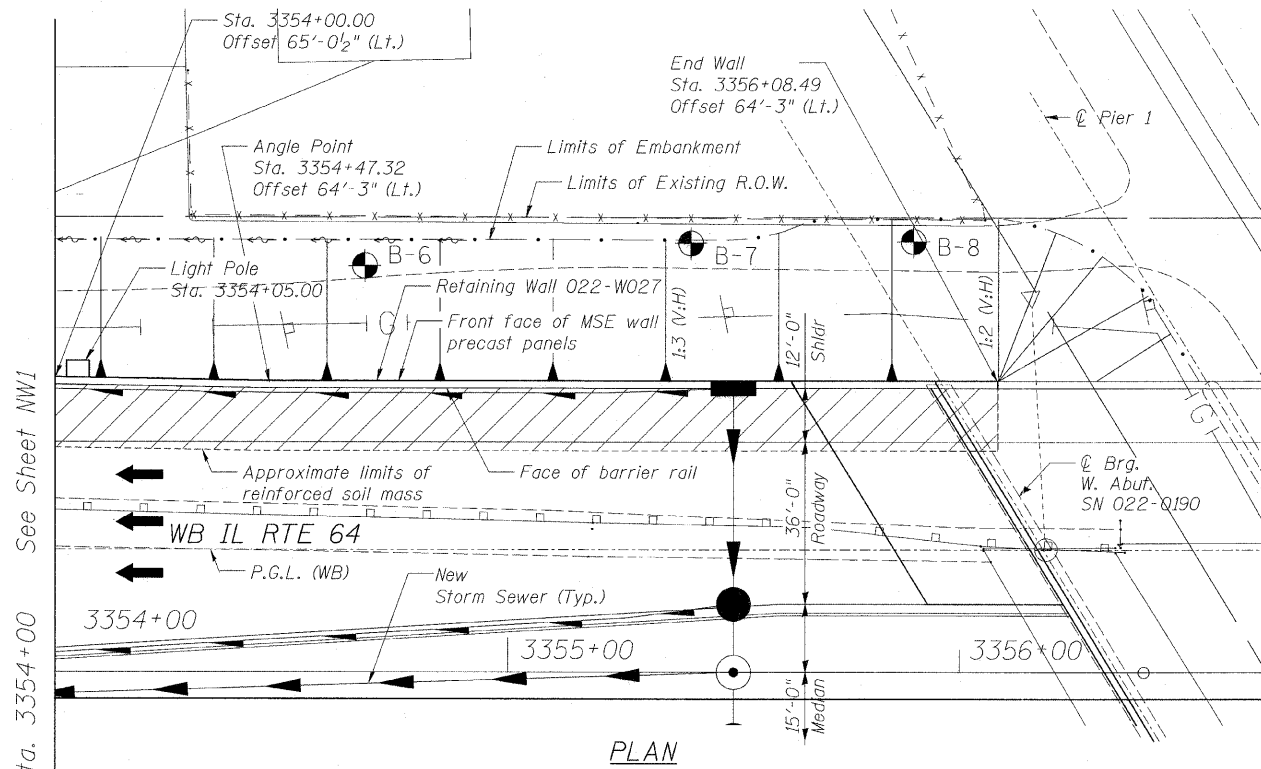


STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	501
STA. 3356+37.74		TO STA. 3359+24.72		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

62410



ABBREVIATIONS:

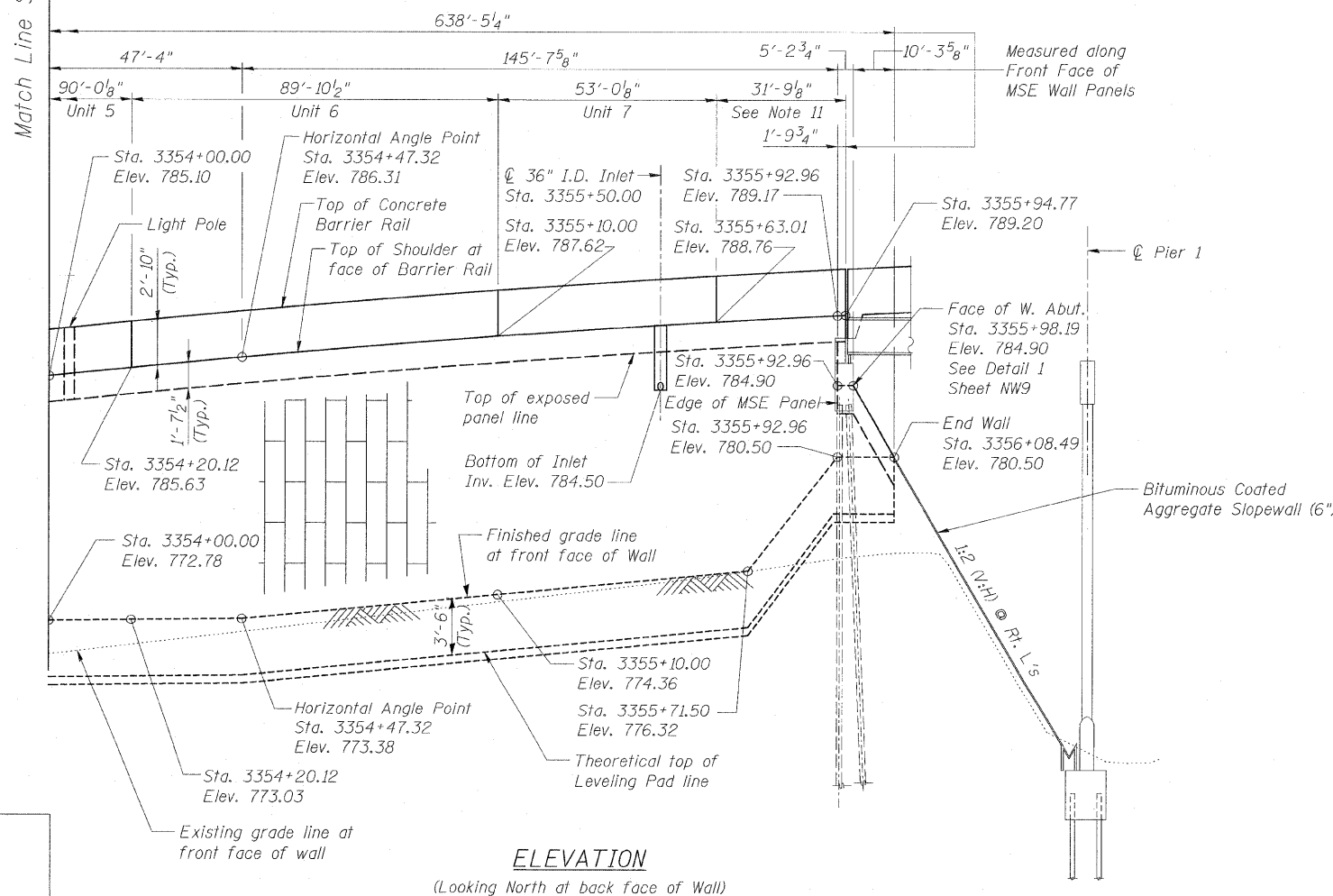
- B Bottom
- BF Back Face
- CJ Construction Joint
- EF Each Face
- FF Front Face
- Lt Left
- PJF Preformed Joint Filler
- PJS Preformed Joint Seal
- Shld Shoulder
- Sta Station
- T Top

LEGEND:

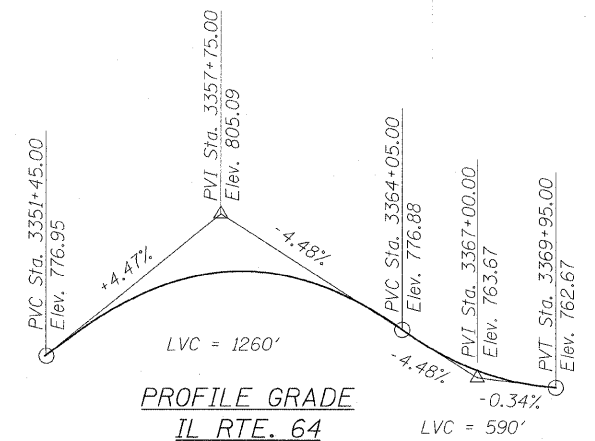
- Reinforced Soil Mass
- Removal of Unsuitable Material
- MSE Wall Panels
- B-1 Soil Boring

GENERAL NOTES:

1. Stations and offsets are measured from \odot IL Rte. 64 to the front face of the MSE wall panels.
2. Existing utilities in conflict with the retaining wall shall be abandoned or relocated according to directions given in the Roadway Plans.
3. All construction joints shall be bonded.
4. All exposed concrete edges shall have a $\frac{3}{4}$ " by 45° chamfer except where shown otherwise. Chamfer on vertical edges shall be continued a minimum of 1 foot below the finished ground line.
5. A protective coat shall be applied according to Section 503 of the Standard Specifications to the top and inside surfaces of the Barrier and the top of the Moment Slab.
6. Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60.
7. Reinforcement bars designated "E" shall be epoxy coated.
8. Coarse aggregate for concrete in Barrier shall meet the requirements of Section 1004.01(k) of the Standard Specifications for Class A.
9. Slipforming of Barrier is prohibited.
10. For Boring Logs, see Sheets SB1 and SB2.
11. For Coping and Barrier Details along the Approach Slab, see Bridge 022-0190 Plans.
12. Any embankment fill that is placed to support the bearing of the wall shall have a minimum unconfined compressive strength equal to 1.5 TSF or a minimum ϕ angle of 30°.
13. Standard symbols, abbreviations and patterns for existing features per Std. 000001-01 through 000001-04.
14. Temporary MSE Wall is located From Station 3348+00 to Station 3354+50. For Temporary MSE Wall Details, See Sheet TS1.



Note: The face of abutment station is measured to an offset equal to 63'-9" (The assumed back face of the MSE wall panels)



REVISIONS		F.A.P. ROUTE 307 ILLINOIS ROUTE 64 (NORTH AVENUE) OVER E.J.&E. AND U.P. R.R. GENERAL PLAN
NAME	DATE	
		STRUCTURE NUMBER 022-W027 FAP SECTION 130 R-2 DUPAGE COUNTY STA. 3349+70.04 TO 3356+08.49

SCALE: DATE: NOVEMBER 1, 2011

DRAWN BY: MRK
 CHECKED BY: MJP



ELEVATION

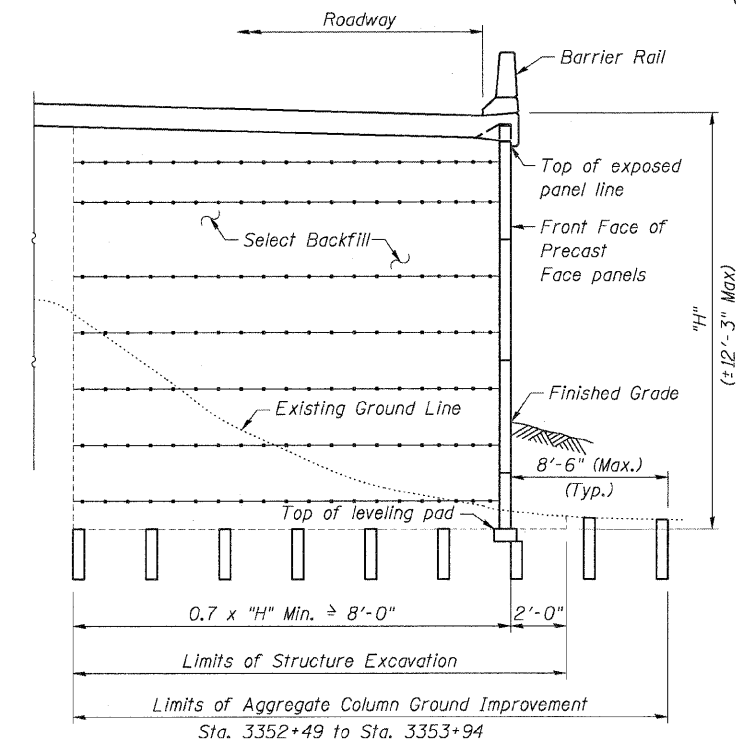
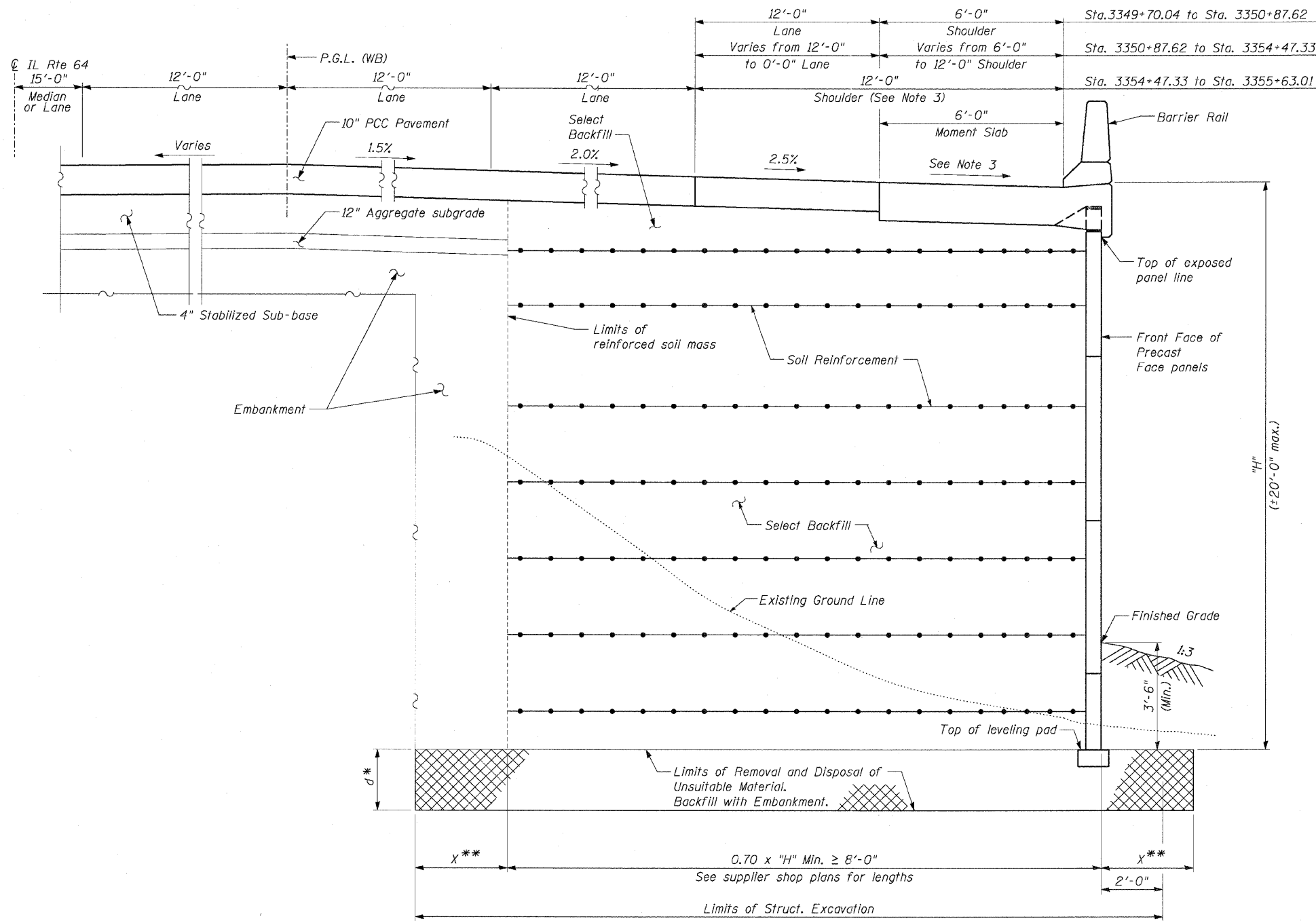
(Looking North at back face of Wall)

Sheet NW2 of 9

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	502
STA. 3356+37.74		TO STA. 3359+24.72		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

62410



SECTION

NOTES:

- For General Notes, see Sheet NW2.
- For Moment Slab Details, see Sheets NW5 thru NW7.
- Shoulder Slopes: Sta. 3349+70.04 to Sta. 3355+10.00: 4.0%
 Sta. 3355+10.00 to Sta. 3355+63.67: Varies 4.0% to 2.0%

AGGREGATE COLUMN GROUND IMPROVEMENT:

- Aggregate Column Ground Improvement shall be designed and installed by the Contractor in accordance with the Special Provision for Aggregate Column Ground Improvement.
- For limits of Aggregate Column Ground Improvement, see Sheet NW1.
- The Top of Exposed Panel Elevations shown on the Elevation View are final elevations allowing for total settlement of 4 inches and settlement after completing wall or pavement construction of 1 inch. The MSE Wall vendor shall provide additional panel heights to allow for the settlement of the leveling pad during installation. The cost of any adjustment to precast face panels that are needed to compensate for settlement shall be included with Aggregate Column Ground Improvement.
- Vibrator compacted aggregate columns shall be constructed by the bottom feed method. Top feed will only be allowed if the columns are pre-bored the entire length and the Engineer determines that the open columns do not collapse during backfilling and vibration.

TYPICAL SECTION
 Sta. 3349+70.04 to Sta. 3355+63.01
 (Looking Downstation)

Ground Improvement Performance Requirements:

- Post-construction settlement of MSE wall shall not exceed 1.0 inch.
- Minimum factor of safety for global stability shall be 1.5.
- Minimum factor of safety for Nominal Equivalent Uniform Bearing Pressure shall be 2.5.
- Total settlement shall not exceed 4.0 inches.

* For Limits of Removal of Unsuitable Material see Sheet NW1. Over excavation beyond structure excavation and removal of unsuitable material will not be measured for payment.

** Edge Distance "X" is the same as the Removal Depth "d"



REVISIONS	
NAME	DATE

Sheet NW3 of 9

F.A.P. ROUTE 307 ILLINOIS ROUTE 64
 (NORTH AVENUE)
 OVER E.J.&E. AND U.P. R.R.
 TYPICAL SECTIONS

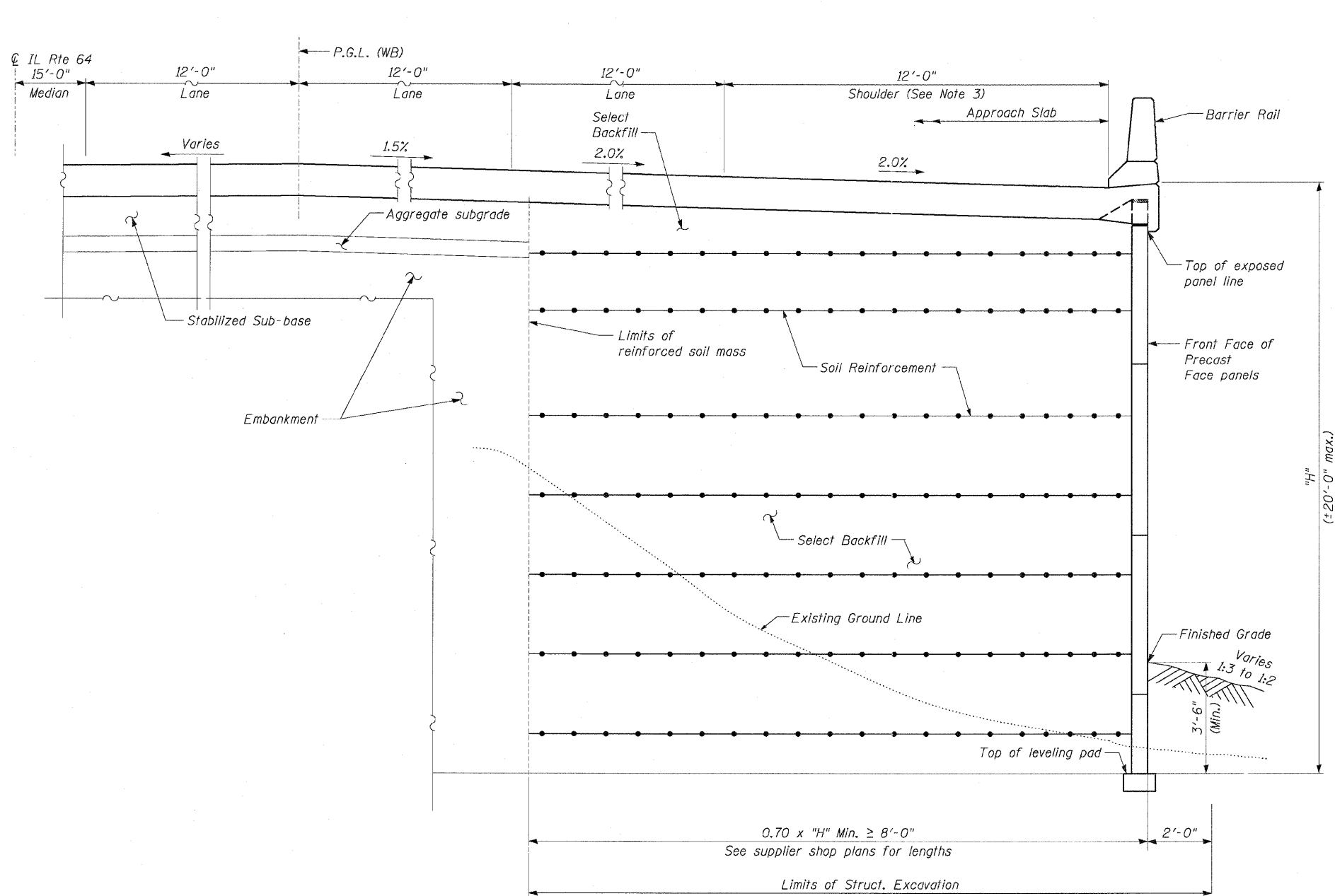
STRUCTURE NUMBER 022-W027
 FAP 307 SECTION 130 R-2
 DUPAGE COUNTY

STA. 3349+70.04 TO 3356+08.49
 SCALE: None DRAWN BY: MRK
 DATE: MAY 13, 2011 CHECKED BY: MJP

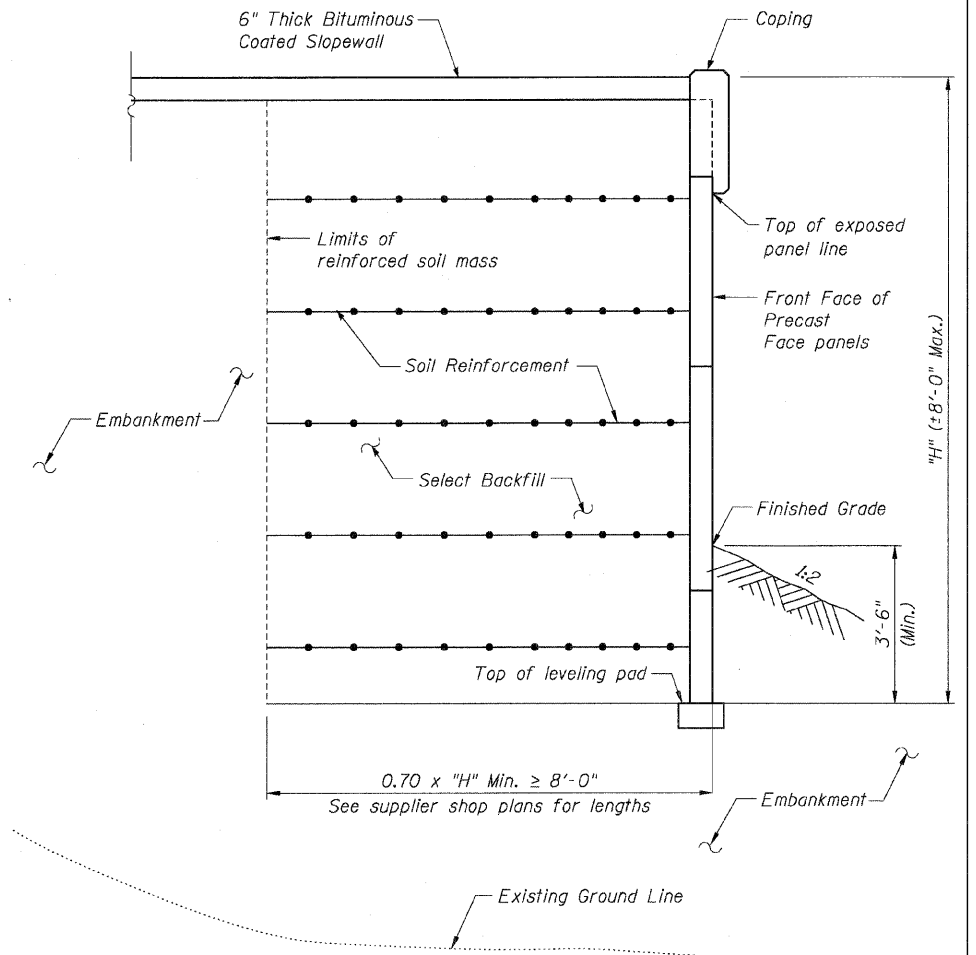
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	503
STA. 3356+37.74		TO STA. 3359+24.72		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

62410



TYPICAL SECTION
 Sta. 3355+63.01 to Sta. 3355+92.96
 (Looking Downstation)



TYPICAL SECTION
 Sta. 3355+92.96 to Sta. 3356+08.49
 (Looking Downstation)

NOTES:

1. For General Notes, see Sheet NW2.
2. For Coping Details, see Sheet NW8.
3. For Approach Slab Details, see Bridge 022-0190 plans.

Sheet NW4 of 9

REVISIONS	
NAME	DATE

F.A.P. ROUTE 307 ILLINOIS ROUTE 64
 (NORTH AVENUE)
 OVER E.J.&E. AND U.P. R.R.
 TYPICAL SECTIONS

STRUCTURE NUMBER 022-W027
 FAP 307 SECTION 130 R-2
 DU PAGE COUNTY

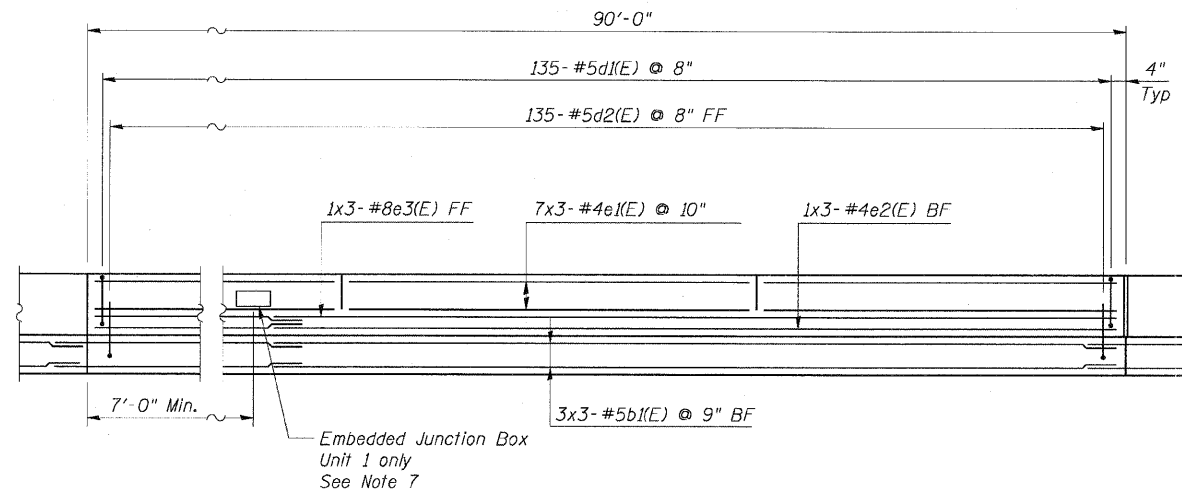
STA. 3349+70.04 TO 3356+08.49
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 DATE: MAY 13, 2011 CHECKED BY: MJP



STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

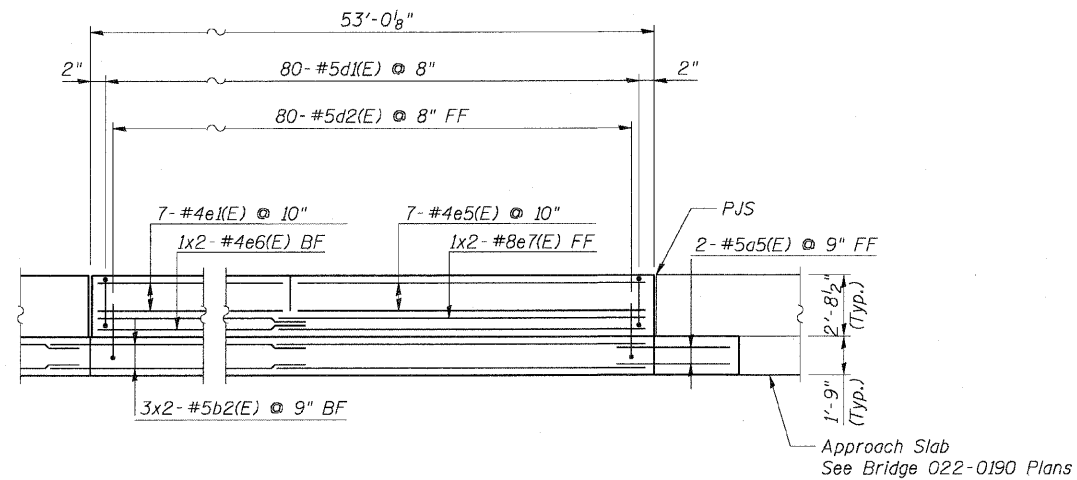
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	504
STA. 3356+37.74		TO STA. 3359+24.72		
ILLINOIS		FED. AID PROJECT		

62410



MOMENT SLAB ELEVATION

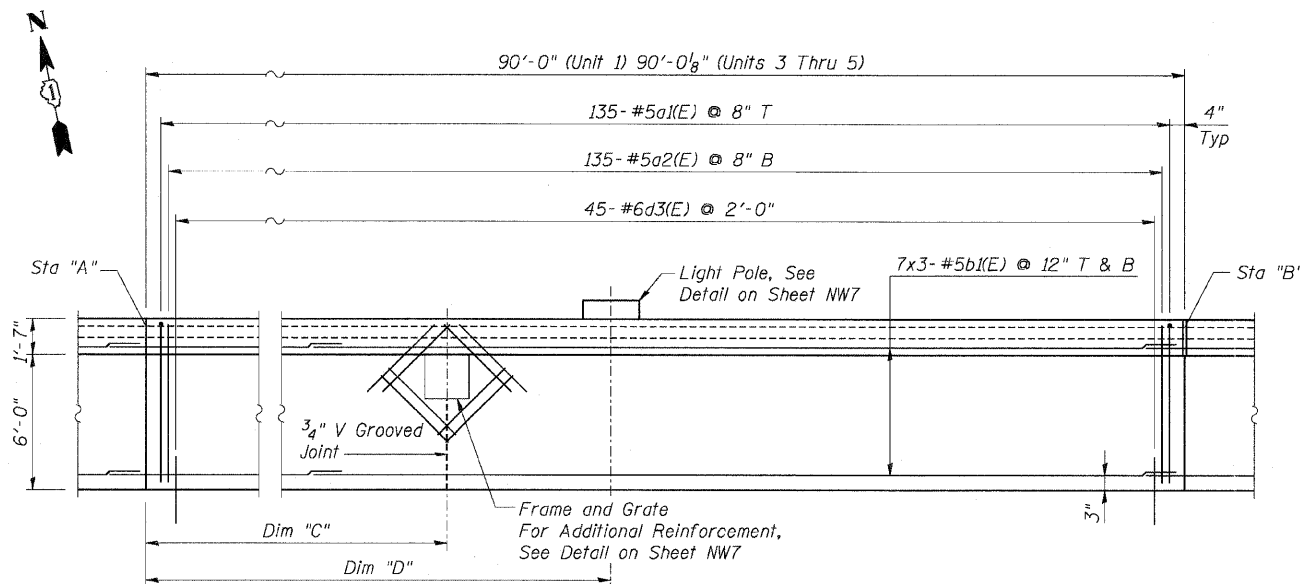
Units 1, 3, 4 and 5



MOMENT SLAB ELEVATION

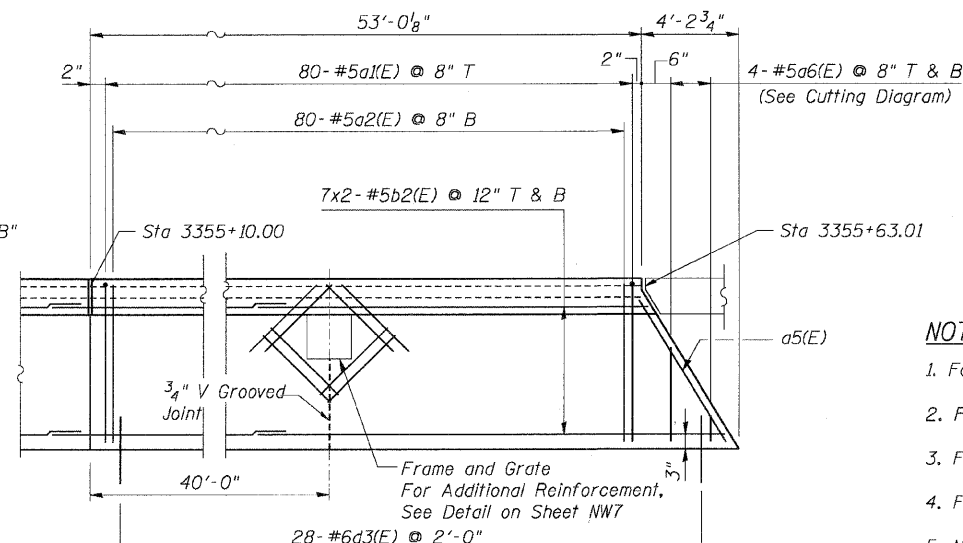
Unit 7

Approach Slab
 See Bridge 022-0190 Plans



MOMENT SLAB PLAN

Units 1, 3, 4 and 5

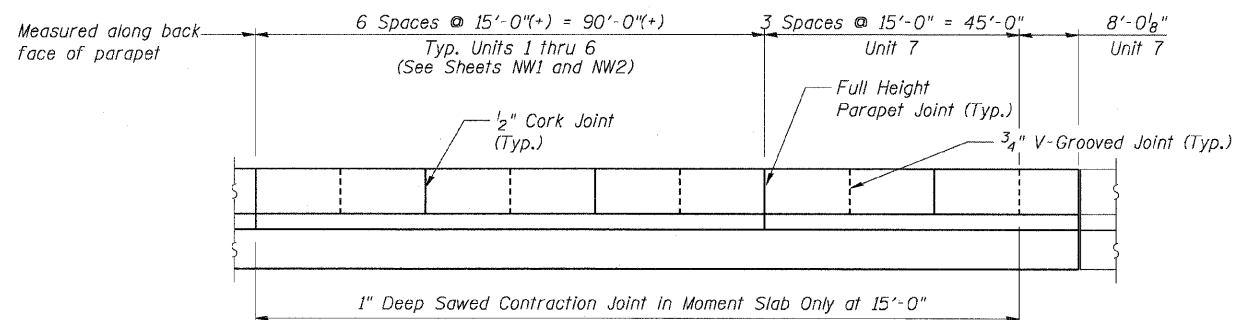


MOMENT SLAB PLAN

Unit 7

NOTES:

- For General Notes, see Sheet NW2.
- For Bar Bending Diagrams, see Sheet NW9.
- For Slab Elevations, see Roadway Plans.
- For Barrier Joint Details, See Sheet NW9.
- Minimum lap lengths for horizontal bars shall be as follows:
 for #5b bars - 3'-8"
 for #5e bars - 3'-3"
 for #8e bars - 6'-9"
- Bars indicated thus 7x2-#5 etc. indicates 7 lines of bars with 2 lengths per line.
- Embedded Junction Box: Cut d1(E) and d2(E) bars to fit. Provide 2 additional d1(E) and d2(E) bars on each side of box alternate between d1(E) and d2(E) bars. Shift horizontal bars to clear box. Provide minimum 1/2" clearance to bars. See Sheet E-17 for additional details.
- Provide DX Type Deflection Fittings at all 1/2" cork filled expansion joints in Concrete Barrier Rail. See Sheet E-11 for details.



PARAPET AND MOMENT SLAB JOINT LAYOUT

See Note 4

Unit	Sta. "A"	Sta. "B"	Dim. "C"	Dim. "D"
1	3349+70.04	3350+60.04	NA	NA
3	3351+50.12	3352+40.12	NA	14'-10 1/2"
4	3352+40.12	3353+30.12	59'-11"	NA
5	3353+30.12	3354+20.12	NA	74'-10 1/2"

REVISIONS	
NAME	DATE

F.A.P. ROUTE 307 ILLINOIS ROUTE 64
 (NORTH AVENUE)
 OVER E.J.&E. AND U.P. R.R.
 MOMENT SLAB DETAILS

STRUCTURE NUMBER 022-W027
 FAP 307 SECTION 130 R-2
 DUPAGE COUNTY

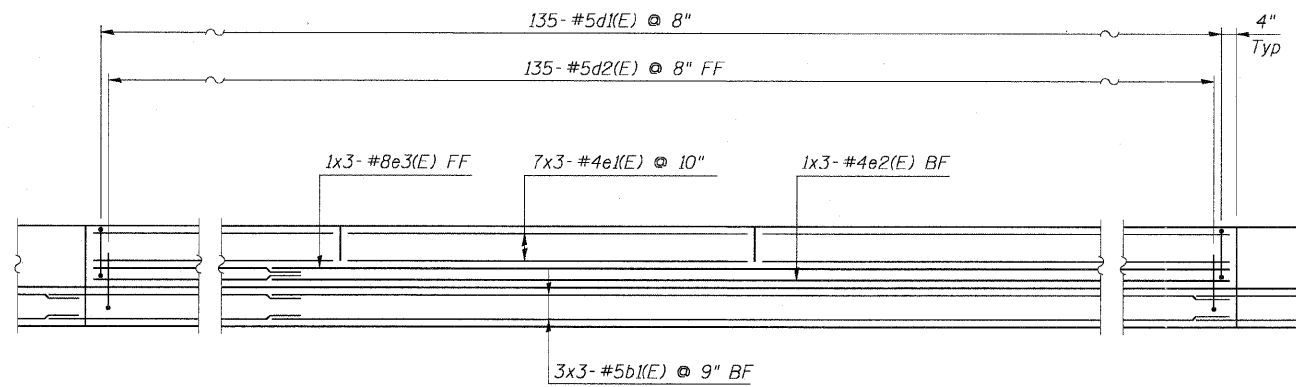
STA. 3349+70.04 TO 3356+08.49
 SCALE: None DRAWN BY: MRK
 DATE: MAY 13, 2011 CHECKED BY: MJP



STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

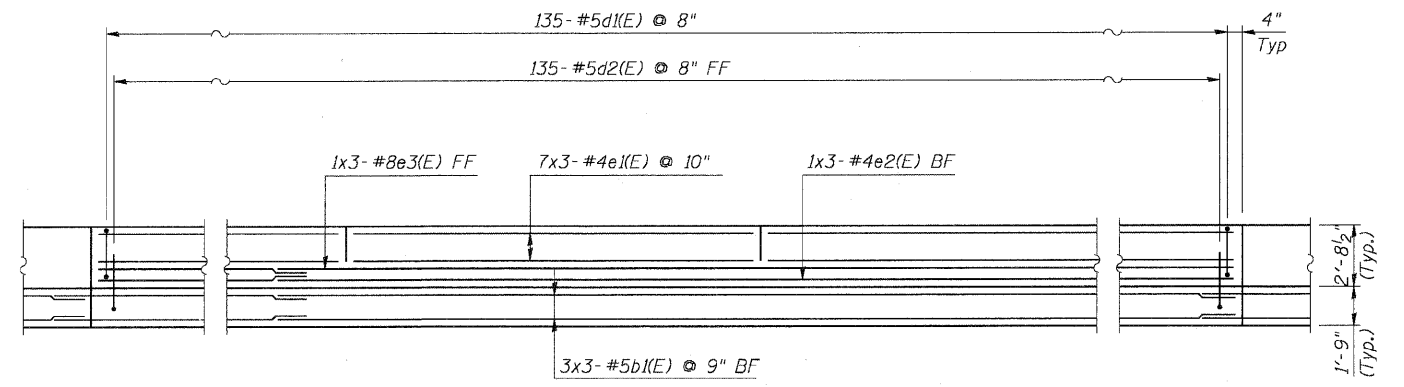
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	505
STA. 3356+37.74		TO STA. 3359+24.72		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

62410



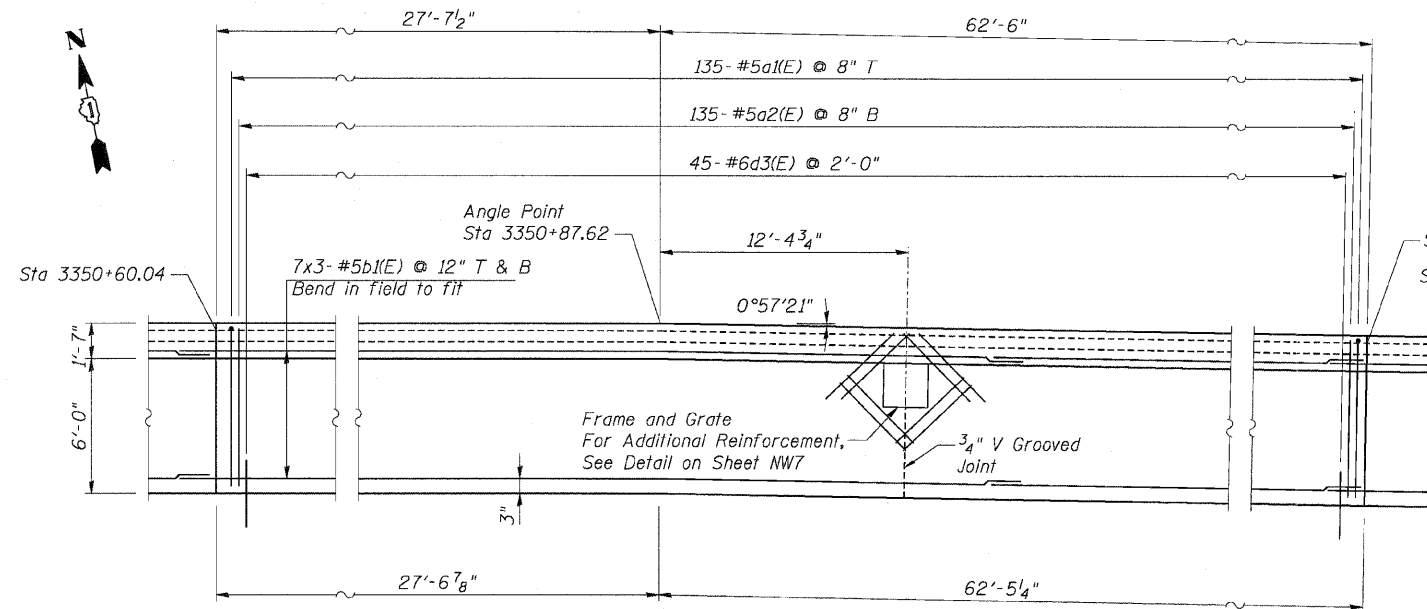
MOMENT SLAB ELEVATION

Unit 2



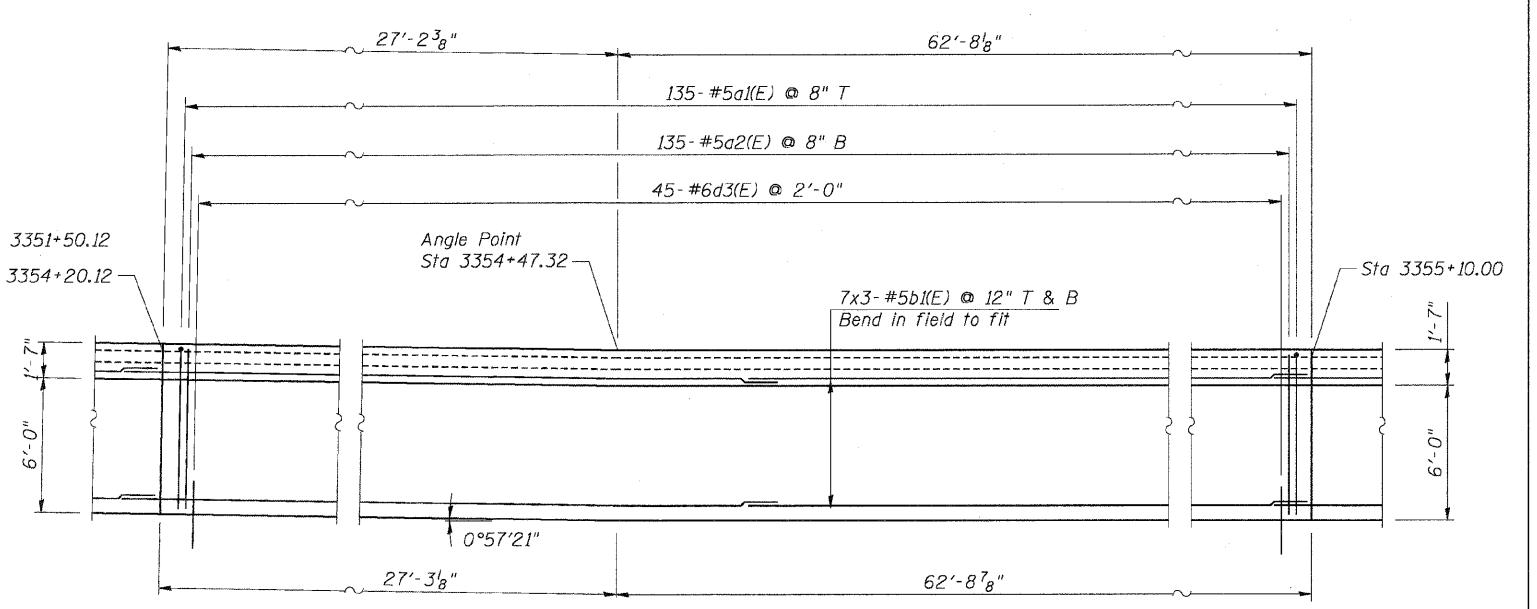
MOMENT SLAB ELEVATION

Unit 6



MOMENT SLAB PLAN

Unit 2



MOMENT SLAB PLAN

Unit 6

NOTES:

1. For General Notes, see Sheet NW2.
2. For Bar Bending Diagrams, see Sheet NW9.
3. For Slab Elevations, see Roadway Plans.
4. For Barrier Joint Details, See Sheet NW9.
5. Minimum lap lengths for horizontal bars shall be as follows:
 for #5b bars - 3'-8"
 for #5e bars - 3'-3"
 for #8e bars - 6'-9"
6. Bend longitudinal bars in field to fit.
7. Bars indicated thus 7x2-#5 etc. indicates 7 lines of bars with 2 lengths per line.
8. Provide DX Type Deflection Fittings at all 1/2" cork filled expansion joints in Concrete Barrier Rail. See Sheet E-11 for details.

Sheet NW6 of 9

REVISIONS	
NAME	DATE

F.A.P. ROUTE 307 ILLINOIS ROUTE 64
 (NORTH AVENUE)
 OVER E.J.&E. AND U.P. R.R.
 MOMENT SLAB DETAILS

STRUCTURE NUMBER 022-W027
 FAP 307 SECTION 130 R-2
 DUPAGE COUNTY
 STA. 3349+70.04 TO 3356+08.49
 SCALE: None
 DATE: MAY 13, 2011

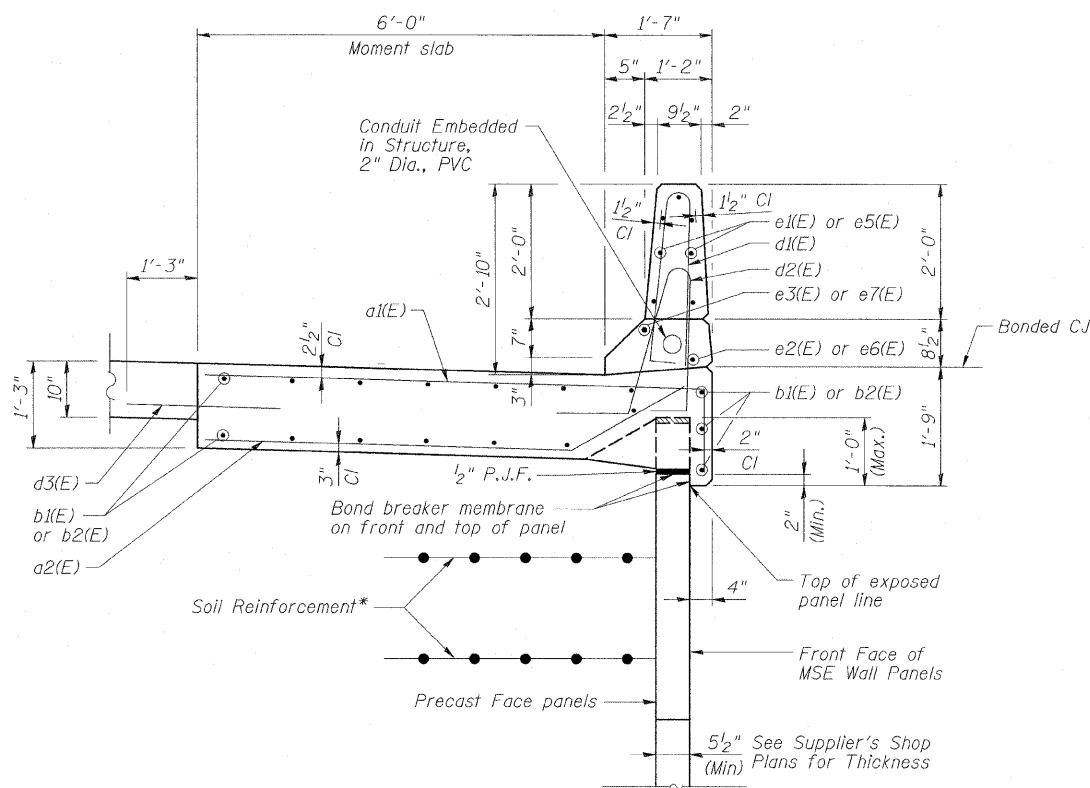
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 CHECKED BY: MJP



STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

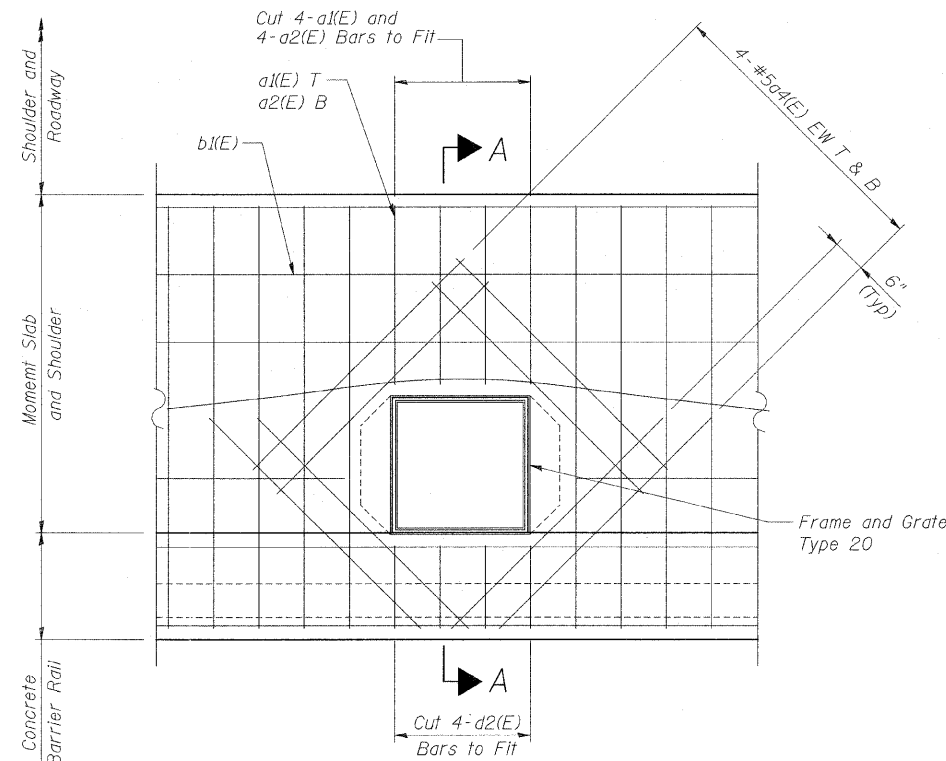
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE,KANE	647	506
STA. 3356+37.74 TO STA. 3359+24.72				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

62410



TYPICAL CROSS SECTION THRU MOMENT SLAB & BARRIER

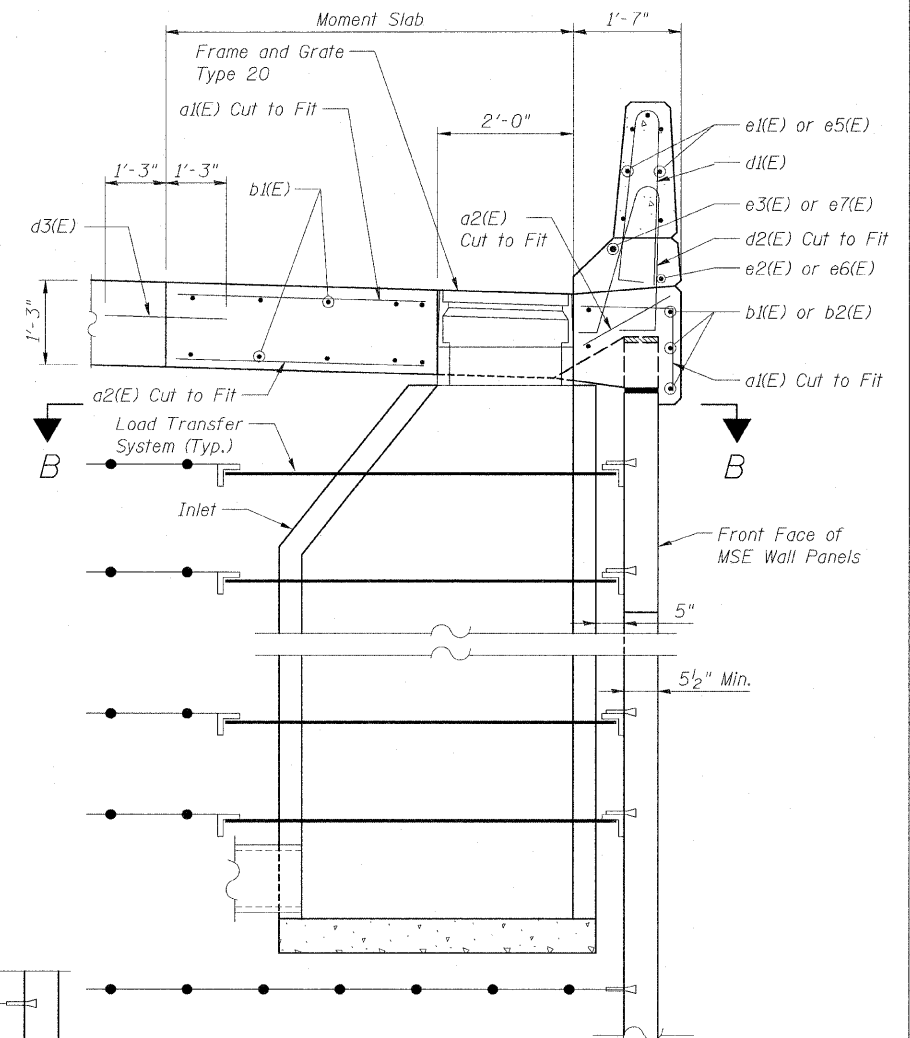
* The M.S.E. Wall supplier's internal stability design shall account for the anchorage slab's bearing pressure surcharge of 0.24 ksf and horizontal sliding force of 0.5 kips/ft. of wall.



DETAIL 1-MOMENT SLAB AND BARRIER AT CATCH BASIN

NOTES:

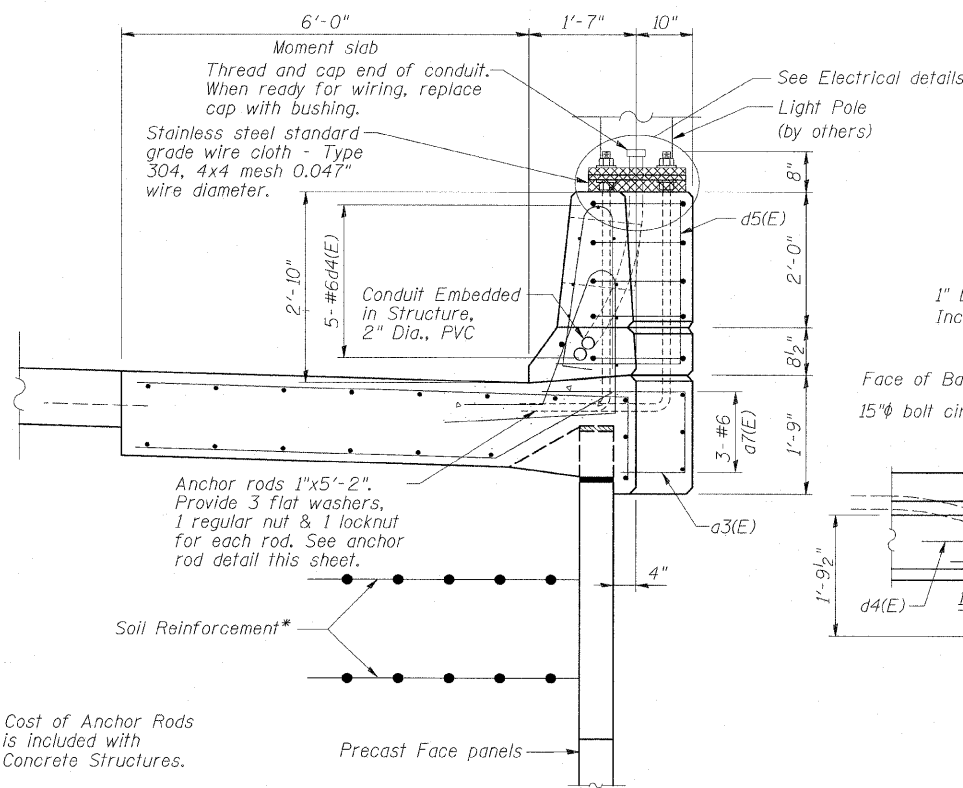
1. Provide minimum 2" clearance between reinforcing bars and Frame and Grate Type 20.



SECTION A-A
 Units 2, 4 and 7

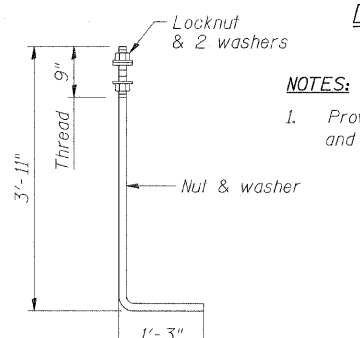
NOTES:

1. For General Notes, see Sheet NW2.
2. For Bar Bending Diagrams, see Sheet NW9.



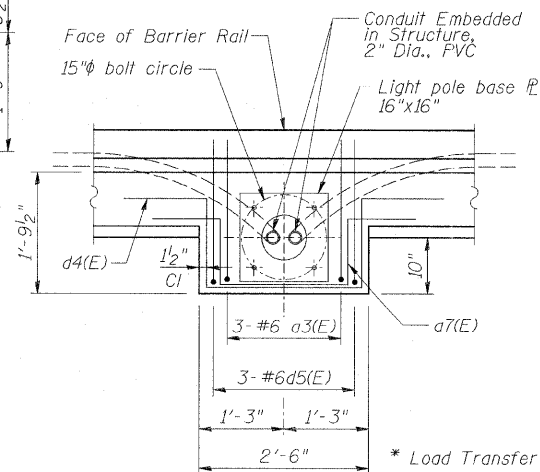
SECTION LIGHT POLE MOUNTED ON CONCRETE BARRIER RAIL

Note: Cost of Anchor Rods is included with Concrete Structures.



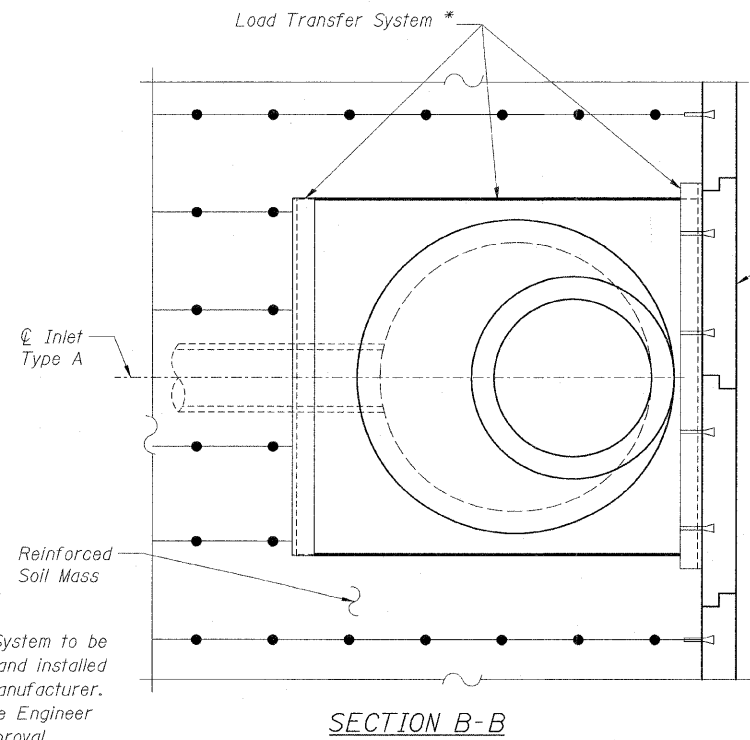
ANCHOR ROD

1" Diameter (ASTM F 1554 Grade 105)
 Included in the cost of Concrete Structures.



PLAN

* Load Transfer System to be designed, detailed and installed by the MSE Wall Manufacturer. Submit plans to the Engineer for review and approval.



SECTION B-B

REVISIONS	
NAME	DATE

F.A.P. ROUTE 307 ILLINOIS ROUTE 64
 (NORTH AVENUE)
 OVER E.J.&E. AND U.P. R.R.
MOMENT SLAB DETAILS
 AT DRAINAGE STRUCTURE
 STRUCTURE NUMBER 022-W027
 FAP 307 SECTION 130 R-2
 DUPAGE COUNTY
 STA. 3349+70.04 TO 3356+08.49
 SCALE: None
 DATE: NOVEMBER 1, 2011
 DRAWN BY: MRK
 CHECKED BY: MJP

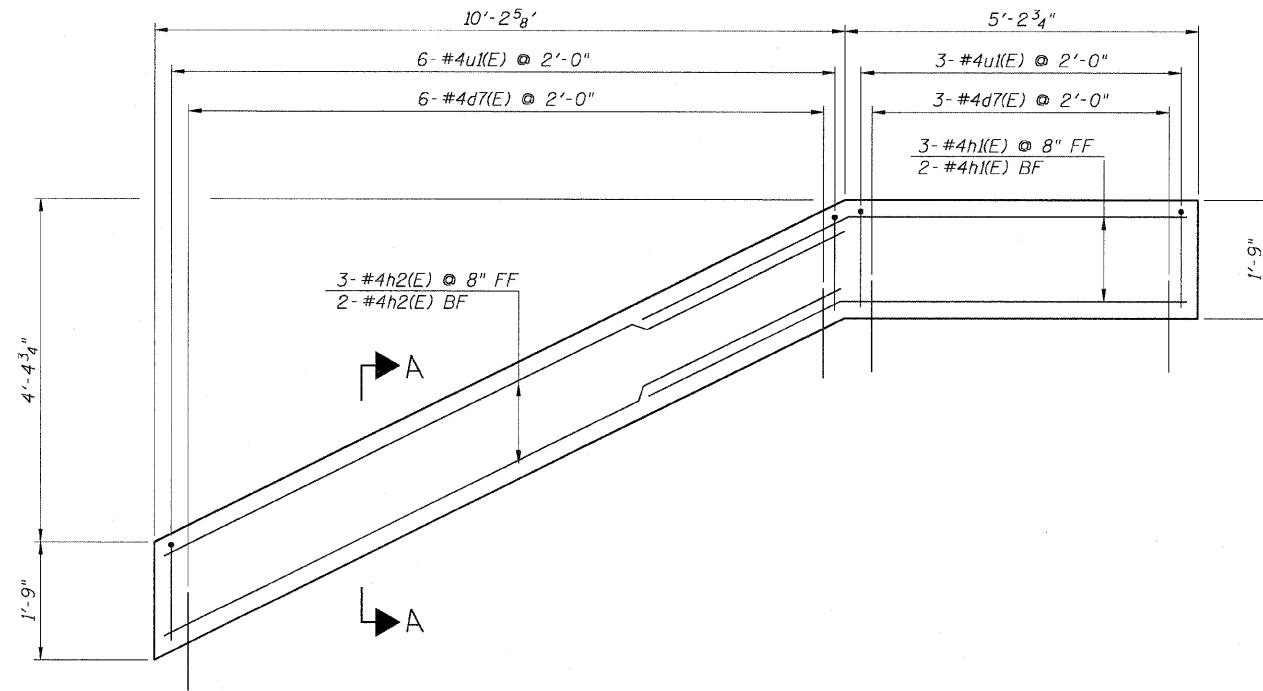
Sheet NW7 of 9



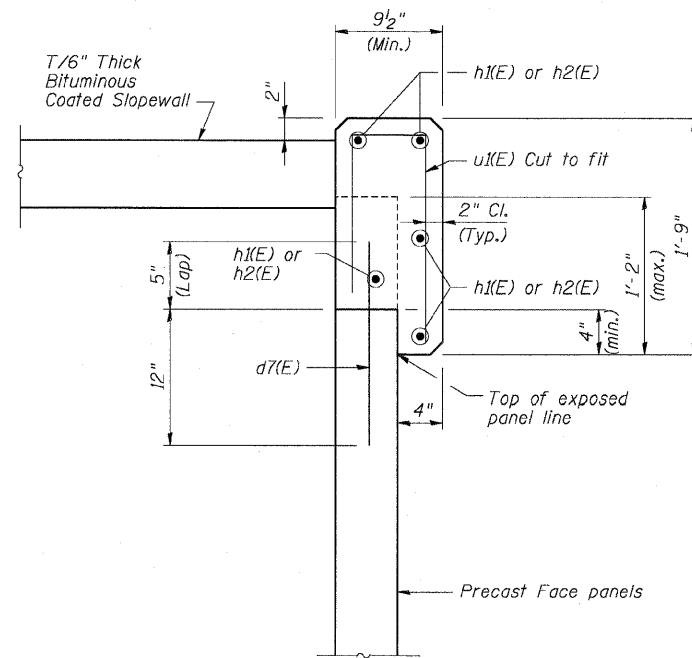
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	507
STA. 3356+37.74		TO STA. 3359+24.72		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

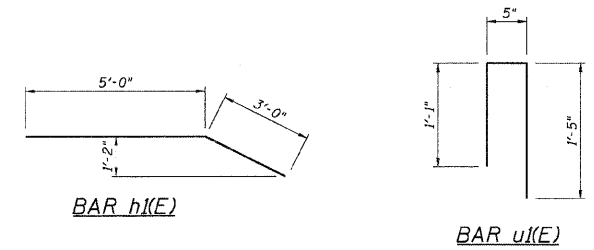
62410



COPING DETAIL



SECTION A-A



NOTES:

1. For General Notes, see Sheet NW2.
2. For Bar Bending Diagrams, see Sheet NW9.
3. Concrete and Reinforcing Steel for the Slopewall Coping are included in the cost of Mechanically Stabilized Earth Retaining Wall.

Sheet NW8 of 9

REVISIONS		NAME	DATE
NO.	DESCRIPTION		

F.A.P. ROUTE 307 ILLINOIS ROUTE 64 (NORTH AVENUE) OVER E.J.&E. AND U.P. R.R. COPING DETAILS

STRUCTURE NUMBER 022-W027
 FAP 307 SECTION 130 R-2
 DUPAGE COUNTY
 STA. 3349+70.04 TO 3356+08.49

SCALE: None
 DATE: MAY 13, 2011

DRAWN BY: MRK
 CHECKED BY: MJP



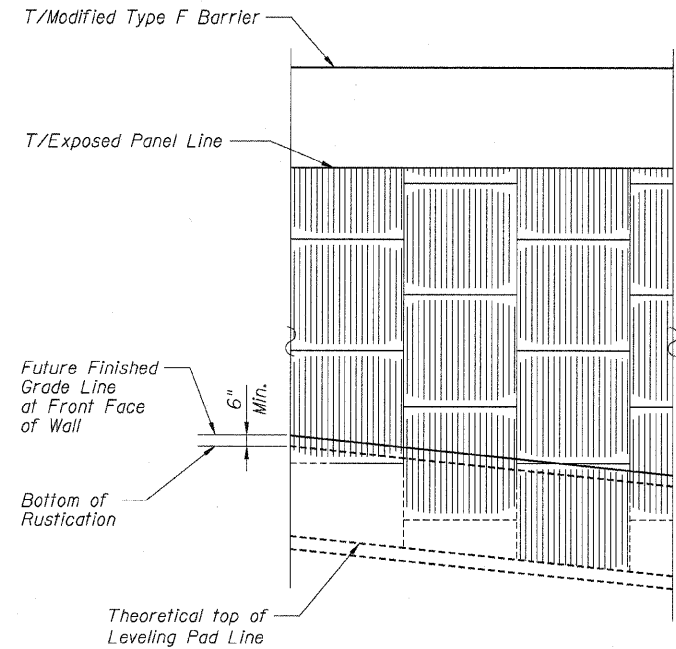
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	508
STA. 3356+37.74		TO STA. 3359+24.72		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

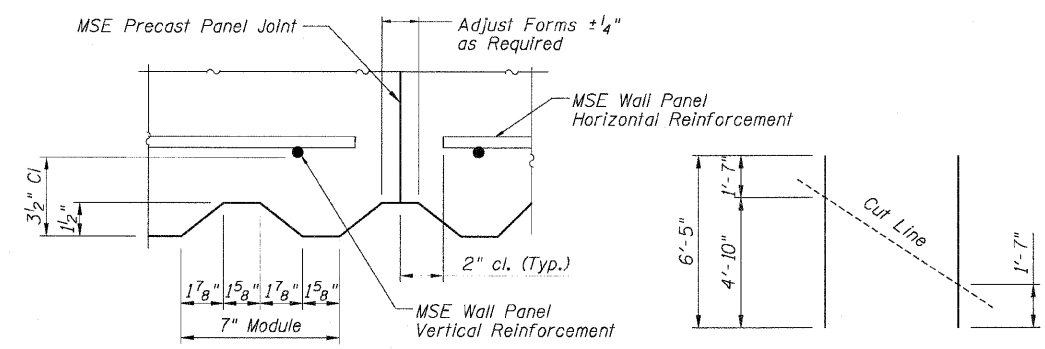
62410

BILL OF MATERIAL

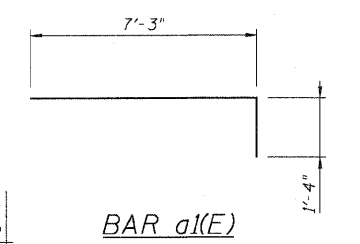
Bar	No.	Size	Length	Shape
a1(E)	890	#5	8'-7"	
a2(E)	890	#5	7'-6"	
a3(E)	6	#6	4'-9"	
a4(E)	48	#5	4'-8"	
a5(E)	2	#5	6'-6"	
a6(E)	4	#5	6'-5"	
a7(E)	6	#6	7'-11"	
b1(E)	306	#5	33'-8"	
b2(E)	34	#5	32'-3"	
d1(E)	894	#5	5'-7"	
d2(E)	894	#5	6'-2"	
d3(E)	298	#6	2'-6"	
d4(E)	10	#6	8'-11"	
d5(E)	6	#6	4'-5"	
e1(E)	133	#4	29'-6"	
e2(E)	18	#4	32'-1"	
e3(E)	18	#8	34'-5"	
e5(E)	7	#4	22'-6"	
e6(E)	2	#4	28'-4"	
e7(E)	2	#8	30'-1"	
Item	Unit	Quantity		
Reinforcement Bars, Epoxy Coated	Pound	44,420		



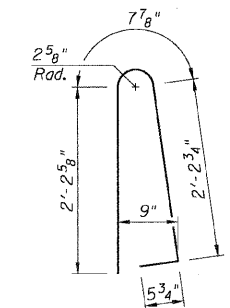
ELEVATION
 TYPICAL ARCHITECTURAL FINISH



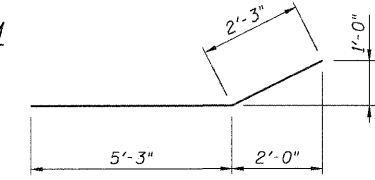
MSE WALL PANEL FLUTE DETAIL
 Full Height of Wall
 CUTTING DIAGRAM
 BAR a6(E)



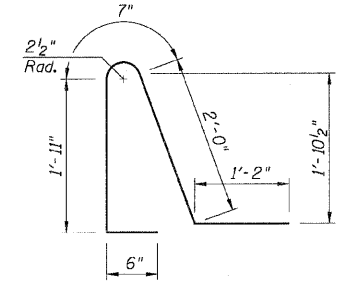
BAR a1(E)



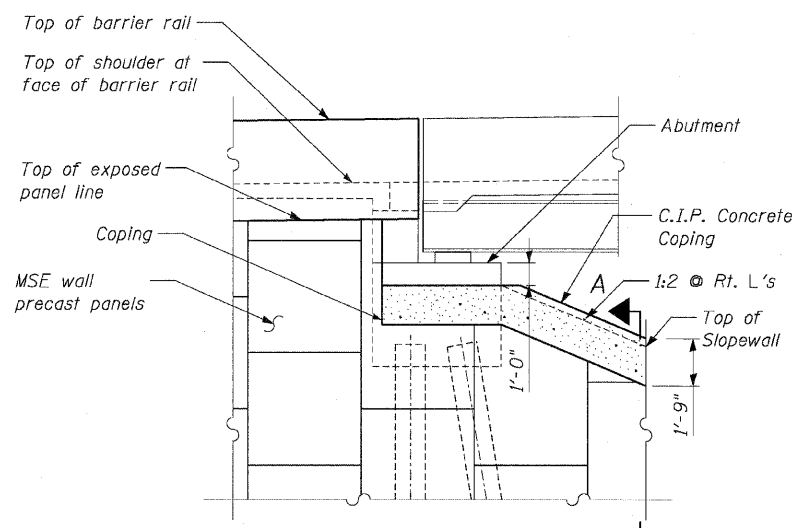
BAR d1(E)



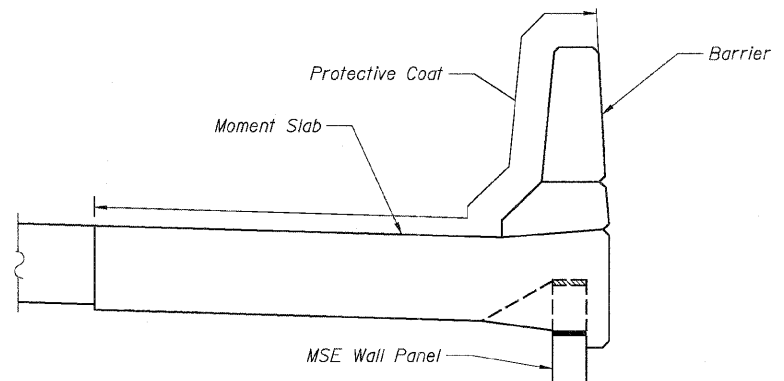
BAR a2(E)



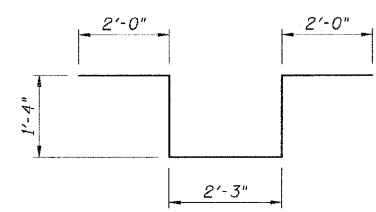
BAR d2(E)



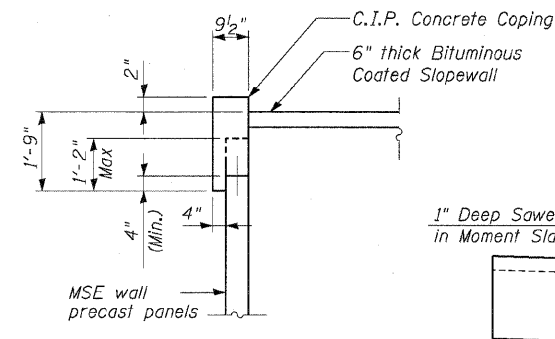
DETAIL 1
 (Looking North)



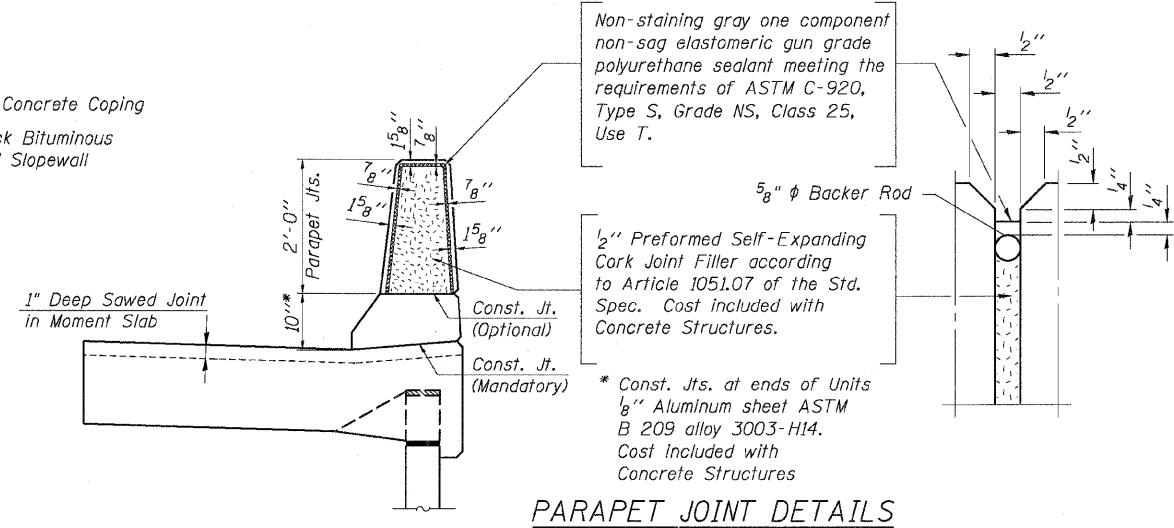
PROTECTIVE COAT



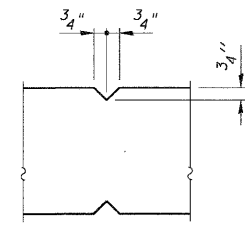
BAR d4(E)



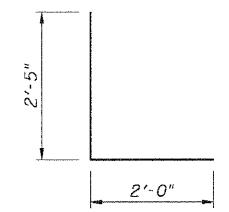
SECTION A-A



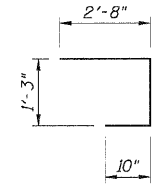
PARAPET JOINT DETAILS



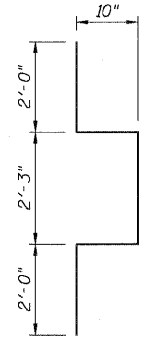
3/4" V-GROOVED JOINT DETAIL



BAR d5(E)



BAR a3(E)



BAR a7(E)

NOTES:

1. For General Notes, see Sheet NW2.

REVISIONS	
NAME	DATE

Sheet NW9 of 9
 F.A.P. ROUTE 307 ILLINOIS ROUTE 64 (NORTH AVENUE) OVER E.J.&E. AND U.P. R.R. REINFORCEMENT DETAILS AND BILL OF MATERIAL
 STRUCTURE NUMBER 022-W027
 FAP 307 SECTION 130 R-2
 DUPAGE COUNTY
 STA. 3349+70.04 TO 3356+08.49
 SCALE: None
 DATE: MAY 13, 2011
 DRAWN BY: MRK
 CHECKED BY: MJP

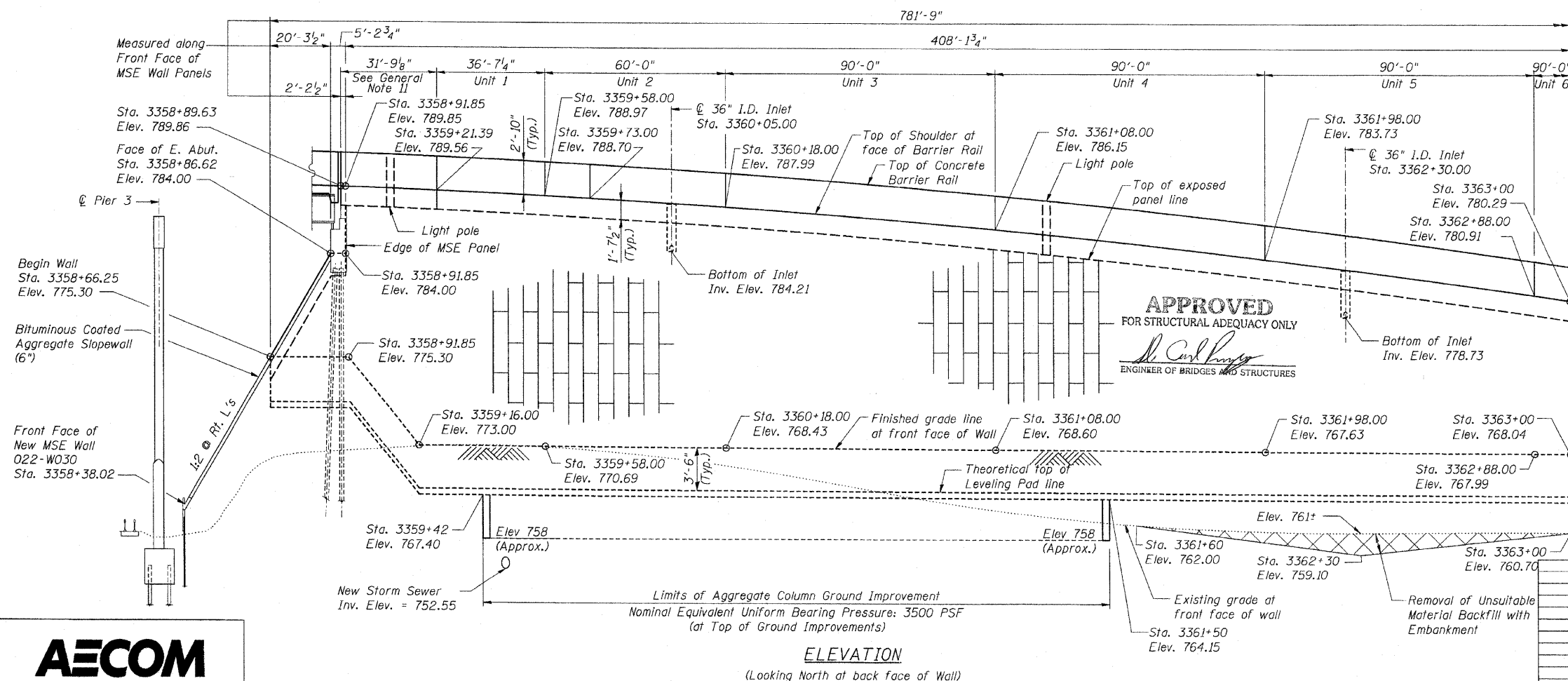
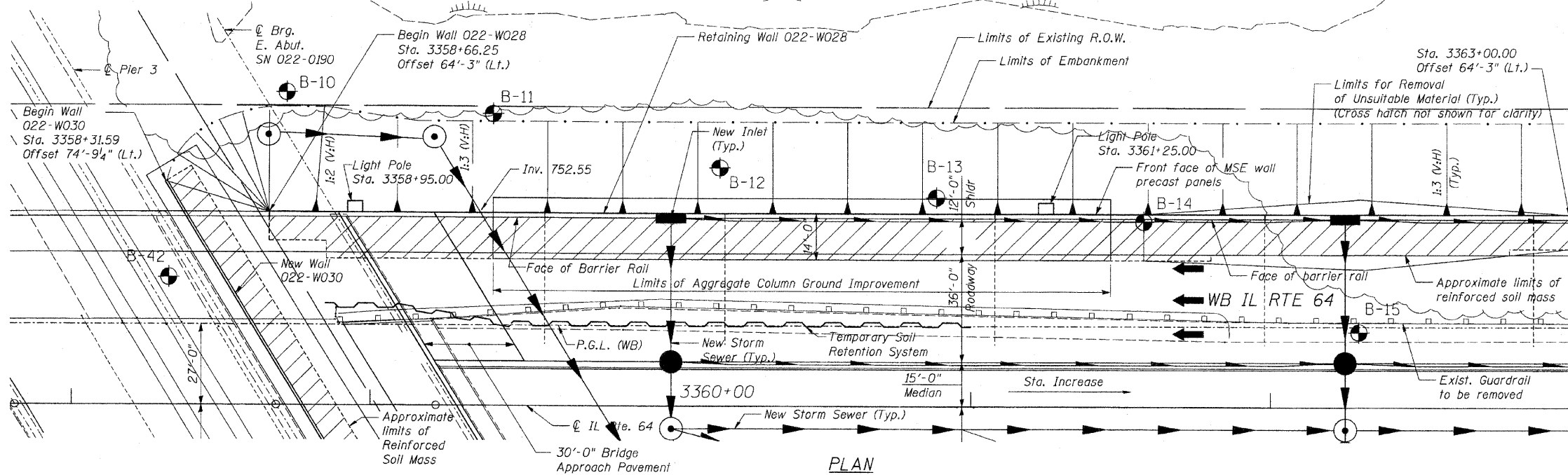


STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	509
STA. 3356+37.74		TO STA. 3359+24.72		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

Benchmark: "C" Cut in SW Corner Concrete Base of Traffic Signal Box in NW Corner IL Rte. 64 & Powis Rd. Elev. 758.46

Existing Structure: None.



DESIGN SPECIFICATIONS 62410

AASHTO Standard Specifications for Highway Bridges, 17th Edition-2002

DESIGN STRESSES

FIELD UNITS

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

PRECAST UNITS

$f'_c = 4,500$ psi (Precast Face Panels)

INDEX OF SHEETS:

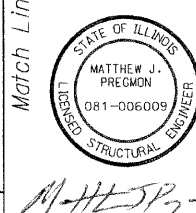
- NE1 General Plan
- NE2 General Plan
- NE3 Typical Sections
- NE4 Typical Sections
- NE5 Moment Slab Details
- NE6 Moment Slab Details at Drainage Structure
- NE7 Coping Details
- NE8 Reinforcement Details and Bill of Material

NOTES:

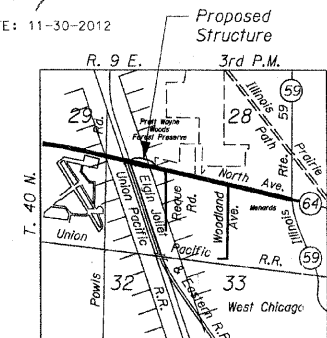
1. For General Notes, see Sheet NE2.
2. The face of abutment station is measured to an offset equal to 63'-9" (The assumed back face of the MSE wall panels).
3. The vertical scale of the Elevation view has been exaggerated to show detail.
4. For Temporary Soil Retention System, see Sheet TS2.

BILL OF MATERIAL

Item	Unit	Quantity
Removal and Disposal of Unsuitable Material	Cu Yd	156
Structure Excavation	Cu Yd	1461
Concrete Structures	Cu Yd	330.9
Protective Coat	Sq Yd	788
Reinforcement Bars, Epoxy Coated	Pound	54,680
Temporary Soil Retention System	Sq Ft	2,331
Mechanically Stabilized Earth Retaining Wall	Sq Ft	10,589
Aggregate Column	L. Sum	0.25
Ground Improvement		
Conduit Embedded in Structure, 2" Dia., PVC	Foot	747



APPROVED
 FOR STRUCTURAL ADEQUACY ONLY
 M. Carl Pregon
 ENGINEER OF BRIDGES AND STRUCTURES



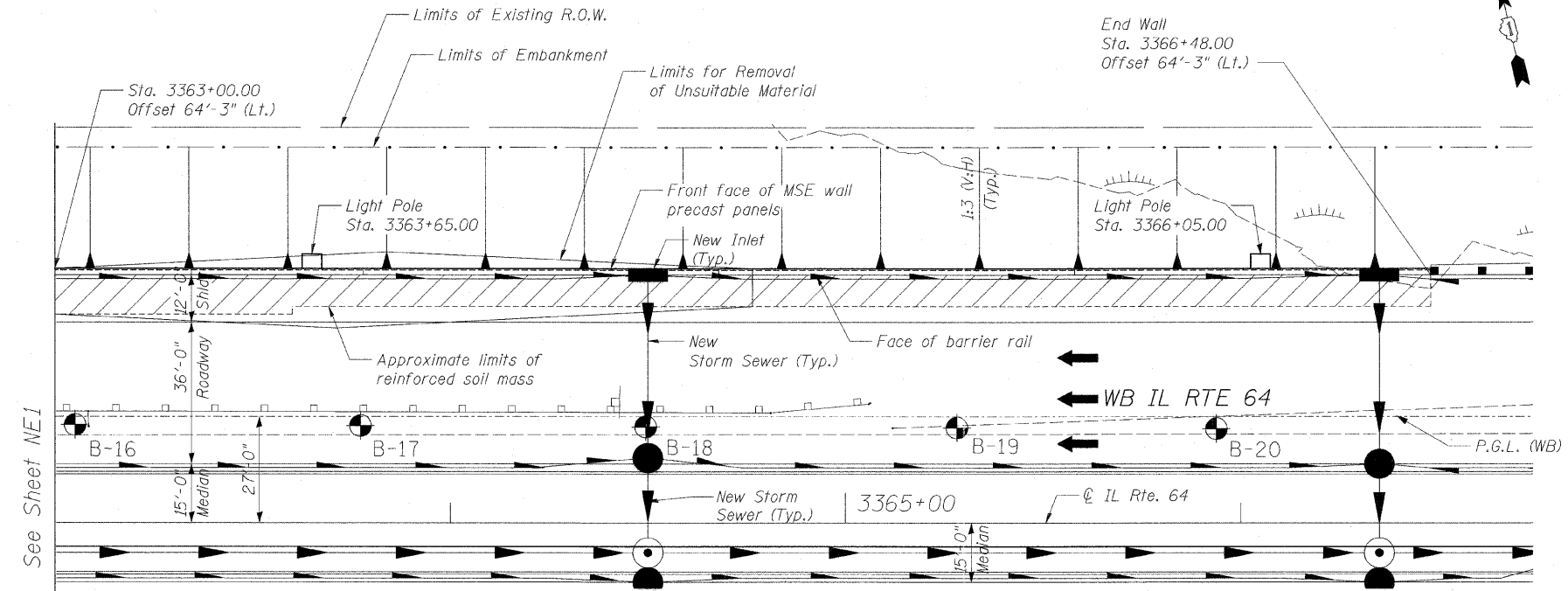
REVISIONS	NAME	DATE

Sheet NE1 of 8
 F.A.P. ROUTE 307 ILLINOIS ROUTE 64 (NORTH AVENUE) OVER E.J.&E. AND U.P. R.R. GENERAL PLAN
 STRUCTURE NUMBER 022-W028
 FAP 307 SECTION 130 R-2
 DUPAGE COUNTY
 STA. 3358+66.25 TO 3366+48.00
 SCALE: DRAWN BY: MRK
 DATE: NOVEMBER 1, 2011 CHECKED BY: MJP



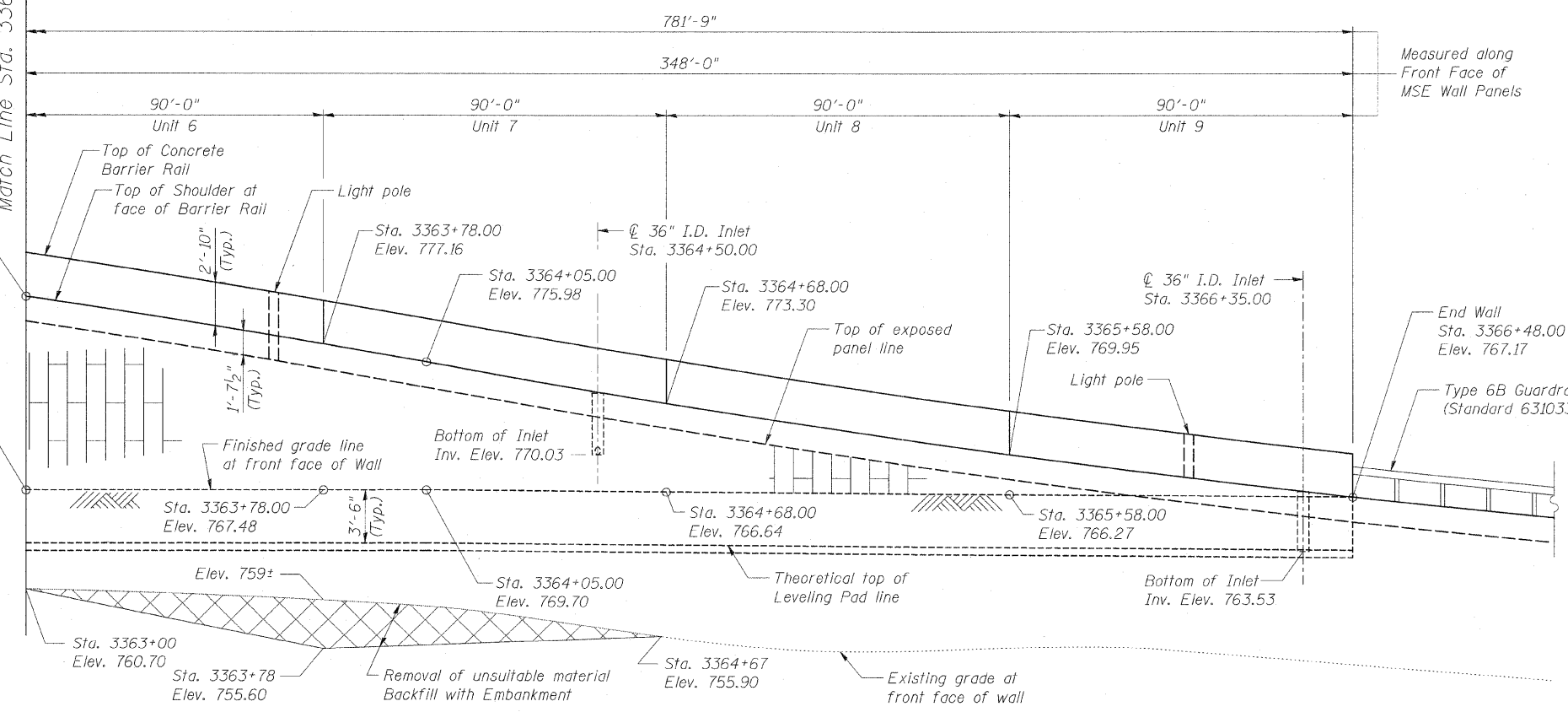
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	510
STA. 3356+37.74		TO STA. 3359+24.72		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	62410	



PLAN

See Sheet NE1
 Match Line Sta. 3363+00



ELEVATION
 (Looking North at back face of wall)

ABBREVIATIONS:

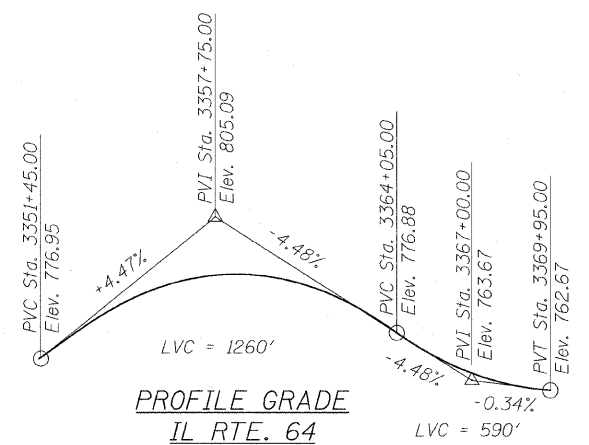
- B Bottom
- BF Back Face
- CJ Construction Joint
- EF Each Face
- FF Front Face
- Lt Left
- PJF Preformed Joint Filler
- PJS Preformed Joint Seal
- Shld Shoulder
- Sta Station
- T Top

LEGEND:

- Removal of Unsuitable Material
- MSE Wall Panels
- Soil Boring

GENERAL NOTES:

1. Stations and offsets are measured from \odot IL Rte. 64 to the front face of the MSE wall panels.
2. Existing utilities in conflict with the retaining wall shall be abandoned or relocated according to directions given in the Roadway Plans.
3. All construction joints shall be bonded.
4. All exposed concrete edges shall have a $\frac{3}{4}$ " by 45° chamfer except where shown otherwise. Chamfer on vertical edges shall be continued a minimum of 1 foot below the finished ground line.
5. A protective coat shall be applied according to Section 503 of the Standard Specifications to the top and inside surfaces of the Barrier and the top of the Moment Slab.
6. Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60.
7. Reinforcement bars designated "(E)" shall be epoxy coated.
8. Coarse aggregate for concrete in Barrier shall meet the requirements of Section 1004.01(k) of the Standard Specifications, Class A.
9. Slipforming of Barrier is prohibited.
10. For Boring Logs, see Sheets SBI and SB2.
11. For Coping and Barrier Details along the Approach Slab, see Bridge 022-0190 Plans.
12. Any embankment fill that is placed to support the bearing of the wall shall have a minimum unconfined compressive strength equal to 1.5 TSF or a minimum phi angle of 30°.
13. Standard symbols, abbreviations and patterns for existing features per Std. 000001-01 through 000001-04.
14. Temporary MSE Wall is located From Station 3348+00 to Station 3354+50. For Temporary MSE Wall Details, see Sheet TS1.



REVISIONS	
NAME	DATE

F.A.P. ROUTE 307 ILLINOIS ROUTE 64
 (NORTH AVENUE)
 OVER E.J.&E. AND U.P. R.R.
 GENERAL PLAN

STRUCTURE NUMBER 022-W028
 FAP 307 SECTION 130 R-2
 DUPAGE COUNTY

STA. 3358+66.25 TO 3366+48.00

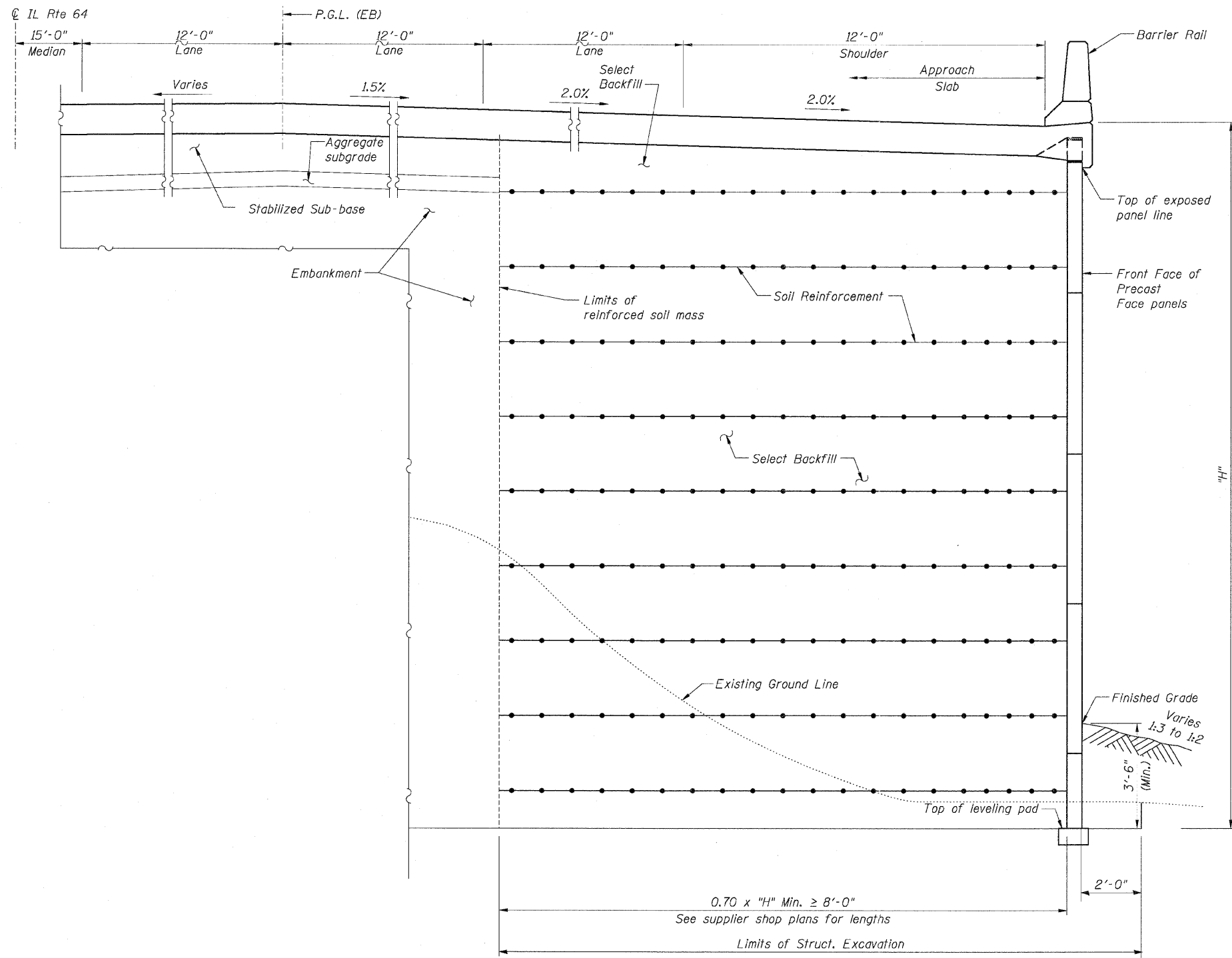
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 DATE: NOVEMBER 1, 2011 CHECKED BY: MJP



STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

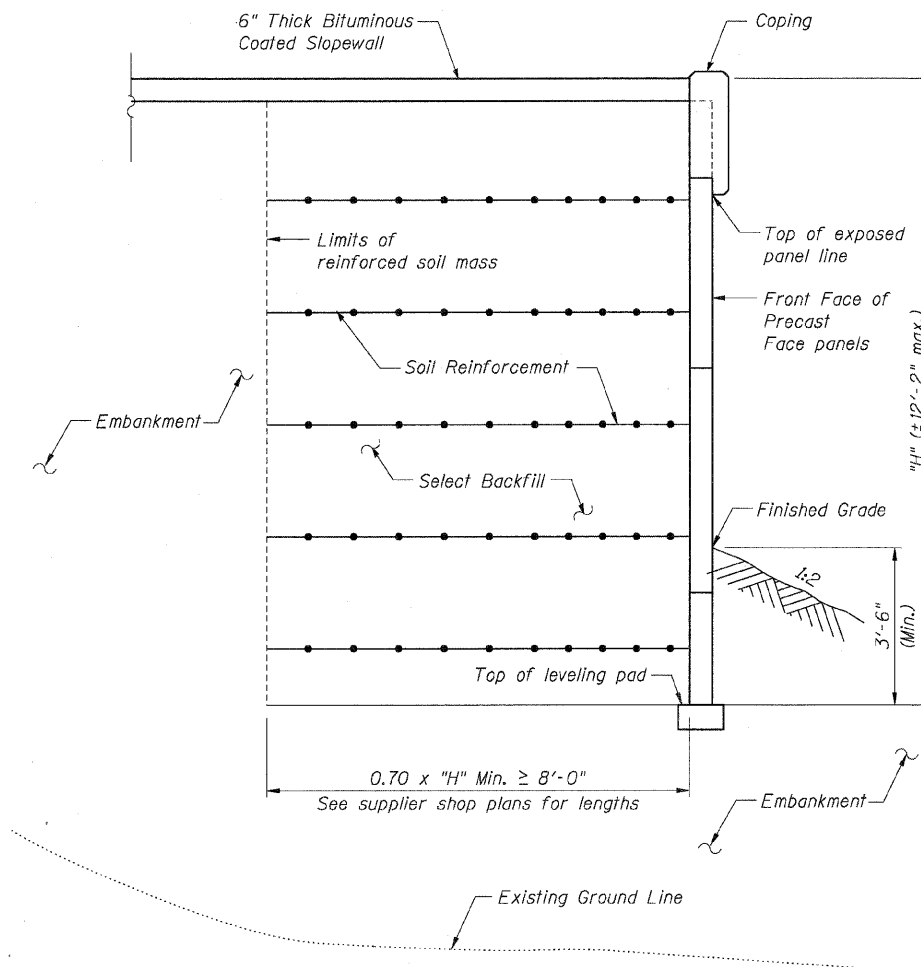
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307	130 R-2	DUPAGE, KANE	647	511
STA. 3356+37.74		TO STA. 3359+24.72		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

62410



TYPICAL SECTION

Sta. 3358+91.85 to Sta. 3359+21.39
 (Looking Downstation)



TYPICAL SECTION

Sta. 3358+66.25 to Sta. 3358+91.85
 (Looking Downstation)

NOTES:

1. For General Notes, see Sheet NE2.
2. For Coping Details, see Sheet NE7.
3. For Approach Slab Details, see Bridge 022-0190 plans.

Sheet NE3 of 8

REVISIONS		NAME	DATE
NO.	DESCRIPTION		

F.A.P. ROUTE 307 ILLINOIS ROUTE 64
 (NORTH AVENUE)
 OVER E.J.&E. AND U.P. R.R.
 TYPICAL SECTIONS

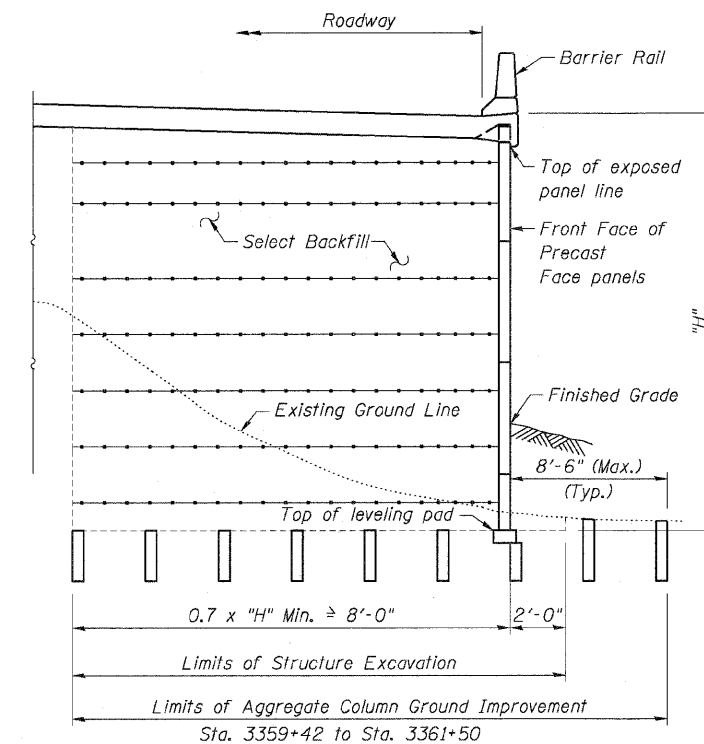
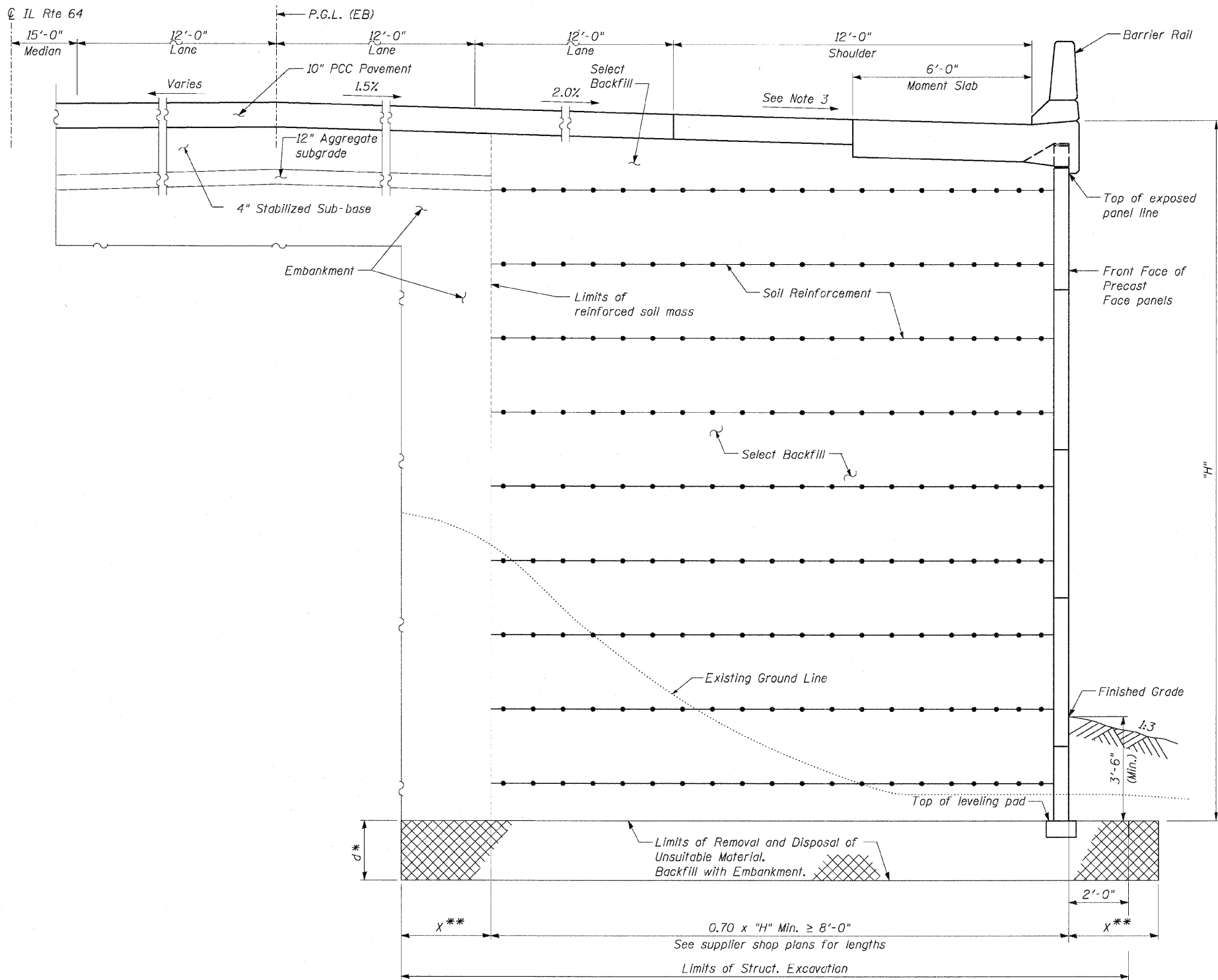
STRUCTURE NUMBER 022-W028
 FAP 307 SECTION 130 R-2
 DUPAGE COUNTY
 STA. 3358+66.25 TO 3366+48.00
 SCALE: None DRAWN BY: MRK
 DATE: MAY 13, 2011 CHECKED BY: MJP



STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	512
STA. 3356+37.74		TO STA. 3359+24.72		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

62410



SECTION

NOTES:

1. For General Notes, see Sheet NE2.
2. For Moment Slab Details, see Sheets NE5 to NE6.
3. Shoulder Slope: Sta. 3359+22.05 to Sta. 3359+73.00: Varies 2.0% to 4.0%
 Sta. 3359+73.00 to Sta. 3366+48.00: 4.0%

AGGREGATE COLUMN GROUND IMPROVEMENT:

1. Aggregate Column Ground Improvement shall be designed and installed by the Contractor in accordance with the Special Provision for Aggregate Column Ground Improvement.
2. For limits of Aggregate Column Ground Improvement, see Sheet NE1.
3. The Top of Exposed Panel Elevations shown on the Elevation View are final elevations allowing for total settlement of 4 inches and settlement after completing wall or pavement construction of 1 inch. The MSE Wall vendor shall provide additional panel heights to allow for the settlement of the leveling pad during installation. The cost of any adjustment to precast face panels that are needed to compensate for settlement shall be included with Aggregate Column Ground Improvement.
4. Vibrator compacted aggregate columns shall be constructed by the bottom feed method. Top feed will only be allowed if the columns are pre-bored the entire length and the Engineer determines that the open columns do not collapse during backfilling and vibration.

TYPICAL SECTION

Sta. 3359+21.39 to Sta. 3366+48.00
 (Looking Downstation)

Ground Improvement Performance Requirements:

1. Post-construction settlement of MSE wall shall not exceed 1.0 Inch.
2. Minimum factor of safety for global stability shall be 1.5.
3. Minimum factor of safety for Nominal Equivalent Uniform Bearing Pressure shall be 2.5.
4. Total settlement shall not exceed 4.0 inches.

* For Limits of Removal of Unsuitable Material see Sheet NW1.
 Over excavation beyond structure excavation and removal of unsuitable material will not be measured for payment.

** Edge Distance "X" is the same as the Removal Depth "d"



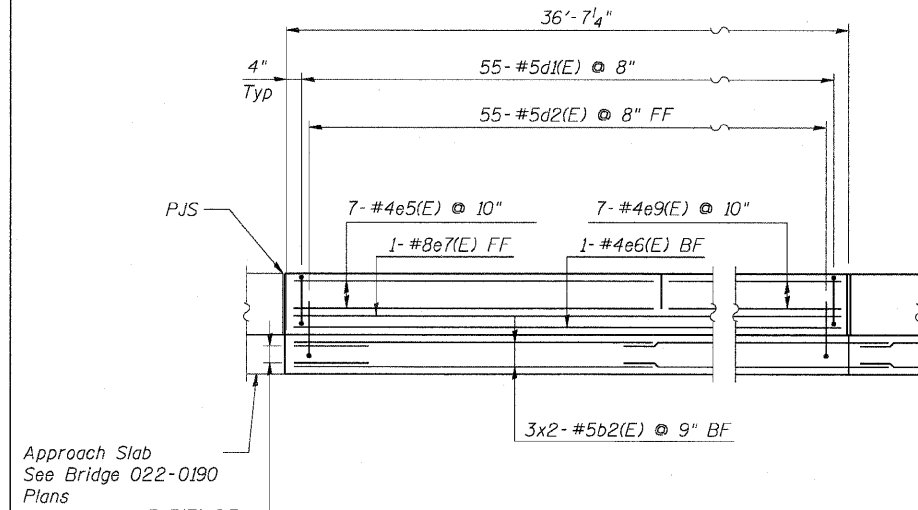
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NAME	DATE	
		STRUCTURE NUMBER 022-W028 FAP 307 SECTION 130 R-2 DUPAGE COUNTY STA. 3358+66.25 TO 3366+48.00 SCALE: None DATE: MAY 13, 2011

DRAWN BY: MRK
 CHECKED BY: MJP

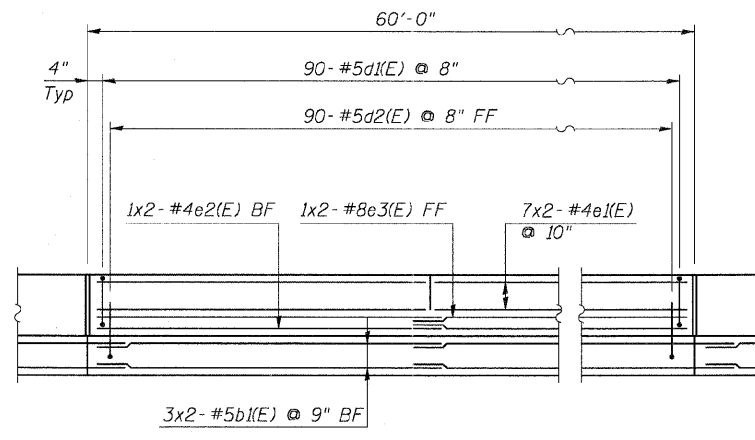
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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STA. 3356+37.74 TO STA. 3359+24.72		ILLINOIS FED. AID PROJECT		

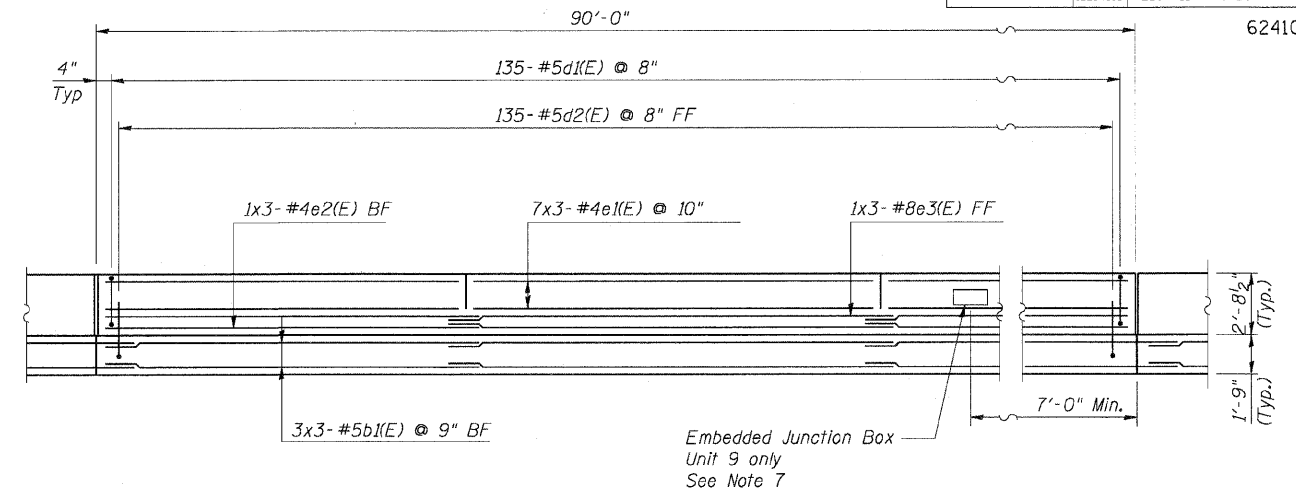
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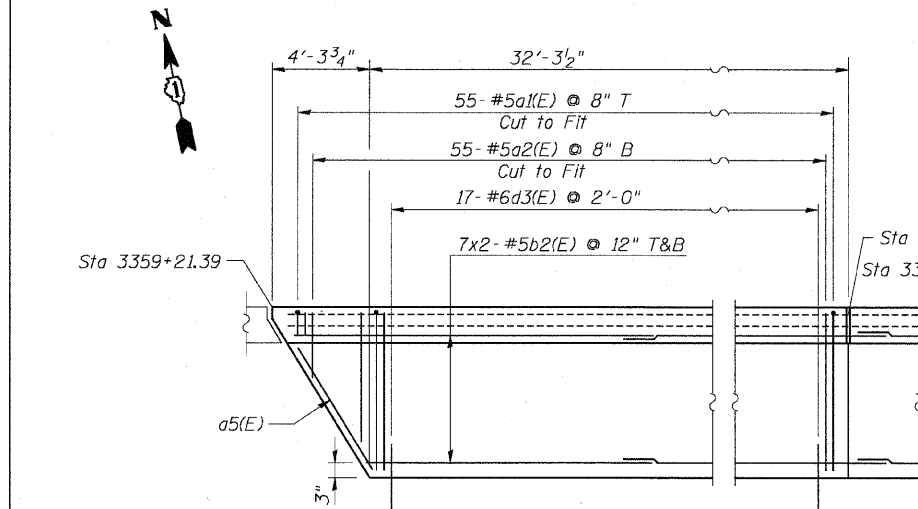
MOMENT SLAB ELEVATION
 Unit 1



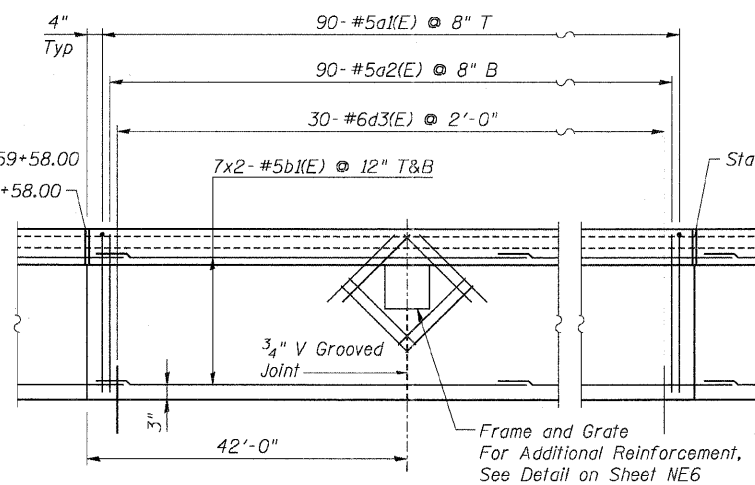
MOMENT SLAB ELEVATION
 Unit 2



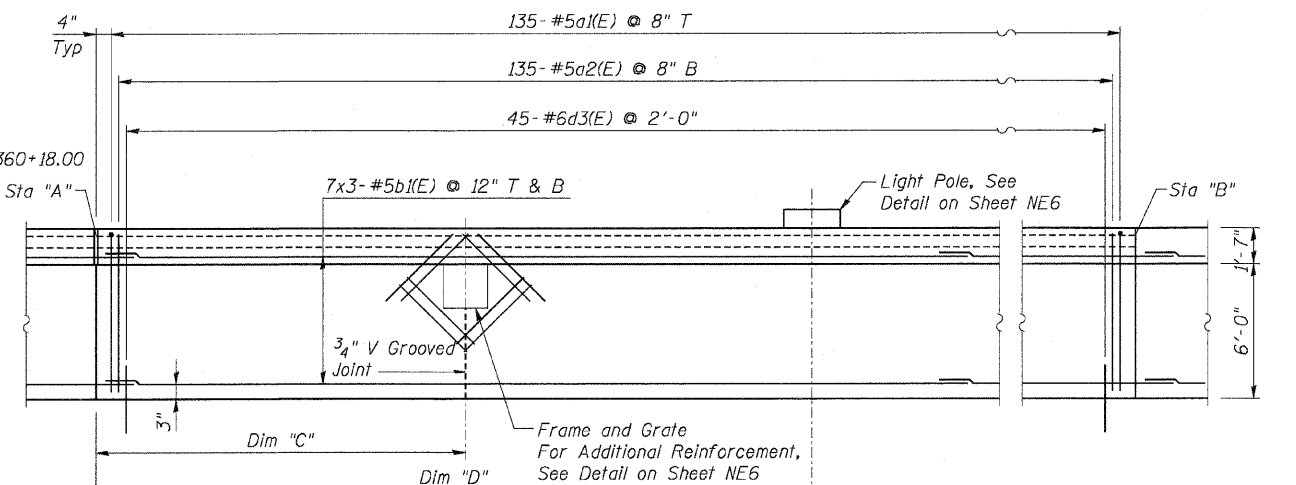
MOMENT SLAB ELEVATION
 Units 3 Thru 9



MOMENT SLAB PLAN
 Unit 1



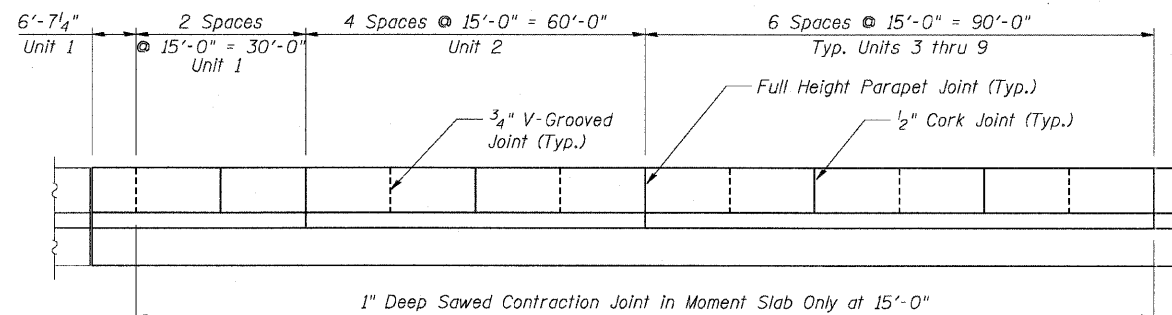
MOMENT SLAB PLAN
 Unit 2



MOMENT SLAB PLAN
 Units 3 Thru 9

NOTES:

- For General Notes, see Sheet NE2.
- For Bar Bending Diagrams, see Sheet NE8.
- For Slab Elevations, see Roadway Plans.
- For Barrier Joint Details, See Sheet NE8.
- Minimum lap lengths for horizontal bars shall be as follows:
 for #5b bars - 3'-8"
 for #5e bars - 3'-3"
 for #8e bars - 6'-9"
- Bars indicated thus 7x2-#5 etc. indicates 7 lines of bars with 2 lengths per line.
- Embedded Junction Box: Cut d1(E) and d2(E) bars to fit. Provide 2 additional d1(E) and d2(E) bars on each side of box alternate between d1(E) and d2(E) bars. Shift horizontal bars to clear box. Provide minimum 1 1/2" clearance to bars. See Sheet E-17 for additional details.
- Provide DX Type Deflection Fittings at all 1/2" cork filled expansion joints in Concrete Barrier Rail. See Sheet E-11 for details.



PARAPET AND MOMENT SLAB JOINT LAYOUT
 See Note 4

Unit	Sta. "A"	Sta. "B"	Dim. "C"	Dim. "D"
3	3360+18.00	3361+08.00		
4	3361+08.00	3361+98.00		17'-0"
5	3361+98.00	3362+88.00	27'-0"	
6	3362+88.00	3363+78.00		77'-0"
7	3363+78.00	3364+68.00	72'-0"	
8	3364+68.00	3365+58.00		
9	3365+58.00	3366+48.00		47'-0"

REVISIONS	
NAME	DATE

F.A.P. ROUTE 307 ILLINOIS ROUTE 64
 (NORTH AVENUE)
 OVER E.J.&E. AND U.P. R.R.
 MOMENT SLAB DETAILS

STRUCTURE NUMBER 022-W028
 FAP 307 SECTION 130 R-2
 DUPAGE COUNTY

STA. 3358+66.25 TO 3366+48.00
 SCALE: None
 DATE: MAY 13, 2011
 DRAWN BY: MRK
 CHECKED BY: MJM

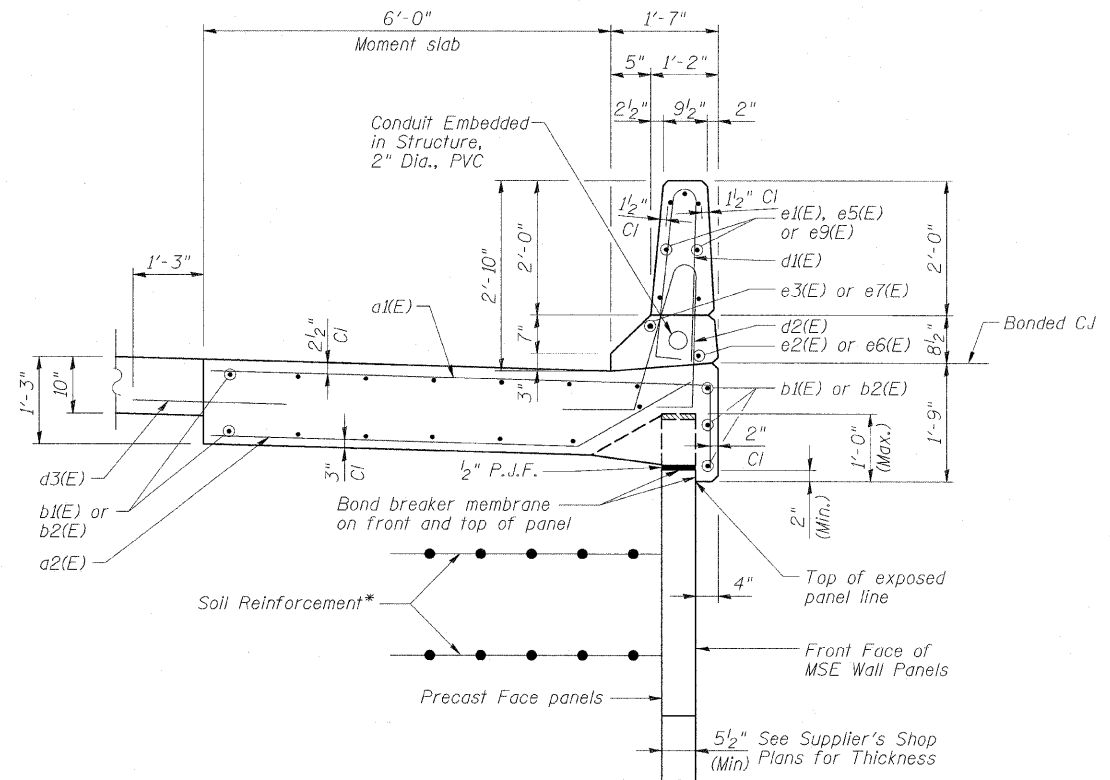
Sheet NE5 of 8



STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

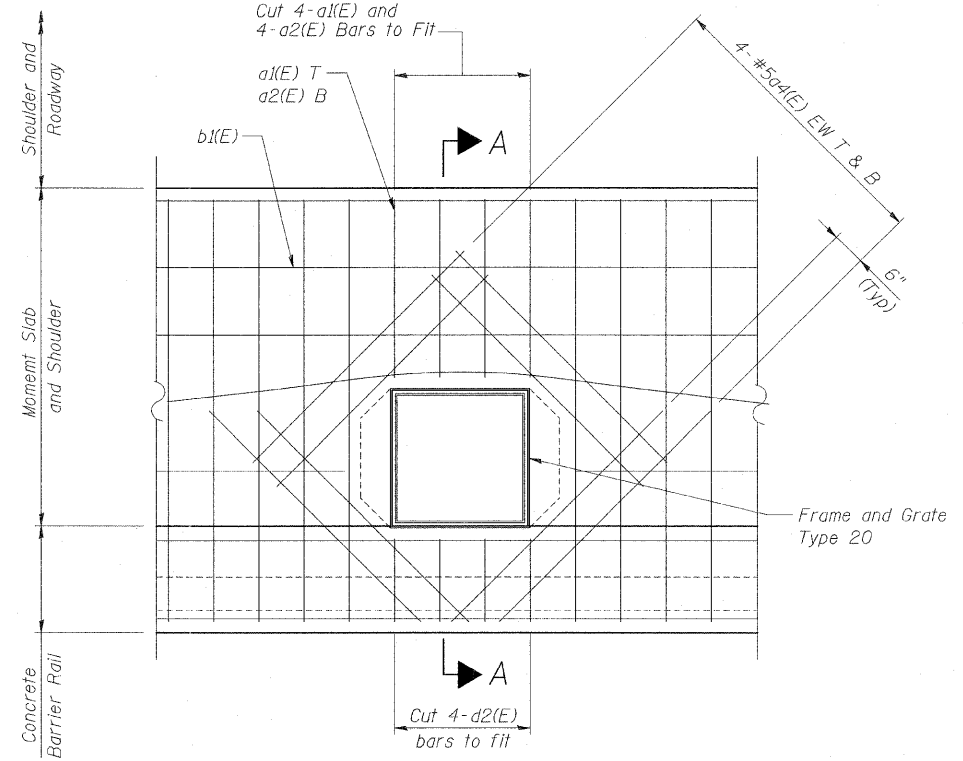
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307	130 R-2	DUPAGE, KANE	647	514
STA. 3356+37.74		TO STA. 3359+24.72		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

62410



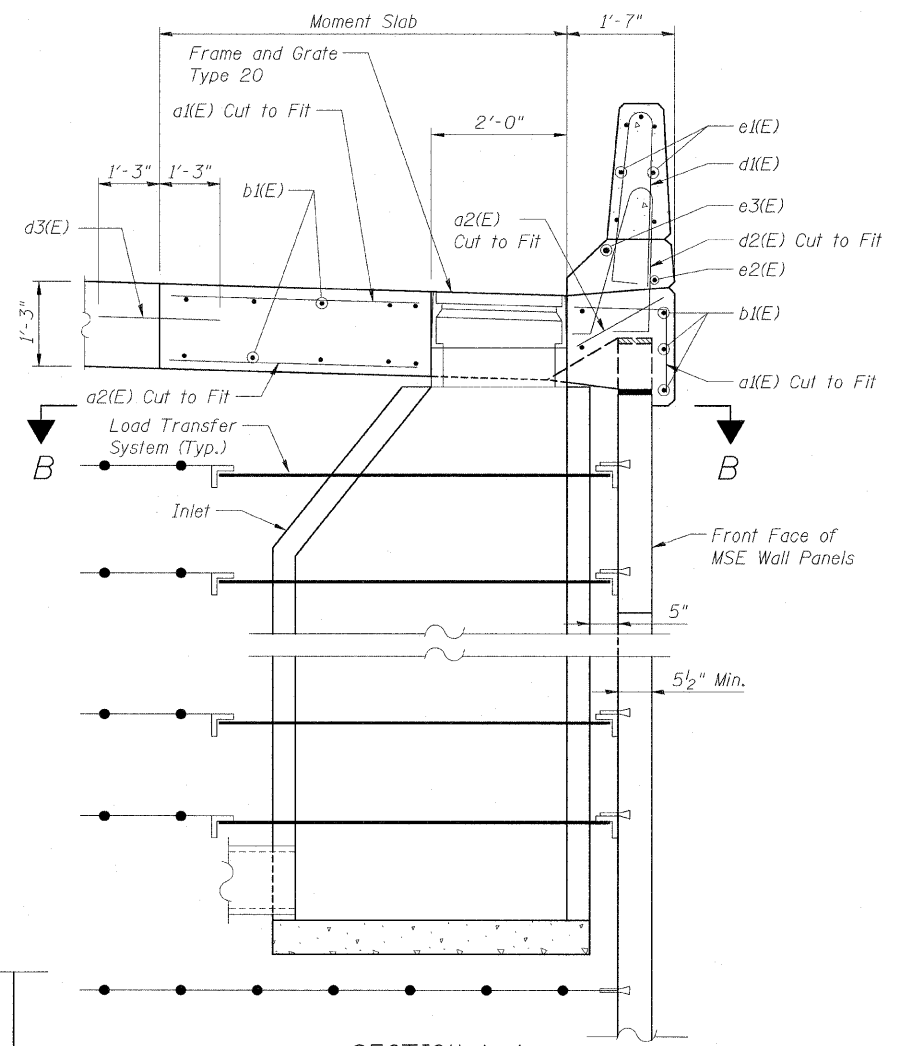
**TYPICAL CROSS SECTION
 THRU MOMENT SLAB & BARRIER**

* The M.S.E. Wall supplier's internal stability design shall account for the anchorage slab's bearing pressure surcharge of 0.24 ksf and horizontal sliding force of 0.5 kips/ft. of wall.



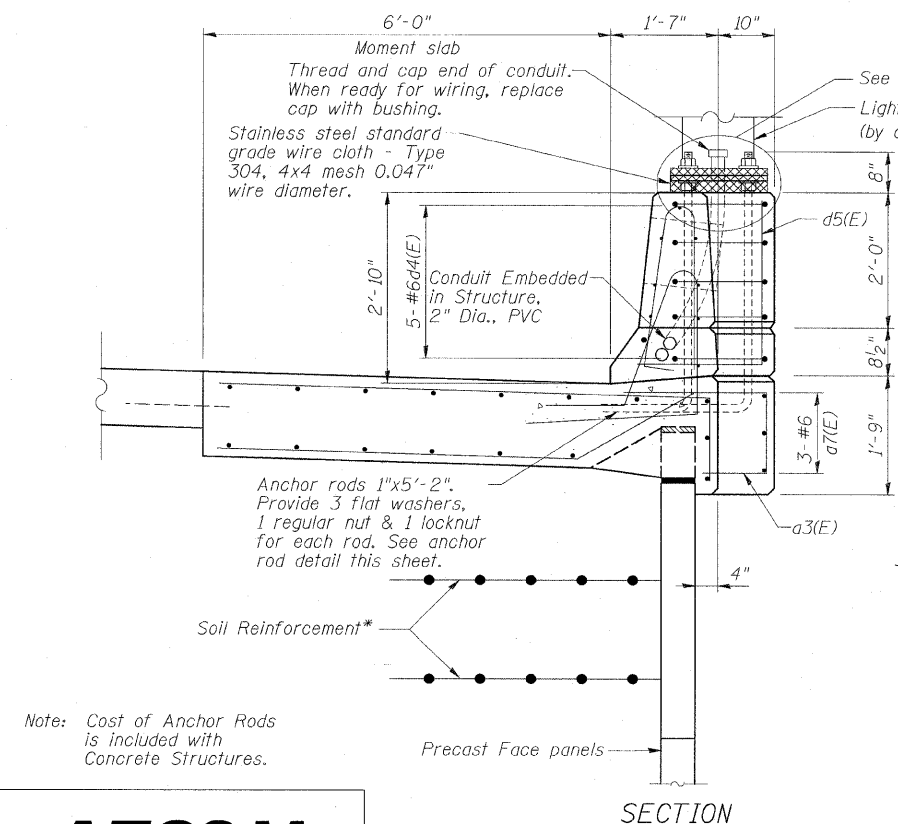
**DETAIL 1-MOMENT SLAB AND
 BARRIER AT CATCH BASIN**

NOTES:
 1. Provide minimum 2" clearance between reinforcing bars and Frame and Grate Type 20.

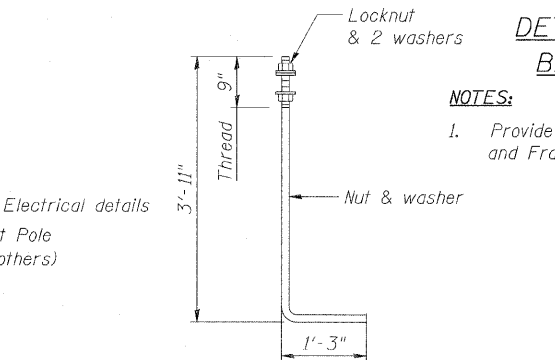


SECTION A-A
 Units 2, 5, 7 and 9

NOTES:
 1. For General Notes, see Sheet NE2.
 2. For Bar Bending Diagrams, see Sheet NE8.

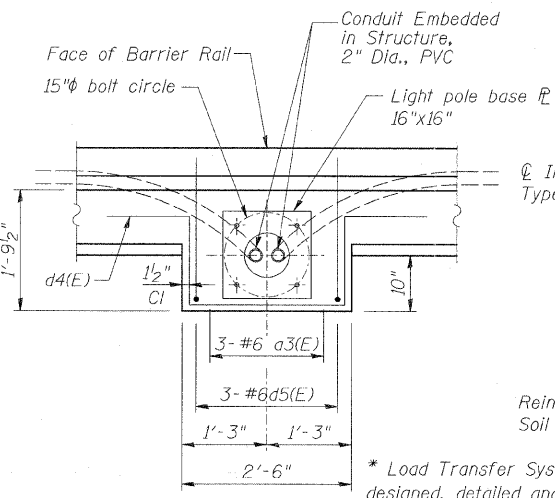


SECTION



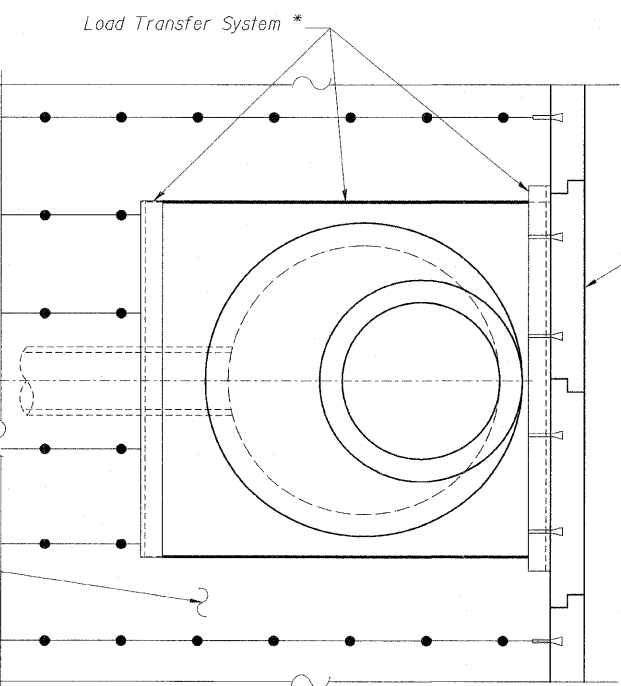
ANCHOR ROD

1" Diameter (ASTM F 1554 Grade 105)
 Included in the cost of Concrete Structures.



PLAN

* Load Transfer System to be designed, detailed and installed by the MSE Wall Manufacturer. Submit plans to the Engineer for review and approval.



SECTION B-B

Note: Cost of Anchor Rods is included with Concrete Structures.



REVISIONS	
NAME	DATE

Sheet NE6 of 8

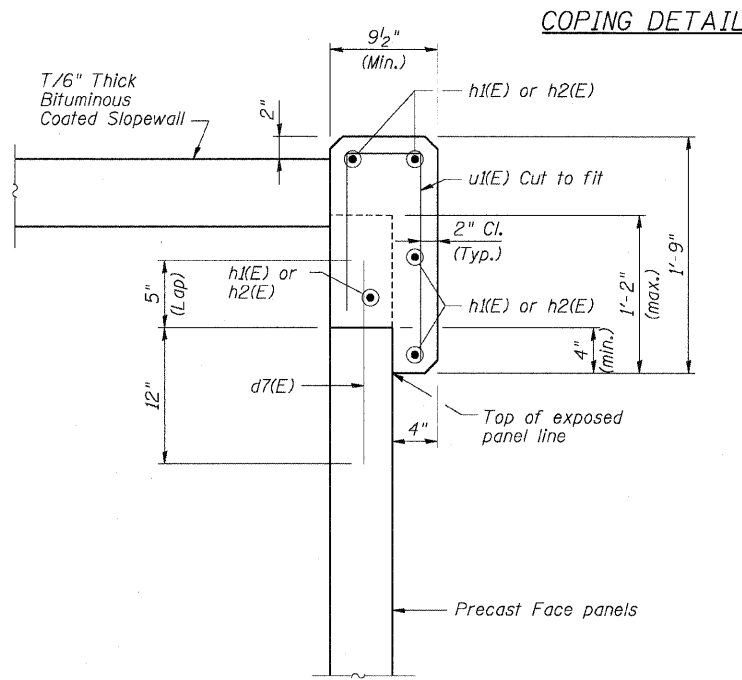
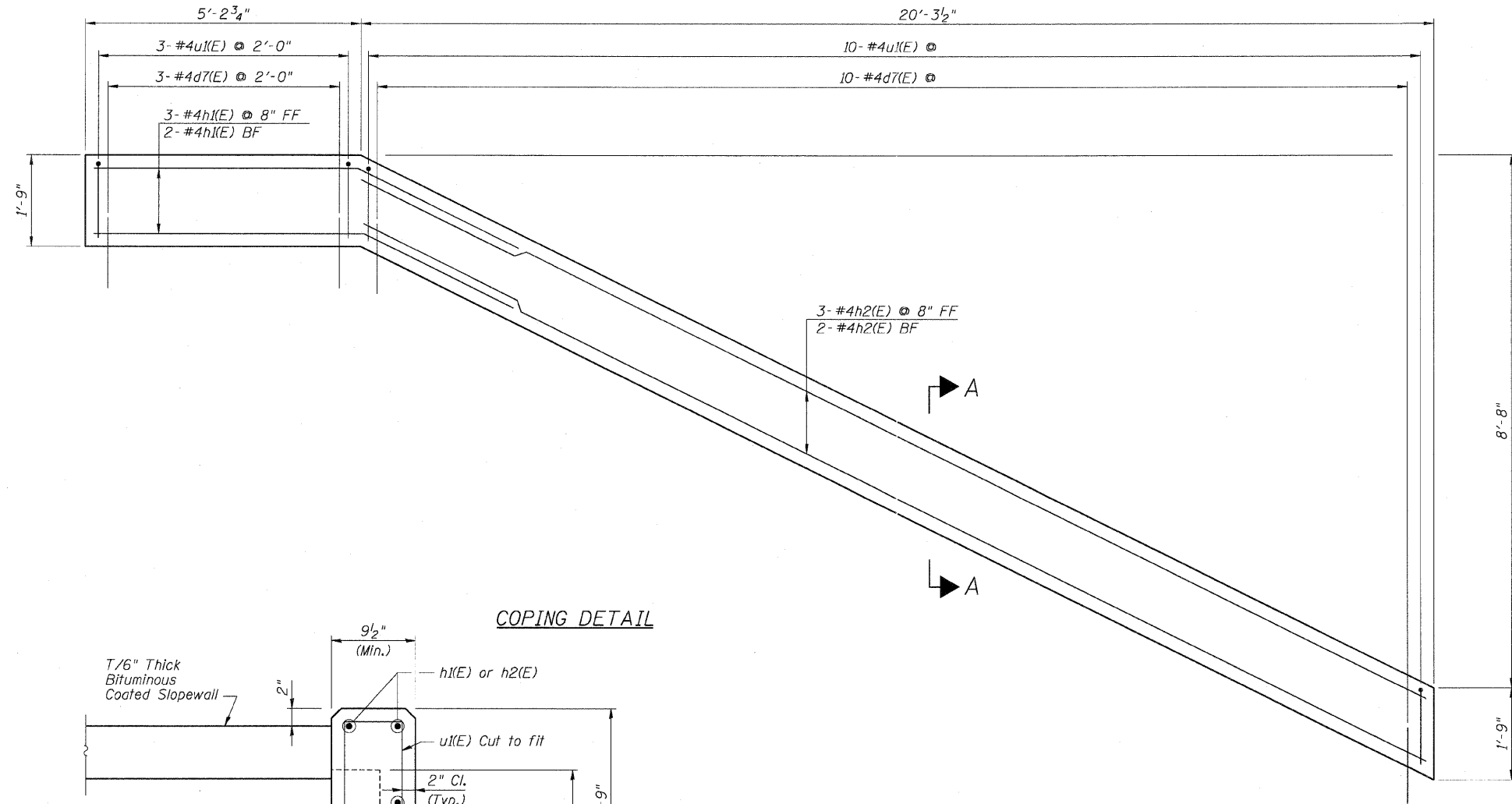
F.A.P. ROUTE 307 ILLINOIS ROUTE 64
 (NORTH AVENUE)
 OVER E.J.&E. AND U.P. R.R.
 MOMENT SLAB DETAILS
 AT DRAINAGE STRUCTURE
 STRUCTURE NUMBER 022-W028
 FAP 307 SECTION 130 R-2
 DUPAGE COUNTY

STA. 3358+66.25 TO 3366+48.00
 SCALE: None DRAWN BY: MRK
 DATE: NOVEMBER 1, 2011 CHECKED BY: MJP

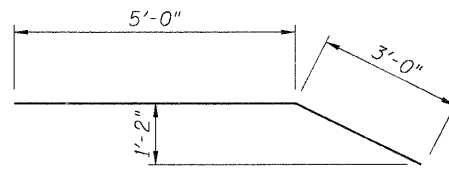
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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STA. 3356+37.74		TO STA. 3359+24.72		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

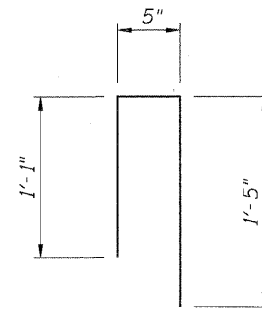
62410



SECTION A-A



BAR h1(E)



BAR u1(E)

NOTES:

1. For General Notes, see Sheet NE2.
2. For Bar Bending Diagrams, see Sheet NEB.
3. Concrete and Reinforcing Steel for Slopewall Coping are included in the cost of Mechanically Stabilized Earth Retaining Wall.

Sheet NE7 of 8

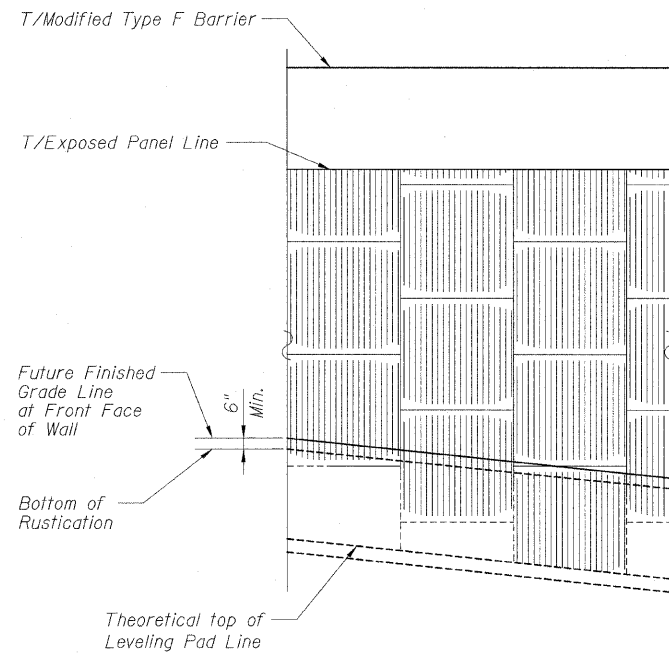
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NAME	DATE	
		STRUCTURE NUMBER 022-W028 FAP 307 SECTION 130 R-2 DUPAGE COUNTY STA. 3358+66.25 TO 3366+48.00 SCALE: None DATE: MAY 13, 2011
		DRAWN BY: MRK
		CHECKED BY: MJP



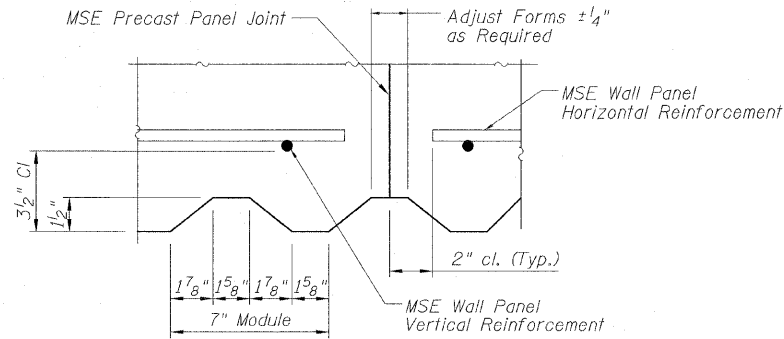
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

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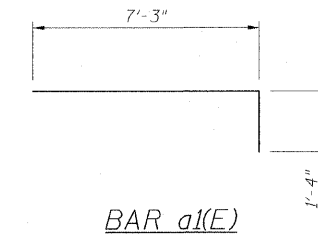
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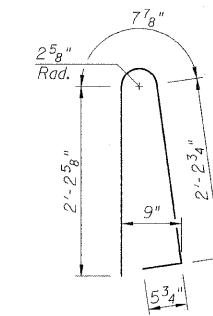
ELEVATION
 TYPICAL ARCHITECTURAL FINISH



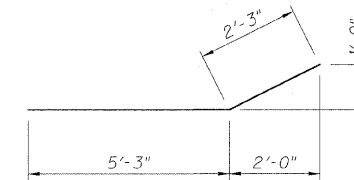
MSE WALL PANEL FLUTE DETAIL
 Full Height of Wall



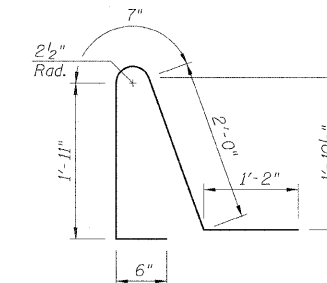
BAR a1(E)



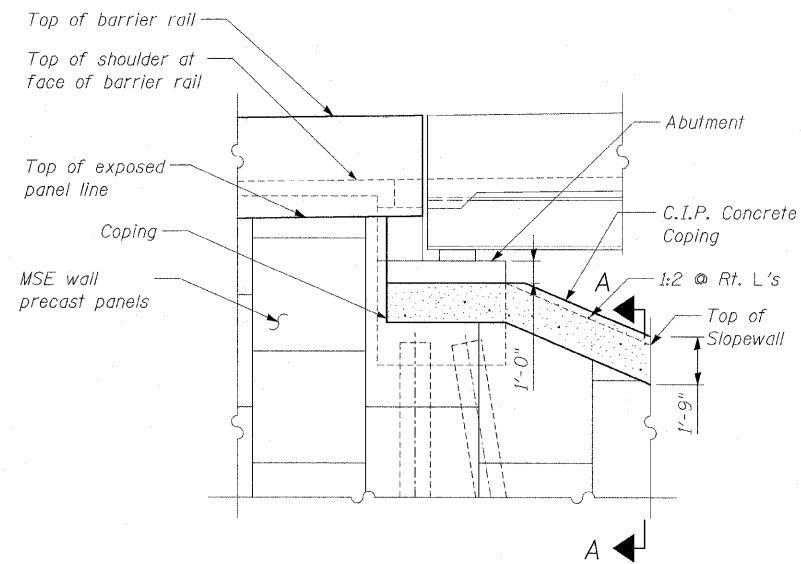
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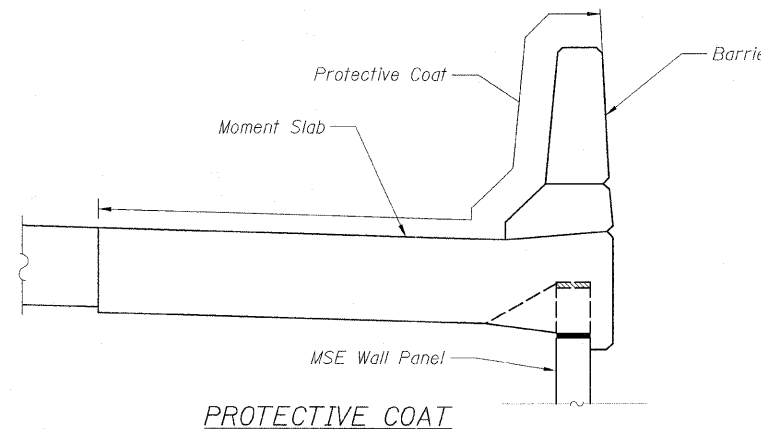
BAR a2(E)



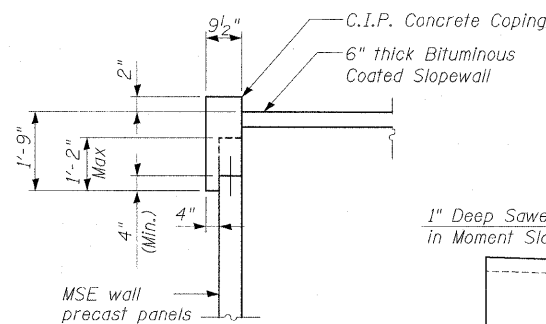
BAR d2(E)



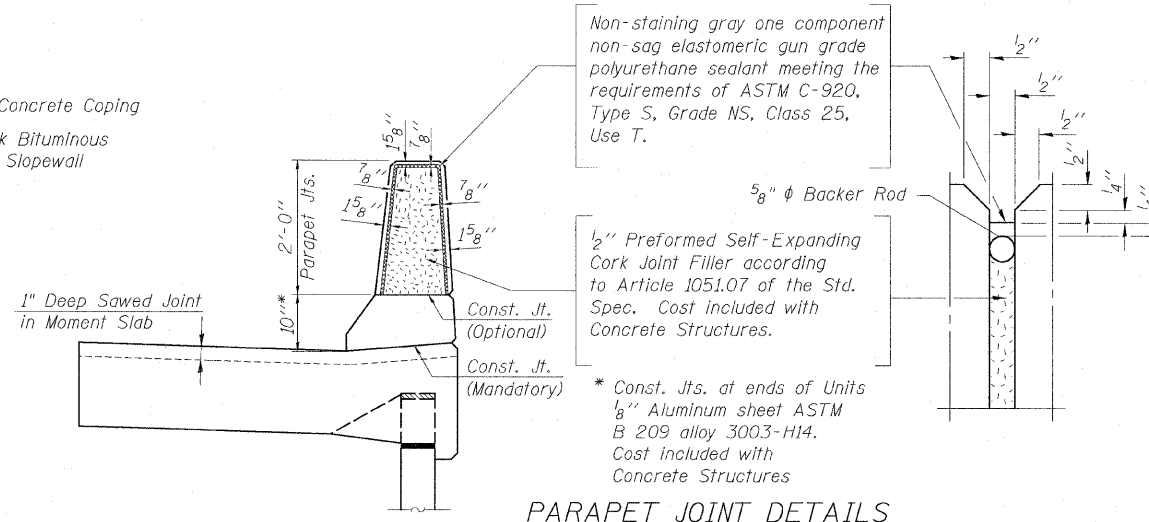
DETAIL 1
 (Looking North)



PROTECTIVE COAT



SECTION A-A

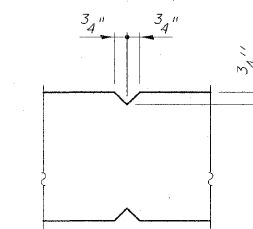


PARAPET JOINT DETAILS

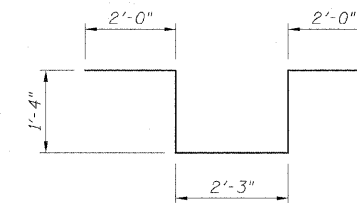
Non-staining gray one component non-sag elastomeric gun grade polyurethane sealant meeting the requirements of ASTM C-920, Type S, Grade NS, Class 25, Use T.

1/2" Preformed Self-Expanding Cork Joint Filler according to Article 1051.07 of the Std. Spec. Cost included with Concrete Structures.

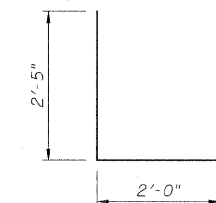
* Const. Jts. at ends of Units 1/8" Aluminum sheet ASTM B 209 alloy 3003-H14. Cost included with Concrete Structures



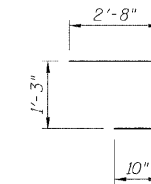
3/4" V-GROOVED JOINT DETAIL



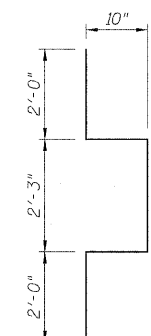
BAR d4(E)



BAR d5(E)



BAR a3(E)



BAR a7(E)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a1(E)	1090	#5	8'-7"	
a2(E)	1090	#5	7'-6"	
a3(E)	9	#6	4'-9"	
a4(E)	64	#5	4'-8"	
a5(E)	2	#5	6'-6"	
a7(E)	9	#6	7'-11"	
b1(E)	391	#5	33'-8"	
b2(E)	34	#5	21'-8"	
d1(E)	1094	#5	5'-7"	
d2(E)	1094	#5	6'-2"	
d3(E)	362	#6	2'-6"	
d4(E)	15	#6	8'-11"	
d5(E)	9	#6	4'-5"	
e1(E)	161	#4	29'-6"	
e2(E)	23	#4	32'-1"	
e3(E)	23	#8	39'-5"	
e5(E)	7	#4	21'-1"	
e6(E)	1	#4	36'-1"	
e7(E)	1	#8	36'-1"	
e9(E)	7	#4	14'-6"	

Item	Unit	Quantity
Reinforcement Bars, Epoxy Coated	Pound	54,680

NOTES:
 1. For General Notes, see Sheet NE2.

REVISIONS	
NAME	DATE

Sheet NE8 of 8

F.A.P. ROUTE 307 ILLINOIS ROUTE 64 (NORTH AVENUE) OVER E.J.&E. AND U.P. R.R. REINFORCEMENT DETAILS AND BILL OF MATERIAL STRUCTURE NUMBER 022-W028 FAP 307 SECTION 130 R-2 DUPAGE COUNTY STA. 3349+70.04 TO 3356+08.49 SCALE: None DRAWN BY: MRK DATE: NOVEMBER 1, 2011 CHECKED BY: MJP



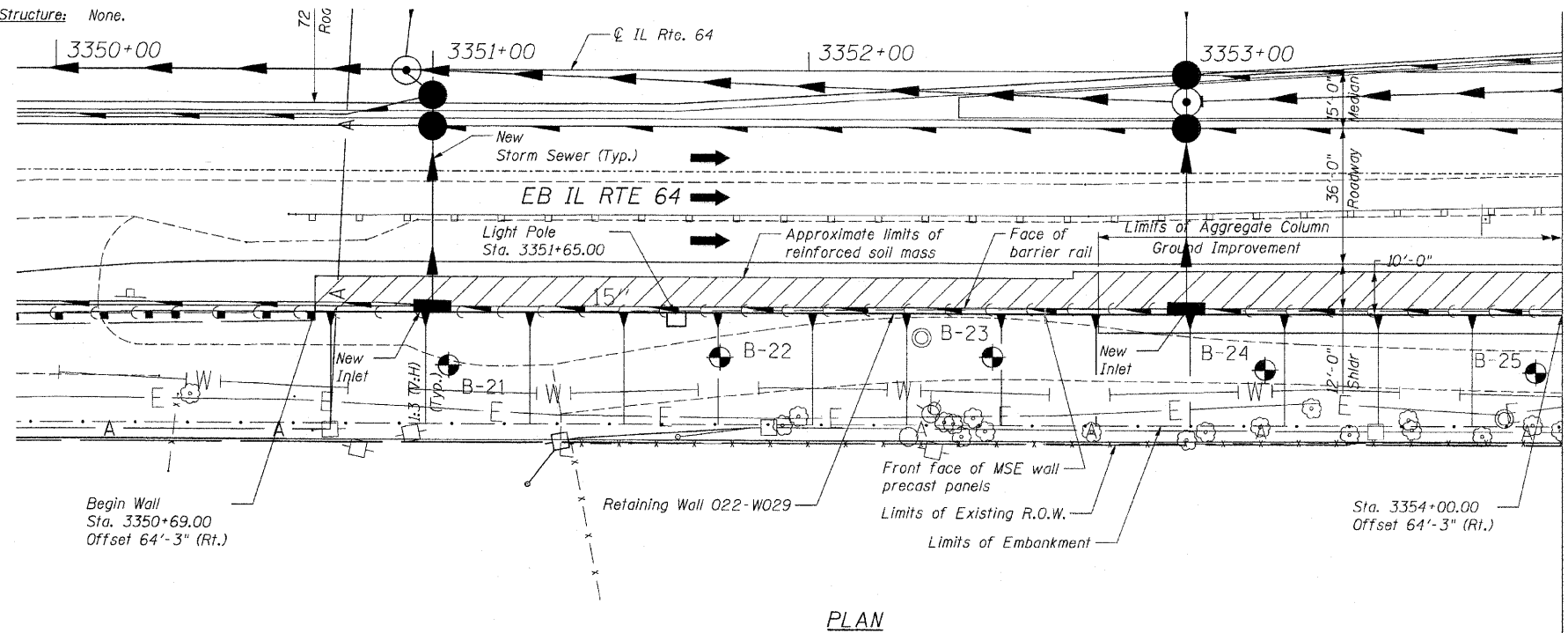
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	517
STA. 3356+37.74		TO STA. 3359+24.72		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

62410

Benchmark: "C" Cut in SW Corner Concrete Base of Traffic Signal Box in NW Corner IL Rte. 64 & Powis Rd. Elev. 758.46

Existing Structure: None.



PLAN

Match Line Sta. 3354+00 See Sheet SW2

DESIGN SPECIFICATIONS

AASHTO Standard Specifications for Highway Bridges, 17th Edition-2002

DESIGN STRESSES

FIELD UNITS

f'c = 3,500 psi
 fy = 60,000 psi (Reinforcement)

PRECAST UNITS

f'c = 4,500 psi (Precast Face Panels)

INDEX OF SHEETS:

- SW1 General Plan
- SW2 General Plan
- SW3 Typical Sections
- SW4 Typical Sections
- SW5 Moment Slab Details
- SW6 Moment Slab Details at Drainage Structure
- SW7 Coping Details
- SW8 Reinforcement Details and Bill of Material

NOTES:

1. For General Notes see Sheet SW2.
2. The face of abutment station is measured to an offset equal to 63'-9" (The assumed back face of the MSE wall panels).
3. The vertical scale of the Elevation view has been exaggerated to show detail.

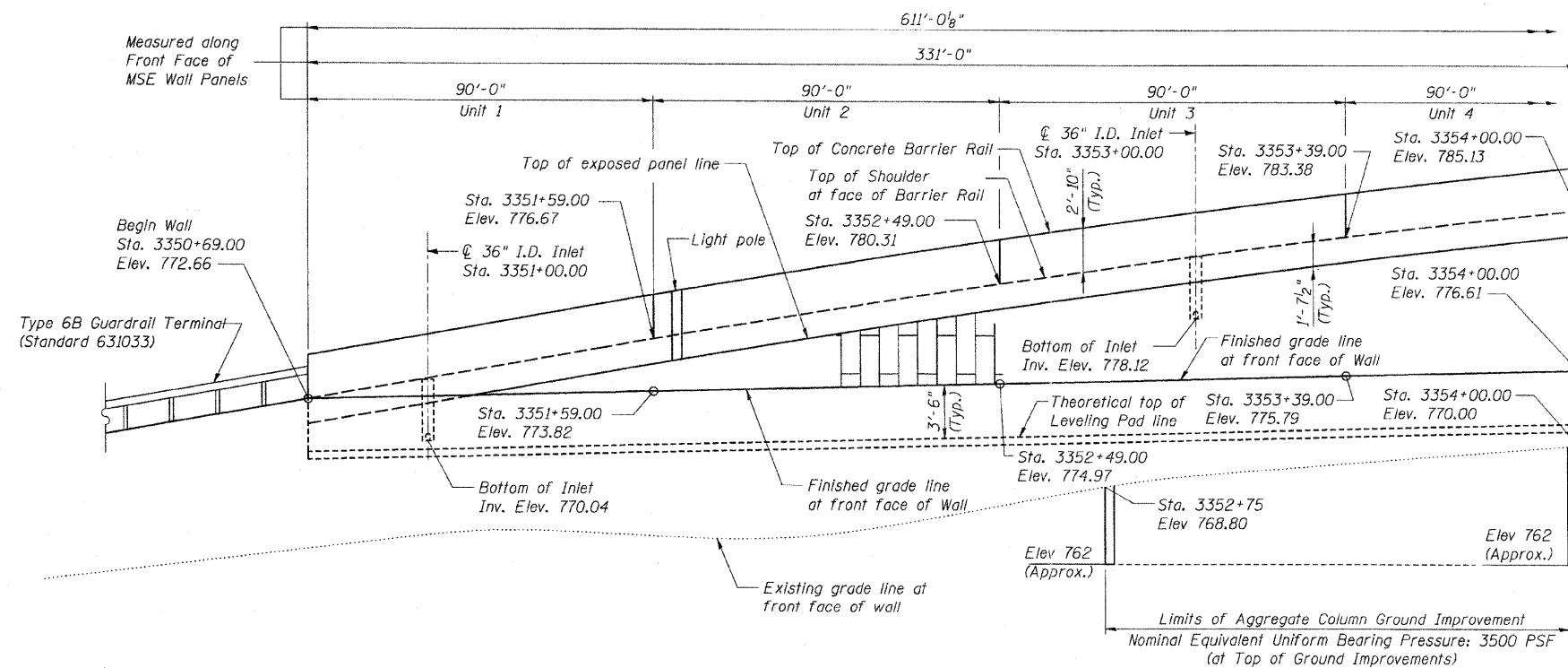
APPROVED
 FOR STRUCTURAL ADEQUACY ONLY
Matthew J. Pregmon
 ENGINEER OF BRIDGES AND STRUCTURES



M. J. Pregmon
 EXPIRATION DATE: 11-30-2012

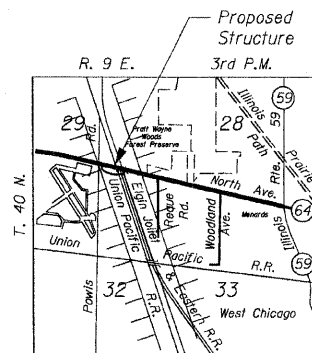
BILL OF MATERIAL

Item	Unit	Quantity
Structure Excavation	Cu Yd	47
Concrete Structures	Cu Yd	263.0
Protective Coat	Sq Yd	626
Reinforcement Bars, Epoxy Coated	Pound	42,720
Mechanically Stabilized Earth Retaining Wall	Sq Ft	5,201
Aggregate Column	L. Sum	0.25
Ground Improvement		
Conduit Embedded in Structure, 2" Dia., PVC	Foot	591



ELEVATION

(Looking North at front face of Wall)



LOCATION SKETCH

Not to Scale Sheet SW1 of 8

REVISIONS	
NAME	DATE

F.A.P. ROUTE 307 ILLINOIS ROUTE 64 (NORTH AVENUE) OVER E.J.&E. AND U.P. R.R. GENERAL PLAN

STRUCTURE NUMBER 022-W029
 FAP 307 SECTION 130 R-2
 DUPAGE COUNTY
 STA. 3350+69.00 TO 3356+80.01

SCALE: DRAWN BY: MRK
 DATE: NOVEMBER 1, 2011 CHECKED BY: MJP



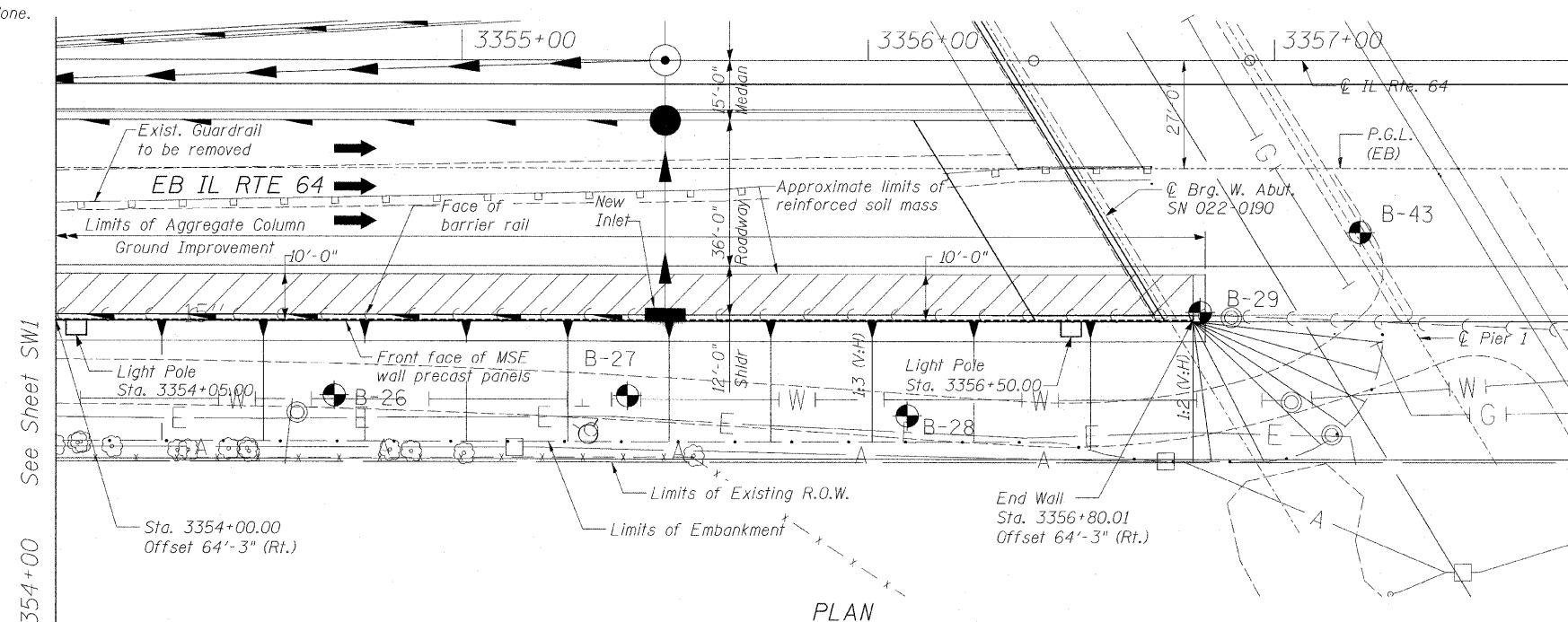
Benchmark: "I" Cut in SW Corner Concrete Base
 of Traffic Signal Box in NW Corner IL Rte. 64
 & Powis Rd. Elev. 758.46

Existing Structure: None.

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	518
STA. 3356+37.74		TO STA. 3359+24.72		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

62410



ABBREVIATIONS:

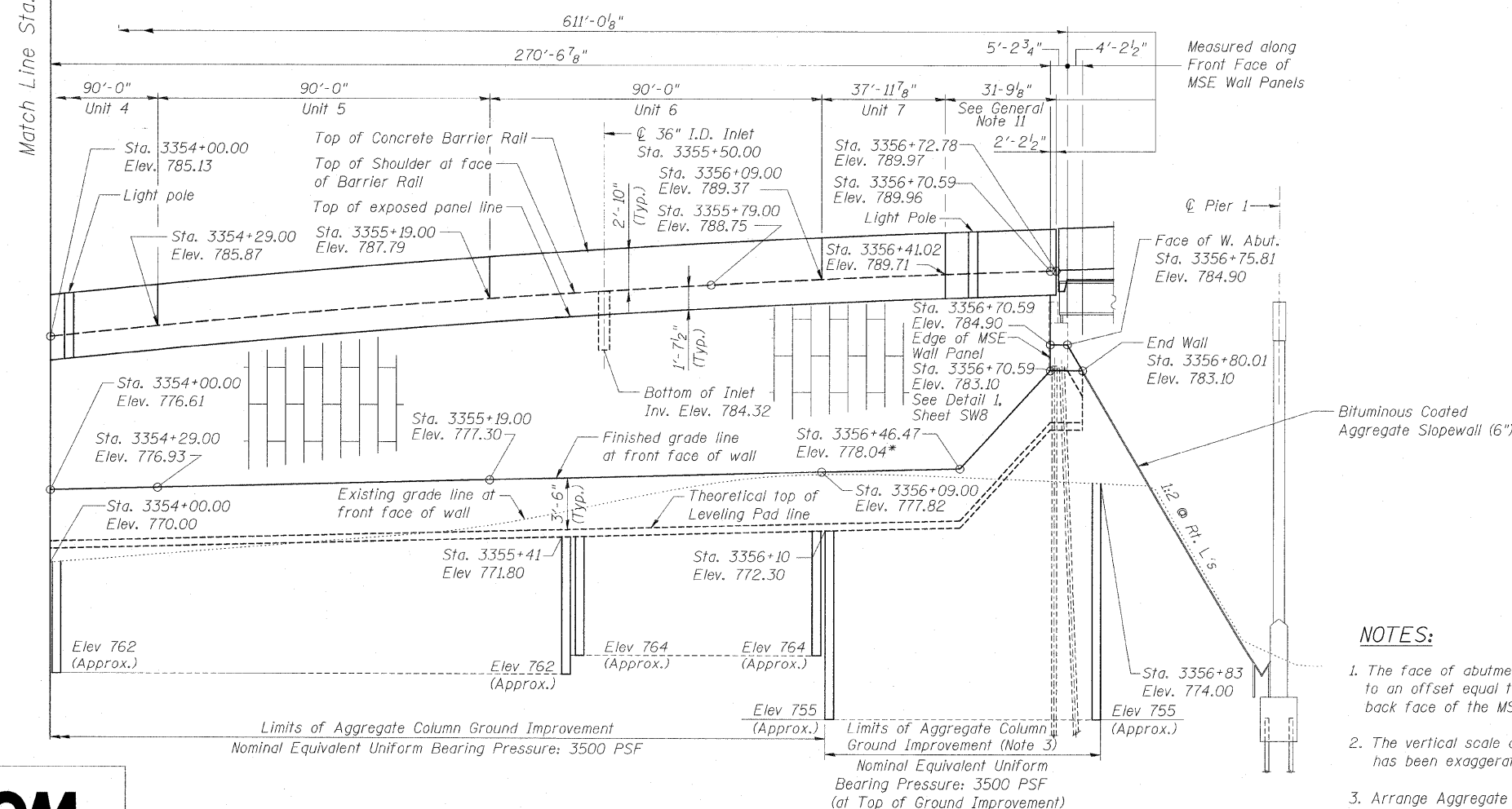
- B Bottom
- BF Back Face
- CJ Construction Joint
- EF Each Face
- FF Front Face
- Lt Left
- PJF Preformed Joint Filler
- PJS Preformed Joint Seal
- Shld Shoulder
- Sta Station
- T Top

LEGEND:

- Reinforced Soil Mass
- Removal of Unsuitable Material
- MSE Wall Panels
- Soil Boring

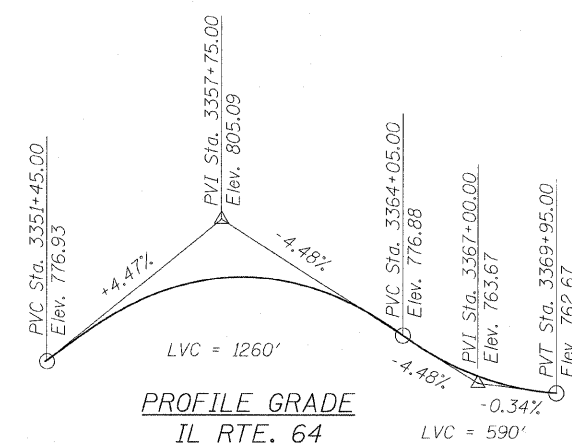
GENERAL NOTES:

1. Stations and offsets are measured from @ IL Rte. 64 to the front face of the MSE wall panels.
2. Existing utilities in conflict with the retaining wall shall be abandoned or relocated according to directions given in the Roadway Plans.
3. All construction joints shall be bonded.
4. All exposed concrete edges shall have a 3/4" by 45° chamfer except where shown otherwise. Chamfer on vertical edges shall be continued a minimum of 1 foot below the finished ground line.
5. A protective coat shall be applied according to Section 503 of the Standard Specifications to the top and inside surfaces of the Barrier and the top of the Moment Slab.
6. Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60.
7. Reinforcement bars designated "E" shall be epoxy coated.
8. Coarse aggregate for concrete in Barrier shall meet the requirements of Section 1004.01(b) of the Standard Specifications, Type A.
9. Slipforming of Barrier is prohibited.
10. For Boring Logs, see Sheets SB1 and SB2.
11. For Coping and Barrier Details along the Approach Slab, see Bridge 022-0190 Plans.
12. Any embankment fill that is placed to support the bearing of the wall shall have a minimum unconfined compressive strength equal to 1.5 TSF or a minimum phi angle of 30°.
13. Standard symbols, abbreviations and patterns for existing features per Std. 000001-01 through 000001-04.
14. Temporary MSE Wall is located From Station 3348+00 to Station 3354+50. For Temporary MSE Wall Details, See Sheet TS1.



NOTES:

1. The face of abutment station is measured to an offset equal to 63'-9" (The assumed back face of the MSE wall panels)
2. The vertical scale of the Elevation view has been exaggerated to show detail.
3. Arrange Aggregate Columns to avoid conflicts with abutment piles.



Sheet SW2 of 8

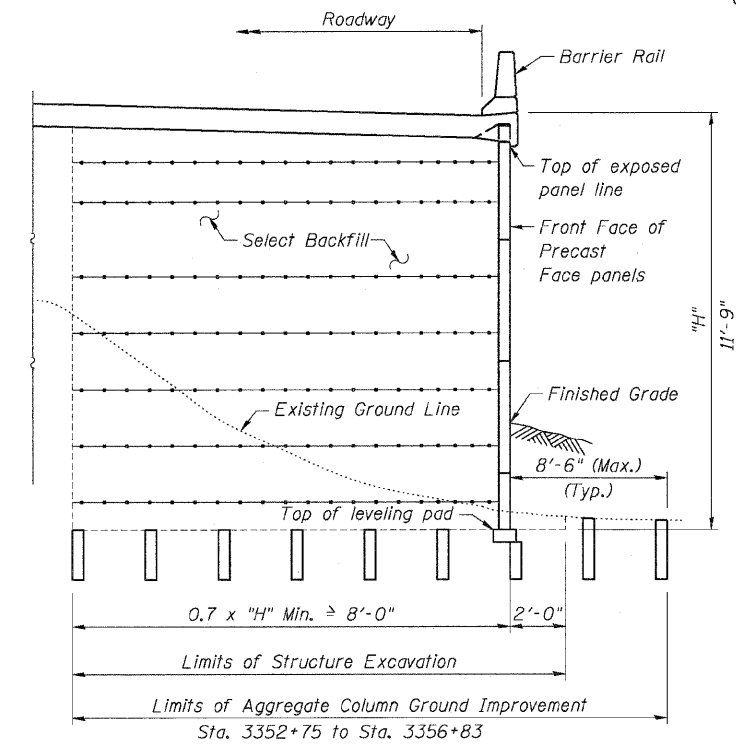
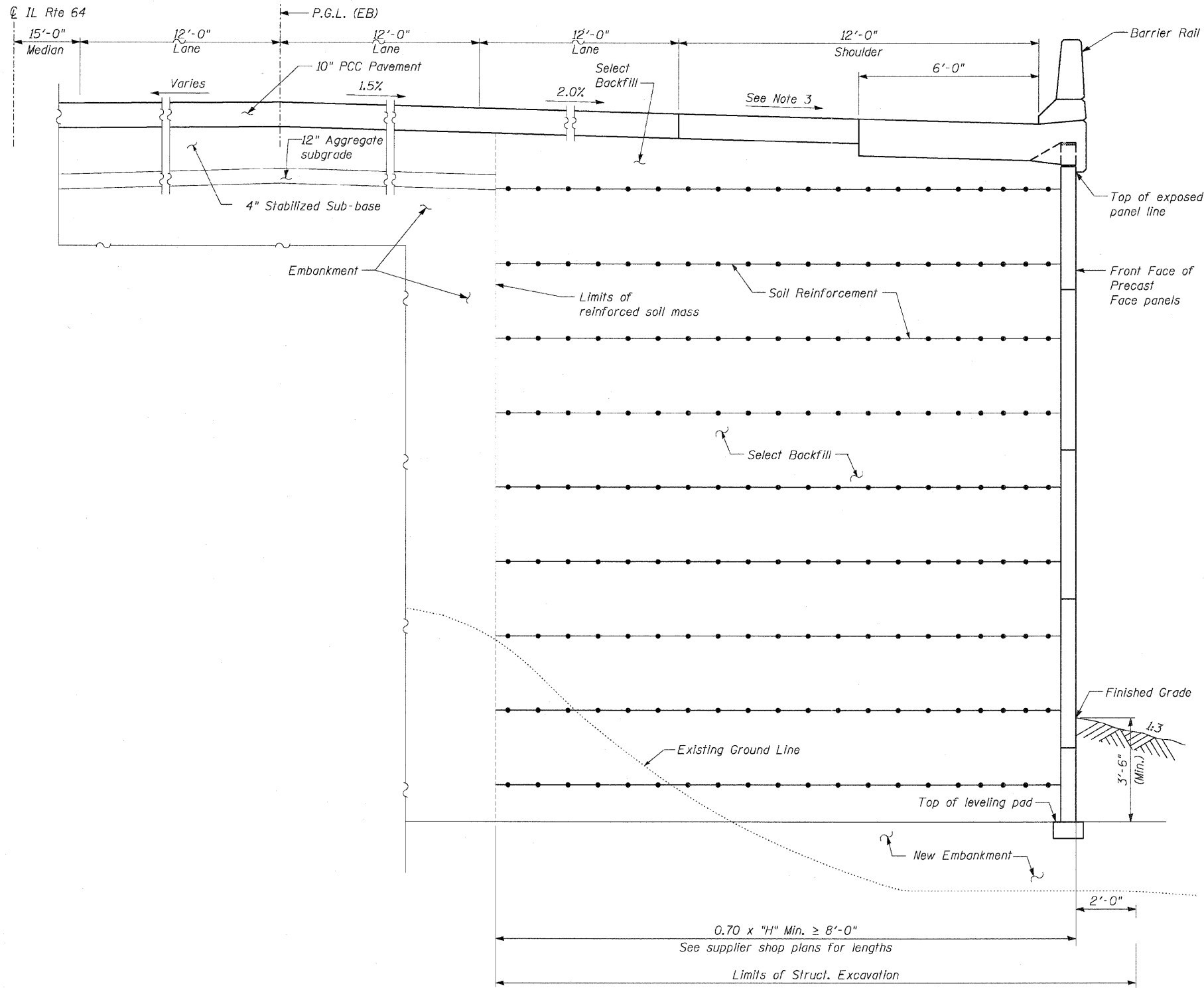
REVISIONS		F.A.P. ROUTE 307 ILLINOIS ROUTE 64 (NORTH AVENUE) OVER E.J.&E. AND U.P. R.R. GENERAL PLAN STRUCTURE NUMBER 022-W029 FAP 307 SECTION 130 R-2 DUPAGE COUNTY STA. 3350+69.00 TO 3356+80.01
NAME	DATE	
		SCALE: DRAWN BY: MRK
		DATE: NOVEMBER 1, 2011 CHECKED BY: MJP



STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	519
STA. 3356+37.74		TO STA. 3359+24.72		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

62410



SECTION

NOTES:

- For General Notes, see Sheet SW2.
- For Moment Slab Details, see Sheets SW5 and SW6.
- Shoulder Slopes: Sta. 3350+69.00 to Sta. 3355+79.00: 4.0%
 Sta. 3355+79.00 to Sta. 3356+41.02: Varies 4.0% to 2.0%

AGGREGATE COLUMN GROUND IMPROVEMENT:

- Aggregate Column Ground Improvement shall be designed and installed by the Contractor in accordance with the Special Provision for Aggregate Column Ground Improvement.
- For limits of Aggregate Column Ground Improvement, see Sheets SW1 and SW2.
- The Top of Exposed Panel Elevations shown on the Elevation View are final elevations allowing for total settlement of 4 inches and settlement after completing wall or pavement construction of 1 inch. The MSE Wall vendor shall provide additional panel heights to allow for the settlement of the leveling pad during installation. The cost of any adjustment to precast face panels that are needed to compensate for settlement shall be included with Aggregate Column Ground Improvement.
- Vibrator compacted aggregate columns shall be constructed by the bottom feed method. Top feed will only be allowed if the columns are pre-bored the entire length and the Engineer determines that the open columns do not collapse during backfilling and vibration.

TYPICAL SECTION

Sta. 3350+69.00 to Sta. 3356+41.02
 (Looking Upstation)

Ground Improvement Performance Requirements:

- Post-construction settlement of MSE wall shall not exceed 1.0 inch.
- Minimum factor of safety for global stability shall be 1.5.
- Minimum factor of safety for Nominal Equivalent Uniform Bearing Pressure shall be 2.5.
- Total settlement shall not exceed 4.0 inches.

REVISIONS		F.A.P. ROUTE 307 ILLINOIS ROUTE 64 (NORTH AVENUE) OVER E.J.&E. AND U.P. R.R. TYPICAL SECTIONS
NAME	DATE	
		STRUCTURE NUMBER 022-W029 FAP 307 SECTION 130 R-2 DUPAGE COUNTY STA. 3350+69.00 TO 3356+80.01 SCALE: None DATE: MAY 13, 2011

Sheet SW3 of 8

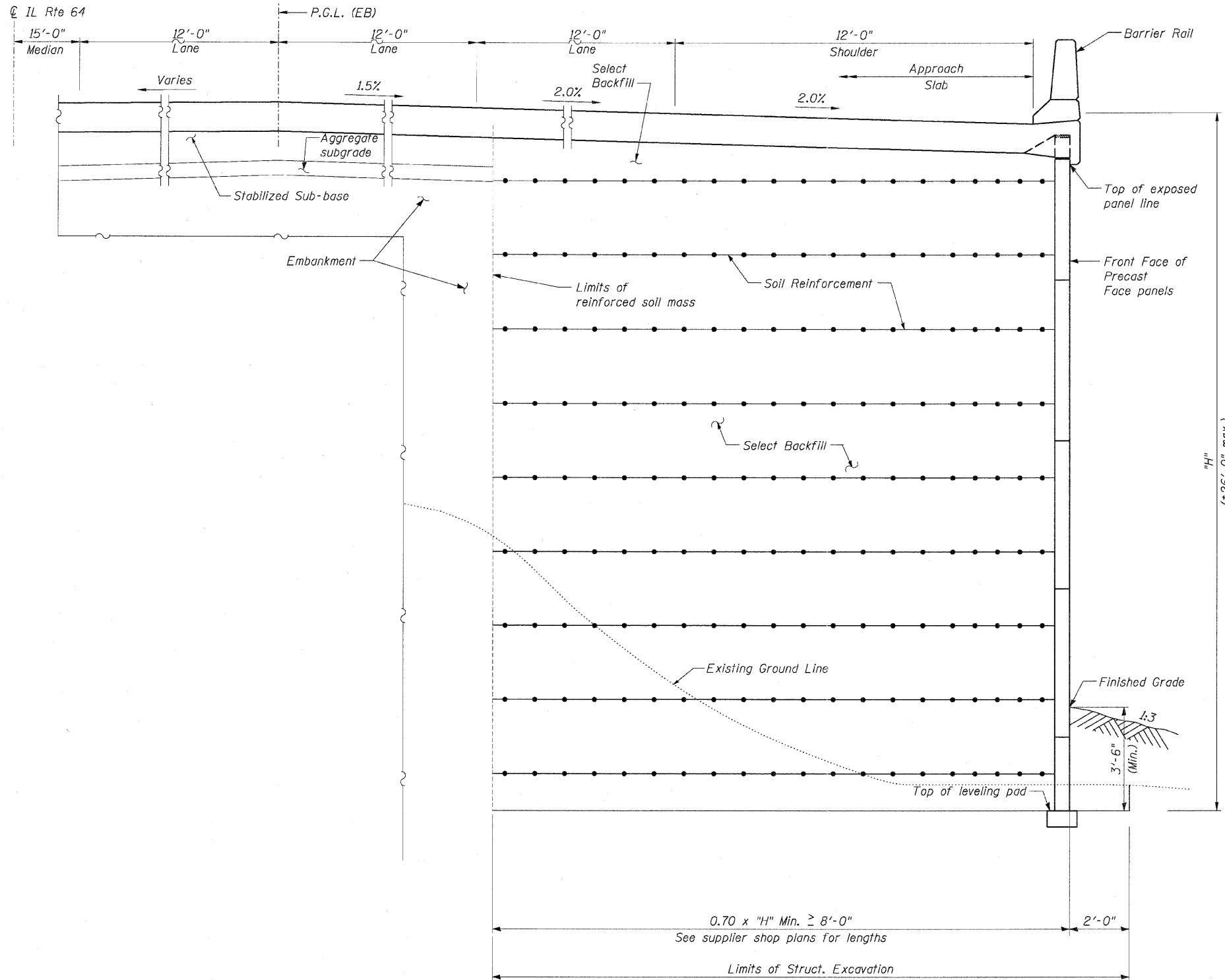


DRAWN BY: MRK
 CHECKED BY: MJP

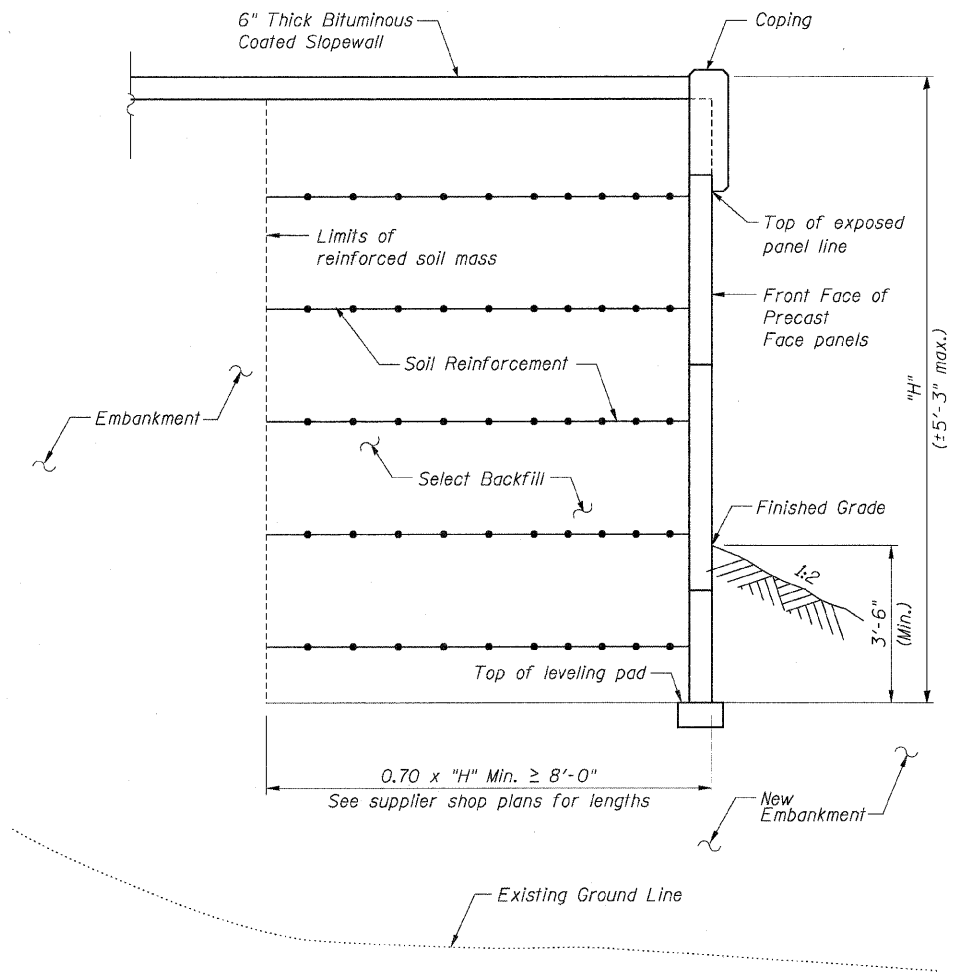
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	520
STA. 3356+37.74		TO STA. 3359+24.72		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

62410



TYPICAL SECTION
 Sta. 3356+41.02 to Sta. 3356+70.59
 (Looking Upstation)



TYPICAL SECTION
 Sta. 3356+70.57 to Sta. 3356+80.01
 (Looking Upstation)

NOTES:

1. For General Notes, see Sheet SW2.
2. For Coping Details, see Sheet SW7.
3. For Approach Slab Details, see Bridge 022-0190 plans.

Sheet SW4 of 8

REVISIONS		NAME	DATE
NO.	DESCRIPTION		

F.A.P. ROUTE 307 ILLINOIS ROUTE 64
 (NORTH AVENUE)
 OVER E.J.&E. AND U.P. R.R.
 TYPICAL SECTIONS

STRUCTURE NUMBER 022-W029
 FAP 307 SECTION 130 R-2
 DUPAGE COUNTY
 STA. 3350+69.00 TO 3356+80.01

SCALE: None
 DATE: MAY 13, 2011

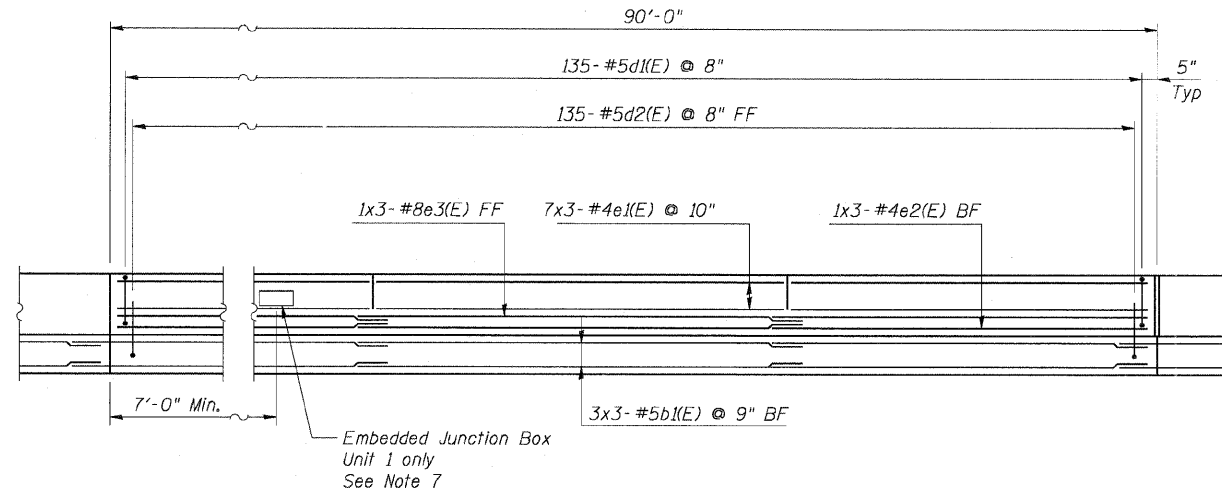
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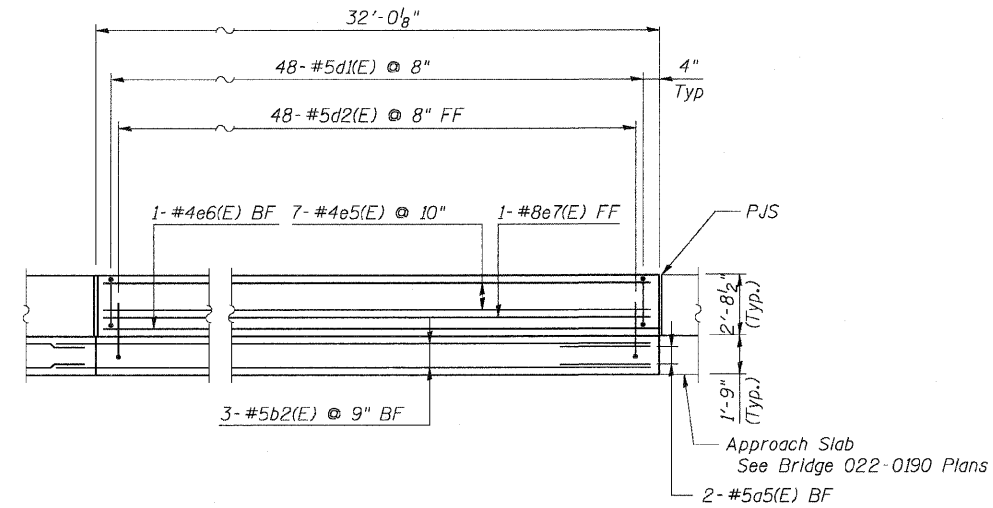
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	521
STA. 3356+37.74		TO STA. 3359+24.72		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

62410

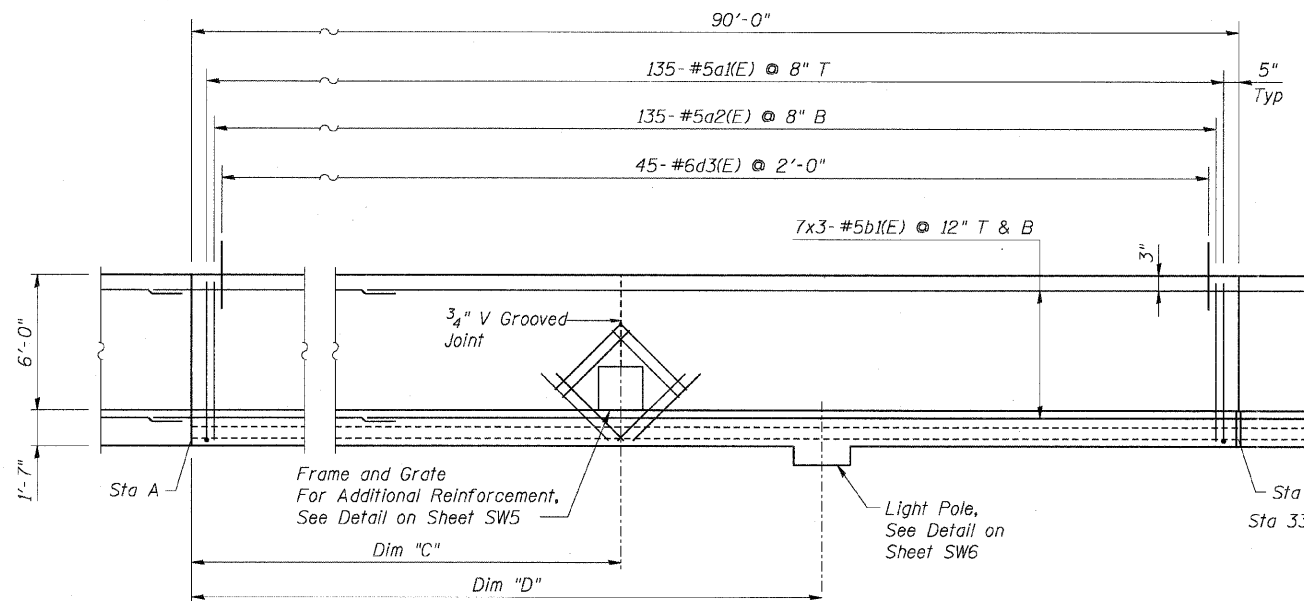


MOMENT SLAB ELEVATION
 Units 1 Thru 6

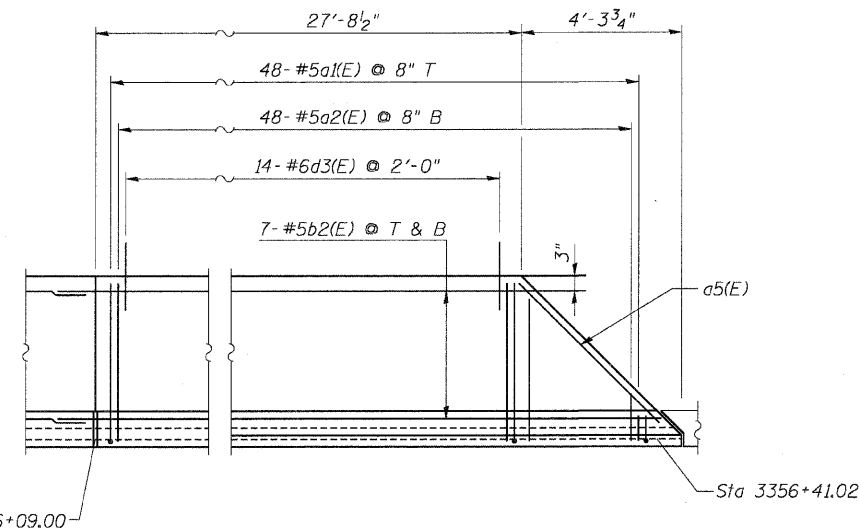


MOMENT SLAB ELEVATION
 Unit 7

Approach Slab
 See Bridge 022-0190 Plans



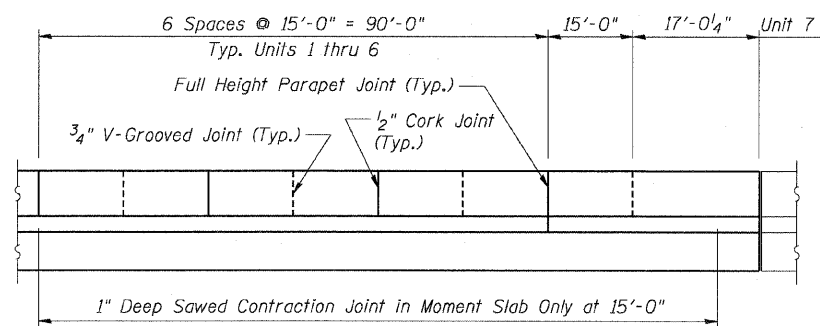
MOMENT SLAB PLAN
 Units 1 Thru 6



MOMENT SLAB PLAN
 Unit 7

NOTES:

- For General Notes, see Sheet SW2.
- For Bar Bending Diagrams, see Sheet SWB.
- For Slab Elevations, see Roadway Plans.
- For Barrier Joint Details, See Sheet SWB.
- Minimum lap lengths for horizontal bars shall be as follows:
 for #5b bars - 3'-8"
 for #5e bars - 3'-3"
 for #8e bars - 6'-9"
- Bars Indicated thus 7x2-#5 etc. Indicates 7 lines of bars with 2 lengths per line.
- Embedded Junction Box; Cut d1(E) and d2(E) bars to fit. Provide 2 additional d1(E) and d2(E) bars on each side of box alternate between d1(E) and d2(E) bars. Shift horizontal bars to clear box. Provide minimum 1/2" clearance to bars. See Sheet E-17 for additional details.
- Provide DX Type Deflection Fittings at all 1/2" cork filled expansion joints in Concrete Barrier Rail. See Sheet E-11 for details.



PARAPET AND MOMENT SLAB JOINT LAYOUT
 See Note 4

Unit	Sta. "A"	Sta. "B"	Dim. "C"	Dim. "D"
1	3350+69.00	3351+59.00	31'-0"	
2	3351+59.00	3352+49.00		6'-0"
3	3352+49.00	3353+39.00	51'-0"	
4	3353+39.00	3354+29.00		66'-0"
5	3354+29.00	3355+19.00		
6	3355+19.00	3356+09.00	31'-0"	

REVISIONS	
NAME	DATE

F.A.P. ROUTE 307 ILLINOIS ROUTE 64
 (NORTH AVENUE)
 OVER E.J.&E. AND U.P. R.R.
 MOMENT SLAB DETAILS

STRUCTURE NUMBER 022-W029
 FAP 307 SECTION 130 R-2
 DUPAGE COUNTY

STA. 3350+69.00 TO 3356+80.01

SCALE: None DRAWN BY: MRK
 DATE: MAY 13, 2011 CHECKED BY: MJP

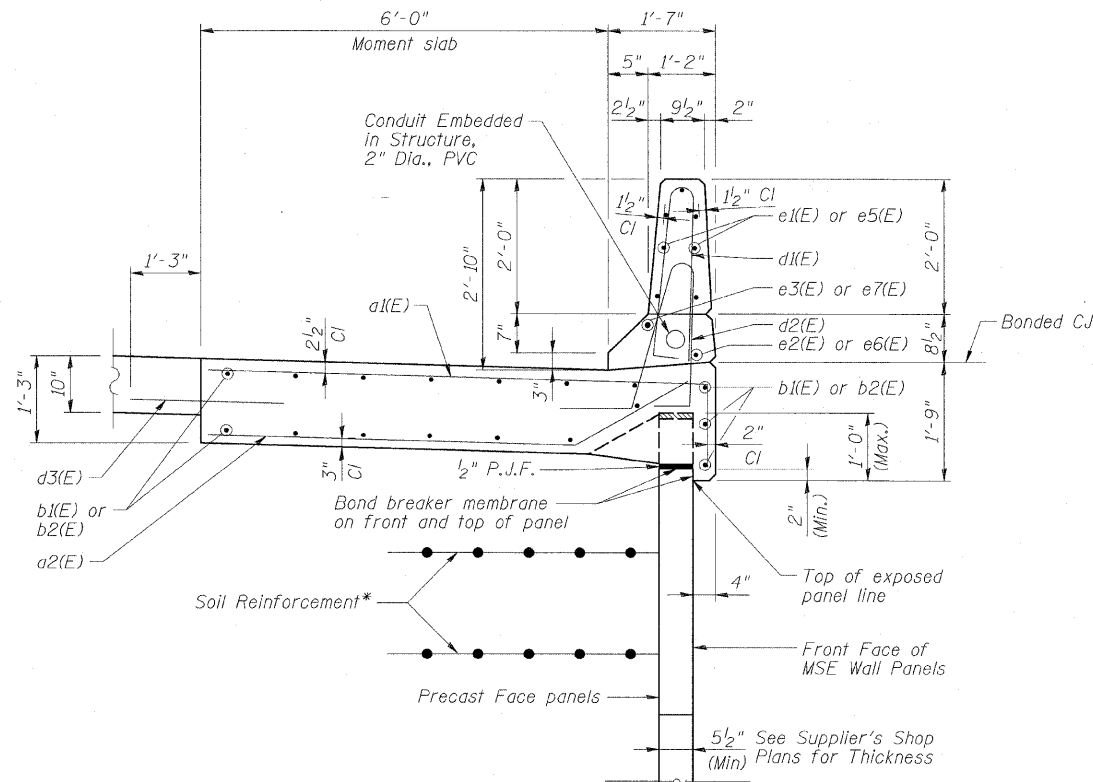
Sheet SW5 of 8



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	522
STA. 3356+37.74		TO STA. 3359+24.72		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

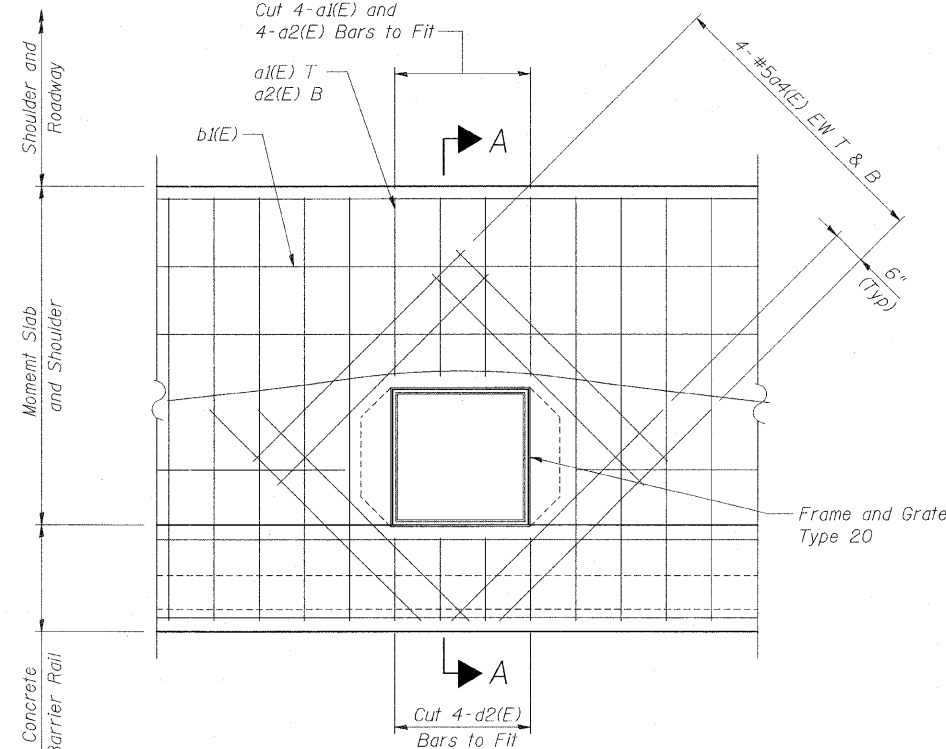
62410

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION



TYPICAL CROSS SECTION THRU MOMENT SLAB & BARRIER

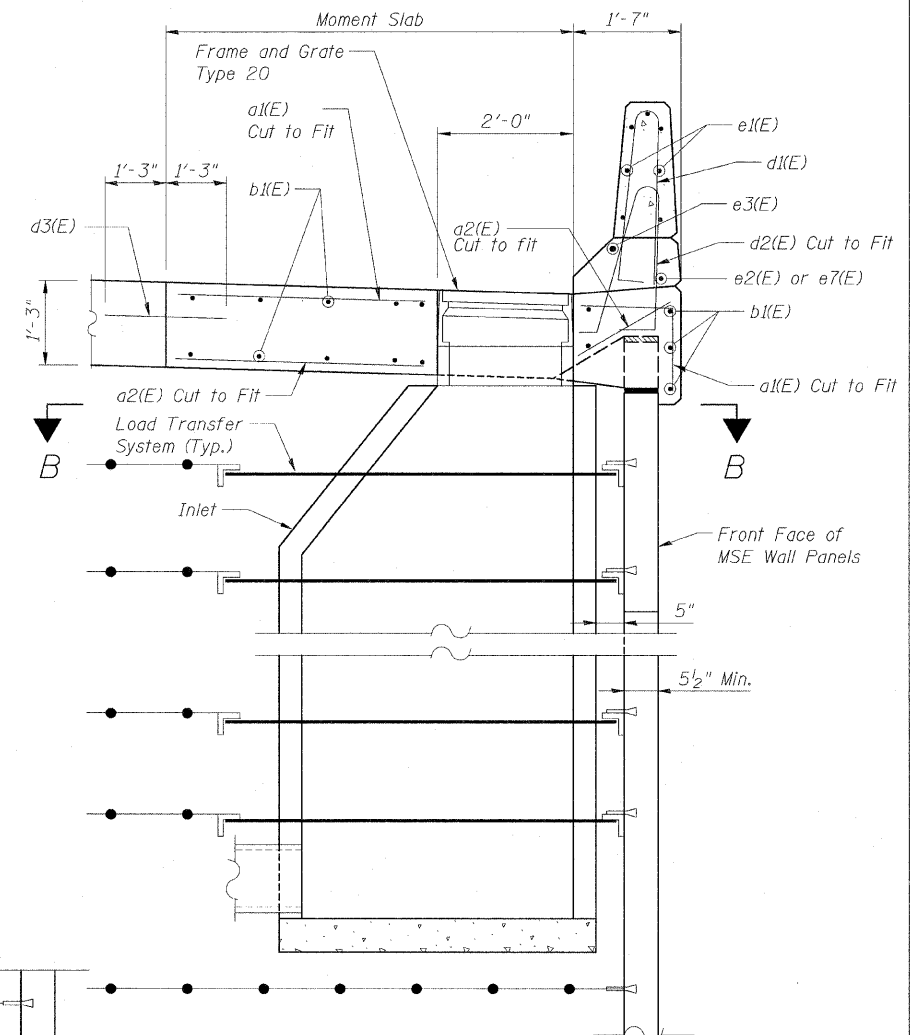
* The M.S.E. Wall supplier's internal stability design shall account for the anchorage slab's bearing pressure surcharge of 0.24 ksf and horizontal sliding force of 0.5 kips/ft. of wall.



DETAIL 1- MOMENT SLAB AND BARRIER AT CATCH BASIN

NOTES:

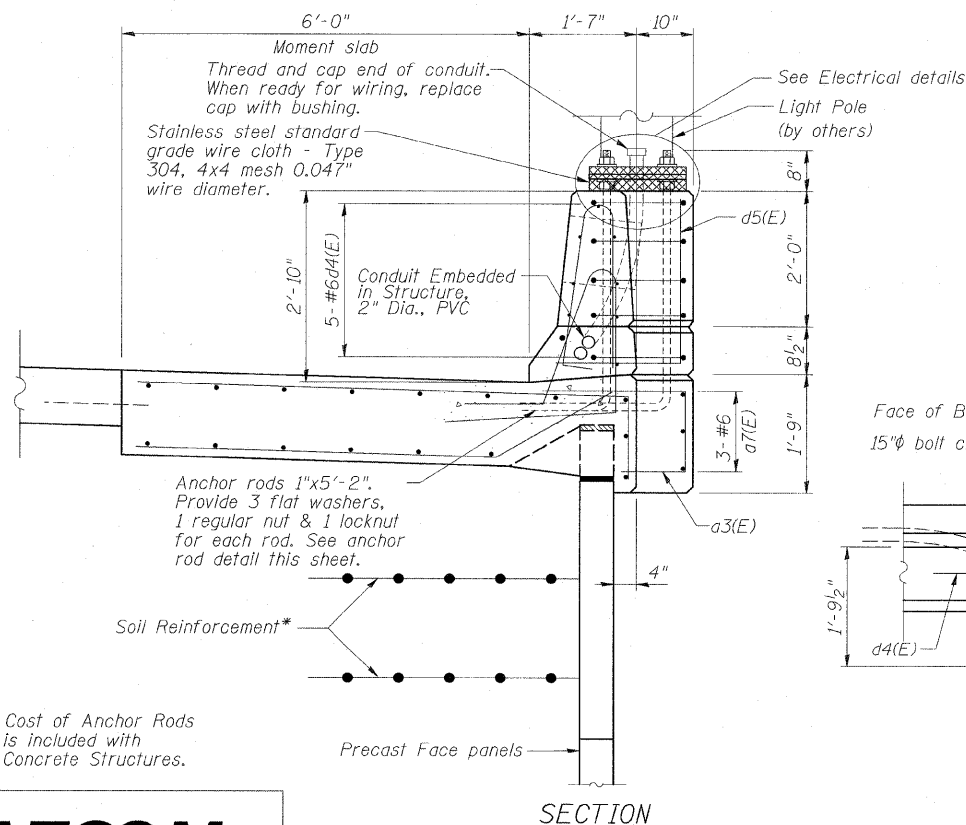
1. Provide minimum 2" clearance between reinforcing bars and Frame and Grate Type 20.



SECTION A-A
 Units 1, 3 and 6

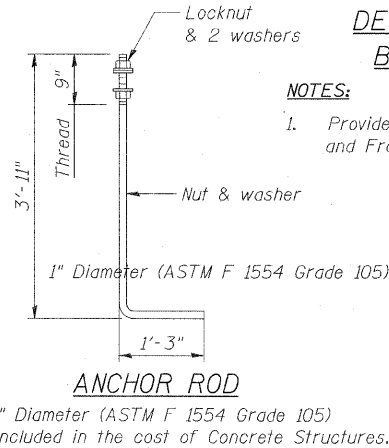
NOTES:

1. For General Notes, see Sheet SW2.
2. For Bar Bending Diagrams, see Sheet SW8.



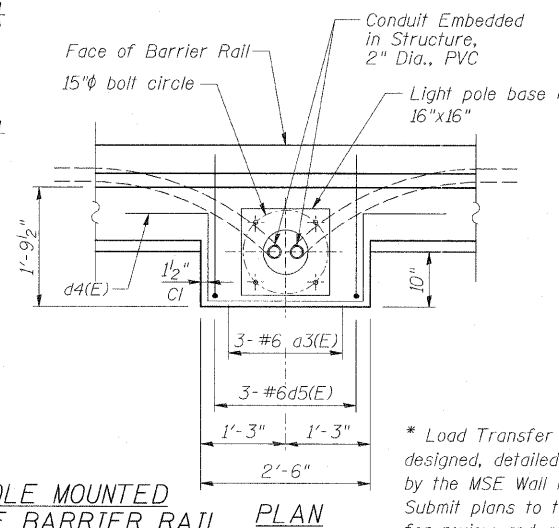
SECTION LIGHT POLE MOUNTED ON CONCRETE BARRIER RAIL

Note: Cost of Anchor Rods is included with Concrete Structures.



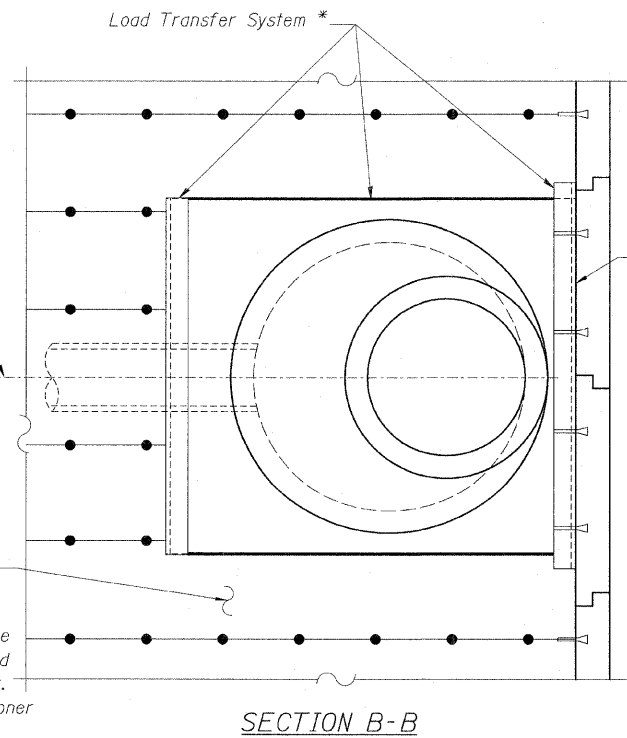
ANCHOR ROD

1" Diameter (ASTM F 1554 Grade 105)
 Included in the cost of Concrete Structures.



PLAN

* Load Transfer System to be designed, detailed and installed by the MSE Wall Manufacturer. Submit plans to the Commissioner for review and approval.



SECTION B-B

REVISIONS	
NAME	DATE

F.A.P. ROUTE 307 ILLINOIS ROUTE 64
 (NORTH AVENUE)
 OVER E.J.&E. AND U.P. R.R.
MOMENT SLAB DETAILS AT DRAINAGE STRUCTURE
 STRUCTURE NUMBER 022-W029
 FAP 307 SECTION 130 R-2
 DUPAGE COUNTY
 STA. 3350+69.00 TO 3356+80.01
 SCALE: None
 DATE: NOVEMBER 1, 2011
 DRAWN BY: MRK
 CHECKED BY: MJP

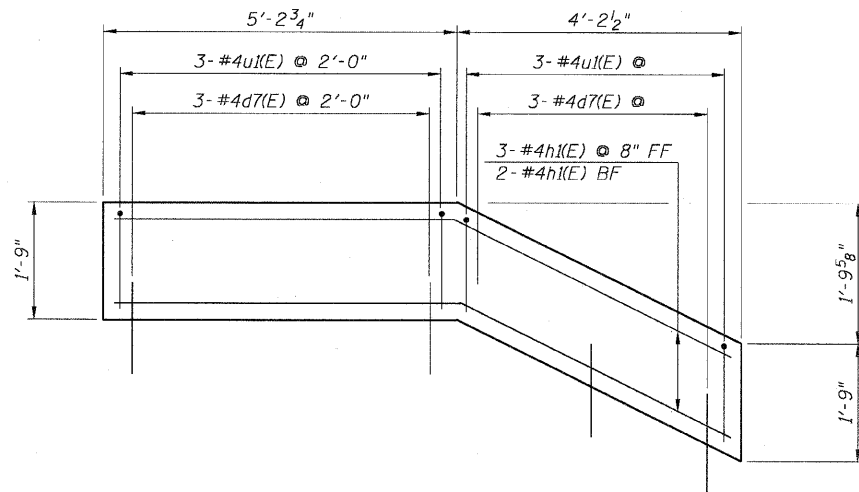
Sheet SW6 of 8



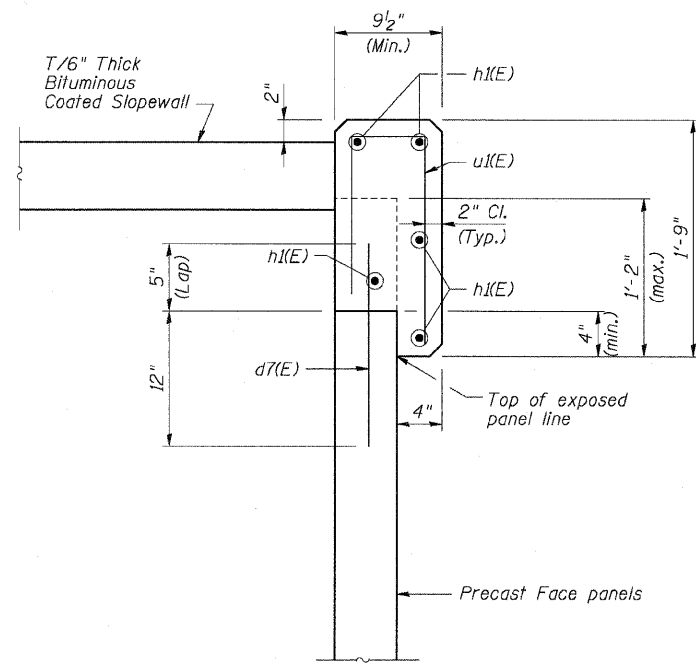
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	523
STA. 3356+37.74		TO STA. 3359+24.72		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

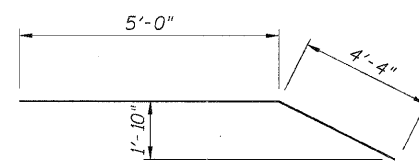
62410



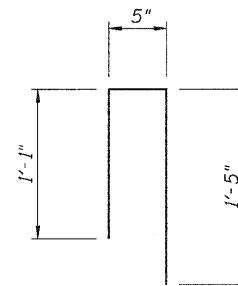
COPING DETAIL



SECTION A-A



BAR h1(E)



BAR u1(E)

NOTES:

1. For General Notes, see Sheet SW2.
2. For Bar Bending Diagrams, see Sheet SW8.
3. Concrete and Reinforcing Steel for Slopewall
 Coping is included in the cost of Mechanically Stabilized Earth Retaining Wall.

Sheet SW7 of 8

REVISIONS	
NAME	DATE

F.A.P. ROUTE 307 ILLINOIS ROUTE 64
 (NORTH AVENUE)
 OVER E.J.&E. AND U.P. R.R.
 COPING DETAILS

STRUCTURE NUMBER 022-W029
 FAP 307 SECTION 130 R-2
 DUPAGE COUNTY
 STA. 3350+69.00 TO 3356+80.01

SCALE: None
 DATE: MAY 13, 2011

DRAWN BY: MRK
 CHECKED BY: MJP



STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

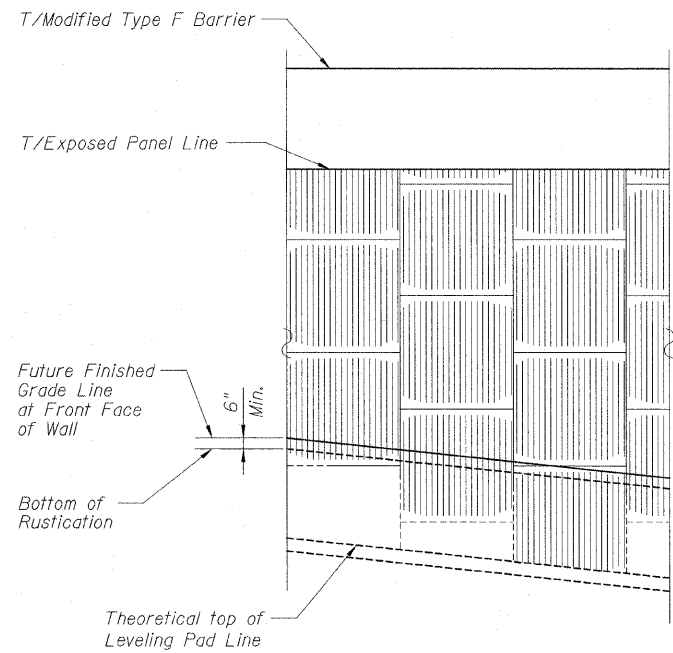
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	524
STA. 3356+37.74		TO STA. 3359+24.72		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

62410

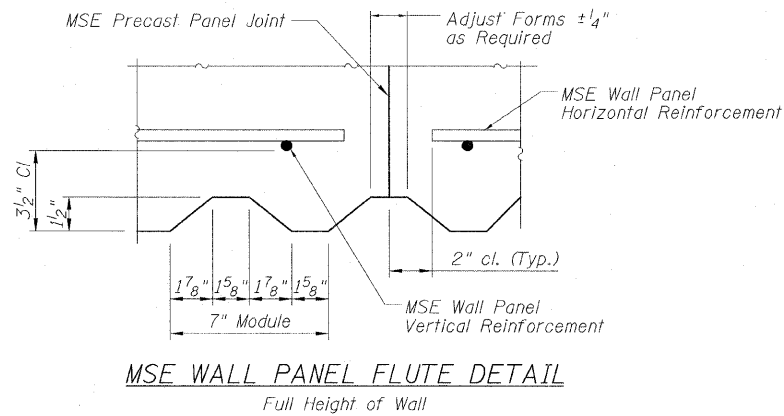
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a1(E)	862	#5	8'-7"	[Shape]
a2(E)	862	#5	7'-6"	[Shape]
a3(E)	6	#6	4'-9"	[Shape]
a4(E)	48	#5	4'-8"	[Shape]
a5(E)	2	#5	6'-6"	[Shape]
a7(E)	6	#6	7'-11"	[Shape]
b1(E)	306	#5	33'-8"	[Shape]
b2(E)	17	#5	35'-8"	[Shape]
d1(E)	862	#5	5'-7"	[Shape]
d2(E)	862	#5	6'-2"	[Shape]
d3(E)	284	#6	2'-6"	[Shape]
d4(E)	10	#6	8'-11"	[Shape]
d5(E)	6	#6	4'-5"	[Shape]
e1(E)	126	#4	29'-6"	[Shape]
e2(E)	18	#4	32'-1"	[Shape]
e3(E)	18	#8	34'-5"	[Shape]
e5(E)	7	#4	31'-6"	[Shape]
e6(E)	1	#4	31'-6"	[Shape]
e7(E)	1	#8	31'-6"	[Shape]

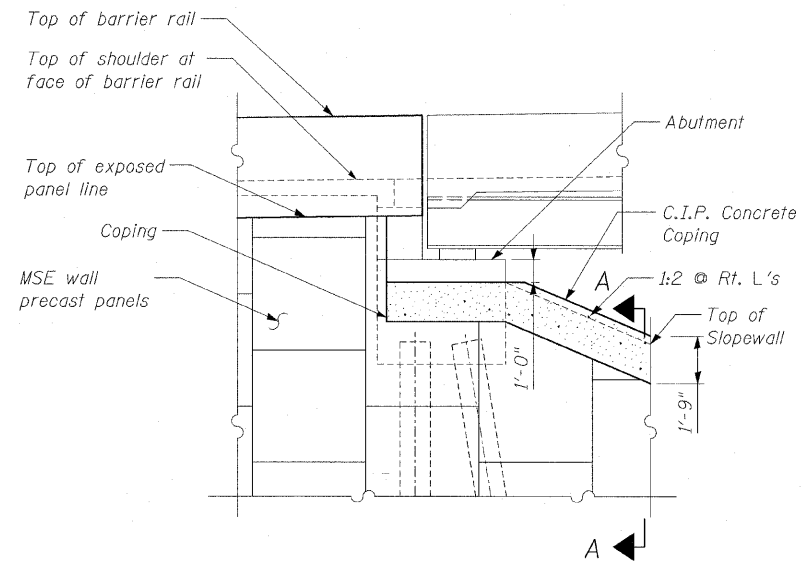
Item	Unit	Quantity
Reinforcement Bars, Epoxy Coated	Pound	42,720



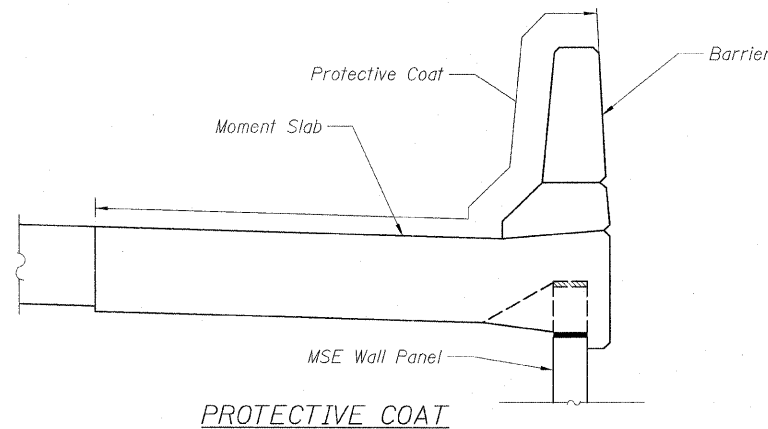
ELEVATION
 TYPICAL ARCHITECTURAL FINISH



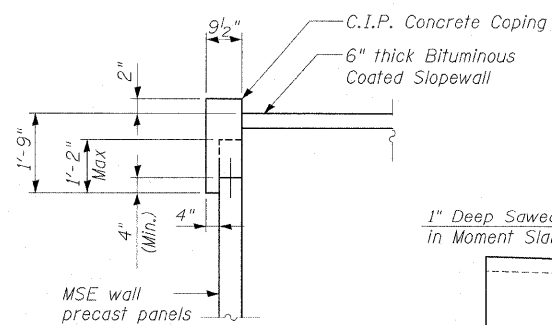
MSE WALL PANEL FLUTE DETAIL
 Full Height of Wall



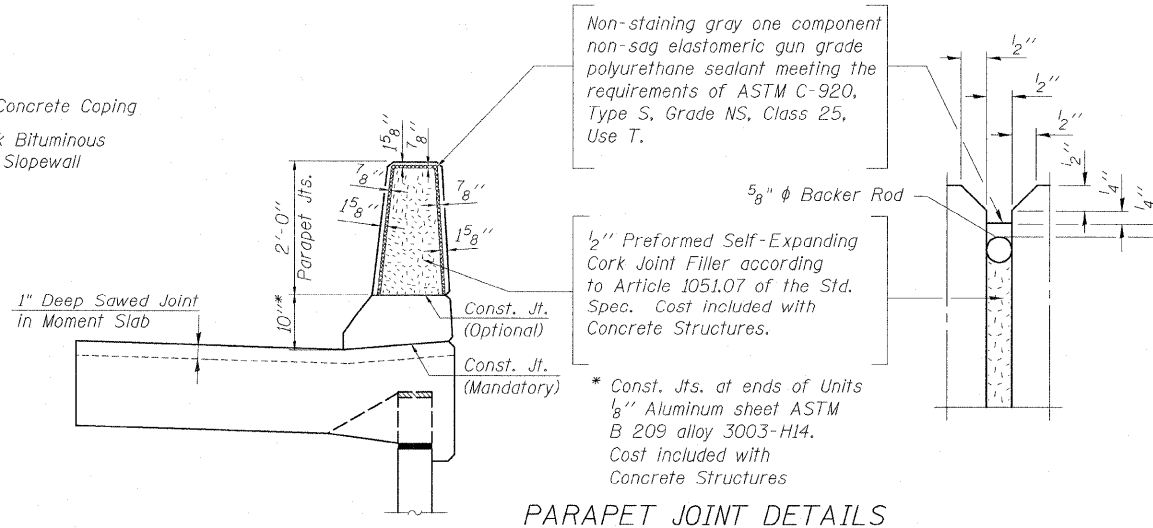
DETAIL 1
 (Looking North)



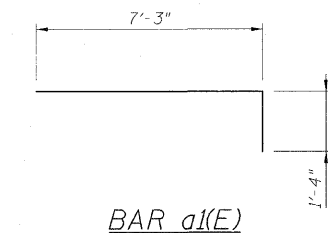
PROTECTIVE COAT



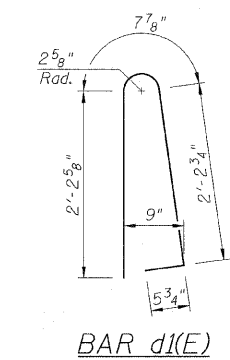
SECTION A-A



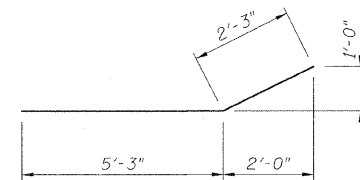
PARAPET JOINT DETAILS



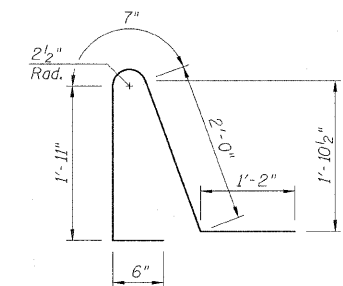
BAR a1(E)



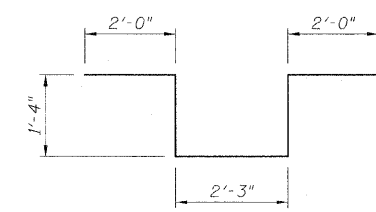
BAR d1(E)



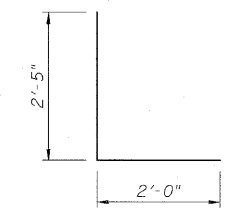
BAR a2(E)



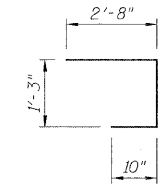
BAR d2(E)



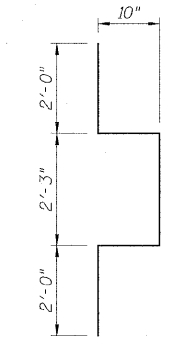
BAR d4(E)



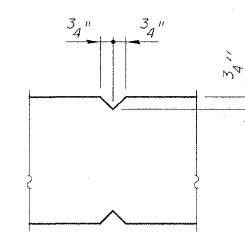
BAR d5(E)



BAR a3(E)



BAR a7(E)



3/4" V-GROOVED JOINT DETAIL

NOTES:

1. For General Notes, see Sheet SW2.

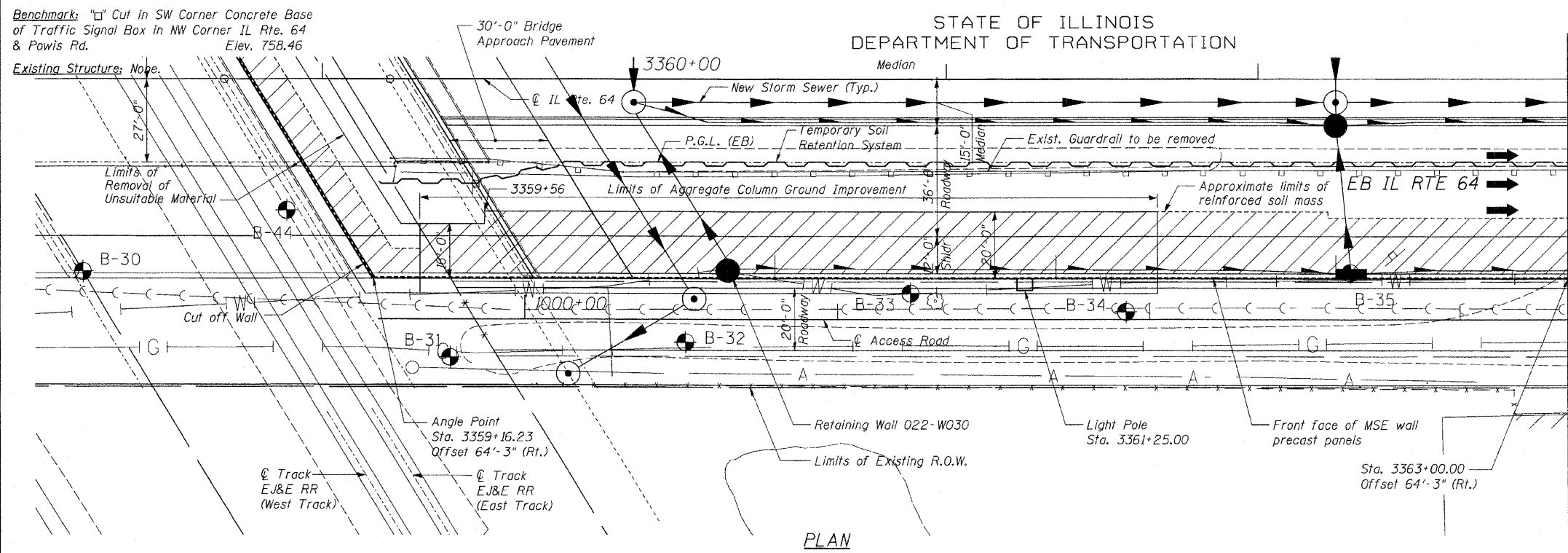
REVISIONS	
NAME	DATE

Sheet SW8 of 8
 F.A.P. ROUTE 307 ILLINOIS ROUTE 64
 (NORTH AVENUE)
 OVER E.J.&E. AND U.P. R.R.
 REINFORCEMENT DETAILS
 AND BILL OF MATERIAL
 STRUCTURE NUMBER 022-W029
 FAP 307 SECTION 130 R-2
 DUPAGE COUNTY
 STA. 3350+69.00 TO 3356+80.01
 SCALE: None DRAWN BY: MRK
 DATE: NOVEMBER 1, 2011 CHECKED BY: MJP



STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	525
STA. 3356+37.74		TO STA. 3359+24.72		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		62410



DESIGN SPECIFICATIONS

AASHTO Standard Specifications for Highway Bridges, 17th Edition-2002

DESIGN STRESSES

- FIELD UNITS**
 $f'_c = 3,500$ psi
 $f_y = 60,000$ psi (Reinforcement)
- PRECAST UNITS**
 $f'_c = 4,500$ psi (Precast Face Panels)

INDEX OF SHEETS:

- SE1 General Plan
- SE2 General Plan
- SE3 General Plan
- SE4 Typical Sections
- SE5 Typical Sections
- SE6 Moment Slab Details
- SE7 Moment Slab Details at Drainage Structure
- SE8 Coping Details
- SE9 Reinforcement Details and Bill of Material

NOTES:

1. For General Notes see Sheet SE2.
2. The face of abutment station is measured to an offset equal to 63'-9" (the assumed back face of the MSE wall panels).
3. The vertical scale of the elevation view has been exaggerated to show detail.
4. Arrange Aggregate Columns to avoid conflicts with abutment piles.
5. For Temporary Soil Retention System, see Sheet TS2.

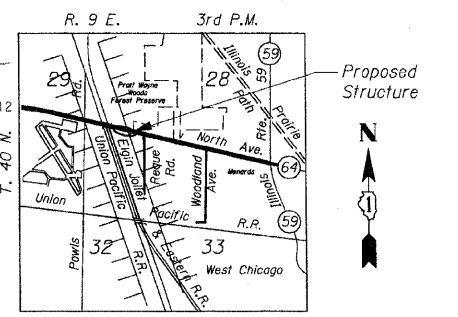
BILL OF MATERIAL

Item	Unit	Quantity
Removal and Disposal of Unsuitable Material	Cu Yd	185
Structure Excavation	Cu Yd	5,230
Concrete Structures	Cu Yd	316.9
Protective Coat	Sq Yd	737
Reinforcement Bars, Epoxy Coated	Pound	51,110
Temporary Soil Retention System	Sq Ft	6,130
Mechanically Stabilized Earth Retaining Wall	Sq Ft	16,236
Aggregate Column Ground Improvement	L. Sum	0.25
Conduit Embedded in Structure, 2" Dia., PVC	Foot	689

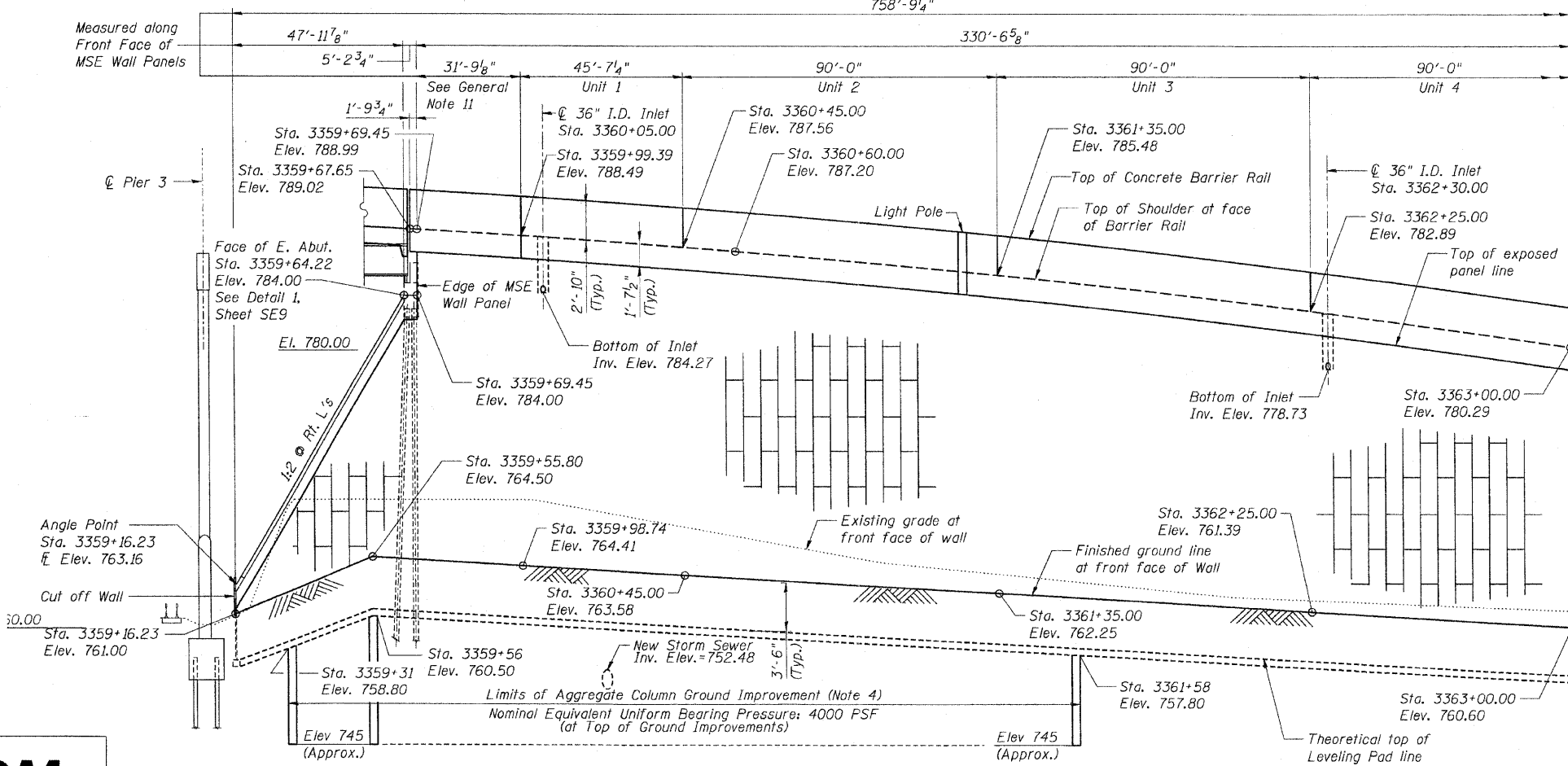
APPROVED
 FOR STRUCTURAL ADEQUACY ONLY
Matthew J. Pregmon
 ENGINEER OF BRIDGES AND STRUCTURES



EXPIRATION DATE: 11-30-2012



LOCATION SKETCH
 Not to Scale
 Sheet SE1 of 9



ELEVATION
 (Looking North at front face of wall)



REVISIONS	
NAME	DATE

F.A.P. ROUTE 307 ILLINOIS ROUTE 64
 (NORTH AVENUE)
 OVER E.J. & E. AND U.P. R.R.
 GENERAL PLAN
 NORTH AVENUE
 STRUCTURE NUMBER 022-W030
 FAP 307 SECTION 130 R-2
 DUPAGE COUNTY
 STA. 3359+16.23 TO 3366+75.00
 SCALE: None
 DATE: NOVEMBER 1, 2011
 DRAWN BY: MRK
 CHECKED BY: MJM

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	526
STA. 3356+37.74		TO STA. 3359+24.72		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

62410

ABBREVIATIONS:

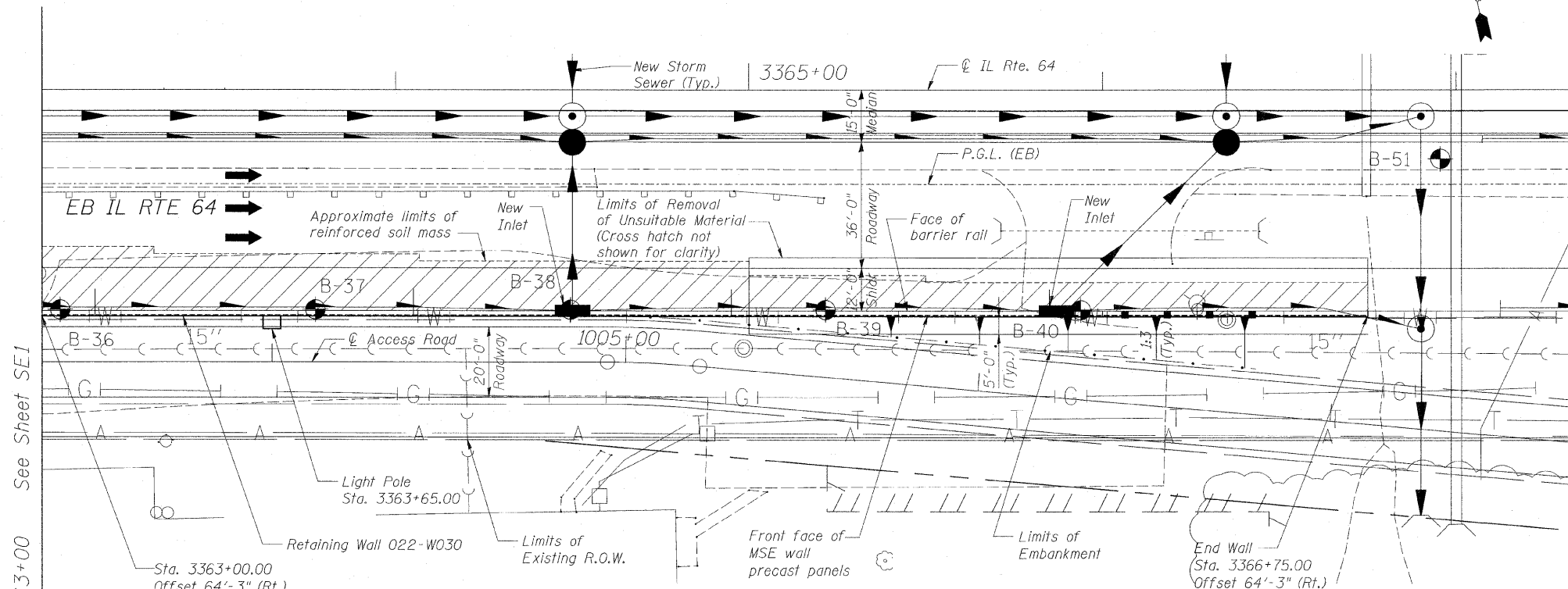
- B Bottom
- BF Back Face
- CJ Construction Joint
- EF Each Face
- FF Front Face
- Lt Left
- PJF Preformed Joint Filler
- PJS Preformed Joint Seal
- Shld Shoulder
- Sta Station
- T Top

GENERAL NOTES:

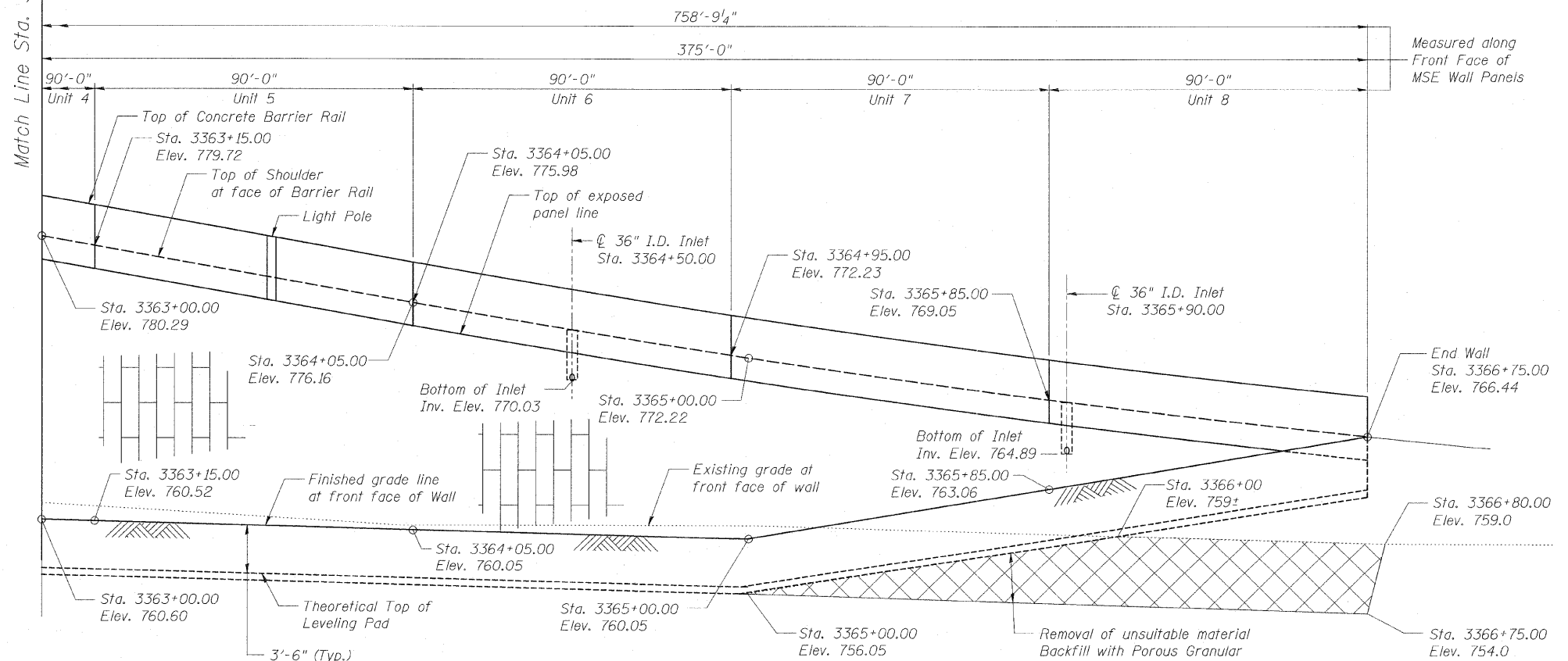
1. Stations and offsets are measured from @ IL Rte. 64 to the front face of the MSE wall panels.
2. Existing utilities in conflict with the retaining wall shall be abandoned or relocated according to directions given in the Roadway Plans.
3. All construction joints shall be bonded.
4. All exposed concrete edges shall have a 3/4" by 45° chamfer except where shown otherwise. Chamfer on vertical edges shall be continued a minimum of 1 foot below the finished ground line.
5. A protective coat shall be applied according to Section 503 of the Standard Specifications to the top and inside surfaces of the Barrier and the top of the Moment Slab.
6. Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60.
7. Reinforcement bars designated "E" shall be epoxy coated.
8. Coarse aggregate for concrete in Barrier shall meet the requirements of Section 1004.01(b) of the Standard Specifications, Type A.
9. Slipforming of Barrier is prohibited.
10. For Boring Logs, see Sheets SB1 and SB2.
11. For Coping and Barrier Details along the Approach Slab, see Bridge 022-0190 Plans.
12. Any embankment fill that is placed to support the bearing of the wall shall have a minimum unconfined compressive strength equal to 1.5 TSF or a minimum phi angle of 30°.
13. Standard symbols, abbreviations and patterns for existing features per Std. 000001-01 through 000001-04.
14. Temporary MSE Wall is located From Station 3348+00 to Station 3354+50. For Temporary MSE Wall Details, See Sheet TS1.

LEGEND:

- Reinforced Soil Mass
- Removal of Unsuitable Material
- MSE Wall Panels
- Soil Boring

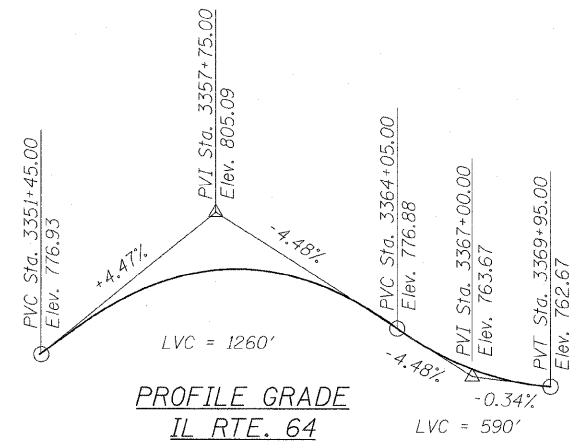


PLAN



ELEVATION

(Looking North at front face of wall)



REVISIONS	
NAME	DATE

F.A.P. ROUTE 307 ILLINOIS ROUTE 64 (NORTH AVENUE) OVER E.J.&E. AND U.P. R.R. GENERAL PLAN NORTH AVENUE STRUCTURE NUMBER 022-W030 FAP 307 SECTION 130 R-2 DUPAGE COUNTY STA. 3359+16.23 TO 3366+75.00 SCALE: None DRAWN BY: MRK DATE: NOVEMBER 1, 2011 CHECKED BY: MJF



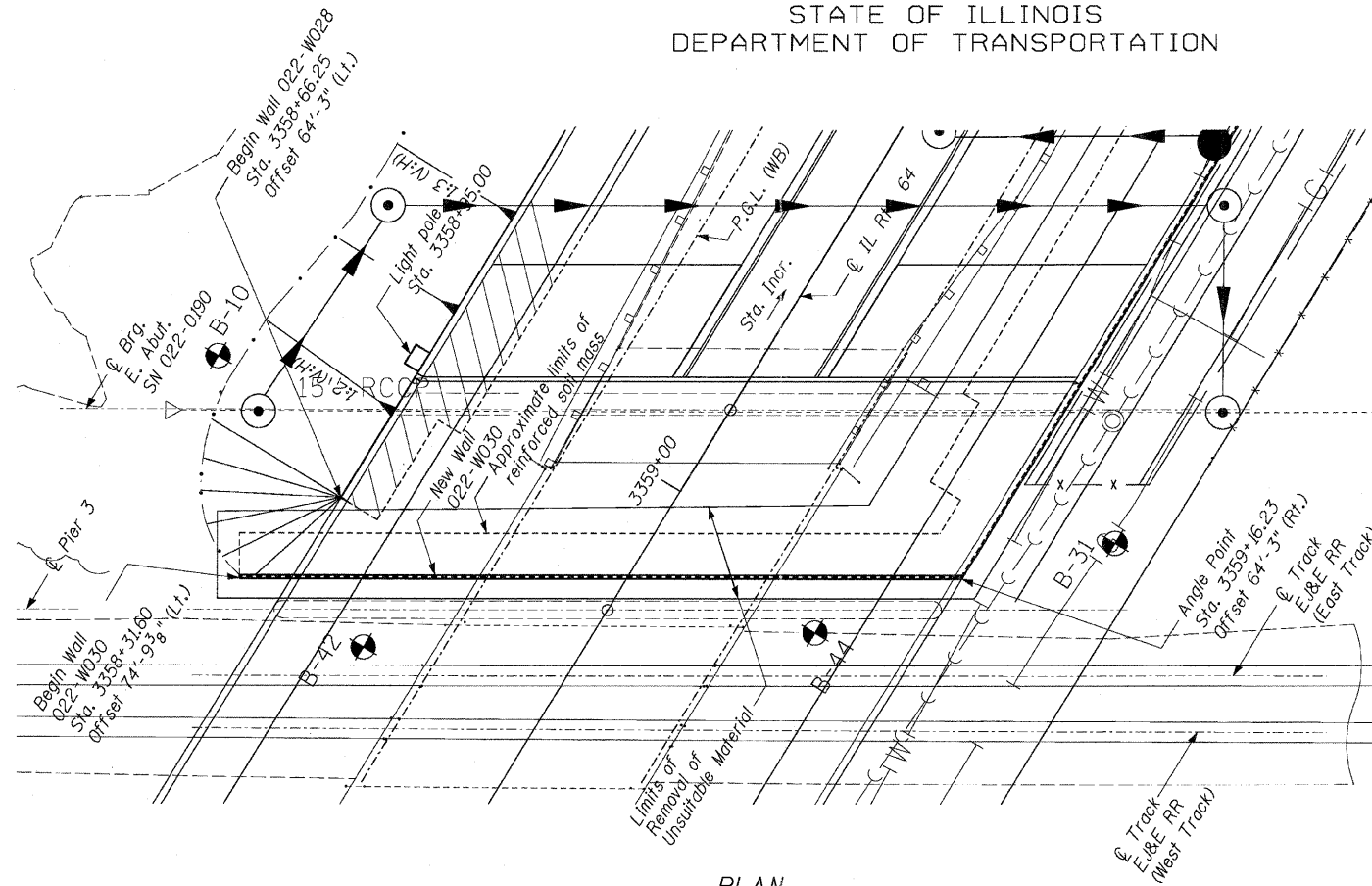
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	527
STA. 3356+37.74		TO STA. 3359+24.72		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

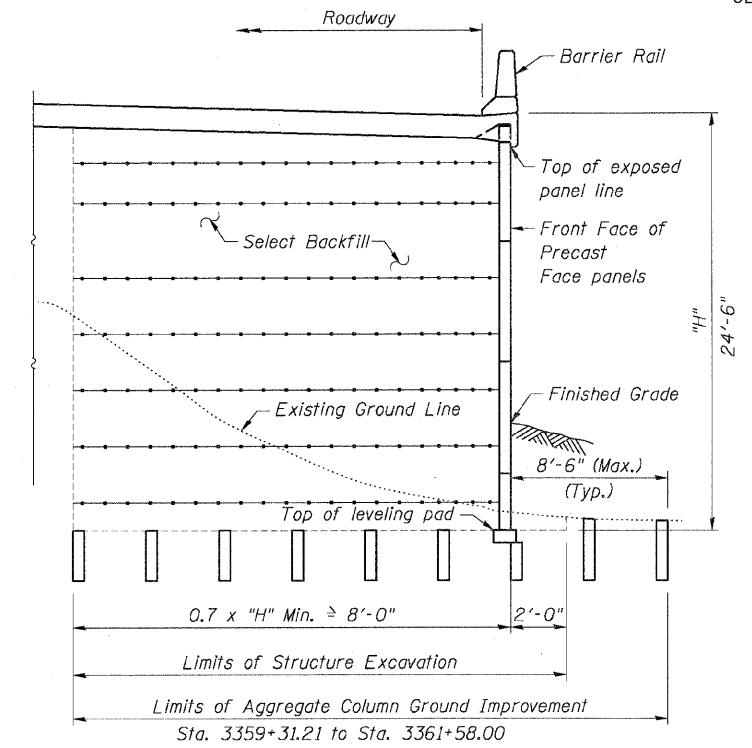
62410

Benchmark: "1" Cut in SW Corner Concrete Base of Traffic Signal Box in NW Corner IL Rte. 64 & Powis Rd. Elev. 758.46

Existing Structure: None.



PLAN



SECTION

NOTES:

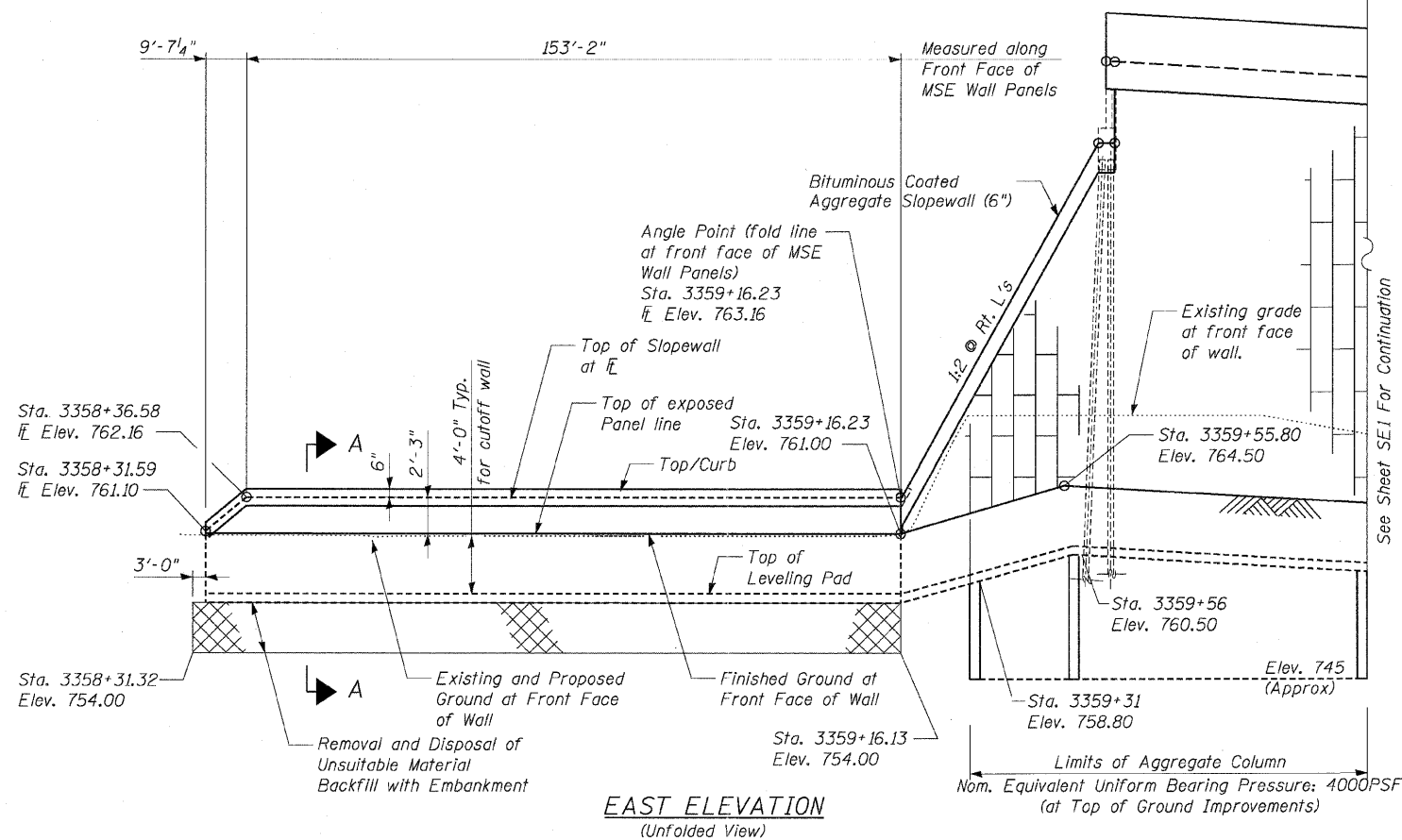
- For General Notes, see Sheet SE2.
- For Legend and Abbreviations, see Sheet SE1.
- Stations and Offsets are measured from the \odot IL Rte 64 to the Front Face of the MSE Wall panels.
- For Section A-A see Sheet SE5.

AGGREGATE COLUMN GROUND IMPROVEMENT:

- Aggregate Column Ground Improvement shall be designed and installed by the Contractor in accordance with the Special Provision for Aggregate Column Ground Improvement.
- For limits of Aggregate Column Ground Improvement, see Sheet SE1.
- The Top of Exposed Panel Elevations shown on the Elevation View are final elevations allowing for total settlement of 4 inches and settlement after completing wall or pavement construction of 1 inch. The MSE Wall vendor shall provide additional panel heights to allow for the settlement of the leveling pad during installation. The cost of any adjustment to precast face panels that are needed to compensate for settlement shall be included with Aggregate Column Ground Improvement.
- Vibrator compacted aggregate columns shall be constructed by the bottom feed method. Top feed will only be allowed if the columns are pre-bored the entire length and the Engineer determines that the open columns do not collapse during backfilling and vibration.

Ground Improvement Performance Requirements:

- Post-construction settlement of MSE wall shall not exceed 1.0 inch.
- Minimum factor of safety for global stability shall be 1.5.
- Minimum factor of safety for Nominal Equivalent Uniform Bearing Pressure shall be 2.5.
- Total settlement shall not exceed 4.0 inches.



EAST ELEVATION
 (Unfolded View)

See Sheet SE1 For Continuation

REVISIONS	
NAME	DATE

F.A.P. ROUTE 307 ILLINOIS ROUTE 64 (NORTH AVENUE) OVER E.J.&E. AND U.P. R.R. GENERAL PLAN
 STRUCTURE NUMBER 022-W030 FAP 307 SECTION 130 R-2 DUPAGE COUNTY
 STA. 3359+16.23 TO 3366+75.00
 SCALE: None DRAWN BY: MRK
 DATE: MAY 13, 2011 CHECKED BY: MJP

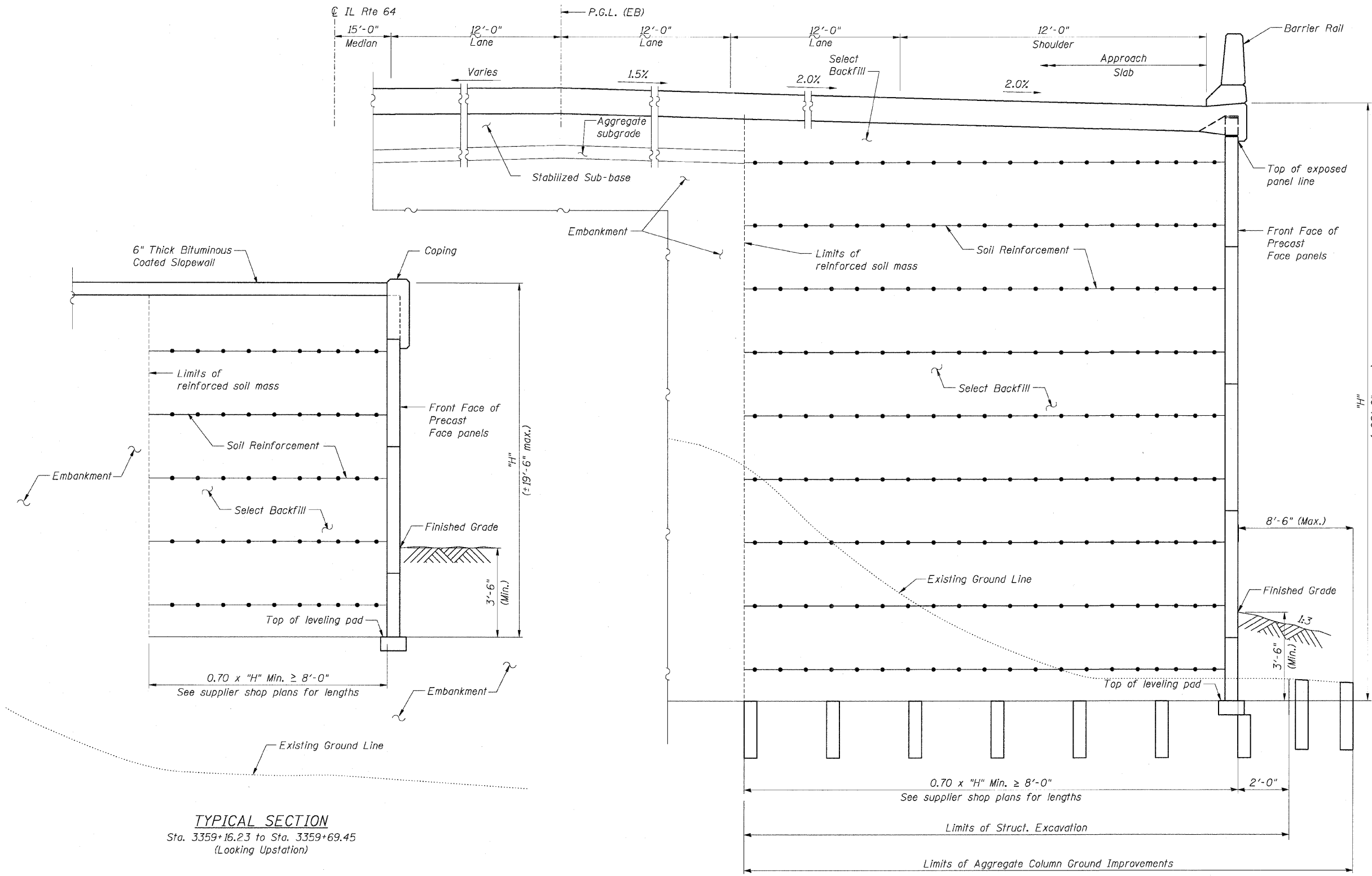
Sheet SE3 of 9



STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	528
STA. 3356+37.74		TO STA. 3359+24.72		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

62410



- NOTES:**
1. For General Notes, see Sheet SE2.
 2. For Coping Details, see Sheet SE8.
 3. For Approach Slab Details, see Bridge 022-0190 plans.



REVISIONS	
NAME	DATE

F.A.P. ROUTE 307 ILLINOIS ROUTE 64
 (NORTH AVENUE)
 OVER E.J.&E. AND U.P. R.R.
 TYPICAL SECTIONS

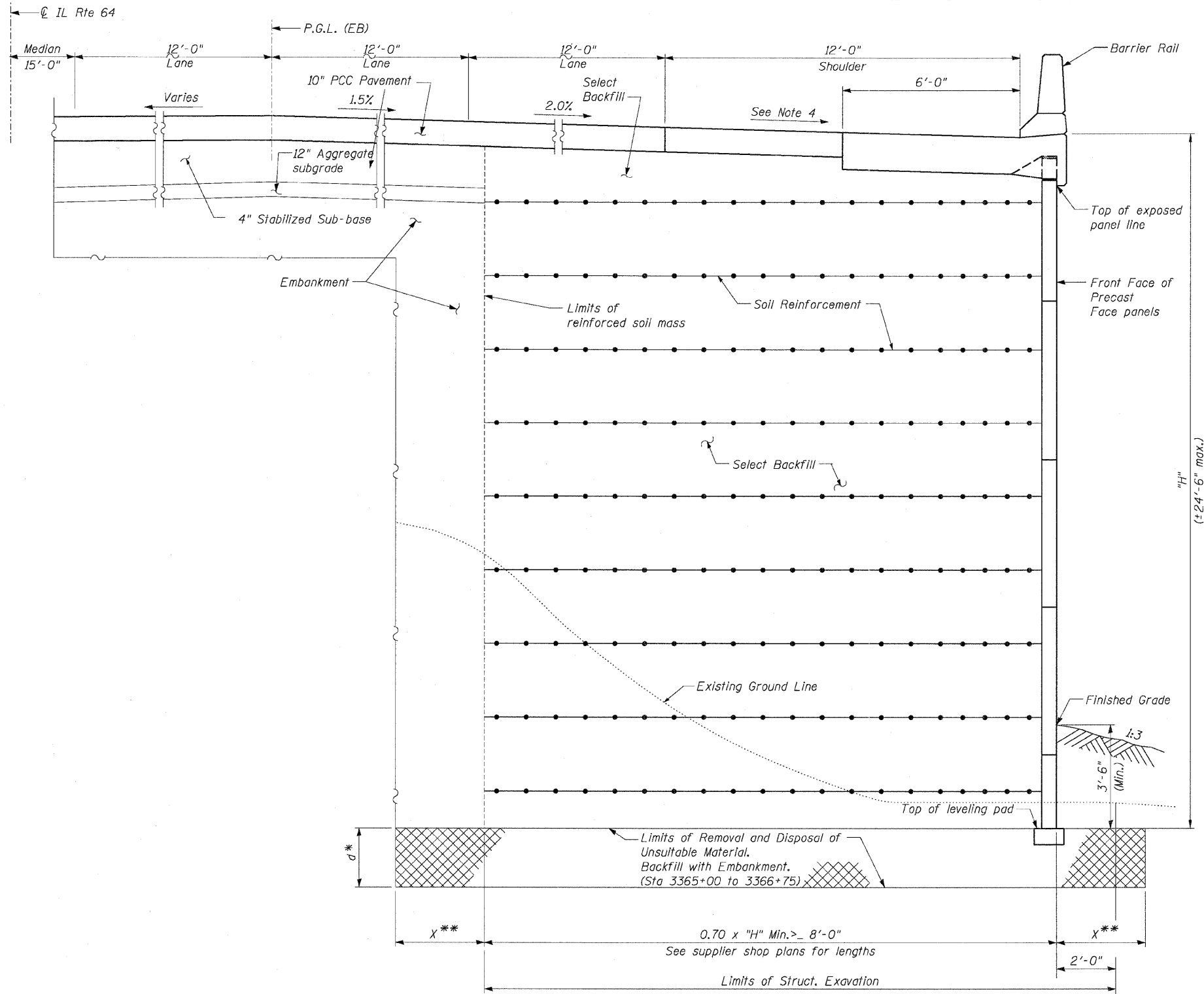
STRUCTURE NUMBER 022-W030
 FAP 307 SECTION 130 R-2
 DUPAGE COUNTY
 STA. 3359+16.23 TO 3366+75.00

SCALE: None DRAWN BY: MRK
 DATE: MAY 13, 2011 CHECKED BY: MJP

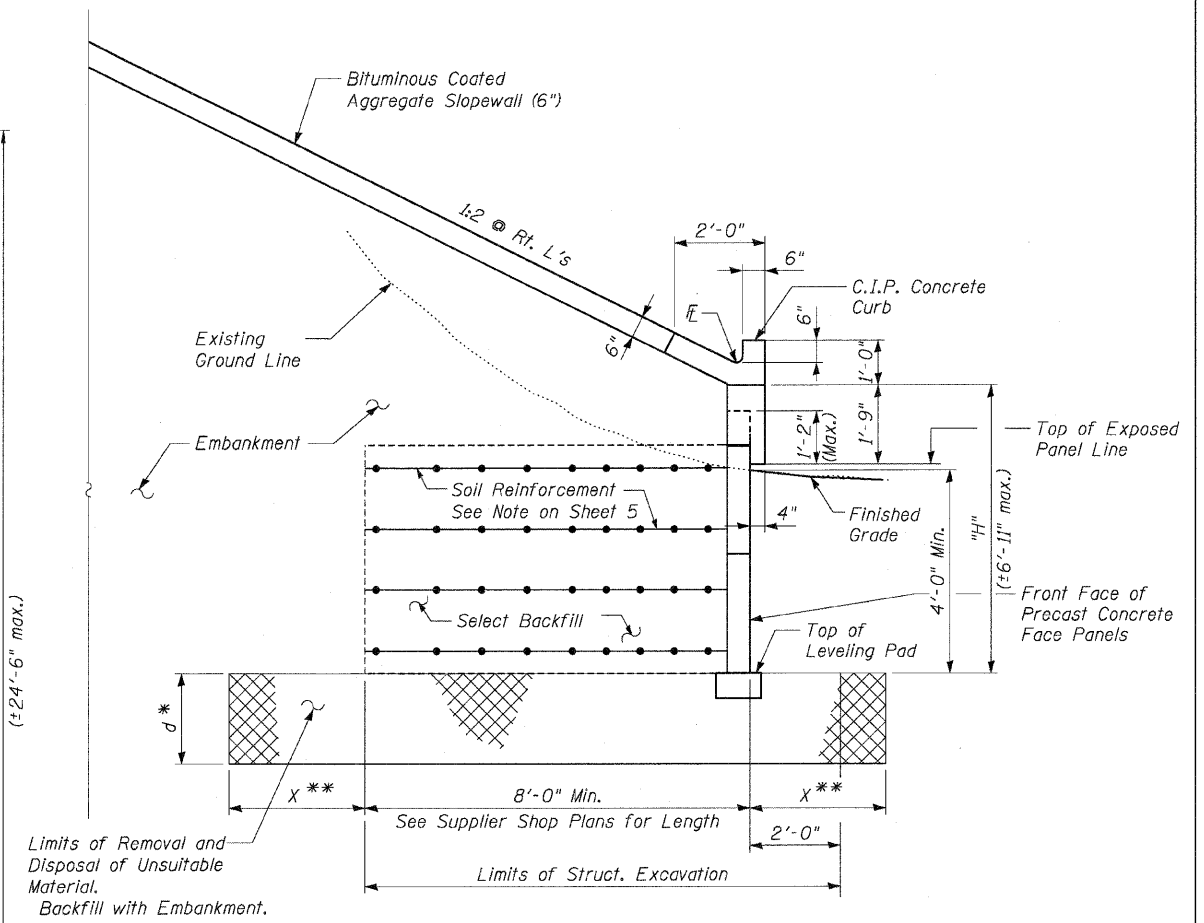
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	529
STA. 3356+37.74		TO STA. 3359+24.72		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

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TYPICAL SECTION
 Sta. 3359+99.39 to Sta. 3366+75.00
 (Looking Upstation)



SECTION A-A
TYPICAL SECTION THROUGH CUTOFF WALL
 (Looking South)

- NOTES:**
- For General Notes, see Sheet SE2.
 - For Moment Slab Details, see Sheets SE6 and SE7.
 - For Coping Details, see Sheet SE8.
 - Shoulder Slopes: Sta. 3359+99.39 to Sta. 3360+60.00: Varies 2.0% to 4.0%
 Sta. 3360+60.00 to Sta. 3366+75.00: 4.0%

* For Limits of Removal of Unsuitable Material see Sheets SE1 thru SE3. Over excavation beyond structure excavation and removal of unsuitable material will not be measured for payment.

** Edge Distance "X" is the same as the Removal Depth "d"

Sheet SE5 of 9

REVISIONS	
NAME	DATE

F.A.P. ROUTE 307 ILLINOIS ROUTE 64 (NORTH AVENUE) OVER E.J.&E. AND U.P. R.R. TYPICAL SECTIONS

STRUCTURE NUMBER 022-W030
 FAP 307 SECTION 130 R-2
 DUPAGE COUNTY
 STA. 3359+16.23 TO 3366+75.00
 SCALE: None
 DATE: MAY 13, 2011

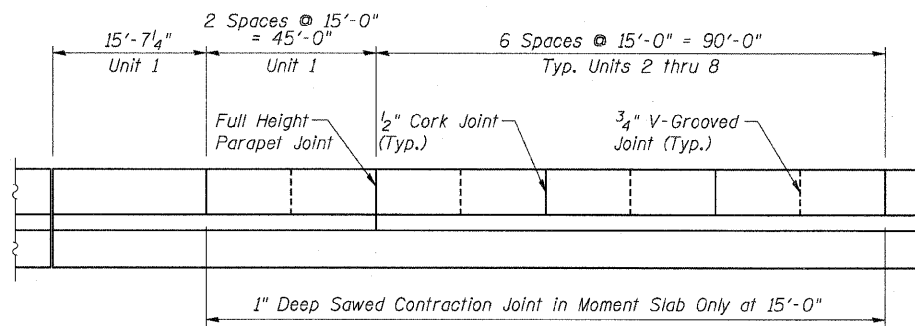
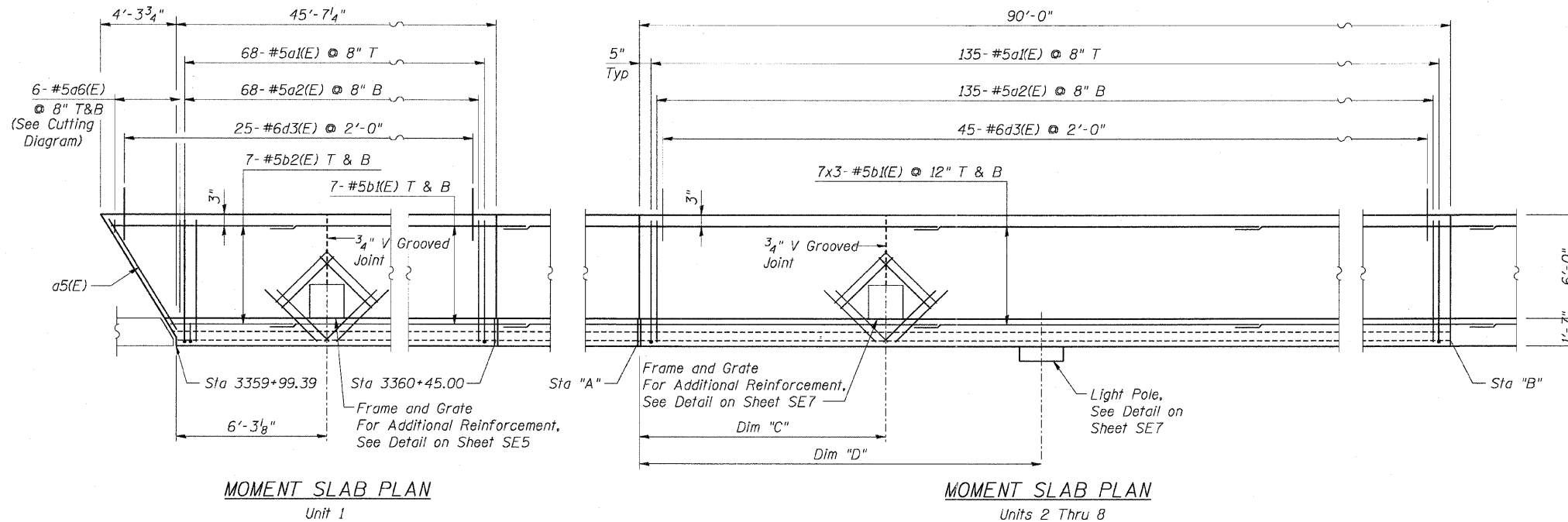
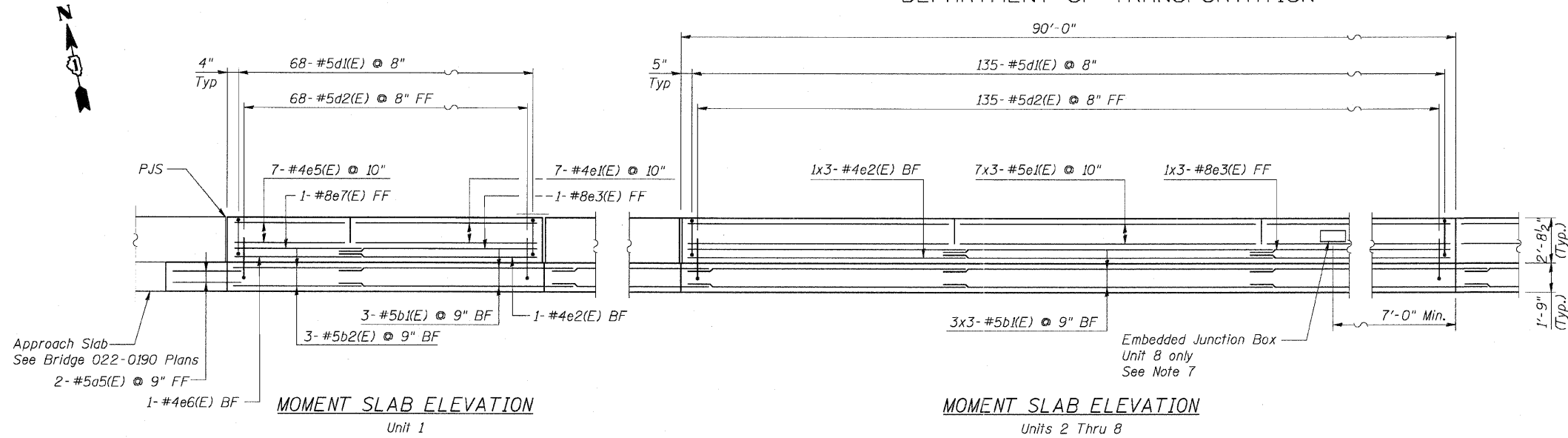
DRAWN BY: MRK
 CHECKED BY: MJP



STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	530
STA. 3356+37.74		TO STA. 3359+24.72		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

62410



PARAPET AND MOMENT SLAB JOINT LAYOUT
 See Note 4

NOTES:

- For General Notes, see Sheet NW2.
- For Bar Bending Diagrams, see Sheet NW9.
- For Slab Elevations, see Roadway Plans.
- For Barrier Joint Details, See Sheet NW9.
- Minimum lap lengths for horizontal bars shall be as follows:
 for #5b bars - 3'-8"
 for #5e bars - 3'-3"
 for #8e bars - 6'-9"
- Bars indicated thus 7x2-#5 etc. indicates 7 lines of bars with 2 lengths per line.
- Embedded Junction Box: Cut d1(E) and d2(E) bars to fit. Provide 2 additional d1(E) and d2(E) bars on each side of box alternate between d1(E) and d2(E) bars. Shift horizontal bars to clear box. Provide minimum 1/2" clearance to bars. See Sheet E-17 for additional details.
- Provide DX Type Deflection Fittings at all 1/2" cork filled expansion joints in Concrete Barrier Rail. See Sheet E-11 for details.

Unit	Sta. "A"	Sta. "B"	Dim. "C"	Dim. "D"
2	3360+45.00	3361+35.00		80'-0"
3	3361+35.00	3362+25.00		
4	3362+25.00	3363+15.00	5'-0"	
5	3363+15.00	3364+05.00	45'-0"	
6	3364+05.00	3364+95.00		
7	3364+95.00	3365+85.00		
8	3365+85.00	3366+75.00	5'-0"	20'-0"

Sheet SE6 of 9

REVISIONS	
NAME	DATE

F.A.P. ROUTE 307 ILLINOIS ROUTE 64
 (NORTH AVENUE)
 OVER E.J.&E. AND U.P. R.R.
 MOMENT SLAB DETAILS

STRUCTURE NUMBER 022-W030
 FAP 307 SECTION 130 R-2
 DUPAGE COUNTY

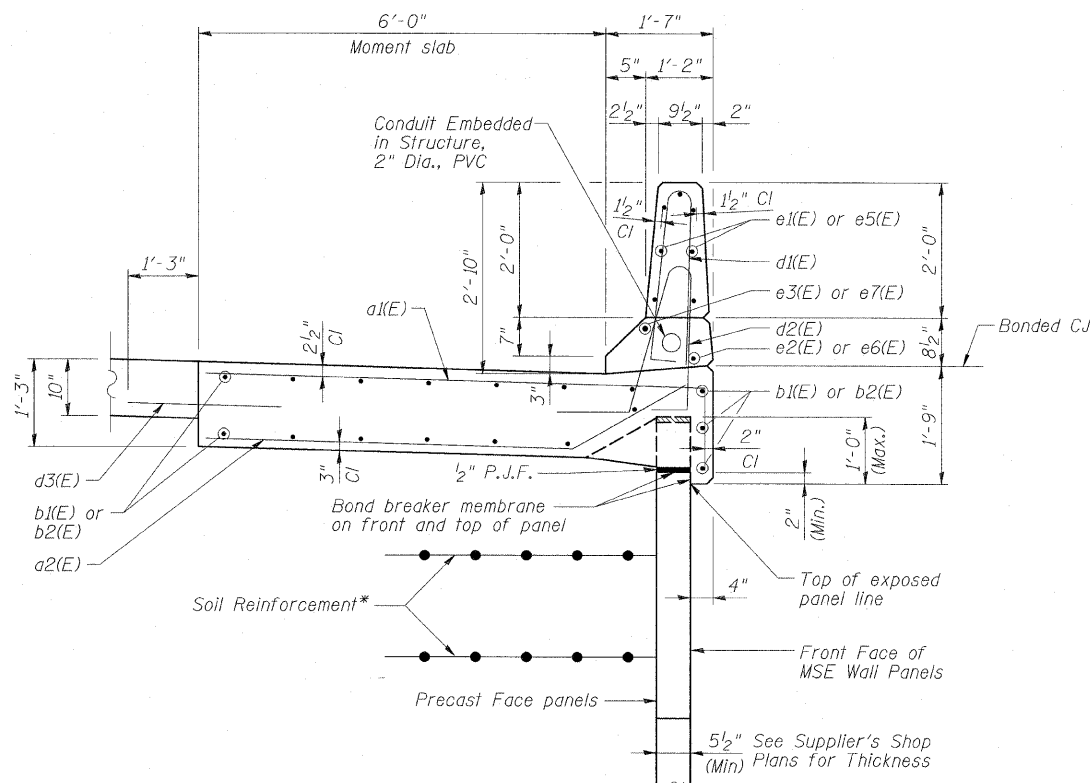
STA. 3359+16.23 TO 3366+75.00
 SCALE: None DRAWN BY: MRK
 DATE: MAY 13, 2011 CHECKED BY: MJP



STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

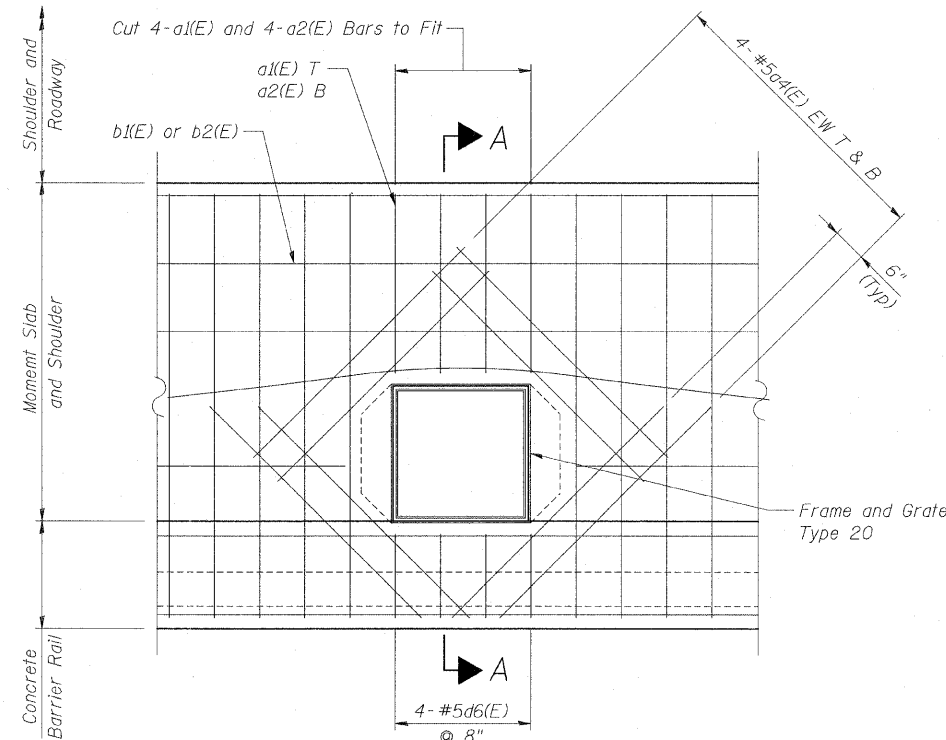
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	531
STA. 3356+37.74 TO STA. 3359+24.72				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

62410



TYPICAL CROSS SECTION
 THRU MOMENT SLAB & BARRIER

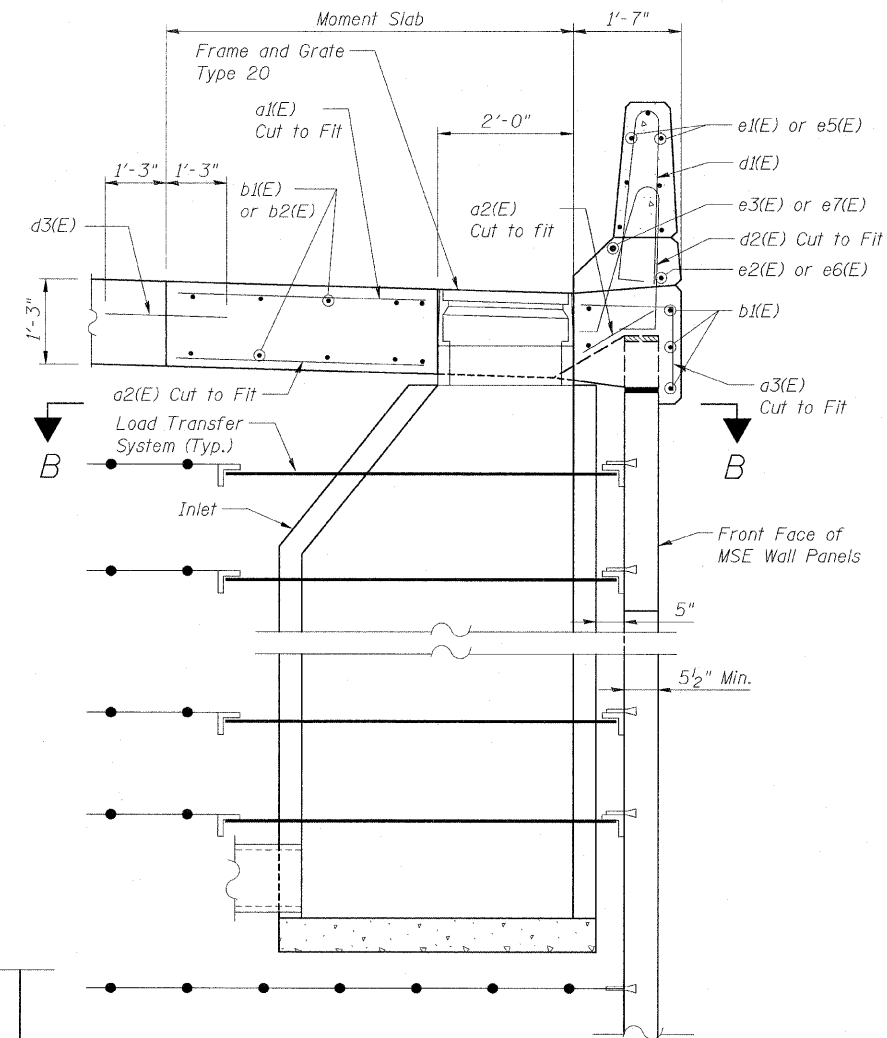
* The M.S.E. Wall supplier's internal stability design shall account for the anchorage slab's bearing pressure surcharge of 0.24 ksf and horizontal sliding force of 0.5 kips/ft. of wall.



DETAIL 1-MOMENT SLAB AND
 BARRIER AT CATCH BASIN

NOTES:

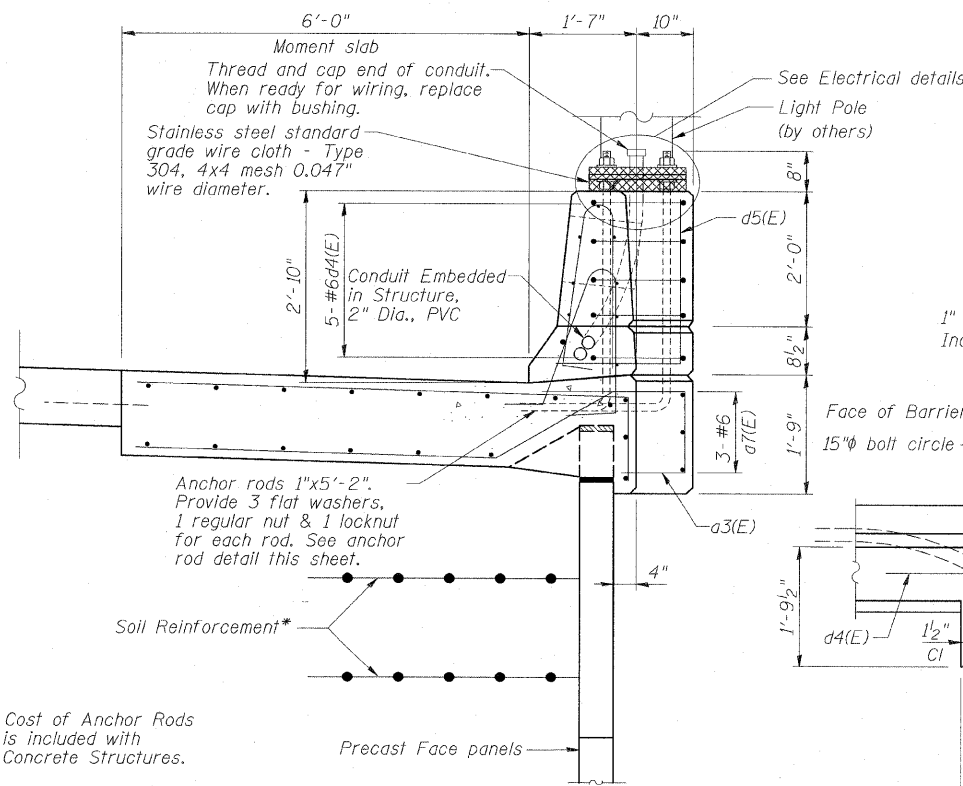
1. Provide minimum 2" clearance between reinforcing bars and Frame and Grate Type 20.



SECTION A-A
 Units 1, 4, 6 and 8

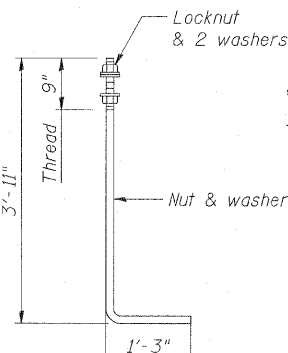
NOTES:

1. For General Notes, see Sheet SE2.
2. For Bar Bending Diagrams, see Sheet SE9.



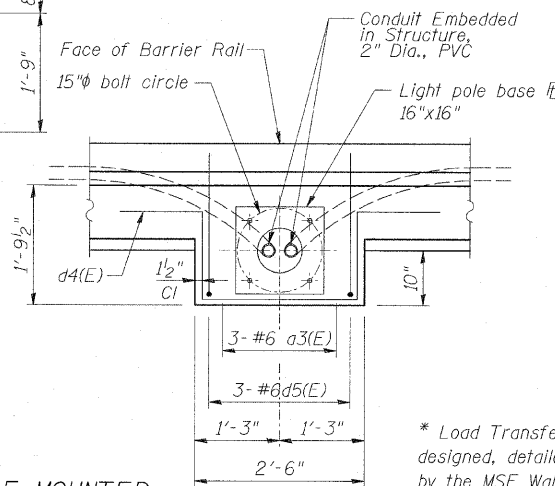
SECTION
 LIGHT POLE MOUNTED
 ON CONCRETE BARRIER RAIL

Note: Cost of Anchor Rods is included with Concrete Structures.



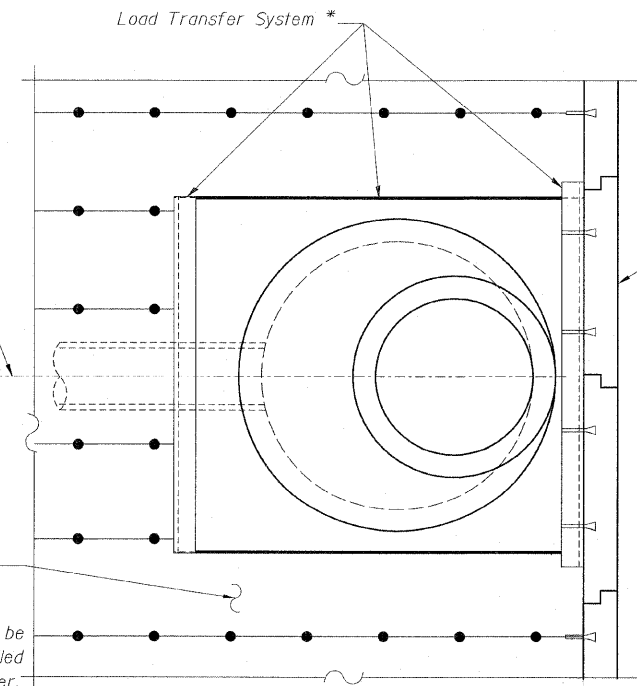
ANCHOR ROD

1" Diameter (ASTM F 1554 Grade 105)
 Included in the cost of Concrete Structures.



PLAN

* Load Transfer System to be designed, detailed and installed by the MSE Wall Manufacturer. Submit plans to the Engineer for review and approval.



SECTION B-B

REVISIONS	
NAME	DATE

F.A.P. ROUTE 307 ILLINOIS ROUTE 64
 (NORTH AVENUE)
 OVER E.J.&E. AND U.P. R.R.
 MOMENT SLAB DETAILS
 AT DRAINAGE STRUCTURE
 STRUCTURE NUMBER 022-W030
 FAP 307 SECTION 130 R-2
 DUPAGE COUNTY
 STA. 3359+16.23 TO 3366+75.00
 SCALE: None DRAWN BY: MRK
 DATE: NOVEMBER 1, 2011 CHECKED BY: MJP

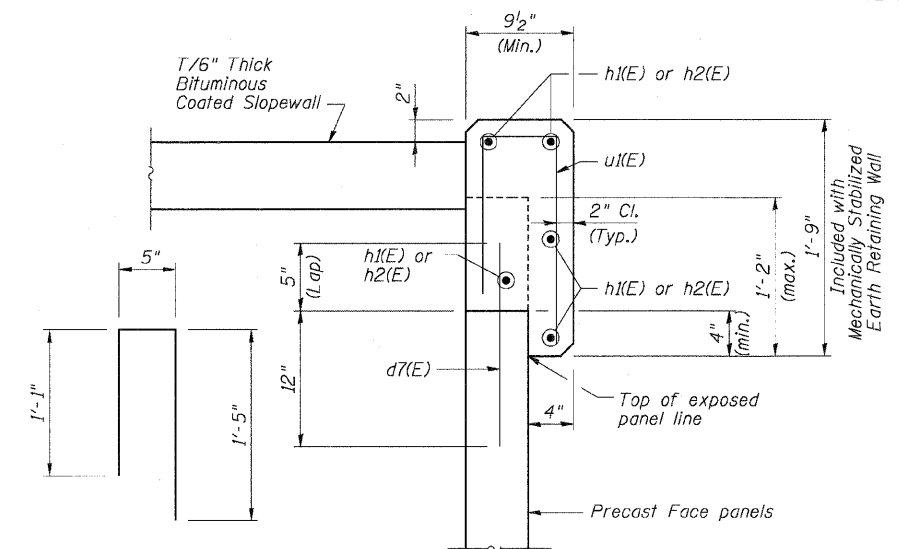
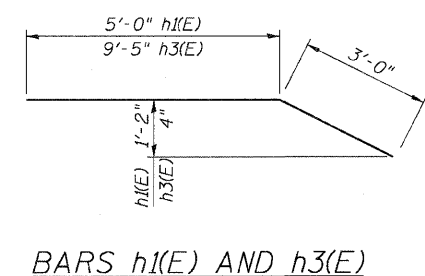
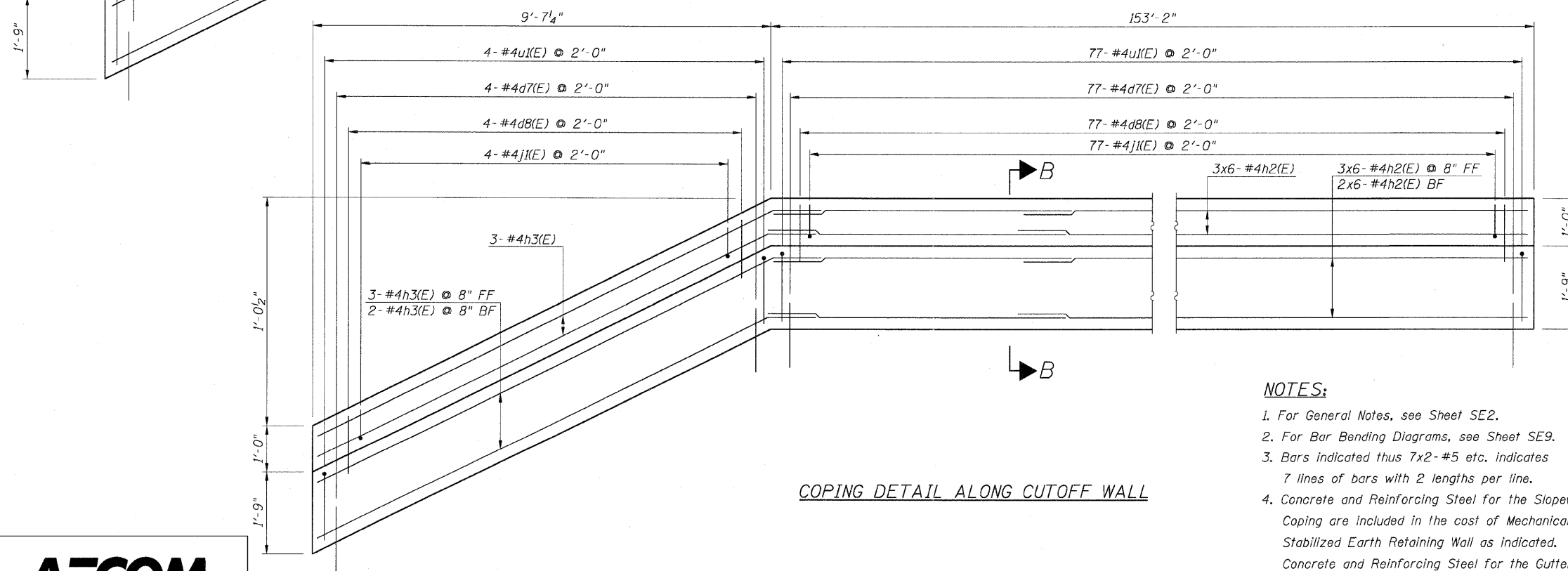
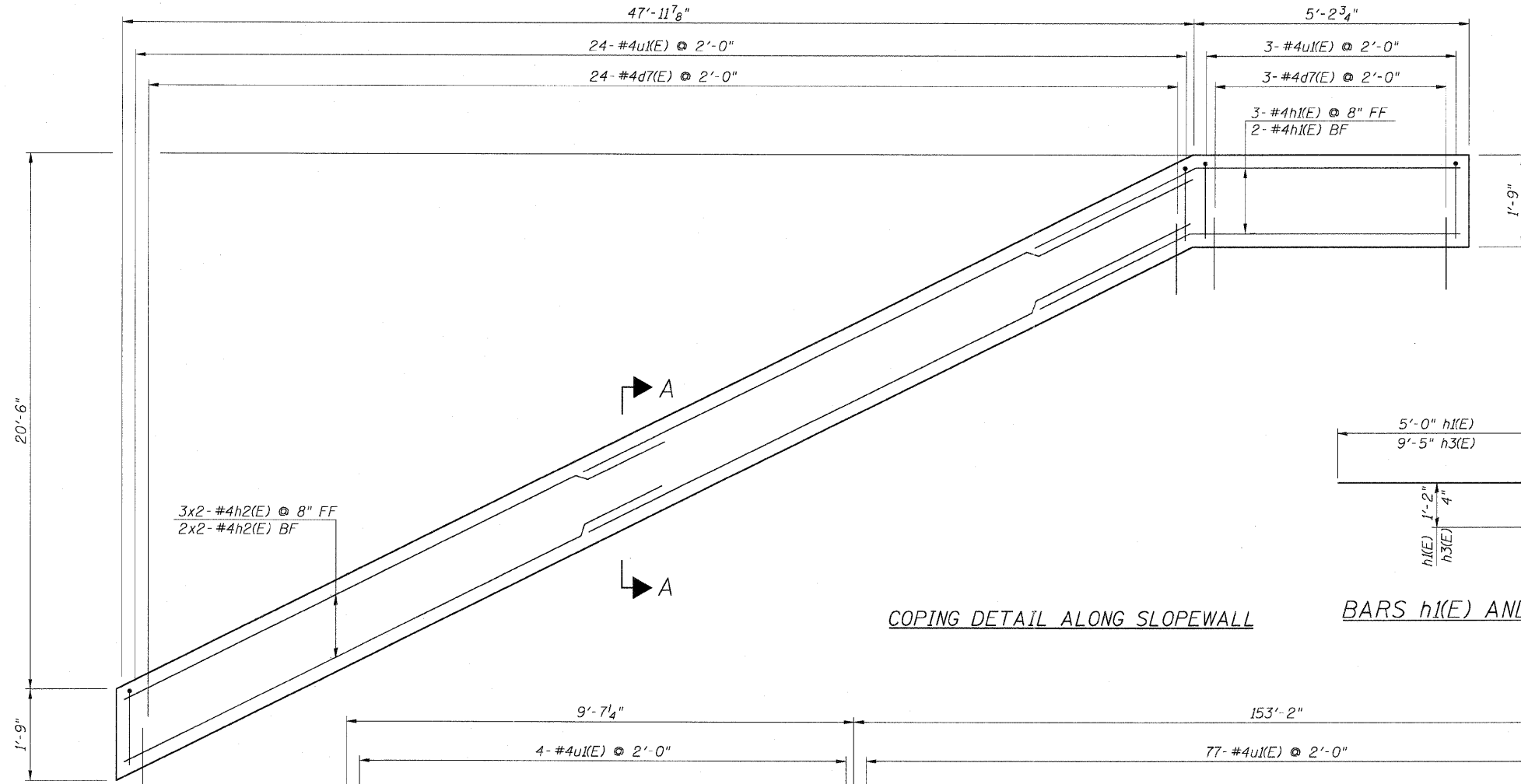
Sheet SE7 of 9



STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

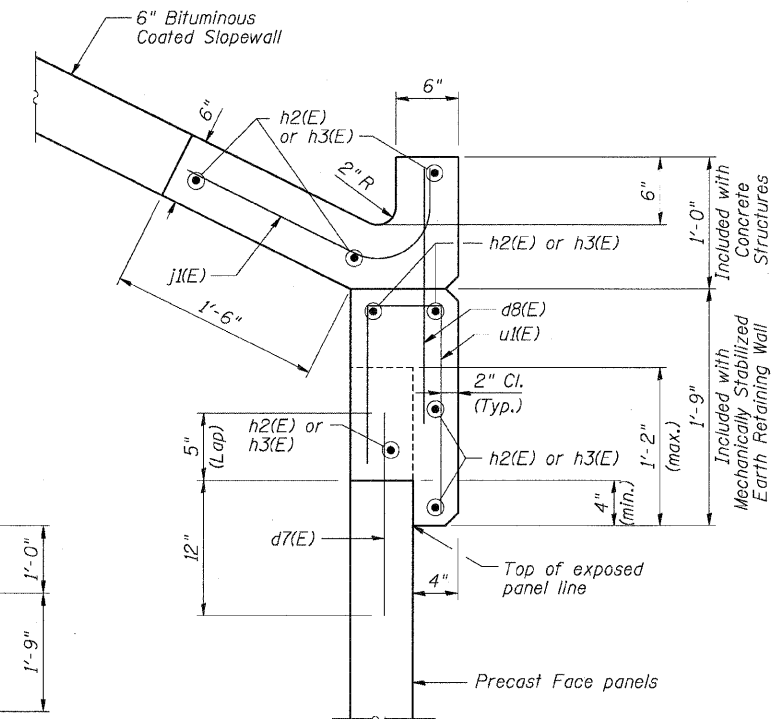
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	532
STA. 3356+37.74 TO STA. 3359+24.72				
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	

62410



BAR u1(E)

SECTION A-A



SECTION B-B

- NOTES:**
1. For General Notes, see Sheet SE2.
 2. For Bar Bending Diagrams, see Sheet SE9.
 3. Bars indicated thus 7x2-#5 etc. indicates 7 lines of bars with 2 lengths per line.
 4. Concrete and Reinforcing Steel for the Slopewall Coping are included in the cost of Mechanically Stabilized Earth Retaining Wall as indicated. Concrete and Reinforcing Steel for the Gutter will be paid for separately.

REVISIONS	
NAME	DATE

Sheet SE8 of 9

F.A.P. ROUTE 307 ILLINOIS ROUTE 64
 (NORTH AVENUE)
 OVER E.J.&E. AND U.P. R.R.
 COPING DETAILS

STRUCTURE NUMBER 022-W030
 FAP 307 SECTION 130 R-2
 DUPAGE COUNTY
 STA. 3359+16.23 TO 3366+75.00
 SCALE: None
 DATE: MAY 13, 2011

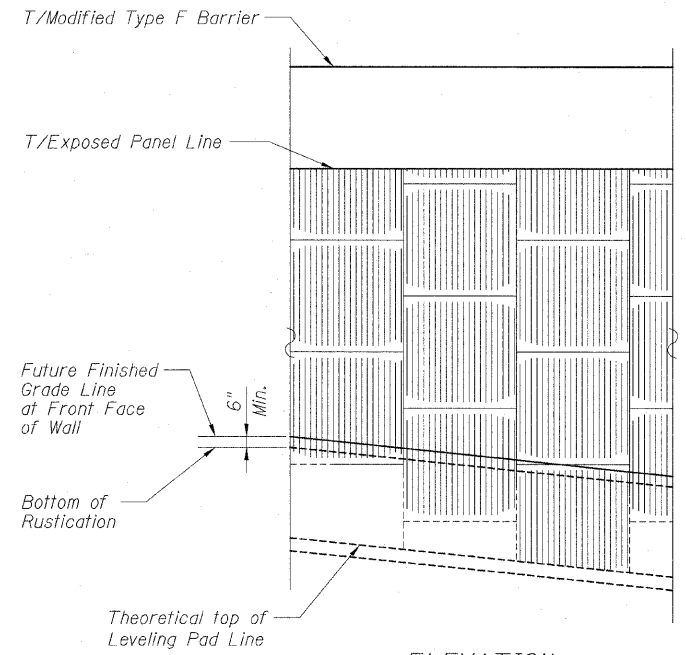
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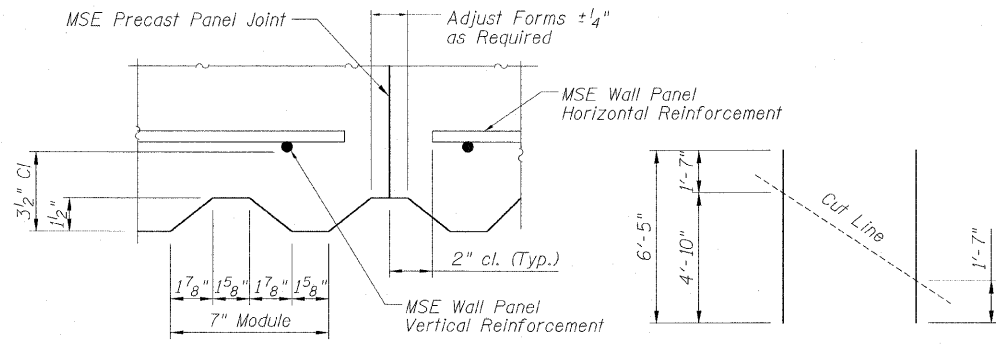
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	533
STA. 3356+37.74		TO STA. 3359+24.72		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

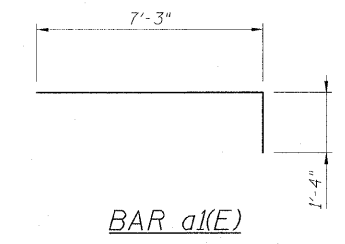
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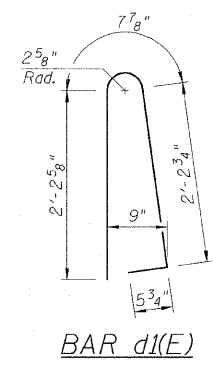
ELEVATION
 TYPICAL ARCHITECTURAL FINISH



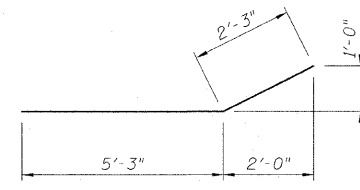
MSE WALL PANEL FLUTE DETAIL
 Full Height of Wall
 CUTTING DIAGRAM
 BAR d6(E)



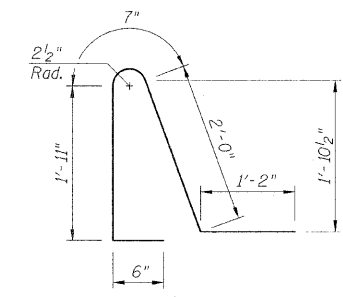
BAR a1(E)



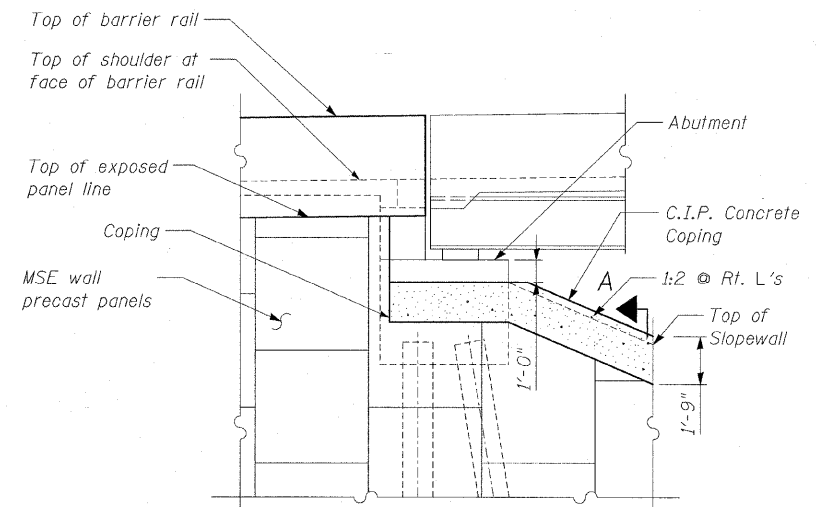
BAR d1(E)



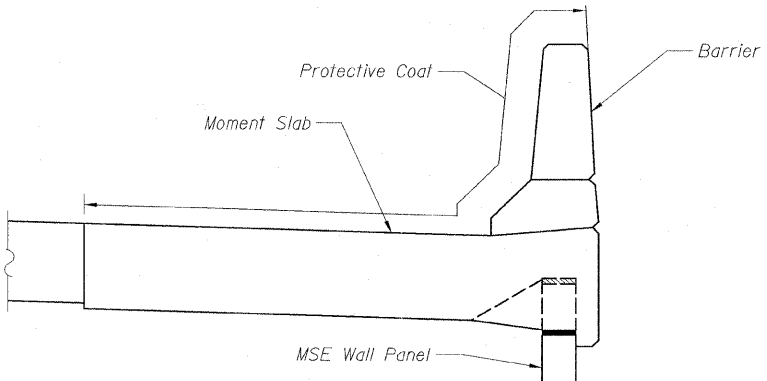
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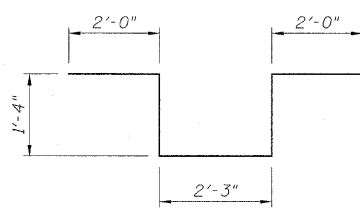
BAR d2(E)



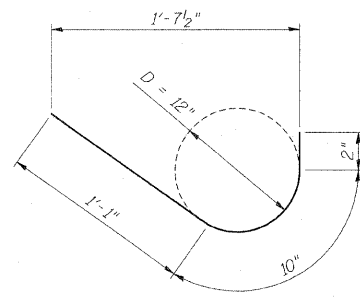
DETAIL 1
 (Looking North)



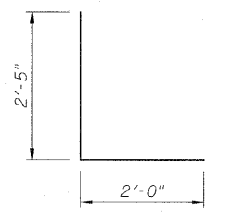
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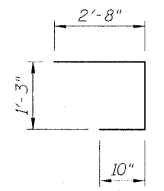
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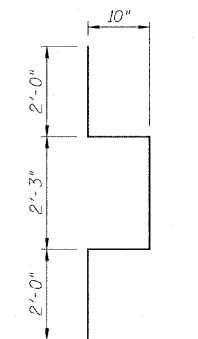
BAR j1(E)



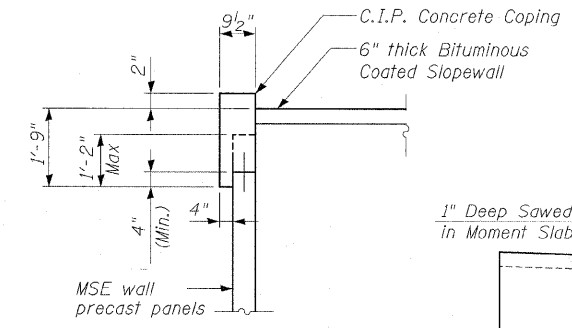
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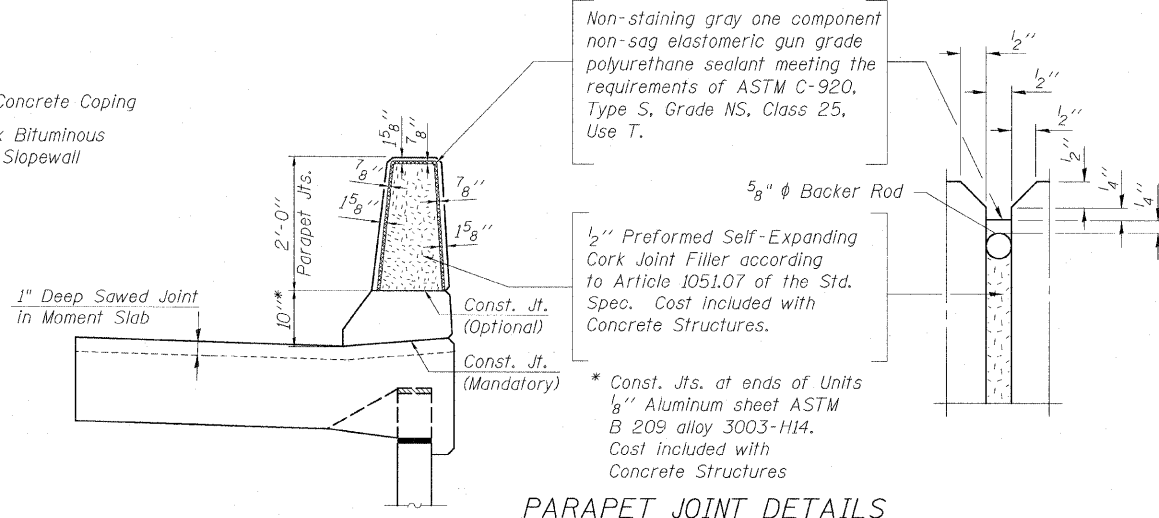
BAR a3(E)



BAR a7(E)



SECTION A-A

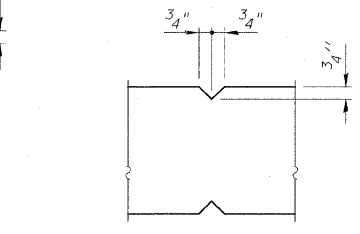


PARAPET JOINT DETAILS

Non-staining gray one component non-sag elastomeric gun grade polyurethane sealant meeting the requirements of ASTM C-920, Type S, Grade NS, Class 25, Use T.

1/2" Preformed Self-Expanding Cork Joint Filler according to Article 1051.07 of the Std. Spec. Cost included with Concrete Structures.

* Const. Jts. at ends of Units 1/8" Aluminum sheet ASTM B 209 alloy 3003-H14. Cost included with Concrete Structures



3/4" V-GROOVED JOINT DETAIL

NOTES:
 1. For General Notes, see Sheet SE2.

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a1(E)	1013	#5	8'-7"	
a2(E)	1013	#5	7'-6"	
a3(E)	9	#6	4'-9"	
a4(E)	64	#5	4'-8"	
a5(E)	2	#5	6'-6"	
a7(E)	9	#6	7'-11"	
b1(E)	374	#5	33'-8"	
b2(E)	17	#5	23'-7"	
d1(E)	1017	#5	5'-7"	
d2(E)	1017	#5	6'-2"	
d3(E)	340	#6	2'-6"	
d4(E)	15	#6	8'-11"	
d5(E)	9	#6	4'-5"	
d8(E)	81	#4	1'-5"	
e1(E)	154	#4	29'-6"	
e2(E)	22	#4	32'-1"	
e3(E)	22	#8	34'-5"	
e5(E)	7	#4	15'-1"	
e6(E)	1	#4	16'-6"	
e7(E)	1	#8	17'-7"	
h2(E)	18	#4	27'-8"	
h3(E)	3	#4	12'-5"	
j1(E)	81	#4	2'-1"	
Item	Unit	Quantity		
Reinforcement Bars, Epoxy Coated	Pound	51,110		



Sheet SE9 of 9

REVISIONS

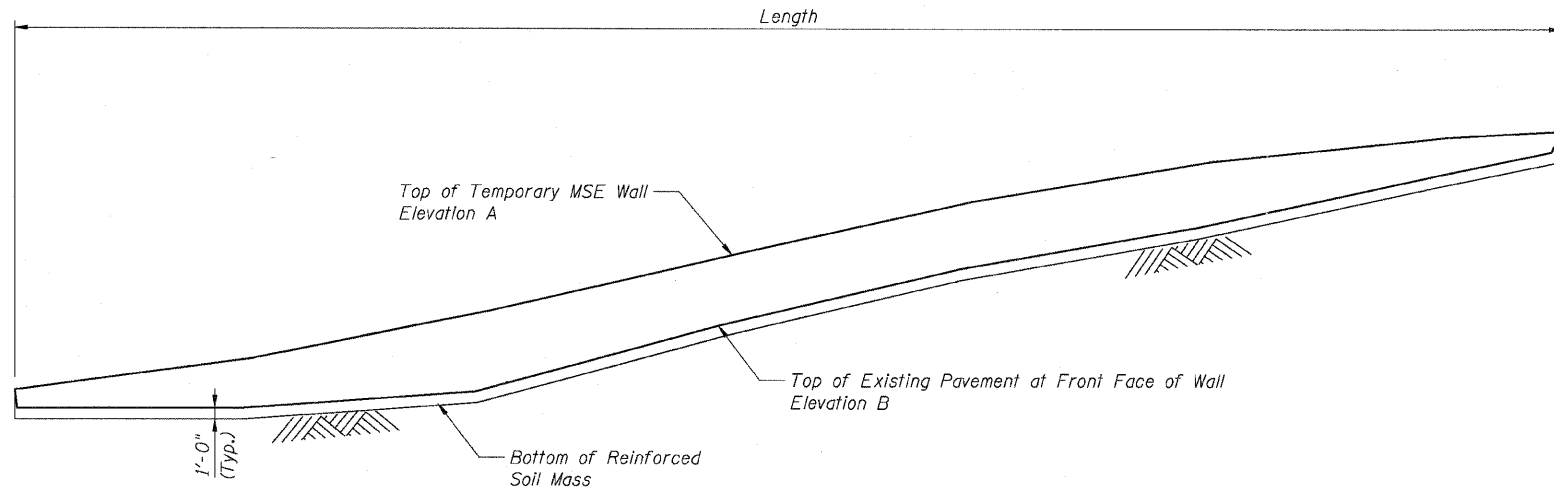
NAME	DATE

F.A.P. ROUTE 307 ILLINOIS ROUTE 64 (NORTH AVENUE) OVER E.J.&E. AND U.P. R.R. REINFORCEMENT DETAILS AND BILL OF MATERIAL STRUCTURE NUMBER 022-W030 FAP 307 SECTION 130 R-2 DUPAGE COUNTY STA. 3349+70.04 TO 3356+08.49 SCALE: None DRAWN BY: MRK DATE: NOVEMBER 1, 2011 CHECKED BY: MJP

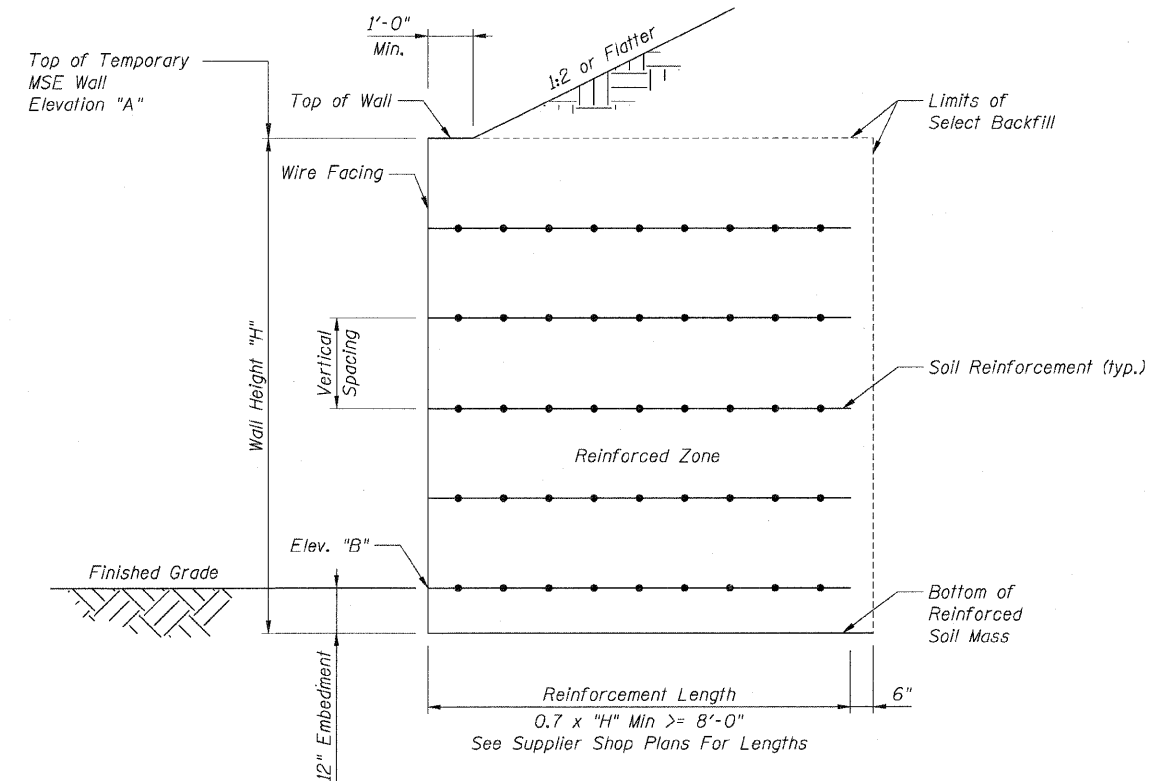
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	534
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

62410



TYPICAL ELEVATION - TEMPORARY MSE WALL
 Looking North at Northwest and Southwest Walls.
 Looking South at Northeast and Southeast Walls.



TYPICAL SECTION - TEMPORARY MSE WALL

BILL OF MATERIAL

Item	Unit	Quantity
Temporary Mechanically Stabilized Earth Retaining Wall	Sq Ft	8,060

NOTES:

- For horizontal location of Temporary MSE Walls see Sheets MOT-1-04 & MOT-1-05
- The Wall Supplier shall be responsible for all internal stability aspects of the Wall design.
 Nominal Bearing Resistance = 1.5 tsf
 Unfactored Horizontal Sliding Force:
 Northwest = 2.0 tons/ft Northeast = 3.5 tons/ft
 Southwest = 1.7 tons/ft Southeast = 2.5 tons/ft

Wall Northwest of Bridge			Wall Southwest of Bridge			Wall Northeast of Bridge			Wall Southeast of Bridge		
Station	Elev "A"	Elev "B"	Station	Elev "A"	Elev "B"	Station	Elev "A"	Elev "B"	Station	Elev "A"	Elev "B"
3348+00.00	759.29	759.29	3348+00.00	759.44	759.44	3361+00.00	783.45	778.32	3363+00.00	777.40	770.32
3348+02.50	759.37	758.51	3348+03.00	759.54	758.57	3362+00.00	780.78	774.16	3364+00.00	773.31	766.34
3349+00.00	762.62	760.38	3349+00.00	762.62	760.61	3363+00.00	777.40	770.18	3365+00.00	769.15	764.05
3350+00.00	766.69	763.06	3350+00.00	766.69	763.50	3364+00.00	773.31	766.50	3366+00.00	765.69	760.48
3351+00.00	771.15	767.93	3351+00.00	771.15	768.16	3365+00.00	769.15	762.76	3367+00.00	762.93	760.15
3352+00.00	775.51	772.45	3352+00.00	775.51	772.32	3366+00.00	765.69	761.75	3367+97.50	760.93	760.04
3353+00.00	779.23	776.26	3353+00.00	779.23	776.37	3367+00.00	762.93	760.48	3368+00.00	760.88	760.88
3354+00.00	782.24	780.54	3354+00.00	782.24	780.49	3367+95.00	760.98	759.33			
3354+47.00	783.41	782.48	3354+47.00	783.41	782.50	3368+00.00	760.88	760.88			
3354+50.00	783.48	783.48	3354+50.00	783.48	783.48						

Sheet TSI of 2



REVISIONS	
NAME	DATE

F.A.P. ROUTE 307 ILLINOIS ROUTE 64
 (NORTH AVENUE)
 OVER E.J.&E. AND U.P. R.R.
 TEMPORARY MSE WALLS

FAP 307 SECTION 130 R-2
 DUPAGE COUNTY

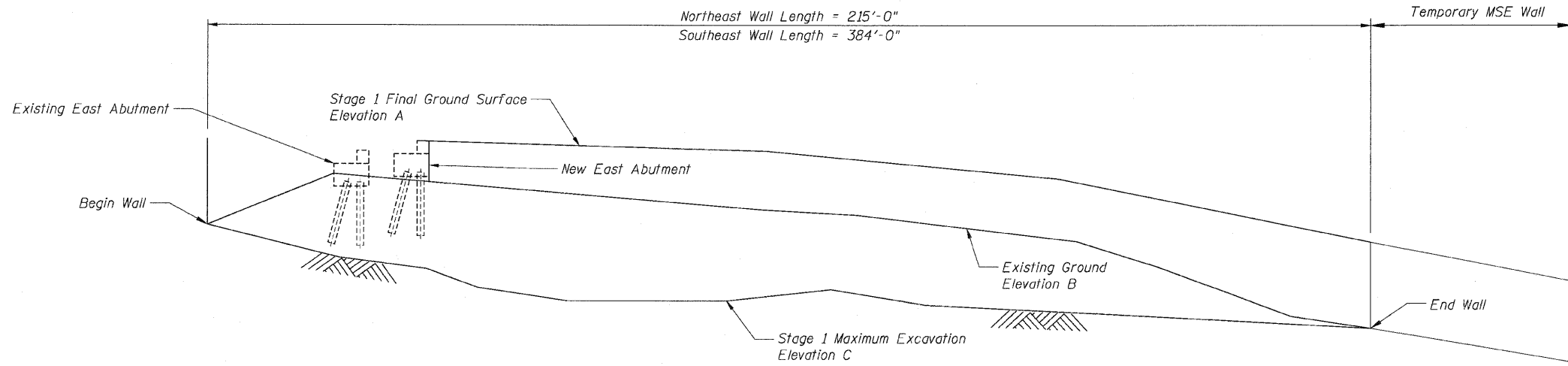
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DRAWN BY: MRK
 CHECKED BY: MJP

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	535
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

62410



TYPICAL ELEVATION - TEMPORARY SOIL RETENTION SYSTEM
 Looking North

Wall Northeast of Bridge						Wall Southeast of Bridge					
Note	Station	Offset	Elev "A"	Elev "B"	Elev "C"	Note	Station	Offset	Elev "A"	Elev "B"	Elev "C"
Begin Wall	3358+85	32'-7" (Lt.)	790.45	782.64	782.64	Begin Wall	3359+16	32'-7" (Rt.)	--	771.78	771.78
	3358+90	32'-7" (Lt.)	790.42	785.52	781.03	Back E. Abut	3359+47.42	32'-7" (Rt.)	789.88	783.51	769.63
	3358+95	32'-7" (Lt.)	790.37	785.53	778.94	Angle Point	3359+77.41	26'-6" (Rt.)	789.53	783.27	772.42
	3359+00	32'-7" (Lt.)	790.33	785.45	778.08		3360+00	26'-6" (Rt.)	789.17	782.17	771.91
Back E. Abut	3359+14.55	32'-7" (Lt.)	790.16	785.07	777.95		3361+00	26'-6" (Rt.)	787.22	778.35	770.13
	3359+35	28'-5" (Lt.)	790.03	784.91	777.95		3362+00	26'-6" (Rt.)	784.55	774.06	770.02
Angle Point	3359+44.55	26'-6" (Lt.)	789.97	784.55	779.06	End Wall	3363+00	26'-6" (Rt.)	780.92	770.04	770.04
	3360+00	26'-6" (Lt.)	789.18	782.19	777.71						
End Wall	3361+00	26'-6" (Lt.)	787.22	778.25	778.25						

Stations and Offset are measured from the \varnothing IL Rte 64 to the inside face (closer to \varnothing IL Rte 64) of the Temporary Soil Retention System.

NOTES:

- A cantilevered sheet piling design does not appear feasible and additional members or other retention systems may be necessary. The Contractor shall submit a temporary soil retention system design including plan details and calculations for review and acceptance by the Engineer.
- For locations of Temporary Soil Retention see Sheets NE1 and SE1.
- The quantity of Temporary Soil Retention System is calculated between Elevation "A" and Elevation "C" behind the Abutment. The quantity of Temporary Soil Retention System is calculated between Elevation "B" and Elevation "C" in front of the Abutment.

Sheet TS2 of 2



REVISIONS		NAME	DATE
NO.	DESCRIPTION		

F.A.P. ROUTE 307 ILLINOIS ROUTE 64 (NORTH AVENUE) OVER E.J.&E. AND U.P. R.R. TEMPORARY SOIL RETENTION SYSTEM

FAP 307 SECTION 130 R-2 DUPAGE COUNTY

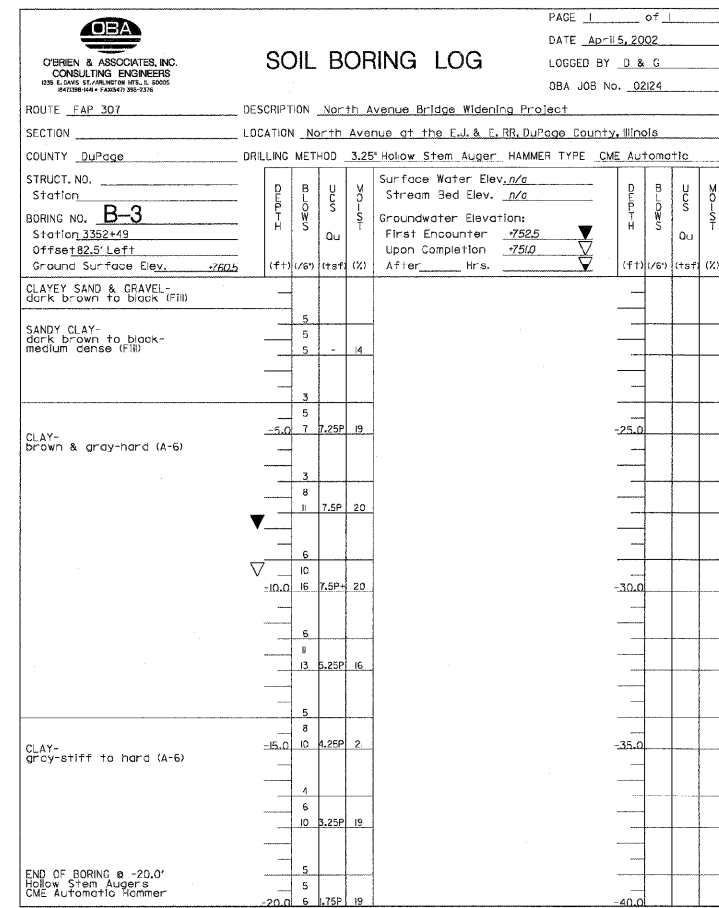
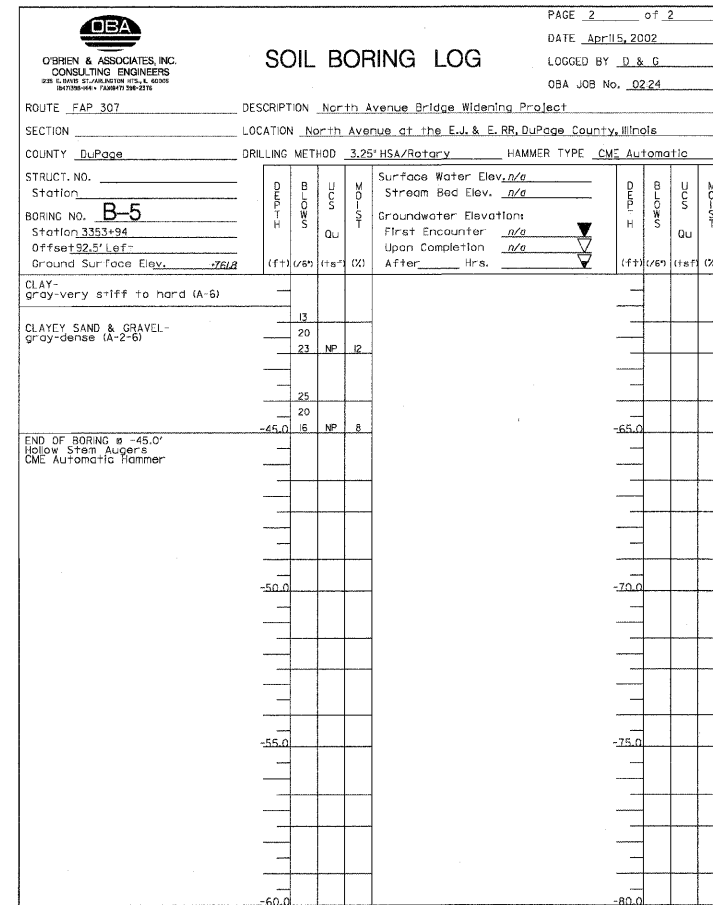
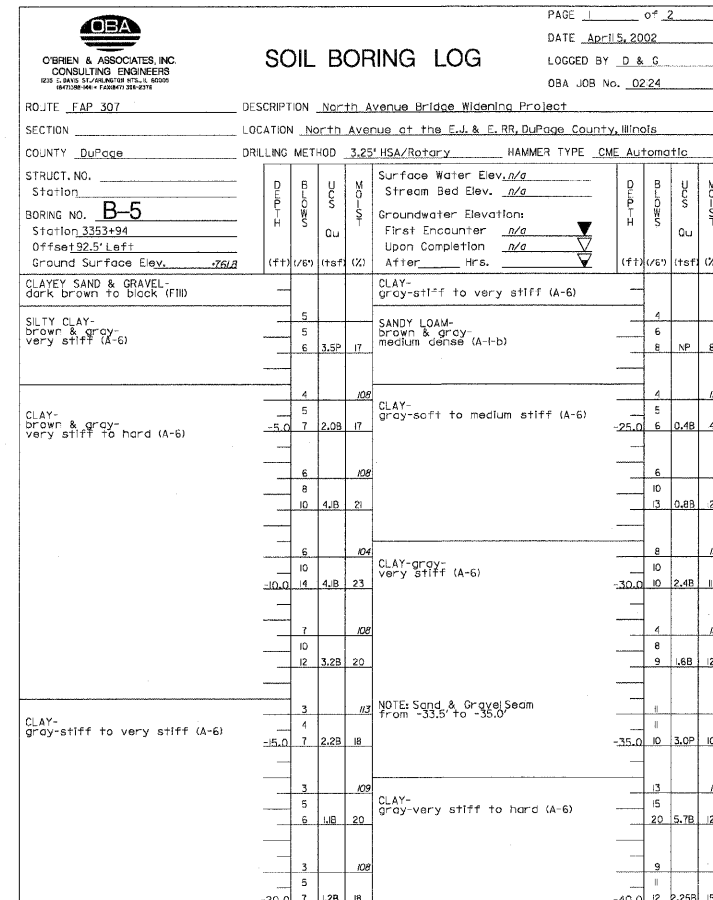
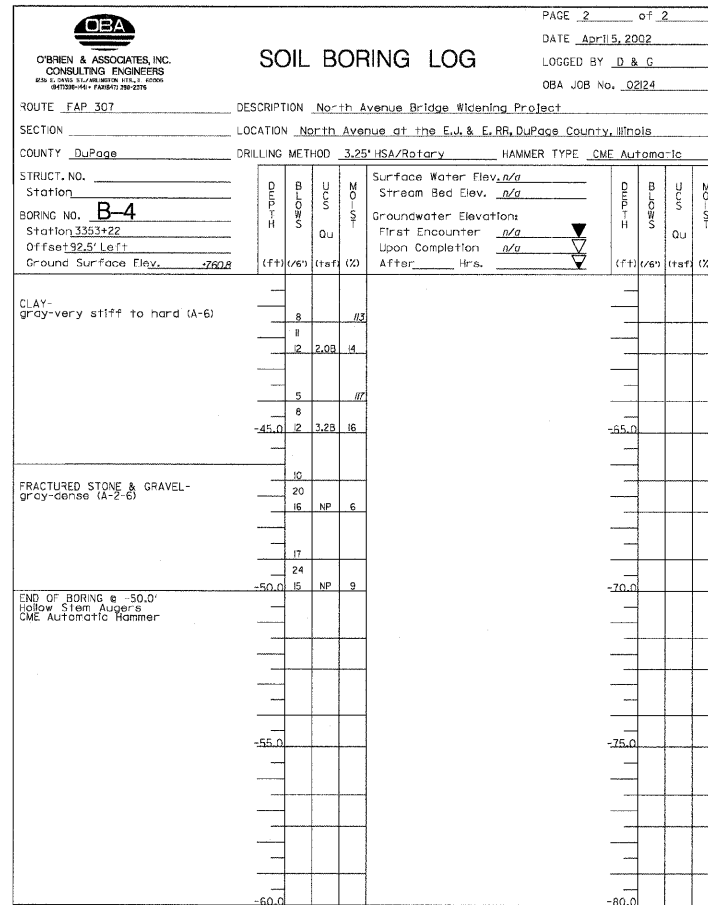
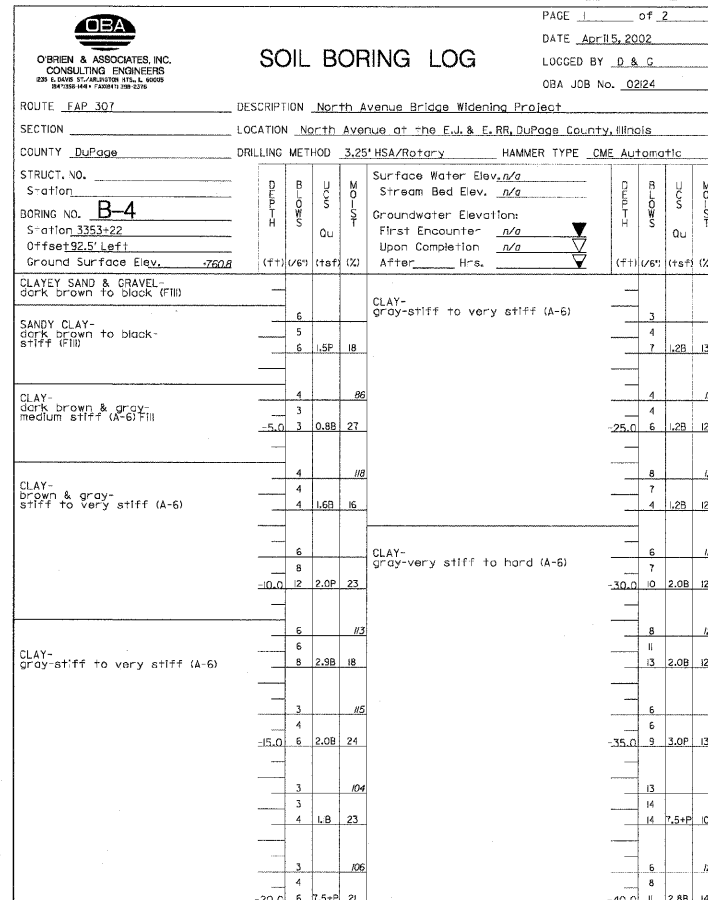
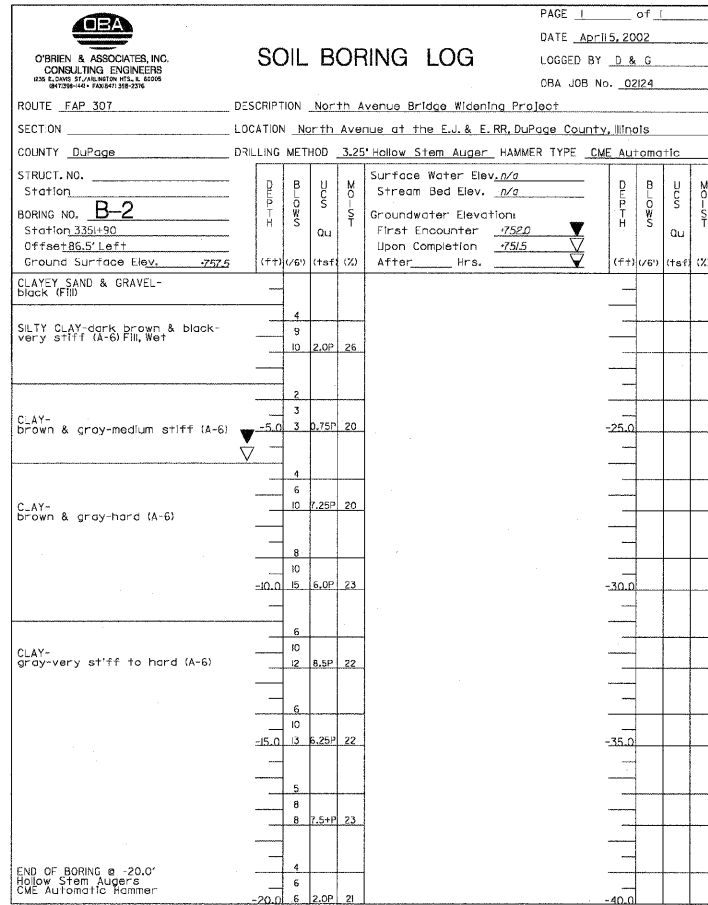
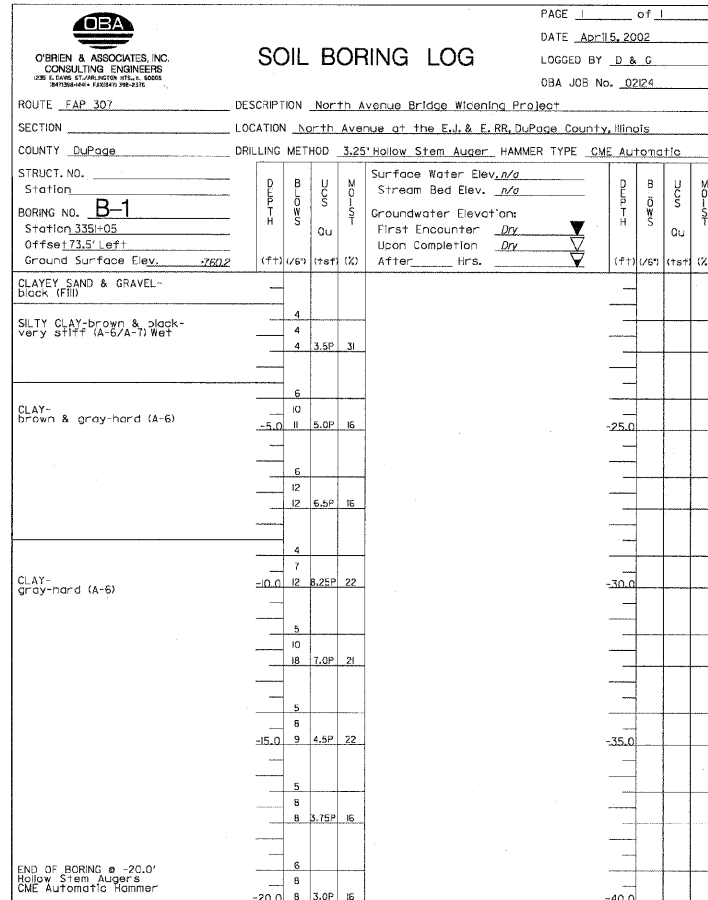
SCALE: None
 DATE: MAY 13, 2011

DRAWN BY: MRK
 CHECKED BY: MJP

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE,KANE	647	536
STA. 3356+37.74		TO STA. 3359+24.72		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

62410



NOTES:

1. For General Notes, see Sheet NW2.
2. For Boring locations, see Sheet NW1.
3. The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample VS=Vane Shear Test

The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

The Unit Dry Weight (pcf) is noted in *italics* above moist (%)

NR-No Recovery

AECOM

Sheet SBI of 10

REVISIONS	NAME	DATE

F.A.P. ROUTE 307 ILLINOIS ROUTE 64 (NORTH AVENUE) OVER E.J.&E. AND U.P. R.R. SOIL BORING LOGS

STRUCTURE NUMBER 022-W027
 FAP 307 SECTION 130 R-2
 DUPAGE COUNTY
 STA. 3349+70.04 TO 3356+08.49
 SCALE: None
 DATE: MAY 13, 2011

DRAWN BY: MRK
 CHECKED BY: RDP

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. SECTION COUNTY TOTAL SHEET SHEET NO. 307 130 R-2 DUPAGE,KANE 647 537
STA. 3356+37.74 TO STA. 3359+24.72
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

SOIL BORING LOG. OBA. O'BRIEN & ASSOCIATES, INC. CONSULTING ENGINEERS. ROUTE FAP 307 DESCRIPTION North Avenue Bridge Widening Project. SECTION LOCATION North Avenue at the E.J. & E. RR, DuPage County, Illinois. COUNTY DuPage DRILLING METHOD 3.25' HSA/Rotary HAMMER TYPE CME Automatic. BORING NO. B-6 Station 3354+69. Ground Surface Elev. -762.5'. SOIL PROFILES: CLAY brown (FIII) 5 14; CLAY brown & gray stiff to very stiff (A-6) 5.2, 6.3, 6.6, 8.1, 9.2, 10.0, 10.3, 10.6, 10.9, 11.0, 11.3, 11.6, 11.9, 12.0, 12.3; CLAY gray stiff to very stiff (A-6) 12.4, 12.7, 13.0, 13.3, 13.6, 13.9, 14.2, 14.5, 14.8, 15.1, 15.4, 15.7, 16.0.

SOIL BORING LOG. OBA. O'BRIEN & ASSOCIATES, INC. CONSULTING ENGINEERS. ROUTE FAP 307 DESCRIPTION North Avenue Bridge Widening Project. SECTION LOCATION North Avenue at the E.J. & E. RR, DuPage County, Illinois. COUNTY DuPage DRILLING METHOD 3.25' HSA/Rotary HAMMER TYPE CME Automatic. BORING NO. B-7 Station 3355+41. Ground Surface Elev. -762.8'. SOIL PROFILES: CLAY gray soft (A-6) 4 19; CLAY brown & gray very stiff to hard (A-6) 4.5, 5.0, 5.5, 6.0, 6.5, 7.0, 7.5, 8.0, 8.5, 9.0, 9.5, 10.0, 10.5, 11.0, 11.5, 12.0, 12.5, 13.0, 13.5, 14.0, 14.5, 15.0, 15.5, 16.0; CLAY LOAM gray stiff to very stiff (A-6) 16.5, 17.0, 17.5, 18.0, 18.5, 19.0, 19.5, 20.0, 20.5, 21.0, 21.5, 22.0, 22.5, 23.0, 23.5, 24.0, 24.5, 25.0, 25.5, 26.0, 26.5, 27.0, 27.5, 28.0, 28.5, 29.0, 29.5, 30.0, 30.5, 31.0, 31.5, 32.0, 32.5, 33.0, 33.5, 34.0, 34.5, 35.0, 35.5, 36.0, 36.5, 37.0, 37.5, 38.0, 38.5, 39.0, 39.5, 40.0, 40.5, 41.0, 41.5, 42.0, 42.5, 43.0, 43.5, 44.0, 44.5, 45.0, 45.5, 46.0, 46.5, 47.0, 47.5, 48.0, 48.5, 49.0, 49.5, 50.0.

SOIL BORING LOG. OBA. O'BRIEN & ASSOCIATES, INC. CONSULTING ENGINEERS. ROUTE FAP 307 DESCRIPTION North Avenue Bridge Widening Project. SECTION LOCATION North Avenue at the E.J. & E. RR, DuPage County, Illinois. COUNTY DuPage DRILLING METHOD 3.25' HSA/Rotary HAMMER TYPE CME Automatic. BORING NO. B-8 Station 3355+91. Ground Surface Elev. -762.8'. SOIL PROFILES: SILTY CLAY dark brown (FIII) 4 19; CLAY brown & gray very stiff (A-6) 4.5, 5.0, 5.5, 6.0, 6.5, 7.0, 7.5, 8.0, 8.5, 9.0, 9.5, 10.0, 10.5, 11.0, 11.5, 12.0, 12.5, 13.0, 13.5, 14.0, 14.5, 15.0, 15.5, 16.0; CLAY gray stiff to hard (A-6) 16.5, 17.0, 17.5, 18.0, 18.5, 19.0, 19.5, 20.0, 20.5, 21.0, 21.5, 22.0, 22.5, 23.0, 23.5, 24.0, 24.5, 25.0, 25.5, 26.0, 26.5, 27.0, 27.5, 28.0, 28.5, 29.0, 29.5, 30.0, 30.5, 31.0, 31.5, 32.0, 32.5, 33.0, 33.5, 34.0, 34.5, 35.0, 35.5, 36.0, 36.5, 37.0, 37.5, 38.0, 38.5, 39.0, 39.5, 40.0, 40.5, 41.0, 41.5, 42.0, 42.5, 43.0, 43.5, 44.0, 44.5, 45.0, 45.5, 46.0, 46.5, 47.0, 47.5, 48.0, 48.5, 49.0, 49.5, 50.0.

SOIL BORING LOG. OBA. O'BRIEN & ASSOCIATES, INC. CONSULTING ENGINEERS. ROUTE FAP 307 DESCRIPTION North Avenue Bridge Widening Project. SECTION LOCATION North Avenue at the E.J. & E. RR, DuPage County, Illinois. COUNTY DuPage DRILLING METHOD 3.25' HSA/Rotary HAMMER TYPE CME Automatic. BORING NO. B-6 Station 3354+69. Ground Surface Elev. -762.5'. SOIL PROFILES: CLAY gray very stiff to hard (A-6) 29; CLAY SAND & GRAVEL gray dense to very dense (A-2-4) 24 NP 6; END OF BORING @ -45.0' Hollow Stem Augers CME Automatic Hammer.

SOIL BORING LOG. OBA. O'BRIEN & ASSOCIATES, INC. CONSULTING ENGINEERS. ROUTE FAP 307 DESCRIPTION North Avenue Bridge Widening Project. SECTION LOCATION North Avenue at the E.J. & E. RR, DuPage County, Illinois. COUNTY DuPage DRILLING METHOD 3.25' HSA/Rotary HAMMER TYPE CME Automatic. BORING NO. B-7 Station 3355+41. Ground Surface Elev. -762.8'. SOIL PROFILES: SILTY LOAM gray medium dense (A-4) 26; SAND & GRAVEL gray very dense (A-1-b) 26, 28 NP 8; END OF BORING @ -47.5' Hollow Stem Augers CME Automatic Hammer.

SOIL BORING LOG. OBA. O'BRIEN & ASSOCIATES, INC. CONSULTING ENGINEERS. ROUTE FAP 307 DESCRIPTION North Avenue Bridge Widening Project. SECTION LOCATION North Avenue at the E.J. & E. RR, DuPage County, Illinois. COUNTY DuPage DRILLING METHOD 3.25' HSA/Rotary HAMMER TYPE CME Automatic. BORING NO. B-8 Station 3355+91. Ground Surface Elev. -762.8'. SOIL PROFILES: SAND & GRAVEL gray medium dense to very dense (A-2-6) 24; CLAY gray very stiff to hard (A-6) 24, 19, 25 NP 7; END OF BORING @ -70.0' Hollow Stem Augers CME Automatic Hammer.

NOTES:

- 1. For General Notes, see Sheet NW2.
 - 2. For Boring locations, see Sheet NW2.
 - 3. The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample VS-Vane Shear Test
- The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
- The Unit Dry Weight (pcf) is noted in italics above moist (%)
- NR-No Recovery

AECOM Sheet SB2 of 10

REVISIONS: NAME, DATE

F.A.P. ROUTE 307 ILLINOIS ROUTE 64 (NORTH AVENUE) OVER E.J.&E. AND U.P. R.R. SOIL BORING LOGS

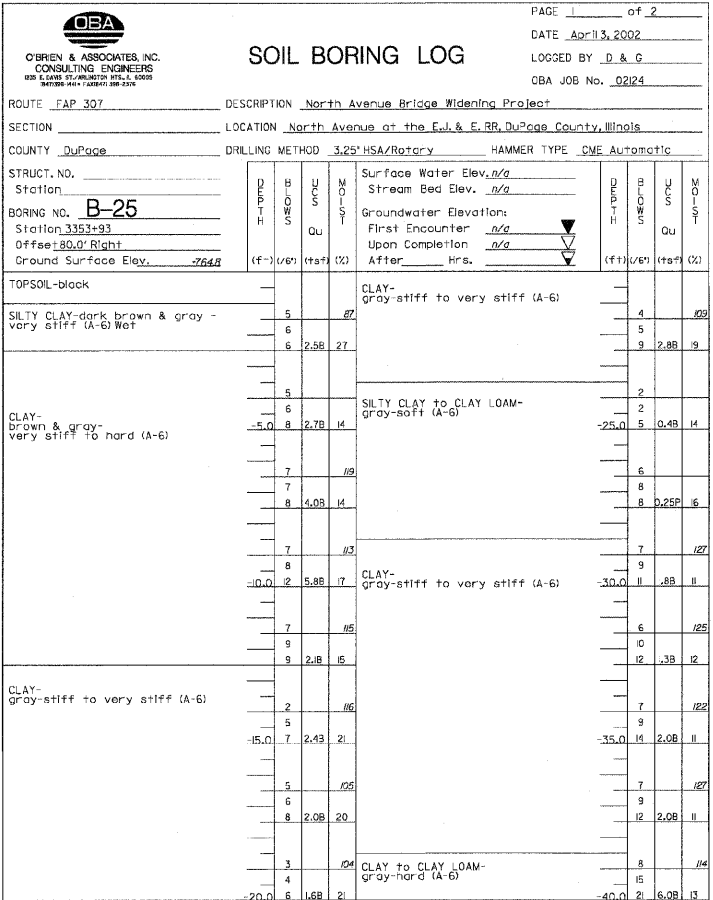
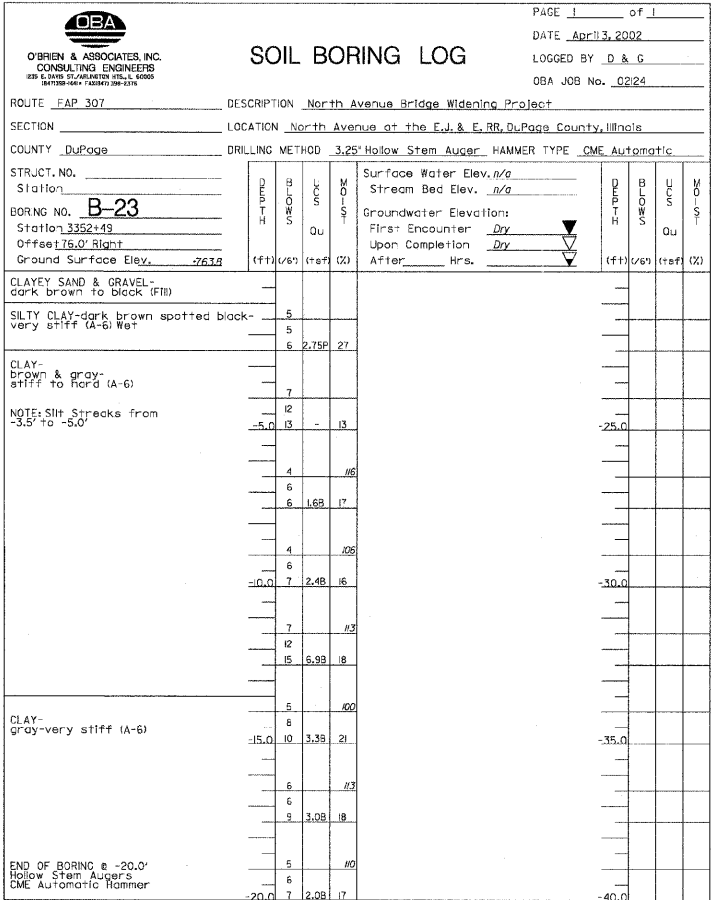
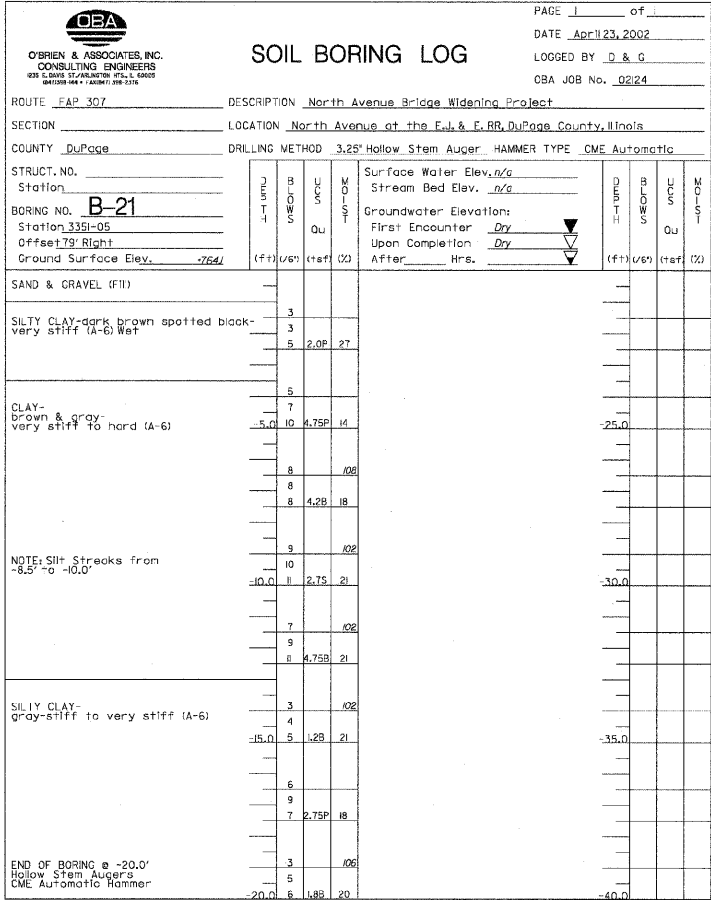
STRUCTURE NUMBER 022-W027 FAP 307 SECTION 130 R-2 DUPAGE COUNTY STA. 3349+70.04 TO 3356+08.49

SCALE: None DRAWN BY: MRK DATE: MAY 13, 2011 CHECKED BY: RDP

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	541
STA. 3356+37.74		TO STA. 3359+24.72		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

62410



STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SOIL BORING LOG
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 123 S. CAROL ST. PALM BEACH, FL 33480
 (561) 838-1144 FAX (561) 388-2374

PAGE 1 of 2
 DATE April 14, 2002
 LOGGED BY D & G
 OBA JOB No. 0224

ROUTE FAP 307 DESCRIPTION North Avenue Bridge Widening Project
 SECTION LOCATION North Avenue at the E.J. & E. RR, DuPage County, Illinois
 COUNTY DuPage DRILLING METHOD 3.25" HSA/Rotary HAMMER TYPE CME Automatic

STRUCT. NO. _____
 Station _____
 BORING NO. **B-27**
 Station 3356+14
 Offset 83.0' Right
 Ground Surface Elev. -756.4

DEPTH (ft)	SOIL DESCRIPTION	WATER ELEV. (ft)	TYPE	MARKING
0	Surface Water Elev. n/a			
0	Stream Bed Elev. n/a			
3	SANDY CLAY - brown & black (F8)			
4	SILT CLAY - dark brown - very stiff (A-6) F1			
5	CRUSHED STONE (F11)			
6	CLAY - brown & gray - very stiff to hard (A-6)			
7	CLAY - gray - stiff (A-6)			
8	CLAY - gray - stiff to hard (A-6)			
9	CLAY - gray - stiff (A-6)			
10	CLAY - gray - stiff to hard (A-6)			
11	CLAY - gray - stiff (A-6)			
12	CLAY - gray - stiff to hard (A-6)			
13	CLAY - gray - stiff (A-6)			
14	CLAY - gray - stiff (A-6)			
15	CLAY - gray - stiff (A-6)			
16	CLAY - gray - stiff (A-6)			
17	CLAY - gray - stiff (A-6)			
18	CLAY - gray - stiff (A-6)			
19	CLAY - gray - stiff (A-6)			
20	SANDY CLAY to CLAY - gray - medium stiff to stiff (A-6)			

Groundwater Elevations:
 First Encounter -767.9
 Upon Completion n/a
 After n/a

SOIL BORING LOG
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PAGE 1 of 2
 DATE April 12, 2002
 LOGGED BY D & G
 OBA JOB No. 0224

ROUTE FAP 307 DESCRIPTION North Avenue Bridge Widening Project
 SECTION LOCATION North Avenue at the E.J. & E. RR, DuPage County, Illinois
 COUNTY DuPage DRILLING METHOD 3.25" HSA/Rotary HAMMER TYPE CME Automatic

STRUCT. NO. _____
 Station _____
 BORING NO. **B-28**
 Station 3356+10
 Offset 88.0' Right
 Ground Surface Elev. -756.1

DEPTH (ft)	SOIL DESCRIPTION	WATER ELEV. (ft)	TYPE	MARKING
0	Surface Water Elev. n/a			
0	Stream Bed Elev. n/a			
12	CLAYEY SAND & STONE (F18)			
6	CLAY - gray - medium stiff to very stiff (A-6)			
4	CLAY - brown & gray - stiff to very stiff (A-6)			
6	SANDY CLAY to SANDY CLAY LOAM - gray - stiff (A-6)			
7	CLAY - gray - stiff (A-6)			
8	CLAY - gray - stiff (A-6)			
9	CLAY - gray - stiff (A-6)			
10	CLAY - gray - stiff (A-6)			
11	CLAY - gray - stiff (A-6)			
12	CLAY - gray - stiff (A-6)			
13	CLAY - gray - stiff (A-6)			
14	CLAY - gray - stiff (A-6)			
15	CLAY - gray - stiff (A-6)			
16	CLAY - gray - stiff (A-6)			
17	CLAY - gray - stiff (A-6)			
18	CLAY - gray - stiff (A-6)			
19	CLAY - gray - stiff (A-6)			
20	CLAY - gray - stiff (A-6)			

Groundwater Elevations:
 First Encounter n/a
 Upon Completion n/a
 After n/a

SOIL BORING LOG
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PAGE 1 of 2
 DATE January 6, 2003
 LOGGED BY RH
 OBA JOB No. 02335

ROUTE FAP 307 DESCRIPTION North Avenue Bridge Widening Project
 SECTION LOCATION North Avenue at the E.J. & E. RR, DuPage County, Illinois
 COUNTY DuPage DRILLING METHOD 3.25" HSA/Rotary HAMMER TYPE CME Automatic

STRUCT. NO. _____
 Station _____
 BORING NO. **B-29**
 Station 3356+82
 Offset 162' Right
 Ground Surface Elev. -756.1

DEPTH (ft)	SOIL DESCRIPTION	WATER ELEV. (ft)	TYPE	MARKING
0	Surface Water Elev. n/a			
0	Stream Bed Elev. n/a			
3	CLAY - gray - stiff to very stiff (A-6)			
4	CRUSHED STONE with Clay - 2" nominal aggregate size - very dense (F11)			
5	CLAY to CLAY LOAM - gray - medium stiff (A-6)			
6	CLAY - gray - very stiff (A-6)			
7	CLAY - gray - very stiff (A-6)			
8	CLAY - gray - very stiff (A-6)			
9	CLAY - gray - very stiff (A-6)			
10	CLAY - gray - very stiff (A-6)			
11	CLAY - gray - very stiff (A-6)			
12	CLAY - gray - very stiff (A-6)			
13	CLAY - gray - very stiff (A-6)			
14	CLAY - gray - very stiff (A-6)			
15	CLAY - gray - very stiff (A-6)			
16	CLAY - gray - very stiff (A-6)			
17	CLAY - gray - very stiff (A-6)			
18	CLAY - gray - very stiff (A-6)			
19	CLAY - gray - very stiff (A-6)			
20	SANDY CLAY LOAM - gray - dense (A-2-6)			

Groundwater Elevations:
 First Encounter -757.1WD
 Upon Completion n/a
 After n/a

SOIL BORING LOG
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PAGE 2 of 2
 DATE April 14, 2002
 LOGGED BY D & G
 OBA JOB No. 0224

ROUTE FAP 307 DESCRIPTION North Avenue Bridge Widening Project
 SECTION LOCATION North Avenue at the E.J. & E. RR, DuPage County, Illinois
 COUNTY DuPage DRILLING METHOD 3.25" HSA/Rotary HAMMER TYPE CME Automatic

STRUCT. NO. _____
 Station _____
 BORING NO. **B-27**
 Station 3356+14
 Offset 83.0' Right
 Ground Surface Elev. -756.4

DEPTH (ft)	SOIL DESCRIPTION	WATER ELEV. (ft)	TYPE	MARKING
10	CLAY - gray - very stiff to hard (A-6)			
11	CLAY - gray - very stiff to hard (A-6)			
12	CLAY - gray - very stiff to hard (A-6)			
13	CLAY - gray - very stiff to hard (A-6)			
14	CLAY - gray - very stiff to hard (A-6)			
15	CLAY - gray - very stiff to hard (A-6)			
16	CLAY - gray - very stiff to hard (A-6)			
17	CLAY - gray - very stiff to hard (A-6)			
18	CLAY - gray - very stiff to hard (A-6)			
19	CLAY - gray - very stiff to hard (A-6)			
20	CLAY - gray - very stiff to hard (A-6)			
21	CLAY - gray - very stiff to hard (A-6)			
22	CLAY - gray - very stiff to hard (A-6)			
23	CLAY - gray - very stiff to hard (A-6)			
24	CLAY - gray - very stiff to hard (A-6)			
25	CLAY - gray - very stiff to hard (A-6)			
26	CLAY - gray - very stiff to hard (A-6)			
27	CLAY - gray - very stiff to hard (A-6)			
28	CLAY - gray - very stiff to hard (A-6)			
29	CLAY - gray - very stiff to hard (A-6)			
30	CLAY - gray - very stiff to hard (A-6)			
31	CLAY - gray - very stiff to hard (A-6)			
32	CLAY - gray - very stiff to hard (A-6)			
33	CLAY - gray - very stiff to hard (A-6)			
34	CLAY - gray - very stiff to hard (A-6)			
35	CLAY - gray - very stiff to hard (A-6)			
36	CLAY - gray - very stiff to hard (A-6)			
37	CLAY - gray - very stiff to hard (A-6)			
38	CLAY - gray - very stiff to hard (A-6)			
39	CLAY - gray - very stiff to hard (A-6)			
40	CLAY - gray - very stiff to hard (A-6)			
41	CLAY - gray - very stiff to hard (A-6)			
42	CLAY - gray - very stiff to hard (A-6)			
43	CLAY - gray - very stiff to hard (A-6)			
44	CLAY - gray - very stiff to hard (A-6)			
45	CLAY - gray - very stiff to hard (A-6)			
46	CLAY - gray - very stiff to hard (A-6)			
47	CLAY - gray - very stiff to hard (A-6)			
48	CLAY - gray - very stiff to hard (A-6)			
49	CLAY - gray - very stiff to hard (A-6)			
50	CLAY - gray - very stiff to hard (A-6)			

Groundwater Elevations:
 First Encounter -757.9
 Upon Completion n/a
 After n/a

END OF BORING @ -52.5' Below Stem Auger's CME Automatic Hammer

SOIL BORING LOG
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PAGE 2 of 2
 DATE April 12, 2002
 LOGGED BY D & G
 OBA JOB No. 0224

ROUTE FAP 307 DESCRIPTION North Avenue Bridge Widening Project
 SECTION LOCATION North Avenue at the E.J. & E. RR, DuPage County, Illinois
 COUNTY DuPage DRILLING METHOD 3.25" HSA/Rotary HAMMER TYPE CME Automatic

STRUCT. NO. _____
 Station _____
 BORING NO. **B-28**
 Station 3356+10
 Offset 88.0' Right
 Ground Surface Elev. -756.1

DEPTH (ft)	SOIL DESCRIPTION	WATER ELEV. (ft)	TYPE	MARKING
9	CLAY - gray - hard (A-6)			
24	CLAYEY SAND, GRAVEL & FRACTURED STONE - gray - medium dense to very dense (A-2-6)			
17	CLAY - gray - very stiff (A-6)			
12	CLAY - gray - very stiff (A-6)			
15	CLAY - gray - very stiff (A-6)			
17	CLAY - gray - very stiff (A-6)			
14	CLAY - gray - very stiff (A-6)			
18	CLAY - gray - very stiff (A-6)			
19	CLAY - gray - very stiff (A-6)			
20	CLAY - gray - very stiff (A-6)			
21	CLAY - gray - very stiff (A-6)			
22	CLAY - gray - very stiff (A-6)			
23	CLAY - gray - very stiff (A-6)			
24	CLAY - gray - very stiff (A-6)			
25	CLAY - gray - very stiff (A-6)			
26	CLAY - gray - very stiff (A-6)			
27	CLAY - gray - very stiff (A-6)			
28	CLAY - gray - very stiff (A-6)			
29	CLAY - gray - very stiff (A-6)			
30	CLAY - gray - very stiff (A-6)			
31	CLAY - gray - very stiff (A-6)			
32	CLAY - gray - very stiff (A-6)			
33	CLAY - gray - very stiff (A-6)			
34	CLAY - gray - very stiff (A-6)			
35	CLAY - gray - very stiff (A-6)			
36	CLAY - gray - very stiff (A-6)			
37	CLAY - gray - very stiff (A-6)			
38	CLAY - gray - very stiff (A-6)			
39	CLAY - gray - very stiff (A-6)			
40	CLAY - gray - very stiff (A-6)			
41	CLAY - gray - very stiff (A-6)			
42	CLAY - gray - very stiff (A-6)			
43	CLAY - gray - very stiff (A-6)			
44	CLAY - gray - very stiff (A-6)			
45	CLAY - gray - very stiff (A-6)			
46	CLAY - gray - very stiff (A-6)			
47	CLAY - gray - very stiff (A-6)			
48	CLAY - gray - very stiff (A-6)			
49	CLAY - gray - very stiff (A-6)			
50	CLAY - gray - very stiff (A-6)			

Groundwater Elevations:
 First Encounter n/a
 Upon Completion n/a
 After n/a

END OF BORING @ -75.0' Below Stem Auger's CME Automatic Hammer

SOIL BORING LOG
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 CONSULTING ENGINEERS
 123 S. CAROL ST. PALM BEACH, FL 33480
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PAGE 2 of 2
 DATE January 6, 2003
 LOGGED BY RH
 OBA JOB No. 02335

ROUTE FAP 307 DESCRIPTION North Avenue Bridge Widening Project
 SECTION LOCATION North Avenue at the E.J. & E. RR, DuPage County, Illinois
 COUNTY DuPage DRILLING METHOD 3.25" HSA/Rotary HAMMER TYPE CME Automatic

STRUCT. NO. _____
 Station _____
 BORING NO. **B-29**
 Station 3356+82
 Offset 162' Right
 Ground Surface Elev. -756.1

DEPTH (ft)	SOIL DESCRIPTION	WATER ELEV. (ft)	TYPE	MARKING
12	SANDY CLAY LOAM - gray - dense (A-2-6)			
18	SAND & GRAVEL - gray - dense to very dense (A-1)			
24	SAND & GRAVEL - gray - dense to very dense (A-1)			
11	CLAY - gray - very stiff (A-6)			
17	CLAY - gray - very stiff (A-6)			
14	CLAY - gray - very stiff (A-6)			
15	CLAY - gray - very stiff (A-6)			
23	CLAY - gray - very stiff (A-6)			
24	CLAY - gray - very stiff (A-6)			
28	CLAY - gray - very stiff (A-6)			
14	CLAY - gray - very stiff (A-6)			
15	CLAY - gray - very stiff (A-6)			
23	CLAY - gray - very stiff (A-6)			
29	CLAY - gray - very stiff (A-6)			
32	CLAY - gray - very stiff (A-6)			
23	CLAY - gray - very stiff (A-6)			
28	CLAY - gray - very stiff (A-6)			
29	CLAY - gray - very stiff (A-6)			
32	CLAY - gray - very stiff (A-6)			
23	CLAY - gray - very stiff (A-6)			
28	CLAY - gray - very stiff (A-6)			
29	CLAY - gray - very stiff (A-6)			
32	CLAY - gray - very stiff (A-6)			
23	CLAY - gray - very stiff (A-6)			
28	CLAY - gray - very stiff (A-6)			
29	CLAY - gray - very stiff (A-6)			
32	CLAY - gray - very stiff (A-6)			
23	CLAY - gray - very stiff (A-6)			
28	CLAY - gray - very stiff (A-6)			
29	CLAY - gray - very stiff (A-6)			
32	CLAY - gray - very stiff (A-6)			
23	CLAY - gray - very stiff (A-6)			
28	CLAY - gray - very stiff (A-6)			
29	CLAY - gray - very stiff (A-6)			
32	CLAY - gray - very stiff (A-6)			
23	CLAY - gray - very stiff (A-6)			
28	CLAY - gray - very stiff (A-6)			
29	CLAY - gray - very stiff (A-6)			
32	CLAY - gray - very stiff (A-6)			

Groundwater Elevations:
 First Encounter -757.1WD
 Upon Completion n/a
 After n/a

END OF BORING @ -52.5' Below Stem Auger's CME Automatic Hammer

NOTES:

- For General Notes, see Sheet SW2.
- For Boring locations, see Sheet SW2.
- The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample VS-Vane Shear Test

The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

The Unit Dry Weight (pcf) is noted in *italics* above moist (%)

NR-No Recovery

AECOM
 Sheet SBT of 10

REVISIONS

NAME	DATE

F.A.P. ROUTE 307 ILLINOIS ROUTE 64 (NORTH AVENUE) OVER E.J. & E. AND U.P. R.R. SOIL BORING LOGS

STRUCTURE NUMBER 022-W029
 FAP 307 SECTION 130 R-2
 DUPAGE COUNTY
 STA. 3350+69.00 TO 3356+80.01

SCALE: None DRAWN BY: MRK
 DATE: MAY 13, 2011 CHECKED BY: RDP

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

Table with project details: F.A.P. RTE. 307, SECTION 130 R-2, COUNTY DUPAGE, KANE, TOTAL SHEETS 647, SHEET NO. 543, STA. 3356+37.74 TO STA. 3359+24.72, FED. ROAD DIST. NO. ILLINOIS, FED. AID PROJECT.

62410

SOIL BORING LOG for Boring B-31. Includes header with OBA logo, project details, and a data table with columns for depth (ft), blow count (blows/ft), and soil description (e.g., SANDY TOPSOIL-black, SILTY CLAY to CLAY-brown & gray spotted black-stiff to very stiff (A-6) Fill).

SOIL BORING LOG for Boring B-32. Includes header with OBA logo, project details, and a data table with columns for depth (ft), blow count (blows/ft), and soil description (e.g., SANDY TOPSOIL-black (F11), SILTY LOAM-gray-medium dense (A-4), CLAY-dark brown spotted black-hard (A-6) Fill).

SOIL BORING LOG for Boring B-33. Includes header with OBA logo, project details, and a data table with columns for depth (ft), blow count (blows/ft), and soil description (e.g., SANDY TOPSOIL-black (F11), SILTY CLAY to CLAY-brown & gray stiff to hard (A-6) Fill).

SOIL BORING LOG for Boring B-31 (continued). Includes header with OBA logo, project details, and a data table with columns for depth (ft), blow count (blows/ft), and soil description (e.g., CLAY-gray-stiff to very stiff (A-6), CLAYEY SAND & GRAVEL-gray-medium dense to dense (A-2-6)).

SOIL BORING LOG for Boring B-32 (continued). Includes header with OBA logo, project details, and a data table with columns for depth (ft), blow count (blows/ft), and soil description (e.g., SAND, GRAVEL & FRACTURED STONE-gray-medium dense to very dense (A-2), CLAY-gray-very stiff (A-6)).

SOIL BORING LOG for Boring B-33 (continued). Includes header with OBA logo, project details, and a data table with columns for depth (ft), blow count (blows/ft), and soil description (e.g., SAND, GRAVEL & FRACTURED STONE-gray-medium dense to very dense (A-2), CLAY-gray-stiff (A-6)).

NOTES: 1. For General Notes, see Sheet SE2. 2. For Boring locations, see Sheet SE1. 3. The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample VS=Vane Shear Test. The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206). The Unit Dry Weight (pcf) is noted in italics above moist (2). NR-No Recovery.

AECOM logo and project information: REVISIONS table, F.A.P. ROUTE 307 ILLINOIS ROUTE 64 (NORTH AVENUE) OVER E.J.&E. AND U.P. R.R. SOIL BORING LOGS, STRUCTURE NUMBER 022-W030 FAP 307 SECTION 130 R-2 DUPAGE COUNTY STA. 3359+16.23 TO 3366+75.00, SCALE: None, DATE: MAY 13, 2011, DRAWN BY: MRK, CHECKED BY: RDP.

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SOIL BORING LOG PAGE 1 of 2 DATE April 8, 2002 LOGGED BY D & G OBA JOB No. 02124 DESCRIPTION North Avenue Bridge Widening Project LOCATION North Avenue at the E.J. & F. RR, DuPage County, Illinois DRILLING METHOD 3.25" HSA/Rotary HAMMER TYPE CME Automatic BORING NO. B-34 Station 3362+58

SOIL BORING LOG PAGE 1 of 2 DATE April 9, 2002 LOGGED BY D & G OBA JOB No. 02124 DESCRIPTION North Avenue Bridge Widening Project LOCATION North Avenue at the E.J. & F. RR, DuPage County, Illinois DRILLING METHOD 3.25" HSA/Rotary HAMMER TYPE CME Automatic BORING NO. B-35 Station 3362+30

SOIL BORING LOG PAGE 1 of 2 DATE April 8, 2002 LOGGED BY D & G OBA JOB No. 02124 DESCRIPTION North Avenue Bridge Widening Project LOCATION North Avenue at the E.J. & F. RR, DuPage County, Illinois DRILLING METHOD 3.25" HSA/Rotary HAMMER TYPE CME Automatic BORING NO. B-36 Station 3363+05

SOIL BORING LOG PAGE 1 of 1 DATE April 15, 2002 LOGGED BY D & G OBA JOB No. 02124 DESCRIPTION North Avenue Bridge Widening Project LOCATION North Avenue at the E.J. & F. RR, DuPage County, Illinois DRILLING METHOD 3.25" Hollow Stem Auger HAMMER TYPE CME Automatic BORING NO. B-37 Station 3363+78

SOIL BORING LOG PAGE 2 of 2 DATE April 19, 2002 LOGGED BY D & G OBA JOB No. 02124 DESCRIPTION North Avenue Bridge Widening Project LOCATION North Avenue at the E.J. & F. RR, DuPage County, Illinois DRILLING METHOD 3.25" HSA/Rotary HAMMER TYPE CME Automatic BORING NO. B-34 Station 3361+58

SOIL BORING LOG PAGE 2 of 2 DATE April 19, 2002 LOGGED BY D & G OBA JOB No. 02124 DESCRIPTION North Avenue Bridge Widening Project LOCATION North Avenue at the E.J. & F. RR, DuPage County, Illinois DRILLING METHOD 3.25" HSA/Rotary HAMMER TYPE CME Automatic BORING NO. B-35 Station 3362+30

SOIL BORING LOG PAGE 2 of 2 DATE April 8, 2002 LOGGED BY D & G OBA JOB No. 02124 DESCRIPTION North Avenue Bridge Widening Project LOCATION North Avenue at the E.J. & F. RR, DuPage County, Illinois DRILLING METHOD 3.25" HSA/Rotary HAMMER TYPE CME Automatic BORING NO. B-36 Station 3363+05

NOTES:

- 1. For General Notes, see Sheet SE2.
2. For Boring locations, see Sheets SE1 and SE2.
3. The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample VS-Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR-No Recovery



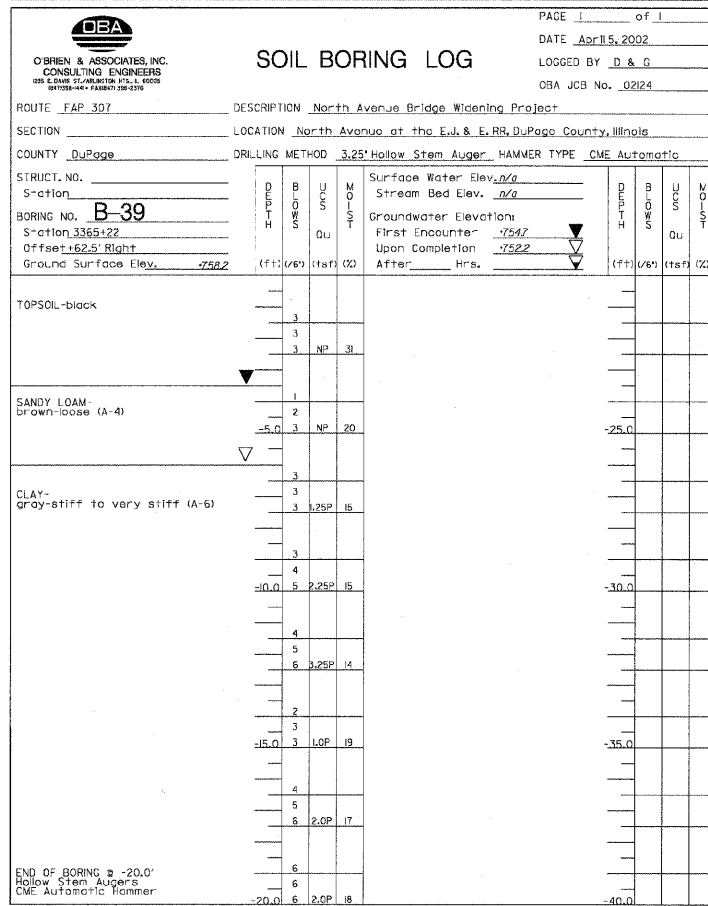
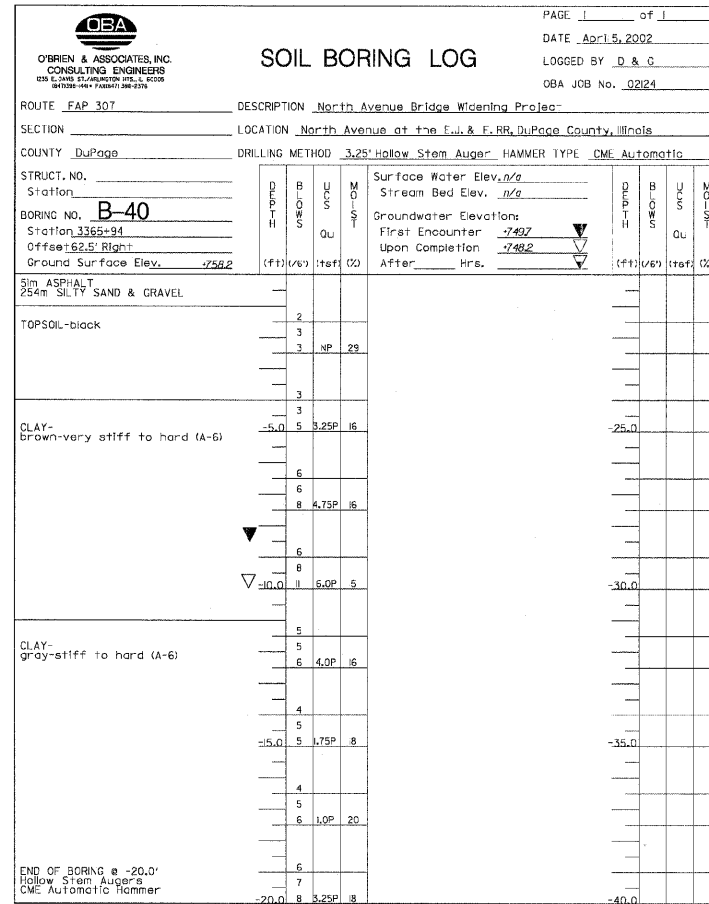
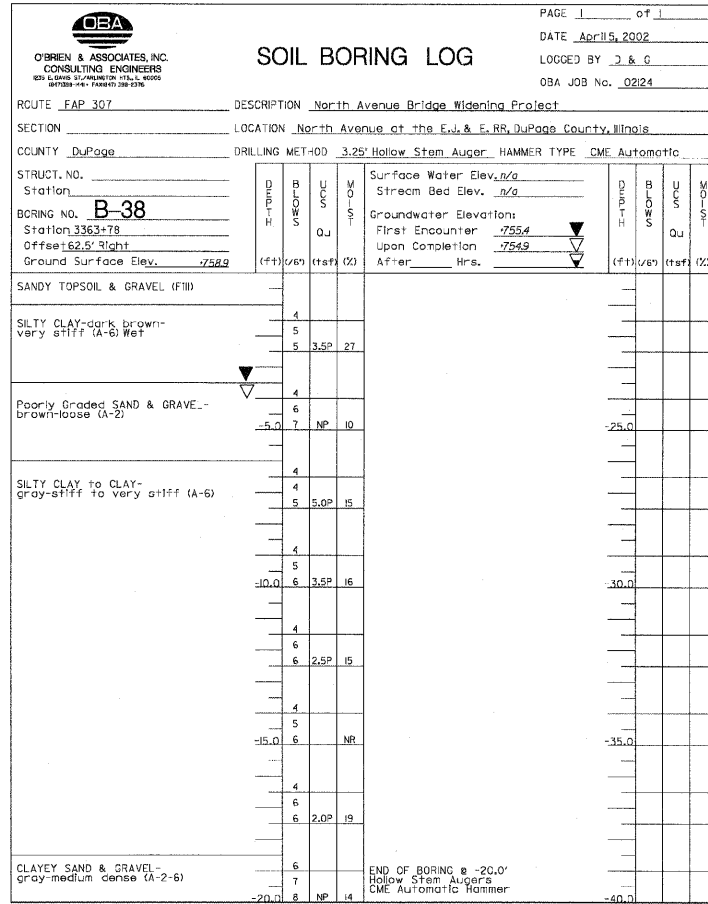
Sheet SB9 of 10

Table with REVISIONS columns (NAME, DATE) and project details including F.A.P. ROUTE 307 ILLINOIS ROUTE 64 OVER E.J.&E. AND U.P. R.R. SOIL BORING LOGS, SCALE: None, DATE: MAY 13, 2011, DRAWN BY: MRK, CHECKED BY: RDP

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	545
STA. 3356+37.74		TO STA. 3359+24.72		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

62410



- NOTES:**
- For General Notes, see Sheet SE2.
 - For Boring locations, see Sheet SE2.
 - The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample VS-Vane Shear Test
 The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
 The Unit Dry Weight (pcf) is noted in italics above moist (%)
 NR-No Recovery

AECOM

Sheet SB10 of 10

REVISIONS	
NAME	DATE

F.A.P. ROUTE 307 ILLINOIS ROUTE 64
 (NORTH AVENUE)
 OVER E.J.&E. AND U.P. R.R.
 SOIL BORING LOGS

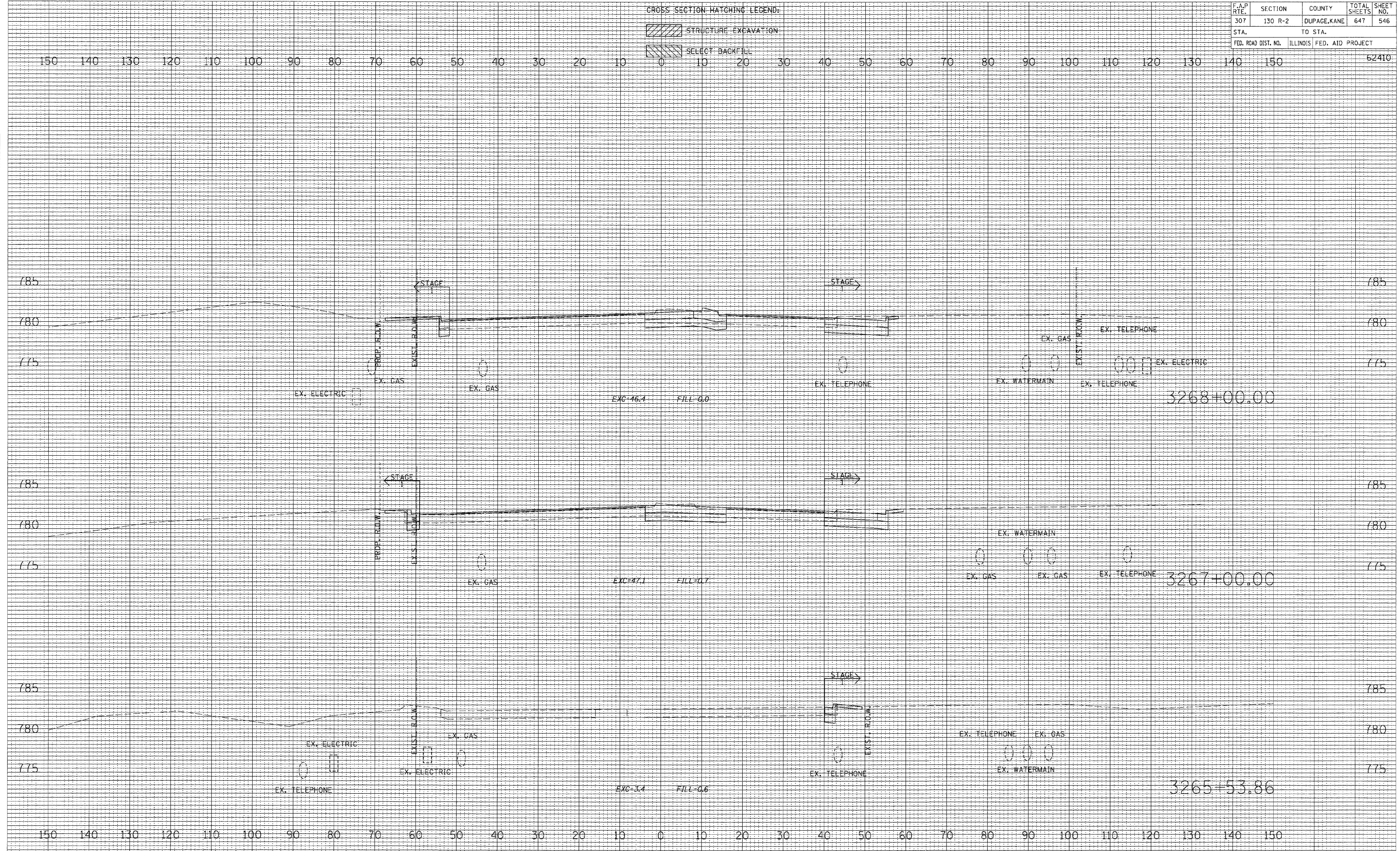
STRUCTURE NUMBER 022-W030
 FAP 307 SECTION 130 R-2
 DUPAGE COUNTY
 STA. 3359+16.23 TO 3366+75.00

SCALE: None DRAWN BY: MRK
 DATE: MAY 13, 2011 CHECKED BY: RDP

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	546
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CROSS SECTION HATCHING LEGEND:

- STRUCTURE EXCAVATION
- SELECT BACKFILL



BY: _____ DATE: _____

FINAL SURVEY PLOTTED DATE _____

NOTE BOOK NO. _____ AREAS CHECKED _____

BY: _____ DATE: _____

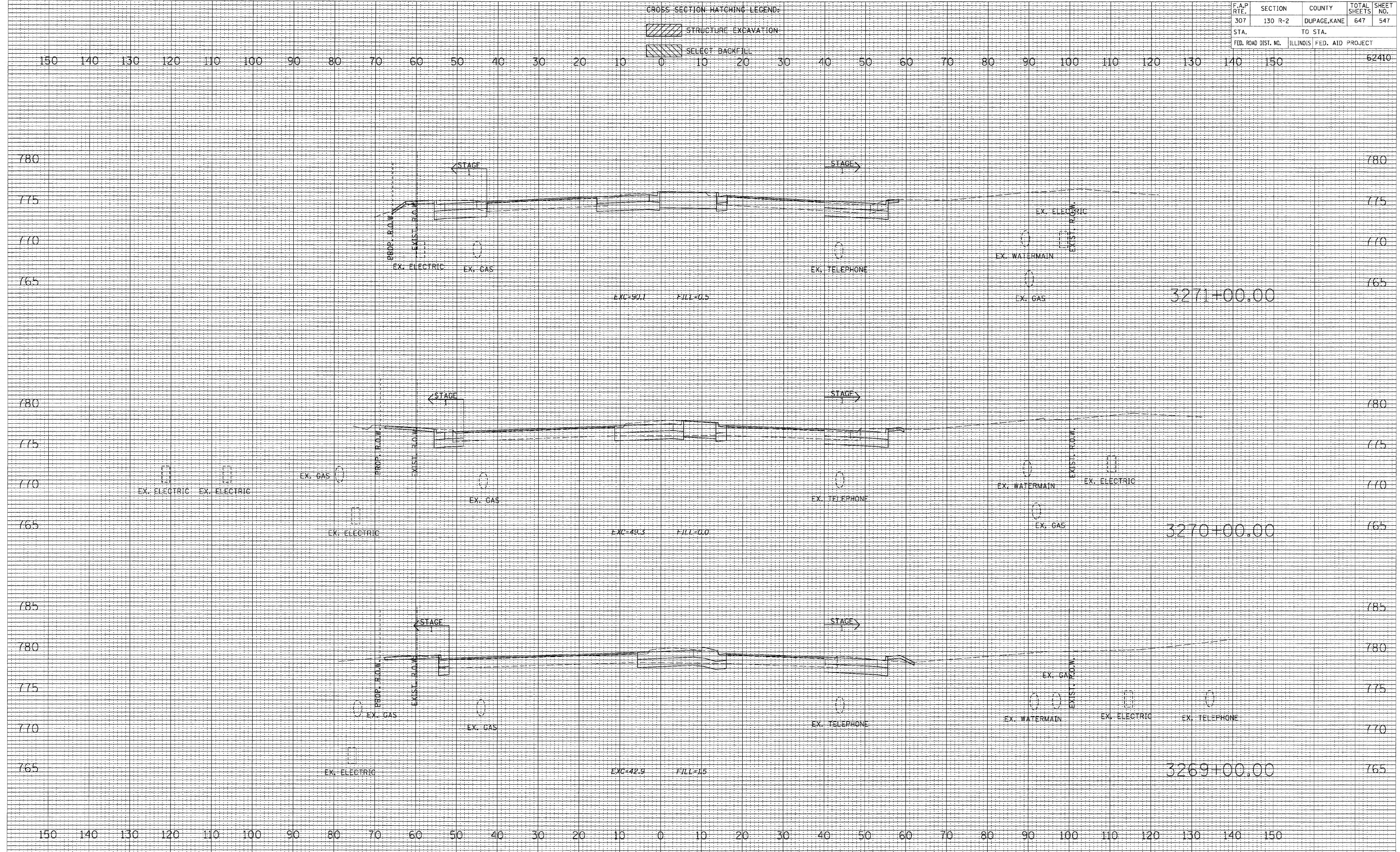
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NOTE BOOK NO. _____ AREAS CHECKED _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CROSS SECTION HATCHING LEGEND:

- STRUCTURE EXCAVATION
- SELECT BACKFILL





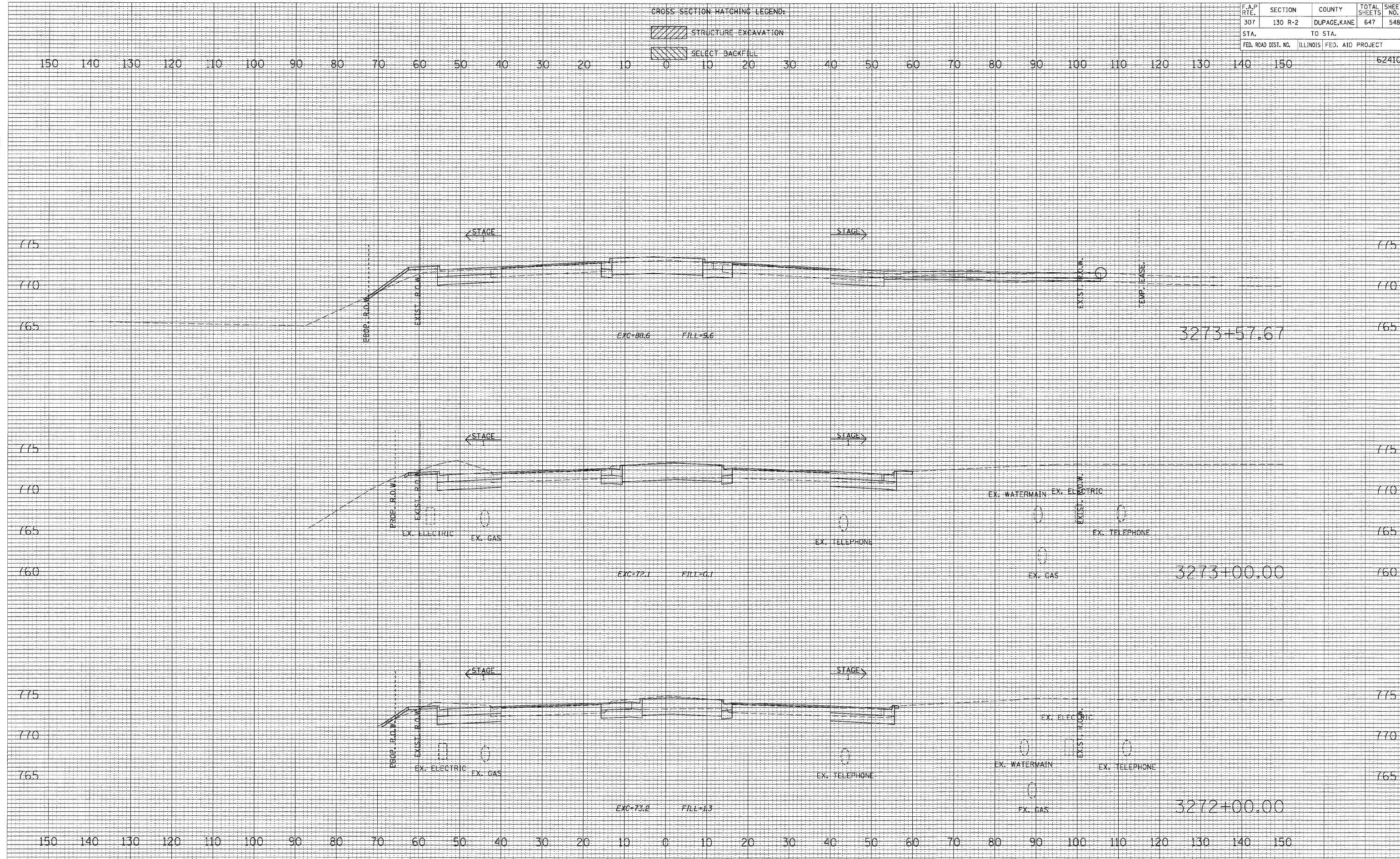
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DATE
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 NOTE BOOK
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	548
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			62410

CROSS SECTION HATCHING LEGEND:

-  STRUCTURE EXCAVATION
-  SELECT BACKFILL



BY	DATE



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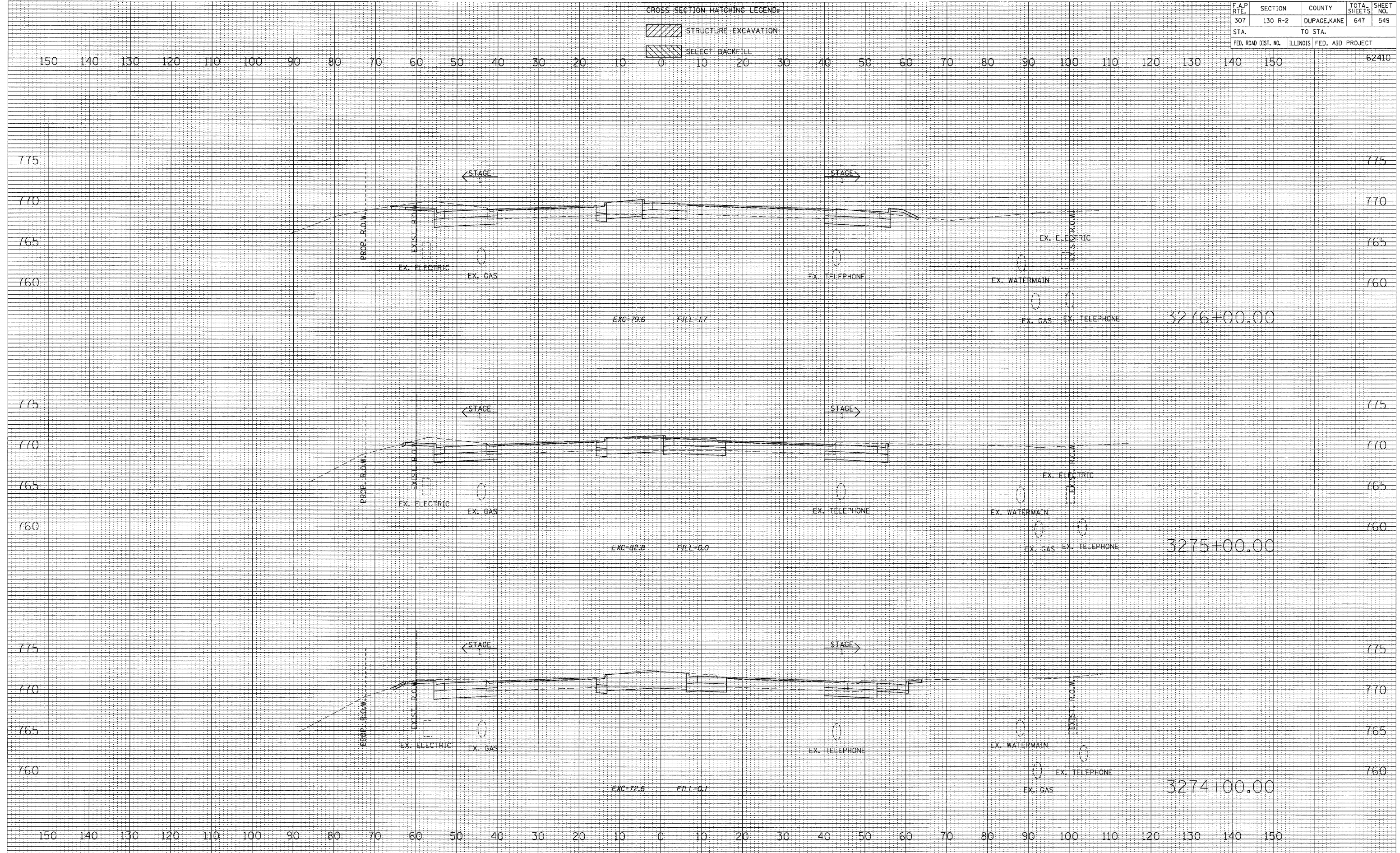
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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STA. TO STA.		ILLINOIS FED. AID PROJECT		
FED. ROAD DIST. NO.		62410		

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

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-  SELECT BACKFILL



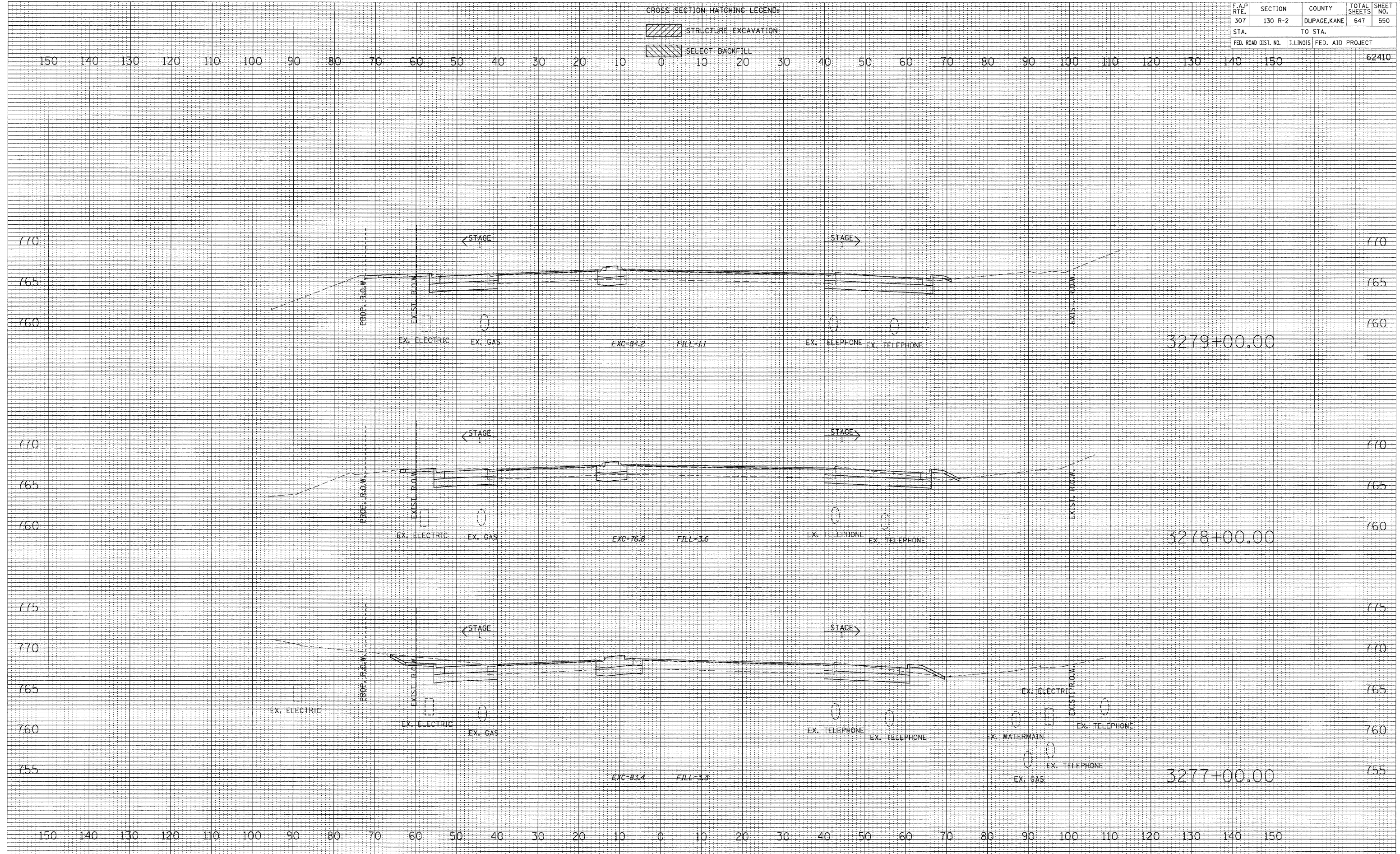
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 AREAS CHECKED: _____

DATE: _____
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 PLOTTED: _____
 NOTE BOOK NO.: _____
 DATE: _____
 AREAS CHECKED: _____

CROSS SECTION HATCHING LEGEND:

-  STRUCTURE EXCAVATION
-  SELECT BACKFILL

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		





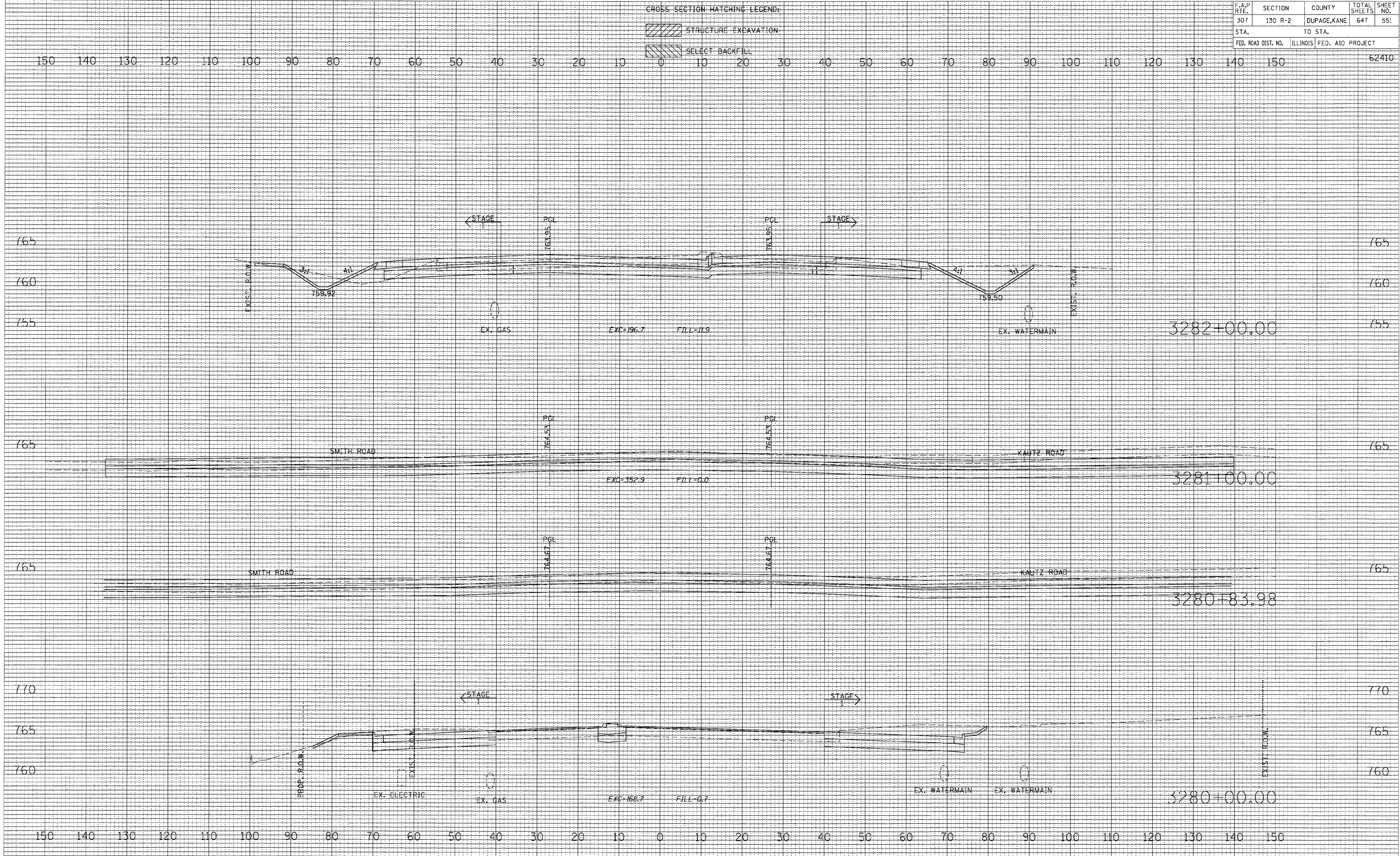
DATE	BY

DATE	BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	551
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	62410	

CROSS SECTION HATCHING LEGEND:

-  STRUCTURE EXCAVATION
-  SELECT BACKFILL



DATE	BY

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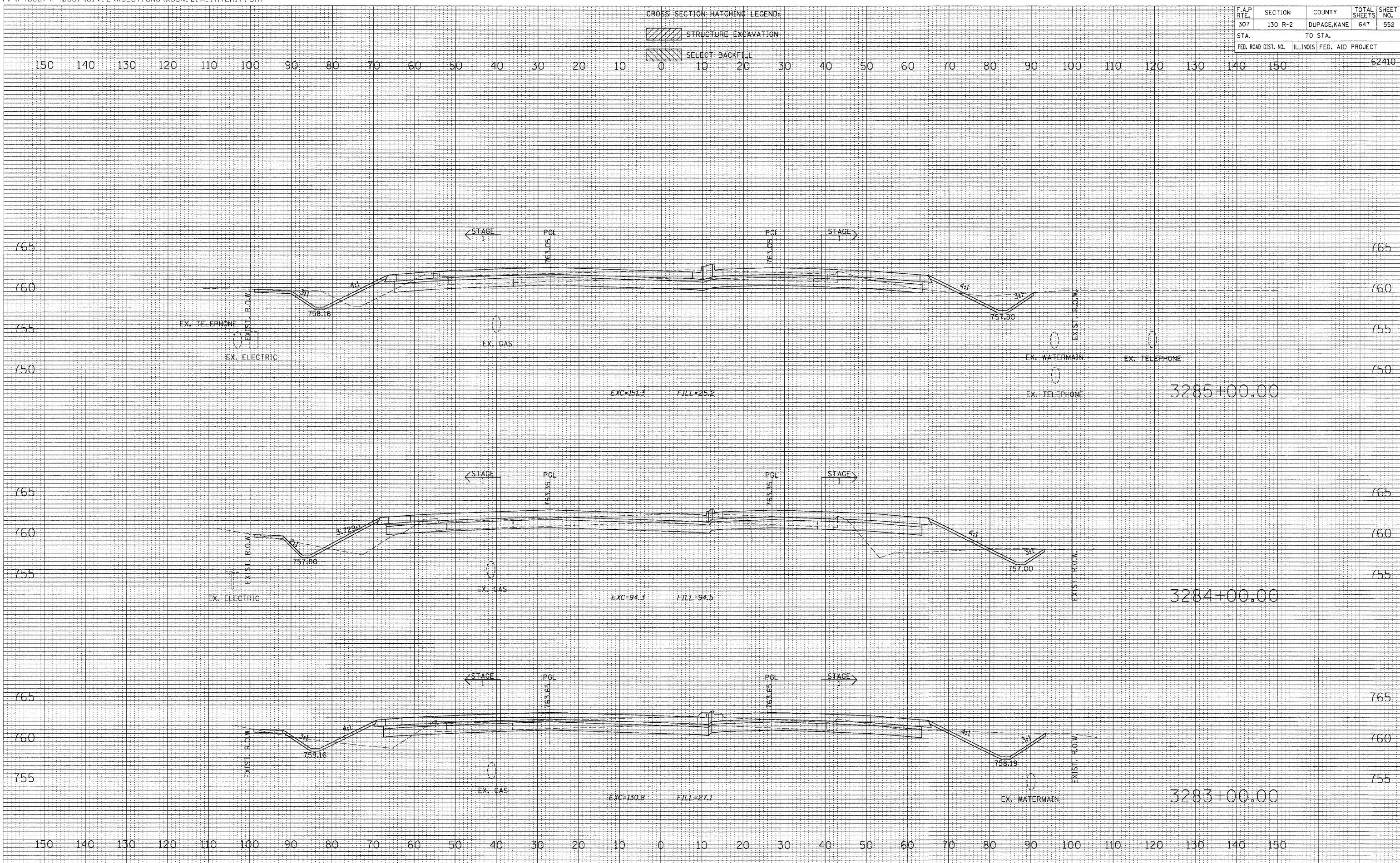
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	552
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CROSS SECTION HATCHING LEGEND:

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- SELECT BACKFILL





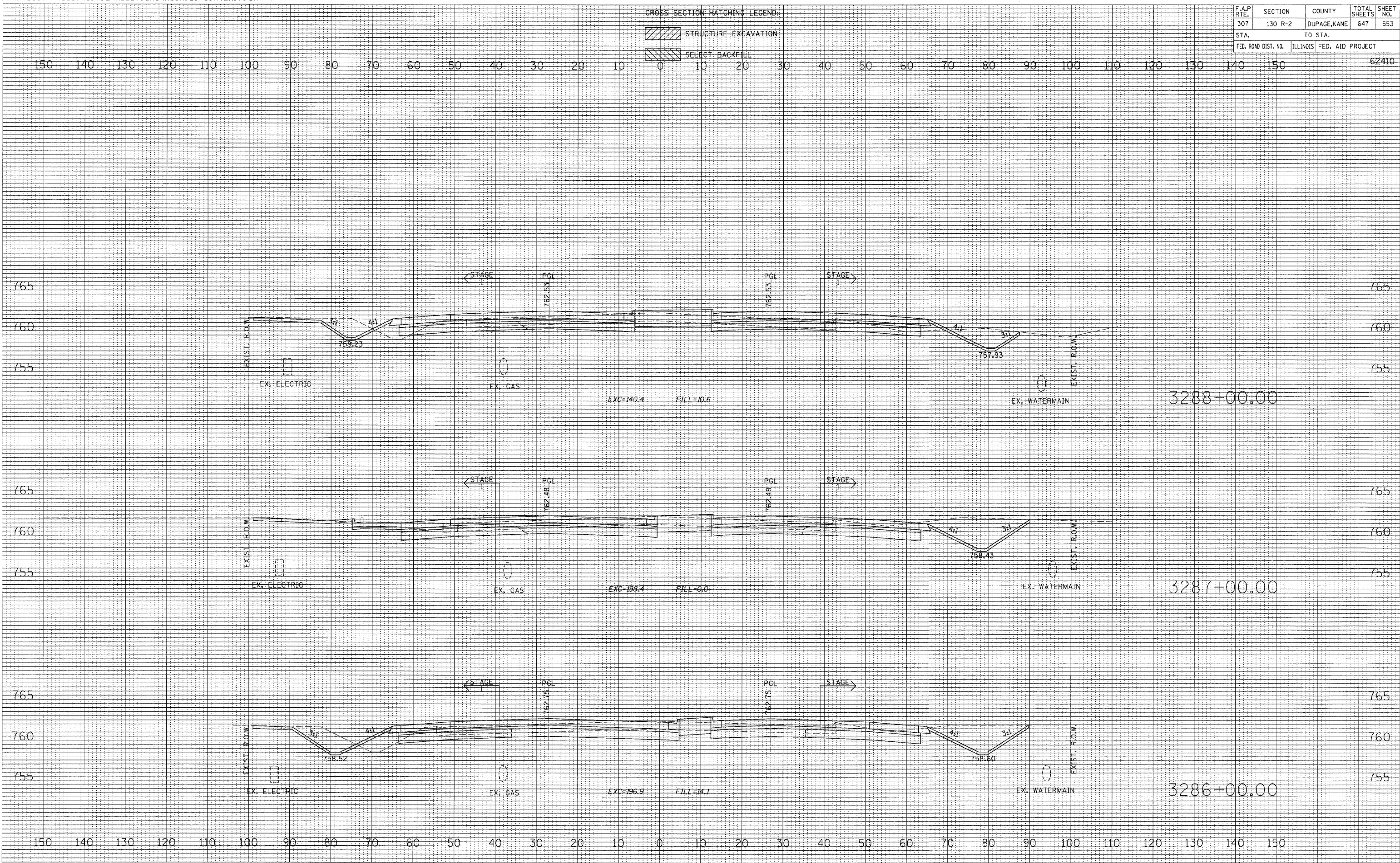
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ORIGINAL SURVEY	SURVEYED	PLOTTED	TEMPLATE	AREAS CHECKED

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	553
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

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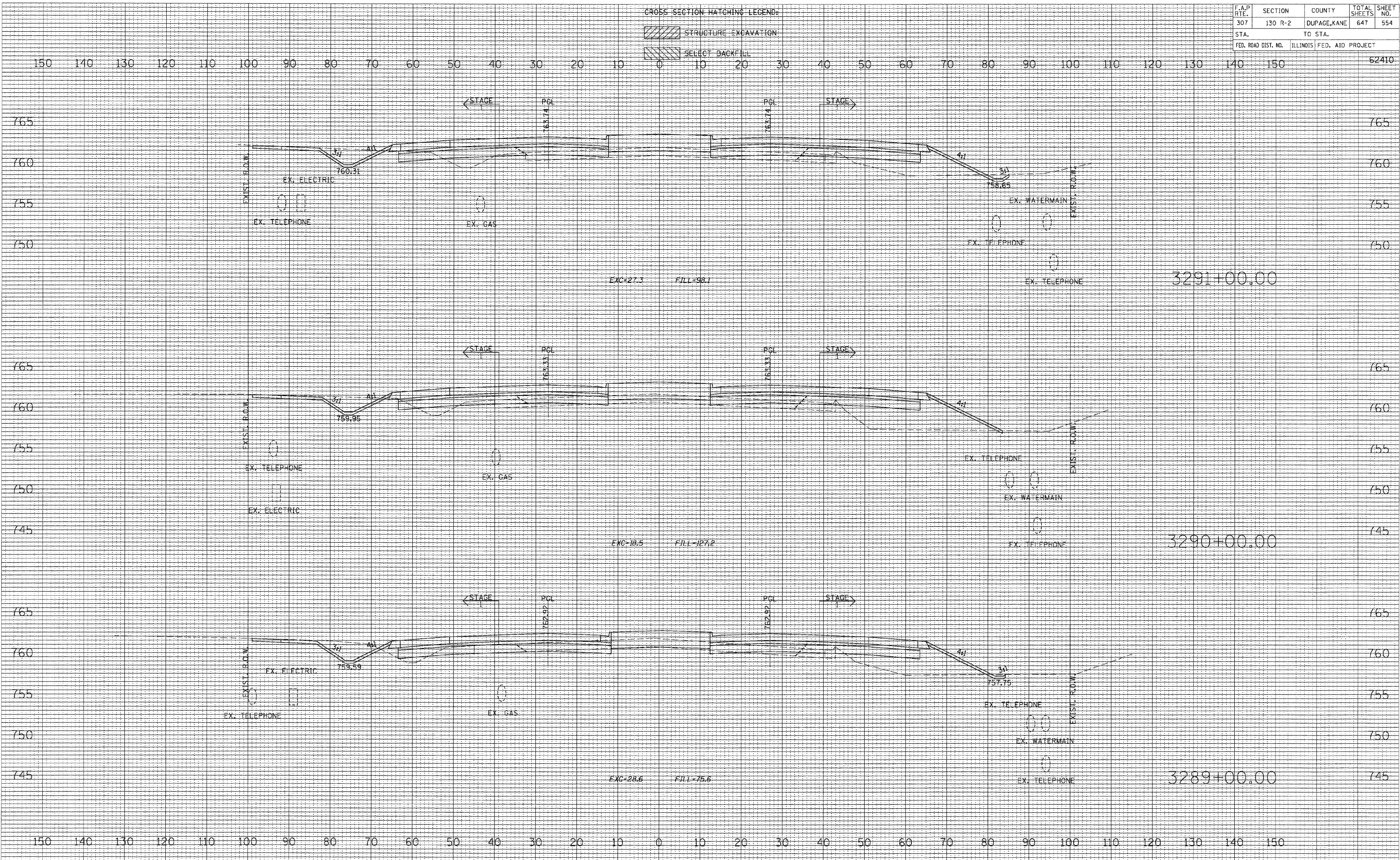


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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	554
STA. TO STA.			62410	
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	

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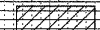
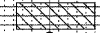


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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

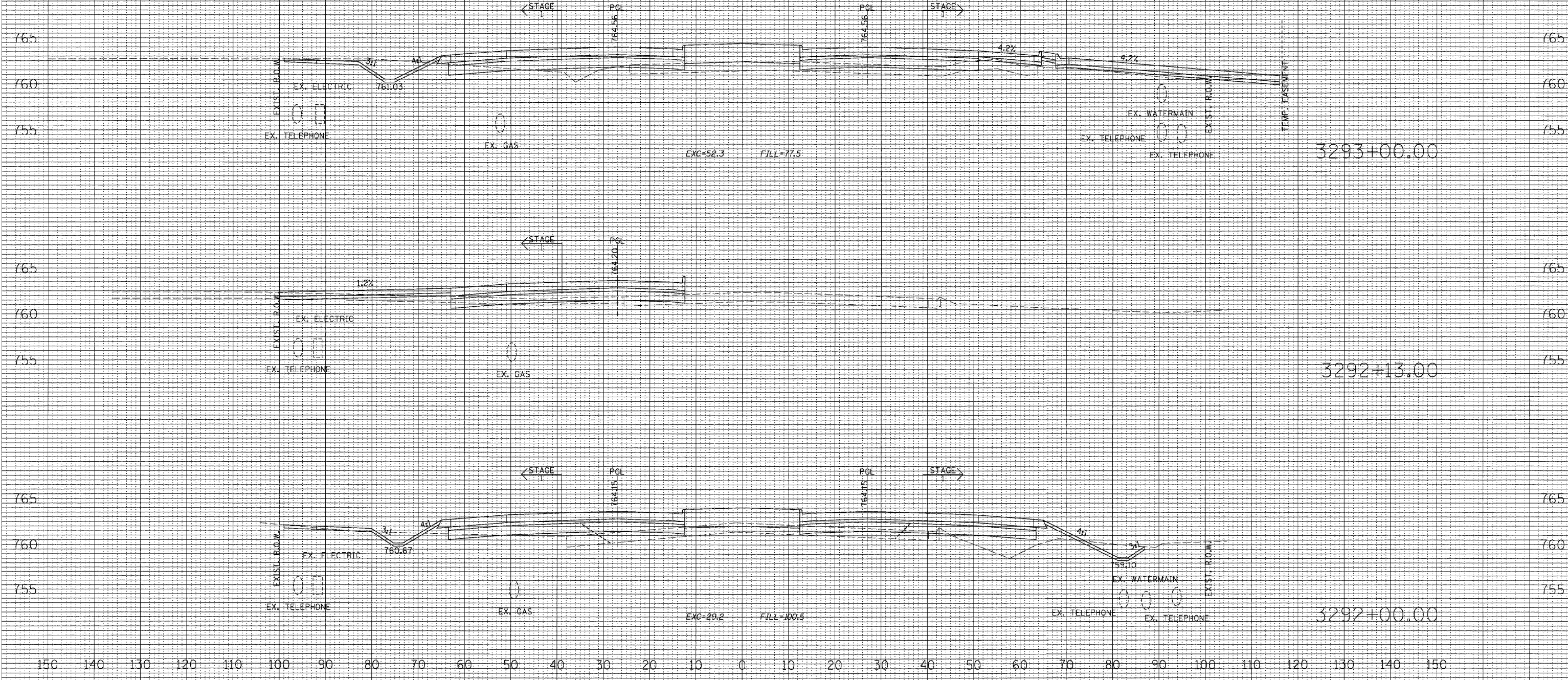
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

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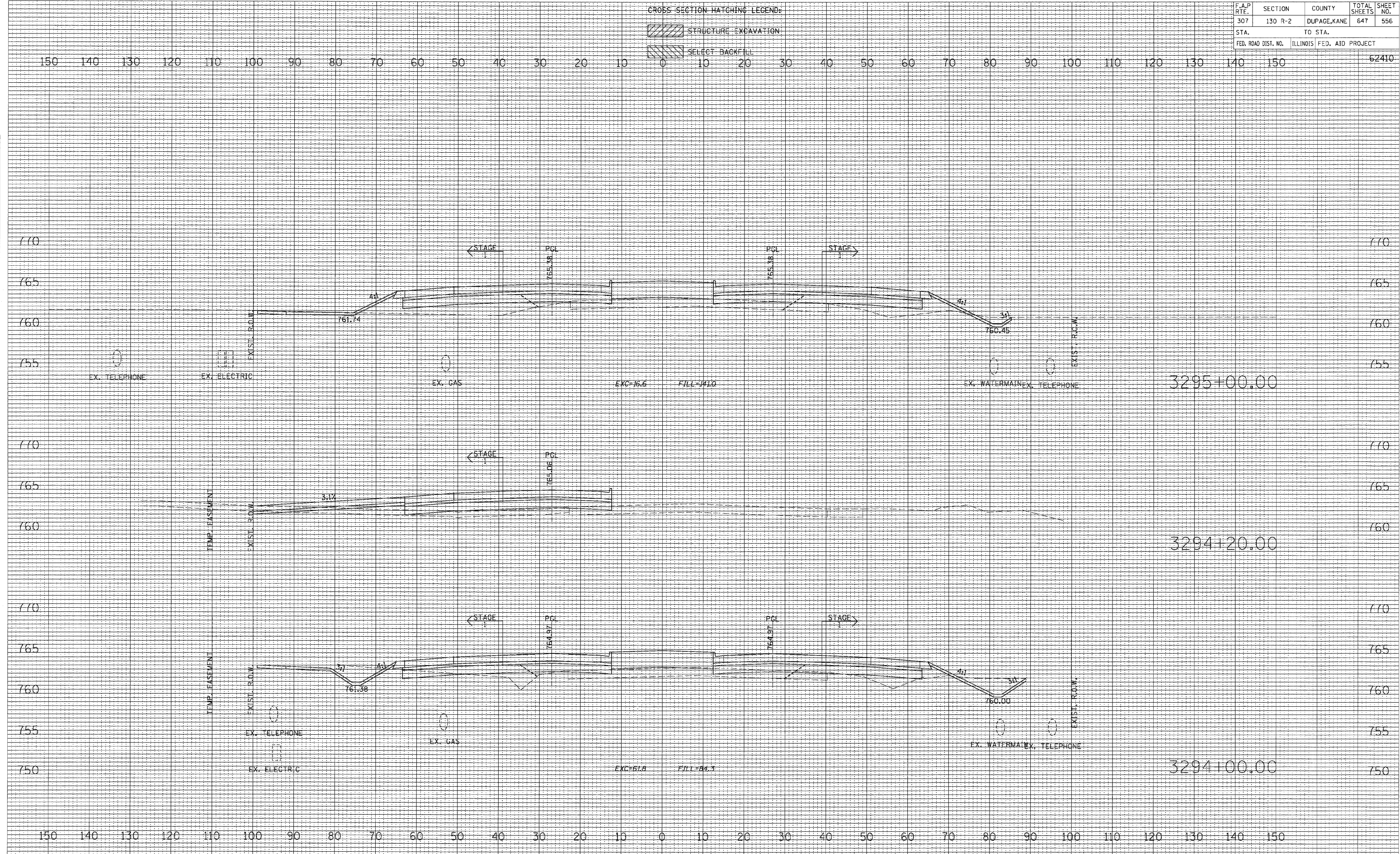
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CROSS SECTION HATCHING LEGEND:
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 SELECT BACKFILL



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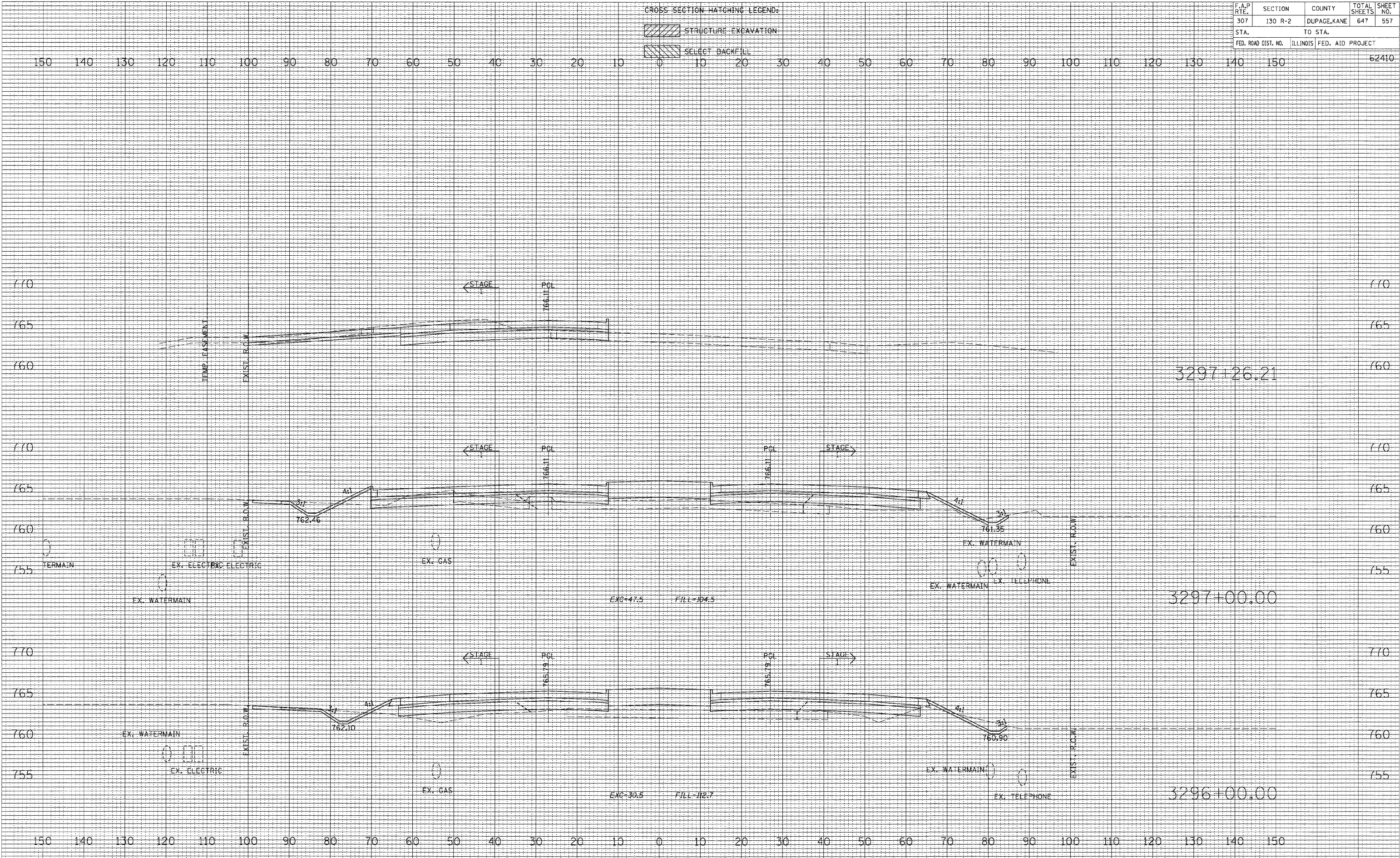
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STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

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

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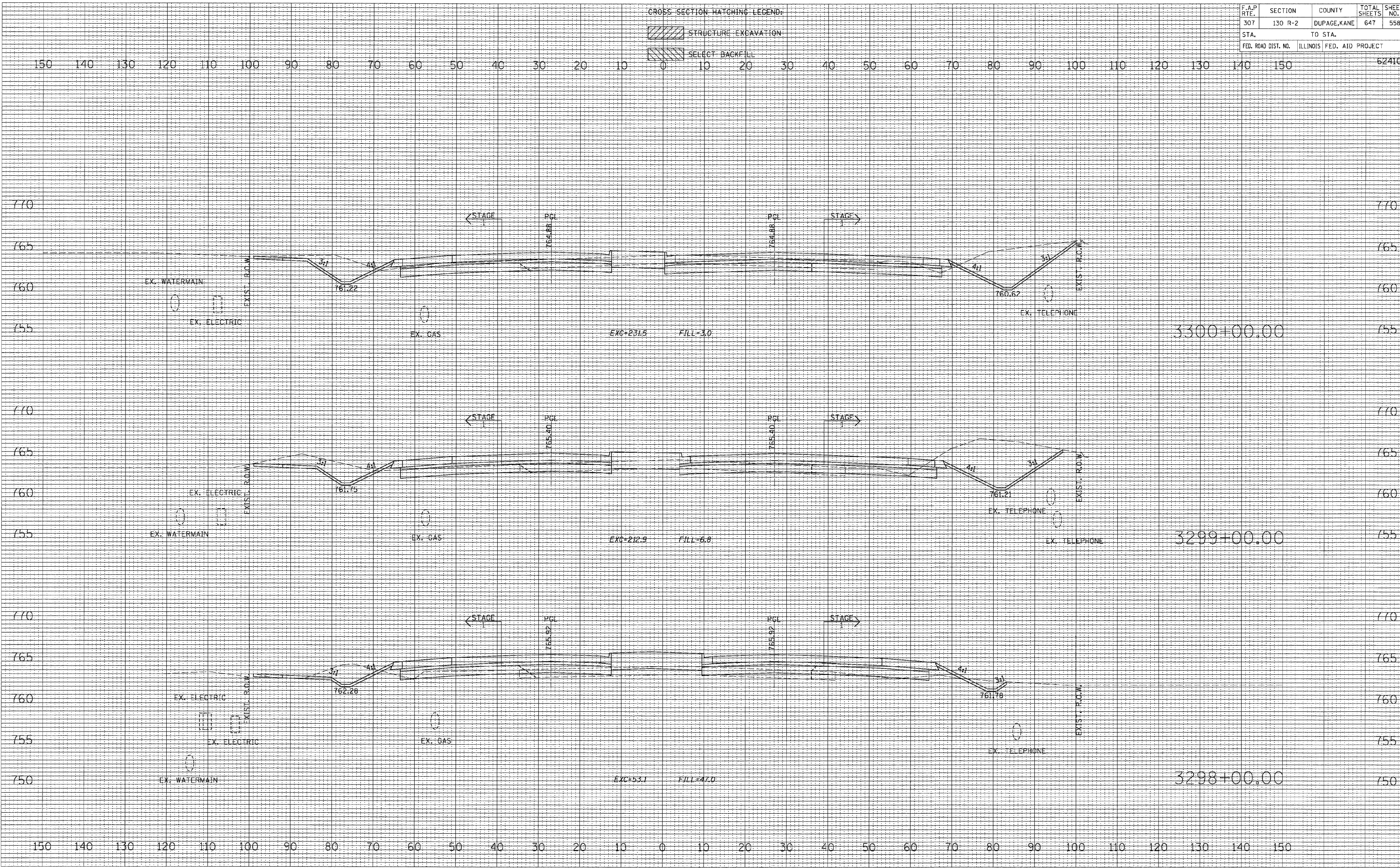
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DATE	
AREAS CHECKED	
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CROSS SECTION HATCHING LEGEND:
 STRUCTURE EXCAVATION
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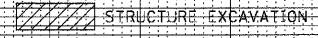
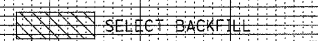


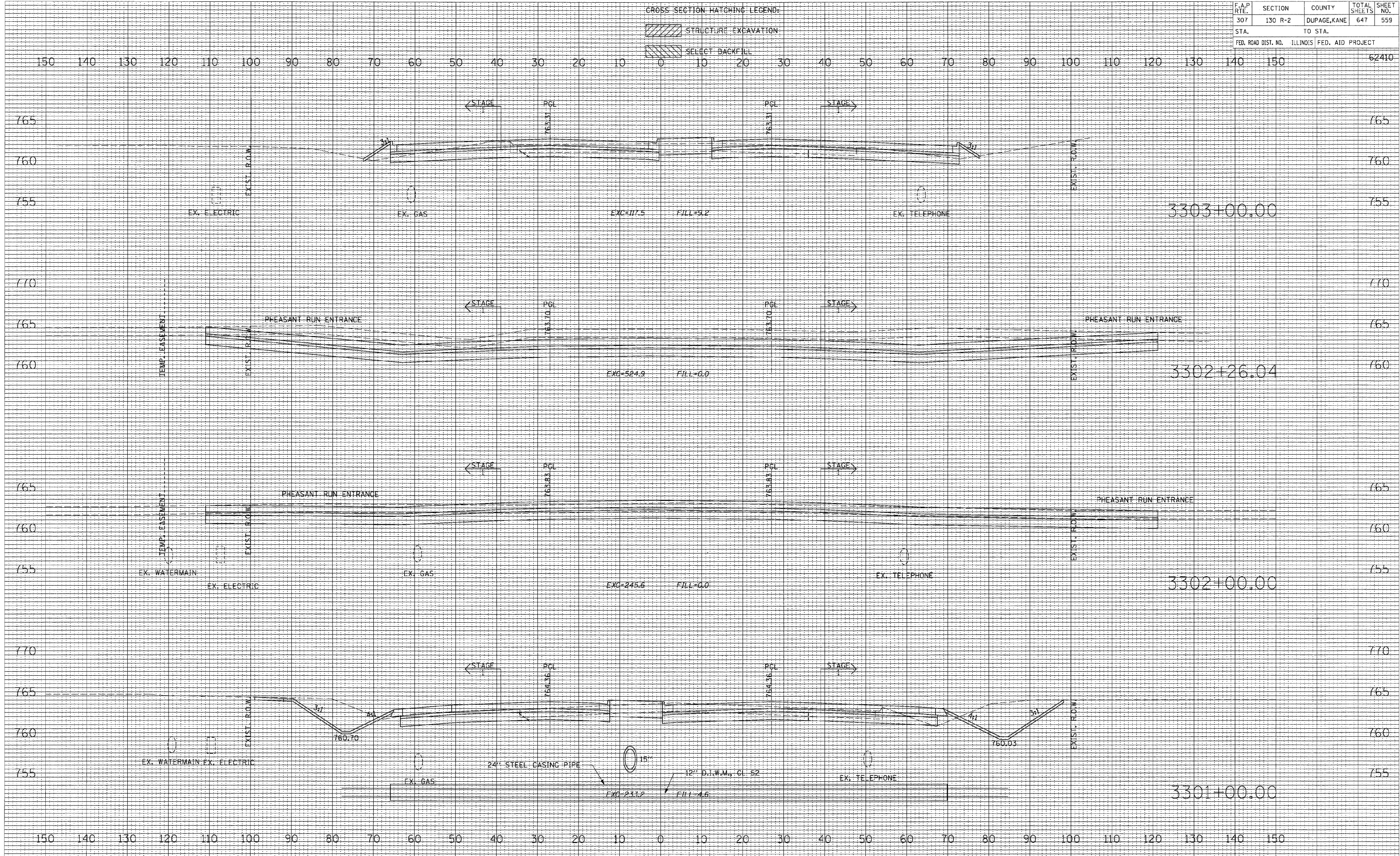
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	559
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CROSS SECTION HATCHING LEGEND:

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-  SELECT BACKFILL

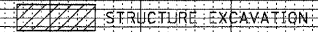
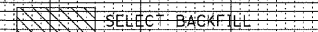


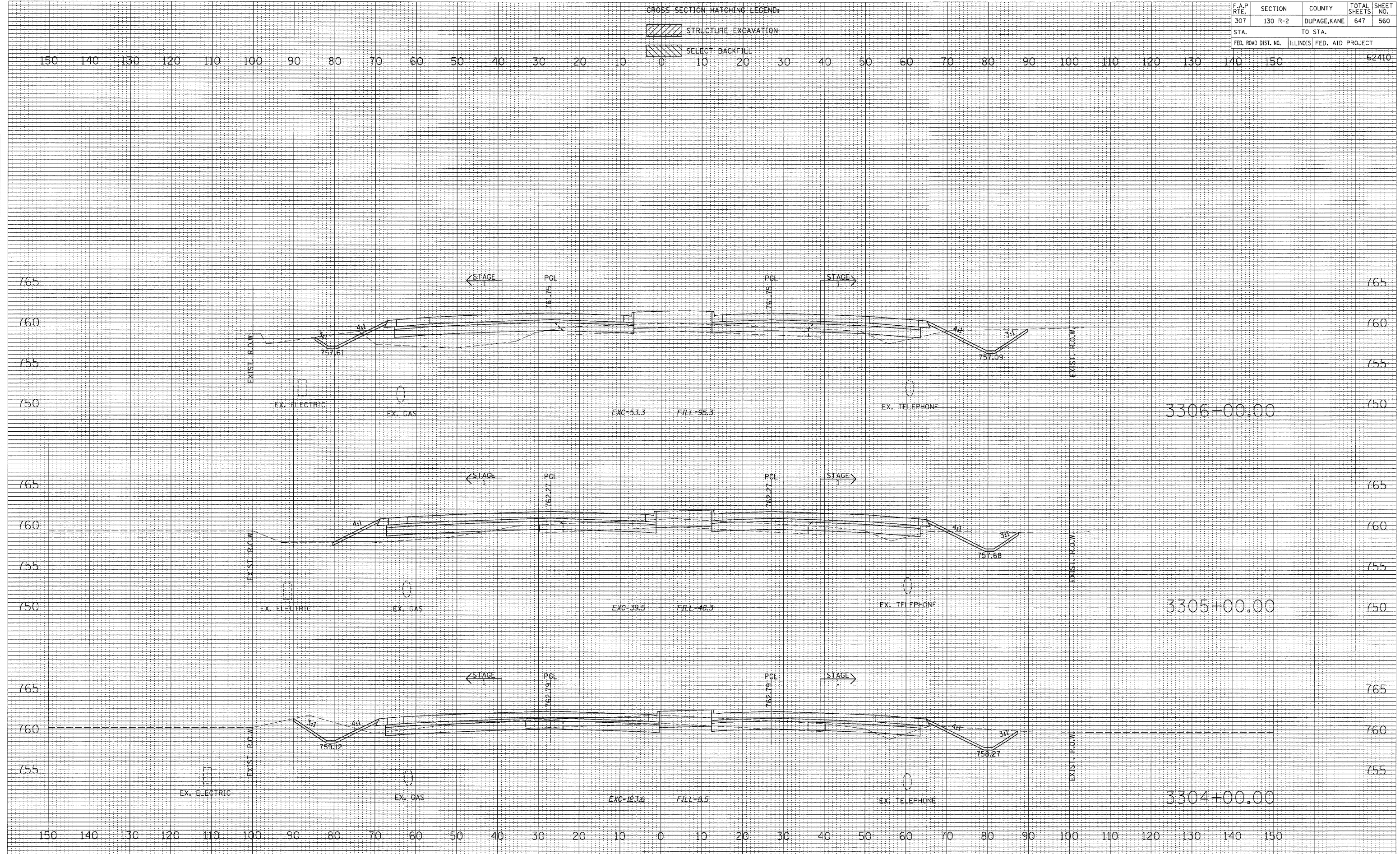
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 NOTE BOOK: _____
 AREAS CHECKED: _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	560
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

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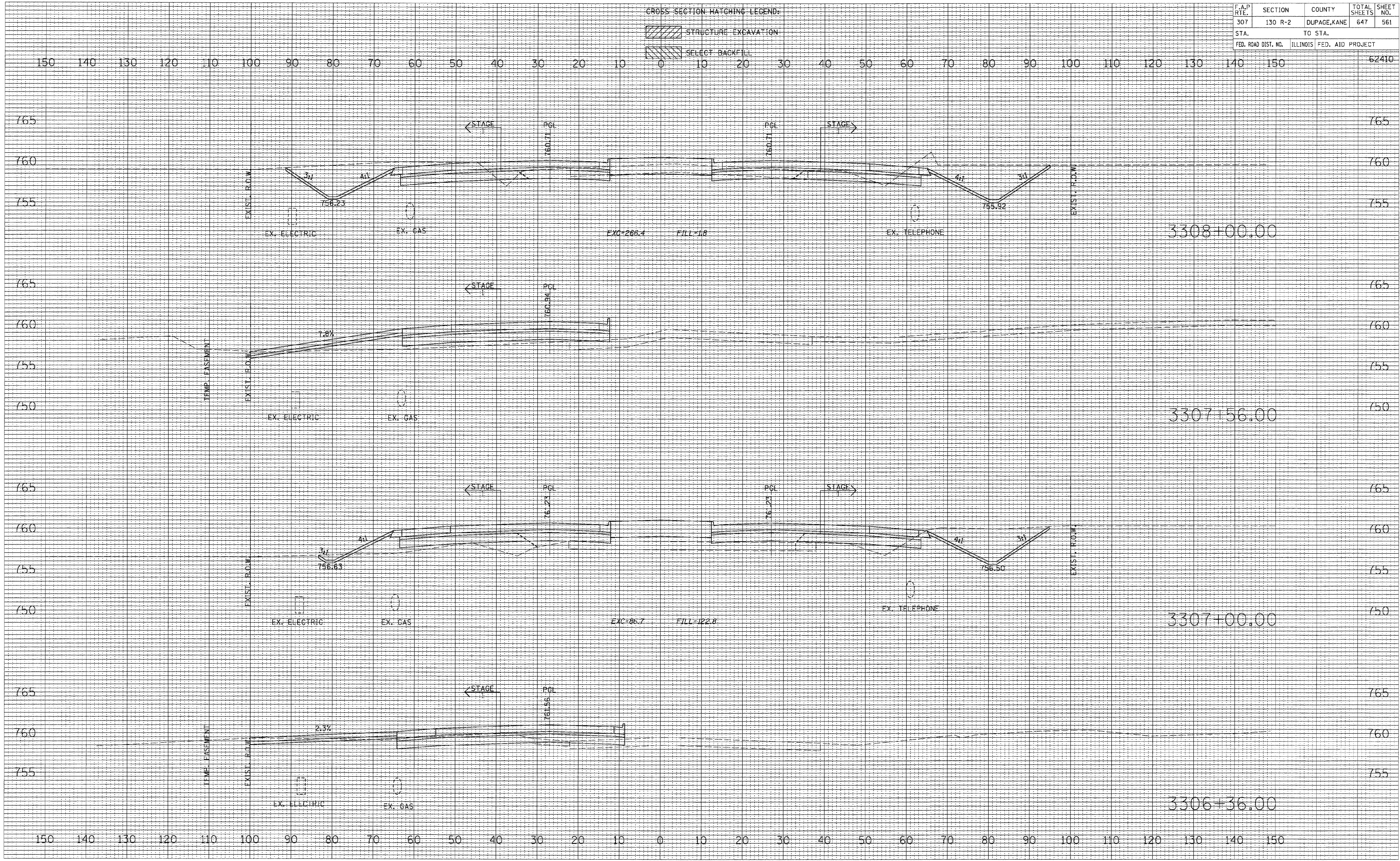


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DATE _____
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 SURVEYED _____
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 NOTE BOOK _____
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	561
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CROSS SECTION HATCHING LEGEND:
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 ▩ SELECT BACKFILL



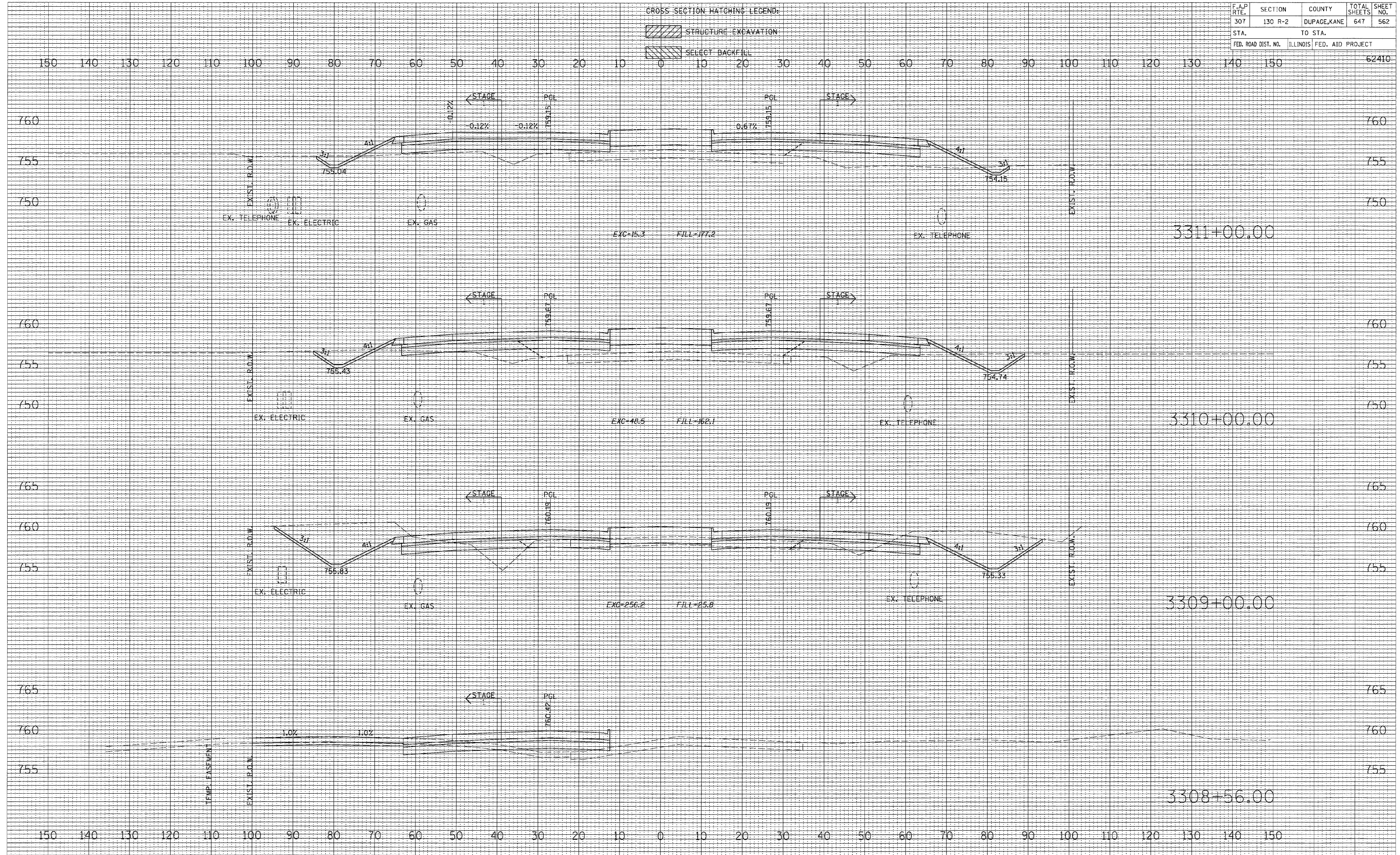
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 AREAS CHECKED: _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	562
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CROSS SECTION HATCHING LEGEND:

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- SELECT BACKFILL





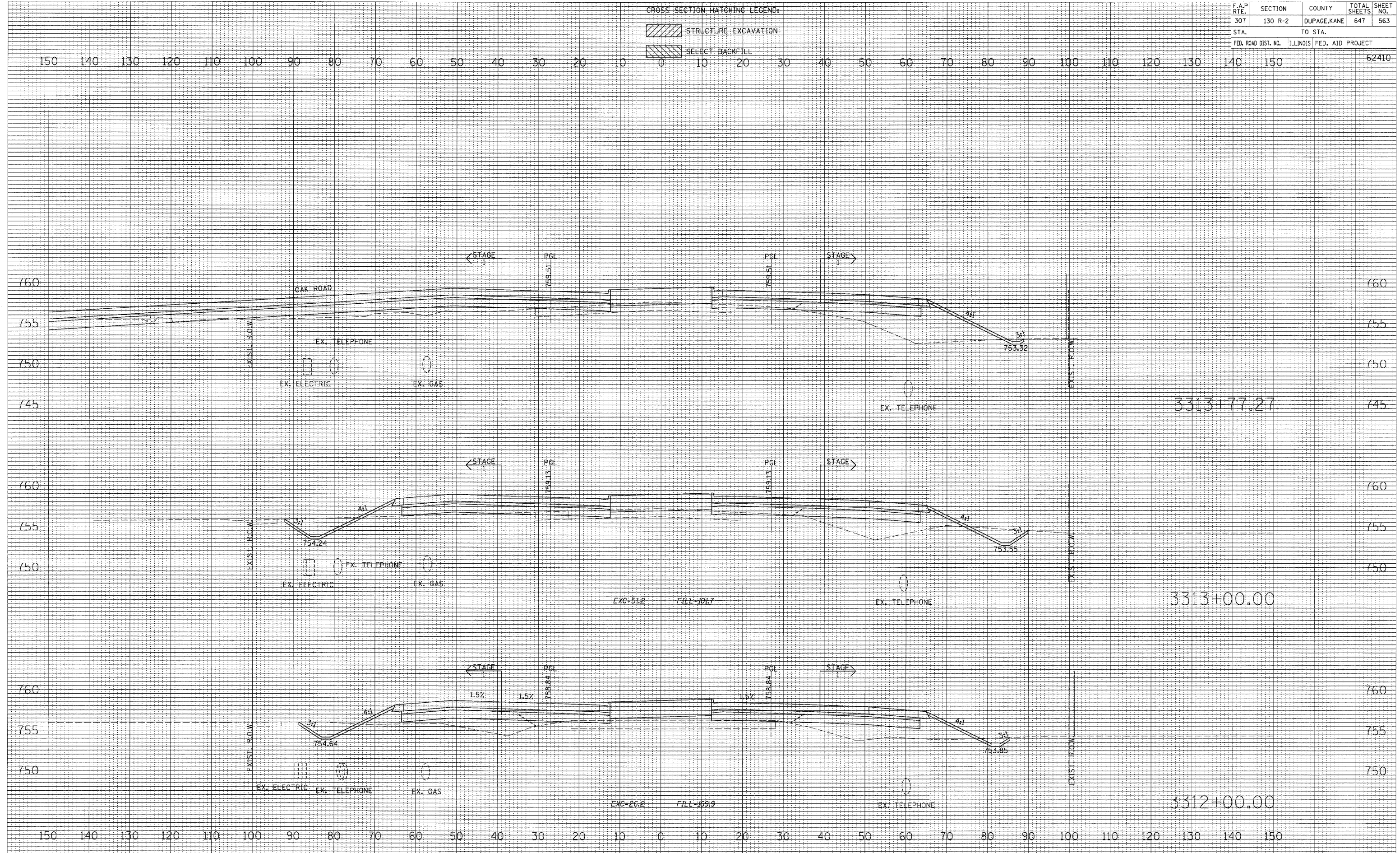
BY: _____ DATE: _____
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BY: _____ DATE: _____
 SURVEYED: _____
 PLOTTED: _____
 NOTE BOOK: _____
 AREAS CHECKED: _____
 NO. _____

F.A.P. R/L	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	563
STA.	TO STA.			
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CROSS SECTION HATCHING LEGEND:

-  STRUCTURE EXCAVATION
-  SELECT BACKFILL


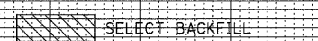


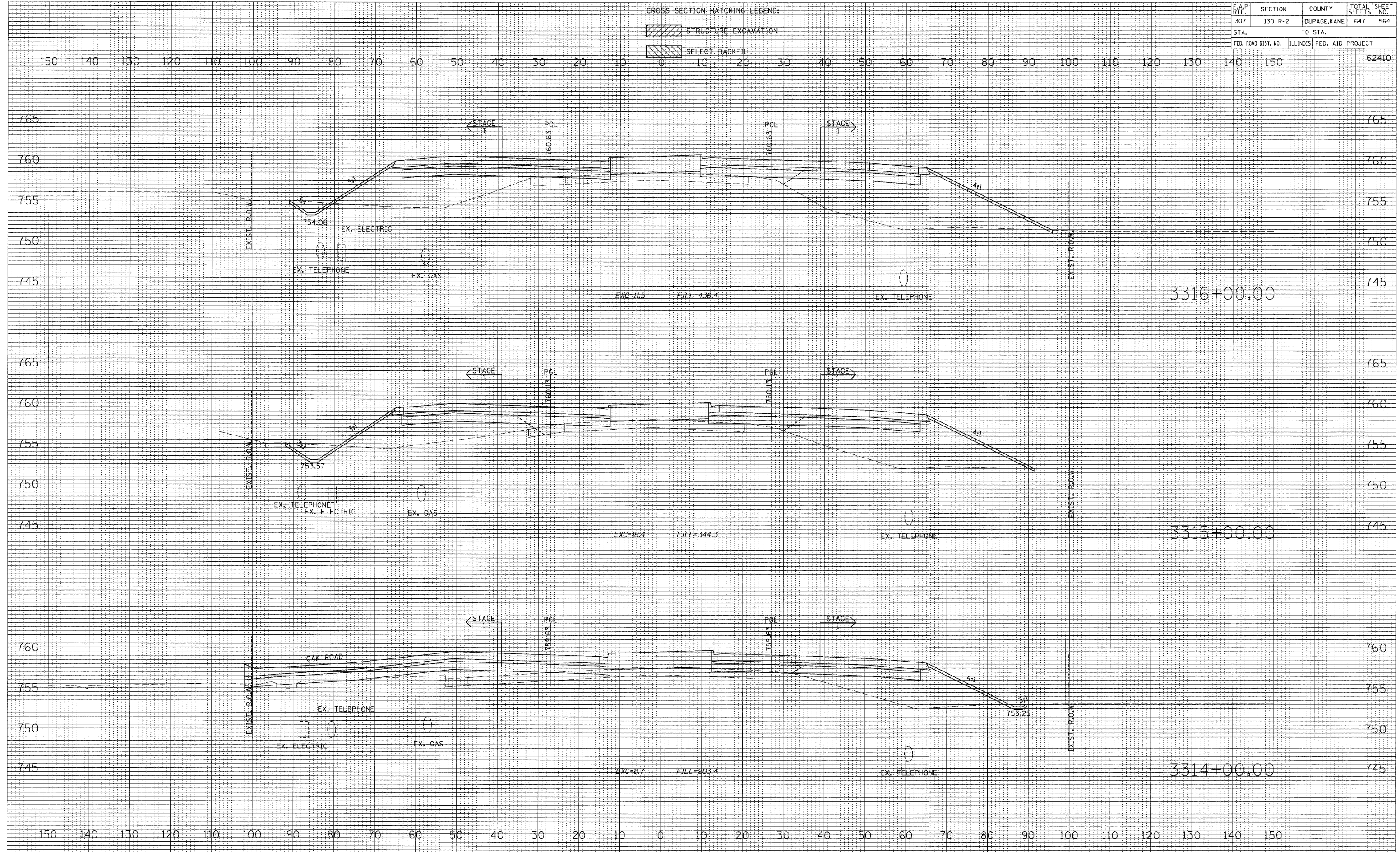
DATE: _____
 BY: _____
 SURVEYED: _____
 PLOTTED: _____
 NOTE BOOK: _____
 DATE: _____
 AREAS CHECKED: _____
 NO.:

DATE: _____
 BY: _____
 SURVEYED: _____
 PLOTTED: _____
 NOTE BOOK: _____
 DATE: _____
 AREAS CHECKED: _____
 NO.:

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	564
STA. TO STA.		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		
		62410		

CROSS SECTION HATCHING LEGEND:

-  STRUCTURE EXCAVATION
-  SELECT BACKFILL

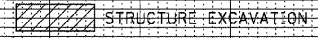
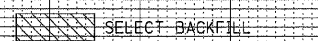


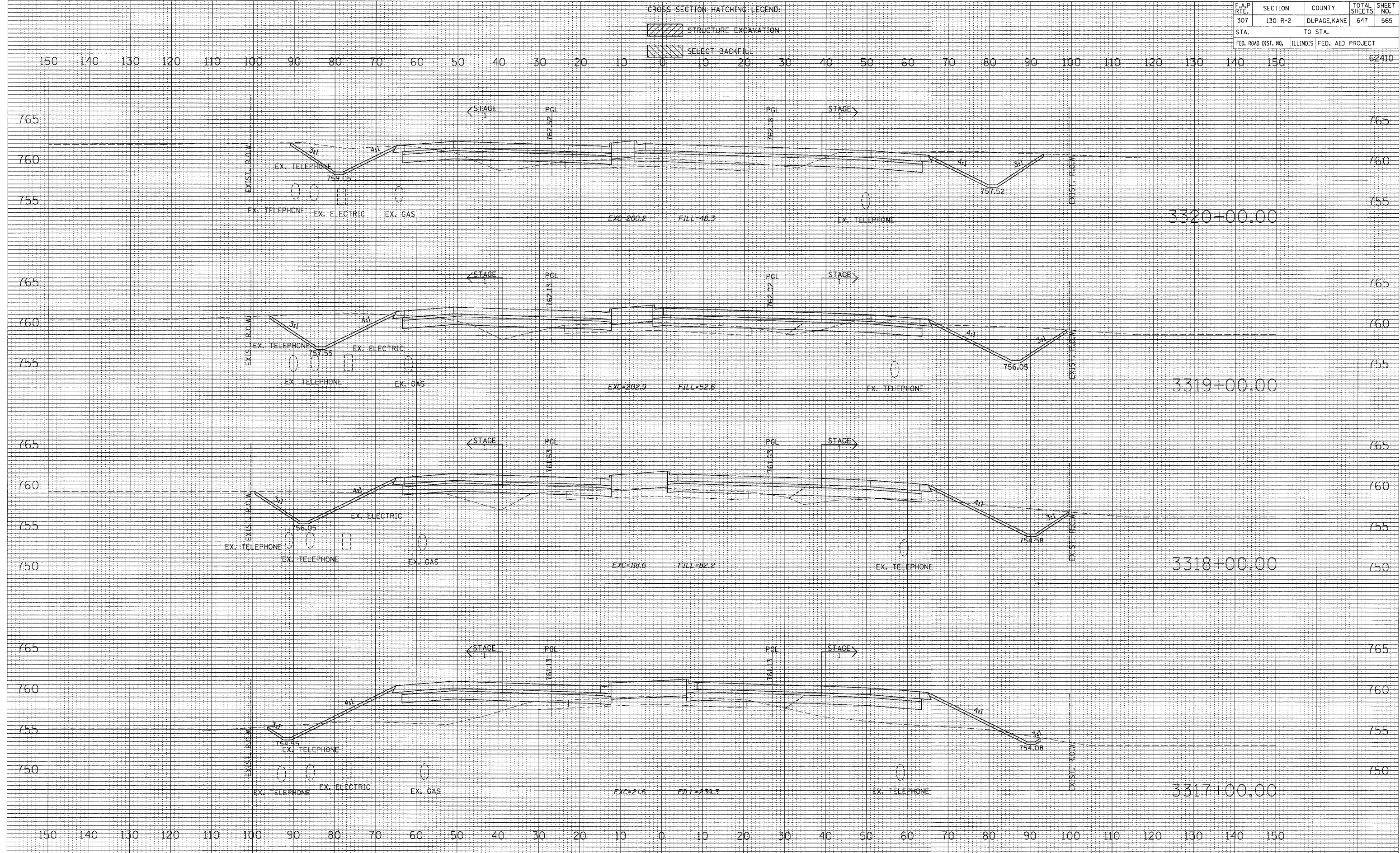
BY: _____ DATE: _____
 SURVEYED: _____
 PLOTTED: _____
 NOTE BOOK NO.: _____
 DATE: _____
 AREAS CHECKED: _____

BY: _____ DATE: _____
 SURVEYED: _____
 PLOTTED: _____
 NOTE BOOK NO.: _____
 DATE: _____
 AREAS CHECKED: _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	565
STA.	TO STA.			
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		62410

CROSS SECTION HATCHING LEGEND:

-  STRUCTURE EXCAVATION
-  SELECT BACKFILL



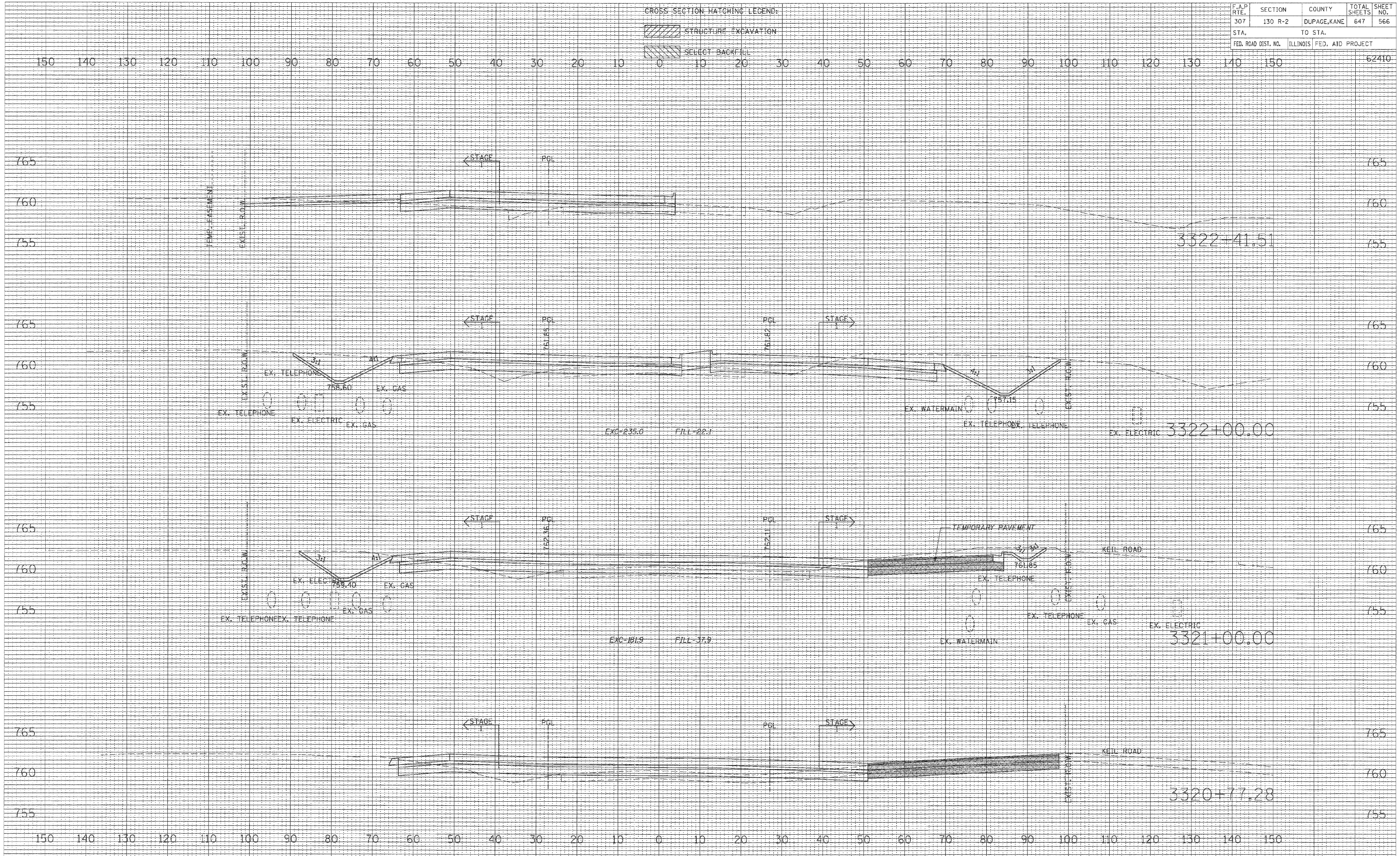
DATE: _____
 BY: _____
 SURVEYED: _____
 PLOTTED: _____
 NOTE BOOK NO.: _____
 REVISION DATE: _____
 AREAS CHECKED: _____

DATE: _____
 BY: _____
 SURVEYED: _____
 PLOTTED: _____
 NOTE BOOK NO.: _____
 REVISION DATE: _____
 AREAS CHECKED: _____

CROSS SECTION HATCHING LEGEND:

-  STRUCTURE EXCAVATION
-  SELECT BACKFILL

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	566
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

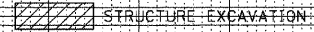


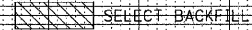
DATE: _____
 BY: _____
 SURVEYED _____
 PLOTTED _____
 NOTE BOOK _____
 AREAS CHECKED _____
 NO. _____

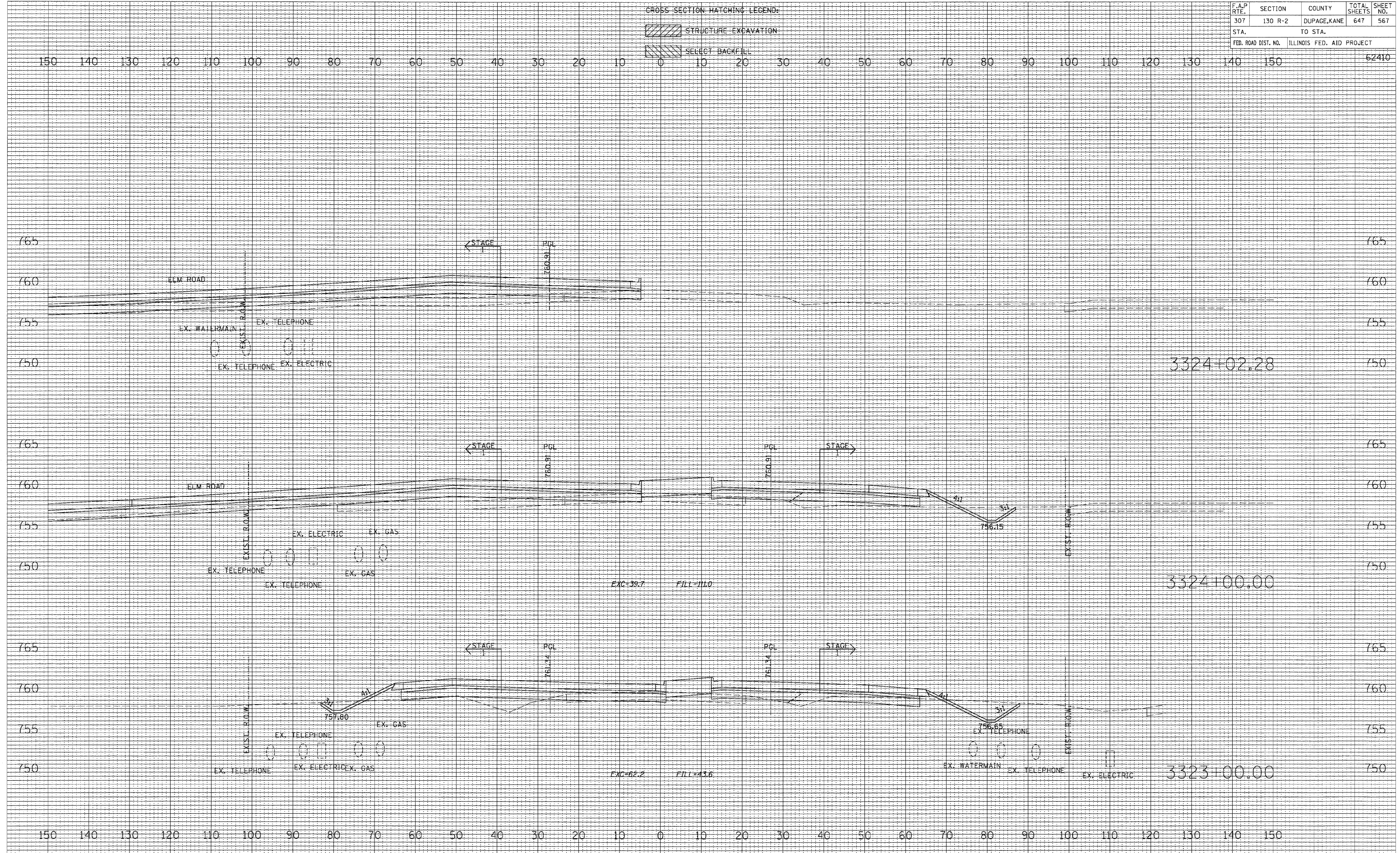
DATE: _____
 BY: _____
 SURVEYED _____
 PLOTTED _____
 NOTE BOOK _____
 AREAS CHECKED _____
 NO. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	567
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CROSS SECTION HATCHING LEGEND:

 STRUCTURE EXCAVATION

 SELECT BACKFILL





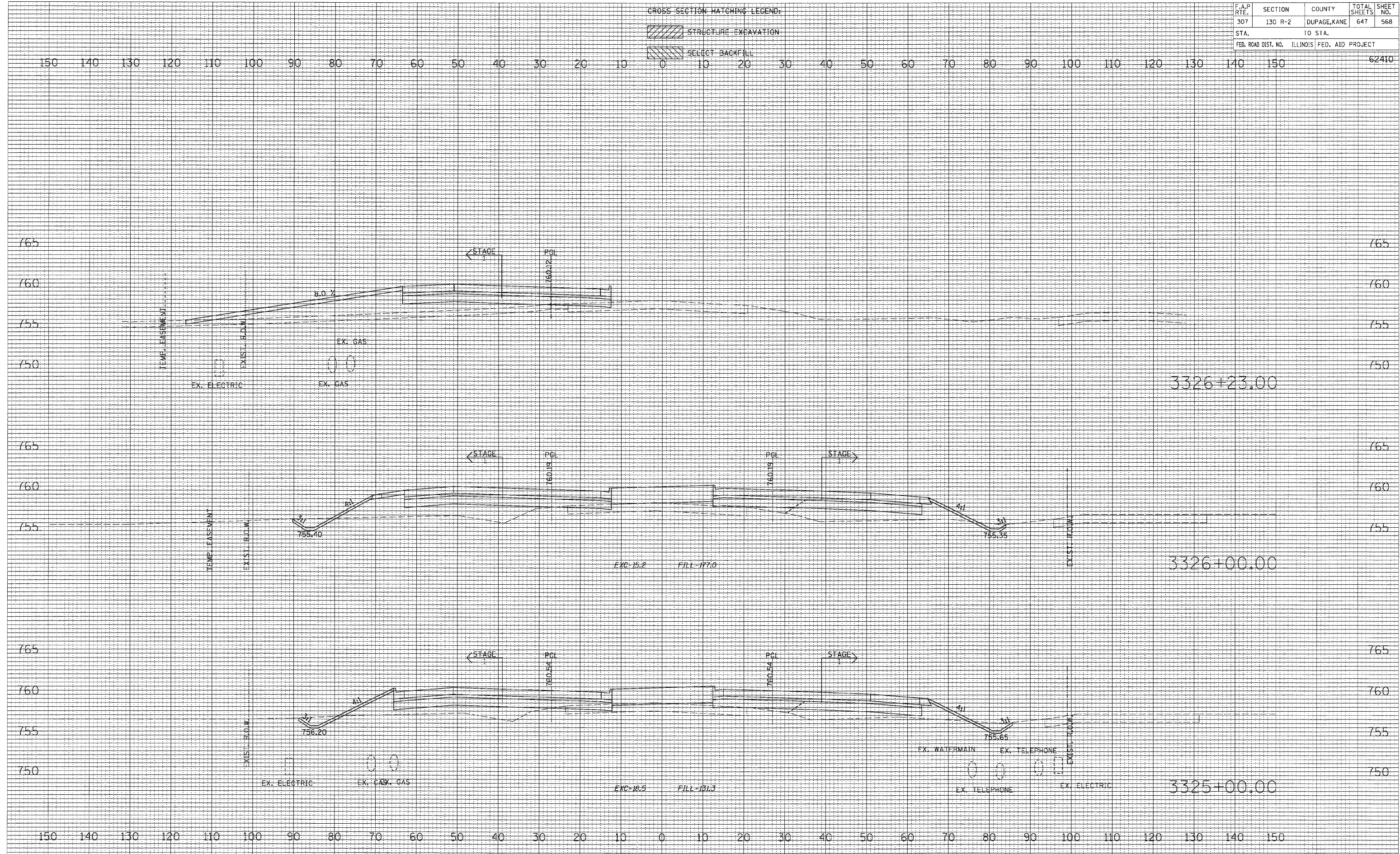
DATE	BY
DATE	BY
DATE	BY

DATE	BY
DATE	BY
DATE	BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	568
STA. TO STA.		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		
		62410		

CROSS SECTION HATCHING LEGEND:



-  STRUCTURE EXCAVATION
-  SELECT BACKFILL



DATE
 BY
 SURVEYED
 PLOTTED
 NOTE BOOK
 DATE
 AREAS CHECKED
 NO.

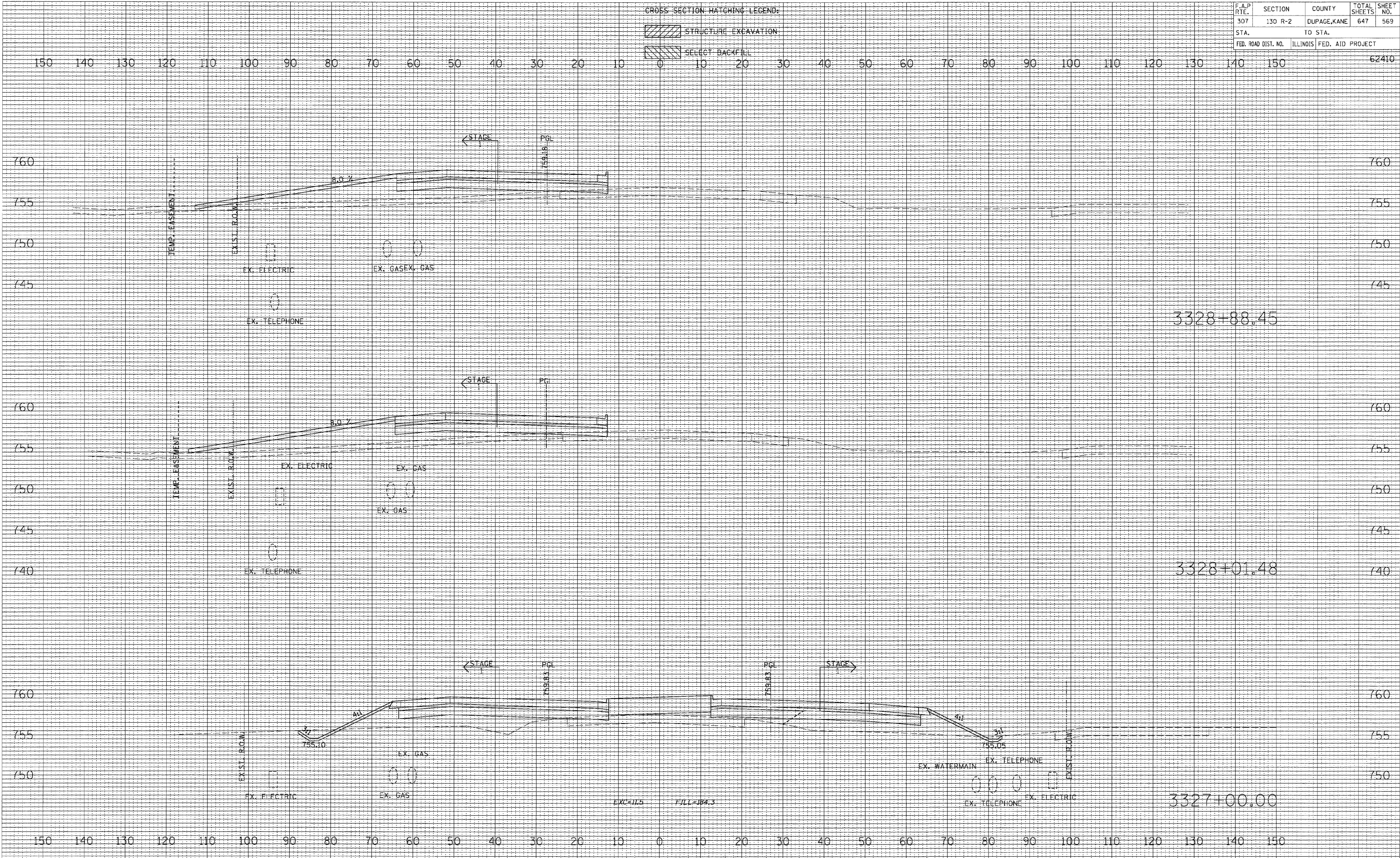
DATE
 BY
 SURVEYED
 PLOTTED
 NOTE BOOK
 DATE
 AREAS CHECKED
 NO.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	569
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CROSS SECTION HATCHING LEGEND:
 STRUCTURE EXCAVATION
 SELECT BACKFILL


DATE: _____
 BY: _____
 SURVEYED: _____
 PLOTTED: _____
 NOTE BOOK: _____
 AREAS CHECKED: _____


DATE: _____
 BY: _____
 SURVEYED: _____
 PLOTTED: _____
 NOTE BOOK: _____
 AREAS CHECKED: _____



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	570
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

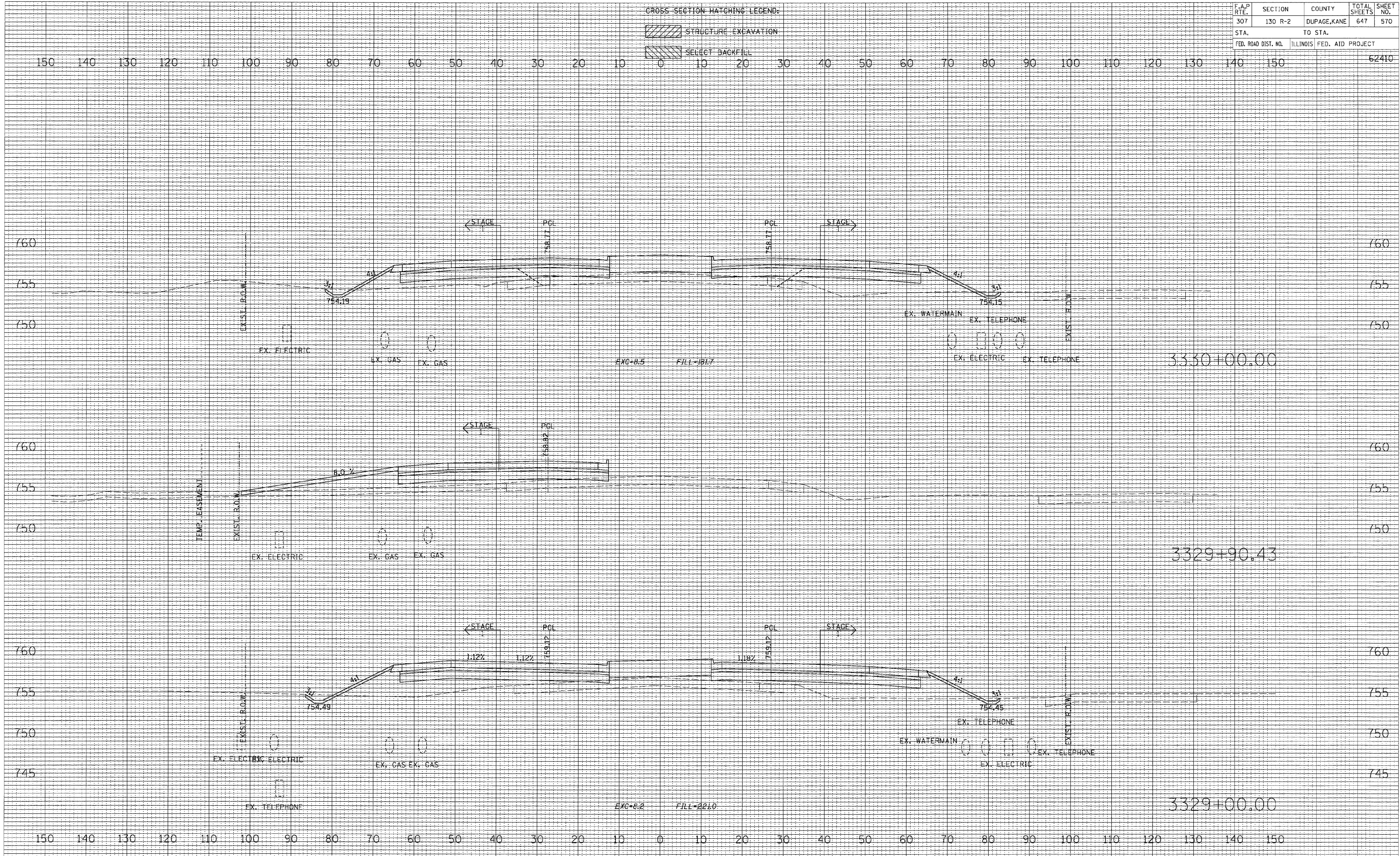
CROSS-SECTION HATCHING LEGEND:

 STRUCTURE EXCAVATION

 SELECT BACKFILL

DATE: _____
 BY: _____
 SURVEYED _____
 PLOTTED _____
 FINAL SURVEY _____
 NOTE BOOK _____
 NO. _____

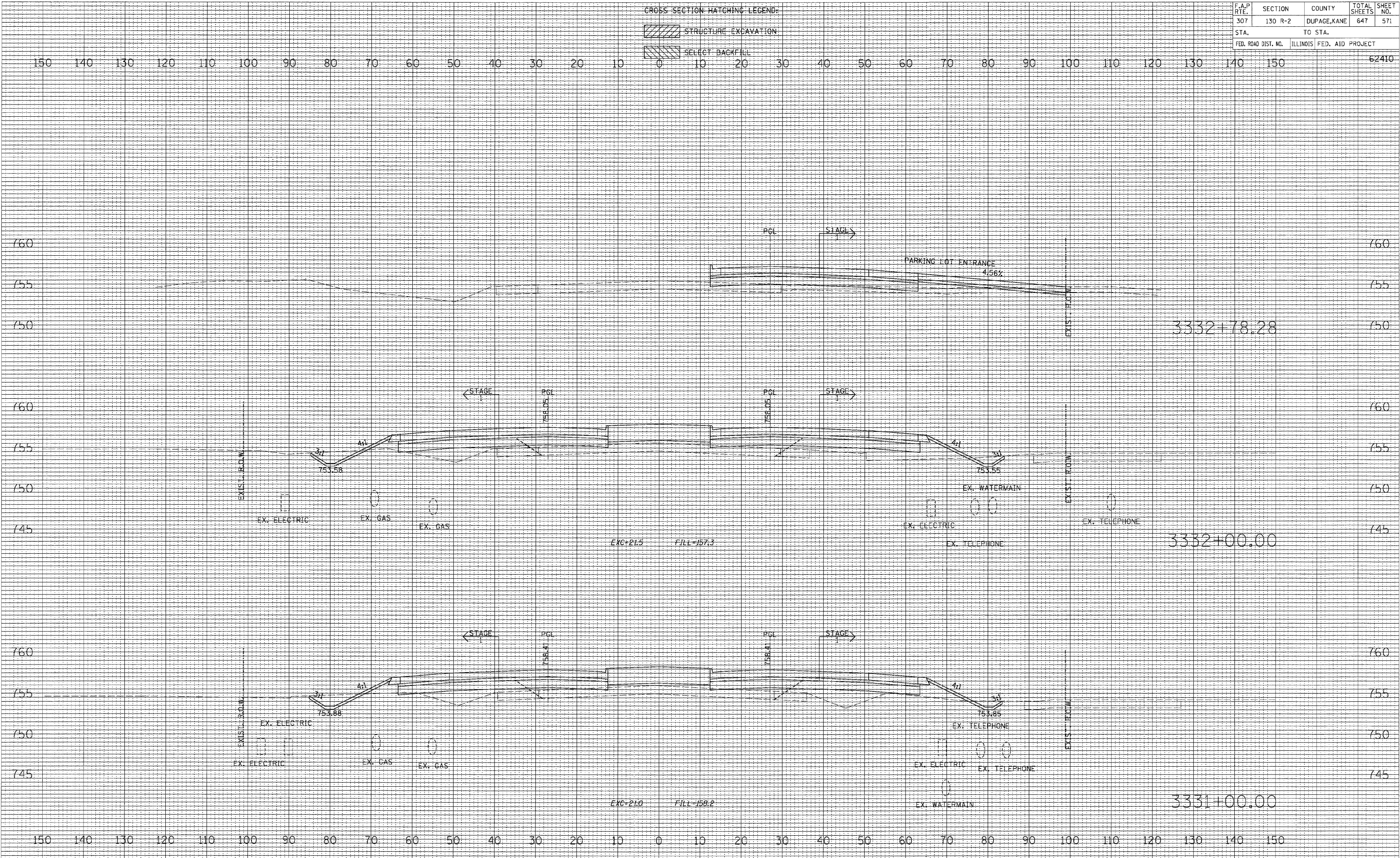
DATE: _____
 BY: _____
 SURVEYED _____
 PLOTTED _____
 ORIGINAL SURVEY _____
 NOTE BOOK _____
 NO. _____



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	571
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CROSS SECTION HATCHING LEGEND:

- STRUCTURE EXCAVATION
- SELECT BACKFILL



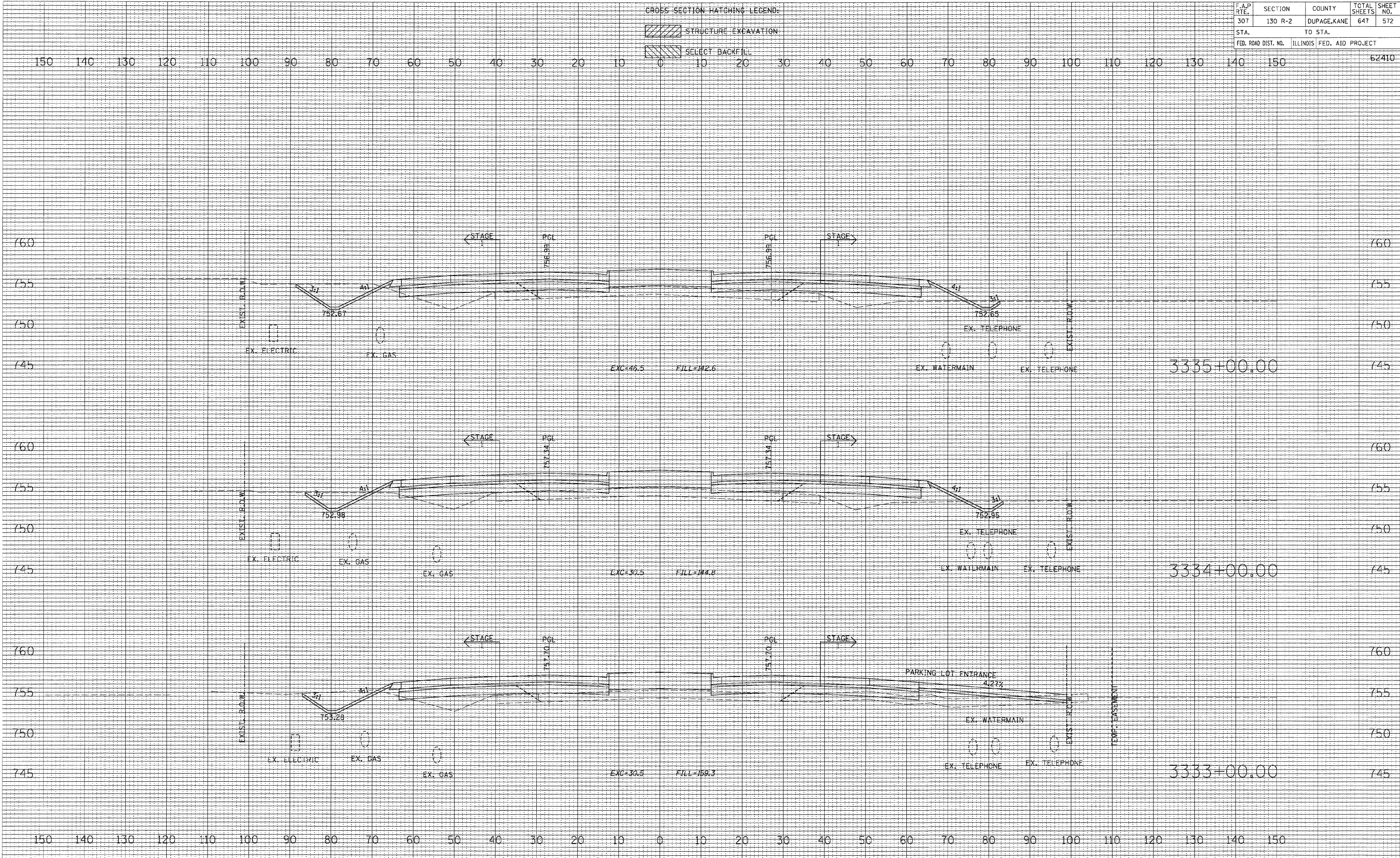
FINAL SURVEY PLOTTED DATE AREAS CHECKED

ORIGINAL SURVEY PLOTTED DATE AREAS CHECKED

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	572
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CROSS SECTION HATCHING LEGEND:



- STRUCTURE EXCAVATION
- SELECT BACKFILL

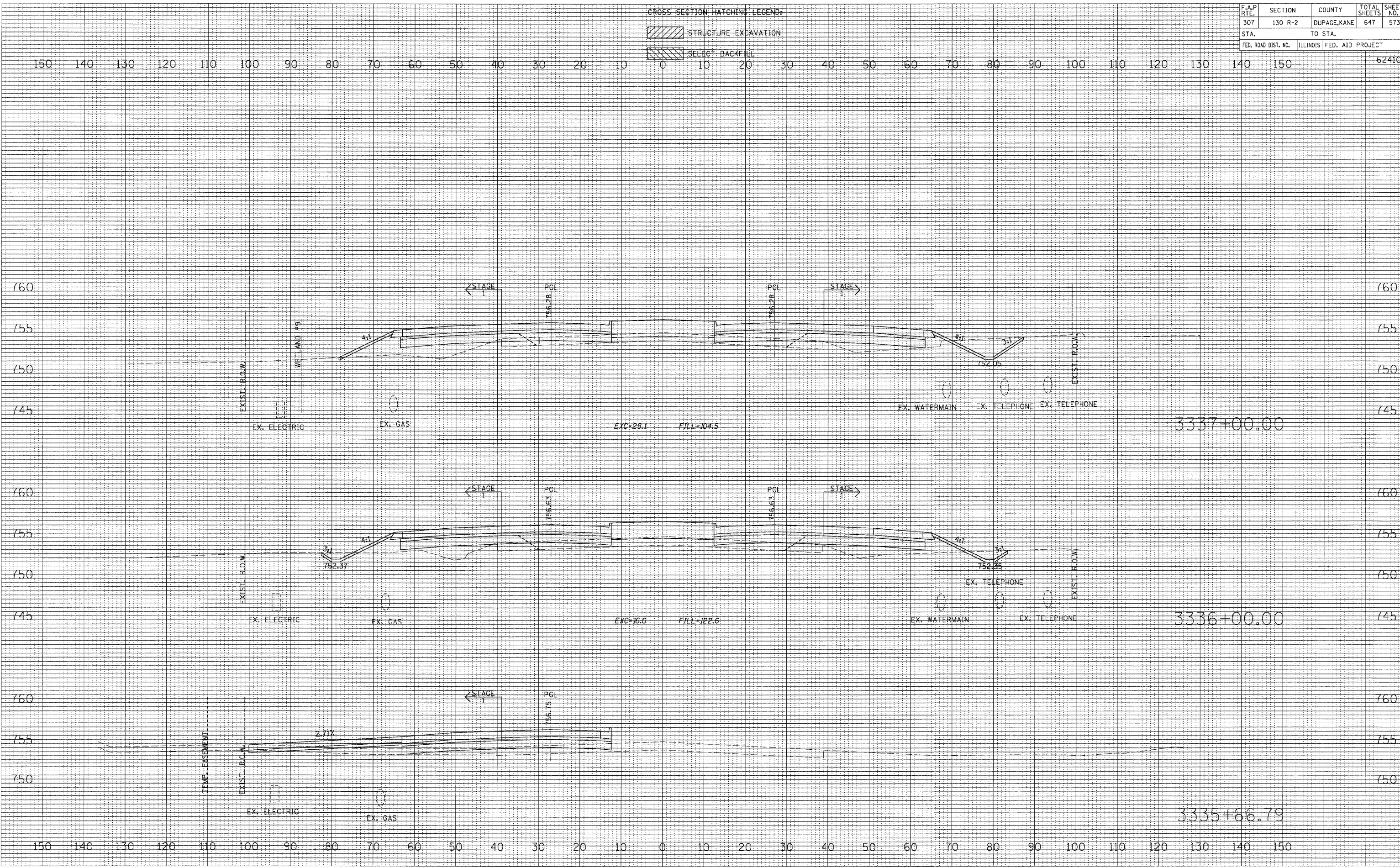


DATE: _____
 BY: _____
 SURVEYED: _____
 PLOTTED: _____
 FINAL SURVEY: _____
 NOTE BOOK: _____
 NO. _____

DATE: _____
 BY: _____
 SURVEYED: _____
 PLOTTED: _____
 ORIGINAL SURVEY: _____
 NOTE BOOK: _____
 NO. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	573
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



CROSS SECTION HATCHING LEGEND:
 STRUCTURE EXCAVATION
 SELECT BACKFILL



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

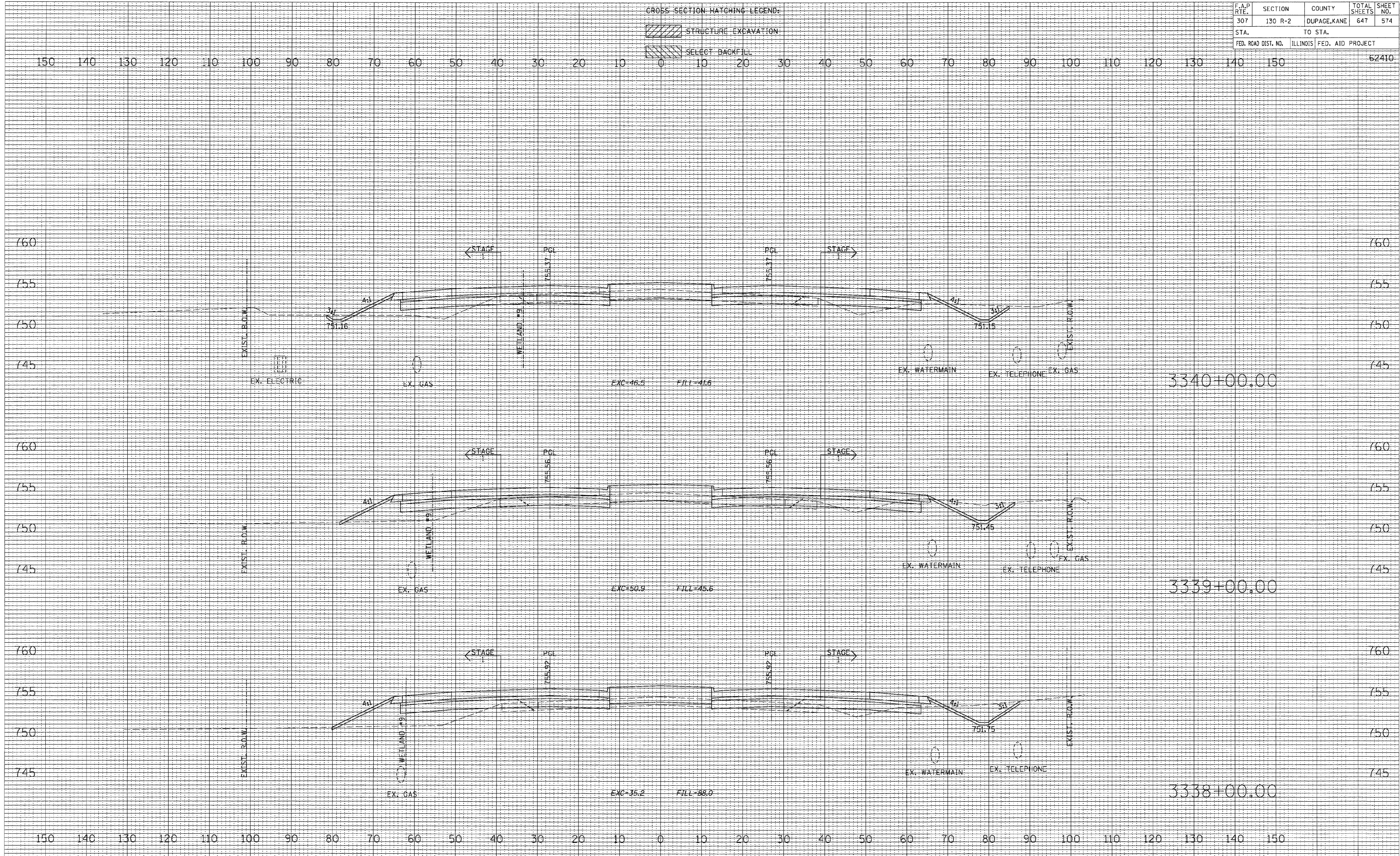
DATE: _____
 BY: _____
 ORIGINAL SURVEY: _____
 SURVEY PLOTTED: _____
 NOTE BOOK NO.: _____
 DATE: _____
 AREAS CHECKED: _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	574
STA. 3340+00.00		TO STA. 62410		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



CROSS SECTION HATCHING LEGEND:
 STRUCTURE EXCAVATION
 SELECT BACKFILL

DATE _____
 BY _____
 SURVEYED _____
 PLOTTED _____
 NOTE BOOK NO. _____
 DATE _____
 AREAS CHECKED _____

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

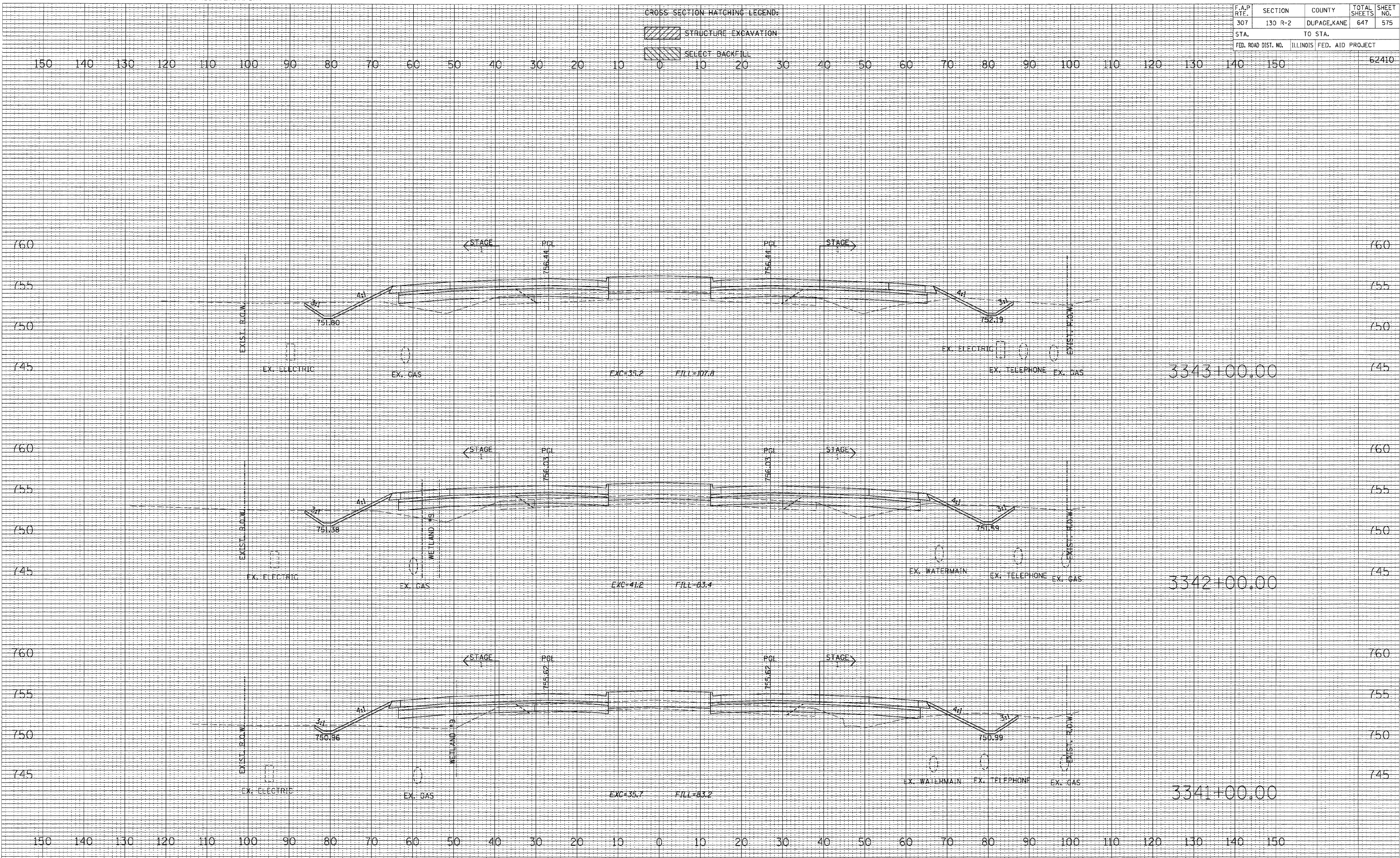


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	575
STA.		TO STA.		62410
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CROSS SECTION MATCHING LEGEND:
 STRUCTURE EXCAVATION
 SELECT BACKFILL



DATE _____ BY _____
 SURVEYED _____
 PLOTTED _____
 NOTE BOOK _____
 AREAS _____
 CHECKED _____

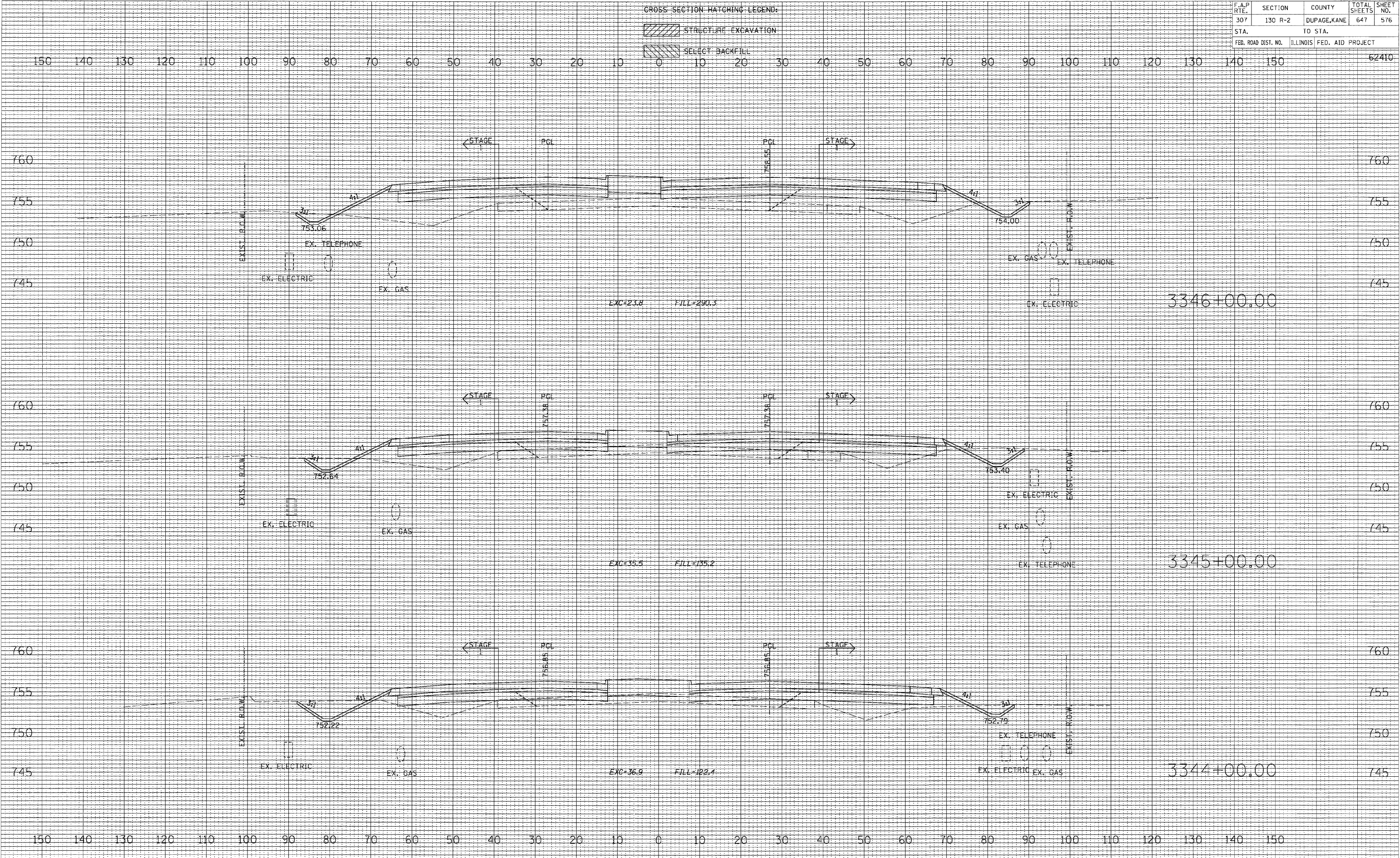
DATE _____ BY _____
 SURVEYED _____
 PLOTTED _____
 NOTE BOOK _____
 AREAS _____
 CHECKED _____



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	576
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

GROSS SECTION HATCHING LEGEND:

-  STRUCTURE EXCAVATION
-  SELECT BACKFILL




DATE _____
 BY _____
 SURVEYED _____
 PLOTTED _____
 NOTE BOOK _____
 AREAS CHECKED _____
 NO. _____


DATE _____
 BY _____
 SURVEYED _____
 PLOTTED _____
 NOTE BOOK _____
 AREAS CHECKED _____
 NO. _____

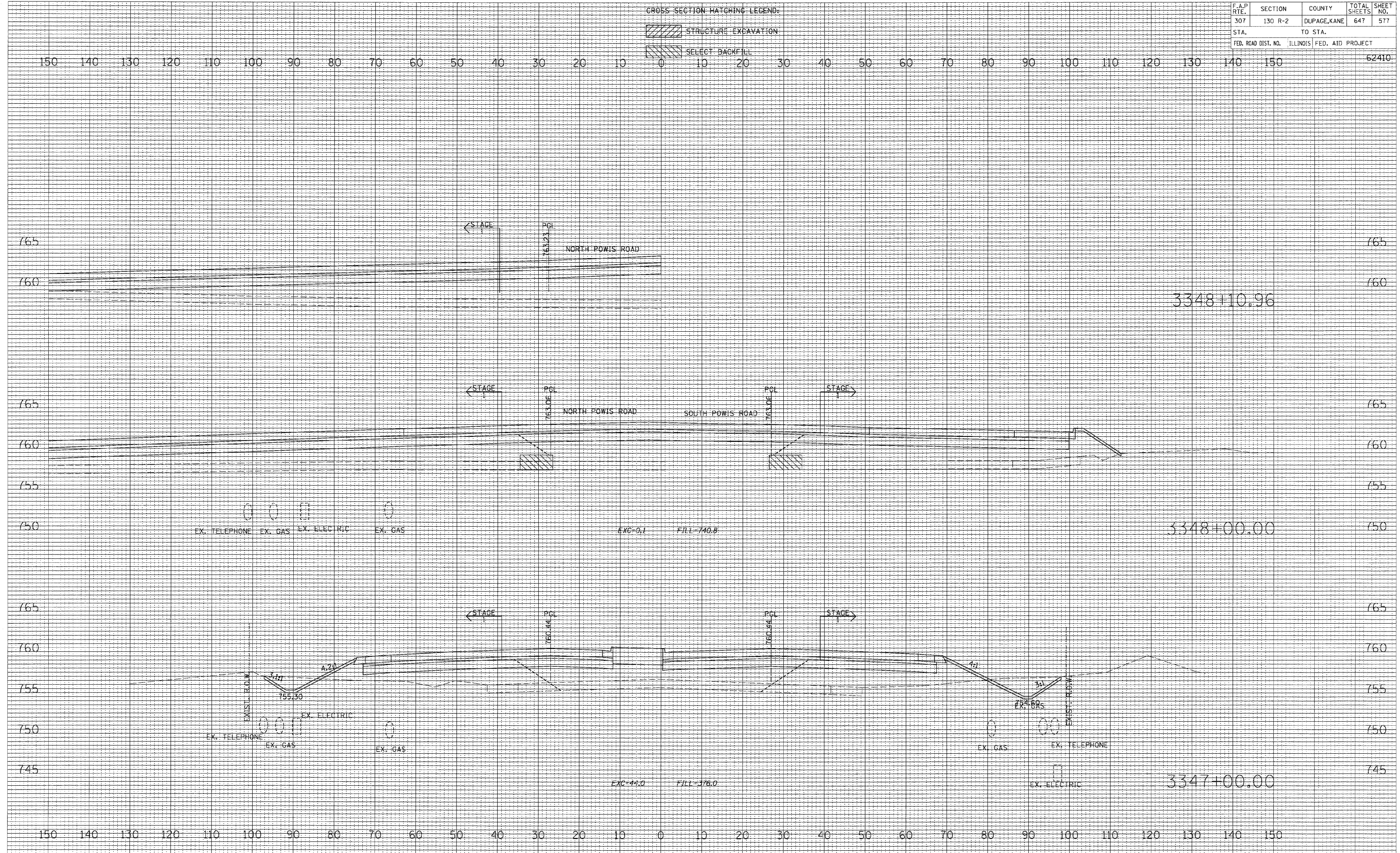


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	577
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CROSS SECTION HATCHING LEGEND:

 STRUCTURE EXCAVATION

 SELECT BACKFILL



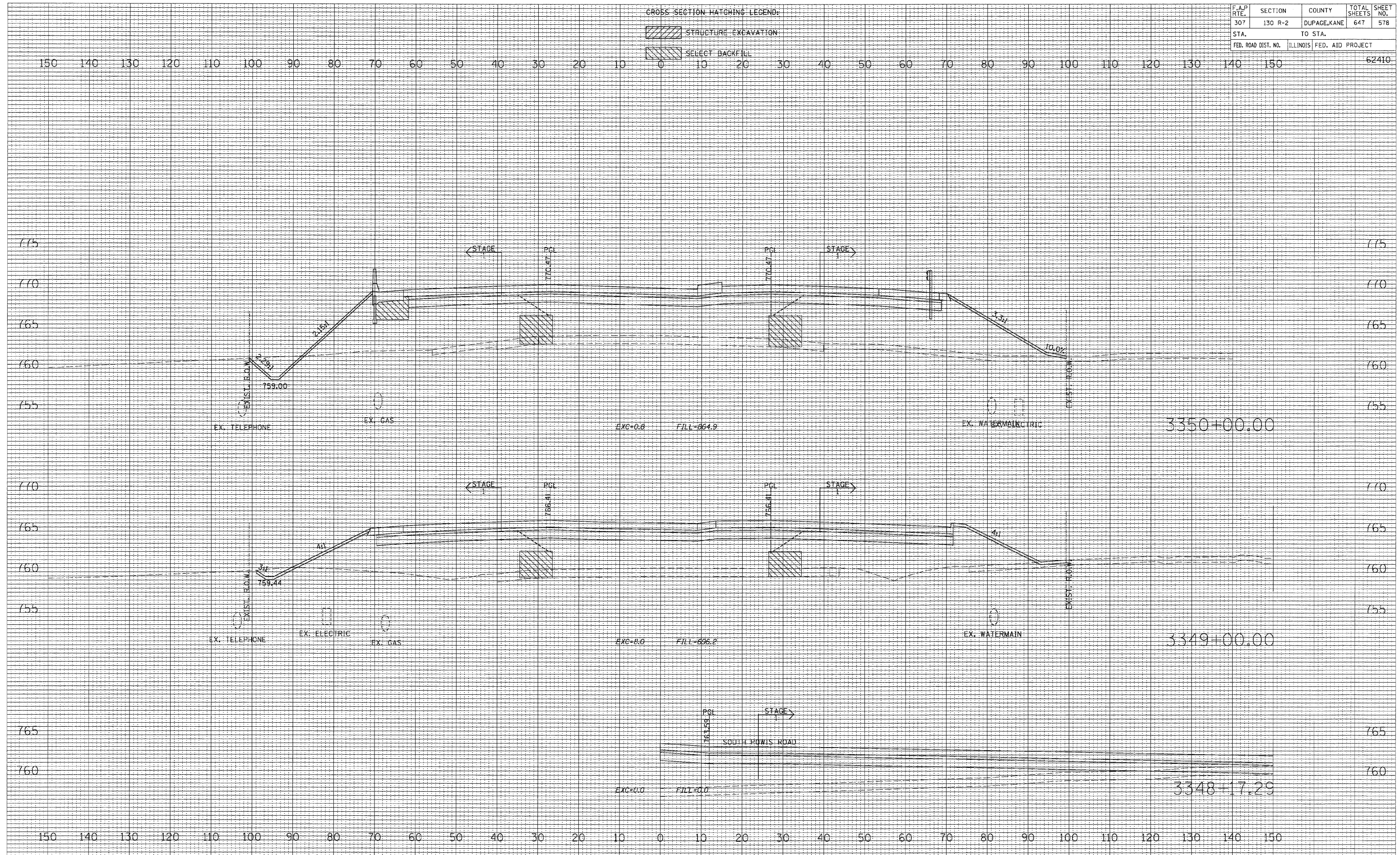
DATE
 BY
 SURVEYED
 PLOTTED
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 AREAS CHECKED
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DATE
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 SURVEYED
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 DATE
 NO. TO BOOK
 AREAS
 AREAS CHECKED
 NO.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	578
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CROSS-SECTION HATCHING LEGEND:

- STRUCTURE EXCAVATION
- SELECT BACKFILL



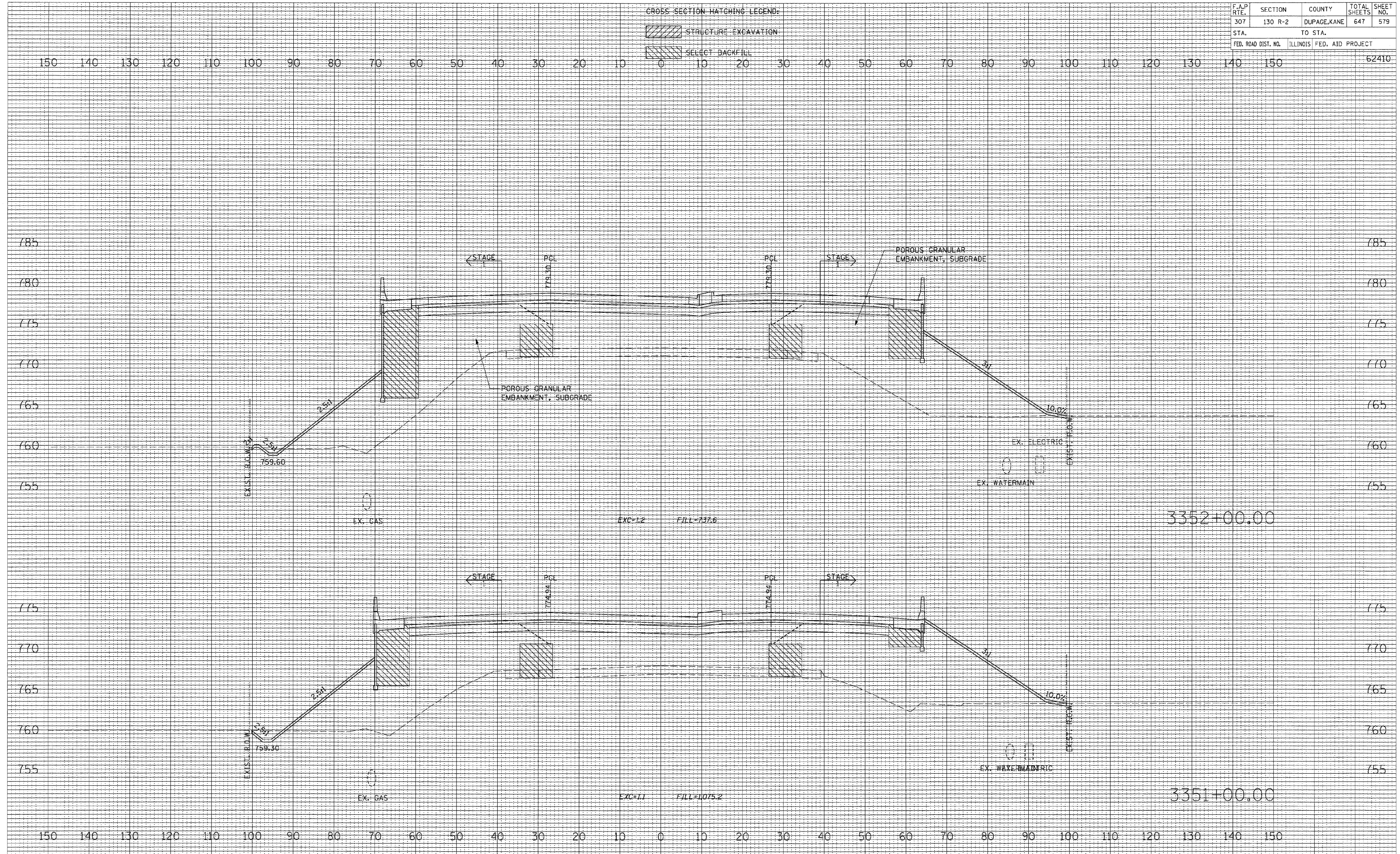
BY	DATE

BY	DATE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	579
STA. TO STA.		ILLINOIS FED. AID PROJECT		
FED. ROAD DIST. NO.		62410		

CROSS-SECTION HATCHING LEGEND:

- STRUCTURE EXCAVATION
- SELECT BACKFILL



BY	DATE

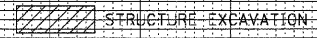
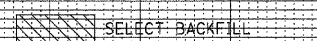
FINAL SURVEY	FLOTTED	DATE

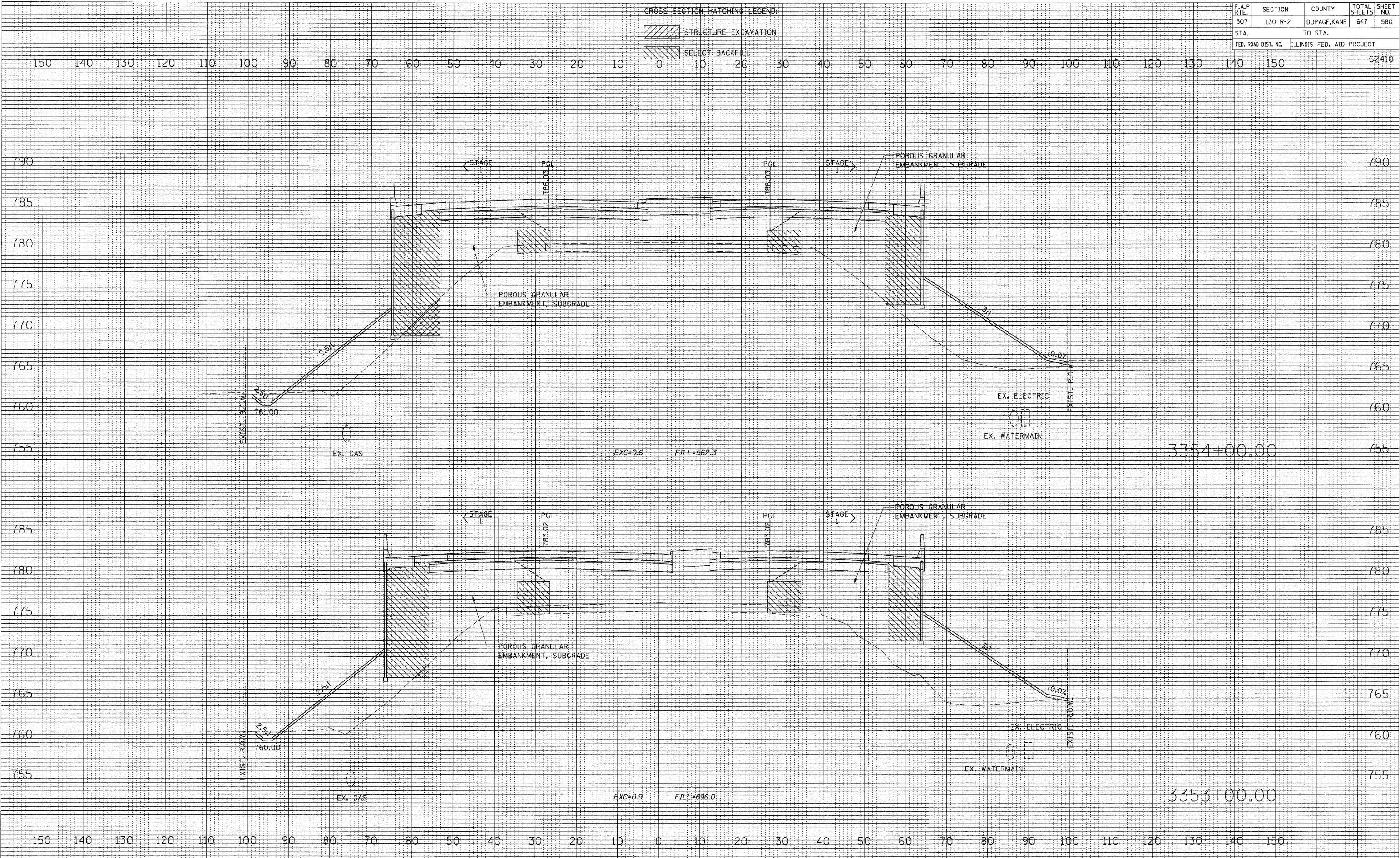
BY	DATE

ORIGINAL SURVEY	FLOTTED	DATE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	580
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

CROSS SECTION HATCHING LEGEND:

-  STRUCTURE EXCAVATION
-  SELECT BACKFILL



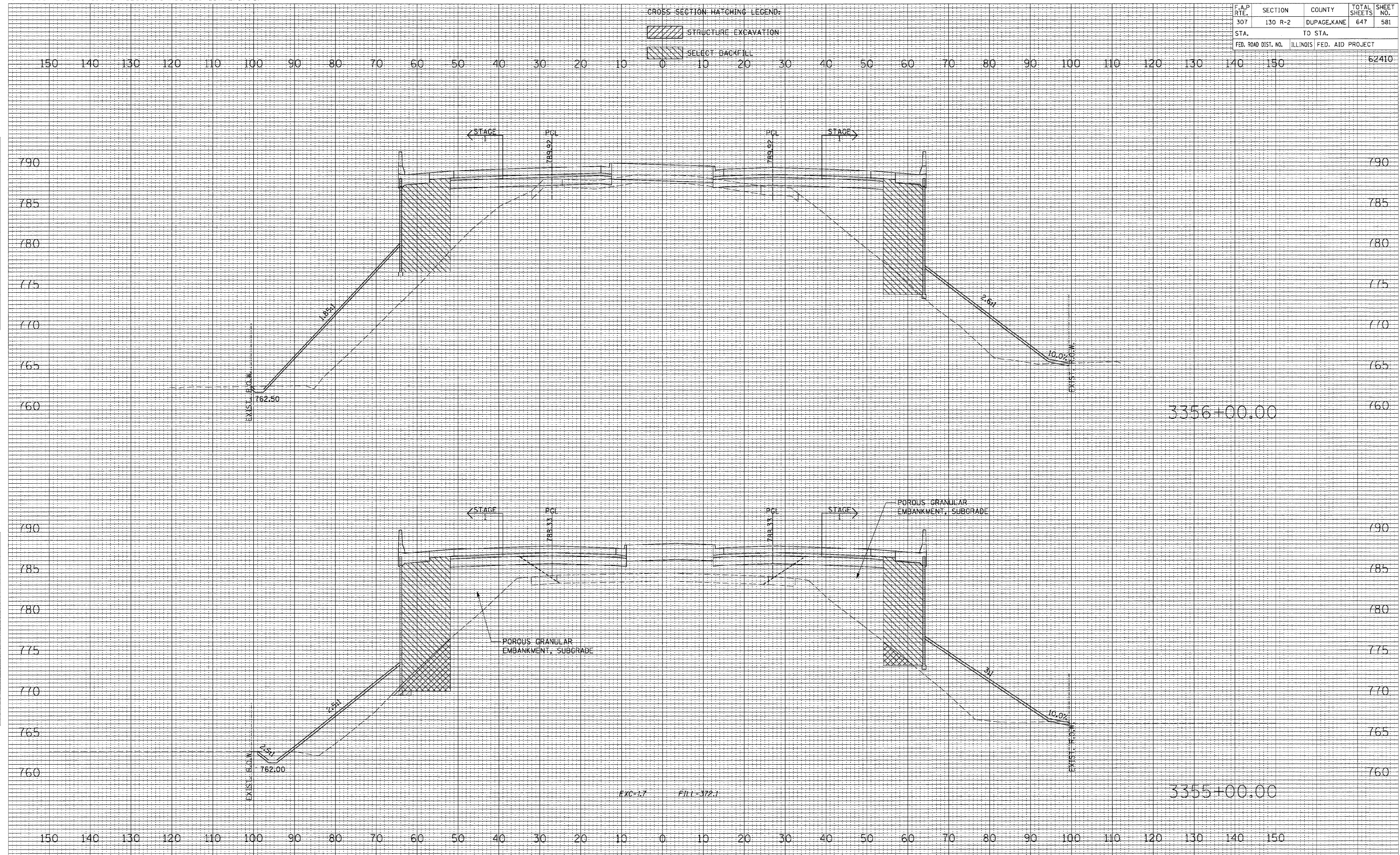
DATE
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 SURVEYED
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DATE
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 PLOTTED
 NOTE BOOK
 AREAS
 AREAS CHECKED

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	581
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CROSS SECTION HATCHING LEGEND:

- STRUCTURE EXCAVATION
- SELECT BACKFILL



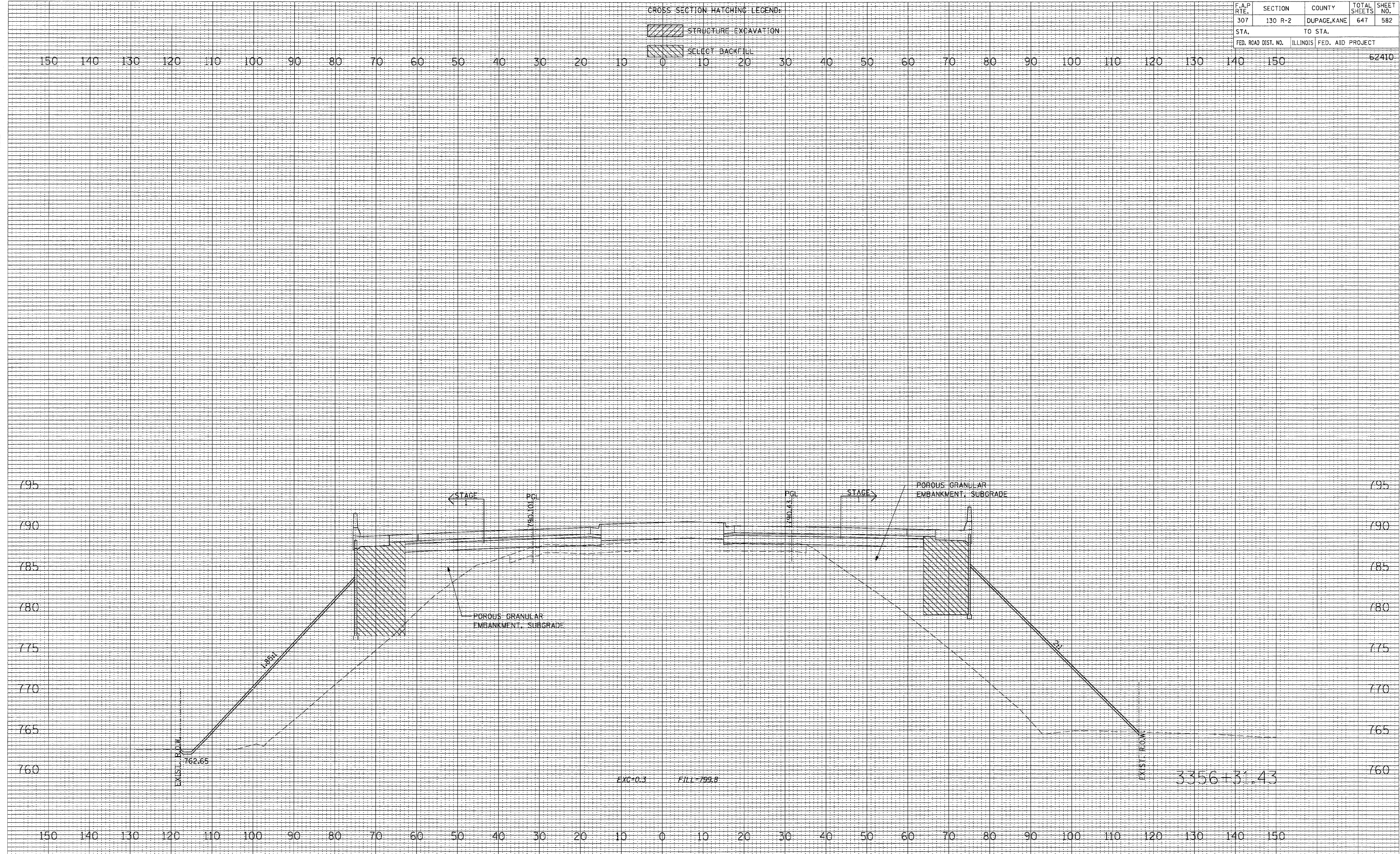
DATE _____
 BY _____
 SURVEYED _____
 SURVEY _____
 NOTE BOOK _____
 TEMPLATE _____
 AREAS _____
 AREAS CHECKED _____

DATE _____
 BY _____
 SURVEYED _____
 SURVEY _____
 NOTE BOOK _____
 TEMPLATE _____
 AREAS _____
 AREAS CHECKED _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	582
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CROSS SECTION HATCHING LEGEND:

- STRUCTURE EXCAVATION
- SELECT BACKFILL



DATE	
BY	
SURVEYED	
PLOTTED	
DATE	
AREAS CHECKED	
NO.	

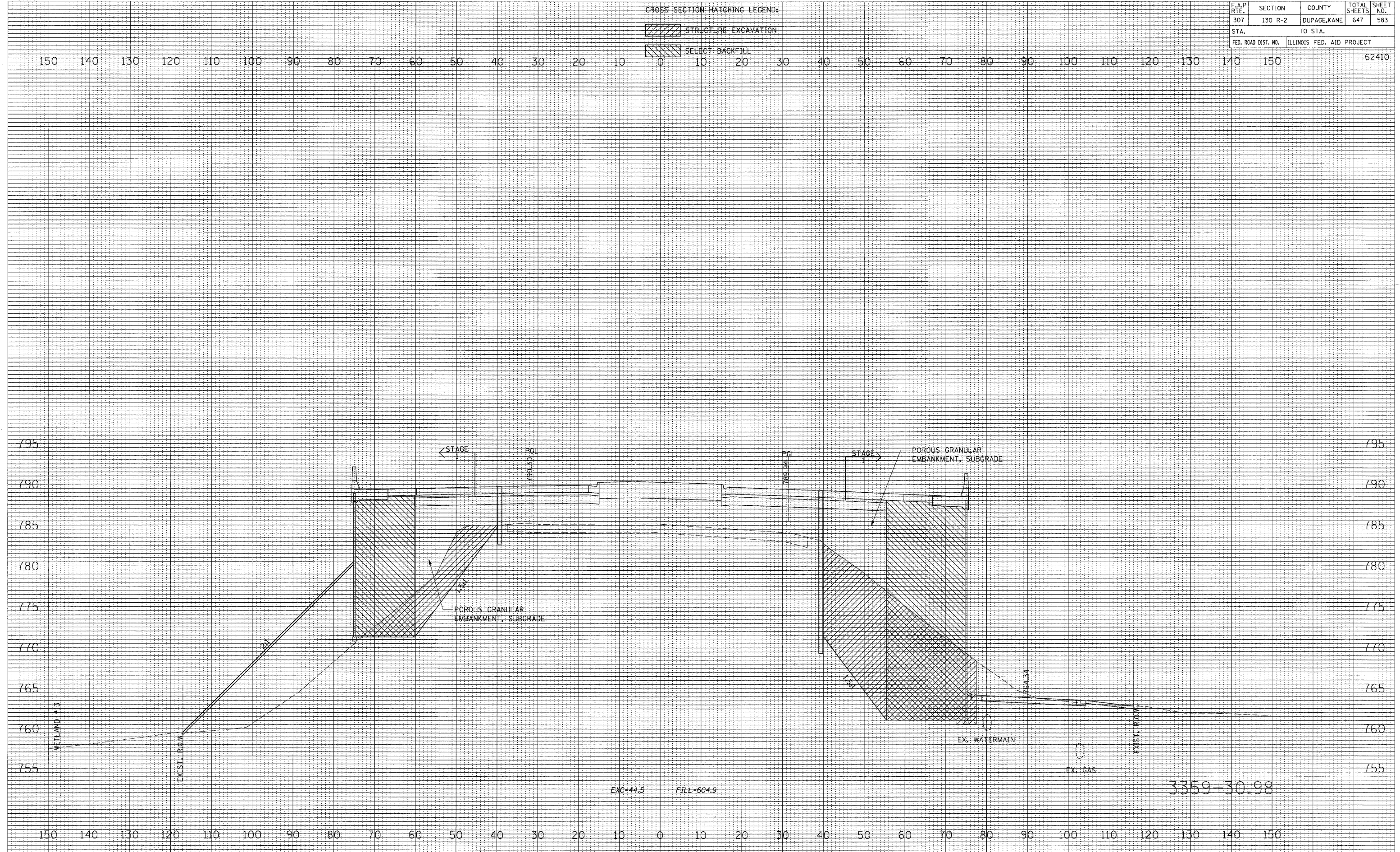
DATE	
BY	
SURVEYED	
PLOTTED	
DATE	
AREAS CHECKED	
NO.	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	583
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		62410

CROSS SECTION HATCHING LEGEND:

STRUCTURE EXCAVATION

SELECT BACKFILL



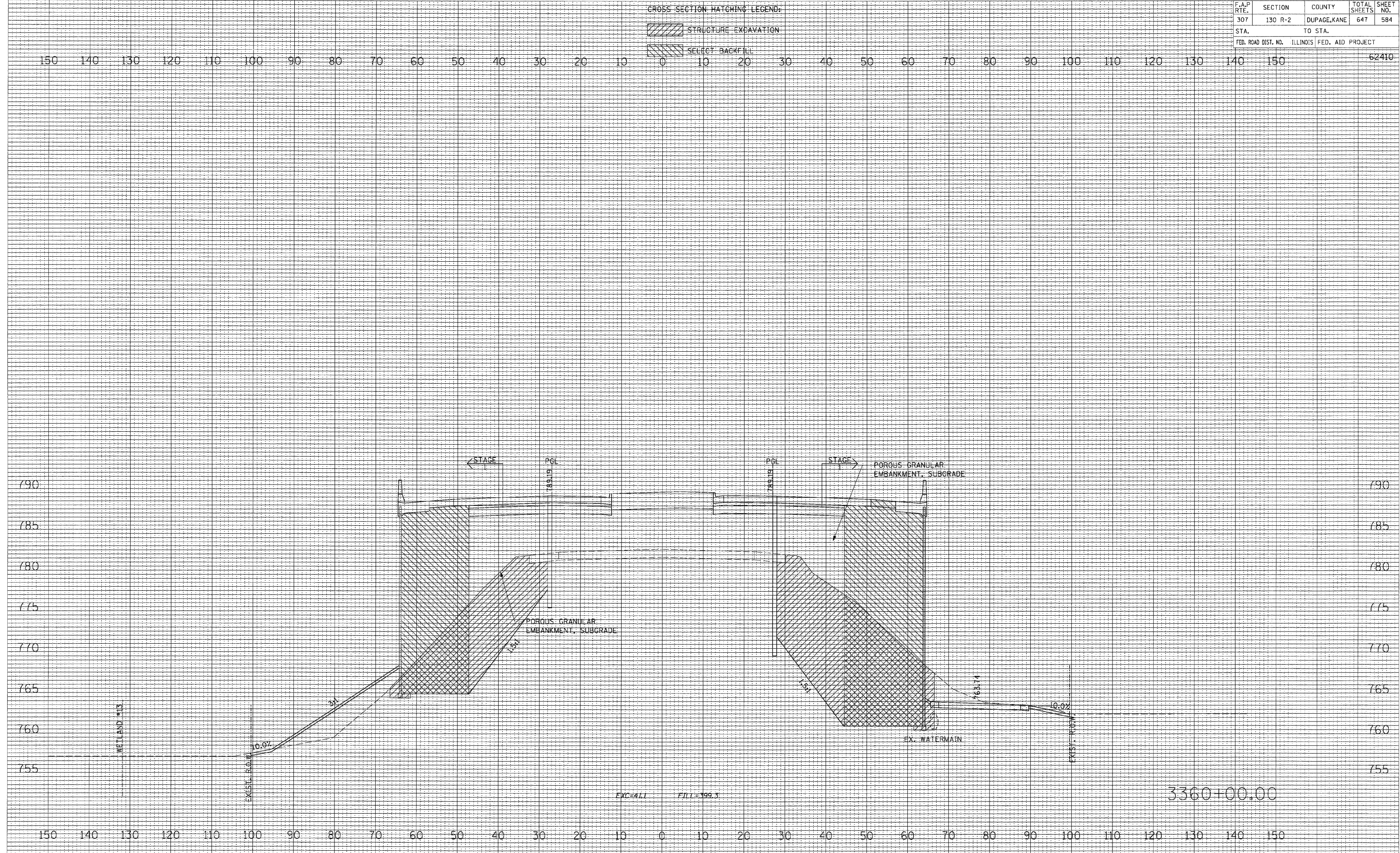
BY	DATE
FINAL SURVEY SURVEYED	PLOTTED
NOTE BOOK	DATE
NO.	AREAS CHECKED

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	584
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

CROSS SECTION HATCHING LEGEND:

- STRUCTURE EXCAVATION
- SELECT BACKFILL



DATE	BY


DATE	BY

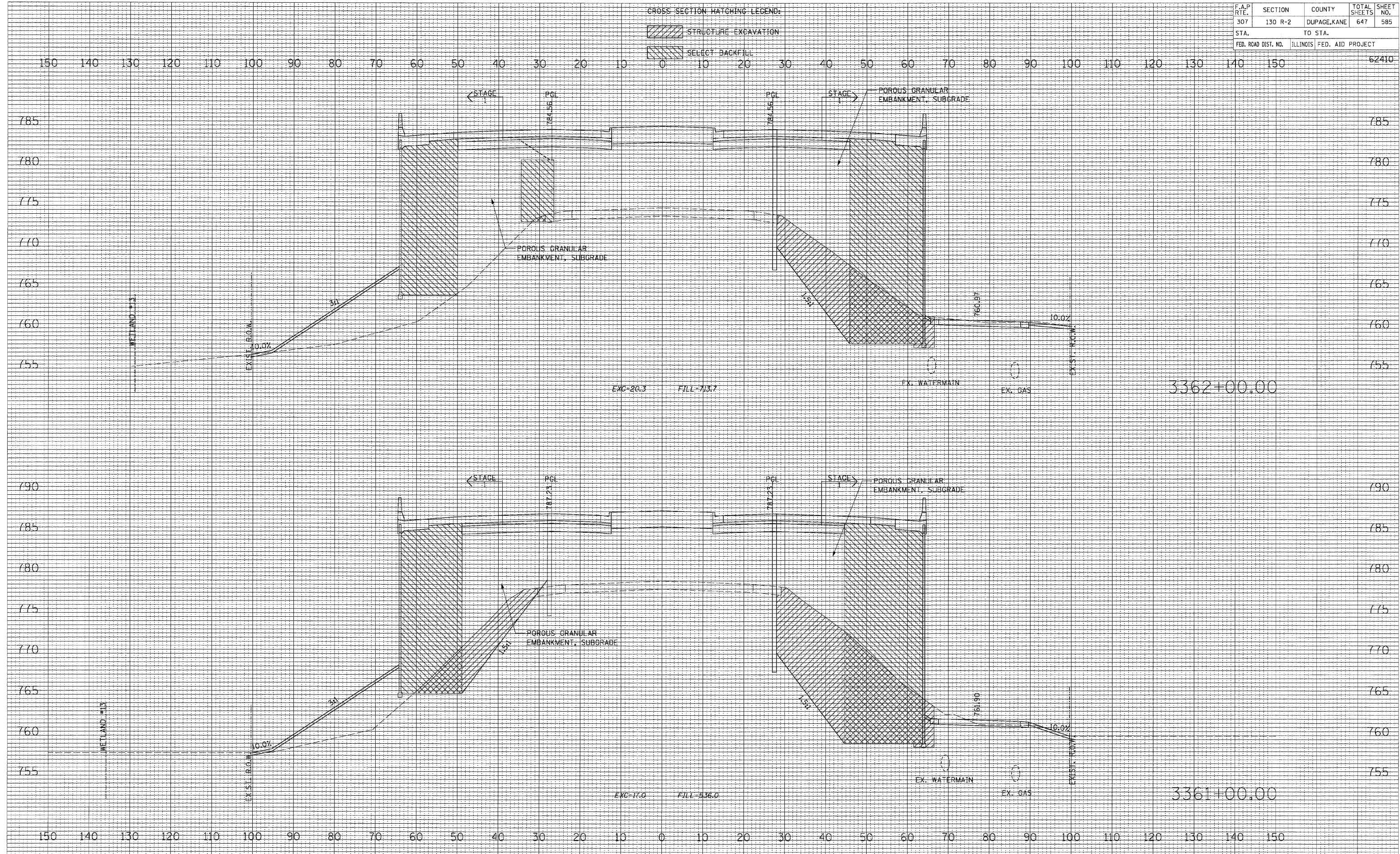
DATE	BY

DATE	BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	585
STA.		TO STA.		62410
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CROSS SECTION HATCHING LEGEND:

-  STRUCTURE EXCAVATION
-  SELECT BACKFILL





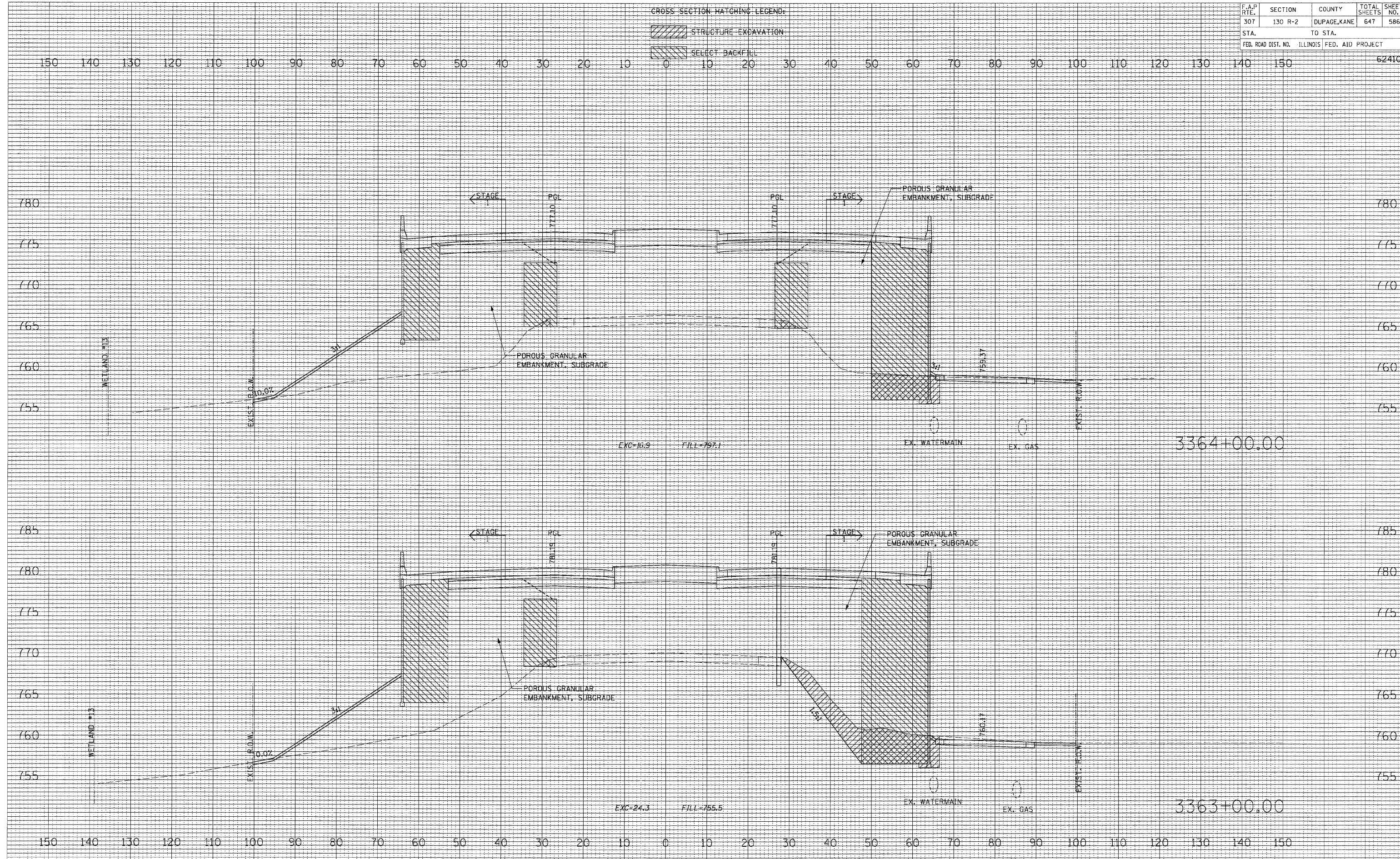
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	586
STA.	TO STA.			
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

CROSS SECTION HATCHING LEGEND:

-  STRUCTURE EXCAVATION
-  SELECT BACKFILL





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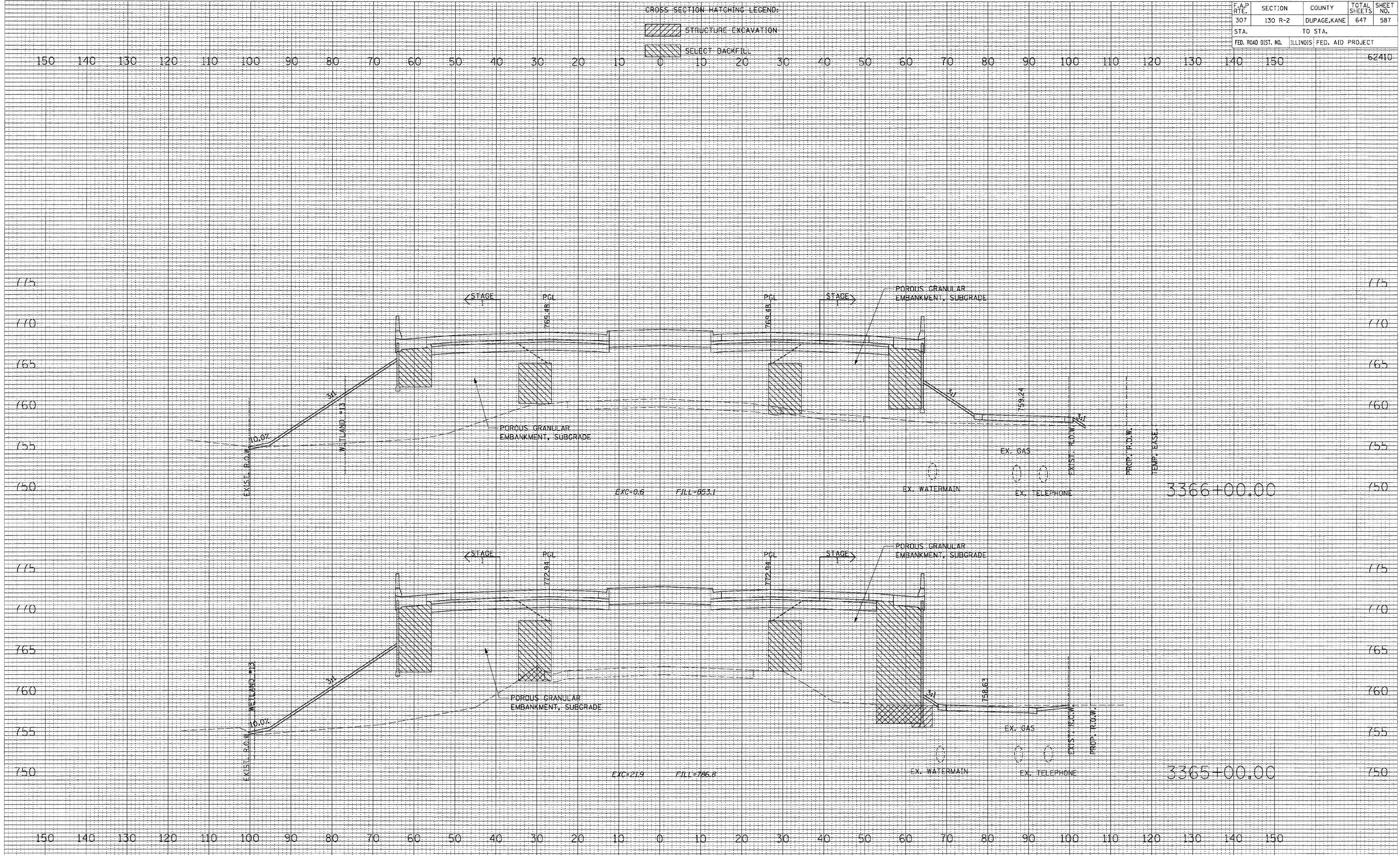
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	587
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CROSS SECTION HATCHING LEGEND:

-  STRUCTURE EXCAVATION
-  SELECT BACKFILL

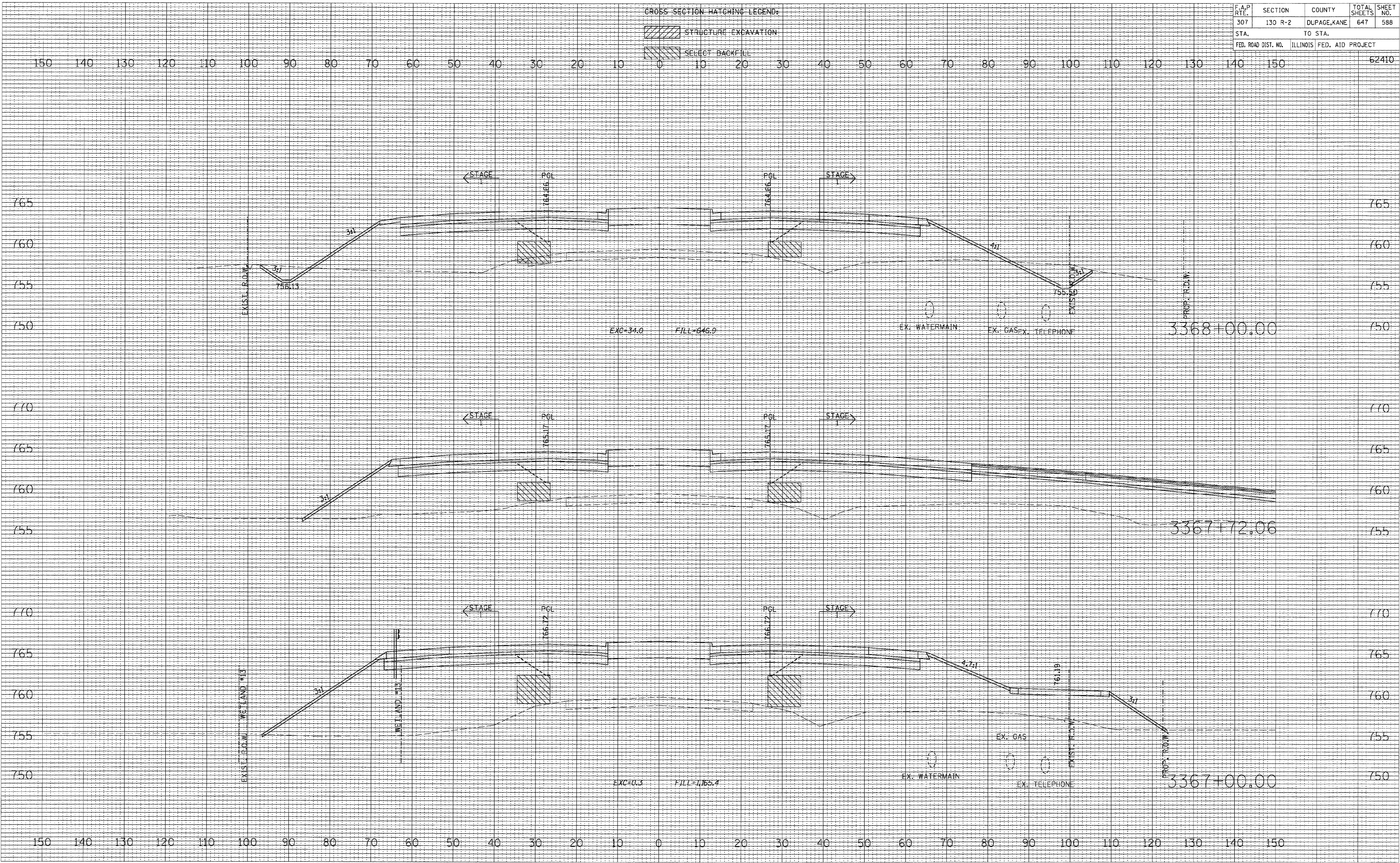
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ORIGINAL SURVEY	
SURVEYED	
PLOTTED	
TEMP. DATE	
NOTE BOOK	
AREAS CHECKED	



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	588
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CROSS SECTION HATCHING LEGEND:
 ▨ STRUCTURE EXCAVATION
 ▩ SELECT BACKFILL



DATE: _____
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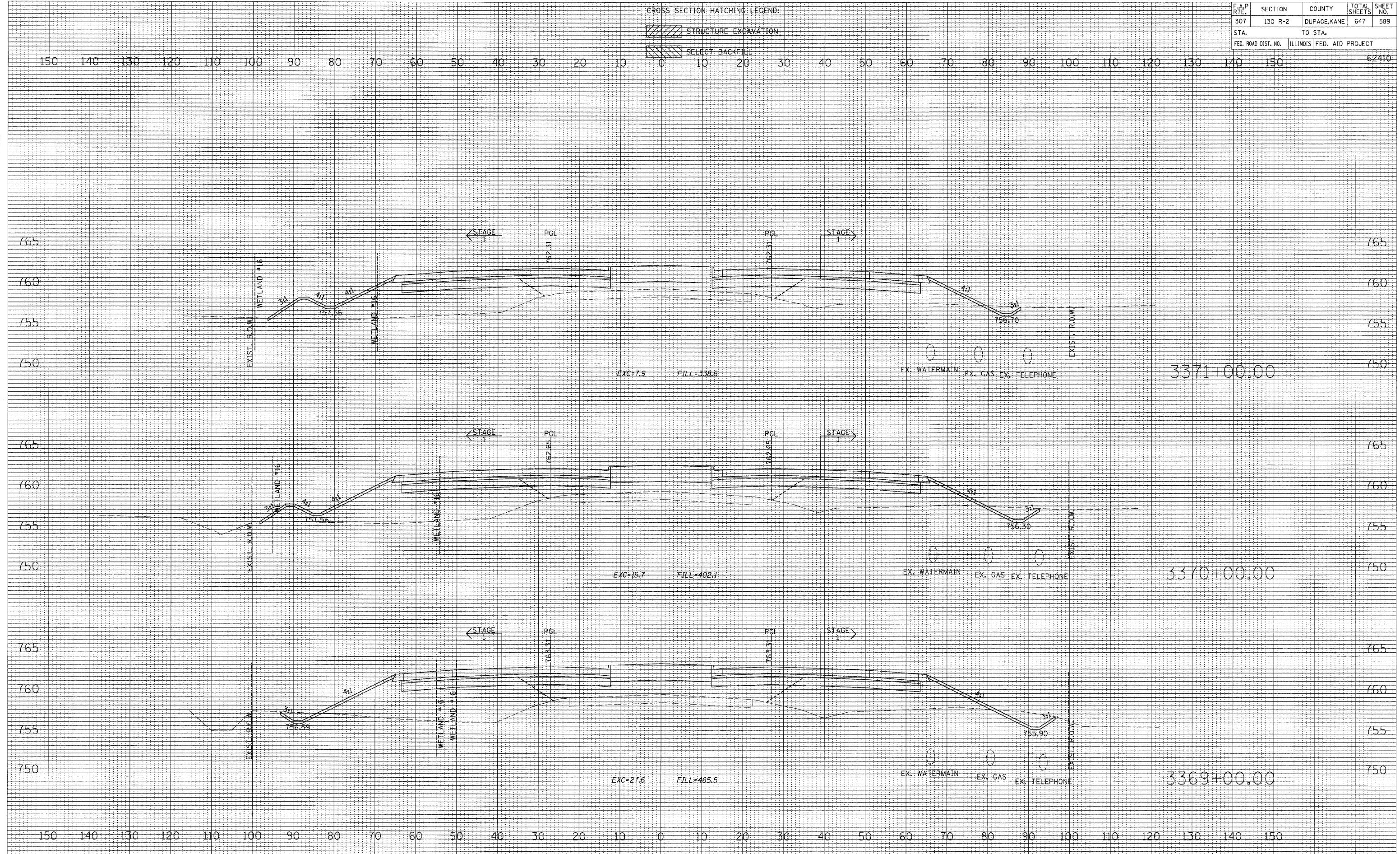
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 AREAS: _____
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	589
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CROSS SECTION HATCHING LEGEND:

- STRUCTURE EXCAVATION
- SELECT BACKFILL





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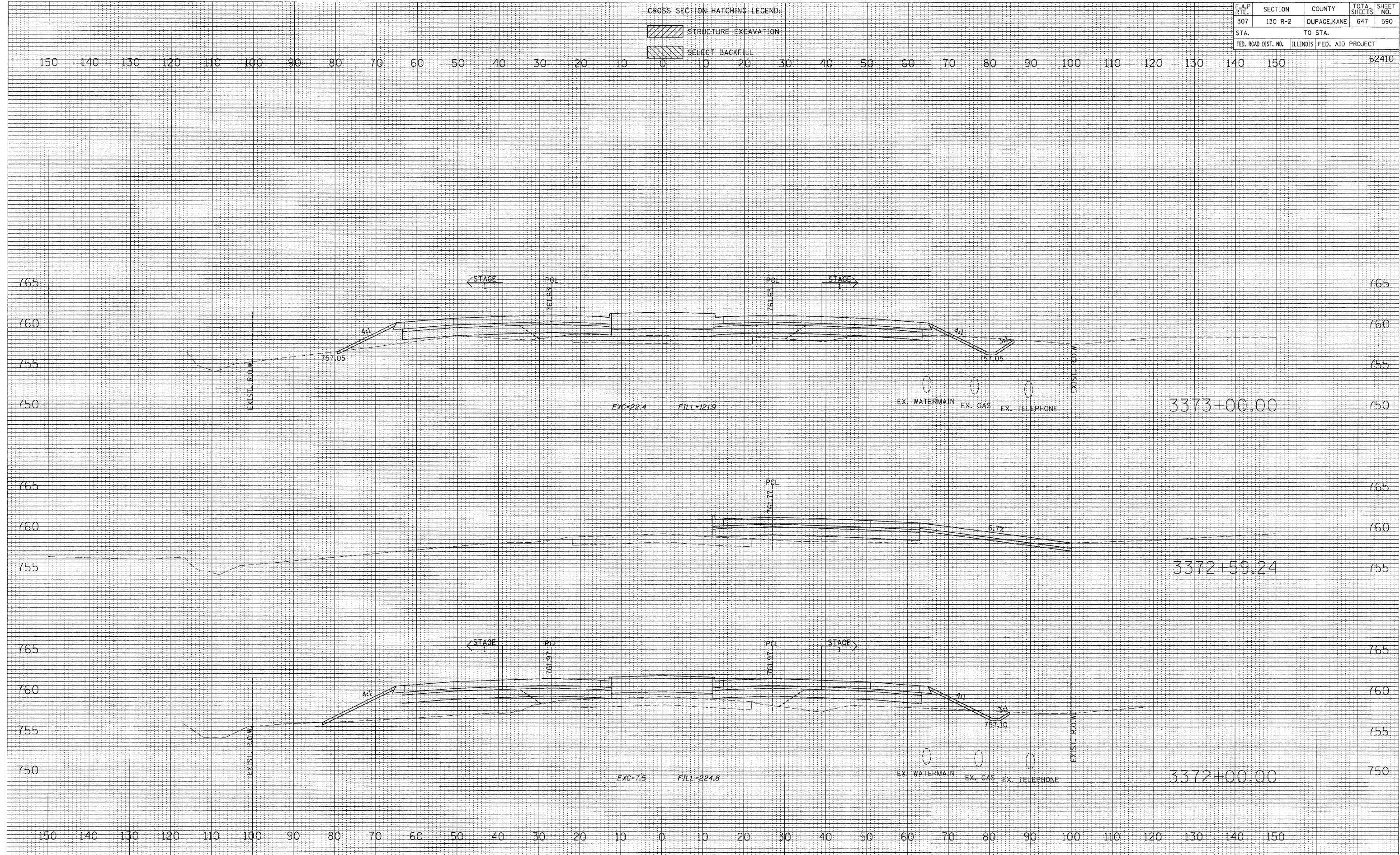
DATE	BY

DATE	BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	590
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		62410

CROSS SECTION HATCHING LEGEND:

-  STRUCTURE EXCAVATION
-  SELECT BACKFILL



BY	DATE

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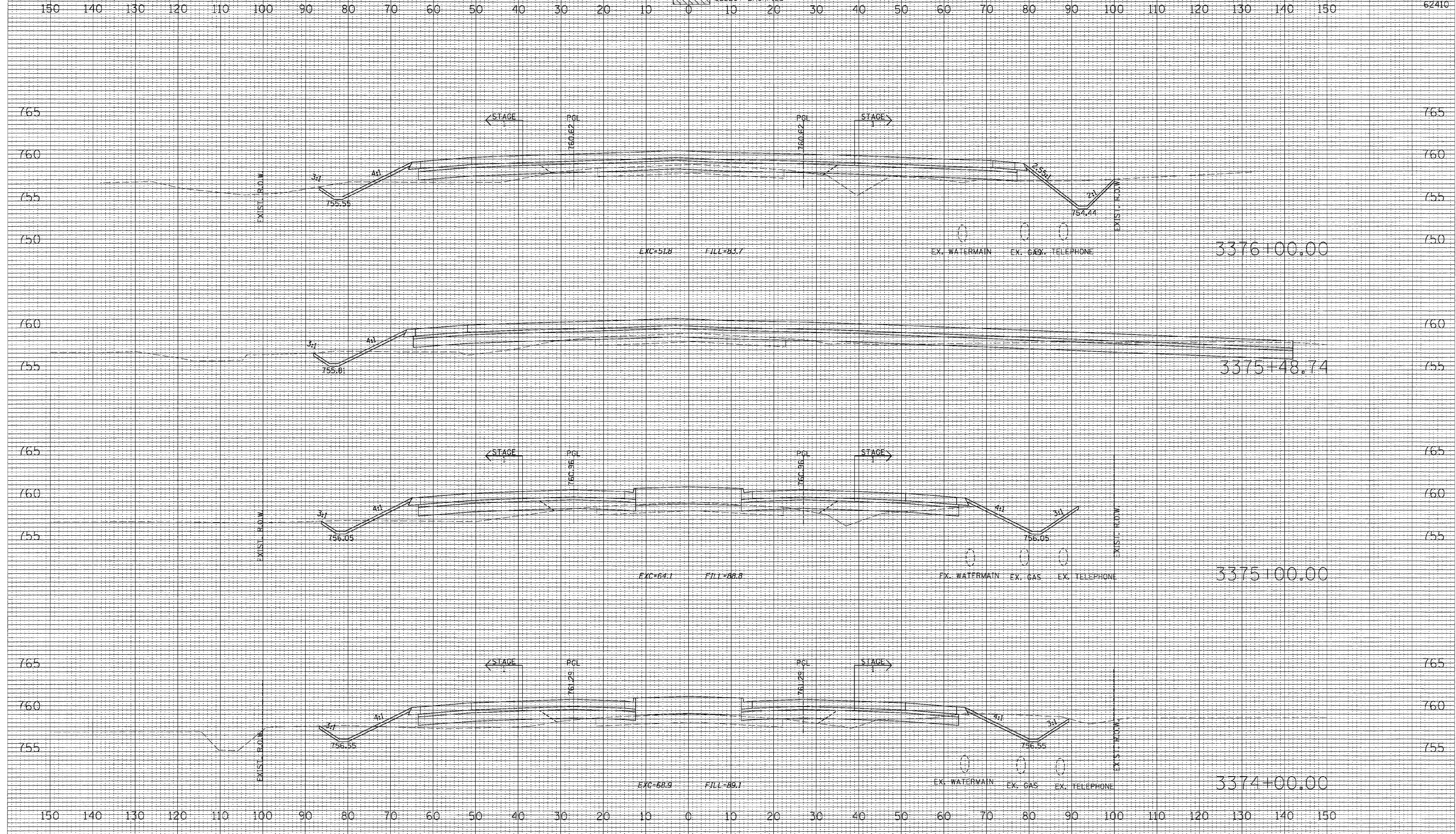
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ORIGINAL SURVEY PLOTTED DATE AREAS CHECKED

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	591
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CROSS SECTION HATCHING LEGEND:

- STRUCTURE EXCAVATION
- SELECT BACKFILL





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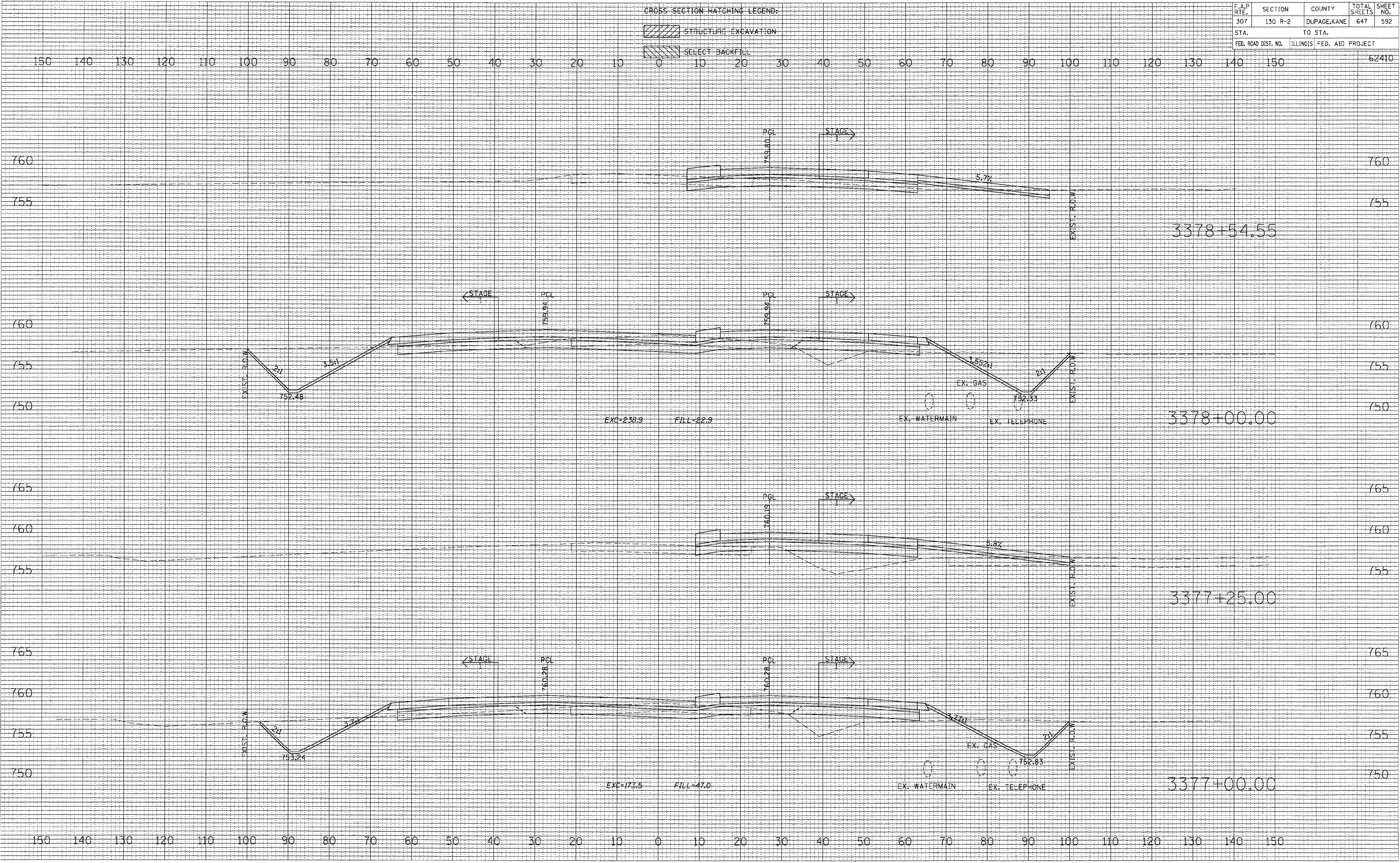
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DATE	BY

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	592
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CROSS-SECTION HATCHING LEGEND:
 STRUCTURE EXCAVATION
 SELECT BACKFILL



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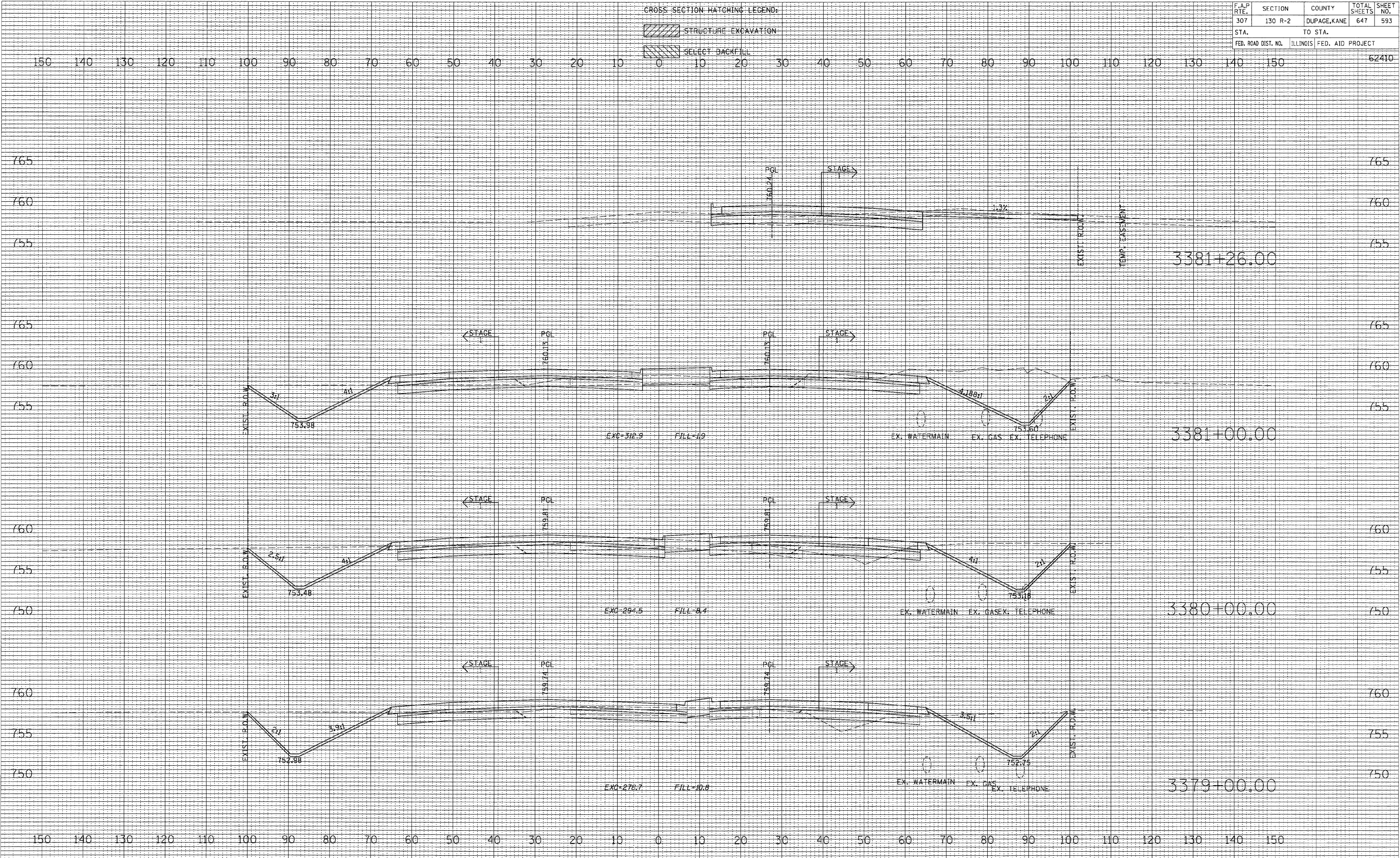
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 SURVEYED: _____
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 NOTE BOOK NO.: _____
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	593
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CROSS SECTION HATCHING LEGEND:

- STRUCTURE EXCAVATION
- SELECT BACKFILL



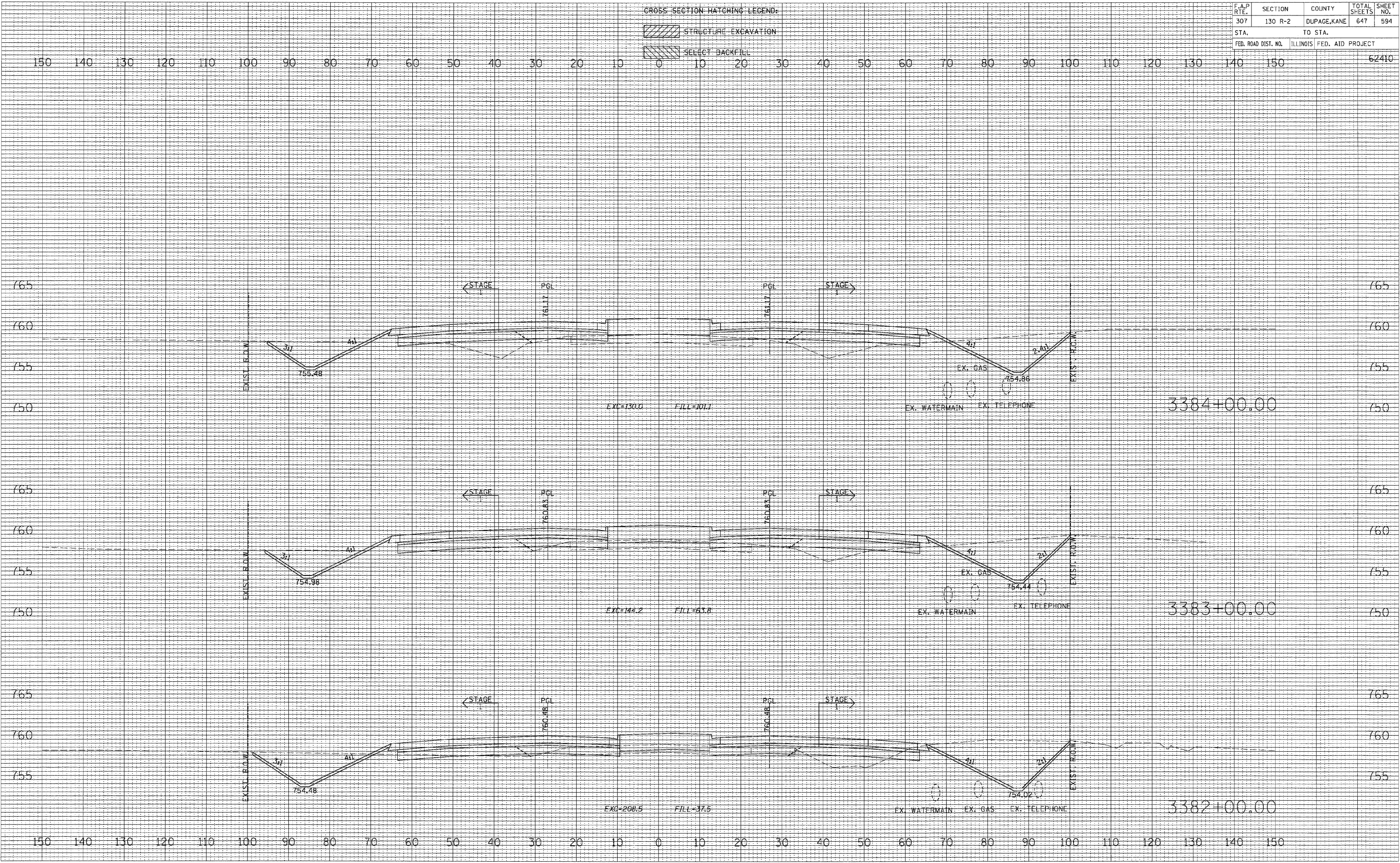
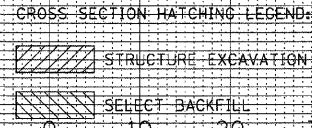
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FINAL SURVEY PLOTTED AREAS CHECKED

DATE	BY

ORIGINAL SURVEY PLOTTED AREAS CHECKED

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	594
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		62410		





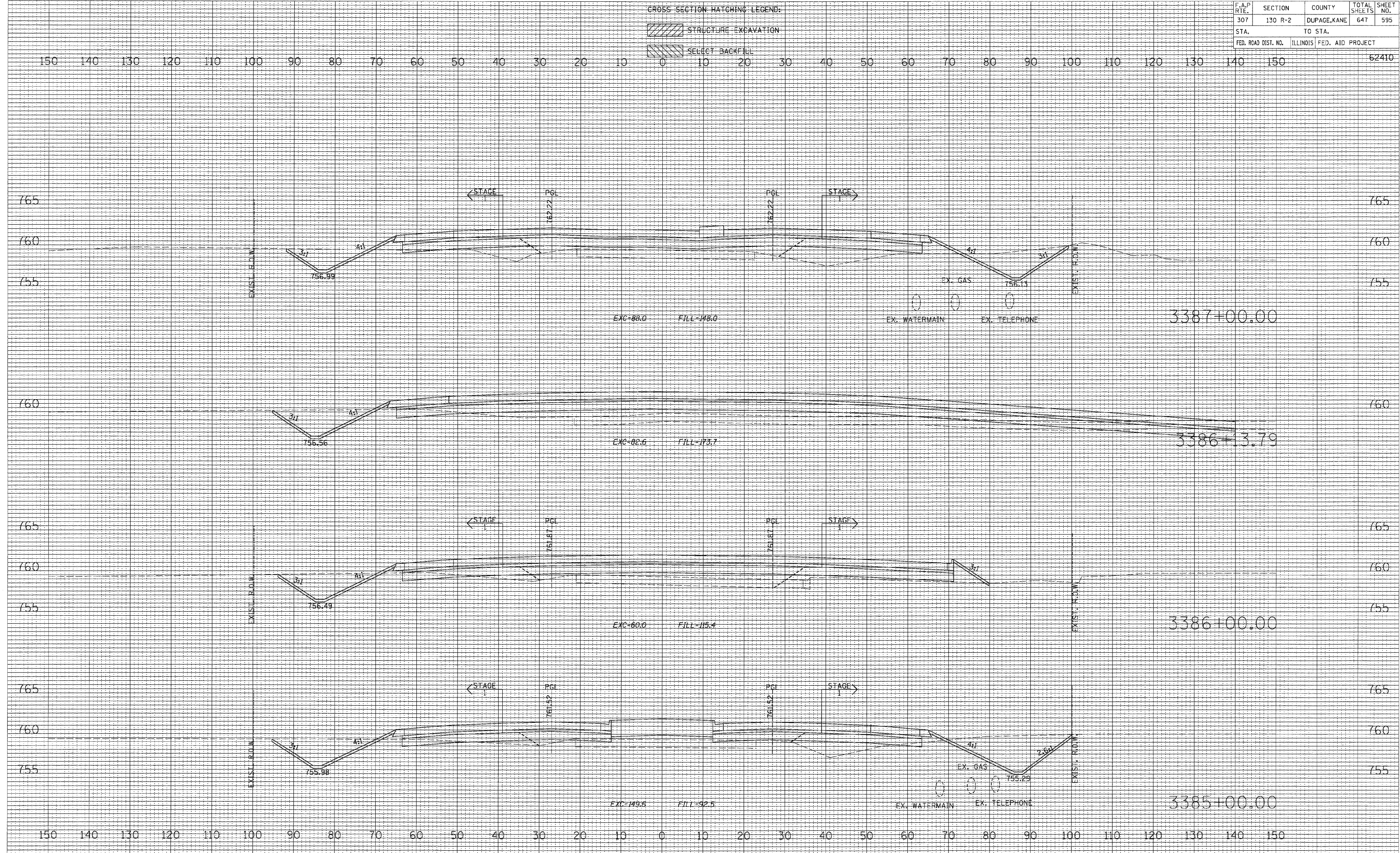
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	595
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CROSS SECTION HATCHING LEGEND:

-  STRUCTURE EXCAVATION
-  SELECT BACKFILL



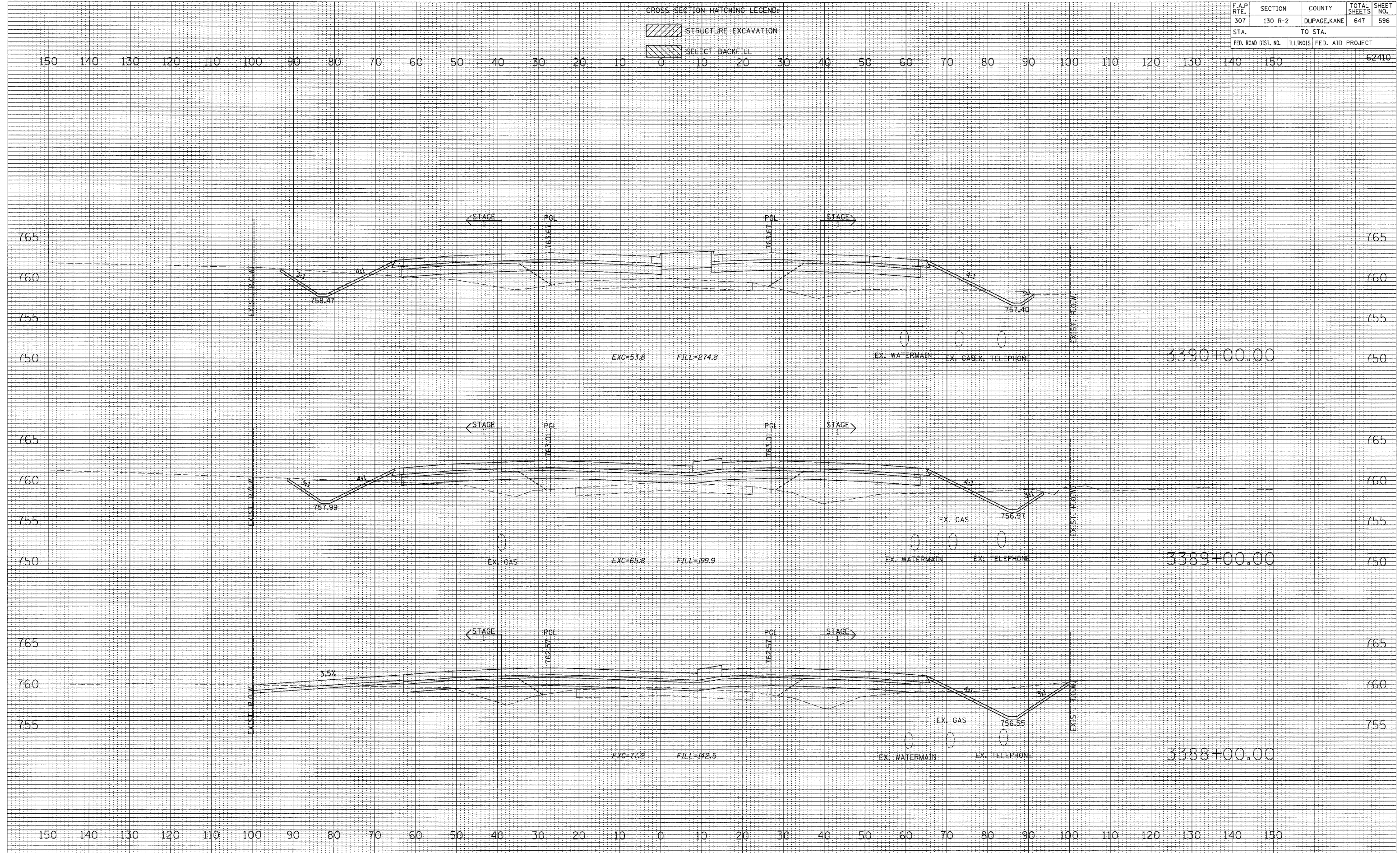
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 NOTE BOOK
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	596
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CROSS SECTION HATCHING LEGEND:

- STRUCTURE EXCAVATION
- SELECT BACKFILL



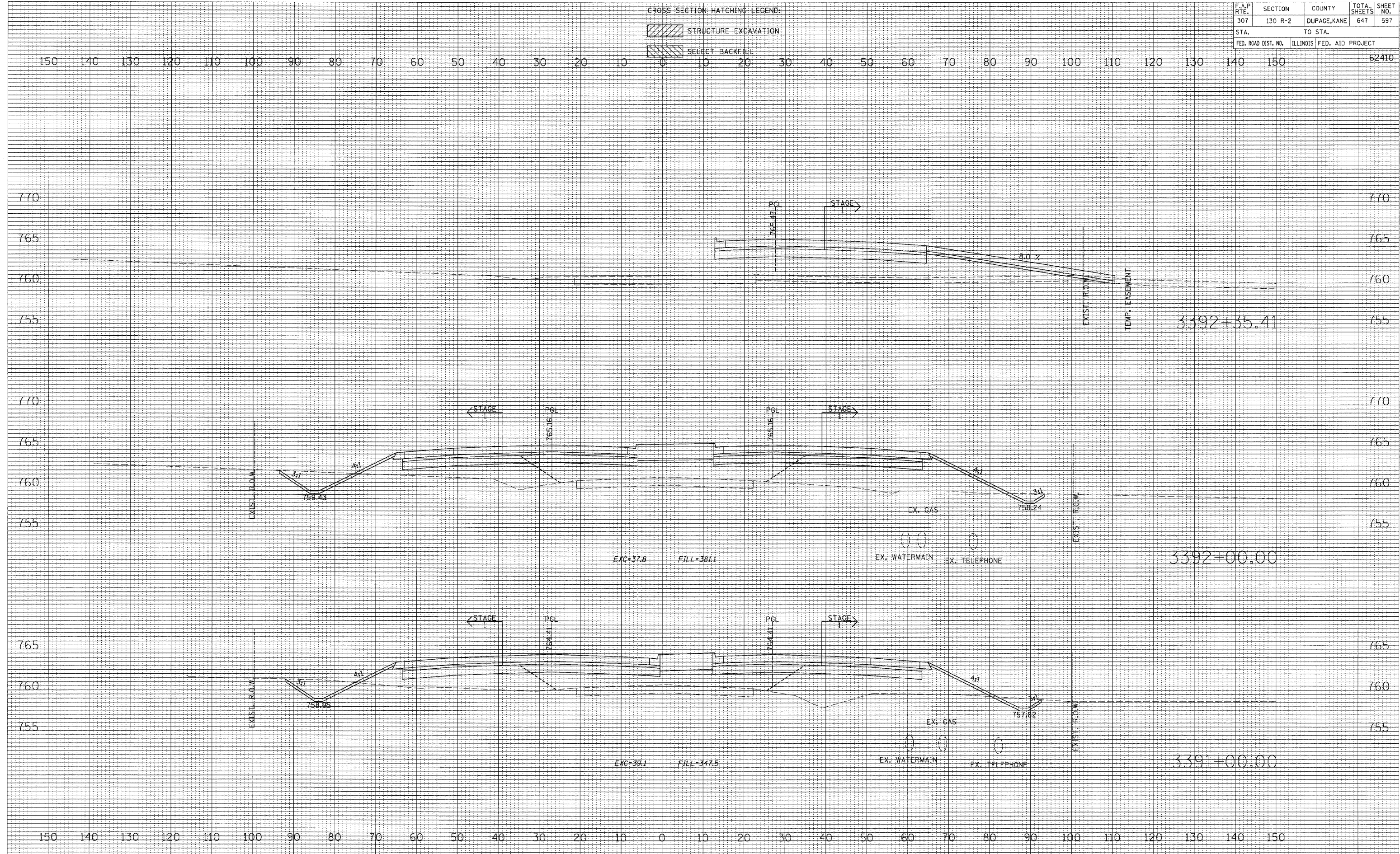
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	597
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

CROSS SECTION HATCHING LEGEND:

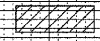
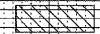
- STRUCTURE EXCAVATION
- SELECT BACKFILL



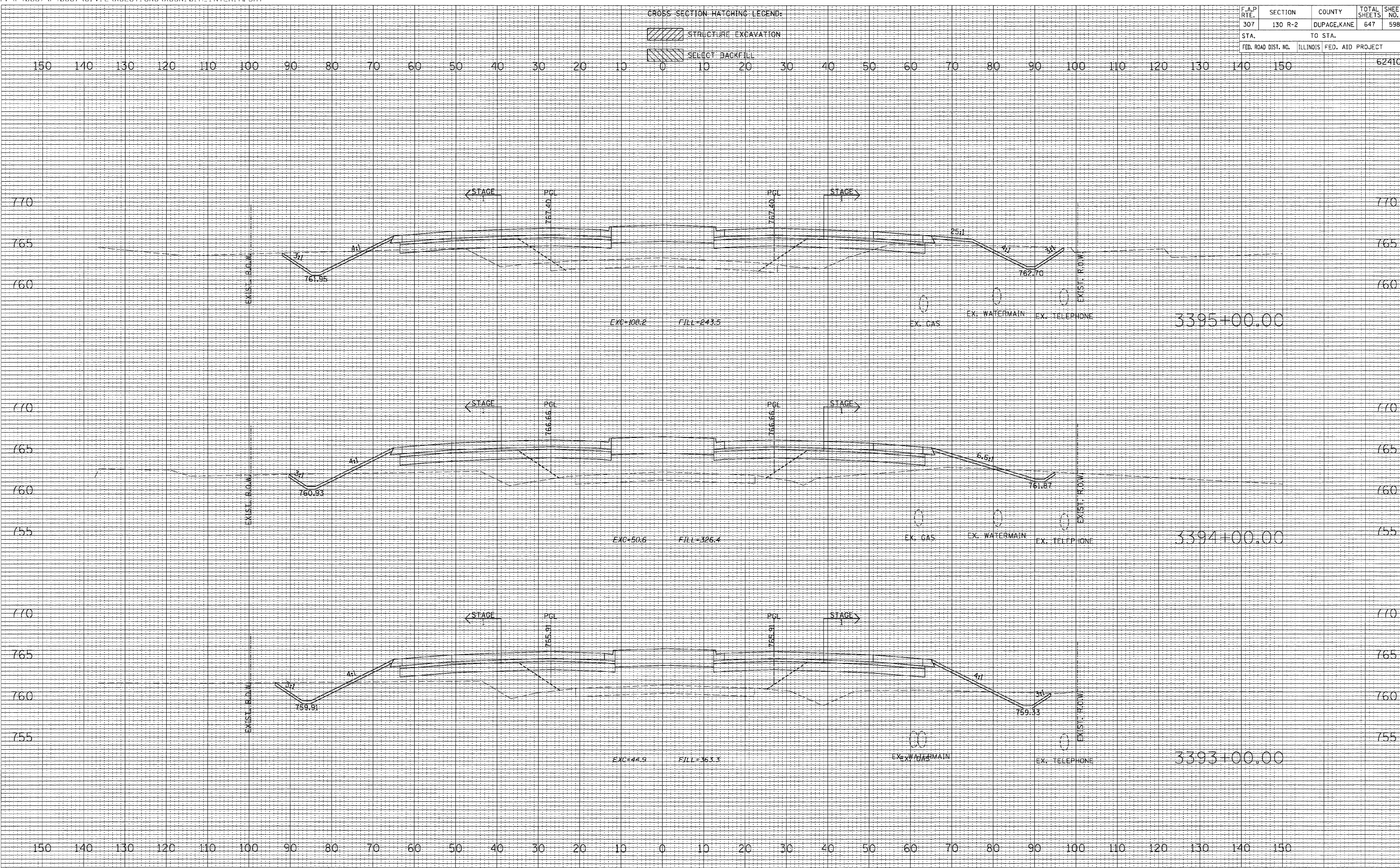
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NOTE BOOK	DATE
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CROSS SECTION HATCHING LEGEND:

-  STRUCTURE EXCAVATION
-  SELECT BACKFILL

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	598
STA. TO STA.		ILLINOIS FED. AID PROJECT		
FED. ROAD DIST. NO.		62410		



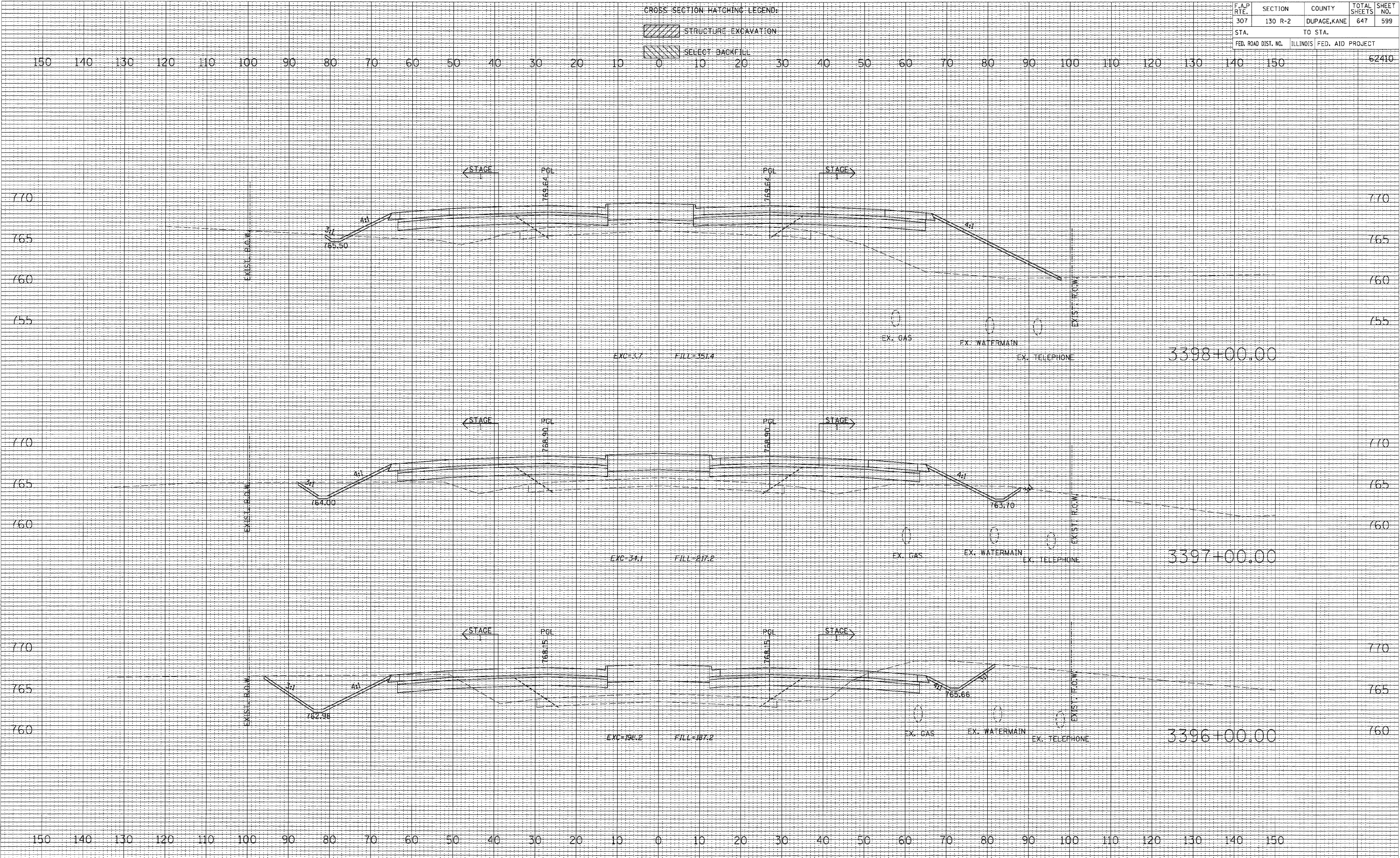
FINAL SURVEY PLOTTED DATE AREAS CHECKED

ORIGINAL SURVEY PLOTTED DATE AREAS CHECKED

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	599
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		62410

CROSS SECTION HATCHING LEGEND:



- STRUCTURE EXCAVATION
- SELECT BACKFILL

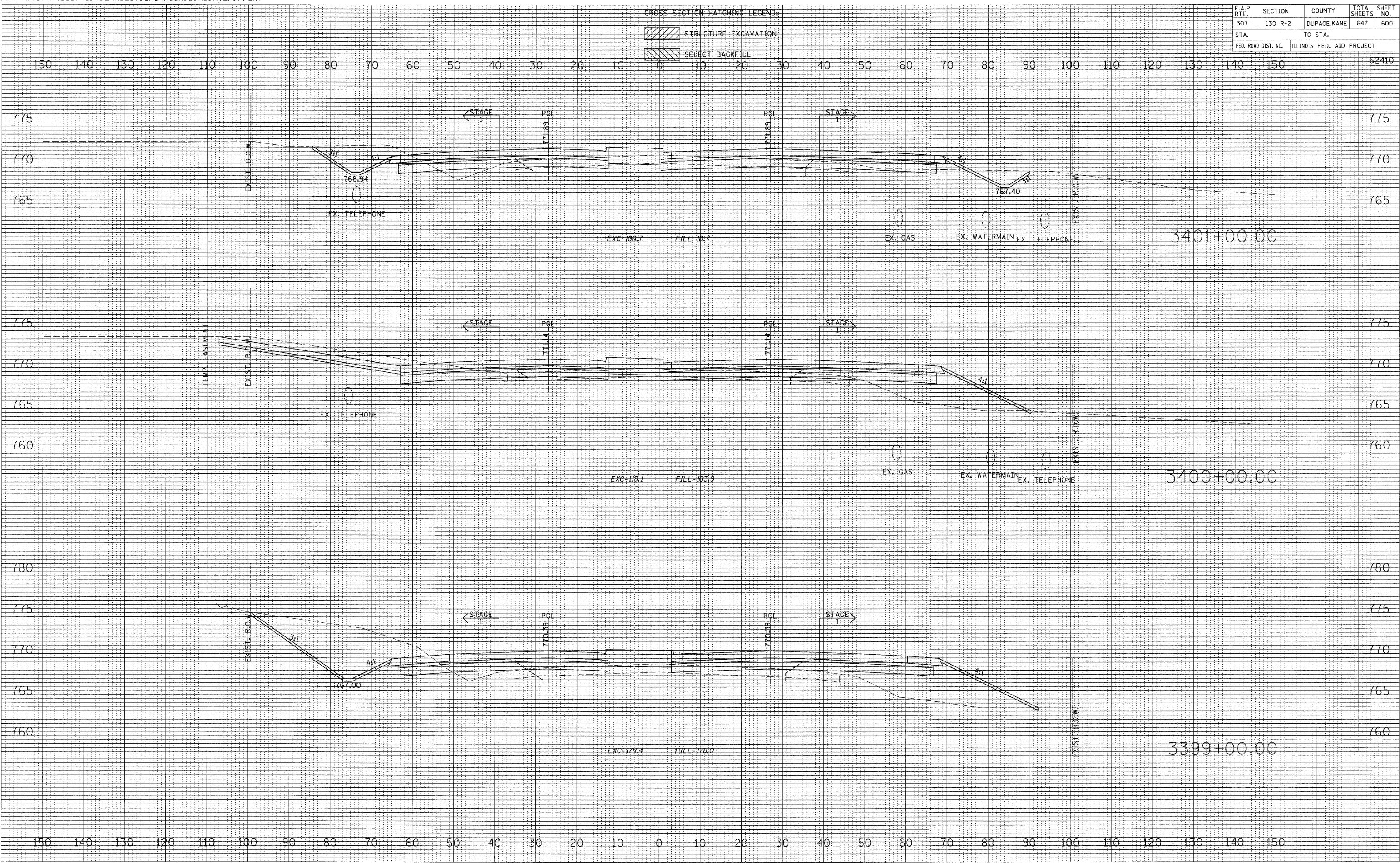


FINAL SURVEY PLOTTED DATE AREAS CHECKED

ORIGINAL SURVEY PLOTTED DATE AREAS CHECKED

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	130 R-2	DUPAGE, KANE	647	600
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CROSS SECTION HATCHING LEGEND:
 STRUCTURE EXCAVATION
 SELECT BACKFILL



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