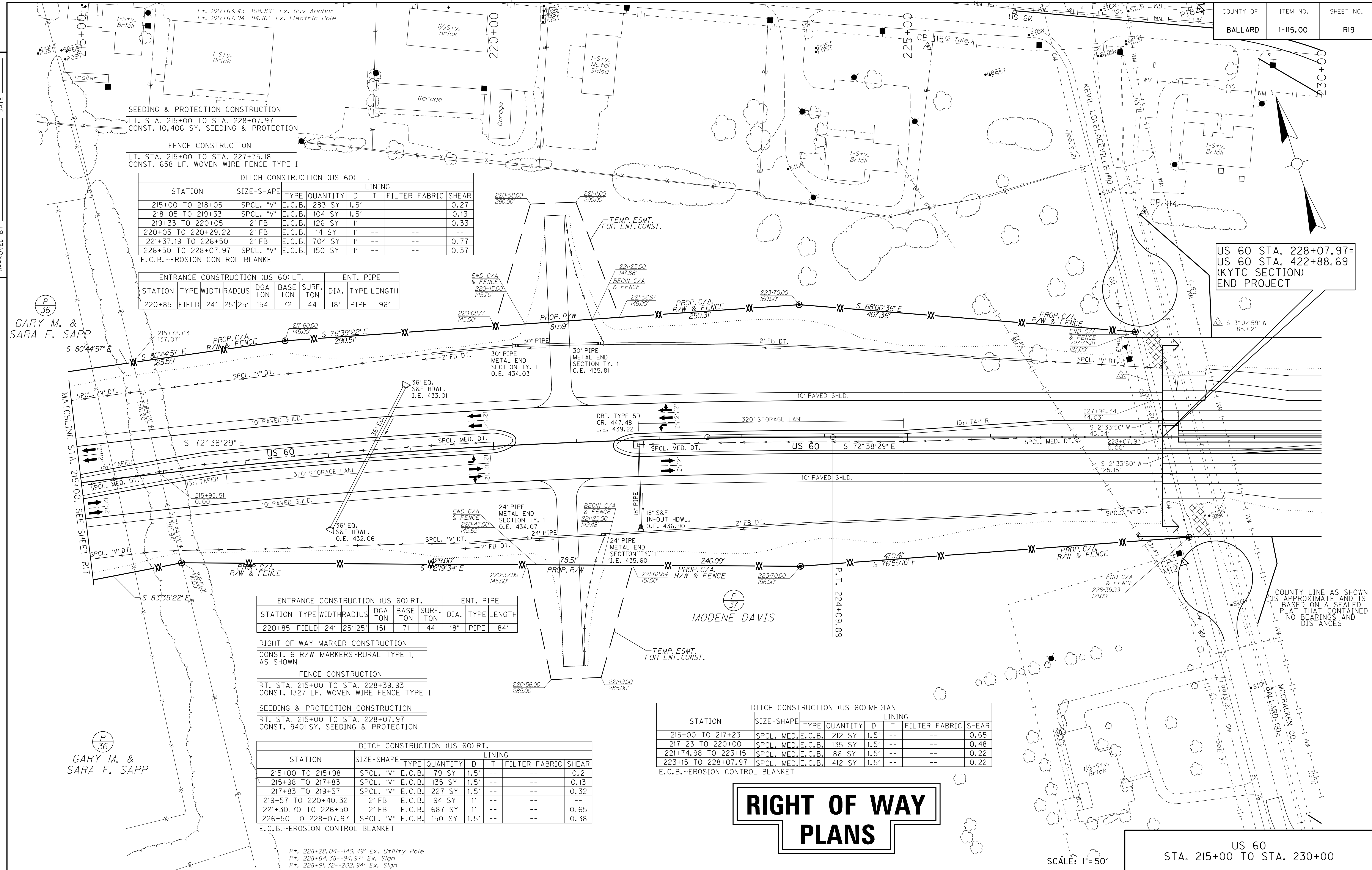
DITCH CONSTRUCTION (US 60) MEDIAN							
STATION	SIZE-SHAPE	TYPE	QUANTITY	D	T	FILTER FABRIC	SHEAR
215+00 TO 217+23	SPCL. MED.	E.C.B.	212 SY	1.5'	--	--	0.65
217+23 TO 220+00	SPCL. MED.	E.C.B.	135 SY	1.5'	--	--	0.48
221+74.98 TO 223+15	SPCL. MED.	E.C.B.	86 SY	1.5'	--	--	0.22
223+15 TO 228+07.97	SPCL. MED.	E.C.B.	412 SY	1.5'	--	--	0.22

E.C.B. - EROSION CONTROL BLANKET

# RIGHT OF WAY PLANS

SCALE: 1"=50'

US 60  
 STA. 215+00 TO STA. 230+00



GARY M. & SARA F. SAPP

MODENE DAVIS

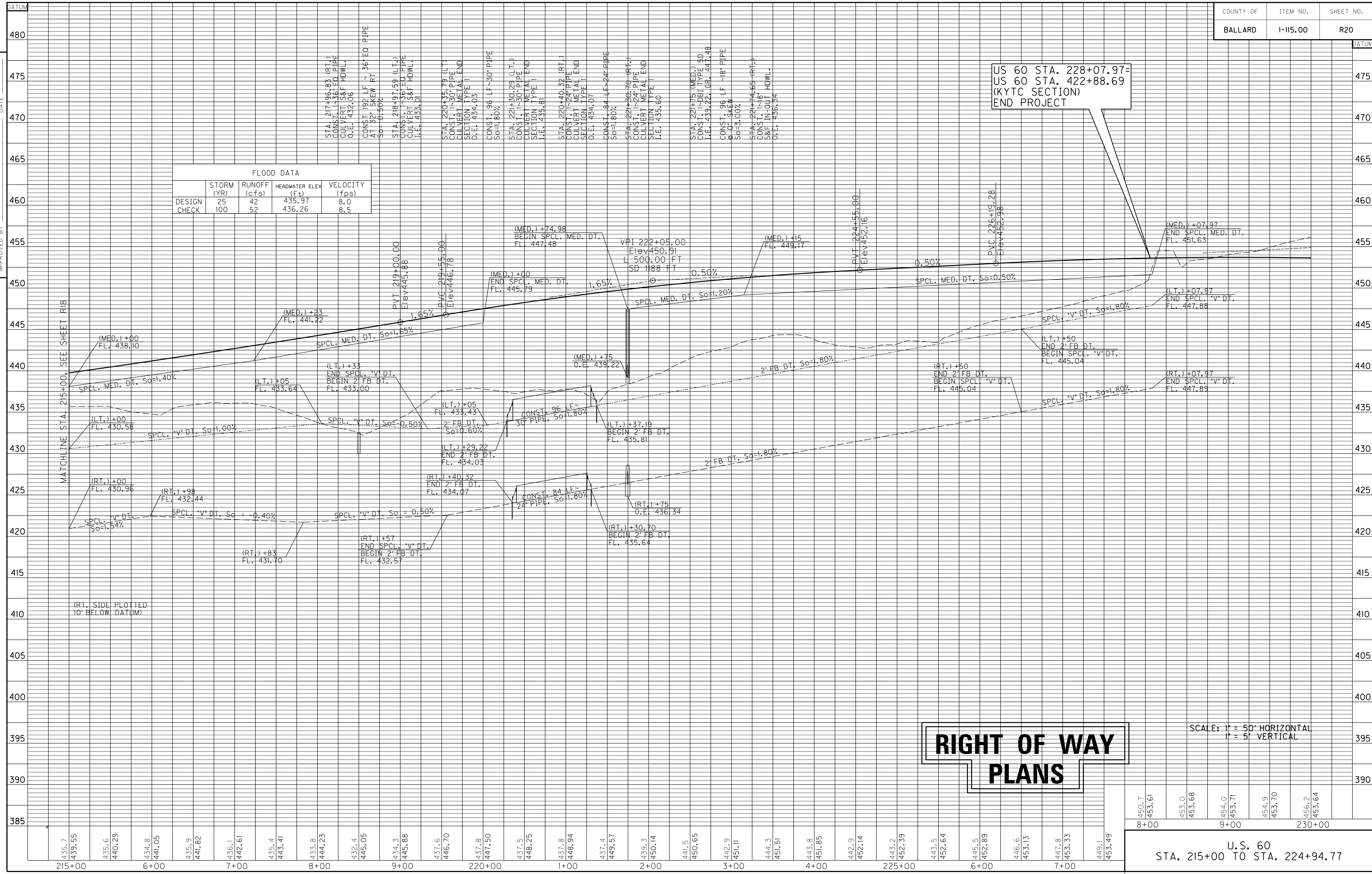
GARY M. & SARA F. SAPP

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 E-SHEET NAME:

COUNTY LINE AS SHOWN IS APPROXIMATE AND IS BASED ON A SEALED PLAN THAT CONTAINED NO BEARINGS AND DISTANCES

PREPARED BY AMERICAN ENGINEERS, INC. DATE 3-28-08  
 CHECKED BY AMERICAN ENGINEERS, INC. DATE 3-28-08  
 APPROVED BY \_\_\_\_\_ DATE \_\_\_\_\_

FLOOD DATA				
DESIGN CHECK	STORM (YR)	RUNOFF (cfs)	HEADWATER ELEV (ft)	VELOCITY (fps)
	25	42	435.97	8.0
	100	52	436.26	8.5



US 60 STA. 228+07.97=  
 US 60 STA. 422+88.69  
 (KYTC SECTION)  
 END PROJECT

# RIGHT OF WAY PLANS

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

U.S. 60  
 STA. 215+00 TO STA. 224+94.77

USER: \$\$\$USER\$\$\$  
 DATE: \$\$\$DATE\$\$\$  
 FILE NAME: \$\$\$designfiles\$\$\$specifications\$\$\$  
 E-SHEET NAME:

BEGIN STATION	TERM. SEC.	END TREAT.	END STATION	TERM. SEC.	END TREAT.	LENGTH
13+86	No. 1	--	17+75	--	TY. 4A	408 FT

STATION	TYPE	WIDTH	RADIUS	DGA TON	BASE TON	SURF. TON	LT.	ENT. PIPE
13+85	RES.	18'	25'	25'	102	48	29	18" PIPE 60'

RIGHT-OF-WAY MARKER CONSTRUCTION  
CONST. 7 R/W MARKERS-RURAL TYPE I, AS SHOWN

US 60 CONNECTOR STA. 19+76  
END CONSTRUCTION

BEGIN STATION	TERM. SEC.	END TREAT.	END STATION	TERM. SEC.	END TREAT.	LENGTH
11+15.09	--	--	17+75	--	TY. 4A	648 FT

STATION	SIZE-SHAPE	LINING					
		TYPE	QUANTITY	D	T	FILTER FABRIC	SHEAR
11+16 TO 12+31	2' FB	E.C.B.	131 SY	1.0'	--	--	0.24
12+31 TO 15+30.48	2' FB	E.C.B.	342 SY	1.0'	--	--	0.43
15+92 TO 17+58	2' FB	E.C.B.	342 SY	1.0'	--	--	0.36
17+58 TO 19+65	SPCL. *V	E.C.B.	236 SY	1.0'	--	--	0.85

STATION	SIZE-SHAPE	LINING					
		TYPE	QUANTITY	D	T	FILTER FABRIC	SHEAR
10+90 TO 12+44	SPCL. *V	E.C.B.	146 SY	1.5'	--	--	0.27
12+44 TO 13+62.82	2' FB	E.C.B.	179 SY	1.0'	--	--	--
14+14.44 TO 14+55	2' FB	E.C.B.	61 SY	1'	--	--	0.64
14+55 TO 15+60	2' FB	E.C.B.	120 SY	1'	--	--	0.38
15+60 TO 16+25	2' FB	E.C.B.	74 SY	1'	--	--	0.18
16+25 TO 16+80	2' FB	E.C.B.	57 SY	1'	--	--	0.04
17+10 TO 19+65	2' FB	CL. II	206 TON	1'	1.5'	330 SY	2.37

STATION	SIZE-SHAPE	LINING					
		TYPE	QUANTITY	D	T	FILTER FABRIC	SHEAR
3+15 TO 4+00	SPCL. *V	E.C.B.	81 SY	1.5'	--	--	0.49
4+00 TO 7+22	SPCL. *V	E.C.B.	306 SY	1.5'	--	--	0.79
7+22 TO 9+07	SPCL. *V	E.C.B.	176 SY	1.5'	--	--	0.28

STATION	SIZE-SHAPE	LINING					
		TYPE	QUANTITY	D	T	FILTER FABRIC	SHEAR
3+15 TO 3+80	SPCL. *V	E.C.B.	62 SY	1.5'	--	--	0.63
3+80 TO 6+55	SPCL. *V	E.C.B.	261 SY	1.5'	--	--	0.72
6+55 TO 8+97	SPCL. *V	E.C.B.	230 SY	1.5'	--	--	0.23

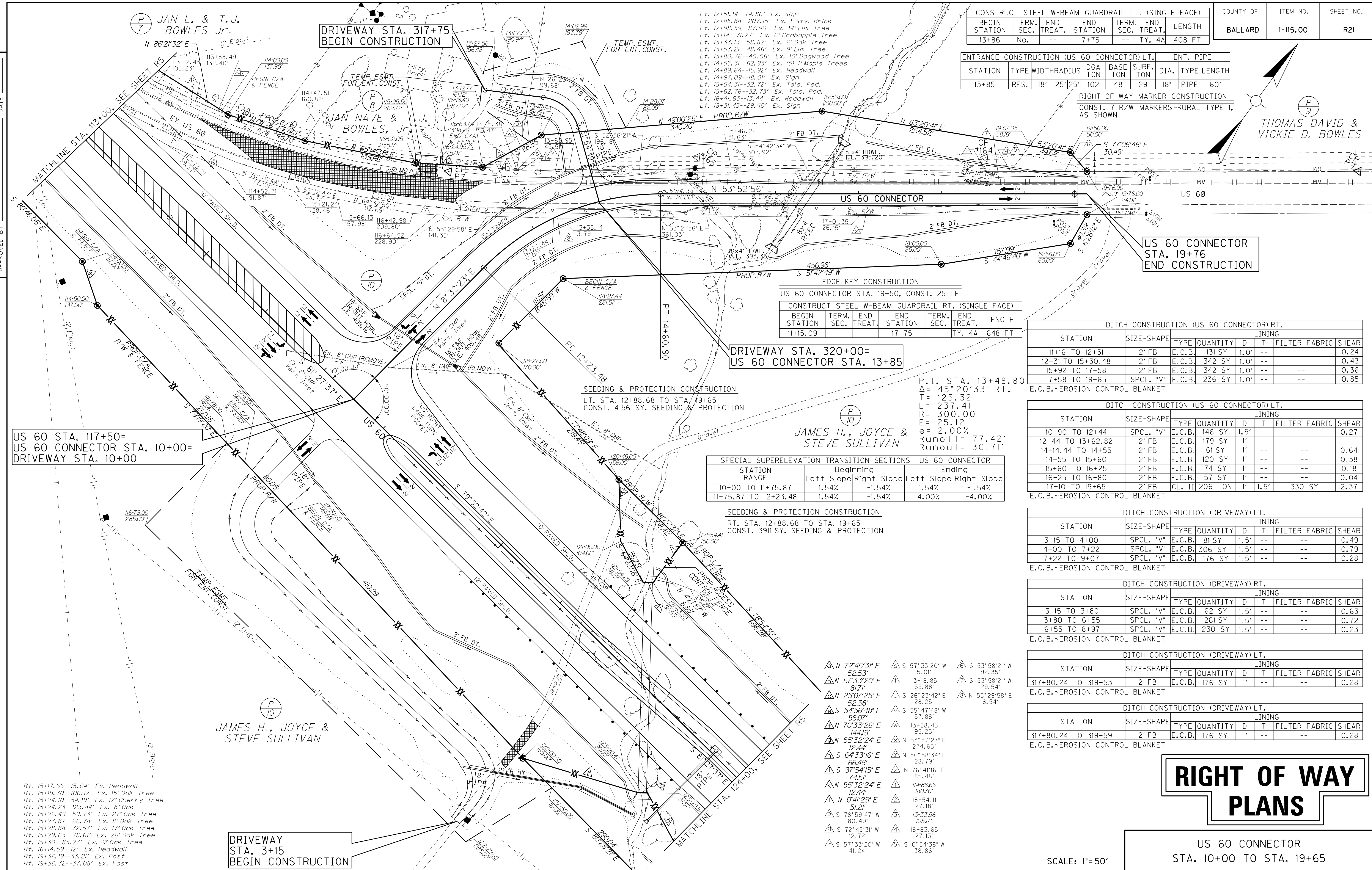
STATION	SIZE-SHAPE	LINING					
		TYPE	QUANTITY	D	T	FILTER FABRIC	SHEAR
317+80.24 TO 319+53	2' FB	E.C.B.	176 SY	1'	--	--	0.28

STATION	SIZE-SHAPE	LINING					
		TYPE	QUANTITY	D	T	FILTER FABRIC	SHEAR
317+80.24 TO 319+59	2' FB	E.C.B.	176 SY	1'	--	--	0.28

# RIGHT OF WAY PLANS

US 60 CONNECTOR  
STA. 10+00 TO STA. 19+65

SCALE: 1"=50'



PREPARED BY AMERICAN ENGINEERS, INC. DATE 3-28-08  
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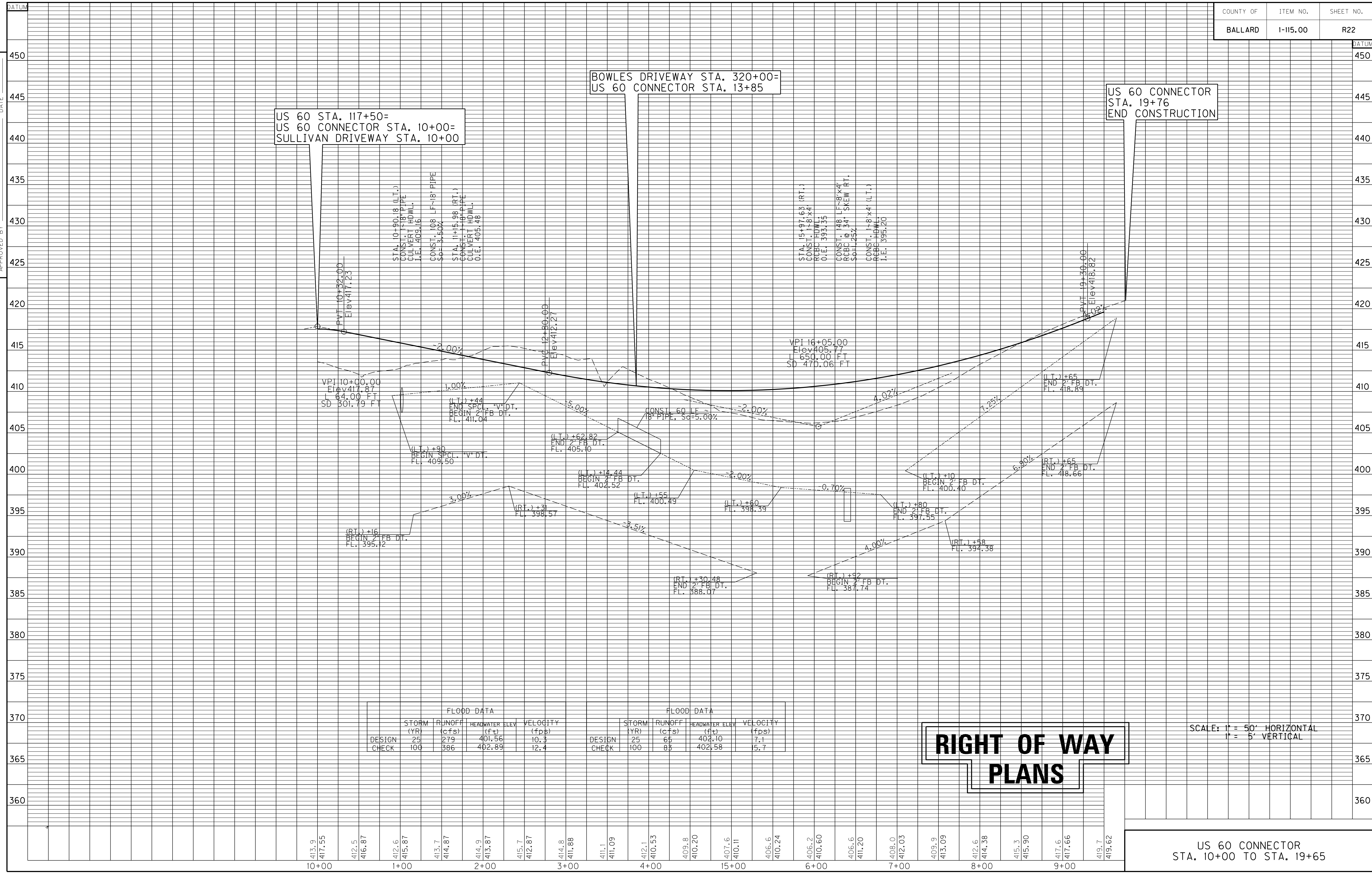
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 E-SHEET NAME:

- Rt. 15+17.66--15.04' Ex. Headwall
- Rt. 15+19.70--106.12' Ex. 15' Oak Tree
- Rt. 15+24.10--54.19' Ex. 12' Cherry Tree
- Rt. 15+24.23--123.84' Ex. 8' Oak
- Rt. 15+26.49--59.73' Ex. 27' Oak Tree
- Rt. 15+27.87--66.78' Ex. 8' Oak Tree
- Rt. 15+28.88--72.57' Ex. 17' Oak Tree
- Rt. 15+29.63--78.61' Ex. 26' Oak Tree
- Rt. 15+30--83.27' Ex. 9' Oak Tree
- Rt. 16+14.59--12' Ex. Headwall
- Rt. 19+36.19--33.21' Ex. Post
- Rt. 19+36.32--37.08' Ex. Post

DRIVEWAY  
STA. 3+15  
BEGIN CONSTRUCTION



PREPARED BY AMERICAN ENGINEERS, INC. DATE 3-28-08  
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FLOOD DATA				FLOOD DATA					
STORM (YR)	RUNOFF (cfs)	HEADWATER ELEV (ft)	VELOCITY (fps)	STORM (YR)	RUNOFF (cfs)	HEADWATER ELEV (ft)	VELOCITY (fps)		
DESIGN	25	279	401.56	10.3	DESIGN	25	65	402.10	7.1
CHECK	100	386	402.89	12.4	CHECK	100	83	402.58	15.7

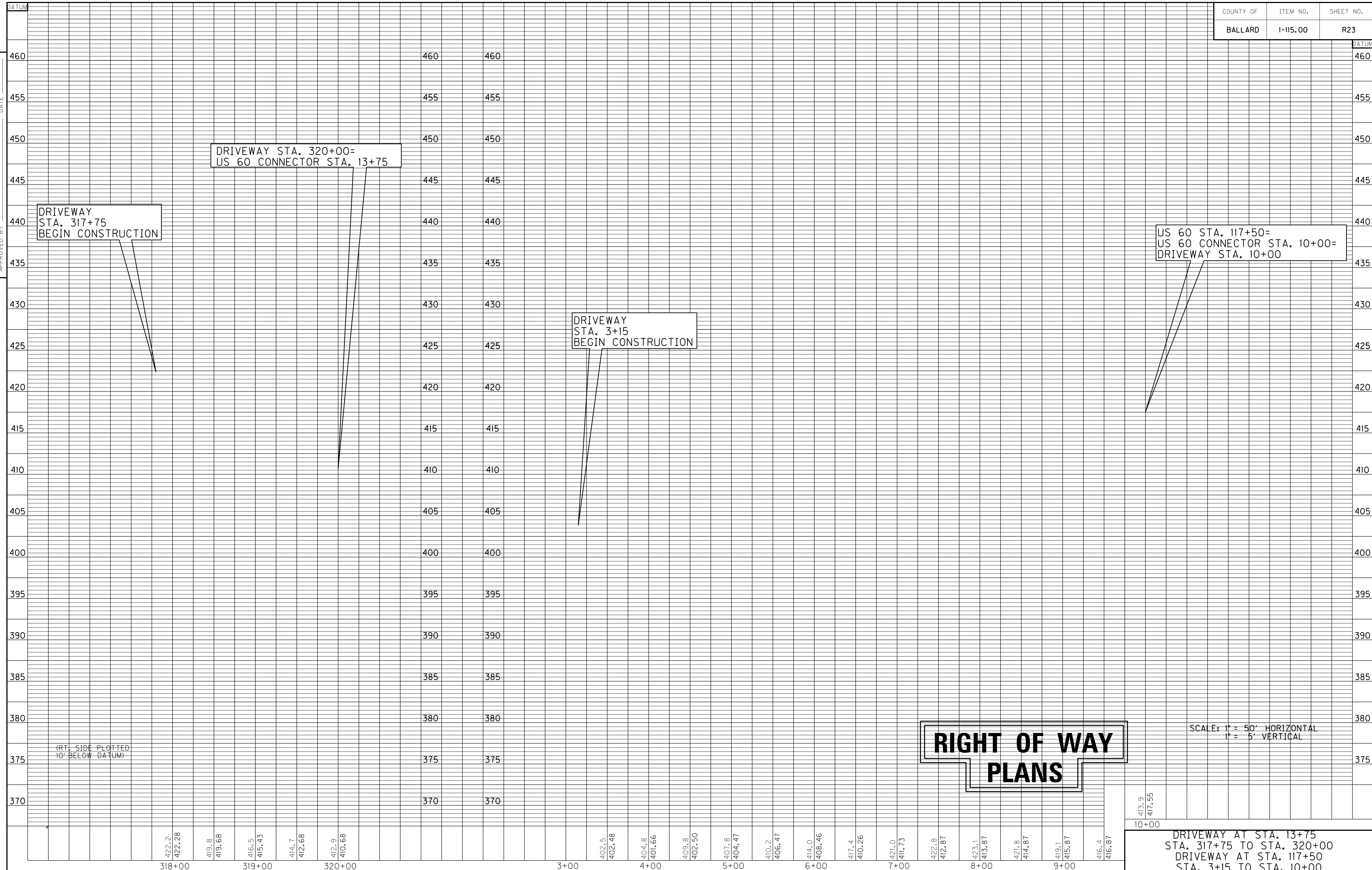
**RIGHT OF WAY  
PLANS**

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

US 60 CONNECTOR  
 STA. 10+00 TO STA. 19+65

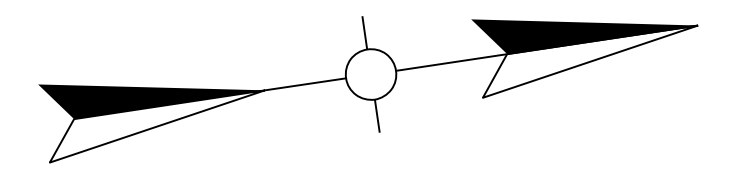
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PREPARED BY AMERICAN ENGINEERS, INC. DATE 3-28-08  
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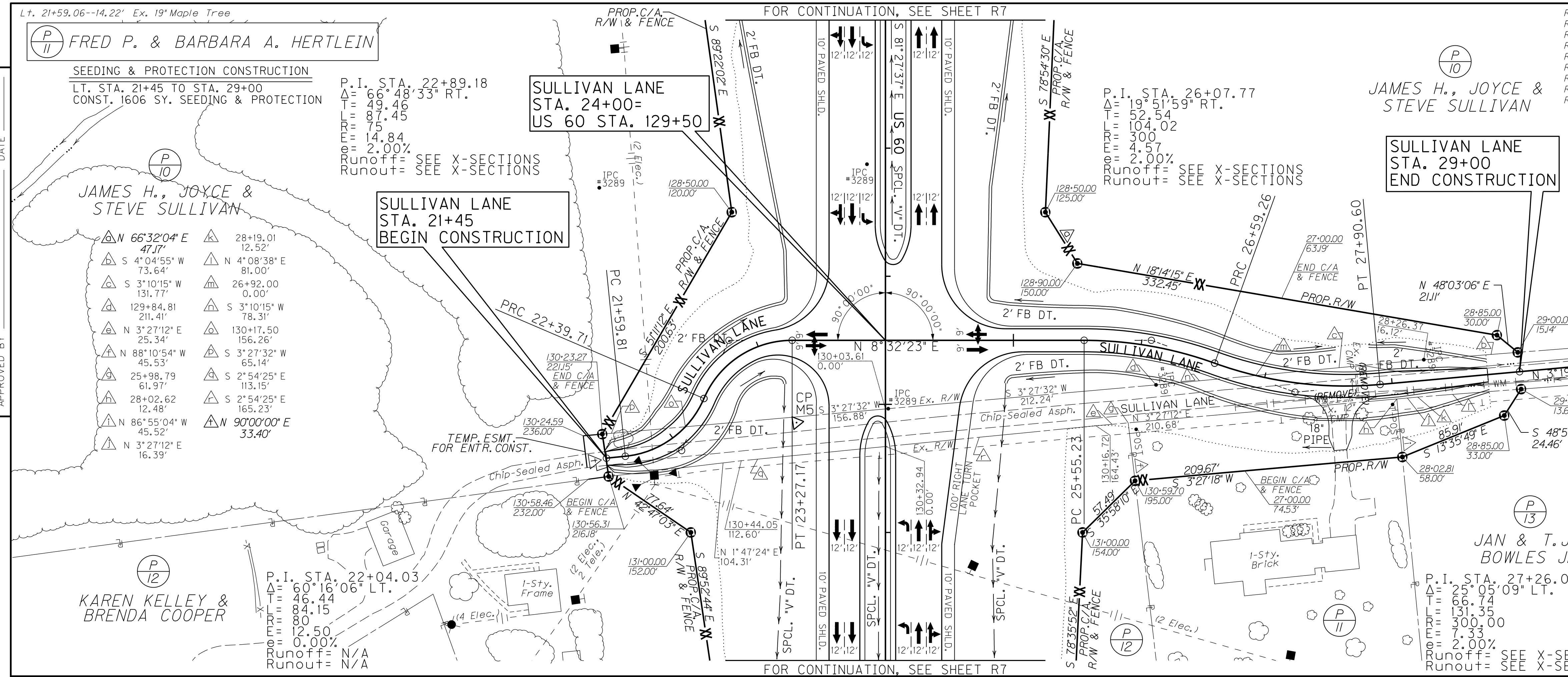


USER: \$\$\$USER\$\$\$  
 DATE: \$\$\$DATE\$\$\$  
 FILE NAME: \$\$\$designsfilespecifications\$\$\$  
 E-SHEET NAME:

Rt. 21+64.50--24.57' Ex. Guy Anchor  
 Rt. 21+68.98--5.33' Ex. Guy Anchor  
 Rt. 21+76.62--19.42' Ex. Utility Pole  
 Rt. 21+88.04--23.57' Ex. Guy Anchor  
 Rt. 23+30.60--64.25' Ex. Conc. Monument  
 Rt. 26+07.61--65.96' Ex. Post  
 Rt. 26+89.86--134.67' Ex. 1-Story Brick  
 Rt. 27+44.63--119.69' Ex. 1-Story Brick  
 Rt. 27+98.93--16.51' Ex. Telephone Post



PREPARED BY AMERICAN ENGINEERS, INC. DATE 3-28-08  
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 APPROVED BY \_\_\_\_\_ DATE \_\_\_\_\_



DITCH CONSTRUCTION (SULLIVAN LANE) LT.

STATION	SIZE-SHAPE	TYPE	QUANTITY	LINING			SHEAR
				D	T	FILTER FABRIC	
21+45 TO 21+80	2' FB	E.C.B.	40 SY	1'	--	--	0.05
21+80 TO 23+24	2' FB	E.C.B.	164 SY	1'	--	--	0.49
24+80 TO 25+78	2' FB	E.C.B.	112 SY	1'	--	--	0.29
25+78 TO 27+07	2' FB	E.C.B.	147 SY	1'	--	--	0.4
27+07 TO 27+55	2' FB	E.C.B.	74 SY	1'	--	--	0.06
27+84 TO 28+75	2' FB	E.C.B.	117 SY	1'	--	--	0.23

E.C.B.-EROSION CONTROL BLANKET

SEEDING & PROTECTION CONSTRUCTION  
 RT. STA. 21+00 TO STA. 29+00  
 CONST. 2107 SY. SEEDING & PROTECTION

ENTRANCE CONSTRUCTION (SULLIVAN LANE) RT.

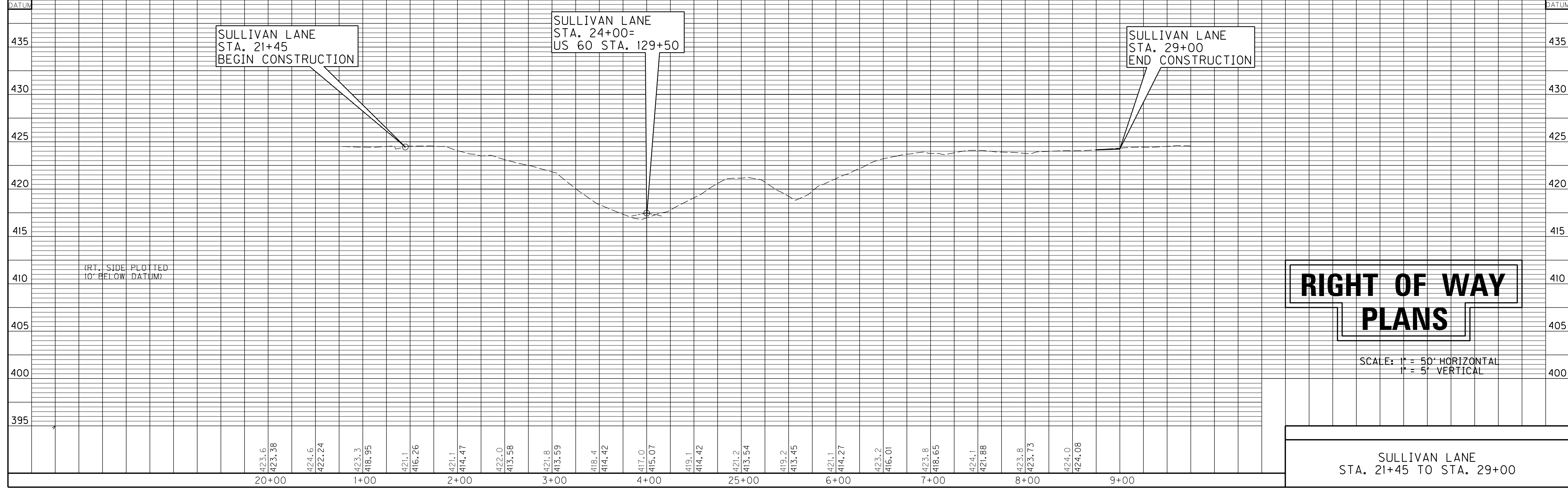
STATION	TYPE	WIDTH	RADIUS	DGA TON	BASE TON	SURF. TON	ENT. PIPE	
							DIA.	TYPE LENGTH
27+61	RES.	18'	25'125'	24	12	7	18"	PIPE 36'

DITCH CONSTRUCTION (SULLIVAN LANE) RT.

STATION	SIZE-SHAPE	TYPE	QUANTITY	LINING			SHEAR
				D	T	FILTER FABRIC	
21+45 TO 21+75	2' FB	E.C.B.	34 SY	1'	--	--	0.04
21+75 TO 23+20	2' FB	E.C.B.	165 SY	1'	--	--	0.49
24+82 TO 26+10	2' FB	E.C.B.	146 SY	1'	--	--	0.34
26+10 TO 27+00	2' FB	E.C.B.	102 SY	1'	--	--	0.45
27+00 TO 27+42.99	2' FB	E.C.B.	60 SY	1'	--	--	--
27+76.09 TO 28+75	2' FB	E.C.B.	139 SY	1'	--	--	0.28

E.C.B.-EROSION CONTROL BLANKET

SCALE: 1"=50'



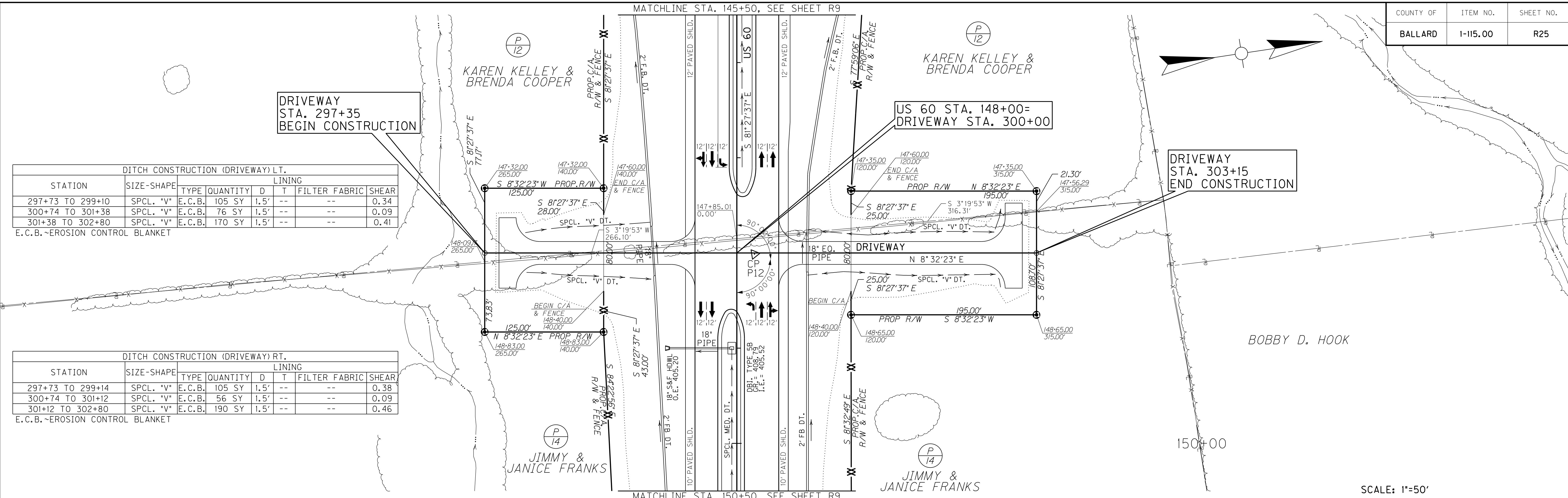
# RIGHT OF WAY PLANS

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

SULLIVAN LANE  
 STA. 21+45 TO STA. 29+00

USER: \$\$\$USER\$\$\$  
 DATE: \$\$\$DATE\$\$\$  
 FILE NAME: \$\$\$designsfiles\$\$\$specifications\$\$\$  
 E-SHEET NAME:

PREPARED BY AMERICAN ENGINEERS, INC. DATE 3-28-08  
 CHECKED BY AMERICAN ENGINEERS, INC. DATE 3-28-08  
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DITCH CONSTRUCTION (DRIVEWAY) LT.

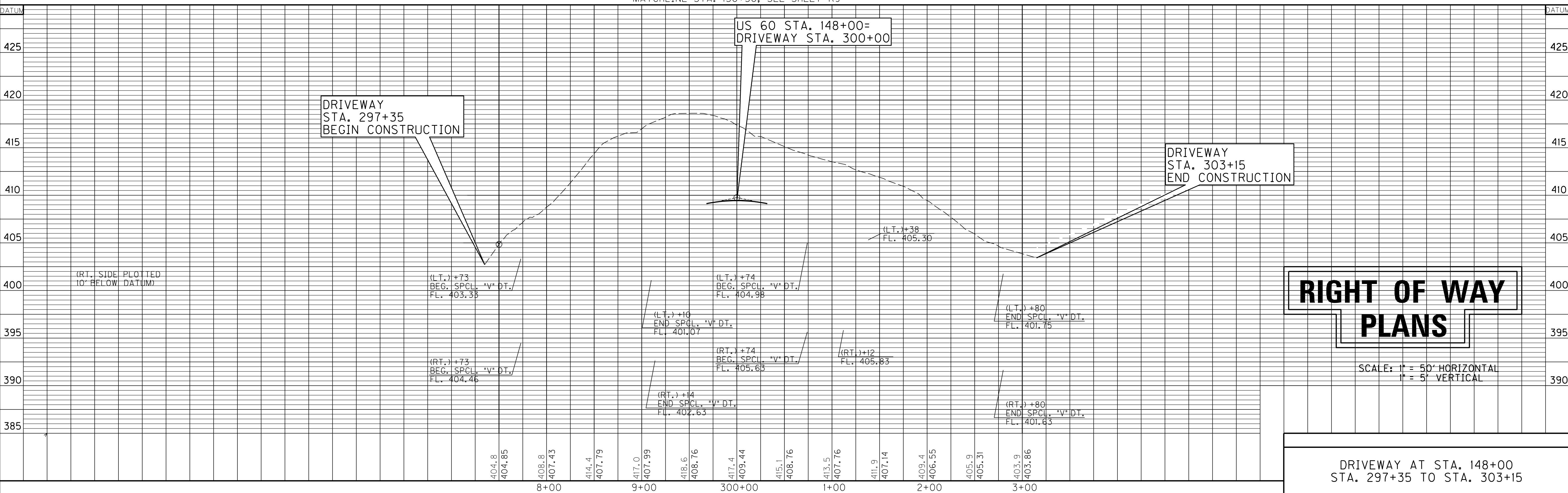
STATION	SIZE-SHAPE	TYPE	QUANTITY	D	T	FILTER FABRIC	SHEAR
297+73 TO 299+10	SPCL. 'V'	E.C.B.	105 SY	1.5'	--	--	0.34
300+74 TO 301+38	SPCL. 'V'	E.C.B.	76 SY	1.5'	--	--	0.09
301+38 TO 302+80	SPCL. 'V'	E.C.B.	170 SY	1.5'	--	--	0.41

E.C.B. - EROSION CONTROL BLANKET

DITCH CONSTRUCTION (DRIVEWAY) RT.

STATION	SIZE-SHAPE	TYPE	QUANTITY	D	T	FILTER FABRIC	SHEAR
297+73 TO 299+14	SPCL. 'V'	E.C.B.	105 SY	1.5'	--	--	0.38
300+74 TO 301+12	SPCL. 'V'	E.C.B.	56 SY	1.5'	--	--	0.09
301+12 TO 302+80	SPCL. 'V'	E.C.B.	190 SY	1.5'	--	--	0.46

E.C.B. - EROSION CONTROL BLANKET



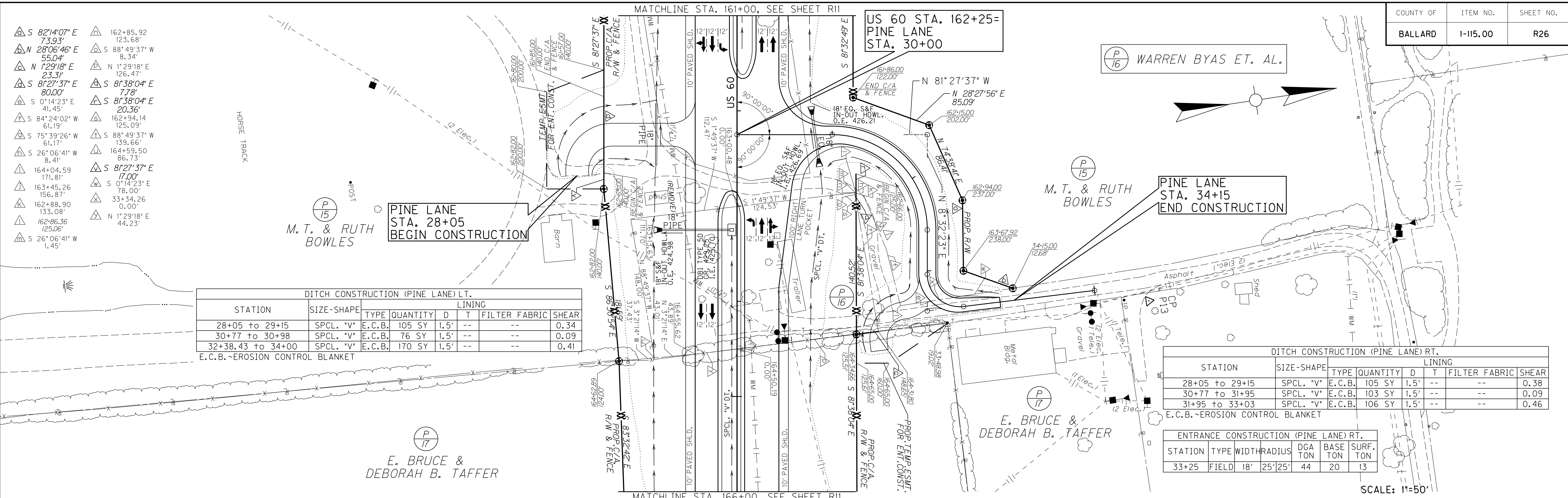
# RIGHT OF WAY PLANS

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

DRIVEWAY AT STA. 148+00  
 STA. 297+35 TO STA. 303+15

USER: \$\$\$USER\$\$\$  
 DATE: \$\$\$DATE\$\$\$  
 FILE NAME: \$\$\$designsfiles\$\$\$specifications\$\$\$  
 E-SHEET NAME:

PREPARED BY AMERICAN ENGINEERS, INC. DATE 3-28-08  
 CHECKED BY AMERICAN ENGINEERS, INC. DATE 3-28-08  
 APPROVED BY \_\_\_\_\_ DATE \_\_\_\_\_



DITCH CONSTRUCTION (PINE LANE) LT.

STATION	SIZE-SHAPE	TYPE	QUANTITY	D	T	FILTER FABRIC	SHEAR
28+05 to 29+15	SPCL. "V"	E.C.B.	105 SY	1.5'	--	--	0.34
30+77 to 30+98	SPCL. "V"	E.C.B.	76 SY	1.5'	--	--	0.09
32+38.43 to 34+00	SPCL. "V"	E.C.B.	170 SY	1.5'	--	--	0.41

E.C.B. - EROSION CONTROL BLANKET

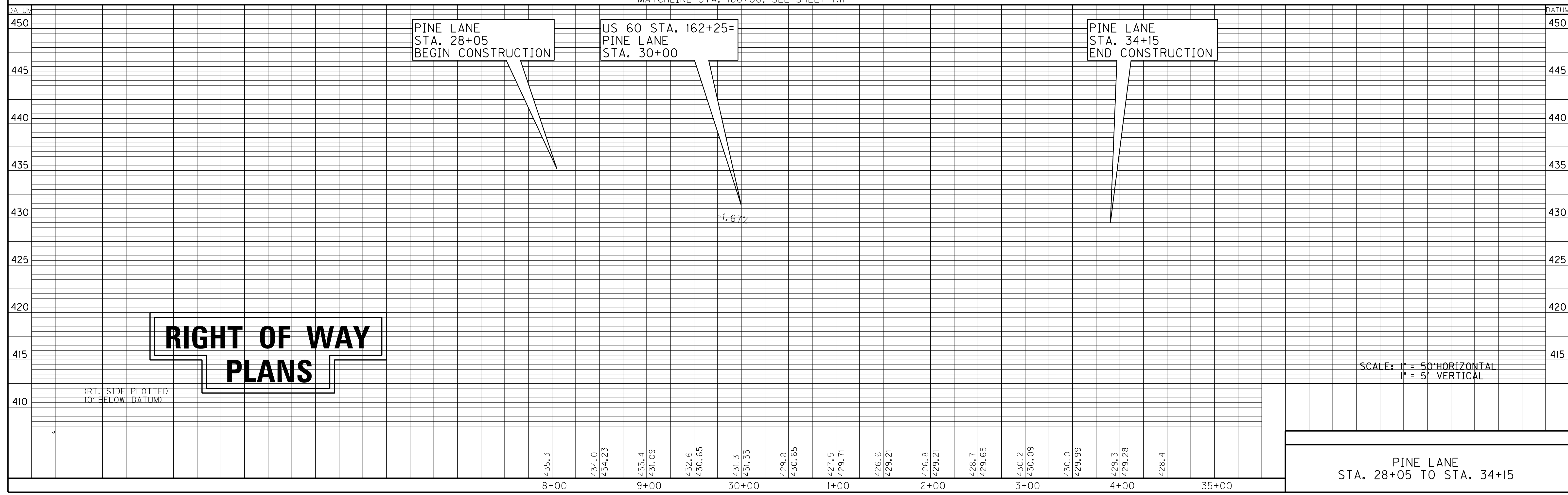
DITCH CONSTRUCTION (PINE LANE) RT.

STATION	SIZE-SHAPE	TYPE	QUANTITY	D	T	FILTER FABRIC	SHEAR
28+05 to 29+15	SPCL. "V"	E.C.B.	105 SY	1.5'	--	--	0.38
30+77 to 31+95	SPCL. "V"	E.C.B.	103 SY	1.5'	--	--	0.09
31+95 to 33+03	SPCL. "V"	E.C.B.	106 SY	1.5'	--	--	0.46

E.C.B. - EROSION CONTROL BLANKET

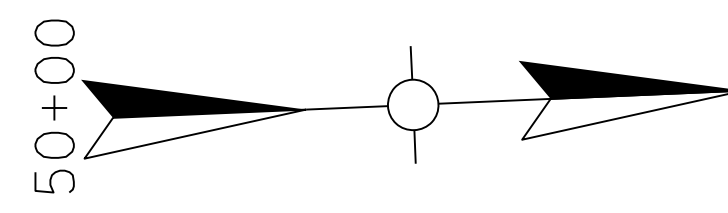
ENTRANCE CONSTRUCTION (PINE LANE) RT.

STATION	TYPE	WIDTH	RADIUS	DGA TON	BASE TON	SURF. TON
33+25	FIELD	18'	25' 25'	44	20	13



USER: \$\$\$USER\$\$\$  
 DATE: \$\$\$DATE\$\$\$  
 FILE NAME: \$\$\$designsfiles\$\$\$  
 E-SHEET NAME:

PINE LANE  
 STA. 28+05 TO STA. 34+15



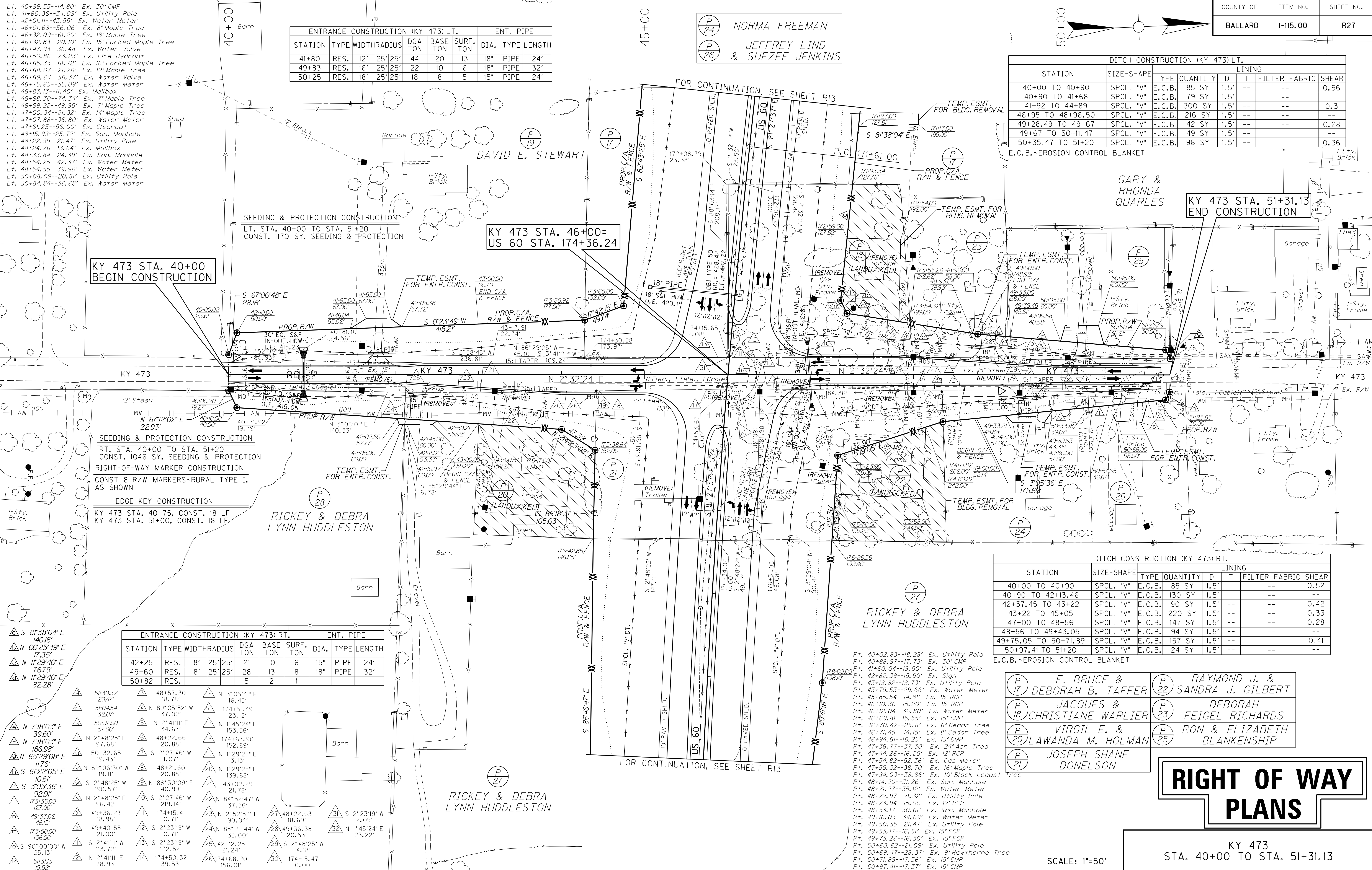
(P 24) NORMA FREEMAN  
(P 26) JEFFREY LIND & SUEZEE JENKINS

- Lt. 40+89.55--14.80' Ex. 30' CMP
- Lt. 41+60.36--34.08' Ex. Utility Pole
- Lt. 42+01.11--43.55' Ex. Water Meter
- Lt. 46+01.68--56.06' Ex. 8' Maple Tree
- Lt. 46+32.09--61.20' Ex. 18' Maple Tree
- Lt. 46+32.83--20.10' Ex. 15' Forked Maple Tree
- Lt. 46+47.93--36.48' Ex. Water Valve
- Lt. 46+50.86--23.23' Ex. Fire Hydrant
- Lt. 46+65.33--61.72' Ex. 16' Forked Maple Tree
- Lt. 46+68.07--21.26' Ex. 12' Maple Tree
- Lt. 46+69.64--36.37' Ex. Water Valve
- Lt. 46+75.65--35.09' Ex. Water Meter
- Lt. 46+83.13--11.40' Ex. Mailbox
- Lt. 46+98.30--74.34' Ex. 7' Maple Tree
- Lt. 46+99.22--49.95' Ex. 7' Maple Tree
- Lt. 47+00.34--21.32' Ex. 14' Maple Tree
- Lt. 47+07.88--36.80' Ex. Water Meter
- Lt. 47+61.25--56.00' Ex. Cleanout
- Lt. 48+15.99--25.72' Ex. San. Manhole
- Lt. 48+22.99--21.47' Ex. Utility Pole
- Lt. 48+24.26--13.64' Ex. Mailbox
- Lt. 48+33.84--24.39' Ex. San. Manhole
- Lt. 48+54.25--42.37' Ex. Water Meter
- Lt. 48+54.55--39.96' Ex. Water Meter
- Lt. 50+08.09--20.81' Ex. Utility Pole
- Lt. 50+84.84--36.68' Ex. Water Meter

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ENTRANCE CONSTRUCTION (KY 473) LT.						ENT. PIPE			
STATION	TYPE	WIDTH	RADIUS	DGA TON	BASE TON	SURF. TON	DIA.	TYPE	LENGTH
41+80	RES.	12'	25' 25'	44	20	13	18"	PIPE	24'
49+83	RES.	16'	25' 25'	22	10	6	18"	PIPE	32'
50+25	RES.	18'	25' 25'	18	8	5	15"	PIPE	24'

DITCH CONSTRUCTION (KY 473) LT.									
STATION	SIZE-SHAPE	TYPE	QUANTITY	LINING			SHEAR		
				D	T	FILTER FABRIC			
40+00 TO 40+90	SPCL. "V"	E.C.B.	85 SY	1.5'	--	--	0.56		
40+90 TO 41+68	SPCL. "V"	E.C.B.	79 SY	1.5'	--	--	--		
41+92 TO 44+89	SPCL. "V"	E.C.B.	300 SY	1.5'	--	--	0.3		
46+95 TO 48+96.50	SPCL. "V"	E.C.B.	216 SY	1.5'	--	--	--		
49+28.49 TO 49+67	SPCL. "V"	E.C.B.	42 SY	1.5'	--	--	0.28		
49+67 TO 50+11.47	SPCL. "V"	E.C.B.	49 SY	1.5'	--	--	--		
50+35.47 TO 51+20	SPCL. "V"	E.C.B.	96 SY	1.5'	--	--	0.36		



KY 473 STA. 40+00 BEGIN CONSTRUCTION

KY 473 STA. 46+00= US 60 STA. 174+36.24

KY 473 STA. 51+31.13 END CONSTRUCTION

SEEDING & PROTECTION CONSTRUCTION  
RT. STA. 40+00 TO STA. 51+20  
CONST. 1046 SY. SEEDING & PROTECTION  
RIGHT-OF-WAY MARKER CONSTRUCTION  
CONST 8 R/W MARKERS-RURAL TYPE I,  
AS SHOWN  
EDGE KEY CONSTRUCTION  
KY 473 STA. 40+75, CONST. 18 LF  
KY 473 STA. 51+00, CONST. 18 LF

ENTRANCE CONSTRUCTION (KY 473) RT.						ENT. PIPE			
STATION	TYPE	WIDTH	RADIUS	DGA TON	BASE TON	SURF. TON	DIA.	TYPE	LENGTH
42+25	RES.	18'	25' 25'	21	10	6	15"	PIPE	24'
49+60	RES.	18'	25' 25'	28	13	8	18"	PIPE	32'
50+82	RES.	--	--	5	2	1	--	--	--

DITCH CONSTRUCTION (KY 473) RT.									
STATION	SIZE-SHAPE	TYPE	QUANTITY	LINING			SHEAR		
				D	T	FILTER FABRIC			
40+00 TO 40+90	SPCL. "V"	E.C.B.	85 SY	1.5'	--	--	0.52		
40+90 TO 42+13.46	SPCL. "V"	E.C.B.	130 SY	1.5'	--	--	--		
42+37.45 TO 43+22	SPCL. "V"	E.C.B.	90 SY	1.5'	--	--	0.42		
43+22 TO 45+05	SPCL. "V"	E.C.B.	220 SY	1.5'	--	--	0.33		
47+00 TO 48+56	SPCL. "V"	E.C.B.	147 SY	1.5'	--	--	0.28		
48+56 TO 49+43.05	SPCL. "V"	E.C.B.	94 SY	1.5'	--	--	--		
49+75.05 TO 50+71.89	SPCL. "V"	E.C.B.	157 SY	1.5'	--	--	0.41		
50+97.41 TO 51+20	SPCL. "V"	E.C.B.	24 SY	1.5'	--	--	--		

- (P 17) E. BRUCE & DEBORAH B. TAFFER
- (P 22) RAYMOND J. & SANDRA J. GILBERT
- (P 18) JACQUES & CHRISTIANE WARLIER
- (P 23) DEBORAH FEIGEL RICHARDS
- (P 20) VIRGIL E. & LAWANDA M. HOLMAN
- (P 25) RON & ELIZABETH BLANKENSHIP
- (P 21) JOSEPH SHANE DONELSON

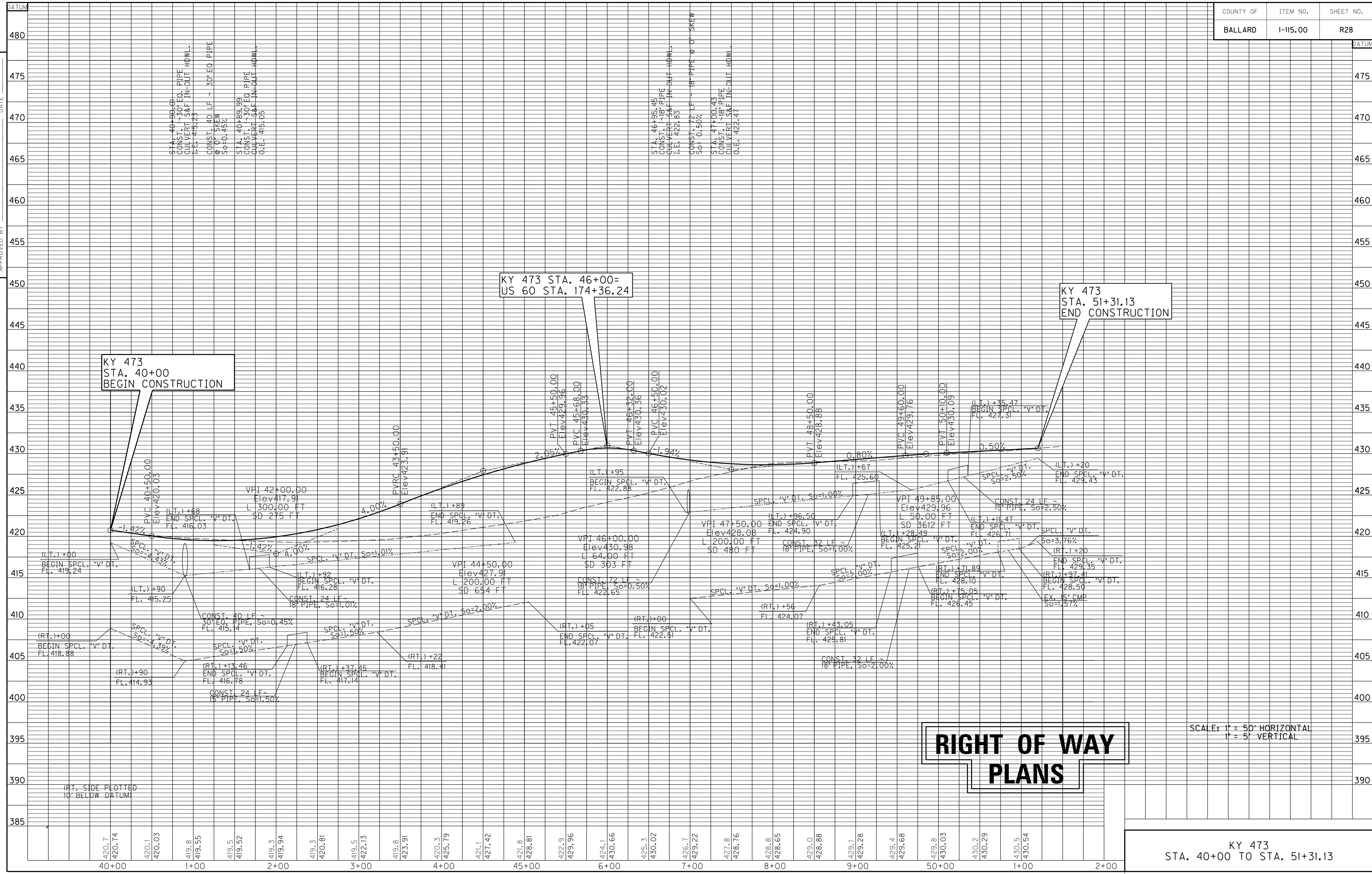
**RIGHT OF WAY PLANS**

KY 473  
STA. 40+00 TO STA. 51+31.13

SCALE: 1"=50'

USER: \$\$\$USER\$\$\$\$  
DATE: \$\$\$DATE\$\$\$\$  
FILE NAME: \$\$\$designsfiles\$specifications\$\$\$  
E-SHEET NAME:

PREPARED BY AMERICAN ENGINEERS, INC. DATE 3-28-08  
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KY 473  
STA. 40+00  
BEGIN CONSTRUCTION

KY 473 STA. 46+00=  
US 60 STA. 174+36.24

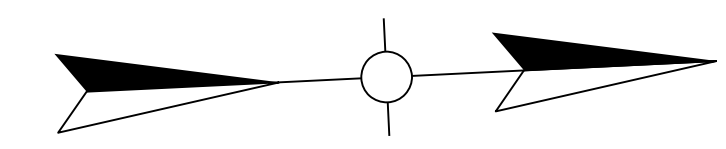
KY 473  
STA. 51+31.13  
END CONSTRUCTION

**RIGHT OF WAY  
PLANS**

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

KY 473  
STA. 40+00 TO STA. 51+31.13

USER: \$\$\$USER\$\$\$  
 DATE: \$\$\$DATE\$\$\$  
 FILE NAME: \$\$\$designsfiles\$\$\$specifications\$\$\$  
 E-SHEET NAME:



DITCH CONSTRUCTION (ENTRANCE AT 185+50) LT.						
STATION	SIZE-SHAPE	TYPE	QUANTITY	D	T	FILTER FABRIC SHEAR
303+90 TO 304+25	SPCL. "V"	E.C.B.	33 SY	1.5'	--	0.35
305+74 TO 306+60	SPCL. "V"	E.C.B.	82 SY	1.5'	--	0.71

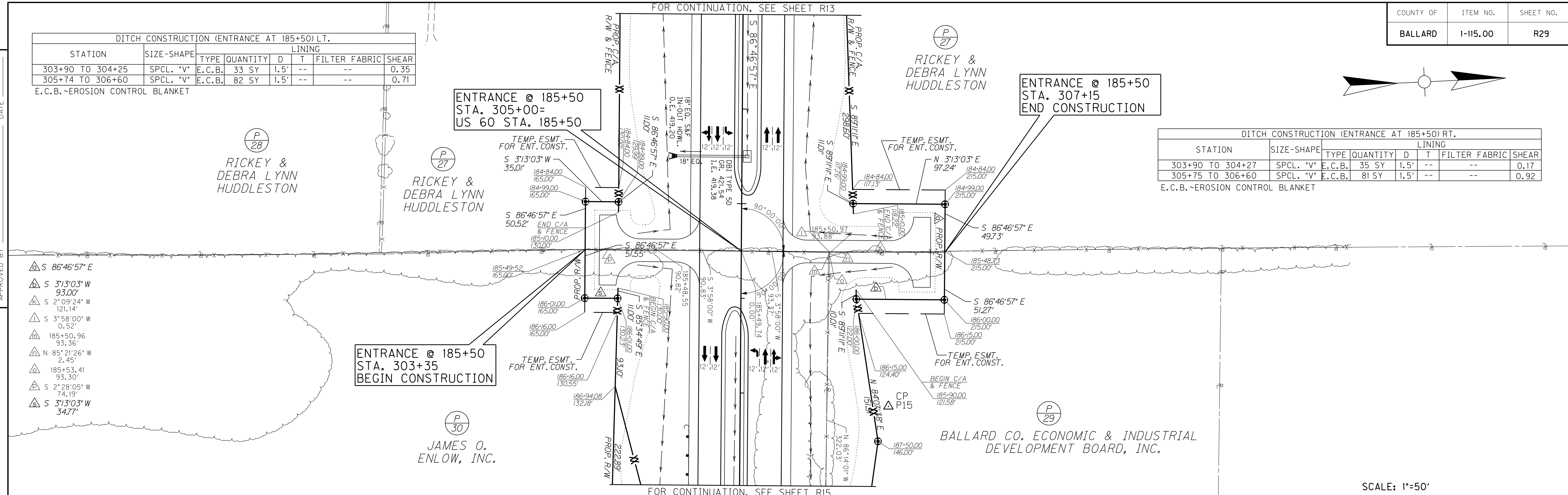
E.C.B. - EROSION CONTROL BLANKET

DITCH CONSTRUCTION (ENTRANCE AT 185+50) RT.						
STATION	SIZE-SHAPE	TYPE	QUANTITY	D	T	FILTER FABRIC SHEAR
303+90 TO 304+27	SPCL. "V"	E.C.B.	35 SY	1.5'	--	0.17
305+75 TO 306+60	SPCL. "V"	E.C.B.	81 SY	1.5'	--	0.92

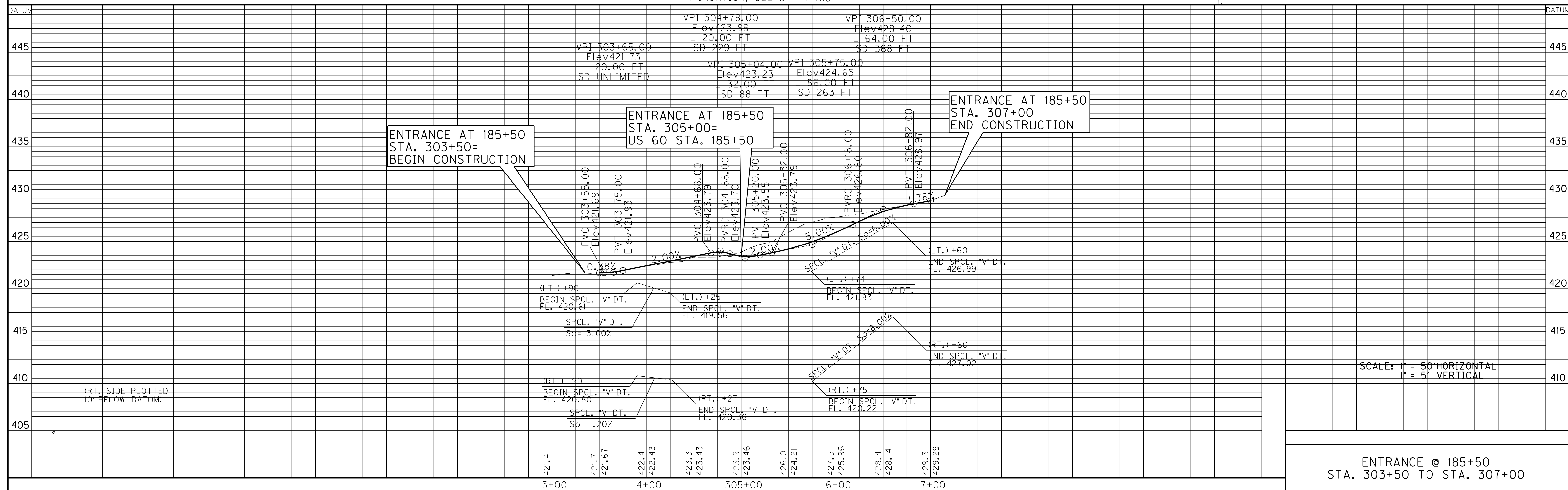
E.C.B. - EROSION CONTROL BLANKET

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 APPROVED BY \_\_\_\_\_ DATE \_\_\_\_\_

- △ S 86°46'57" E
- △ S 3°13'03" W 93.00'
- △ S 2°09'24" W 121.14'
- △ S 3°58'00" W 0.52'
- △ 185+50.96 93.36'
- △ N 85°21'26" W 2.45'
- △ 185+53.41 93.30'
- △ S 2°28'05" W 74.19'
- △ S 3°13'03" W 34.77'



SCALE: 1"=50'



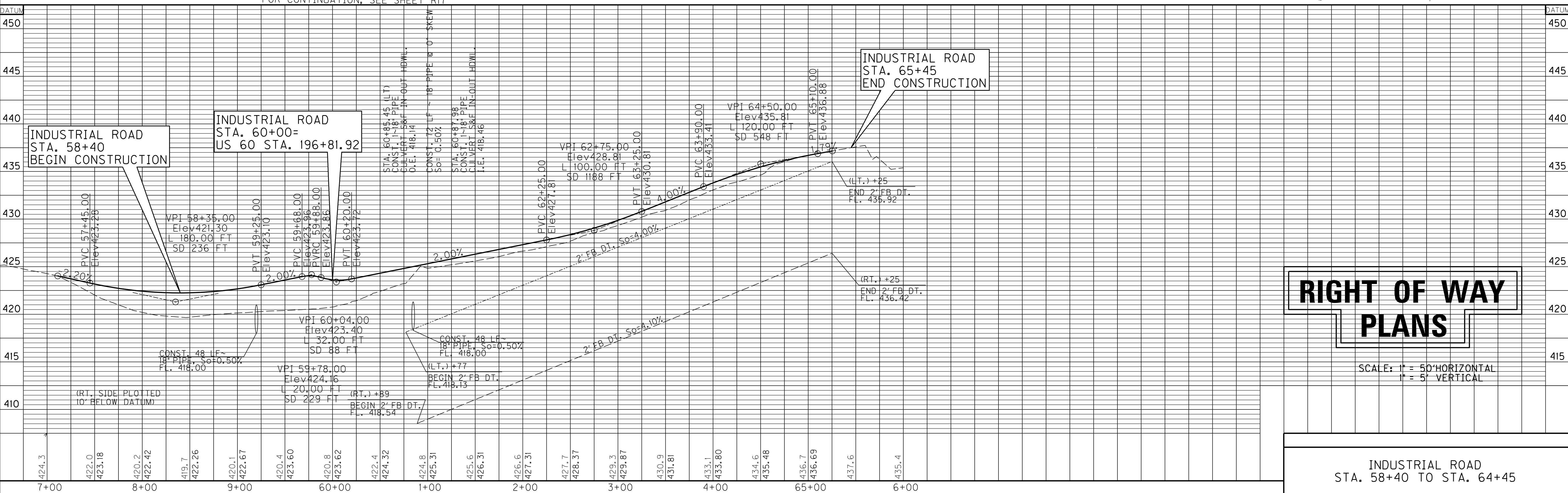
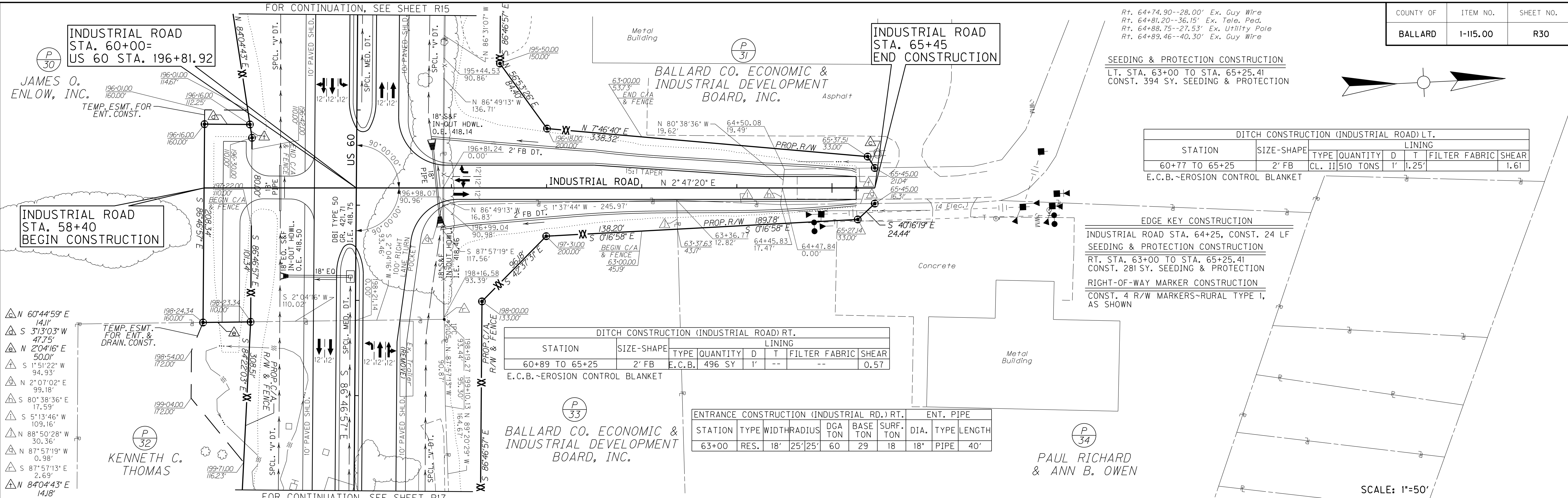
SCALE: 1" = 50' HORIZONTAL  
 1" = 5' VERTICAL

ENTRANCE @ 185+50  
 STA. 303+50 TO STA. 307+00

USER: \$\$\$USER\$\$\$  
 DATE: \$\$\$DATE\$\$\$  
 FILE NAME: \$\$\$designsfiles\$\$\$specifications\$\$\$  
 E-SHEET NAME:

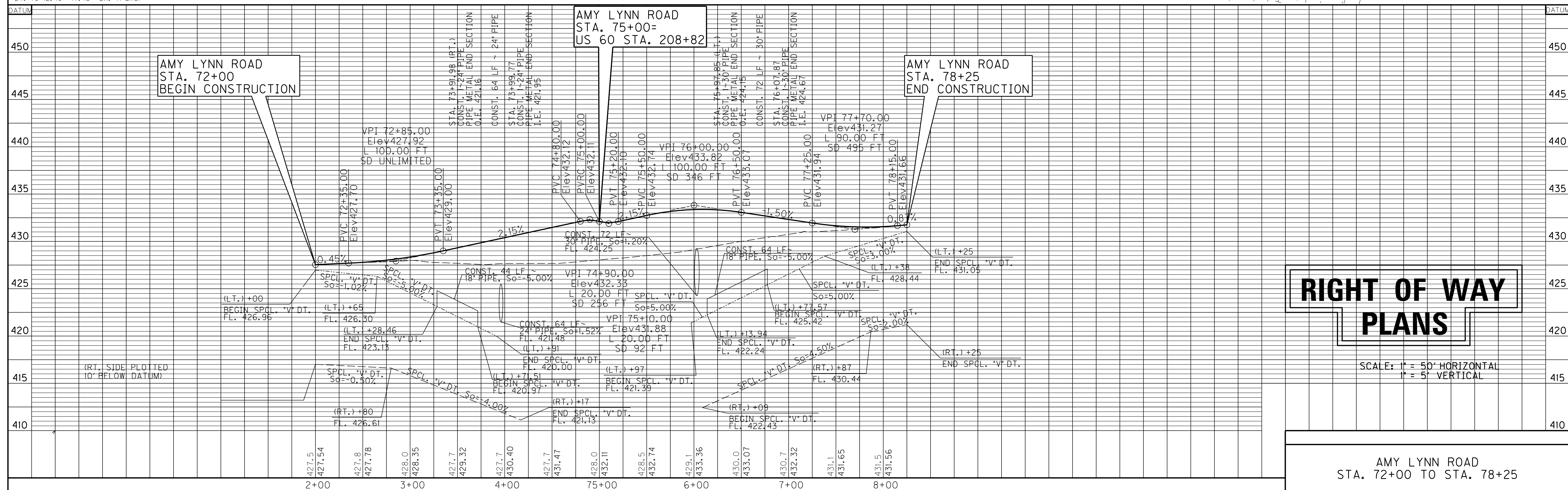
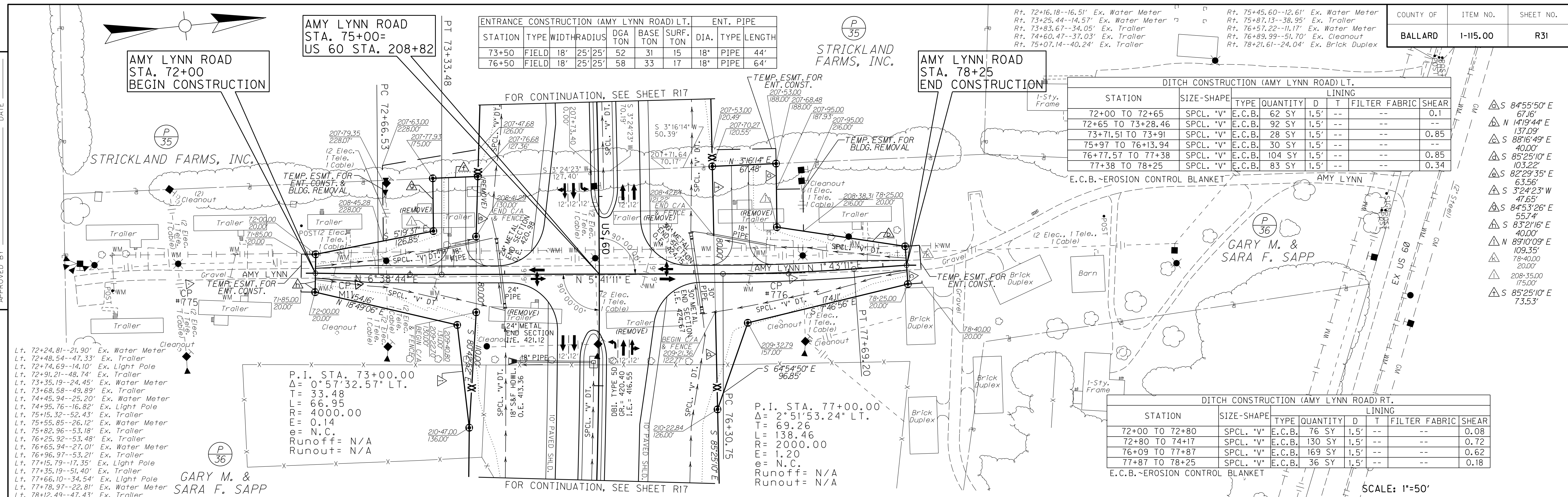


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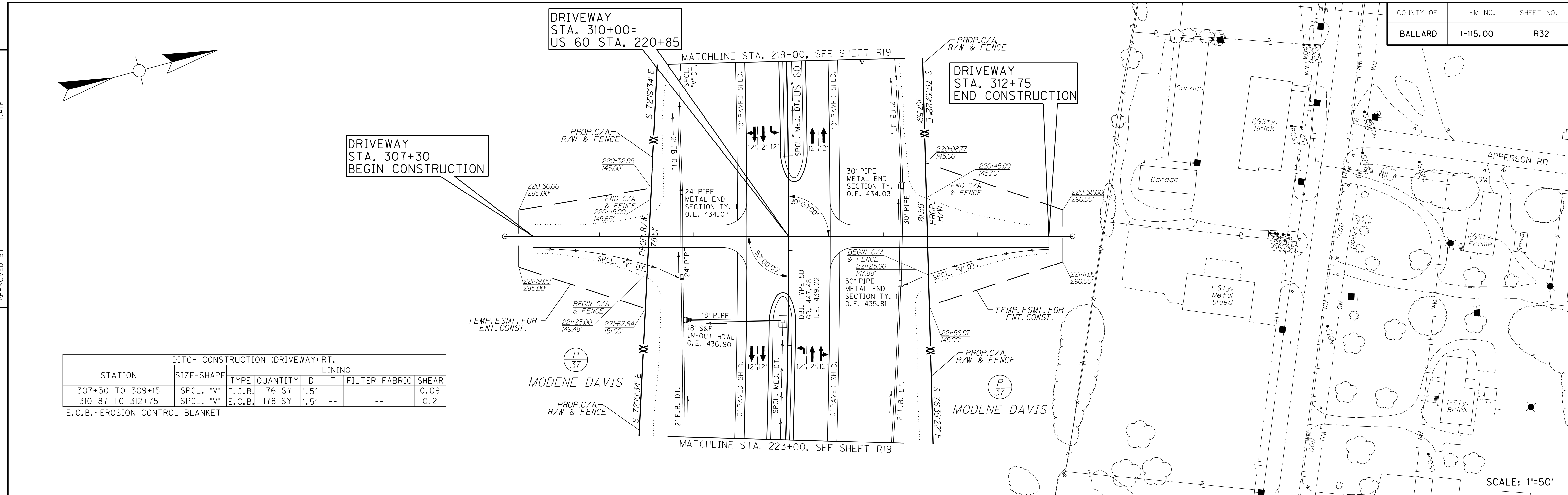
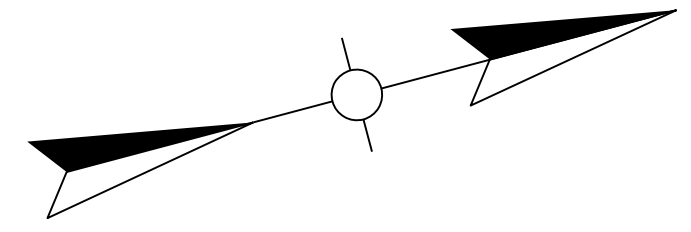
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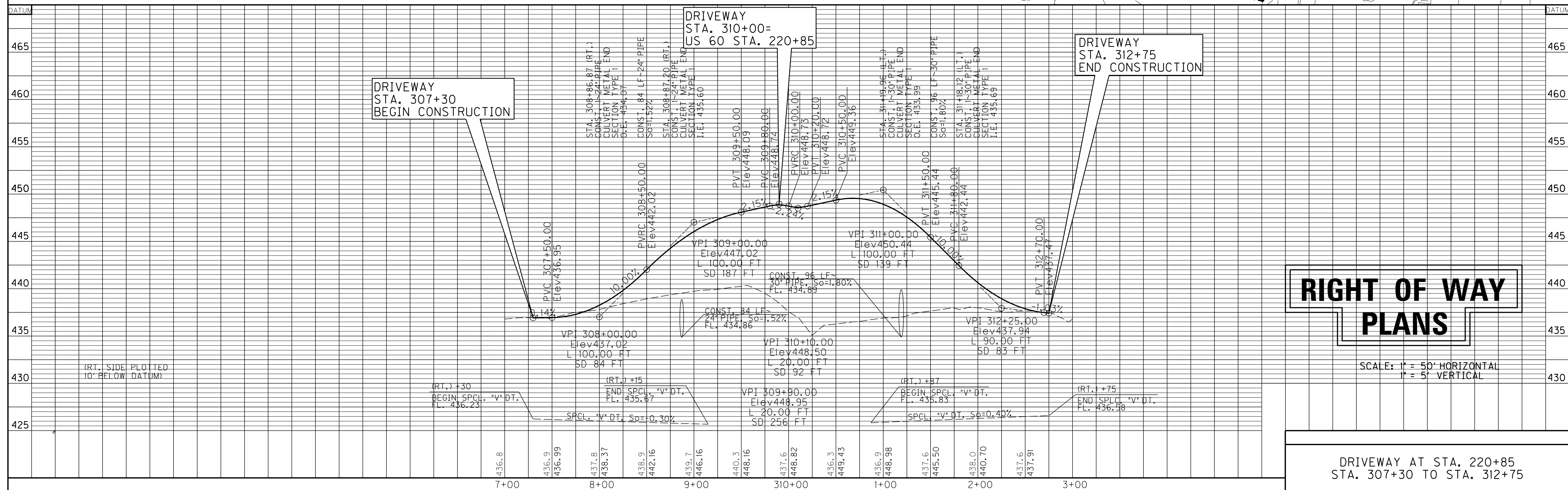
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DITCH CONSTRUCTION (DRIVEWAY) RT.							
STATION	SIZE-SHAPE	TYPE	QUANTITY	D	T	FILTER FABRIC	SHEAR
307+30 TO 309+15	SPCL. "V"	E.C.B.	176 SY	1.5'	--	--	0.09
310+87 TO 312+75	SPCL. "V"	E.C.B.	178 SY	1.5'	--	--	0.2

E.C.B. ~ EROSION CONTROL BLANKET

SCALE: 1"=50'



# RIGHT OF WAY PLANS

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

DRIVEWAY AT STA. 220+85  
 STA. 307+30 TO STA. 312+75

USER: \$\$\$USER\$\$\$  
 DATE: \$\$\$DATE\$\$\$  
 FILE NAME: \$\$\$designsfiles\$\$\$specifications\$\$\$  
 E-SHEET NAME:

## RIGHT OF WAY SUMMARY

PREPARED BY AMERICAN ENGINEERS, INC. DATE 3-28-08  
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 APPROVED BY \_\_\_\_\_ DATE \_\_\_\_\_

PARCEL NO.	OWNER(S)	TOTAL AREA		BASIS OF DETERMINATION ①	FEE SIMPLE RIGHT OF WAY ②		EASEMENTS		AREA(S) REMAINING				TOTAL AREA REMAINING ③		SOURCE OF TITLE ④ ⑤	REMARKS
		ACRES	SQ. FT.		ACRES	SQ. FT.	PERMANENT SQ. FT.	TEMPORARY SQ. FT.	LEFT		RIGHT		ACRES	SQ. FT.		
									ACRES	SQ. FT.	ACRES	SQ. FT.				
P1	MARION T. & MARJORIE L. BILLINGTON	20.40	888,624	a	0.34	14,998			20.06	873,626			20.06	873,626	P.D. 9, C. 13852	
P2	JERRY & CONNIE MYATT	1.03	44,884	a	0.02	828					1.01	44,056	1.01	44,056	P.D. 15, C. 30142	
P3	JAN L. & T.J. BOWLES Jr.	85.31	3,716,104	a	0.43	18,892		406			84.88	3,697,212	84.88	3,697,212	P.D., 10, C. 18617	
P4	JOSEPH L. & SHARON K. HAMILTON	2.81	122,404	a	0.16	6782		1126	2.65	115,622			2.65	115,622	P.D. 6, C. 9593	15' CMP TO BE REMOVED
P5	KENNETH R. & TINA R. SMITH	1.75	76,230	a	0.20	8651		1365	1.55	67,579			1.55	67,579	P.D. 24, C. 47835	
P6	THOMAS DAVID & VICKIE D. BOWLES	8.59	374,180	a	1.17	51,109		2047			7.42	323,071	7.42	323,071	P.D. 8, C. 12625	
P7	JAN L. & T.J. BOWLES Jr.	46	2,003,760	b	1.39	60,400		12,636	44.61	1,943,342			44.61	1,943,342	D.B. 56, PG. 525	18' CMP TO BE REMOVED
P8	JAN NAVE & T.J. BOWLES JR.	1.0	43,560	a	.01	579		4443	.99	42,981			.99	42,981	P.D. 13, C. 25182	15' RCP TO BE REMOVED
P9	THOMAS DAVID & VICKIE D. BOWLES	37.8	1,646,568	a	.04	1917			37.76	1,644,651			37.76	1,644,651	P.D. 10, C. 18220	
P10	JAMES H., JOYCE & STEVE SULLIVAN	190.1	8,280,756	a	14.39	626,750		72,558	19.23	833043 (4716 LL)	156.48	6,816,269	175.71	7,654,751	P.D. 10, C. 17777	(3) 8' CMP TO BE REMOVED
P11	FRED P. & BARBARA A. HERTLEIN	1.0	43,560	a	0.22	9566			.78	33,994			.78	33,994	P.D. 13, C. 25865	12' AND 15' CMP TO BE REMOVED
P12	KAREN KELLEY & BRENDA COOPER	110.00	4,791,600	a	12.90	561,767			5.96	259,760	91.14	3,970,090	97.10	4,229,833	P.D. 18, C. 37411	
P13	JAN & T.J. BOWLES Jr.	87.13	3,795,383	a	0.07	2831			87.06	3,792,552			87.06	3,792,552	P.D. 11, C. 21870	
P14	JIMMY & JANICE FRANKS	45.935	2,000,929	a	5.435	236,766			7.190	313,216	33.310	1,450,984	40.500	1,764,163	D.B. 76, PG. 190	
P15	M.T. & RUTH BOWLES	48.40	2,108,304	c	4.31	187,970		6808	8.27	360325	35.81	1,559,884	44.09	1,920,334	P.D. 19, C. 39722	BARN AND SHED TO BE REMOVED
P16	WARREN BYAS ET. AL.	0.807	35,166	a	0.807	35,166			0	0	0	0	0	0	P.D. 12, C. 23324	TRAILER TO BE REMOVED
P17	E. BRUCE & DEBORAH B. TAFFER	37.1	1,616,076	a	5.02	218,741		17,581	2.46	107,298	29.62	1,290,029	32.08	1,397,335	P.D. 11, C. 20821	BUILDING AND 15' CMP TO BE REMOVED
P18	JACQUES & CHRISTIANE WARLIER	1.00	43,560	a	0.77	33,502		6360	.23	10,058			.23	10,058	P.D. 16, C. 33941	1/2-STORY FRAME HOUSE AND GARAGE TO BE REMOVED
P19	DAVID E. STEWART	3.88	169,013	a	0.33	14,580		492			3.55	154,433	3.55	154,433	P.D. 25, C. 49426	15' CMP TO BE REMOVED
P20	VIRGIL E. & LAWANDA M. HOLMAN	0.75	32,670	a	0.15	6508					.60	26,162	.60	26,162	P.D. 5, C. 6420	18' CMP TO BE REMOVED
P21	JOSEPH SHANE DONELSON	0.806	35,105	a	0.806	35,105			0	0	0	0	0	0	D.B. 77, PG. 320	TRAILER TO BE REMOVED
P22	RAYMOND J. & SANDRA J. GILBERT	0.90	39,201	c	0.56	24,176		6909	.34	15,025			.34	15,025	P.D. 7, C. 10842	1/2- STORY FRAME HOUSE, TRAILER, GARAGE, 15' CMP AND 12' RCP TBR
P23	DEBORAH FEIGEL RICHARDS	0.49	21,344	a	0.09	3820		372	.40	17,524			.40	17,524	P.D. 7, C. 9635	15' STEEL PIPE TO BE REMOVED
P24	NORMA FREEMAN	0.74	32,409	c	0.11	4927		536	.63	27,482			.63	27,482	P.D. 2, C. 249	15' RCP
P25	RON & ELIZABETH BLANKENSHIP	0.75	32,483	c	.08	3324		967	.67	29,159			.67	29,159	D.B. 74, PG. 110	
P26	JEFFREY LIND & SUEZEE JENKINS	0.41	17,900	c	.03	1350		862	.38	16,550			.38	16,550	P.D. 3, C. 2665	15' CMP
P27	RICKEY & DEBRA LYNN HUDDLESTON	31.24	1,360,814	a	5.60	243,902		2196	20.29	884,050	5.35	232,885	25.64	1,116,922	P.D. 12, C. 22387	18' CMP TO BE REMOVED
P28	RICKEY & DEBRA LYNN HUDDLESTON	21.2	923,472	a	0.12	5428		52			21.08	918,044	21.08	918,044	P.D. 11, C. 21098	
P29	BALLARD CO. ECONOMIC & INDUSTRIAL DEVELOPMENT BOARD, INC.	3.907	170,187	a	0.485	21,135		1376	3.422	149,052			3.422	149,052	P.D. 11, C. 20957	
P30	JAMES O. ENLOW, INC.	43.00	1,873,080	a	6.81	296,613		1215			36.19	1,576,476	36.19	1,576,467	P.D. 25, C. 49866	
P31	BALLARD CO. ECONOMIC & INDUSTRIAL DEVELOPMENT BOARD, INC.	7.846	341,772	a	1.302	56,724			6.544	285,048			6.544	285,048	P.D. 11, C. 20957	
P32	KENNETH C. THOMAS	3.00	130,680	a	1.51	65,841		6612			1.49	64,839	1.49	64,839	P.D. 18, C. 38071	1-STORY FRAME HOUSE AND TRAILER TO BE REMOVED
P33	BALLARD CO. ECONOMIC & INDUSTRIAL DEVELOPMENT BOARD, INC.	2.199	95,784	a	0.537	23,409		74	1.662	72,375			1.662	72,375	P.D. 11, C. 20957	
P34	PAUL RICHARD & ANN B. OWEN	4.980	216,916	a	0.100	4356			4.880	212,560			4.880	212,560	P.D. 17, C. 35648	
P35	STRICKLAND FARM, INC.	16.79	731,424	c	3.61	157,130		3371	6.75	294,204	6.43	280,090	13.18	574,294	P.D. 13, C. 25700	
P36	GARY M. & SARA F. SAPP	18.914	823,894	a	5.738	249,965		5563	6.074	264,583	7.102	309,364	13.176	573,947	P.D. 22, C. 45904	4 TRAILERS AND A SHED TO BE REMOVED
P37	MODENE DAVIS	48.97	2,133,133	a	7.92	345,061		27,652					41.05	1,788,072	P.D. 12, C. 22937	

① BASIS FOR DETERMINATION OF AREA:  
 a. DEED  
 b. P.V.A.  
 c. CALCULATED  
 d. OTHER

② AREAS OF RIGHT OF WAY ROUNDED TO NEAREST 0.01 ACRE, OR TO NEAREST 0.001 ACRE IF DEED TOTAL ACREAGE IS TO NEAREST 0.001 ACRE. THE SQUARE FEET OF RIGHT OF WAY IS ACTUAL AMOUNT TAKEN.

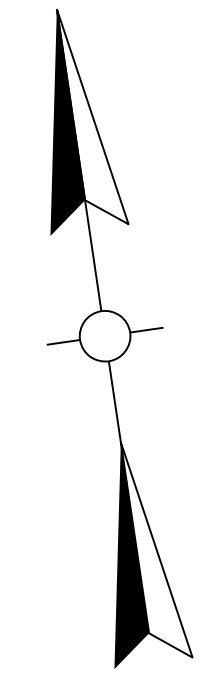
③ TOTAL AREA REMAINING = TOTAL AREA - FEE SIMPLE RIGHT OF WAY

④ D.B. - DEED BOOK  
 PG. - PAGE NUMBER

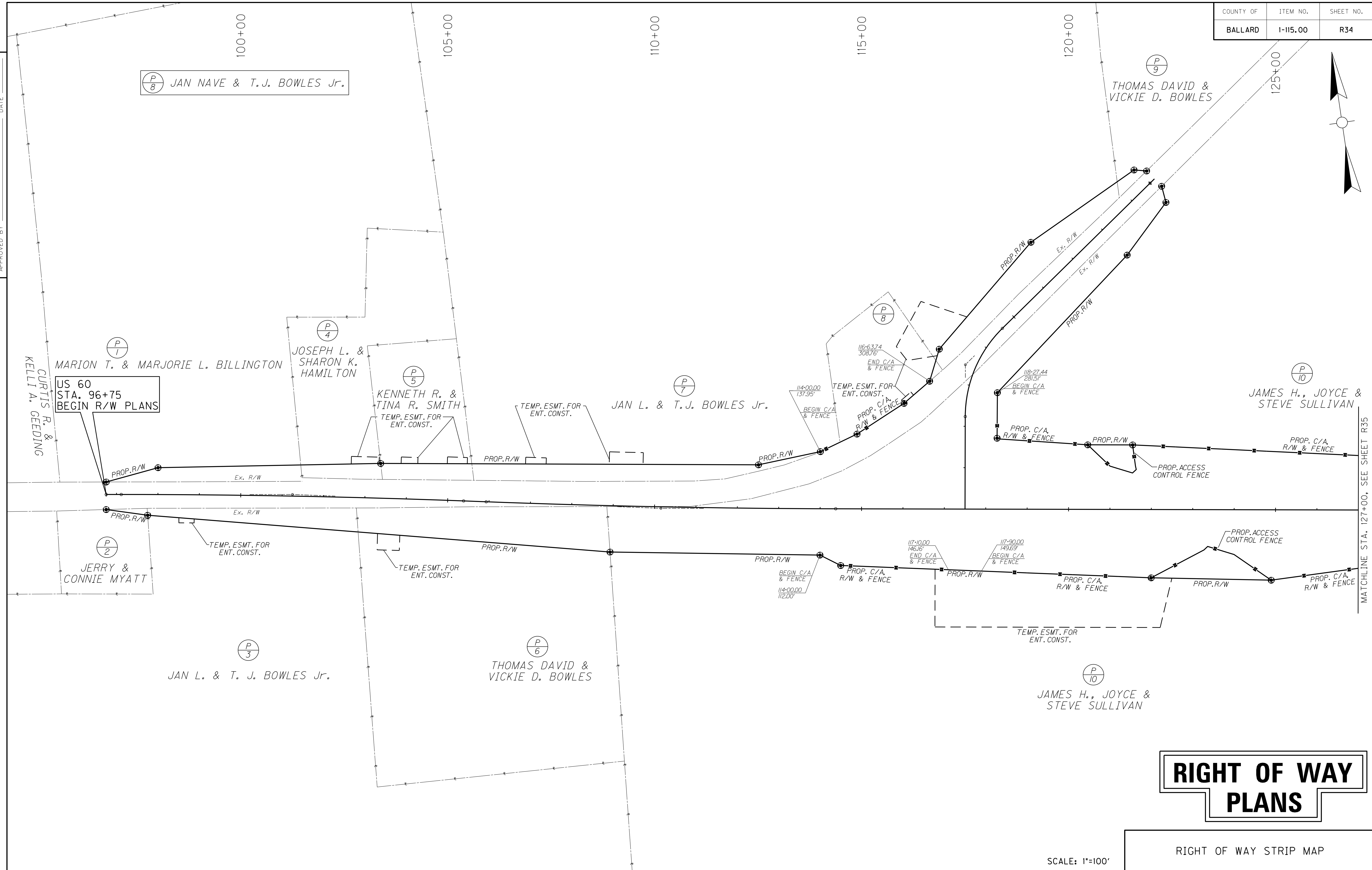
⑤ P.D. - PLAT DRAWER NUMBER  
 C. - CARD NUMBER

**RIGHT OF WAY  
PLANS**

USER: \$\$\$USER\$\$\$  
 DATE: \$\$\$DATE\$\$\$  
 FILE NAME: \$\$\$designsfiles\$specifications\$\$\$  
 E-SHEET NAME:



PREPARED BY AMERICAN ENGINEERS, INC. DATE 3-28-08  
 CHECKED BY AMERICAN ENGINEERS, INC. DATE 3-28-08  
 APPROVED BY \_\_\_\_\_ DATE \_\_\_\_\_



# RIGHT OF WAY PLANS

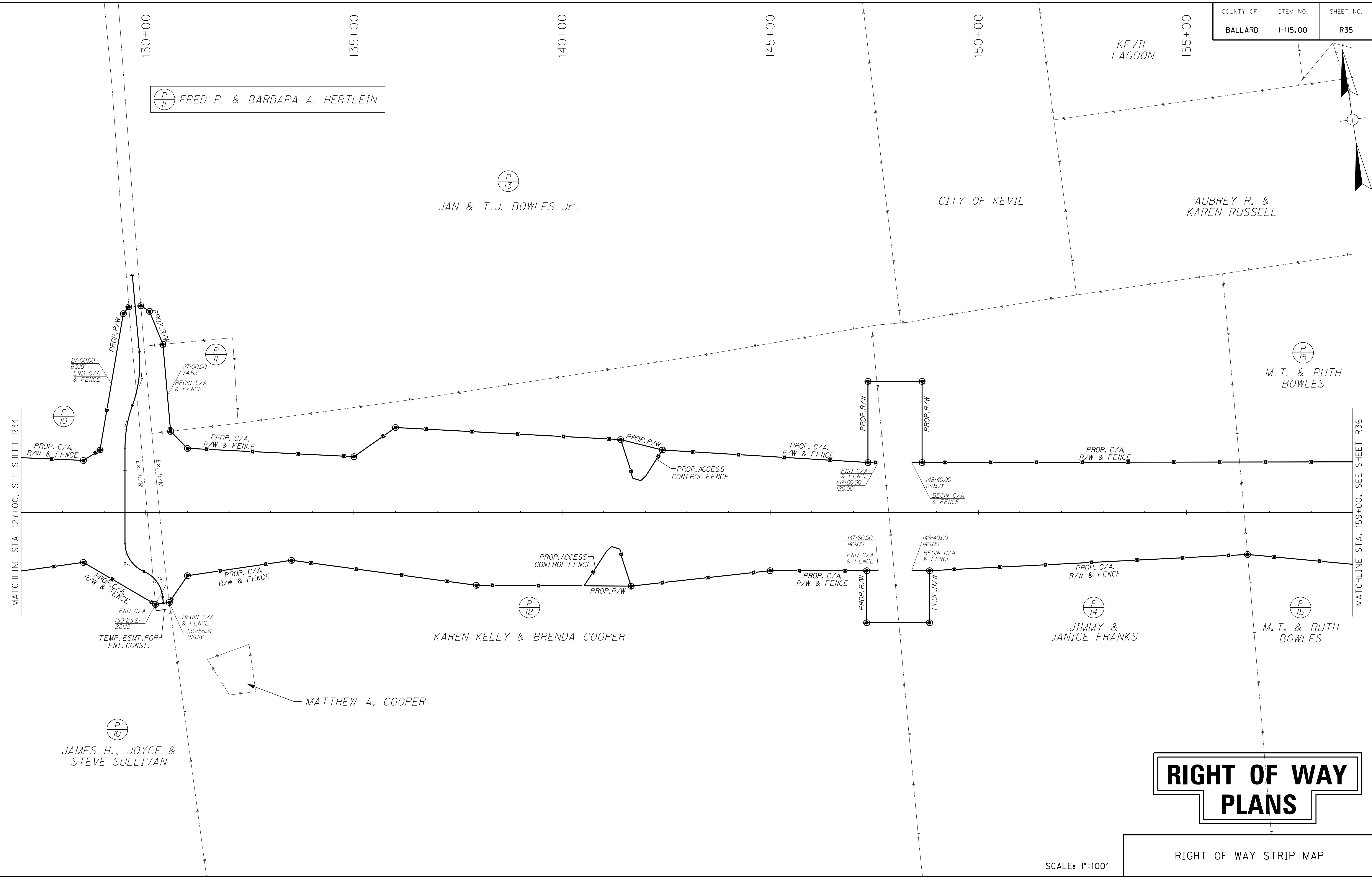
RIGHT OF WAY STRIP MAP

SCALE: 1"=100'

USER: \$\$\$USER\$\$\$  
 DATE: \$\$\$DATE\$\$\$  
 FILE NAME: \$\$\$designsfiles\$specifications\$\$\$  
 E-SHEET NAME:

COUNTY OF	ITEM NO.	SHEET NO.
BALLARD	I-115.00	R35

PREPARED BY AMERICAN ENGINEERS, INC. DATE 3-28-08  
 CHECKED BY AMERICAN ENGINEERS, INC. DATE 3-28-08  
 APPROVED BY \_\_\_\_\_ DATE \_\_\_\_\_



MATCHLINE STA. 127+00, SEE SHEET R34

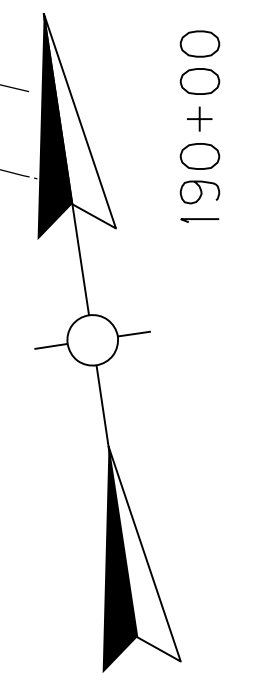
MATCHLINE STA. 159+00, SEE SHEET R36

# RIGHT OF WAY PLANS

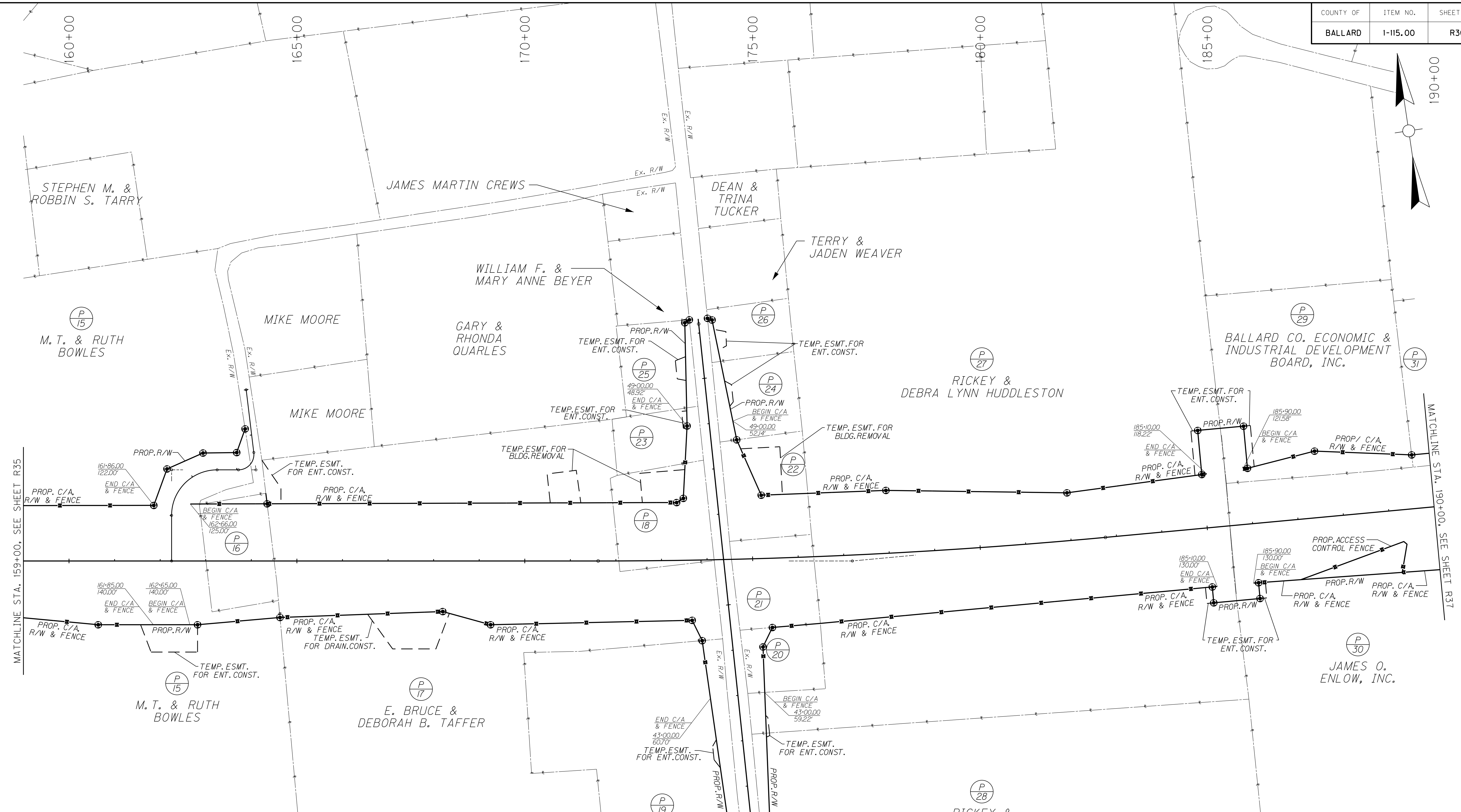
RIGHT OF WAY STRIP MAP

SCALE: 1"=100'

USER: \$\$\$USER\$\$\$  
 DATE: \$\$\$DATE\$\$\$  
 FILE NAME: \$\$\$designsfilespecifications\$\$\$  
 E-SHEET NAME:



PREPARED BY AMERICAN ENGINEERS, INC. DATE 3-28-08  
 CHECKED BY AMERICAN ENGINEERS, INC. DATE 3-28-08  
 APPROVED BY \_\_\_\_\_ DATE \_\_\_\_\_



P 16	WARREN BYAS ET. AL.	P 23	DEBORAH FEIGEL RICHARDS
P 18	JACQUES & CHRISTIANE WARLIER	P 24	NORMA FREEMAN
P 20	VIRGIL E. & LAWANDA M. HOLMAN	P 25	RON & ELIZABETH BLANKENSHIP
P 21	JOSEPH SHANE DONELSON	P 26	JEFFREY LIND & SUEZEE JENKINS
P 22	RAYMOND J. & SANDRA J. GILBERT	P 31	BALLARD CO. ECONOMIC & INDUSTRIAL DEVELOPMENT BOARD, INC.

# RIGHT OF WAY PLANS

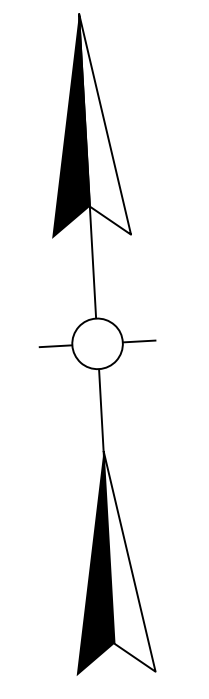
RIGHT OF WAY STRIP MAP

SCALE: 1"=100'

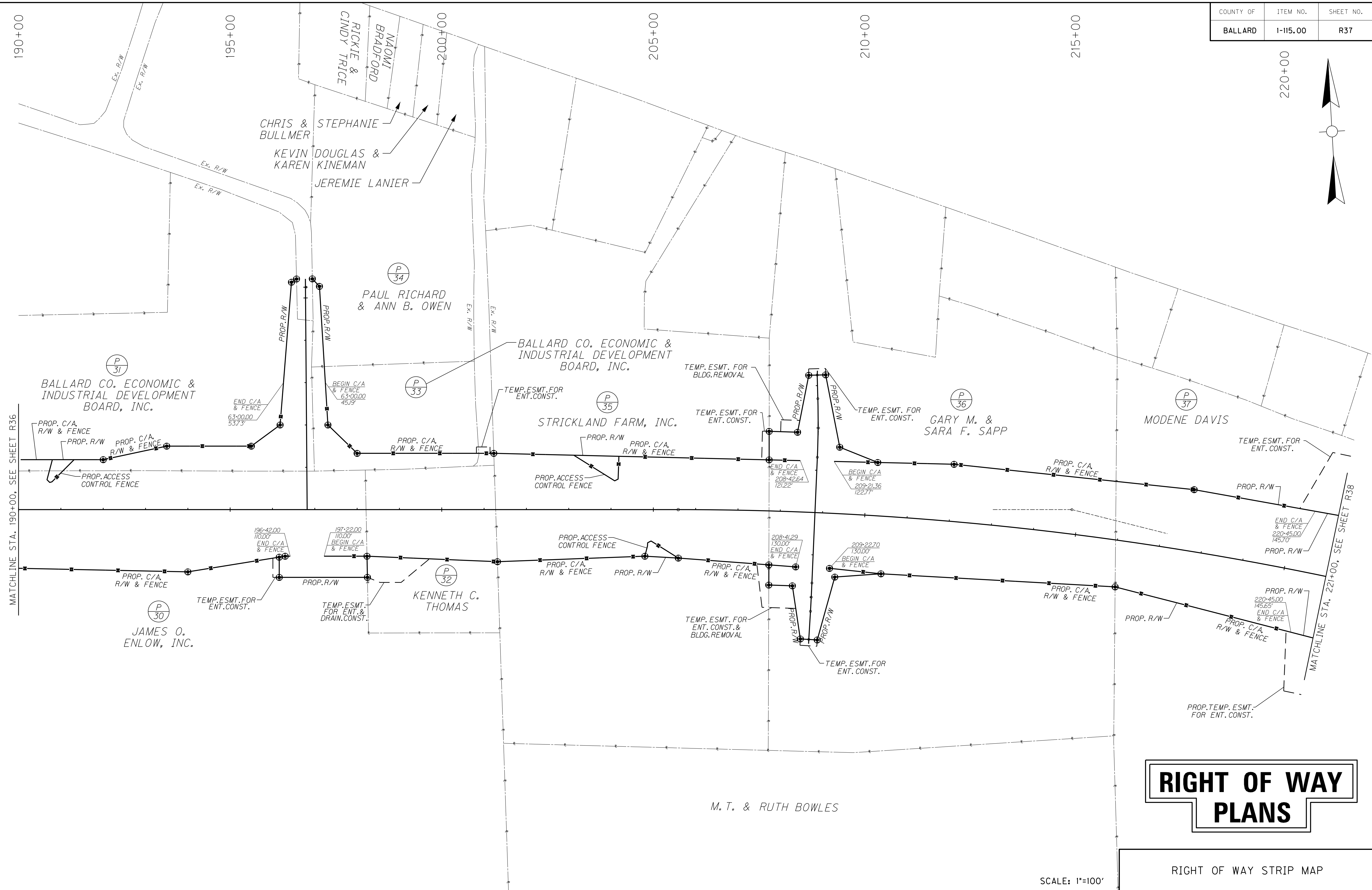
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 FILE NAME: \$\$\$designsfiles\$\$\$specifications\$\$\$  
 E-SHEET NAME:

COUNTY OF	ITEM NO.	SHEET NO.
BALLARD	I-115.00	R37

220+00



PREPARED BY AMERICAN ENGINEERS, INC. DATE 3-28-08  
 CHECKED BY AMERICAN ENGINEERS, INC. DATE 3-28-08  
 APPROVED BY \_\_\_\_\_ DATE \_\_\_\_\_



USER: \$\$\$USER\$\$\$  
 DATE: \$\$\$DATE\$\$\$  
 FILE NAME: \$\$\$designsfiles\$\$\$specifications\$\$\$  
 E-SHEET NAME:

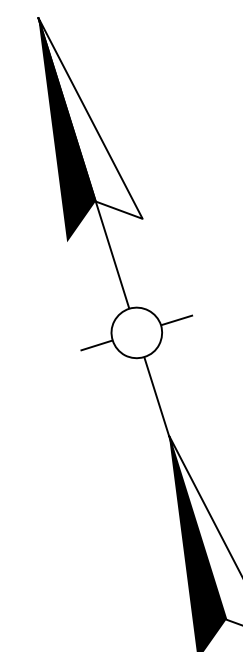
# RIGHT OF WAY PLANS

RIGHT OF WAY STRIP MAP

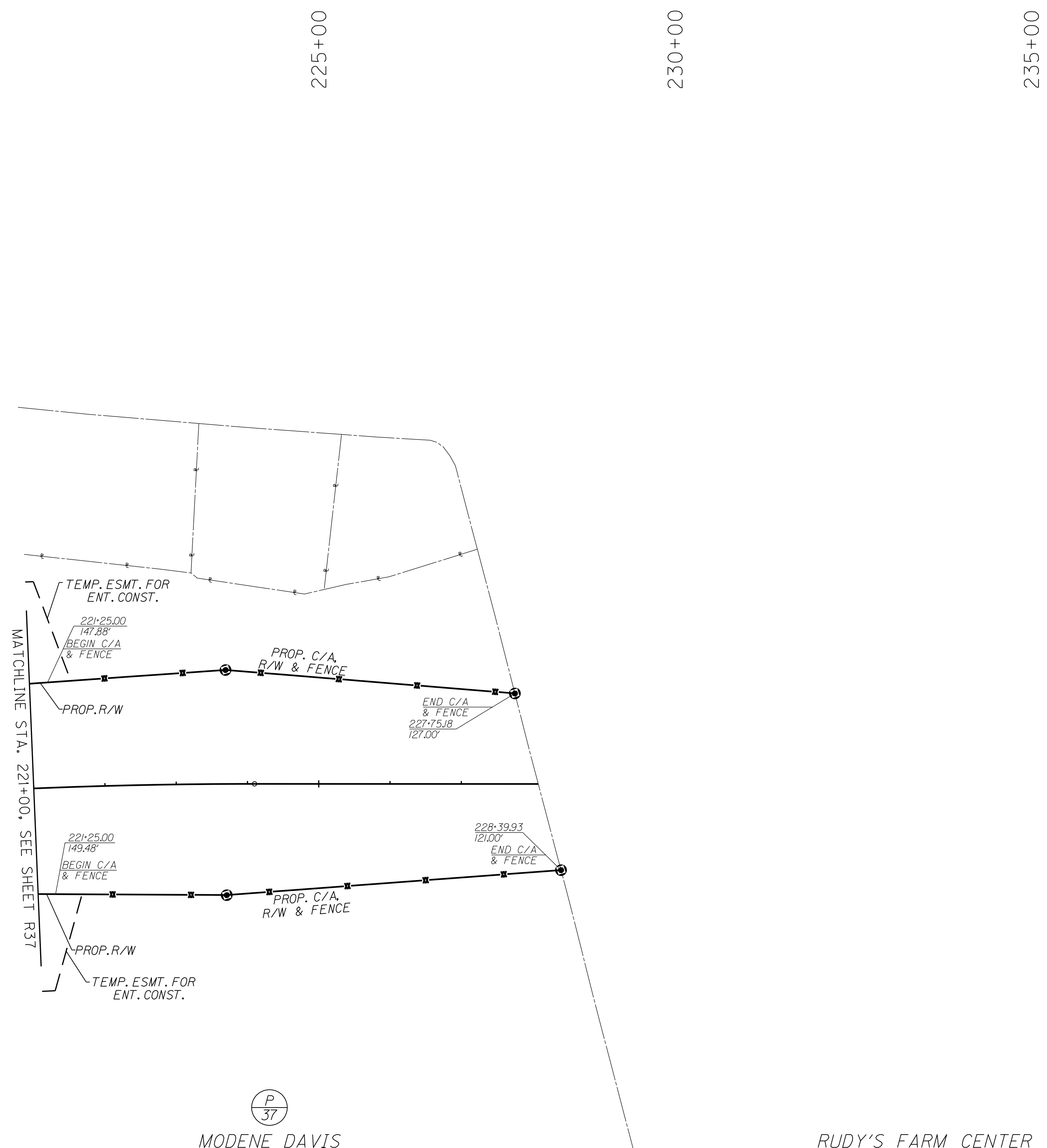
SCALE: 1"=100'



COUNTY OF	ITEM NO.	SHEET NO.
BALLARD	1-115.00	R38



PREPARED BY AMERICAN ENGINEERS, INC. DATE 3-28-08  
 CHECKED BY AMERICAN ENGINEERS, INC. DATE 3-28-08  
 APPROVED BY \_\_\_\_\_ DATE \_\_\_\_\_



P  
37

MODENE DAVIS

RUDY'S FARM CENTER

USER: \$\$\$USER\$\$\$  
 DATE: \$\$\$DATE\$\$\$  
 FILE NAME: \$\$\$designsfiles\$specifications\$\$\$  
 E-SHEET NAME:

# RIGHT OF WAY PLANS

RIGHT OF WAY STRIP MAP

SCALE: 1"=100'

PREPARED BY AMERICAN ENGINEERS, INC. DATE 3-28-08  
 CHECKED BY AMERICAN ENGINEERS, INC. DATE 3-28-08  
 APPROVED BY \_\_\_\_\_ DATE \_\_\_\_\_

POINT	DESCRIPTION	PROJECT COORDINATES			STATION AND OFFSET
		NORTH (Y)	EAST (X)	ELEV. (Z)	
1	US 60 MAINLINE	1927479.7696	717875.8578		P.O.B. 96 + 75.00
2	US 60 MAINLINE	1927474.4491	717911.8814		P.C. 97 + 11.41
3	US 60 MAINLINE	1927414.0170	718321.0483		P.I. 101 + 25.02
4	US 60 MAINLINE	1927338.2841	718727.6546		P.T. 105 + 38.53
5	US 60 MAINLINE	1927328.2325	718781.4025		P.C. 105 + 93.20
6	US 60 MAINLINE	1927250.8822	719196.4952		P.I. 110 + 15.44
7	US 60 MAINLINE	1927188.1810	719614.0519		P.T. 114 + 37.59
P6	IRON PIN W/CAP	1927275.73	719017.01	429.48	108 + 34.09, 33.53' Right

**ORIGIN OF LEVELS**  
 Elevations were obtained from GPS methods and was adjusted to the NAVD88 Datum. Geoid model used was Geoid99. For complete list of station designations see sheet R45.

P.I. STA. 113+48.76  
 $\Delta = 43^{\circ}53'43''$  RT.  
 T = 120.89  
 L = 229.83  
 R = 300.00  
 E = 23.44  
 C = 2.00%  
 Runoff = 39'  
 Runout = 20'

PI STA. 101+25.02  
 $\Delta = 2^{\circ}09'15''$  LT.  
 T = 413.61  
 L = 827.11  
 R = 22000  
 E = 3.89  
 C = N.C.  
 Runoff =  
 Runout =

P.I. STA. 110+00.00  
 $\Delta = 2^{\circ}03'12''$  RT.  
 T = 448.01  
 L = 895.92  
 R = 25000  
 E = 4.01  
 C = 2.00%  
 Runoff = N/A  
 Runout = N/A

P.I. STA. 120+00.47  
 $\Delta = 1^{\circ}54'54''$  LT.  
 T = 417.83  
 L = 835.59  
 R = 25000  
 E = 5.49  
 C = 2.00%  
 Runoff = N/A  
 Runout = N/A

POINT	DESCRIPTION	PROJECT COORDINATES			STATION AND OFFSET
		NORTH (Y)	EAST (X)	ELEV. (Z)	
15	US 60 CONN	1927141.7891	719922.9968		P.O.B. 10 + 00.00
16	US 60 CONN	1927362.7944	719956.1834		P.C. 12 + 23.48
17	US 60 CONN	1927486.7207	719974.7924		P.I. 13 + 48.80
18	US 60 CONN	1927560.5876	720076.0235		P.T. 14 + 60.90
19	US 60 CONN	1927864.2137	720492.1289		P.O.E. 19 + 76.00
P7	IRON PIN W/CAP	1927431.74	719853.65	419.47	12 + 54.13, 120.03' Left
P9	IRON PIN W/CAP	1928079.61	720740.66	424.67	

**RIGHT OF WAY PLANS**

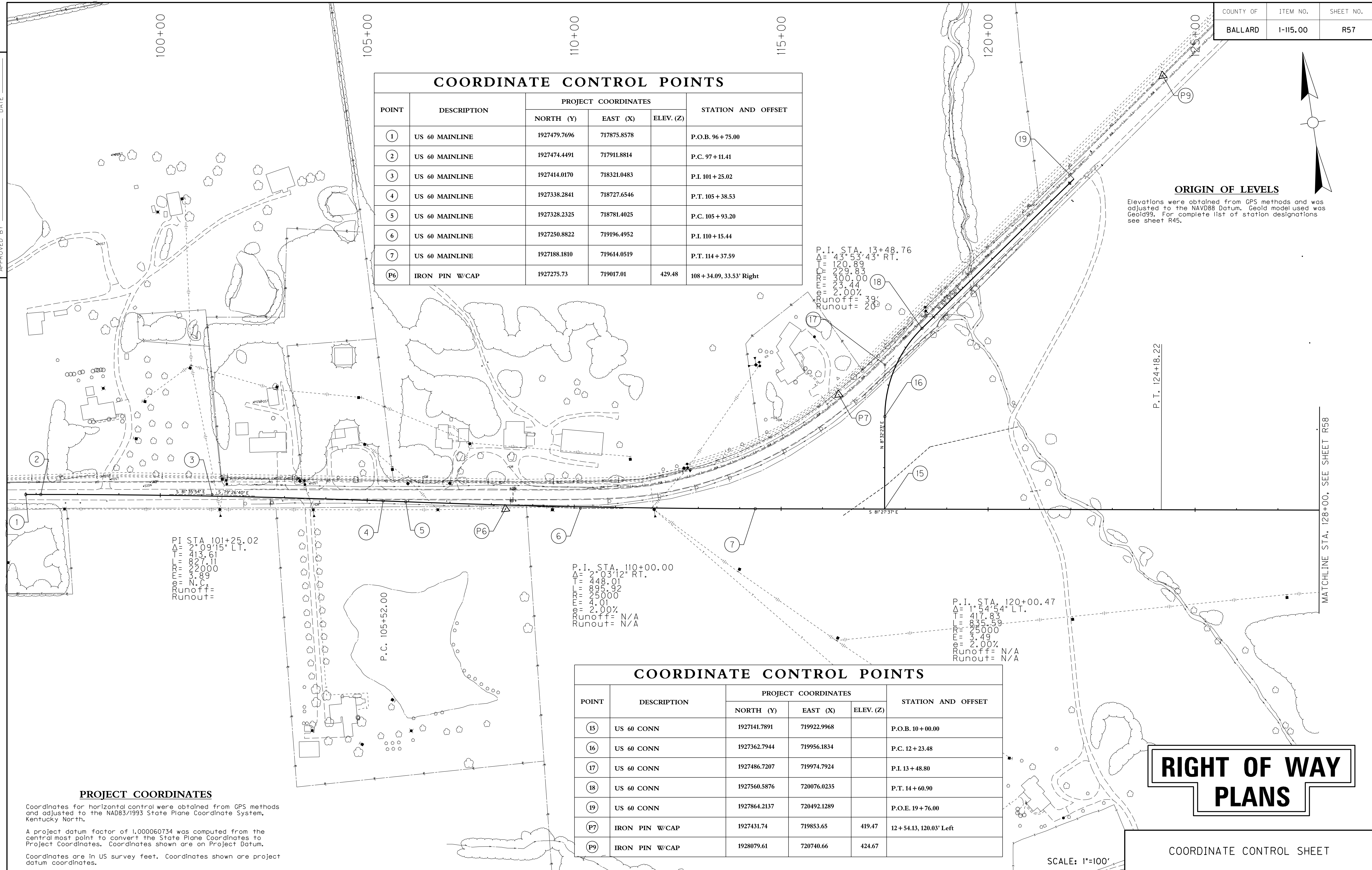
SCALE: 1"=100'

COORDINATE CONTROL SHEET

USER: \$\$\$USER\$\$\$  
 DATE: \$\$\$DATE\$\$\$  
 FILE NAME: \$\$\$designsfiles\$\$\$  
 E-SHEET NAME:

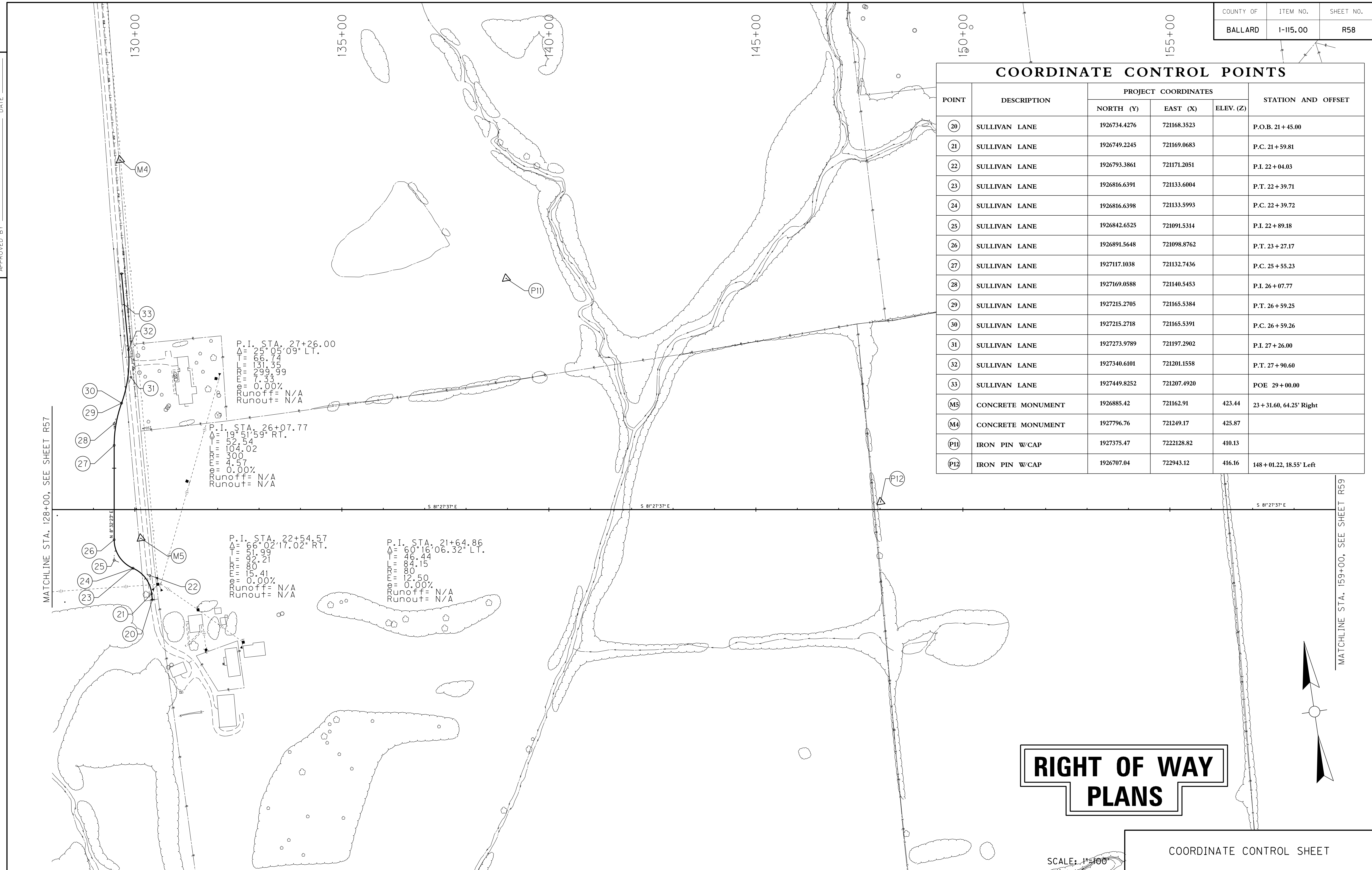
**PROJECT COORDINATES**

Coordinates for horizontal control were obtained from GPS methods and adjusted to the NAD83/1993 State Plane Coordinate System, Kentucky North.  
 A project datum factor of 1.000060734 was computed from the centralmost point to convert the State Plane Coordinates to Project Coordinates. Coordinates shown are on Project Datum.  
 Coordinates are in US survey feet. Coordinates shown are project datum coordinates.



PREPARED BY AMERICAN ENGINEERS, INC. DATE 3-28-08  
 CHECKED BY AMERICAN ENGINEERS, INC. DATE 3-28-08  
 APPROVED BY \_\_\_\_\_ DATE \_\_\_\_\_

POINT	DESCRIPTION	PROJECT COORDINATES			STATION AND OFFSET
		NORTH (Y)	EAST (X)	ELEV. (Z)	
20	SULLIVAN LANE	1926734.4276	721168.3523		P.O.B. 21+45.00
21	SULLIVAN LANE	1926749.2245	721169.0683		P.C. 21+59.81
22	SULLIVAN LANE	1926793.3861	721171.2051		P.I. 22+04.03
23	SULLIVAN LANE	1926816.6391	721133.6004		P.T. 22+39.71
24	SULLIVAN LANE	1926816.6398	721133.5993		P.C. 22+39.72
25	SULLIVAN LANE	1926842.6525	721091.5314		P.I. 22+89.18
26	SULLIVAN LANE	1926891.5648	721098.8762		P.T. 23+27.17
27	SULLIVAN LANE	1927117.1038	721132.7436		P.C. 25+55.23
28	SULLIVAN LANE	1927169.0588	721140.5453		P.I. 26+07.77
29	SULLIVAN LANE	1927215.2705	721165.5384		P.T. 26+59.25
30	SULLIVAN LANE	1927215.2718	721165.5391		P.C. 26+59.26
31	SULLIVAN LANE	1927273.9789	721197.2902		P.I. 27+26.00
32	SULLIVAN LANE	1927340.6101	721201.1558		P.T. 27+90.60
33	SULLIVAN LANE	1927449.8252	721207.4920		POE 29+00.00
M5	CONCRETE MONUMENT	1926885.42	721162.91	423.44	23+31.60, 64.25' Right
M4	CONCRETE MONUMENT	1927796.76	721249.17	425.87	
P11	IRON PIN W/CAP	1927375.47	7222128.82	410.13	
P12	IRON PIN W/CAP	1926707.04	722943.12	416.16	148+01.22, 18.55' Left



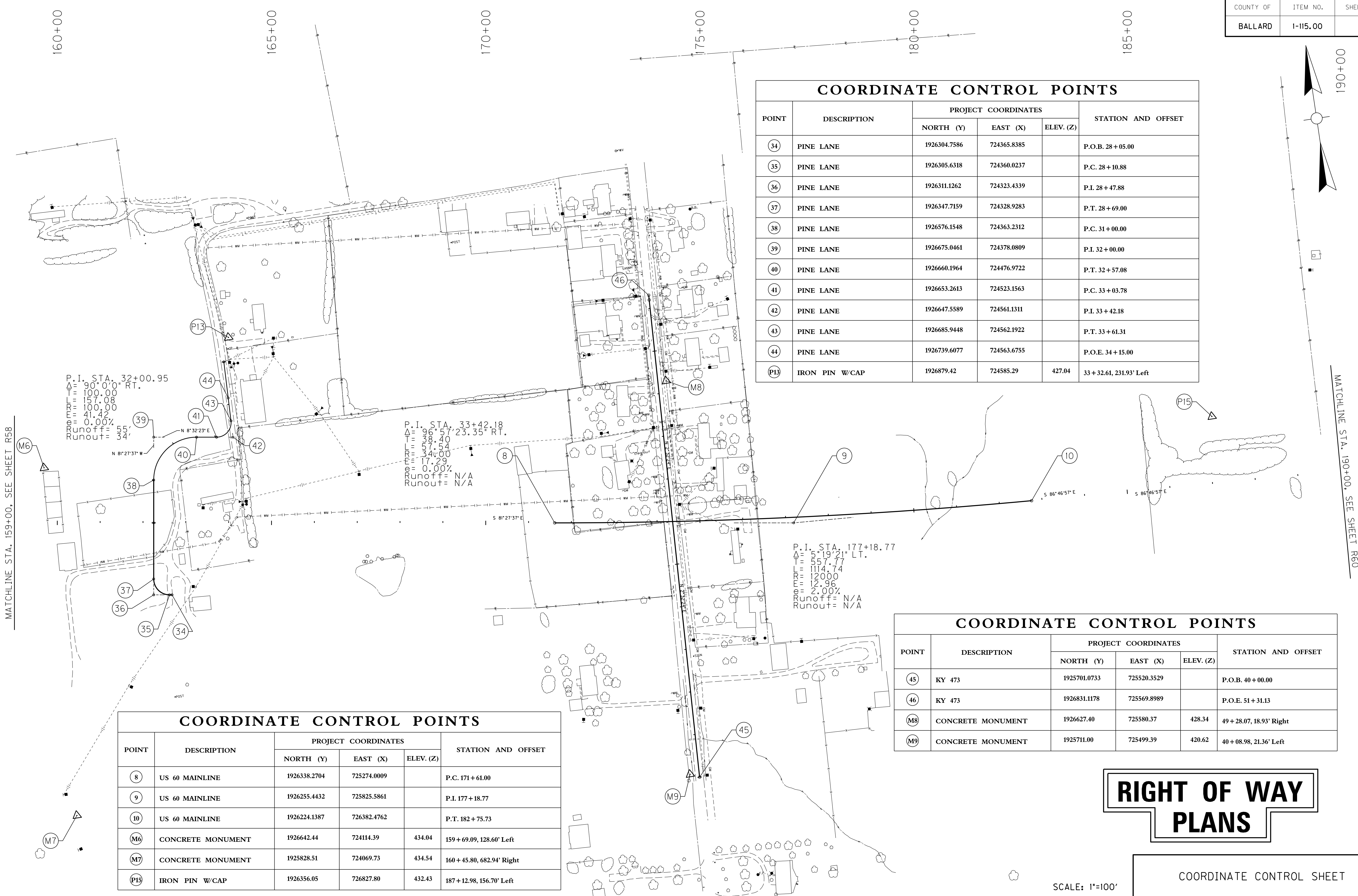
# RIGHT OF WAY PLANS

SCALE: 1"=100'

COORDINATE CONTROL SHEET

USER: \$\$\$USER\$\$\$  
 DATE: \$\$\$DATE\$\$\$  
 FILE NAME: \$\$\$designsfiles\$\$\$specifications\$\$\$  
 E-SHEET NAME:

PREPARED BY AMERICAN ENGINEERS, INC. DATE 3-28-08  
 CHECKED BY AMERICAN ENGINEERS, INC. DATE 3-28-08  
 APPROVED BY \_\_\_\_\_ DATE \_\_\_\_\_



P.I. STA. 32+00.95  
 $\Delta = 90^{\circ} 0' 0''$  RT.  
 T = 100.00  
 L = 157.08  
 E = 100.00  
 R = 41.42  
 Runoff = 0.00%  
 Runout = 55'  
 34'

P.I. STA. 33+42.18  
 $\Delta = 90^{\circ} 57' 23.35''$  RT.  
 T = 100.00  
 L = 17.29  
 E = 17.29  
 R = 17.29  
 Runoff = N/A  
 Runout = N/A

P.I. STA. 177+18.77  
 $\Delta = 5^{\circ} 19' 21''$  LT.  
 T = 557.77  
 L = 1114.74  
 E = 12000  
 R = 12.96  
 Runoff = 2.00%  
 Runout = N/A

COORDINATE CONTROL POINTS					
POINT	DESCRIPTION	PROJECT COORDINATES			STATION AND OFFSET
		NORTH (Y)	EAST (X)	ELEV. (Z)	
8	US 60 MAINLINE	192638.2704	725274.0009		P.C. 171 + 61.00
9	US 60 MAINLINE	192625.4432	725825.5861		P.I. 177 + 18.77
10	US 60 MAINLINE	1926224.1387	726382.4762		P.T. 182 + 75.73
M6	CONCRETE MONUMENT	1926642.44	724114.39	434.04	159 + 69.09, 128.60' Left
M7	CONCRETE MONUMENT	1925828.51	724069.73	434.54	160 + 45.80, 682.94' Right
P15	IRON PIN W/CAP	1926356.05	726827.80	432.43	187 + 12.98, 156.70' Left

COORDINATE CONTROL POINTS					
POINT	DESCRIPTION	PROJECT COORDINATES			STATION AND OFFSET
		NORTH (Y)	EAST (X)	ELEV. (Z)	
34	PINE LANE	1926304.7586	724365.8385		P.O.B. 28 + 05.00
35	PINE LANE	1926305.6318	724360.0237		P.C. 28 + 10.88
36	PINE LANE	1926311.1262	724323.4339		P.I. 28 + 47.88
37	PINE LANE	1926347.7159	724328.9283		P.T. 28 + 69.00
38	PINE LANE	1926576.1548	724363.2312		P.C. 31 + 00.00
39	PINE LANE	1926675.0461	724378.0809		P.I. 32 + 00.00
40	PINE LANE	1926660.1964	724476.9722		P.T. 32 + 57.08
41	PINE LANE	1926653.2613	724523.1563		P.C. 33 + 03.78
42	PINE LANE	1926647.5589	724561.1311		P.I. 33 + 42.18
43	PINE LANE	1926685.9448	724562.1922		P.T. 33 + 61.31
44	PINE LANE	1926739.6077	724563.6755		P.O.E. 34 + 15.00
P13	IRON PIN W/CAP	1926879.42	724585.29	427.04	33 + 32.61, 231.93' Left

COORDINATE CONTROL POINTS					
POINT	DESCRIPTION	PROJECT COORDINATES			STATION AND OFFSET
		NORTH (Y)	EAST (X)	ELEV. (Z)	
45	KY 473	1925701.0733	725520.3529		P.O.B. 40 + 00.00
46	KY 473	1926831.1178	725569.8989		P.O.E. 51 + 31.13
M8	CONCRETE MONUMENT	1926627.40	725580.37	428.34	49 + 28.07, 18.93' Right
M9	CONCRETE MONUMENT	1925711.00	725499.39	420.62	40 + 08.98, 21.36' Left

**RIGHT OF WAY  
PLANS**

COORDINATE CONTROL SHEET

SCALE: 1"=100'

USER: \$\$\$USER\$\$\$  
 DATE: \$\$\$DATE\$\$\$  
 FILE NAME: \$\$\$designsfiles\$\$\$specifications\$\$\$  
 E-SHEET NAME:

PREPARED BY AMERICAN ENGINEERS, INC. DATE 3-28-08  
 CHECKED BY AMERICAN ENGINEERS, INC. DATE 3-28-08  
 APPROVED BY \_\_\_\_\_ DATE \_\_\_\_\_

220+00

**COORDINATE CONTROL POINTS**

POINT	DESCRIPTION	PROJECT COORDINATES			STATION AND OFFSET
		NORTH (Y)	EAST (X)	ELEV. (Z)	
49	AMY LYNN ROAD	1925772.5707	728952.7551		P.O.B. 72+00.00
50	AMY LYNN ROAD	1925838.6490	728960.4537		P.C. 72+66.53
51	AMY LYNN ROAD	1925871.9019	728964.3279		P.I. 73+00.00
52	AMY LYNN ROAD	1925905.2150	728967.6450		P.T. 73+33.48
53	AMY LYNN ROAD	1926201.0179	728997.0990		P.C. 76+30.75
54	AMY LYNN ROAD	1926269.9335	729003.9612		P.I. 77+00.00
55	AMY LYNN ROAD	1926339.1588	729006.0397		P.T. 77+69.20
56	AMY LYNN ROAD	1926394.9346	729007.7145		P.O.E. 78+25.00
M11	CONCRETE MONUMENT	1925816.31	728968.94	427.73	72+44.86, 12.22' Right

**COORDINATE CONTROL POINTS**

POINT	DESCRIPTION	PROJECT COORDINATES			STATION AND OFFSET
		NORTH (Y)	EAST (X)	ELEV. (Z)	
47	INDUSTRIAL ROAD	1926145.2174	727786.4455		P.O.B. 60+00.00
48	INDUSTRIAL ROAD	1926689.5718	727812.9634		P.O.E. 65+45.00

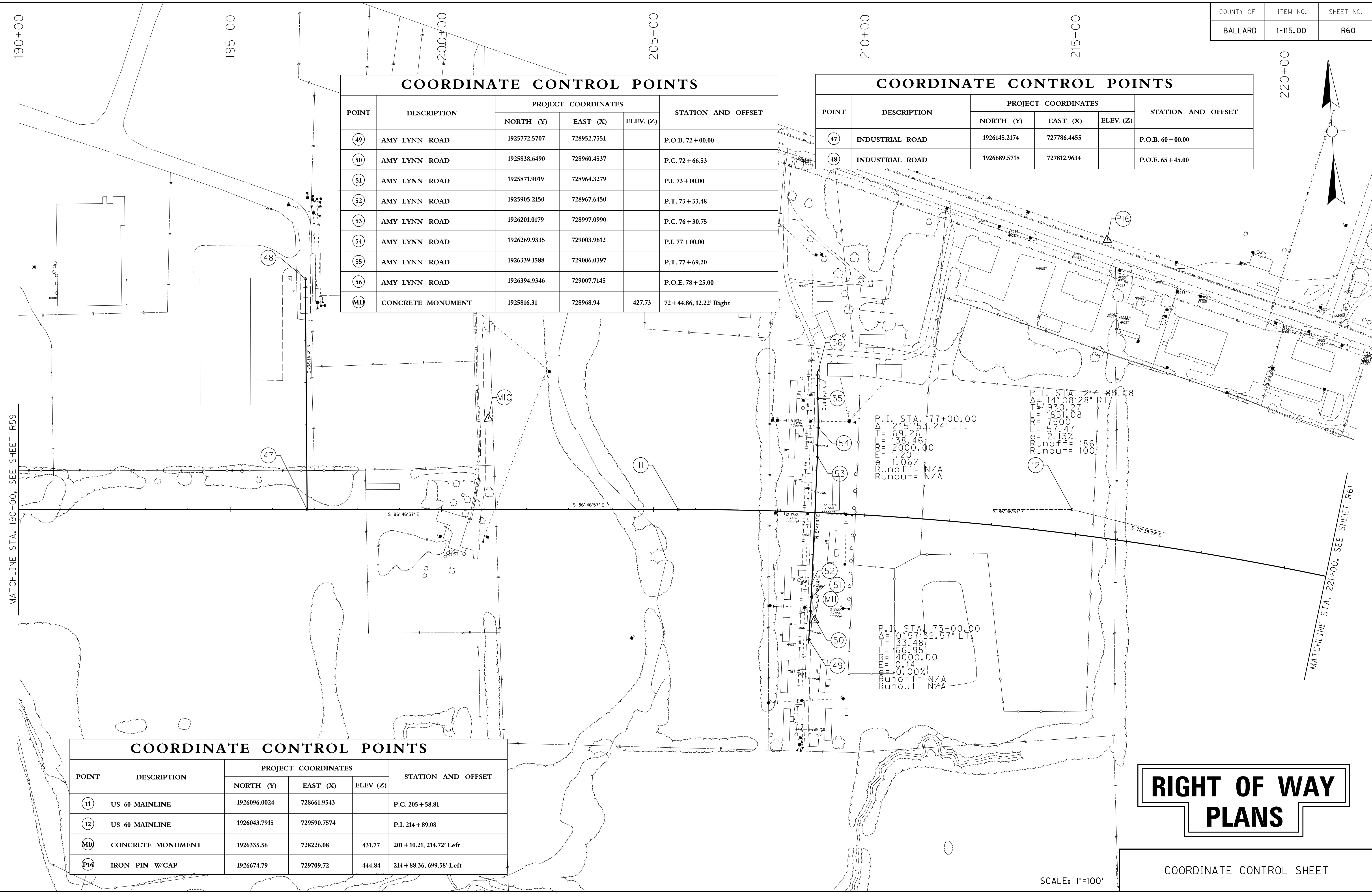
**COORDINATE CONTROL POINTS**

POINT	DESCRIPTION	PROJECT COORDINATES			STATION AND OFFSET
		NORTH (Y)	EAST (X)	ELEV. (Z)	
11	US 60 MAINLINE	1926096.0024	728661.9543		P.C. 205+58.81
12	US 60 MAINLINE	1926043.7915	729590.7574		P.I. 214+89.08
M10	CONCRETE MONUMENT	1926335.56	728226.08	431.77	201+10.21, 214.72' Left
P16	IRON PIN W/CAP	1926674.79	729709.72	444.84	214+88.36, 699.58' Left

**RIGHT OF WAY  
PLANS**

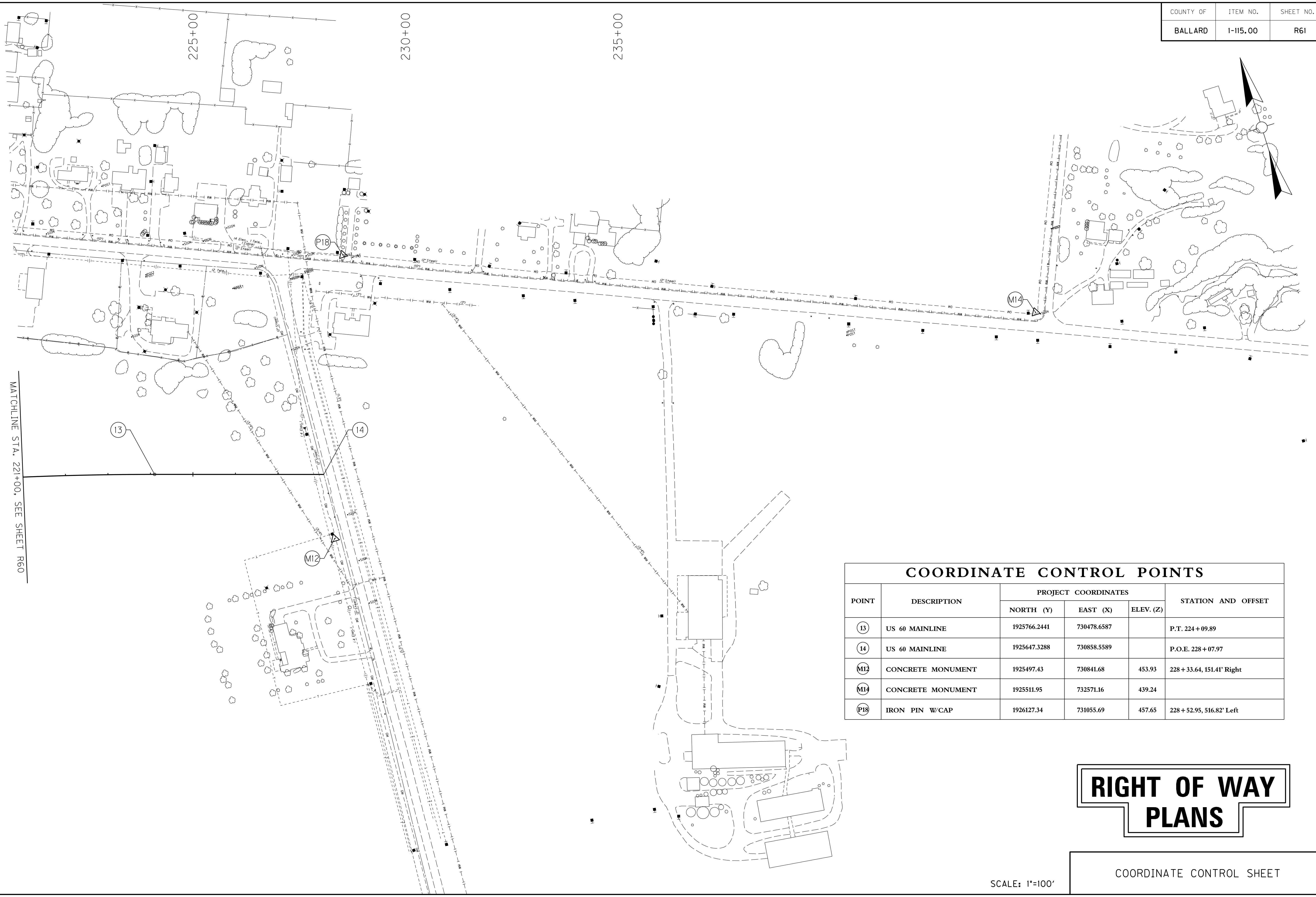
COORDINATE CONTROL SHEET

SCALE: 1"=100'



USER: \$\$\$USER\$\$\$  
 DATE: \$\$\$DATE\$\$\$  
 FILE NAME: \$\$\$designsfiles\$\$\$specifications\$\$\$  
 E-SHEET NAME:

PREPARED BY AMERICAN ENGINEERS, INC. DATE 3-28-08  
 CHECKED BY AMERICAN ENGINEERS, INC. DATE 3-28-08  
 APPROVED BY \_\_\_\_\_ DATE \_\_\_\_\_



MATCHLINE STA. 221+00, SEE SHEET R60

COORDINATE CONTROL POINTS					
POINT	DESCRIPTION	PROJECT COORDINATES			STATION AND OFFSET
		NORTH (Y)	EAST (X)	ELEV. (Z)	
13	US 60 MAINLINE	1925766.2441	730478.6587		P.T. 224 + 09.89
14	US 60 MAINLINE	1925647.3288	730858.5589		P.O.E. 228 + 07.97
M12	CONCRETE MONUMENT	1925497.43	730841.68	453.93	228 + 33.64, 151.41' Right
M14	CONCRETE MONUMENT	1925511.95	732571.16	439.24	
P18	IRON PIN W/CAP	1926127.34	731055.69	457.65	228 + 52.95, 516.82' Left

# RIGHT OF WAY PLANS

COORDINATE CONTROL SHEET

SCALE: 1"=100'

USER: \$\$\$USER\$\$\$\$  
 DATE: \$\$\$DATE\$\$\$\$  
 FILE NAME: \$\$\$designsfiles\$specifications\$\$\$  
 E-SHEET NAME:

**ORIGIN OF LEVELS**

Elevations were obtained from GPS methods and was adjusted to the NAVD88 Datum. Geoid model used was Geoid99.

COUNTY OF	ITEM NO.	SHEET NO.
BALLARD	I-115.00	R62

PREPARED BY AMERICAN ENGINEERS, INC. DATE 3-28-08  
 CHECKED BY AMERICAN ENGINEERS, INC. DATE 3-28-08  
 APPROVED BY DATE

- Station Designation M2  
M2 is located west of the town of Kevill and is east of the intersection of US 60 and Stafford Road. From the westerly intersection of KY 473 and US 60 in Kevill, go west on US 60 for +/-1.37 mi. to the intersection of US 60 and Stafford Road and is southwest of a large red barn. The mark is a 10' diameter, 36" deep concrete monument with a 5/8" diameter, 30" long steel rebar embedded within and a 3 1/2" aluminum disk embedded in the top. The mark is set 0.20' below grade.
- Station Designation M3  
M3 is located west of the town of Kevill and is +/-0.56 mi. east of the intersection of US 60 and Stafford Road. From the westerly intersection of KY 473 and US 60 in Kevill, go west on US 60 for +/-1.67 mi. to the station on the right. The station is southeast of house #7746 and is near the southwest corner of a corn field. The mark is a 10' diameter, 36" deep concrete monument with a 5/8" diameter, 30" long steel rebar embedded within and a 3 1/2" aluminum disk embedded in the top. The mark is set 0.15' below grade.
- Station Designation M4  
M4 is located southwest of the town of Kevill and is just south of the intersection of US 60 and H. Sullivan Lane. From the westerly intersection of KY 473 and US 60 in Kevill, go west on US 60 for +/-0.90 mi. to H. Sullivan Lane on the left. Turn left and go south for +/-0.11 mi. to the station on the left. The station is north of house #210. The mark is a 10' diameter, 36" deep concrete monument with a 5/8" diameter, 30" long steel rebar embedded within and a 3 1/2" aluminum disk embedded in the top. The mark is set 0.20' below grade.
- Station Designation M5  
M5 is located southwest of the town of Kevill and is just south of the intersection of US 60 and H. Sullivan Lane. From the westerly intersection of KY 473 and US 60 in Kevill, go west on US 60 for +/-0.90 mi. to H. Sullivan Lane on the left. Turn left and go south for +/-0.28 mi. to the station on the right. The station is southwest of and across the lane from house #210. The mark is a 10' diameter, 36" deep concrete monument with a 5/8" diameter, 30" long steel rebar embedded within and a 3 1/2" aluminum disk embedded in the top. The mark is set 0.10' below grade.
- Station Designation M6  
M6 is located southwest of the town of Kevill and is north of the northwest corner of a paddock at a horse training track. From the westerly intersection of KY 473 and US 60 in Kevill, go south on KY 473 for +/-0.23 mi. to Pine Lane on the right. Turn right and go +/-0.19 mi. west, +/-0.1 mi. south and then +/-0.1 mi. west to a gray metal barn. Go north along the west side of the barn for +/-0.05 mi. to the station on the right. The mark is a 10' diameter, 36" deep concrete monument with a 5/8" diameter, 30" long steel rebar embedded within and a 3 1/2" aluminum disk embedded in the top. The mark is set 0.15' below grade.
- Station Designation M7  
M7 is located southwest of the town of Kevill and is on the west side of a horse training track. From the westerly intersection of KY 473 and US 60 in Kevill, go south on KY 473 +/-0.23 mi. to Pine Lane on the right. Turn right and go +/-0.19 mi. west, +/-0.1 mi. south and then west +/-0.1 mi. to a gray metal barn. Turn left and go south along the outside of the track +/-0.1 mi. to the station. The mark is a 10' diameter, 36" deep concrete monument with a 5/8" diameter, 30" long steel rebar embedded within and a 3 1/2" aluminum disk embedded in the top. The mark is set 0.15' below grade.
- Station Designation M8  
M8 is located south of the town of Kevill, south of the gravel drive for house #7266, and is on the east side of KY 473. From the westerly intersection of KY 473 and US 60 in Kevill, go south on KY 473 for +/-0.31 mi. to the station on the left. The station is northeast of and across the road from house #7247. The mark is a 10' diameter, 36" deep concrete monument with a 5/8" diameter, 30" long steel rebar embedded within and a 3 1/2" aluminum disk embedded in the top. The mark is set 0.15' below grade.
- Station Designation M9  
M9 is located south of the town of Kevill and is just north of the northeast corner of a pasture on the west side of KY 473. From the westerly intersection of KY 473 and US 60 in Kevill, go south on KY 473 for +/-0.48 mi. to the station on the right. The station is in the southeast corner of a small grass field. The mark is a 10' diameter, 36" deep concrete monument with a 5/8" diameter, 30" long steel rebar embedded within and a 3 1/2" aluminum disk embedded in the top. The mark is set 0.10' below grade.
- Station Designation M10  
M10 is located southeast of the town of Kevill and is on the east side of a gravel drive southeast of Klein Tools. From the easterly intersection of KY 473 and US 60 in Kevill, go southeast on US 60 for +/-0.49 mi. to a gravel drive on the right. Turn right and go south +/-0.17 mi. to the station on the left. The station is northeast of a log home and is just south of a brushline. The mark is a 10' diameter, 36" deep concrete monument with a 5/8" diameter, 30" long steel rebar embedded within and a 3 1/2" aluminum disk embedded in the top. The mark is set 0.15' below grade.
- Station Designation M11  
M11 is located southeast of the town of Kevill and is in the Carousel Mobile Home Park on the east side of Amy Lynn Road. From the easterly intersection of KY 473 and US 60 in Kevill, go southeast on US 60 +/-0.54 mi. to Amy Lynn Road on the right. Turn right and go south +/-0.21 mi. to the station on the left. The station is east of and across the road from mobile home #221. The mark is a 10' diameter, 36" deep concrete monument with a 5/8" diameter, 30" long steel rebar embedded within and a 3 1/2" aluminum disk embedded in the top. The mark is set 0.15' below grade.
- Station Designation M12  
M12 is located southeast of the town of Kevill and is on the west side of County Line Road just north of house #5215. From the easterly intersection of KY 473 and US 60 in Kevill, go southeast on US 60 +/-0.92 mi. to County Line Road on the right. Turn right and go south +/-0.12 mi. to the station on the right. The station is on the east edge of an open field. The mark is a 10' diameter, 36" deep concrete monument with a 5/8" diameter, 30" long steel rebar embedded within and a 3 1/2" aluminum disk embedded in the top. The mark is set 0.10' below grade.
- Station Designation M13  
M13 is located southeast of the town of Kevill, on the west side of County Line Road, and is east of a large barn. From the easterly intersection of KY 473 and US 60 in Kevill, go southeast on US 60 +/-0.92 mi. to County Line Road on the right. Turn right and go south +/-0.37 mi. to the station on the right. The station is north of a gravel drive for a trailer. The mark is a 10' diameter, 36" deep concrete monument with a 5/8" diameter, 30" long steel rebar embedded within and a 3 1/2" aluminum disk embedded in the top. The mark is set 0.15' below grade.
- Station Designation M14  
M14 is located southeast of the town of Kevill in the northwest quadrant of the intersection of US 60 and Bethel Church Road. From the easterly intersection of KY 473 and US 60 in Kevill, go southeast on US 60 +/-1.24 mi. to the station and Bethel Church Road on the left. The station is northeast of and across the road from a flower shop. The mark is a 10' diameter, 36" deep concrete monument with a 5/8" diameter, 30" long steel rebar embedded within and a 3 1/2" aluminum disk embedded in the top. The mark is set 0.21' below grade.
- Station Designation M15  
M15 is located southeast of the town of Kevill and is southeast of the intersection of US 60 and Wren Road. From the easterly intersection of KY 473 and US 60 in Kevill, go southeast on US 60 +/-1.43 mi. to Wren Road on the right. Continue southwest for +/-0.05 mi. to the station on the right. The station is south of and across the road from house #1865. The mark is a 10' diameter, 36" deep concrete monument with a 5/8" diameter, 30" long steel rebar embedded within and a 3 1/2" aluminum disk embedded in the top. The mark is set 0.17' below grade.

- Station Designation P4  
P4 is located west of the town of Kevill and is south of US 60 on the Eagle Rest Plantation. From the westerly intersection of KY 473 and US 60 in Kevill, go west on US 60 for +/-1.87 mi. to the gravel drive for the Eagle Rest Plantation on the left. Turn left and go south for +/-0.15 mi. to the station on the left. The mark is an 18" long, 5/8" diameter steel rebar with a plastic logo cap and is set flush with the ground.
- Station Designation P5  
P5 is located west of the town of Kevill and is north of US 60 near the northwest corner of a farm field. From the westerly intersection of KY 473 and US 60 in Kevill, go west on US 60 for +/-1.62 mi. to drive for house #7846 on the right. Turn right and go north for +/-0.12 mi. and then northwest for +/-0.11 mi. to the station. The station is just south of a fence line. The mark is a hub and tack and is set flush with the ground.
- Station Designation P6  
P6 is located west of the town of Kevill, on the south side of US 60, and is on the north edge of a large open field. From the westerly intersection of KY 473 and US 60 in Kevill, go west on US 60 for +/-1.44 mi. to the station on the left. The station is northeast of a target pond. The mark is an 18" long, 5/8" diameter steel rebar with a plastic logo cap and is set flush with the ground.
- Station Designation P7  
P7 is located west of the town of Kevill and is on the northwest side of US 60 at house #8186. From the westerly intersection of KY 473 and US 60 in Kevill, go west on US 60 for +/-1.29 mi. to the station on the right. The station is northeast of the southeast end of the concrete drive for house #8186. The mark is an 18" long, 5/8" diameter steel rebar with a plastic logo cap and is set flush with the ground.
- Station Designation P8  
P8 is located west of the town of Kevill, south of US 60, and is on the east side of the gravel drive for house #8353. From the westerly intersection of KY 473 and US 60 in Kevill, go west on US 60 for +/-1.14 mi. to the gravel drive for house #8353. Steve Sullivan, on the left. Turn left and go south for +/-0.34 mi. to the station on the left. The station is east of and across the drive from a black barn. The mark is an 18" long, 5/8" diameter steel rebar with a plastic logo cap and is set flush with the ground.
- Station Designation P9  
P9 is located west of the town of Kevill, southwest of the intersection of US 60 and H. Sullivan Lane, and is on the northwest side of US 60. From the westerly intersection of KY 473 and US 60 in Kevill, go west on US 60 for +/-1.0 mi. to the station on the right. The station is just northeast of and across the road from the gravel drive for house #8353. The mark is an 18" long, 5/8" diameter steel rebar with a plastic logo cap and is set flush with the ground.
- Station Designation P10  
P10 is located west of the town of Kevill, northeast of the intersection of US 60 and H. Sullivan Lane, and is on the southeast side of US 60. From the westerly intersection of KY 473 and US 60 in Kevill, go west on US 60 for +/-0.84 mi. to the station on the left. The station is just south of the south end of the southeast headwall. The mark is an 18" long, 5/8" diameter steel rebar with a plastic logo cap and is set flush with the ground.
- Station Designation P11  
P11 is located southwest of the town of Kevill, southeast of the intersection of US 60 and H. Sullivan Lane, and is on a grass knoll in the southeast corner of a large corn field. From the westerly intersection of KY 473 and US 60 in Kevill, go west on US 60 for +/-0.90 mi. to H. Sullivan Lane on the left. Turn left and go south +/-0.24 mi. to a field 2-track on the left. Turn left and go east +/-0.18 mi. and then north +/-0.05 mi. to the top of the hill and the station. The mark is an 18" long, 5/8" diameter steel rebar with a plastic logo cap and is set flush with the ground.
- Station Designation P12  
P12 is located southwest of the town of Kevill, north of Shelby Road, and is on the west edge of a pasture. From the westerly intersection of KY 473 and US 60 in Kevill, go south on KY 473 +/-0.72 mi. to Shelby Road on the right. Turn right and go west on Shelby Road for +/-0.35 mi. to a field entrance on the right. Turn right and go north through a gate and then northwest for +/-0.32 mi. to the station. The station is northwest of a horse training track. The mark is an 18" long, 5/8" diameter steel rebar with a plastic logo cap and is set flush with the ground.
- Station Designation P13  
P13 is located southwest of the town of Kevill, south of Pine Lane, and is north of Fiber-Comm LLC. From the westerly intersection of KY 473 and US 60 in Kevill, go south on KY 473 +/-0.23 mi. to Pine Lane on the right. Turn right and go west on Pine Lane for +/-0.19 mi. and then south for +/-0.05 mi. to the station on the left. The station is just west of a tan mobile home. The mark is an 18" long, 5/8" diameter steel rebar with a plastic logo cap and is set flush with the ground.
- Station Designation P14  
P14 is located just south of the town of Kevill and is on the west side of KY 473. From the westerly intersection of KY 473 and US 60 in Kevill, go south on KY 473 +/-0.07 mi. to the station on the right. The station is on the east edge of an open field. The mark is an 18" long, 5/8" diameter steel rebar with a plastic logo cap and is set flush with the ground.
- Station Designation P15  
P15 is located just south of the town of Kevill, south of the Valerian Village Assisted Living Building, and is near the southwest corner of an open field. From the easterly intersection of KY 473 and US 60 in Kevill, go southeast on US 60 +/-0.27 mi. to Freedom Blvd. on the right. Turn right and then right again onto Veterans Ave. and go west for +/-0.16 mi. to the station. The station is southwest of the Bethel Jacobs Co. LLC Building. The mark is an 18" long, 5/8" diameter steel rebar with a plastic logo cap and is set flush with the ground.
- Station Designation P16  
P16 is located southeast of the town of Kevill, on the north side of US 60, and is north of and across the road from the Weskem LLC Building. From the easterly intersection of KY 473 and US 60 in Kevill, go southeast on US 60 +/-0.69 mi. to the station on the left. The station is on the south edge of a farm field. The mark is an 18" long, 5/8" diameter steel rebar with a plastic logo cap and is set flush with the ground.
- Station Designation P18 (KEVILL)  
P18 is located southeast of the town of Kevill, on the north side of US 60 at the southwest end of the drive for house #12345. From the easterly intersection of KY 473 and US 60 in Kevill, go southeast on US 60 +/-0.96 mi. to the station on the left. The station is southeast of the intersection of County Line Road and US 60. The mark is an 18" long, 5/8" diameter steel rebar with a plastic logo cap and is set flush with the ground.

USER: \$\$\$USER\$\$\$  
 DATE: \$\$\$DATE\$\$\$  
 FILE NAME: \$\$\$designs\$file\$specification\$\$\$  
 E-SHEET NAME:

**RIGHT OF WAY  
 PLANS**

COORDINATE CONTROL SHEET

SCALE: 1"=100'