

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS
7825	(K-15D)C	ADAMS	75
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO.	72F26

* 75 + 2 = 77 TOTAL SHEETS

INDEX OF SHEETS

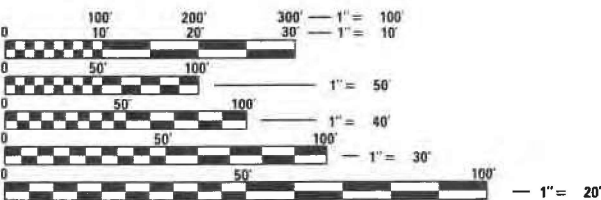
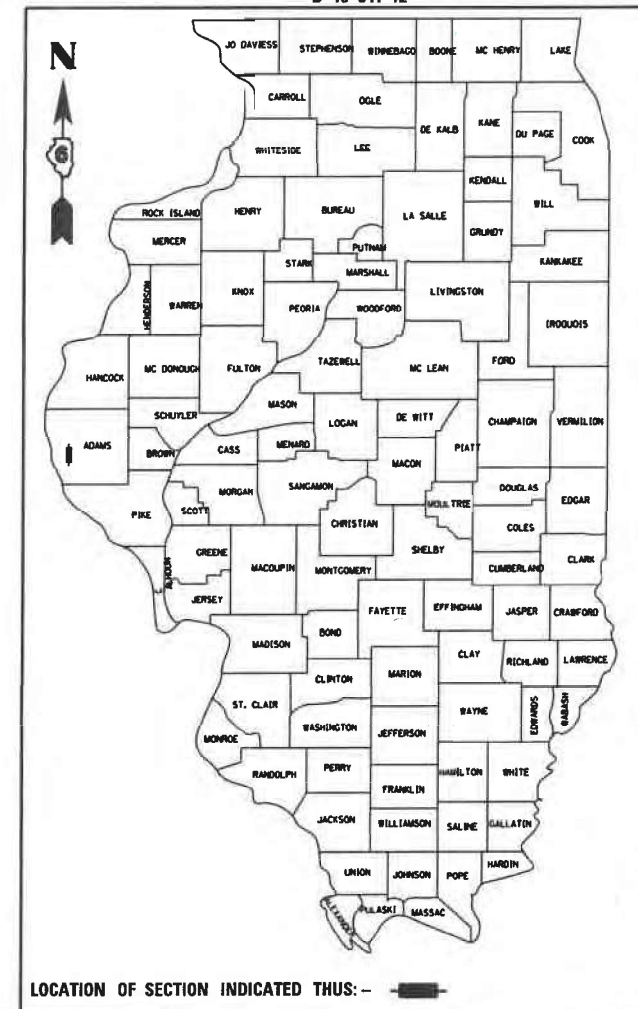
SHEET NO.	DESCRIPTION
1	COVER SHEET
2	GENERAL NOTES & COMMITMENTS
3-8A	SUMMARY OF QUANTITIES
9-12	SCHEDULE OF QUANTITIES
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16	ALIGNMENT, TIES, & BENCHMARKS
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37-53	STRUCTURE PLANS
54-68	CROSS SECTIONS (IL 96)
69-72	CROSS SECTIONS (ELLINGTON ROAD)
73-75*	WATER MAIN RELOCATION PLANS

* INCLUDES SHEET 75 A - WATER MAIN & SEWER SEPARATION DETAILS FOR ILLINOIS DOT HIGHWAY STANDARDS SEE SHEET NO. 2

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

PLANS FOR PROPOSED HIGHWAY PLANS

F.A.U. ROUTE 7825 (IL 96) OVER TRIBUTARY TO HOMAN CREEK SECTION (K-15D)C PROJECT COVD-CI81(256) STRUCTURE REPLACEMENT A DAMS COUNTY C-96-041-12



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

TRAFFIC DATA
 FAU 7825 (IL 96)
 EXISTING ADT = 3,550 (IL 96)
 %SU = 8%
 %MU = 5%
 CITY OF QUINCY
 FUNCTIONAL CLASSIFICATION: MINOR ARTERIAL

CALL **J.U.L.I.E.** (JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS)
 48 Hours (2 working days) Before You Dig.
 TOLL FREE: 1 (800) 892-0123 OR 811

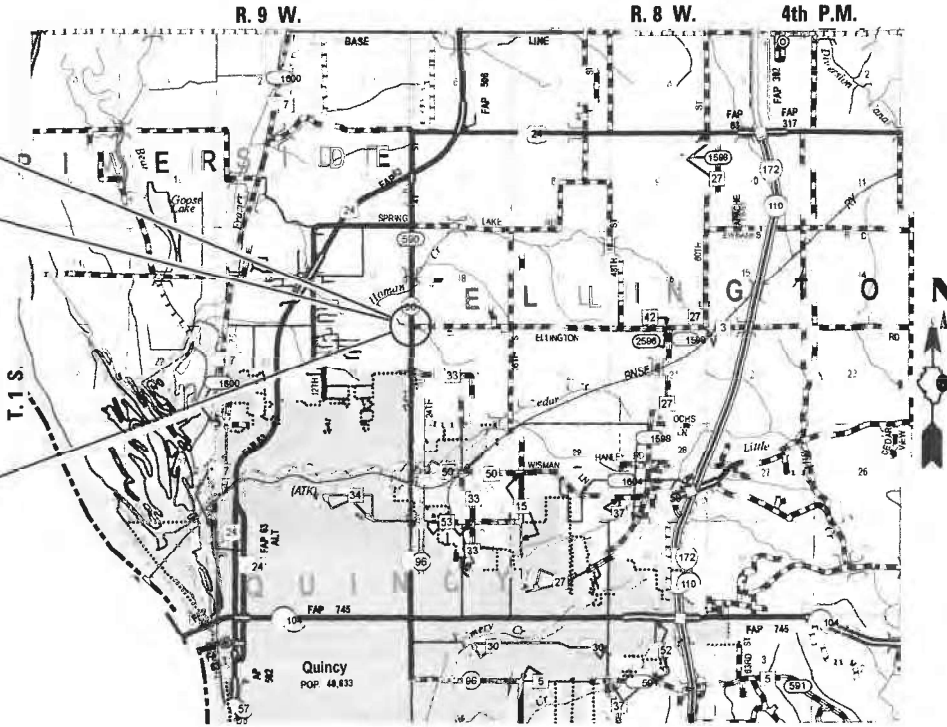
SENIOR TEAM ENGINEER: JAY EDWARDS 217-785-0597
 TEAM MANAGER: JONATHAN COX 217-782-1378

CONTRACT NO. 72F26

END PROJECT
 STA 108+00

PRECAST BOX CULVERT 9' X 9'
 CONNECTED TO EXISTING 7' X 5'
 PRECAST BOX CULVERT. PRECAST SECTION 89'-0" LONG, WITH ENERGY DISSIPATOR, 202'-6" TOTAL LENGTH. 9° SKEW LT. FWD. OVER TRIB. OF HOMAN CREEK
 EX SN 001-7048
 PR SN 001-7131
 @ STA. 105+50.50

BEGIN PROJECT
 STA 99+50



LOCATION MAP

GROSS LENGTH OF PROJECT = 850.00 FEET = 0.161 MILES (IL 96)
 NET LENGTH OF PROJECT = 850.00 FEET = 0.161 MILES (IL 96)
 GROSS LENGTH OF PROJECT = 220.00 FEET = 0.042 MILES (ELLINGTON ROAD)



Christopher P. Kohler 8/18/22
 EXPIRATION: 11/30/2023

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

SUBMITTED August 22, 2022

Jay P. Myers
 REGION FOUR ENGINEER

October 14, 2022

Scott A. Etkin
 ENGINEER OF DESIGN AND ENVIRONMENT

October 14, 2022

Stephen M. Smith
 DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

**PRINTED BY THE AUTHORITY
 OF THE STATE OF ILLINOIS**

VK **Veenstra & Kimm, Inc.**
 Springfield, IL. Phone: (217)544-8033
 IL. Design Firm No. 184-001939

PROPERTY OWNER ACCESS REQUIREMENT

ACCESS MUST BE MAINTAINED TO ALL EXISTING PROPERTIES DURING CONSTRUCTION PER ARTICLE 107.09 UNLESS ARRANGEMENTS ARE MADE IN WRITING BY THE CONTRACTOR WITH THE PROPERTY OWNERS WITH A COPY TO THE ENGINEER FOR SHORT-TERM CLOSURES.

GENERAL NOTES

- 1.) ALL ELEVATIONS SHOWN ON THE PLANS ARE BASED ON U.S.G.S. MEAN SEA LEVEL DATUM. ALL STATION AND OFFSET REFERENCES ARE TO THE ROADWAY CENTERLINE UNLESS OTHERWISE NOTED. THE STATE PLANE COORDINATE SYSTEM HAS BEEN USED FOR THE HORIZONTAL CONTROL.
- 2.) ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OUTSIDE THE LIMITS OF RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPERATELY BUT SHALL BE INCLUDED IN THE COST PER CUBIC YARD FOR EARTH EXCAVATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- 3.) THE DISTRICT BUREAU OF OPERATIONS SHALL BE NOTIFIED AT LEAST 14 DAYS PRIOR TO PLACEMENT OF FINAL PAVEMENT MARKINGS (PH: 217-785-5312)
- 4.) TREES EQUAL TO OR GREATER THAN 3 INCHES IN DIAMETER SHALL NOT BE REMOVED FROM APRIL 1ST TO SEPTEMBER 30TH OF ANY GIVEN YEAR.

THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED TO CALCULATE THE PLAN QUANTITIES:

BITUMINOUS MATERIALS (TACK COAT NEW HMA)	0.025 LB./SQ. FT.
BITUMINOUS MATERIALS (TACK COAT EXIST. SURFACE)	0.05 LB./SQ. FT.
HOT-MIX ASPHALT SURFACE / BINDER	0.056 TON/SQ. YD. PER 1"
AGGREGATE MATERIAL, TYPE A	1.8 TON/CU. YD.
AGGREGATE MATERIAL, TYPE B	1.6 TON/CU. YD.
RIPRAP	1.5 TON/CU. YD.
NITROGEN FERTILIZER NUTRIENT	90 LBS./ACRE
PHOSPHOROUS FERTILIZER NUTRIENT	90 LBS./ACRE
POTASSIUM FERTILIZER NUTRIENT	90 LBS./ACRE
AGRICULTURAL GROUND LIMESTONE	2.0 TON/ACRE
ROCKFILL - FOUNDATION	1.89 TON/CU. YD.

COMMITMENTS

NONE

MIXTURE REQUIREMENTS

MIXTURE USE(S)	HMA SURFACE COURSE HMA SHOULDERS (BOTH TOP 1.5")	HMA BASE COURSE (BOTH LOWER LIFTS)
AC/PG	PG 64-22	PG 64-22
DESIGN AIR VOIDS	4.0% @ N DESIGN = 50	4.0% @ N DESIGN = 50
MIXTURE COMPOSITION	IL 9.5	IL 19.0
FRICTION AGGREGATE	MIX C	N/A
SUBLOT SIZE	N/A	N/A
QUALITY MANAGEMENT	QC/QA	QC/QA
MTD	NO	NO

LIST OF ILLINOIS DOT HIGHWAY STANDARDS

000001-08	630001-12
001001-02	630106-02
001006	630301-09
280001-07	664001-02
420001-10	666001-01
420101-07	701001-02
420701-03	701006-05
442201-03	701201-05
482001-02	701306-04
515001-04	701311-03
602401-07	701901-08
602402-03	720001-01
602411-09	720006-04
602701-02	725001-01
604036-03	728001-01
604106-01	780001-05
606001-08	BLR 21-9

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
DISTRICT 6**

EXAMINED August 9, 2022
[Signature]
ENGINEER OF OPERATIONS

EXAMINED August 1, 2022
[Signature]
ENGINEER OF PROJECT IMPLEMENTATION

EXAMINED August 16, 2022
[Signature]
ENGINEER OF PROGRAM DEVELOPMENT

REV. - MS

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				100% FEDERAL	100% CITY
				PPS-6-00506-0000	
				BOX CULVERT	WATER MAIN
				0004	0043
				S.N. 001-7131	
20100500	TREE REMOVAL, ACRES	ACRE	1.25	1.25	
20200100	EARTH EXCAVATION	CU YD	10582	10582	
20800150	TRENCH BACKFILL	CU YD	305	144	161
25000200	SEEDING, CLASS 2	ACRE	2.0	2.0	
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	180	180	
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	180	180	
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	180	180	
25000700	AGRICULTURAL GROUND LIMESTONE	TON	4.0	4.0	
25100115	MULCH, METHOD 2	ACRE	2.0	2.0	
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	200	200	
28000305	TEMPORARY DITCH CHECKS	FOOT	74	74	
28000400	PERIMETER EROSION BARRIER	FOOT	934	934	
28000500	INLET AND PIPE PROTECTION	EACH	3	3	
28100805	STONE DUMPED RIPRAP, CLASS A3	TON	24	24	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				100% FEDERAL	100% CITY
28100809	STONE DUMPED RIPRAP, CLASS A5	TON	94	94	
28200200	FILTER FABRIC	SQ YD	932	932	
28300400	AGGREGATE DITCH	TON	401	401	
35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	499	499	
35501322	HOT-MIX ASPHALT BASE COURSE, 9 1/2"	SQ YD	285	285	
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	129	129	
40604050	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50	TON	24	24	
44000100	PAVEMENT REMOVAL	SQ YD	299	299	
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	499	499	
44000300	CURB REMOVAL	FOOT	353	353	
44000400	GUTTER REMOVAL	FOOT	305	305	
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	91	91	
44004250	PAVED SHOULDER REMOVAL	SQ YD	101	101	
44200144	PAVEMENT PATCHING, TYPE II, 12 INCH	SQ YD	25.0		25.0

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				100% FEDERAL	100% CITY
				PPS-6-00506-0000	
				BOX CULVERT	WATER MAIN
				0004	0043
				S.N. 001-7131	
48101600	AGGREGATE SHOULDERS, TYPE B 8"	SQ YD	378	378	
50100300	REMOVAL OF EXISTING STRUCTURES NO. 1	EACH	1	1	
50100400	REMOVAL OF EXISTING STRUCTURES NO. 2	EACH	1	1	
50200100	STRUCTURE EXCAVATION	CU YD	766	766	
50300225	CONCRETE STRUCTURES	CU YD	204.6	204.6	
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	36750	36750	
51500100	NAME PLATES	EACH	1	1	
54003000	CONCRETE BOX CULVERTS	CU YD	44.2	44.2	
54010909	PRECAST CONCRETE BOX CULVERTS 9' X 9'	FOOT	89	89	
550A0200	STORM SEWERS, CLASS A, TYPE 1 54"	FOOT	4	4	
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	98	98	
550A0450	STORM SEWERS, CLASS A, TYPE 2 36"	FOOT	132	132	
55100500	STORM SEWER REMOVAL 12"	FOOT	168	168	
55100700	STORM SEWER REMOVAL 15"	FOOT	86	86	

REV. - MS



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PLOT DATE =	CHECKED -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: NONE SHEET NO. 1 OF 6 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7825	(K-15DC)	ADAMS	75	5
			CONTRACT NO. 72F26	
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				100% FEDERAL	100% CITY
				BOX CULVERT 0004	WATER MAIN 0043
				S.N. 001-7131	
56100900	WATER MAIN 12"	FOOT	135		135
56105200	WATER VALVES 12"	EACH	1		1
56109210	WATER VALVES TO BE ADJUSTED	EACH	4	3	1
56109424	DUCTILE IRON WATER MAIN FITTINGS 12" 45.00 DEGREE BEND	EACH	4		4
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	158	158	
60219000	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	1	1	
60222805	MANHOLES, TYPE A, 5'-DIAMETER, WITH MEDIAN INLET (604106)	EACH	1	1	
60224448	MANHOLES, TYPE A, 7'-DIAMETER, TYPE 8 GRATE	EACH	1	1	
60500040	REMOVING MANHOLES	EACH	1	1	
60500060	REMOVING INLETS	EACH	4	4	
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	102	102	
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	412.5	412.5	
* 63000350	LONG-SPAN GUARDRAIL OVER CULVERT, 12 FT 6 IN SPAN	FOOT	37.5	37.5	
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	2	2	

* SPECIALTY ITEM



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: NONE SHEET NO. 1 OF 6 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7825	IK-15DC	ADAMS	75	6
CONTRACT NO. 72F26				
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				100% FEDERAL	100% CITY
				PPS-6-00506-0000	
				BOX CULVERT	WATER MAIN
				0004	0043
				S.N. 001-7131	
63200310	GUARDRAIL REMOVAL	FOOT	466	466	
66600105	FURNISHING AND ERECTING RIGHT OF WAY MARKERS	EACH	8	8	
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	5	5	
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1	
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1	
* 66901006	REGULATED SUBSTANCES MONITORING	CAL DA	15	15	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12	12	
67100100	MOBILIZATION	L SUM	1	1	
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1	
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1	
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	720	720	
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	2	2	
* 78009005	MODIFIED URETHANE PAVEMENT MARKING - LINE 5"	FOOT	3249	3249	
* 78011030	GROOVING FOR RECESSED PAVEMENT MARKING 6"	FOOT	3249	3249	

* SPECIALTY ITEM



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: NONE SHEET NO. 1 OF 6 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7825	IK-15DC	ADAMS	75	7
CONTRACT NO. 72F26				
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				100% FEDERAL	100% CITY
				PPS-6-00506-0000	
				BOX CULVERT	WATER MAIN
				0004	0043
				S.N. 001-7131	
Z0016702	DETOUR SIGNING	L SUM	1	1	
Z0018900	DRILL AND GROUT DOWEL BARS	EACH	60	60	
Z0023602	GRANULAR CULVERT BACKFILL	CU YD	106	106	
∅ Z0076600	TRAINEES	HOUR	1000	1000	
* Z0054517	ROCK FILL - FOUNDATION	TON	597	597	
∅ Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	1000	1000	
Z0067700	STEEL CASINGS 20"	FOOT	32		32

* SPECIALTY ITEM

∅ 0042

REV. - MS

EARTHWORK								
LOCATION	20200100	ADJUSTED	EARTH	EMBANKMENT	EARTHWORK BALANCE		FURNISHED EXCAVATION	REMARKS
	EARTH EXCAVATION	SHRINKAGE FACTOR	EXCAVATION (ADJUSTED)		EXCAVATION REQUIRED TO COMPLETE	EXCESS EXCAVATION		
	CU. YD.	%	CU. YD.		CU. YD.	CU. YD.		
STA. 99+50 TO STA. 106+72 (IL 96)	9926	25	7445	2536	0	4909	0	
STA. 106+72 TO STA. 108+00 LT (IL 96 - WAYNE HUMMEL PROPERTY)	596	25	447	47	0	0	0	
STA. 0+50 TO STA. 3+00 (ELLINGTON RD)	60	25	45	60	15	0	0	
TOTAL	10,582		7,937	2,643	15	4,894	0	

*NO FURNISHED EXCAVATION WILL BE REQUIRED. THE COST FOR THE REMOVAL OF EXCESS EARTH EXCAVATION SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.

PERMANENT SEEDING						
LOCATION	25000200	25000400	25000500	25000600	25100115	25000700
	SEEDING, CLASS 2	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	MULCH, METHOD 2	AGRICULTURAL GROUND LIMESTONE
	ACRE	POUND	POUND	POUND	ACRE	TON
STA. 99+50 TO STA. 108+00 LT.	1.76	159	159	159	1.76	3.5
STA. 106+95 TO STA. 107+96 RT.	0.17	16	16	16	0.17	0.3
STA. 0+21 TO STA. 2+20 LT. (ELLINGTON RD.)	0.04	4	4	4	0.04	0.1
TOTAL	1.97	179	179	179	1.97	3.9

SAY 2.0 ACRE SAY 180 LBS SAY 180 LBS SAY 180 LBS SAY 2.0 ACRE SAY 4.0 TON

HOT MIX ASPHALT			
LOCATION	35501322	40600290	40604050
	HOT-MIX ASPHALT BASE COURSE 9 1/2"	BITUMINOUS MATERIALS (TACK COAT)	HOT-MIX ASPHALT SURFACE COURSE, IL 9.5, MIX "C", N50
	SQ. YD.	POUND	TON
STA. 105+19 TO STA. 105+84	285	129	24
TOTAL	285	129	24

35101600 - AGGREGATE BASE COURSE, TYPE B 4"	
LOCATION	QUANTITY
	SQ YD
STA. 105+84 TO STA. 107+00 RT. (P.E. STA. 106+65)	499
TOTAL	499

PAVEMENT MARKING			
LOCATION	78009005		78011030
	MODIFIED URETHANE PAVEMENT MARKING - LINE 5"		GROOVING FOR RECESSED PAVEMENT MARKING 6"
	SOLID WHITE	SOLID YELLOW	
	FOOT	FOOT	FOOT
STA. 99+50 TO STA. 108+00 LT.	850		850
STA. 99+50 TO STA. 108+00 DOUBLE		1700	1700
STA. 99+50 TO STA. 104+21	471		471
STA. 105+72 TO STA. 108+00	228		228
SUB-TOTAL	1549	1700	3249
TOTAL	3249		3249



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

QUANTITY SCHEDULES		
SCALE: NONE	SHEET NO. 1 OF 4 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7825	IK-15DC	ADAMS	75	9
CONTRACT NO. 72F26				
ILLINOIS FED. AID PROJECT				

ROADWAY RIPRAP SCHEDULE & FILTER FABRIC				
LOCATION	28100805	28100809	28300400	28200200
	STONE DUMPED RIPRAP CLASS A3	STONE DUMPED RIPRAP CLASS A5	AGGREGATE DITCH	FILTER FABRIC
	TON	TON	TON	SQ YD
STA. 100+50 TO STA. 101+00 LT.			28	55
STA. 101+00 TO STA. 101+50 LT.			28	55
STA. 101+50 TO STA. 102+00 LT.			28	55
STA. 102+00 TO STA. 102+50 LT.			27	52
STA. 102+50 TO STA. 103+00 LT.			25	49
STA. 103+00 TO STA. 103+50 LT.			25	49
STA. 103+50 TO STA. 104+00 LT.			25	49
STA. 104+00 TO STA. 104+50 LT.			25	49
STA. 104+50 TO STA. 105+00 LT.			27	52
STA. 105+00 TO STA. 105+69 LT.			44	87
STA. 105+78 TO STA. 106+00 LT.			12	24
STA. 106+00 TO STA. 106+50 LT.			27	52
STA. 106+50 TO STA. 107+00 LT.			25	49
STA. 107+00 TO STA. 107+50 LT.			27	52
STA. 107+50 TO STA. 108+00 LT.			28	55
END OF ENERGY DISSIPATOR (SOUTH UNDER A3)	12			23
END OF ENERGY DISSIPATOR (NORTH UNDER A3)	12			23
END OF ENERGY DISSIPATOR		94		102
TOTAL	24	94	401	932

STEEL RAILING AND GUARDRAIL SCHEDULE				
LOCATION	63100167	63000001	63000350	72501000
	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	LONG SPAN GUARDRAIL OVER CULVERT	TERMINAL MARKER - DIRECT APPLIED
	EACH	FOOT	FOOT	EACH
STA. 101+96.5 TO STA. 102+46.5 LT.	1			
STA. 102+46.5 TO STA. 105+34 LT.		287.5		
STA. 105+34 TO STA. 105+71.5 LT.			37.5	
STA. 105+71.5 TO STA. 106+96.5 LT.		125		
STA. 106+96.5 TO STA. 107+46.5 LT.	1			
STA. 101+96.5 LT.				1
STA. 107+46.5 LT.				1
TOTAL	2	412.5	37.5	2

COMBINATION CONCRETE CURB AND GUTTER		
LOCATION	60603800	44000500
	COMBINATION CONCRETE CURB & GUTTER TYPE B-6.12	COMBINATION CONCRETE CURB & GUTTER REMOVAL
	FOOT	FOOT
STA. 105+19 78' RT. TO STA. 105+84 13.5' RT.	102	
STA. 105+19 78' RT. TO STA. 105+72.5 20' RT.		91
TOTAL	102	91

TEMPORARY EROSION CONTROL			
LOCATION	28000250	28000400	28000305
	TEMPORARY EROSION CONTROL SEEDING	PERIMETER EROSION BARRIER	TEMPORARY DITCH CHECKS
	POUND	FOOT	FOOT
STA. 99+50 TO STA. 108+00 LT.	176		
STA. 106+95 TO STA. 107+96 RT.	17		
STA. 0+21 TO STA. 2+20 LT. (ELLINGTON RD.)	4		
STA. 99+50 TO STA. 105+71 LT.		646	
STA. 105+93 TO STA. 108+20 LT.		288	
STA. 102+50 28.0' LT.			8
STA. 103+00 39.5' LT.			8
STA. 103+50 51.5' LT.			8
STA. 104+00 63.0' LT.			8
STA. 104+50 76.0' LT.			8
STA. 105+00 117.0' LT.			9
STA. 106+00 123.0' LT.			9
STA. 106+50 78.0' LT.			8
STA. 107+00 56.0' LT.			8
TOTAL	197	934	74

SAY 200 LBS

70107025 - CHANGEABLE MESSAGE SIGN	
LOCATION	CHANGEABLE MESSAGE SIGN
	CAL. DAY
MESSAGE BOARD SOUTH OF US 24 AND IL 96 INTERSECTION	240
MESSAGE BOARD NORTH OF KOCHS LN AND IL 96 INTERSECTION	240
MESSAGE BOARD NORTH OF BROADWAY ST AND IL 96 INTERSECTION	240
TOTAL	720



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	CHECKED -	REVISED -
PLOT SCALE =	DRAWN -	REVISED -
PLOT DATE =	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

QUANTITY SCHEDULES		
SCALE: NONE	SHEET NO. 2 OF 4 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7825	IK-15DC	ADAMS	75	10
CONTRACT NO. 72F26				
ILLINOIS FED. AID PROJECT				

REMOVAL SCHEDULE										
LOCATION	44000100 PAVEMENT REMOVAL	44000200 DRIVEWAY PAVEMENT REMOVAL	44000300 CURB REMOVAL	44000400 GUTTER REMOVAL	44004250 PAVED SHOULDER REMOVAL	55100500 STORM SEWER REMOVAL 12"	55100700 STORM SEWER REMOVAL 15"	60500040 REMOVING MANHOLES	60500060 REMOVING INLETS	63200310 GUARDRAIL REMOVAL
	SQ. YD.	SQ. YD.	FOOT	FOOT	SQ. YD.	FOOT	FOOT	EACH	EACH	FOOT
STA. 105+19 TO STA. 105+84	299									
STA. 105+84 TO STA. 107+00 RT.		499								
STA. 102+55 TO STA. 106+08 LT.			353							
STA. 99+50 TO STA. 102+55 LT.				305						
STA. 102+55 TO STA. 105+19 LT.					88					
STA. 105+84 TO STA. 106+21 LT.					13					
STA. 105+37.5 53.5' RT. TO STA. 105+40.5 54.0' RT.						3				
STA. 106+10 13.0' LT. TO STA. 106+10 25' LT.						12				
STA. 106+35 23.0' RT. TO STA. 106+86 22.0' RT.						51				
STA. 106+86 22.0' RT. TO STA. 107+88 20.5' RT.						102				
STA. 105+49 31.0' RT. TO STA. 106+35 23.0' RT.							86			
STA. 105+43 54.5' RT.								1		
STA. 106+10 13.0' LT.									1	
STA. 106+35 23.0' RT.									1	
STA. 106+86 22.0' RT.									1	
STA. 107+88 20.5' RT.									1	
STA. 102+06 TO STA. 106+72 LT.										466
TOTAL	299	499	353	305	101	168	86	1	4	466

20100500 - TREE REMOVAL	
LOCATION	QUANTITY
	ACRE
STA. 101+98 TO STA. 106+66 LT.	1.25
TOTAL	1.25

66600105 - FURNISHING AND ERECTING RIGHT OF WAY MARKERS	
LOCATION	QUANTITY
	EACH
STA. 99+50 29.93' LT.	1
STA. 102+75 90.0' LT.	1
STA. 105+40 195.0' LT.	1
STA. 105+90 195.0' LT.	1
STA. 106+71.8 105.0' LT.	1
STA. 0+35.6 60.0' LT. (ELLINGTON RD.)	1
STA. 2+20 42.36' LT. (ELLINGTON RD.)	1
STA. 2+20 60.0' LT. (ELLINGTON RD.)	1
TOTAL	8

56109210 - WATER VALVES TO BE ADJUSTED	
LOCATION	QUANTITY
	EACH
STA. 104+17 15.0' LT.	1
STA. 104+89 14.0' LT.	1
STA. 106+38 29.0' LT.	1
STA. 106+43 28.5' LT.	1
TOTAL	4

DRAINAGE STRUCTURE SCHEDULE							
LOCATION				60219000 MANHOLES, TYPE A, 4' DIAMETER, TYPE 8 GRATE	60222805 MANHOLES, TYPE A, 5' DIAMETER WITH MEDIAN INLET (604106)	60224448 MANHOLES, TYPE A, 7' DIAMETER, TYPE 8 GRATE	28000500 INLET AND PIPE PROTECTION
NO.	STATION	OFFSET	FRAME ELEV.	EACH	EACH	EACH	EACH
100	107+88	20.5' RT	599.50	1			1
101	106+90	21.5' RT	598.10		1		1
102	105+58	26.0' RT	600.20			1	1
TOTAL				1	1	1	3

Z0018900 - DRILL AND GROUT DOWEL BARS	
LOCATION	QUANTITY
	EACH
STA. 105+84 TO STA. 107+00 RT.	60
TOTAL	60

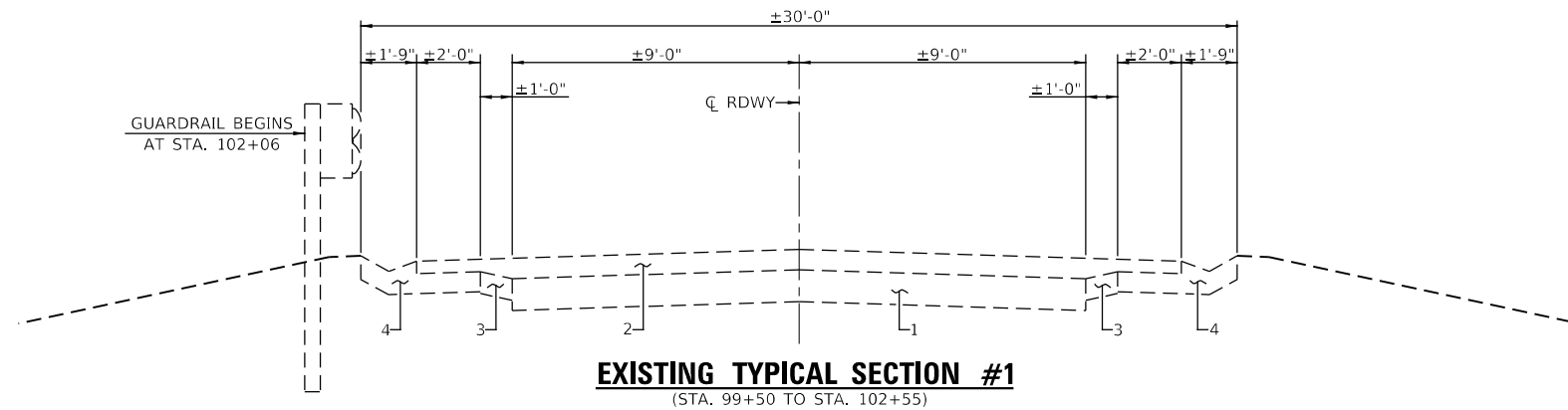
STORM SEWER SCHEDULE							
FROM STRUCTURE		TO STRUCTURE		550A0340 STORM SEWERS, CLASS A, TYPE 2, 12"	550A0450 STORM SEWERS, CLASS A, TYPE 2, 36"	550A0200 STORM SEWERS, CLASS A, TYPE 1, 54"	20800150 TRENCH BACKFILL
NUMBER	INVERT ELEV	NUMBER	INVERT ELEV	FOOT	FOOT	FOOT	CU. YD.
100	595.40	101	594.90	98			36
101	593.70	102	592.15		126		97
102	592.07	CULVERT	592.00		6		11
DROP BOX	593.50	CULVERT	593.50			4	
WATER MAIN RELOCATION							161
TOTAL				98	132	4	305

X0326351 - CONCRETE APRON FOR MEDIAN INLET	
LOCATION	QUANTITY
	EACH
STA. 106+81 TO STA. 106+95 RT.	1
TOTAL	1

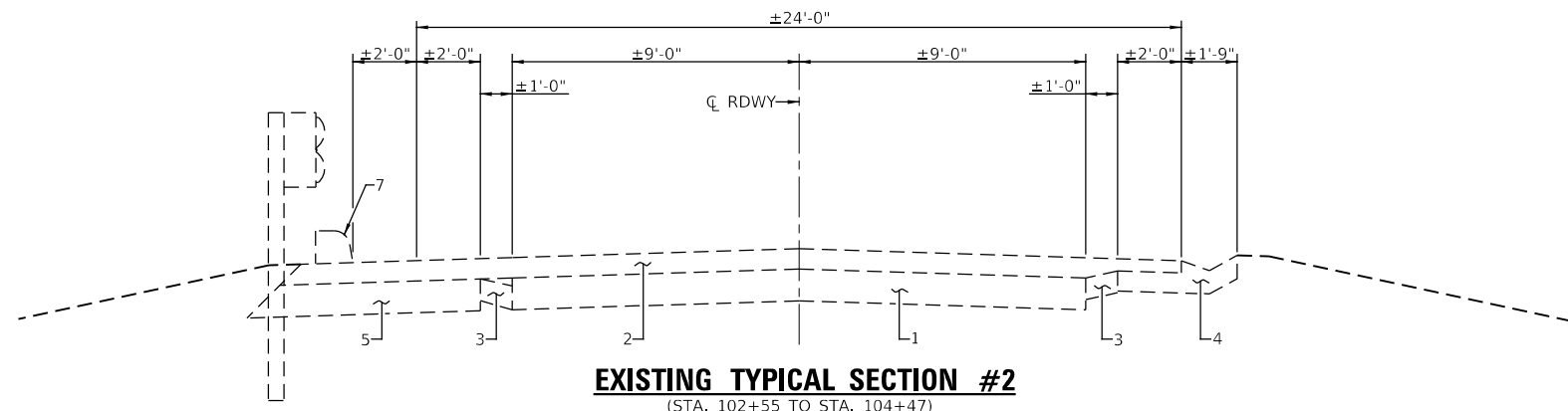
X4230800 - PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH, SPECIAL	
LOCATION	QUANTITY
	SQ YD
STA. 105+84 TO STA. 107+00 RT.	499
TOTAL	499

X26000012 - REMOVE & RELOCATE SIGN PANEL POLE & ASSEMBLY	
LOCATION	QUANTITY
	EACH
STA. 100+20.5 20.5' LT. (HIDDEN ENTRANCE)	1
STA. 102+06.5 17.0' LT. (SPEED LIMIT 45 MPH)	1
STA. 104+99.5 16.5' LT. (LEFT/RIGHT ARROWS)	1
STA. 105+33.0 38.0' RT. (STOP SIGN)	1
TOTAL	4

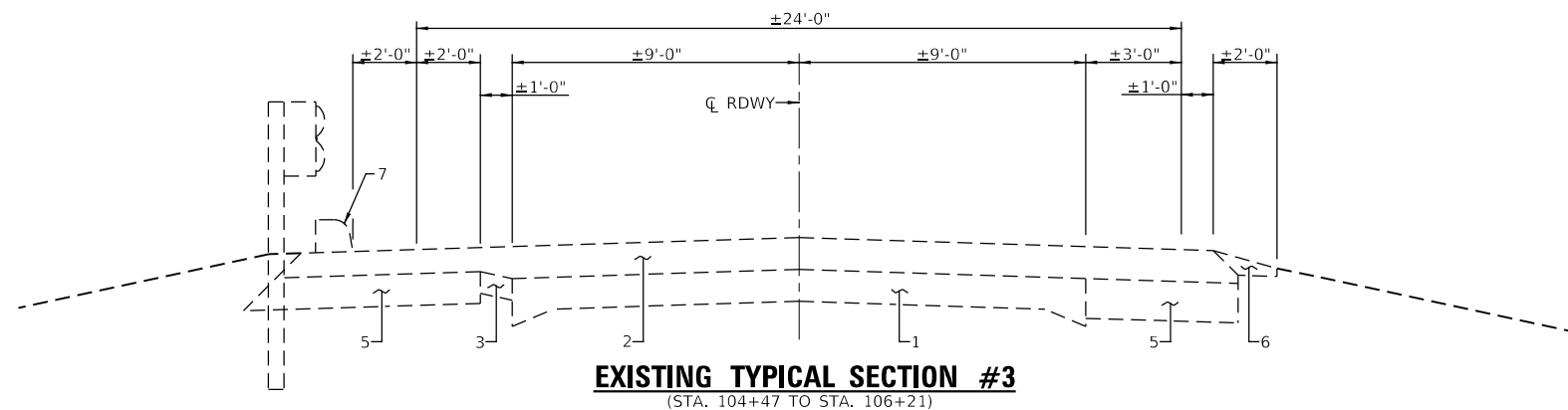
REV. - MS



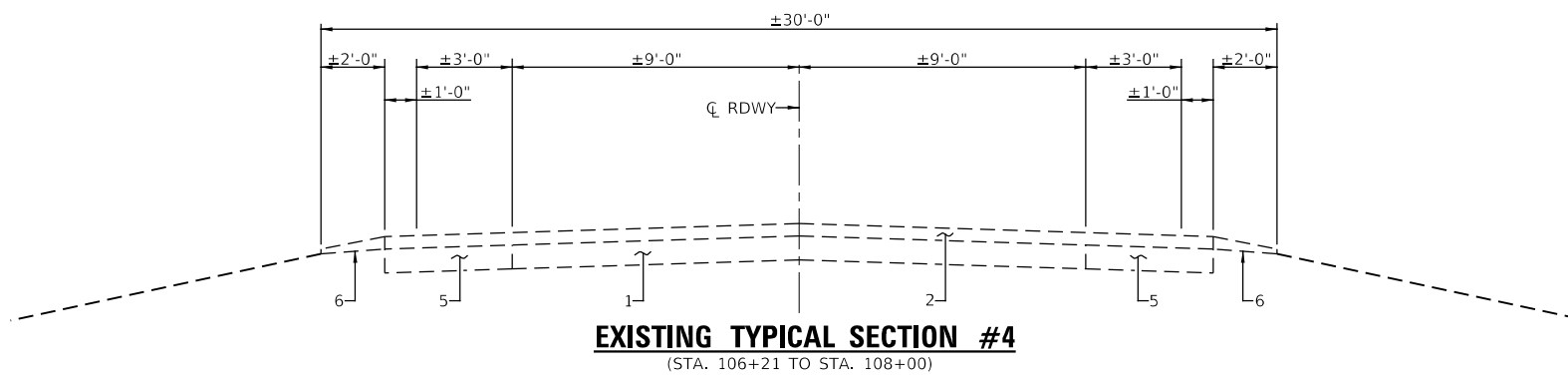
EXISTING TYPICAL SECTION #1
(STA. 99+50 TO STA. 102+55)



EXISTING TYPICAL SECTION #2
(STA. 102+55 TO STA. 104+47)



EXISTING TYPICAL SECTION #3
(STA. 104+47 TO STA. 106+21)



EXISTING TYPICAL SECTION #4
(STA. 106+21 TO STA. 108+00)

PAVEMENT LEGEND

1. EX 9"-6"-9" PCC PVMT
2. EX HMA RESURFACING
3. EX GUTTER
4. EX CONC. WIDENING & GUTTER
5. EX HMA WIDENING
6. EX AGG SHLDR
7. EX HMA CURB
8. EX CONC. C & G
9. PR EARTH SHOULDER
10. PR AGGREGATE DITCH 12" W/ FILTER FABRIC
11. PR HMA BASE COURSE 9 1/2"
12. PR CONC C & G TY B 6.12
13. PR MODIFIED URETHANE PAVEMENT MARKING 5"
14. PR HMA SURFACE COURSE, MIX C, N50
15. PR GUARDRAIL



USER NAME =	DESIGNED -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE =	DRAWN -	REVISED -
	CHECKED -	REVISED -

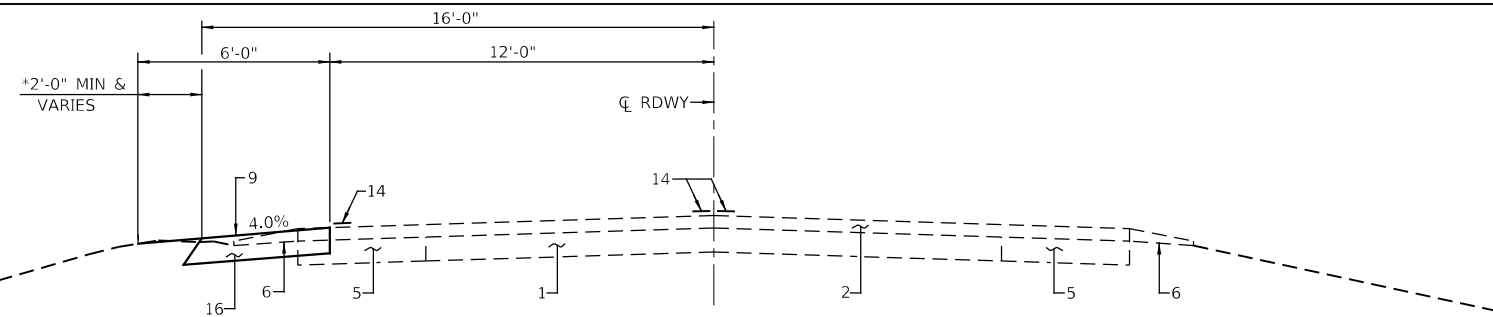
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL ROADWAY SECTIONS

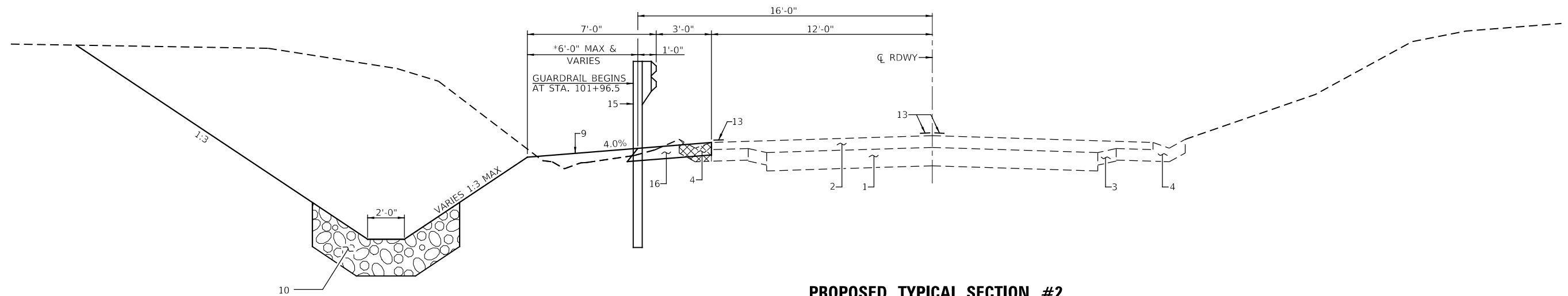
SCALE: NONE SHEET NO. 1 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7825	(K-15)DC	ADAMS	75	13
CONTRACT NO. 72F26				
ILLINOIS FED. AID PROJECT				

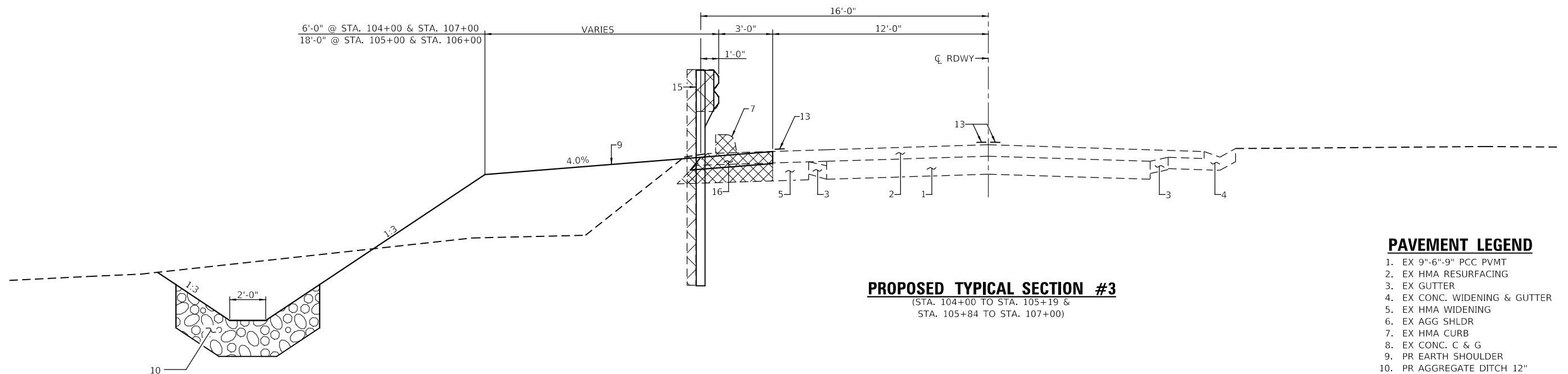
* EARTH SHOULDER IS 2'-0" @ STA. 99+50
AND 6'-0" @ STA. 100+50



PROPOSED TYPICAL SECTION #1
(STA. 99+50 TO STA. 100+07)



PROPOSED TYPICAL SECTION #2
(STA. 100+07 TO STA. 104+00)



PROPOSED TYPICAL SECTION #3
(STA. 104+00 TO STA. 105+19 &
STA. 105+84 TO STA. 107+00)

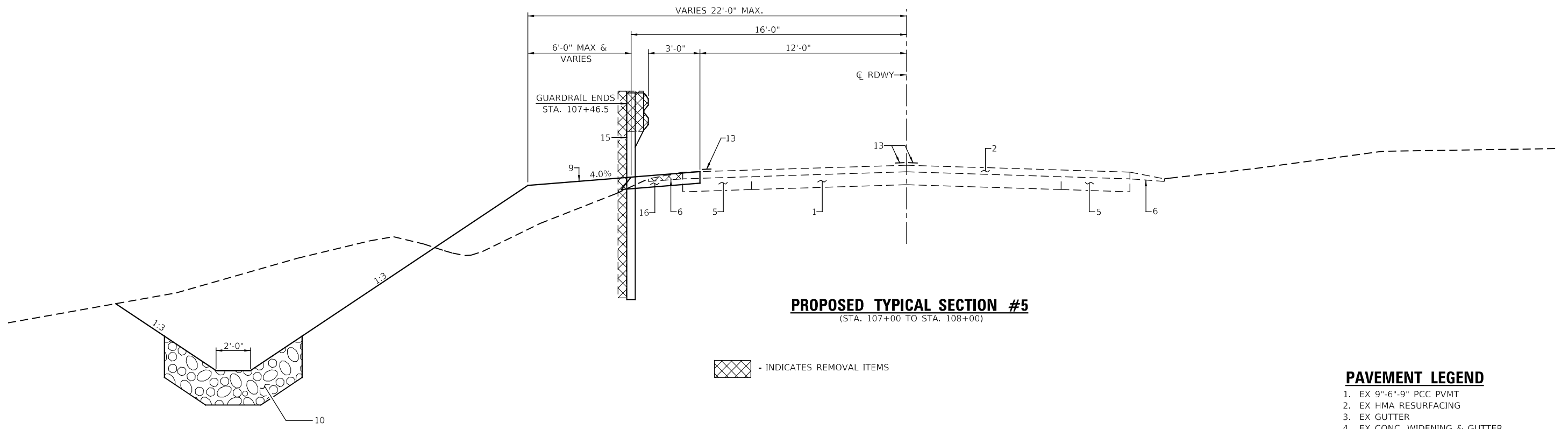
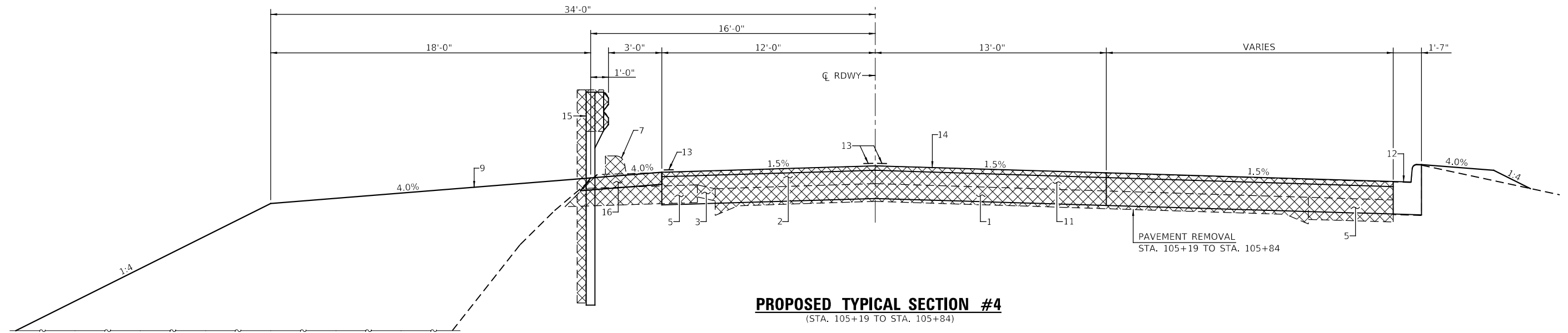
- INDICATES REMOVAL ITEMS

PAVEMENT LEGEND

1. EX 9"-6"-9" PCC PVMT
2. EX HMA RESURFACING
3. EX GUTTER
4. EX CONC. WIDENING & GUTTER
5. EX HMA WIDENING
6. EX AGG SHLDR
7. EX HMA CURB
8. EX CONC. C & G
9. PR EARTH SHOULDER
10. PR AGGREGATE DITCH 12" W/ FILTER FABRIC
11. PR HMA BASE COURSE 9 1/2"
12. PR CONC C & G TY B 6.12
13. PR MODIFIED URETHANE PAVEMENT MARKING 5"
14. PR HMA SURFACE COURSE, MIX C, N50
15. PR GUARDRAIL
16. PR AGGREGATE SHOULDERS, TYPE B 8"

USER NAME =	DESIGNED -	REVISED -
	CHECKED -	REVISED -
PLOT SCALE =	DRAWN -	REVISED -
PLOT DATE =	CHECKED -	REVISED -

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7825	(K-15)DC	ADAMS	75	14
CONTRACT NO. 72F26				
ILLINOIS FED. AID PROJECT				



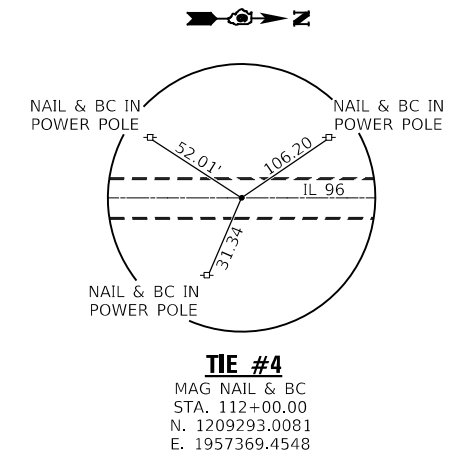
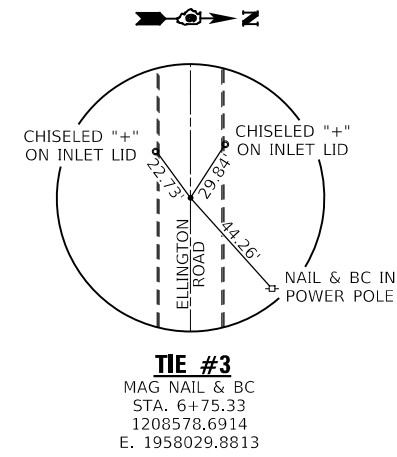
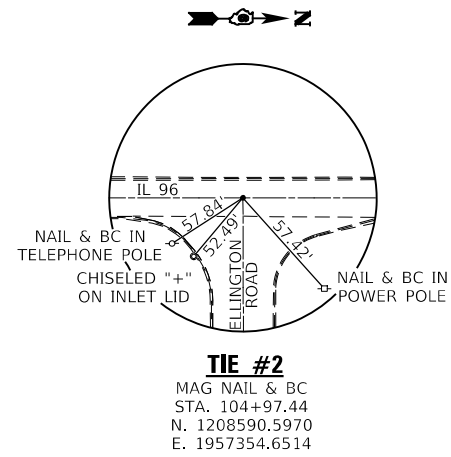
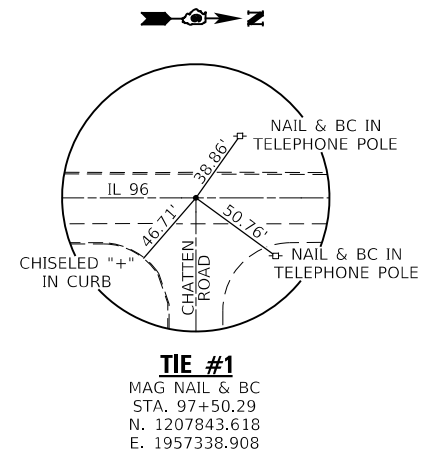
- INDICATES REMOVAL ITEMS

PAVEMENT LEGEND

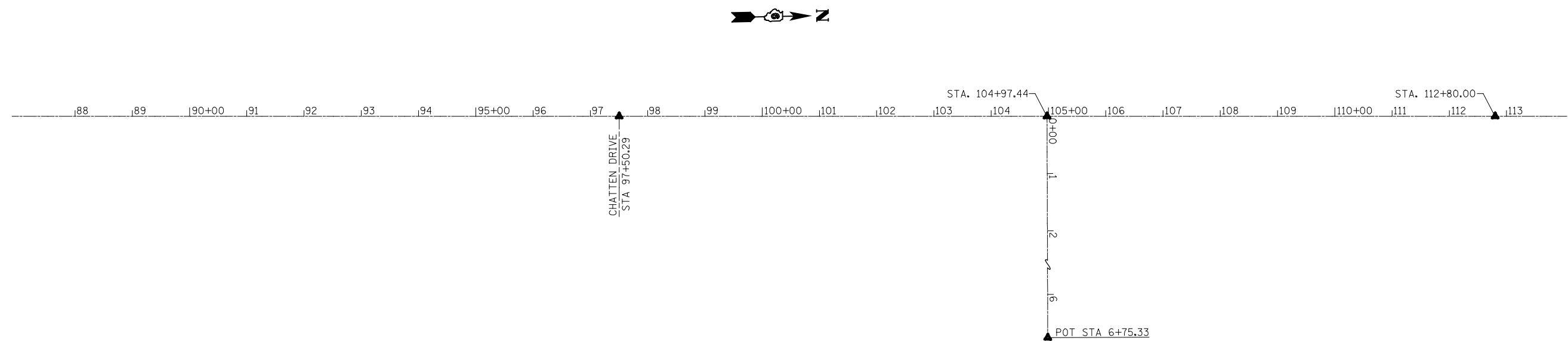
- 1. EX 9"-6"-9" PCC PVMT
- 2. EX HMA RESURFACING
- 3. EX GUTTER
- 4. EX CONC. WIDENING & GUTTER
- 5. EX HMA WIDENING
- 6. EX AGG SHLDR
- 7. EX HMA CURB
- 8. EX CONC. C & G
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- 10. PR AGGREGATE DITCH 12" W/ FILTER FABRIC
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- 13. PR MODIFIED URETHANE PAVEMENT MARKING 5"
- 14. PR HMA SURFACE COURSE, MIX C, N50
- 15. PR GUARDRAIL
- 16. PR AGGREGATE SHOULDERS, TYPE B 8"

USER NAME =	DESIGNED -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE =	DRAWN -	REVISED -
	CHECKED -	REVISED -

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7825	(K-15)DC	ADAMS	75	15
CONTRACT NO. 72F26				
ILLINOIS FED. AID PROJECT				



BENCHMARKS
 BM PSBA 10: CHISELED "□" ON WEST BASE OF SIGN AT STA. 104+16.24, 30.5' RT. NAVD '88 EL. 611.643
 BM TA-12: CHISELED "□" ON S. END OF WEST HEADWALL CULVERT JUST S. OF CHATTEN DR. & IL 96 0.8 MILE N. OF KOCH LANE NAVD '88 EL. 619.593
 BM TA-13: CHISELED "□" ON N. END OF EAST HEADWALL CULVERT 1.30 MILE N. OF KOCH LANE & IL 96 NAVD '88 EL. 594.837



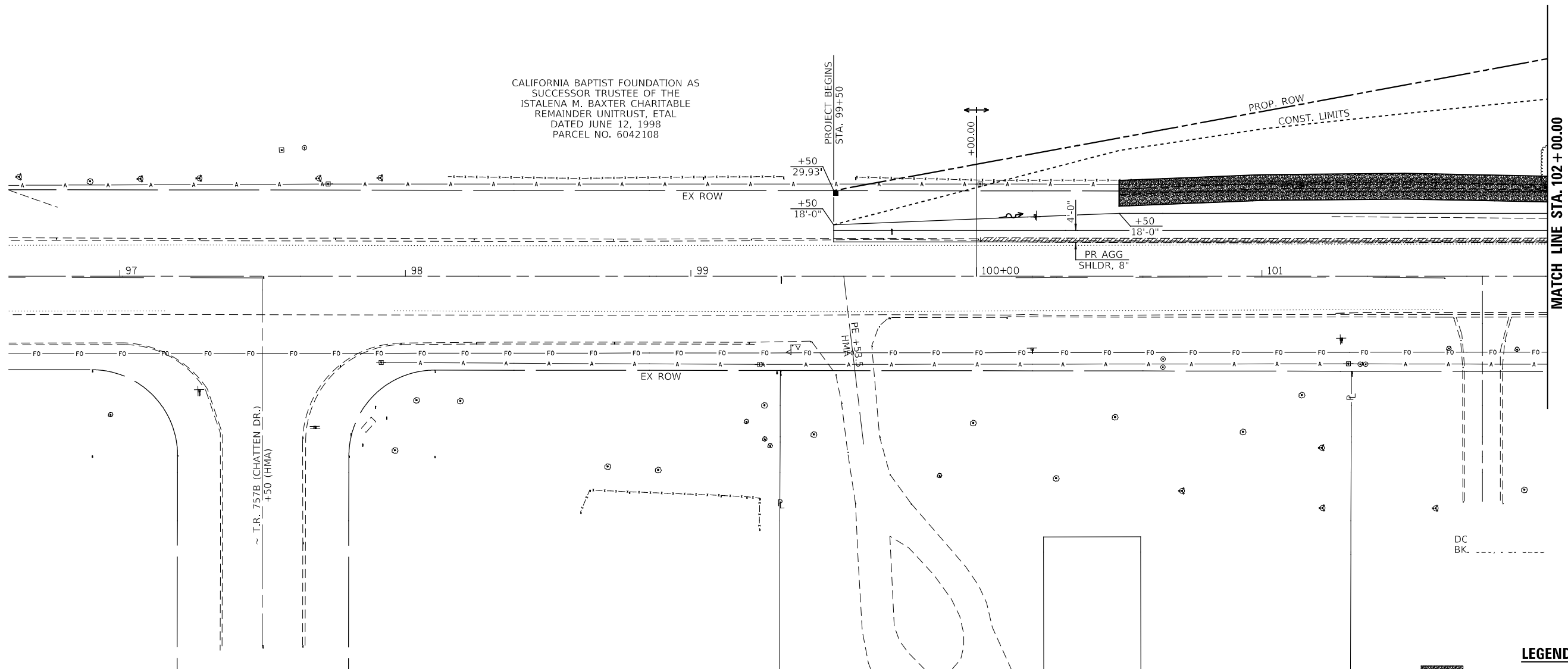
 VEENSTRA & KIMM INC. Springfield, IL. Phone: (217)544-8033 IL. Design Firm No. 184-001939	USER NAME =	DESIGNED -	REVISED -
	CHECKED -	REVISED -	
	PLOT SCALE =	DRAWN -	REVISED -
	PLOT DATE =	CHECKED -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

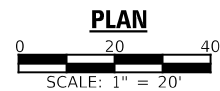
ALIGNMENT, TIES AND BENCHMARKS			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7825	(K-15D)C	ADAMS	75	16
CONTRACT NO. 72F26				
ILLINOIS FED. AID PROJECT				

SECTION 24, T. 1 S., R. 9 W., 4th P.M.



SECTION 19, T. 1 S., R. 8 W., 4th P.M.



LEGEND

- AGGREGATE DITCH
- STONE DUMPED RIPRAP, CLASS A3
- STONE DUMPED RIPRAP, CLASS A5
- PAVEMENT REMOVAL
- GUTTER REMOVAL



USER NAME =	DESIGNED -	REVISED -
	CHECKED -	REVISED -
PLOT SCALE =	DRAWN -	REVISED -
PLOT DATE =	CHECKED -	REVISED -

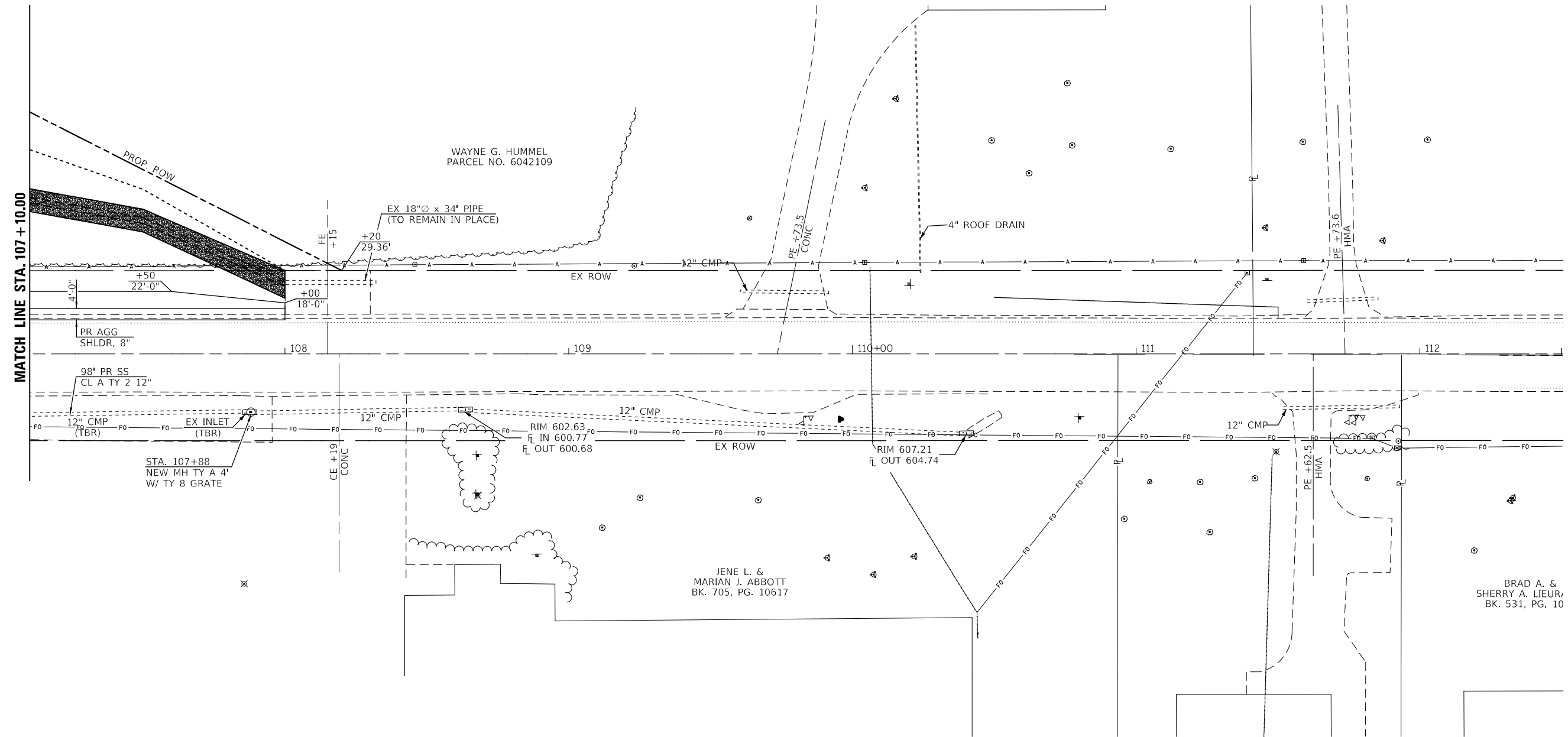
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN
(IL 96)

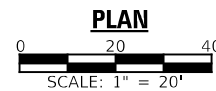
SCALE: 1" = 20' SHEET NO. 1 OF 4 SHEETS STA. 97+00.00 TO STA. 102+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7825	(K-15)DC	ADAMS	75	17
CONTRACT NO. 72F26				
ILLINOIS FED. AID PROJECT				

SECTION 23, T. 1 S., R. 9 W., 4th P.M.



SECTION 18, T. 1 S., R. 8 W., 4th P.M.



LEGEND

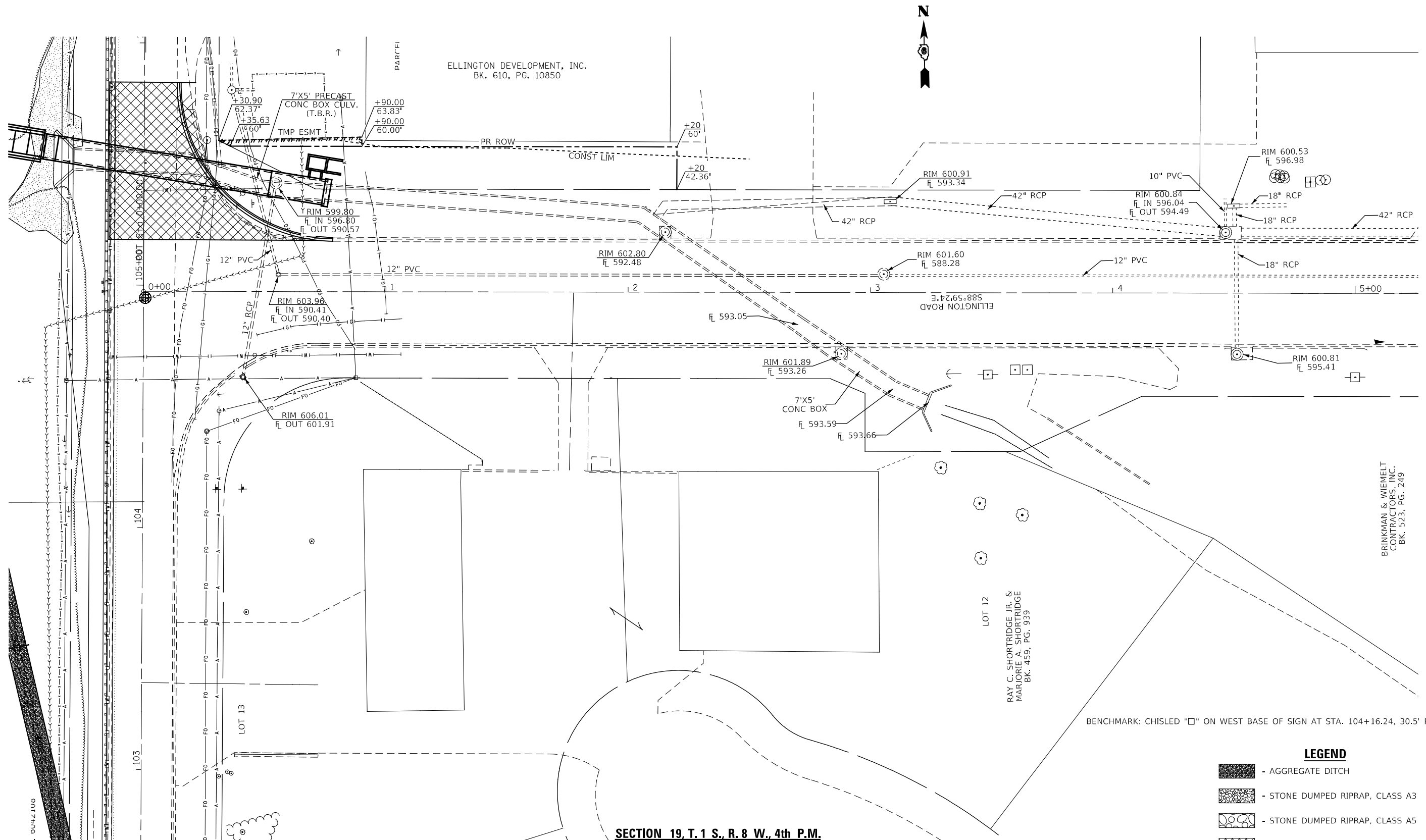
- AGGREGATE DITCH
- STONE DUMPED RIPRAP, CLASS A3
- STONE DUMPED RIPRAP, CLASS A5
- PAVEMENT REMOVAL
- GUTTER REMOVAL

USER NAME =	DESIGNED -	REVISED -
	CHECKED -	REVISED -
PLOT SCALE =	DRAWN -	REVISED -
PLOT DATE =	CHECKED -	REVISED -

PLAN (IL 96)	
SCALE: 1" = 20'	SHEET NO. 3 OF 4 SHEETS
STA. 107+10.00 TO STA. 113+00.00	

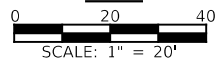
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7825	(K-15)DC	ADAMS	75	19
CONTRACT NO. 72F26				
ILLINOIS FED. AID PROJECT				

SECTION 24, T. 1 S., R. 9 W., 4th P.M.



SECTION 19, T. 1 S., R. 8 W., 4th P.M.

PLAN



LEGEND

- AGGREGATE DITCH
- STONE DUMPED RIPRAP, CLASS A3
- STONE DUMPED RIPRAP, CLASS A5
- PAVEMENT REMOVAL
- GUTTER REMOVAL

BENCHMARK: CHISLED "□" ON WEST BASE OF SIGN AT STA. 104+16.24, 30.5' RT.

BRINKMAN & WIEMELT
CONTRACTORS, INC.
BK. 523, PG. 249

USER NAME =	DESIGNED -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE =	DRAWN -	REVISED -
	CHECKED -	REVISED -

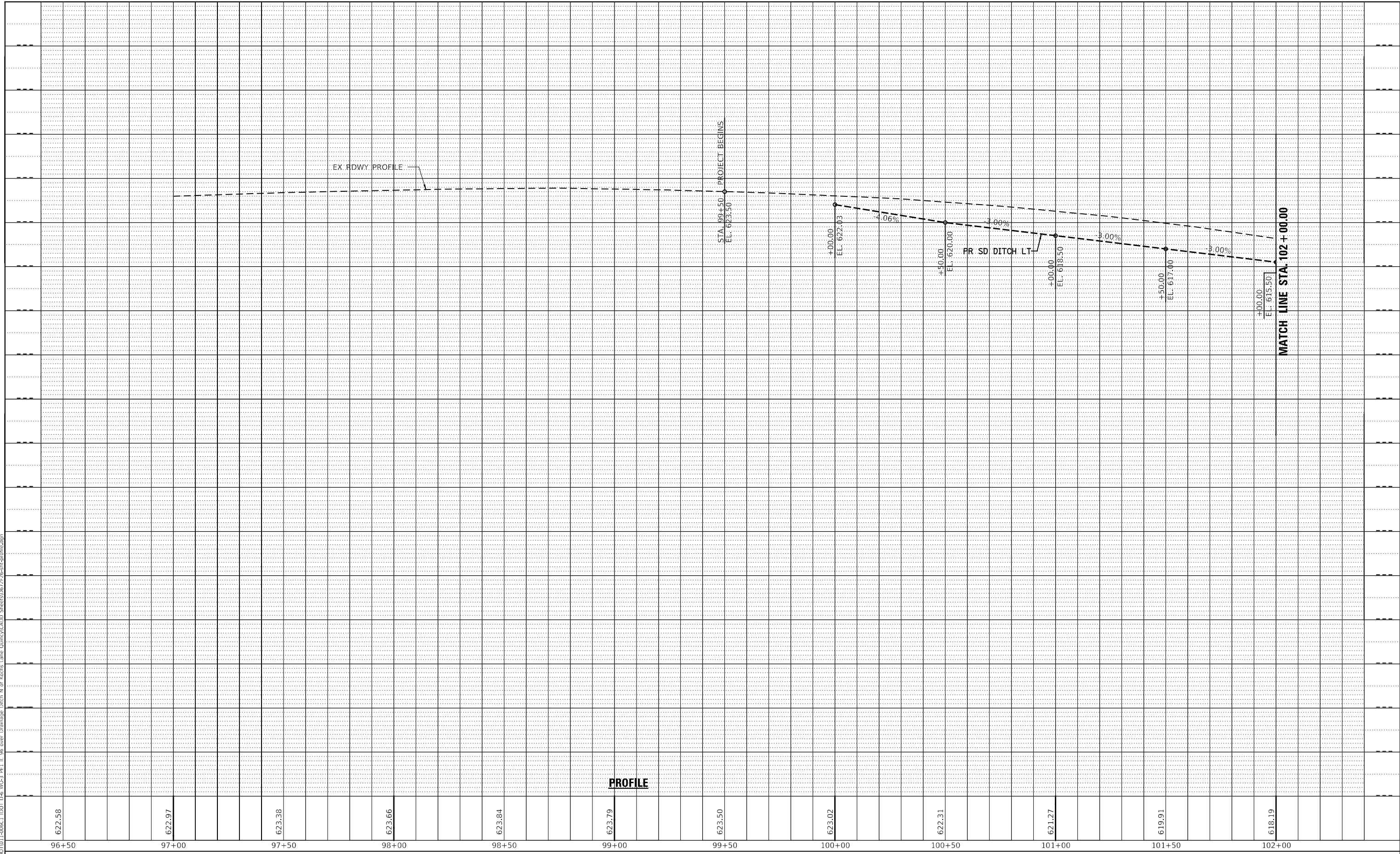
PLAN (ELLINGTON ROAD)	
SCALE: 1" = 20'	SHEET NO. 4 OF 4 SHEETS
STA. 0+00.00 TO STA. 5+00.00	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7825	(K-15)DC	ADAMS	75	20
CONTRACT NO. 72F26				
ILLINOIS FED. AID PROJECT				

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

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
NOTE BOOK NO.	GRADES CHECKED		
	STRUCTURE NOTATION CHKD		

MODEL: 001
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PROFILE

622.58	622.97	623.38	623.66	623.84	623.79	623.50	623.02	622.31	621.27	619.91	618.19
96+50	97+00	97+50	98+00	98+50	99+00	99+50	100+00	100+50	101+00	101+50	102+00

VK VEENSTRA & KIMM INC.
 Springfield, IL. Phone: (217)544-8033
 IL Design Firm No. 184-001939

USER NAME =	SUSERS
PLOT SCALE =	5SCALES
PLOT DATE =	8/17/2022

DESIGNED -	REVISER -
DRAWN -	REVISIONS -
CHECKED -	REVISIONS -
DATE -	REVISIONS -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

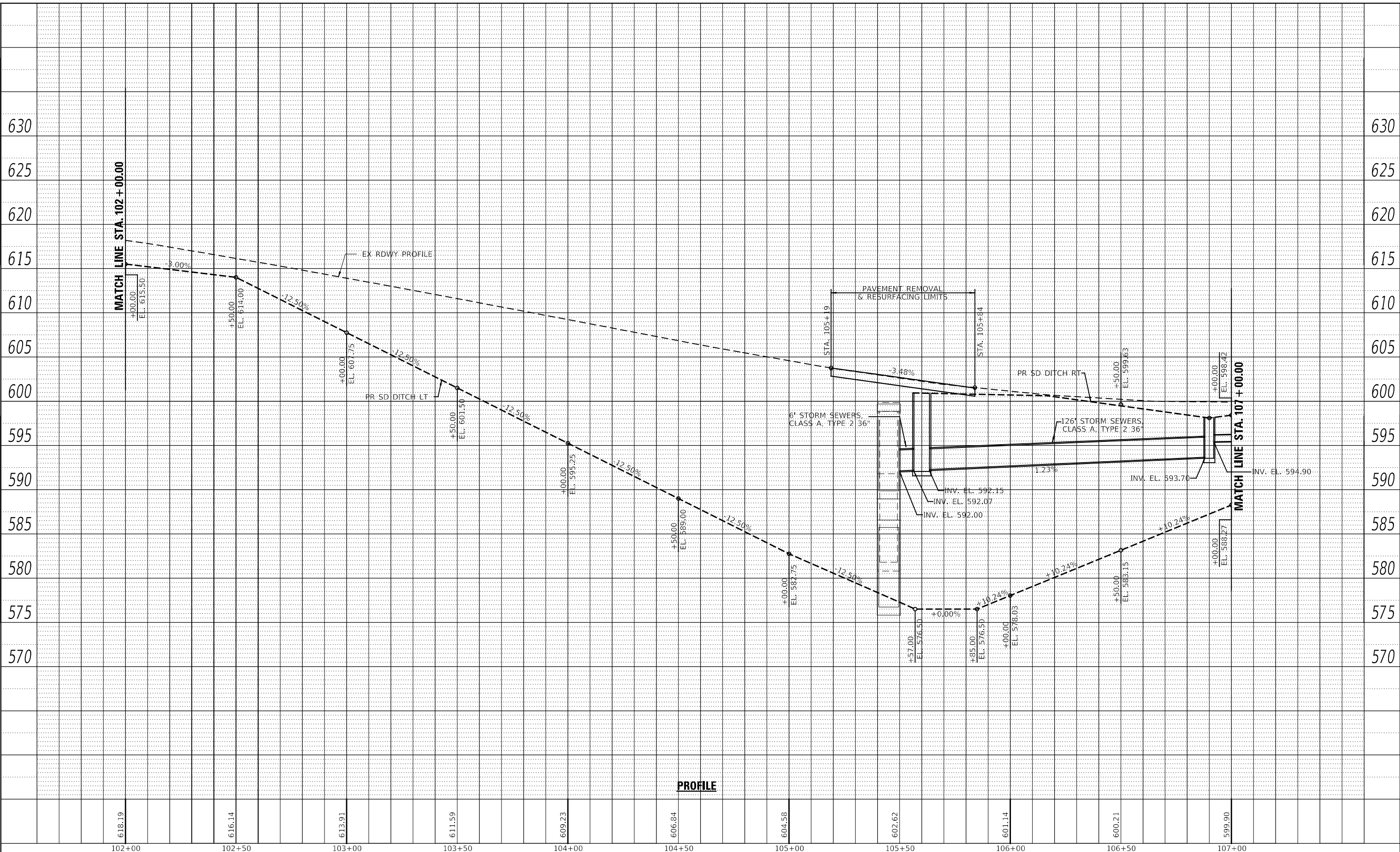
SCALE: 1" = 20'	SHEET 1 OF 4 SHEETS	PROFILE (IL 96)	STA. 97+00.00 TO STA. 102+00.00
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F.A.U. RTE. 7825	SECTION (K-15)DC	COUNTY ADAMS	TOTAL SHEETS 75	SHEET NO. 21
CONTRACT NO. 72F26				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	ALIGNMENT CHECKED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	NOTE BOOK NO.		
	CADD FILE NAME		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	NOTE BOOK NO.		
	CADD FILE NAME		

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PROFILE



USER NAME	= SUSERS
PLOT SCALE	= 5SCALES
PLOT DATE	= 8/17/2022

DESIGNED	-
DRAWN	-
CHECKED	-
DATE	-

REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

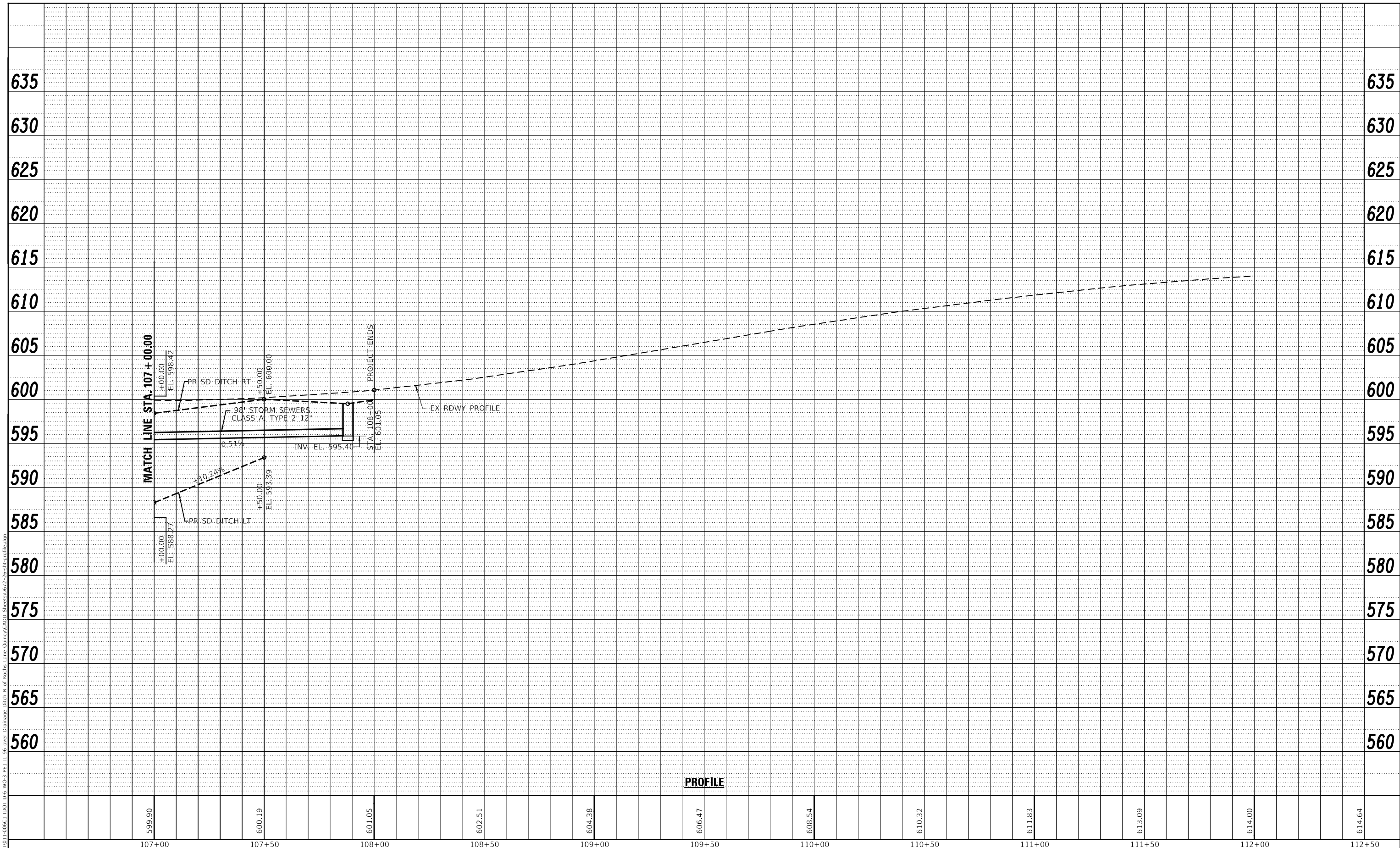
PROFILE	
(IL 96)	
SCALE: 1" = 20'	SHEET 2 OF 4 SHEETS
STA. 97+00.00	TO STA. 102+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7825	(K-15)DC	ADAMS	75	22
CONTRACT NO. 72F26				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	ALIGNMENT CHECKED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	NOTE BOOK NO.		
	CADD FILE NAME		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	NOTE BOOK NO.		
	CADD FILE NAME		

MODEL: 003
 FILE NAME: Z:\2011\Jobs\0207011-006C1\007 D-6 W0-3 PE1 IL 96 over Drainage Ditch N of Kochs Lane Quincy\CADD Sheets\020722\22-01-traffic.dgn



PROFILE



USER NAME =	SUSERS	DESIGNED -	REVISED -
PLOT SCALE =	5SCALES	DRAWN -	REVISED -
PLOT DATE =	8/17/2022	CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SCALE: 1" = 20'		SHEET 3 OF 4 SHEETS		STA. 107+00.00 TO STA. 112+00.00	
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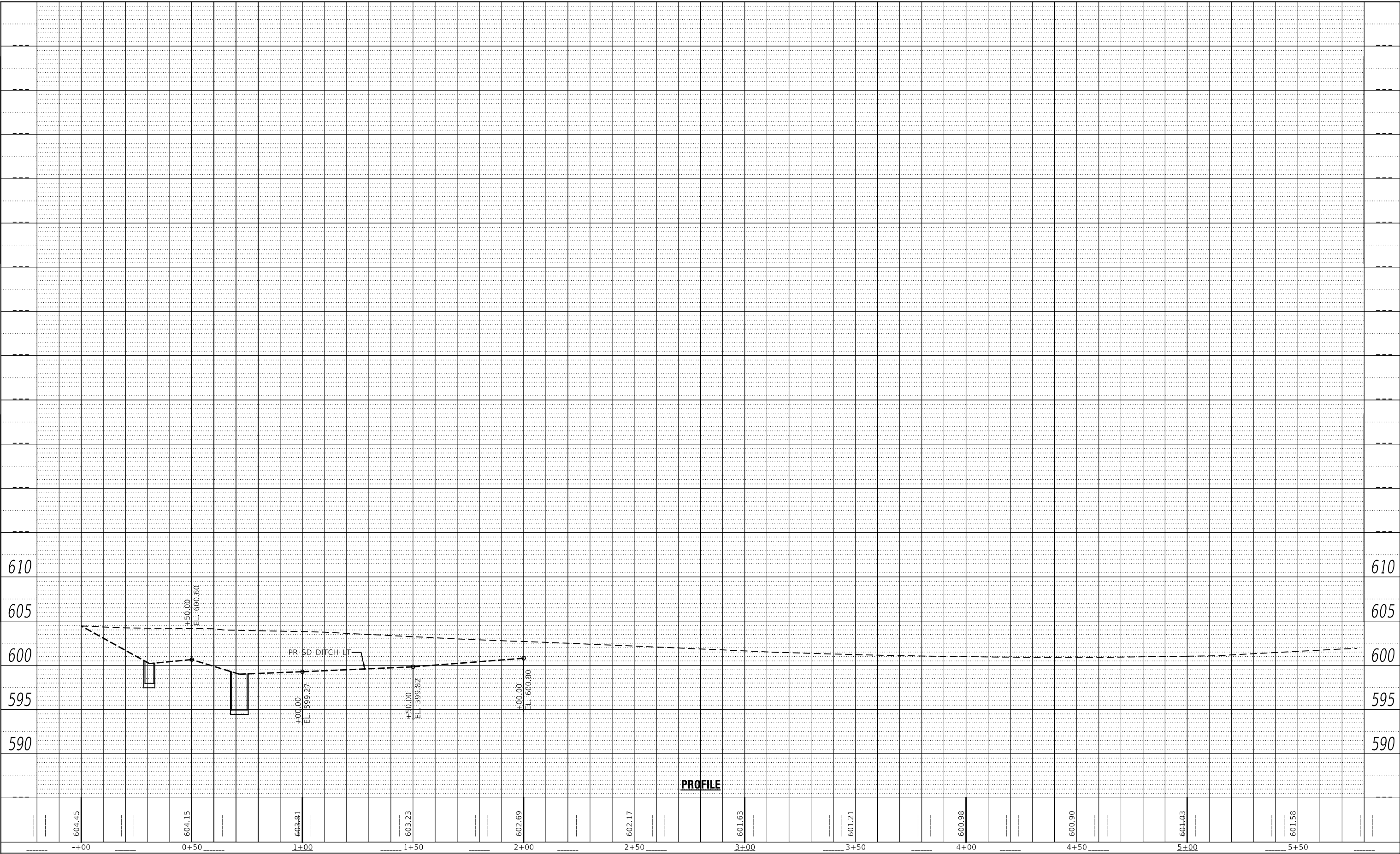
**PROFILE
 (IL 96)**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7825	(K-15)DC	ADAMS	75	23
CONTRACT NO. 72F26				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
	PLOTTED		
NOTE BOOK NO.	ALIGNMENT CHECKED		
	STRUCTURE NOTATION CHECKED		
	CADD FILE NAME		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
NOTE BOOK NO.	GRADES CHECKED		
	STRUCTURE NOTATION CHECKED		

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USER NAME = SUSERS
PLOT SCALE = 5/32 SCALES
PLOT DATE = 8/17/2022

DESIGNED -	REVISD -
DRAWN -	REVISD -
CHECKED -	REVISD -
DATE -	REVISD -

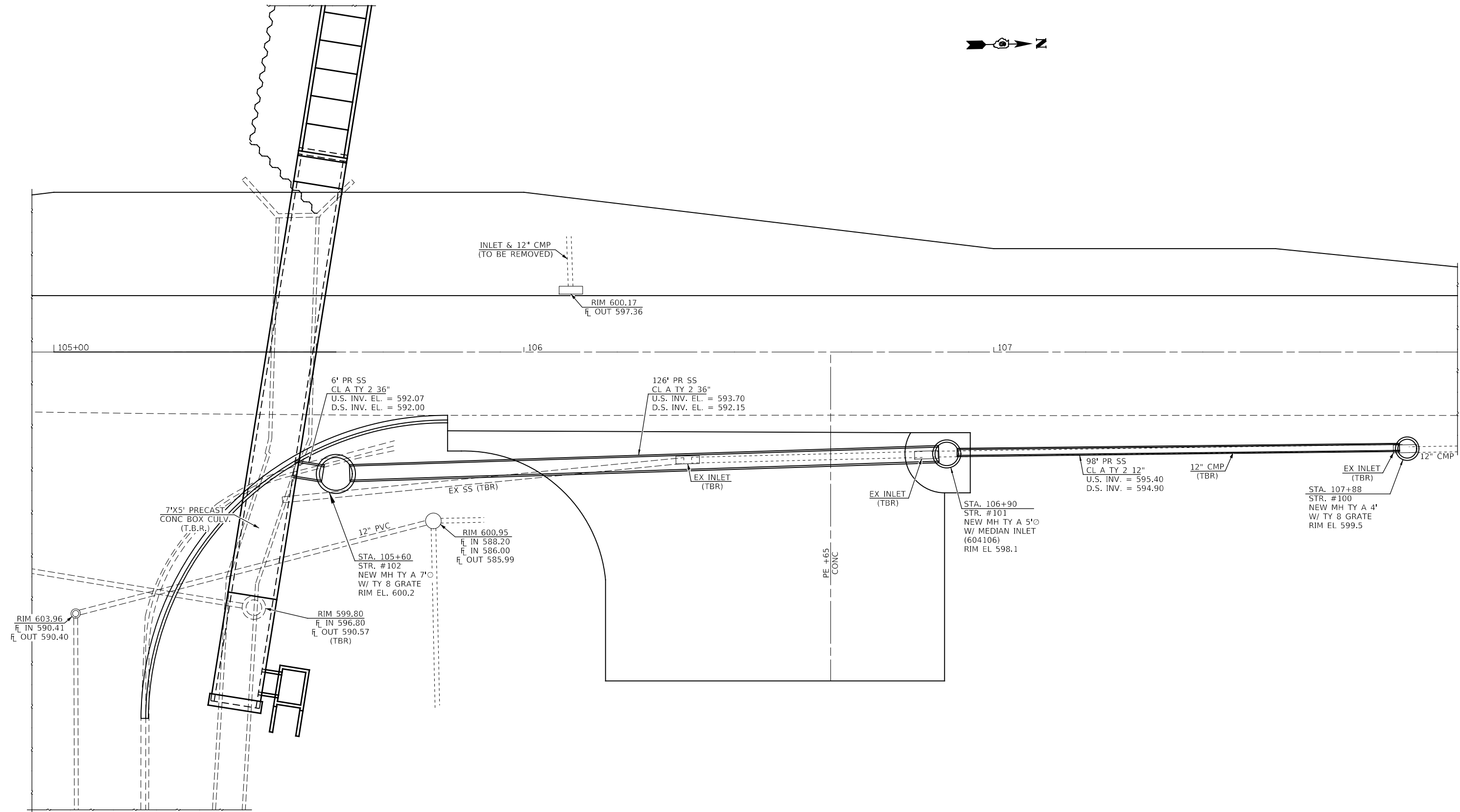
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE: 1" = 20'
SHEET 4 OF 4 SHEETS
STA. 107+00.00 TO STA. 112+00.00

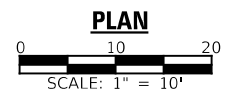
**PROFILE
(ELLINGTON ROAD)**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7825	(K-15)D/C	ADAMS	75	24
CONTRACT NO. 72F26				
ILLINOIS FED. AID PROJECT				

SECTION 24, T.1 S., R. 9 W., 4th P.M.



SECTION 19, T.1 S., R. 8 W., 4th P.M.



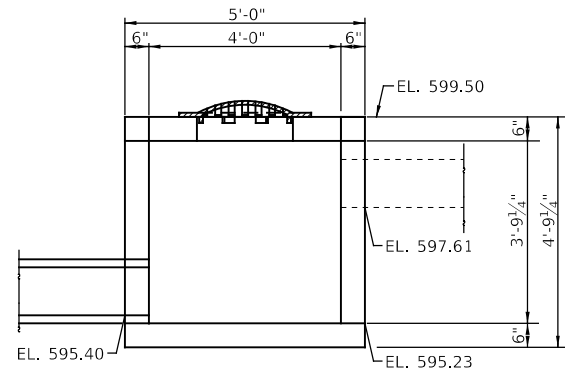
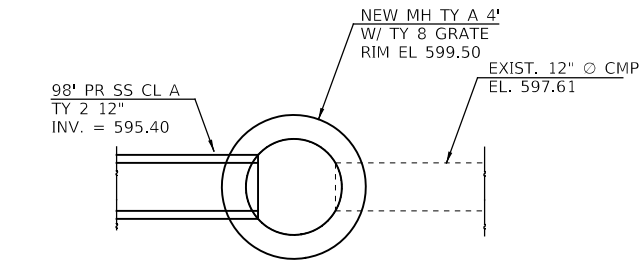
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PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE =	DRAWN -	REVISED -
	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

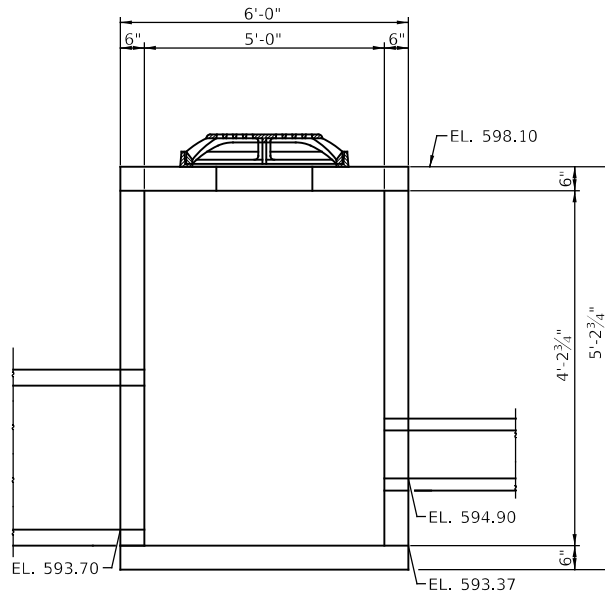
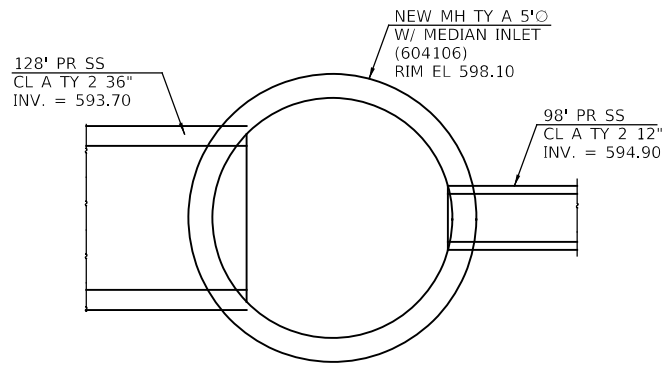
DRAINAGE PLAN
(IL 96)

SCALE: 1" = 10' SHEET NO. 1 OF 2 SHEETS STA. 97+00.00 TO STA. 102+00.00

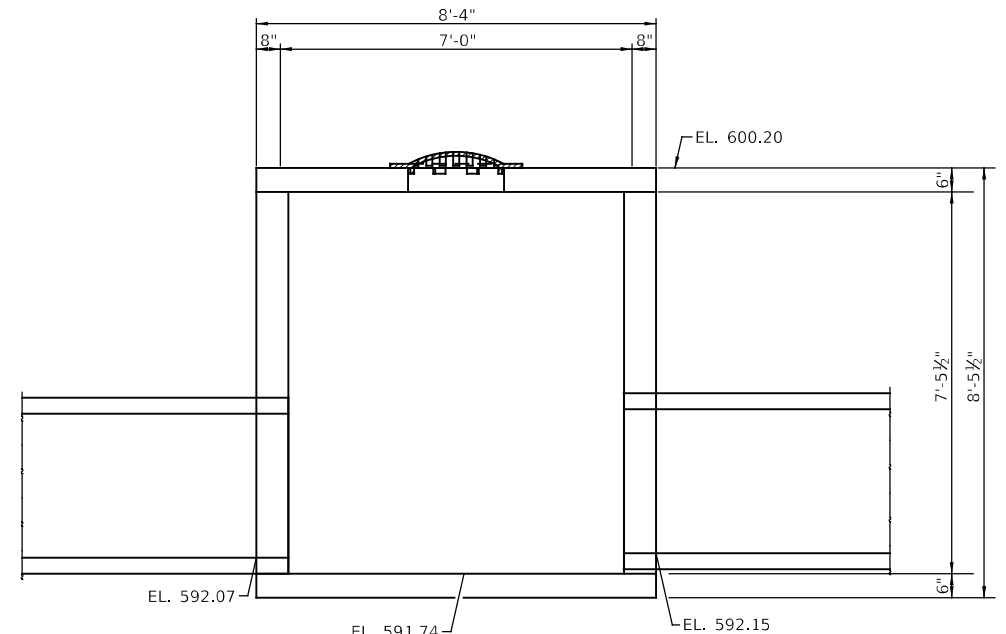
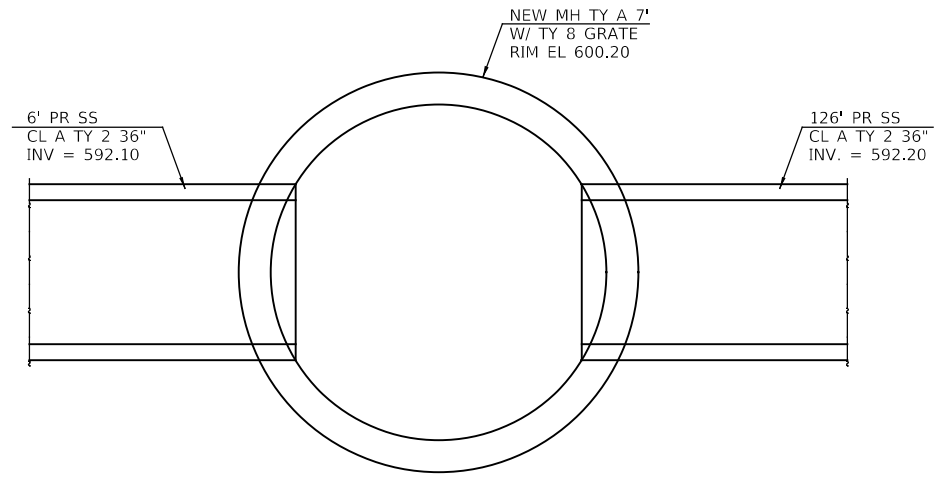
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7825	(K-15)DC	ADAMS	75	25
CONTRACT NO. 72F26				
ILLINOIS FED. AID PROJECT				



100



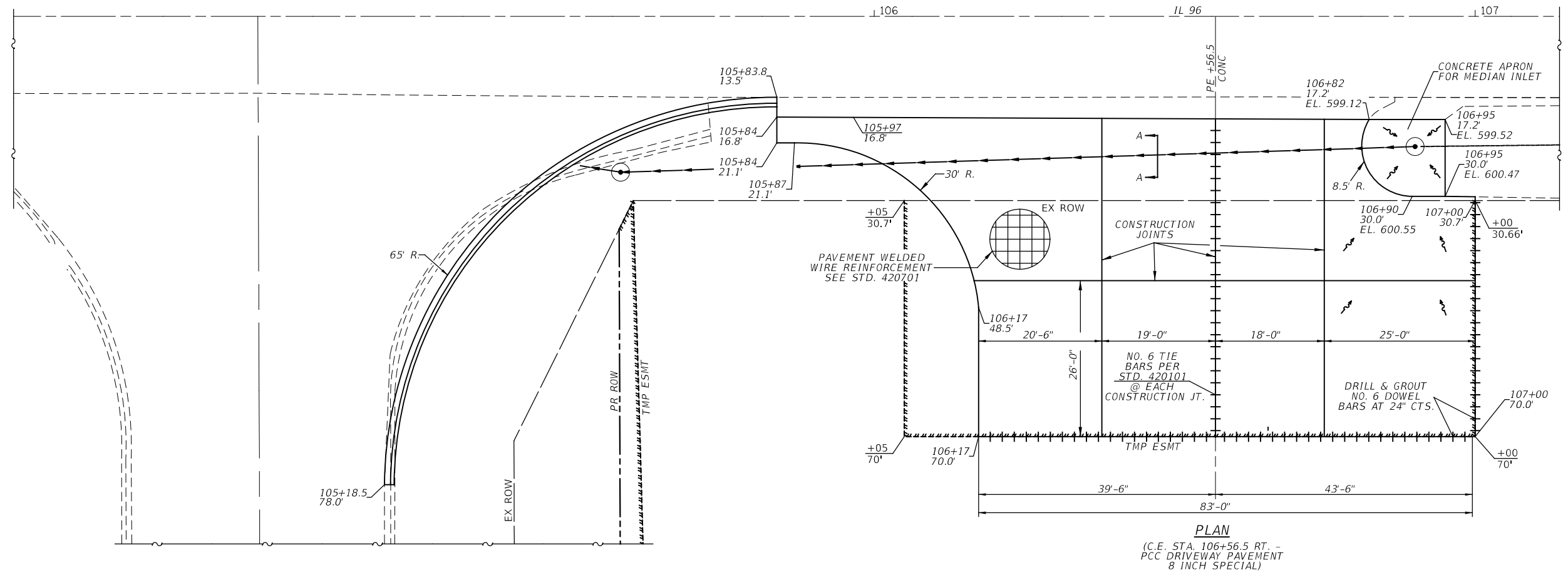
101



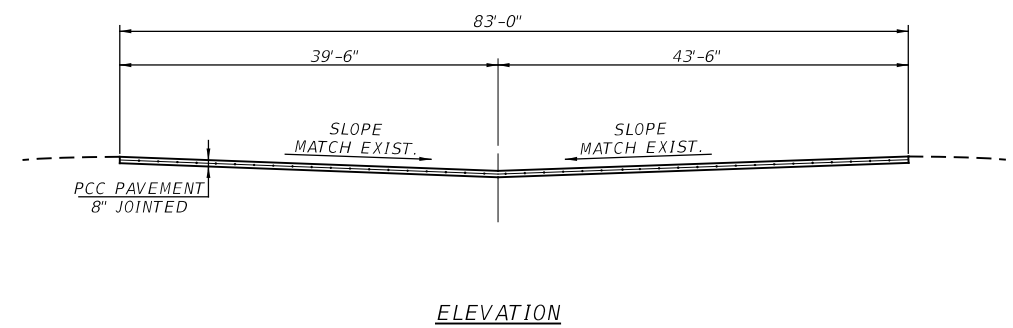
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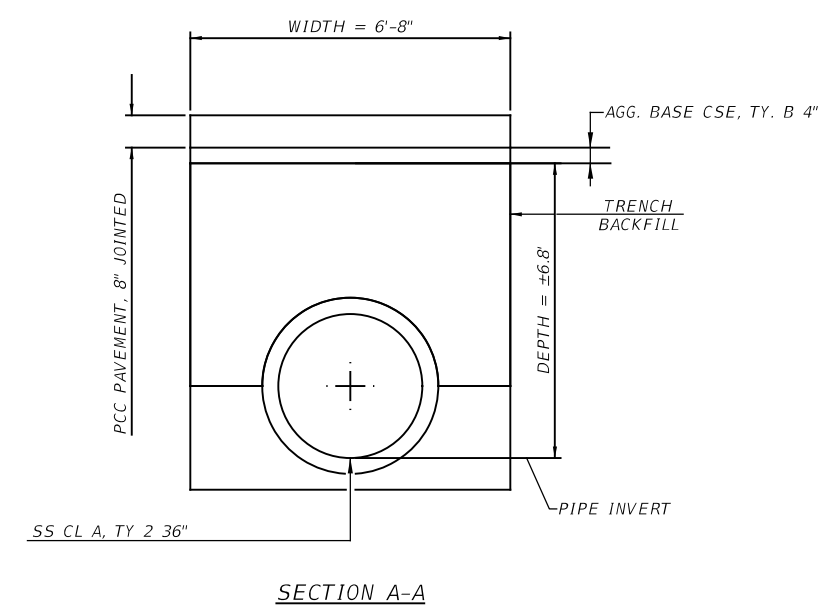
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7825	(K-15DC)	ADAMS	75	26
CONTRACT NO. 72F26				
ILLINOIS FED. AID PROJECT				



PLAN
 (C.E. STA. 106+56.5 RT. -
 PCC DRIVEWAY PAVEMENT
 8 INCH SPECIAL)



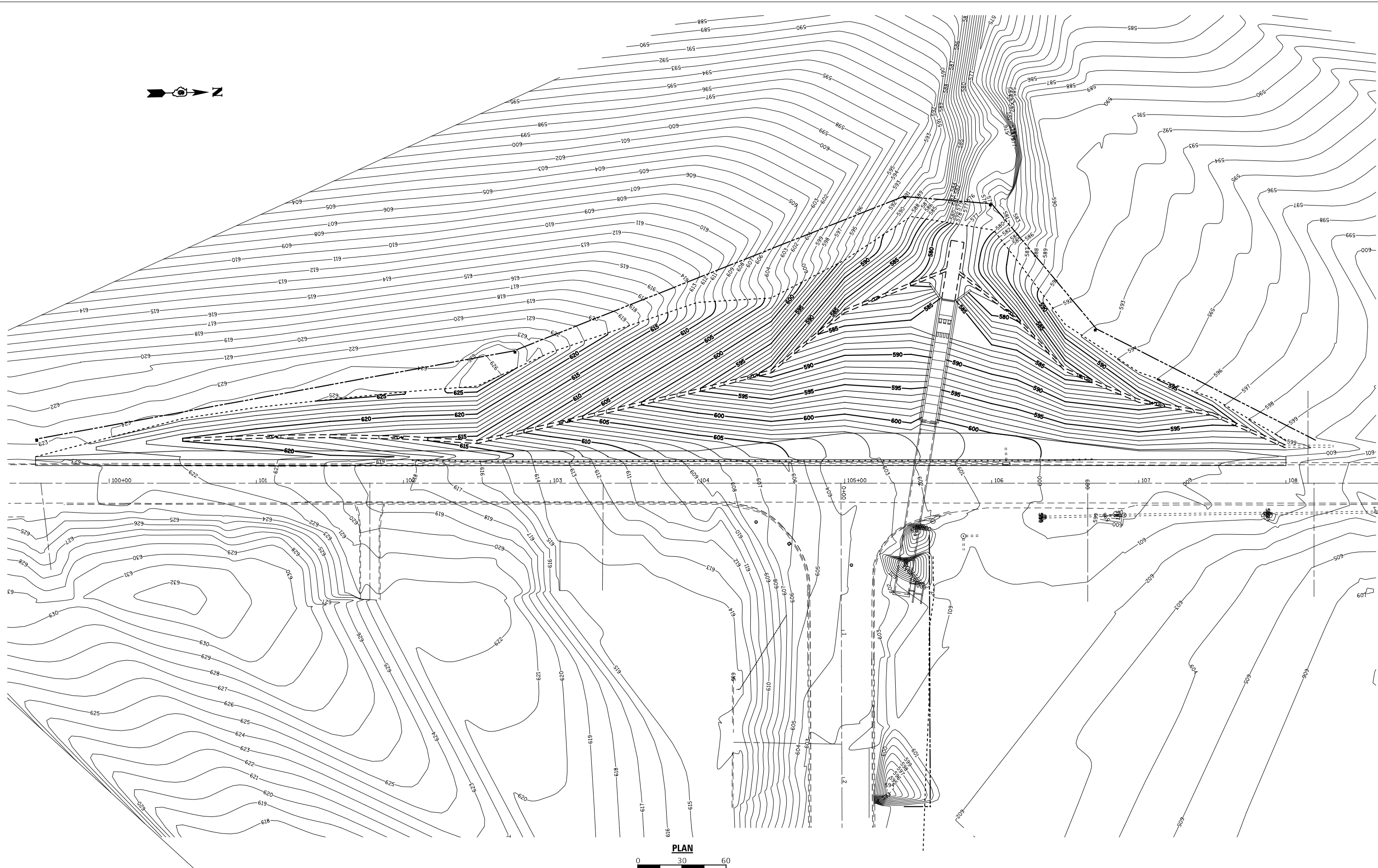
ELEVATION



SECTION A-A

USER NAME =	DESIGNED -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE =	DRAWN -	REVISED -
	CHECKED -	REVISED -

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7825	(K-15)DC	ADAMS	75	27
CONTRACT NO. 72F26				
ILLINOIS FED. AID PROJECT				



PLAN
 0 30 60
 SCALE: 1" = 30'

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**GRADING PLAN
 (IL 96)**

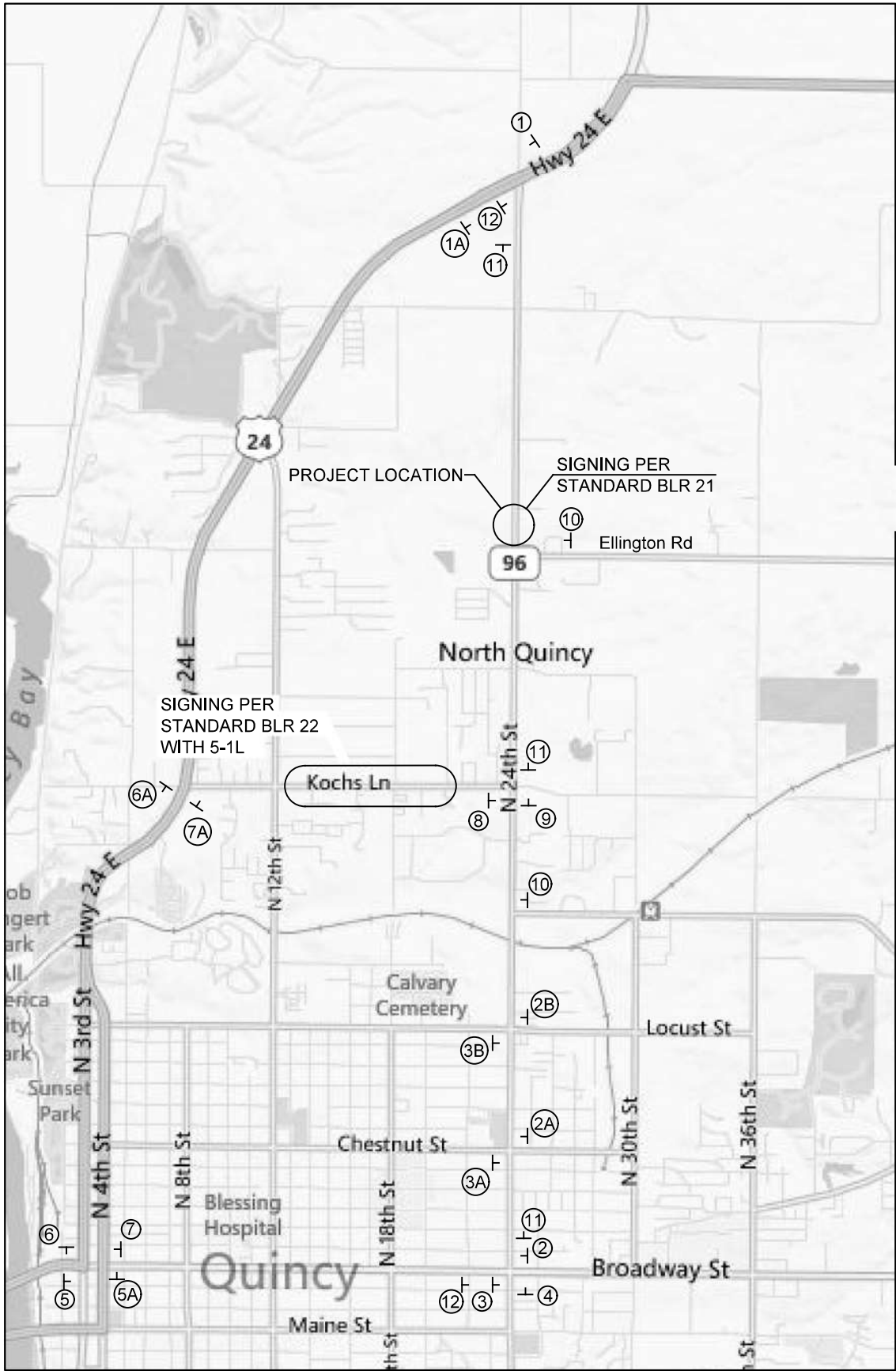
SCALE: 1" = 30' SHEET NO. 1 OF 1 SHEETS STA. 102+00.00 TO STA. 107+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7825	(K-15)DC	ADAMS	75	28
CONTRACT NO. 72F26				

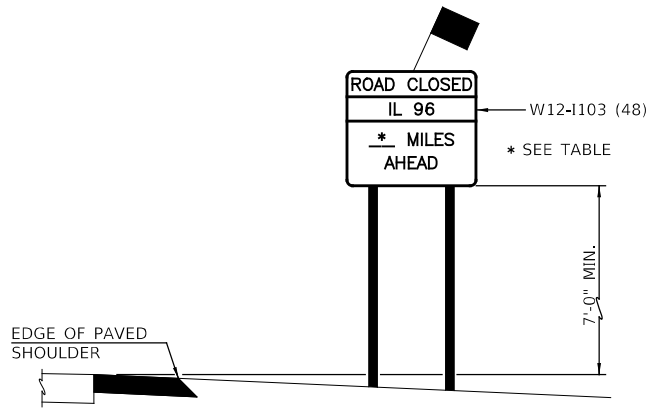
ILLINOIS FED. AID PROJECT



USER NAME =	DESIGNED -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE =	DRAWN -	REVISED -
	CHECKED -	REVISED -

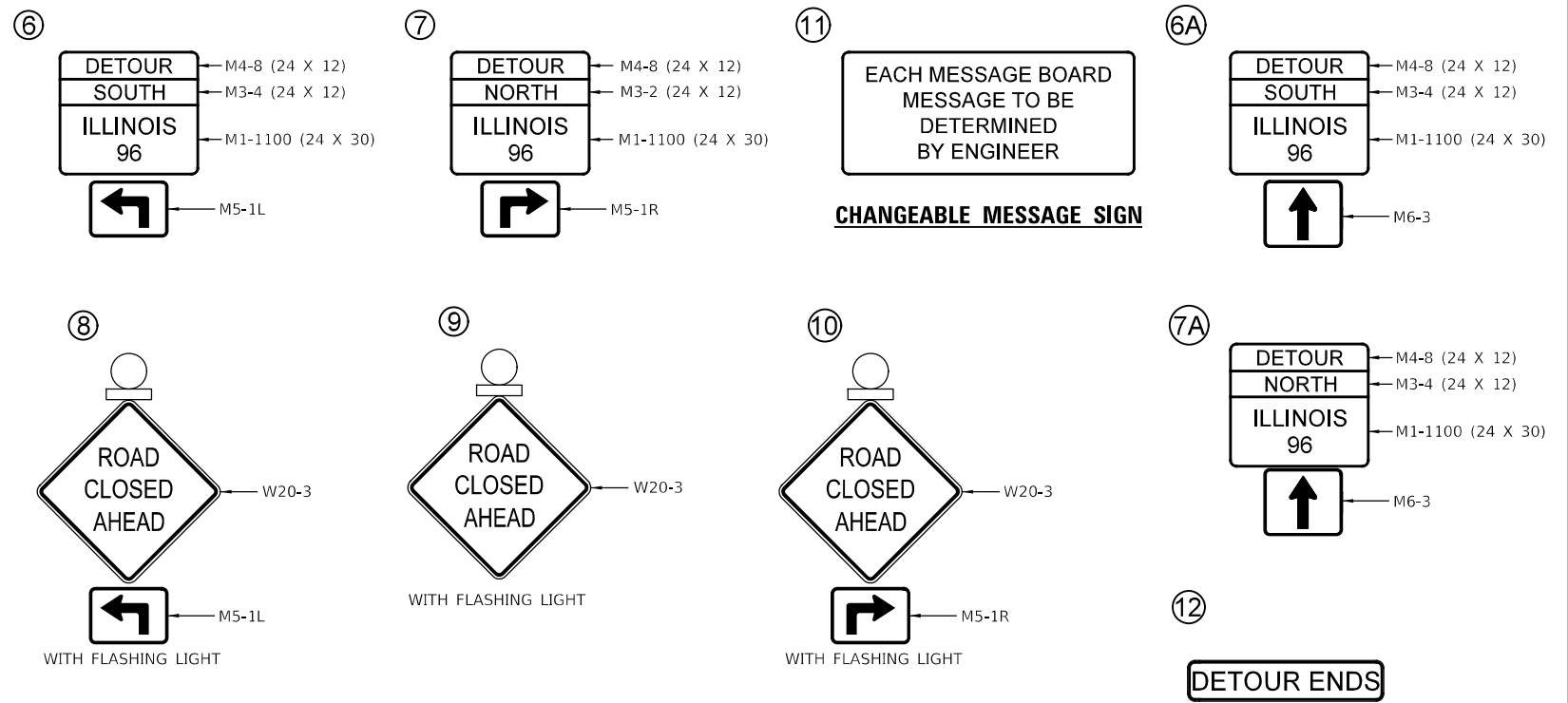
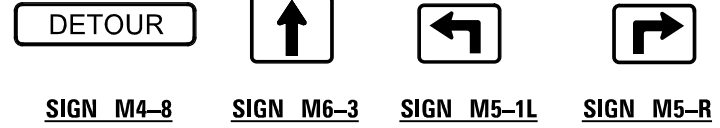


DETOUR MAP



SIGNS 1 - 5

SIGN	MILES AHEAD	WITH
1	1.5	M4-8 & M6-3
1A	1.5	M5-1R
2	3	M4-8 & M6-3
2A	2.5	M5-1R
2B	2	M5-1R
3	3	M5-1L
3A	2.5	M5-1L
3B	2	M5-1L
4	3	M4-8 & M5-1L
5	3.5	M5-1L & M4-8
5A	3.5	M4-8 & M6-3



SUGGESTED CONSTRUCTION SEQUENCE

PRE-ROAD CLOSURE WORK

1. THE CONTRACTOR SHALL PLACE PORTABLE CHANGEABLE MESSAGE SIGN BOARDS TWO WEEKS BEFORE ROAD CLOSURE BEGINS.
2. THE CONTRACTOR SHALL REMOVE ALL TREES PER TREE REMOVAL SCHEDULE.
3. ROUGH GRADING OF PROPOSED EARTH SLOPES. POSSIBLE CONSTRUCTION OF TEMPORARY ROAD FOR CONCRETE TRUCKS.
4. PLACEMENT OF WATER DIVERSION DEVICE AT NORTH WINGWALL ON WEST SIDE TO DIRECT WATER AWAY FROM PROPOSED STILLING BASIN AREA.
5. GRADE AREA TO PROPOSED ELEVATIONS AND BEGIN TO CONSTRUCT STILLING BASIN.
6. AFTER STILLING BASIN IS CONSTRUCTED BEGIN CONSTRUCTION OF ENERGY DISSIPATER IN SECTIONS UNTIL CLOSE TO ROADWAY ELEVATION.

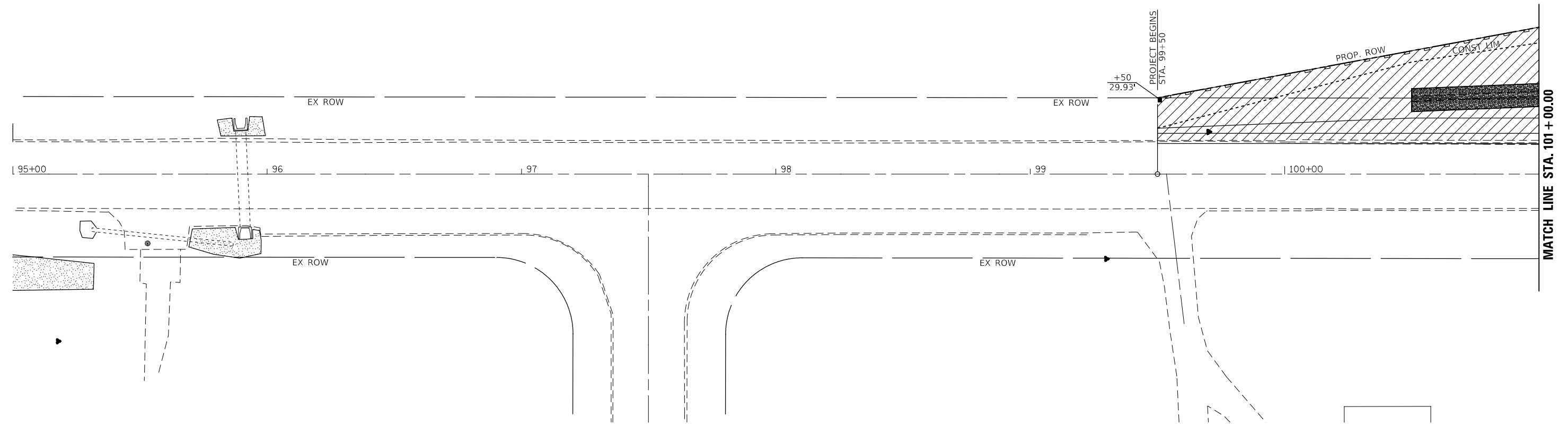
WORK DONE UNDER ROAD CLOSURE

1. THE CONTRACTOR SHALL PLACE ROAD CLOSED SIGN IN ACCORDANCE WITH THIS SHEET AND STANDARD BLR 21.
2. REMOVE EXISTING GUARDRAIL.
3. REMOVE EXISTING PAVEMENT AND CONCRETE CURB AND GUTTER FROM STA. 105+19 TO STA. 105+84.
4. REMOVE ENTIRE 8'X10' CAST IN PLACE BOX CULVERT AND WINGWALLS AND PORTION OF 7'X5' PRECAST BOX CULVERT THAT WILL INTERFERE WITH PLACEMENT OF NEW 9'X9' PRECAST BOX CULVERT.
5. PLACE ROCKFILL AND COMPACTED AGGREGATE AND THEN PLACE ENTIRE NEW 9'X9' PRECAST BOX CULVERT CONNECT TO ENERGY DISSIPATOR AND INSTALL NEW STORM SEWER, AND MANHOLE AT STA. 105+58 26'RT.
6. PLACE GRANULAR CULVERT BACKFILL.
7. INSTALL CONCRETE CURB AND GUTTER TYPE B 6.12.
8. PLACE HOT MIX ASPHALT BASE AND SURFACE COURSE.
9. FINISH GRADING EARTHWORK AND INSTALL GUARDRAIL ON WEST SIDE.
10. THE CONTRACTOR SHALL OPEN THE ROAD TO TRAFFIC AND COMPLETE REMAINING WORK UNDER FLAGGERS.







WORK DONE UNDER FLAGGERS

1. CONSTRUCT CAST IN PLACE CONCRETE BOX CULVERTS AND ATTACH TO EXISTING 7'X5' PRECAST BOX CULVERT.
2. CONSTRUCT CONCRETE STRUCTURES DROP BOX WITH WITH PRECAST PIPE CONNECTED TO CONCRETE BOX CULVERTS NORTH OF ELLINGTON ROAD.
3. REMOVE AND REPLACE COMMERCIAL CONCRETE ENTRANCE AT STA. 102+56.5 RT.
4. SHAPE AND GRADE EARTH FOR SHOULDERS AND DITCHES STA. 99+50 LT. TO STA. 108+00 LT. AND EARTH DITCHES STA. 107+00 STA. 108+00 RT.
5. CONSTRUCT HMA SHOULDERS STA. 99+50 TO STA. 108+00 LT.
6. FINAL STRIPING, SEEDING AND MISCELLANEOUS CLEANUP.

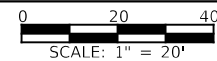
USER NAME =	DESIGNED -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE =	DRAWN -	REVISED -
	CHECKED -	REVISED -



LEGEND

-  - AGGREGATE DITCH
-  - STONE DUMPED RIPRAP, CLASS A3
-  - STONE DUMPED RIPRAP, CLASS A5
-  - TEMPORARY DITCH CHECKS
-  - SEEDING, CLASS 2
-  - PERMITTER EROSION BARRIER

EROSION CONTROL PLAN



**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

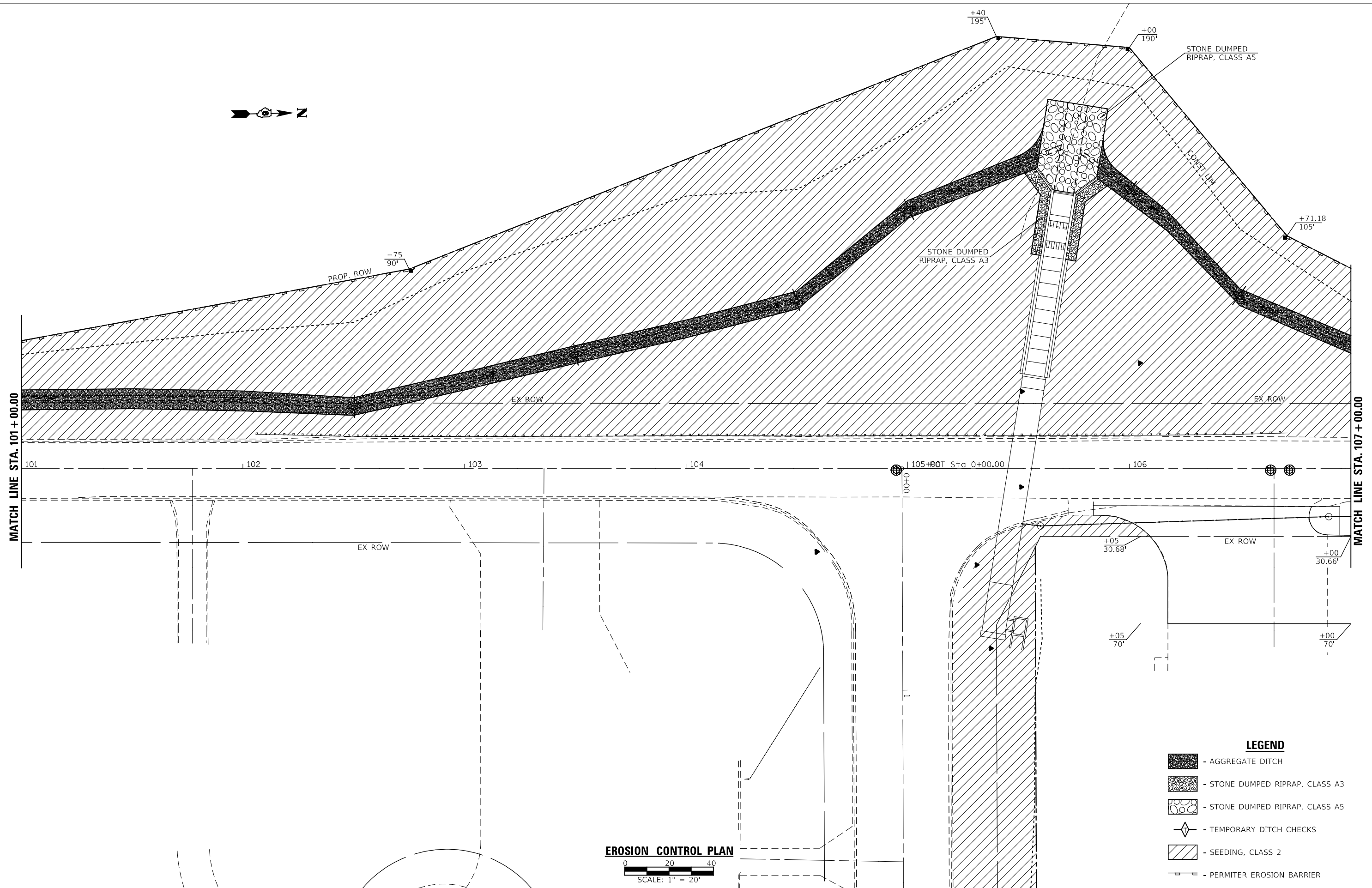
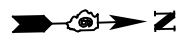
EROSION CONTROL PLAN







SCALE: 1" = 20' SHEET NO. 1 OF 4 SHEETS STA. 95+00.00 TO STA. 101+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7825	(K-15)DC	ADAMS	75	30
CONTRACT NO. 72F26				
ILLINOIS FED. AID PROJECT				

VK VEENSTRA & KIMM INC.
Springfield, IL. Phone: (217)544-8033
IL. Design Firm No. 184-001939

USER NAME =	DESIGNED -	REVISED -
CHECKED -	REVISIED -	
PLOT SCALE =	DRAWN -	REVISED -
PLOT DATE =	CHECKED -	REVISED -



- LEGEND**
-  - AGGREGATE DITCH
 -  - STONE DUMPED RIPRAP, CLASS A3
 -  - STONE DUMPED RIPRAP, CLASS A5
 -  - TEMPORARY DITCH CHECKS
 -  - SEEDING, CLASS 2
 -  - PERMITTER EROSION BARRIER

EROSION CONTROL PLAN
 0 20 40
 SCALE: 1" = 20'

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

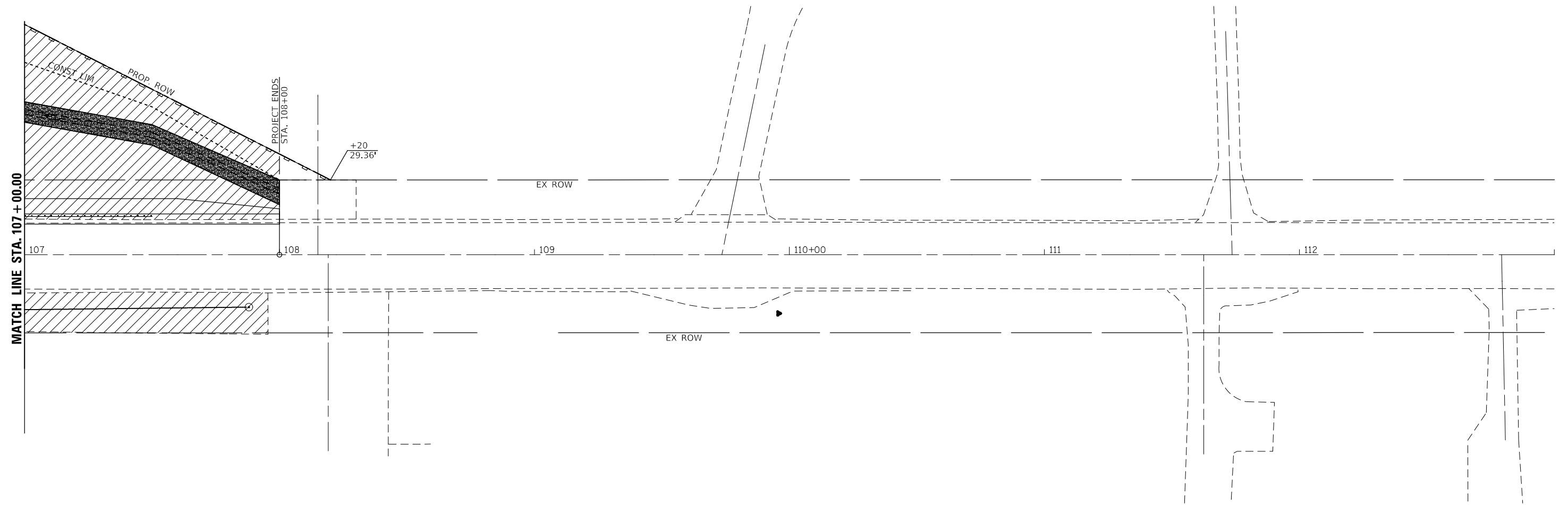
EROSION CONTROL PLAN

SCALE: 1" = 20' SHEET NO. 2 OF 4 SHEETS STA. 101+00.00 TO STA. 107+00.00

VK VEENSTRA & KIMM INC.
 Springfield, IL. Phone: (217)544-8033
 IL. Design Firm No. 184-001939

USER NAME =	DESIGNED -	REVISED -
	CHECKED -	REVISED -
PLOT SCALE =	DRAWN -	REVISED -
PLOT DATE =	CHECKED -	REVISED -

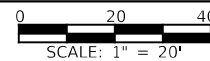
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7825	(K-15)DC	ADAMS	75	31
CONTRACT NO. 72F26				
ILLINOIS FED. AID PROJECT				



LEGEND

- AGGREGATE DITCH
- STONE DUMPED RIPRAP, CLASS A3
- STONE DUMPED RIPRAP, CLASS A5
- TEMPORARY DITCH CHECKS
- SEEDING, CLASS 2
- PERMITTER EROSION BARRIER

EROSION CONTROL PLAN



**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL PLAN

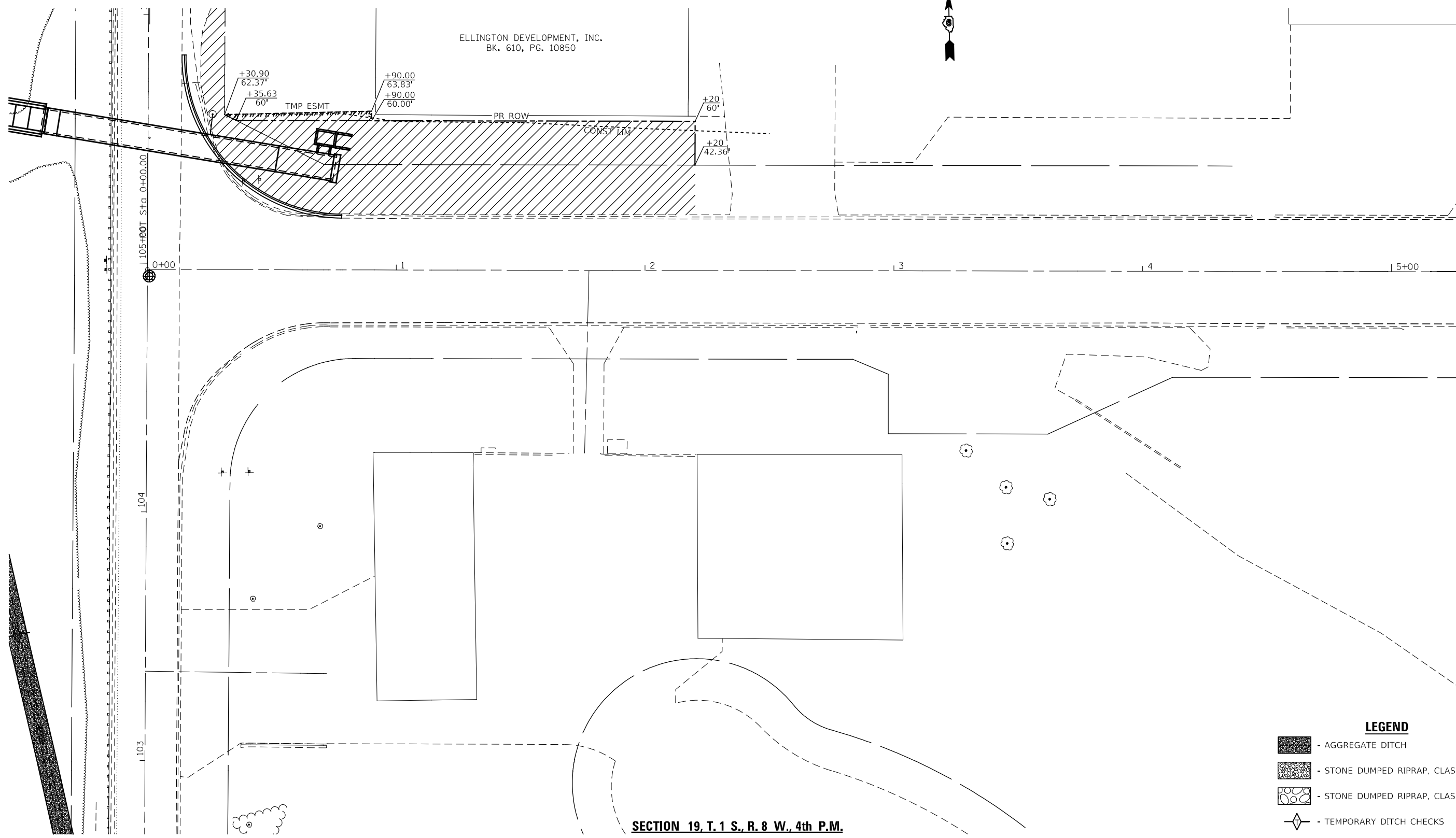
SCALE: 1" = 20' SHEET NO. 3 OF 4 SHEETS STA. 101+00.00 TO STA. 107+00.00

VK VEENSTRA & KIMM INC.
Springfield, IL. Phone: (217)544-8033
IL. Design Firm No. 184-001939

USER NAME =	DESIGNED -	REVISED -
	CHECKED -	REVISED -
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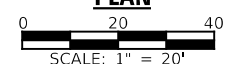
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7825	(K-15D)C	ADAMS	75	32
				CONTRACT NO. 72F26
ILLINOIS FED. AID PROJECT				

SECTION 24, T. 1 S., R. 9 W., 4th P.M.









SECTION 19, T. 1 S., R. 8 W., 4th P.M.

PLAN



LEGEND

-  - AGGREGATE DITCH
-  - STONE DUMPED RIPRAP, CLASS A3
-  - STONE DUMPED RIPRAP, CLASS A5
-  - TEMPORARY DITCH CHECKS
-  - SEEDING, CLASS 2
-  - PERMITTER EROSION BARRIER



USER NAME =	DESIGNED -	REVISED -
	CHECKED -	REVISED -
PLOT SCALE =	DRAWN -	REVISED -
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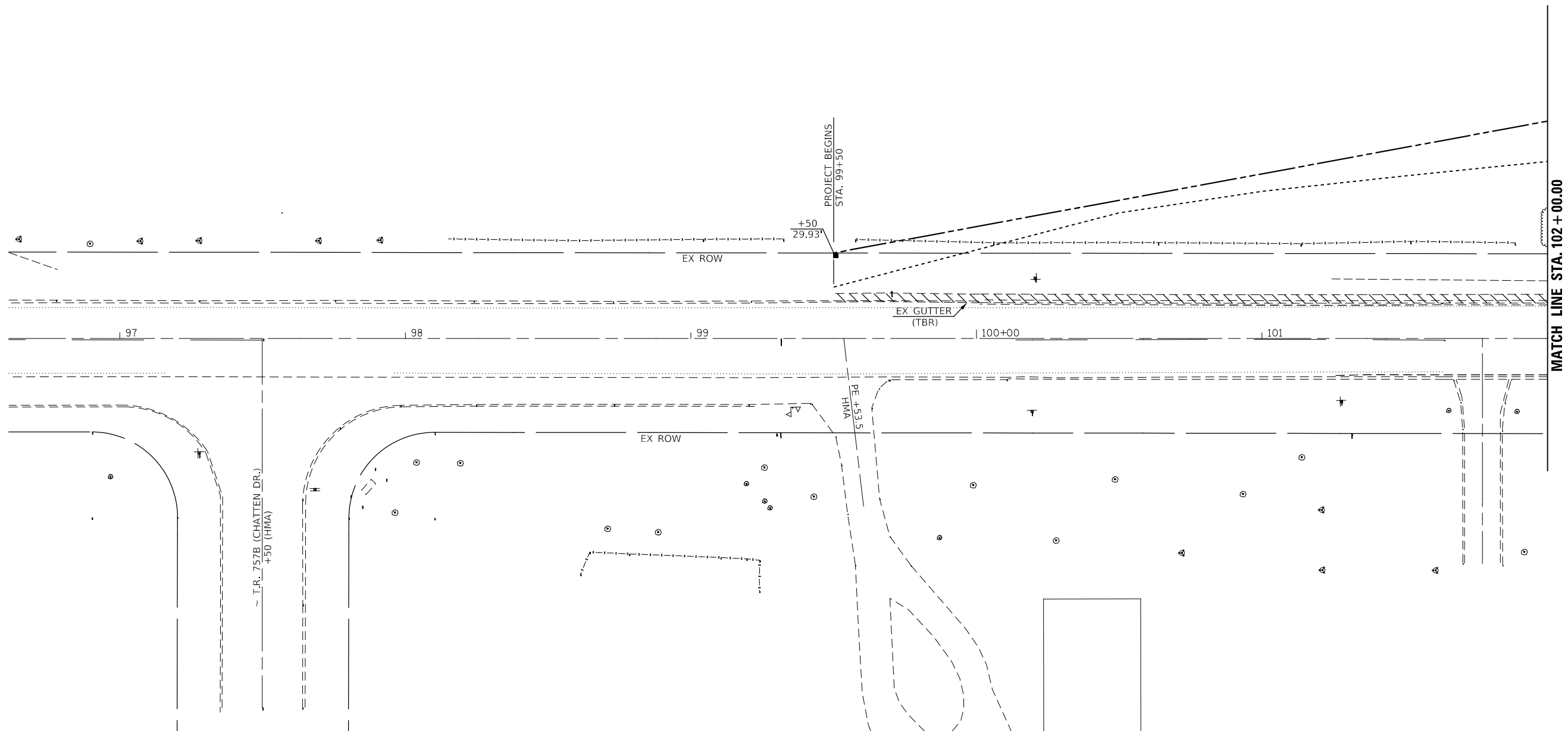
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL PLAN
(ELLINGTON ROAD)

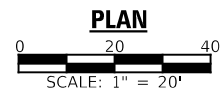
SCALE: 1" = 20' SHEET NO. 4 OF 4 SHEETS STA. 0+00.00 TO STA. 5+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7825	(K-15)DC	ADAMS	75	33
CONTRACT NO. 72F26				
ILLINOIS FED. AID PROJECT				





SECTION 24, T. 1 S., R. 9 W., 4th P.M.



SECTION 19, T. 1 S., R. 8 W., 4th P.M.



LEGEND

-  - STRUCTURE REMOVAL
-  - CURB, GUTTER, SHOULDER REMOVAL
-  - PAVEMENT, DRIVEWAY REMOVAL
-  - TREE REMOVAL



USER NAME =	DESIGNED -	REVISED -
	CHECKED -	REVISED -
PLOT SCALE =	DRAWN -	REVISED -
PLOT DATE =	CHECKED -	REVISED -

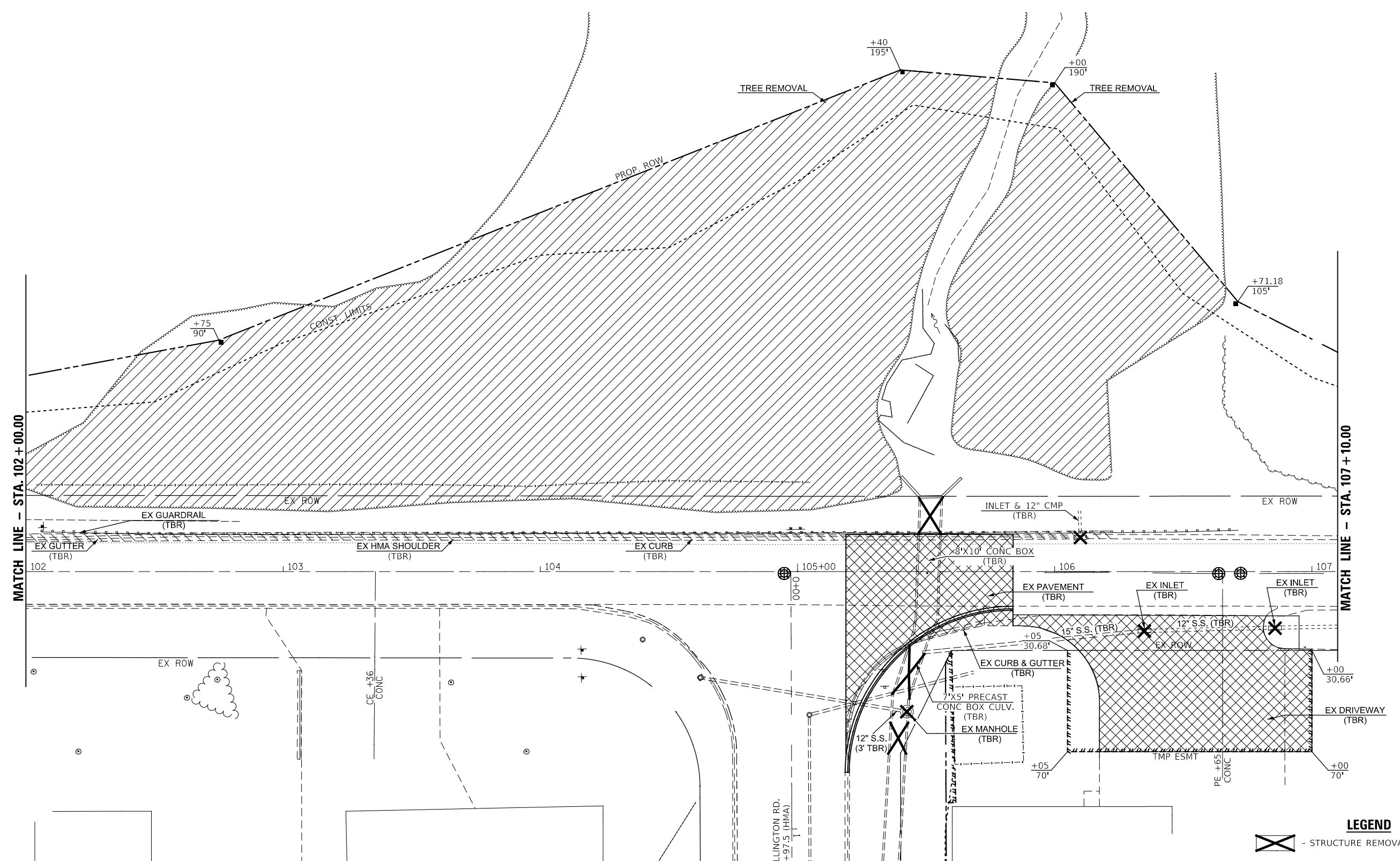
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL PLAN
(IL 96)

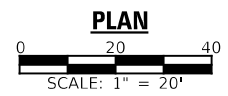
SCALE: 1" = 20' SHEET NO. 1 OF 3 SHEETS STA. 97+00.00 TO STA. 102+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7825	(K-15)DC	ADAMS	75	34
CONTRACT NO. 72F26				
ILLINOIS FED. AID PROJECT				

SECTION 24, T. 1 S., R. 9 W., 4th P.M.



SECTION 19, T. 1 S., R. 8 W., 4th P.M.



LEGEND

	- STRUCTURE REMOVAL
	- CURB, GUTTER, SHOULDER REMOVAL
	- PAVEMENT, DRIVEWAY REMOVAL
	- TREE REMOVAL

VK VEENSTRA & KIMM INC.
 Springfield, IL. Phone: (217)544-8033
 IL. Design Firm No. 184-001939

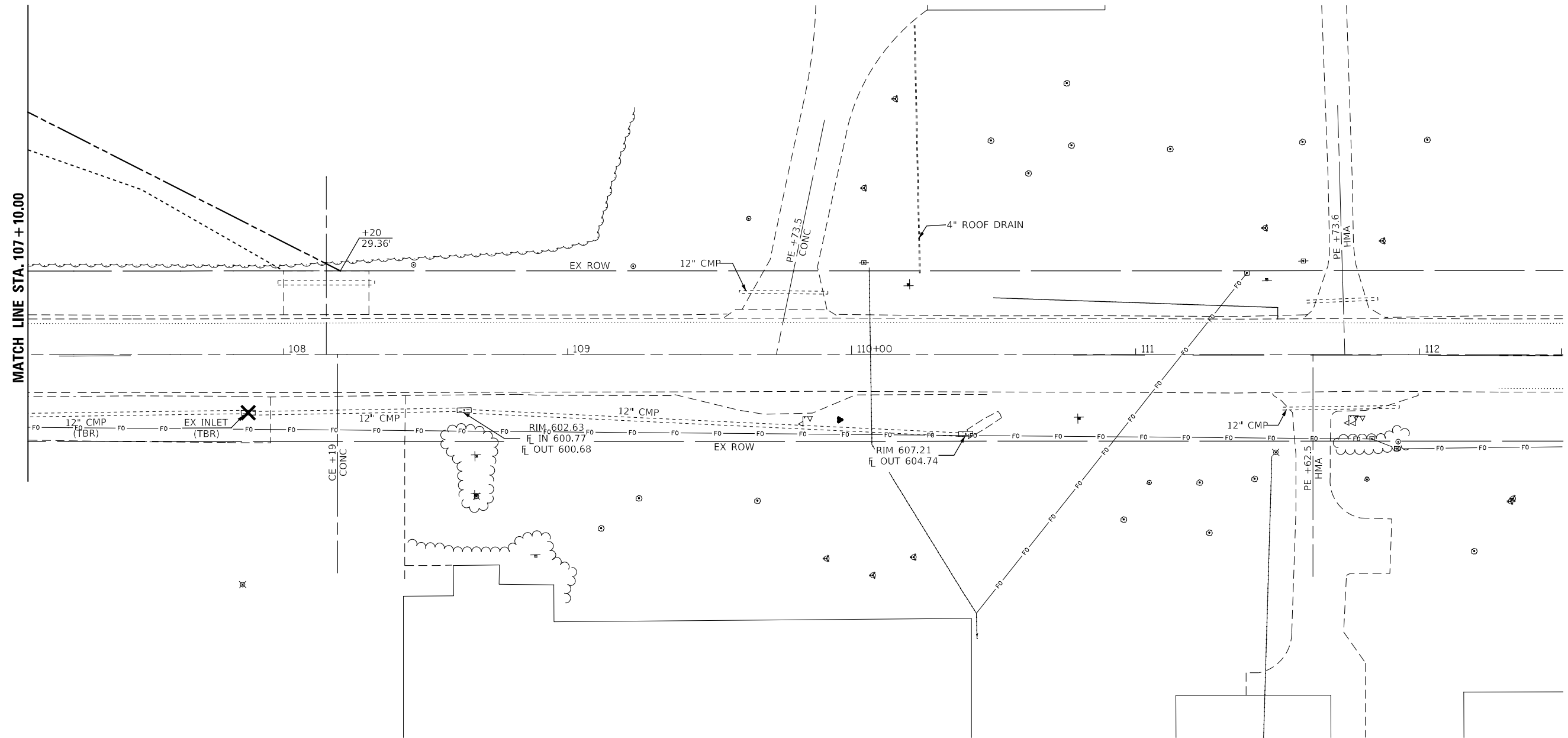
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CHECKED -	REVISED -	
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

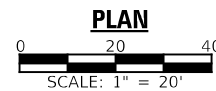
**REMOVAL PLAN
 (IL 96)**
 SCALE: 1" = 20' SHEET NO. 2 OF 3 SHEETS STA. 97+00.00 TO STA. 102+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7825	(K-15)DC	ADAMS	75	35
CONTRACT NO. 72F26				
<small>ILLINOIS FED. AID PROJECT</small>				

SECTION 23, T. 1 S., R. 9 W., 4th P.M.



SECTION 18, T. 1 S., R. 8 W., 4th P.M.



LEGEND

- STRUCTURE REMOVAL
- CURB, GUTTER, SHOULDER REMOVAL
- PAVEMENT, DRIVEWAY REMOVAL
- TREE REMOVAL

VK VEENSTRA & KIMM INC.
 Springfield, IL. Phone: (217)544-8033
 IL. Design Firm No. 184-001939

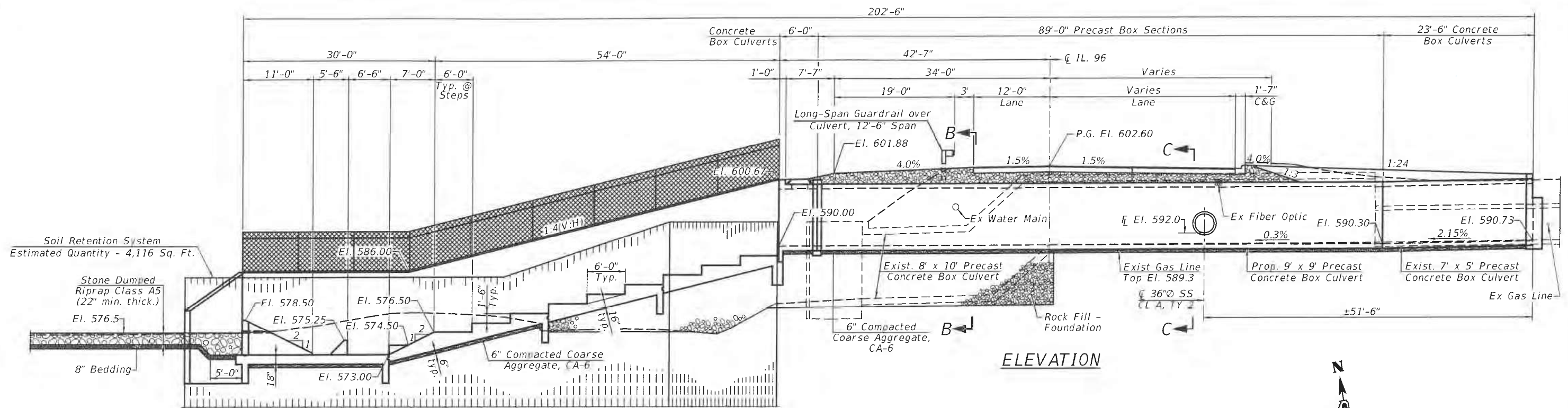
USER NAME =	DESIGNED -	REVISED -
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PLOT DATE =	CHECKED -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

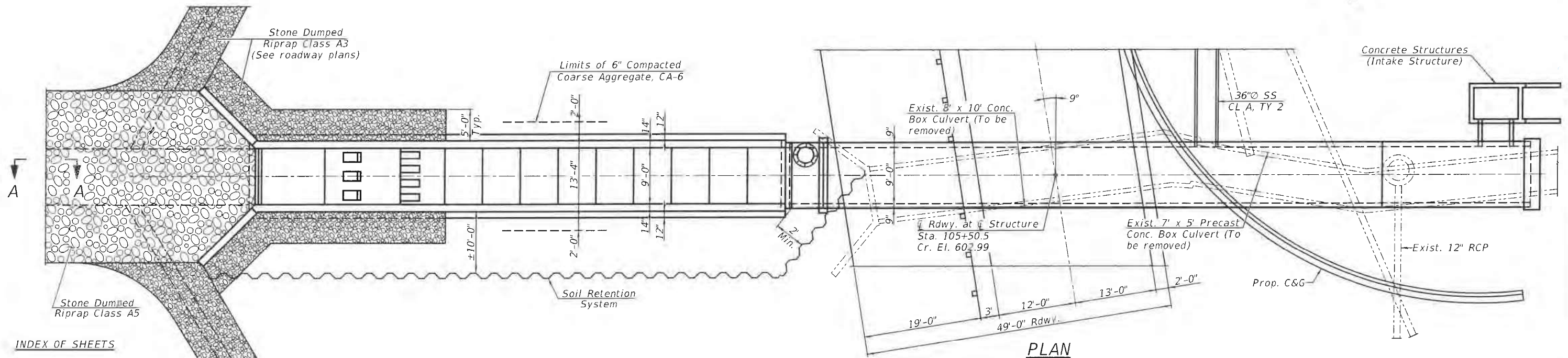
**REMOVAL PLAN
 (IL 96)**

SCALE: 1" = 20' SHEET NO. 3 OF 3 SHEETS STA. 107+00.00 TO STA. 112+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7825	(K-15)DC	ADAMS	75	36
CONTRACT NO. 72F26				
ILLINOIS FED. AID PROJECT				



ELEVATION

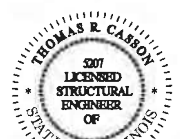


PLAN

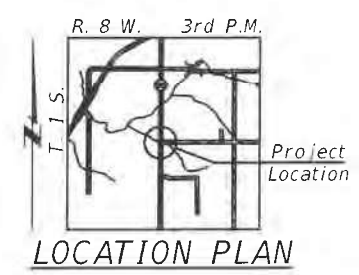
INDEX OF SHEETS

1. General; Plan & Elevation
2. General Data
3. Spillway Profile
4. Stilling Basin
5. Stilling Basin Sections
6. Chute Section 1
7. Chute Section 2
8. Chute Section 3
9. Stilling Basin & Spillway Bar Bend Details
10. Cast-In-Place Box Culvert Section (West End)
11. Precast Concrete Box Culvert Section
12. Cast-In-Place Box Culvert Section (East End)
13. Culvert Connection Collar Details
14. Cast-In-Place Intake Structure
15. Traversable Pipe Grate Details
16. Chainlink Fence Details
17. Boring Logs

APPROVED
For Structural Adequacy Only
Jan F. [Signature]
Engineer of Bridges & Structures



Thomas R. Cardon
8-18-22
Expiration Date 11/30/2022



LOCATION PLAN

See Sheet 2 of 17 for Sections A-A, B-B and C-C.

GENERAL PLAN & ELEVATION
IL. 96 OVER HOMAN CREEK TRIBUTARY
F.A.U. ROUTE 7825 - SECTION 1C
ADAMS COUNTY
STA. 105+50.50
STRUCTURE NO. 001-7131

 VEENSTRA & KIMM INC. Springfield, IL. Phone: (217)544-8033 IL. Design Firm No. 184-001939	USER NAME =	DESIGNED - KES	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL PLAN & ELEVATION STRUCTURE NO. 001-7131 SHEET NO. 1 OF 17 SHEETS	F.A.U. RTE. 7825	SECTION (K-15D)C	COUNTY ADAMS	TOTAL SHEETS 75	SHEET NO. 37
	PLOT SCALE =	DRAWN - JRP	REVISED -			CONTRACT NO. T2F26	ILLINOIS FED. AID PROJECT			

TOTAL BILL OF MATERIAL

Item	Unit	Total
Stone Dumped Riprap, Class A5	Ton	94
Filter Fabric	Sq. Yd.	102
Removal of Existing Structures No. 1	Each	1
Removal of Existing Structures No. 2	Each	1
Structure Excavation	Cu. Yd.	766
Concrete Structures	Cu. Yd.	204.6
Reinforcement Bars, Epoxy Coated	Pound	36,750
Name Plates	Each	1
Concrete Box Culverts	Cu. Yd.	44.2
Precast Concrete Box Culverts 9'x9'	Foot	89
Geocomposite Wall Drain	Sq. Yd.	163
Long-Span Guardrail Over Culvert, 12 Ft 6 In Span	Foot	37.5
Soil Retention System	L. Sum	1
Cast Iron Steps	Each	7
Membrane Waterproofing System for Buried Structures	Sq. Yd.	163
Traversable Pipe Grate, Special	Each	2
Frames and Lids, Special	Each	1
Chain Link Fence, 6' Attached To Structure	Foot	183
Granular Culvert Backfill	Cu. Yd.	106
Rock Fill - Foundation	Ton	597

WATERWAY INFORMATION

Drainage Area = 336 Sq. Mi.		Exist. Overtopping Elev. = 599.9 @ Sta. 107+10				
		Prop. Overtopping Elev. = 599.9 @ Sta. 107+10				
Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.	Nat. H.W.E.	Head - Ft.	Headwater El.
			Exist. Prop.		Exist. Prop.	Exist. Prop.
Design	10	237	23	20	593.0	0.1 0.1 593.1 593.1
Design	50	443	25	23	593.0	0.2 0.2 593.5 593.5
Base	100	499	21	19	592.8	0.1 0.1 592.9 592.9
Max. Calc.	500	739	36	36	594.7	0.0 0.0 594.7 594.7

10 Yr. Outlet Velocity through Exist. Structure = 2.8 ft/s
 10 Yr. Outlet Velocity through Prop. Structure = 3.2 ft/s

GENERAL NOTES

Reinforcement bars designated (E) shall be epoxy coated.
 Weep holes shall be provided on exterior culvert walls with a clear rise greater than 3 feet and one in each of the wingwalls. The weep holes shall be located within 1/3 of the clear rise of the box culvert and shall conform to the requirements of Article 503.11 of the Standard Specifications.
 Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
 At least 6'-0" of the stilling basin walls shall be poured monolithically with the wingwalls.
 Cost of 6" Compacted Coarse Aggregate, CA-6 Bedding included in Concrete Structures, Concrete Box Culverts, and Precast Concrete Box Culverts 9' x 9'.
 PVC Waterstop, 6" shall be installed on spillway structure at locations shown in the plans. Estimate 332 foot. See Special Provisions.

LOADING HL-93

Allow 50#/sq. ft. for future wearing surface

DESIGN SPECIFICATIONS

2020 AASHTO LRFD Bridge Design Specifications, 9th Edition

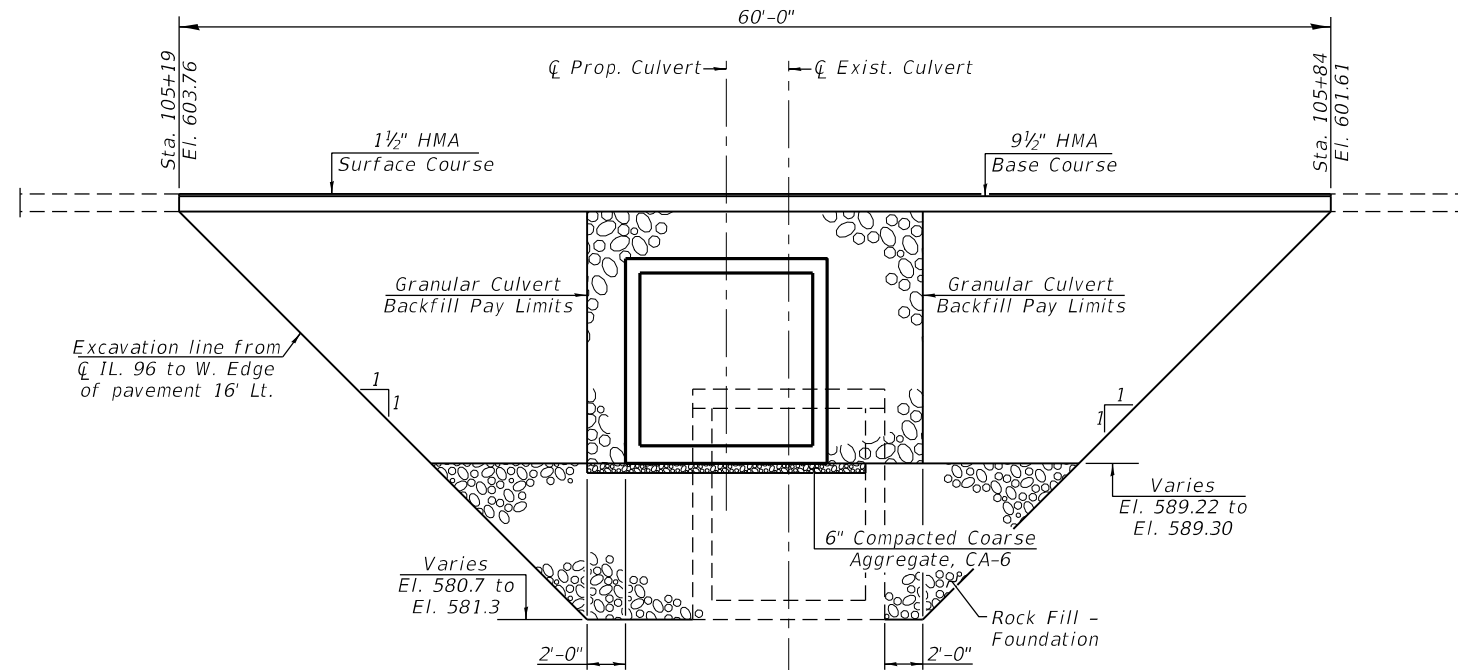
DESIGN STRESSES

PRECAST UNITS

f'c = 5,000 psi
 fy = 65,000 psi (Welded Wire Fabric)
 fy = 60,000 psi (Reinforcement)

FIELD UNITS

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

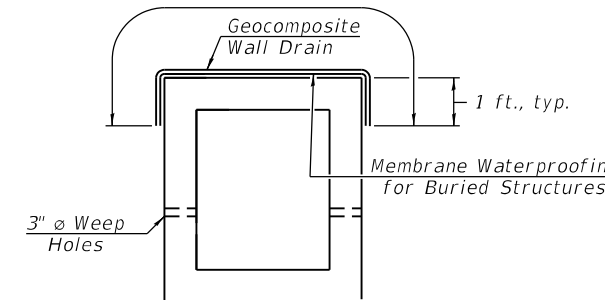


PROFILE GRADE
 (Along CL Rte. 96)

STATION 105+50.50
 BUILT 202_ BY
 STATE OF ILLINOIS
 F.A.U. RT. 7825 SEC. 1C
 LOADING HL-93
 STRUCTURE NO. 001-7131

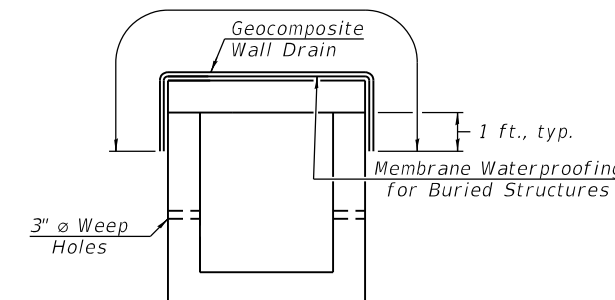
NAME PLATE
 Std. 515001

Pay Limits for Membrane Waterproofing System for Buried Structures and Geocomposite Wall Drain

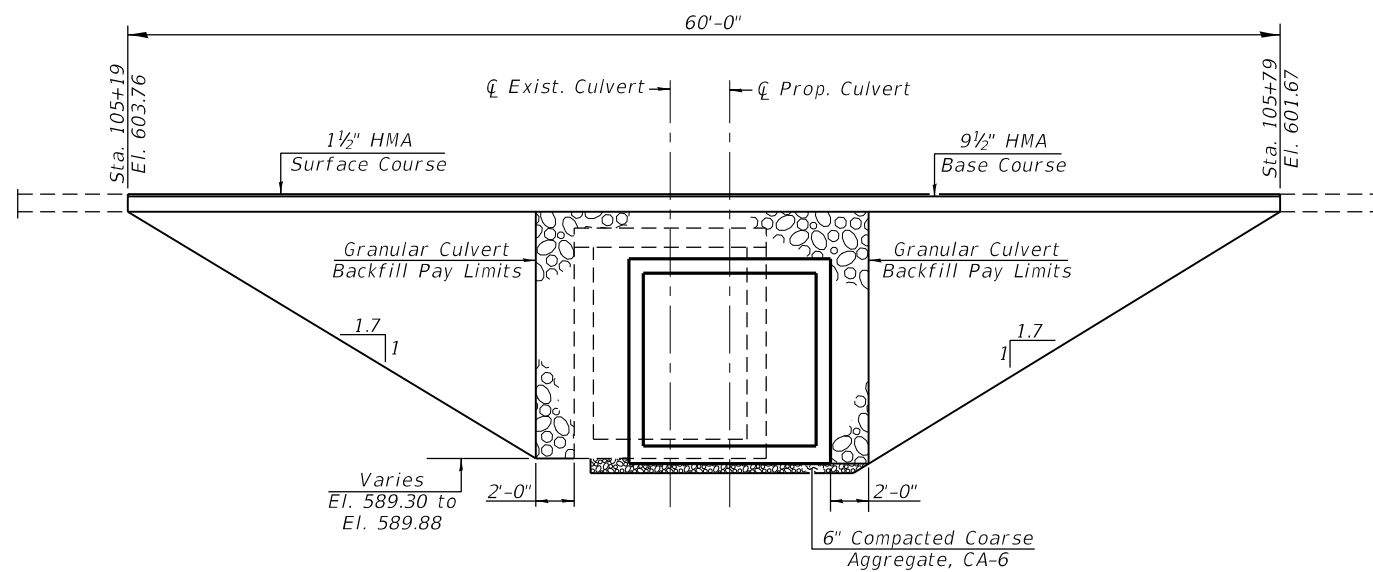


WATERPROOFING MEMBRANE DETAIL
 (Showing Precast Section)

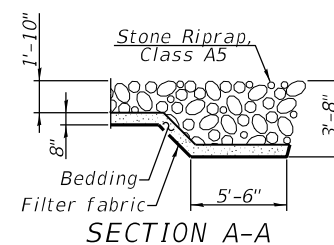
Pay Limits for Membrane Waterproofing System for Buried Structures and Geocomposite Wall Drain



WATERPROOFING MEMBRANE DETAIL
 (Showing Cast-In-Place Section)



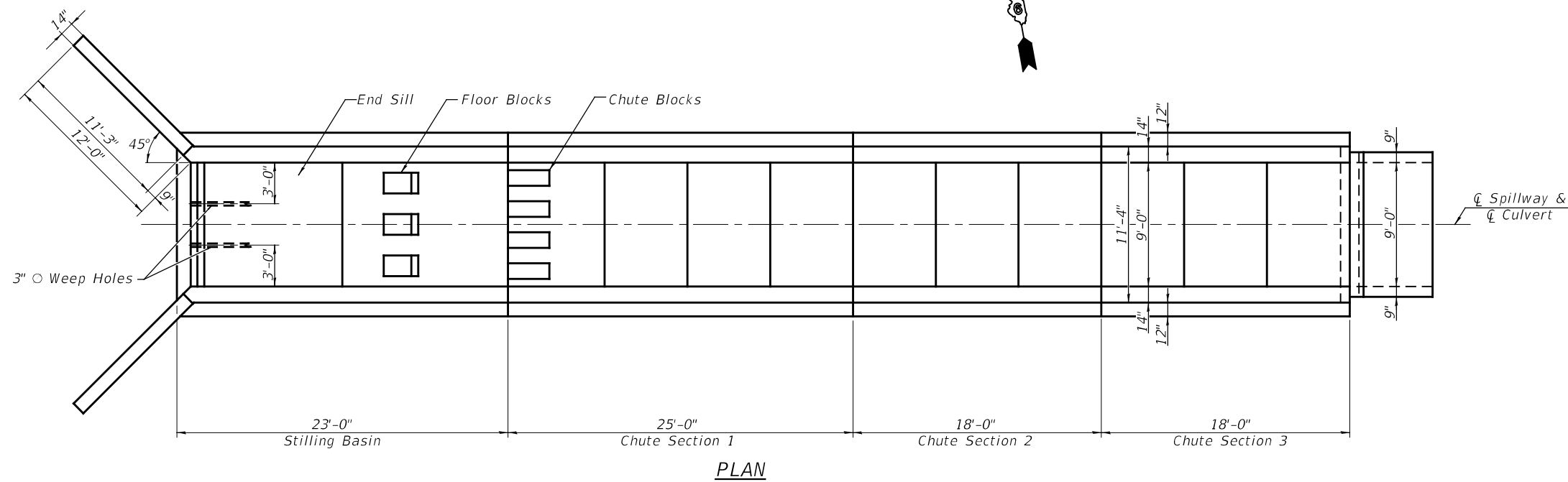
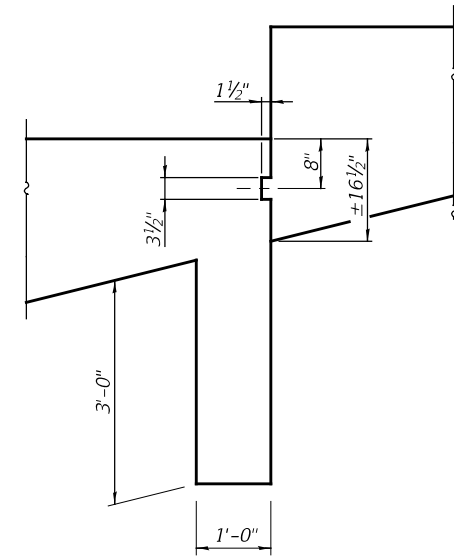
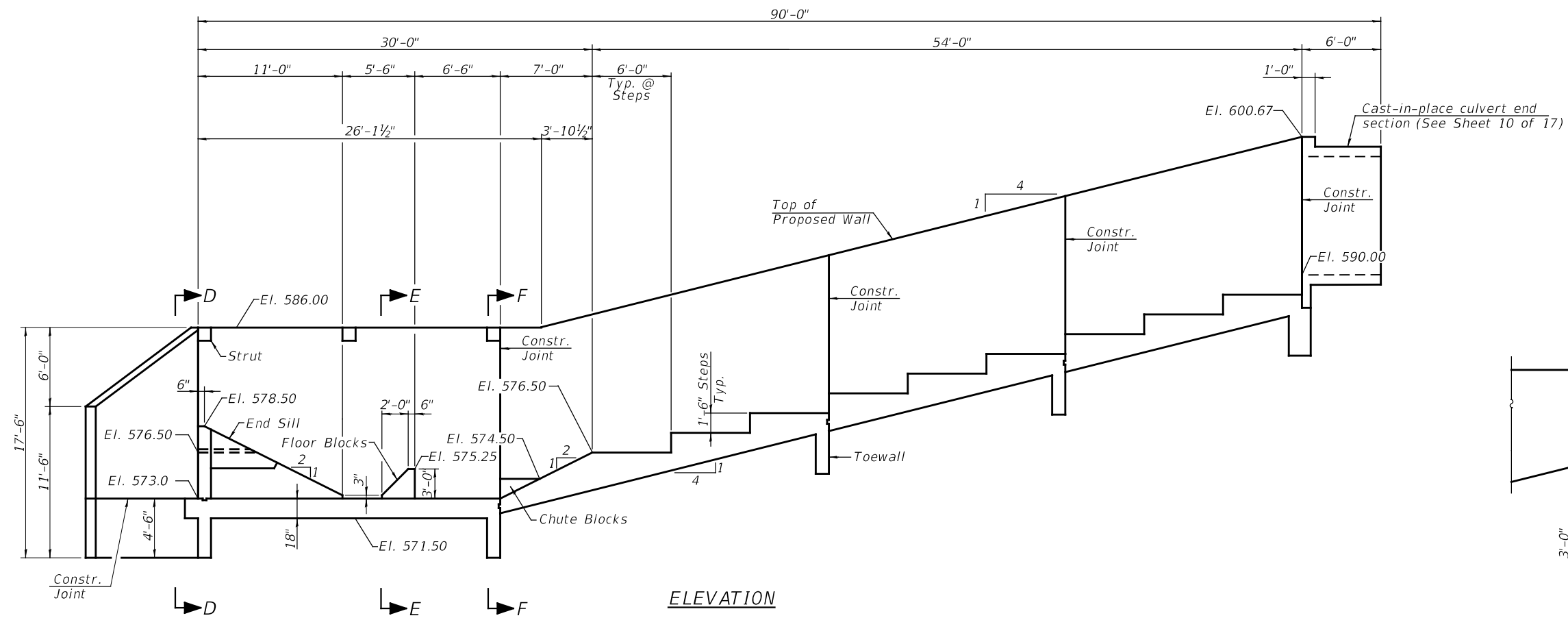
SECTION C-C



SECTION A-A

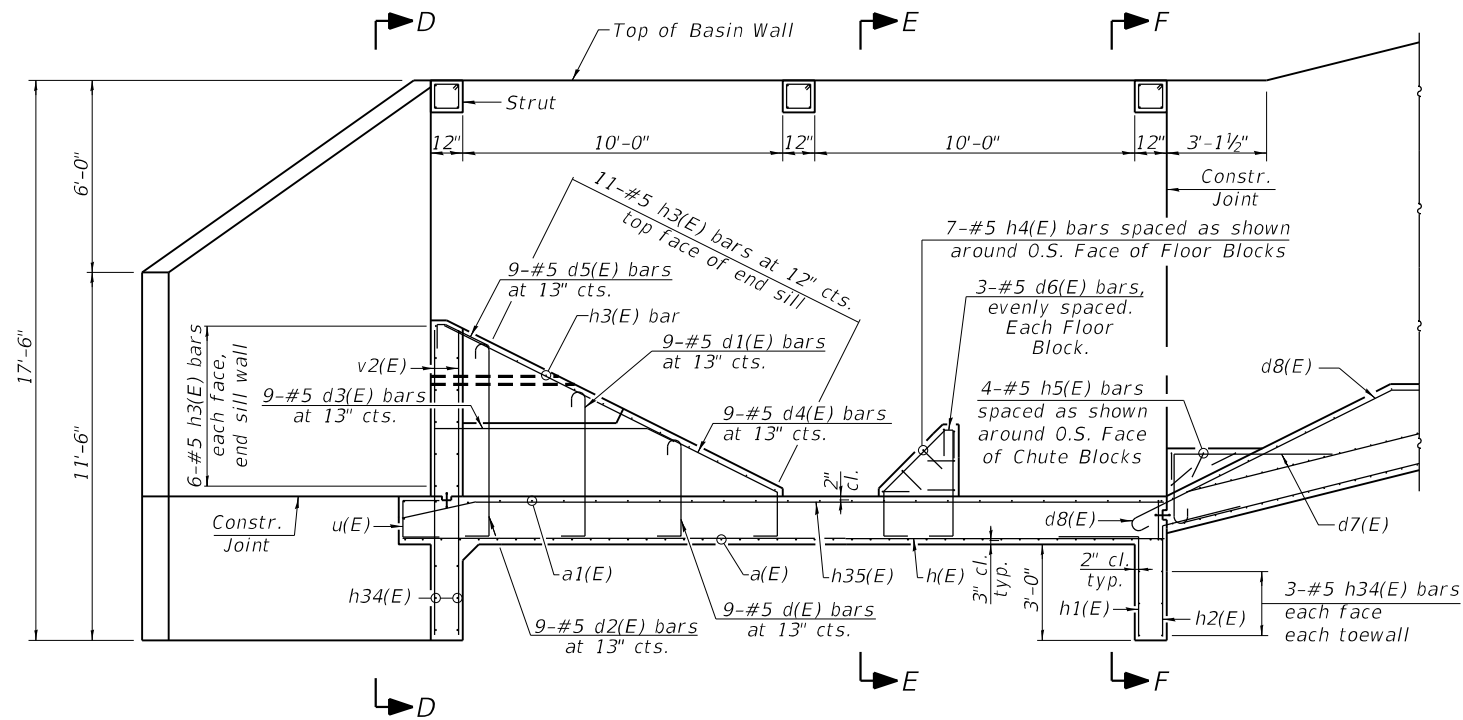
USER NAME =	DESIGNED - KES	REVISED -
CHECKED - TRC	CHECKED - TRC	REVISED -
PLOT SCALE =	DRAWN - JRP	REVISED -
PLOT DATE =	CHECKED -	REVISED - 9-20-2022

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7825	IK-15DC	ADAMS	75	38
CONTRACT NO. 72F26				
ILLINOIS FED. AID PROJECT				



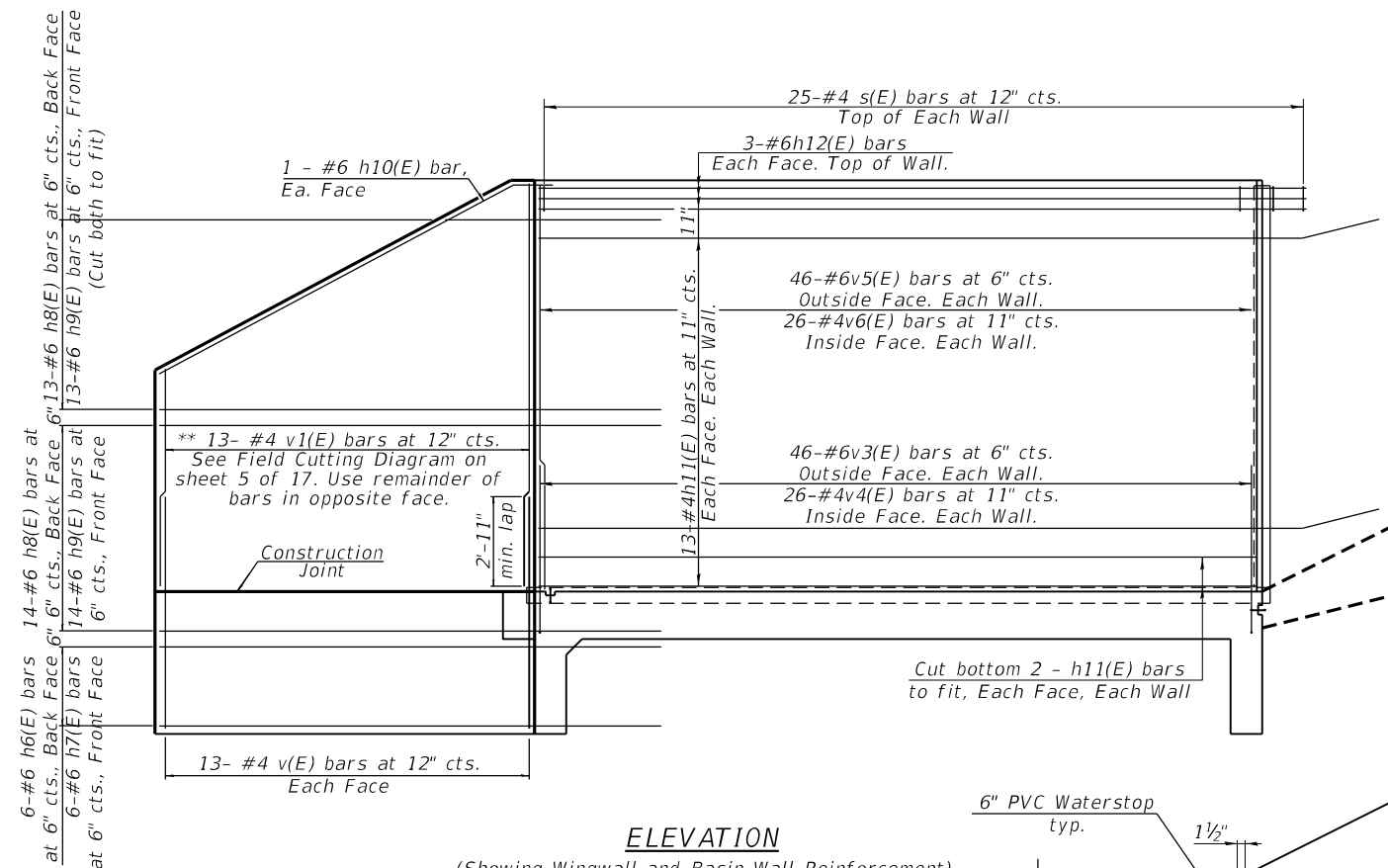
See Sheet 5 of 17 for Sections D-D, E-E and F-F.

Wingwalls and Struts shall be poured monolithically with Stilling Basin Walls.



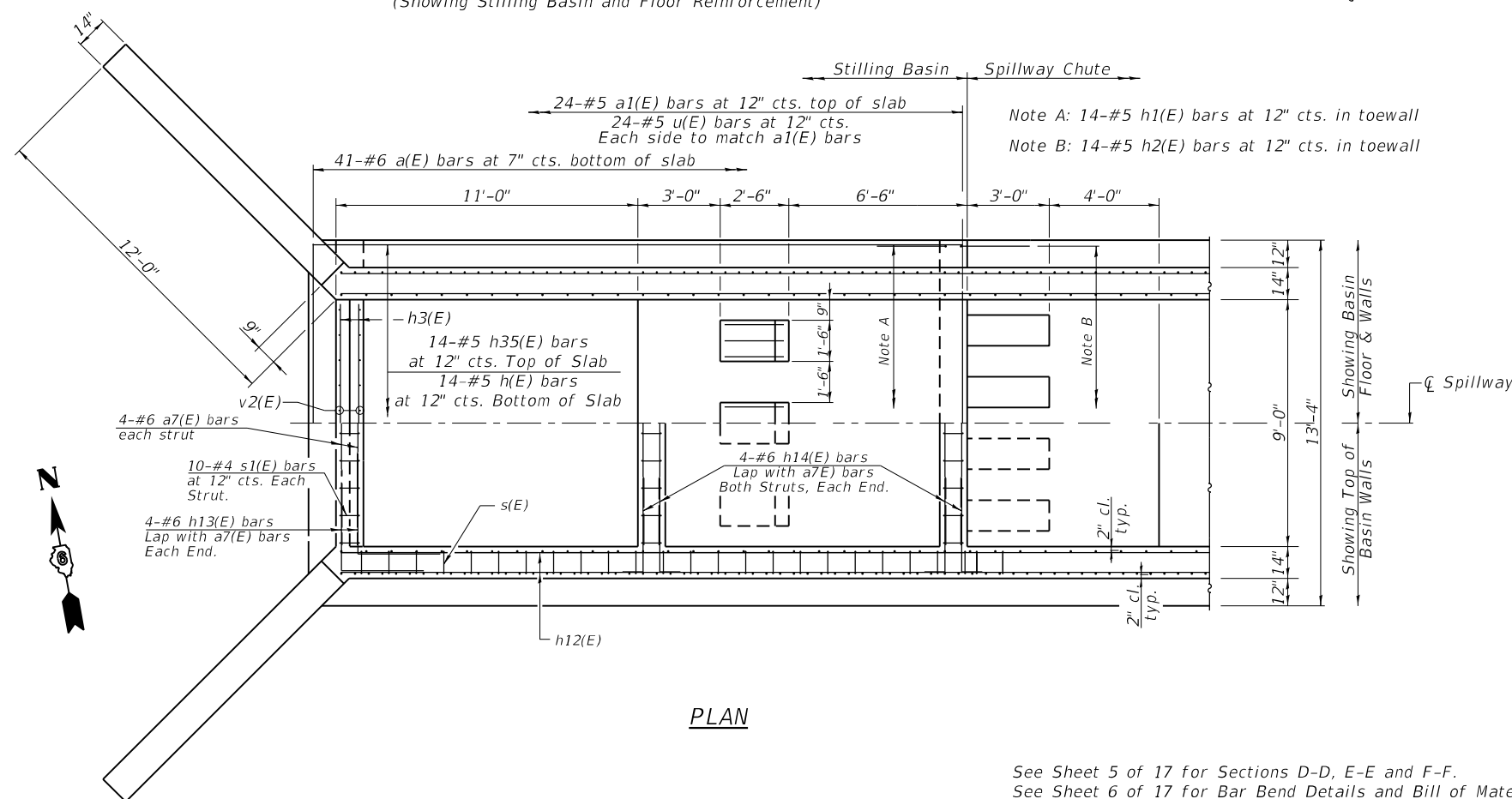
ELEVATION

(Showing Stilling Basin and Floor Reinforcement)

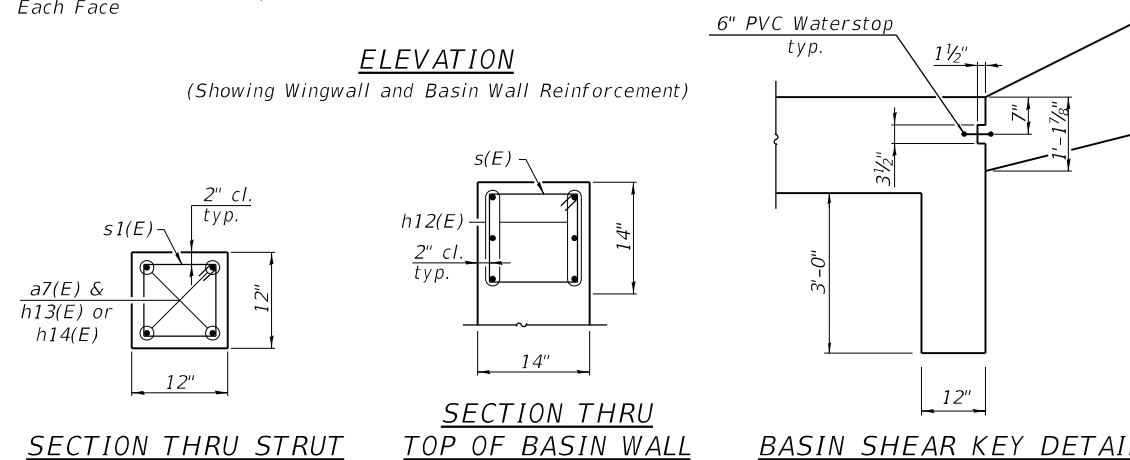


ELEVATION

(Showing Wingwall and Basin Wall Reinforcement)



PLAN



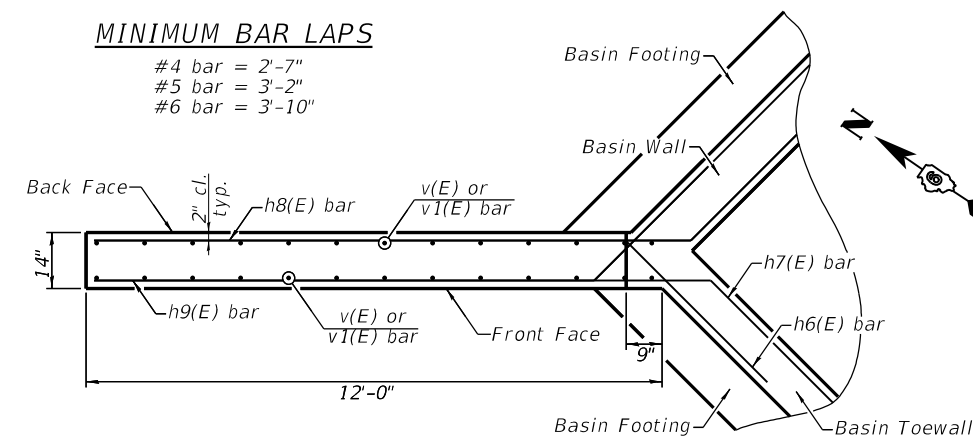
SECTION THRU STRUT

SECTION THRU TOP OF BASIN WALL

BASIN SHEAR KEY DETAIL

MINIMUM BAR LAPS

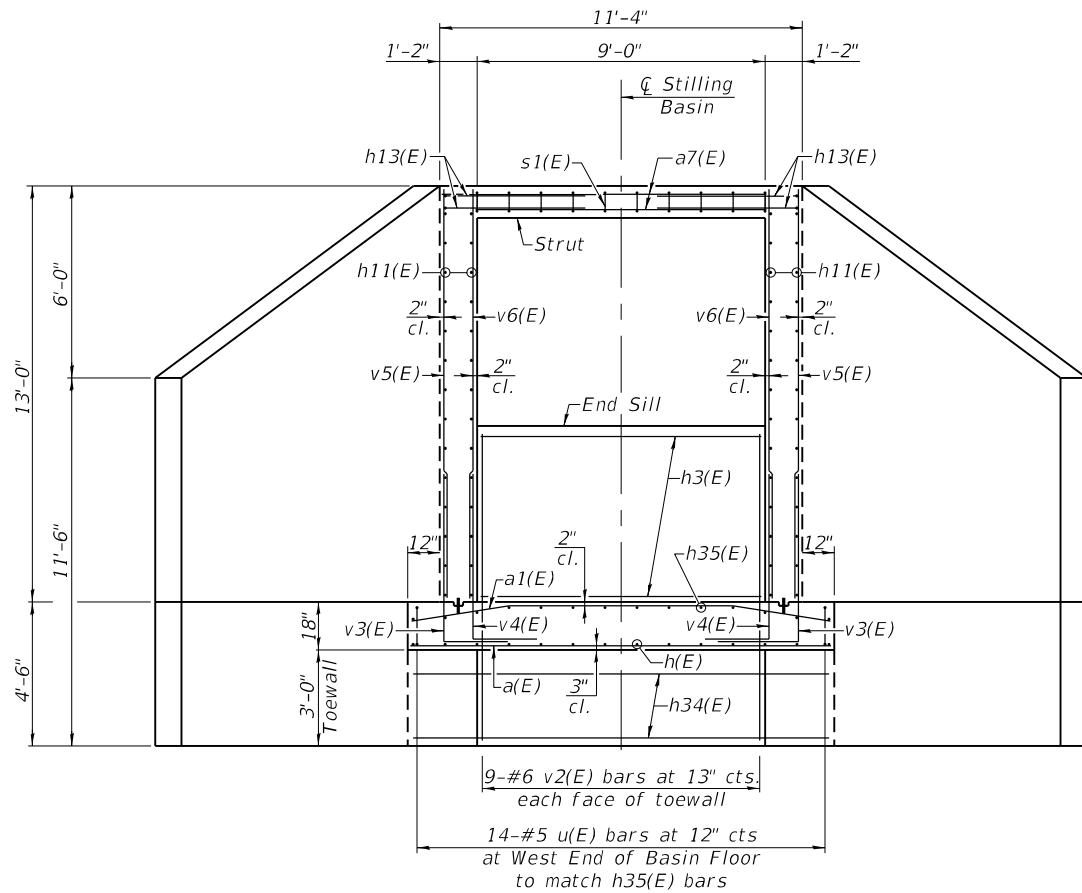
- #4 bar = 2'-7"
- #5 bar = 3'-2"
- #6 bar = 3'-10"



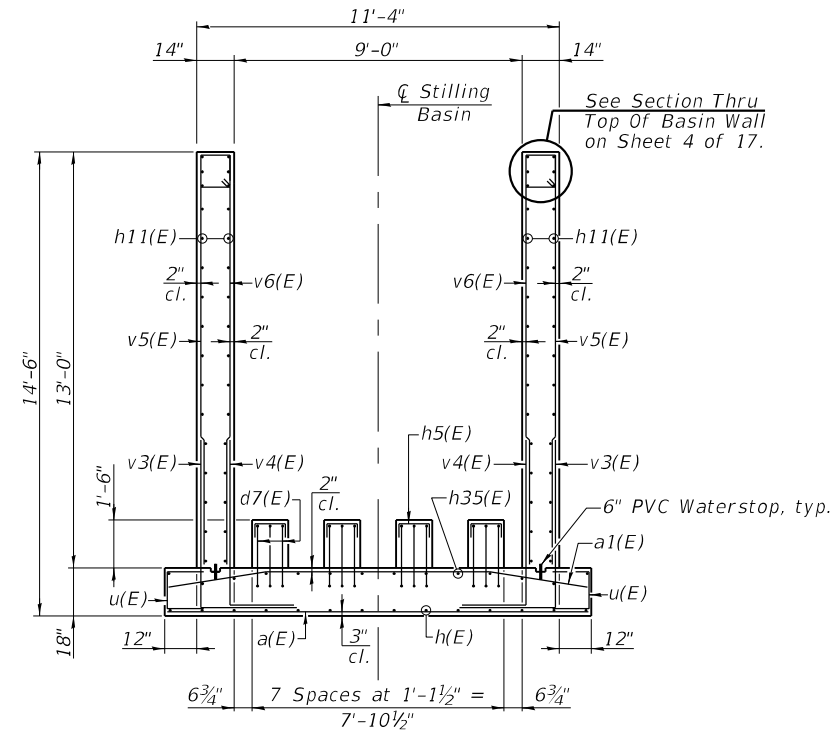
WINGWALL PLAN

(Showing Reinforcement)

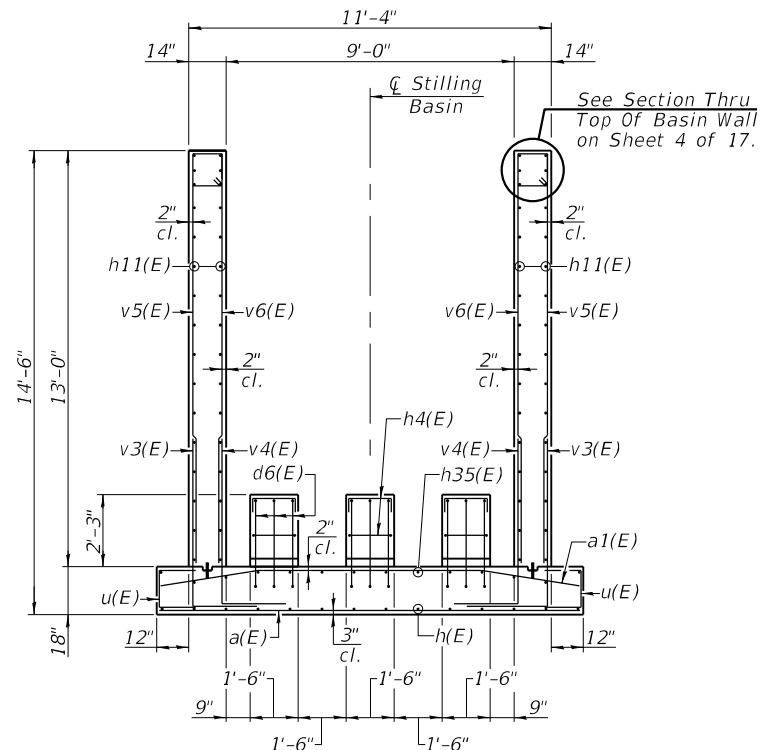
See Sheet 5 of 17 for Sections D-D, E-E and F-F.
See Sheet 6 of 17 for Bar Bend Details and Bill of Material.



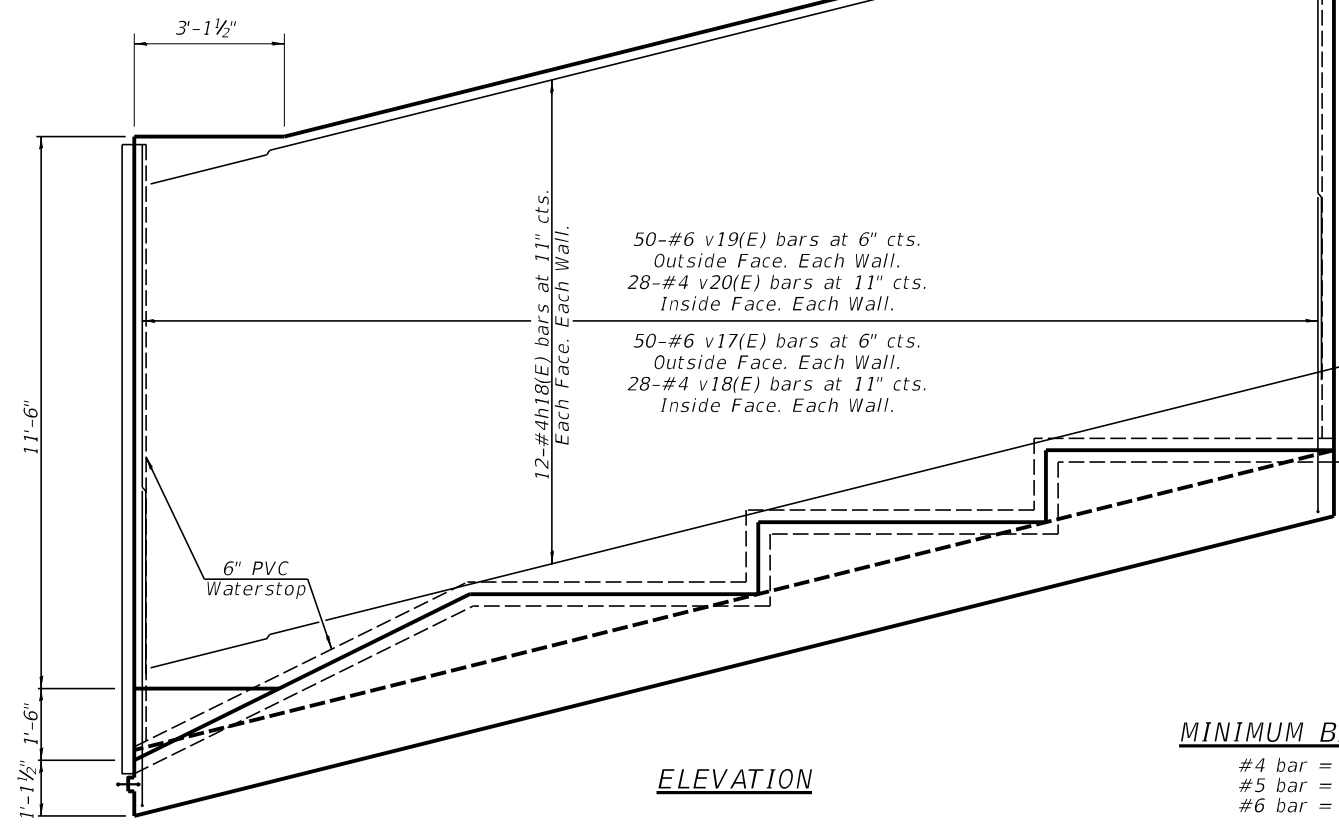
SECTION D-D
(Showing Strut, End Sill & Toewall)



SECTION F-F
(Showing Chute Blocks)



SECTION E-E
(Showing Floor Blocks)



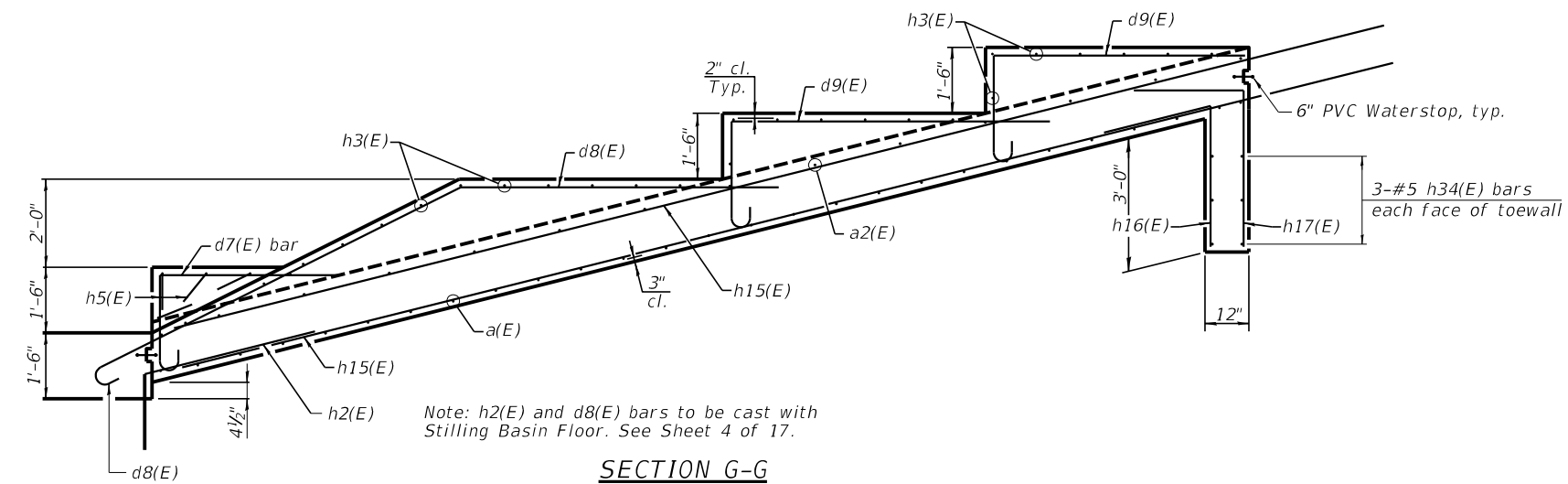
ELEVATION

50-#6 v19(E) bars at 6" cts.
Outside Face. Each Wall.
28-#4 v20(E) bars at 11" cts.
Inside Face. Each Wall.

50-#6 v17(E) bars at 6" cts.
Outside Face. Each Wall.
28-#4 v18(E) bars at 11" cts.
Inside Face. Each Wall.

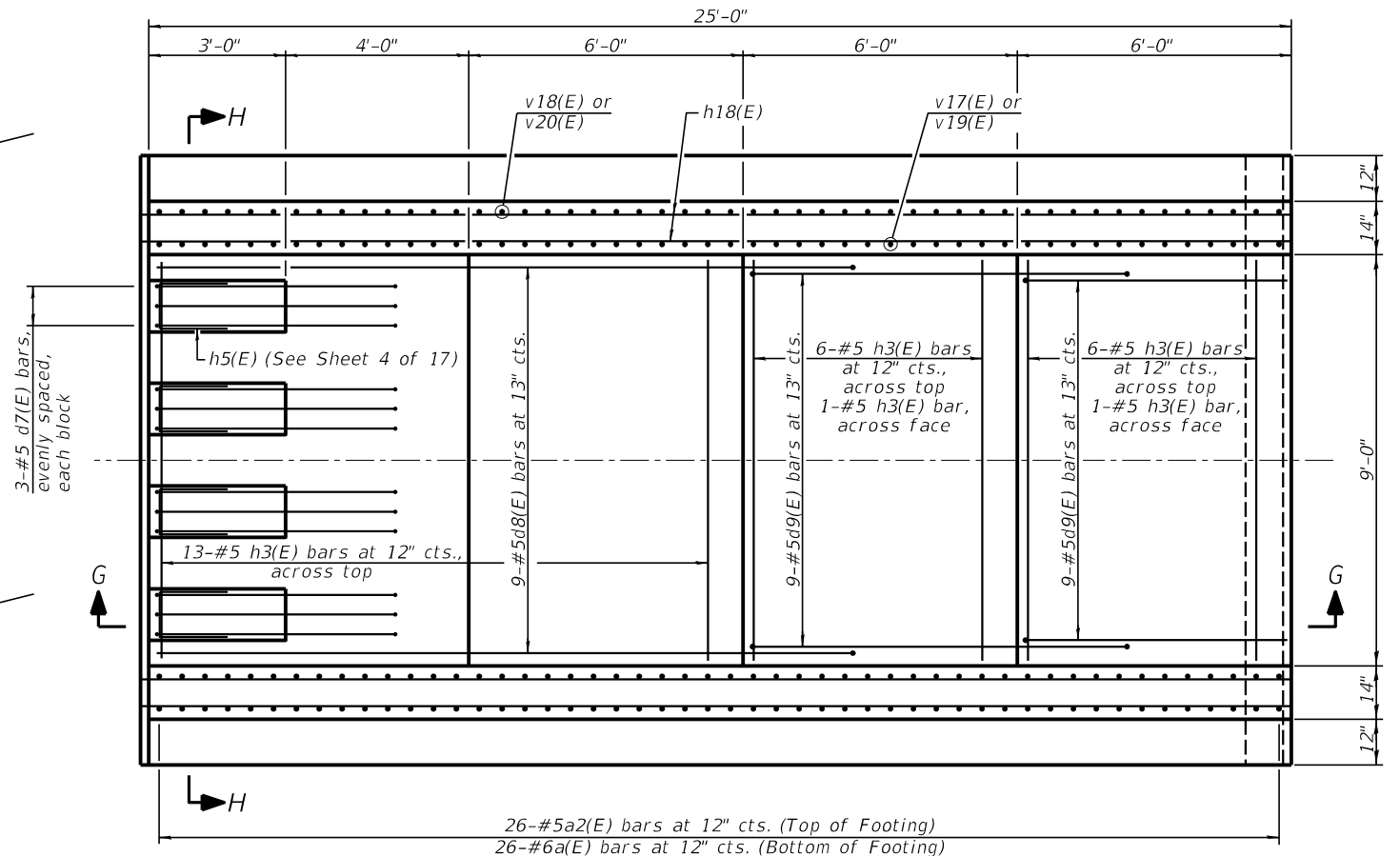
MINIMUM BAR LAPS

- #4 bar = 2'-7"
- #5 bar = 3'-2"
- #6 bar = 3'-10"



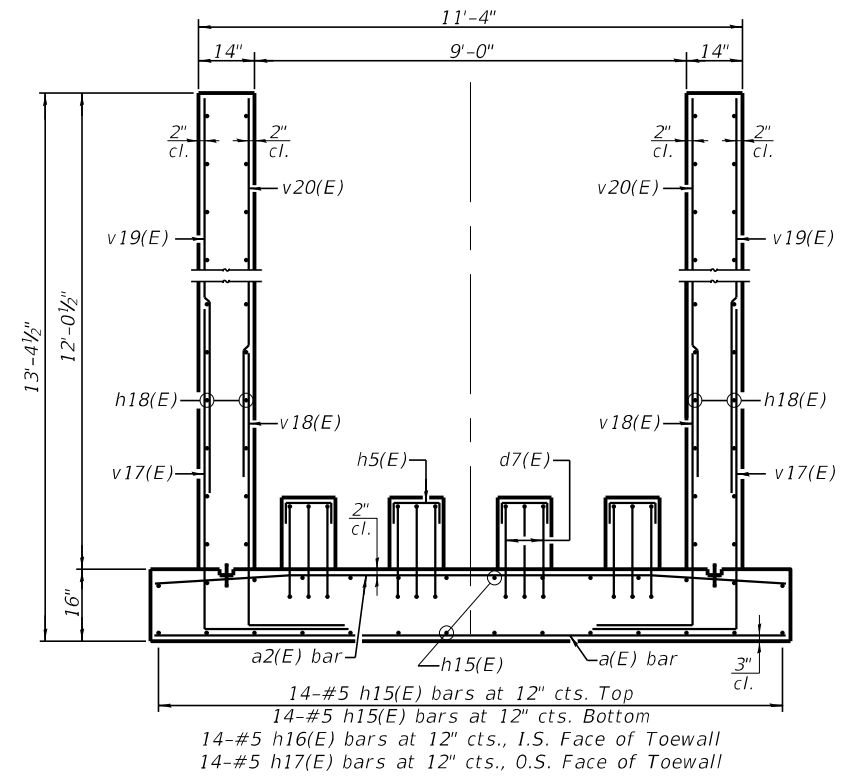
SECTION G-G

Note: h2(E) and d8(E) bars to be cast with Stilling Basin Floor. See Sheet 4 of 17.



PLAN

26-#5a2(E) bars at 12" cts. (Top of Footing)
26-#6a(E) bars at 12" cts. (Bottom of Footing)

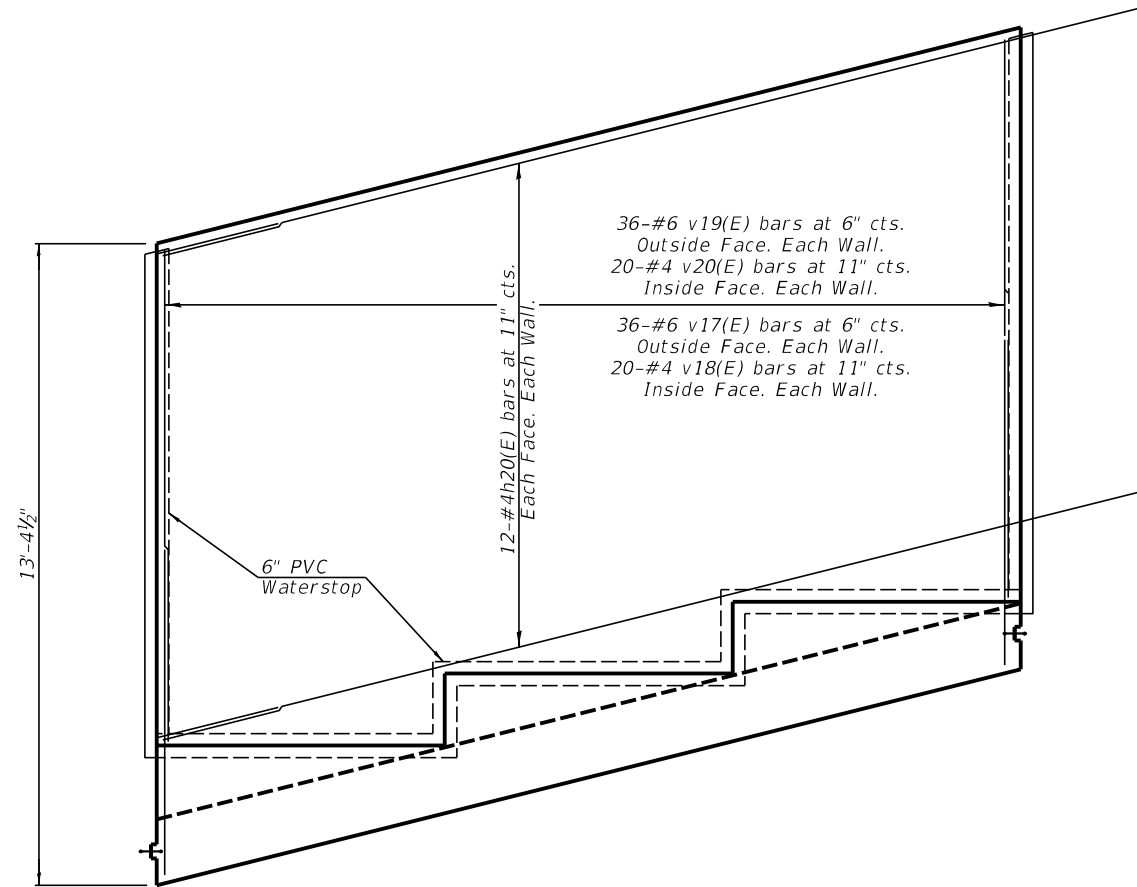


SECTION H-H

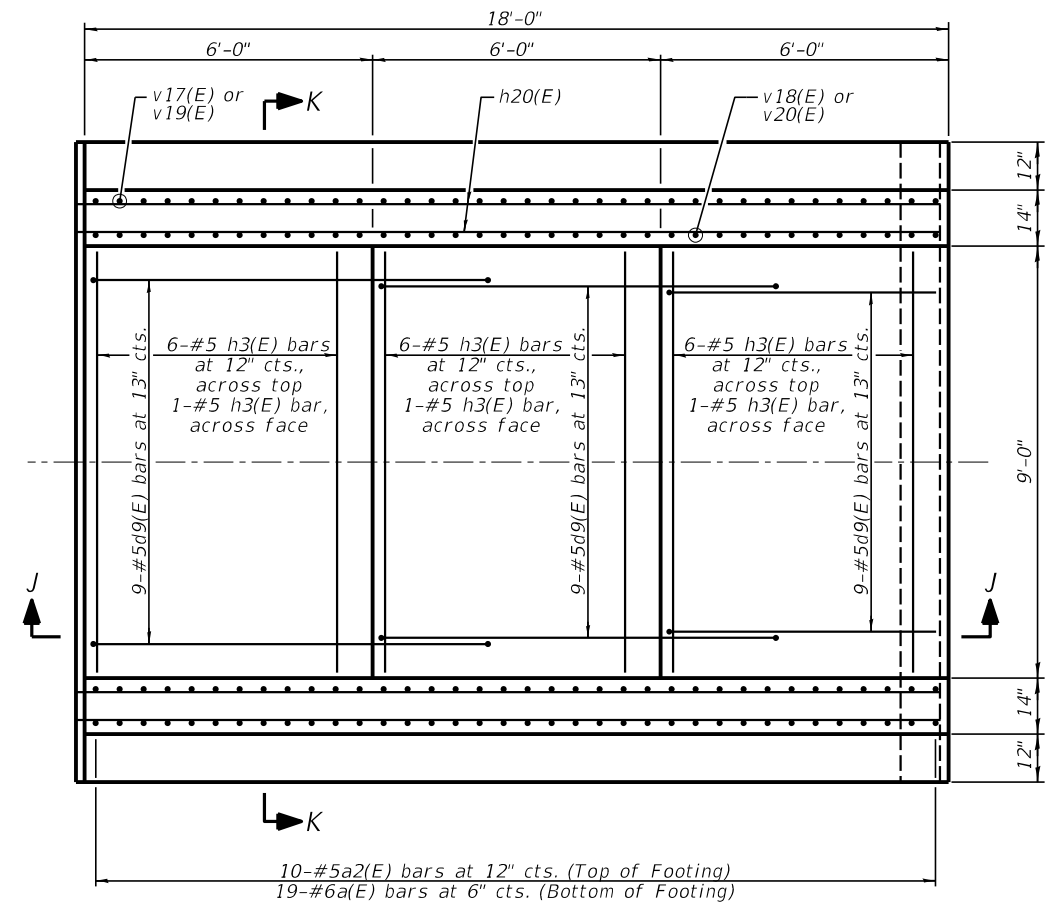
14-#5 h15(E) bars at 12" cts. Top
14-#5 h15(E) bars at 12" cts. Bottom
14-#5 h16(E) bars at 12" cts., I.S. Face of Toewall
14-#5 h17(E) bars at 12" cts., O.S. Face of Toewall

USER NAME =	DESIGNED - KES	REVISED -
PLOT SCALE =	CHECKED - TRC	REVISED -
PLOT DATE =	DRAWN - JRP	REVISED -
	CHECKED -	REVISED -

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7825	IK-15DC	ADAMS	75	42
CONTRACT NO. 72F26				



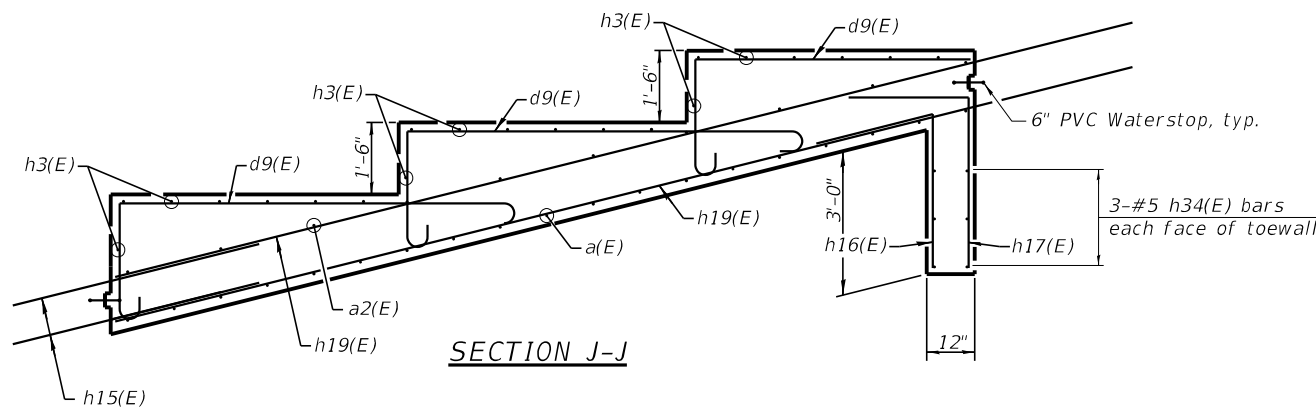
ELEVATION



PLAN

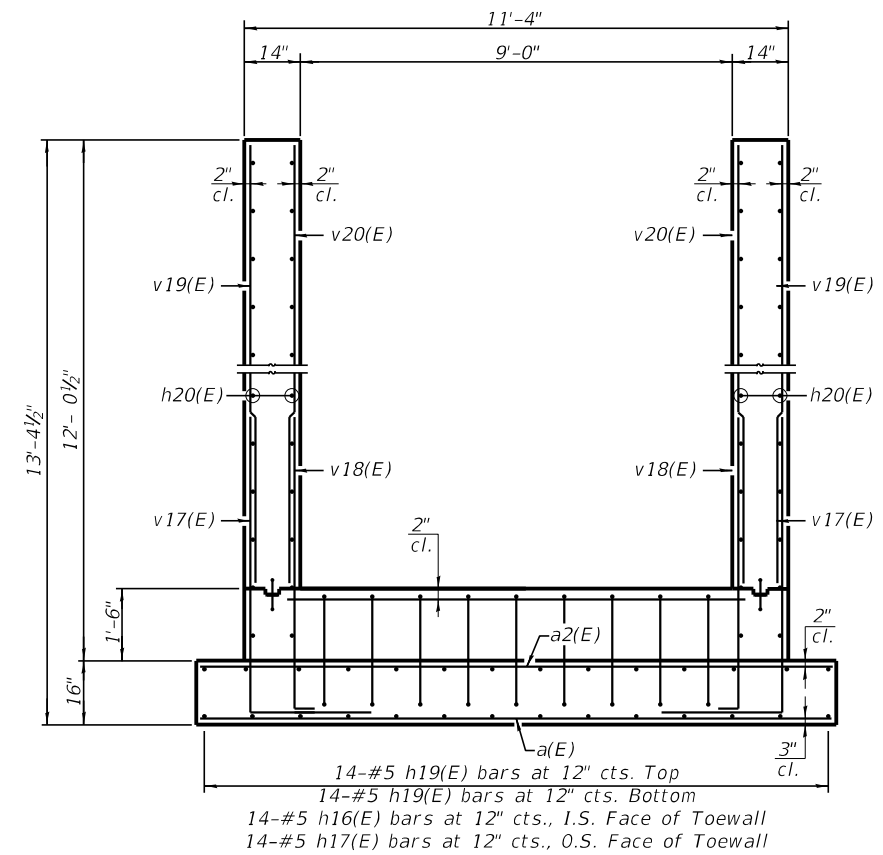
MINIMUM BAR LAPS

- #4 bar = 2'-7"
- #5 bar = 3'-2"
- #6 bar = 3'-10"

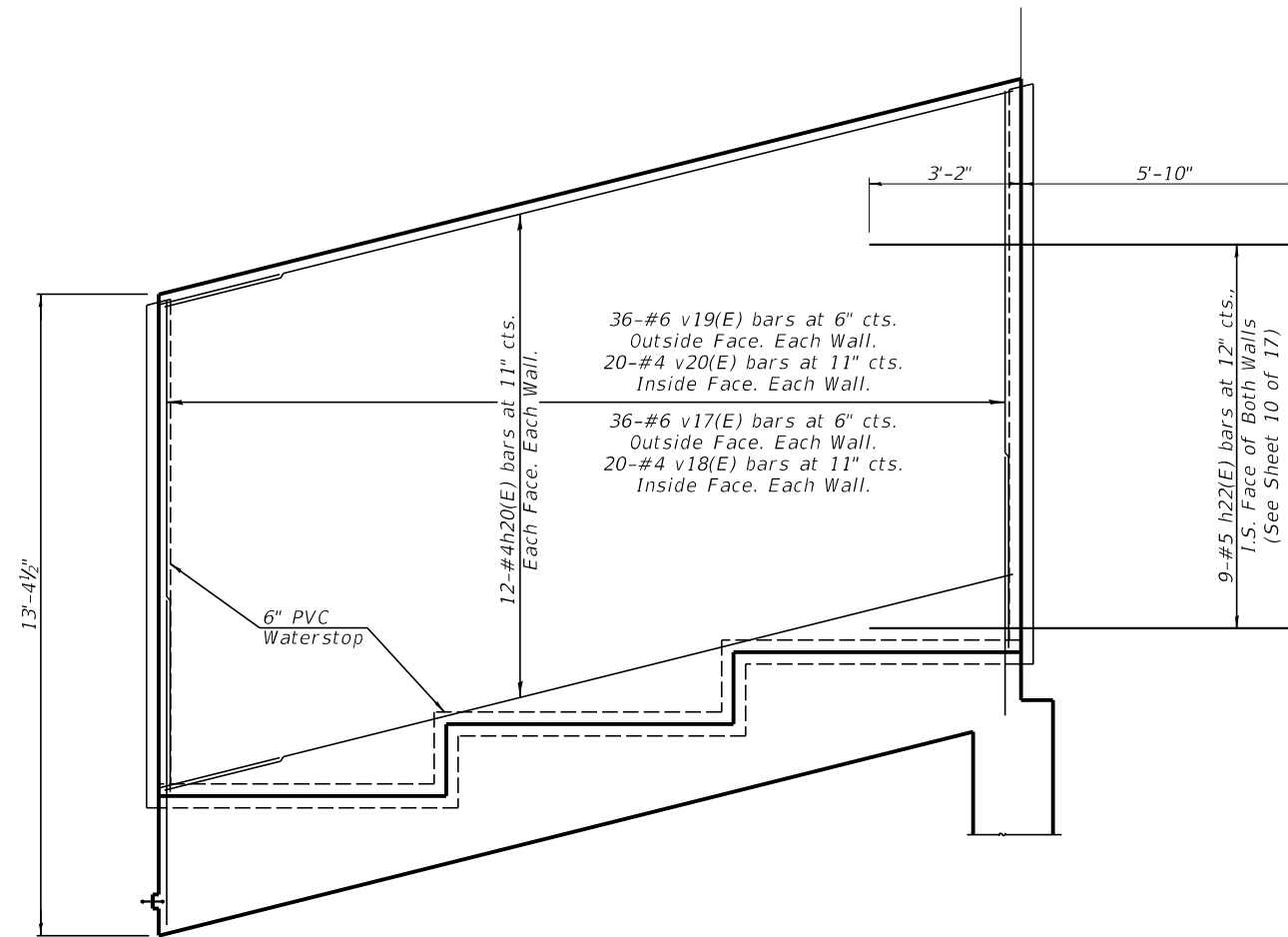


SECTION J-J

Note: h15(E) bars to be cast with Chute Section 1. See Sheet 6 of 17.



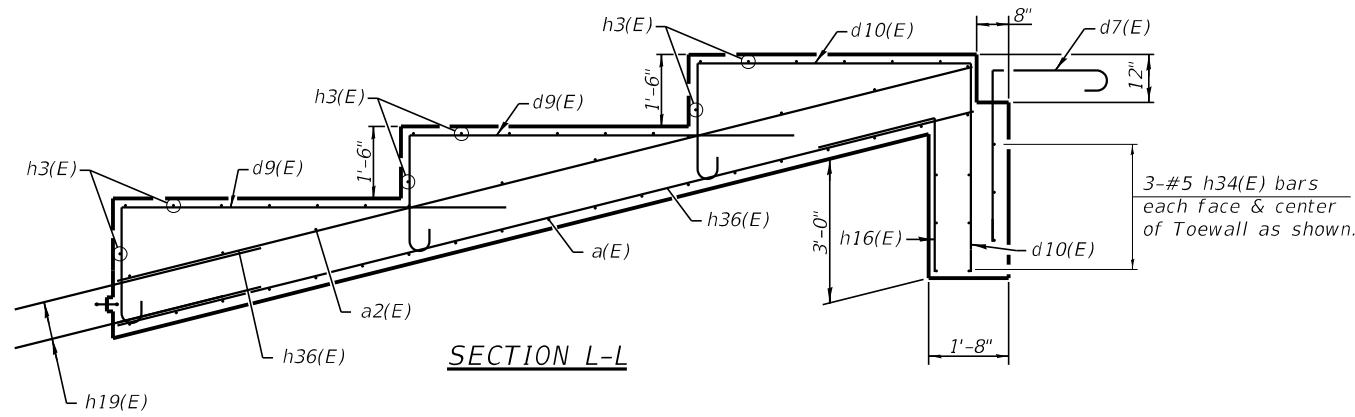
SECTION K-K



ELEVATION

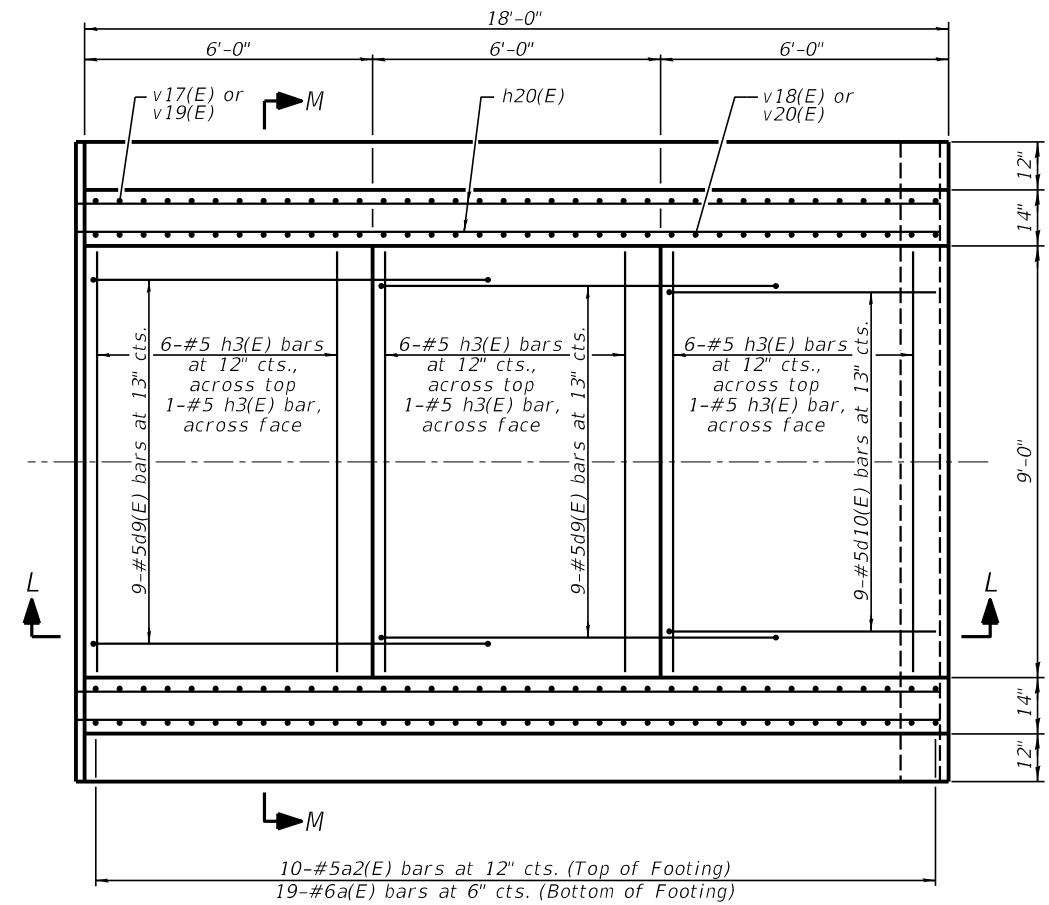
MINIMUM BAR LAPS

- #4 bar = 2'-7"
- #5 bar = 3'-2"
- #6 bar = 3'-10"

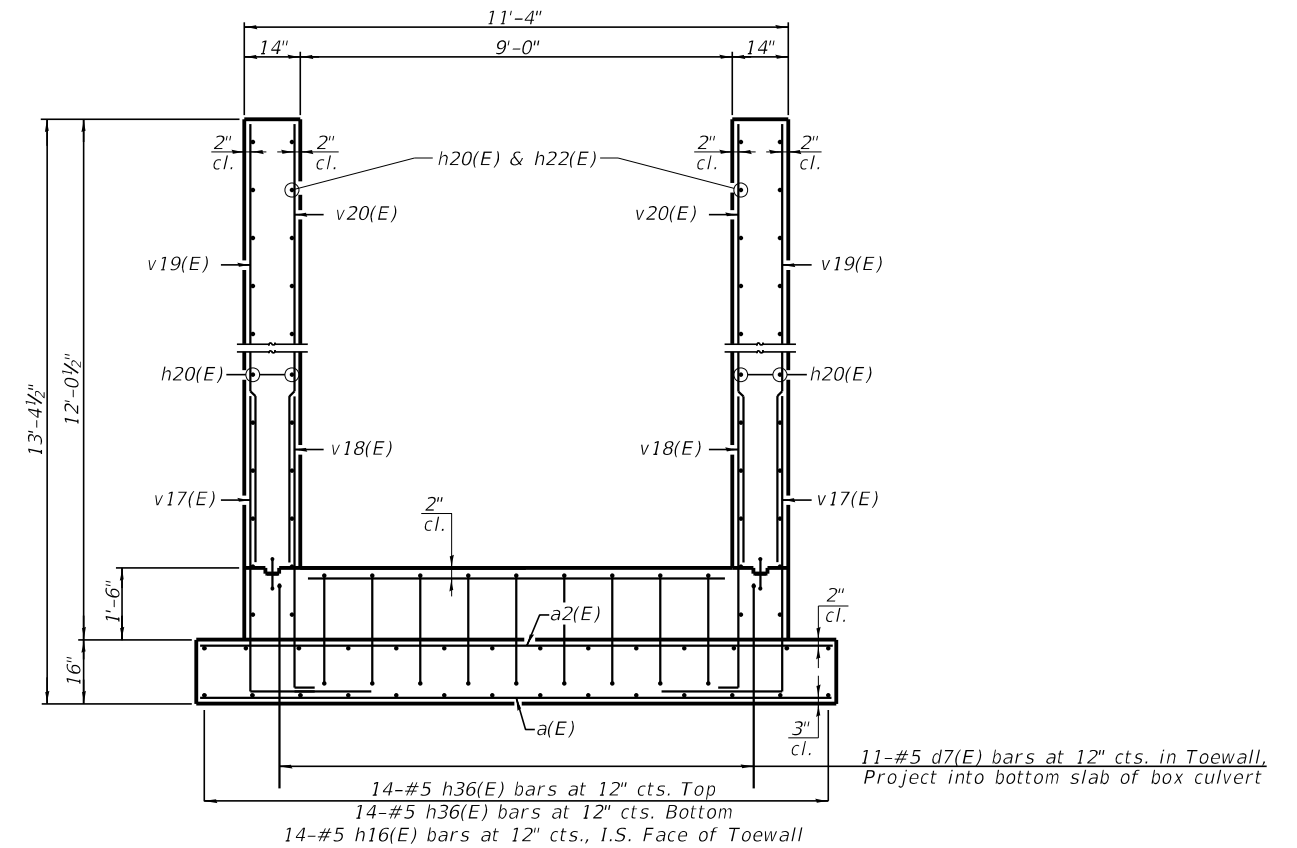


SECTION L-L

Note: h19(E) bars to be cast with Chute Section 2. See Sheet 7 of 17.



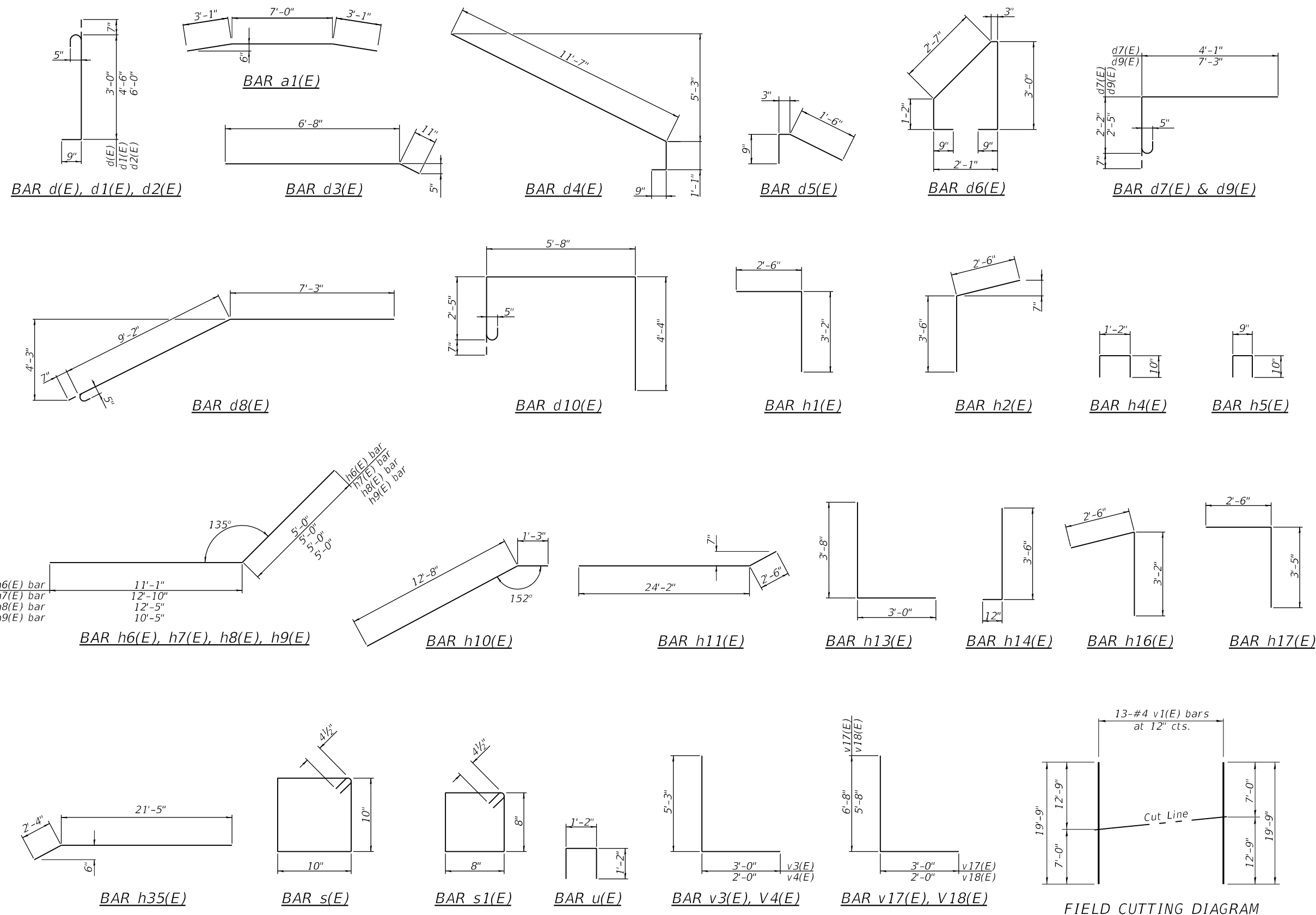
PLAN



SECTION M-M

USER NAME =	DESIGNED - KES	REVISED -
PLOT SCALE =	CHECKED - TRC	REVISED -
PLOT DATE =	DRAWN - JRP	REVISED -
	CHECKED -	REVISED -

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7825	IK-15DC	ADAMS	75	44
CONTRACT NO. 72F26				



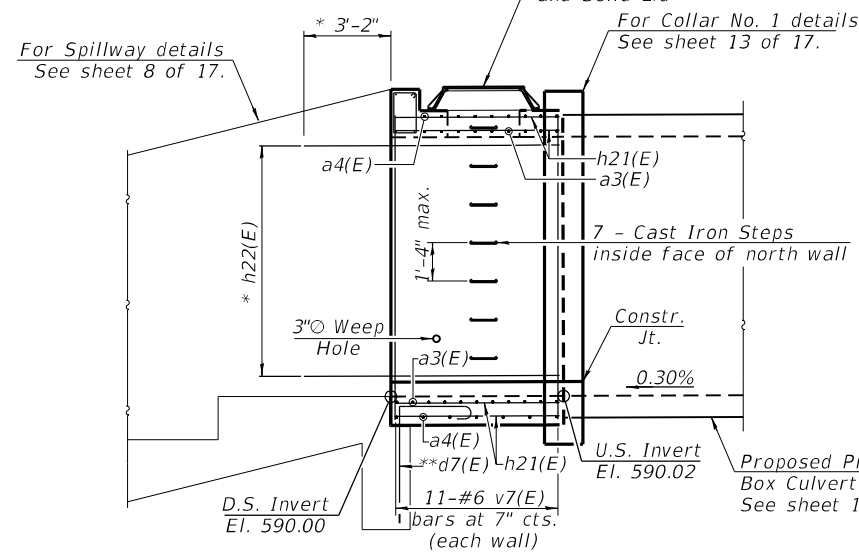
BILL OF MATERIAL

BAR	NO.	SIZE	LENGTH	SHAPE
a(E)	105	#6	13'-0"	
a1(E)	24	#5	13'-2"	
a2(E)	46	#5	13'-0"	
a7(E)	12	#6	9'-0"	
d(E)	9	#5	4'-4"	
d1(E)	9	#5	5'-10"	
d2(E)	9	#5	7'-4"	
d3(E)	9	#5	7'-7"	
d4(E)	9	#5	13'-5"	
d5(E)	9	#5	2'-6"	
d6(E)	9	#5	8'-6"	
d7(E)	23	#5	6'-10"	
d8(E)	9	#5	17'-0"	
d9(E)	63	#5	10'-3"	
d10(E)	9	#5	13'-0"	
h(E)	14	#5	23'-8"	
h1(E)	14	#5	5'-8"	
h2(E)	14	#5	6'-0"	
h3(E)	69	#5	11'-0"	
h4(E)	21	#5	2'-10"	
h5(E)	16	#5	2'-5"	
h6(E)	12	#6	16'-1"	
h7(E)	12	#6	17'-10"	
h8(E)	54	#6	17'-5"	
h9(E)	54	#6	15'-5"	
h10(E)	4	#6	13'-11"	
h11(E)	52	#4	26'-8"	
h12(E)	12	#6	24'-3"	
h13(E)	8	#6	6'-8"	
h14(E)	16	#6	4'-6"	
h15(E)	28	#5	28'-6"	
h16(E)	42	#5	5'-8"	
h17(E)	28	#5	5'-11"	
h18(E)	48	#4	27'-1"	
h19(E)	28	#5	21'-0"	
h20(E)	96	#4	21'-1"	
h22(E)	18	#5	9'-0"	
h34(E)	33	#5	13'-0"	
h35(E)	14	#5	23'-9"	
h36(E)	28	#5	18'-4"	
s(E)	50	#4	4'-1"	
s1(E)	30	#4	3'-5"	
u(E)	62	#5	3'-6"	
v(E)	52	#4	7'-4"	
v1(E)	26	#4	19'-9"	
v2(E)	18	#6	9'-5"	
v3(E)	92	#6	8'-3"	
v4(E)	52	#4	7'-3"	
v5(E)	92	#6	12'-10"	
v6(E)	52	#4	12'-10"	
v17(E)	172	#6	9'-8"	
v18(E)	96	#4	7'-8"	
v19(E)	172	#6	10'-2"	
v20(E)	96	#4	9'-11"	
Structure Excavation		Cu. Yd.	240	
Concrete Structures		Cu. Yd.	196.6	
Reinforcement Bars, (Epoxy Coated)		Pound	27,740	
Rock Fill - Foundation		Ton	217.6	

FIELD CUTTING DIAGRAM

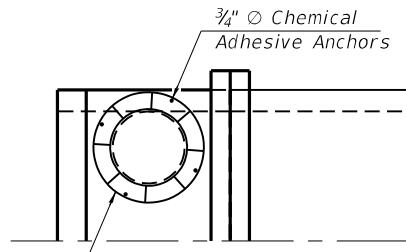
Order v1(E) bars full length. Cut as shown and use remainder of bars in opposite face. Each wing. See Wingwall Elevation on sheet 6 of 17.

* h22(E) bars to be cast in spillway walls with 3'-2" min. embedment.



HALF LONGITUDINAL SECTION

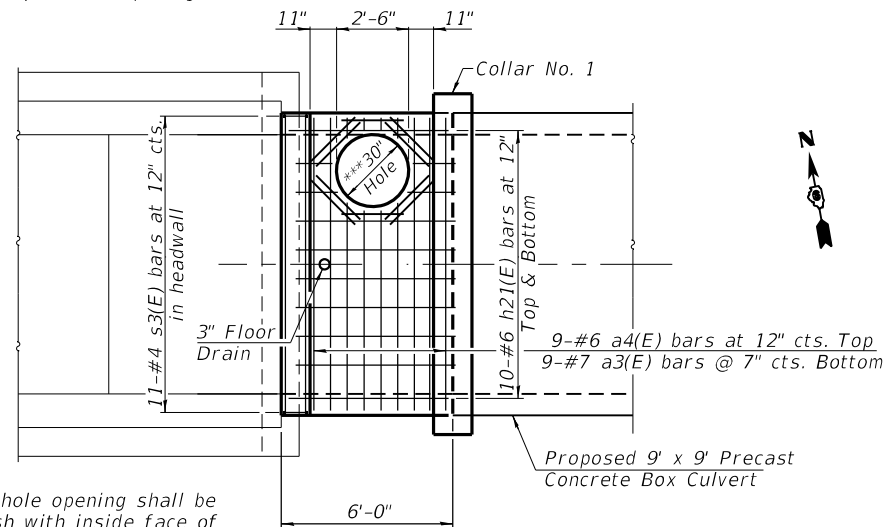
** d7(E) bars to be cast in spillway toewall.



PARTIAL PLAN
(Showing Manhole Frame)

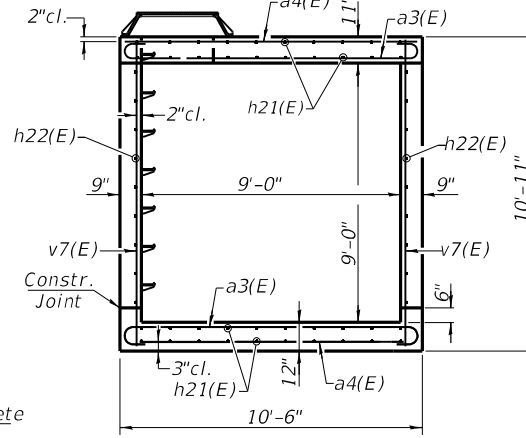
30" Ø Manhole Frame and Solid Lid. Center between inside face of headwall and inside face of collar.

Note: Cut h21(E), a3(E) & a4(E) bars as required to miss manhole opening. Place cutoff bars diagonally around opening as shown.

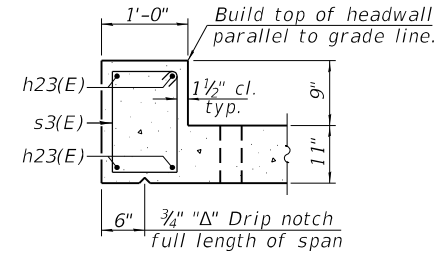


PLAN
(Showing Top Slab Reinforcement)

*** Manhole opening shall be flush with inside face of north wall.



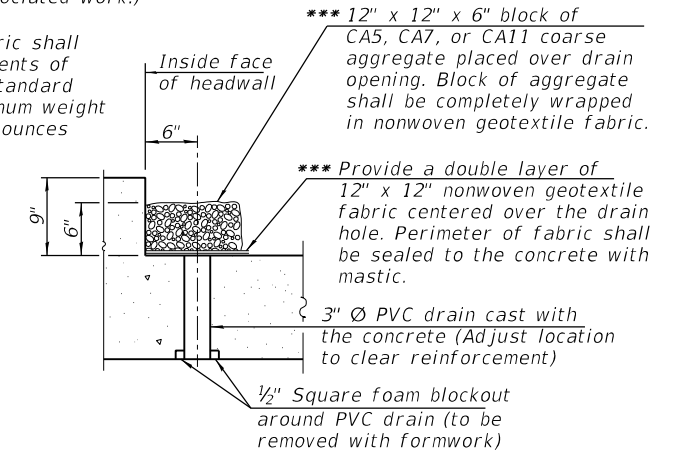
SECTION THRU BARREL
(Thru Center Barrel - Looking East)



SECTION THRU HEADWALL

(All costs associated with furnishing and constructing the drain detail will not be measured for payment but shall be included in the contract unit price for the associated work.)

*** Nonwoven geotextile fabric shall conform to the requirements of Article 1080.01 of the Standard Specifications. The minimum weight of the fabric shall be 6 ounces per square yard.



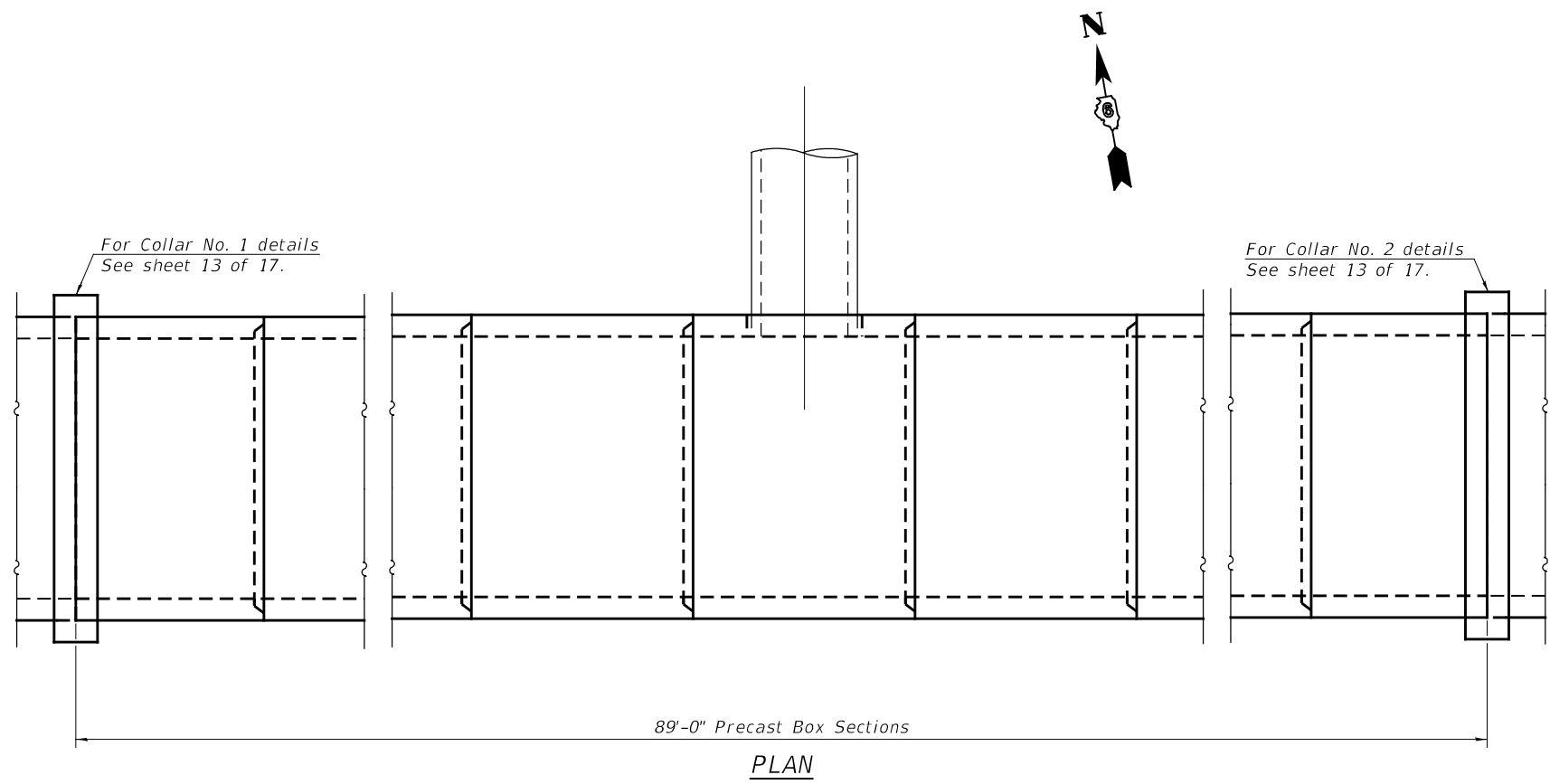
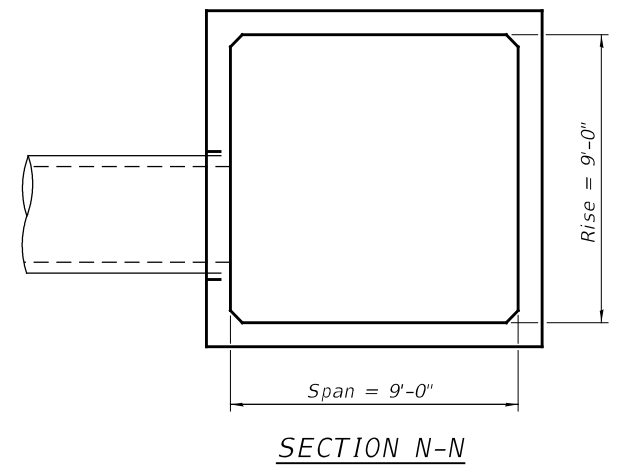
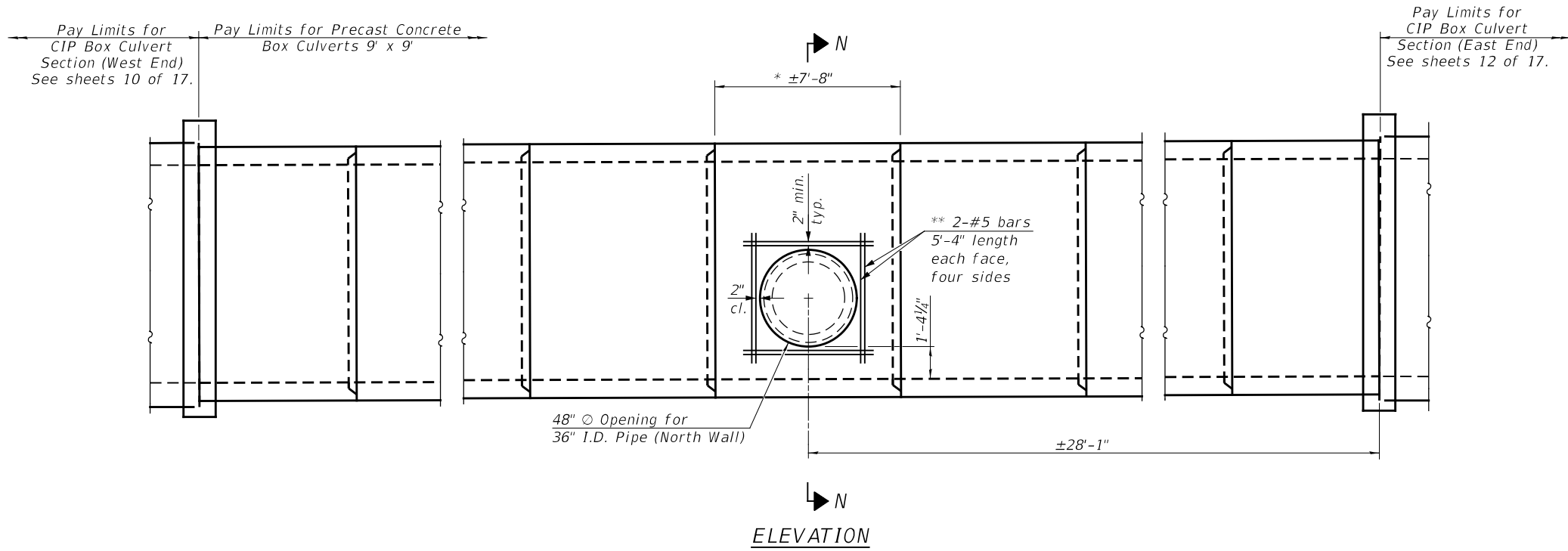
DRAIN DETAILS

BILL OF MATERIAL
Box Culvert Section
(West End)

Bar	No.	Size	Length	Shape
a3(E)	20	#7	11'-10"	C
a4(E)	16	#6	10'-2"	—
h21(E)	40	#6	5'-8"	—
h23(E)	4	#6	10'-2"	—
s2(E)	48	#4	1'-0"	—
s3(E)	11	#4	5'-1"	□
u1(E)	6	#4	25'-11"	□
v7(E)	22	#6	10'-6"	—
Concrete Box Culverts			Cu. Yd.	9.4
Reinforcement Bars, Epoxy Coated			Pound	1,660
Cast Iron Steps			Each	7
Frames And Lids, Special			Each	1
Geocomposite Wall Drain			Sq. Yd.	7
Membrane Waterproofing System for Buried Structures			Sq. Yd.	7

Notes:

- See sheet 2 of 17 for Geocomposite Wall Drain and Membrane Waterproofing System for Buried Structures.
- Manhole anchor bolts shall be stainless steel chemical adhesive type with a minimum penetration of four inches and shall be installed per manufacturer's recommendations. Cost to furnish and install anchors shall be included in the cost for Frames And Lids, Special.



GENERAL NOTES

Precast Concrete Box Culverts 9' x 9' shall be constructed according to the requirements of Section 540 of the Standard Specifications except as modified herein. This work will be measured for payment per foot and will be paid for at the contract unit price per foot for Precast Concrete Box Culverts 9' x 9' as specified.

Typical box section dimensions, materials, and reinforcement details for Precast Concrete Box Culverts 9' x 9' shall be according to the requirements of ASTM C 1577.

* Length of segment shown in Elevation is for pipe opening to be centered in north face. Length and number of precast box sections required to construct Precast Concrete Box Culverts 9' x 9' shall be determined by the Contractor (See Roadway Plans).

** The cost to provide additional wall reinforcement will not be measured for payment but shall be included in the cost per foot for Precast Concrete Box Culverts 9'x9'.

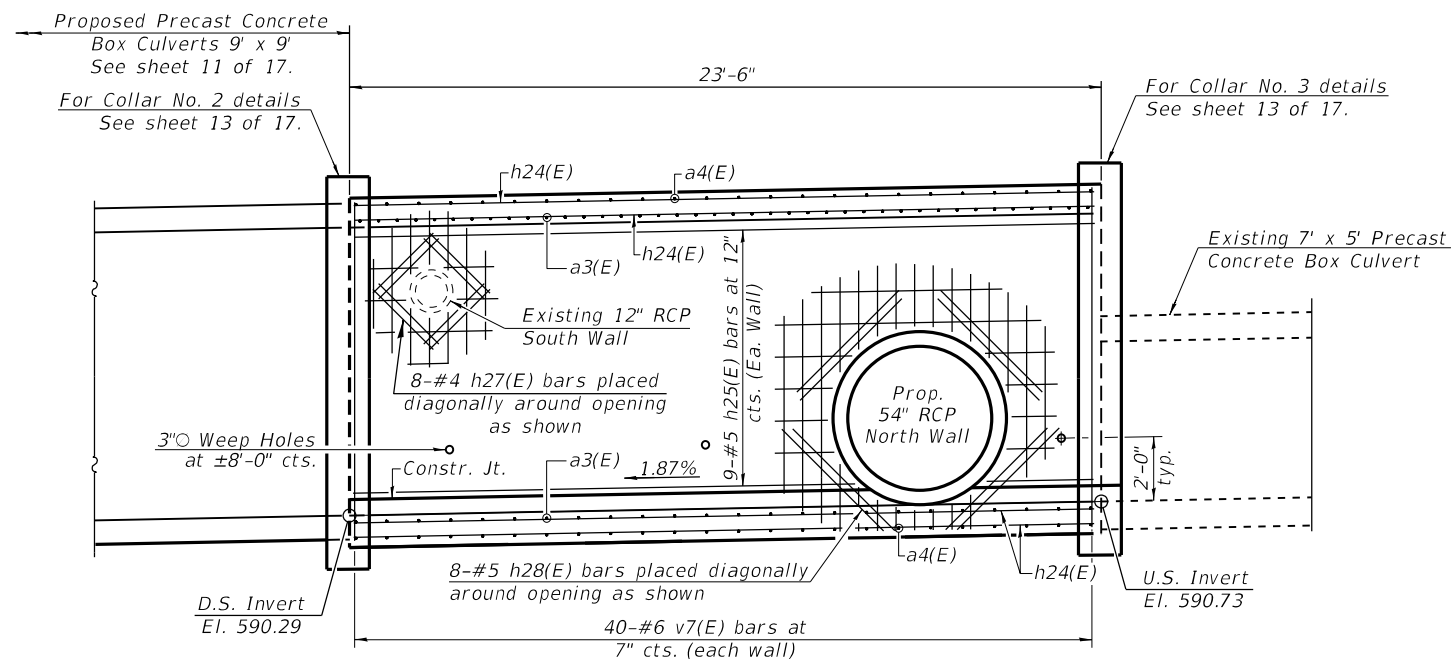
BILL OF MATERIAL

Item	Unit	Total
Structure Excavation	Cu. Yd.	392
Precast Concrete Box Culverts 9' x 9'	Foot	89
Geocomposite Wall Drain	Sq. Yd.	121
Membrane Waterproofing System for Buried Structures	Sq. Yd.	121
Granular Culvert Backfill	Cu. Yd.	106

Note: See sheet 2 of 17 for Geocomposite Wall Drain and Membrane Waterproofing System for Buried Structures.

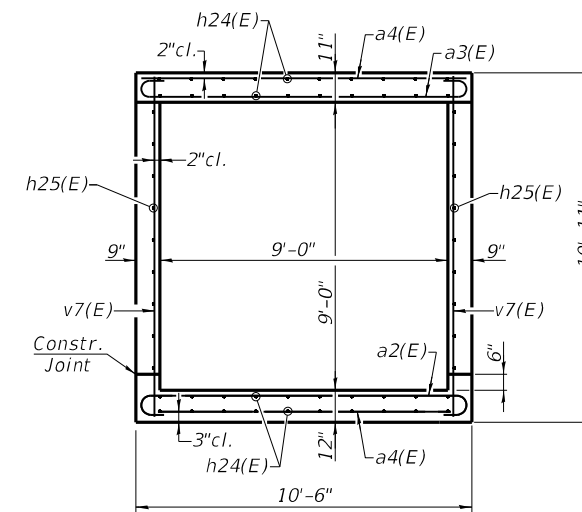
BILL OF MATERIAL
Box Culvert Section
(East End)

Bar	No.	Size	Length	Shape
a3(E)	80	#7	11'-10"	⌒
a4(E)	48	#6	10'-2"	—
h24(E)	40	#6	23'-2"	—
h25(E)	18	#5	23'-2"	—
h26(E)	4	#4	11'-6"	—
h27(E)	8	#4	2'-8"	—
h28(E)	8	#5	4'-5"	—
s2(E)	96	#4	1'-0"	—
u1(E)	12	#4	25'-11"	⌒
v7(E)	80	#6	10'-6"	—
v8(E)	7	#4	4'-5"	—
v9(E)	2	#4	11'-10"	—
Concrete Box Culverts			Cu. Yd.	34.8
Structure Excavation			Cu. Yd.	77
Reinforcement Bars, Epoxy Coated			Pound	6,150
Geocomposite Wall Drain			Sq. Yd.	35
Membrane Waterproofing System for Buried Structures			Sq. Yd.	35

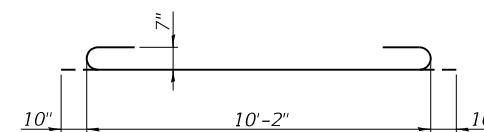


HALF LONGITUDINAL SECTION
 (Thru Center Barrel - Looking North)

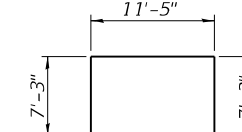
Note: Cut h5(E) & v7(E) bars as required to miss pipe openings.



SECTION THRU BARREL

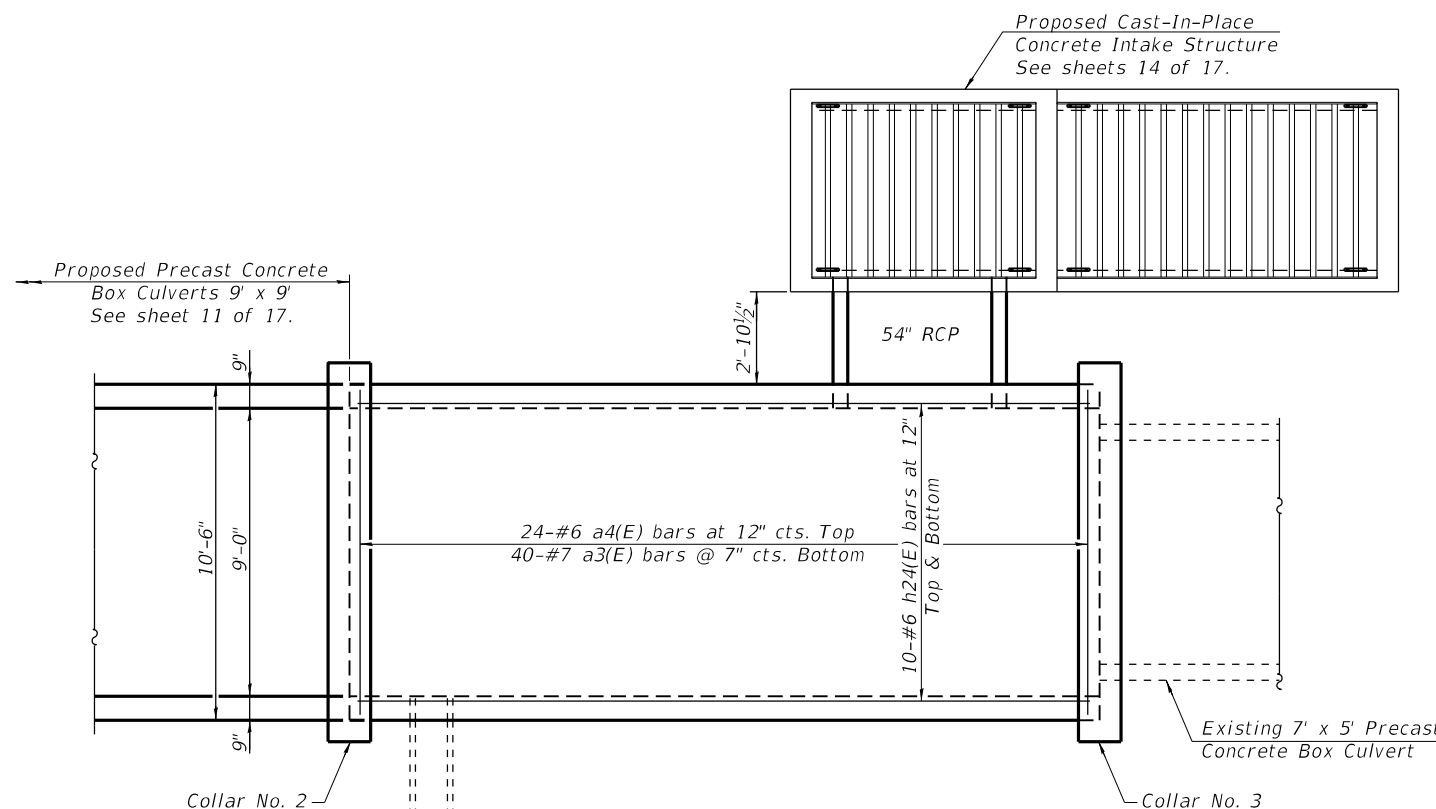


BAR a3(E)

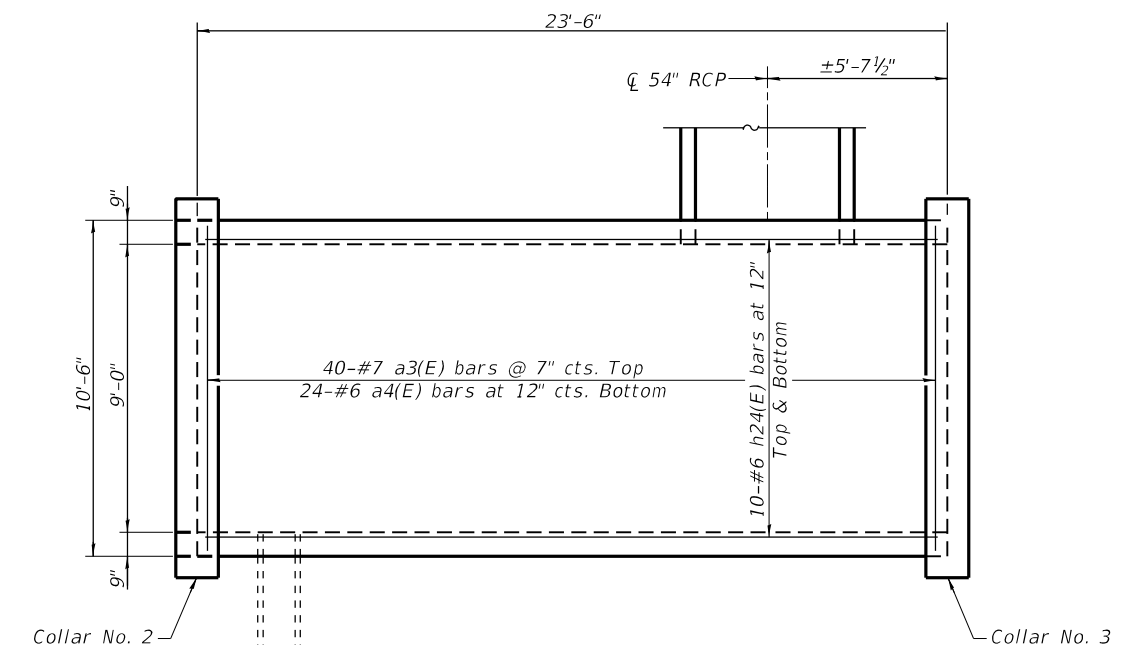


BAR u1(E)

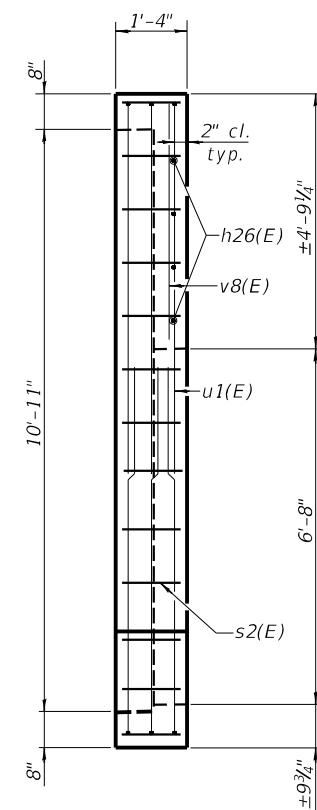
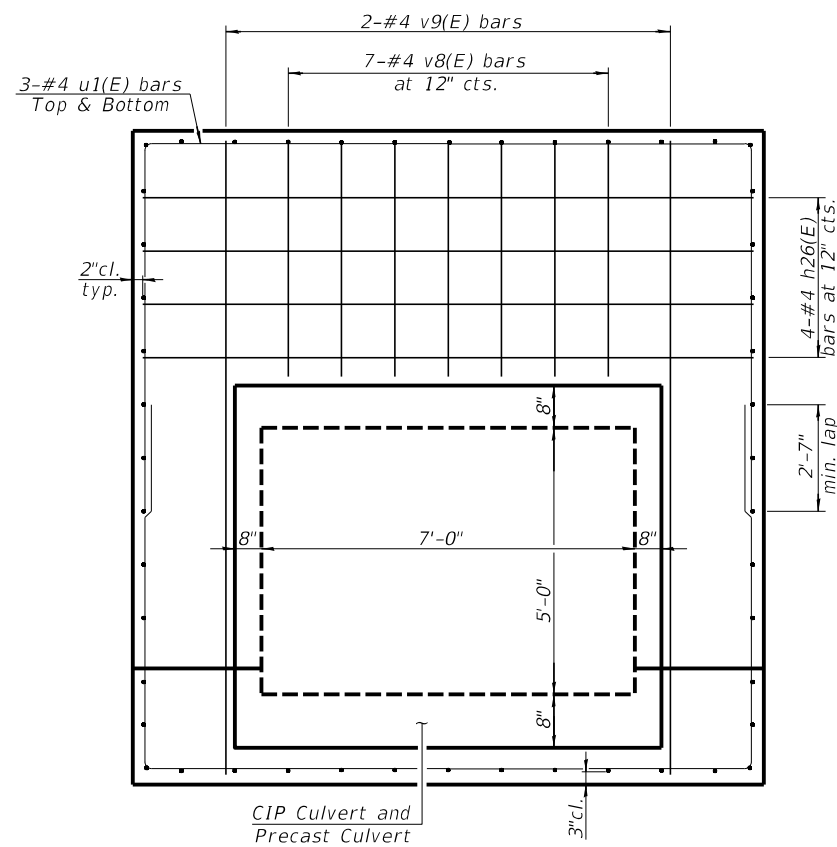
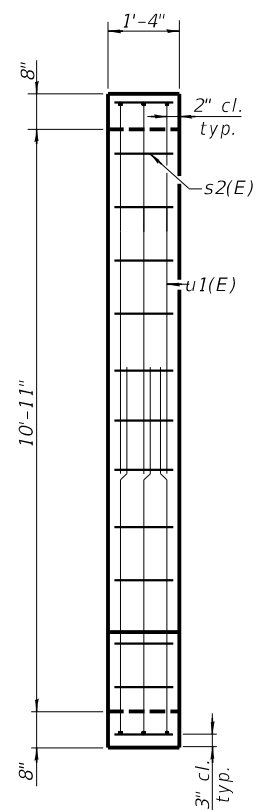
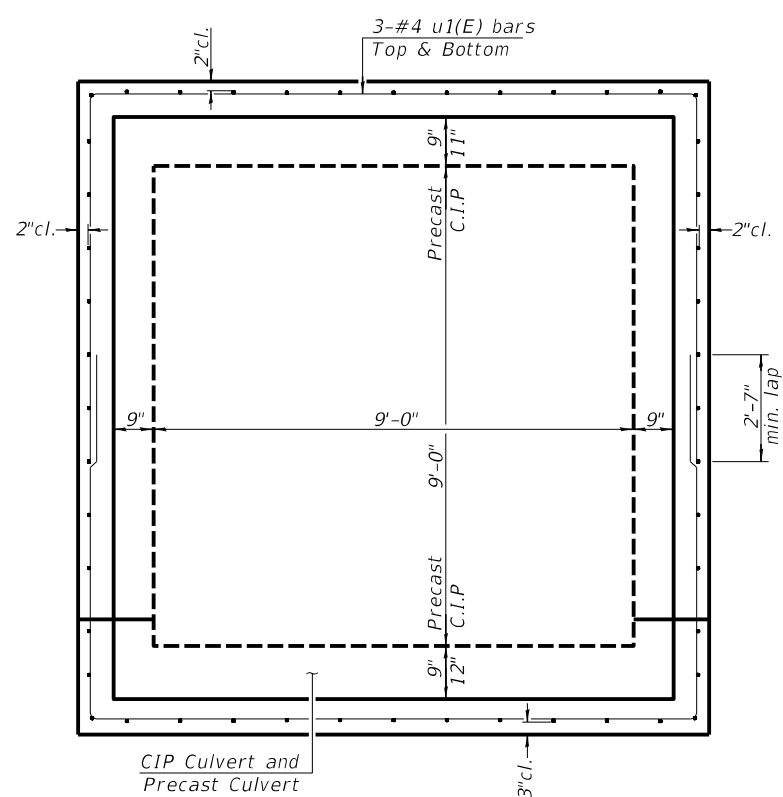
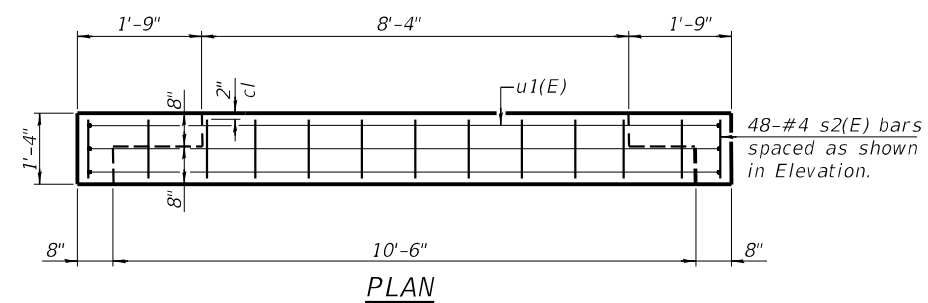
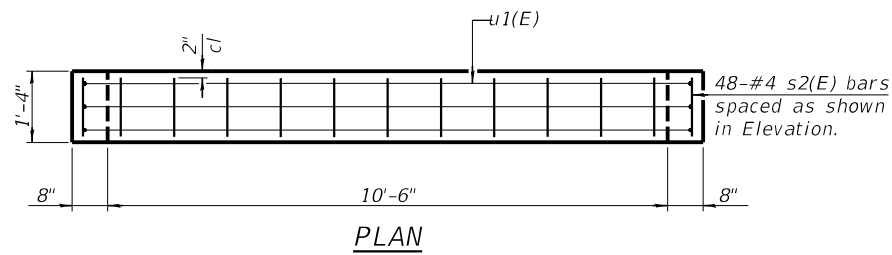
Note: See sheet 2 of 17 for Geocomposite Wall Drain and Membrane Waterproofing System for Buried Structures.



PLAN
 (Showing Top Slab Reinforcement)



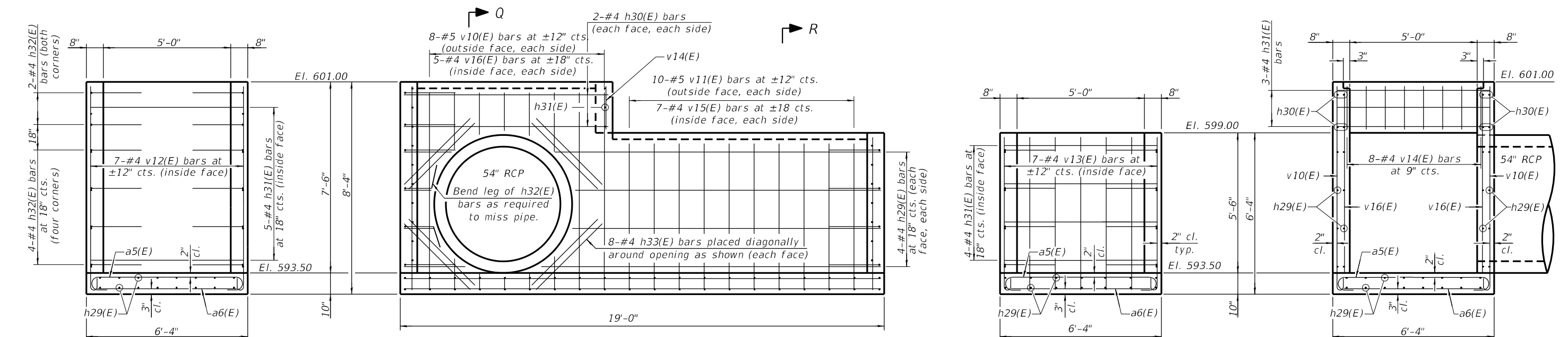
PLAN
 (Showing Bottom Slab Reinforcement)



COLLAR NO. 1 & 2

COLLAR NO. 3

Note: See sheet 10 & 12 of 17 for additional details and Bill of Materials.

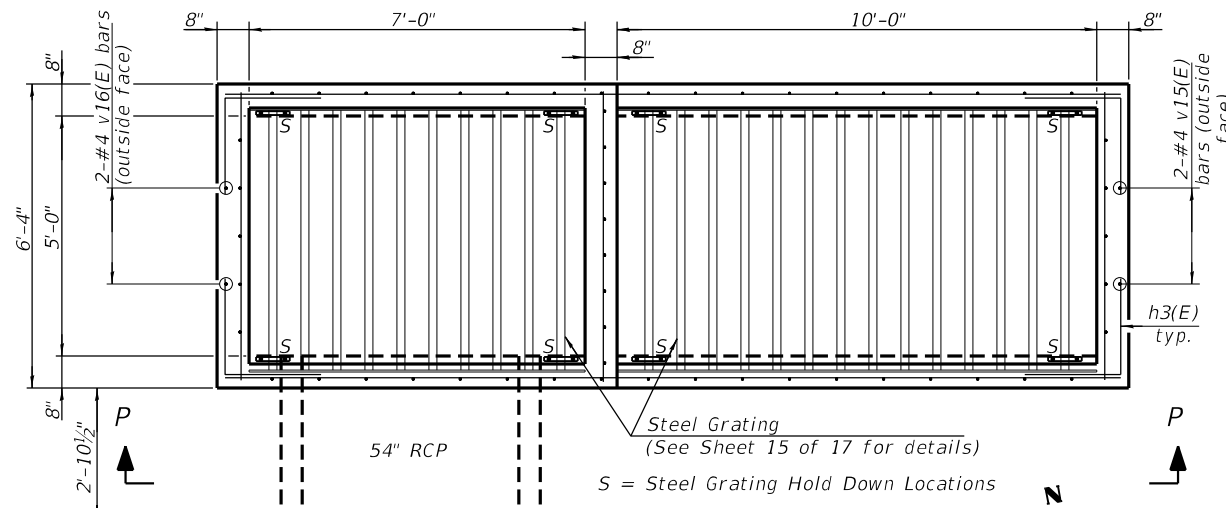


Cut h29(E), v10(E) and v16(E) bars as required to miss pipe opening on south side.

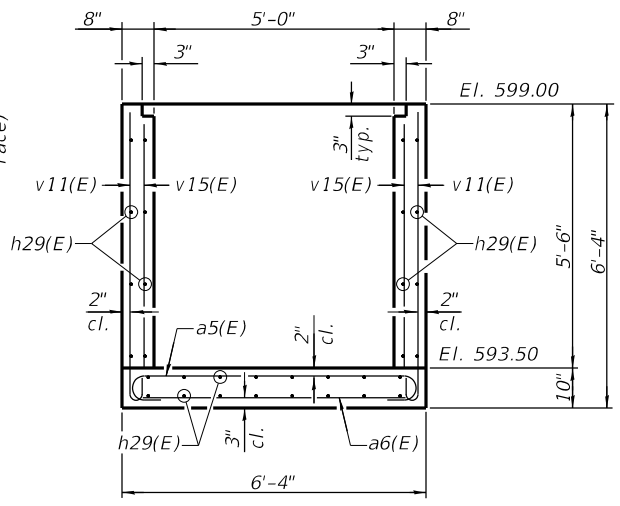
END VIEW
(Looking East)

END VIEW
(Looking West)

SECTION Q-Q

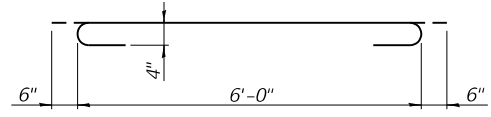


TOP PLAN

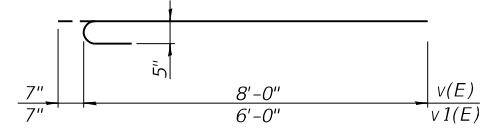


SECTION R-R

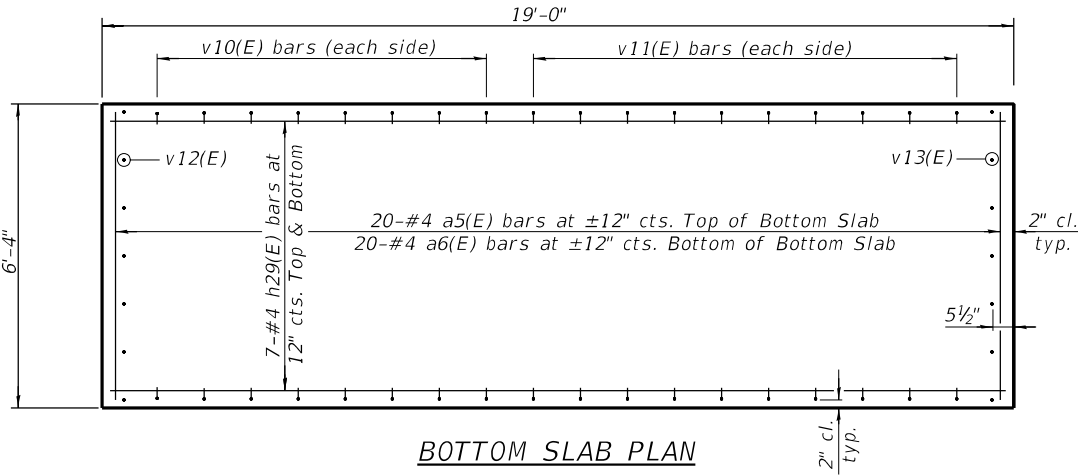
BARS h32(E)



BARS a5(E)



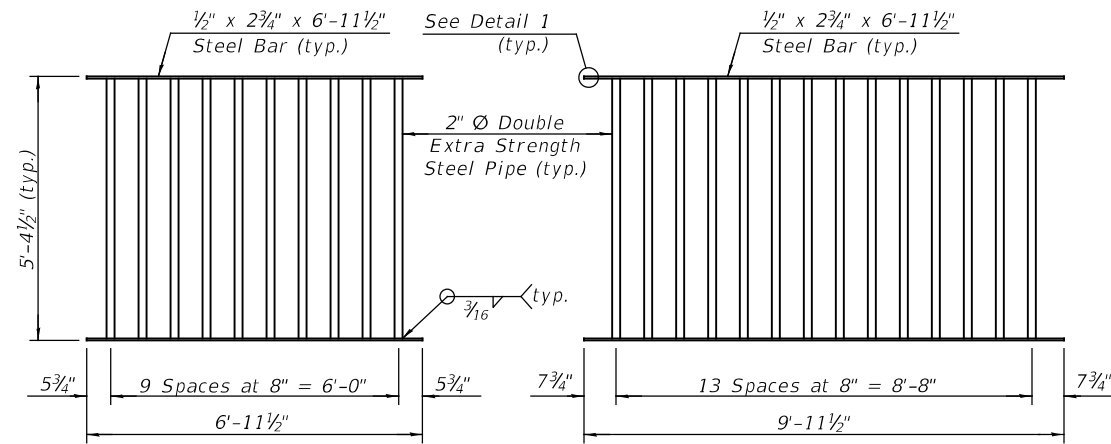
BARS v10(E) & v11(E)



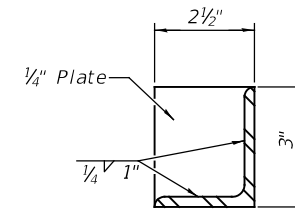
BOTTOM SLAB PLAN

BILL OF MATERIAL
INTAKE STRUCTURE

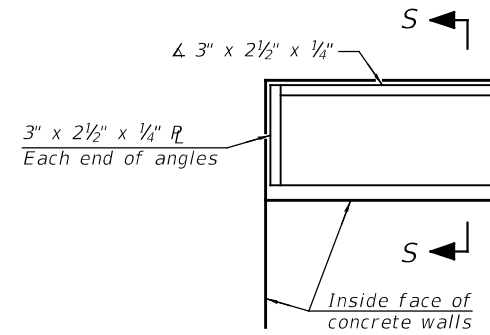
Bar	No.	Size	Length	Shape
a5(E)	20	#4	7'-0"	
a6(E)	20	#4	6'-0"	—
h29(E)	30	#4	18'-8"	—
h30(E)	8	#4	8'-0"	—
h31(E)	12	#4	6'-0"	—
h32(E)	20	#4	4'-0"	
h33(E)	16	#4	3'-8"	—
v10(E)	16	#5	8'-7"	
v11(E)	20	#5	6'-7"	
v12(E)	7	#4	8'-0"	—
v13(E)	7	#4	6'-0"	—
v14(E)	8	#4	1'-8"	—
v15(E)	16	#4	5'-1"	—
v16(E)	12	#4	7'-1"	—
Structure Excavation			Cu. Yd.	57
Concrete Structures			Cu. Yd.	8.0
Reinforcement Bars, Epoxy Coated			Pound	1,200



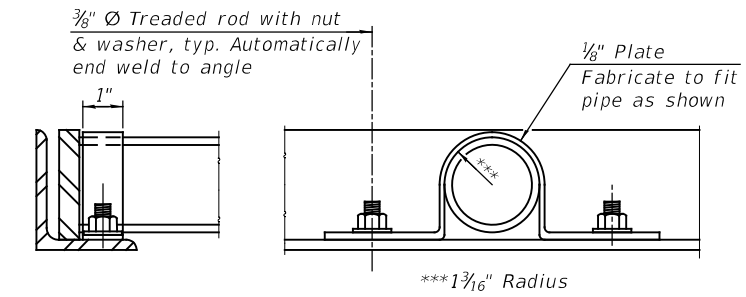
PLAN STEEL GRATING



SECTION S-S



DETAIL 1



AT END OF PIPE

SECTION THRU PIPE

STEEL GRATING HOLD DOWN DETAILS

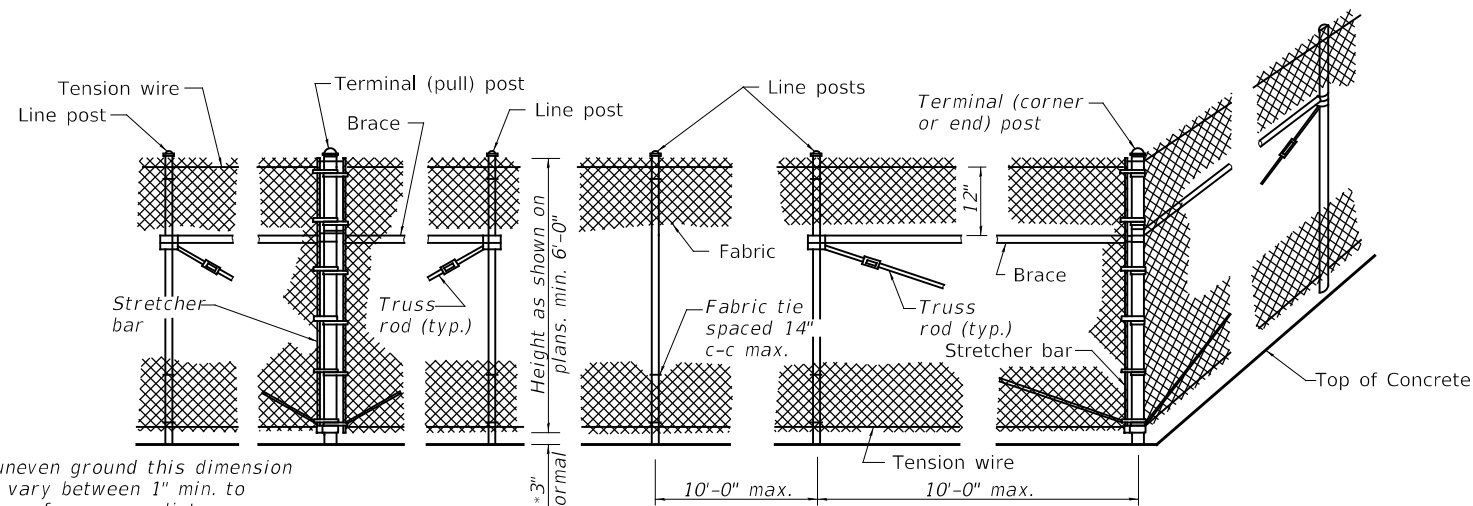
(See Top Plan on sheet 14 of 17 for locations)
8 required

Notes:
The structural steel components of the Steel Grating assemblies shall conform to the requirements of AASHTO M 270 Grade 36, Galvanized.
The structural steel plates, angles, pipes, bolts, nuts and washers shall be galvanized according to AASHTO M111 or M232 as applicable.

BILL OF MATERIAL

Item	Unit	Total
Traversable Pipe Grate, Special	Each	2

USER NAME =	DESIGNED - TRC	REVISED -
	CHECKED - KES	REVISED -
PLOT SCALE =	DRAWN - TRC	REVISED -
PLOT DATE =	CHECKED -	REVISED -



* On uneven ground this dimension may vary between 1" min. to 5" max. for a max. distance of 8'-0".

PULL POST ARRANGEMENT

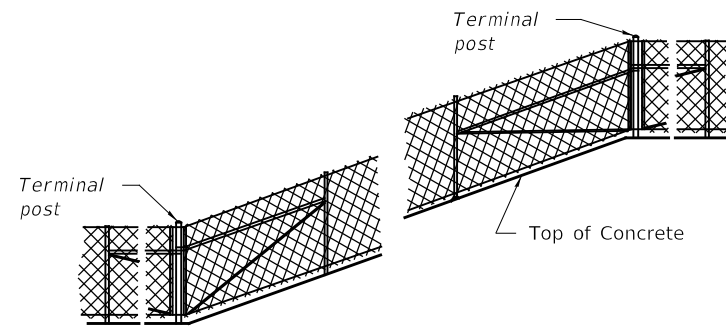
NTS

LINE POST ARRANGEMENT

NTS

CORNER OR END POST ARRANGEMENT

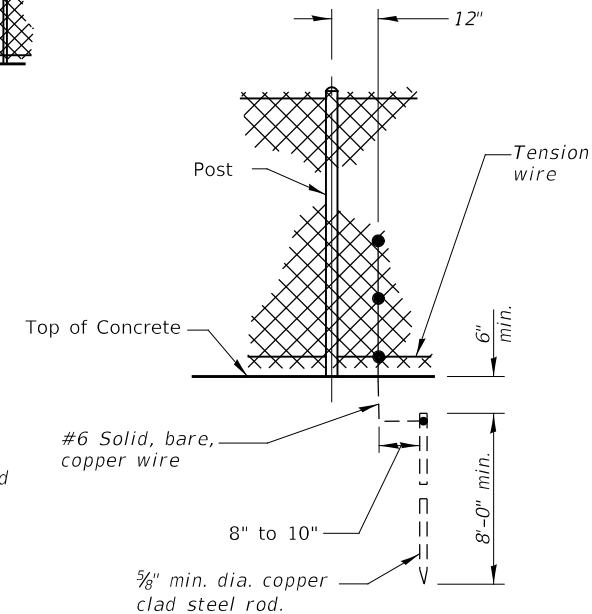
NTS



INSTALLATION ON SLOPES

NTS

Fence shall be grounded at intervals of 50'. The ground wire shall be connected to the fabric and the ground rod by a mechanical clamp of cast bronze body and bronze or stainless steel bolts and washers.



STANDARD GROUND

NTS

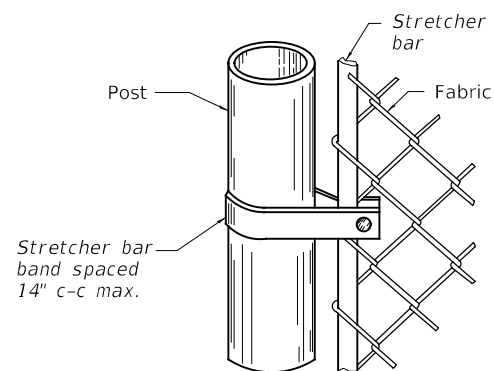
NOTES:

- Utilize Pipe Type A for all line and terminal posts.
- Pipe shall be ASTM A53, Grade B or ASTM A500, Grade B.
- Base plates shall be ASTM A36 minimum.
- Aluminum-coated steel or zinc-coated steel materials shall be provided for fencing, posts, and base plates.
- Anchors shall be stainless steel chemical adhesive type and shall be installed per manufactures recommendations.

HORIZONTAL BRACES	
Section	lbs./ft.
Pipe Type A 1.66" O.D.	2.27
Pipe Type B 1.66" O.D.	1.83
Pipe Type C 1.66" O.D.	1.82
H 1.31"x1.5"	2.25
Roll Formed 1 5/8"x1 1/4"	See detail

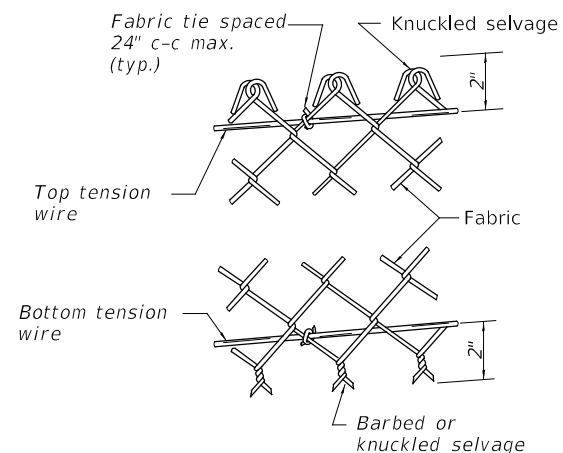
LINE POST	
Section	lbs./ft.
Pipe Type A 1.90" O.D.	2.72
Pipe Type B 1.90" O.D.	2.28
Pipe Type C 1.90" O.D.	2.26
H 1.875"x1.625"	2.72
□	1.60
I	2.30

TERMINAL POST	
Section	lbs./ft.
Pipe Type A 2.375" O.D.	3.65
Pipe Type B 2.375" O.D.	3.11
Pipe Type C 2.375" O.D.	3.09
Roll Formed 3 1/2"x3 1/2"	See detail
Sq. Tubing 2 1/2"x2 1/2"	4.32



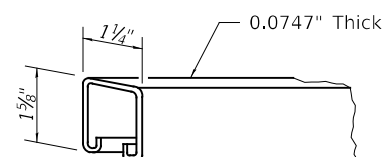
METHOD OF FASTENING STRETCHER BAR TO POST

NTS



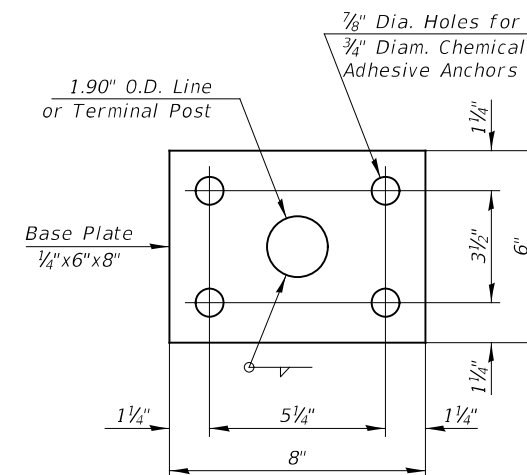
METHOD OF TYING FABRIC TO TENSION WIRES

NTS



ROLL FORMED SECTION OF BRACE

NTS



FENCE POST BASE PLATE DETAIL

NTS

NOTES:

Base plate shall be cleaned with power wire brush and the weld shall be ground smooth. Grind corners and edges to 1/8" radius. Drill 1/2" drainage hole through center of each base plate.

Base plate shall have angle to conform to the slope of top of wall.

Anchor bolts, nuts and washers shall be 304 stainless steel.

BILL OF MATERIAL

Item	Unit	Total
Chain Link Fence, 6' Attached to Structure	Foot	183

SOIL BORING LOG

ROUTE 96 DESCRIPTION RT 96 over Unnamed Ditch LOGGED BY M. Tappan

SECTION LOCATION SW 1/4, SEC. 18, TWP. 1S, RNG. 8W, 4 PM

COUNTY Adams DRILLING METHOD HSA HAMMER TYPE 140 # Auto

STRUCT. NO.	Station	D E P T H (ft)	B L O W S (ft)	U C S Qu (tsf)	M O I S T (%)	Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.:	▼ First Encounter	▼ Upon Completion	▼ After	D E P T H (ft)	B L O W S (ft)	U C S Qu (tsf)	M O I S T (%)
001-7048						Dry	576.3								
1 NW WW	105+87								568.3	577.3	Plugged				
	7.0ft Lt														
	601.3														
Brown Moist SILTY CLAY (Fill)															
Tan to Brown Medium to Coarse Moist Dirty SAND															
Brown Dirty Medium SANDY GRAVEL with Angular Cherty Limestone GRAVEL															
Tan Moist Medium SAND with some Pea GRAVEL															
Light Gray Very Well Indurated Cherty LIMESTONE															
Dark Brown Moist SILTY CLAY LOAM															
Tannish Gray Moist CLAY LOAM															
Gray and Brown Moist SANDY CLAY Residuum with Broken Cherty Limestone GRAVEL															
Reddish Brown and Gray															

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

SOIL BORING LOG

ROUTE 96 DESCRIPTION RT 96 over Unnamed Ditch LOGGED BY M. Tappan

SECTION LOCATION SW 1/4, SEC. 18, TWP. 1S, RNG. 8W, 4 PM

COUNTY Adams DRILLING METHOD HSA HAMMER TYPE 140 # Auto

STRUCT. NO.	Station	D E P T H (ft)	B L O W S (ft)	U C S Qu (tsf)	M O I S T (%)	Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.:	▼ First Encounter	▼ Upon Completion	▼ After	D E P T H (ft)	B L O W S (ft)	U C S Qu (tsf)	M O I S T (%)
001-7048						Dry	576.3								
1 NW WW	105+87								568.3	577.3	Plugged				
	7.0ft Lt														
	601.3														
Brown Dirty Medium SANDY GRAVEL with Angular Cherty Limestone GRAVEL (continued)															
Brown moist Medium SAND with some Pea GRAVEL															
Light Gray Very Well Indurated Cherty LIMESTONE															
Boring Completed Auger Refusal at 48.0'															
Sta. and Elev. Provided by Dist. 6 Surveys															

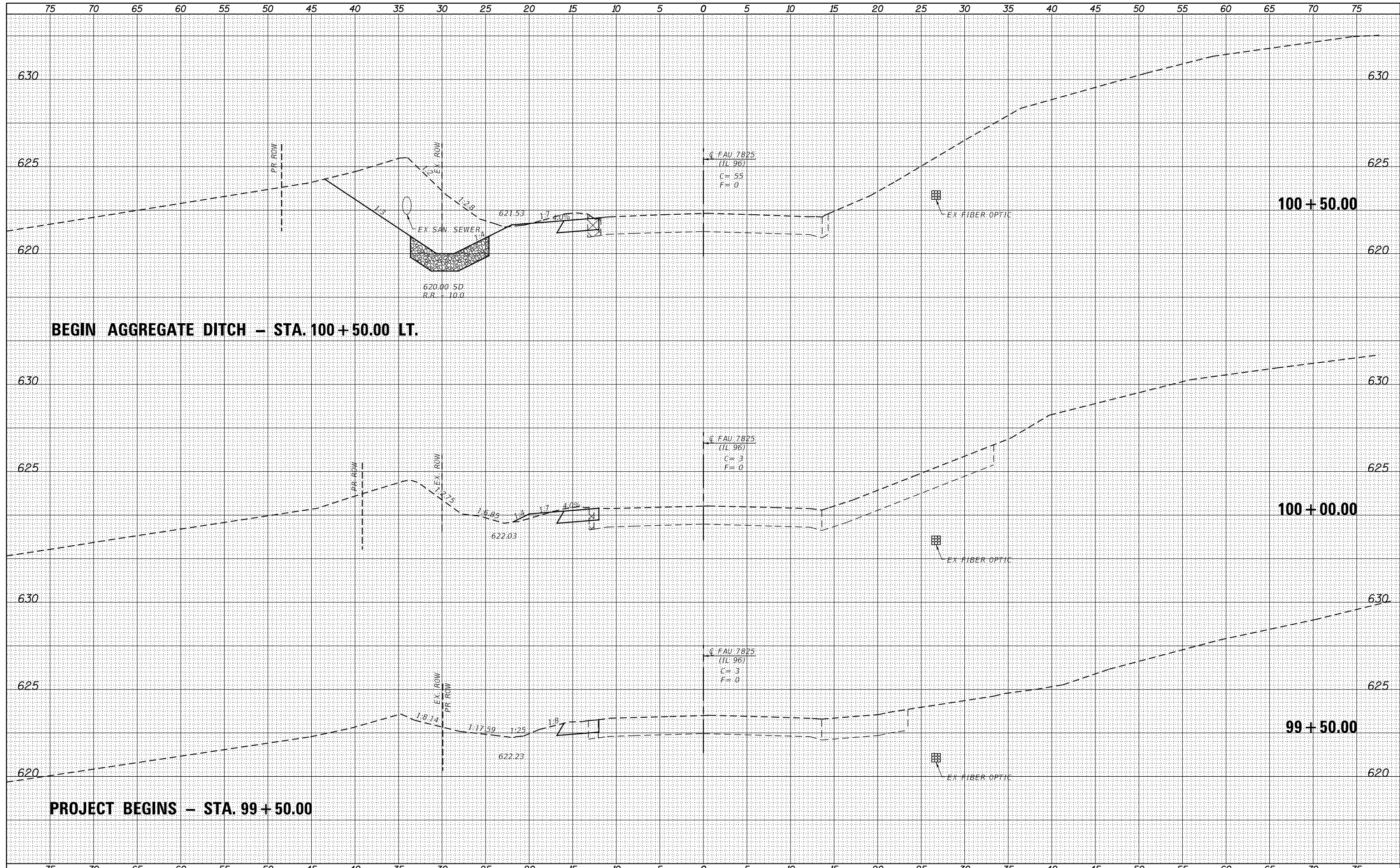
The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated) Abbreviations W.O.H - Sampler Advanced By Weight of Hammer, W.O.P - Advanced by Weight of Pipe, B.S. - Before Seating The SPT (N value) is the sum of the last two blow values in each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

File Name S:\SOILS\GINT FILES\001-ADAMS\CULVERTS\001-7048.GPJ Data Template D6TEMPLATE.DAT Date Printed 4/19/18 Latitude 39.58776N Longitude 91.22637W Datum NAD83 Job Number D-96-041-12

File Name S:\SOILS\GINT FILES\001-ADAMS\CULVERTS\001-7048.GPJ Data Template D6TEMPLATE.DAT Date Printed 4/19/18 Latitude 39.58776N Longitude 91.22637W Datum NAD83 Job Number D-96-041-12

BY: _____ DATE: _____
 SURVEYED _____
 PLOTTED _____
 TEMPLATE _____
 NO. _____ AREAS CHECKED _____

BY: _____ DATE: _____
 ORIGINAL SURVEY _____
 PLOTTED _____
 TEMPLATE _____
 NO. _____ AREAS CHECKED _____



USER NAME = *USER*	DESIGNED -	REVISED -
PLOT SCALE = *SCALE*	DRAWN -	REVISED -
PLOT DATE = 8/17/2022	CHECKED -	REVISED -
	DATE -	REVISED -

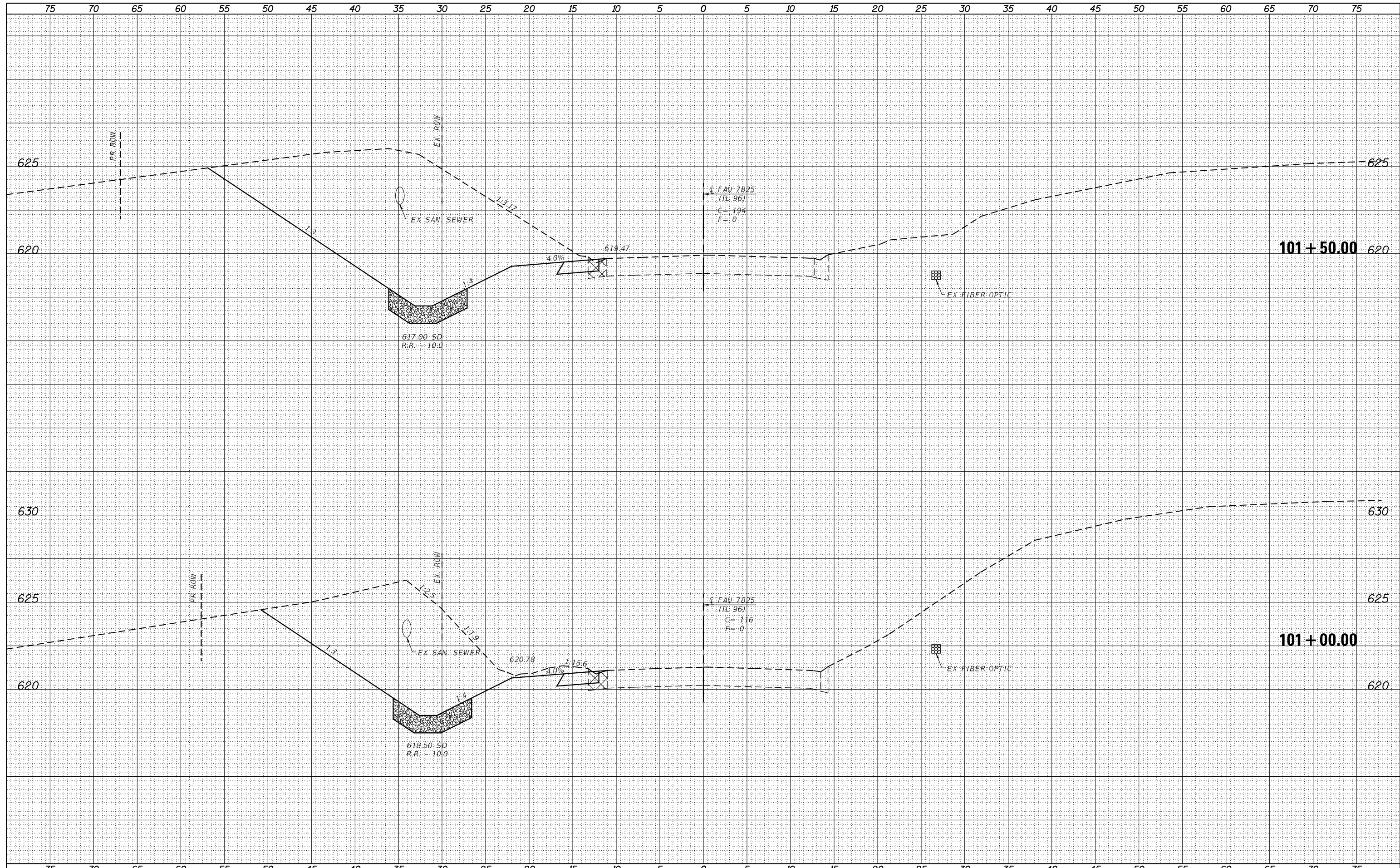
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS (IL 96)
 SCALE: _____ SHEET NO. 1 OF 15 SHEETS STA. 99+50.00 TO STA. 100+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7825	(K-15)DC	ADAMS	75	54
CONTRACT NO. 72F26				
FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT				

BY: _____ DATE: _____
 SURVEYED _____
 PLOTTED _____
 TEMPLATE _____
 AREAS _____
 CHECKED _____
 FINAL SURVEY NO. _____

BY: _____ DATE: _____
 ORIGINAL SURVEY NO. _____
 SURVEYED _____
 PLOTTED _____
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 AREAS _____
 CHECKED _____

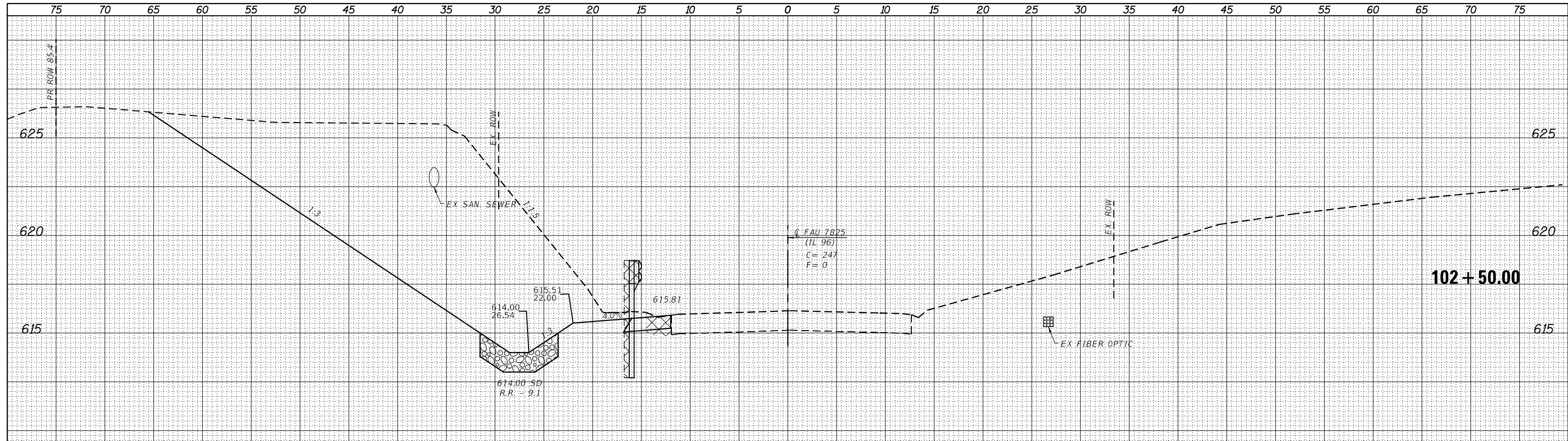


**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS (IL 96)

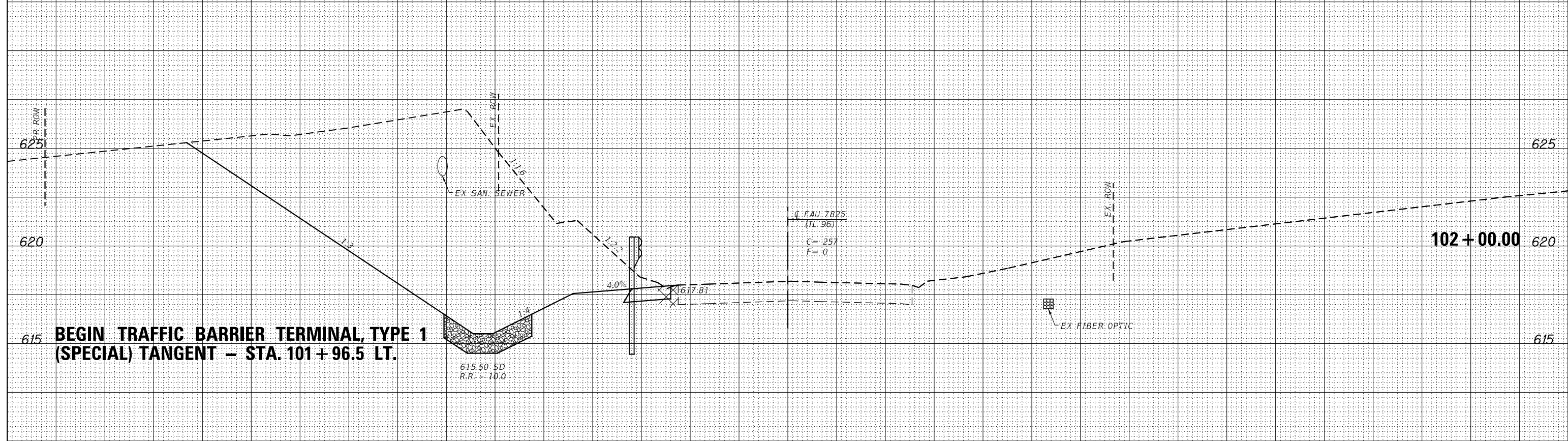
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	DRAWN -	REVISED -
PLOT SCALE = *SCALE*	CHECKED -	REVISED -
PLOT DATE = 8/17/2022	DATE -	REVISED -

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



TRANSITION FROM 1:4 FORESLOPE AT STA. 102+00 TO 1:3 FORESLOPE AT STA. 102+50 LT.

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



BEGIN TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT - STA. 101+96.5 LT.

VEENSTRA & KIMM INC.
Springfield, IL. Phone: (217)544-8033
IL Design Firm No. 184-001939

USER NAME = *USER*	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = *SCALE*	CHECKED -	REVISED -
PLOT DATE = 8/17/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

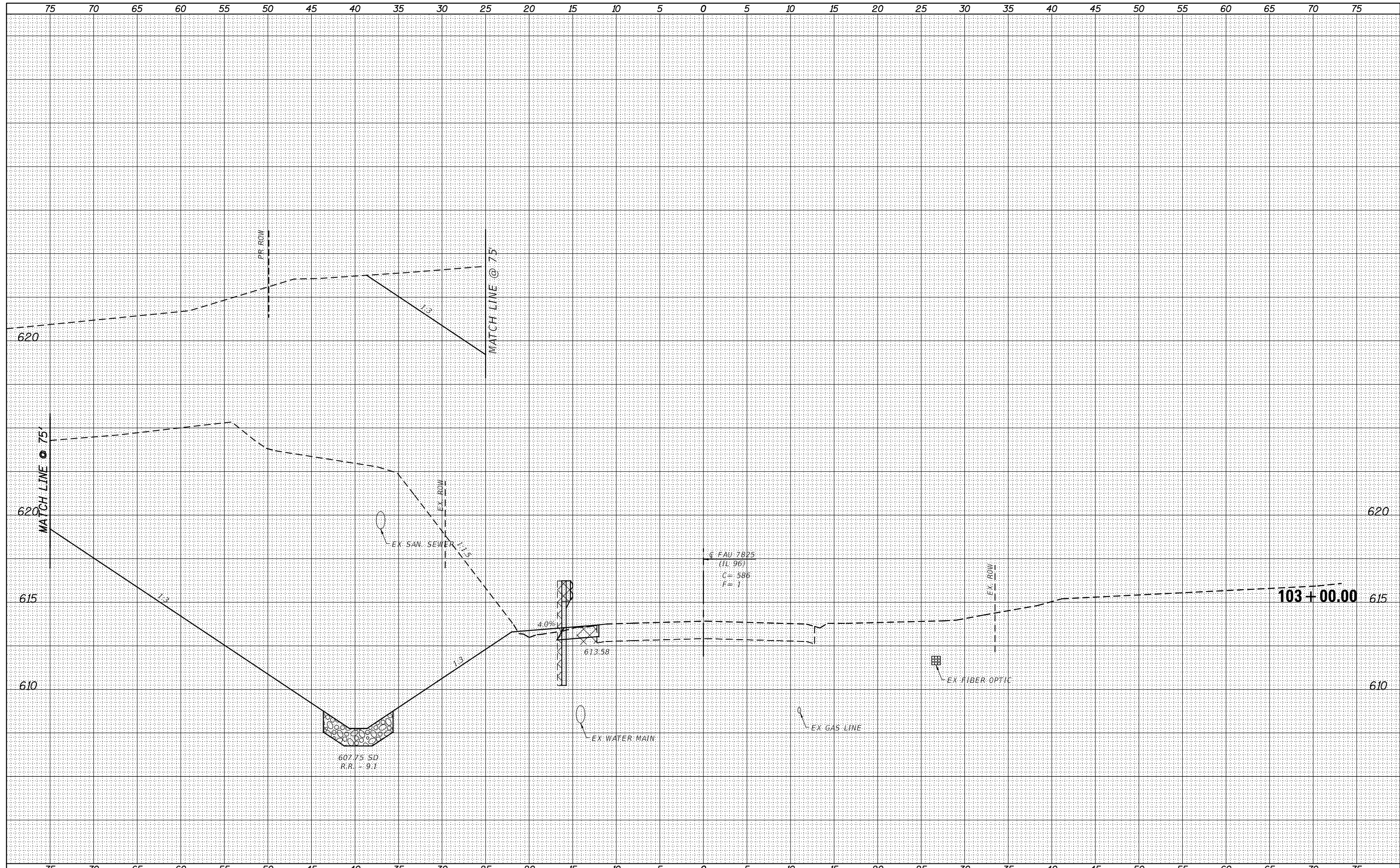
CROSS SECTIONS (IL 96)

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7825	(K-15)DC	ADAMS	75	56
CONTRACT NO. 72F26				
FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED	DATE
	PLOTTED	
	TEMPLATE	
	AREAS CHECKED	

ORIGINAL SURVEY NO.	SURVEYED	DATE
	PLOTTED	
	TEMPLATE	
	AREAS CHECKED	



VK VEENSTRA & KIMM INC.
Springfield, IL. Phone: (217)544-8033
IL Design Firm No. 184-001939

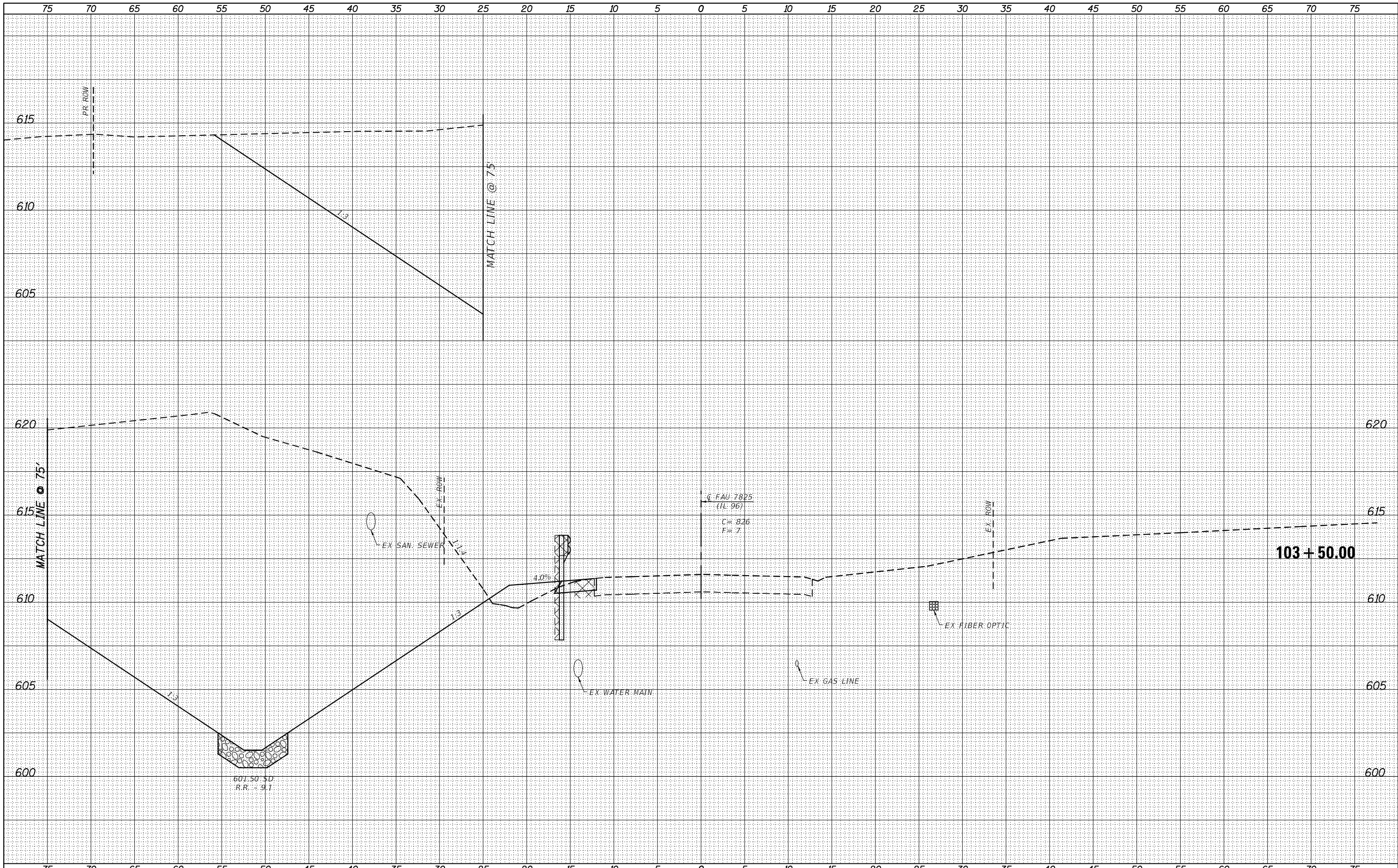
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PLOT SCALE = *SCALE*	CHECKED -	REVISED -
PLOT DATE = 8/17/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE: _____		SHEET NO. 4 OF 15 SHEETS	STA. 103+00.00 TO STA. 103+00.00
F.A.U. RTE. 7825	SECTION (K-15)DC	COUNTY ADAMS	TOTAL SHEETS 75 SHEET NO. 57
FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT			CONTRACT NO. 72F26

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

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



VK VEENSTRA & KIMM INC.
 Springfield, IL. Phone: (217)544-8033
 IL Design Firm No. 184-001939

USER NAME = *USER*	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = *SCALE*	CHECKED -	REVISED -
PLOT DATE = 8/17/2022	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

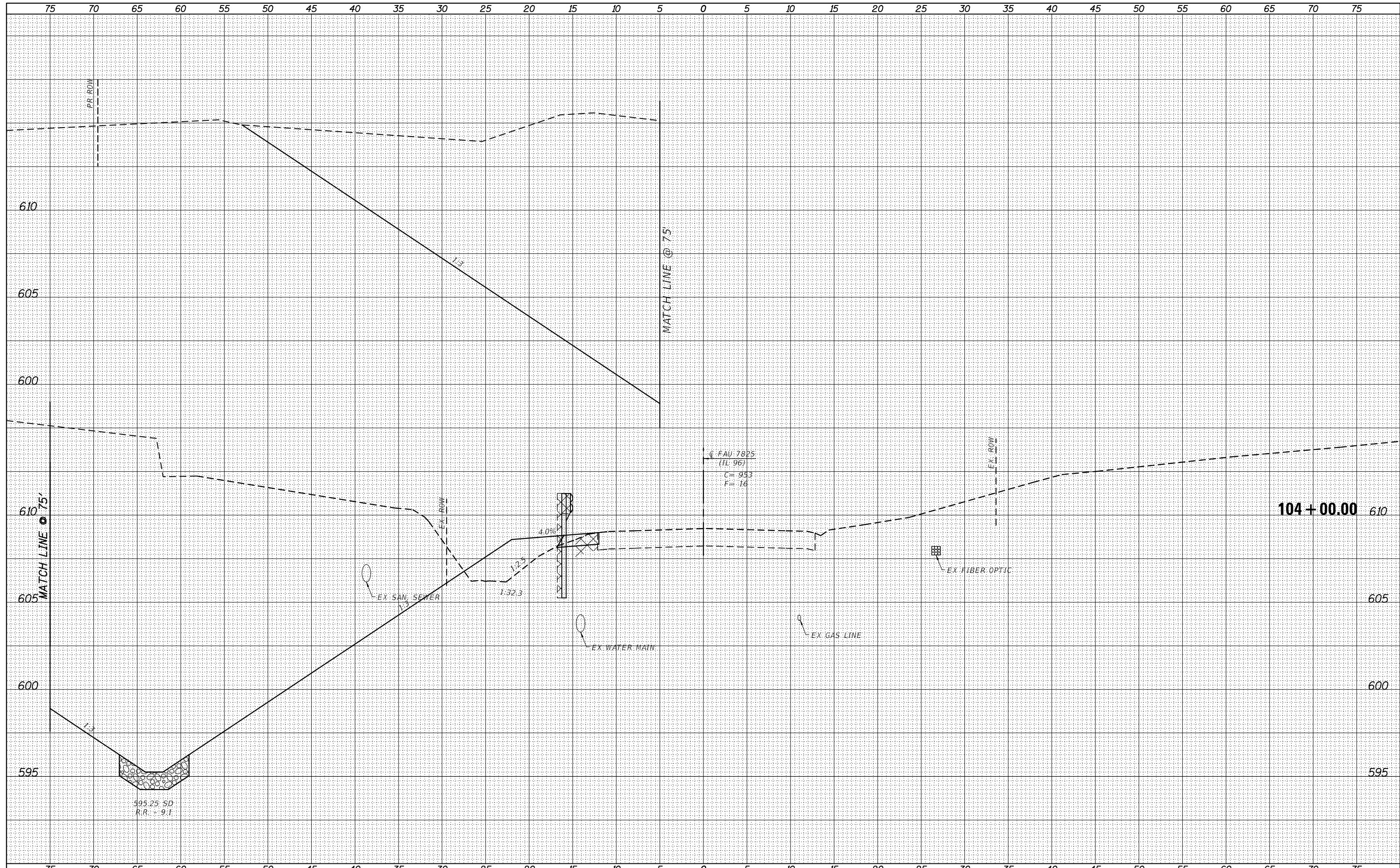
CROSS SECTIONS (IL 96)

SCALE: _____ SHEET NO. 5 OF 15 SHEETS STA. 103+50.00 TO STA. 103+50.00

F.A.U. RTE. 7825	SECTION (K-15DC)	COUNTY ADAMS	TOTAL SHEETS 75	SHEET NO. 58
CONTRACT NO. 72F26				
FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT				

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

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



VK VEENSTRA & KIMM INC.
 Springfield, IL. Phone: (217)544-8033
 IL Design Firm No. 184-001939

USER NAME = *USER*	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = *SCALE*	CHECKED -	REVISED -
PLOT DATE = 8/17/2022	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

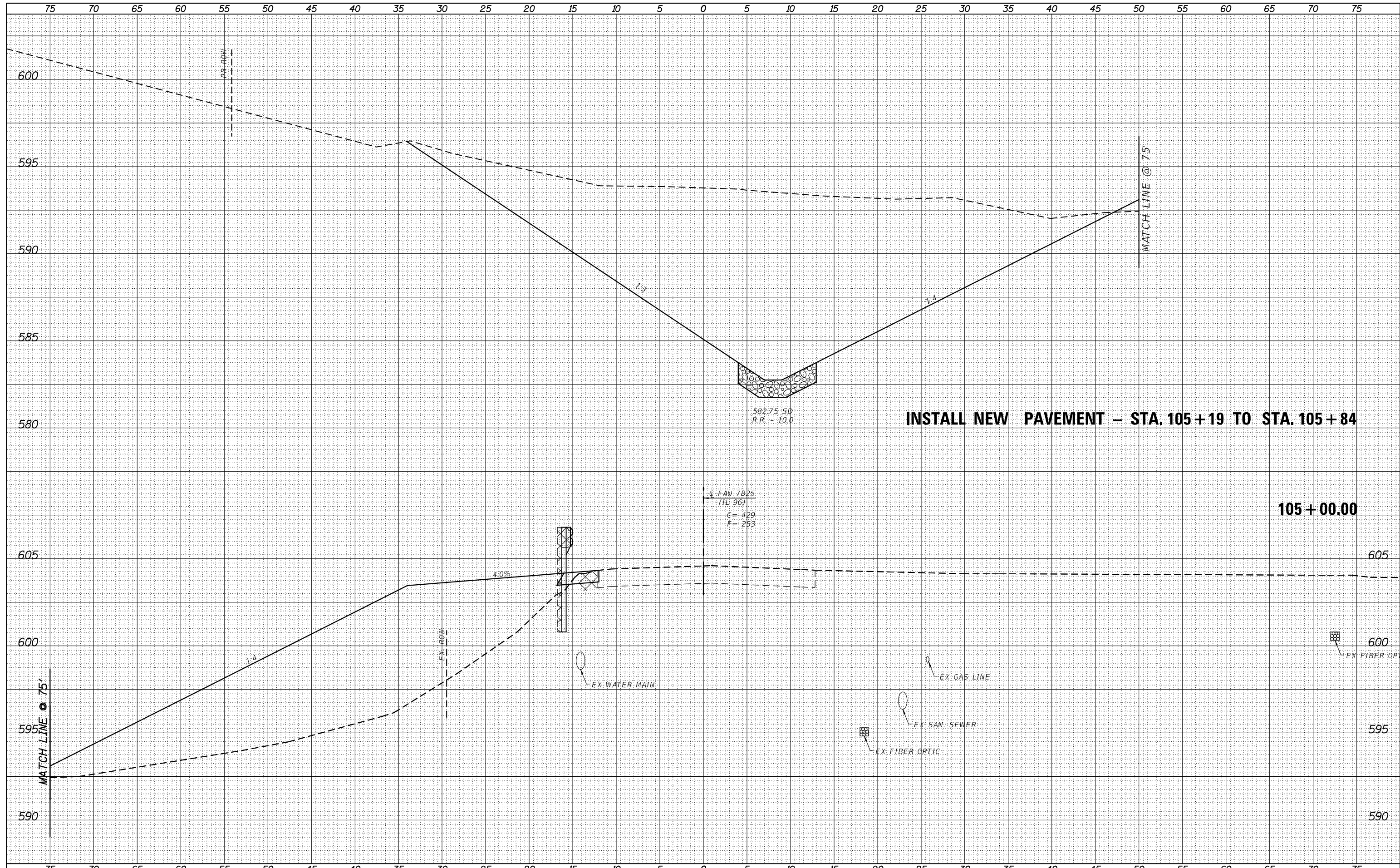
CROSS SECTIONS (IL 96)

SCALE: _____ SHEET NO. 6 OF 15 SHEETS STA. 104+00.00 TO STA. 104+00.00

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7825	(K-15)DC	ADAMS	75	59
CONTRACT NO. 72F26				
FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT				

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

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



INSTALL NEW PAVEMENT - STA. 105+19 TO STA. 105+84

105+00.00

VEENSTRA & KIMM INC.
Springfield, IL. Phone: (217)544-8033
IL. Design Firm No. 184-001939

USER NAME = *USER*	DESIGNED -	REVISED -
PLOT SCALE = *SCALE*	DRAWN -	REVISED -
PLOT DATE = 8/17/2022	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

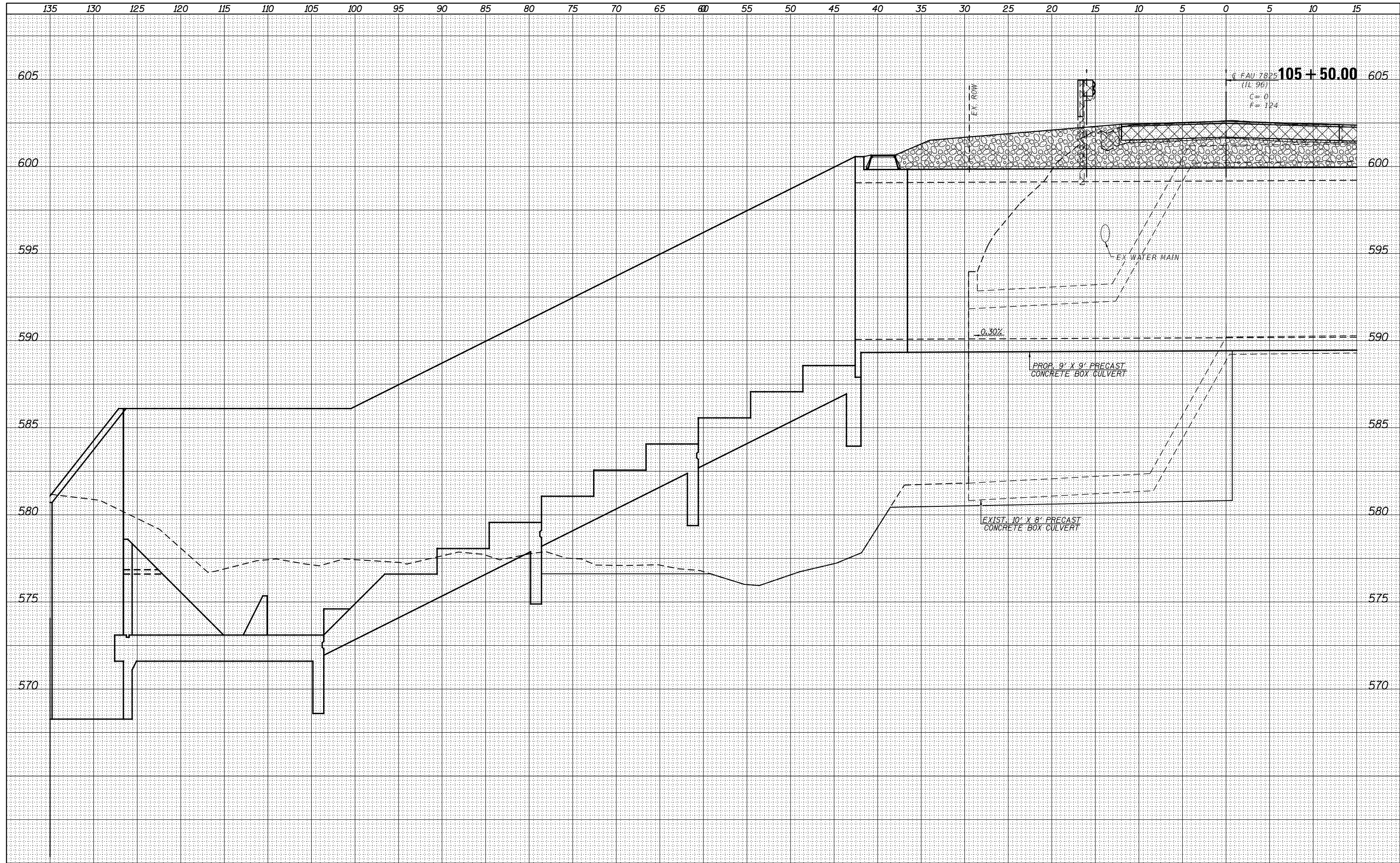
CROSS SECTIONS (IL 96)

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 72F26				
FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT				

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	



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Springfield, IL. Phone: (217)544-8033
IL. Design Firm No. 184-001939

USER NAME = *USER*	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = *SCALE*	CHECKED -	REVISED -
PLOT DATE = 8/17/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

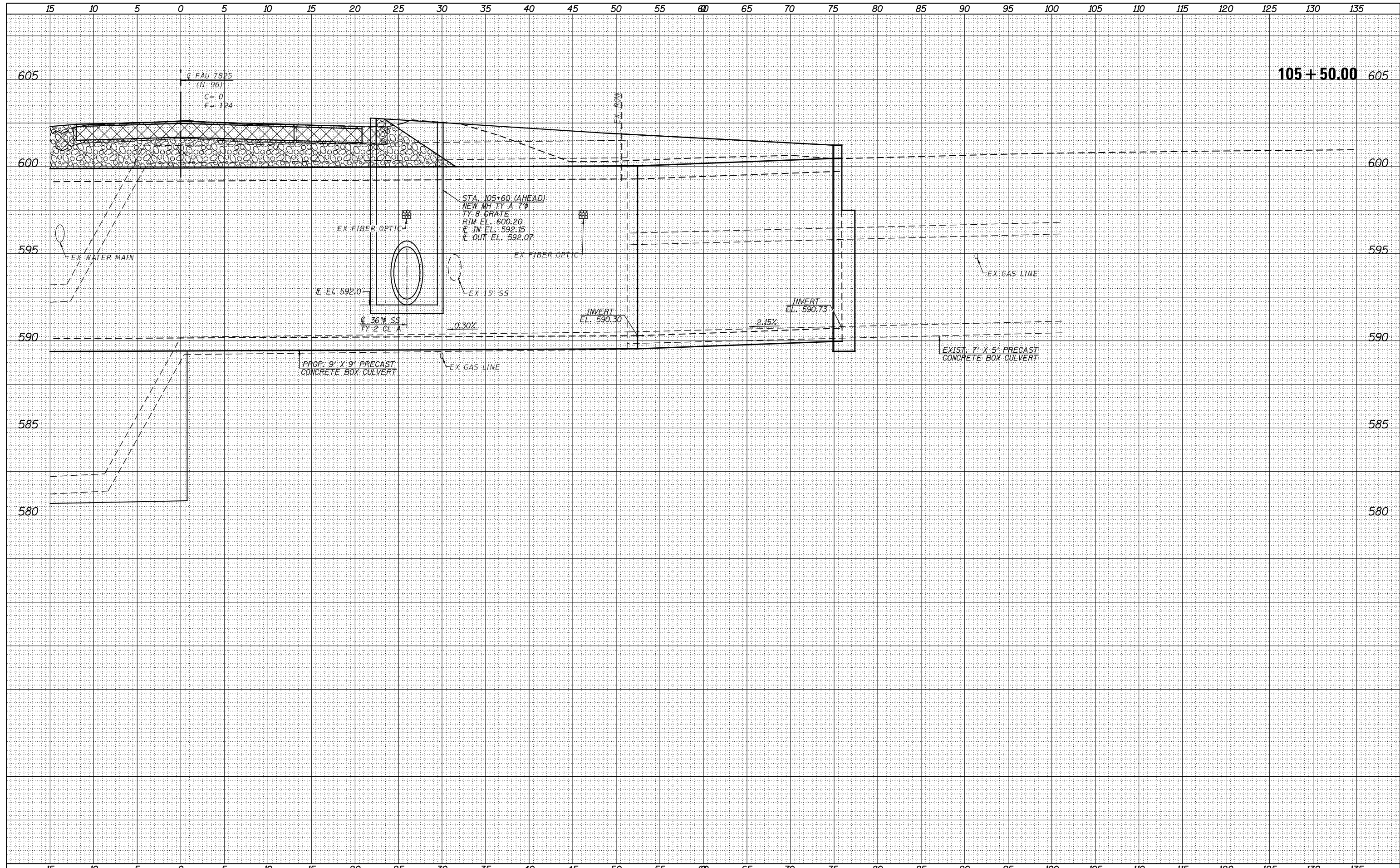
CROSS SECTIONS (IL 96)

SCALE: _____ SHEET NO. 9 OF 15 SHEETS STA. 105+50.00 TO STA. 105+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7825	(K-15)DC	ADAMS	75	63
CONTRACT NO. 72F26				
FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT				

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

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



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USER NAME = *USER*	DESIGNED -	REVISED -
PLOT SCALE = *SCALE*	DRAWN -	REVISED -
PLOT DATE = 8/17/2022	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

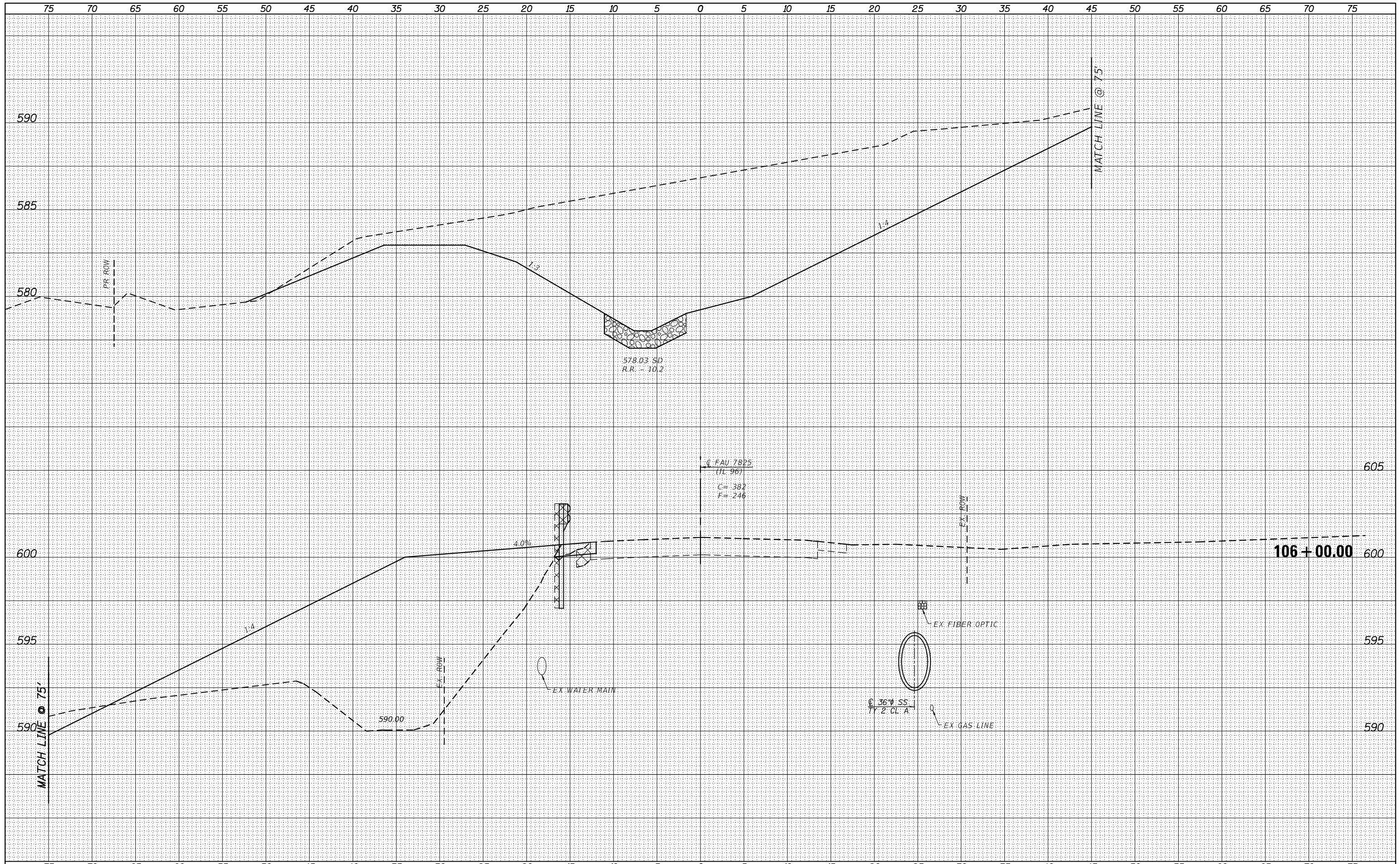
CROSS SECTIONS (IL 96)

SCALE: _____ SHEET NO. 10 OF 15 SHEETS STA. 105+50.00 TO STA. 105+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7825	(K-15)DC	ADAMS	75	64
CONTRACT NO. 72F26				
FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT				

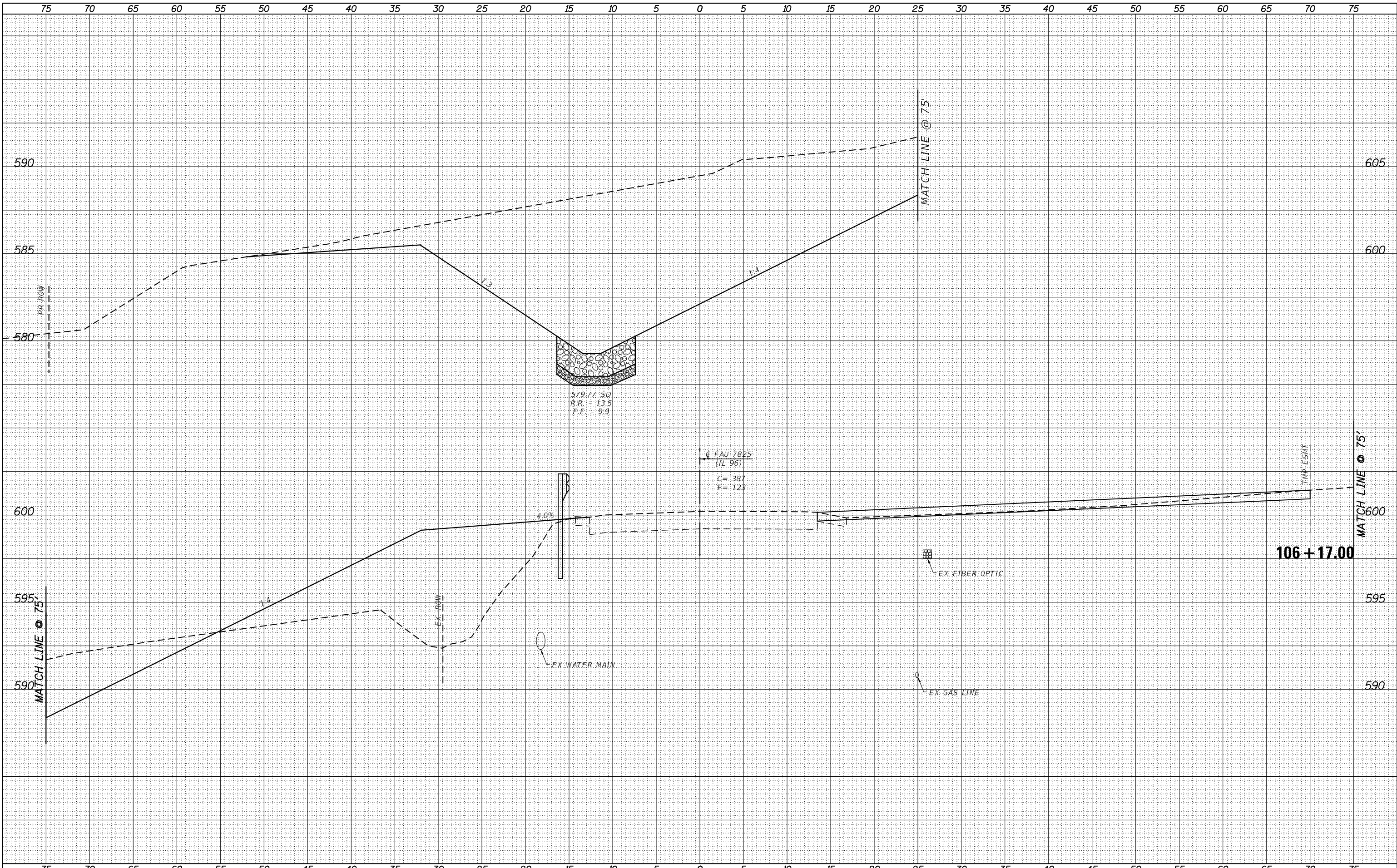
DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	TEMPLATED
AREAS CHECKED	AREAS CHECKED

DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	TEMPLATED
AREAS CHECKED	AREAS CHECKED



DATE	BY

DATE	BY



DATE	BY

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 IL Design Firm No. 184-001939

USER NAME = *USER*	DESIGNED -	REVISED -
PLOT SCALE = *SCALE*	DRAWN -	REVISED -
PLOT DATE = 8/17/2022	CHECKED -	REVISED -
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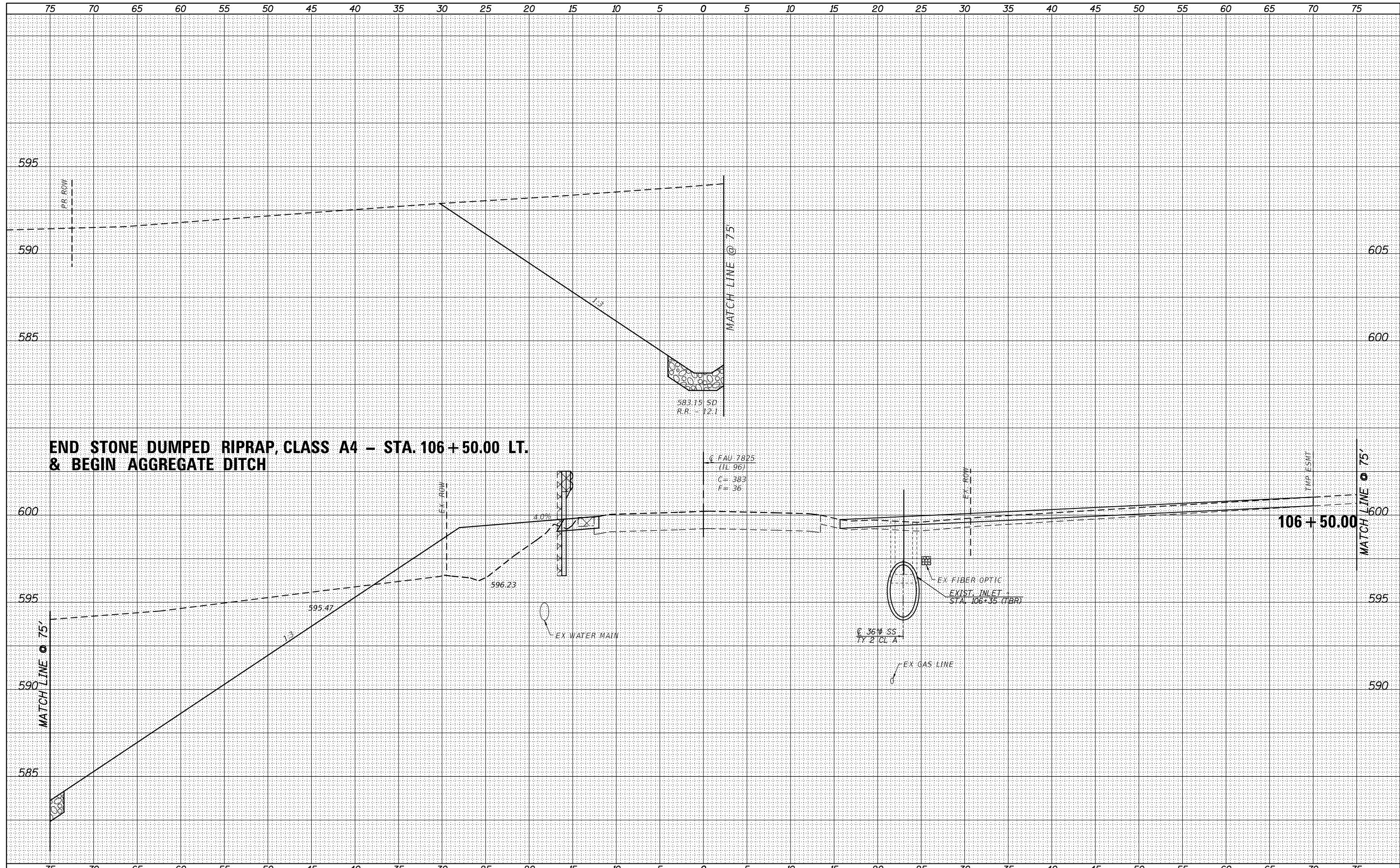
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS (IL 96)
 SCALE: _____ SHEET NO. 13 OF 15 SHEETS STA. 106+17.00 TO STA. 106+17.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7825	(K-15)DC	ADAMS	75	66
CONTRACT NO. 72F26				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				

BY	DATE
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

BY	DATE
ORIGINAL SURVEY	
NOTE BOOK	
AREAS	
CHECKED	
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IL Design Firm No. 184-001939

USER NAME = *USER*	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = *SCALE*	CHECKED -	REVISED -
PLOT DATE = 8/17/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

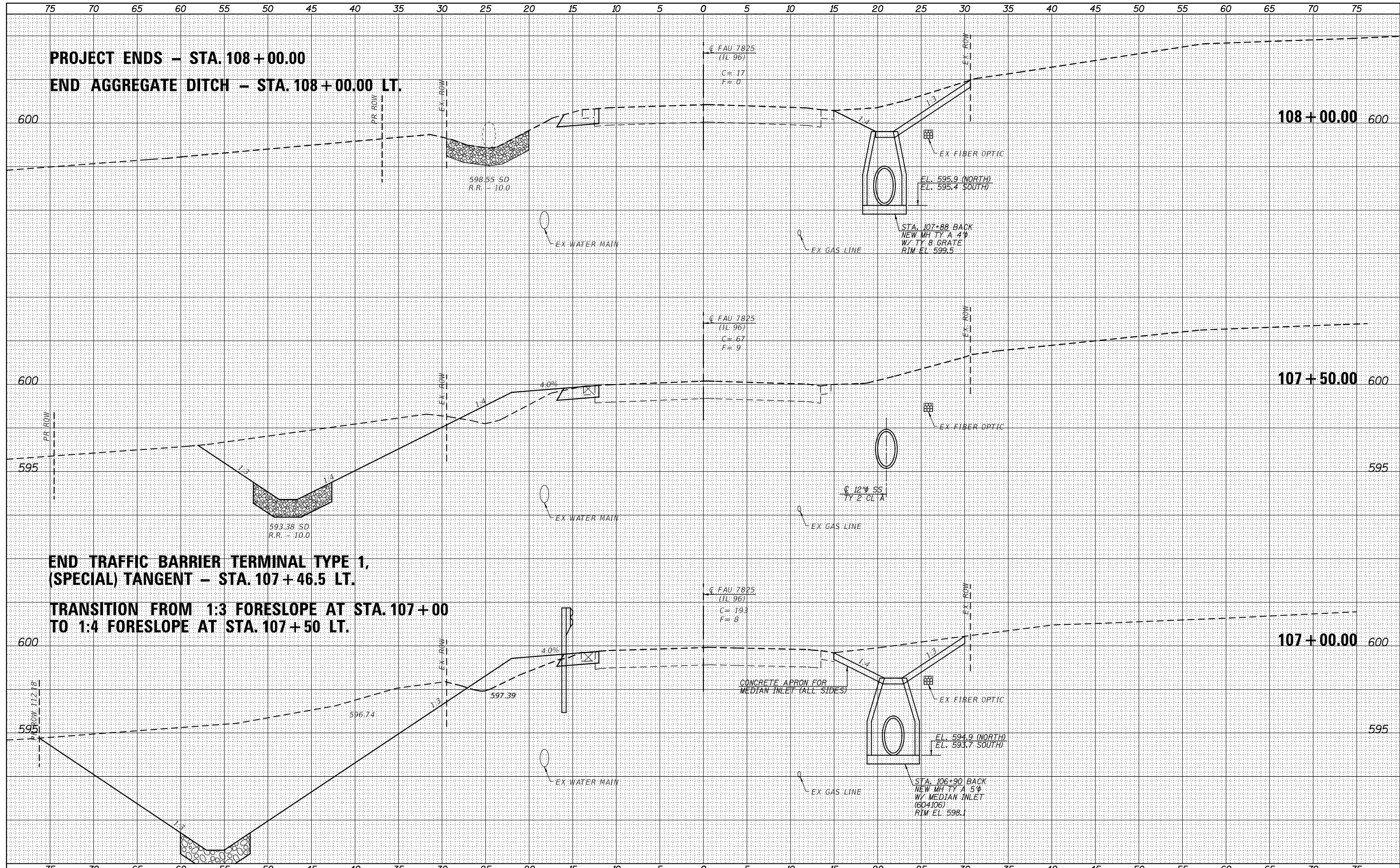
CROSS SECTIONS (IL 96)

SCALE: _____ SHEET NO. 14 OF 15 SHEETS STA. 106+50.00 TO STA. 106+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7825	(K-15)DC	ADAMS	75	67
CONTRACT NO. 72F26				
FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT				

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

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



PROJECT ENDS - STA. 108+00.00
END AGGREGATE DITCH - STA. 108+00.00 LT.

**END TRAFFIC BARRIER TERMINAL TYPE 1,
(SPECIAL) TANGENT - STA. 107+46.5 LT.**
**TRANSITION FROM 1:3 FORESLOPE AT STA. 107+00
TO 1:4 FORESLOPE AT STA. 107+50 LT.**

VK VEENSTRA & KIMM INC.
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USER NAME = *USER*	DESIGNED -	REVISED -
PLOT SCALE = *SCALE*	DRAWN -	REVISED -
PLOT DATE = 8/17/2022	CHECKED -	REVISED -
	DATE -	REVISED -

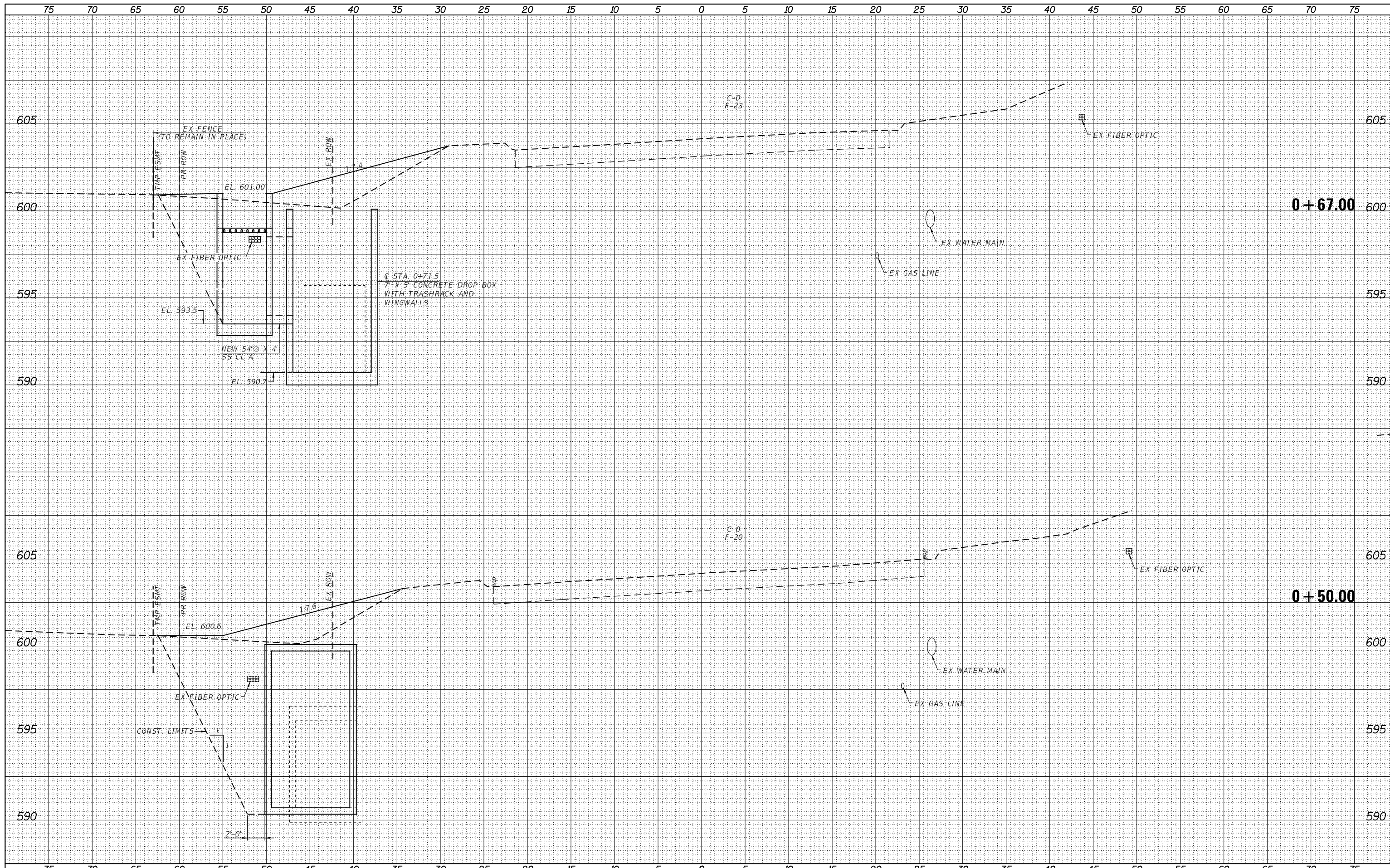
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS (IL 96)	
SCALE: _____	SHEET NO. 15 OF 15 SHEETS
STA. 107+00.00 TO STA. 108+00.00	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7825	(K-15)DC	ADAMS	75	68
CONTRACT NO. 72F26				
FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT				

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

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



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USER NAME = *USER*	DESIGNED -	REVISED -
PLOT SCALE = *SCALE*	DRAWN -	REVISED -
PLOT DATE = 8/17/2022	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

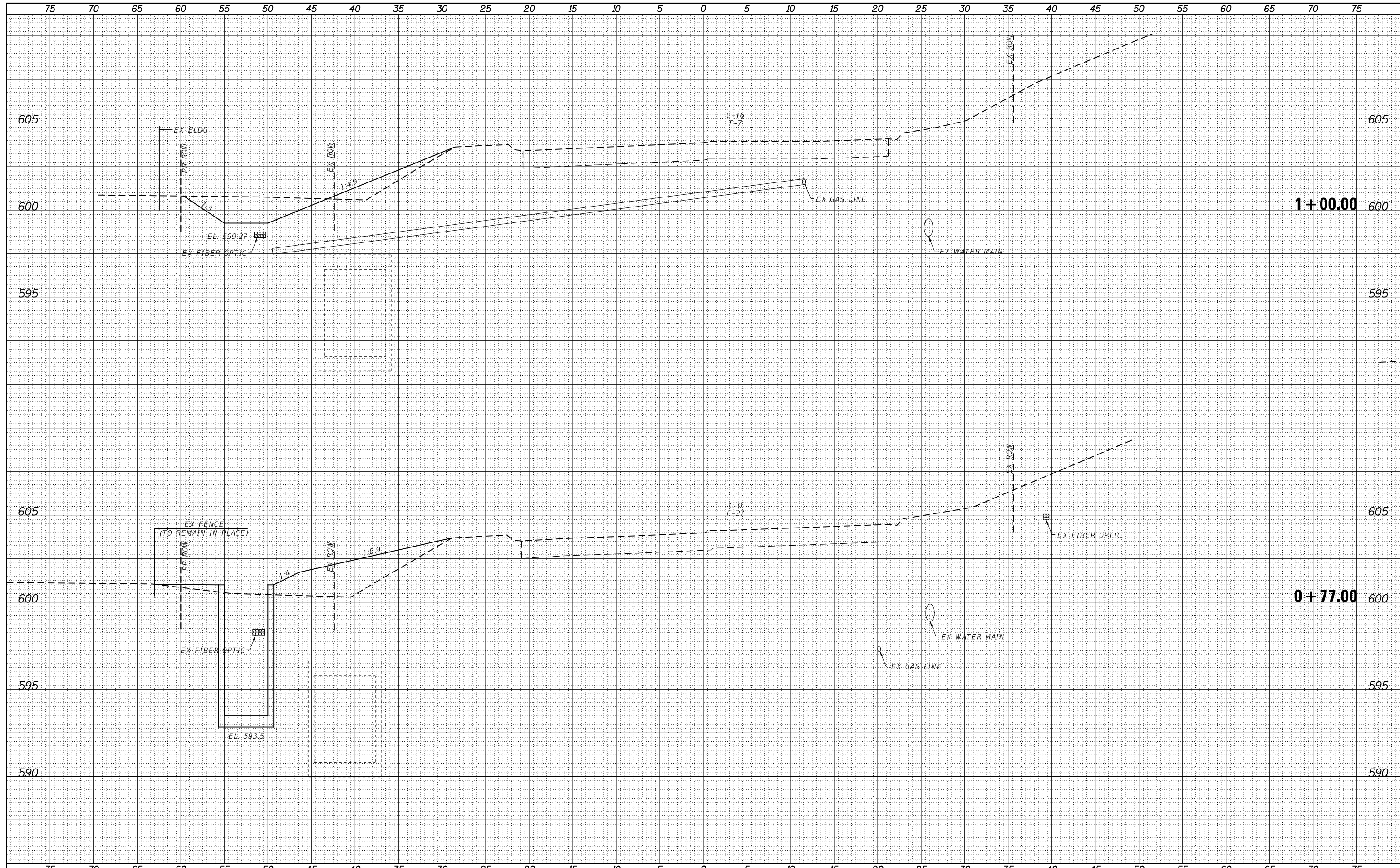
**CROSS SECTIONS
 (ELLINGTON ROAD)**

SCALE: SHEET NO. 1 OF 5 SHEETS STA. 0+50.00 TO STA. 0+67.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7825	(K-15)DC	ADAMS	75	69
CONTRACT NO. 72F26				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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

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



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USER NAME = *USER*	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = *SCALE*	CHECKED -	REVISED -
PLOT DATE = 8/17/2022	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

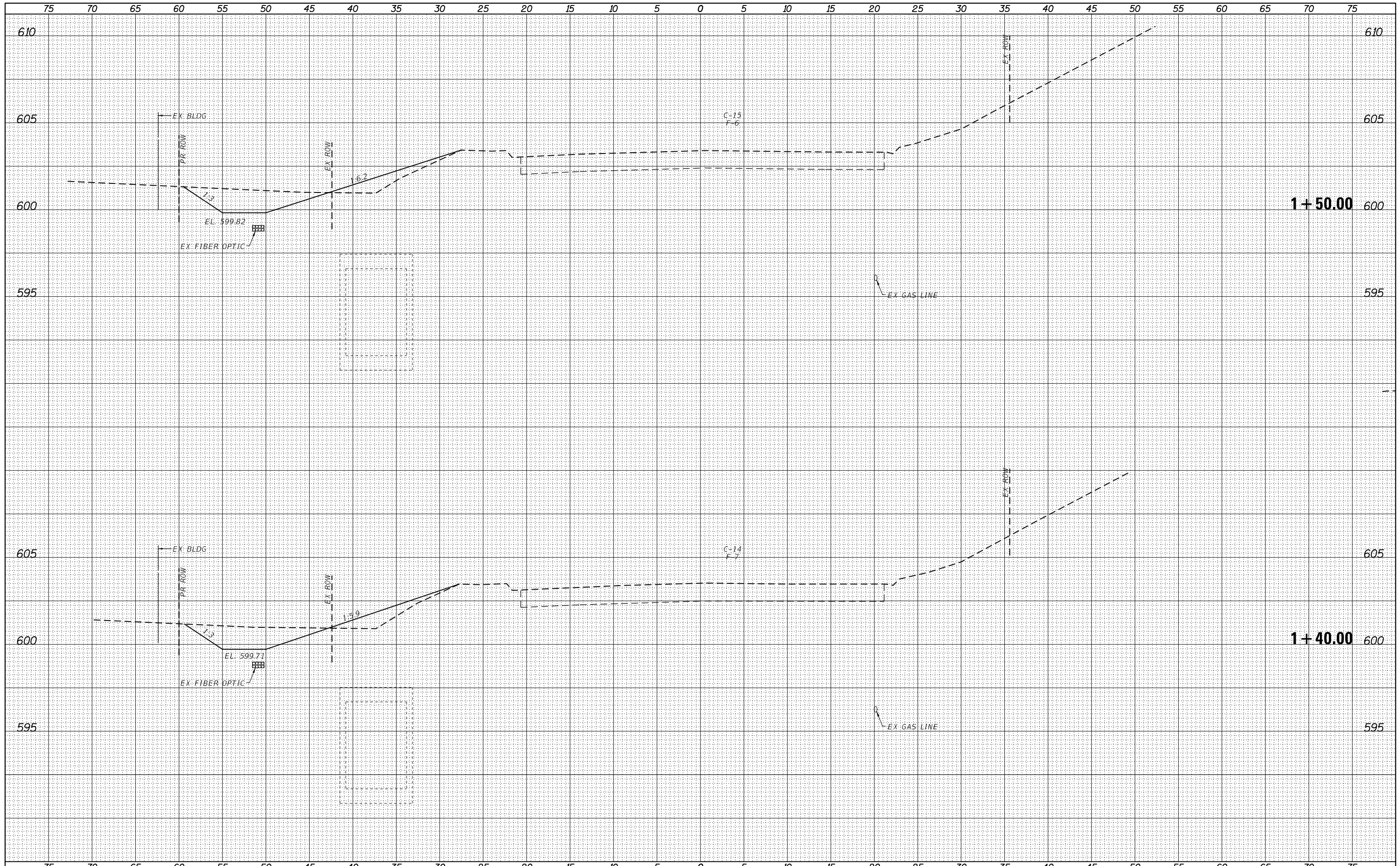
**CROSS SECTIONS
 (ELLINGTON ROAD)**

SCALE: SHEET NO. 2 OF 4 SHEETS STA. 0+77.00 TO STA. 1+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7825	(K-15)DC	ADAMS	75	70
FED. ROAD DIST. NO.				ILLINOIS FED. AID PROJECT
CONTRACT NO. 72F26				

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

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



USER NAME = *USER*	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = *SCALE*	CHECKED -	REVISED -
PLOT DATE = 8/17/2022	DATE -	REVISED -

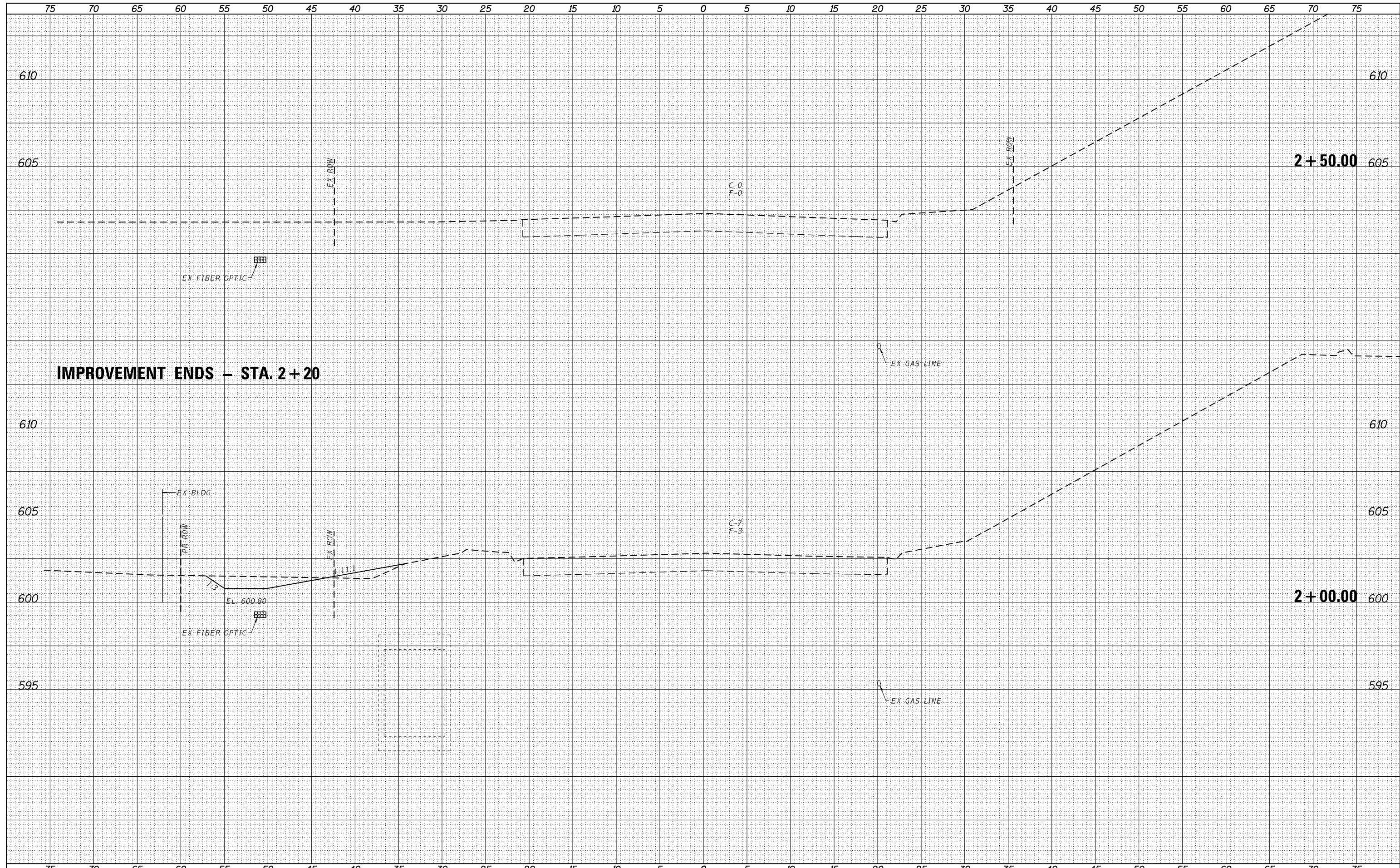
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
(ELLINGTON ROAD)**
SCALE: SHEET NO. 3 OF 4 SHEETS STA. 1+40.00 TO STA. 1+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7825	(K-15)DC	ADAMS	75	71
CONTRACT NO. 72F26				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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

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



IMPROVEMENT ENDS - STA. 2+20

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USER NAME = *USER*	DESIGNED -	REVISED -
PLOT SCALE = *SCALE*	DRAWN -	REVISED -
PLOT DATE = 8/17/2022	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SCALE:	SHEET NO. 4 OF 4 SHEETS	STA. 2+00.00 TO STA. 2+50.00
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**CROSS SECTIONS
 (ELLINGTON ROAD)**



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7825	(K-15)DC	ADAMS	75	72
CONTRACT NO. 72F26				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

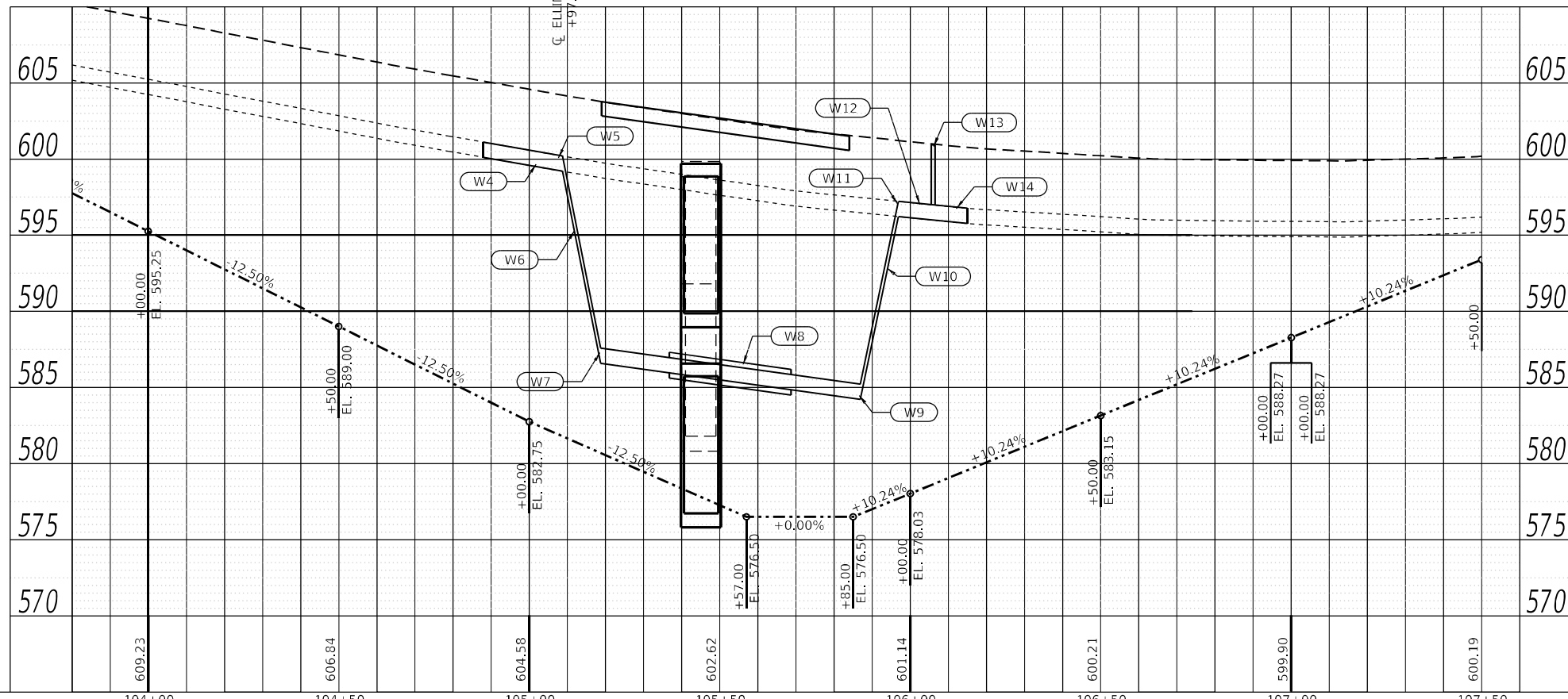
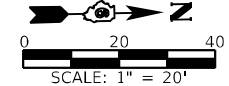
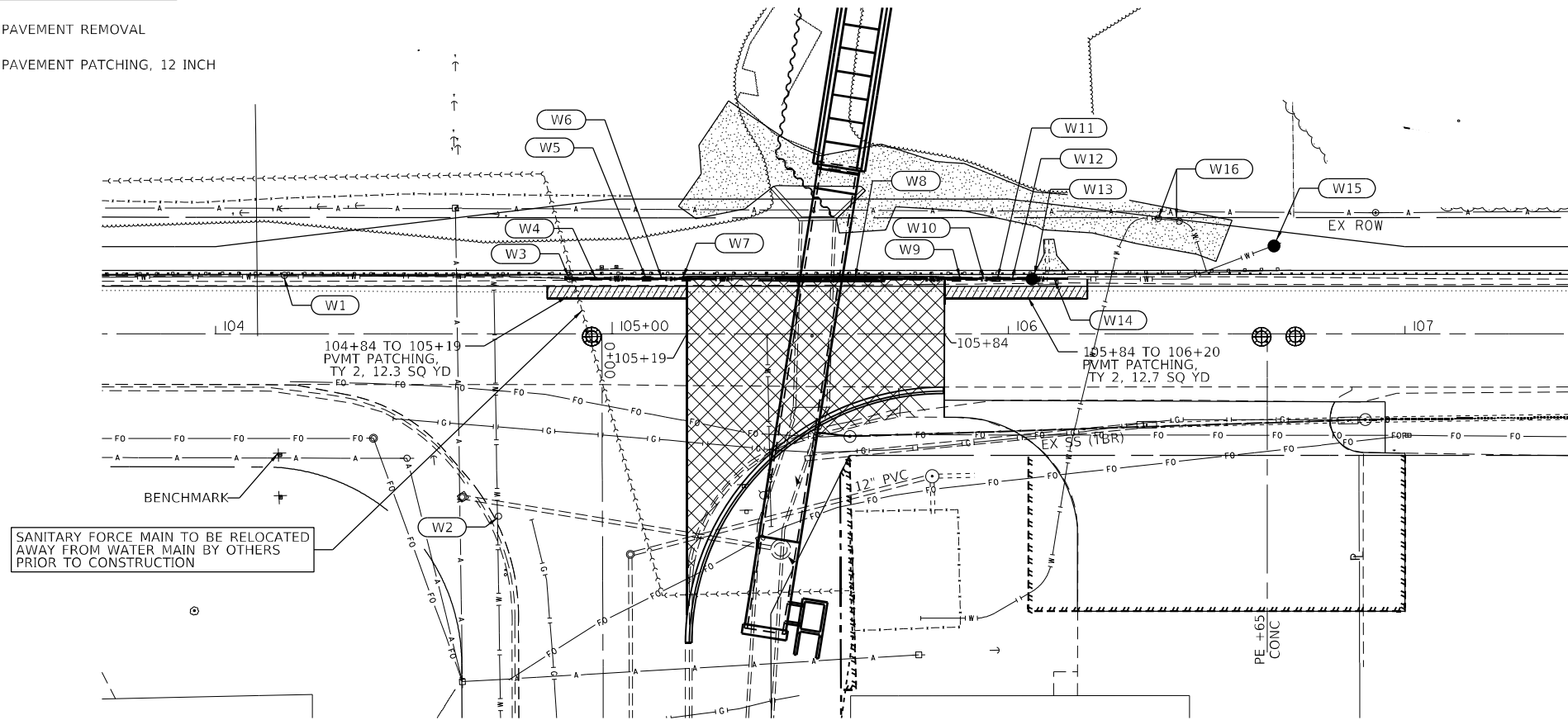
WATER MAIN KEYNOTES

- W1 - STA 104+17 15' LT
WATER VALVES TO BE ADJUSTED, 1 EACH
(CLOSE VALVE DURING WATER MAIN CONSTRUCTION)
- W2 - STA 104+71 46' RT
EX WATER VALVE
(CLOSE VALVE DURING WATER MAIN CONSTRUCTION)
- W3 - STA 104+89 15' LT
(BEGIN WATER MAIN REMOVAL, 12")
WATER MAIN REMOVAL, 12", 181 FT
(REMOVAL OF WATER VALVE INCLUDED
IN THE UNIT COST OF THE PAY ITEM
FOR "WATER MAIN REMOVAL, 12")
- W4 - STA 104+88 TO STA 105+09 14' LT
WATER MAIN 12", 21 FT
(CONNECTION TO EXISTING WATER MAIN
INCLUDED IN THE COST OF THE PAY ITEM)
TRENCH BACKFILL, 7 CU YD
- W5 - STA 105+09 14' LT
DUCTILE IRON WATER MAIN FITTINGS 12" 45 DEGREE BEND, 1 EACH
- W6 - STA 105+09 TO STA 105+19 14' LT
WATER MAIN 12", 14 FT
TRENCH BACKFILL, 15 CU YD
- W7 - STA 105+19 14' LT
DUCTILE IRON WATER MAIN FITTINGS 12" 45 DEGREE BEND, 1 EACH
- W8 - STA 105+19 TO STA 105+87 14' LT
WATER MAIN 12", 68 FT
STEEL CASINGS 20", 32 FT
(CENTERED ON PROPOSED BOX CULVERT)
TRENCH BACKFILL, 129 CU YD
- W9 - STA 105+87 14' LT
DUCTILE IRON WATER MAIN FITTINGS 12" 45 DEGREE BEND, 1 EACH
- W10 - STA 105+87 TO STA 105+97 14' LT
WATER MAIN 12", 14 FT
TRENCH BACKFILL, 15 CU YD
- W11 - STA 105+97 14' LT
DUCTILE IRON WATER MAIN FITTINGS 12" 45 DEGREE BEND, 1 EACH
- W12 - STA 105+97 TO STA 106+06 14' LT
WATER MAIN 12", 9 FT
TRENCH BACKFILL, 3 CU YD
- W13 - STA 106+06 14' LT
WATER VALVES 12", 1 EACH
- W14 - STA 106+06 TO STA 106+15 14' LT
WATER MAIN 12", 9 FT
(CONNECTION TO EXISTING WATER MAIN
INCLUDED IN THE COST OF THE PAY ITEM)
TRENCH BACKFILL, 4 CU YD
(END WATER MAIN REMOVAL, 12")
- W15 - ± STA 106+65 LT
WATER MAIN LINE STOP 12", 1 EACH
(LOCATED NORTH OF SERVICE, OUTSIDE OF PAVED SHOULDER)
TRENCH BACKFILL, 3 CU YD
- W16 - STA 106+40 LT
WATER SERVICE REMOVAL, 1 EACH
(CURB STOP & MTER PIT TO BE REMOVED)

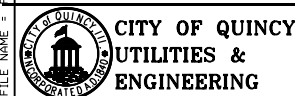
NOTE:
ALL WATER MAIN SHALL HAVE RESTRAINED JOINTS
WITH RETAINER GLANDS.

LEGEND

-  - PAVEMENT REMOVAL
-  - PAVEMENT PATCHING, 12 INCH



FILE NAME = F:\PROJECT FILES\W1028 N24th Ellington_WF Relec_CAD Drawings\Water_Plan_001.dgn



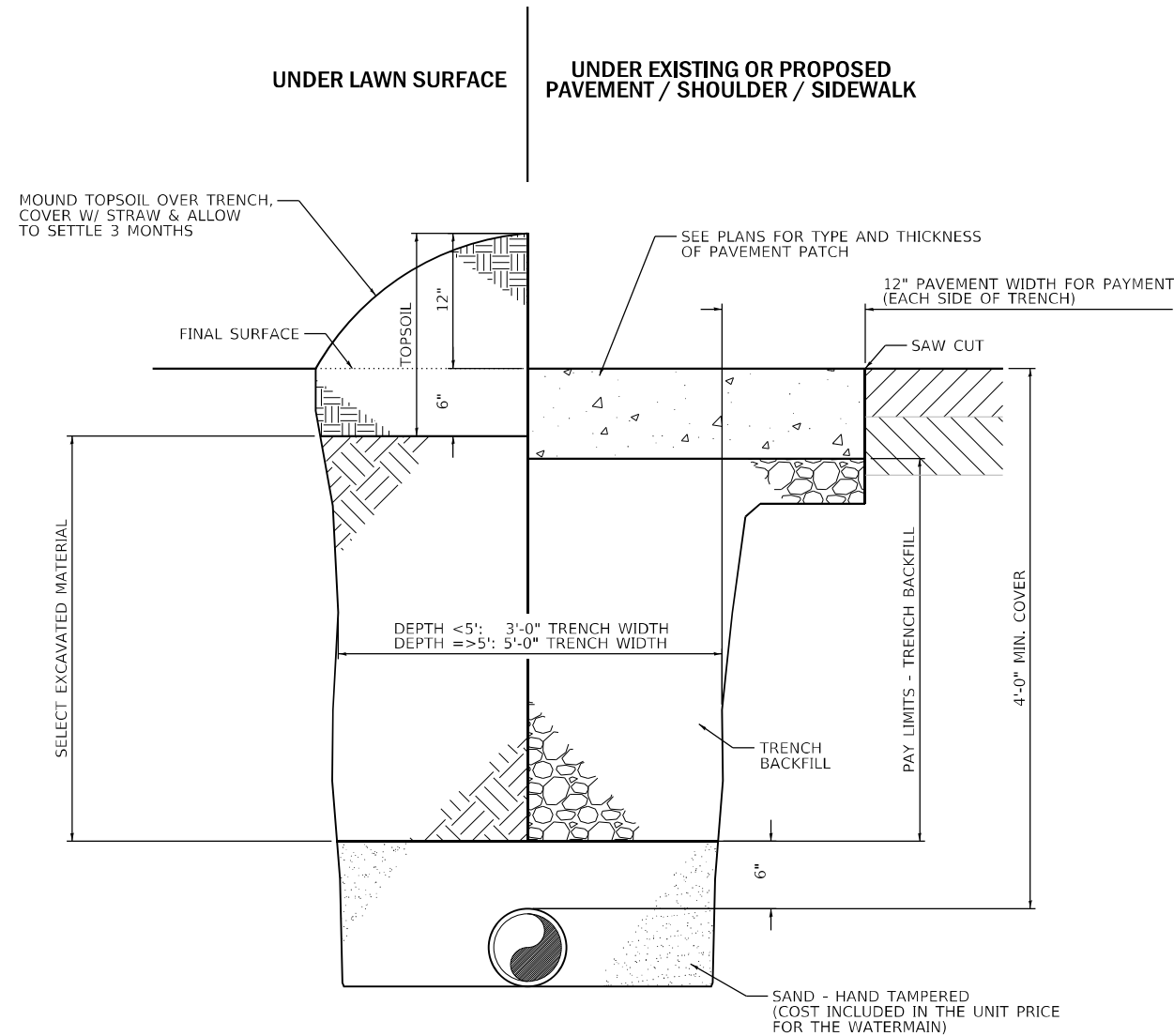
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PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE =	DRAWN -	REVISED -
	CHECKED -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**WATER MAIN PLAN & PROFILE
(IL 96)**

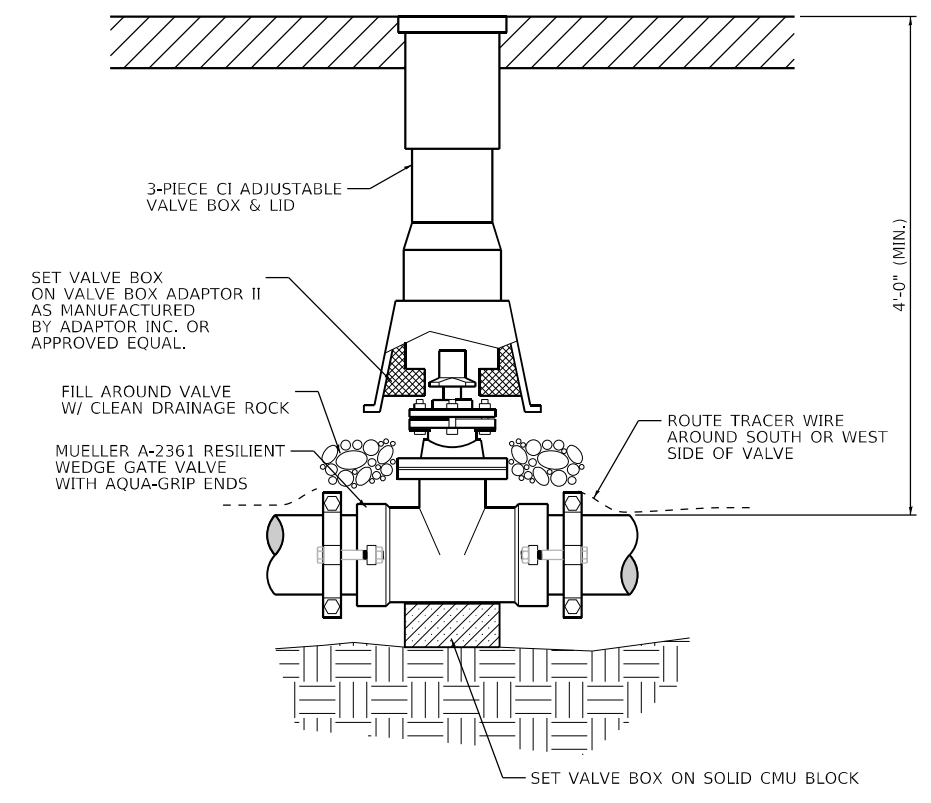
SCALE: 1" = 20' SHEET NO. 1 OF 1 SHEETS STA. 102+00.00 TO STA. 107+10.00

F.A.U. RTE. 7825	SECTION (K-15)DC	COUNTY ADAMS	TOTAL SHEETS 75	SHEET NO. 73
CONTRACT NO. 72F26			ILLINOIS FED. AID PROJECT	



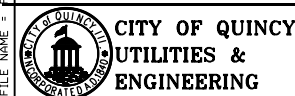
TYPICAL WATER MAIN TRENCH DETAIL
NOT TO SCALE

TRENCH BACKFILL PLAN QUANTITIES FOR WATER MAIN BASED ON AN ASSUMED DEPTH OF 4'-6" FROM THE FINISHED GRADE.



WATER VALVE INSTALLATION DETAIL
NOT TO SCALE

FILE NAME = F:\PROJECT FILES\WJ28 N24th Ellington_Wf Relec\CAD Drawings\Water_Plan_001.dgn

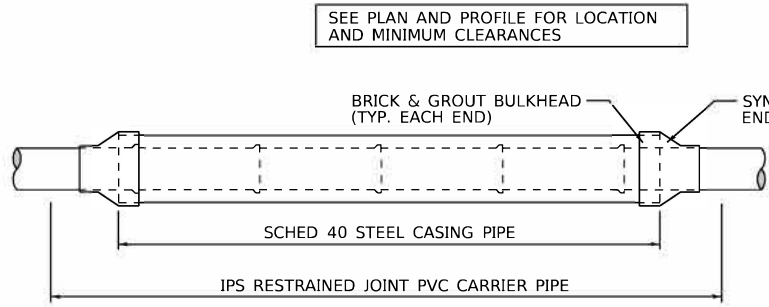


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PLOT DATE =	CHECKED -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

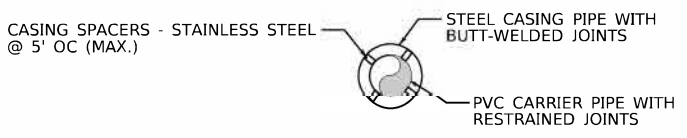
**WATER MAIN
DETAILS**
SCALE: None SHEET NO. 1 OF 2 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7825	(K-15DJC)	ADAMS	75	74
CONTRACT NO. 72F26				
ILLINOIS FED. AID PROJECT				



PROFILE VIEW

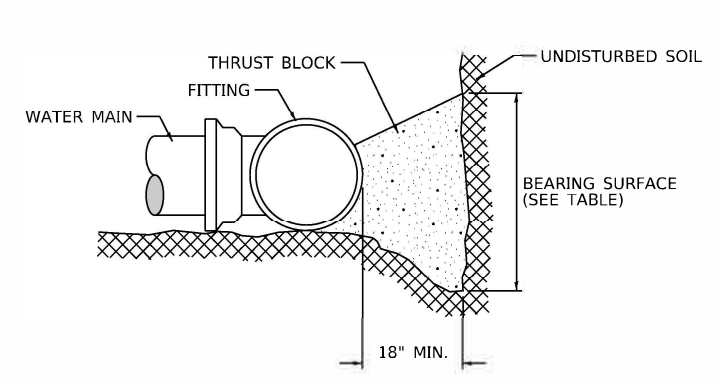
CARRIER PIPE Ø	MINIMUM CASING PIPE Ø
4"	10"
6"	12"
8"	16"
10"	18"
12"	20"
14"	26"
16"	30"
18"	32"
20"	34"
24"	38"



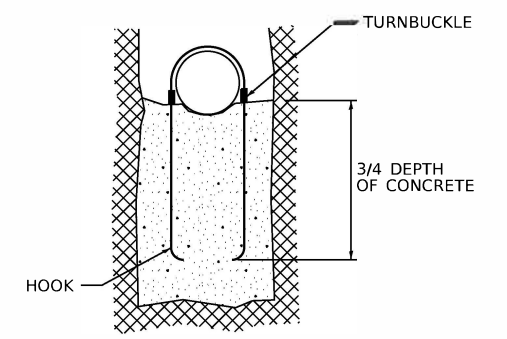
SECTION VIEW

TYPICAL WATER MAIN CASING DETAIL

NOT TO SCALE



TYPICAL SECTION



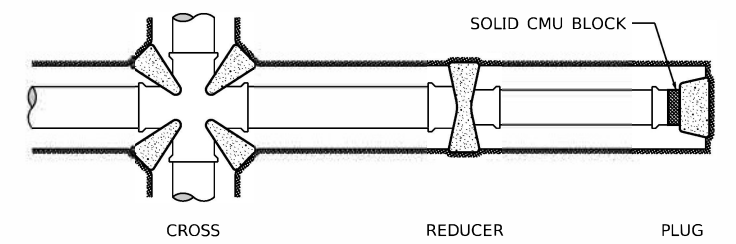
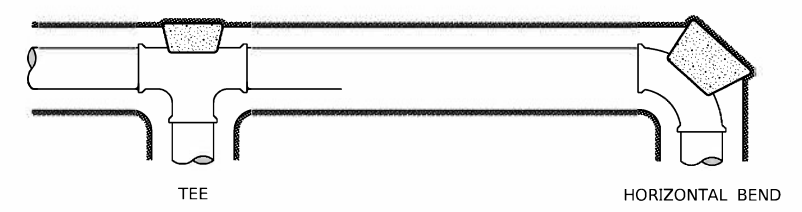
SECTION A-A

MINIMUM BEARING SURFACE REQUIRED (SQ. FT.)

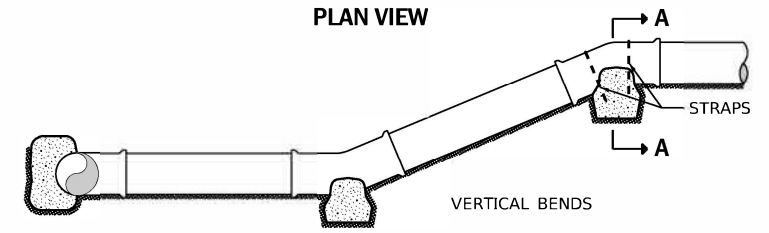
Diameter of Pipe, D (inches)	Bends				Tees and Dead Ends
	11 1/4	22 1/2	45	90	
4	1	1	2	4	3
6	1	2	4	8	6
8	2	4	7	14	10
10	3	6	11	21	15
12	4	8	16	29	21
14	5	11	21	39	28
16	7	14	27	50	36
18	9	17	34	63	45
20	11	21	42	78	55
24	15	31	60	111	78
30	24	47	92	171	120
36	34	67	132	244	173

Minimum surface area based on water pressure of 150 psi and allowable soil pressure of 1,000 psf.

1. CONCRETE SHALL BE CLASS SI.
2. DESIGN TEST PRESSURE = 100 PSI + 50% FOR IMPACT.
3. DESIGN SOIL BEARING CAPACITY = 1000 PSF.
4. CONCRETE FOR THRUST BLOCKS BASED ON SOIL HAVING A SAFE LOAD BEARING OF 1000 PSF. FOR SOFT SOIL, INCREASE BEARING AREA AND VOLUME OF THRUST BLOCK.
5. COST OF THE THRUST BLOCK TO BE INCLUDED IN THE UNIT PRICE FOR WATER MAIN OF THE TYPE AND SIZE SPECIFIED.
6. ENCASE ALL FITTINGS IN POLYETHYLENE WRAP. DO NOT ALLOW CONCRETE TO DIRECTLY CONTACT JOINTS OR FITTING BOLTS.



PLAN VIEW



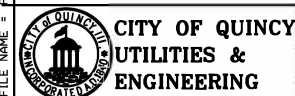
PROFILE VIEW

THRUST BLOCKS

NOT TO SCALE

REV. - MS

FILE NAME = F:\PROJECT FILES\MU028 N24th Ellington WM Relec\CAD Drawings\Water_Plan_001.dgn



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PLOT SCALE =	DRAWN -	REVISED -
PLOT DATE =	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WATER MAIN
DETAILS

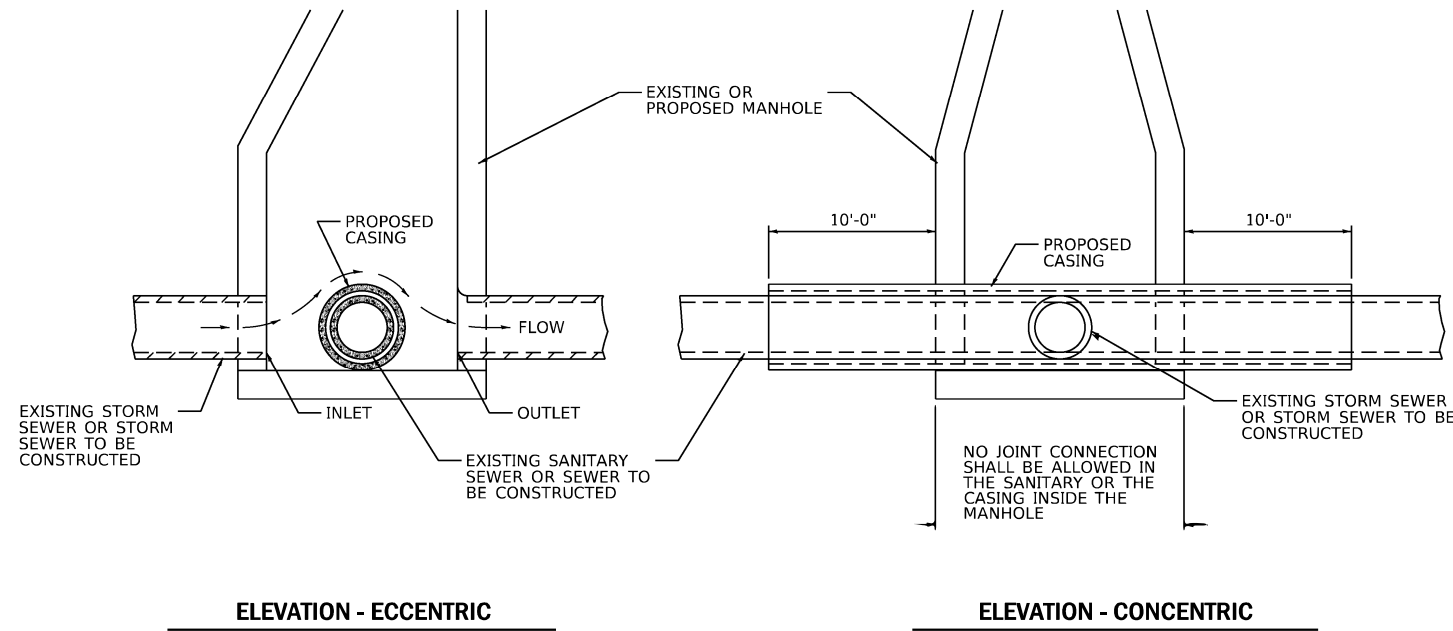
SCALE: None SHEET NO. 2 OF 2 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7825	(K-15DJC)	ADAMS	75	75
CONTRACT NO. 72F26				

ILLINOIS FED. AID PROJECT

SEWER AND WATER MAIN CROSSINGS

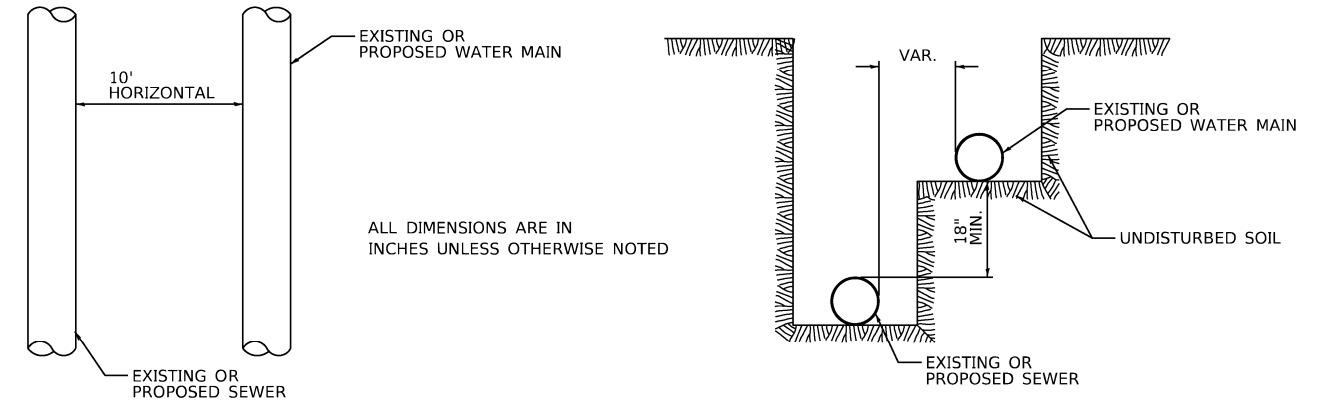
THIS DETAIL IS FOR UNKNOWN UTILITIES UNLESS QUANTITIES ARE INCLUDED IN THE PLANS THE EXTRA WORK WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04.



AT GRADE CROSSING OF SANITARY AND STORM SEWER

WHEN PROPOSED SEWER (OR WATER) IS LOCATED 10'-0" OR MORE FROM EXISTING WATER (OR SEWER) NO SPECIAL CONSTRUCTION REQUIRED.

WHEN PROPOSED SEWER (OR WATER) IS LOCATED LESS THAN 10'-0" FROM EXISTING WATER (OR SEWER) DETAILS BELOW SHALL APPLY.



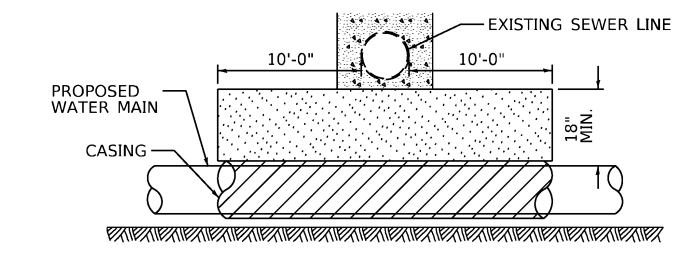
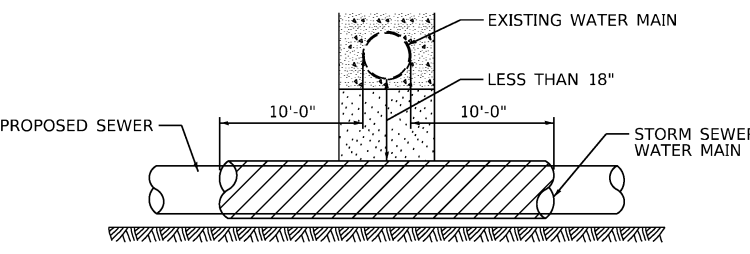
WATER AND SEWER HORIZONTAL SEPARATION REQUIREMENTS

CASING SHALL BE CAST IRON WITH AN INSIDE DIAMETER 2" LARGER IN DIAMETER THAN ENCASED PIPE OUTSIDE DIAMETER WITH BOTH ENDS OF CASING SEALED

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED

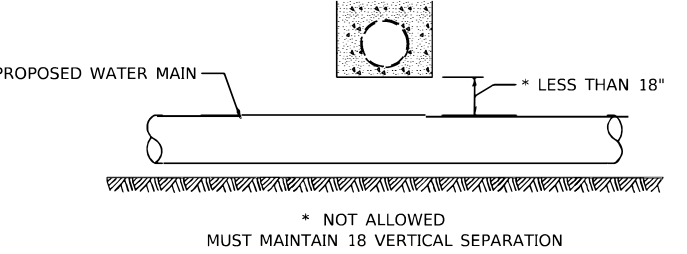
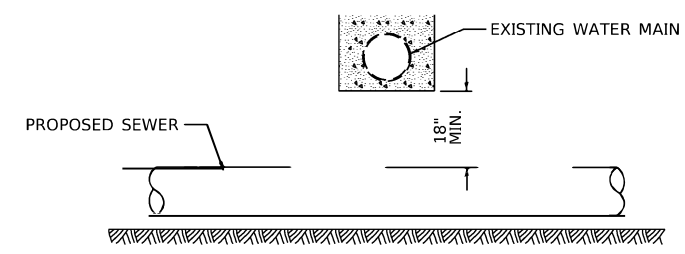
POINT LOADS SHALL NOT BE ALLOWED BETWEEN SEWER OR SEWER CASING AND WATER MAIN
PROVIDE ADEQUATE SUPPORT FOR EXISTING WATER MAIN TO PREVENT DAMAGE DUE TO SETTLEMENT OF SEWER TRENCH

PROVIDE ADEQUATE SUPPORT FOR EXISTING SEWER LINE TO PREVENT DAMAGE DUE TO SETTLEMENT
PLACE TRENCH BACKFILL FOR 10 FT. ON EITHER SIDE OF SEWER LINE

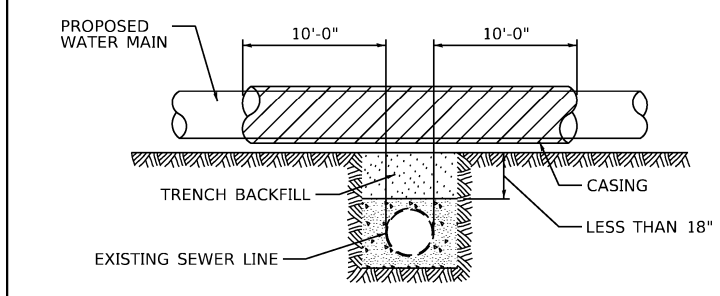


PROVIDE ADEQUATE SUPPORT FOR EXISTING WATER MAIN TO PREVENT DAMAGE DUE TO SETTLEMENT OF SEWER TRENCH
MAINTAIN 18 MINIMUM VERTICAL SEPARATION FOR 10 FT. HORIZONTALLY

PROVIDE ADEQUATE SUPPORT FOR EXISTING WATER MAIN TO PREVENT DAMAGE DUE TO SETTLEMENT OF SEWER TRENCH
MAINTAIN 18 MINIMUM VERTICAL SEPARATION FOR 10 FT. HORIZONTALLY



POINT LOADS SHALL NOT BE ALLOWED BETWEEN WATER MAIN OR WATER MAIN CASING AND SEWER

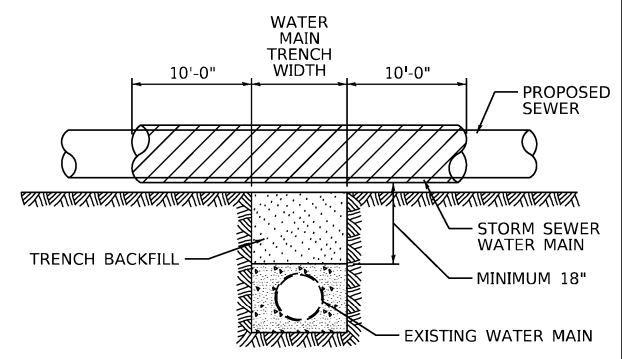


CASING SHALL BE CAST IRON WITH AN INSIDE DIAMETER 2" LARGER IN DIAMETER THAN ENCASED PIPE OUTSIDE DIAMETER WITH BOTH ENDS OF CASING SEALED

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED

PROPOSED WATER MAIN ABOVE EXISTING SEWER LINE

PROVIDE ADEQUATE SUPPORT FOR SEWER TO PREVENT SETTLING AND BREAKING THE WATER MAIN.

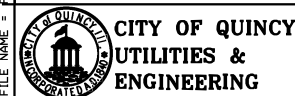


ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED

EXISTING WATER MAIN BELOW PROPOSED SEWER LINE WITH MINIMUM 18 VERTICAL SEPARATION

REV. - MS

FILE NAME = F:\PROJECT FILES\110228 N24th Ellington WM Reloc\CAD Drawings\Water_Plan_001.dgn



USER NAME =	DESIGNED - SB
CHECKED -	REVISOR -
PLOT SCALE =	DRAWN -
PLOT DATE =	CHECKED -

REVISOR -
REVISOR -
REVISOR -
REVISOR -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WATER MAIN & SEWER SEPARATION
DETAILS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7825	(K-15)JC	ADAMS	75	75A
CONTRACT NO. 72F26				
ILLINOIS FED. AID PROJECT				

SCALE: None SHEET NO. 1 OF 1 SHEETS