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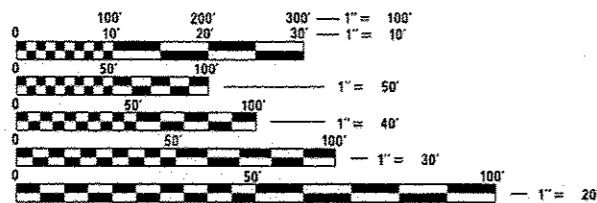
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STANDARDS

- 000001-06
- 001006
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- 542301-03
- 666001-01
- 667101-02
- 701001-02
- 701006-05
- 701901-04

HIGHWAY CLASSIFICATION

FUNCTIONAL CLASS
 IL 100 - MINOR ARTERIAL
 ADT - 1,650 (2011)
 PV = 78.80%
 SU = 7.57%
 MU = 13.63%



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

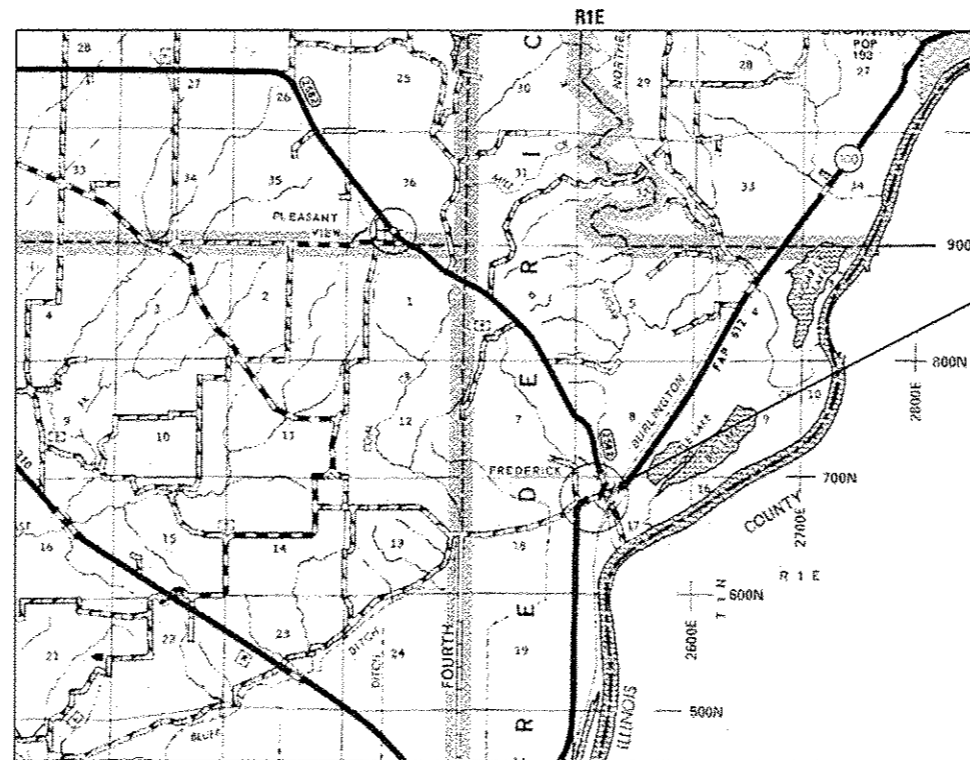
PROJECT ENGINEER: VINCE MADONIA 217-785-9046
 PROJECT MANAGER: JON KELLEY 217-785-2739

CONTRACT NO. 72G49

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
**PROPOSED
 HIGHWAY PLANS**

FAP ROUTE 612 (IL 100)
 SECTION (112)T
 PROJECT *ACF-0612(018)*
 DRAINAGE IMPROVEMENT
 SCHUYLER COUNTY

C-96-018-14

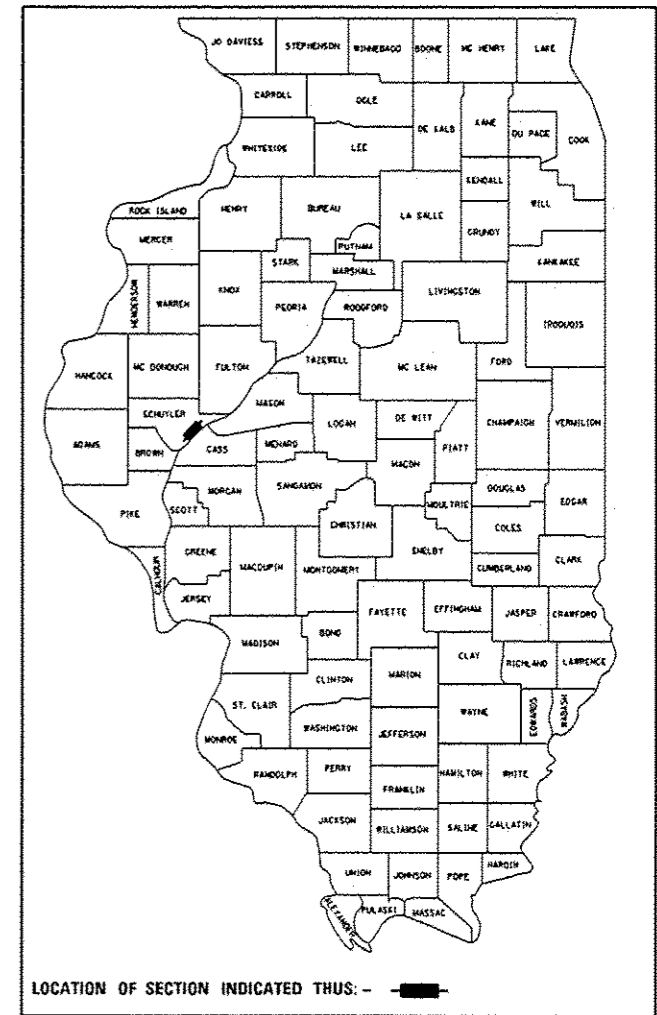


PROJECT LOCATION
 STA. 7+00 TO 18+00

GROSS LENGTH = 1,100 FT. = 0.208 MILE
 NET LENGTH = 1,100 FT. = 0.208 MILE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
612	(112)T	SCHUYLER	34	1
		ILLINOIS	CONTRACT NO. 72G49	

D-96-018-14



LOCATION OF SECTION INDICATED THUS: - [thick black line] -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

SUBMITTED *January 30, 2015*
Rosa Z. Smith
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

May 8, 2015
John D. Barancelli, P.E.
 ENGINEER OF DESIGN AND ENVIRONMENT

May 8, 2015
Omer Osman, P.E.
 DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY
 OF THE STATE OF ILLINOIS

- WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER AND AUTHORIZED SURVEYOR, OR AGENT HAS WITNESSED, OR OTHERWISE REFERENCED THEIR LOCATION.
- IN ADDITION TO FIELD SURVEYS, PLAN DIMENSIONS AND DETAILS RELATIVE TO THE EXISTING FACILITIES HAVE BEEN TAKEN FROM EXISTING PLANS AND AERIAL PHOTOGRAPHY AND ARE SUBJECT TO CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND DETAILS IN THE FIELD. SUCH VARIATIONS SHALL NOT BE A CAUSE FOR ADDITIONAL COMPENSATION DUE TO A CHANGE IN THE SCOPE OF WORK; HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. THE J.U.L.I.E. NUMBER IS 1-800-892-0123. A MINIMUM OF 48 HOURS ADVANCE NOTICE IS REQUIRED.
- 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.
- ALL NECESSARY EARTHWORK INVOLVED IN THE INSTALLATION OF PROPOSED PIPE CULVERTS UNDER EXISTING FIELD AND PRIVATE ENTRANCES WILL NOT BE PAID FOR SEPARATELY BUT INCLUDED IN THE COSTS FOR THE PROPOSED PIPE CULVERT.
- THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED TO CALCULATE THE PLAN QUANTITIES:
 AGRICULTURAL GROUND LIMESTONE 2.00 TONS / ACRE
 MULCH 2.00 TONS / ACRE
 SEEDING FERTILIZER NUTRIENTS (NITROGEN; PHOSPHOROUS; POTASSIUM) = 90: 90: 90 LBS/ACRE
- ANY EXISTING ROAD SIGNS THAT INTERFERE WITH CONSTRUCTION SHALL BE RELOCATED AS DIRECTED BY THE ENGINEER. AFTER CONSTRUCTION IS COMPLETE, THE CONTRACTOR SHALL REPLACE THE SIGNS AS DIRECTED BY THE ENGINEER. THIS WORK SHALL NOT BE PAID FOR SEPARATELY, BUT CONSIDERED TO BE INCLUDED IN THE CONTRACT'S OVERALL BID PRICE.
- EXISTING UNDERGROUND AND ABOVE - GRADE FACILITIES, STRUCTURES, AND UTILITIES HAVE BEEN PLOTTED ON THESE CONTRACT DOCUMENTS BASED UPON THE INFORMATION AND SURVEYS AVAILABLE AT THE TIME OF DRAWING PREPARATION. THE LOCATION OF THESE FEATURES MUST, THEREFORE, BE CONSIDERED APPROXIMATE ONLY. IN ADDITION THERE MAY BE OTHER FACILITIES, STRUCTURES, AND UTILITIES WHICH DID NOT EXIST (OR THE EXISTENCE OF WHICH WAS NOT KNOWN) AT THE TIME OF DRAWING PREPARATION. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR(S) TO HAVE ALL EXISTING FACILITIES, STRUCTURES, AND UTILITIES LOCATED IN THE FIELD PRIOR TO ANY EXCAVATION OR CONSTRUCTION ACTIVITY; AND TO PROTECT ALL SUCH EXISTING FEATURES (EXCEPT THOSE SPECIFICALLY NOTED FOR REMOVAL OR DEMOLITION) DURING CONSTRUCTION.
- TREES SHALL BE PRESERVED THROUGHOUT THIS SECTION AS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER. GENERALLY, TREES OUTSIDE THE CLEAR ZONE, AND WHICH DO NOT INTERFERE WITH CONSTRUCTION, SHALL NOT BE DISTURBED.
- SEEDING SHALL BE DONE ON ALL AREAS THAT ARE DISTURBED BY CONSTRUCTION OPERATIONS AS DIRECTED BY THE ENGINEER. SEEDING SHALL BE PAID FOR ONLY WITHIN THE PROPOSED RIGHT OF WAY OR EASEMENT LIMITS. ALL AREAS DISTURBED BY THE CONTRACTOR OUTSIDE THE PROPOSED CONSTRUCTION LIMITS SHALL BE SEEDING AS DIRECTED BY THE ENGINEER, AT THE CONTRACTOR'S EXPENSE
- THE ENGINEER SHALL BE CONTACTED AND PRIOR APPROVAL OBTAINED FOR ANY TREE REMOVAL BEYOND THE LIMITS/LOCATIONS INCLUDED IN PLANS.
- THE REMOVAL AND DISPOSAL OF EXISTING RIGHT OF WAY MARKERS THAT NO LONGER REPRESENT THE LIMITS OF STATE RIGHT OF WAY WILL BE REMOVED. REMOVAL AND DISPOSAL OF SAID RIGHT OF WAY MARKERS IS INCLUDED IN THE COST OF EARTH EXCAVATION.

COMMITMENTS:

- THE FIELD/RESIDENT ENGINEER SHALL CONTACT STUDIES AND PLANS COVERING ANY MAJOR PLAN CHANGES TO MAKE SURE NO PREVIOUS COMMITMENTS (NOT LISTED) WERE MADE AFFECTING THE DESIGN, AND TO ALLOW IMPROVED DESIGN FOR THE FUTURE.

DISTRICT SIX	
EXAMINED	JANUARY 28 th 20 15
<i>John C. W. ...</i>	
OPERATIONS ENGINEER	
EXAMINED	January 20 20 15
<i>Ron Duchambeau</i>	
PROJECT IMPLEMENTATION ENGINEER	
EXAMINED	January 22 20 15
<i>Jeff P. Meyer</i>	
PROGRAM DEVELOPMENT ENGINEER	

FILE NAME *	USER NAME * topline	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES FAP 612 (IL 100)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
c:\pwork\p\sdot\topline\0347552\0672019-ehi-gemate.dgn		DRAWN -	REVISED -			612	0121T	SCHUYLER	34	2	
PLOT SCALE * 100.0000 / in.		CHECKED -	REVISED -			CONTRACT NO. 72049					
Default		DATE -	REVISED -			SCALE:	SHEET	OF	SHEETS	STA.	TO STA.

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				80% FEDERAL ROADWAY 0040 RURAL
20100500	TREE REMOVAL, ACRES	ACRE	1.25	1.25
20200100	EARTH EXCAVATION	CU YD	2,215	2,215
20400800	FURNISHED EXCAVATION	CU YD	13,790	13,790
25000200	SEEDING, CLASS 2	ACRE	2	2
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	180	180
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	180	180
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	180	180
25000700	AGRICULTURAL GROUND LIMESTONE	TON	4	4
25100115	MULCH, METHOD 2	ACRE	2	2
25100630	EROSION CONTROL BLANKET	SQ YD	5,624	5,624
28000400	PERIMETER EROSION BARRIER	FOOT	1,410	1,410
28000500	INLET AND PIPE PROTECTION	EACH	1	1
28100107	STONE RIPRAP, CLASS A4	SQ YD	200	200
28200200	FILTER FABRIC	SQ YD	200	200

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				80% FEDERAL ROADWAY 0040 RURAL
50100300	REMOVAL OF EXISTING STRUCTURES NO. 1	EACH	1	1
50500405	FURNISHING AND ERECTING STRUCTURAL STEEL	POUND	4,510	4,510
50800105	REINFORCEMENT BARS	POUND	1,980	1,980
52100510	ANCHOR BOLTS, 3/4"	EACH	24	24
54201945	PIPE CULVERTS, CLASS D, TYPE 3 60"	FOOT	64	64
54213705	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 60"	EACH	1	1
66600105	FURNISHING AND ERECTING RIGHT OF WAY MARKERS	EACH	7	7
66700305	PERMANENT SURVEY MARKERS, TYPE II	EACH	1	1
X1200035	SLUICE GATE, ALUMINUM, 60" X 60"	EACH	1	1
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	3	3
X5428860	CAST-IN-PLACE REINFORCED CONCRETE END SECTIONS 60" (SPECIAL)	EACH	1	1
67100100	MOBILIZATION	L SUM	1	1

24

• NOTE: PPS • 6-00747-0000

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Default	PLOT SCALE : 100.0000 ' / 1"	CHECKED :	REVISED :
	PLOT DATE : 2/2/2019	DATE :	REVISED :

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
FAP 612 (IL 100)

SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	F.A.P. RTE. 612	SECTION (112)T	COUNTY SCHUYLER	TOTAL SHEETS 34	SHEET NO. 3
								CONTRACT NO. 72G49		ILLINOIS FED. AID PROJECT

EARTH EXCAVATION, BERM									
STATION	END AREA (SQ FT)		DISTANCE (FT)	AVERAGE OF END AREAS (SQ FT)		EARTHWORK VOLUME (CU FT)		EARTHWORK VOLUME (CU YD)	
	CUT	FILL		CUT	FILL	CUT	FILL	CUT	FILL
STA 7+00.00	0.0	0.0							
			50.0	0.0	63.1	0.0	3,155.0	0.0	116.9
STA 7+50.00	0.0	126.2							
			50.0	0.0	117.3	0.0	5,862.5	0.0	217.1
STA 8+00.00	0.0	108.3							
			50.0	0.0	96.0	0.0	4,797.5	0.0	177.7
STA 8+50.00	0.0	83.6							
			19.7	0.0	125.3	0.0	2,462.1	0.0	91.2
STA 8+69.65	0.0	167.0							
			30.4	0.0	358.6	0.0	10,883.5	0.0	403.1
STA 9+00.00	0.0	550.2							
			31.9	0.0	401.2	0.0	12,782.2	0.0	473.4
STA 9+31.86	0.0	252.2							
			18.1	7.5	262.3	135.1	4,757.2	5.0	176.2
STA 9+50.00	14.9	272.3							
			50.0	24.5	319.4	1,222.5	15,970.0	45.3	591.5
STA 10+00.00	34.0	366.5							
			50.0	45.0	425.6	2,250.0	21,280.0	83.3	788.1
STA 10+50.00	56.0	484.7							
			50.0	72.7	537.7	3,631.8	26,877.1	134.5	995.4
STA 10+99.99	89.3	590.6							
			50.0	95.4	618.3	4,768.5	30,921.2	176.6	1,145.2
STA 11+50.00	101.4	646.0							
			50.0	108.5	656.8	5,422.5	32,837.5	200.8	1,216.2
STA 12+00.00	115.5	667.5							
			50.0	121.3	671.9	6,062.5	33,592.5	224.5	1,244.2
STA 12+50.00	127.0	676.2							
			50.0	137.4	665.7	6,870.0	33,285.0	254.4	1,232.8
STA 13+00.00	147.8	655.2							
			50.0	155.6	630.9	7,777.5	31,545.0	288.1	1,168.3
STA 13+50.00	163.3	606.6							
			25.0	180.9	645.4	4,522.5	16,135.0	167.5	597.6
STA 13+75.00	198.5	684.2							
			25.0	99.3	647.5	2,481.3	16,187.5	91.9	599.5
STA 14+00.00	0.0	610.8							
			50.0	0.0	540.5	0.0	27,025.0	0.0	1,000.9
STA 14+50.00	0.0	470.2							
			50.0	0.0	390.3	0.0	19,512.5	0.0	722.7
STA 15+00.00	0.0	310.3							
			50.0	0.0	301.3	0.0	15,065.0	0.0	558.0
STA 15+50.00	0.0	292.3							
			50.0	0.0	298.7	0.0	14,932.5	0.0	553.1
STA 16+00.00	0.0	305.0							
			50.0	0.6	308.1	30.0	15,402.5	1.1	570.5
STA 16+50.00	1.2	311.1							
			50.0	0.6	327.8	30.0	16,387.5	1.1	606.9
STA 17+00.00	0.0	344.4							
			50.0	146.7	172.2	7,332.5	8,610.0	271.6	318.9
STA 17+50.00	293.3	0.0							
			50.0	146.7	0.0	7,332.5	0.0	271.6	0.0
STA 18+00.00	0.0	0.0							
TOTAL								2,217.4	15,565.4

EARTHWORK				
LOCATION	EARTH EXCAVATION (CUT)	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE *	EMBANKMENT (FILL)	EARTH BALANCE WASTE(+) OR SHORTAGE(-)
	(CU YD)	(CU YD)	(CU YD)	(CU YD)
BERM	2,217.4	1,773.9	15,565.4	-13,791.5

*- SHRINKAGE FACTOR = 20%

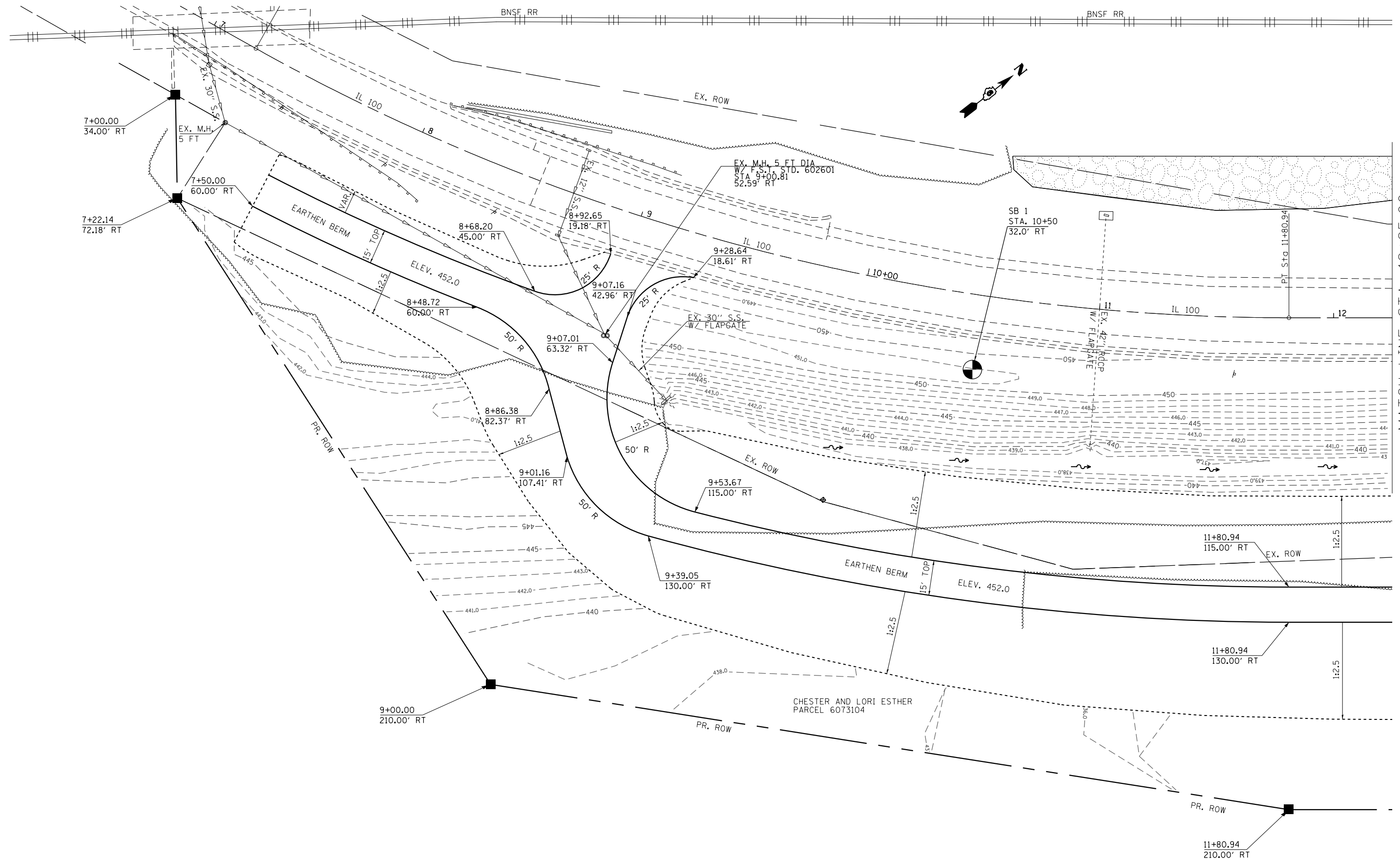
ROW AND PERMANENT SURVEY MARKERS				
LOCATION		SIDE	FURNISHING AND ERECTING RIGHT OF WAY MARKERS 66600105 (EACH)	PERMANENT SURVEY MARKERS, TYPE 2 66700305 (EACH)
BERM				
STA 7+00.00	TO	STA 18+00.00	RT	7
STA 15+97.32			RT	1

DRAINAGE SCHEDULE					
LOCATION	SIDE	REMOVAL EXISTING STRUCTURE	CULVERT TYPE 3 60"	INLET & PIPE PROTECTION	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 60"
		50100300 (EACH)	542A1945 (FOOT)	28000500 (EACH)	54213705 (EACH)
IL 100					
STA 13+75.00	RT	1	64	1	1
TOTAL		1	64	1	1

SLUICE GATE ACCESS PLATFORM SCHEDULE						
LOCATION	SIDE	CAST-IN-PLACE RC END SECTIONS, 60" (SPECIAL)	FURNISHING & ERECTING STRUCTURAL STEEL	SLUICE GATE, ALUMINUM, 60" x 60"	REINFORCEMENT BARS	ANCHOR BOLTS, 3/4"
		X5428860 (EACH)	50500405 (POUND)	(EACH)	50800105 (POUND)	52100510 (EACH)
IL 100						
STA 13+75.00	RT	1	4,514	1	1,980	24
TOTAL		1	4,514	1	1,980	24

RIPRAP			
LOCATION	SIDE	STONE RIPRAP, CLASS A4	FILTER FABRIC
		28100107 (SQ YD)	28200200 (SQ YD)
17+35 TO 17+65	RT	200	200
TOTAL		200	200

SEEDING SCHEDULE												
LOCATION	SIDE	TREE REMOVAL	PERIMETER EROSION CONTROL	SEEDING CLASS 2	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	AGRICULTURAL GROUND LIMESTONE	MULCH METHOD 2	EROSION CONTROL BLANKET		
		20100500 (ACRE)	28000400 (FOOT)	25000200 (ACRE)	25000400 (POUND)	25000500 (POUND)	25000600 (POUND)	250000700 (TON)	25100115 (ACRE)	25100630 (SQ YD)		
BERM												
STA 7+00.00	TO	STA 18+00.00	RT	1.21	1,410.00	1.99	179.10	179.10	179.10	3.98	1.99	5,623.50



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

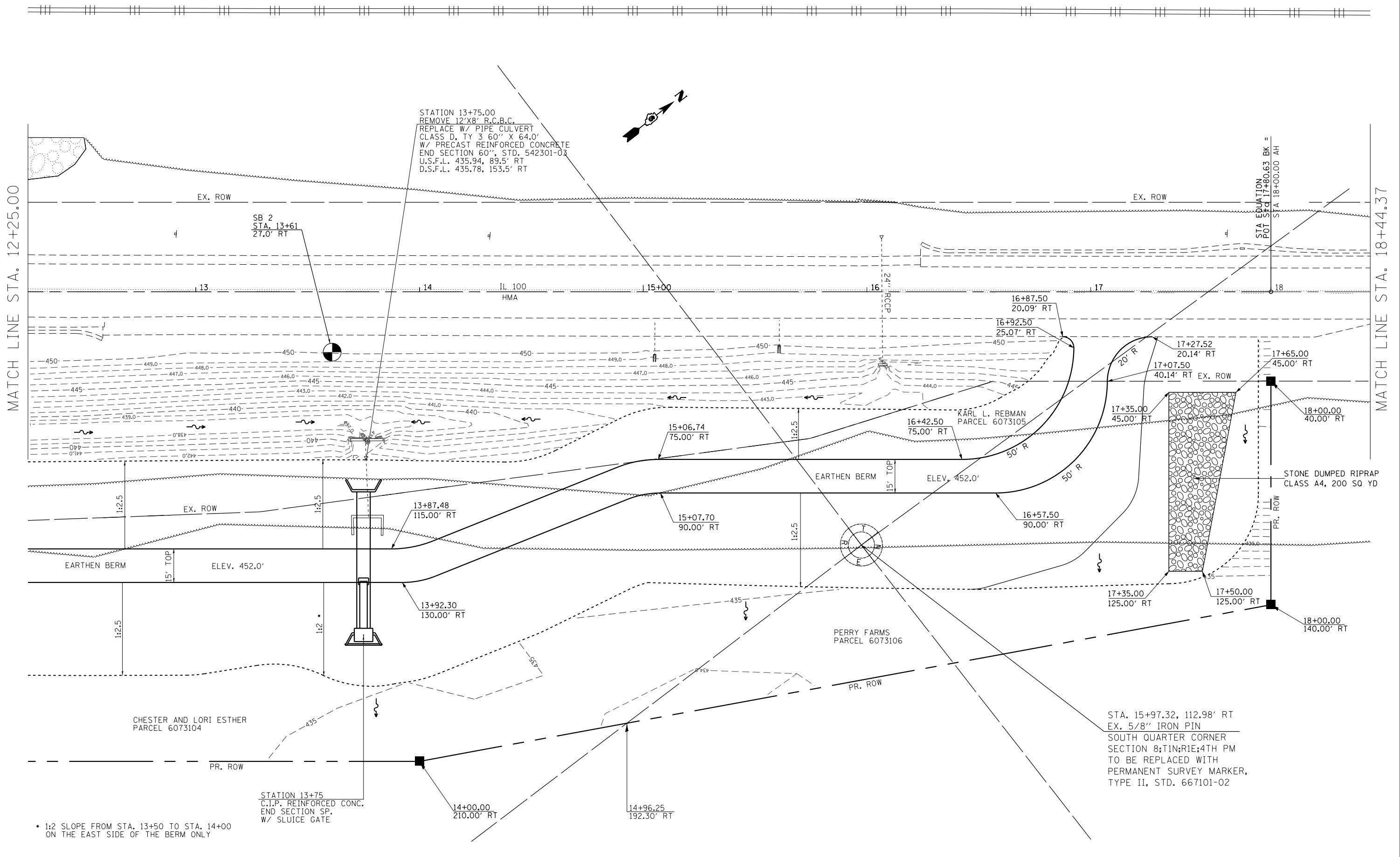
**PLAN SHEETS
FAP 612 (IL 100)**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
612	(112)T	SCHUYLER	34	5
CONTRACT NO. 72G49			ILLINOIS FED. AID PROJECT	

MATCH LINE STA. 12+25.00

MATCH LINE STA. 18+44.37



STATION 13+75.00
 REMOVE 12'X8' R.C.B.C.
 REPLACE W/ PIPE CULVERT
 CLASS D, TY 3 60" X 64.0"
 W/ PRECAST REINFORCED CONCRETE
 END SECTION 60", STD. 542301-03
 U.S.F.L. 435.94, 89.5' RT
 D.S.F.L. 435.78, 153.5' RT

SB 2
 STA. 13+61
 27.0' RT

STA EQUATION
 POT. STA. 17+80.63 BK =
 STA 18+00.00 AH

• 1:2 SLOPE FROM STA. 13+50 TO STA. 14+00
 ON THE EAST SIDE OF THE BERM ONLY

STATION 13+75
 C.I.P. REINFORCED CONC.
 END SECTION SP.
 W/ SLUICE GATE

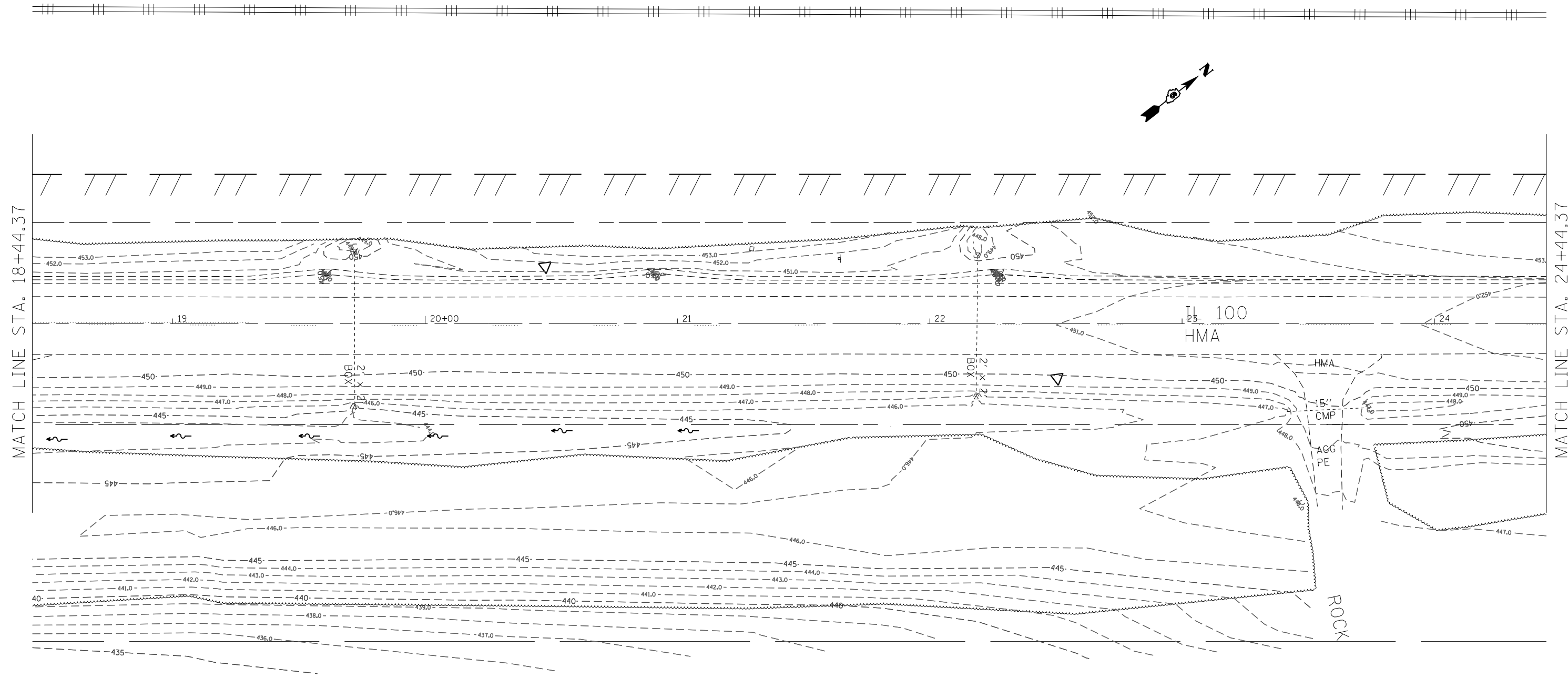
STA. 15+97.32, 112.98' RT
 EX. 5/8" IRON PIN
 SOUTH QUARTER CORNER
 SECTION 8; T1N; R1E; 4TH PM
 TO BE REPLACED WITH
 PERMANENT SURVEY MARKER,
 TYPE II, STD. 667101-02

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Sheet 2	PLOT SCALE = 40.0000' / in.	DATE -	REVISED -
	PLOT DATE = 2/2/2015		

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PLAN SHEETS FAP 612 (IL 100)			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
612	(112)T	SCHUYLER	34	6
CONTRACT NO. 72G49			ILLINOIS FED. AID PROJECT	



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

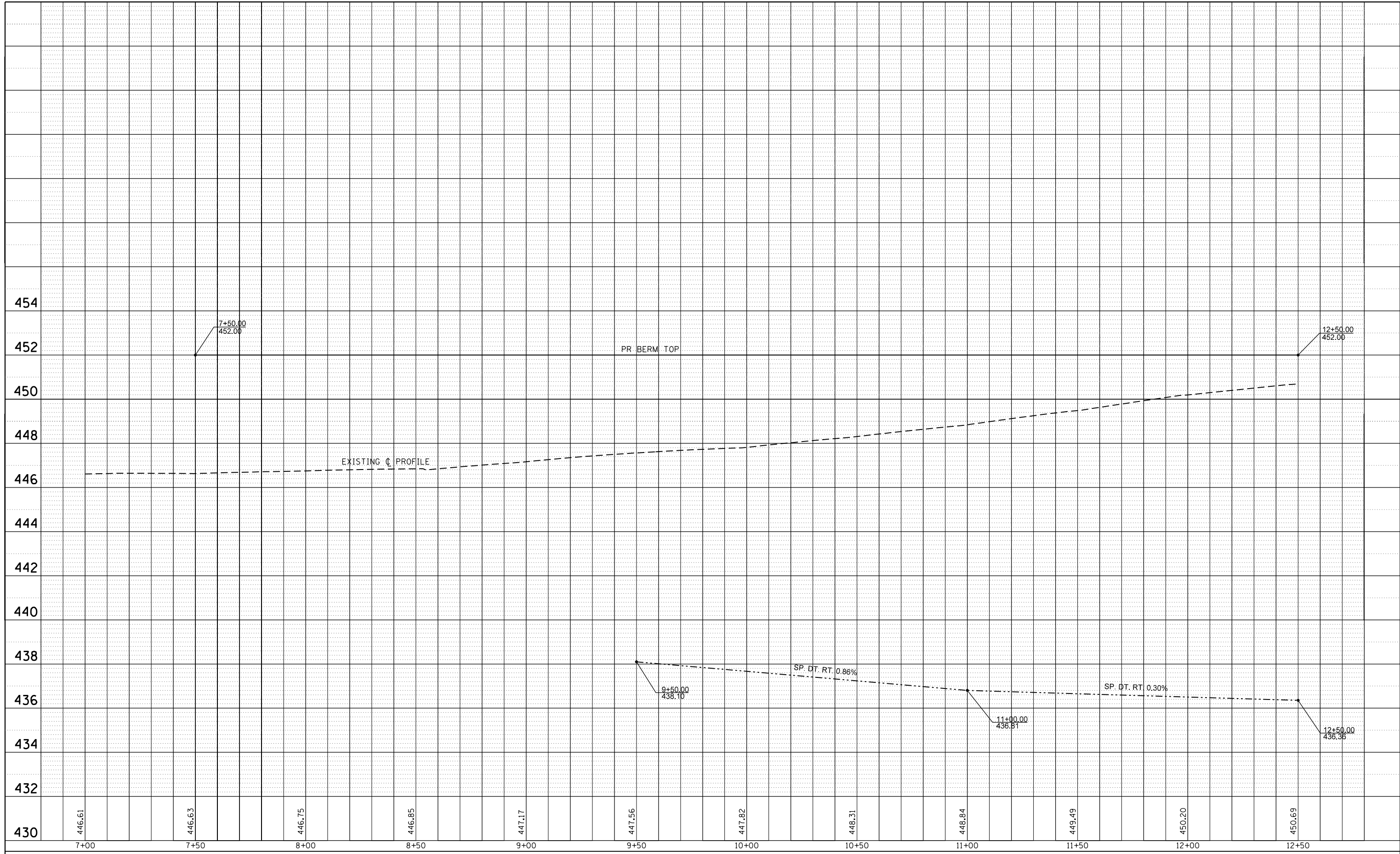
**PLAN SHEETS
FAP 612 (IL 100)**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
612	(112)T	SCHUYLER	34	7
CONTRACT NO. 72G49			ILLINOIS FED. AID PROJECT	

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

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE		
	NOT AT THIS OFFICE		
	NO.		
	NOTE BOOK		



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	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
Default	PLOT DATE = 2/2/2015	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

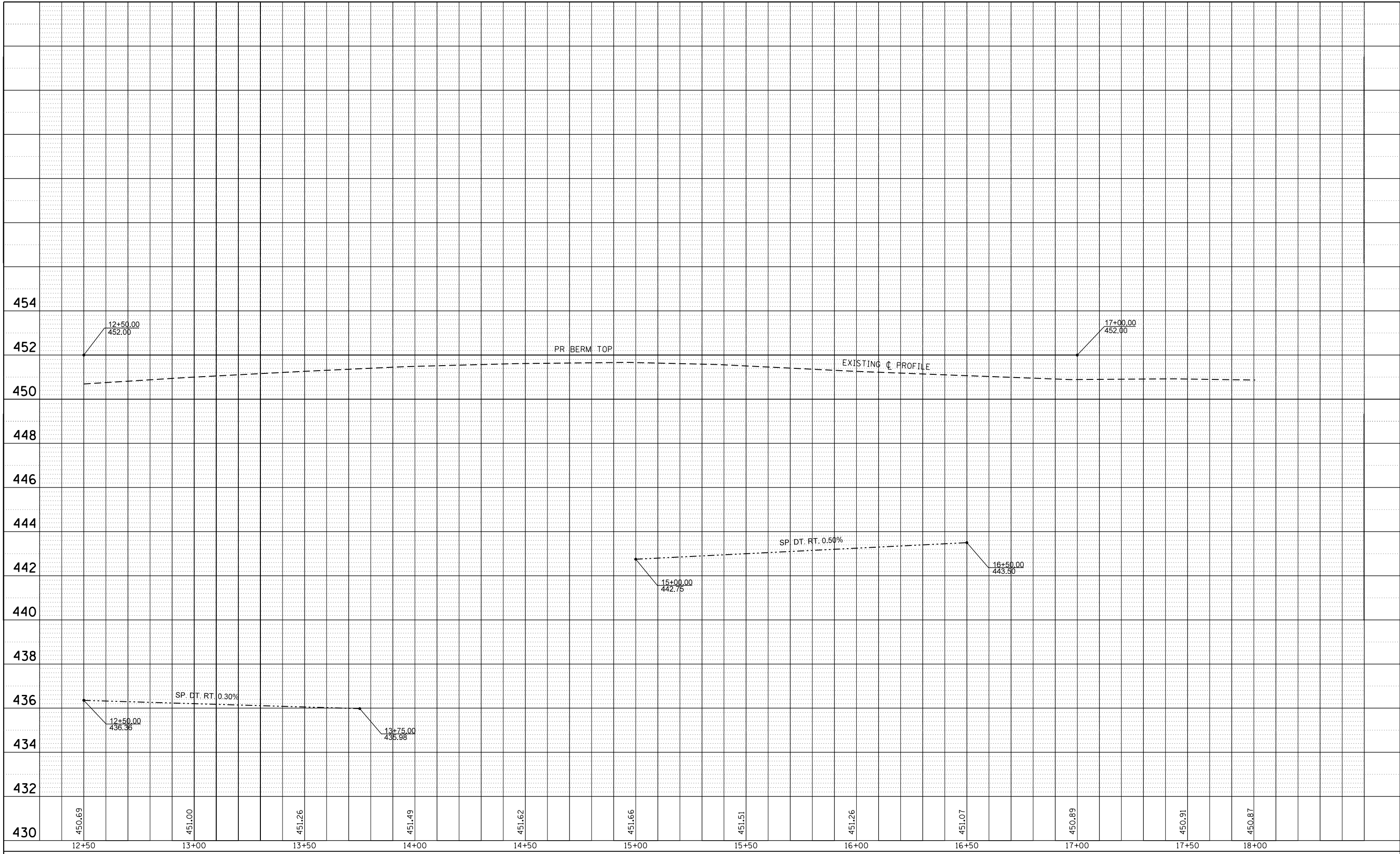
**PROFILE SHEET
FAP 612 (IL 100)**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
612	(112)T	SCHUYLER	34	8
CONTRACT NO. 72G49			ILLINOIS FED. AID PROJECT	

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	ALIGNMENT CHECKED		
	NO. _____		
	CADD FILE NAME		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	NO. _____		
	STRUCTURE NOTATIONS CHECKED		



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		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROFILE SHEET
FAP 612 (IL 100)**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
612	(112)T	SCHUYLER	34	9
CONTRACT NO. 72G49				
ILLINOIS FED. AID PROJECT				

STORM WATER POLLUTION PREVENTION PLAN

Route: FAP 612 Marked: IL 100
 Section: (112)T Project No.: D-96-018-14
 County: SCHUYLER Contract No.: 72049
 Starting Station: 7+00 (Longitude: 40°4' 13.62" Latitude: -90°25' 40.27")
 Ending Station: 18+00 (Longitude: 40°4' 16.69" Latitude: -90°25' 35.28")

This plan has been prepared to comply with the provision of the NPDES Permit Number ILR10 issued by the Illinois Environmental Protection Agency for storm water discharges from construction site activities.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information submitted, is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Roger Z Smith
 (Signature) 1-30-2015
 (Date)

Rogers 4 Engineer
 (Title)

Note: The above boxed in area will be filled out by IDOT - Construction after the award of the contract to obtain the required NPDES permit.

The following plan was established and included in these plans to direct the Contractor in the placement of temporary erosion control systems and to provide a storm water pollution prevention plan for compliance under NPDES. The Contractor shall abide to all requirements within this plan as part of the contract.

The purpose of this plan is to prevent / minimize siltation within the construction zone and to eliminate sediments from entering and leaving the construction zone by utilizing proper temporary erosion control systems and providing ground cover within a reasonable time.

Certain items, as shown in this plan and referenced by the legend, shall be placed by the Contractor at the beginning of construction. Other items shall be placed by the Contractor as directed by the Engineer on a case by case situation resulting from the Contractor's sequence of activities, time of the year, and expected weather conditions.

The Contractor shall place permanent erosion control systems and seeding within a reasonable amount of time; therefore, reducing the amount of area being open to the possibility of erosion and reducing the amount of temporary erosion control systems and temporary seeding. The Resident Engineer will determine if temporary erosion control systems shown in the plan can be deleted, the size of the proposed ditch checks, the proper method of installation, and if any additional temporary erosion control systems shall be added which are not included in this plan. The Contractor shall perform all work as directed by the Engineer and as shown in special details and in Standard 280001 of the plans.

All disturbed areas having high potential for erosion, as determined by the Engineer, shall be temporarily seeded or permanently seeded by October 1st of each construction year and shall not be reopened until after the winter shutdown period.

SITE DESCRIPTION

1. The proposed project is located on FAP 612 (IL 100) in Schuyler County. The Project Limits run from the BNSF RR viaduct in Frederick to 0.21 miles North of the BNSF RR.

Description of Construction Activity:

2. The proposed project consists of building a flood control earthen berm with a 60" outlet culvert controlled by a gate valve, all east of the railroad viaduct.

Description of Intended Sequence of Major Construction Activities Which Will Disturb Earth and Lead to Possible Erosion for Major Portions of the Construction Site:

1. Tree removal will be completed to clear approximately 1.21 acres of wooded land.
2. Excavation will be completed along station 7+00 to 18+00 to accommodate for berm build up and culvert. Placement of perimeter erosion barrier.
3. Final grading and shaping of berm and ditches.
4. Maintenance, removal and proper clean-up of temporary erosion control measures such as temporary erosion barriers, ditch checks, etc.
5. Seeding will be completed for approximately 1.99 acres within the construction limits. Placement of erosion control blanket.

Area of Construction Site:

The total earthwork area disturbed by excavation and grading for the berm build up and culvert placement is 1.99 acres.

Other Reports, Studies and Plans which Aid in the Development of this Storm Water Pollution Prevention Plan as Referenced Documents:

1. Plan sheets indicating approximate earthwork slopes in the final project plans were utilized for proposed placement of the temporary erosion control measures.

Drainage Tributaries Receiving Water from this Construction Site:

1. Illinois River

FILE NAME *	USER NAME * top100	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STORM WATER POLLUTION PREVENTION PLAN				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT DATE = Jan-30-2015 11:41:03AM										CONTRACT NO. 72049		

CONTROLS - EROSION CONTROLS AND SEDIMENT CONTROLS

Description of Stabilization Practices at the Beginning of Construction:

1. The area between the existing and proposed right-of-way/temporary easement boundaries and limits of the project will be improved and managed for the purposes of controlling erosion within the area, reducing water flow by temporary diversion and minimizing siltation into the construction zone, and establishing vegetative cover which will become permanent vegetation and act as an erosion barrier. Work at the beginning of construction will consist of the following:
 - (a) Areas of existing vegetation (woods and grasslands) outside the proposed construction slope limits shall be identified for preserving and shall be protected from mowing, brush cutting, tree removal and other activities which would be detrimental to their maintenance and development.
 - (b) Dead, diseased, or unsuitable vegetation within the site shall be removed as directed by the Engineer, along with required tree removal.
 - (c) As soon as reasonable access is available (such as trees cleared) to all locations where water drains away from the project, sediment basins, riprap ditch checks, temporary ditch checks, and/or erosion control fence shall be installed as called out in this plan and directed by the Engineer.
 - (d) Bare and sparsely vegetated ground in highly erodable areas as determined by the Engineer shall be temporarily seeded at the beginning of construction where no construction activities are immediately expected as stated in the special provision "Temporary Erosion and Sediment Control".
 - (e) Immediately after tree removal is completed in certain areas which are highly erodable areas as determined by the Engineer, the areas shall be temporarily seeded where no construction activities are immediately expected as stated in the special provision "Temporary Erosion and Sediment Control".
 - (f) At locations where a significant amount of water drains into the construction zone from outside areas (adjacent landowners), erosion control fence, temporary ditch checks, or riprap ditch checks will be utilized to locally divert water, reduce flow rates, and collect outside siltation inside the right-of-way line. Erosion control items will not be allowed to be installed to cause flooding to upstream private property which could cause crop damages or other undesirable conditions.
2. Establishment of these temporary erosion control measures will have additional benefits to the project. Desirable grass seed will become established in these areas and will spread seeds onto the construction site until permanent seeding/mowing and overseeding can be complete.
3. A third benefit of these filter areas is that they will begin to provide a screen and buffer. They will help protect the construction site from winds and excess sun and mitigate construction noise and dust.

Description of Stabilization Practices During Construction:

1. During roadway construction, areas outside the construction slope limits as outlined previous herein shall be protected from damaging effects of construction. The Contractor shall not use this area for staging (except as designated on the plans or directed by the Engineer), parking of vehicles or construction equipment, storage of materials, or other construction related activities.
 - (a) Within the construction zone, critical areas which have high flows of water as determined by the Engineer shall remain undisturbed until full scale construction is underway to prevent unnecessary soil erosion.
 - (b) Top soil and earth stockpiles shall be temporarily seeded if they are to remain unused for more than fourteen days.
 - (c) As the Contractor constructs a portion of roadway in a fill section, he/she shall follow the following steps as directed by the Engineer:
 - i. Place temporary erosion control systems at locations where water leaves and enters the construction zone
 - ii. Temporary seed highly erodable areas outside the construction slope limits
 - iii. Construct roadside ditches and provide temporary erosion control systems
 - iv. Temporary divert water around proposed culvert locations
 - v. Build necessary embankment at culvert locations and then excavate and place culvert
 - vi. Continue building up the embankment to the proposed grade while at the same time place permanent erosion control such as riprap ditch lining and conduct final shaping to the slopes
 - (d) The Contractor shall immediately follow major earth moving operations with final grading equipment. After the major earth spread operation has moved to a new location, final grading shall be completed within fourteen days. If grading is not completed within fourteen days, all major earth moving operations will be stopped, as directed by the Engineer, until disturbed areas are final graded and seeded.
 - (e) Excavated areas and embankments shall be permanently seeded when final graded. If not, they shall be temporarily seeded as stated in the special provision "Temporary Erosion and Sediment Control".

(f) Construction equipment shall be stored and fueled only at designated locations. All necessary measures shall be taken to contain any fuel or pollution run-off in compliance with EPA water quality regulations. Leaking equipment or supplies shall be immediately repaired or removed from the site.

(g) Qualified Personnel shall inspect the project at least every seven days and within 24 hours of the end of a storm that is 0.5 inch or greater as noted in BDE 2342.

(h) Sediment collected during construction by the various temporary erosion control systems shall be disposed of on the site on a regular basis as directed by the Engineer.

(i) The temporary erosion control systems shall be removed as directed by the Engineer after use is no longer needed or no longer functioning. The costs of this removal shall be included in the unit bid price for the various temporary erosion control pay items. No additional compensation will be allowed.

Description of Structural Practices After Final Grading:

1. Temporary erosion control systems shall be left in place with proper maintenance until permanent erosion control is in place and working properly and all proposed turf areas seeded and established with a proper stand.
2. Once permanent erosion control systems as proposed in the plans are functional and established, temporary items shall be removed, cleaned up, and disturbed turf reseeded. Temporary riprap ditch checks will be allowed to remain in place where approved by the Engineer.

Maintenance after Construction:

1. Construction is complete after acceptance is received at the final inspection.
2. Areas will be inspected on a regular basis by IDOT District 6 Bureau of Operations.
3. Maintenance crews will perform regular mowings to aid in keeping weeds down and establishing a good roadside seed stand.
4. Maintenance crews will also aid in any ditch lining maintenance or in any drainage problems.
5. All maintenance will be conducted at times when weather conditions will not cause site damage.

DOCUMENTATION

1. A report summarizing the scope of the inspection, name(s) and qualifications of personnel making the inspection, date(s) of the inspection, major observations relating to the implementation of this storm water pollution prevention plan, and actions taken in accordance with Section 4.b, shall be made and retained as part of the plan for at least three years after the date of inspection. The report shall be signed in accordance with part VI.G of the general permit.
2. If any violation of the provisions of this plan is identified during the conduct of the construction work covered by this plan, the Resident Engineer or Resident Technician shall complete and file an "Incident of Noncompliance (ION)" report for the identified violation. The Resident Engineer or Resident Technician shall use forms provided by the Illinois Environmental Protection Agency and shall include specific information on the noncompliance, actions which were taken to prevent any further causes of noncompliance, and a statement detailing any environmental impact which may have resulted from the noncompliance. All reports of noncompliance shall be signed by a responsible authority in accordance with Part VI.G. of the general permit. The report of noncompliance shall be mailed to the following address:

Illinois Environmental Protection Agency
 Division of Water Pollution Control
 2200 Churchill Road, P.O. Box 19276
 Springfield, IL 62794-9276
 Attn: Compliance Assurance Section

FILE NAME =	USER NAME = pricesa	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STORM WATER POLLUTION PREVENTION PLAN				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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Default	PLOT SCALE = 40.0000' / in.	DATE -	REVISED -						CONTRACT NO. 72G49				
	PLOT DATE = 2/2/2015								SCALE:	SHEET	OF	SHEETS	STA.

CONTRACTOR CERTIFICATION STATEMENT

This certification statement is part of the Storm Water Pollution Plan for the project described below in accordance with NPDES Permit No. ILR10 _____, issued by the Illinois Environmental Protection Agency on _____.

Route: FAP 612 Marked: IL 100

Section: (112)T Project No.: D-96-018-14

County: SCHUYLER Contract No.: 72G49

I certify under penalty of law that I understand the terms of the general National Pollutant Discharge Elimination System (NPDES) permit that authorizes the storm water discharges associated with industrial activity from the construction site identified as part of this certification.

In addition, I have read and understand all of the information and requirements stated in the SWPPP for the above mentioned project; I have received copies of all appropriate maintenance procedures; and, I have provided all documentation required to be in compliance with the Permit ILR10 and SWPPP and will provide timely updates to these documents as necessary.

Signature _____ Date _____

Title _____

Name of Firm _____ Contractor

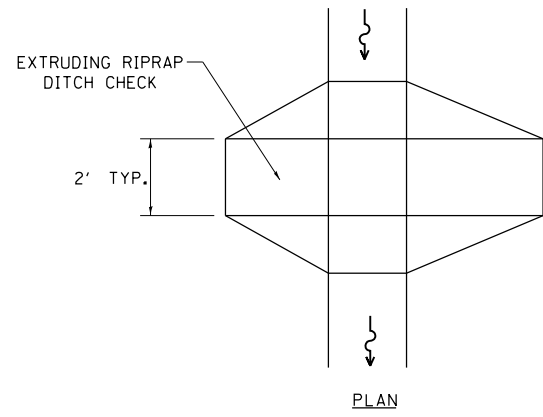
Street Address _____ Subcontractor

City, State, Zip _____

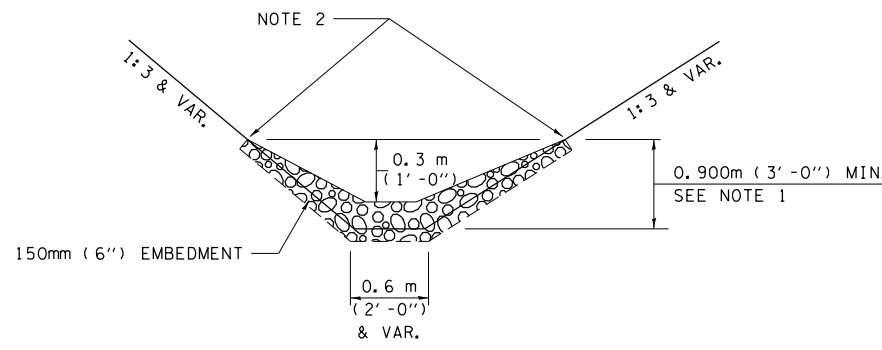
Phone Number _____

Note: The above boxed in area shall be filled out by the Contractor after the award of the contract to obtain the required NPDES Permit from IEPA. This is a requirement for this contract.

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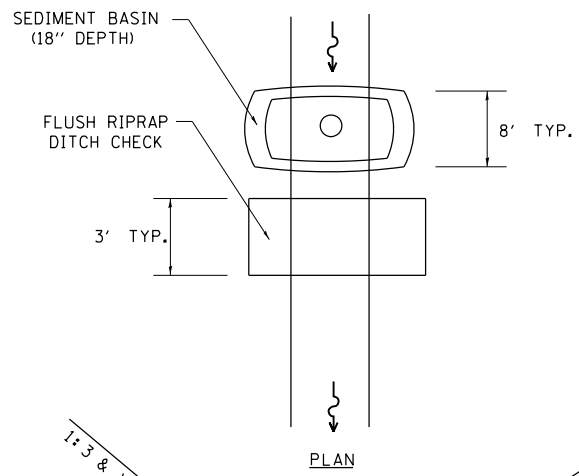
PLAN



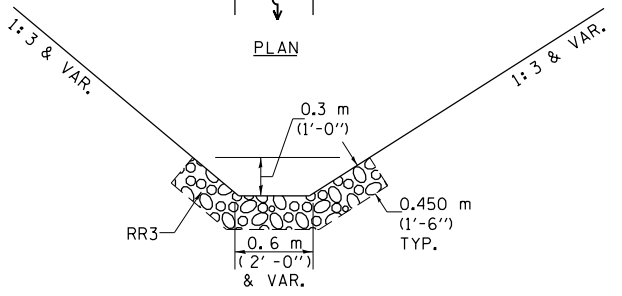
ELEVATION

OPTION 1

(EXTRUDING DITCH CHECK)
RECOMMENDED FOR AREAS
W/ RIPRAP DITCH LINING



PLAN



ELEVATION

OPTION 2

(FLUSH DITCH CHECK)
RECOMMENDED FOR AREAS
W/O RIPRAP DITCH LINING

STONE DUMPED RIPRAP DITCH CHECK

OPTIONS 1 & 2 OR
AS DIRECTED BY THE ENGINEER

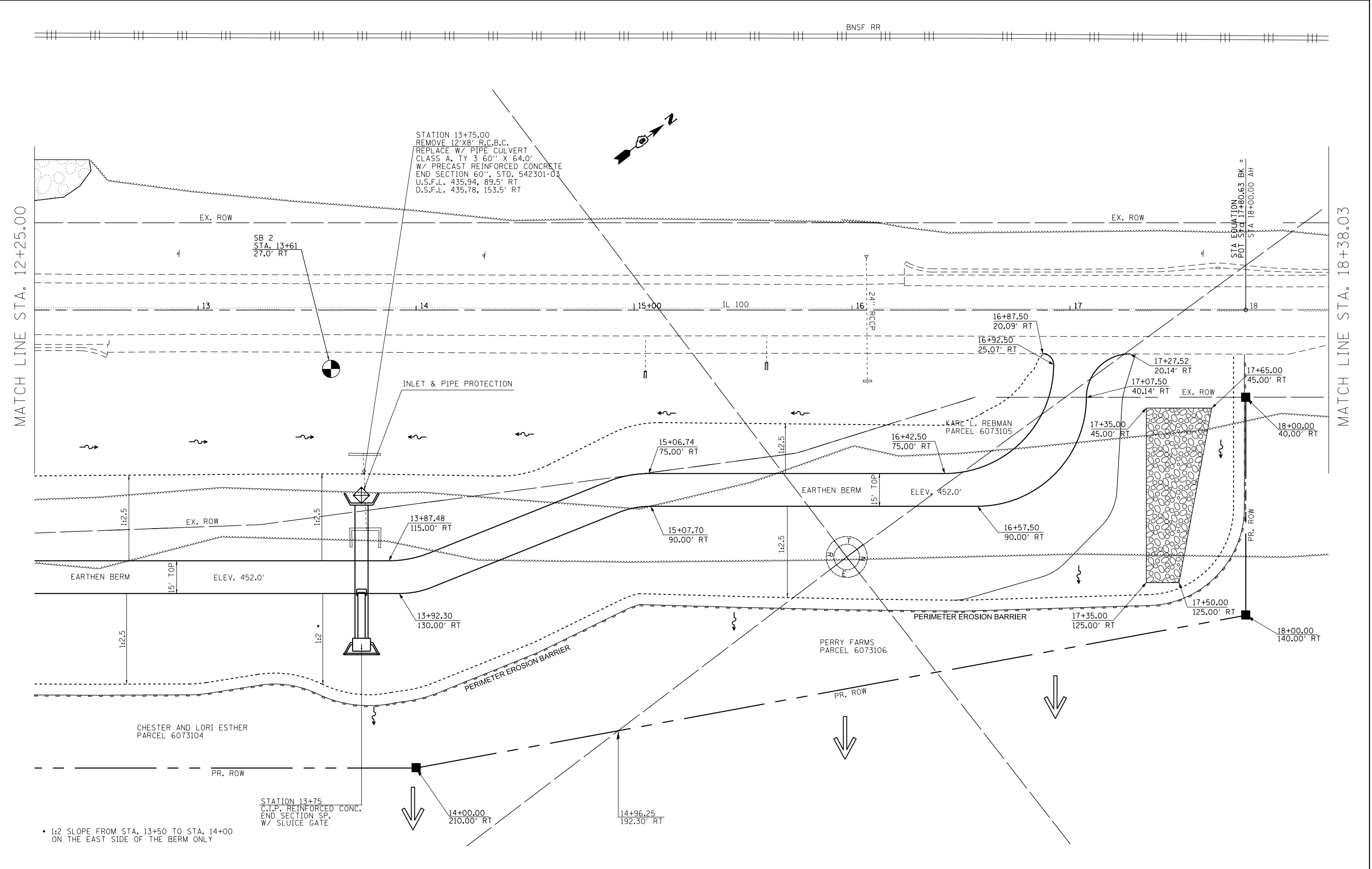
NOTE 1: RIPRAP SHALL EXTEND FAR ENOUGH UP THE SLOPES TO ALLOW 0.3m (1') OVERTOPPING TO AVOID ERODING AROUND THE EDGES OF THE RIPRAP.

NOTE 2: ENDS SHALL BE TIED INTO SLOPES.

LEGEND FOR STORM WATER POLLUTION PREVENTION PLAN

ITEM	SYMBOL
AGGREGATE DITCH CHECKS	
INLET PIPE PROTECTION	
PERIMETER EROSION BARRIER	
SEDIMENT BASINS	
EARTH EXCAVATION FOR EROSION CONTROL AGGREGATE (EROSION CONTROL)	
PRESERVE EXISTING TREES, WOODLANDS, AND UNDERSTORY (OUTSIDE CONSTRUCTION LIMITS)	
ITEM PLACED AT BEGINNING OF CONSTRUCTION (Requirement)	
ITEM PLACED AS DIRECTED BY ENGINEER (When required by situation)	
DIRECTION OF OVERLAND FLOW	

GENERAL NOTES:
All items shall be constructed as shown on this sheet, on Standard 280001, and as directed by the Engineer.



FILE NAME =	USER NAME = pricesa	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STORM WATER POLLUTION PREVENTION PLAN			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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					ILLINOIS FED. AID PROJECT							

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INDEX OF SHEETS

- 1 General Plan
- 2 Foundation Plan
- 3 Framing Plan
- 4-5 Structural Steel Details
- 6-7 Cast-In-Place End Section

GENERAL NOTES

Fasteners shall be ASTM A325 Type 1, mechanically galvanized bolts. Bolts $\frac{5}{8}$ in. ϕ , holes $\frac{1}{16}$ in. ϕ , unless otherwise noted. Anchor bolts shall be $\frac{3}{4}$ in. ϕ x 12" ASTM F 1554 Grade 36 with 2" x 2" x $\frac{1}{4}$ " \square washer under nut.

Calculated weight of ASTM A992 Grade 50 Structural Steel = 216 Pounds.
 Calculated weight of Grade 36 Structural Steel = 2,965 Pounds.
 Calculated weight of ASTM A53 Grade 35 (Std. Pipes) Structural Steel = 352 Pounds.
 Calculated weight of ASTM F436 (Washers) Structural Steel = 17 Pounds.
 Calculated weight of ASTM A-1011 (Grating) Steel = 964 Pounds.

All structural steel shall conform to the following grades unless otherwise noted:
 a. W shapes - ASTM A992 Grade 50 (Fy=50 ksi)
 b. Plate, Angles, and C shapes - ASTM A36 (Fy=36 ksi)
 c. Pipes - ASTM A53 (Fy=35 ksi)
 d. Washers - (Galvanized) ASTM F436

No field welding is permitted except as specified in the contract documents.
 All Structural Steel, handrail and posts shall be hot-dipped galvanized. See Special Provision.
 Repair galvanized surfaces according to ASTM A780.

Handrail and posts shall be shop welded. Handrails shall have two rails and be ground smooth at joints.

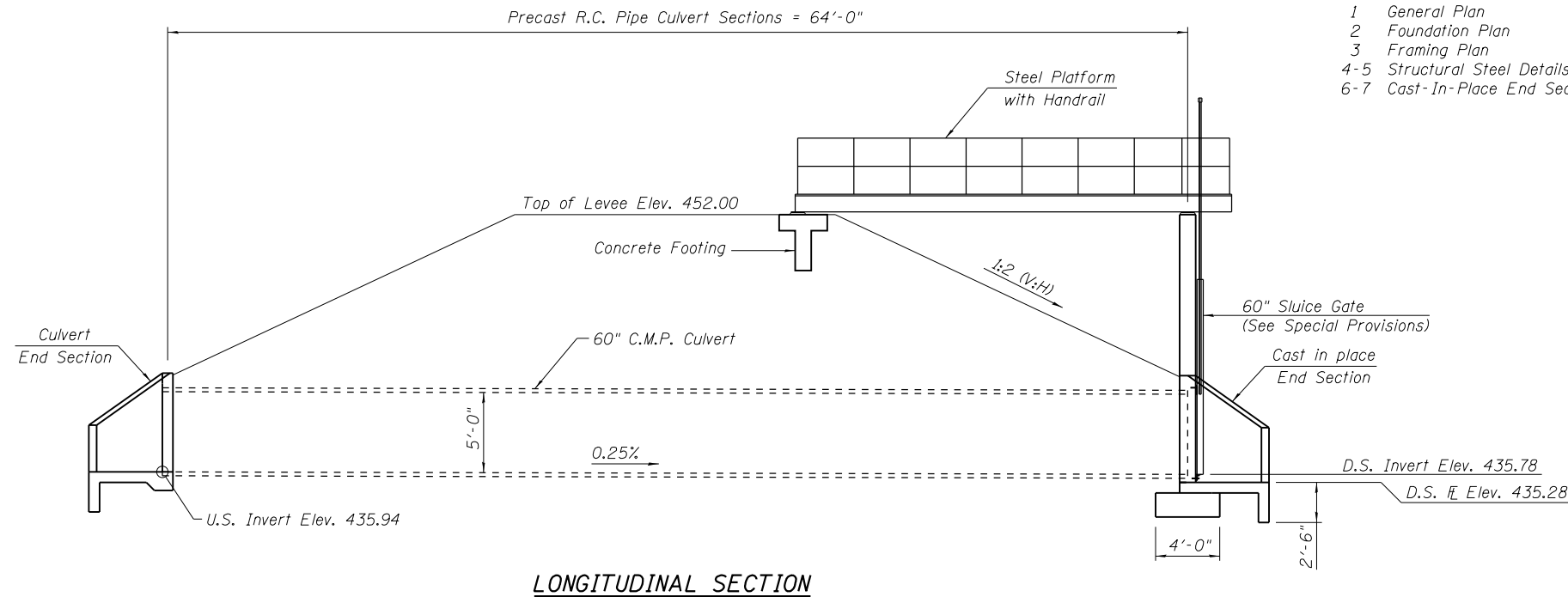
Shop assemble frames to verify connections prior to galvanizing.

Provide $1\frac{1}{4}$ " x $\frac{3}{16}$ " galvanized, Type 19-W-4, welded steel bar grating. Material shall comply with ASTM A-1011. Attach grating panels with Type H-3 galvanized saddle clips. Each grating panel shall have a minimum of two (2) clips per supporting member. Grating shall be fabricated so that cross bars of adjacent panels are aligned when installed. Exposed ends of the grating shall have welded banding.

Furnishing and Erecting Structural Steel includes structural steel, handrail, posts and grating.

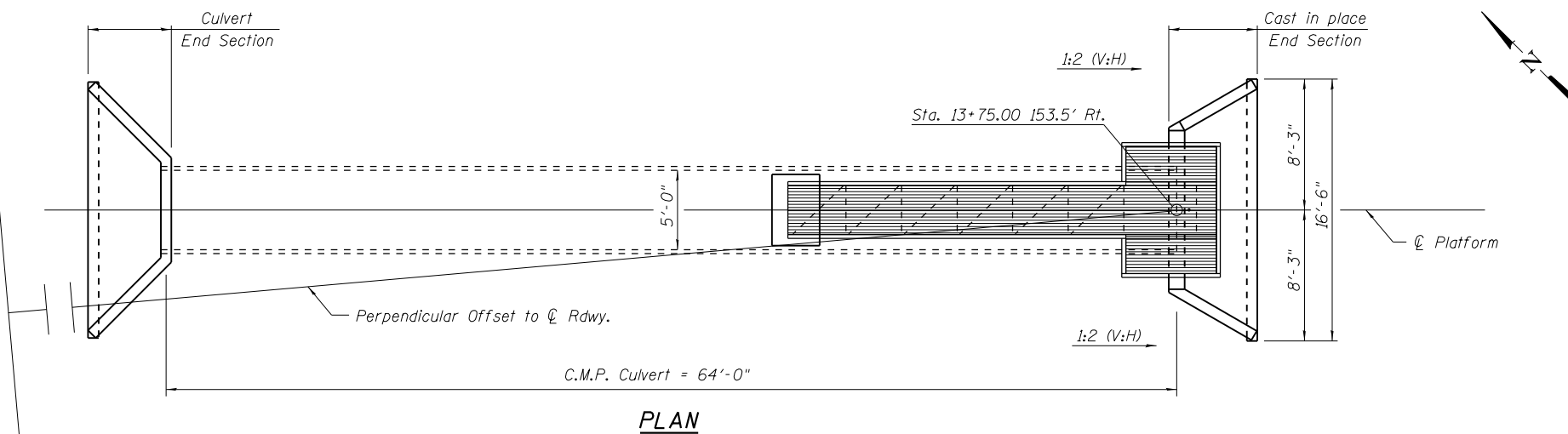
TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Cast-In-Place Reinforced Concrete End Sections 60" (Special)	Each	1
Furnishing & Erecting Structural Steel	Pound	4,514
Sluice Gate, Aluminum, 60" x 60"	Each	1
Reinforcement Bars	Pound	1,980
Anchor Bolts, $\frac{3}{4}$ "	Each	24



LONGITUDINAL SECTION

Note:
 For C.M.P. Culvert and Precast R.C. Headwall details, see Roadway Plans.



PLAN

LOADING (PER IBC 2012)

Catwalk Live Load = 40 PSF
 Catwalk Dead Load = 20 PSF

DESIGN SPECIFICATIONS

2014 AASHTO LRFD Specifications

DESIGN STRESSES

FIELD UNITS

$f'_c = 3,500$ psi
 $f_y = 60,000$ psi (Reinforcement)

GENERAL PLAN
IL 100 DRAINAGE DITCH
F.A.P. RTE. 612 SECTION (112)T
SCHUYLER COUNTY
STATION 13+75.00

KLINGNER & ASSOCIATES, P.C.
 Engineers • Architects • Surveyors
 116 North 24th Street, Quincy, IL 62450
 618 Paris Grand Road, Hannibal, MO 63450
 1101 N. 4th Street, Suite 100, Burlington, IA 52601
 114 North Frame Street, Galena, IL 62421
 Internet Address: www.klingner.com
 STATE OF ILLINOIS DESIGN FIRM # 1842738

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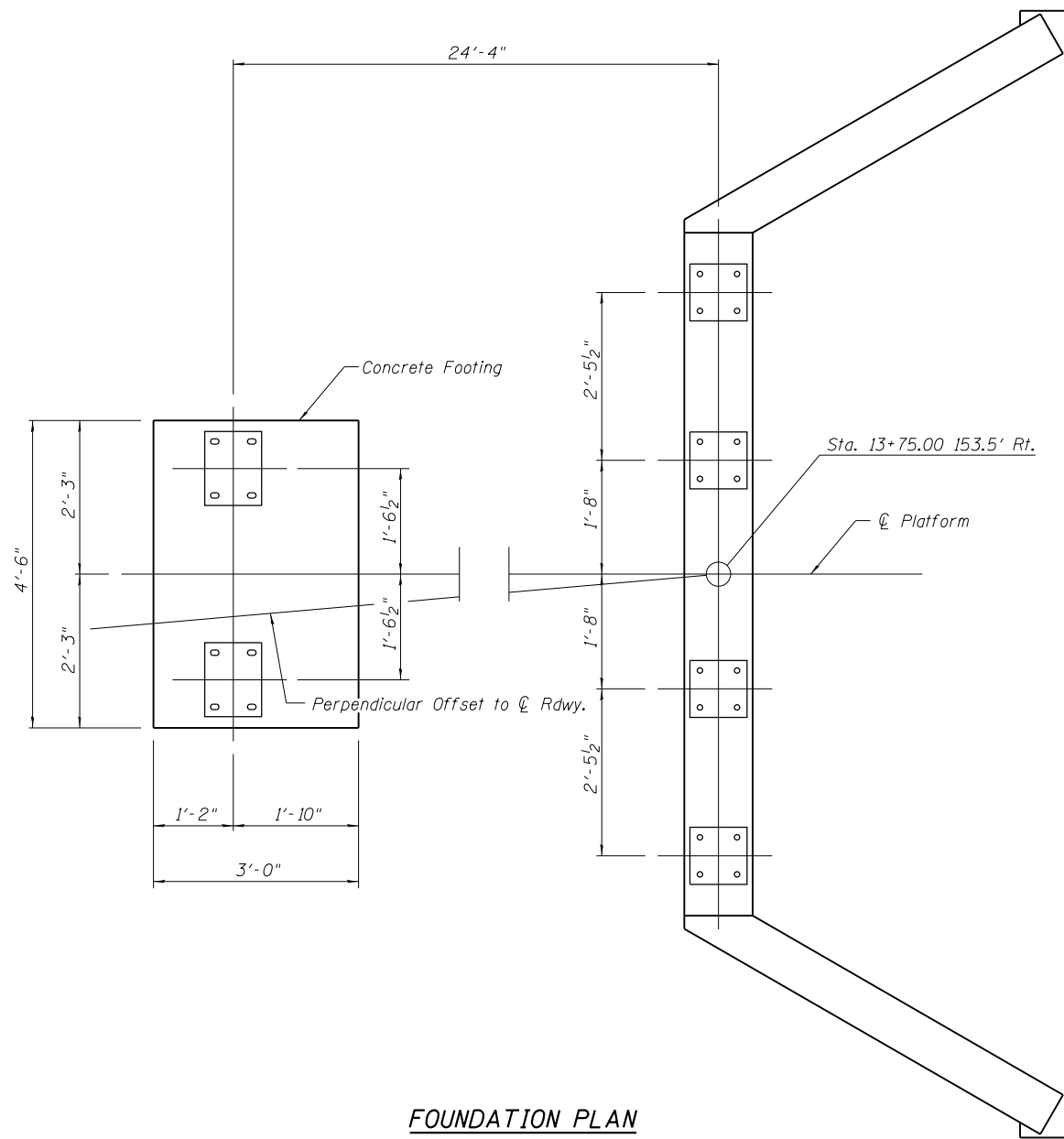
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN
SLUICE GATE ACCESS PLATFORM

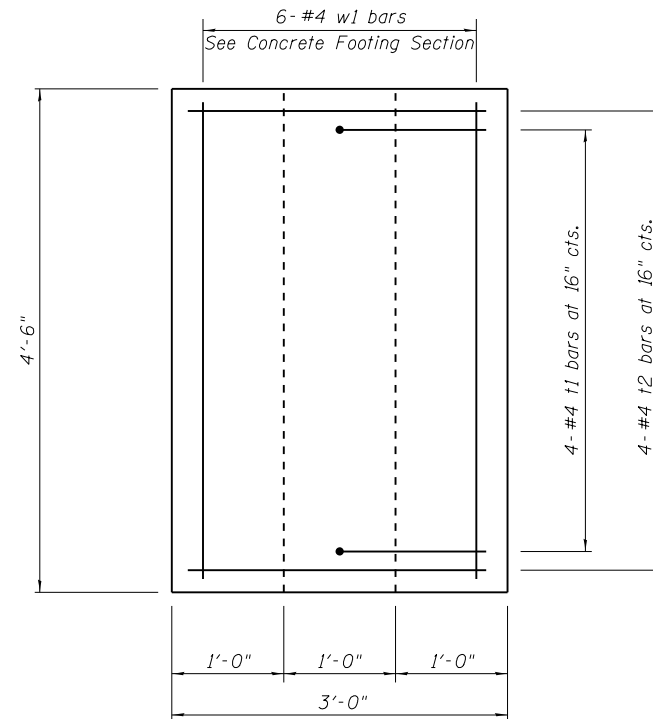
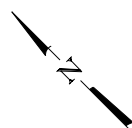
SHEET NO. 1 OF 7 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
612	(112)T	SCHUYLER	34	16
CONTRACT NO. 72G49				

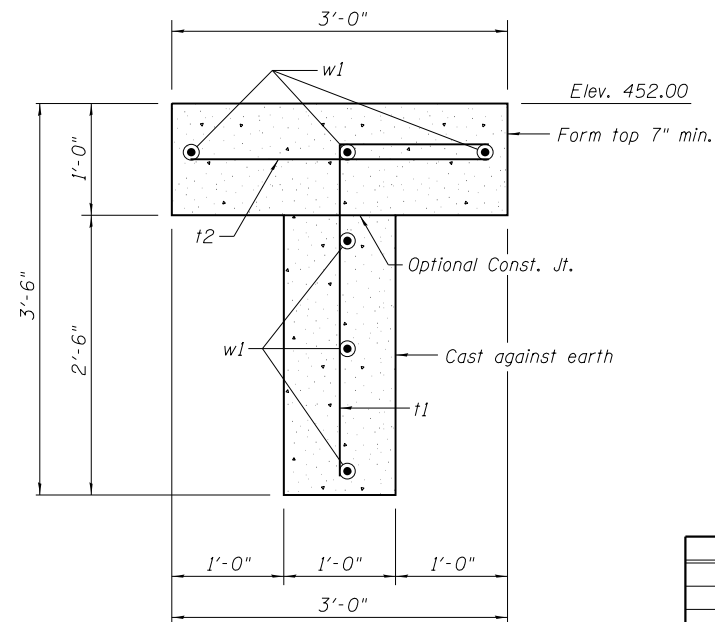
ILLINOIS FED. AID PROJECT
 Klingner & Associates P.C.



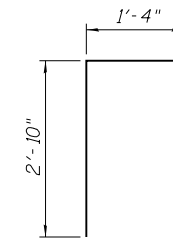
FOUNDATION PLAN



CONCRETE FOOTING PLAN



CONCRETE FOOTING SECTION



BAR t1

BILL OF MATERIAL

Bar	No.	Size	Length	Shape	
t1	4	#4	4'-2"	L	
t2	4	#4	2'-8"	—	
w1	6	#4	4'-2"	—	
ITEM				UNIT	TOTAL
Reinforcement Bars				Pound	30

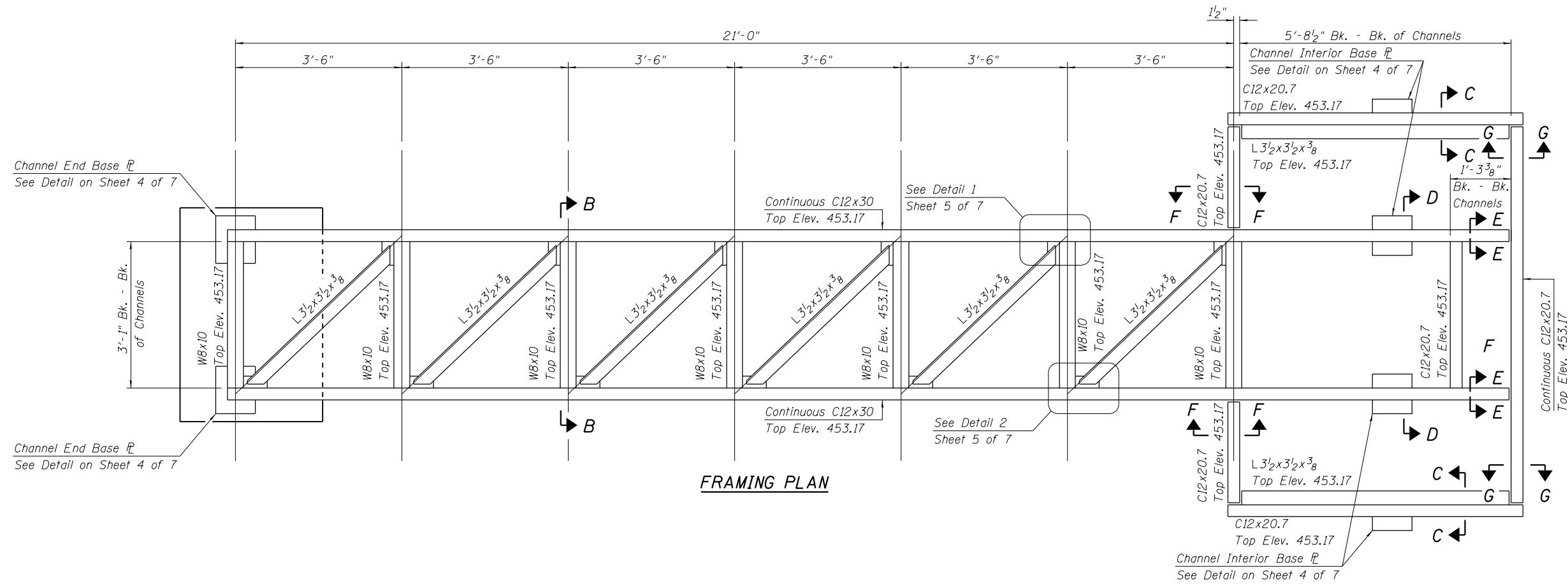
Footing concrete quantity = 0.9 Cu. Yd. Cost included with Cast-In-Place Concrete End Section.

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CONTRACT NO. 72G49				

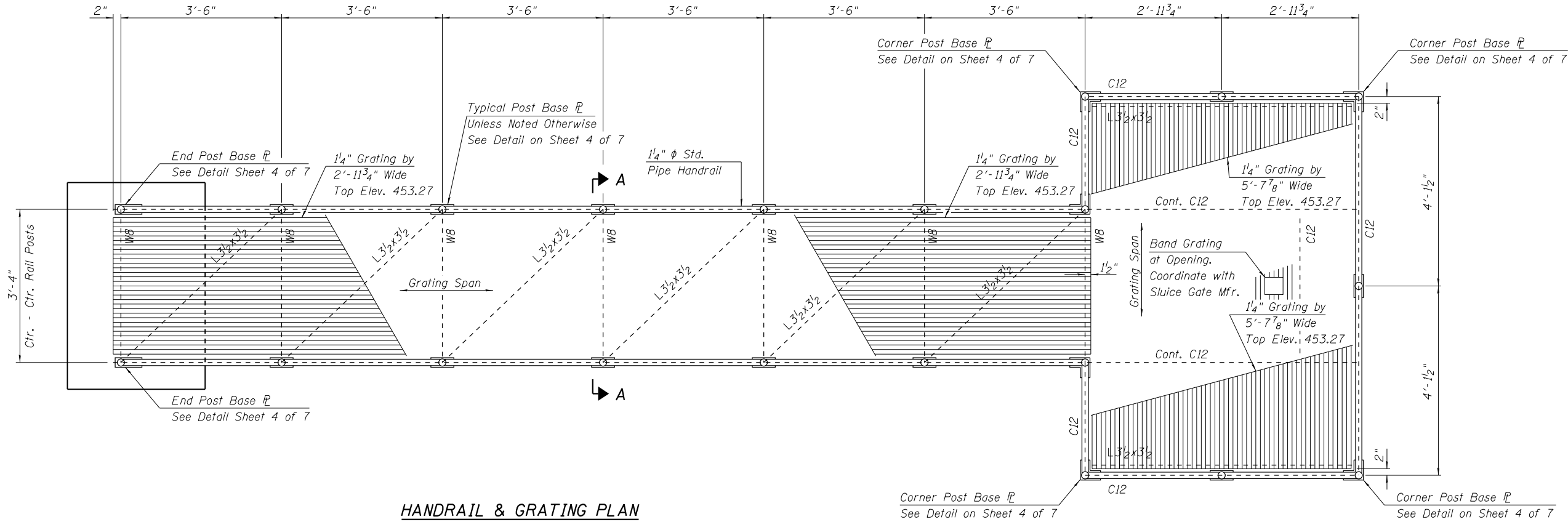
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FRAMING PLAN

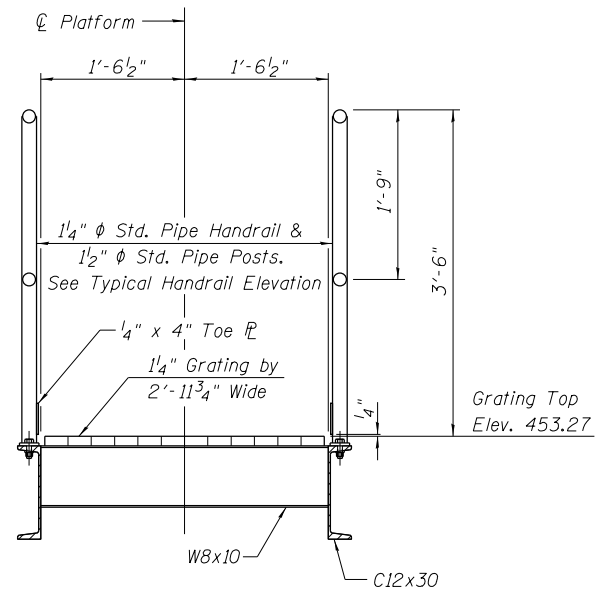
Notes:
For Sections A-A, B-B, C-C, D-D, E-E,
F-F and G-G see Sheet 4 of 7.



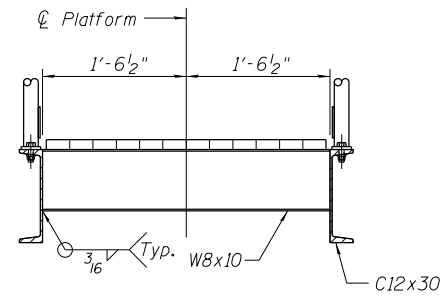
HANDRAIL & GRATING PLAN

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		DRAWN - RJP	REVISD -			CONTRACT NO. 72G49					
		CHECKED - ADL	REVISD -			ILLINOIS FED. AID PROJECT Klingner & Associates P.C.					

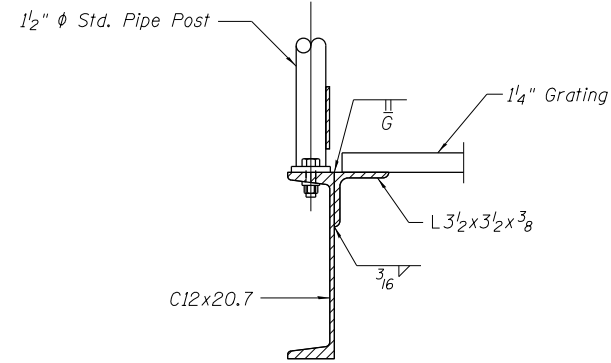
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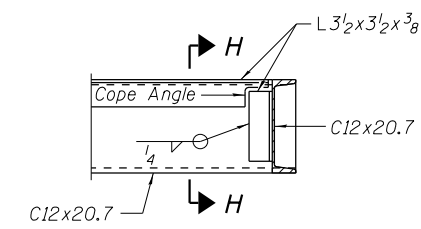
SECTION A-A



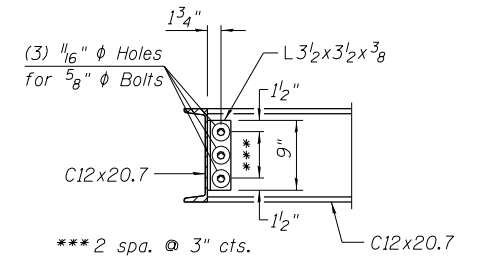
SECTION B-B



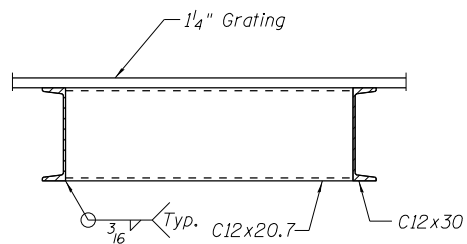
SECTION C-C



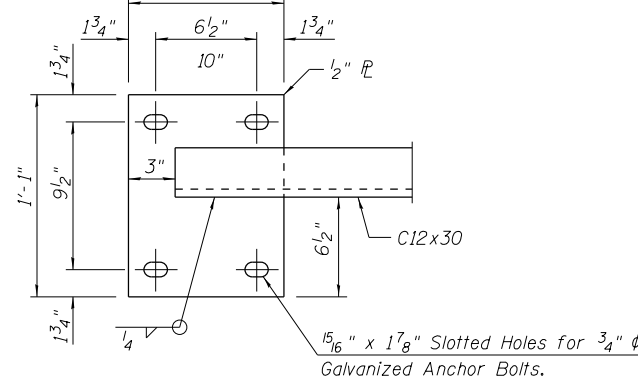
SECTION G-G



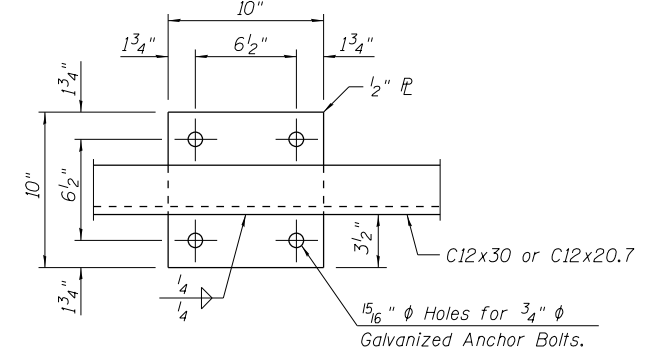
SECTION H-H



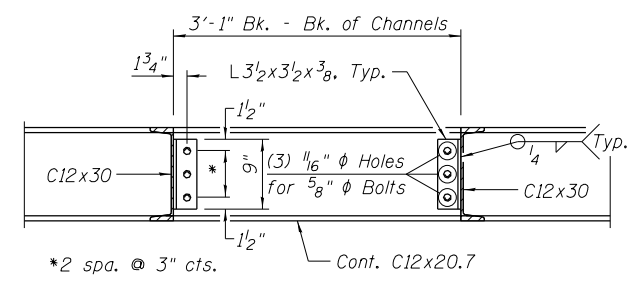
SECTION D-D



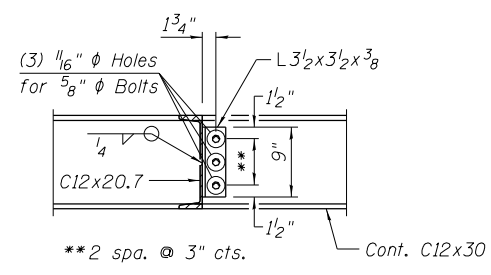
CHANNEL END BASE PLATE
(2 Req'd)



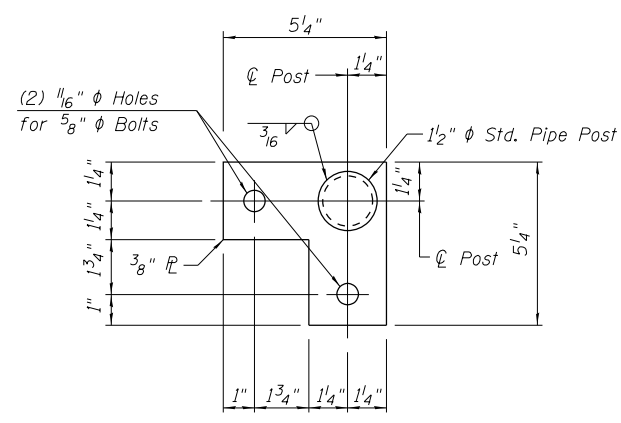
CHANNEL INTERIOR BASE PLATE
(4 Req'd)



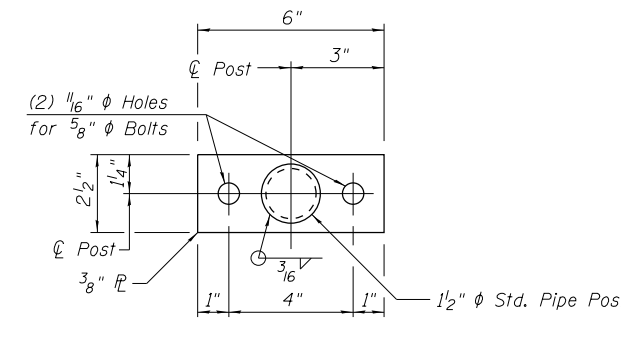
SECTION E-E



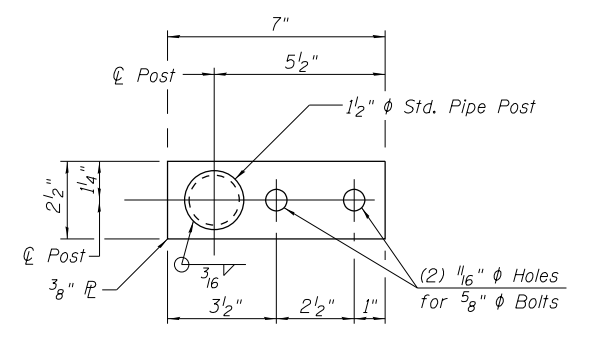
SECTION F-F



HANDRAIL CORNER POST BASE PLATE
(4 Req'd)



TYPICAL HANDRAIL POST BASE PLATE
(15 Req'd)

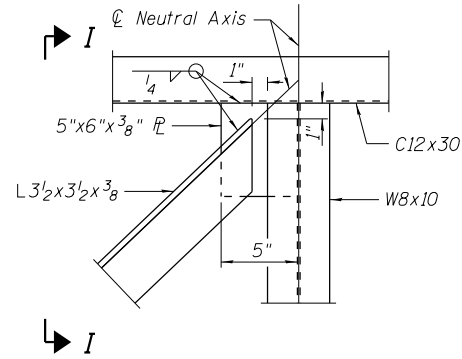


HANDRAIL END POST BASE PLATE
(2 Req'd)

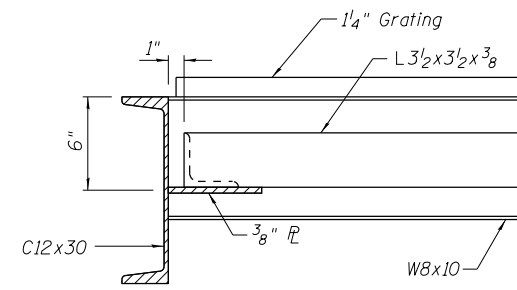
Notes:
 Drilled and set anchor bolts shall be installed according to Article 521.06 of the Standard Specifications.
 Anchor bolts shall be ASTM F 1554 all-thread (or an Engineer-approved alternate material) of the grade and diameter specified. The corresponding specified grade of AASHTO M314 anchor bolts may be used in lieu of ASTM F 1554.
 Provide 1/2" non-shrink grout under Base \mathbb{R} . See Standard Specifications.
 Contractor has the option of cast-in-place or drilled installation.

\$FILE\$

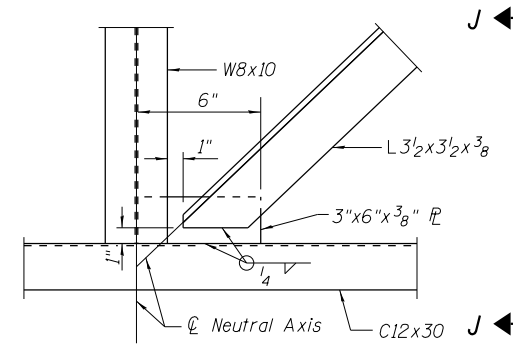
FILE NAME =	USER NAME =	DESIGNED - RJP	REVISD -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STRUCTURAL STEEL DETAILS SLUICE GATE ACCESS PLATFORM	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		CHECKED - ADL	REVISD -			612	(112)T	SCHUYLER	34	19	
		PLOT SCALE =	REVISD -			CONTRACT NO. 72G49					
		PLOT DATE =	REVISD -			ILLINOIS FED. AID PROJECT Klingner & Associates P.C.					



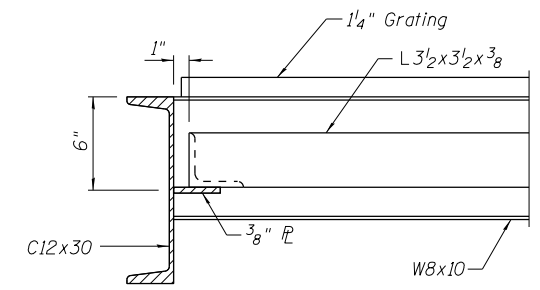
DETAIL 1



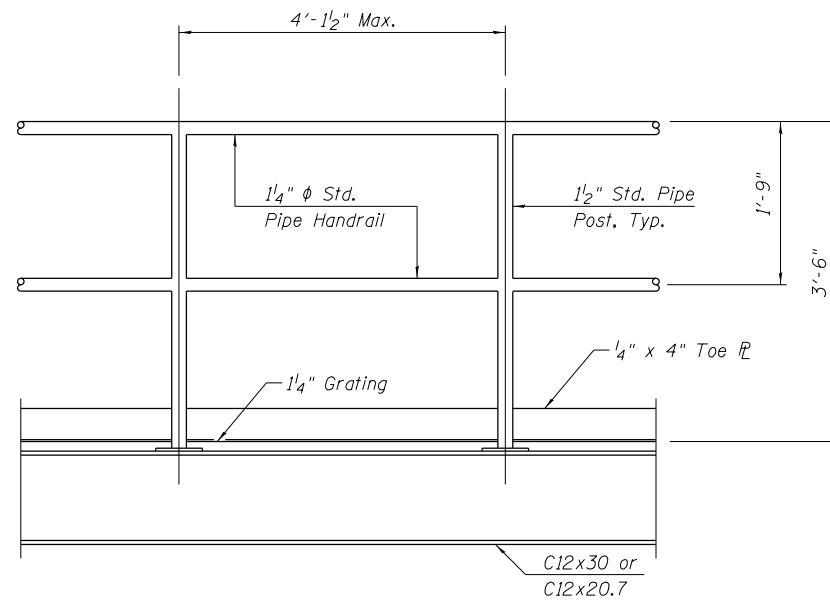
SECTION I-I



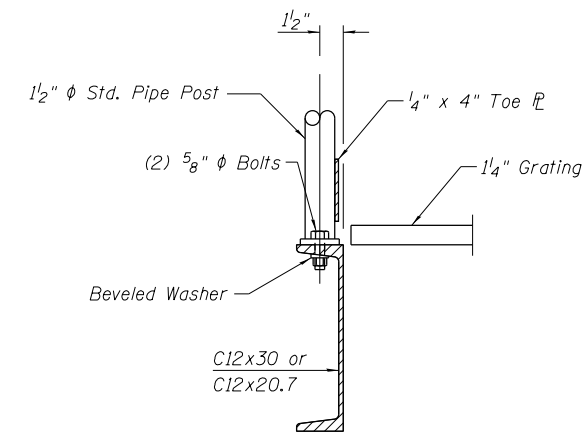
DETAIL 2



SECTION J-J



TYPICAL HANDRAIL ELEVATION



**TYPICAL HANDRAIL POST
BASE PLATE - SECTION VIEW**

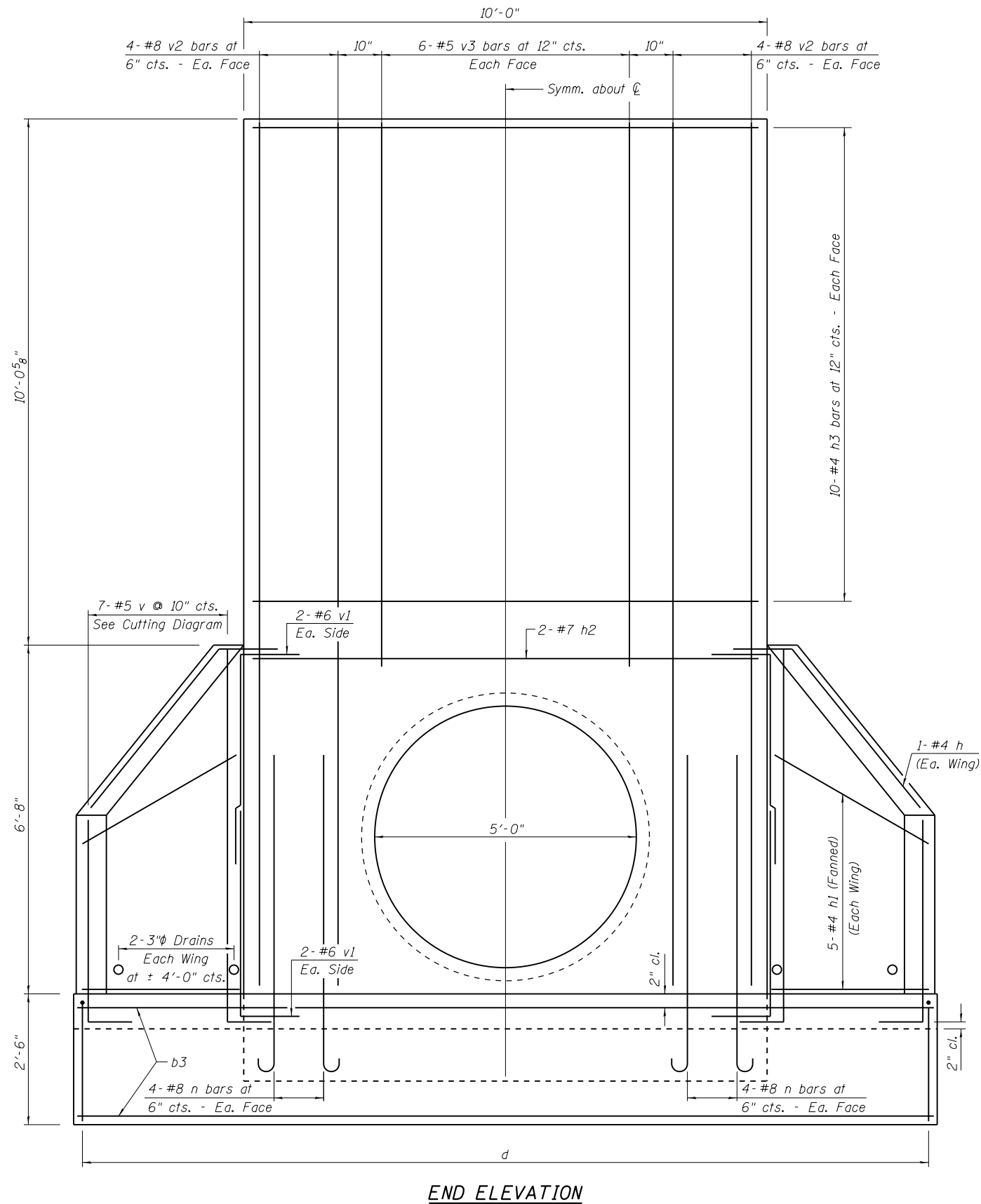
FILE NAME =	USER NAME =	DESIGNED - RJP	REVISED -
		CHECKED - ADL	REVISED -
	PLOT SCALE =	DRAWN - RJP	REVISED -
	PLOT DATE =	CHECKED - ADL	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

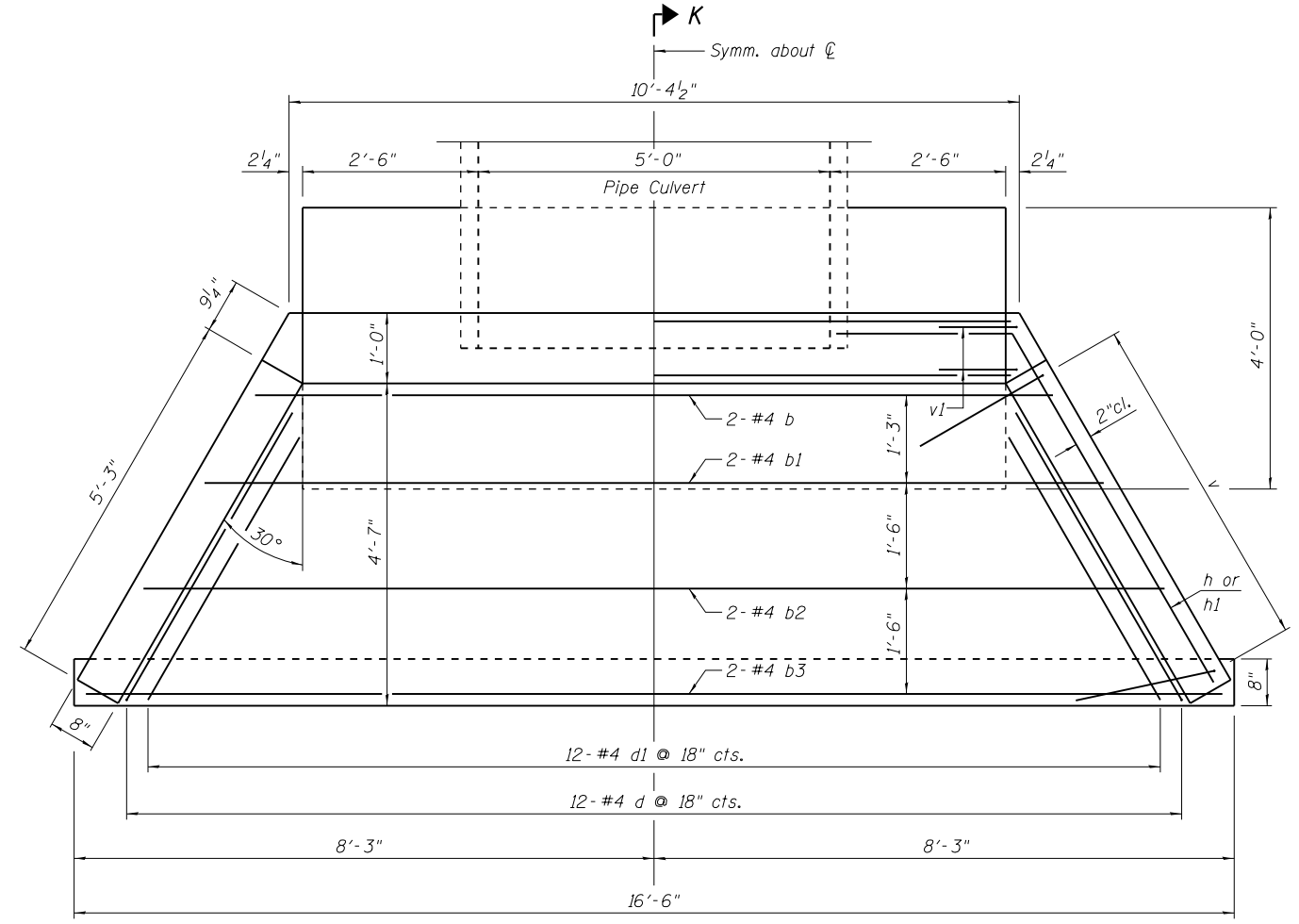
**STRUCTURAL STEEL DETAILS
SLUICE GATE ACCESS PLATFORM**

SHEET NO. 5 OF 7 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
612	(112)T	SCHUYLER	34	20
CONTRACT NO. 72G49				



END ELEVATION

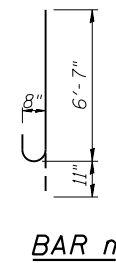


SHOWING DIMENSIONS

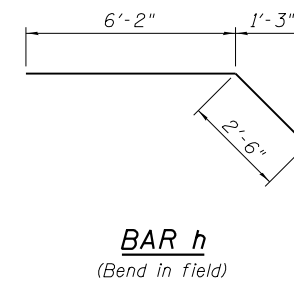
SHOWING REINFORCEMENT

PLAN

Notes:
See Sheet 7 of 7 for Section K-K.
For Bill of Material and additional details, see Sheet 7 of 7.



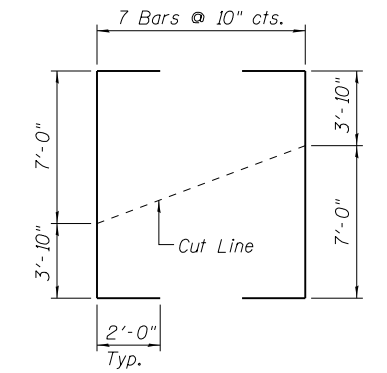
BAR n



BAR h
(Bend in field)

Bar	A	B
d	5'-3"	2'-2"
v1	3'-0"	6'-1"

BARS d & v1



FIELD CUTTING DIAGRAM

Note:
Order v bars full length. Cut as shown and use remainder of bars in opposite wing.

FILE NAME =	USER NAME =	DESIGNED - RJP	REVISED -
		CHECKED - ADL	REVISED -
	PLOT SCALE =	DRAWN - RJP	REVISED -
	PLOT DATE =	CHECKED - ADL	REVISED -

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
612	(112)T	SCHUYLER	34	21
CONTRACT NO. 72G49				

NOTES:

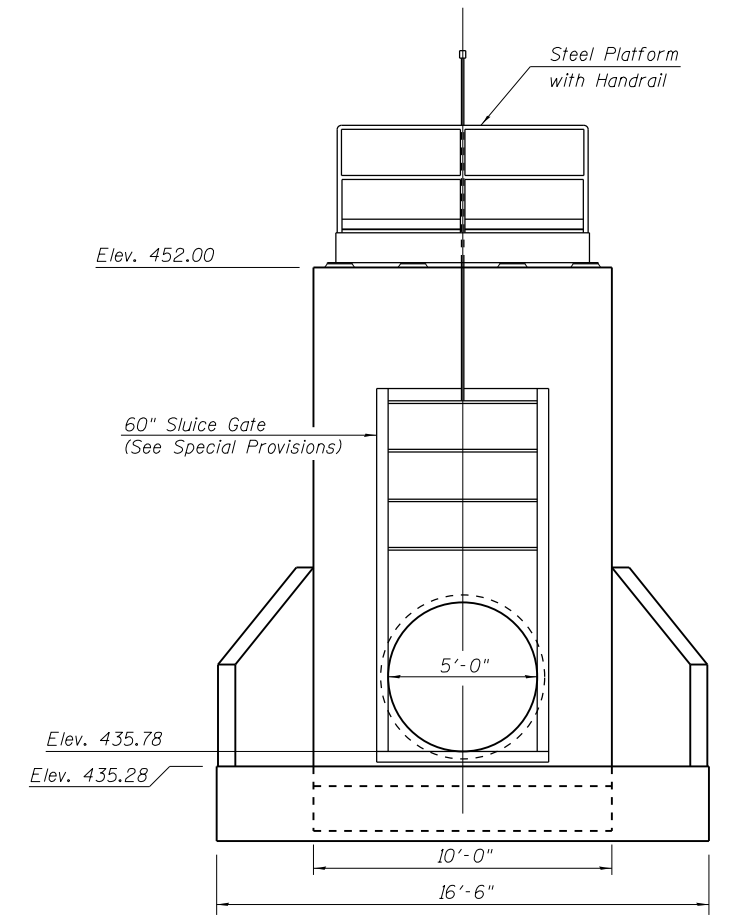
Bar dimensions are out to out.
 Not to scale or proper orientation.
 Exposed edges shall be beveled 3/4".
 Headwall at 0° skew to culvert C.

Minimum bar laps:
 #8 bar = 4'-6"
 #6 bar = 2'-7"
 #4 bar = 1'-9"

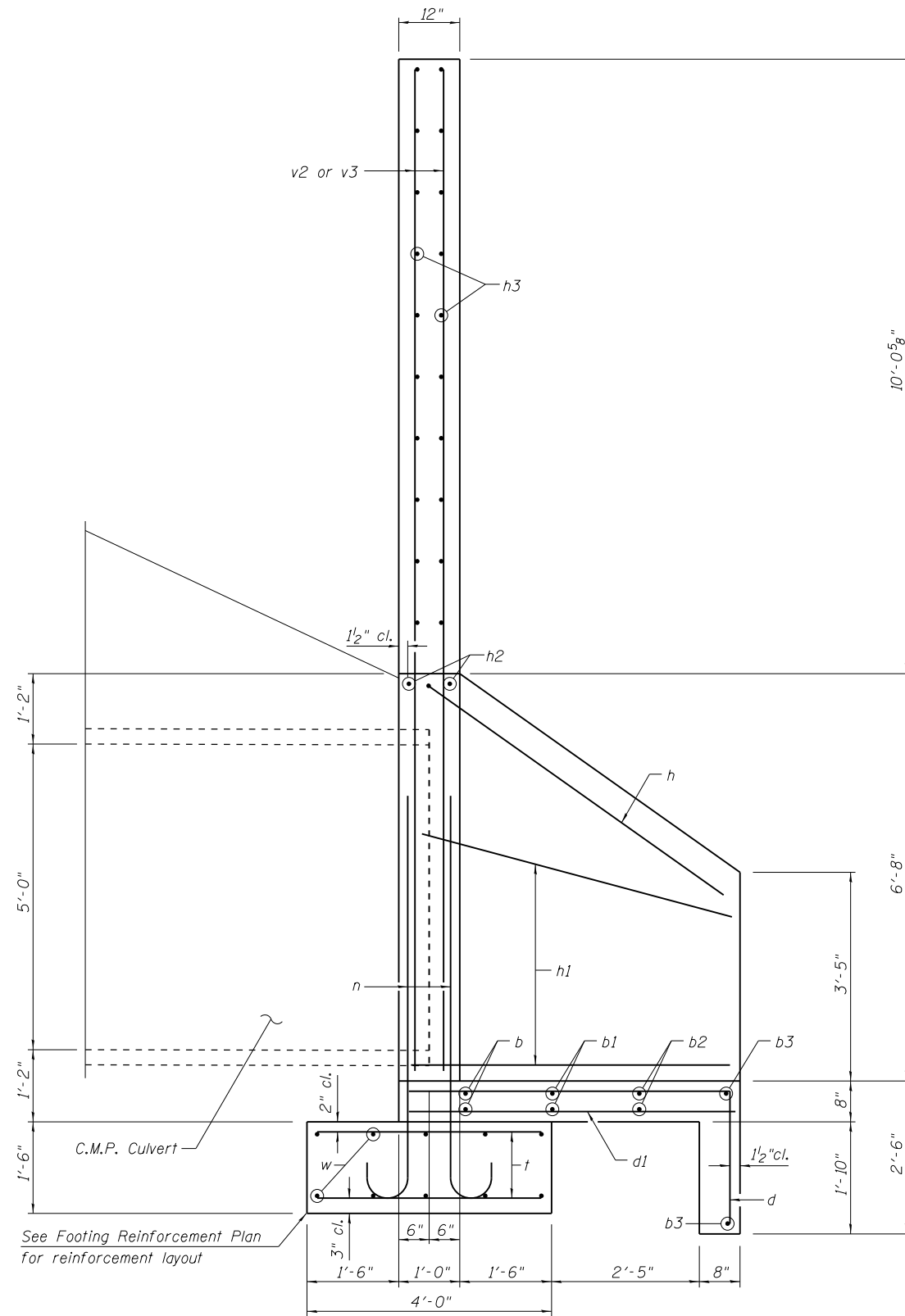
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
b	2	#4	11'-4"	—
b1	2	#4	12'-10"	—
b2	2	#4	14'-6"	—
b3	2	#4	16'-2"	—
d	12	#4	7'-5"	┘
d1	12	#4	5'-3"	—
h	2	#4	8'-8"	┘
h1	10	#4	5'-9"	—
h2	2	#7	10'-3"	—
h3	20	#4	9'-8"	—
n	16	#8	7'-6"	┘
t	22	#5	3'-8"	—
v	7	#5	14'-10"	┘
v1	8	#6	9'-1"	┘
v2	16	#8	16'-4"	—
v3	12	#5	10'-4"	—
w	10	#5	9'-8"	—
ITEM	UNIT	TOTAL		
Reinforcement Bars	Pound	1,950		
* Cast-In-Place Reinforced Concrete	Each	1		
End Sections 60" (Special)				

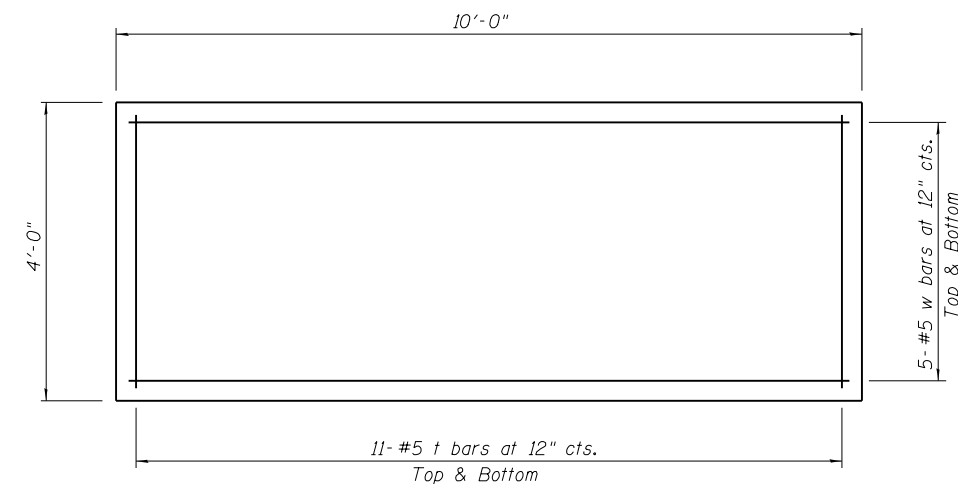
* 1 End Section = 11.8 Cu. Yd. Concrete



SLUCE GATE & END SECTION ELEVATION



SECTION K-K



FOOTING REINFORCEMENT PLAN

FILE NAME =	USER NAME =	DESIGNED - RJP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CAST-IN-PLACE END SECTION SLUCE GATE ACCESS PLATFORM	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	CHECKED - ADL	REVISED -				612	(112)T	SCHUYLER	34	22	
	PLOT SCALE =	DRAWN - RJP	REVISED -			CONTRACT NO. 72G49					
	PLOT DATE =	CHECKED - ADL	REVISED -			ILLINOIS FED. AID PROJECT					



Illinois Department of Transportation

Division of Highways
IDOT

SOIL BORING LOG

Page 1 of 1

Date 5/14/14

ROUTE IL 100 DESCRIPTION Sewer Pipe Extension LOGGED BY M. Tappan
 SECTION (112) RS-2, N, T LOCATION NW 1/4, SEC. 17, TWP. 1N, RNG. 1E, 4 PM
 COUNTY Schuyler DRILLING METHOD HSA HAMMER TYPE 140# Auto

STRUCT. NO.	Station	D E P T H (ft)	B L O W S (/6")	U C S (tsf)	M O I S T (%)	Soil Description			
						Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.:	Other
NA	10+50					437.5	437.5		
1-SP	10+50					427.7	429.2		
	32.0ft RT								
	Ground Surface Elev.					451.2			
Brown Moist CLAY LOAM (Fill)						Brown Moist Weathered CLAY (Till) 430.70 (continued)			
			2						
			3	2.7	10				
			5	S-12					
						Gray and Tan Moist SILTY CLAY (Till)			
			2						
			3	2.4	17				
			6	S-14					
	445.70								
Gray Moist SILTY CLAY LOAM (Fill)						Brown Dirty Medium to Coarse SANDY GRAVEL 427.70			
			2						
			3	2.0	19				
			5	B					
			1						
			4	2.5	21				
			5	B					
	-10								
Gray Moist SILTY CLAY LOAM (Fill)						Boring Completed 426.20			
			2						
			5	2.4	20				
			4	S-14					
			1						
			1	.40	43				
			1	B					
	-15								
Dark Gray Very Moist SILTY CLAY LOAM (Fill) with Woody Organics and Charcoal									
			0						
	434.70		2	.40	29				
			1	B					
Gray Very Moist SILTY CLAY									
			0						
	432.70		2	1.4	24				
			3	B					
Brown Moist Weathered CLAY (Till)									
			2	1.4	24				
			3	B					
	-20								

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated)
 Abbreviations W.O.H - Sampler Advanced By Weight of Hammer, W.O.P - Advanced by Weight of Pipe, B.S. - Before Seating
 The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) BBS, from 137 (Rev. 8-99)

File Name S:\SOILS\GINT FILES\085 SCHUYLER\IL 100 BOX CULVERT AT FREDERICK.GPJ Data Template D6TEMPLT.GDT Date Printed 12/10/14
 Latitude 40.04268N Longitude 90.25612W Datum NAD83 Job Number D-96-018-14



Illinois Department of Transportation

Division of Highways
IDOT

SOIL BORING LOG

Page 1 of 1

Date 5/14/14

ROUTE IL 100 DESCRIPTION Culvert over unnamed ditch LOGGED BY M. Tappan
 SECTION (112) RS-2, N, T LOCATION NW 1/4, SEC. 17, TWP. 1N, RNG. 1E, 4 PM
 COUNTY Schuyler DRILLING METHOD HSA HAMMER TYPE 140# Auto

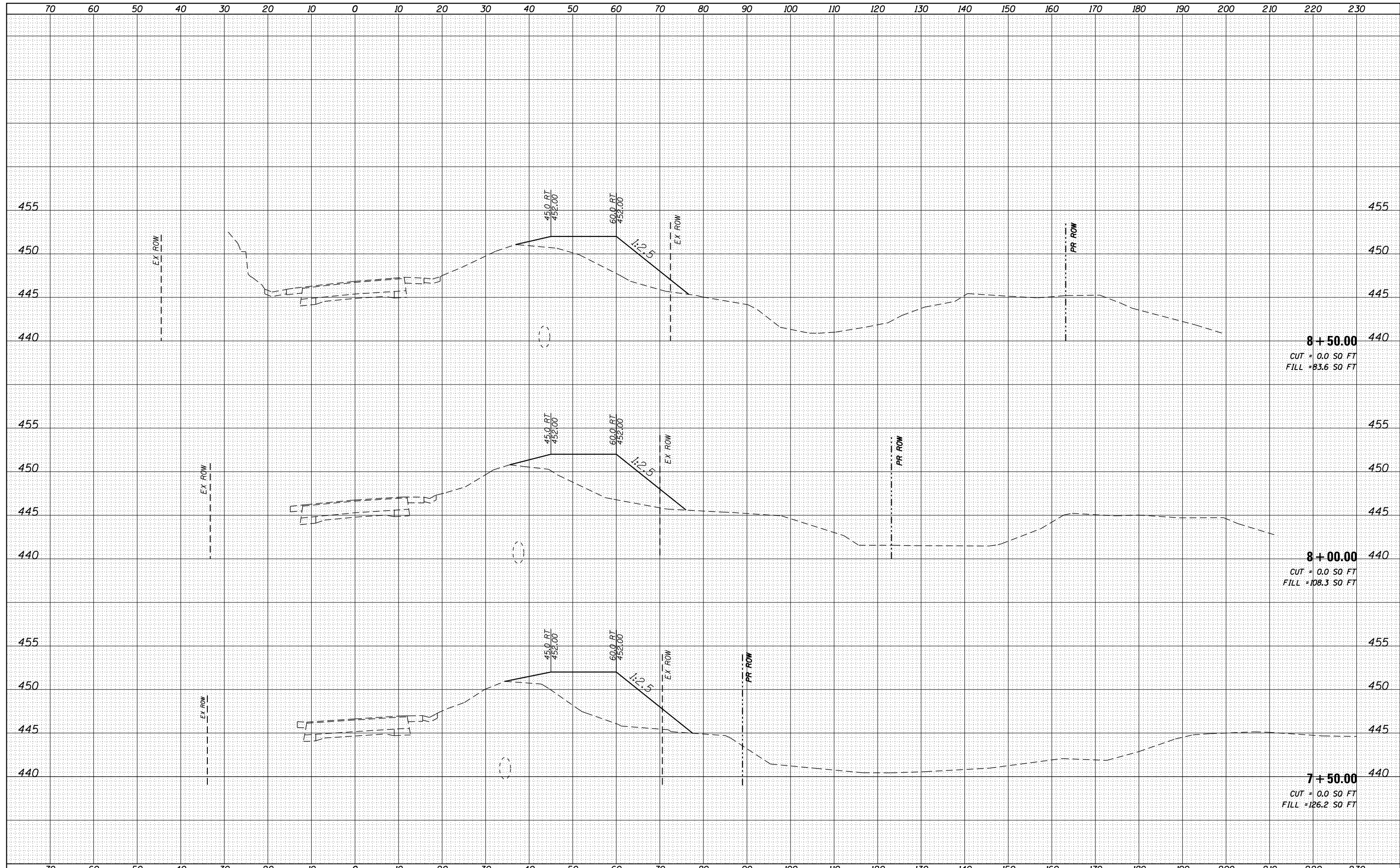
STRUCT. NO.	Station	D E P T H (ft)	B L O W S (/6")	U C S (tsf)	M O I S T (%)	Soil Description			
						Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.:	Other
						437.5	437.5		
2-Culvert	13+61					429.5			
	27.0ft RT								
	Ground Surface Elev.					450.5			
Brown Moist CLAY LOAM (Fill)						Gray and Brown Wet CLAY LOAM (Till)			
			1						
			4	2.6	16				
			4	B					
						FREE WATER			
			2						
			3	1.5	13				
			3	P					
			-5						
Poor Recovery						Brown Med. SAND 427.50			
			2						
			3	1.5	13				
			3	P					
			-5						
Brown Moist CLAY LOAM (FILL) to Gray Moist SILTY CLAY LOAM (Fill)						Brown Dirty Coarse SANDY GRAVEL Washed			
			1						
			5	1.4	20				
			4	B					
			6"						
			2						
			4	2.6	21				
			5	B					
			-10						
@ STA 13+76 Hit Concrete at 10ft and moved to STA 13+61									
			1						
			1	0.4	28				
			2	B					
			1						
			2	1.5	20				
			2	B					
			-15						
Brown and Dk Gray Moist SILTY CLAY (Fill)						Lt Olive Gray Moist CLAYEY SHALE to Dk Gray Dry Calcareous SHALE Washed			
			1						
			2	1.5	20				
			2	B					
			-15						
Gray and Brown Moist SILTY CLAY (Till)						Boring Completed 416.50			
			1						
			3	2.6	20				
			5	B					
			1						
			4	2.4	20				
			6	B					
			-20						

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated)
 Abbreviations W.O.H - Sampler Advanced By Weight of Hammer, W.O.P - Advanced by Weight of Pipe, B.S. - Before Seating
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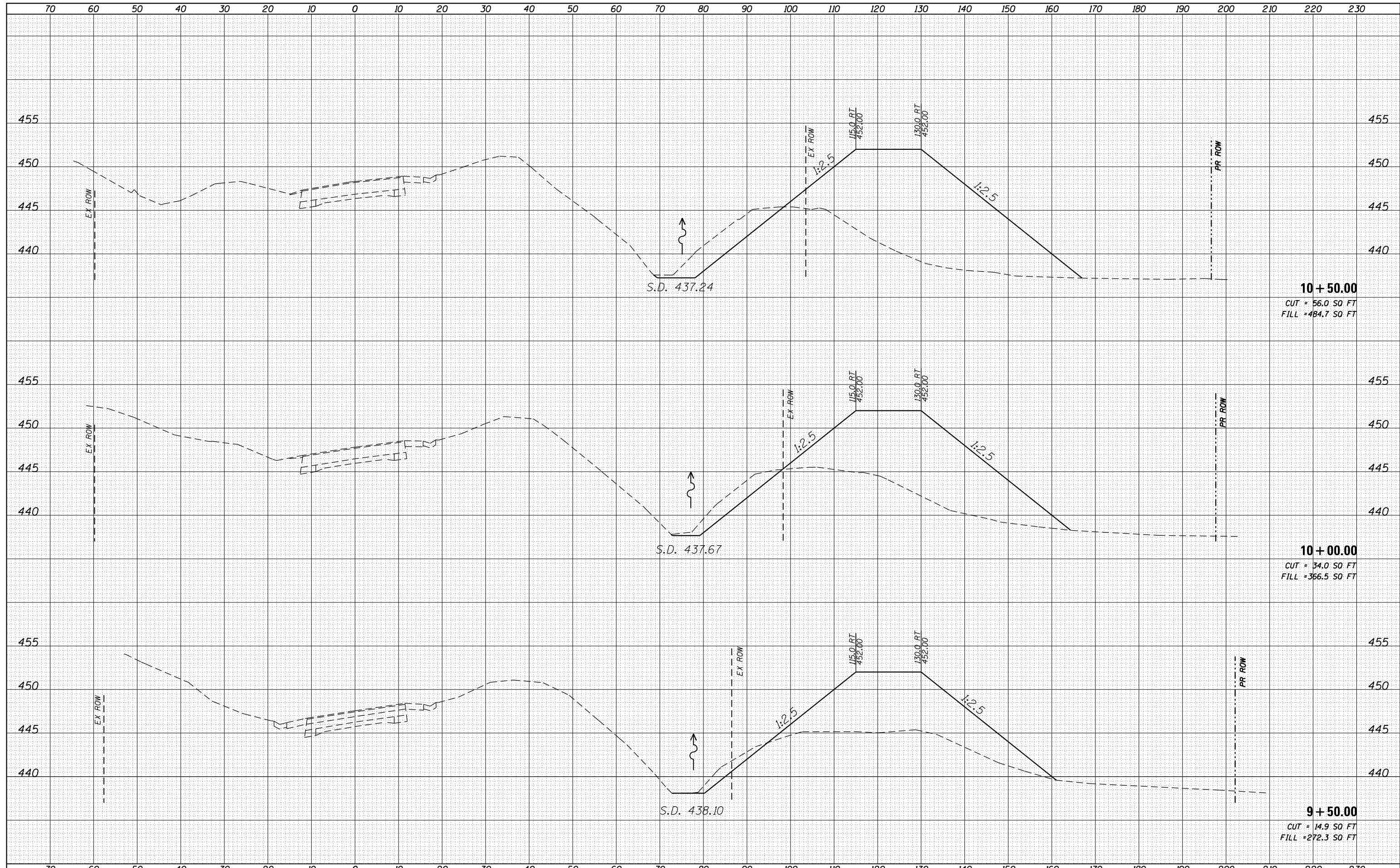
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BY	
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NOTE BOOK	PLOTTED
NO.	TEMPLATE
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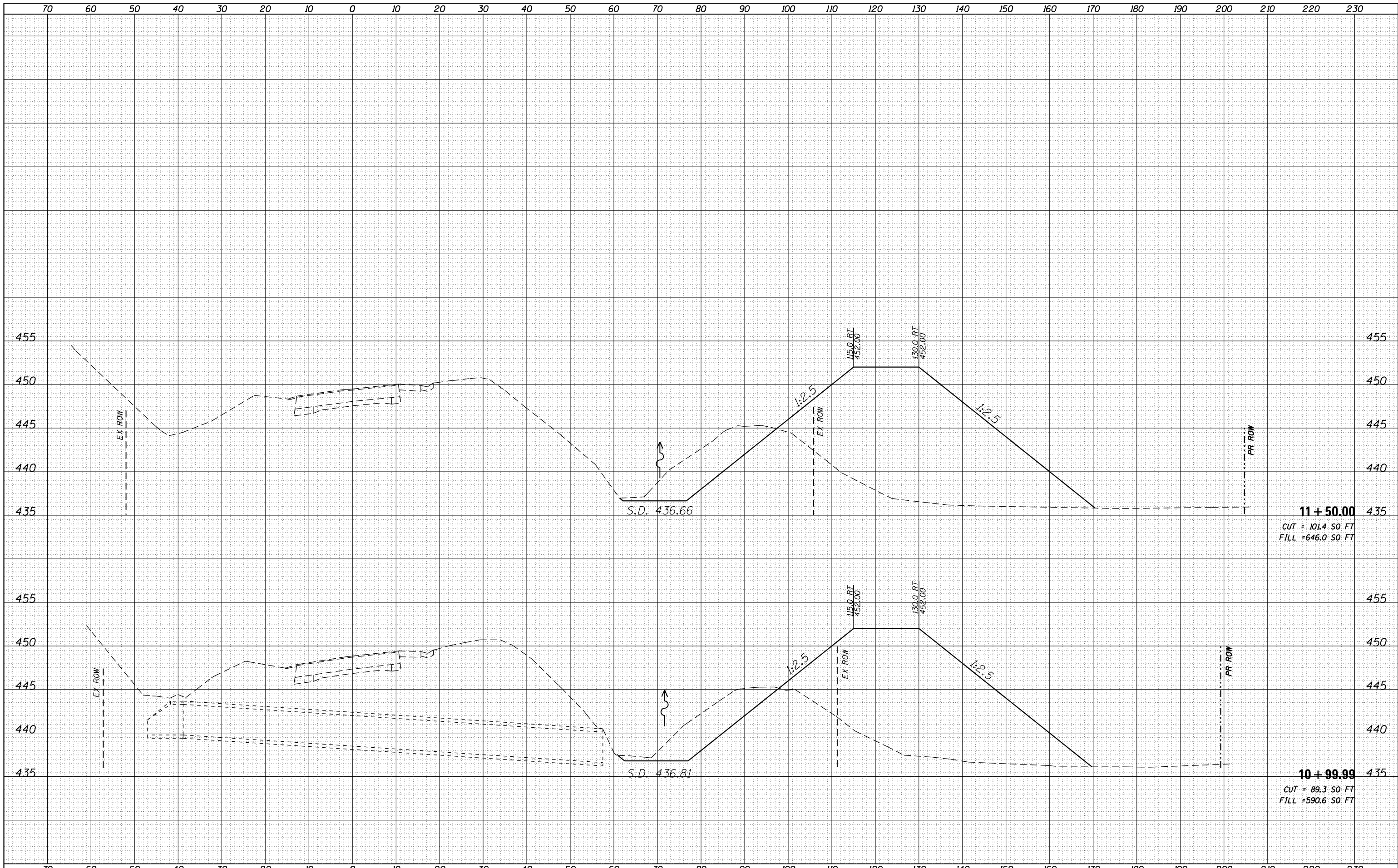
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BY	
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NOTE BOOK	PLOTTED
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	AREAS
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FILE NAME =	USER NAME = prices	DESIGNED -	REVISOR -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTION SHEETS FAP 612 (IL 100)			F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	DOT Offices\District 6\Projects\0672049\CADD\Drawings\0672049-sht-xssht-Berm.dwg	DRAWN -	REVISOR -					612	(112)T	SCHUYLER	34	26
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	PLOT DATE = 2/2/2015	DATE -	REVISOR -		ILLINOIS FED. AID PROJECT							

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

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



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Default	PLOT SCALE = 20.0000' / in.	CHECKED -	REVISIED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

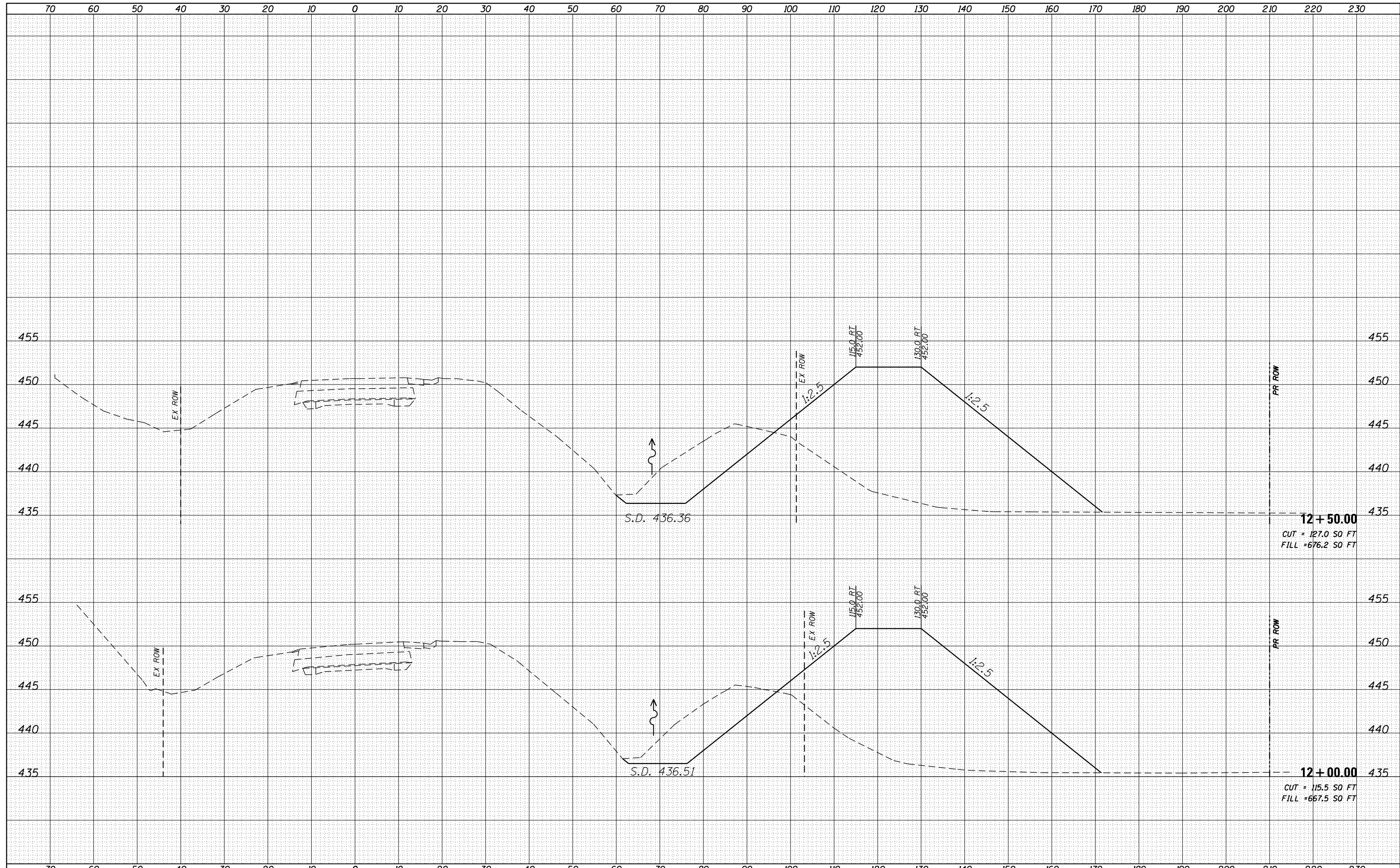
**CROSS SECTION SHEETS
FAP 612 (IL 100)**

SCALE: SHEET OF SHEETS STA. 10+99.99 TO STA. 11+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 72G49			ILLINOIS FED. AID PROJECT	

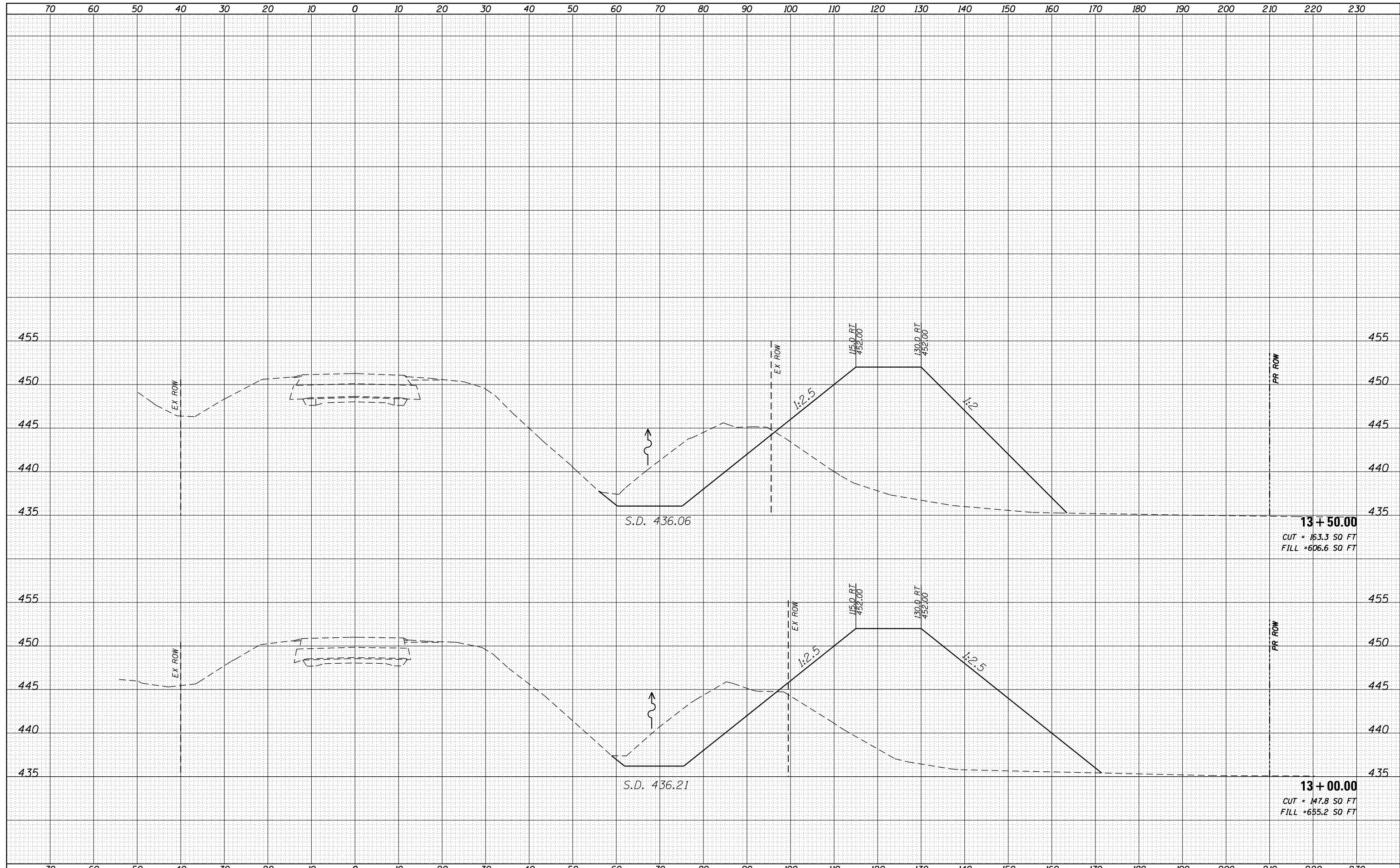
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BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED

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



DATE	
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NOTE BOOK	PLOTTED
NO.	AREAS CHECKED

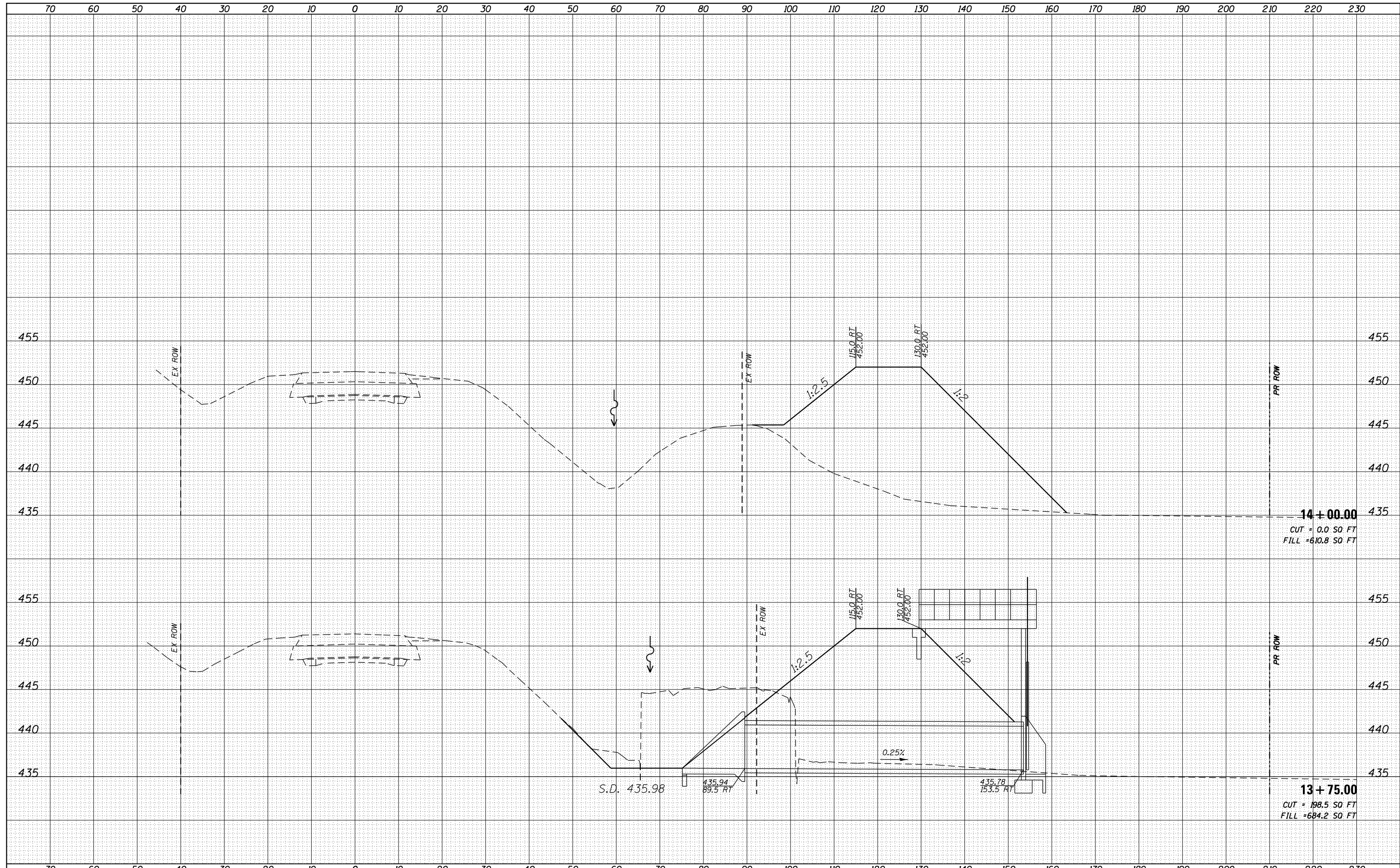
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FILE NAME =	USER NAME = prices	DESIGNED -	REVISOR -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTION SHEETS FAP 612 (IL 100)				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		REVISOR -	REVISOR -						612	(112)T	SCHUYLER	34	29
		CHECKED -	REVISOR -		SCALE: SHEET OF SHEETS STA. 13+00.00 TO STA. 13+50.00				CONTRACT NO. 72G49				
		DATE -	REVISOR -		ILLINOIS FED. AID PROJECT								

DATE	
BY	
FINAL SURVEY NO.	
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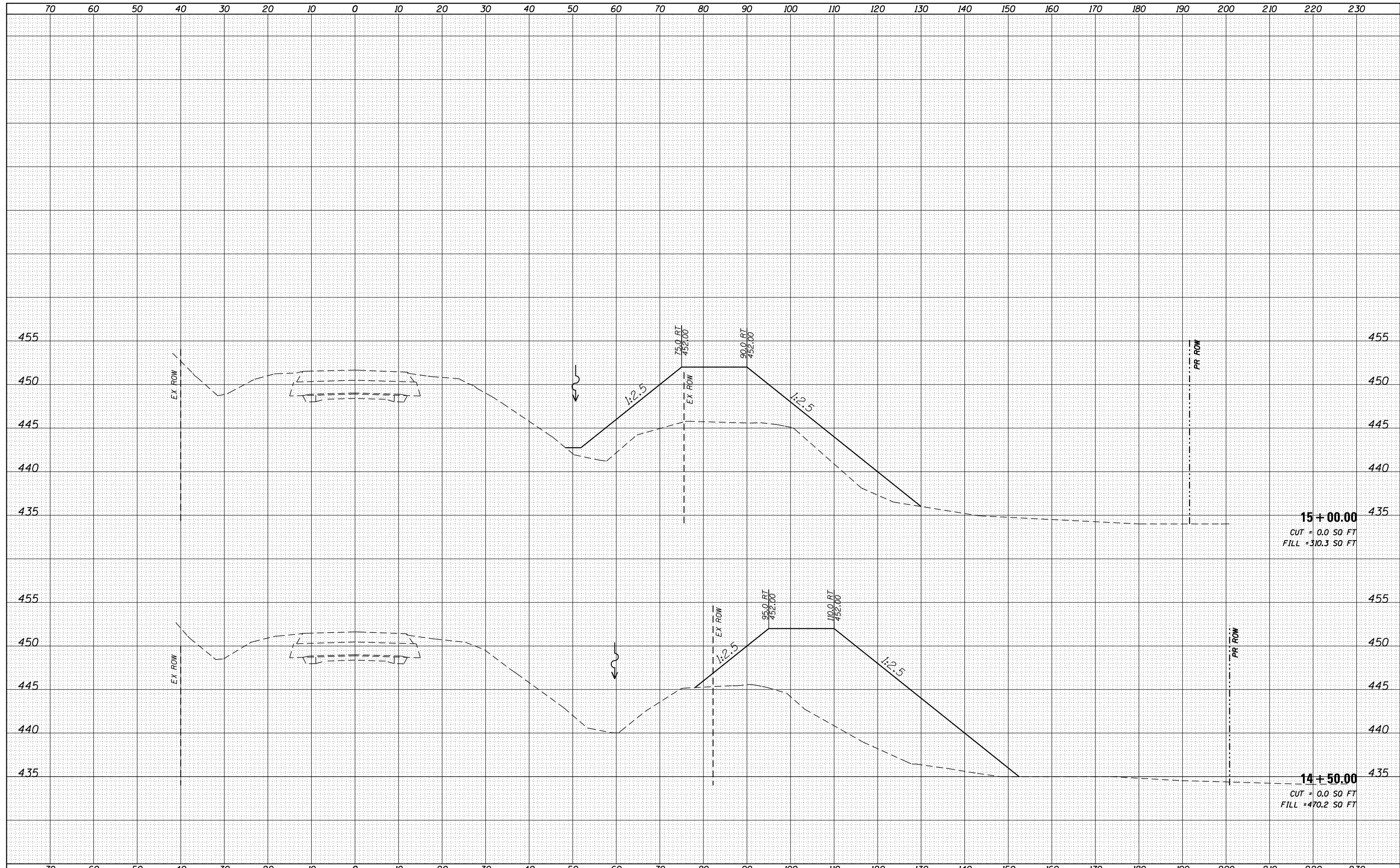
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FILE NAME =	USER NAME = prices	DESIGNED -	REVISOR -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTION SHEETS FAP 612 (IL 100)			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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Default		DATE -	REVISOR -		SCALE: SHEET OF SHEETS STA. 13+75.00 TO STA. 14+00.00			CONTRACT NO. 72C49				
								ILLINOIS FED. AID PROJECT				

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

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



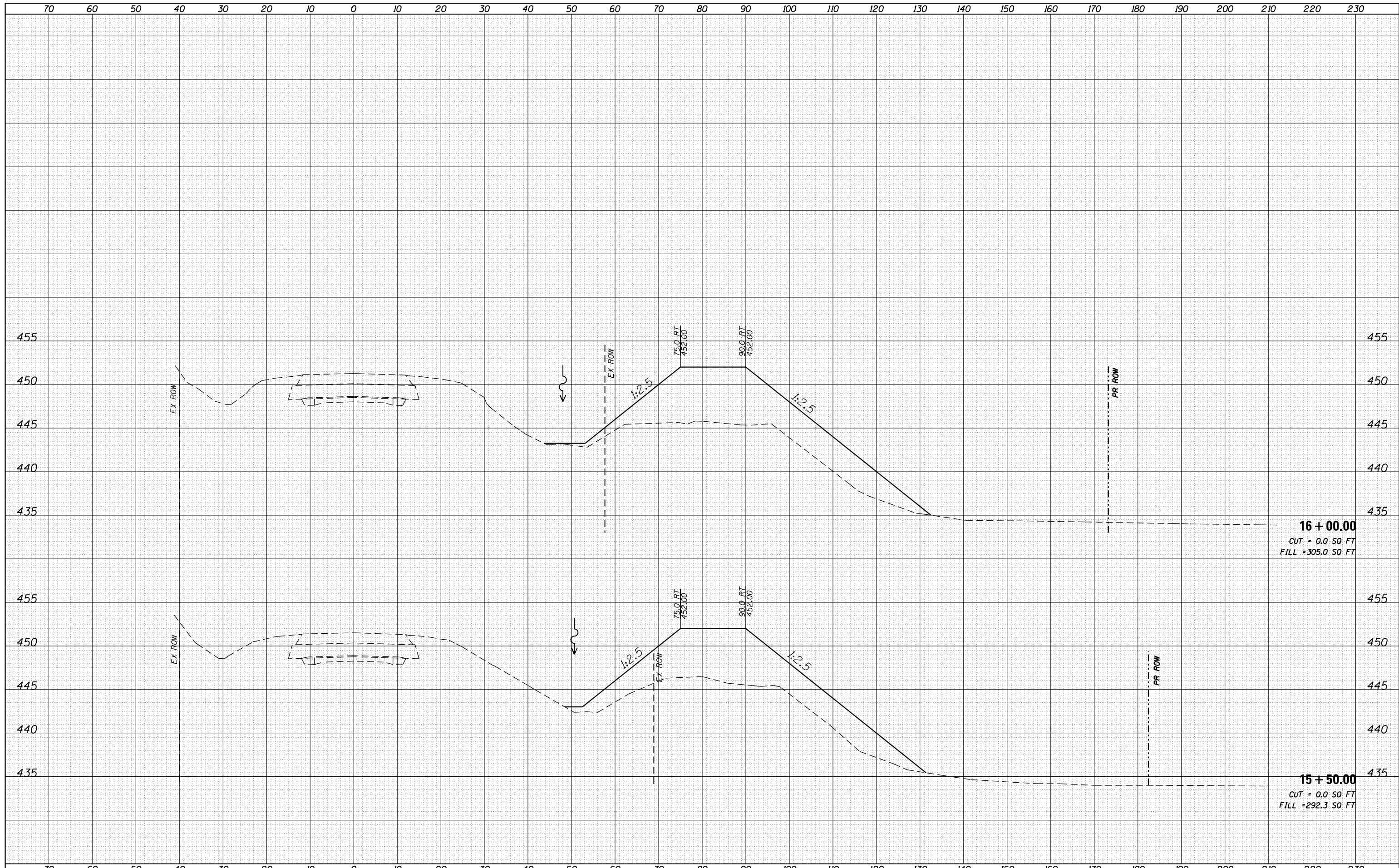
15 + 00.00
 CUT = 0.0 SO FT
 FILL = 310.3 SO FT

14 + 50.00
 CUT = 0.0 SO FT
 FILL = 470.2 SO FT

FILE NAME =	USER NAME = prices	DESIGNED -	REVISIED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTION SHEETS FAP 612 (IL 100)			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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											ILLINOIS FED. AID PROJECT	

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TEMPLATE	
AREAS	
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FINAL SURVEY NO.	
NOTE BOOK NO.	
AREAS CHECKED	

BY	DATE
SURVEYED	
PLOTTED	
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NOTE BOOK NO.	
AREAS CHECKED	



FILE NAME =	USER NAME = prices	DESIGNED -	REVISIED -	<p align="center">STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p> <p align="center">CROSS SECTION SHEETS FAP 612 (IL 100)</p> <p>SCALE: SHEET OF SHEETS STA. 15+50.00 TO STA. 16+00.00</p>	F.A.P. RTE. 612	SECTION (112)T	COUNTY SCHUYLER	TOTAL SHEETS 34	SHEET NO. 32	
		CHECKED -	REVISIED -		CONTRACT NO. 72C49		ILLINOIS FED. AID PROJECT			
		DATE -	REVISIED -							

