

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74/280	(37-2-1)M	HENRY	27	1
		ILLINOIS	CONTRACT NO. 64G80	

INDEX 03-08-13 LETTING ITEM 081

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

FAI ROUTE 74 /280 (I-74 /280)
SECTION (37-2-1)M
PROJECT : ACNHF-0005(917)
HENRY COUNTY
C-92-128-12

D-92-031-11



LOCATION OF SECTION INDICATED THUS: — ■ —

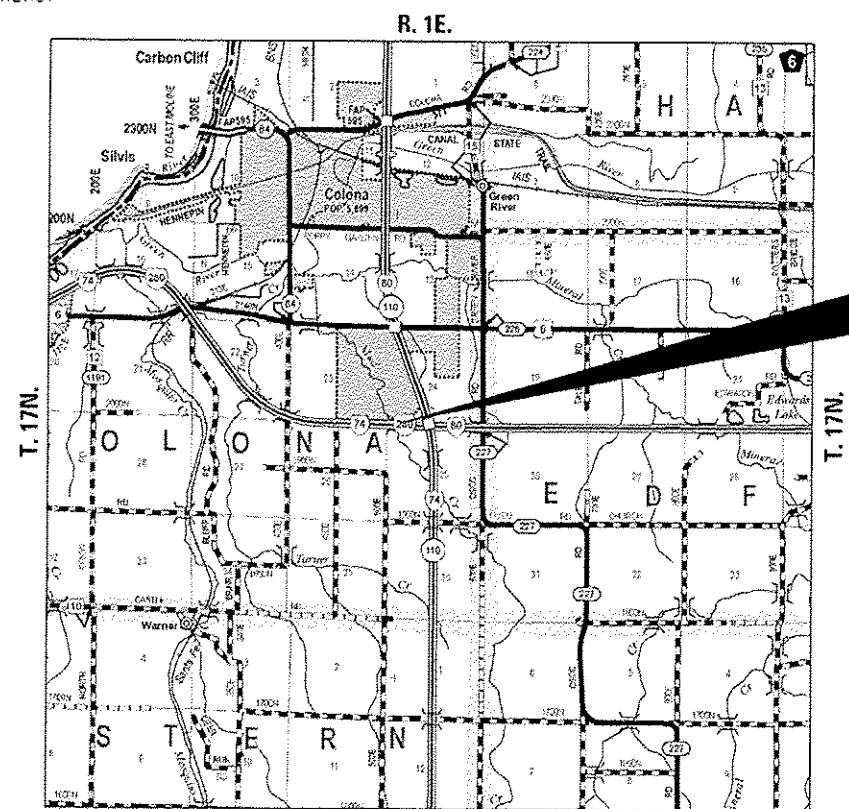
SHEET NO.	DESCRIPTION
1	COVER SHEET
2	SUMMARY OF QUANTITIES
3	GENERAL NOTES
4	HVC SHEET
5	GENERAL PLAN
6	PLAN & PROFILE
7	GRADING PLAN
8-9	EROSION CONTROL & SEEDING PLAN
10-14	STRUCTURAL PLANS
15-21	EXISTING STRUCTURE PLANS FOR REFERENCE ONLY
22	DETAILS
23	CAST-IN-PLACE REINFORCED CONCRETE END SECTIONS (28.4)
	FIELD TILE JUNCTION VAULTS 24 AND 36 DIA. (30.2)
24	DETAILS OF PLANTING AND BRACING TREES (92.1)
25-27	CROSS SECTIONS - CULVERT CHANNEL

STANDARDS

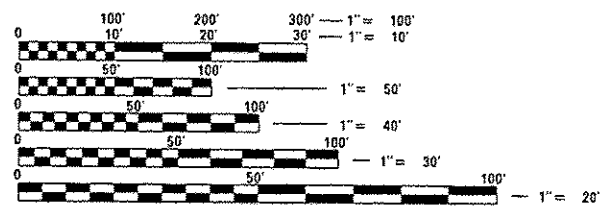
STANDARD NO.	DESCRIPTION
000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
701101-03	OFF-RD OPERATIONS, MULTILANE, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
701106-02	OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 M) AWAY
701400-06	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701406-07	LANE CLOSURE, FREEWAY/EXPRESSWAY
701411-08	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS ≥ 45 MPH
701456-02	PARTIAL EXIT RAMP CLOSURE FREEWAY / EXPRESSWAY
701901-02	TRAFFIC CONTROL DEVICES
720011-01	METAL POSTS FOR SIGNS, MARKERS & DELINEATORS
728001-01	TELESCOPING STEEL SIGN SUPPORT
729001-01	APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS & MARKERS)

PROJECT ENGINEER: REBECCA MARRUFFO

SQUAD LEADER: CHAD SPREEMAN (815) 284-5934



PROJECT /IMPROVEMENT BEGINS
STA. 716 + 98
INSERTION CULVERT LINERS (PARTIAL)
OF SN-037-2008 CARRYING I-74/280
OVER MUD CREEK STA. 717 + 17.31
PROJECT /IMPROVEMENT ENDS
STA. 717 + 36



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



DECEMBER 7 20 12

Paul J. Fitzpatrick
PAUL J. FITZPATRICK
ILLINOIS REG. PROFESSIONAL ENGINEER NO. 062-047637
EXPIRATION DATE 11-30-2013

COLONA TOWNSHIP, SECTION 24 & 25
GROSS LENGTH = 37 LIN FT (0.007 MILE)
NET LENGTH = 37 LIN FT (0.007 MILE)



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED JANUARY 14 20 13
Paul A. Laeta
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

Feb 1 20 13
John D. Baranzelli P.E./B
acting ENGINEER OF DESIGN AND ENVIRONMENT

Feb 1 20 13
Omer Osman, P.E./B
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

COLONA TOWNSHIP, SECTION 24 & 25
CONTRACT NO. 64G80

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80% FEDERAL 20% STATE CULVERT 0040	100% STATE CULVERT 0040
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	96	96	
20300100	CHANNEL EXCAVATION	CU YD	341	341	
* 21101625	TOPSOIL FURNISH AND PLACE, 6"	SO YD	3,402	3402	
* 25000210	SEEDING, CLASS 2A	ACRE	0.75	0.75	
* 25000310	SEEDING, CLASS 4	ACRE	0.1	0.1	
* 25100630	EROSION CONTROL BLANKET	SO YD	3,156	3156	
* 25100900	TURF REINFORCEMENT MAT	SO YD	246	246	
28000400	PERIMETER EROSION BARRIER	FOOT	1,545	1545	
28000500	INLET AND PIPE PROTECTION	EACH	1	1	
28100109	STONE RIPRAP, CLASS A5	SO YD	380	380	
28200200	FILTER FABRIC	SO YD	380	380	
54215408	CAST-IN-PLACE REINFORCED CONCRETE END SECTIONS 8"	EACH	1	1	
54215410	CAST-IN-PLACE REINFORCED CONCRETE END SECTIONS 10"	EACH	1	1	
59000200	EPOXY CRACK INJECTION	FOOT	170	170	
60100915	PIPE DRAINS 6"	FOOT	20	20	
60100925	PIPE DRAINS 8"	FOOT	20	20	
60100935	PIPE DRAINS 10"	FOOT	20	20	
61100500	EXPLORATION TRENCH 52" DEPTH	FOOT	20	20	
61133200	FIELD TILE JUNCTION VAULTS, 3' DIA.	EACH	1	1	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	3	3	
67100100	MOBILIZATION	L SUM	1	1	
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	2	2	
70100800	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	L SUM	1	1	
70100825	TRAFFIC CONTROL AND PROTECTION, STANDARD 701456	L SUM	1	1	
70300100	SHORT TERM PAVEMENT MARKING	FOOT	2,600	2600	
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	2,600	2600	
* A2001714	TREE, ACER SACCHARUM (SUGAR MAPLE), 1-3/4" CALIPER, BALLED AND BURLAPPED	EACH	4	4	
* A2006514	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 1-3/4" CALIPER, BALLED AND BURLAPPED	EACH	3	3	
* B2001114	TREE, CERCIS CANADENSIS (EASTERN REDBUD), 1-3/4" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	4	4	
X0324045	SEDIMENT CONTROL, STABILIZED CONSTRUCTION ENTRANCE REMOVAL	EACH	2	2	
X0324775	SEDIMENT CONTROL, STABILIZED CONSTRUCTION ENTRANCE MAINTENANCE	SO YD	765	765	
X5430100	INSERTION CULVERT LINER (SPECIAL)	FOOT	360	360	
Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SO FT	20	20	
Z0013796	SEDIMENT CONTROL, STABILIZED CONSTRUCTION ENTRANCE	SO YD	765	765	
Δ Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	2		2

Δ SPECIALTY ITEM Δ 100% STATE

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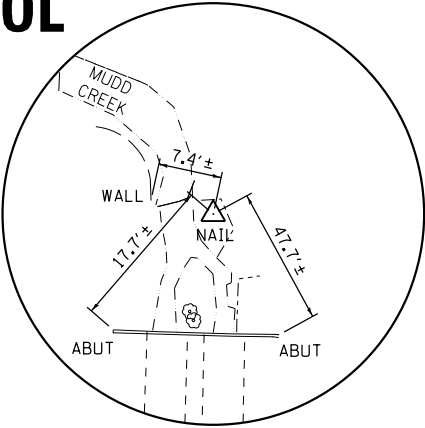
WILLS BURKE KELSEY ASSOCIATES LTD. <small>116 West Main Street, Suite 201 51 Charles Street, Bristol 06174</small>	USER NAME = nparris	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.I. RTE. 74/280	SECTION 37-2-1M	COUNTY HENRY	TOTAL SHEETS 27	SHEET NO. 2
	PLOT SCALE = 1:1	CHECKED - RPD	REVISED -		REVISED -	SCALE:	SHEET NO. 1	OF 1 SHEETS	STA.	TO STA.	CONTRACT NO. 64G80	
PLOT DATE = 11/30/2012	DATE -	REVISED -	REVISED -					ILLINOIS FED. AID PROJECT				

HORIZONTAL AND VERTICAL CONTROL

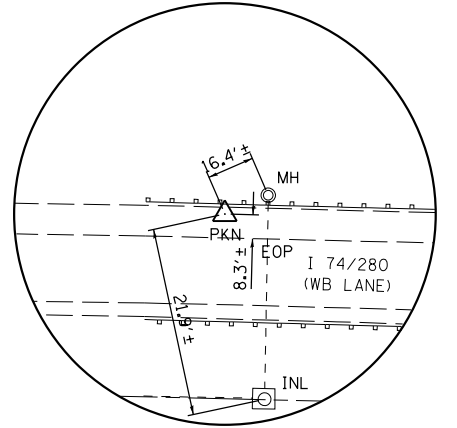
Beginning chain I74 description
 =====
 P.T. Station 707+52.35 N 1,738,705.4423 E 2,249,157.2699
 Course from PT 360 to PC 1260 S 88° 38' 49.71" E Dist 2,680.2247'
 P.C. Station 734+32.58 N 1,738,642.1632 E 2,251,836.7475
 =====
 Ending chain I74 description

HORIZONTAL CONTROL POINTS							
POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
1	1738995.0985	2250133.7120	614.9761	I74	717+21.68	312.6289' LT	GPS CONTROL POINT, NAIL
2	1738961.1026	2249969.0062	621.1642	I74	715+57.83	274.7538' LT	GPS CONTROL POINT, NAIL
3	1738978.5623	2249840.6126	619.8058	I74	714+29.06	289.1773' LT	GPS CONTROL POINT, NAIL
4	1738757.6608	2249662.7225	679.1577	I74	712+56.43	64.1375' LT	GPS CONTROL POINT, PK NAIL
5	1738418.7802	2250089.1449	618.3120	I74	716+90.74	264.581' RT	GPS CONTROL POINT, NAIL
6	1738598.8377	2249817.7867	677.5721	I74	714+15.20	90.9804' RT	GPS CONTROL POINT, NAIL

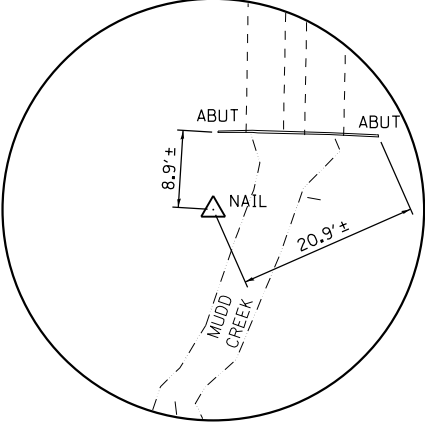
SURVEY WORK POINTS							
POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
100	1739036.3320	2250080.3694	611.3674	I74	716+67.38	352.5915' LT	TOPO SURVEY POINT, NAIL
101	1738313.0887	2250091.8799	613.9309	I74	716+95.96	370.1785' RT	TOPO SURVEY POINT, NAIL



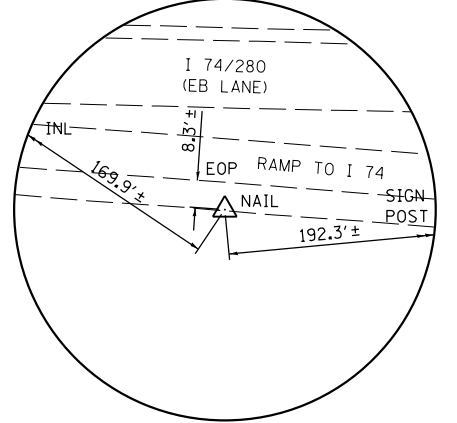
CONTROL POINT #1



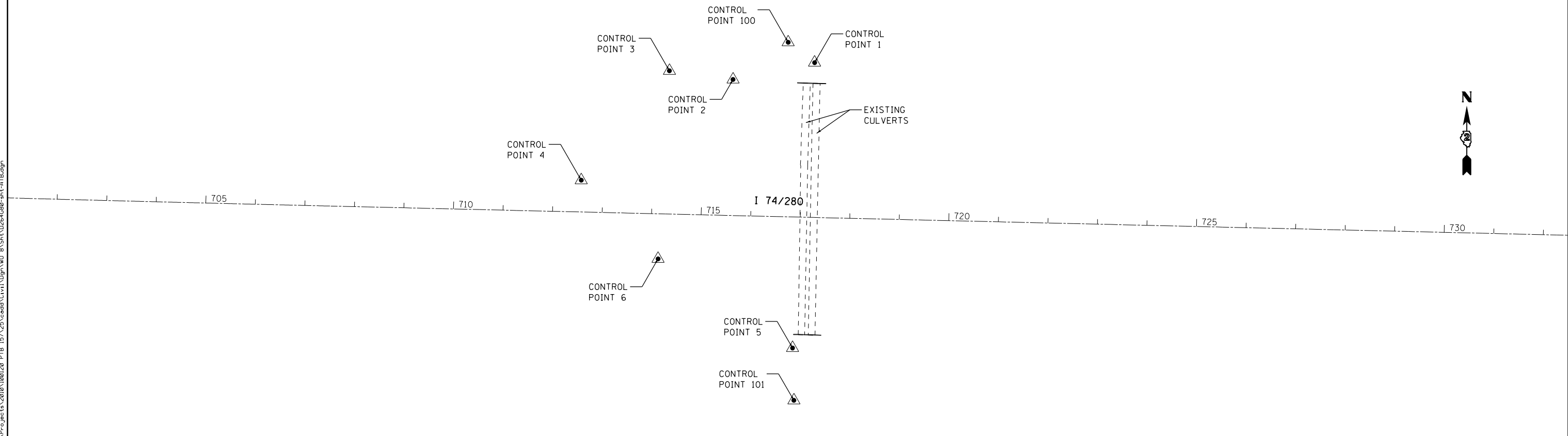
CONTROL POINT #4



CONTROL POINT #5



CONTROL POINT #6



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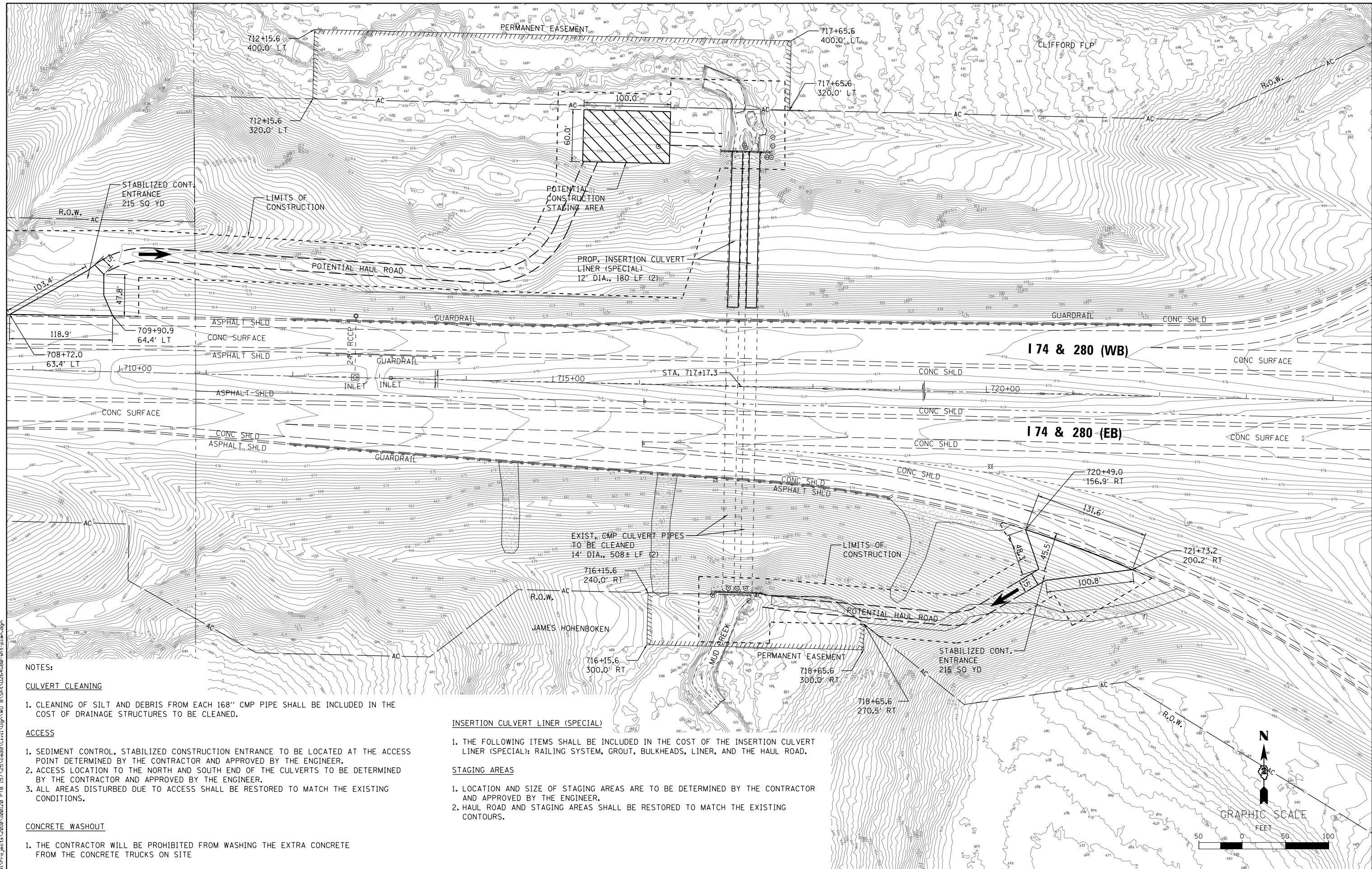
WBK WILLS BURKE KELSEY ASSOCIATES LTD.
 116 West Main Street, Suite 201
 St. Charles, Illinois 60174

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	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

HVC SHEET			
SCALE: 1"=100'	SHEET NO. 1	OF 1 SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74/280	(37-2-1)M	HENRY	27	4
CONTRACT NO. 64G80				
ILLINOIS FED. AID PROJECT				



NOTES:

CULVERT CLEANING

1. CLEANING OF SILT AND DEBRIS FROM EACH 168" CMP PIPE SHALL BE INCLUDED IN THE COST OF DRAINAGE STRUCTURES TO BE CLEANED.

ACCESS

1. SEDIMENT CONTROL, STABILIZED CONSTRUCTION ENTRANCE TO BE LOCATED AT THE ACCESS POINT DETERMINED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER.
2. ACCESS LOCATION TO THE NORTH AND SOUTH END OF THE CULVERTS TO BE DETERMINED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER.
3. ALL AREAS DISTURBED DUE TO ACCESS SHALL BE RESTORED TO MATCH THE EXISTING CONDITIONS.

CONCRETE WASHOUT

1. THE CONTRACTOR WILL BE PROHIBITED FROM WASHING THE EXTRA CONCRETE FROM THE CONCRETE TRUCKS ON SITE

INSERTION CULVERT LINER (SPECIAL)

1. THE FOLLOWING ITEMS SHALL BE INCLUDED IN THE COST OF THE INSERTION CULVERT LINER (SPECIAL): RAILING SYSTEM, GROUT, BULKHEADS, LINER, AND THE HAUL ROAD.

STAGING AREAS

1. LOCATION AND SIZE OF STAGING AREAS ARE TO BE DETERMINED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER.
2. HAUL ROAD AND STAGING AREAS SHALL BE RESTORED TO MATCH THE EXISTING CONTOURS.

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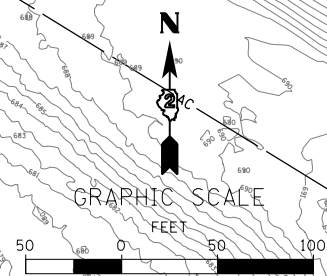
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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GENERAL PLAN

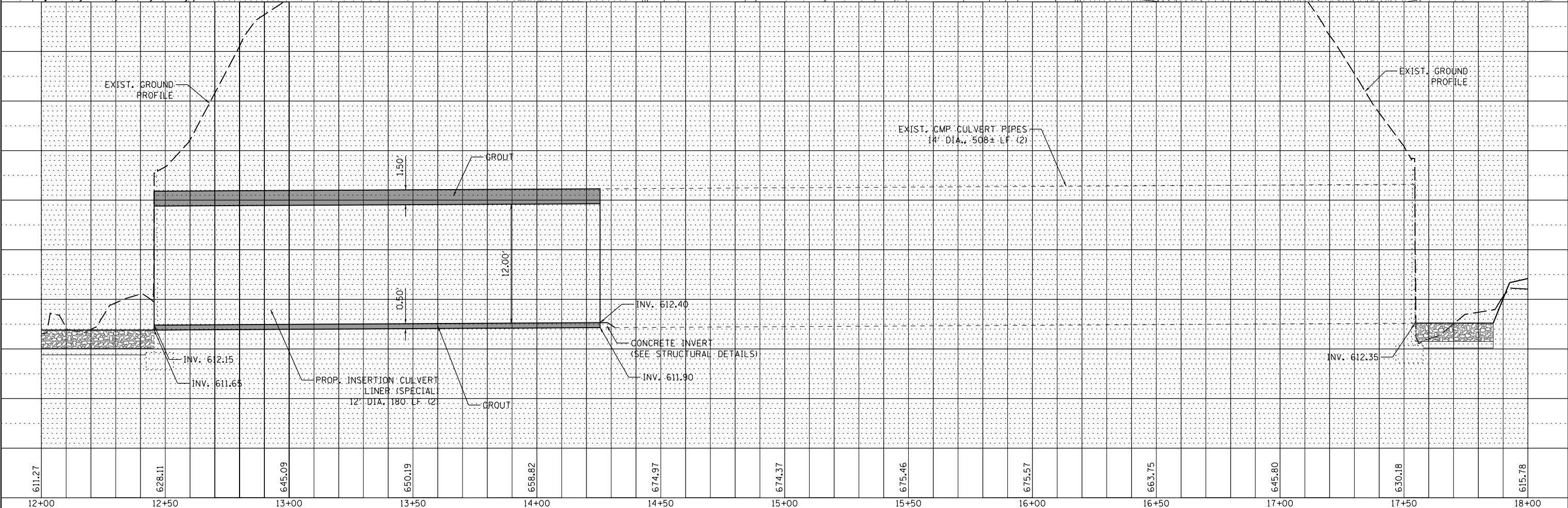
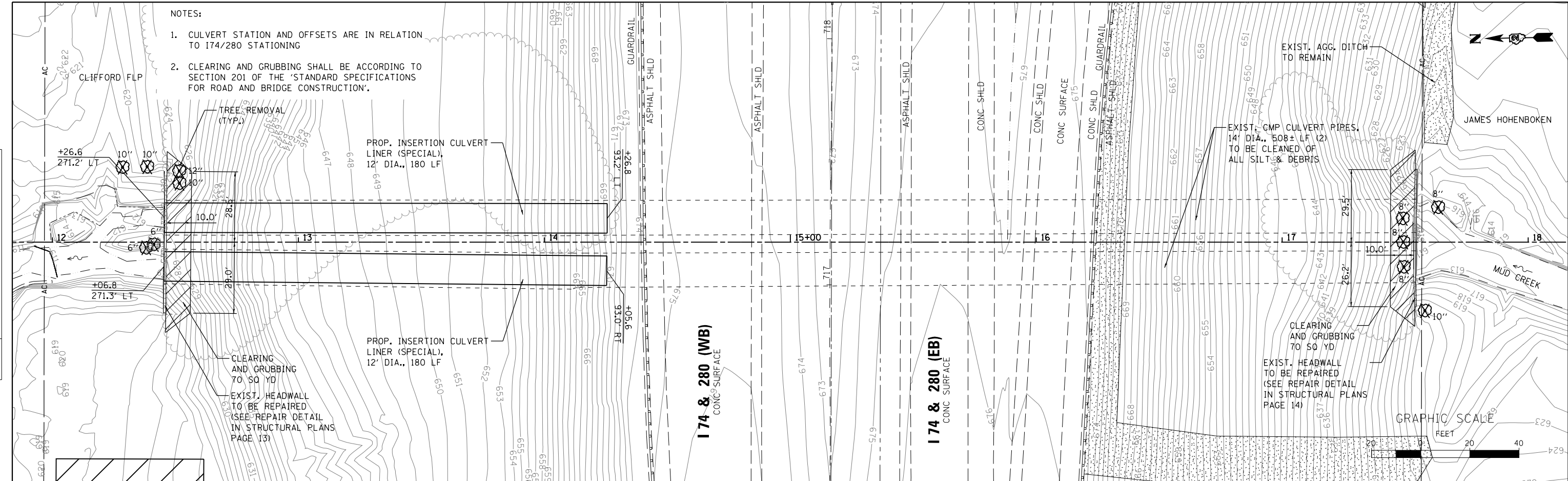
SCALE: 1"=50' SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE. 74/280	SECTION (37-2-1M)	COUNTY HENRY	TOTAL SHEETS 27	SHEET NO. 5
CONTRACT NO. 64G80				
ILLINOIS FED. AID PROJECT				



PLAN	SURVEYED	DATE
	PLOTTED	BY
	NOTE BOOK	
	NO.	
	CHECKED	
	FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	NOTE BOOK	
	NO.	
	CHECKED	
	FILE NAME	



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12+00	12+50	13+00	13+50	14+00	14+50	15+00	15+50	16+00	16+50	17+00	17+50	18+00

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 St. Charles, Illinois 60174

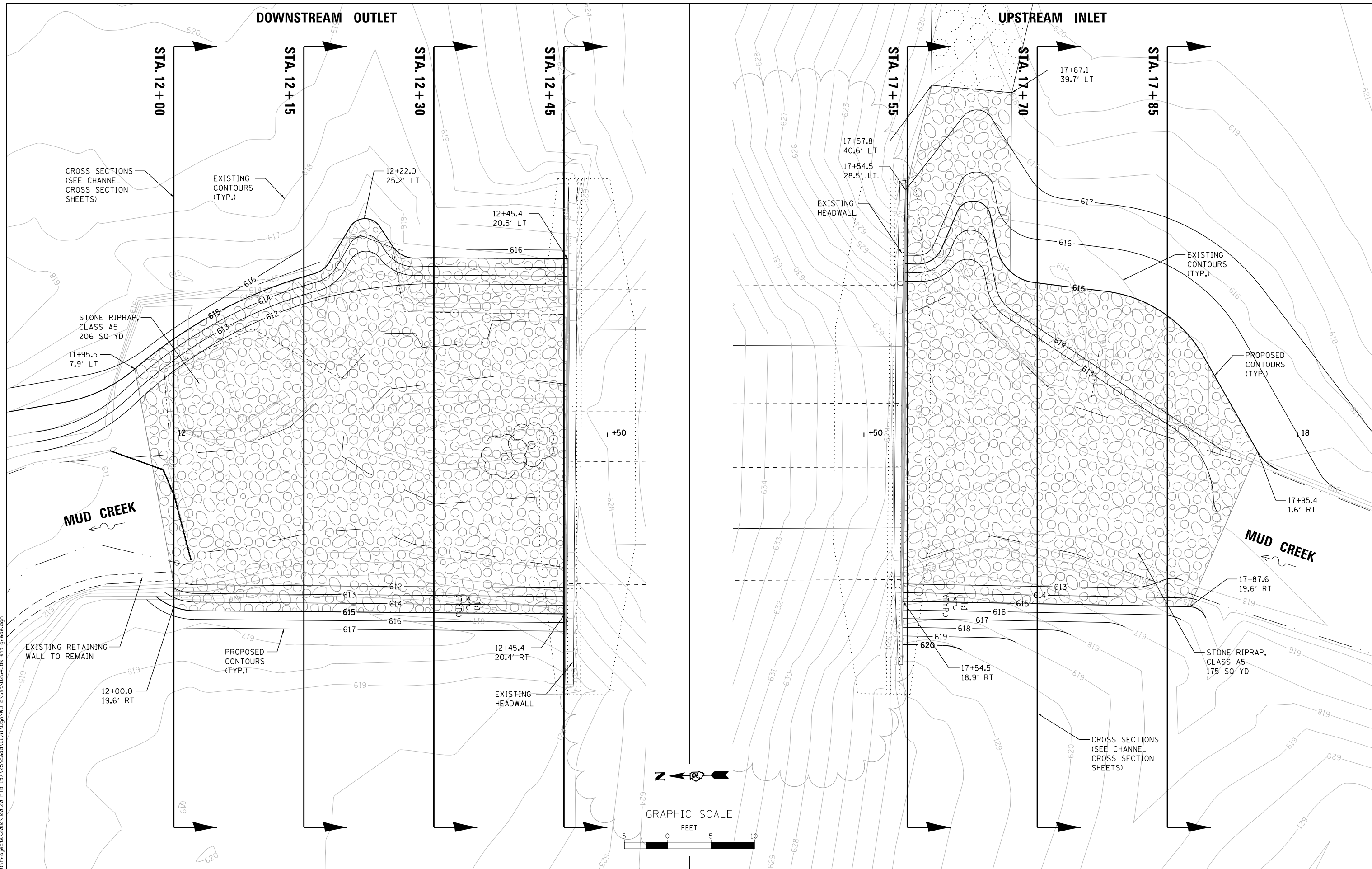
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PLAN & PROFILE

SCALE: 1"=20' SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE. 74/280	SECTION (37-2-1M)	COUNTY HENRY	TOTAL SHEETS 27	SHEET NO. 6
CONTRACT NO. 64G80			ILLINOIS FED. AID PROJECT	



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 St. Charles, Illinois 60174

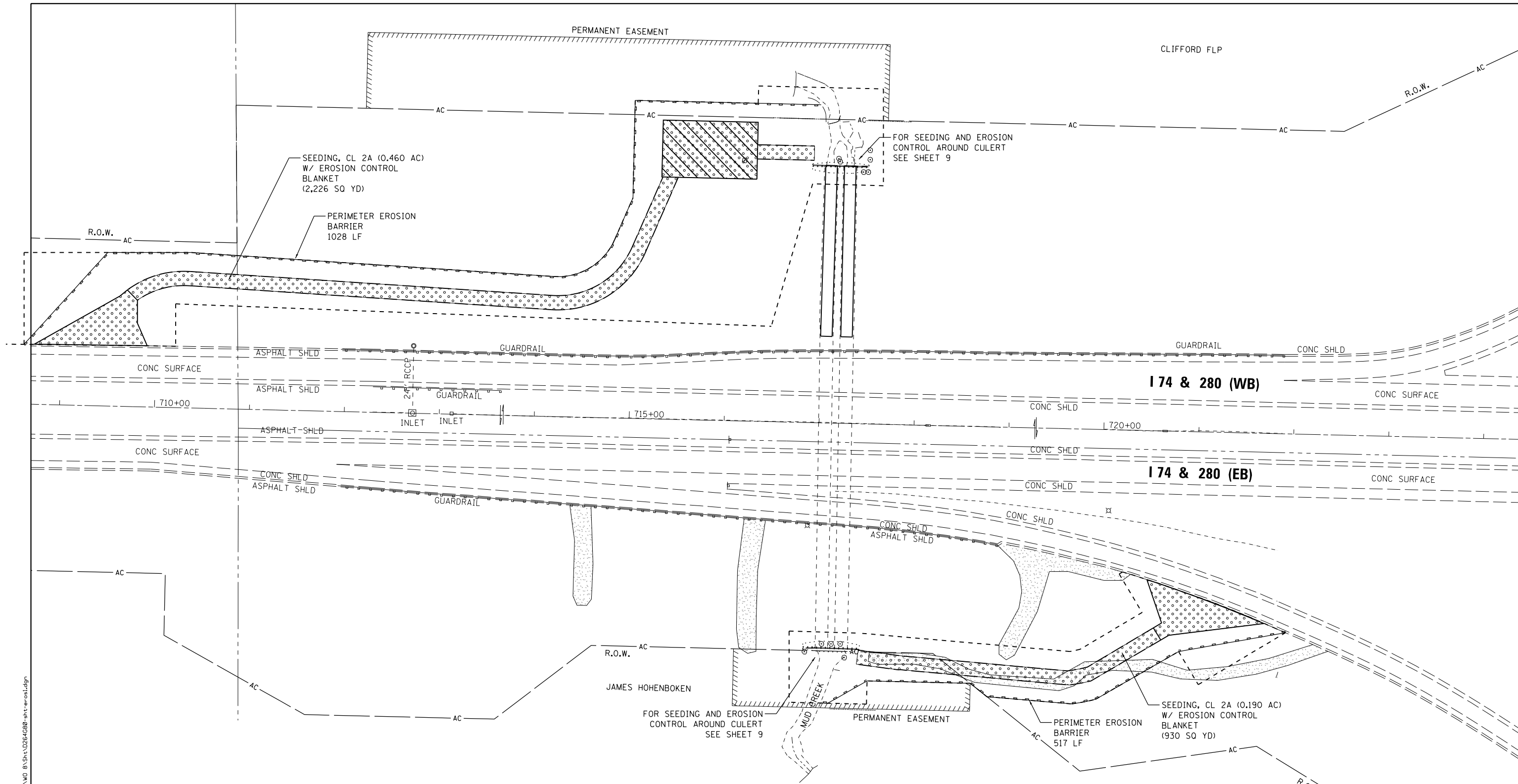
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DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GRADING PLAN

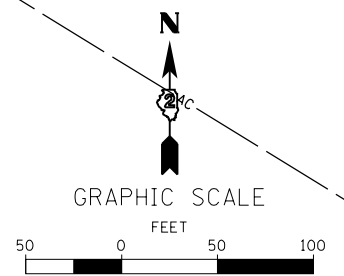
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F.A.I. RTE. 74/280	SECTION (37-2-1M)	COUNTY HENRY	TOTAL SHEETS 27	SHEET NO. 7
CONTRACT NO. 64G80				
ILLINOIS FED. AID PROJECT				



NOTES:

1. THE PERIMETER EROSION BARRIER SHALL BE PLACED PRIOR TO CONSTRUCTION OF THE HAUL ROADS. LOCATION OF PERIMETER EROSION BARRIER TO BE APPROVED BY THE ENGINEER.
2. TREES SHALL BE PLACED AT A LOCATION APPROVED BY THE ENGINEER.
3. HAUL ROAD AND STAGING AREAS SHALL BE RESTORED TO EXISTING CONDITIONS.



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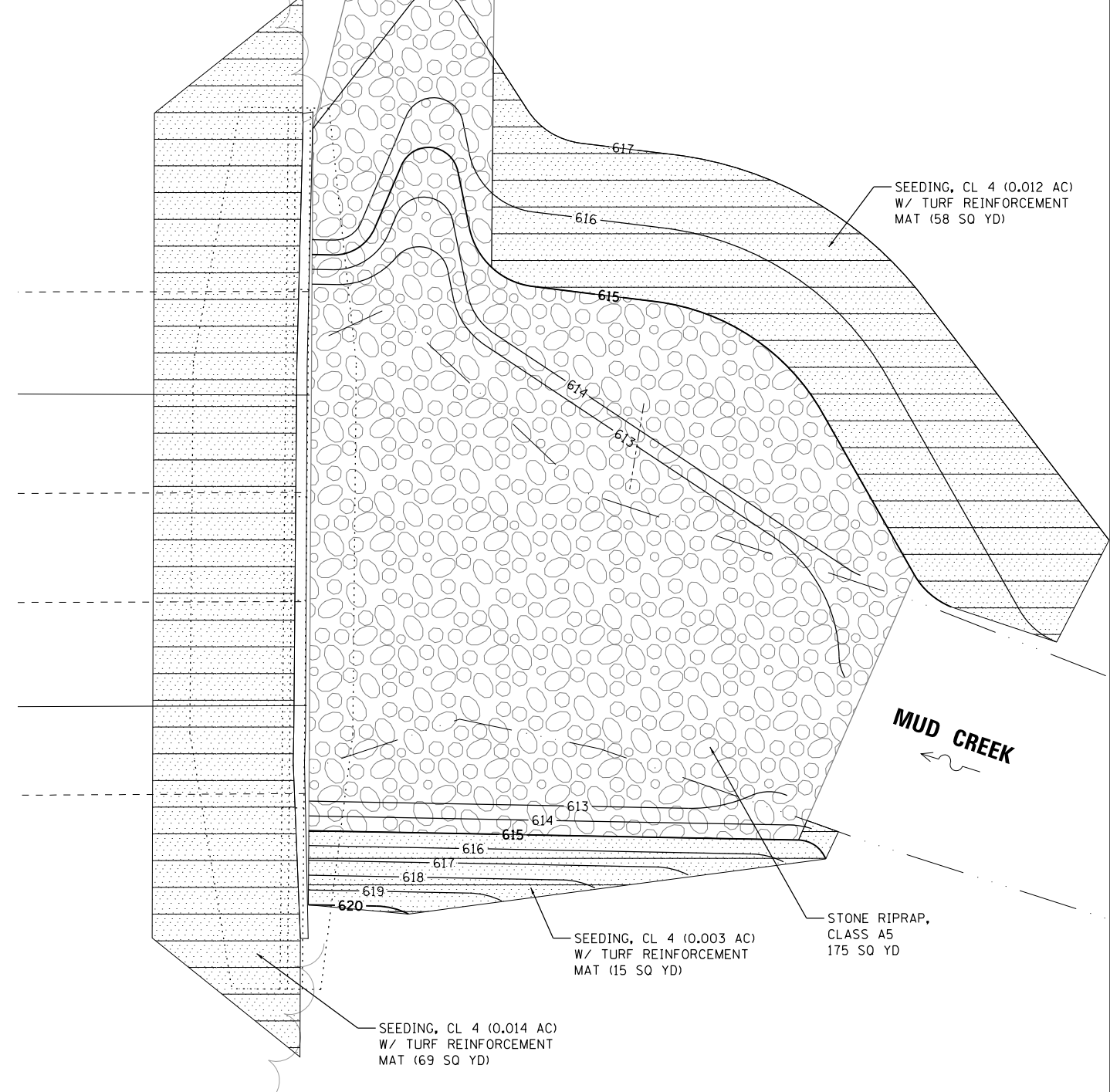
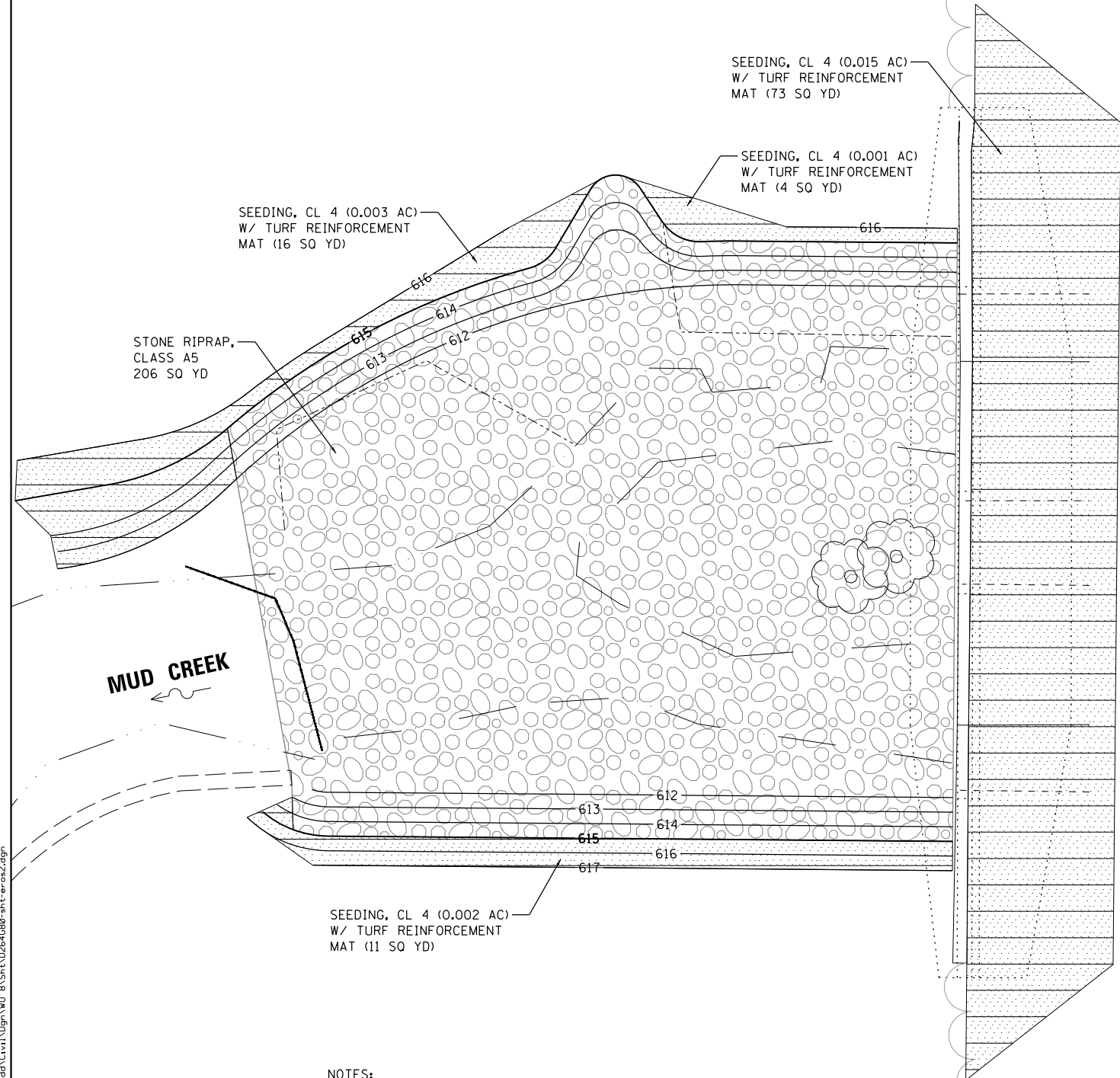
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL & SEEDING PLAN	
SCALE: 1"=50'	SHEET NO. 1 OF 2 SHEETS STA. TO STA.

F.A.I. RTE. 74/280	SECTION (37-2-1M)	COUNTY HENRY	TOTAL SHEETS 27	SHEET NO. 8
CONTRACT NO. 64680				
ILLINOIS FED. AID PROJECT				

DOWNSTREAM OUTLET

UPSTREAM INLET



NOTES:

1. DURING THE DIVERSION OF MUD CREEK THROUGH ONE CULVERT THE CONTRACTOR SHALL EXCAVATE AND PLACE RIPRAP A5 WHILE NO FLOW IS ENTERING OR LEAVING THE CULVERT.
2. TURF REINFORCEMENT MAT SHALL BE PLACED PRIOR TO FLOW THROUGH THE CULVERT AND AFTER THE CULVERT INSERTION LINER HAS BEEN INSTALLED.



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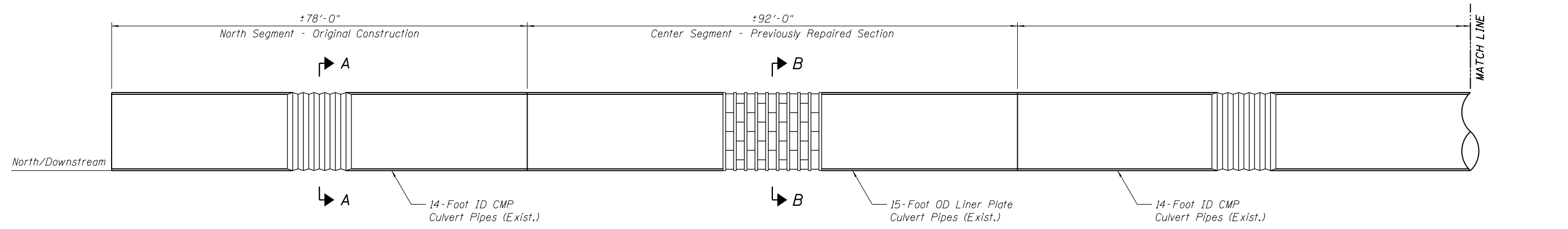
WBK
WILLS BURKE KELSEY ASSOCIATES LTD.
 116 West Main Street, Suite 201
 St. Charles, Illinois 60174

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PLOT DATE = 1/29/2013	CHECKED - RPD	REVISED -
	DATE -	REVISED -

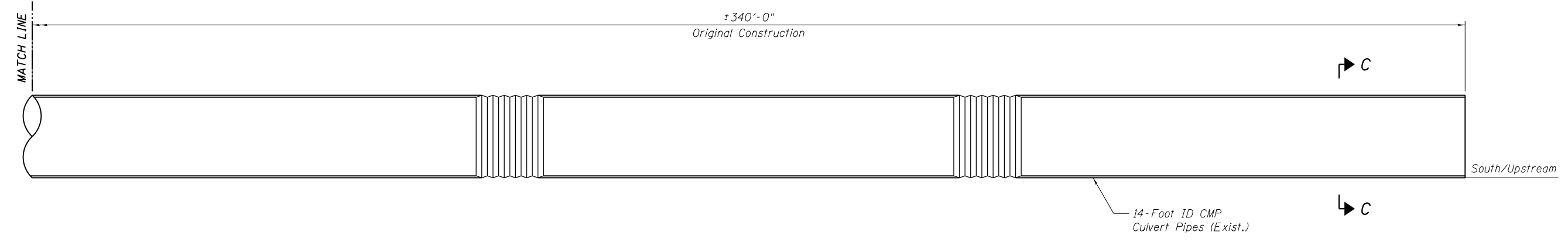
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL & SEEDING PLAN	
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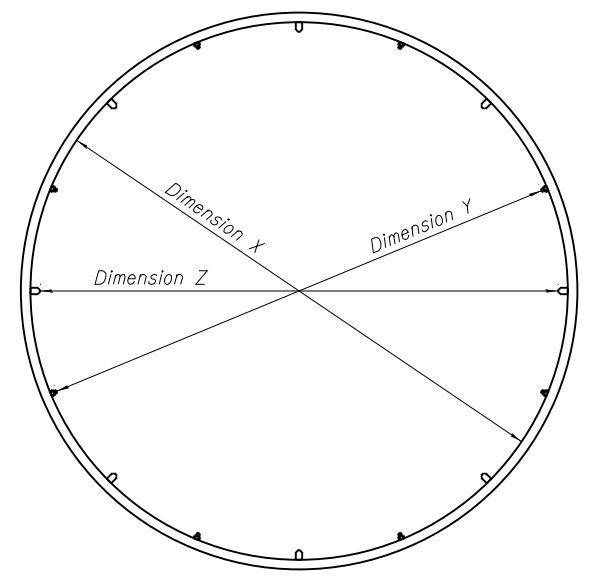
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CONTRACT NO. 64G80				
ILLINOIS FED. AID PROJECT				



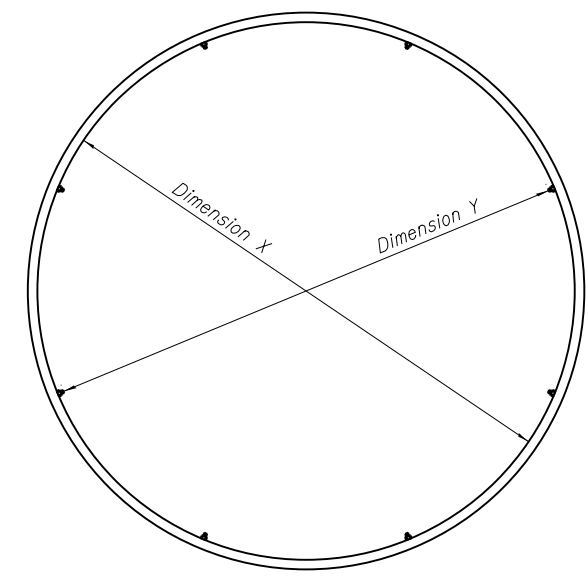
ELEVATION
Looking East



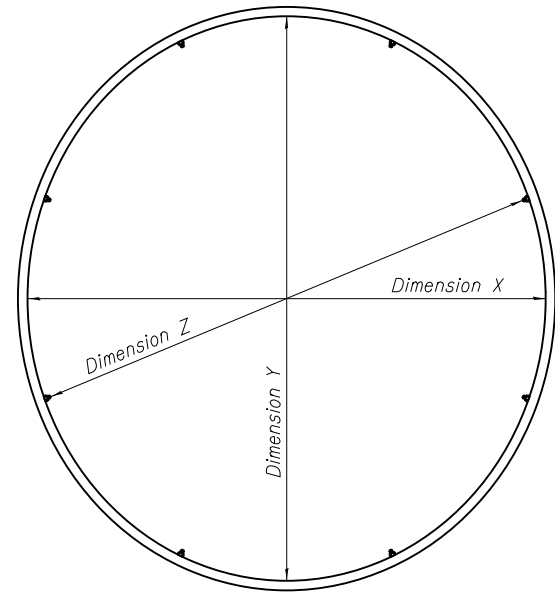
ELEVATION
Looking East



SECTION A-A



SECTION B-B



SECTION C-C

Segment A - Inside Clearances/Dimensions		
Dimension X	Clearance Inside Wall	14'-1"
Dimension Y	Clearance Between Bolts	13'-11"
Dimension Z	Clearance Between Grout Plugs	13'-9"

Segment B - Inside Clearances/Dimensions		
Dimension X	Clearance Inside Wall	14'-8"
Dimension Y	Clearance Between Bolts	14'-3"

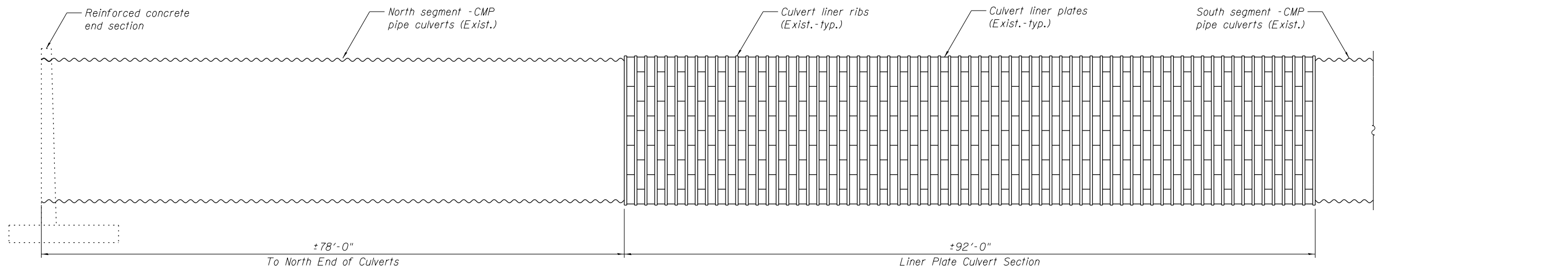
Segment C - Inside Clearances/Dimensions			
		East Culvert	West Culvert
Dimension X	Clearance Inside Wall @ South End - Width	13'-5"	13'-0"
Dimension Y	Clearance Inside Wall @ South End - Height	14'-7"	14'-11"
Dimension Z	Clearance Between Bolts	14'-3"	14'-3"

GENERAL NOTES

1. There are three (3) distinct segments along the length of the culvert pipes. The first segment at the north, approximately 78 feet in length, is original construction of 14-foot ID CMP culverts. The second segment, approximately 92 feet in length, was previously repaired with 15-foot OD liner plates and the annular voids between the liner plates and the original pipe culvert sections were filled with grout. The third segment at the south, approximately 340 feet in length, is original construction of 14-foot ID ellipsed CMP culverts.
2. Dimensions shown in section tables are field measured dimensions of existing conditions.

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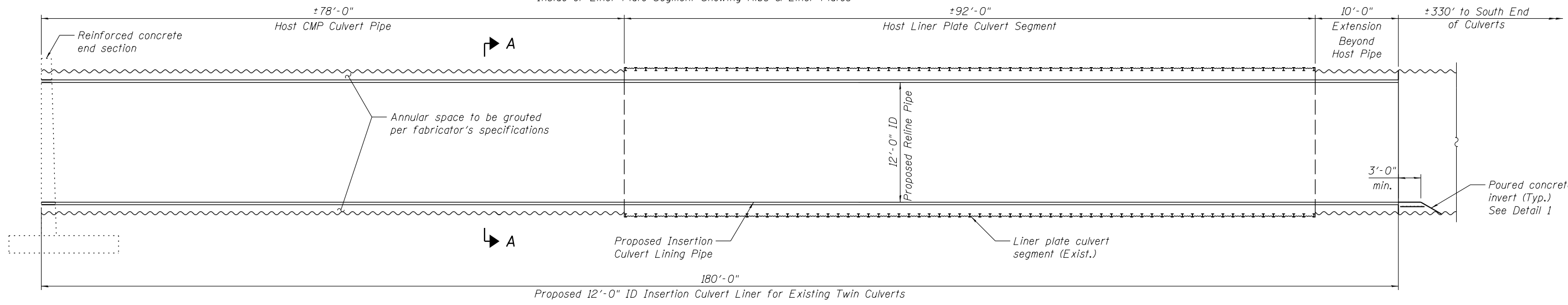
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ELEVATION

(Looking East)

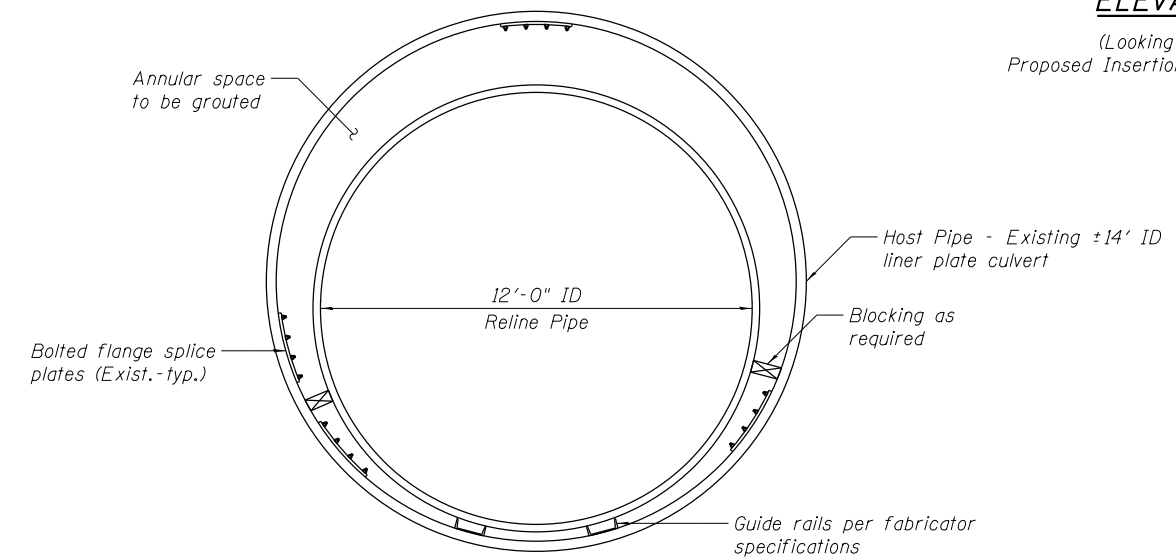
Inside of Liner Plate Segment Showing Ribs & Liner Plates



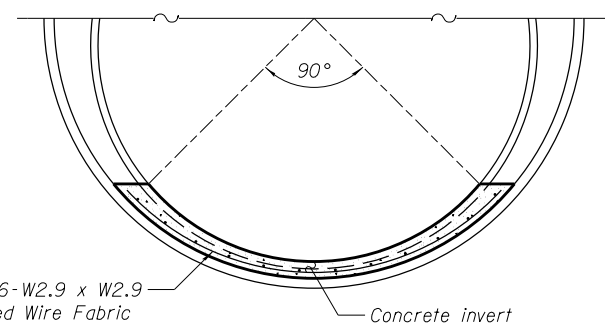
ELEVATION

(Looking East)

Proposed Insertion Culvert Lining



SECTION A-A



DETAIL 1

NOTES

1. The reinforced concrete inverts for the new culvert linings will not be paid for separately, but shall be included in the cost for Insertion Culvert Lining (Special).
2. Concrete for the reinforced concrete inverts shall be Class SI.
3. Welded wire reinforcement shall conform to the Standard Specifications.

WBK
WILLS BURKE KELSEY ASSOCIATES LTD.
 116 West Main Street, Suite 201
 St. Charles, Illinois 60174

USER NAME = nparris	DESIGNED - DLS	REVISED -
PLOT SCALE =	CHECKED - AEU	REVISED -
PLOT DATE = 1/29/2013	DRAWN - DLS	REVISED -
	CHECKED - AEU	REVISED -

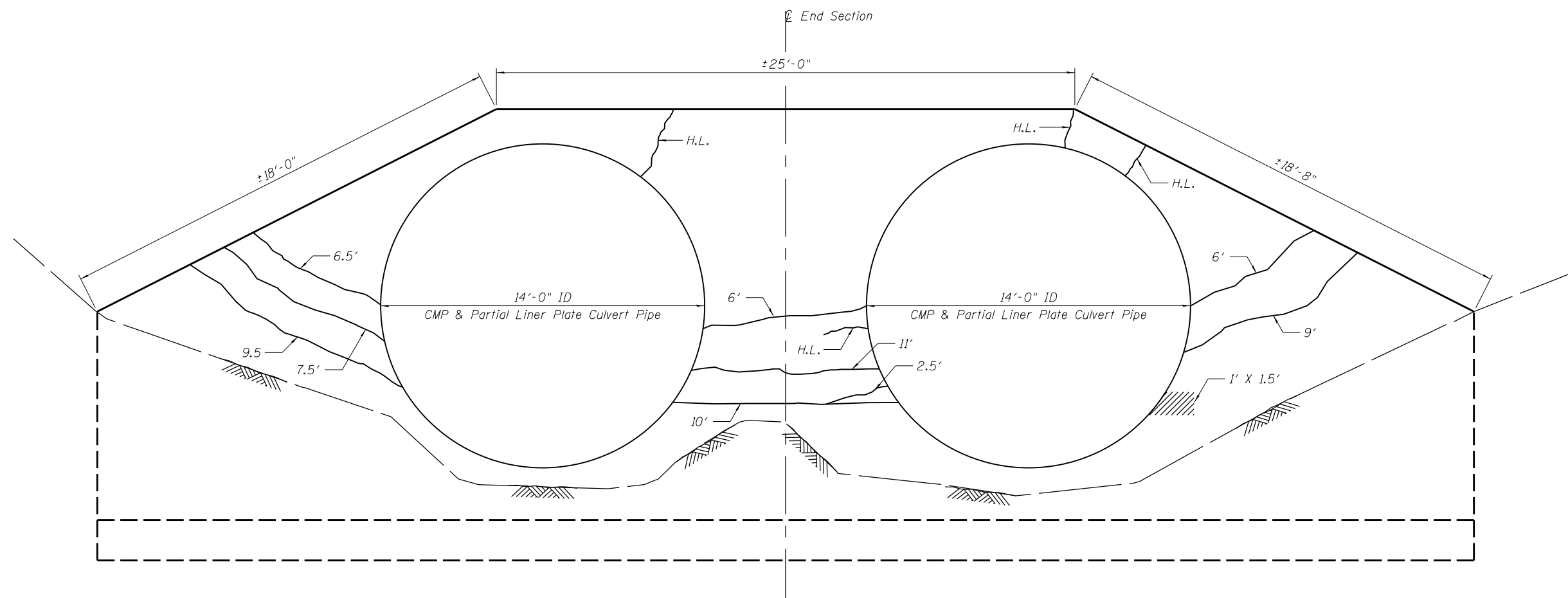
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INSERTION CULVERT LINING DETAILS
STRUCTURE NO. 037-2008

SHEET NO. 3 OF 5 SHEETS

F.A.I. RTE. 74/280	SECTION (37-2-1)M	COUNTY HENRY	TOTAL SHEETS 26	SHEET NO. 12
CONTRACT NO. 64G80			ILLINOIS FED. AID PROJECT	

FILE NAME = W:\Projects\2010\100120 PTB 157\25\cadd\Structural\Drawn\0 - 280 over Mud Creek\Cross Check Plans\0372008-64G80-004-Repair-Dtls-NorthEndSection.dgn



LEGEND

- Structural Repair of Concrete (Depth Equal To Or Less Than 5 Inches)
- 6' Epoxy Crack Injection
- H.L. Hairline Crack - Not to be sealed
- Existing ground line

**NORTH END SECTION
(DOWNSTREAM)**

BILL OF MATERIAL

ITEM	UNIT	TOTAL
Epoxy Crack Injection	Foot	100
Structural Repair of Concrete (Depth Equal To Or Less Than 5 Inches)	Sq. Ft.	10

NOTES

1. Repair quantities have been estimated based on a field inspection. The quantities given in the Bill of Material have been increased to account for changes from the time of inspection to construction. Structural repairs to the end section will be approved by the Engineer and the Contractor will be paid for the actual quantities of the repairs.

WILLS BURKE KELSEY ASSOCIATES LTD.
 116 West Main Street, Suite 201
 St. Charles, Illinois 60174

USER NAME = nparris	DESIGNED - DLS	REVISED -
PLOT SCALE =	CHECKED - AEU	REVISED -
PLOT DATE = 1/29/2013	DRAWN - DLS	REVISED -
	CHECKED - AEU	REVISED -

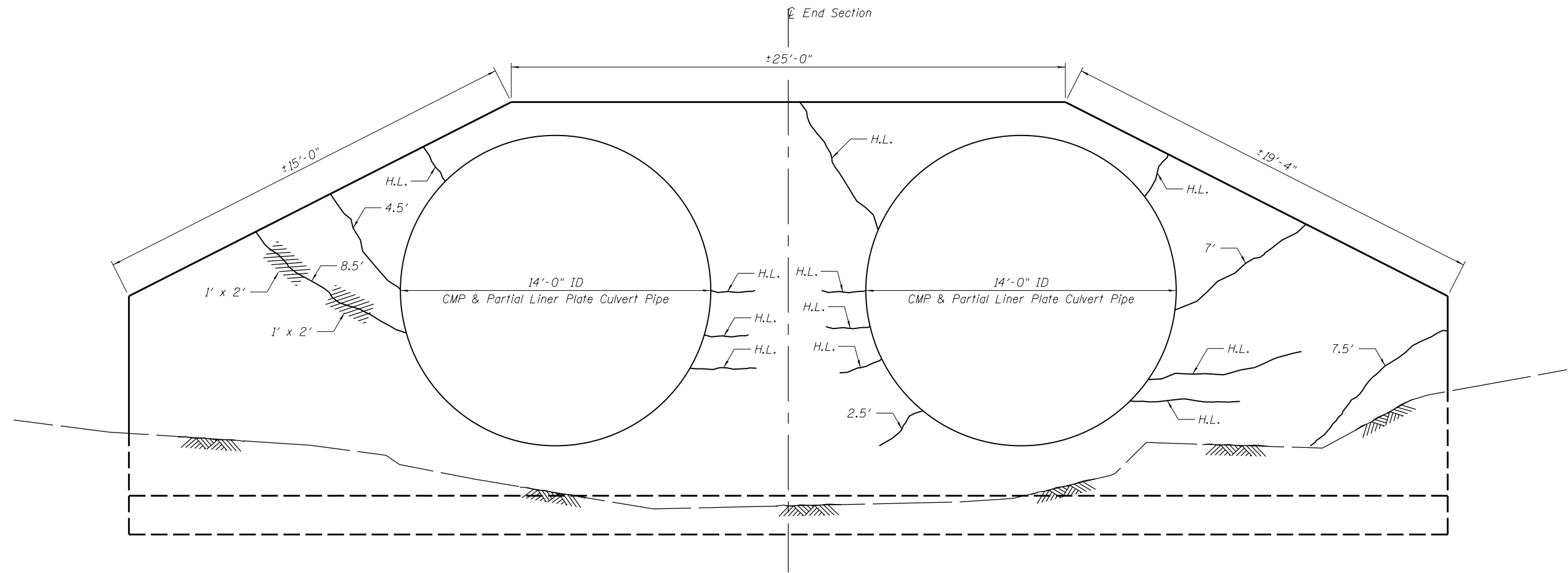
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**REPAIR DETAILS - NORTH END SECTION
STRUCTURE NO. 037-2008**

SHEET NO. 4 OF 5 SHEETS

F.A.I. RTE. 74/280	SECTION (37-2-1)M	COUNTY HENRY	TOTAL SHEETS 26	SHEET NO. 13
CONTRACT NO. 64G80			ILLINOIS FED. AID PROJECT	

FILE NAME = W:\Projects\2010\100120 PTB 157\25\cadd\Structural\Drawn\0 - 280 over Mud Creek\Cross Check Plans\0372008-64G80-005-Repair-D1s-SouthEndSection.dgn



**SOUTH END SECTION
(UPSTREAM)**

LEGEND

- Structural Repair of Concrete (Depth Equal To Or Less Than 5 Inches)
- 6' Epoxy Crack Injection
- H.L. Hairline Crack - Not to be sealed
- Existing ground line

BILL OF MATERIAL

ITEM	UNIT	TOTAL
Epoxy Crack Injection	Foot	70
Structural Repair of Concrete (Depth Equal To Or Less Than 5 Inches)	Sq. Ft.	10

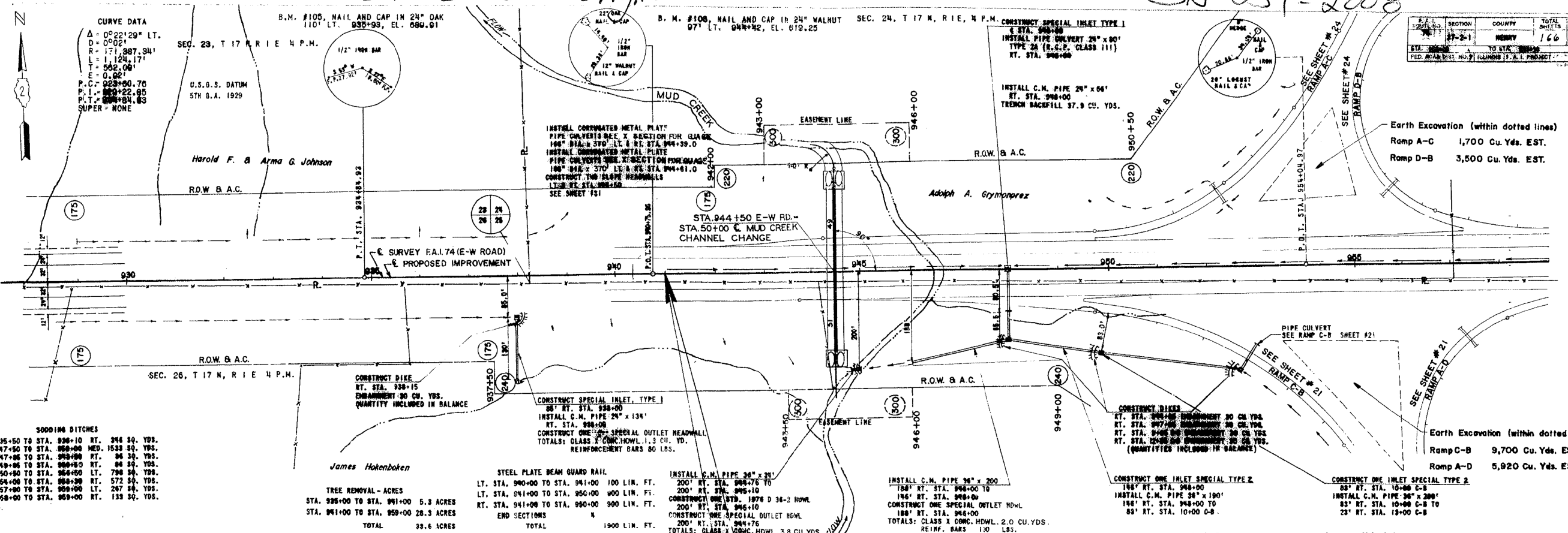
NOTES

1. Repair quantities have been estimated based on a field inspection. The quantities given in the Bill of Material have been increased to account for changes from the time of inspection to construction. Structural repairs to the end section will be approved by the Engineer and the Contractor will be paid for the actual quantities of the repairs.

037-2008 Originals

SN 037-2008

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
37-2-1	HENRY	166	8



5000' BENCH

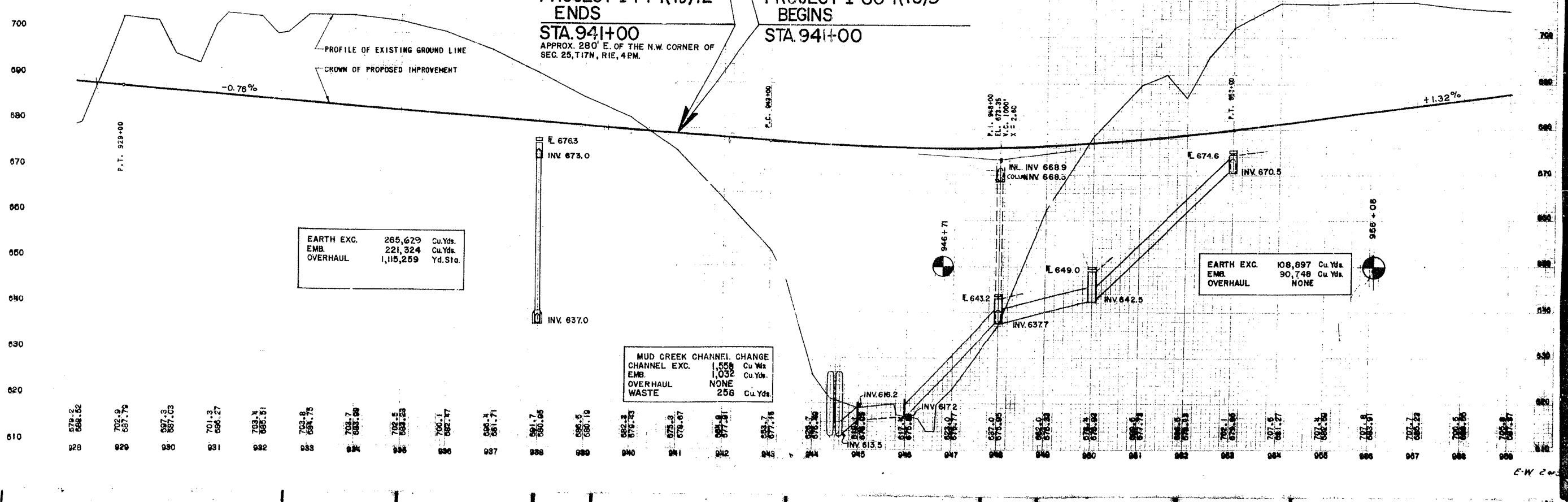
STA. 925+50 TO STA. 926+10	RT.	246	50	YDS.
STA. 927+50 TO STA. 928+00	MED.	1533	50	YDS.
STA. 927+50 TO STA. 928+00	RT.	86	50	YDS.
STA. 928+50 TO STA. 929+00	RT.	86	50	YDS.
STA. 929+50 TO STA. 930+00	LT.	798	50	YDS.
STA. 930+50 TO STA. 931+00	RT.	572	50	YDS.
STA. 931+50 TO STA. 932+00	LT.	287	50	YDS.
STA. 932+50 TO STA. 933+00	RT.	139	50	YDS.

TREE REMOVAL - ACRES

STA. 926+00 TO STA. 931+00	5.3	ACRES
STA. 931+00 TO STA. 939+00	28.3	ACRES
TOTAL	33.6	ACRES

PROJECT I-74-1(13)12 ENDS
STA. 941+00
 APPROX. 280' E. OF THE N.W. CORNER OF SEC. 25, T17N, R1E, 4P.M.

PROJECT I-80-1(18)9 BEGINS
STA. 941+00



EARTH EXC.	265,629	Cu.Yds.
EMB.	221,324	Cu.Yds.
OVERHAUL	1,115,259	Yd.Sta.

MUD CREEK CHANNEL CHANGE

CHANNEL EXC.	1,558	Cu.Yds.
EMB.	1,032	Cu.Yds.
OVERHAUL	NONE	
WASTE	256	Cu.Yds.

EARTH EXC.	108,897	Cu.Yds.
EMB.	90,748	Cu.Yds.
OVERHAUL	NONE	

FILE NAME = W:\Projects\2010\100120 PTB 157\25\cadd\Civil\Drawn\8\Shr\0264080-ahf-mascl.dgn

WILLIS BURKE KELSEY ASSOCIATES LTD.
 116 West Main Street, Suite 201
 St. Charles, Illinois 60174

USER NAME = mparris
PLOT SCALE = 1:48
PLOT DATE = 1/29/2013

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

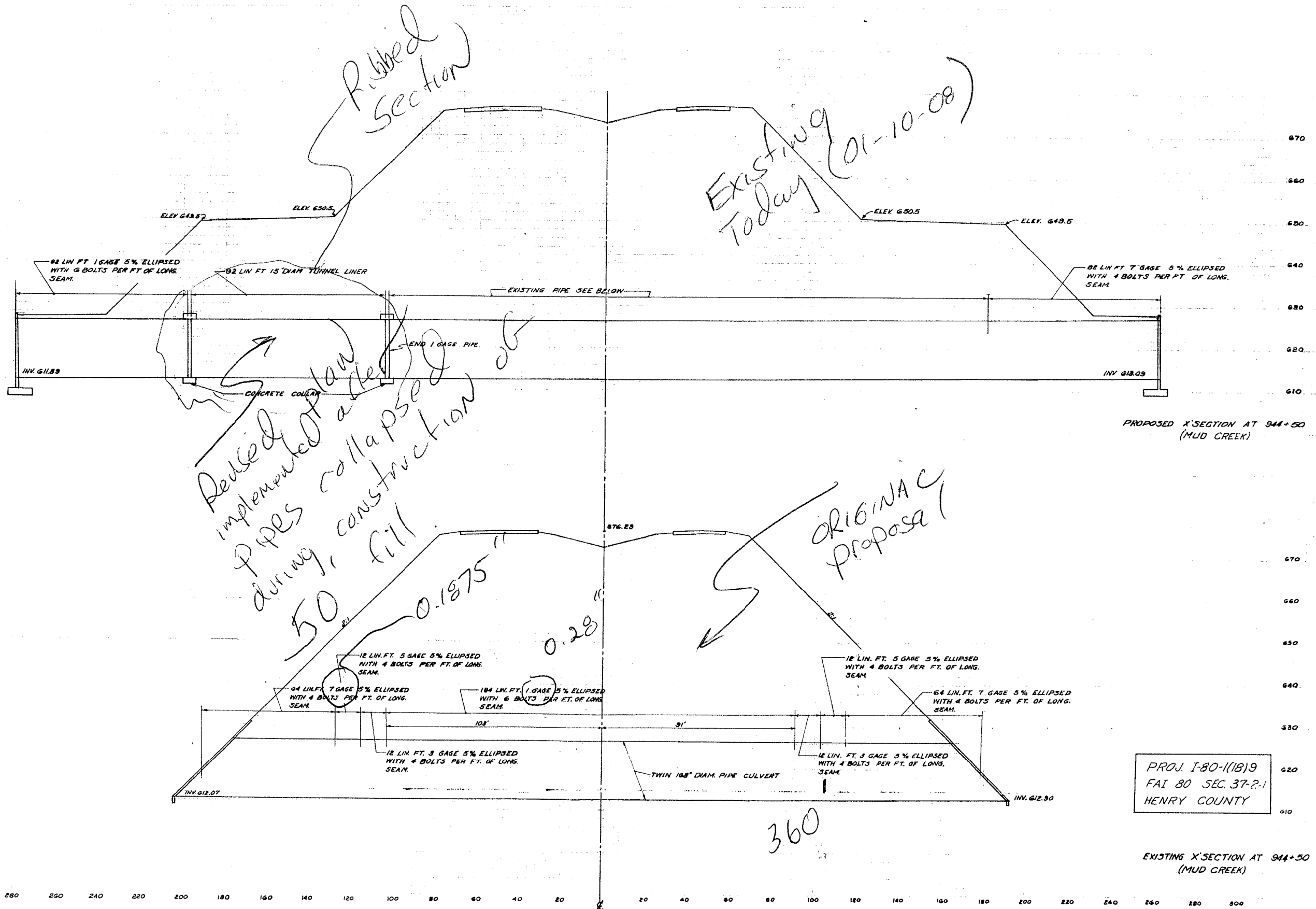
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE PLANS FOR REFERENCE ONLY

SCALE: SHEET NO. 1 OF 7 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74/280	(37-2-1)M	HENRY	27	15
CONTRACT NO.64680				
ILLINOIS FED. AID PROJECT				

FOR REFERENCE ONLY



Revised plan implemented after pipes collapsed during construction of 50' fill.

Existing Today (01-10-08)

ORIGINAL PROPOSED

360

PROJ. I-80-1(18)9
 FAI 80 SEC. 37-2-1
 HENRY COUNTY

EXISTING X-SECTION AT 944+50
 (MUD CREEK)

FILE NAME = W:\Projects\2010\100120 PTB 157\25\cadd\civil\Drawn\0264080-ht-misc2.dgn

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 116 West Main Street, Suite 201
 St. Charles, Illinois 60174

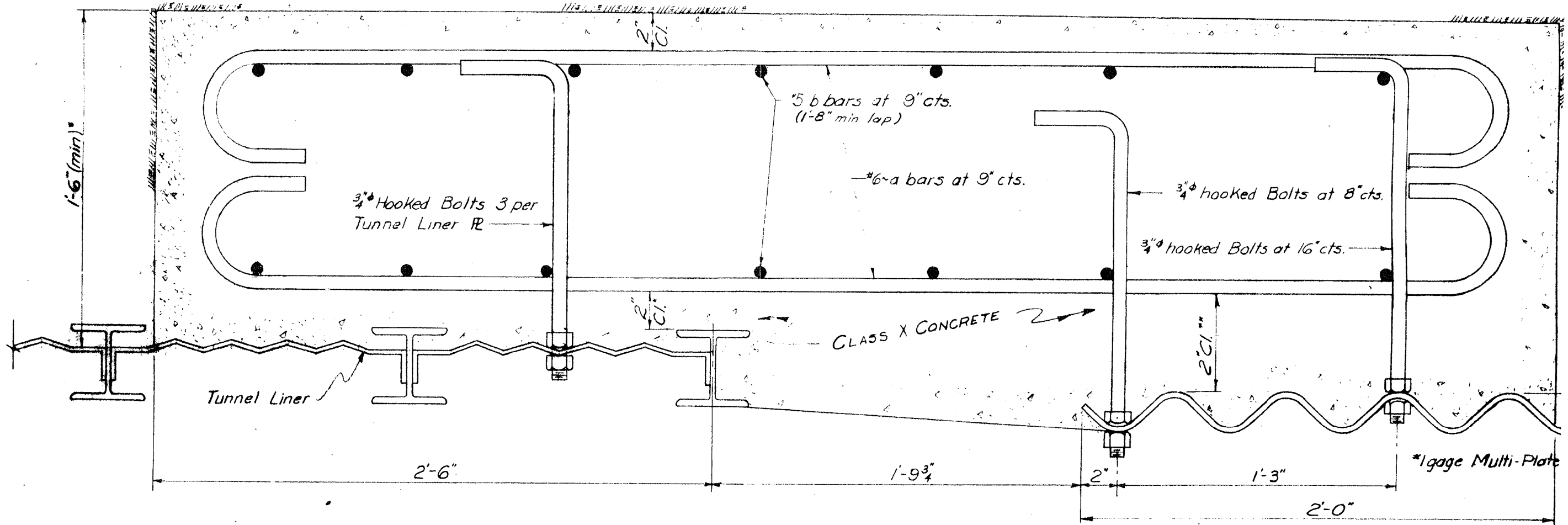
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PLOT SCALE = 1/4"=1'	DRAWN -	REVISED -
PLOT DATE = 1/29/2013	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

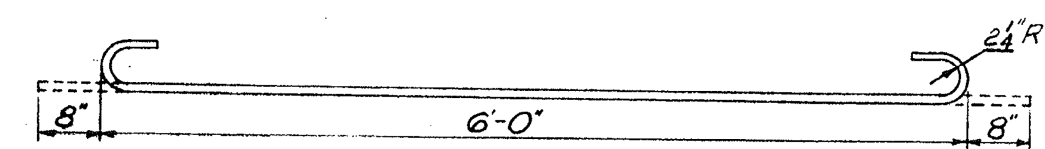
EXISTING STRUCTURE PLANS FOR REFERENCE ONLY	
SCALE:	TO STA.
SHEET NO. 2 OF 7 SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74/280	(37-2-1M)	HENRY	27	16
CONTRACT NO. 64G80			ILLINOIS FED. AID PROJECT	

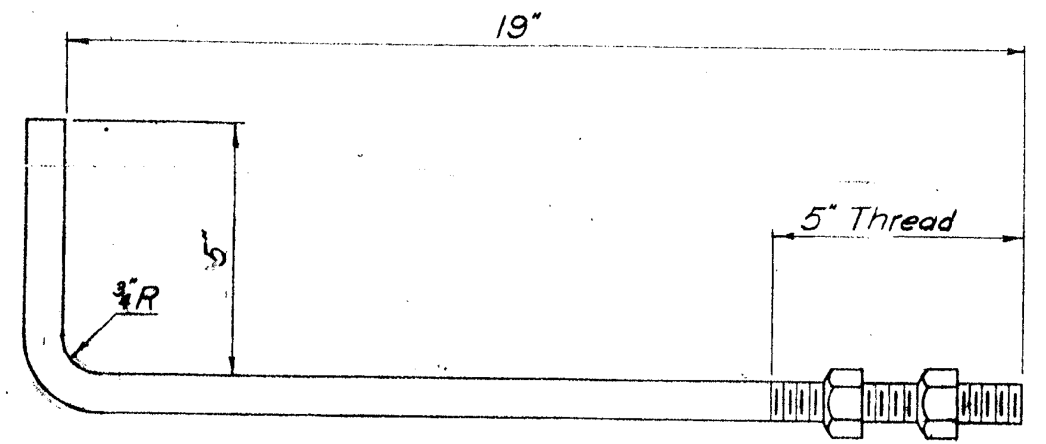
FOR REFERENCE ONLY



SECTION THRU CONCRETE COLLAR



BAR a



NOTES:
 * Control dimensions when tunnel liner is outside Multi-Plate.
 ** Control dimensions when tunnel liner is inside Multi-Plate.

BILL OF MATERIAL (ONE COLLAR)

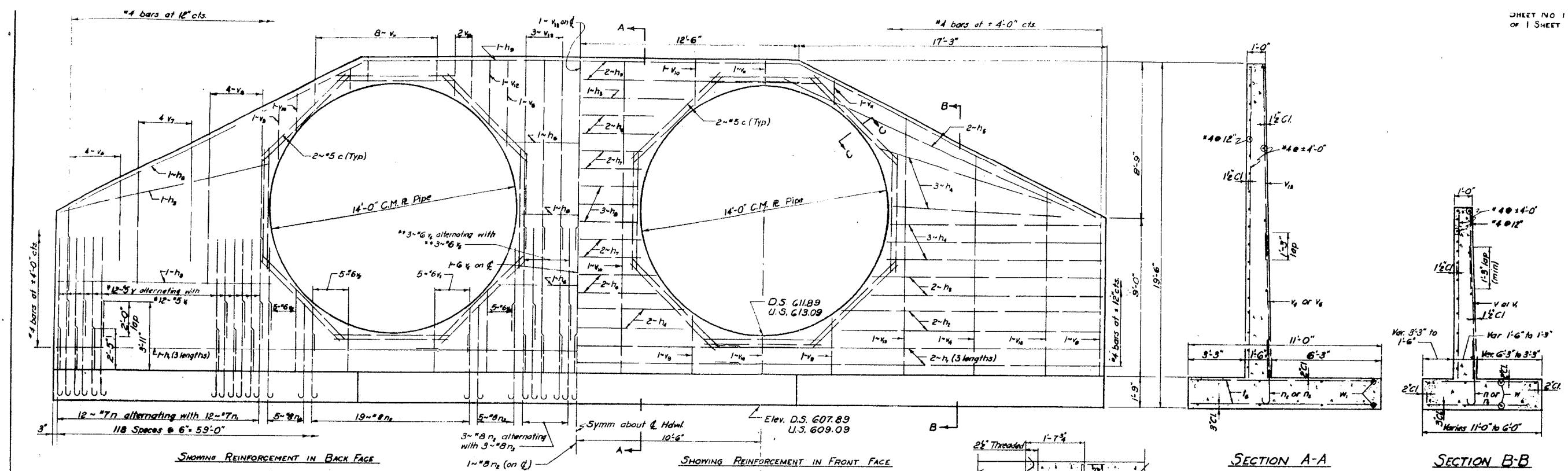
Bar	No.	Size	Length	SI
a	136	#6	7'-4"	C
b	84	#5	10'-4"	--
Class X Concrete			Cu. Yds	20
Reinforcement Bars			Lbs.	24

FILE NAME = W:\Projects\2010\100120 PTB 157\25\cadd\Civil\Dgn\W0 8\Shr\0264080-ahf-misc3.dgn

USER NAME = nparris	DESIGNED -	REVISED -
PLOT SCALE = 1/4"=1'	DRAWN -	REVISED -
PLOT DATE = 1/29/2013	CHECKED -	REVISED -
	DATE -	REVISED -

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74/280	(37-2-1M)	HENRY	27	17
CONTRACT NO. 64G80				
ILLINOIS FED. AID PROJECT				

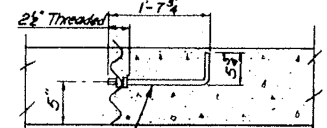
FOR REFERENCE ONLY



STATION 944+50
 BUILT 1962 BY
 STATE OF ILLINOIS
 F.A.I. RT. 80 SEC. 37-2-1
 F.A. PROJ. I-80-1(18)
 LOADING H20-S16 & ALT.
 LETTERING FOR NAME PLATE
 See STD 2113

NOTE:
 *y lapped to n, y lapped to n,
 **y lapped to n, y lapped to n,
 Name Plate to be located on &
 South hdwl 6.0' above streambed.

ELEVATION



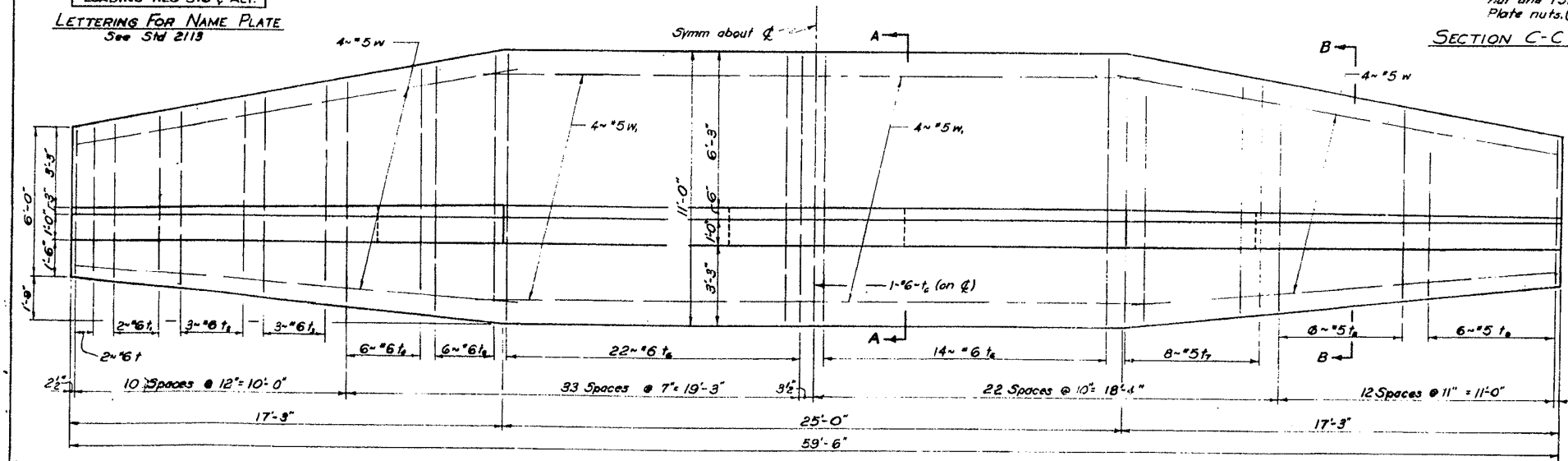
SECTION C-C

SECTION A-A

SECTION B-B

BILL OF REINFORCEMENT (1 HDWL)

Bar No.	Size	Length	Shape	Bar No.	Size	Length	Shape
h ₁	9	20'-6"	---	v ₁	2	4	12'-6"
h ₂	4	14'-3"	---	v ₂	2	4	14'-6"
h ₃	9	12'-9"	---	v ₃	2	4	17'-6"
h ₄	14	11'-6"	---				
h ₅	6	18'-6"	---	n	24	7	4'-9"
h ₆	6	9'-0"	---	n	24	7	6'-5"
h ₇	4	7'-0"	---	n	45	8	5'-0"
h ₈	4	6'-6"	---	n	26	8	6'-6"
h ₉	3	25'-0"	---				
c	32	6'-9"	---	t	4	6	5'-9"
v	24	7'-6"	---	t	4	6	6'-5"
h	24	5'-6"	---	t	6	6	6'-9"
h	20	4'-9"	---	t	6	7	7'-6"
h	20	2'-6"	---	t	12	8	8'-6"
h	7	9'-9"	---	t	12	1	9'-6"
h	6	7'-9"	---	t	73	6	10'-9"
h	10	4'-6"	---	t	18	5	9'-0"
h	8	6'-6"	---	t	12	5	7'-6"
h	10	8'-3"	---	t	12	5	5'-9"
h	6	3'-5"	---	w	16	5	13'-0"
h	10	2'-0"	---	w	8	5	26'-6"
h	20	1'-3"	---				
h	2	3'-6"	---				
h	9	10'-6"	---				



SHOWING REINFORCEMENT IN TOP OF FOOTING

SHOWING REINFORCEMENT IN BOTTOM OF FOOTING

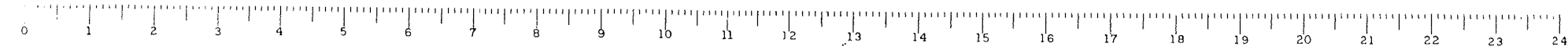
PLAN

BILL OF MATERIAL (1 HDWL)

Item	Unit	Quantity
Class X Concrete	Cu. Yd.	63.5
Reinforcement Bars	Lbs.	5910
Name Plates	Each	1

HEADWALLS FOR 14" C.M.R. PIPE
 PROJECT I-80-1(18) 9
 FAI ROUTE 80 - SECTION 37-2-1
 HENRY COUNTY - STA 944+50
 MUD CREEK

W. Seneff 9/27/62

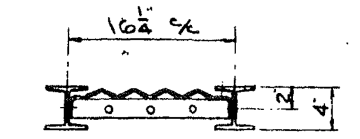
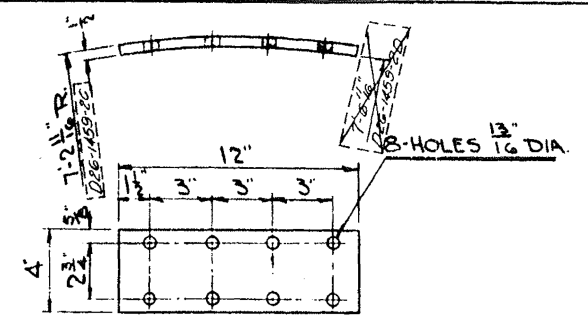
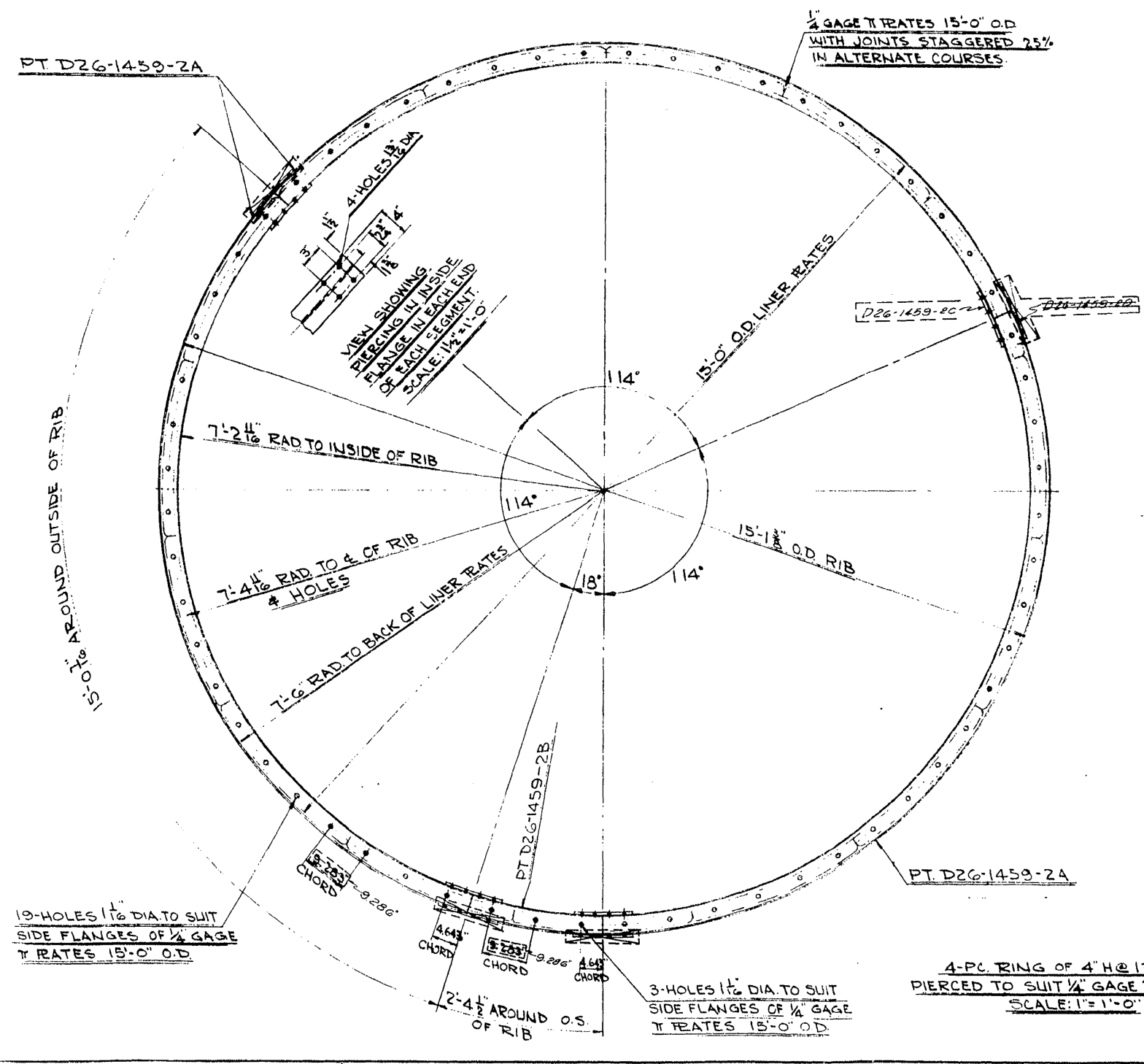


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FOR REFERENCE ONLY

FILE NAME = \\NAF\projects\2010\100120_PTB_157\25\cadd\civil\Drawn\08_Sht\026-1459-2A.dwg

4 H@13" @ 14'-10" MULTS: PT D26-1459-2A	1. CUT TO LGTH. 2. BEND 3. TURN TRIM BIDS 4. PERCE W/BLD 5. PERCE FLANGE
4 H@13" @ 2'-5 1/2" MULTS: PT D26-1459-2B	1. CUT TO LGTH. 2. BEND 3. TURN TRIM BIDS 4. PERCE W/BLD 5. PERCE FLANGE



FLANGE SPLICE RATE
PT D26-1459-2C
SCALE: 1/2" = 1'-0"

LONGITUDINAL SECTION
SHOWING RIB SPACING
SCALE: 1/2" = 1'-0"

GENERAL NOTES:

- RIB TO CONFORM TO TRUE TEMPERATE @ ENDS. INTERMEDIATE PORTION MAY DEPART FROM TRUE TEMPERATE ± 3/8". EXCEPT THAT IN ANY 3'-0" GAGE LENGTH DEPARTURE MAY NOT EXCEED ± 1/8".
- ENDS MUST BE TRIMMED ACCURATELY SO THAT WHEN RING IS ASSEMBLED GAP BETWEEN ENDS WILL NOT EXCEED ± 1/8".
- RIBS TO BE GIVEN ONE SHOP COAT OF KOPPERS BITUMASTIC TANK SOLUTION.
- REMOVE LINER PLATES PER COURSE, EVERY THIRD COURSE TO HAVE GROUT HOLE TAPPED TO SUIT 2" N.P.T. PIPE PLUG. PIPE PLUG TO BE INSERTED FOR SHIPMENT.
- LINER PLATES TO BE GALVANIZED.

TOTAL	QTY	UNIT	DESCRIPTION
53.6	51		105 3/4" x 2" TL BOLTS & NUTS
54.9	B26-1		1/2" NPT PIPE PLUGS (SHIPMENT)
222.8	55.1	D26-1459-2	1/4" x 16.5" LIN. PL. 90° B.
603.9	54.9	B26-1	1/4" x 16.5" LIN. RES. 90° B.
MAT'L REQ'D PER COURSE OF LINER PLATES			
16.3	51		32 3/4" x 2" TL BOLTS & NUTS
27.2	6.8	D26-1459-2	4 1/4" x 12" FLANGE SPLICE RATE
30.2	30.2	D26-1459-2	4 H@13" SEGMENTS 2'-3 1/2" W/BLD
575.6	181.2	D26-1459-2	4 H@13" SEGMENTS 14'-0 1/2" W/BLD
MAT'L REQ'D PER COURSE OF RIBS			
6413			TOTAL WT. PER COURSE

PROJECT I-80-(118)9
FAI ROUTE 80-SECTION 37-2-1
HENRY COUNTY-STA. 944+50
MUD CREEK

4-PC RING OF 4" H @ 13" IF PIERCED TO SUIT 1/4" GAGE T RATES 15-0" O.D.
SCALE: 1" = 1'-0"

Revised 9/20/02 by Illinois Division Highways W.S.
10/3/02 Revised outside flange splice plates W.S.

WILLS BURKE KELSEY ASSOCIATES LTD.
116 West Main Street, Suite 201
St. Charles, Illinois 60114

USER NAME = nparris	DESIGNED -	REVISED -
PLOT SCALE = 1/4" = 1'-0"	DRAWN -	REVISED -
PLOT DATE = 1/29/2013	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE PLANS
FOR REFERENCE ONLY

SCALE: SHEET NO. 5 OF 7 SHEETS STA. TO STA.

F.A.I. RE. 74/280	SECTION (37-2-1M)	COUNTY HENRY	TOTAL SHEETS 27	SHEET NO. 19
CONTRACT NO. 64G80				
ILLINOIS FED. AID PROJECT				

FOR REFERENCE ONLY

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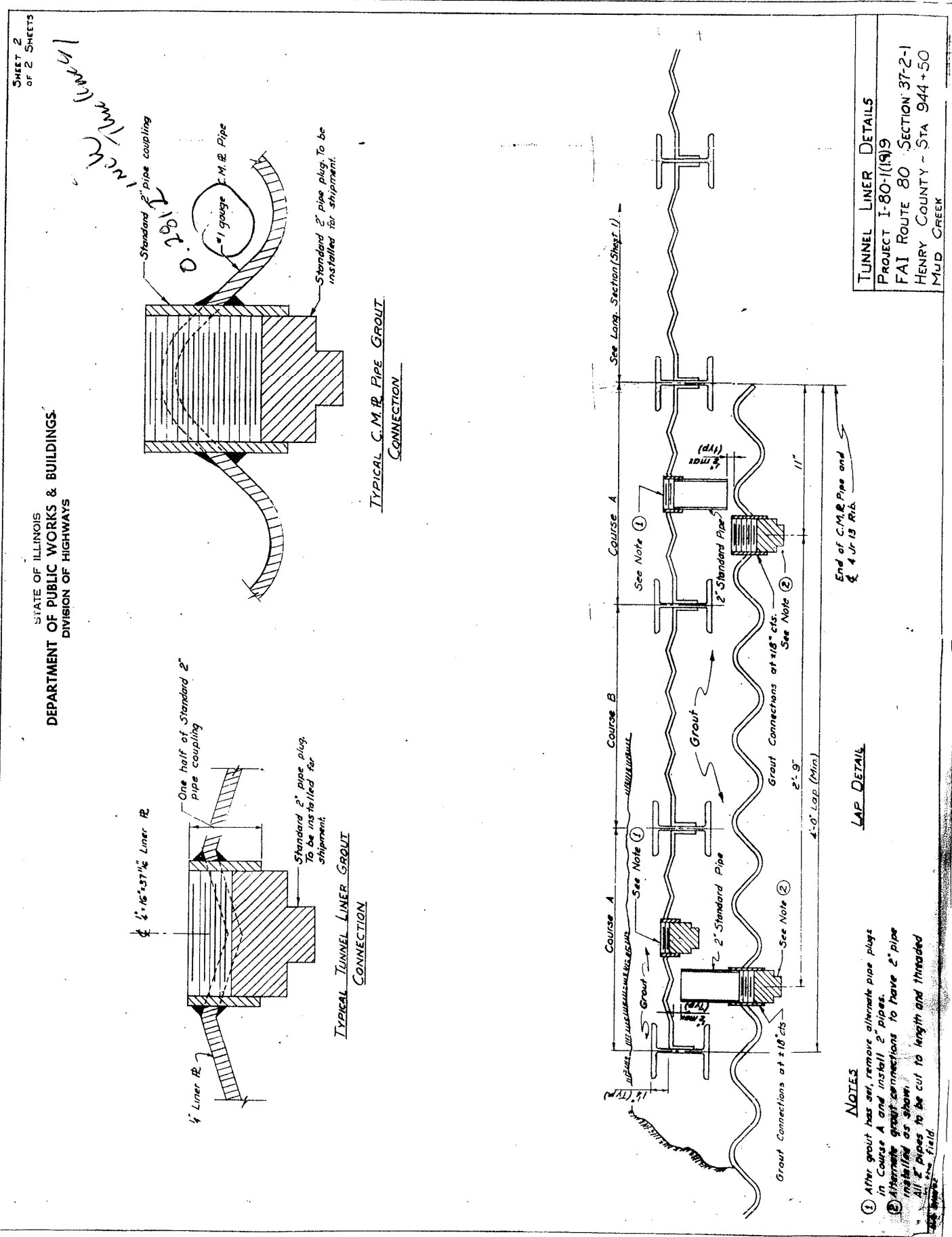
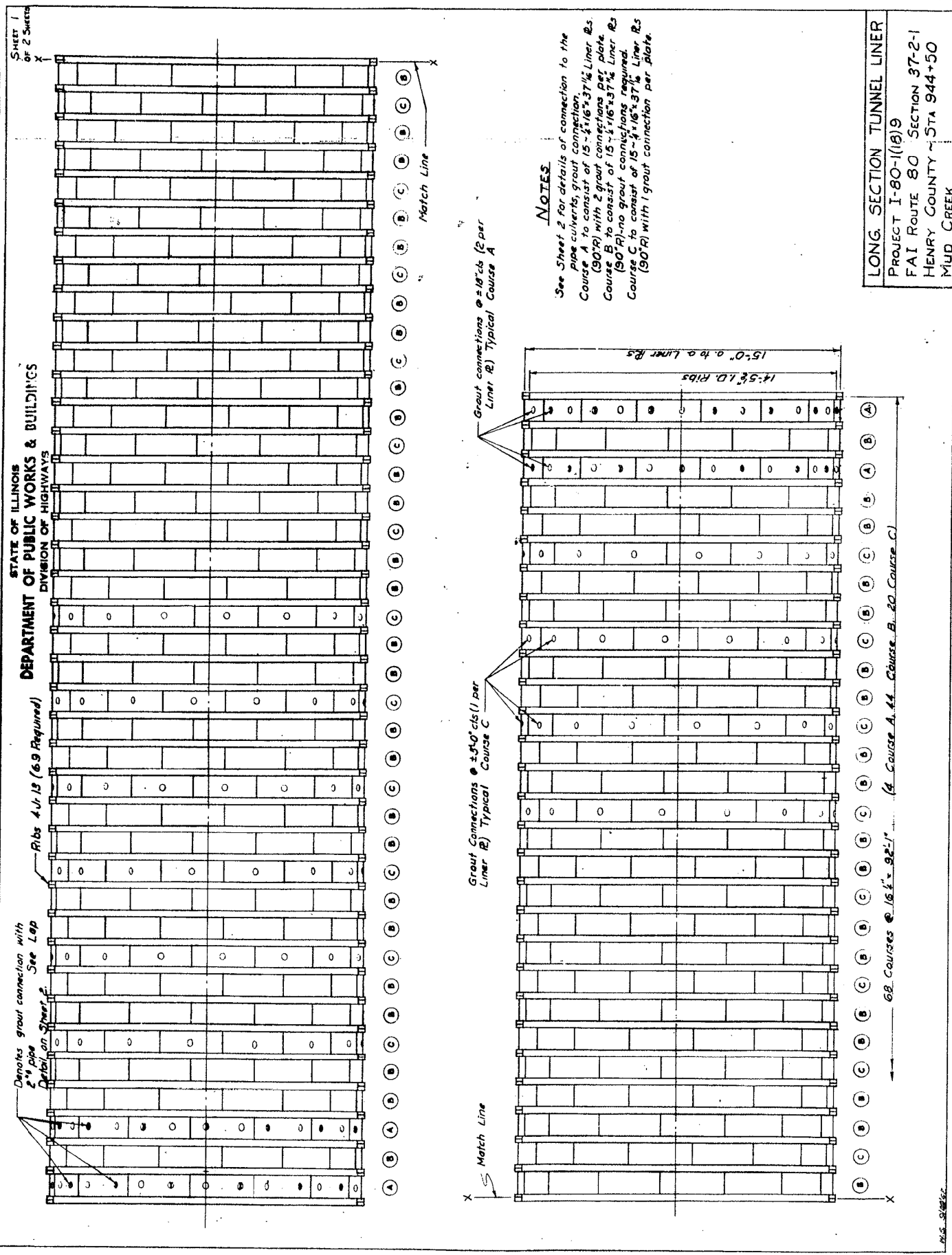
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PLOT SCALE = 1/4"=1'-0"	DRAWN -	REVISED -
PLOT DATE = 1/29/2013	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: SHEET NO. 6 OF 7 SHEETS STA. TO STA.

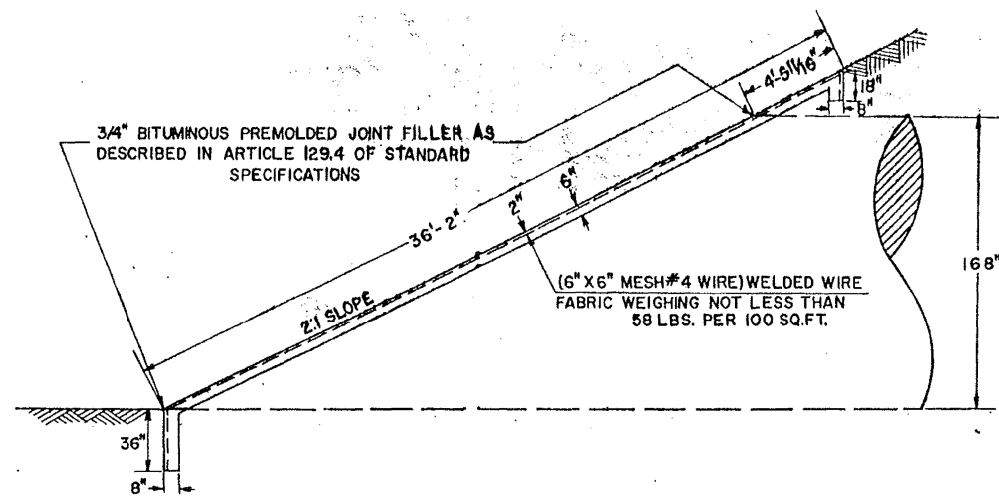
EXISTING STRUCTURE PLANS
FOR REFERENCE ONLY

F.A.I. R.T.E. 74/280	SECTION (37-2-1M)	COUNTY HENRY	TOTAL SHEETS 27	SHEET NO. 20
CONTRACT NO.64G80			ILLINOIS FED. AID PROJECT	

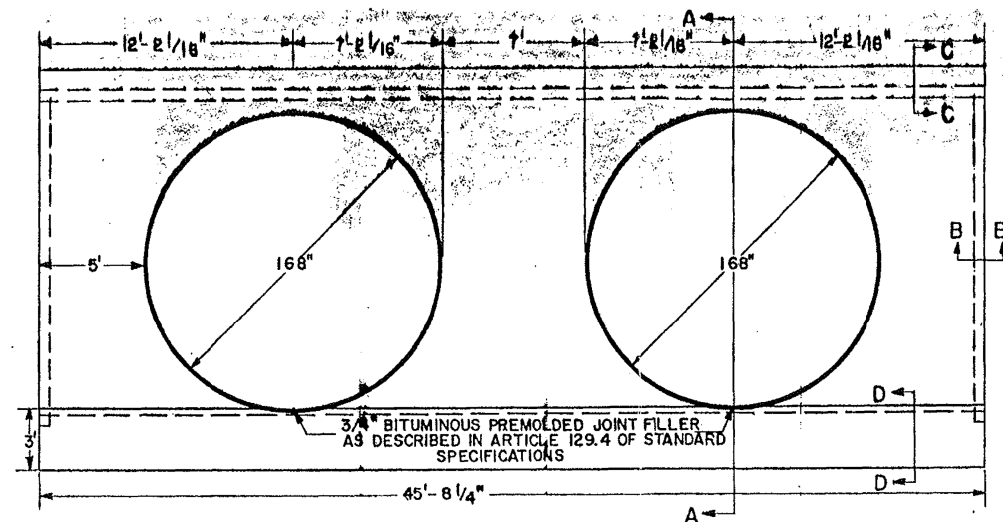


FOR REFERENCE ONLY

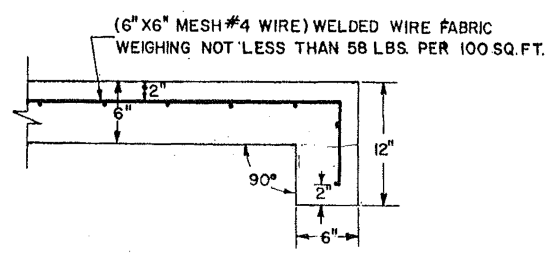
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	37-2-1	HENRY	166	31
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



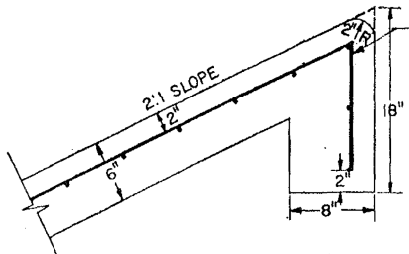
SECTION A-A
SCALE: 1/4"=1'



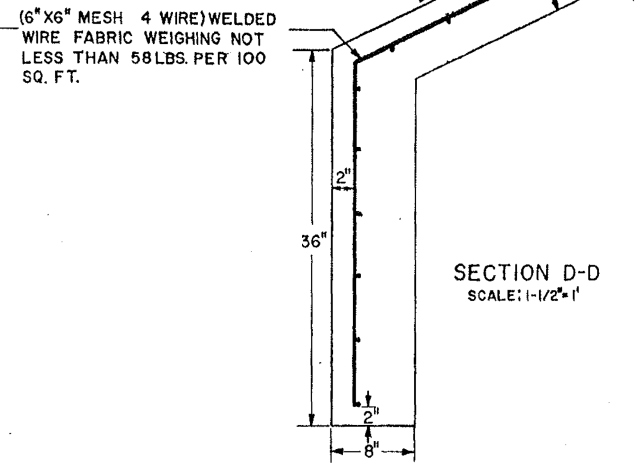
ELEVATION
SCALE: 1/4"=1'



SECTION B-B
SCALE: 1-1/2"=1'



SECTION C-C
SCALE: 1-1/2"=1'



SECTION D-D
SCALE: 1-1/2"=1'

NOTE: 3/4" BITUMINOUS PREMOLDED JOINT FILLER AS DESCRIBED IN ARTICLE 129.4 OF STANDARD SPECIFICATIONS, SHALL BE INCLUDED IN THE BID PRICE PER SQUARE YARD FOR SLOPEWALL, SPECIAL.

QUANTITIES FOR TWO SLOPEWALLS, SPECIAL
TOTAL: 349 SQUARE YARDS SLOPEWALL

NOTE:
CLASS X CONCRETE SHALL BE USED THROUGHOUT. THE COST OF FURNISHING AND INSTALLING THE WELDED WIRE FABRIC SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER SQUARE YARD FOR SLOPEWALL.

DETAIL OF SLOPEWALL, SPECIAL FOR TWIN CORRUGATED METAL PLATE PIPE CULVERT-168 IN. DIA.
F.A.I. ROUTE NO. 74 SECTION 37-2-1
HENRY COUNTY, MUD CREEK
STATION 944 + 50
SCALE: AS NOTED DATE:

FILE NAME = W:\Projects\2010\100120 PTB 157\25\cadd\Civil\Drawn\08\Shr\0264090-ahf-misc7.dgn

WBK WILLS BURKE KELSEY ASSOCIATES LTD.
116 West Main Street, Suite 201
St. Charles, Illinois 60174

USER NAME = nparris	DESIGNED -	REVISED -
PLOT SCALE = 1/4"=1'	DRAWN -	REVISED -
PLOT DATE = 1/29/2013	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

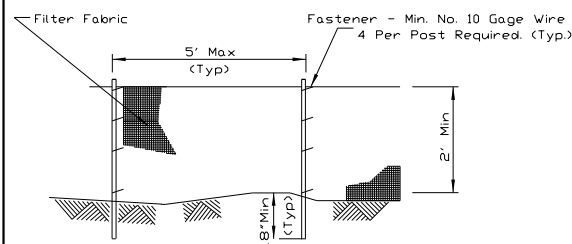
EXISTING STRUCTURE PLANS
FOR REFERENCE ONLY

SCALE: SHEET NO. 7 OF 7 SHEETS STA. TO STA.

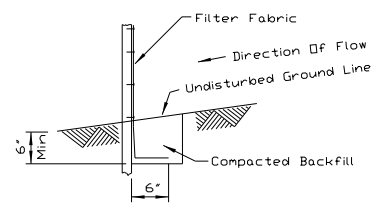
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74/280	(37-2-1)M	HENRY	27	21
CONTRACT NO. 64680			ILLINOIS FED. AID PROJECT	

FOR REFERENCE ONLY

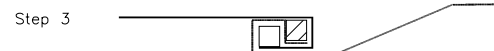
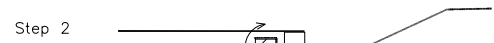
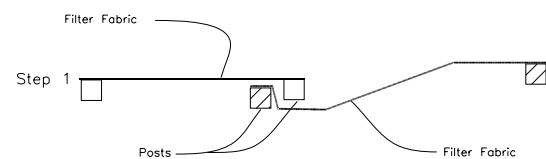
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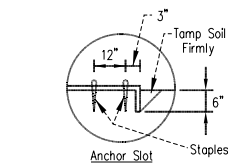
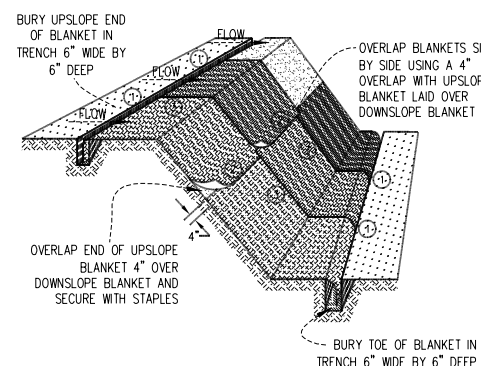
ELEVATION



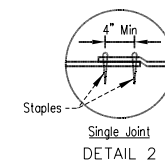
FABRIC ANCHOR DETAIL



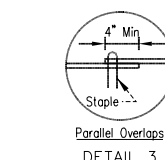
ATTACHING TWO SILT FENCES



DETAIL 1



DETAIL 2



DETAIL 3



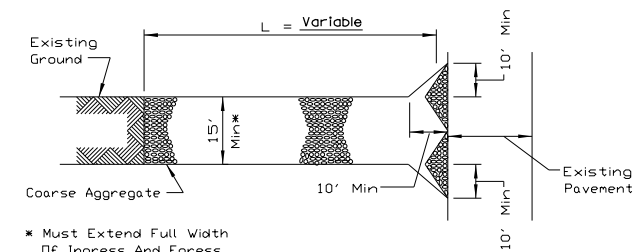
STAPLE DETAIL

PUSH PIN DETAIL

NOTES:

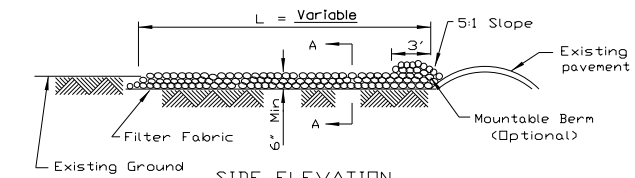
1. STAPLES SHALL BE PLACED IN A DIAMOND PATTERN AT 2 PER S.Y. FOR STITCHED BLANKETS. NON-STICHED SHALL USE 4 STAPLES PER S.Y. OF MATERIAL. THIS EQUATES TO 200 STAPLES WITH STITCHED BLANKET AND 400 STAPLES WITH NON-STICHED BLANKET PER 100 S.Y. OF MATERIAL.
2. STAPLE OR PUSH PIN LENGTHS SHALL BE SELECTED BASED ON SOIL TYPE AND CONDITIONS. (MINIMUM STAPLE LENGTH IS 6")
3. EROSION CONTROL MATERIAL SHALL BE PLACED IN CONTACT WITH THE SOIL OVER A PREPARED SEEDBED.
4. ALL ANCHOR SLOTS SHALL BE STAPLED AT APPROXIMATELY 12" INTERVALS.

EROSION CONTROL BLANKET AND TURF REINFORCEMENT MAT INSTALLATION DETAILS

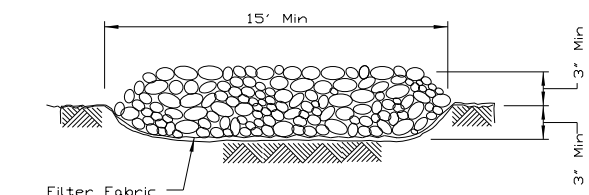


* Must Extend Full Width Of Ingress And Egress Operation.

PLAN VIEW



SIDE ELEVATION



SECTION A-A

NOTES:

1. FILTER FABRIC SHALL MEET THE REQUIREMENTS OF ARTICLE 1080.03 OF THE STANDARD SPECIFICATIONS AND SHALL BE PLACED OVER THE CLEARED SUBGRADE AREA PRIOR TO PLACING THE ROCK.
2. AGGREGATE FILL SHALL MEET ONE OF THE FOLLOWING IDOT COARSE AGGREGATE GRADATIONS, CA-1, CA-2, CA-3 OR CA-4 AND BE PLACED ACCORDING TO SPECIAL PROVISION "STABILIZED CONSTRUCTION ENTRANCE".
3. ANY DRAINAGE FACILITIES REQUIRED BECAUSE OF WASHING SHALL BE CONSTRUCTED ACCORDING TO MANUFACTURERS SPECIFICATIONS.
4. IF WASH RACKS ARE USED THEY SHALL BE INSTALLED ACCORDING TO MANUFACTURERS SPECIFICATIONS.

STABILIZED CONSTRUCTION ENTRANCE PLAN

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116 West Main Street, Suite 201
St. Charles, Illinois 60174

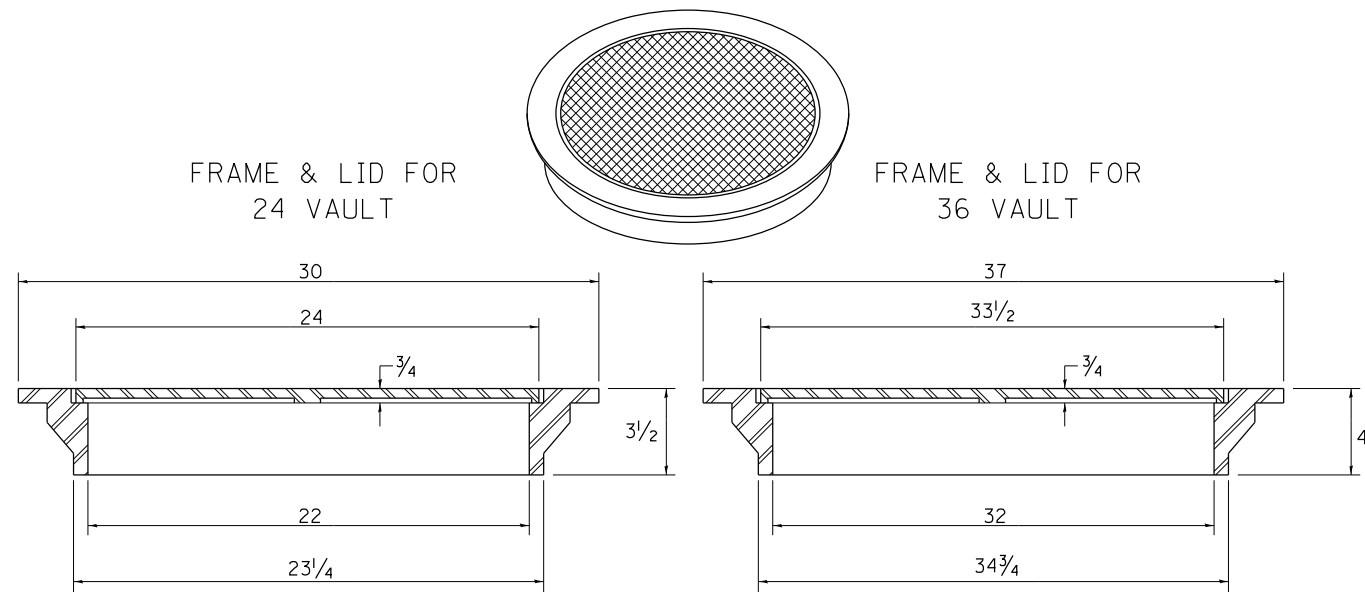
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	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAILS			
SCALE:	SHEET NO. 1	OF 1 SHEETS	STA. TO STA.

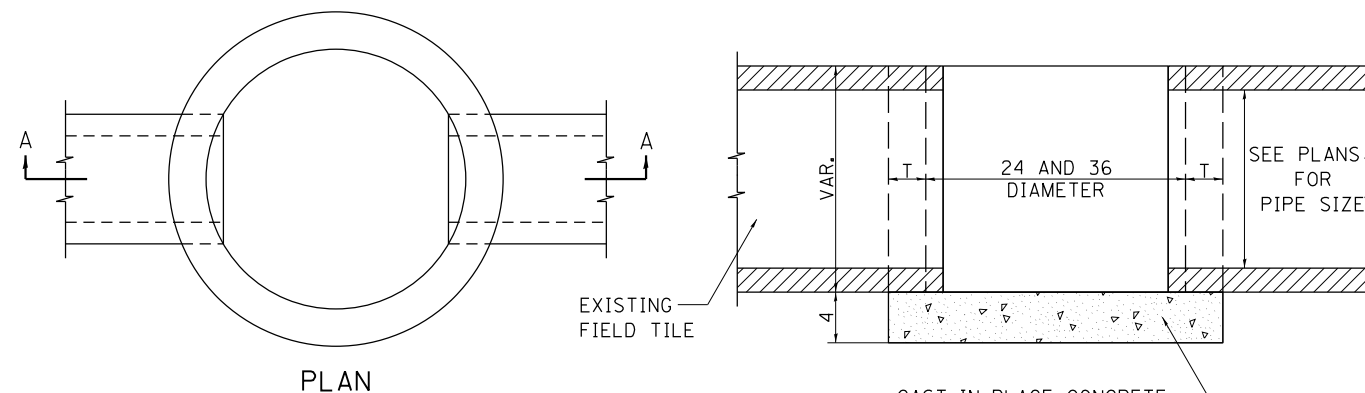
F.A.I. RTE. 74/280	SECTION (37-2-1M)	COUNTY HENRY	TOTAL SHEETS 27	SHEET NO. 22
CONTRACT NO. 64G80				
ILLINOIS FED. AID PROJECT				

FIELD TILE JUNCTION VAULTS 24 AND 36 DIA.



TOTAL WEIGHT: 146 LBS.

TOTAL WEIGHT: 280 LBS.



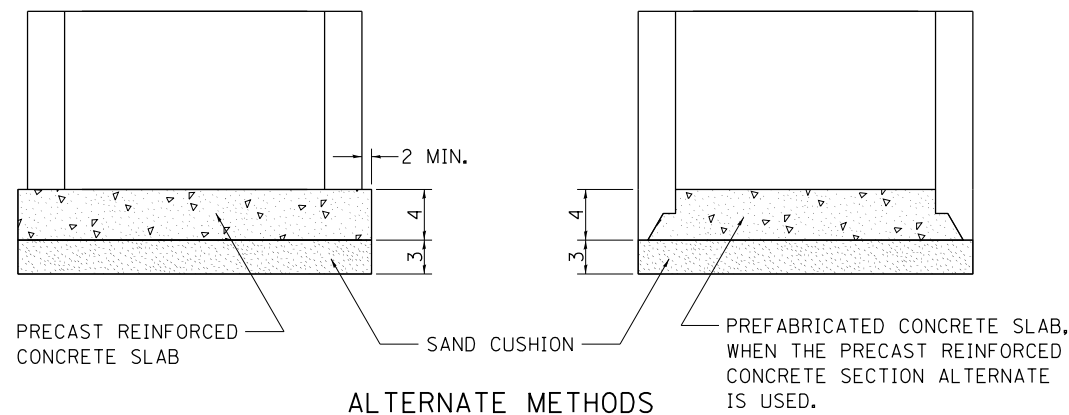
PLAN

SECTION A-A

ALTERNATE MATERIALS FOR WALLS	T
BRICK MASONRY	8
CAST-IN-PLACE CONCRETE	6
CONCRETE MASONRY UNIT	5
PRECAST REINFORCED CONCRETE SECTION	3

NOTE: THE FRAME AND LID IS REQUIRED ON ALL JUNCTION VAULTS.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.



ALTERNATE METHODS

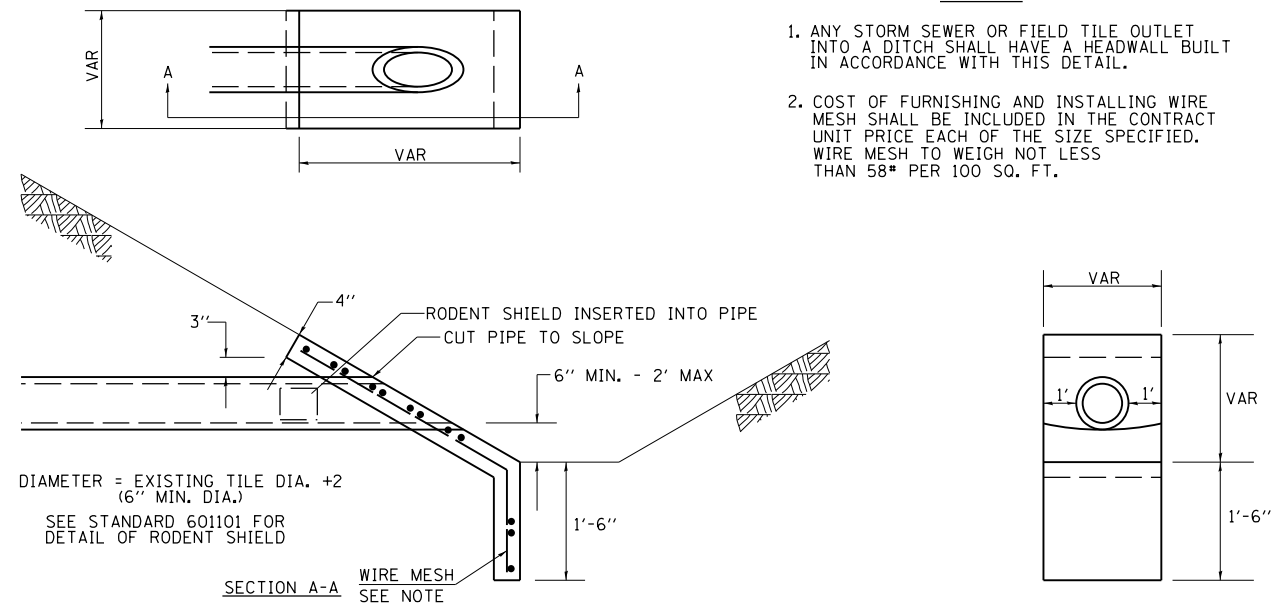
REVISED - 10-14-11

FIELD TILE JUNCTION VAULTS 24 AND 36 DIA. 30.2

CAST-IN-PLACE REINFORCED CONCRETE END SECTIONS

NOTES

1. ANY STORM SEWER OR FIELD TILE OUTLET INTO A DITCH SHALL HAVE A HEADWALL BUILT IN ACCORDANCE WITH THIS DETAIL.
2. COST OF FURNISHING AND INSTALLING WIRE MESH SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE EACH OF THE SIZE SPECIFIED. WIRE MESH TO WEIGH NOT LESS THAN 58# PER 100 SQ. FT.



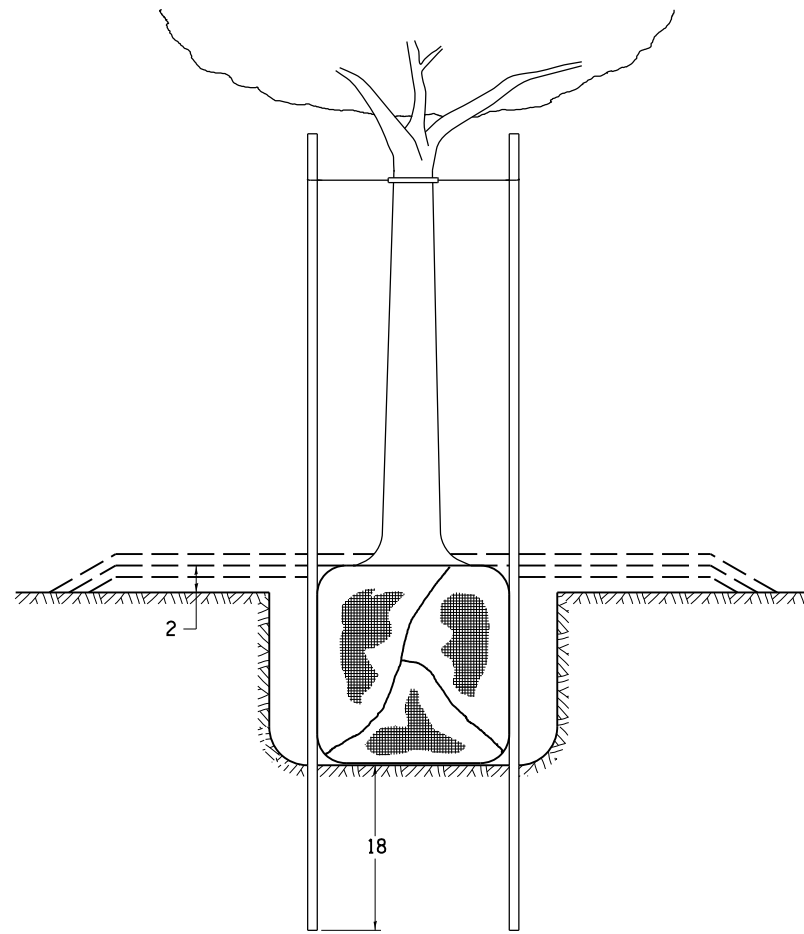
REVISED - 10-09-12

CAST-IN-PLACE REINFORCED CONCRETE END SECTIONS 28.4

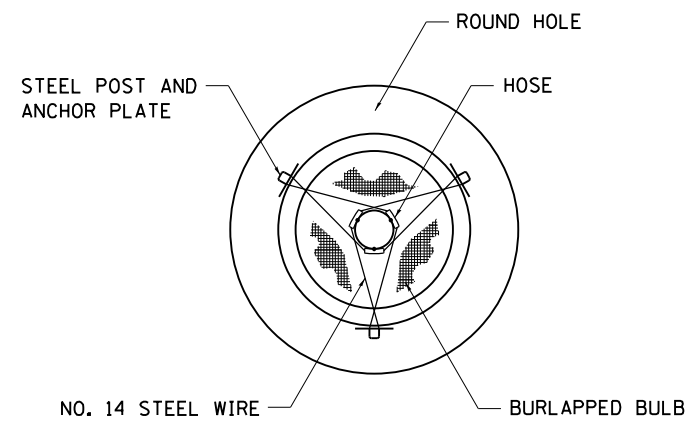
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REVISED -		74/280	(37-2-1)M	HENRY	27	23	
REVISED -		CONTRACT NO.64G80					
REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT
REVISED -							

PLOT DATE = 1/29/2013

DETAILS OF PLANTING AND BRACING TREES

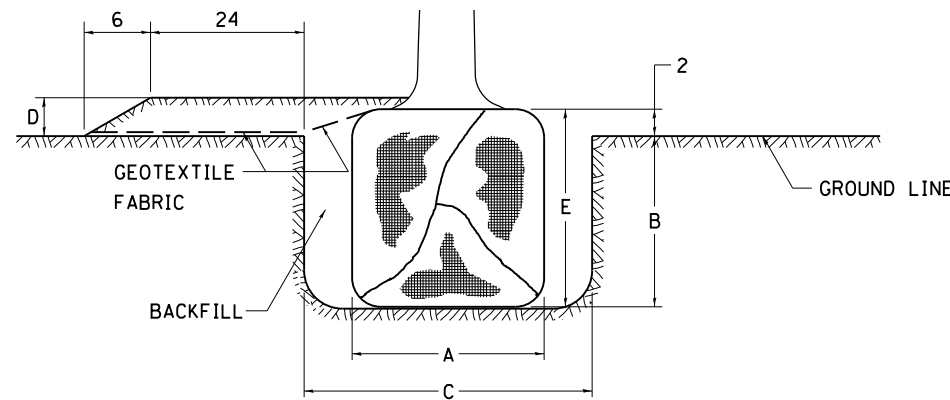


TREES SMALLER THAN 4 1/2 IN DIAMETER

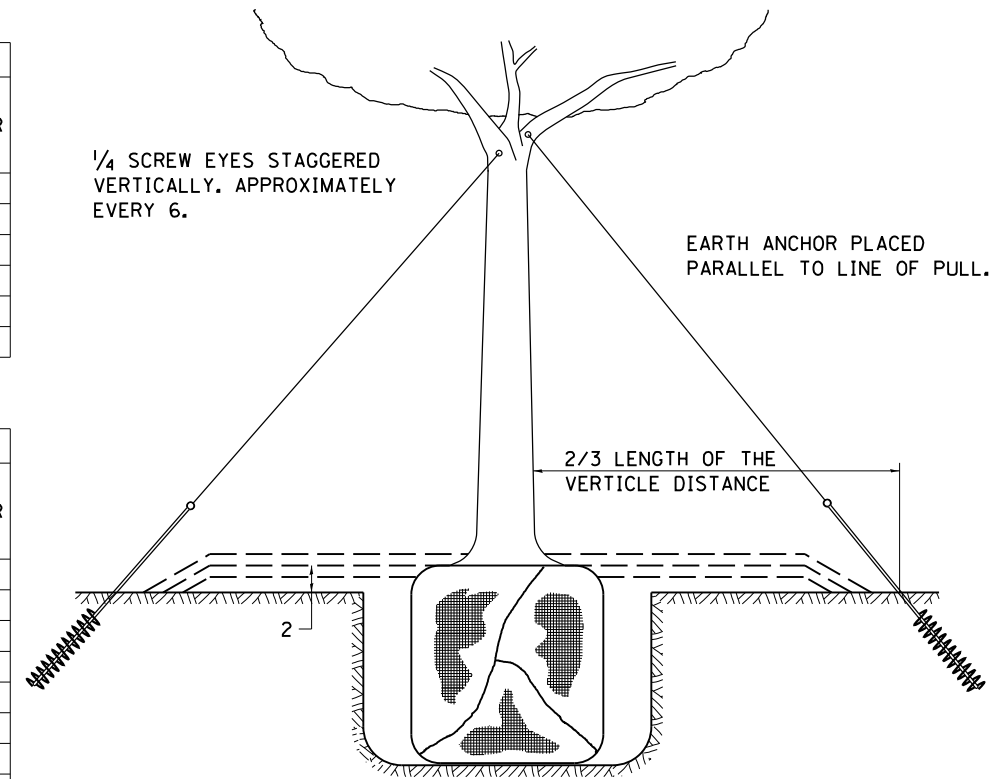


SMALL	A	B	C	D	E	F
TREE SIZE	DIAMETER OF BALL OR ROOT SYS.	DEPTH OF HOLE EXCAVATION	WIDTH OF HOLE EXCAVATION	THICKNESS OF MULCH COVER	DEPTH OF BALL OR ROOT SYS.	VOLUME OF MULCH COVER CU. YDS.
5'-6'	16	10	30	4	12	0.54
5'-6' BB	16	10	30	4	12	0.54
6'-7' BB	18	12	30	4	14	0.54
7'-8' BB	20	11	30	4	13	0.54
8'-10' BB	24	14	36	4	16	0.61
10'-12' BB	26	15	36	4	17	0.61

LARGE	A	B	C	D	E	F
TREE SIZE	DIAMETER OF BALL OR ROOT SYS.	DEPTH OF HOLE EXCAVATION	WIDTH OF HOLE EXCAVATION	THICKNESS OF MULCH COVER	DEPTH OF BALL OR ROOT SYS.	VOLUME OF MULCH COVER CU. YDS.
0-2	20	11	36	4	13	0.61
2-2 1/2 BB	24	14	48	4	16	0.78
2 1/2-3 BB	28	17	48	4	19	0.78
3-3 1/2 BB	32	17	60	4	19	0.96
3 1/2-4 BB	36	20	60	4	22	0.96
4-4 1/2 BB	40	22	72	4	24	1.16
4 1/2-5 BB	44	24	72	4	26	1.16
5-5 1/2 BB	48	27	84	4	29	1.38



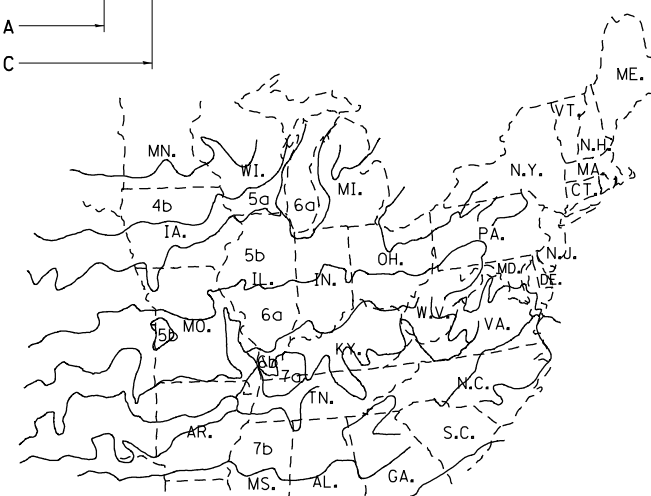
TREES OVER 4 1/2 IN DIAMETER



1/4 SCREW EYES STAGGERED VERTICALLY. APPROXIMATELY EVERY 6.

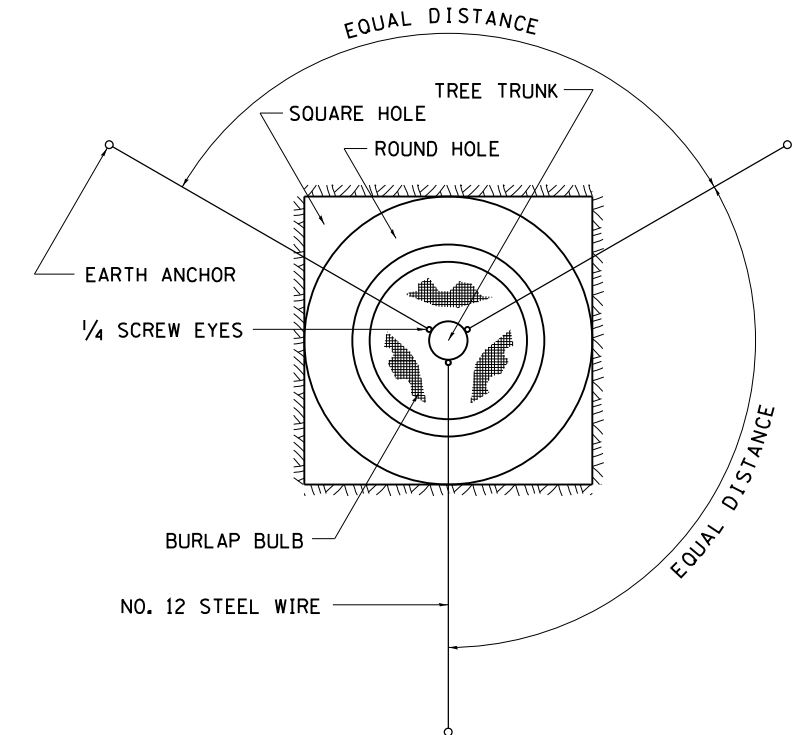
EARTH ANCHOR PLACED PARALLEL TO LINE OF PULL.

2/3 LENGTH OF THE VERTICLE DISTANCE



PLANT HARDINESS ZONE MAP

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESEARCH SERVICE
PUBLICATION NO. 814



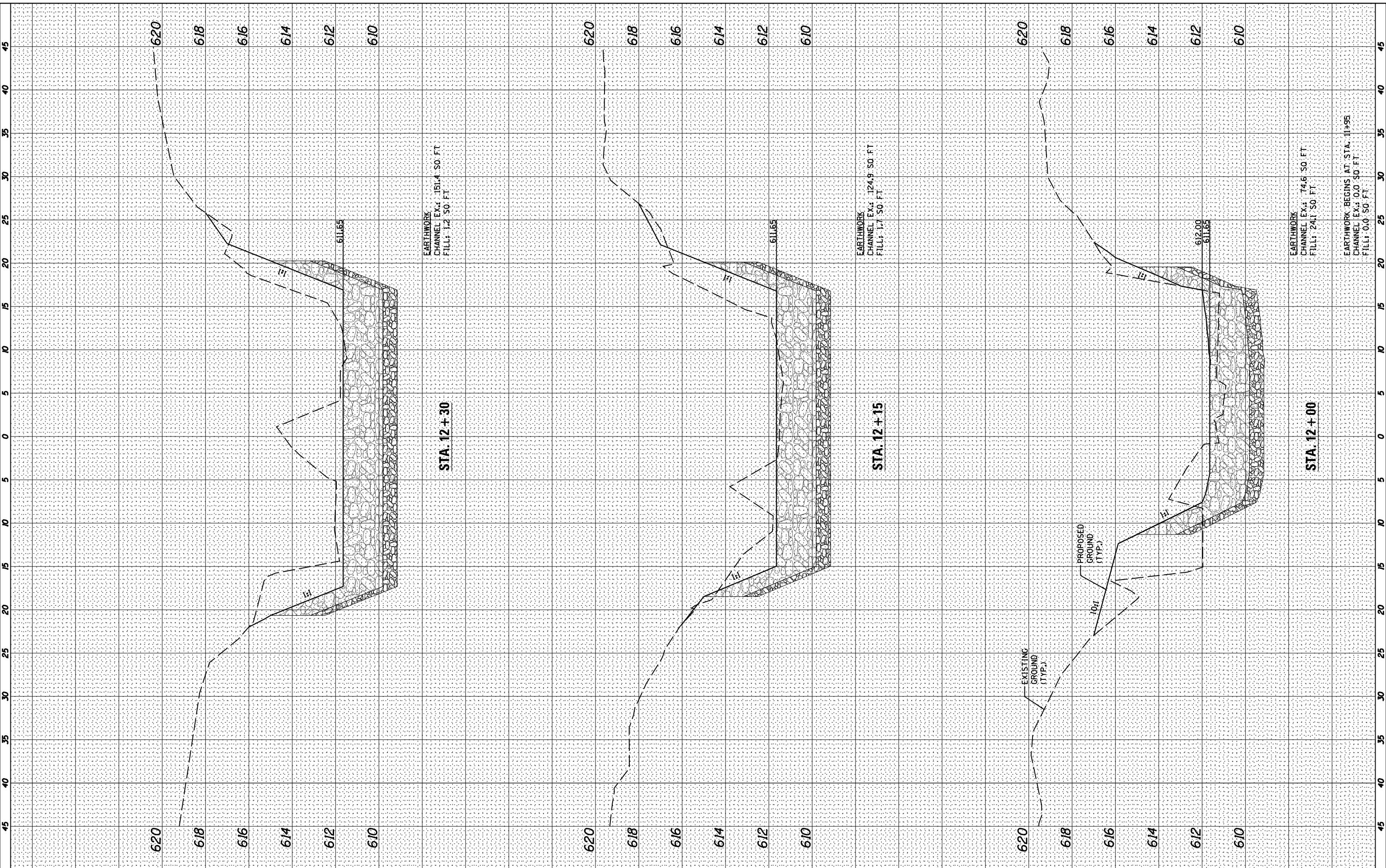
ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

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W:\Projects\2010\100120 PTB 157\25\cadd	Civil\Dgn\W0 8\Sh\264680-sh\2stds2.dgn	DRAWN -	REVISED -			74/280	(37-2-1M)	HENRY	27	24	
	PLOT SCALE =	CHECKED -	REVISED -			CONTRACT NO.64G80					
	PLOT DATE = 1/29/2013	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					

FINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
AREAS CHECKED	AREAS CHECKED		

ORIGINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
AREAS CHECKED	AREAS CHECKED		

FILE NAME = K:\Projects\2010\100120_PTB_15\25\cead\Gunit\Gunit\01\Sta\12\6680-ht-xsh.dgn



EARTHWORK
CHANNEL EX.: 151.4 SO. FT
FILL: 1.2 SO. FT

EARTHWORK
CHANNEL EX.: 124.9 SO. FT
FILL: 1.7 SO. FT

EARTHWORK
CHANNEL EX.: 74.6 SO. FT
FILL: 24.1 SO. FT

EARTHWORK BEGINS AT STA. 11+95
CHANNEL EX.: 0.0 SO. FT
FILL: 0.0 SO. FT

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St. Charles, Illinois 60174

USER NAME = nparris
PLOT SCALE = 1:10
PLOT DATE = 1/29/2013

DESIGNED -
DRAWN - NDP
CHECKED - RPD
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
CULVERT CHANNEL**

SCALE: SHEET NO. 1 OF 3 SHEETS STA. TO STA.

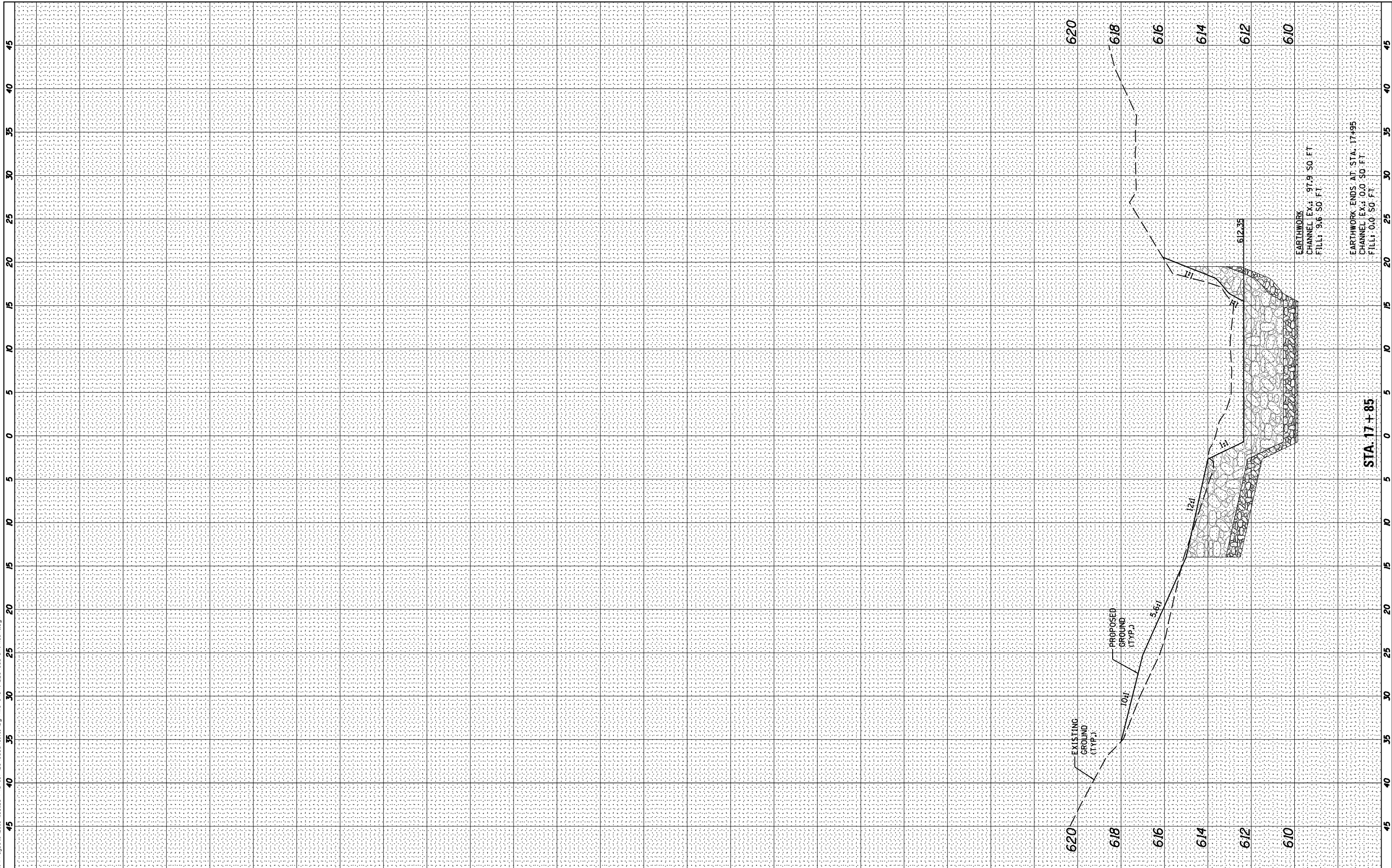
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CONTRACT NO. 64680				

ILLINOIS FED. AID PROJECT

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE
NOTE BOOK NO.	TEMPLATE AREAS CHECKED		

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

FILE NAME = K:\Projects\2010\180120_PTB_157\25\cead\G.mxd Dgn:ND B:\SH\UD264680-ht-xsh.dgn



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PLOT DATE = 1/29/2013	CHECKED - RPD	REVISED -
	DATE -	REVISED -

DESIGNED -	REVISED -
DRAWN - NDP	REVISED -
CHECKED - RPD	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS CULVERT CHANNEL		
SCALE:	SHEET NO. 3 OF 3 SHEETS	STA. TO STA.

F.A.I. RTE. 74/280	SECTION (37-2-1M)	COUNTY HENRY	TOTAL SHEETS 27	SHEET NO. 27
ILLINOIS FED. AID PROJECT			CONTRACT NO. 64680	