

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
665	(140)I-1	WARREN	18	1
		ILLINOIS	CONTRACT NO. 68931	

D-94-097-09



LOCATION OF SECTION INDICATED THUS: - - -

JOB DESCRIPTION: BOX CULVERT EXTENTION WITH A DROP STRUCTURE ON SOUTH SIDE OF IL 116 2.5 MILES WEST OF IL 41/116 JUNCTION

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED 4/19/2010
[Signature]
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

May 7 2010
Scott E. Stitt P.E. Ica
acting ENGINEER OF DESIGN AND ENVIRONMENT

May 7 2010
Christine M. Reedler
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

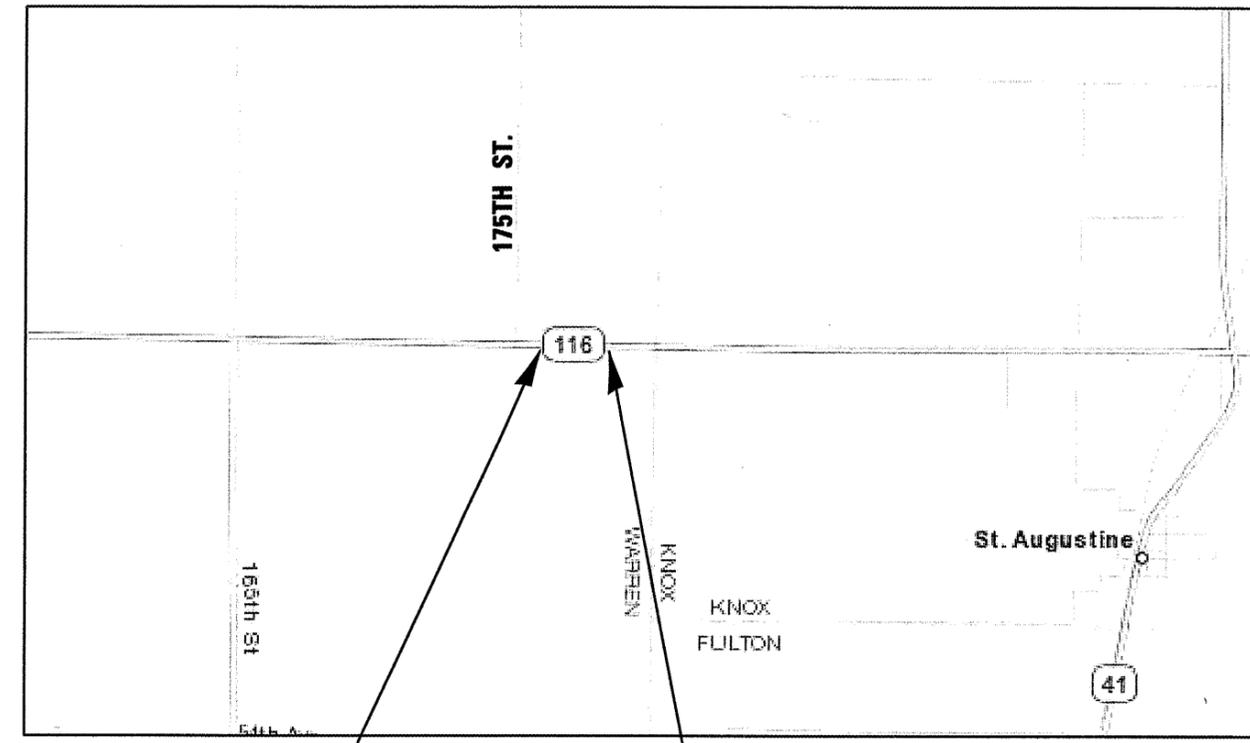
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

FAP ROUTE 665 (IL 116)
SECTION (140)I-1

WARREN COUNTY
C-94-158-09
R1W

T9W



PROJECT BEGINS STA 1401+50
PROJECT ENDS STA 1402+60
GROSS LENGTH = 110 FT. = 0.02 MILE
NET LENGTH = 110 FT. = 0.02 MILE

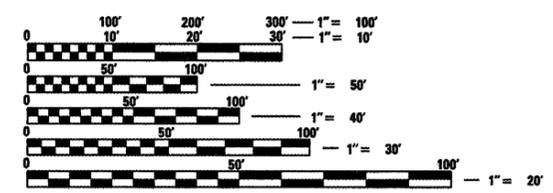
INDEX OF SHEETS

1. COVER SHEET
2. GENERAL NOTES & COMMITMENTS
- 3-4. SUMMARY OF QUANTITIES
5. SCHEDULE OF QUANTITIES
6. LINE DIAGRAM
7. REFERENCE TIES & BENCHMARKS
8. PLAN SHEETS
9. CONCRETE REMOVAL DETAIL
10. TEMPORARY SOIL RETENTION DETAIL
11. CONCRETE COLLAR DETAIL
- 12-14. CADD STANDARDS
- 15-18. CROSS SECTIONS

HIGHWAY STANDARD

- 000001-05 666001-01
- 001001-02 701006-03
- 280001-05 701201-03
- 542101-02 701301-03
- 602406-03 701901-01

ADT = 950
MU = 100
SU = 60



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

PROJECT ENGINEER: RICH DOTSON (309)671-3455
PROJECT MANAGER: RICH DOTSON (309)671-3455
CATALOG NO. 034313-00D
CONTRACT NO. 68931

SOIL REPORT AVAILABILITY

All soils data collected and processed for the Soils Report made in conjunction with the design of this improvement is on file at the District Office where it is available for the inspection of Contractors or prospective bidders. By submitting a bid, the Contractor acknowledges that the Soils Report has been made available and is aware of the report contents and appendices.

AVAILABILITY OF ELECTRONIC FILES

Micro Station and GEOPAK files of this project will be made available to the Contractor. If there is a conflict between the electronic files and the printed contract plans and documents, the printed contract plans and documents shall take precedence over the electronic files. The Contractor shall accept all risk associated with using the electronic files and shall hold the Department harmless for any errors or omissions in the electronic files and the data contained therein. Errors or delays resulting from the use of the electronic files by the Contractor shall not result in an extension of time for any interim or final completion date or shall not be considered cause for additional compensation. The Contractor shall not use, share, or distribute these electronic files except for the purpose of constructing this contract. Any claims by third parties due to use or errors shall be the responsibility of the Contractor. The Contractor shall include this disclaimer with the transfer of these electronic files to any other parties and shall include appropriate language binding them to similar responsibilities.

UTILITIES – LOCATIONS /INFORMATION ON PLANS

The locations of existing water mains, gas mains, sewers, electric power lines, telephone lines and other utilities as shown on the plans are based on careful field investigation and the best information available, but they are not guaranteed. Unless elevations are shown — all utility locations shown on the cross sections are based on the approximate depth supplied by the utility company. It shall be the Contractor’s responsibility to ascertain their exact location from the utility companies and by field inspection.

TREE REMOVAL – UTILITY RELOCATION

Tree removal may be necessary prior to utility companies being able to relocate their facilities outside the construction limits. The Contractor should coordinate any contract tree removal activities with the utility companies to eliminate conflicts and potential delays caused by utility tree removal activities or incomplete utility relocations.

COMMITMENTS

Commitments are not to be altered without the written approval of all parties to which the commitment was made.

NO COMMITMENTS WERE MADE FOR THIS PROJECT.

EXISTING DRAINAGE PIPES CONNECTED TO NEW STRUCTURES

In accordance with Section 602 of the Standard Specifications, the connecting of existing drain tiles, pipe culverts, or storm sewers to the proposed drainage system structures will not be paid for separately but shall be considered as included in the pay items provided.

PROPERTY OWNER ACCESS REQUIREMENTS

Access must be maintained to all existing properties during construction per Article 107.09 unless arrangements are made in writing by the Contractor with the property owners with a copy to the Engineer for short-term closures.

CLEARING

At locations where clearing is indicated on the plans beyond the limits of the proposed excavation or embankment, the Contractor shall restore the disturbed earth by blading and shaping to blend with the adjacent ground. The clearing will not be paid for separately but shall be included in the cost of excavation pay items in the plans. Payment for reseeding or resodding will be as provided in the plans.

TREE REMOVAL

The District Four Tree Committee should be contacted and prior approval obtained for any tree removal beyond the limits/locations included in the plans.

ENVIRONMENTAL REVIEWS

Prior to the use of any proposed borrow areas, use areas (temporary access roads, detours, run-arounds, etc.) and/or waste areas, the Contractor shall file the required environmental resource request surveys according to Section 107.22 of the Standard Specifications. These surveys are required in order for the Department to conduct cultural and biological resource surveys for the proposed site.

Prior to any waste materials being removed from the construction site the required environmental resource surveys will need to be obtained and filed by the Contractor. Excess waste products removed from the construction site shall be disposed of as required in Section 202.03 of the Standard Specifications.

Any protruding metal bars shall be removed prior to the disposal of broken concrete at approved disposal sites.

The required environmental resource documentation shall include the following:

- * BDE Form 2289 (Environmental Survey Request)
- * A location map showing the size limits and location of the use area
- * Signed property owner agreement form-D4 PI0100
- * Color photographs depicting the use area
- * Borrow Area Entry Agreement form-D4 PI0101

Please note that a minimum of two weeks shall be allowed for the District to obtain the required environmental clearances.

ORDERING LENGTH CONFIRMATION – DRAINAGE ITEMS

The Contractor shall consult with the Engineer in regard to the exact length of the box/pipe culverts, storm sewers, and/or pipe drains required prior to ordering these items.

STATUS OF UTILITIES

UTILITY	LOCATION	OFFSET	TYPE OF UTILITY	TYPE OF CONFLICT	DISPOSITION
AMEREN IP	1401+50 TO 1402+60	53' & VARIE	4" STEEL GAS TRANSMISSION	PIPE CULVERT	CAUTION
CENTURY TELEPHONE	1401+50 TO 1402+60	50' & VARIE	ABANDONED PHONE CABLE	PIPE CULVERT	CAUTION

Y007

CODE No.	ITEM	UNIT	Tot.QTY	100% STATE	
20100500	TREE REMOVAL, ACRES	ACRE	0.18	0.18	
20200100	EARTH EXCAVATION	CU YD	5	5	
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	7.5	7.5	
20400800	FURNISHED EXCAVATION	CU YD	1177	1177	
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	58	58	
21101615	TOPSOIL FURNISH AND PLACE, 4" AND	SQ YD	722	722	
25000210	SEEDING, CLASS 2A	ACRE	0.22	0.22	
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	20	20	
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	20	20	
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	20	20	
25100115	MULCH, METHOD 2	ACRE	0.22	0.22	
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	60	60	
28000305	TEMPORARY DITCH CHECKS	FOOT	200	200	
28000400	PERIMETER EROSION BARRIER	FOOT	260	260	
28000500	INLET AND PIPE PROTECTION	EACH	1	1	
28100209	STONE RIPRAP, CLASS A5	TON	38	38	
28100225	STONE RIPRAP, CLASS B3	TON	73	73	
28100227	STONE RIPRAP, CLASS B4	TON	128	128	

FILE NAME = S:\GEN\DRFT\STD&PLNS\DOTSON\ILL16CULCSAUG.dgn

USER NAME = eichhornbr	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0913' / IN.	CHECKED -	REVISED -
PLOT DATE = 4/20/2010	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
665	(140)I-1	WARREN	18	3
CONTRACT NO. 68931				
ILLINOIS FED. AID PROJECT				

Y007

CODE No.	ITEM	UNIT	Tot.QTY	100% STATE
28200200	FILTER FABRIC	SQ YD	251	251
50102400	CONCRETE REMOVAL	CU YD	1.6	1.6
50800105	REINFORCEMENT BARS	POUND	26	26
54010203	PRECAST CONCRETE BOX CULVERT 2' X 3'	FOOT	30	30
54215436	CAST-IN-PLACE REINFORCED CONCRETE END SECTIONS 36"	EACH	1	1
54248510	CONCRETE COLLAR	CU YD	0.7	0.7
542A1921	PIPE CULVERTS, CLASS A, TYPE 3 36"	FOOT	47	47
60224040	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 37 GRATE	EACH	1	1
63200310	GUARDRAIL REMOVAL	FOOT	125	125
66600105	FURNISHING AND ERECTING RIGHT-OF-WAY MARKERS	EACH	4	4
67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	2	2
67100100	MOBILIZATION	L SUM	1	1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1
X0323988	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	300	300
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1
Z0022800	FENCE REMOVAL	FOOT	15	15
* Z0054500	ROCK FILL	TON	103	103

* Specialty Items

FILE NAME
S:\GEN \DRAFT\STD&PLNS\DOTSON\IL116CULCSAUG.dgn

USER NAME = eschhornbr
PLOT SCALE = 20.0913 / IN.
PLOT DATE = 4/20/2010

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE. 665	SECTION (140)I-1	COUNTY WARREN	TOTAL SHEETS 18	SHEET NO. 4
CONTRACT NO. 68931				
ILLINOIS FED. AID PROJECT				

SEEDING & FERTILIZER SUMMARY

LOCATION	TEMP EROS CONT SEED (lbs)	SEEDING CL 2A (ACRE)	EROS CONT BLKT(SQ YD)	NITROGEN FERT (LBS)	PHOSPHORES FERT. (LBS)	POTASSIUM FERT (LBS)	TOPSOIL FURN & PLACED, 4" (SQ YD)
STA 1401+50 TO	60	0.22	1034	20	20	20	722
TOTAL	60	0.22	1034	20	20	20	722

GUARDRAIL REMOVAL	FOOT
STA 1400+90 TO 1402+15 22' RT	125
TOTAL	125

FURNISHING & ERECTING ROW MARKERS		
LOCATION		EACH
1401+50	50'RT	1
1402+25	140'RT	1
1402+60	140'RT	1
1402+60	48'RT	1
TOTAL		4

TRAF CONT & PROT STD,701201	LUMP SUM
JOBSITE	1
TOTAL	1

CONCRETE REMOVAL CULVERT/HEADWALL	
LOCATION	CU YD
STA 1402+02.5	1.61
TOTAL	1.61

REMOVAL & DISPOSAL OF UNSUITABLE MATL BETWEEN EXISTING HEADWALL & MANHOLE	CU YD
	7.5
TOTAL	7.5

EARTHWORK				
LOCATION	EARTH EX (CUT) CU YD	ADJ EARTH EX (CUT) CU YD	EMBANK (FILL) CU YD	WASTE CU YD
STA 1401+50 TO 1402+60 RT	5	4	1177	-1173
TOTAL	5	4	1177	

NOTE: adjust earth ex calc's assuming 20% shrinkage factor

CONSTRUCTION LAYOUT	
LOCATION	LUMP SUM
JOBSITE	1

MOBILIZATION	
LOCATION	LUMP SUM
JOBSITE	1
TOTAL	1

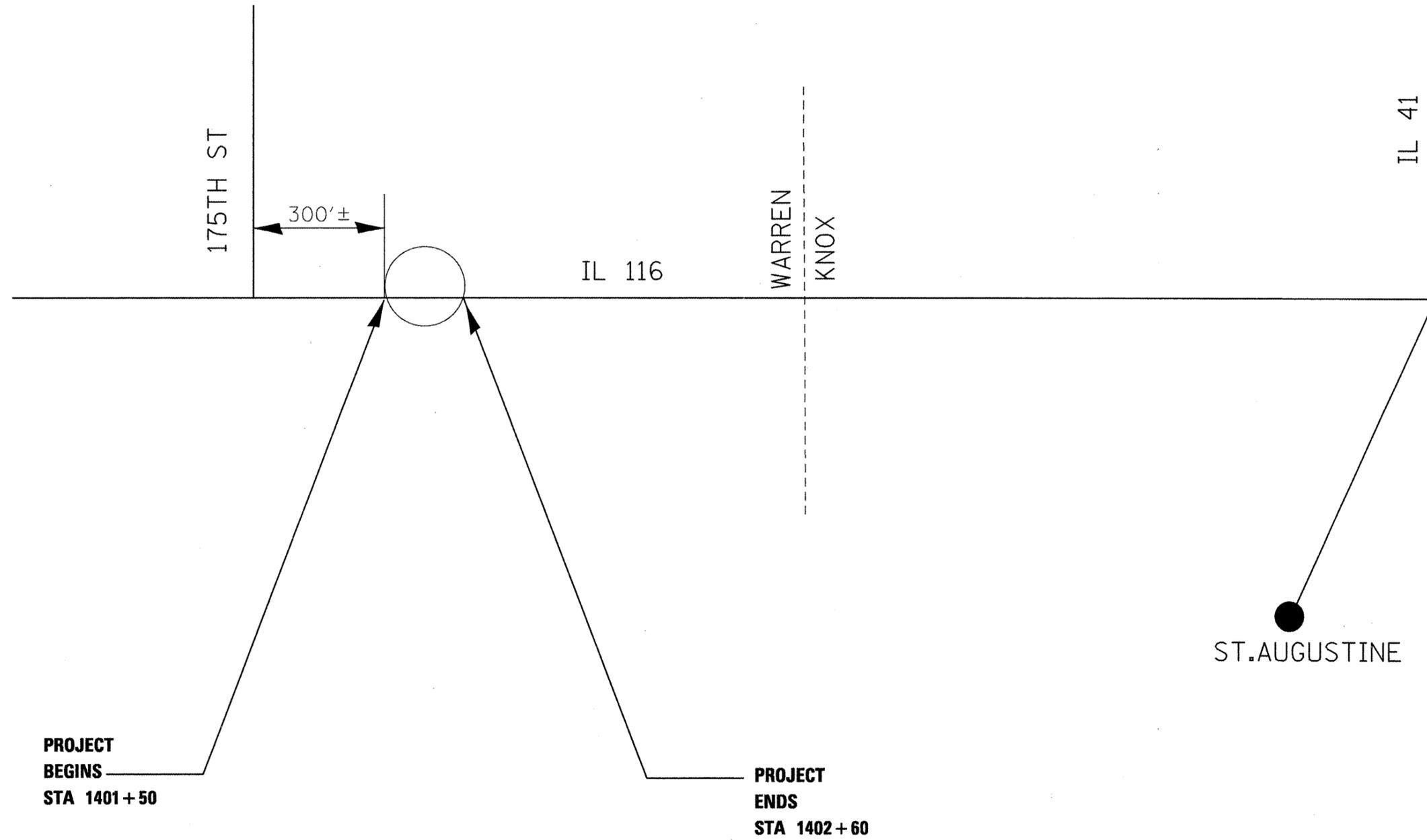
FENCE REMOVAL	FOOT
STA 1400+ RT	15
TOTAL	15

TREE REMOVAL	ACRE
STA 1401+50 TO 1402+60 RT	0.18
TOTAL	0.18

INLET PIPE PROTECTION	EACH
STA 1402+35 70 RT	1
TOTAL	1

PERIM EROS BARRIER	FOOT
STA 1401+50 70 RT	260
TOTAL	260

TEMP DITCH CHECKS	EACH
STA 1401+50 TO 1402+60 RT	200
TOTAL	200



FILE NAME IL116CULCSAUG/.dgn IL116StaAug.dgn	USER NAME = etchhornbr	DESIGNED -	REVISED -
		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

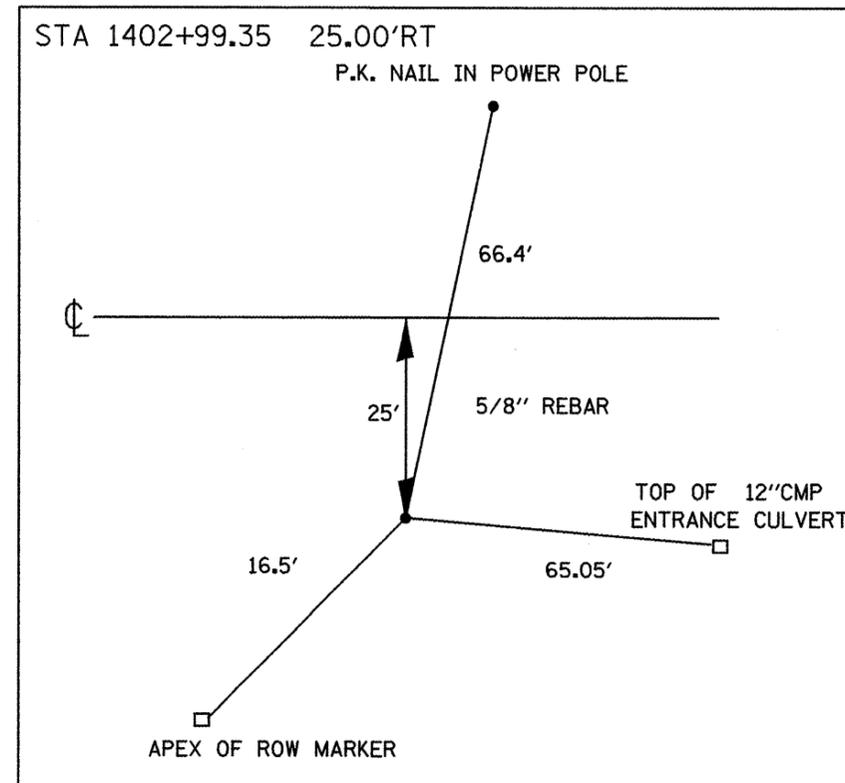
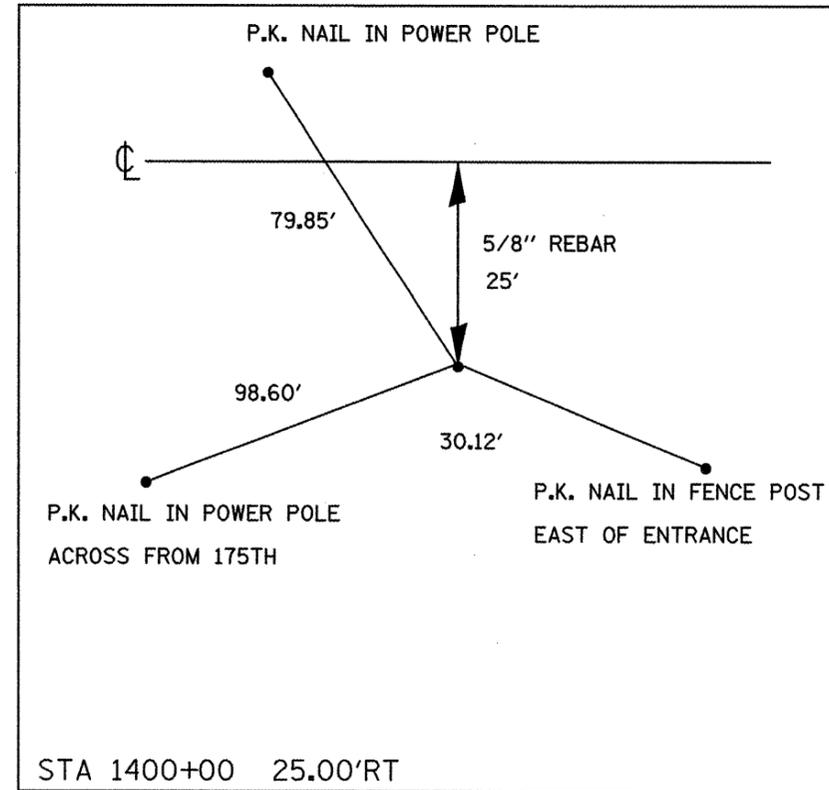
**LINE DIAGRAM
NOT TO SCALE**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P RTE. 665	SECTION (140)I-1	COUNTY WARREN	TOTAL SHEETS 18	SHEET NO. 6
CONTRACT NO. 68931				
ILLINOIS FED. AID PROJECT				

BM# 1 ELEV. 667.92
 NAIL IN POWER POLE @ STA.1402+90,
 40' LT

BM# 2 ELEV. 655.00
 UPSTREAM FLOWLINE OF ENTRANCE
 TO BOX CULVERT



FILE NAME = IL116CULCSAUG.dgn	USER NAME = eschhornbr	DESIGNED -	REVISED -
		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

REFERENCE TIES AND BENCHMARKS NOT TO SCALE			
SCALE:	SHEET NO. OF SHEETS	STA.	TO STA.

F.A.P. RTE. 665	SECTION (1401)-1	COUNTY WARREN	TOTAL SHEETS 18	SHEET NO. 7
CONTRACT NO. 68931				
ILLINOIS FED. AID PROJECT				

POT Sta 1400+75.36

1401+00.00 / 1
 1401+25.00 / 1
 1401+50.00 / 1
 1401+75.00 / 1
 1401+85.00 / 1
 1402+00.00 / 1
 1402+02.45 / 1
 1402+25.00 / 1
 1402+35.00 / 1
 1402+50.00 / 1
 1402+60.00 / 1

POT Sta 1402+75.45

GUARDRAIL REMOVAL

EXISTING ROW 1402+60, 48' RT

STONE RIPRAP, B3

FENCE REMOVAL

EXISTING ROW 1402+60, 48' RT

PR CONCRETE COLLAR

TEMP DITCH CHECK

CONSTRUCTION LIMIT

PR PRECAST CONC
BOXCULVERT 2'X3' 30 LF

STA 1402+14, 70' RT
PR MANHOLE, TYPE A, 6'DIA
WITH TYPE 37 GRATE, 1 EACH

PR PIPE CULVERT, CLASS A
TYPE B, 36"-47LF

PR PIPE CULVERT ENDSECTION
36" -1 EACH

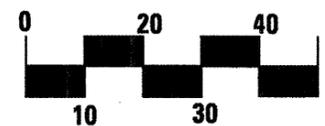
PR ROW 1402+25, 140' RT

PR ROW 1402+60, 140' RT

STONE RIPRAP, B4

STONE RIPRAP, A5

The design wall thicknesses, fillet sizes, and reinforcement areas and placements for the 2x3 precast concrete box culvert shall conform to those found in Table 1 of AASHTO M273 for a 3x3 box culvert with 18 feet of fill.



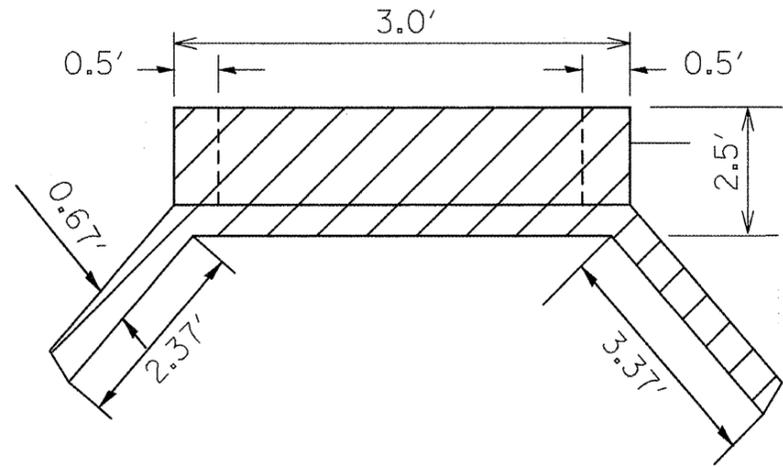
FILE NAME = IL1165tAug.dgn	USER NAME = eichhornbr	DESIGNED -	REVISED -
		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEET

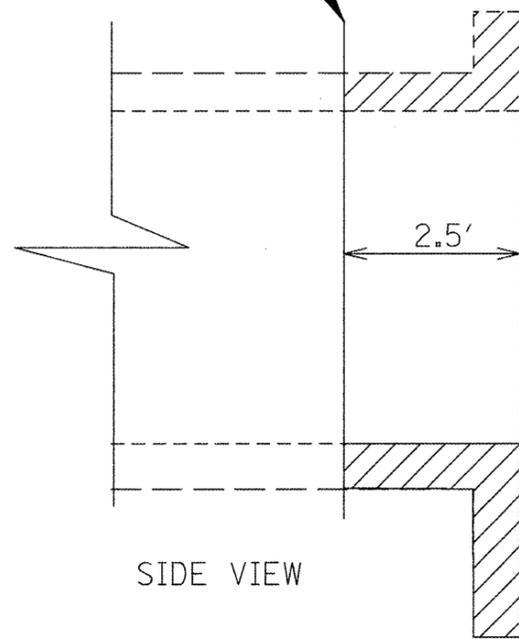
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P RTE. 665	SECTION (140)-1	COUNTY WARREN	TOTAL SHEETS 18	SHEET NO. 8
CONTRACT NO. 68931				
ILLINOIS FED. AID PROJECT				



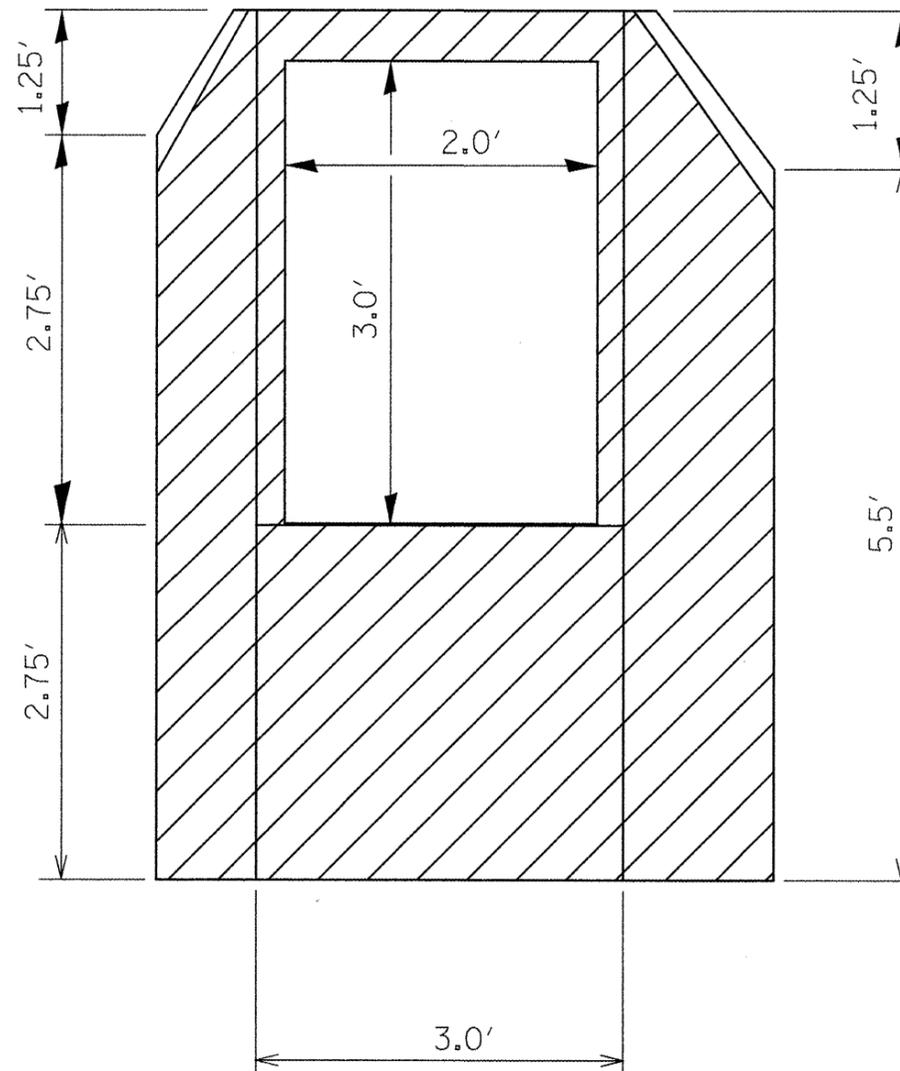
PLAN VIEW

CONCRETE REMOVAL
FULL DEPTH. SAWCUT



SIDE VIEW

CONCRETE REMOVAL



ELEVATION VIEW

FILE NAME = IL116CULCSAUG.dgn
IL116StaAug.dgn

USER NAME = eschhornbr

DESIGNED -

REVISED -

DRAWN -

REVISED -

PLOT SCALE = 20.0000' / IN.

CHECKED -

REVISED -

PLOT DATE = 4/21/2010

DATE -

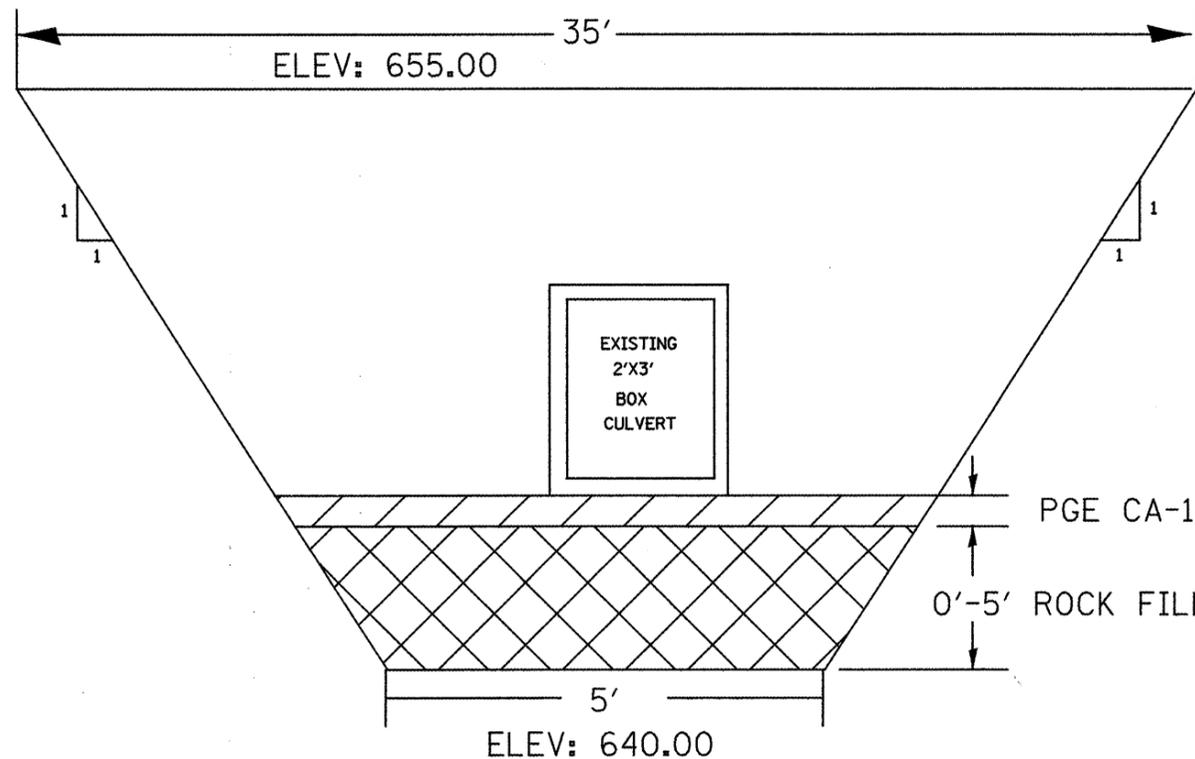
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONCRETE REMOVAL DETAIL
NOT TO SCALE

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
665	(140)I-1	WARREN	18	9
CONTRACT NO. 68931				
ILLINOIS FED. AID PROJECT				



TEMPORARY SOIL RETENTION SYSTEM		
HEIGHT	WIDTH	AREA
(FEET)	(FEET)	(FEET)
15	VARIES 5' TO 35'	300

NOTE: INSTALL TEMP. SOIL RETENTION SYSTEM AT 38' RT OF IL 116 CENTERLINE IN ORDER TO REMOVE THE EXISTING HEADWALL EXCAVATE UNSUITABLE MATERIAL, PLACE ROCKFILL, AND PLACE CONCRETE COLLAR AROUND PROPOSED BOXCULVERT EXTENTION.

FILE NAME IL116CULCSAUG.dgn

USER NAME = eschhornbr

DESIGNED -

REVISED -

DRAWN -

REVISED -

CHECKED -

REVISED -

DATE -

REVISED -

PLOT SCALE = 20,000' / IN.

PLOT DATE = 4/21/2018

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

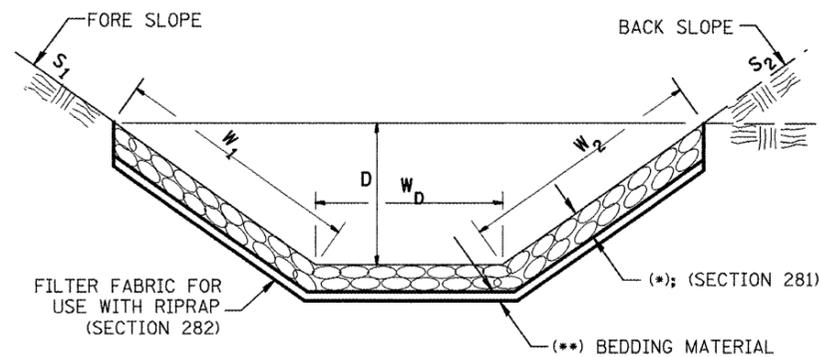
TEMPORARY SOIL RETENTION SYSTEM DETAIL
NOT TO SCALE

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
665	(140)I-1	WARREN	18	10
CONTRACT NO. 68931			ILLINOIS FED. AID PROJECT	

Designer NOTES:
 1. Designer to modify this Special Detail Sheet, as needed for inclusion in plans.
 2. Designer to specify pay item including material, quality, and gradation.
 3. Designer to specify thickness of bedding material.
 4. Include District Special Provision if needed.

**CASE 1
(DITCH)**



STONE RIPRAP, CLASS B3					
LOCATION	WIDTH (1)	LENGTH	THICKNESS	RIPRAP	FABRIC
STA TO STA	lin ft (m)	lin ft (m)	Inches (mm)	tons (m tons)	sq yds (m ²)
1401+50 TO 1402+37	8	90	16	73	80
TOTAL				73	80

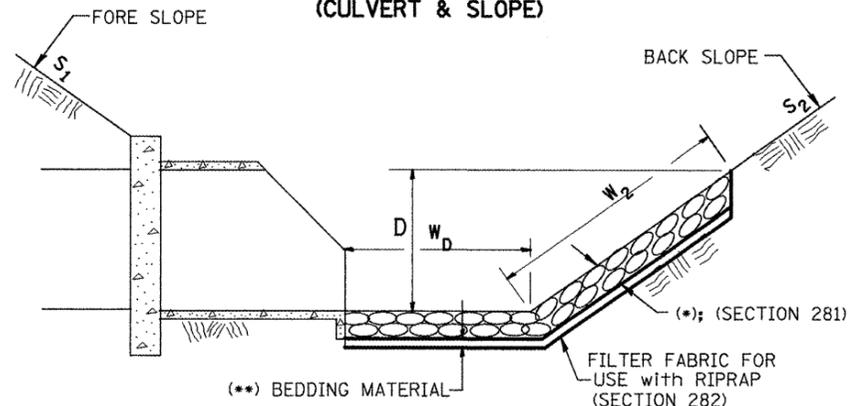
(1) WIDTH = $W_1 + W_2 + W_D = 4' + 2' + 2' = 8'$
 ** BEDDING MATERIAL = 0 INCHES

STONE RIPRAP, CLASS B3					
LOCATION	WIDTH (1)	LENGTH	THICKNESS	RIPRAP	FABRIC
STA TO STA	lin ft (m)	lin ft (m)	Inches (mm)	tons (m tons)	sq yds (m ²)
1402+40	11	115	16	128	140
TOTAL				128	140

(1) WIDTH = $W_1 + W_2 + W_D = 3.5' + 3.5' + 4' = 11'$
 ** BEDDING MATERIAL = 6 INCHES

FILTER FABRIC	
LOCATION	SQ YD
CLASS B3	80
CLASS B4	140
CLASS B5	31
TOTAL	251

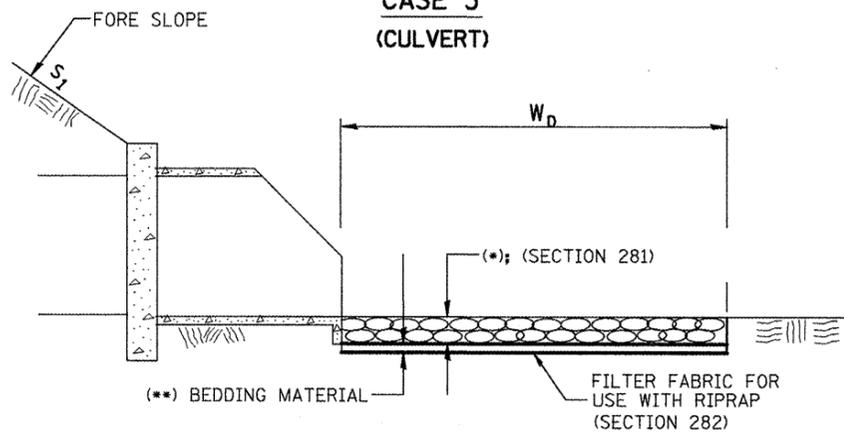
**CASE 2
(CULVERT & SLOPE)**



(*)				
LOCATION	WIDTH (1)	LENGTH	RIPRAP	FABRIC
STA TO STA	lin ft (m)	lin ft (m)	tons (m tons)	sq yds (m ²)
TOTAL				

(1) WIDTH = $W_2 + W_D$

**CASE 3
(CULVERT)**



STONE RIPRAP, CLASS B3					
LOCATION	WIDTH (1)	LENGTH	THICKNESS	RIPRAP	FABRIC
STA TO STA	lin ft (m)	lin ft (m)	Inches (mm)	tons (m tons)	sq yds (m ²)
1402+35, 125'RT	21'(AVG)	13	22	38	31
TOTAL				38	31

(1) WIDTH = W_D
 ** BEDDING MATERIAL = 8 INCHES

All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).
 All dimensions are in inches (millimeters) unless otherwise noted.

1-1-97	RENUM. A-12.02, NEW REVISION BOX	T.P.
12-1-97	CORRECT FILTER FABRIC LEADER ARROW	J.A.
10-16-06	REVISED TO 2007 SPEC.	M.A.

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

RIPRAP DITCH FOR EROSION PROTECTION

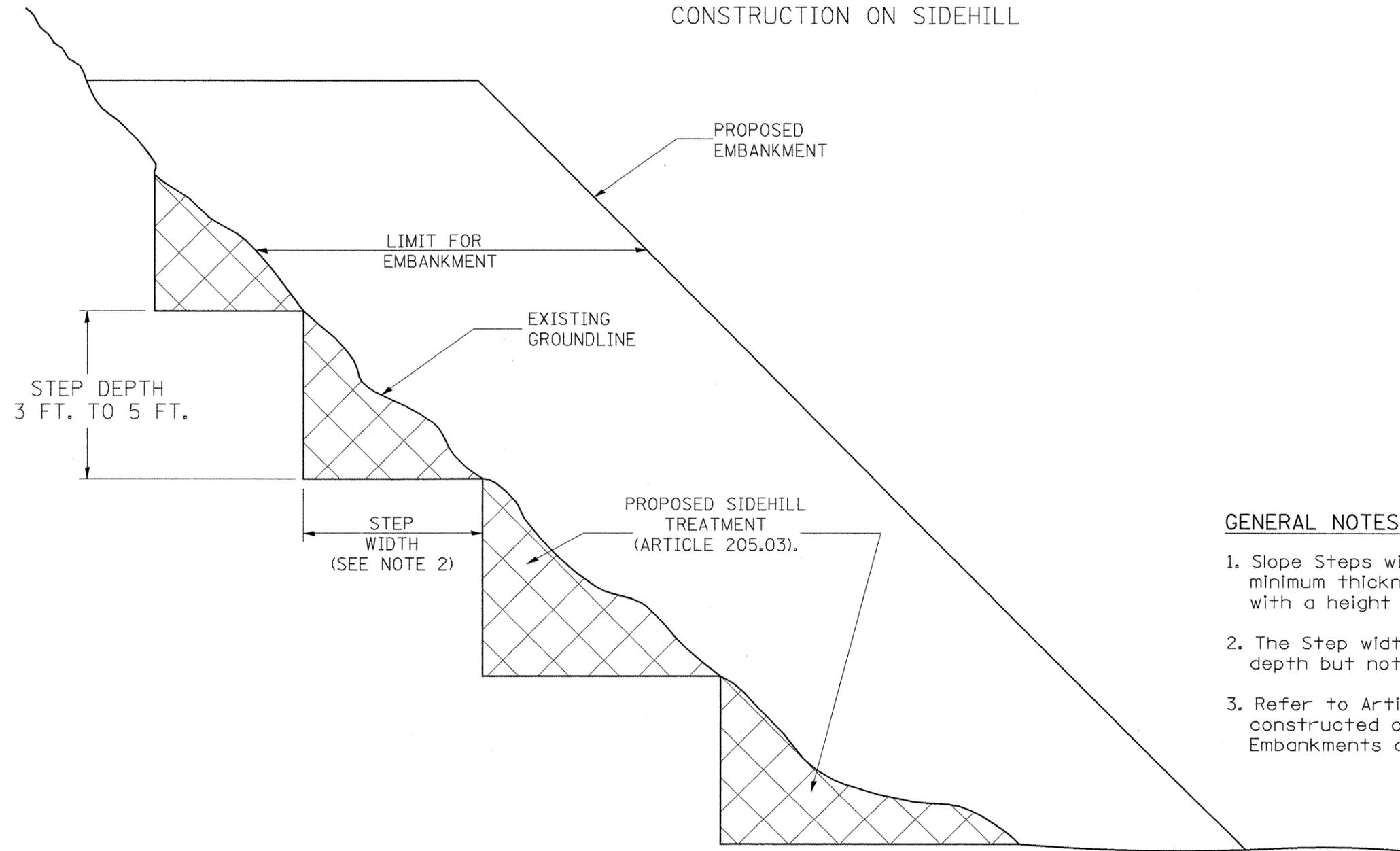
NOT TO SCALE

CADD STD. 281001-04

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
665	(140)I-1	WARREN	18	12
CONTRACT NO. 68931			ILLINOIS FED. AID PROJECT	

SLOPE STEPS DETAIL

TYPICAL CROSS-SECTION EMBANKMENT CONSTRUCTION ON SIDEHILL



GENERAL NOTES:

1. Slope Steps will be required for all 12(300) minimum thickness "silver fills" and on a fills with a height of 10'(3.0m).
2. The Step width shall be twice the Step depth but not less than 6 feet.
3. Refer to Article 205.03 for Embankment to be constructed on Hillside or Slopes, or if existing Embankments are to be widened.

REPLACEMENT MATERIAL:



STANDARD EMBANKMENT
(IN ACCORDANCE WITH
205 OF THE STANDARD SPECIFICATION).

All dimensions are in inches (millimeters)
unless otherwise noted.

DESIGNER NOTE:

1. EACH PROJECT SHOULD BE REVIEWED INDEPENDENTLY FOR TREATMENT REQUIRED.
2. REFER TO THIS DETAIL WITH NOTE ON APPLICABLE TYPICAL SECTIONS.

1-1-97	RENUM. L-5.03, NEW REVISION BOX, REVISED TITLE BOX, REVISED GENERAL NOTES.	T.P.			
10-16-06	REVISED TO 2007 SPEC.	M.A.			

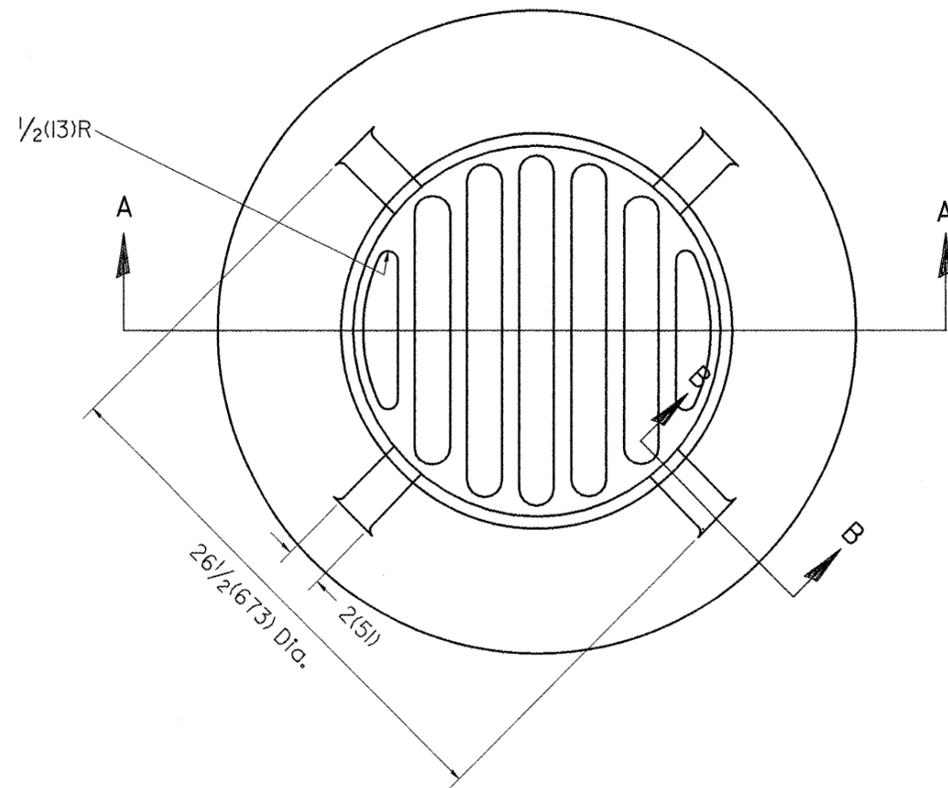
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

NOT TO SCALE

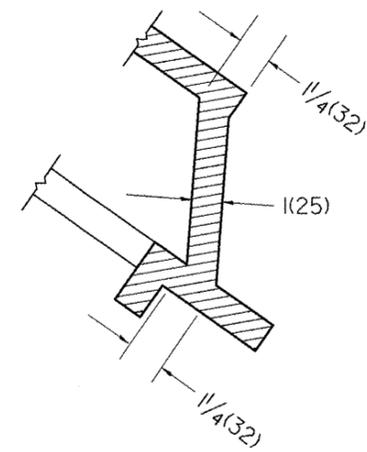
SLOPE STEPS DETAIL

CADD STD. 205001-D4

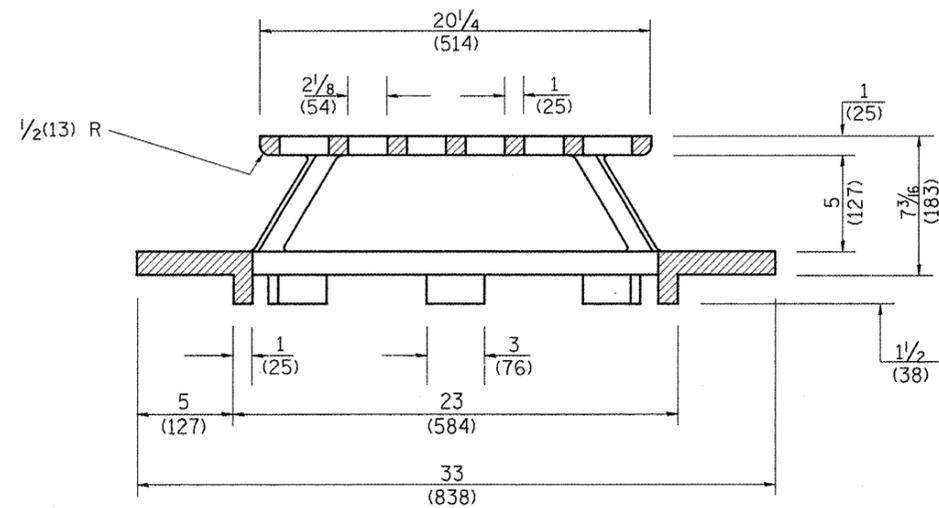
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
665	(140)I-1	WARREN	18	13
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 68931	



PLAN



SECTION B - B



SECTION A - A

GENERAL NOTES

1. MATERIAL - Cast Gray Iron
Weight 209 lbs (95 kg)

DESIGNER NOTE:
1. INCLUDE DISTRICT SPECIAL PROVISION.

All dimensions are in inches (millimeters) unless otherwise noted.

01-01-97 RENUM. B-10.02, NEW REVISION BOX
10-16-06 REVISED TO 2007 SPEC.

T.P.
M.A.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPE 37 GRATE

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
665	(140)I-1	WARREN	18	14
CONTRACT NO. 68931				

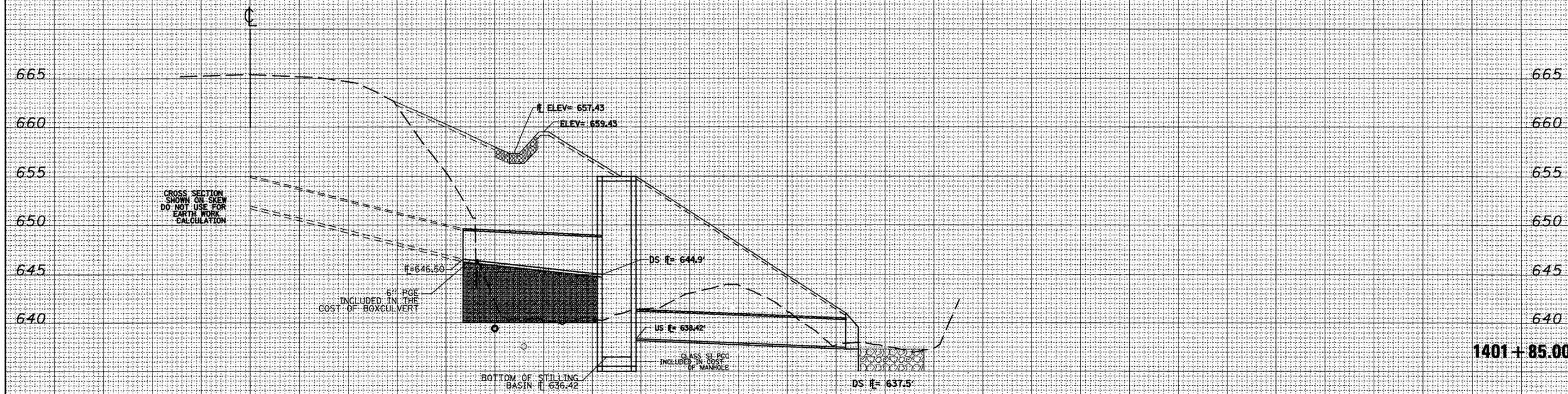
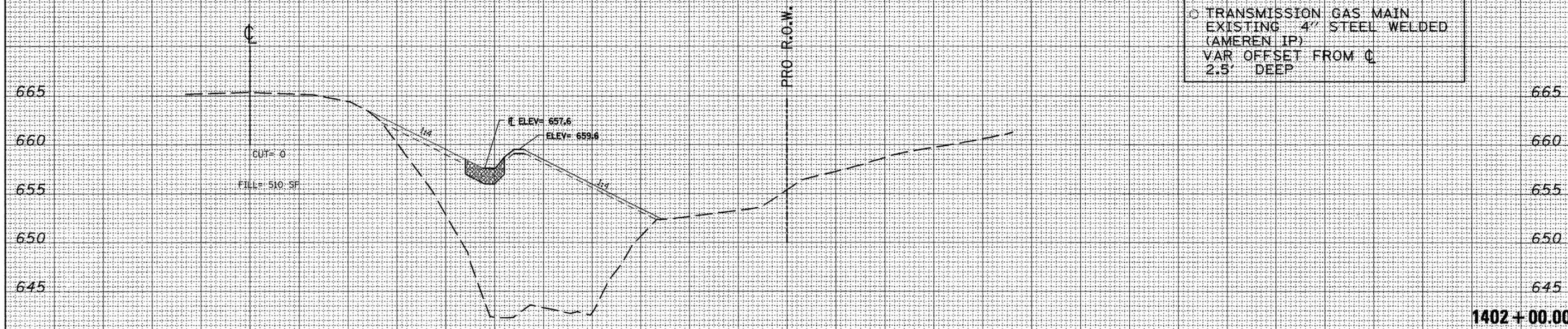
NOT TO SCALE

CADD STD. 604301-D4

FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT

40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200 210 220 230 240 250 260

- ABANDONED 12-22 PHONE CABLE (CENTURY TELEPHONE) 50' OFFSET FROM C 2.5' DEEP
- TRANSMISSION GAS MAIN EXISTING 4" STEEL WELDED (AMEREN IP) VAR OFFSET FROM C 2.5' DEEP



40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200 210 220 230 240 250 260

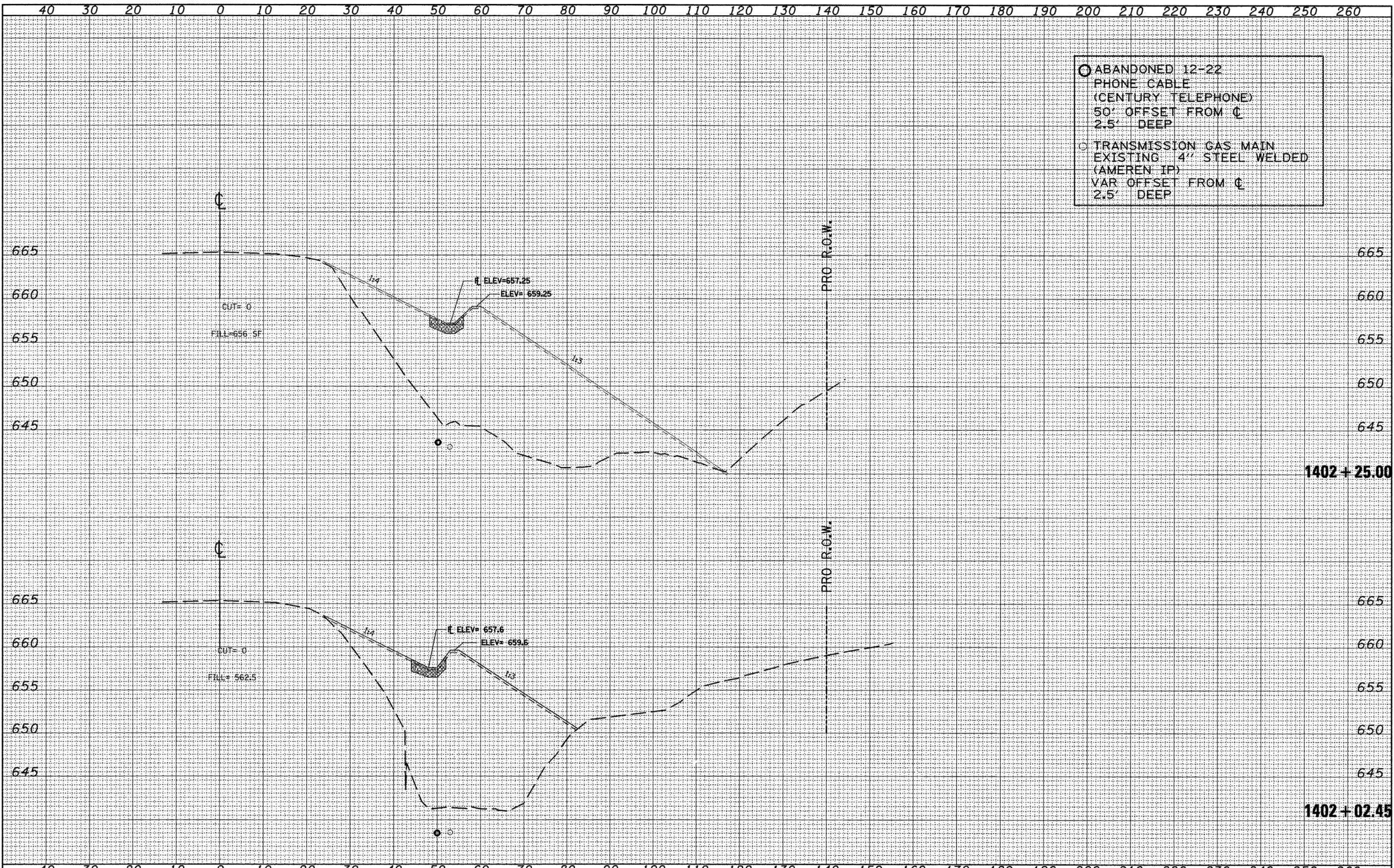
FILE NAME
S:\GEN \DRAFT\STD&PLNS\DOTSON\IL116CULCSAUG.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
665	(140)I-1	WARREN	18	16
CONTRACT NO. 68931				

1401+85.00 1402+00.00

ILLINOIS FED. AID PROJECT



○ ABANDONED 12-22
 PHONE CABLE
 (CENTURY TELEPHONE)
 50' OFFSET FROM CL
 2.5' DEEP

 ○ TRANSMISSION GAS MAIN
 EXISTING 4" STEEL WELDED
 (AMEREN IP)
 VAR OFFSET FROM CL
 2.5' DEEP

FILE NO. _____
 SURVEYED _____
 PLOTTED _____
 NOTE BOOK _____
 AREAS CHECKED _____
 NO. _____

DATE _____
 BY _____
 ORIGINAL SURVEY _____
 PLOTTED _____
 NOTE BOOK _____
 AREAS CHECKED _____
 NO. _____

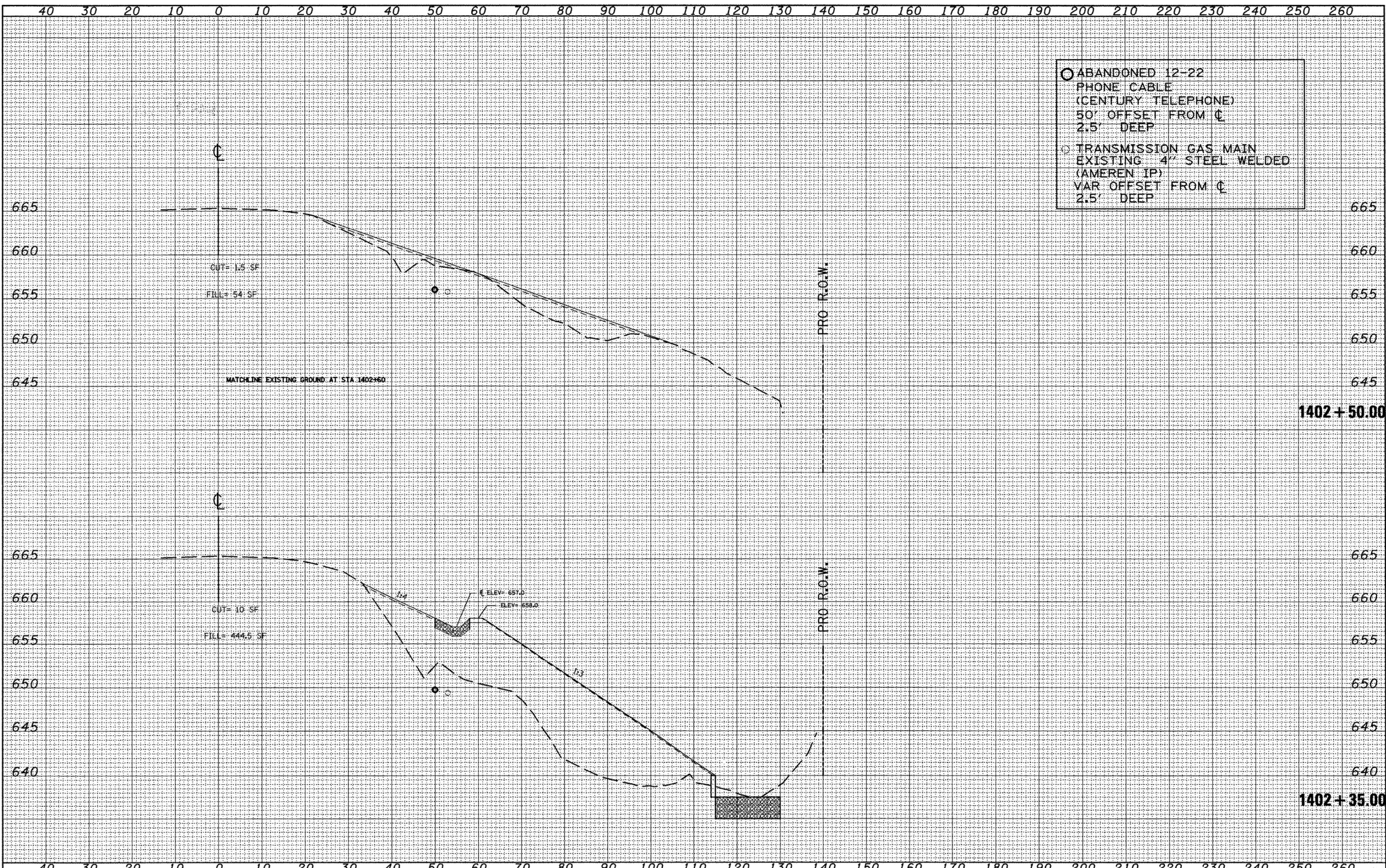
FILE NAME = IL1165tAug.dgn
 USER NAME = etchornbr
 PLOT SCALE = 20.0762' / IN.
 PLOT DATE = 4/21/2010

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: _____ SHEET NO. _____ OF _____ SHEETS STA. 1402+02.45 TO STA. 1402+25.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
665	(140)I-1	WARREN	18	17
CONTRACT NO. 68931				
ILLINOIS FED. AID PROJECT				



○ ABANDONED 12-22
 PHONE CABLE
 (CENTURY TELEPHONE)
 50' OFFSET FROM C
 2.5' DEEP
 ○ TRANSMISSION GAS MAIN
 EXISTING 4" STEEL WELDED
 (AMEREN IP)
 VAR OFFSET FROM C
 2.5' DEEP

ORIGINAL SURVEY
 SURVEYED
 PLOTTED
 TEMPLATE
 NOTE BOOK
 AREAS CHECKED
 NO.

ORIGINAL SURVEY
 SURVEYED
 PLOTTED
 TEMPLATE
 NOTE BOOK
 AREAS CHECKED
 NO.

FILE NAME =
 IL1185tAug.dgn

USER NAME = eichhornbr	DESIGNED -	REVISED -
PLOT SCALE = 20.8762' / IN.	DRAWN -	REVISED -
PLOT DATE = 4/21/2010	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCALE: SHEET NO. OF SHEETS STA. 1402+35.00 TO STA. 1402+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
665	(140I)-1	WARREN	18	18
CONTRACT NO. 68931				
ILLINOIS FED. AID PROJECT				