

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

PLANS FOR PROPOSED FEDERAL AID HIGHWAY

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
49	14,16 I & HL	PEO.-TAZ.	24	1
P-94-156-69				

INDEX OF SHEETS

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- 29A TRAFFIC CONTROL — U-2

PLAN
PROFILE HORIZ.
PROFILE VERT.
CROSS SECTIONS

F.A. ROUTE 49 SECTION (14,16) I & HL PEORIA - TAZEWELL COUNTIES PROJECT BR-F-49 [41]

C-94-101-81

THE PROPOSED IMPROVEMENT INCLUDES:

EAST APPROACH COMPLETE THE CONSTRUCTION OF THE 4-LANE APPROACH ROADWAY TO THE STRUCTURES.

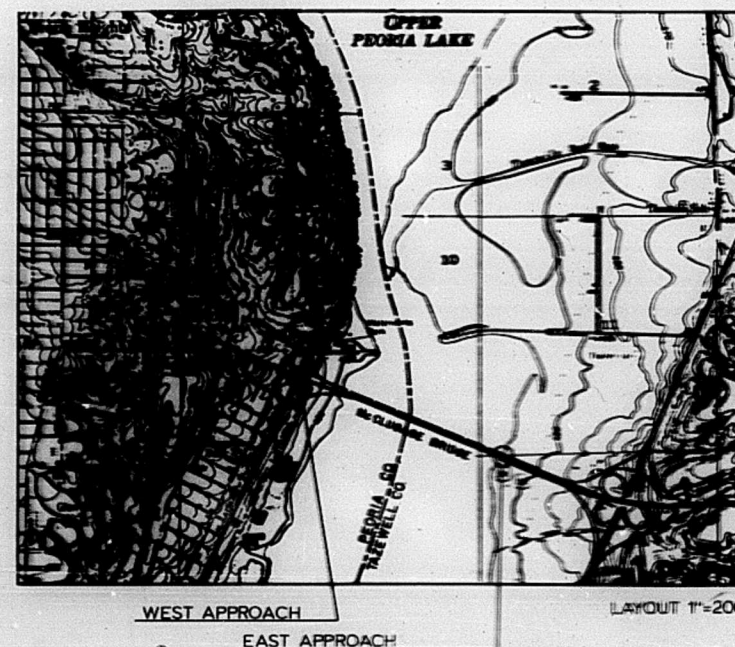
WEST APPROACH COMPLETE CONSTRUCTION OF THE INTERIM RAMP A, RAMP E AND RAMP F, COMPLETE HIGHWAY LIGHTING SYSTEM FOR THE WEST APPROACH, AND THE OVERLAYING OF THE EXISTING ADJACENT STREETS.



LOCATION OF SECTION INDICATED THUS: —

LIST OF STANDARDS

1527-9	2230-13	2323-5
1683-4	2240-5	2324-5
1686-4	2250-1	2333-2
	2251-1	2336-2
2115-7	2298-5	2337-1
2122-8	2299-6	2340-3
2130-6	2300-2	2341-1
2149-11	2306-4	2349
2179-10	2308-3	2350-2
2203-11	2311-5	2353-4
2213-4	2315-5	2385
2228-4	2307-4	
2237-10	2305-4	
	2314-3	



SUBMITTED March 3, 1981
DIST. DESIGN ENGR.
EXAMINED March 4, 1981
DIST. CONST. ENGR.
EXAMINED March 3, 1981
DIST. MAINT. ENGR.
EXAMINED March 3, 1981
DIST. TRAFFIC ENGR.
Entire section inspected and approved as to policy.
DATE 3-6-81 DISTRICT ENGINEER

REVIEWED FOR CORRELATION WITH APPROVED DESIGN REPORT AND ENVIRONMENTAL ASSESSMENT
DISTRICT ENGINEER OF PLANNING
Date 3/3/81

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
SUBMITTED 2-6-81 DISTRICT ENGINEER
EXAMINED 3/27 DISTRICT ENGINEER
PASSED 3/27 DISTRICT ENGINEER
APPROVED 3/27 DISTRICT ENGINEER

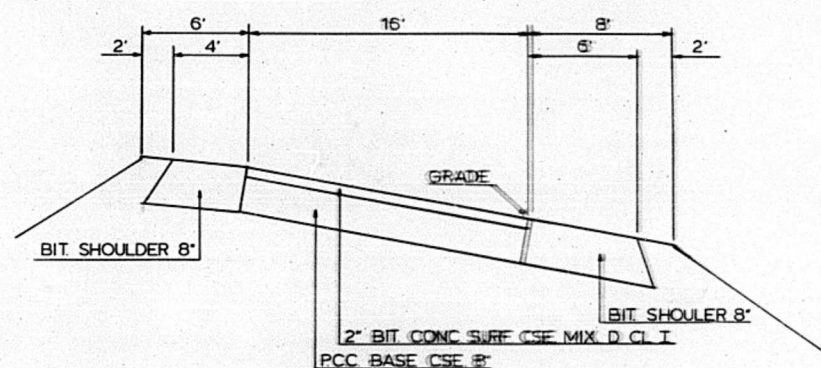
DESIGN DESIGNATION
3996 (94) MAJOR (PCC-20)

CONTRACT NO. 34982

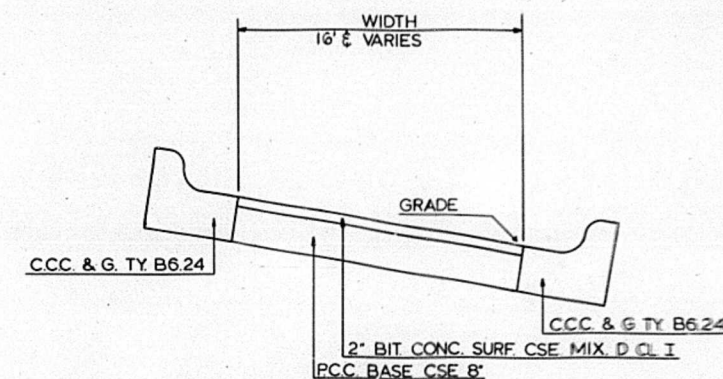
COUNTY

SECTION

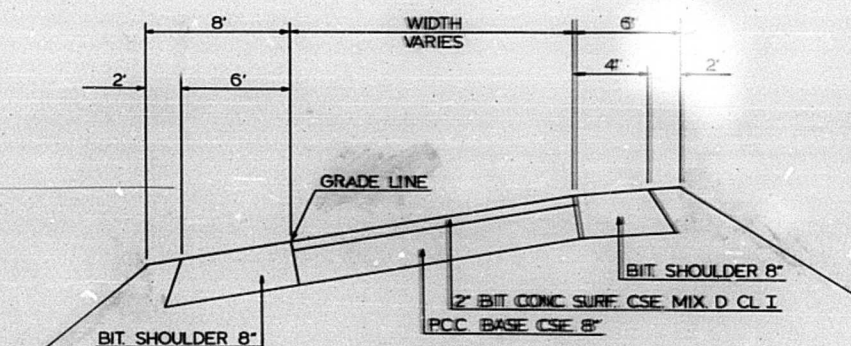
F.A. ROUTE



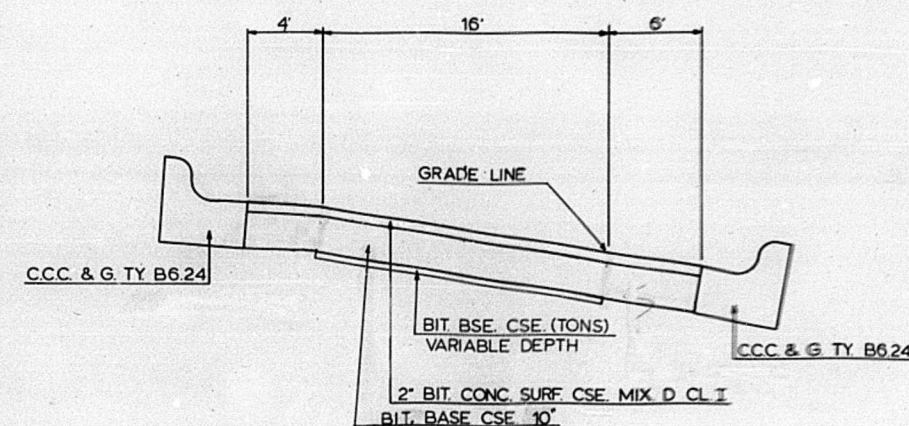
RAMP "F"
TYPICAL RAMP SECTION SUPERELEVATED
STA. 10+12 TO STA. 11+10



RAMP "F"
TYPICAL RAMP SECTION SUPERELEVATED
STA. 11+60 TO STA. 13+05



RAMP "A"
TYPICAL RAMP SECTION SUPERELEVATED



RAMP "E"
TYPICAL RAMP SECTION SUPERELEVATED

TYPICAL
SECTIONS

SUMMARY OF QUANTITIES

BOND ISSUE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FA 49	14.16	PEDRIA TAZEWELL	29	3
STA.	TO STA.	FED. AID PROJECT		
FED. AID PROJECT				

LOCATION				LIGHTING	EAST APPROACH	WEST APPROACH	RESURFACING				
CONSTRUCTION TYPE CODE				Y030	7223	6707	6706				
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	Y030	7223	6707	6706				
202001	EARTH EXCAVATION	CU.YD.	2,554		1931	623					
204001	BORROW EXCAVATION	CU.YD.	3,625		3050	575					
209004	POROUS GRANULAR EMBANKMENT SPECIAL	CU.YD.	924			924					
218001	STABILIZED SUB-BASE 4"	SQ.YD.	1,776		1776						
219006	BITUMINOUS SHOULDERS 8"	SQ.YD.	505		181	324					
219008	BITUMINOUS SHOULDERS 10"	SQ.YD.	1256		1256						
304003	PORTLAND CEMENT CONCRETE BASE (COURSE 8")	SQ.YD.	1411			1398	13				
308007	BITUMINOUS BASE COURSE 10"	SQ.YD.	875		515	360					
406007	BITUMINOUS CONCRETE BINDER (COURSE)	TON	854				854				
406013	BITUMINOUS CONCRETE SURFACE (COURSE, MIXTURE C, CLASS I)	TON	1,406		425	209	772				
408005	PORTLAND CEMENT CONCRETE PAVEMENT 110"	SQ.YD.	1,578		1578						
408012	PAVEMENT FABRIC	SQ.YD.	1,322		1105	217					
408015	P.C. CONCRETE BRIDGE APPROACH SHOULDER PAVEMENT	SQ.YD.	68		43	25					
504003	CLASS X CONCRETE	CU.YD.	88.5			88.5					
511405	PIPE CULVERTS, TYPE 1, 24" (TEMPORARY)	LIN.FT.	410		410						
511791	STEEL END SECTIONS 12"	EACH	5		2	3					
512001	REINFORCEMENT BARS	POUND	14,166		8840	5326					
603005	STORM SEWERS, TYPE 1 12"	LIN.FT.	188			188					
607065	PIPE DRAINS, BITUMINOUS COATED, CORRUGATED STEEL 12"	LIN.FT.	241		165	76					
612184	MANHOLES, TYPE A, 4'-DIAMETER, TYPE II FRAME CLOSED LID	EACH	1			1					
X612E4	INLETS, TYPE B	EACH	1		1						
612468	MEDIAN INLET (2251)	EACH	1		1						
X612R4	TYPE C INLET BOX, STANDARD 2324 (SPECIAL)	EACH	3		2	1					
X612R5	TYPE D INLET BOX, STANDARD 2324 (SPECIAL)	EACH	4		2	2					
612555	MANHOLES TO BE ADJUSTED	EACH	1			1					
612598	MANHOLES TO BE RECONSTRUCTED WITH NEW MEDIAN INLET (2250)	EACH	1			1					
612604	INLETS TO BE ADJUSTED WITH NEW TYPE II FRAME, CLOSED LID	EACH	1			1					
612652	INLETS TO BE REMOVED	EACH	7		3	4					
615003	FILLING EXISTING INLETS	EACH	2			2					
616050	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	LIN.FT.	938			938					
616258	ISLAND PAVEMENT (SPECIAL)	SQ.YD.	10			10					
617001	PAVEMENT REMOVAL	SQ.YD.	3453		1866	1587					
617005	COMBINATION CURB AND GUTTER REMOVAL	LIN.FT.	1,466		280	1186					
628031	TRAFFIC BARRIER TERMINAL, TYPE 1	EACH	4		3	1					
628032	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	1		1						
632001	DELINEATORS	EACH	12			12					
633003	STEEL PLATE BEAM GUARD RAIL REMOVAL	LIN.FT.	155		155						
642001	SEEDING, CLASS I	ACRE	3		15	15					
XZ1238	FABRIC FORMED CONCRETE PAVEMENT MARKS	SQ.YD.	90			90					
644001	SODDING	SQ.YD.	425			425					
644002	SUPPLEMENTAL WATERING	UNIT	9			9					
647001	PAVEMENT MARKING TAPE	LIN.FT.	450			450					
X05755	REINFORCED EARTH WALL	SQ.FT.	1,577			1577					
X40810	BRIDGE APPROACH PAVEMENT (STANDARD 2353)	SQ.YD.	267		267						
X61639	CONCRETE BARRIER, SINGLE FACE	LIN.FT.	55			55					
X62837	STEEL PLATE GUARD RAIL, TYPE A	LIN.FT.	1,029		935	94					
X62844	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	3		2	1					
X62849	TRAFFIC BARRIER TERMINAL, TYPE 6 (SPECIAL)	EACH	2			2					
X07434	REMOVE STEEL SHEET PILING	LIN.FT.	85			85					
X61244	FLUSH INLET BOX, MEDIAN (2240) SPECIAL	EACH	1			1					
X612V8	INLET ADJUSTMENT, NEW TYPE V FRAME & GRATE	EACH	1			1					
X07435	SITE GRADING	L.SUM	1			1					
L00147	CONDUIT PUSHED, 2" DIAMETER, GALVANIZED STEEL	LIN.FT.	88	88							
L00149	CONDUIT PUSHED, 3" DIAMETER, GALVANIZED STEEL	LIN.FT.	130	130							
L02200	POLE FOUNDATION	EACH	12	12							
L02781	ELECTRIC CABLE UNIT DUCT, 2-600 WLLP #6, 1 INCH POLYETHYLENE	LIN.FT.	2,147	2147							
L05180	ELECTRIC CONDUCTOR (BARE ANNEALED COPPER) NO. 6	LIN.FT.	2,187	2187							
L05493	CONTROL INSTALLATION, TYPE (CB, RCS-60-240)	EACH	1	1							
L00006	CONDUIT IN TRENCH, 2" DIA, GALVANIZED STEEL	LIN.FT.	65	65							
L04300	TRENCH AND BACKFILL	LIN.FT.	1,746	1746							

LOCATION				LIGHTING	EAST APPROACH	WEST APPROACH	RESURFACING				
CONSTRUCTION TYPE CODE											
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	Y030	7223	6707	6706	Y080			
* X04846	ELECTRIC CABLE IN CONDUIT 600V (XLP. TYPE USE), 1/C, NO. 12	LIN.FT.	1,210	1210							
* L06031	POLE, METAL 45 FT. MH, 6 FT. MAST ARM	EACH	11	11							
* X03965	REMOVE & REINSTALL EXISTING LIGHT STANDARD	EACH	1	1							
* L06168	REMOVE EXISTING HIGHWAY LIGHTING SYSTEM	L. SUM	1	1							
* L06169	LUMINAIRE RECTILINEAR TYPE: 400 WATT, H.P.S.	EACH	11	11							
* X04849	LAMP 400 WATT HPS	EACH	11	11							
* XZ1497	RAISED PAVEMENT MARKERS TYPE 2	EACH	44				44				
* T50101	THERMOPLASTIC PAVEMENT MARKING -- LETTERS & SYMBOLS	SQ.FT.	31				31				
* T50102	THERMOPLASTIC PAVEMENT MARKING-LINE 4"	LIN.FT.	9275				9275				
* T50105	THERMOPLASTIC PAVEMENT MARKING-LINE 8"	LIN.FT.	200				200				
* T50106	THERMOPLASTIC PAVEMENT MARKING-LINE 12"	LIN.FT.	395				395				
* T50202	PAINT PAVEMENT MARKING-LINE 4"	LIN.FT.	11860		8770		3090				
* T50204	PAINT PAVEMENT MARKING-LINE 6"	LIN.FT.	180				180				
* T50107	THERMOPLASTIC PAVEMENT MARKING-LINE 24"	LIN.FT.	28				28				
X61218	INLETS TYPE A, TYPE V FRAME & GRATE	EACH	6				6				
308012	BITUMINOUS BASE COURSE	TON	15				15				
648018	TRAFFIC CONTROL & PROTECTION (SPECIAL)	L.SUM	1				1				
648025	TRAFFIC CONTROL & PROTECTION STD. 2311	L.SUM	1		1						
648007	TRAFFIC CONTROL & PROTECTION STD. 2315	L.SUM	1		1						
XZ1232	CONCRETE THRUST BLOCKS	EACH	4		2		2				
X04748	MOBILIZATION	L.SUM	1		0.5		0.5				
Z10527	TRAINEES	HOURL	1,000					1,000			
* SPECIALTY ITEMS											

PCC BRIDGE APPROACH SHOULDER PAVEMENT
TYPE C INLET BOX (STD 2324) SPECIAL
TYPE D INLET BOX (STD 2324) SPECIAL
PIPE DRAINS, BITUMINOUS COATED
CORRUGATED STEEL 12"
12" STEEL END SECTION

43 SQ. YDS.
2 EACH
2 EACH
165 LIN. FT.
2 EACH

STA 253+00
REMOVE EXISTING INLET TY A W/TY 37 GRATE 1 EACH
REPLACE WITH
MEDIAN INLET (2251) 1 EACH
INLET TYPE B 1 EACH
TEMPORARY PIPE CULVERT TY 1 (CSCP) 24" 410 LIN. FT.
252+00 TO 256+00
NOTE: SEALING THE HOLES AT INLET TYPE B WITH MASONRY
MATERIAL SHALL BE CONSIDERED INCIDENTAL TO THE MEDIAN
INLET (2251).

T26N R4W 3RD PM

SECTION 14

SEEDING CLASS I 15 ACRE

10" BITUMINOUS SHOULDER

WESTBOUND 246+58.02 TO 256+00
(4' x 8') 941.98 (1/9) = 1256 Sq Yds.
EASTBOUND 246+53.25 TO 250+60 (LT ONLY)
(4' x 408.75 x (1/9) = 181 Sq Yds.
P.C.C. PAVEMENT 10" (70% REINFORCED)
WEST BOUND 247+45.52 TO 253+37.3
1578 SQ. YDS.

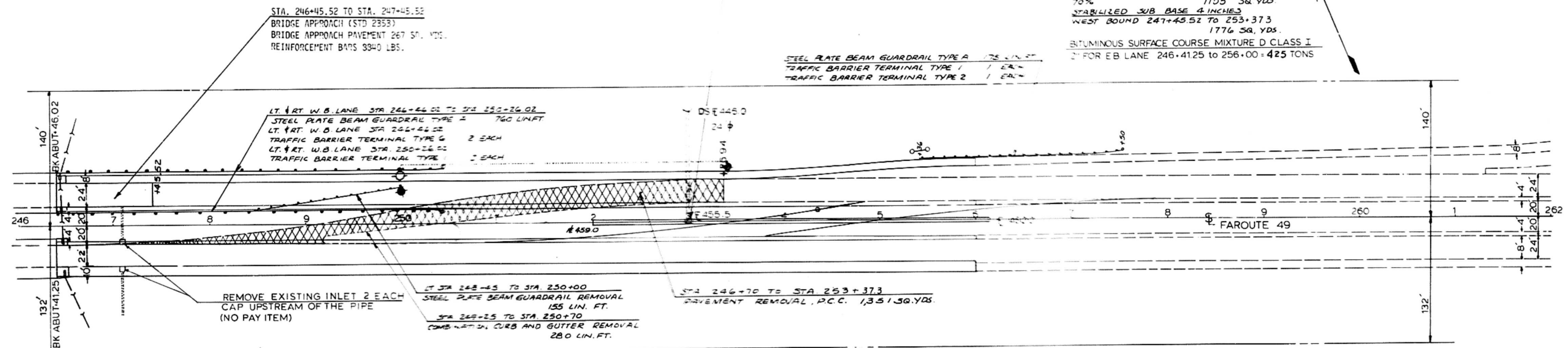
PAVEMENT FABRIC
70% 1105 SQ. YDS.
STABILIZED SUB BASE 4 INCHES
WEST BOUND 247+45.52 TO 253+37.3
1776 SQ. YDS.

BITUMINOUS SURFACE COURSE MIXTURE D CLASS I
2" FOR EB LANE 246+41.25 TO 256+00 = 425 TONS

ROUTE	SECTION	COUNTY	SHEET
FA 49	(14.16) I+HL	PEORIA	TAREWELL 29 4
M.D.			
PROJ.	STA	TO STA.	

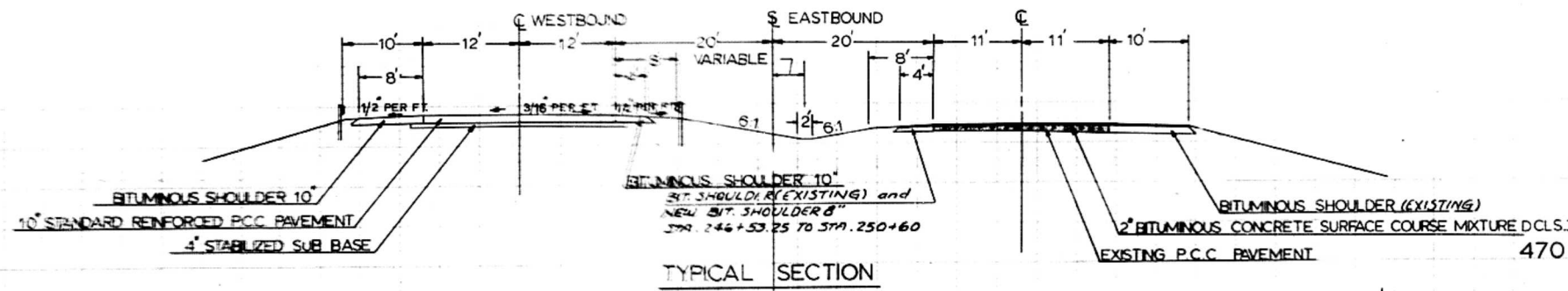
EAST APPROACH

STEEL PLATE BEAM GUARDRAIL TYPE A 175 LIN. FT.
TRAFFIC BARRIER TERMINAL TYPE 1 1 EACH
TRAFFIC BARRIER TERMINAL TYPE 2 1 EACH



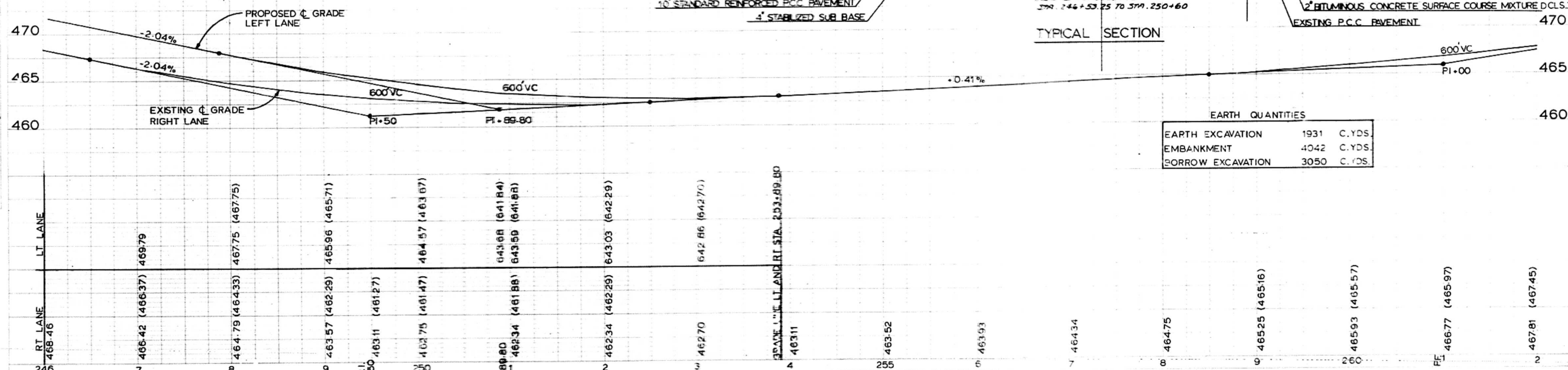
LT. STA. 250+00
REMOVE AND REINSTALL LIGHT STANDARD 1 EACH
POLE FOUNDATION (4' behind guardrail) 1 EACH
ELECTRIC CABLE UNIT DUCT, 2-600V XLP #6 1/2 inch POLYETHYLENE 350 L.F.
ELECTRIC CONDUCTOR (BARE ANNEALED COPPER) No. 6 350 L.F.
TRENCH AND BACKFILL 346 L.F.

SECTION 14



EARTH QUANTITIES

EARTH EXCAVATION	1931 C.YDS.
EMBANKMENT	4042 C.YDS.
BORROW EXCAVATION	3050 C.YDS.



PLAN

PROFILE

ROUTE	SECTION	COUNTY	SHEET
FA 49	(14,16) I & HL	PEORIA	TOTAL NO.
MKD.		TAZEWELL	29 5
PROJ.	STA.	TO STA.	

EAST APPROACH

STAGE I -- CONSTRUCT TEMPORARY CROSS-OVER 250+90± TO 257+86

1. USE STD. 2315 (E.B. & W.B.)--MODIFY TAPER E.B. TO FIT CONDITIONS.
2. COVER 2 EXISTING SIGNS "MCCLUGAGE BRIDGE TRAFFIC KEEP LEFT" ALONG W.B. LANES, WHILE WORKING.
3. INSTALL "ROAD CONSTRUCTION AHEAD" SIGNS LT. & RT. ENTRANCE RAMP NEAR GORE AREA OF RAMP CONVERGENCE.

STAGE II -- SWITCH W.B. TRAFFIC TO NEW CROSS-OVER

1. STRIPE AND PLACE BARRELS AS SHOWN BELOW.

STAGE III -- REMOVE EXISTING PAVEMENT LT. OF E.B. LANES, STA. 247+00 TO 253+37±.
REMOVE EXISTING CURB AND GUTTER 249+30± TO 250+60±.

1. USE STD. 2311

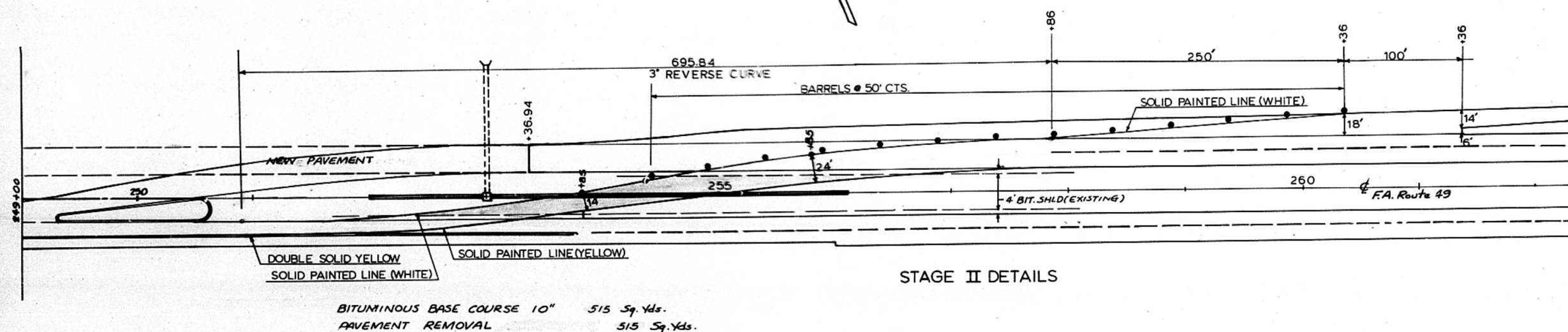
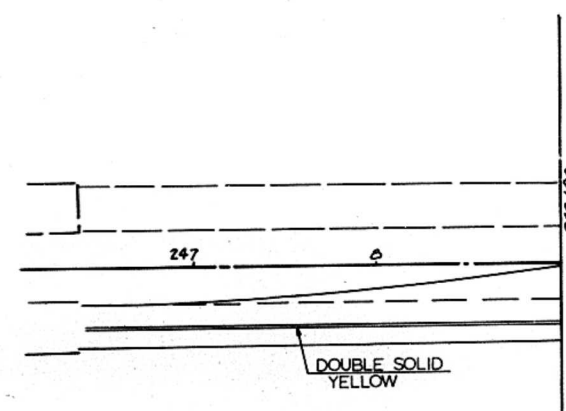
STAGE II
PAINT PAVEMENT MARKING LINE 4"

LOCATION	4" WHITE (SOLID)	4" YELLOW (SOLID)	4" WHITE (SKIP)
TEMPORARY CROSS-OVER	1980	2080	0
MAINLINE WESTBOUND	2120	2120	470
TOTALS	4100	4200	470

STAGE IV -- REMOVE TEMPORARY CROSS-OVER

1. USE STD. 2315 (E.B. AND W.B.).
2. RESURFACE E.B. LANES AND SHOULDERS--USE STD. 2315.

NOTE: WHEN USING STD. 2315, BARRICADES AT 50' CTRS. SHALL BE PLACED AT THE EDGE OF BITUMINOUS SHOULDERS IF A DROP OFF OF 3"± EXISTS, WHEN NO WORK IS IN PROGRESS.



STAGE II DETAILS

TEMPORARY CROSS-OVER DETAIL
F.A. ROUTE 49
SECTION (14,16) I & HL
TAZEWELL COUNTY
SCALE = 1" = 50'

ROUTE	SECTION	COUNTY	SHEET
FA 49	(14, 16) I & HL	PEORIA	TABEWELL 29 6
MKD.			

WEST APPROACH

PAVEMENT REMOVAL

RAMP "A"
PCC PAVEMENT 156 SQ YDS
BIT. PAVEMENT 426 SQ YDS
RT STA 62+00 TO RT STA 425+75 (ADAMS ST C)
PCC PAVEMENT 218 SQ YDS
EXISTING RAMP "E" 567 SQ YDS
RT. RAMP "F" 12+08 TO 12+98 200 SQ YDS.

COMBINATION CURB AND GUTTER REMOVAL

RT STA 44+50 3 LIN FT
RT STA 58+22.5 TO STA 59+95 205 LIN FT
RT STA 60+00 TO STA 60+20 50 LIN FT
RT STA 62+19 TO STA 62+62 95 LIN FT
RT STA 62+00 (SMALL ISLAND) 42 LIN FT
45' RT STA 11+80 TO 25' LT STA 11+50 TO
8' RT STA 13+26
(RAMP "F" @) 274 LIN FT
STA 11+10 (RAMP "F" @) 60 LIN FT
EXISTING RAMP "E" RT EDGE 450 LIN FT

COMBINATION CONCRETE CURB & GUTTER TYPE B-6.24

RT STA 58+22.5 TO 59+05 83 LIN FT
LARGE ISLAND RT STA 62+03 TO
STA 425+84 335 LIN FT
RT STA 11+77 TO STA 13+26
(RAMP "F" @) 165 LIN FT
LT STA 10+78 TO STA 11+00 60 LIN FT
RT STA 11+08 TO STA 11+20 15 LIN FT
RAMP "E"
RIGHT 145 LIN FT
LEFT 135 LIN FT

OUTLET FOR TYPE A GUTTER (STD 1913)

LT STA 3+00 TO 3+36 (RAMP "A" @)
CLASS X CONC (OUTLET) 3.53 CU YDS

PCC BASE COURSE 8" (PCC BASE COURSE WIDENING 8")
SHALL BE PAID FOR AS
PCC BASE COURSE 8"

RAMP "E"
BK OF N. ABUT TO STA 11+11 465 SQ YDS
STA 11+60 TO STA 13+02 310 SQ YDS
RAMP "A" 623 SQ YDS
RT STA 52+00 13 SQ YDS

BITUMINOUS SHOULDER B'

RAMP "A"
LT STA 3+00 TO 3+36 127 SQ YDS
RT STA 3+50 TO 4+30 66 SQ YDS
RAMP "E"
LT STA 9+52 TO STA 11+03 63 SQ YDS
RT STA 10+12 TO STA 11+14 68 SQ YDS

BITUMINOUS CONCRETE SURFACE COURSE MIXTURE D CLASS I

RAMP "E"
BK OF N. ABUT TO STA 11+11 2" THICK 52.0 TONS
STA 11+60 TO STA 13+02 2" THICK 35.0 TONS
RAMP "A" 70.0 TONS
RT STA 52+00 (ADAMS ST) 2" THICK 1.4 TONS
MADISON STREET 1898 SY 1 1/2" THICK 156.0 TONS
LORENTZ STREET 1960 SY 1 1/2" THICK 167.0 TONS
ADAMS STREET 3346 SY 1 1/2" THICK 448.0 TONS
RAMP "E" 52.0 TONS

BITUMINOUS CONCRETE BINDER COURSE
MADISON STREET 2" THICK 210 TONS
LORENTZ STREET 2" THICK 222 TONS
ADAMS STREET 2" THICK 422 TONS

SEEDING CLASS I = 15 ACRE

BITUMINOUS BASE COURSE 10"
RAMP "E" 360 SQ. YDS.

BITUMINOUS BASE COURSE (TONS)
RAMP "E" 15 TONS

AND PAVEMENT SPECIAL 10 SQ.YDS.

RAMP "F" RT. STA. 10+00 TO 10+11
P.C.C. BRIDGE APPROACH SHLD. PAVT. 9 SQ. YD
TYPE "D" INLET BOX (STD. 2324) SPECIAL - 1 EACH
PIPE DRAINS (BIT. COATED CORR. STEEL) 12" - 28 L.F.
STEEL END SECTIONS, 12" - 1 EACH

RAMP "F" LT. STA. 9+49 TO 9+61
P.C.C. BRIDGE APPROACH SHLD. PAVT. 6.8 SQ. YD.
TYPE "C" INLET BOX (STD. 2324) SPECIAL - 1 EACH
PIPE DRAINS (BIT. COATED CORR. STEEL) 12" - 20 L.F.
STEEL END SECTIONS - 12" - 1 EACH

SODDING 425 SQ.YDS.

BRICK PAVT. REMOVAL
INCIDENTAL

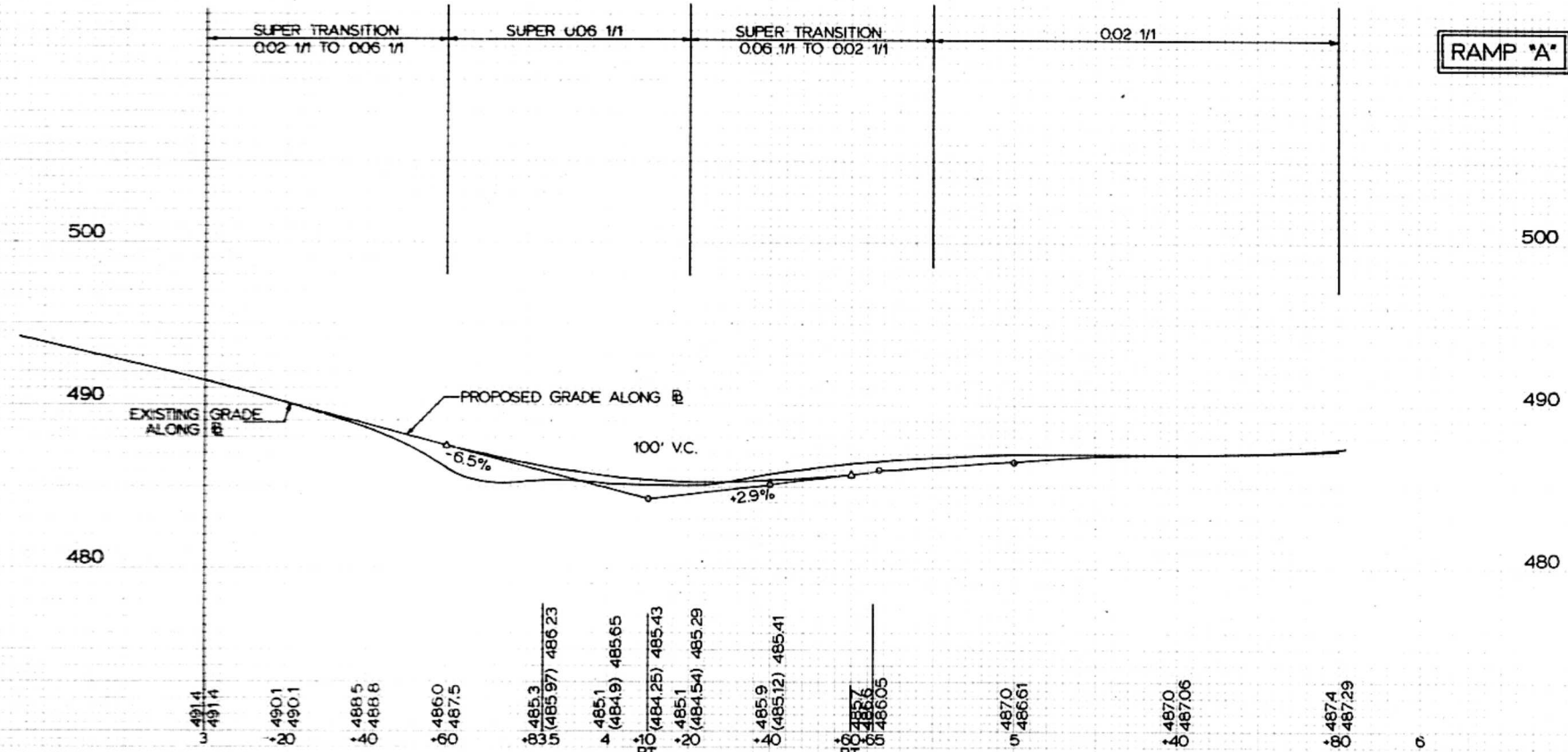
POT 12+88

EXISTING & PROPOSED
RAMPS

EARTH QUANTITIES (C.YDS.)

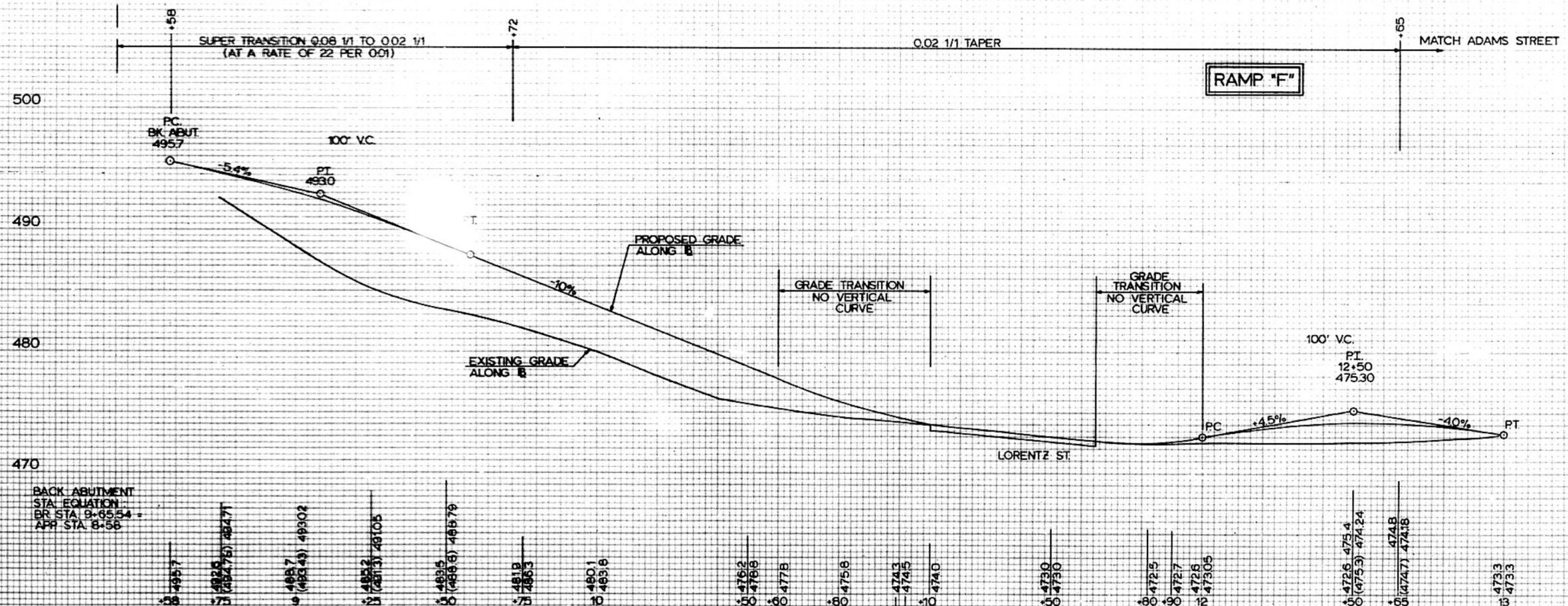
LOCATION	EARTH EX	EMBANKMENT	BORROW
RAMP 'A'	87	147	91
RAMP 'E'	0	282	341
RAMP 'F'	536	561	143

FEDERAL AID ROUTE 15	SEC	COUNTY	PROJECT	DATE
FA 49	116.16	PEORIA	TAZEWELL	29 7
FED. ROAD DIST. NO. 4	ILLINOIS	PROJECT		



RAMP 'E'

STA	RT. EDGE	LT. EDGE
6+90	492.08	492.28
7+00	492.06	492.33
7+10	492.05	492.38
7+20	492.12	492.51
7+30	492.30	492.76
7+40	492.55	493.07
7+50	492.91	493.50
7+60	493.35	494.00
7+70	493.88	494.59
7+80	494.50	495.28
7+90	495.23	496.07
8+00	496.00	496.91
8+10	496.77	497.74
8+20	497.57	498.60
8+30	498.25	499.35
8+40	498.83	499.99
8+50	499.28	500.51
8+58.5	499.59	500.87

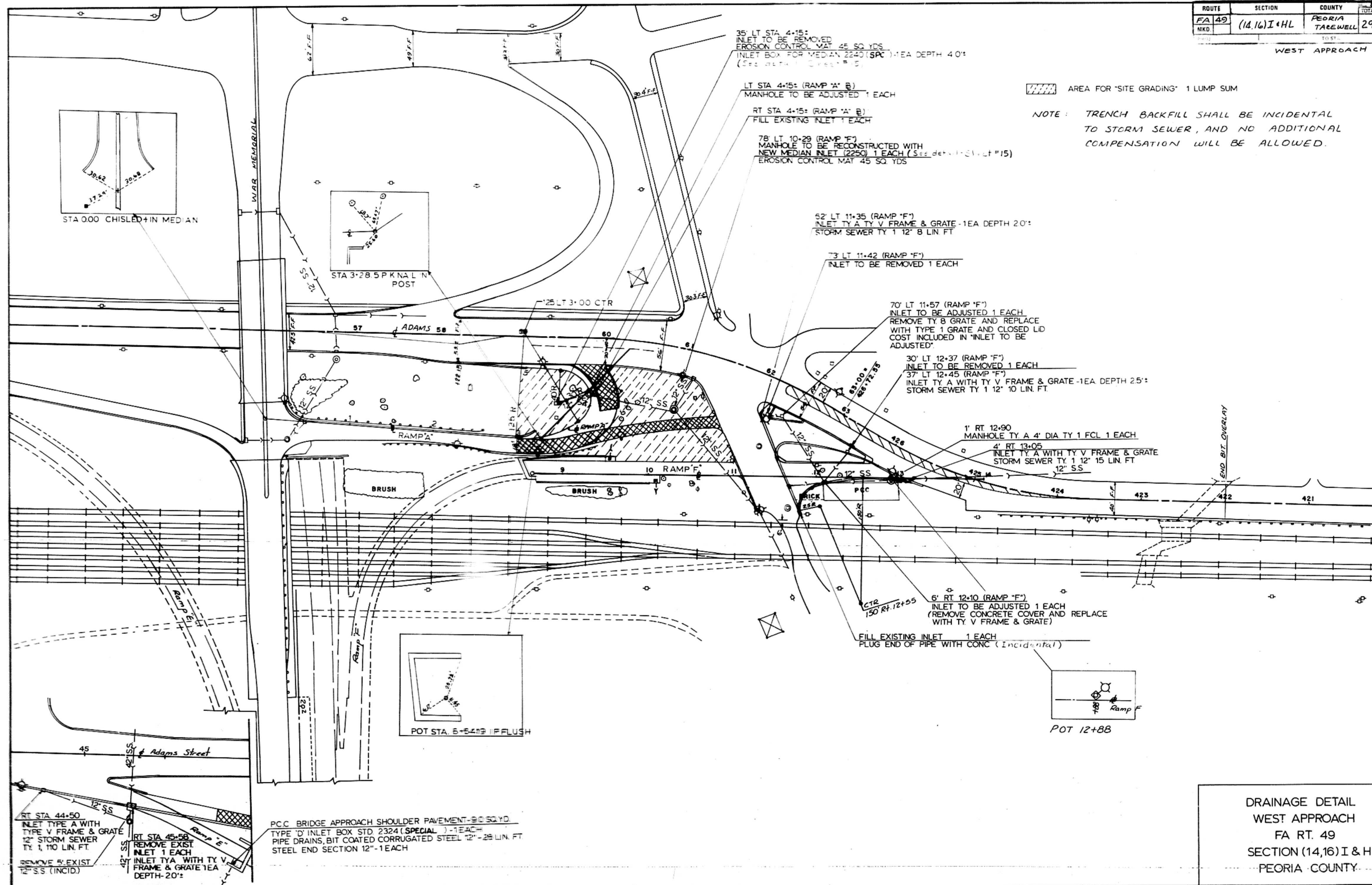


ROUTE	SECTION	COUNTY	SHEET
FA 49	(14.16) I & HL	PEORIA	TAREWELL 29 8
MKD			

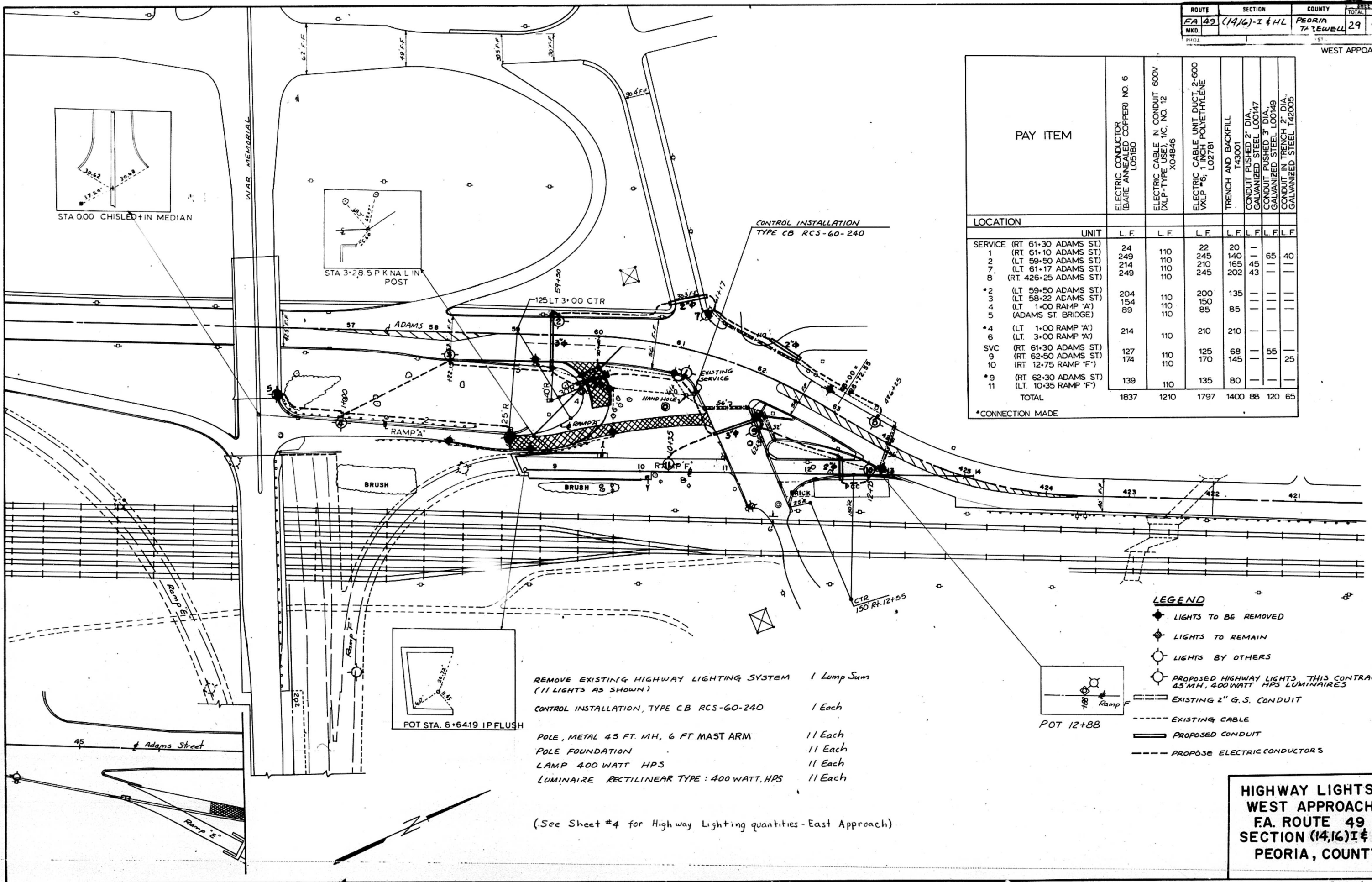
WEST APPROACH

AREA FOR "SITE GRADING" 1 LUMP SUM

NOTE: TRENCH BACKFILL SHALL BE INCIDENTAL TO STORM SEWER, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.



DRAINAGE DETAIL
WEST APPROACH
FA RT. 49
SECTION (14.16) I & HL
PEORIA COUNTY



PAY ITEM		ELECTRIC CONDUCTOR (BARE ANNEALED COPPER) NO. 6 LO5180		ELECTRIC CABLE IN CONDUIT 600V (ALP-TYPE USE), 1/2", NO. 12 X04846		ELECTRIC CABLE UNIT DUCT, 2-600 VXLP #6, 1 INCH POLYETHYLENE LO2781		TRENCH AND BACKFILL T43001		CONDUIT PUSHED 2" DIA., GALVANIZED STEEL L00147		CONDUIT PUSHED 3" DIA., GALVANIZED STEEL L00149		CONDUIT IN TRENCH 2" DIA., GALVANIZED STEEL T42005	
LOCATION		UNIT		L. F.	L. F.	L. F.	L. F.	L. F.	L. F.	L. F.	L. F.	L. F.	L. F.	L. F.	L. F.
SERVICE (RT 61+30 ADAMS ST.)		24		110		22		20		—		—		—	
1 (RT 61+10 ADAMS ST.)		249		110		245		140		—		—		—	
2 (LT 59+50 ADAMS ST.)		214		110		210		165		45		—		—	
7 (LT 61+17 ADAMS ST.)		249		110		245		202		43		65		—	
8 (RT 426+25 ADAMS ST.)				110								—		40	
*2 (LT 59+50 ADAMS ST.)		204		110		200		135		—		—		—	
3 (LT 58+22 ADAMS ST.)		154		110		150				—		—		—	
4 (LT 1+00 RAMP 'A')		89		110		85		85		—		—		—	
5 (ADAMS ST. BRIDGE)				110								—		—	
*4 (LT 1+00 RAMP 'A')		214		110		210		210		—		—		—	
6 (LT 3+00 RAMP 'A')												—		—	
SVC (RT 61+30 ADAMS ST.)		127		110		125		68		—		55		—	
9 (RT 62+50 ADAMS ST.)		174		110		170		145		—		—		25	
10 (RT 12+75 RAMP 'F')												—		—	
*9 (RT 62+30 ADAMS ST.)		139		110		135		80		—		—		—	
11 (LT 10+35 RAMP 'F')												—		—	
TOTAL		1837		1210		1797		1400		88		120		65	
*CONNECTION MADE															

- REMOVE EXISTING HIGHWAY LIGHTING SYSTEM (11 LIGHTS AS SHOWN) 1 Lump Sum
- CONTROL INSTALLATION, TYPE CB RCS-60-240 1 Each
- POLE, METAL 45 FT. MH, 6 FT MAST ARM 11 Each
- POLE FOUNDATION 11 Each
- LAMP 400 WATT HPS 11 Each
- LUMINAIRE RECTILINEAR TYPE: 400 WATT, HPS 11 Each

(See Sheet #4 for Highway Lighting quantities - East Approach)

- LEGEND**
- LIGHTS TO BE REMOVED
 - LIGHTS TO REMAIN
 - LIGHTS BY OTHERS
 - PROPOSED HIGHWAY LIGHTS, THIS CONTRACT 45' MH, 400 WATT HPS LUMINAIRES
 - EXISTING 2" G.S. CONDUIT
 - EXISTING CABLE
 - PROPOSED CONDUIT
 - PROPOSED ELECTRIC CONDUCTORS

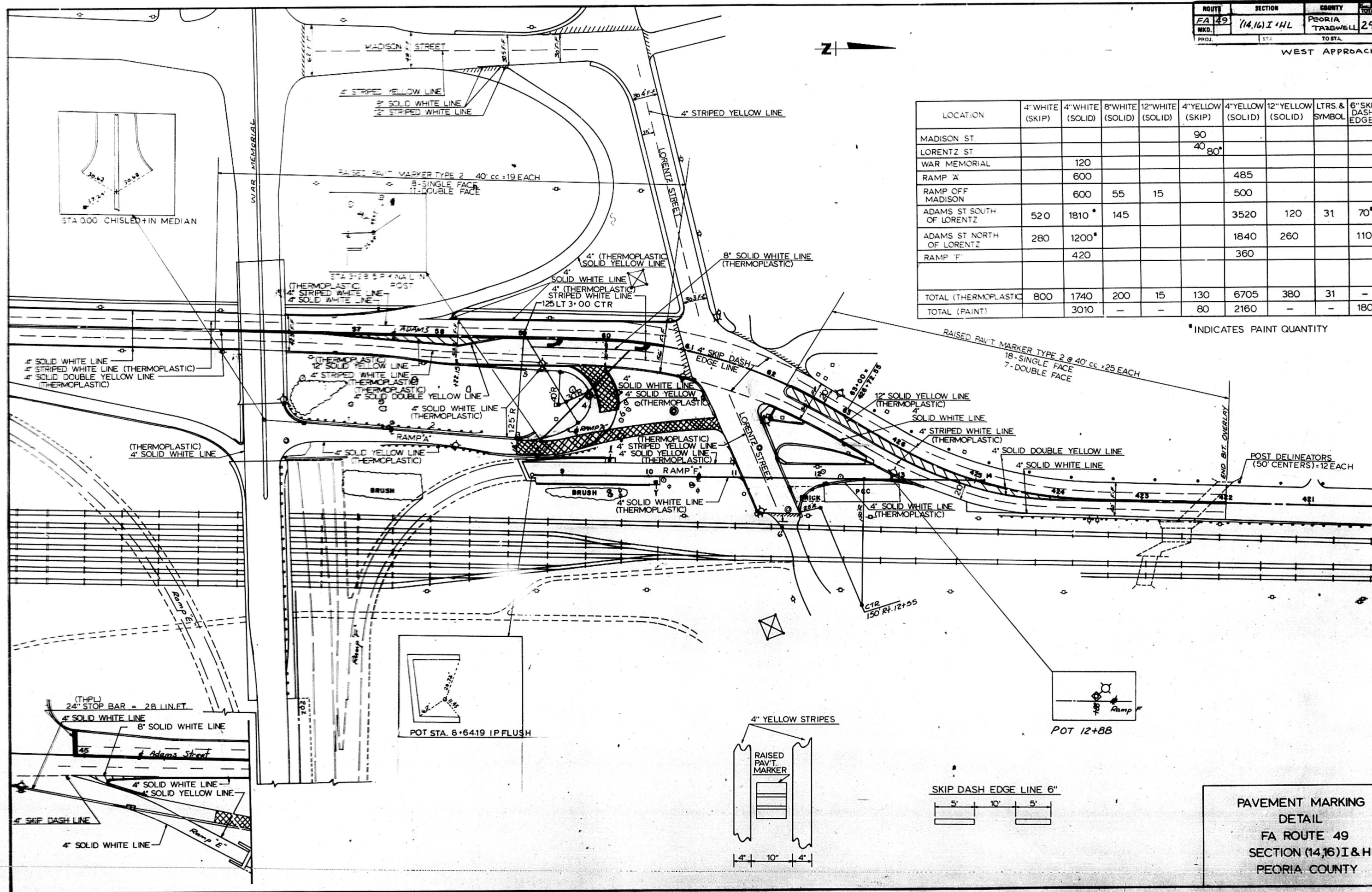
**HIGHWAY LIGHTS
WEST APPROACH
FA. ROUTE 49
SECTION (14/16)-I & HL
PEORIA, COUNTY**

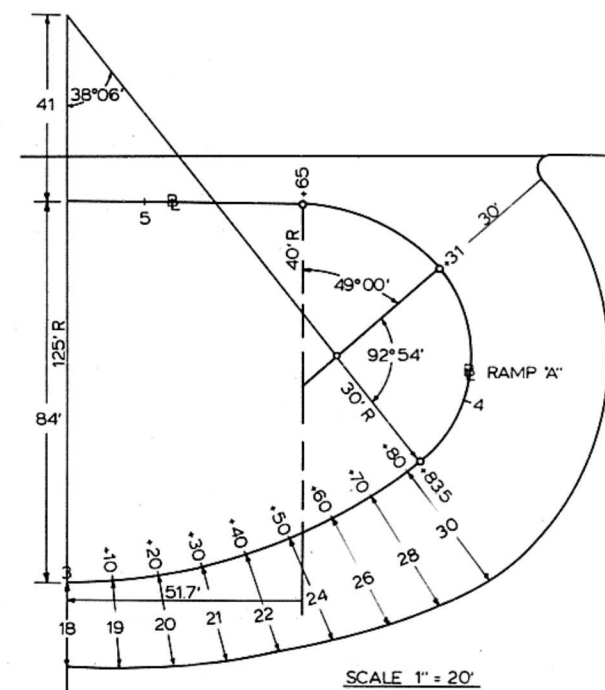
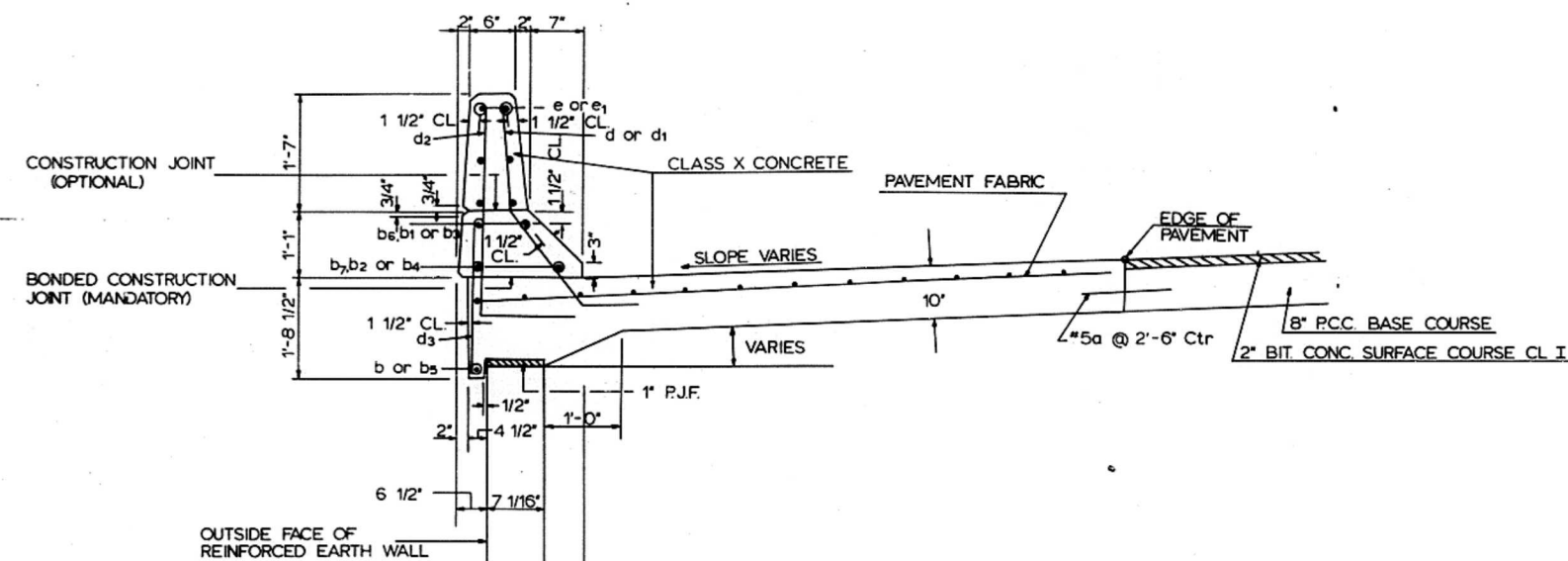
ROUTE	SECTION	COUNTY	TOTAL
FA 49	(14,16) I & HL	PEORIA	29 10
NO.		TABEWE	
PROJ.	STA.	TO STA.	

WEST APPROACH

LOCATION	4" WHITE (SKIP)	4" WHITE (SOLID)	8" WHITE (SOLID)	12" WHITE (SOLID)	4" YELLOW (SKIP)	4" YELLOW (SOLID)	12" YELLOW (SOLID)	LTRS. & SYMBOL	6" SKIP DASH EDGE
MADISON ST.					90				
LORENTZ ST.					40	80			
WAR MEMORIAL		120							
RAMP 'A'		600				485			
RAMP OFF MADISON		600	55	15		500			
ADAMS ST SOUTH OF LORENTZ	520	1810*	145			3520	120	31	70*
ADAMS ST NORTH OF LORENTZ	280	1200*				1840	260		110*
RAMP 'F'		420				360			
TOTAL (THERMOPLASTIC)	800	1740	200	15	130	6705	380	31	-
TOTAL (PAINT)		3010	-	-	80	2160	-	-	180

*INDICATES PAINT QUANTITY

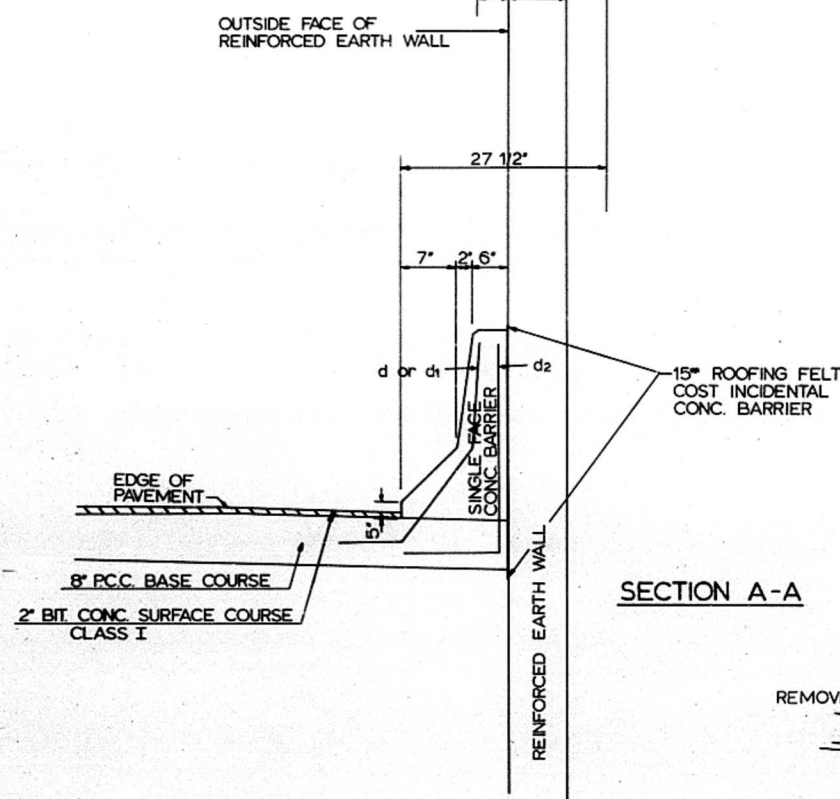




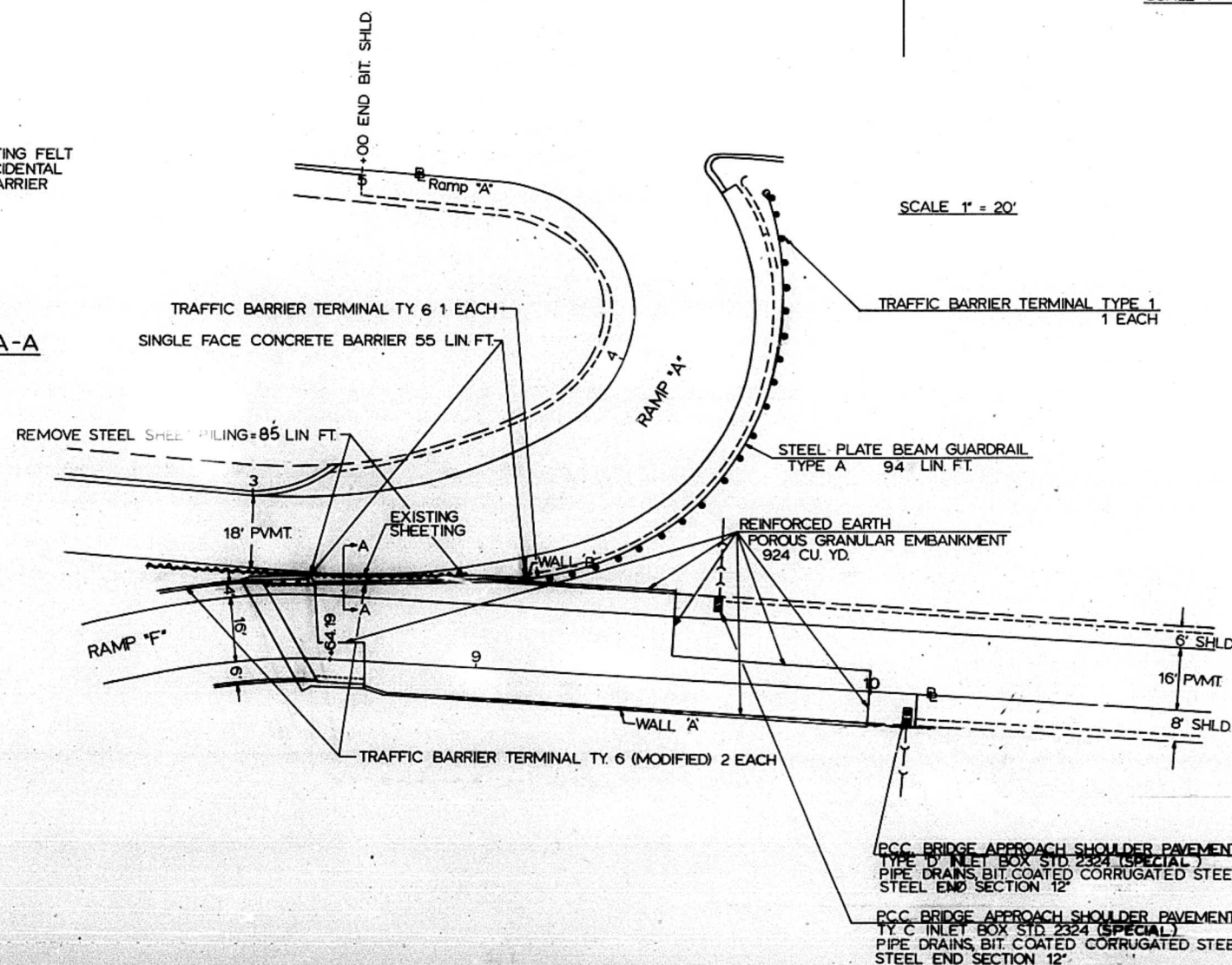
RAMP A PAVEMENT GRADE			
STATION	PAVEMENT WIDTH	BASELINE	RT EDGE
3+00	18'	491.40	491.76
3+20	20'	490.10	490.76
3+40	22'	488.80	489.83
3+60	26'	487.50	489.06
3+80	30'		
3+83.5	30'	486.23	488.03
4+00	30'	485.65	487.45
4+20	30'	485.29	487.09
4+31	30'		
4+40	-	485.41	-
4+65	-	486.05	-
5+00	-	486.61	-
5+40	-	487.06	-
5+80	-	487.29	-

MIN. LAP

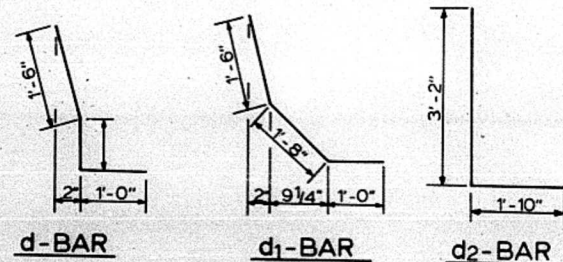
4 - 1-8°
 5 - 2-2°
 8 - 3-5°



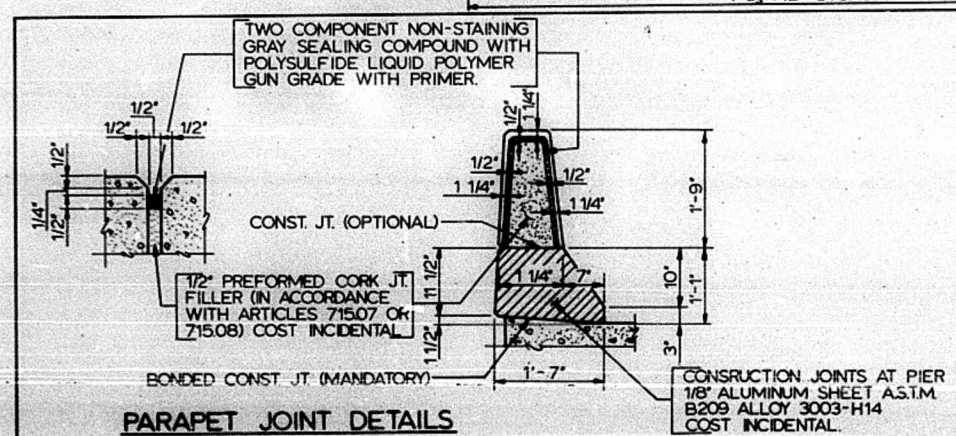
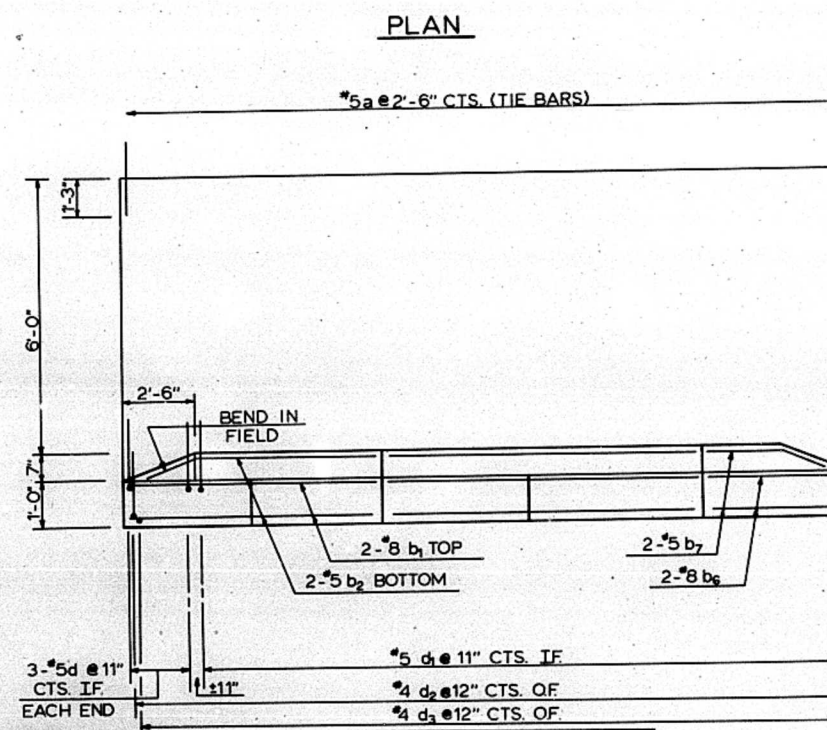
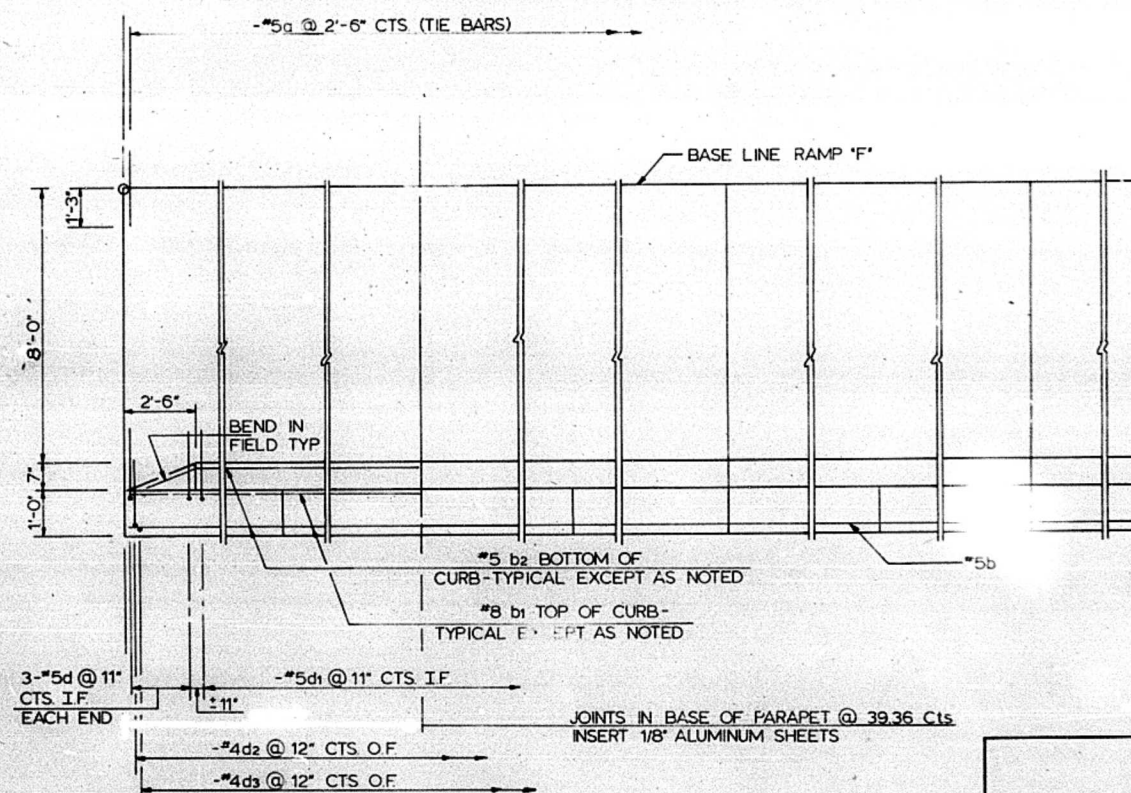
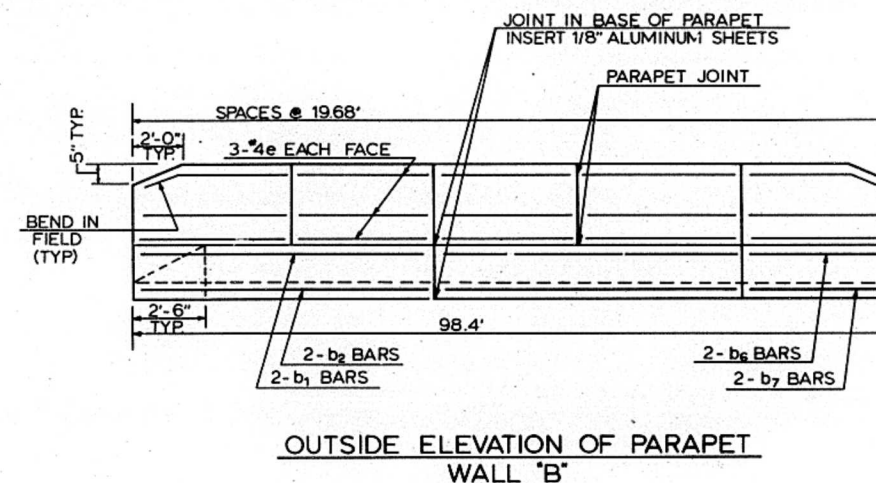
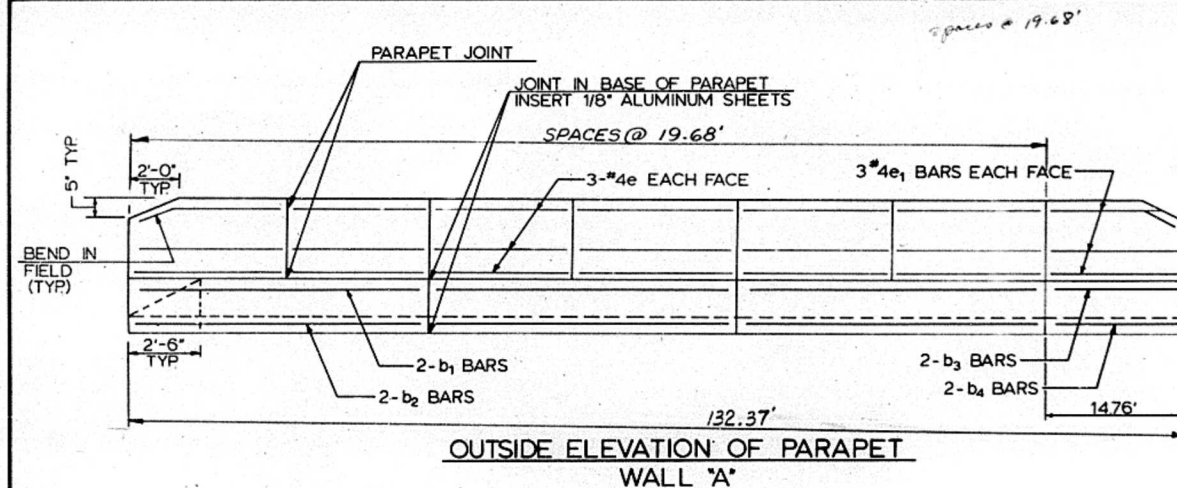
SECTION A-A

BILL OF MATERIAL

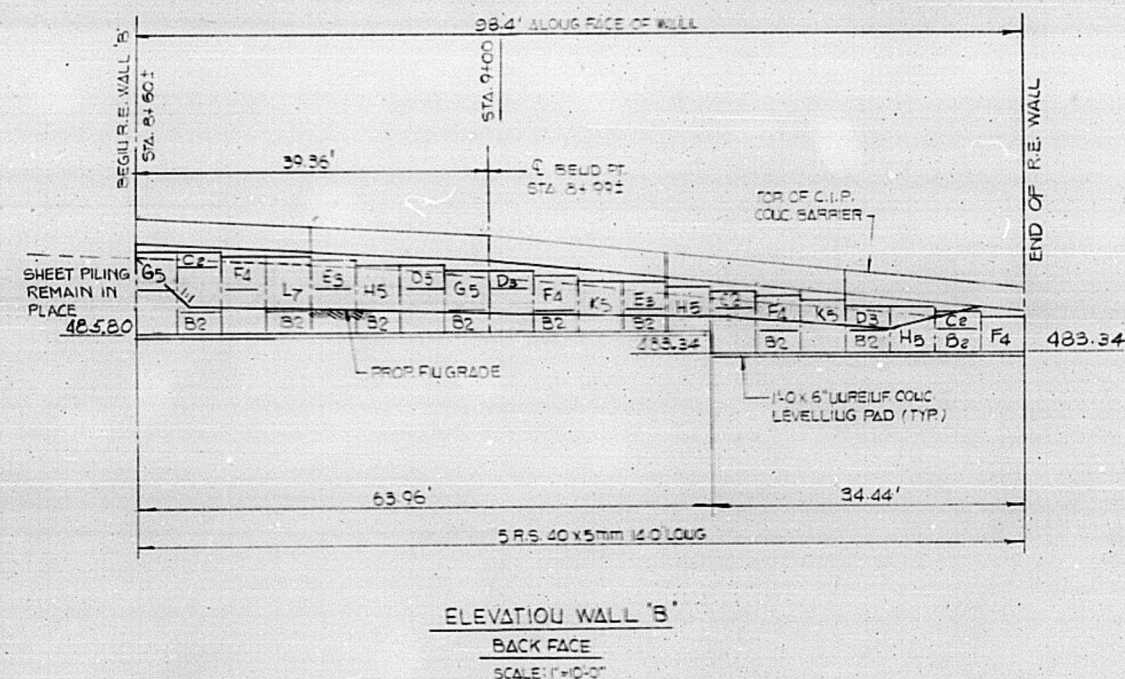
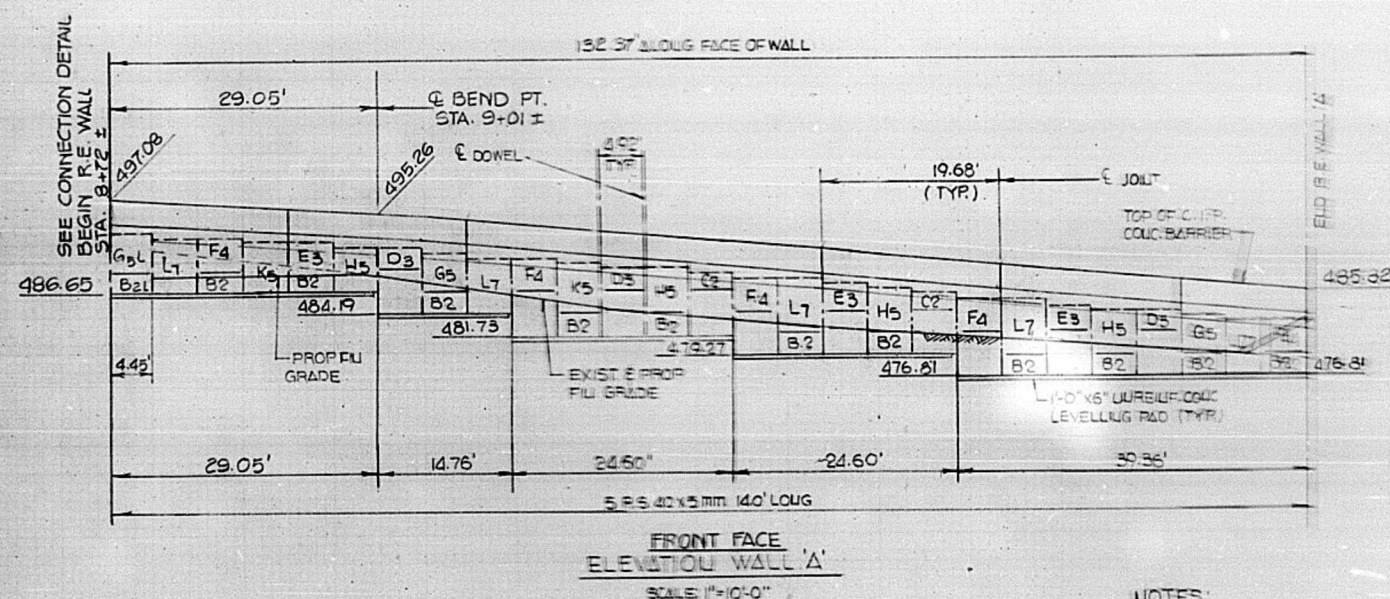
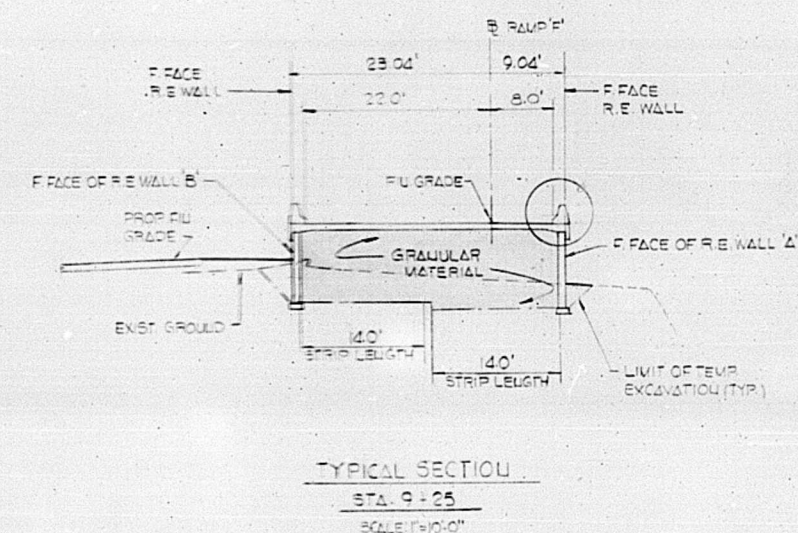
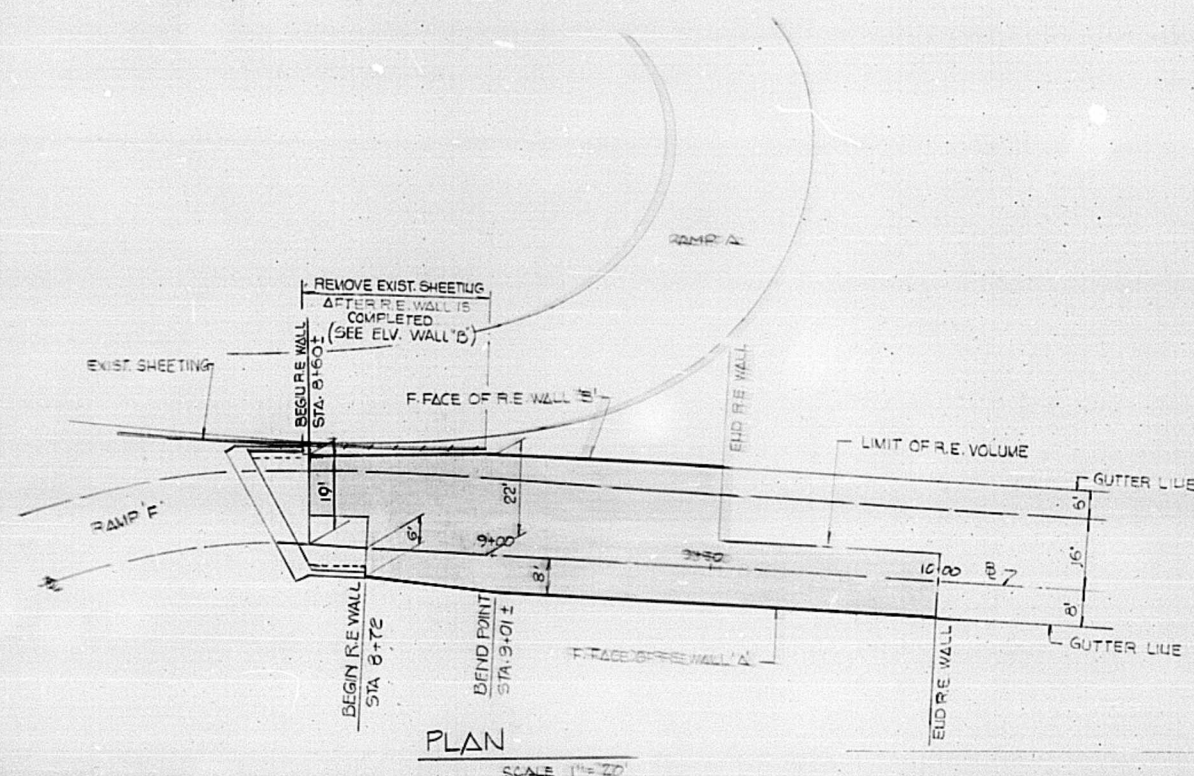
	BAR	SIZE	LENGTH	SHAPE	RAMP "F"		RAMP "A"
					WALL B	WALL A	
2'-6" Ctr	a	"5	2'-6"	_____	44	62	_____
	b	"5	23'-10"	_____	4	6	_____
	b1	"8	21'-3"	_____	8	12	_____
	b2	"5	20'-7"	_____	8	12	_____
	b3	"8	14'-6"	_____	_____	2	_____
	b4	"5	14'-6"	_____	_____	2	_____
	b5	"5	11'-6"	_____	1	_____	_____
	b6	"8	19'-5"	_____	2	_____	_____
	b7	"5	19'-5"	_____	2	_____	_____
	d	"5	3'-11"	_____	6	6	6
11" Ctr	d1	"4	4'-2"	_____	100	137	56
12" Ctr	d2	"4	5'-0"	_____	98	132	55
12" Ctr	d3	"4	2'-4"	_____	98	132	_____
	e	"4	19'-5"	_____	30	36	_____
	e1	"4	14'-6"	_____	_____	6	_____
PAY ITEMS						UNIT	QUANTITY
CLASS X CONCRETE						CU. YD.	88.50
REINFORCEMENT BARS						LBS	5335
PAVEMENT FABRIC						SQ. YD.	217
CONCRETE BARRIER SINGLE FACE						LIN. FT.	55



DETAIL
PARAPET WALL



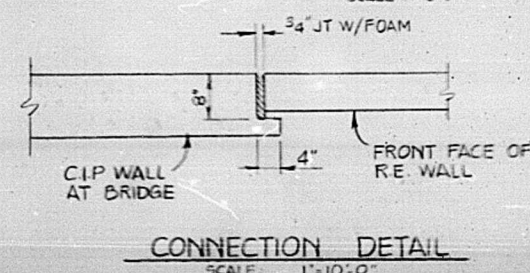
DETAIL
PARAPET WALL



PANEL SCHEDULE WALLS A & B															
STANDARD														4.45'	
THICKNESS	TYPE	1/2 F.S.	A	B	C	D	E	F	G	H	K	L	GL	BL	
7'6"		2	-	20	5	-	-	-	-	-	-	-	-	1	
		3	-	-	-	6	5	-	-	-	-	-	-	-	
		4	-	-	-	-	-	9	-	-	-	-	-	-	
		5	17	-	-	-	-	-	4	7	4	-	1	-	
	7	-	-	-	-	-	-	-	-	-	-	6	-	-	
PANEL SURFACE AREA SQ FT			24.2	12.1	8.8	12.1	14.9	17.9	20.9	24.2	27.0	30.0	18.9	10.9	

REINFORCED EARTH WALL- 1576.4 SQ.FT
(SEE SPECIAL PROVISIONS FOR MEASUREMENT FOR PAYMENT)
327--REINF-STEEL 40X5MM 14.0 LONG

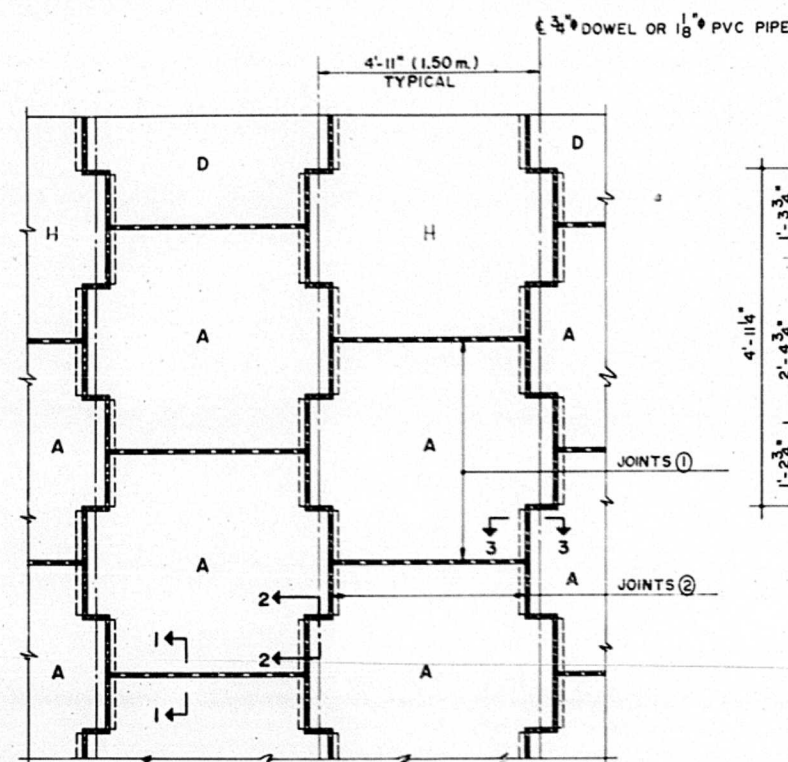
- NOTES:
1. ALL PAGES ARE TYPE 'A' UNLESS OTHERWISE NOTED
 2. STA. SHOWING BREAKOUT IS RAMPED
 3. ALL PAGES AND OTHER RELATED ELEMENTS WILL BE DETAILED ON SHOP DRAWINGS
 4. DESIGN ISSUED ON THE ASSUMPTION THAT THE MATERIAL WITHIN THE REINFORCED EARTH VOLUME, METHODS OF CONSTRUCTION AND QUALITY OF PREFABRICATED MATERIALS SHALL CONFORM TO THE MANUFACTURER'S SPECIFICATIONS.
5. SYMBOLS:
- H₅
- TYPE OF PANEL — L — UO TIE STRIPS
- ⑥ INDICATES NO. OF TIE STRIPS PER 'A' PANELS ONLY
6. FOR STANDARD PANELS SEE SHT. NO. 2
 7. CORK IS NOT REQUIRED BETWEEN CONC. LEVELLING PAD AND LOWER ROW OF PANELS.



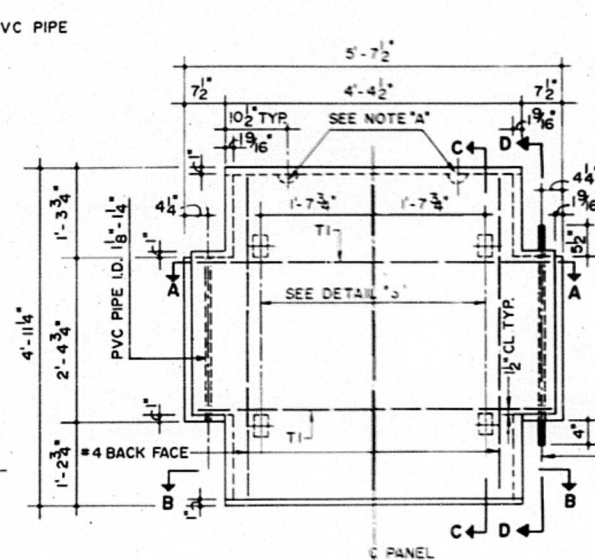
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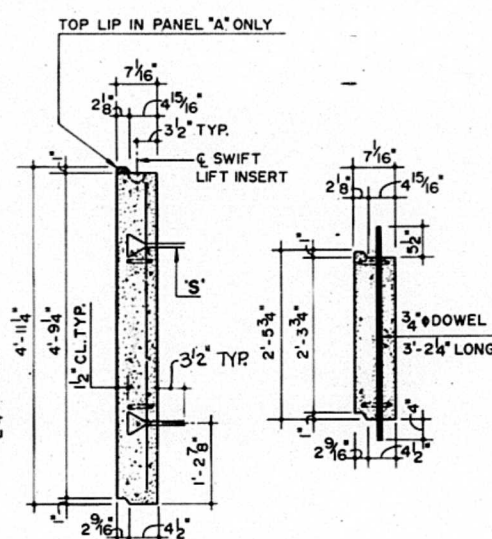
0000 0000 reinforced earth 0000		The Reinforced Earth Company Recсын Center, 1700 North Meador Street, Arlington, Virginia 22209 (703) 527-3494	
(separate sheet) National Office of Highway Planning		Structure REINFORCED EARTH WALL	
		Location PEORIA COUNTY, ILLINOIS	
		RAMP "F" APPROACH	
		Owner ILLINOIS DEPARTMENT OF TRANSPORTATION	CONTRACT NO. AE 637
		Drawn By L.R.	Date 1-7-81
		Checked By	DRAWING COVERS 1 OF 2
		PLAN, ELEVATION & SECTION	SHEET 28 SHOW
REV.	DATE	DESCRIPTION	



TYPICAL PANEL LAYOUT
SCALE 1/2"=1'-0"

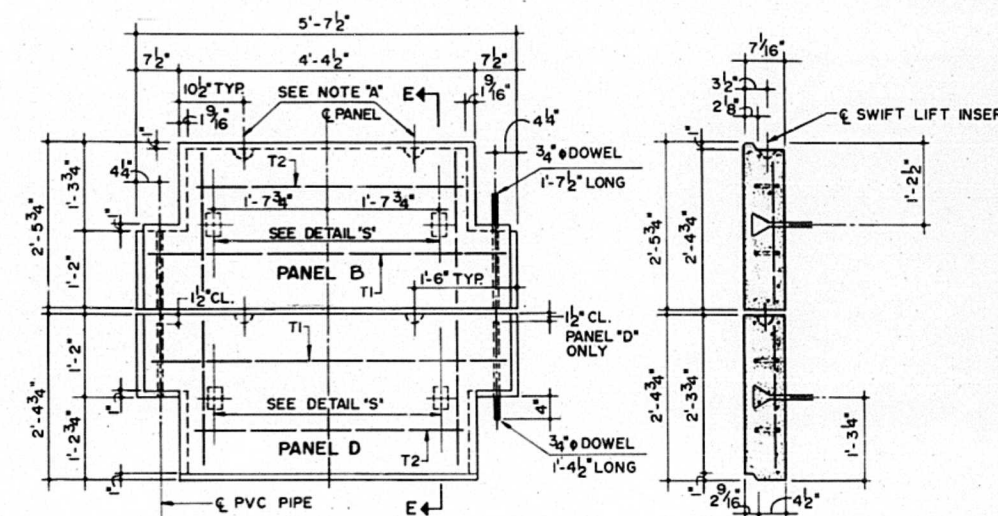


PANEL TYPE A&H
FRONT VIEW



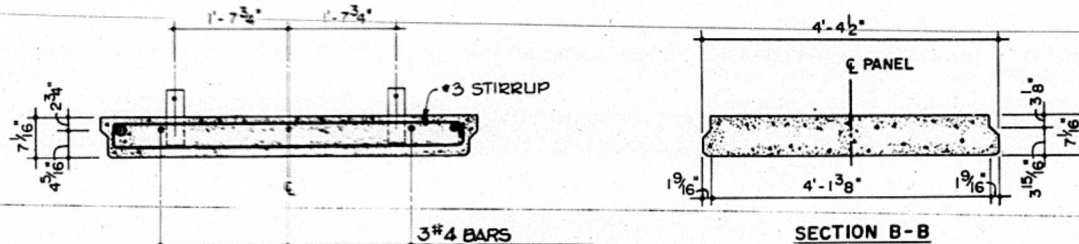
SECTION C-C

SECTION D-D



HALF PANELS B&D
FRONT VIEW

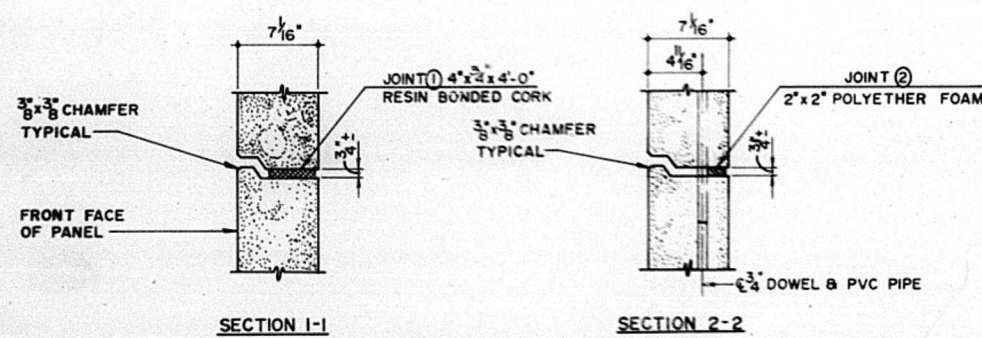
SECTION E-E



SECTION A-A

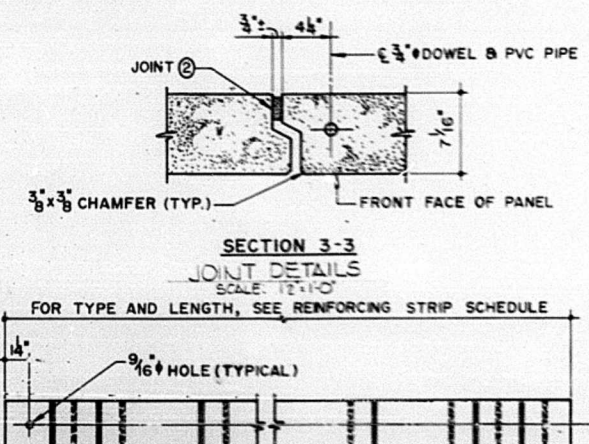
SECTION B-B

TYPICAL PANEL DETAILS
SCALE 3/4"=1'-0"



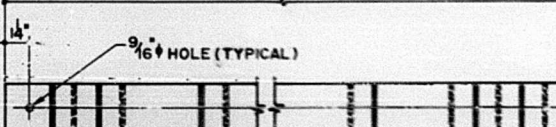
SECTION 1-1

SECTION 2-2

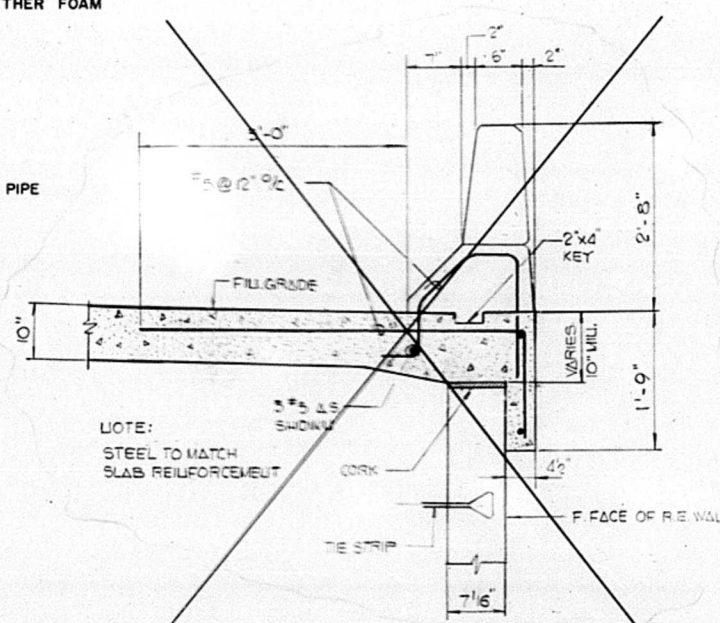


SECTION 3-3
JOINT DETAILS
SCALE 1/2"=1'-0"

FOR TYPE AND LENGTH, SEE REINFORCING STRIP SCHEDULE

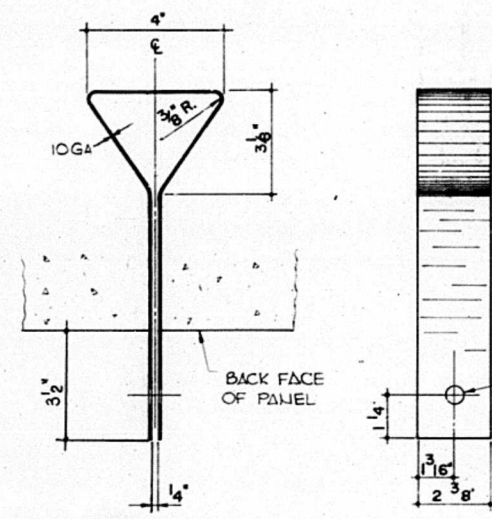


DETAIL OF REINFORCING STRIP
NOT TO SCALE



SECTION THRU CONC. BARRIER
SCALE 1/2"=1'-0"

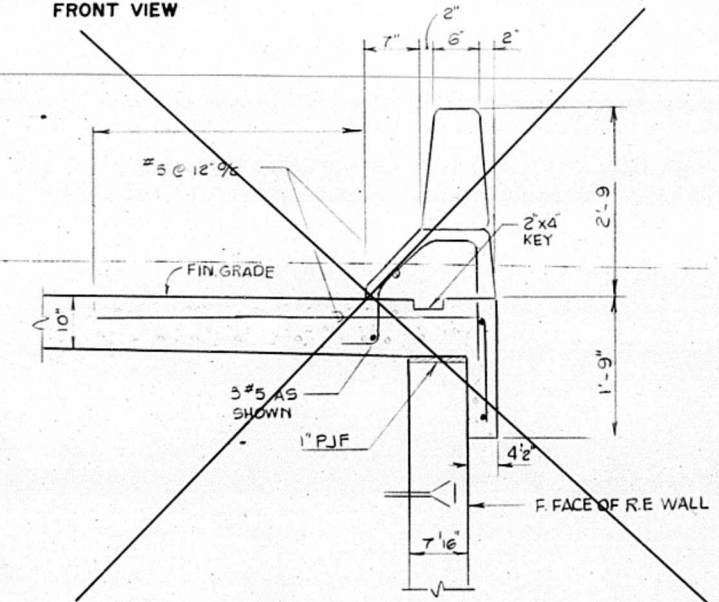
SEE SEPARATE DETAIL



TIE STRIP DETAIL "S"
NOT TO SCALE

Coat For Epoxy Coating. See Special Provisions

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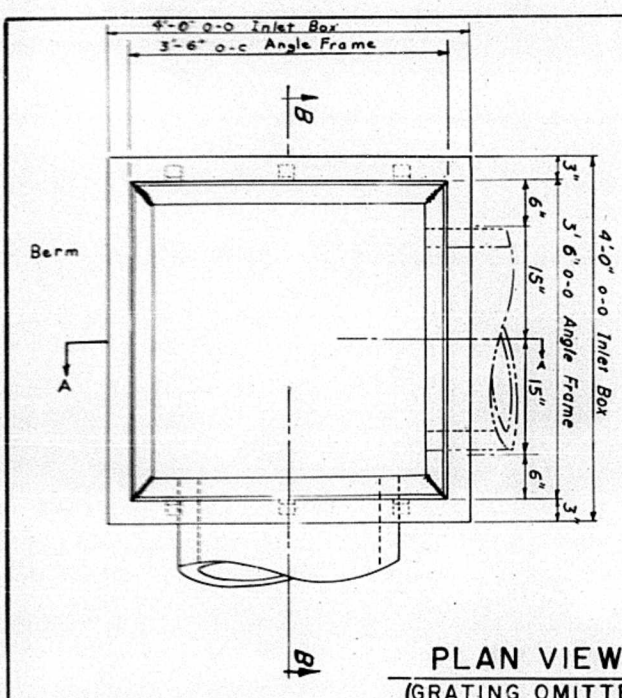
SECTION THRU CONC. BARRIER
SCALE 1/2"=1'-0"

NOTE "A"
ONE TON SWIFT LIFT INSERTS 3/8" x 3/8" LONG AS MANUFACTURED BY SUPERIOR CONC. ACCESSORIES.

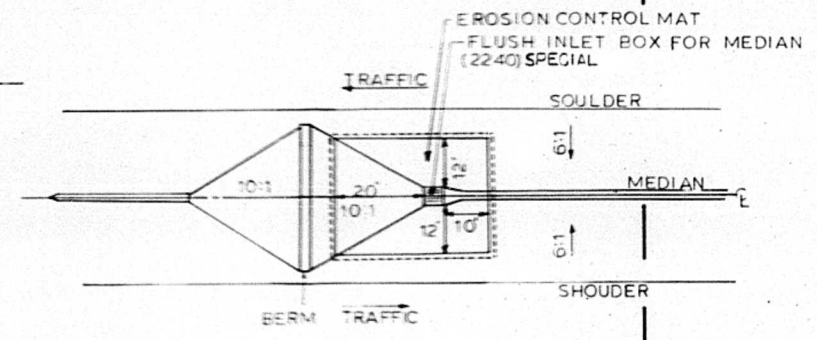
- NOTES:
1. REINFORCING BARS SHALL BE STEEL A615 GRADE 40
 2. 3/8" x 3/8" CHAMFER SHALL BE PROVIDED ON ALL EXPOSED EDGES (FRONT FACE ONLY)
 3. ALL PANELS AND OTHER RELATED ELEMENTS WILL BE DETAILED ON SHOP DRAWINGS

The Reinforced Earth Company				
1414 32nd St. N.W. Washington, D.C. 20037 Telephone (202) 233-2424 Telex 69400 Re Earth Wash				
Structure	REINFORCED EARTH WALL			
Location	PEORIA COUNTY, ILLINOIS			
	RAMP "F" APPROACH			
	ILLINOIS DEPT. OF TRANSPORTATION			
Drawn by	R.d.A.	1-7-81	837	CONTRACT NO.
Checked by				2062
TYPICAL PANEL DETAILS				AS SHOWN
REV	DATE	DESCRIPTION		

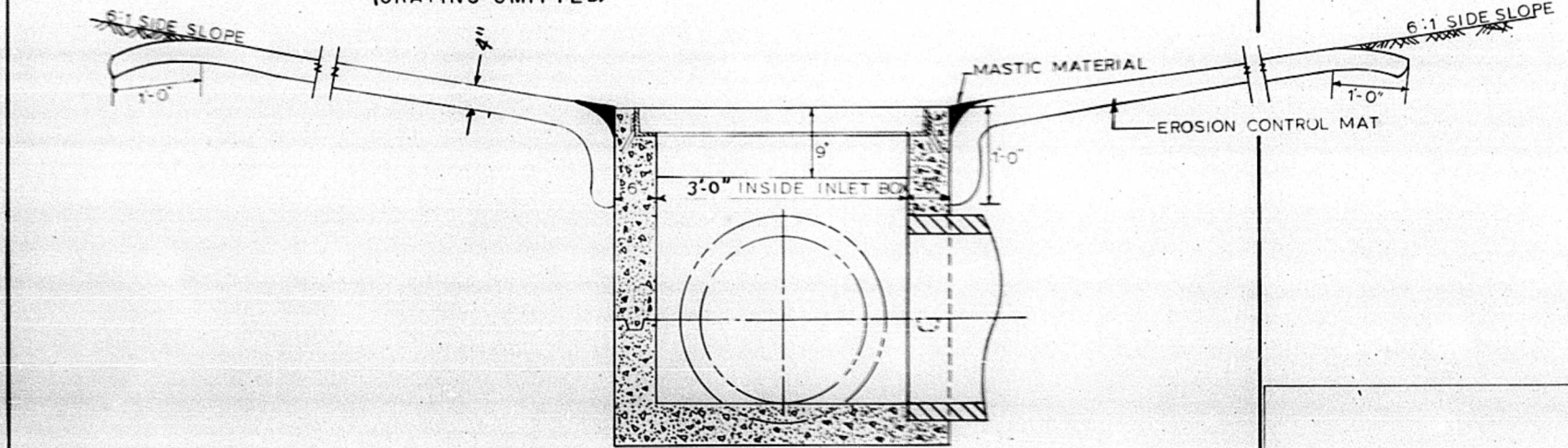
ROUTE	SECTION	COUNTY	SHEET
FA 49	(14,16) I&HL	PEORIA	TOTAL NO.
MCD.		TAZEWELL	29 15
PROJ.	STA.	TO STA.	



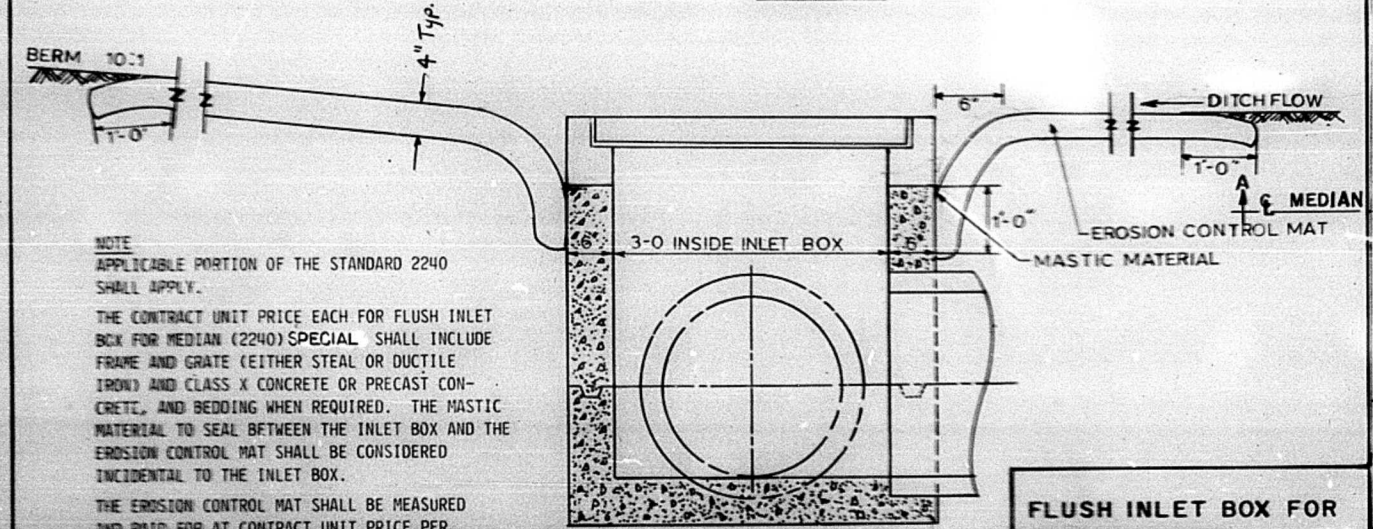
PLAN VIEW
(GRATING OMITTED)



EROSION CONTROL MAT
FLUSH INLET BOX FOR MEDIAN
(2240) SPECIAL

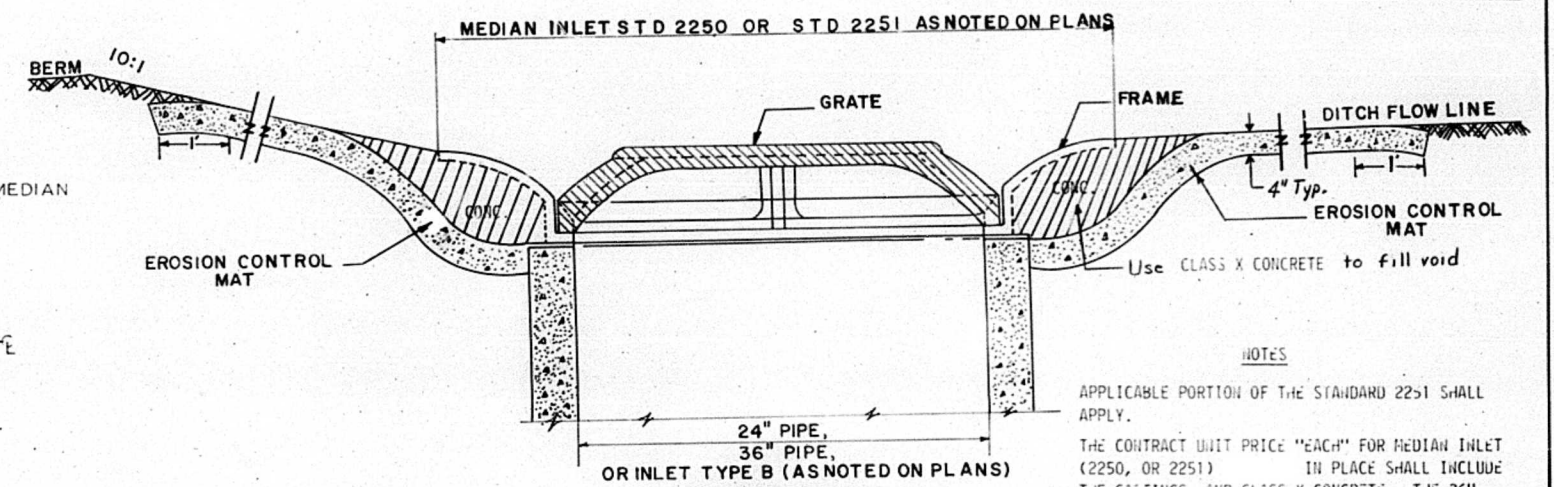


SEC B-B

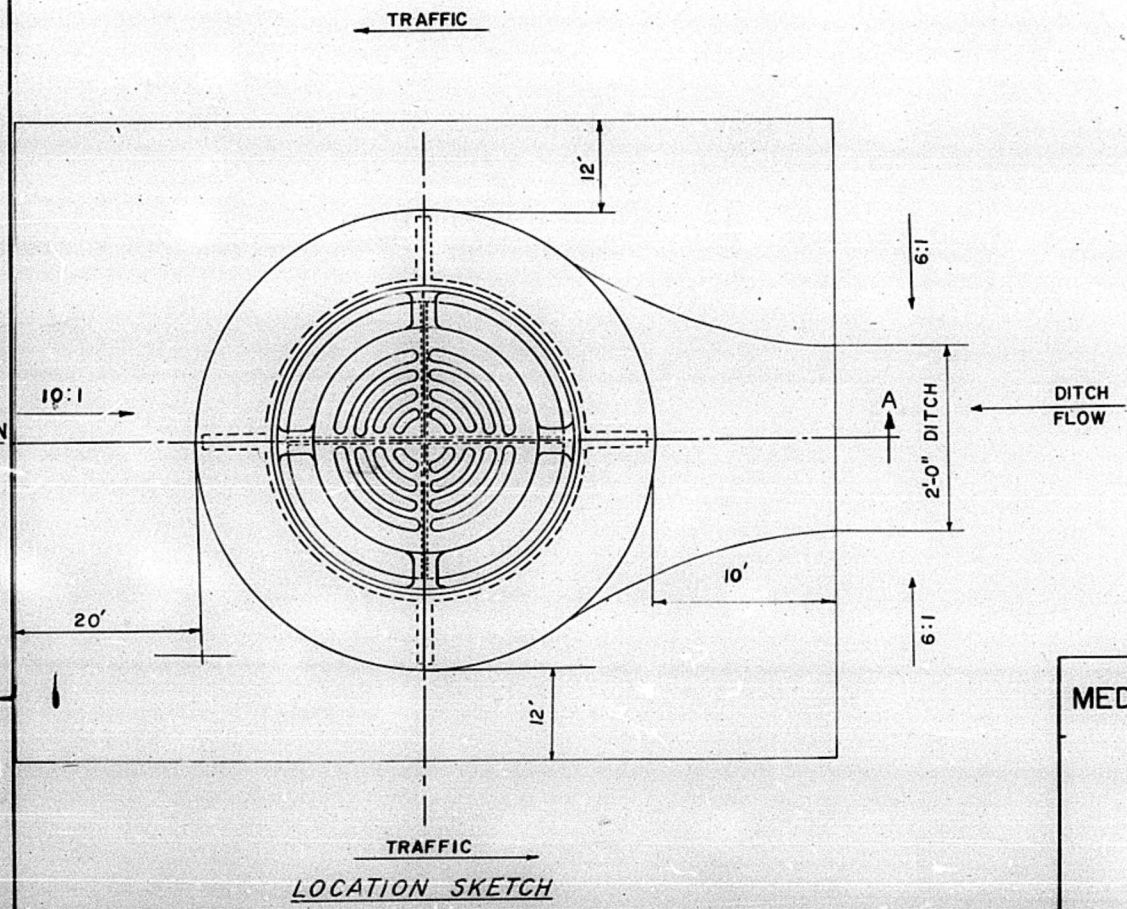


SEC A-A

FLUSH INLET BOX FOR
MEDIAN (2240) SPECIAL



SECTION A-A
SEE LOCATION SKETCH BELOW



MEDIAN INLET (2250, 2251) SPECIAL
WITH SLOPE PROTECTION

NOTES

APPLICABLE PORTION OF THE STANDARD 2251 SHALL APPLY.

THE CONTRACT UNIT PRICE "EACH" FOR MEDIAN INLET (2250, OR 2251) IN PLACE SHALL INCLUDE THE CASTINGS, AND CLASS X CONCRETE. THE 36" RCCP, 24" RCCP, OR INLET TYPE B IS NOT INCLUDED IN THE "EACH" PRICE.

THE EROSION CONTROL MAT SHALL BE MEASURED AND PAID FOR AT CONTRACT UNIT PRICE PER SQUARE YARD FOR FABRIC FORMED CONCRETE RETENTION MATS. (SEE SPECIAL PROVISIONS).

INLET-TYPE B SHALL BE CONSTRUCTED IN ACCORDANCE TO STANDARD 2349, EXCEPT WHEN MEDIAN INLET (STANDARD 2251) IS USED, THE CORREL FOR 2' OPENING WILL NOT BE REQUIRED.

EXCAVATION & BACKFILL FOR INLET & EROSION CONTROL MAT WILL NOT BE PAID FOR SEPARATELY BUT WILL BE CONSIDERED INCIDENTAL.

NOTE

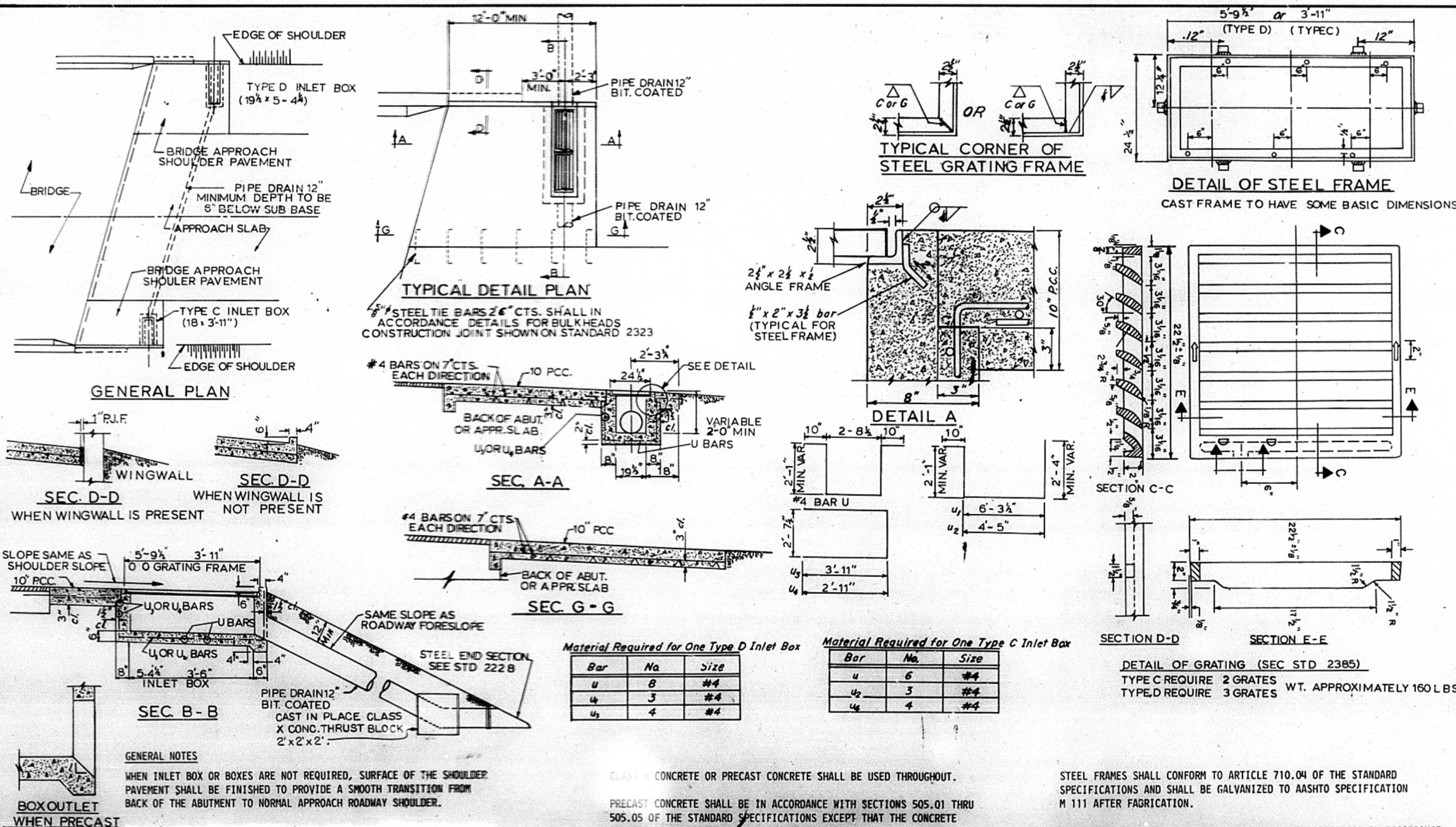
APPLICABLE PORTION OF THE STANDARD 2240 SHALL APPLY.

THE CONTRACT UNIT PRICE EACH FOR FLUSH INLET BOX FOR MEDIAN (2240) SPECIAL SHALL INCLUDE FRAME AND GRATE (EITHER STEEL OR DUCTILE IRON) AND CLASS X CONCRETE OR PRECAST CONCRETE, AND BEDDING WHEN REQUIRED. THE MASTIC MATERIAL TO SEAL BETWEEN THE INLET BOX AND THE EROSION CONTROL MAT SHALL BE CONSIDERED INCIDENTAL TO THE INLET BOX.

THE EROSION CONTROL MAT SHALL BE MEASURED AND PAID FOR AT CONTRACT UNIT PRICE PER SQUARE YARD FOR FABRIC FORMED CONC. RETEN. MATS. (SEE SPEC. PROVS.).

EXCAVATION & BACKFILL FOR INLET & EROSION CONTROL MAT WILL NOT BE PAID FOR SEPARATELY BUT WILL BE CONSIDERED AS INCIDENTAL.

ROUTE	SECTION	COUNTY	SHEET
FA 49	(14,16) I&HL	PEORIA	TOTAL NO.
MKC.		TAZEWELL	29 16
PROJ.	STA.	TO STA.	



Material Required for One Type D Inlet Box

Bar	No.	Size
u	8	#4
u ₂	3	#4
u ₃	4	#4

Material Required for One Type C Inlet Box

Bar	No.	Size
u	6	#4
u ₂	3	#4
u ₃	4	#4

GENERAL NOTES

WHEN INLET BOX OR BOXES ARE NOT REQUIRED, SURFACE OF THE SHOULDER PAVEMENT SHALL BE FINISHED TO PROVIDE A SMOOTH TRANSITION FROM BACK OF THE ABUTMENT TO NORMAL APPROACH ROADWAY SHOULDER.

USE TYPE C INLET BOX FOR 4' AND 6' SHOULDER WIDTHS; USE TYPE D INLET BOX FOR 8' AND WIDER SHOULDER WIDTHS.

FOR PLACEMENT OF DRAINAGE ELEMENTS ON EXISTING CONSTRUCTION WITH EXISTING RIGID APPROACH PAVEMENT, SUBSTITUTE EXPANSION ANCHOR BOLTS FOR TIE BARS. FOR NON-RIGID APPROACHES, SHOULDER PAVEMENT WILL BE AS SHOWN EXCEPT OMIT TIE BARS.

IF A WINGWALL IS PRESENT, MAKE THE LENGTH DIMENSION OF THE SHOULDER PAVEMENT SUCH THAT THE CENTER LINE OF THE 12" DRAIN PIPE WILL BE LOCATED AT LEAST 3 FEET PAST THE END OF THE WINGWALL.

THE MATERIAL FOR PIPE DRAIN 12" SHALL BE ~~PERMANENT~~ BITUMINOUS COATED CORRUGATED STEEL OR ALUMINUM PIPE. COST OF ~~CONCRETE TRENCH~~ TRENCH BACKFILL TO BE INCIDENTAL TO PIPE DRAIN BACKFILL UNDER PAVEMENT WITH TRENCH BACKFILL.

THE P.C. CONCRETE USED IN THE SHOULDER SLAB SHALL MEET THE REQUIREMENTS OF SECTION 408 OF THE STANDARD SPECIFICATIONS.

THE LENGTHS OF #4 BARS USED IN THE APPROACH SHOULDER PAVEMENT SHALL BE AS REQUIRED TO ACCOMMODATE THE LENGTH, WIDTH, AND SKEW OF THE SLAB.

CLASS X CONCRETE OR PRECAST CONCRETE SHALL BE USED THROUGHOUT.

PRECAST CONCRETE SHALL BE IN ACCORDANCE WITH SECTIONS 505.01 THRU 505.05 OF THE STANDARD SPECIFICATIONS EXCEPT THAT THE CONCRETE STRENGTH SHALL BE 4000 P.S.I. AFTER 28 DAYS.

EXPOSED EDGES SHALL BE BEVELED 3/4".

SHOP DRAWINGS SHALL NOT BE REQUIRED FOR THESE INLET BOXES.

A 3" DEEP SAND BEDDING CONFORMING TO ARTICLE 703.01 (FA 1 OR FA 2) SHALL BE PROVIDED UNDER FULL LENGTH AND WIDTH OF PRECAST UNITS, AND ALL JOINTS AROUND THE PIPE DRAIN ENTRANCE, BOTH INSIDE AND OUTSIDE, SHALL BE SEALED WITH MORTAR.

THE GRATE WILL BE MADE OF DUCTILE IRON CONFORMING TO THE STANDARD SPECIFICATIONS. DUCTILE IRON CASTING SHALL BE GRADE 60-40-18 AND SHALL BE PROOF LOADED IN ACCORDANCE WITH FEDERAL SPECIFICATION RR-F-621B, SECTION 3.8. THE PROOF LOAD SHALL BE 25,000 LBS. ON A 9" X 9" CAST BLOCK.

THE NOTCH IN THE GRATE AND THE 9/16" Ø HOLES IN THE FRAME ARE FOR THE FIELD INSERTION OF ONE GALVANIZED 1/2" Ø BOLT AND NUT. THE BOLT AND NUT SHALL BE PLACED, AS DIRECTED BY THE ENGINEER, TO PROVIDE FOR CORRECT REPLACEMENT OF THE GRATE DURING MAINTENANCE OPERATIONS.

THE GRATING SHALL SEAT FIRMLY IN THE FRAME BUT SHALL NOT BE SECURED TO THE FRAME.

STEEL FRAMES SHALL CONFORM TO ARTICLE 710.04 OF THE STANDARD SPECIFICATIONS AND SHALL BE GALVANIZED TO AASHTO SPECIFICATION M 111 AFTER FABRICATION.

PIPE DRAINS SHALL BE INSTALLED, MEASURED, AND PAID FOR IN ACCORDANCE WITH SECTION 607 OF THE STANDARD SPECIFICATIONS.

ALL CONNECTING BANDS SHALL HAVE A MINIMUM WIDTH OF 24 INCHES.

STEEL END SECTIONS SHALL BE INSTALLED, MEASURED, AND PAID FOR IN ACCORDANCE WITH SECTION 511 OF THE STANDARD SPECIFICATIONS.

BRIDGE APPROACH SHOULDER PAVEMENT WILL BE MEASURED IN PLACE AND PAID FOR IN SQUARE YARDS AS P.C. CONCRETE BRIDGE APPROACH SHOULDER PAVEMENT WHICH SHALL INCLUDE THE COST OF SUBGRADE PREPARATION, TIE BARS, REINFORCEMENT AND JOINT FILLERS. IN COMPUTING THE AREA FOR PAYMENT, A DEDUCTION WILL BE MADE FOR THE AREA DISPLACED BY THE INLET.

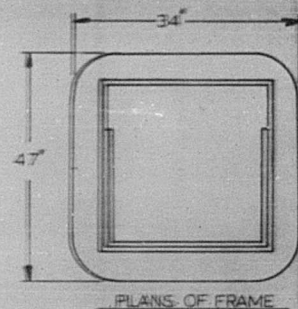
THE CONTRACT UNIT PRICE "EACH" FOR TYPE D INLET BOX, STD. 2324 (SPECIAL) OR TYPE C INLET BOX, STD. 2324 (SPECIAL), IN PLACE, SHALL INCLUDE THE FRAMES AND GRATING, CLASS X OR PRECAST CONCRETE, REINFORCEMENT BARS, EXCAVATION, BEDDING WHEN REQUIRED, AND COMPACTED BACKFILLING.

THRUST BLOCKS WILL BE PAID FOR SEPARATELY.

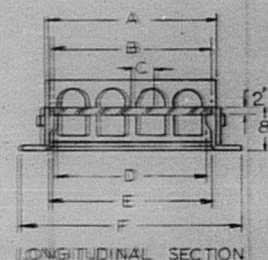
PORTLAND CEMENT CONCRETE
BRIDGE APPROACH SHOULDER
PAVEMENT

TYPE C & TYPED (SPECIAL)
INLET BOX

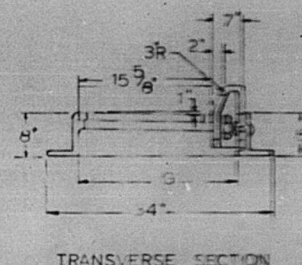
CURB INLET FRAME GRATE AND CURB BOX



PLANS OF FRAME

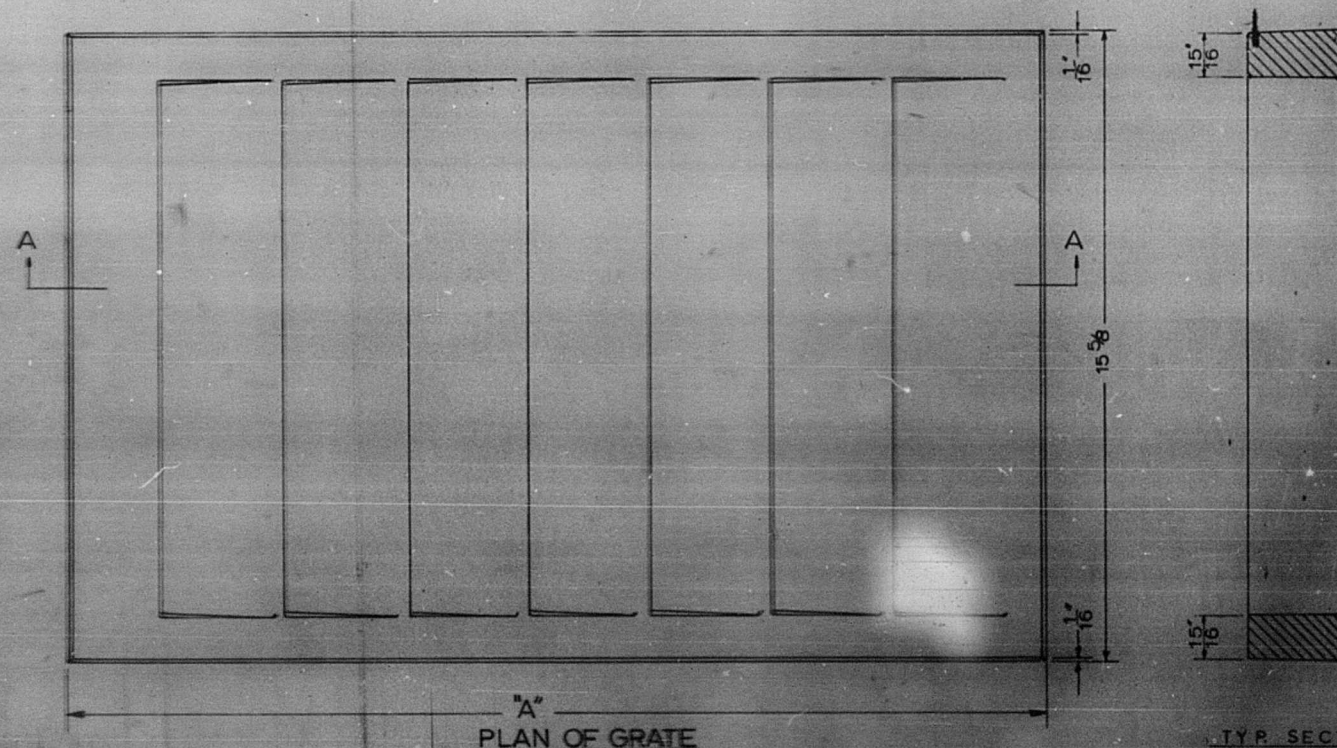


LONGITUDINAL SECTION



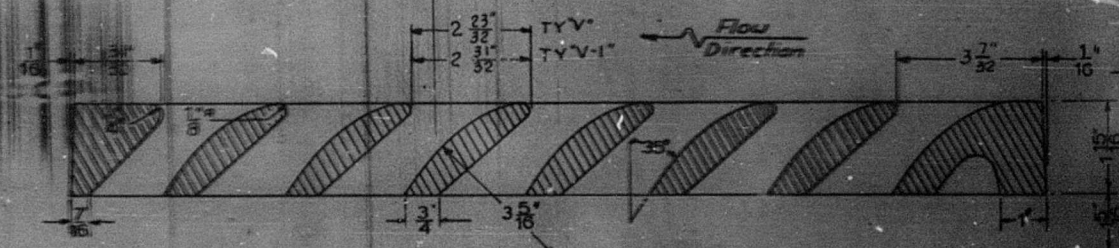
TRANSVERSE SECTION

TYPE V	DIMENSION	TYPE V-1
23 3/4"	A	36 3/4"
21 5/8"	B	34 5/8"
2 3/4"	C	2 3/2"
20"	D	32 1/8"
22"	E	35 1/4"
34"	F	47"
12 1/8"	G	22 1/8"
540"	WT.	765"



PLAN OF GRATE

TYP. SECT.



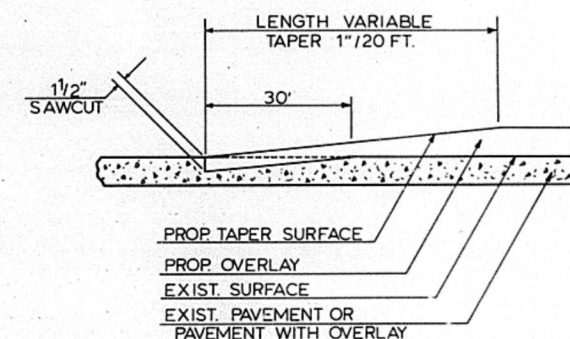
SECTION A-A

GRATE - TYPE V AND V-1

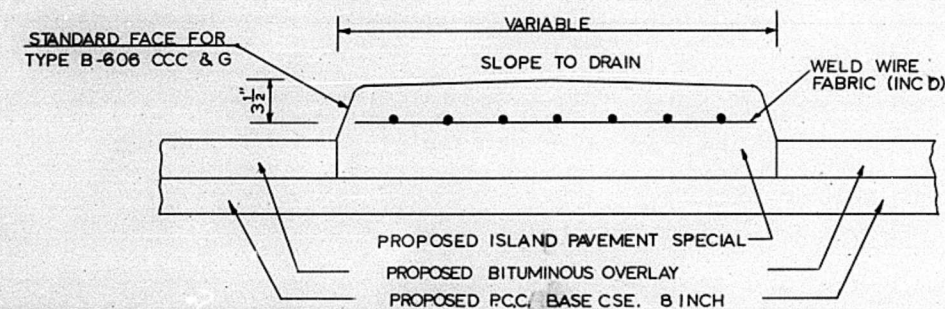
DISTRICT NO 4 - PEORIA

BUTT JOINT DETAIL

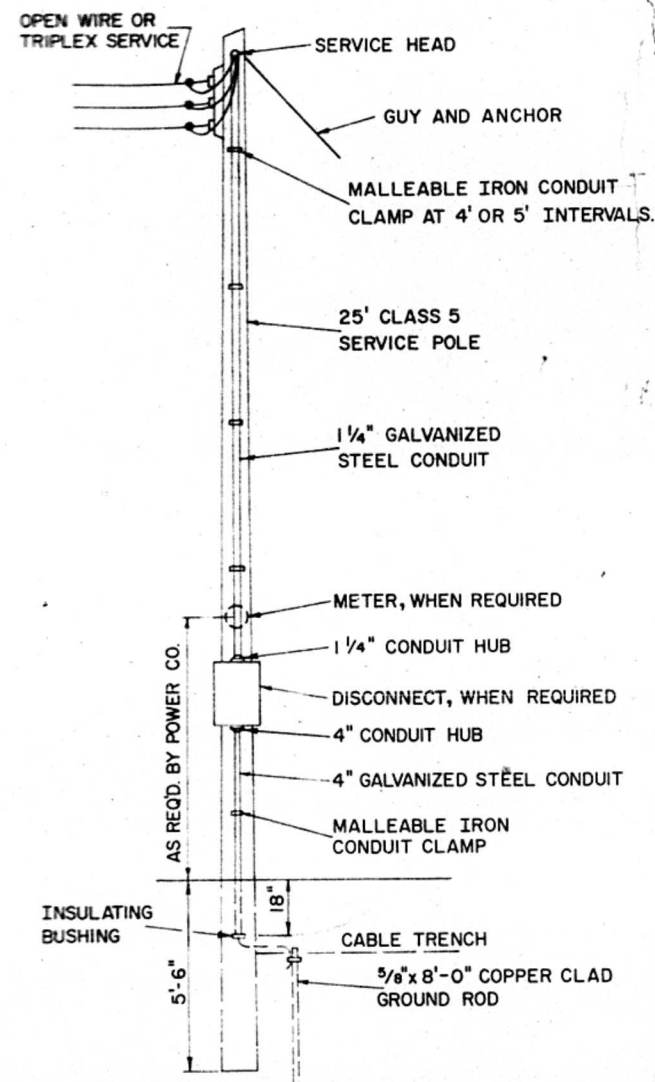
NOT TO SCALE



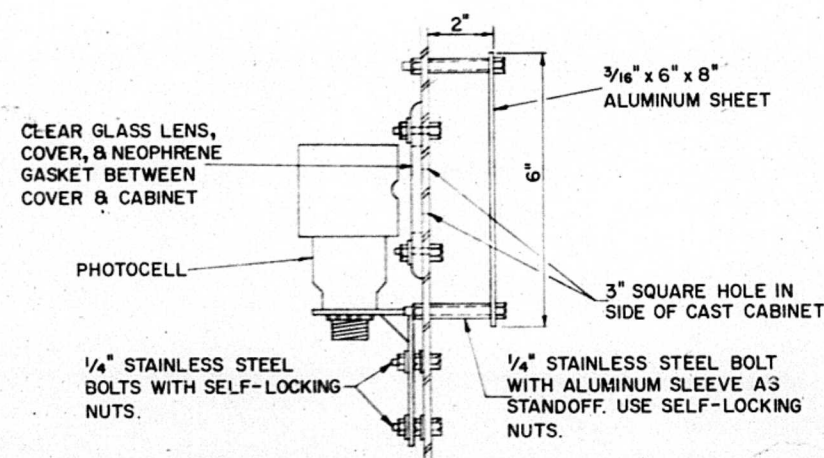
ISLAND PAVEMENT SPECIAL



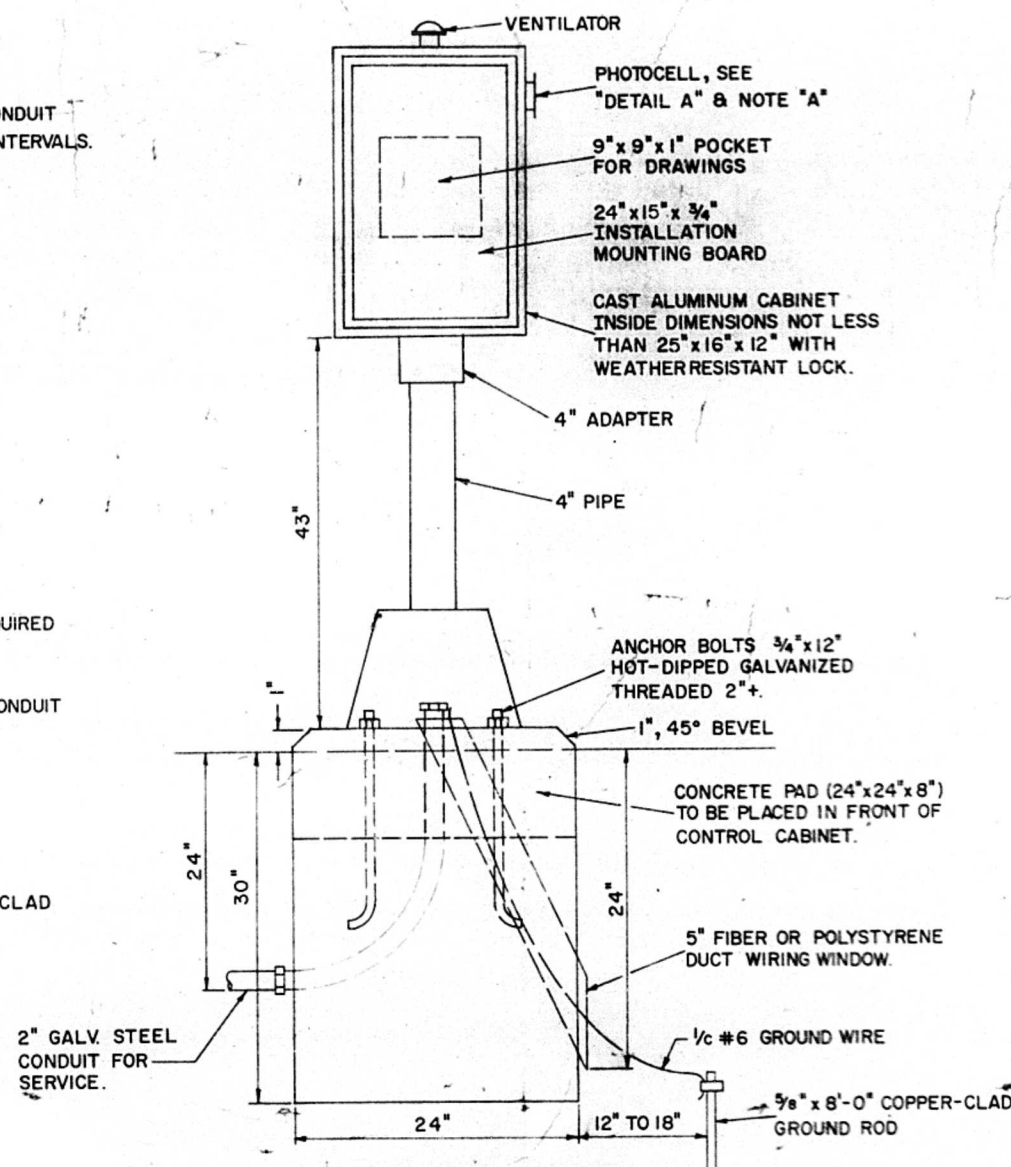
SPECIAL
DETAILS



SERVICE POLE (WHEN REQ'D.)
LOCATE ADJACENT TO R.O.W. LINE

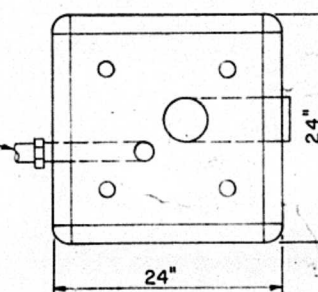


DETAIL "A"

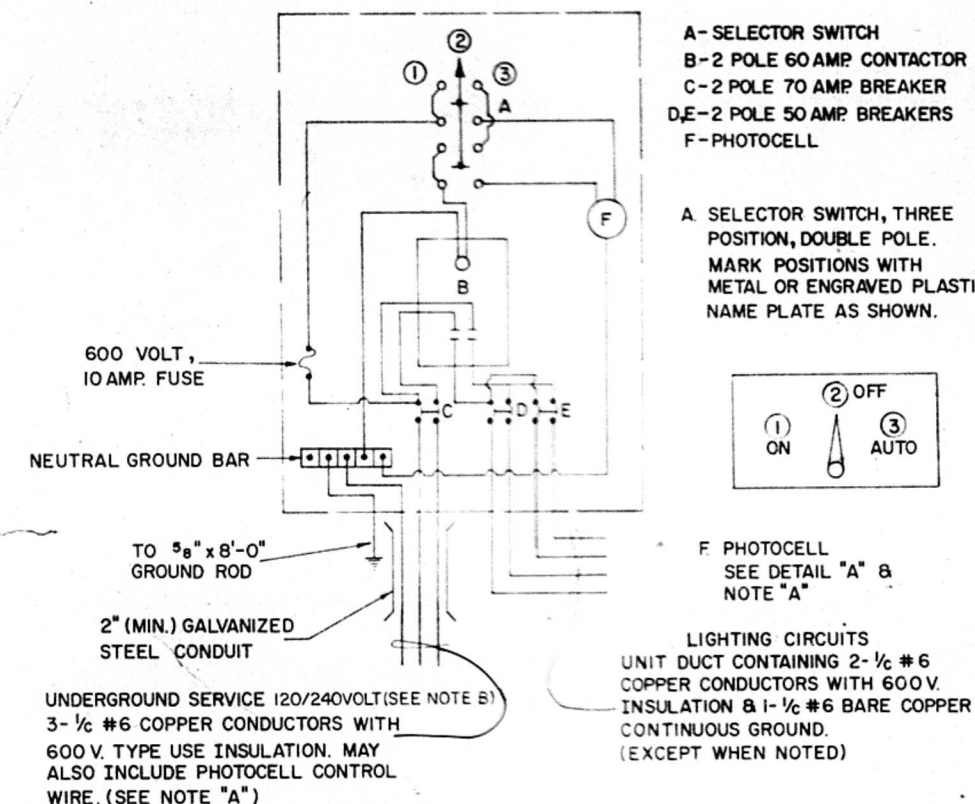


CONTROL INSTALLATION

2" GALVANIZED STEEL CONDUIT WITH 3-1/2" #6 OR LARGER TYPE USE CABLE TO SERVICE



TOP OF FOUNDATION



WIRING DIAGRAM

NOTE:
WIRING SHALL BE PANEL BOARD FASHION. ALL BENDS SHALL BE RIGHT ANGLES. ALL RUNS SHALL BE VERTICAL OR PARALLEL TO PANEL BOARD. WIRES SHALL BE GROUPED OR LACED.

NOTE "A"
WHERE UNMETERED SERVICE IS PROVIDED BY THE POWER COMPANY, THE PHOTOCELL, RECEPT., & WINDOW COVER MAY BE OMITTED. THE CONTRACTOR SHALL FURNISH AND INSTALL 2-1/2" #12 AND AERIAL WIRE IF REQUIRED FROM THE CONTROL INSTALLATION TO THE POWER COMPANY'S PHOTOCELL CONTROL AND CONNECT PER WIRING DIAGRAM.

NOTE "B"
THE UNDERGROUND SERVICE SHALL BE 30 FT. MINIMUM AND 150 FT. MAXIMUM. TOTAL AERIAL & UNDERGROUND SERVICE BETWEEN THE CONTROL INSTALLATION AND PRIMARY TRANSFORMER SHALL BE 250 FT.

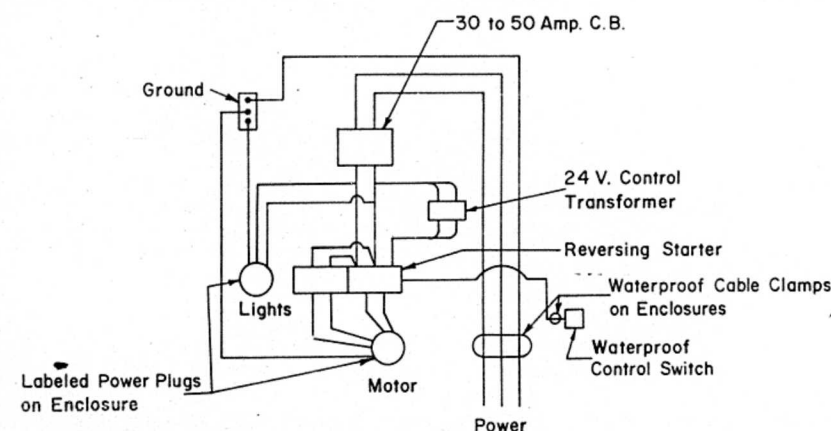
DRAWN BY JLP
FEBRUARY 16, 1979
3-28-80 JLP

CONTROL INSTALLATION

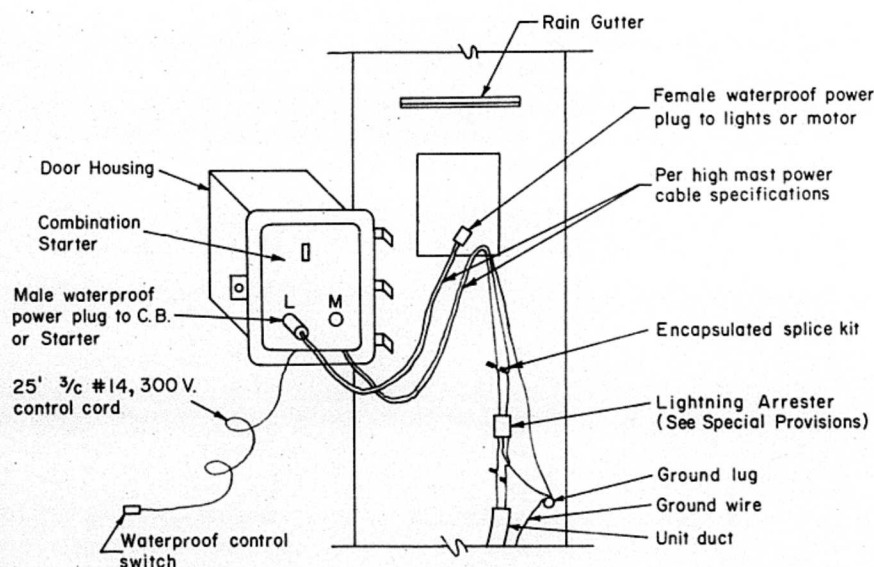
TYPE CB-RCS-60-240
FA. ROUTE 49
SECTION (14, 16)-I & HL
PEORIA-TAZEWELL COUNTIES

ROUTE	SECTION	COUNTY	Total Shts.	SHEET #
FA 49	(14.1L) I & HL	PEORIA-TRENEWELL	29	19
Fed. Rd. Dist. #7 ILLINOIS Fed. Aid Proj.				

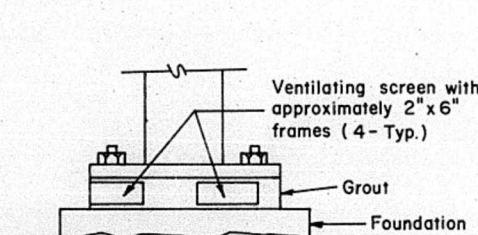
SHEET #
SHEETS



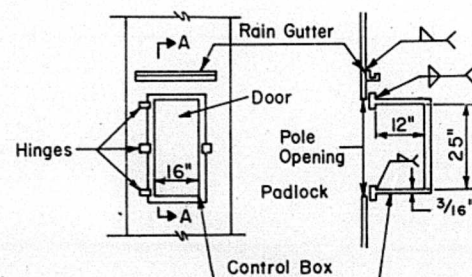
NOTE:
Manufacturer of lowering device shall factory wire the winch drive electrical control system. Cable attachment to plugs and polarity must be observed to prevent faults to ground when plugs are changed between lights and motor circuits. Alternate control schemes shall be approved by the Engineer.



HIGH MAST POLE WIRING DETAILS



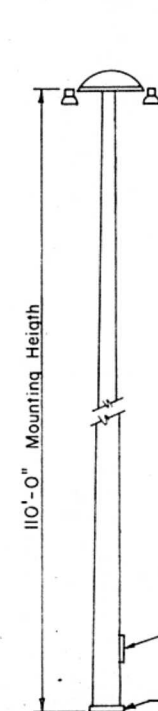
DETAIL "B"



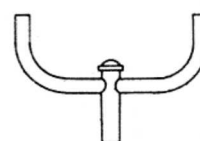
Dimensions are approximate-
(See Special Provisions)

DETAIL "A"

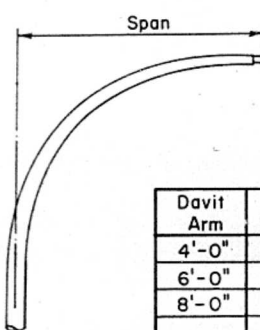
SECTION A-A



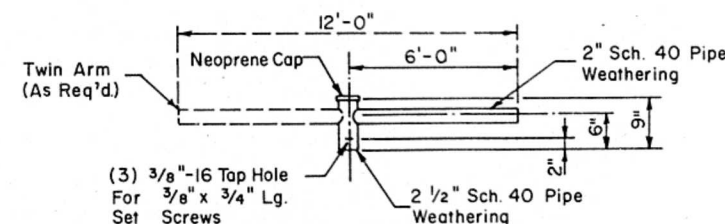
☐ HIGH MAST POLE



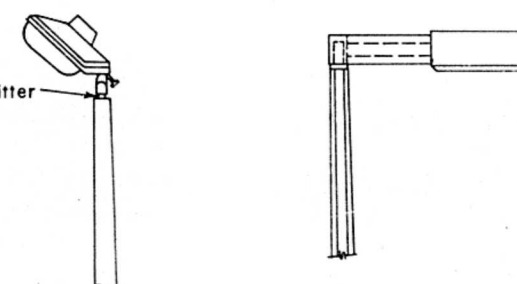
☐ TWIN TENON



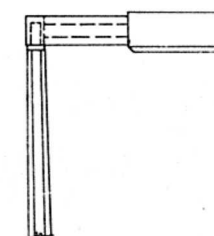
☒ DAVIT ARM



☐ TENON MOUNTED BRACKET ARM

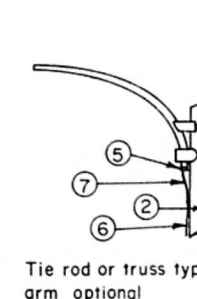


☐ TENON

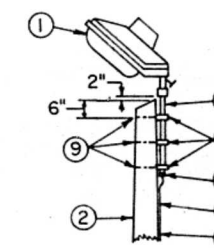


☐ SHORT BRACKET

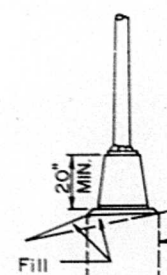
- ① Luminaire
- ② Wood pole, class 3 or better
- ③ 2 1/2" Galv. steel conduit
- ④ Single offset pole band
- ⑤ Conduit bushing
- ⑥ Cable clamps on 2'-0" centers
- ⑦ 2/c #12 type USE cable
- ⑧ 1" Galv. steel conduit 10'-0" in length
- ⑨ 3/8" φ hot dipped galvanized bolt with flat washer and locknut (3 Req'd.)
- ⑩ Conduit clamps on 3'-0" centers
- ⑪ Unit duct
- ⑫ Threaded reducer
- ⑬ "C" Condulet, threaded
- ⑭ 1 1/2" Galv. steel conduit for 1 unit duct or 3" Galv. steel conduit for 2 or 3 unit ducts



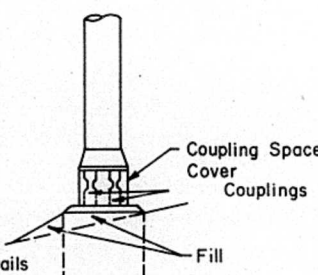
☐ MAST ARM



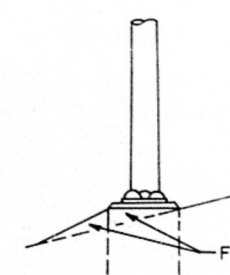
☐ TENON



☐ TRANSFORMER BASE



☒ BREAKAWAY COUPLING

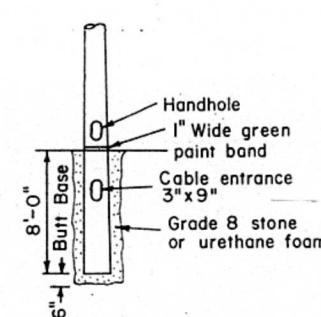


☐ FRANGIBLE

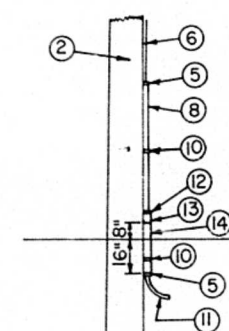
☒ METAL

OR

☐ CONCRETE



☐ BUTT BASE



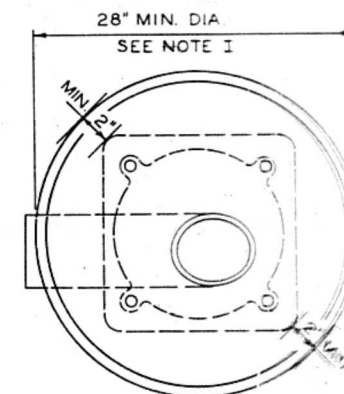
☐ POLE, WOOD

POLE LENGTH	DEPTH IN GROUND
65'	12'
60'	10'
55'	9'
50'	8'
45'	7'
40'	6.5'
35'	6'
30'	5.5'

Dwn. By: J.L.P.
March 20, 1980

POLE STANDARDS

SHEET #

[illegible]

SEE NOTE VI

1" ϕ STEEL ANCHOR BOLTS THREADED
4" + AND HOT DIP GALVANIZED 9" $\pm$ 1".
4" $\pm$ 1" HOOK ON THE OTHER END.
SEE NOTE III.



THE TOP 15" ONLY SHALL BE FORMED.
CONCRETE BOUNDED BY UNDISTURBED
EARTH ONLY SHALL FILL THE REMAINDER
OF THE HOLE.

NOTE 1:
MINIMUM CLEARANCE FROM THE OUTSIDE
EDGE OF FOUNDATION TO ANY PART OF
THE POLE BASE PLATE SHALL BE 2".

NOTE II:
THE DEPTH OF THE FOUNDATION MAY BE REDUCED 6" FOR EVERY FOOT OF ROCK ENCOUNTERED WITH A MINIMUM DEPTH OF 4'-6". WHEN THE DEPTH OF THE FOUNDATION IS DECREASED TO LESS THAN... 6' THE ANCHOR BOLTS SHALL BE CUT, THREADED, AND A STEEL PLATE 20"x20"x 1/4" SHALL BE INSTALLED ON THE ANCHOR BOLTS 6" ABOVE THE BOTTOM OF THE EXCAVATION. THE COST SHALL BE INCIDENTAL TO THE FOUNDATION.

NOTE III:
ON PAPAPET WALLS USE 1/4" ϕ ANCHOR BOLTS.
USE SELF-LOCKING NUT AND FLAT WASHER.
DO NOT USE LOCKWASHER
FOR DETAILS SEE STANDARD III/2.35 OF THE
BRIDGE DESIGN MANUAL.

NOTE IV:
BEND RADIUS SHALL BE FOUR TIMES THE
BOLT DIAMETER.

NOTE V:
CONNECT GROUND WIRES TO POLE BASE
GROUND LUG, NOT ANCHOR BOLTS OR
TRANSFORMER BASE.

POLE FOUNDATIONS

DRAWN BY JLP	
JANUARY 1, 1976	
JLP	10-15-76
JLP	1-1-77
JLP	4-4-77
JLP	3-9-78
JLP	6-6-78

5" DIA. FIBER OR POLYETHYLENE DUCT WIREWAY.

ANCHOR BOLT NUMBER, DIAMETER & LENGTH SHALL BE DETERMINED BY THE APPROVED DRAWINGS FURNISHED BY THE POLE MANUFACTURER. (MINIMUM 6 REQ'D.)

1" CHAMFER

ELEV. TOP

COMPACT IMPERVIOUS MATERIAL AROUND FOUNDATION. (COST IS INCIDENTAL)

4" SPIRAL ROD @ 6" PITCH

16 - #11 V-BARS SEE SEC. B-B

48" DIA. MINIMUM

ELEV. BTM.

SECTION B-B

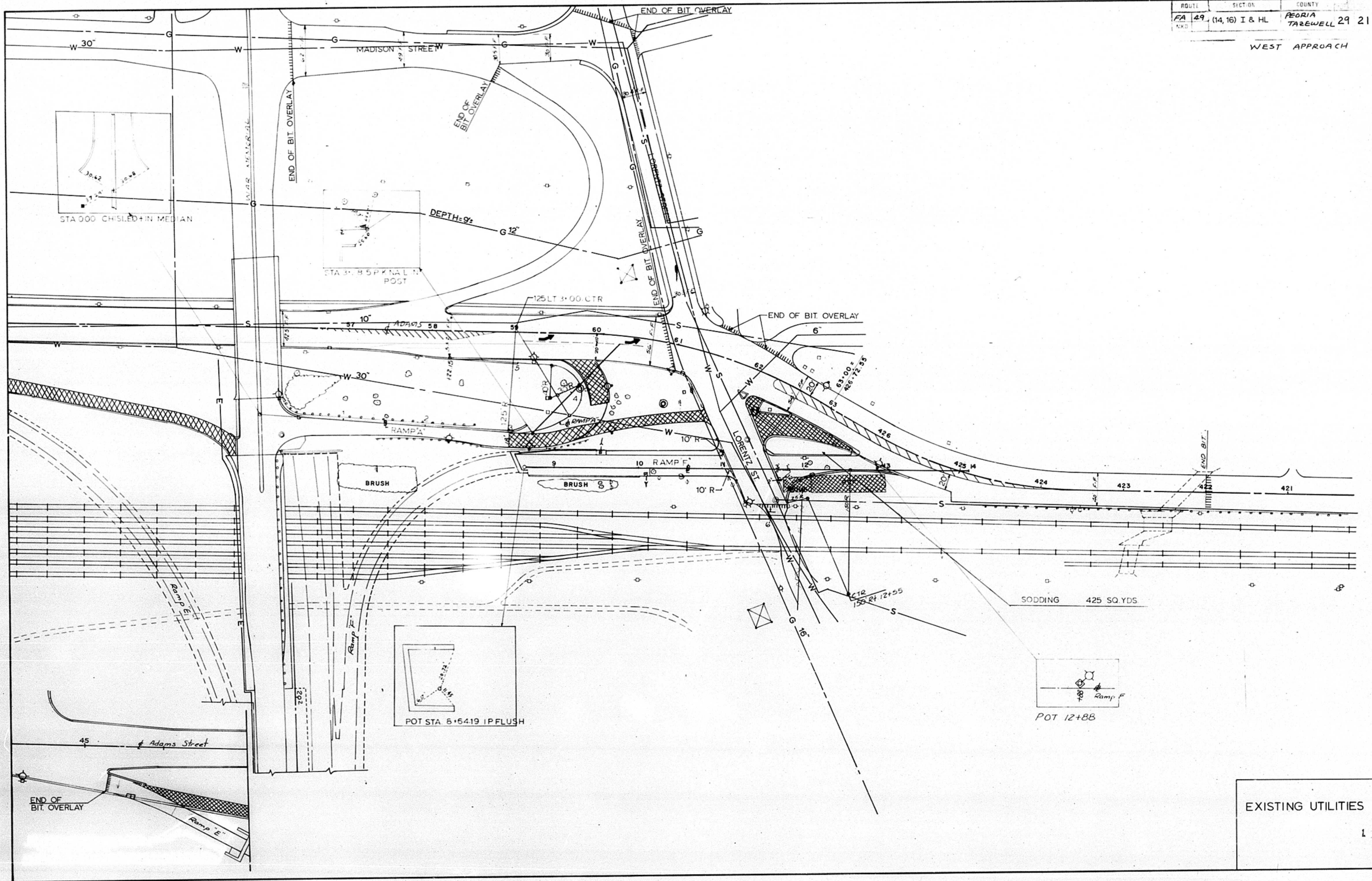
METHOD OF BOLT ANCHORAGE OF EMBEDDED END SHALL BE APPROVED BY THE ENGINEER. THE UPPER 3'-6" OF THE FOUNDATION SHALL BE FORMED. CLASS X CONCRETE SHALL BE USED. THE COST OF REINFORCING IS INCIDENTAL TO THE FOOTING.

* NOTE: DIMENSION "A" IS BASIS OF PAYMENT.

~~SECTION B-B~~

METHOD OF BOLT ANCHORAGE OF
EMBEDDED END SHALL BE APPROVED
BY THE ENGINEER.
THE UPPER 3'-6" OF THE FOUNDATION
SHALL BE FORMED.
CLASS X CONCRETE SHALL BE USED.
THE COST OF REINFORCING IS INCIDENTAL
TO THE FOOTING.

* NOTE:
DIMENSION "A" IS BASIS OF PAYMENT.



EXISTING UTILITIES

ROUTE	SECTION	COUNTY	SHEET
FA 49	(14.16) I + HL	PEORIA	TOTAL NO.
MKD.		TABERWELL	29 23
PROJ.	STA 246+40 TO STA 250+00		

EAST APPROACH

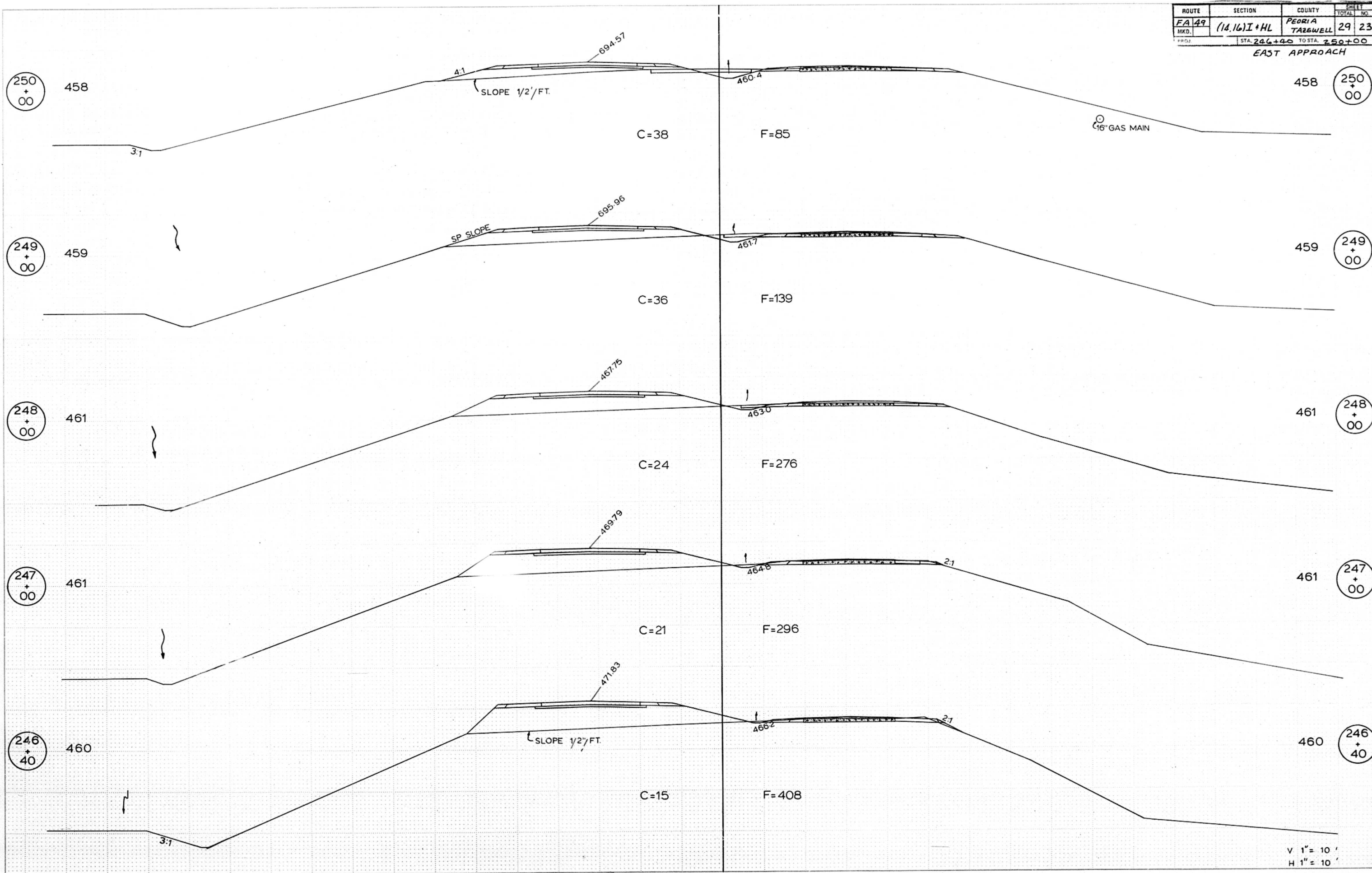
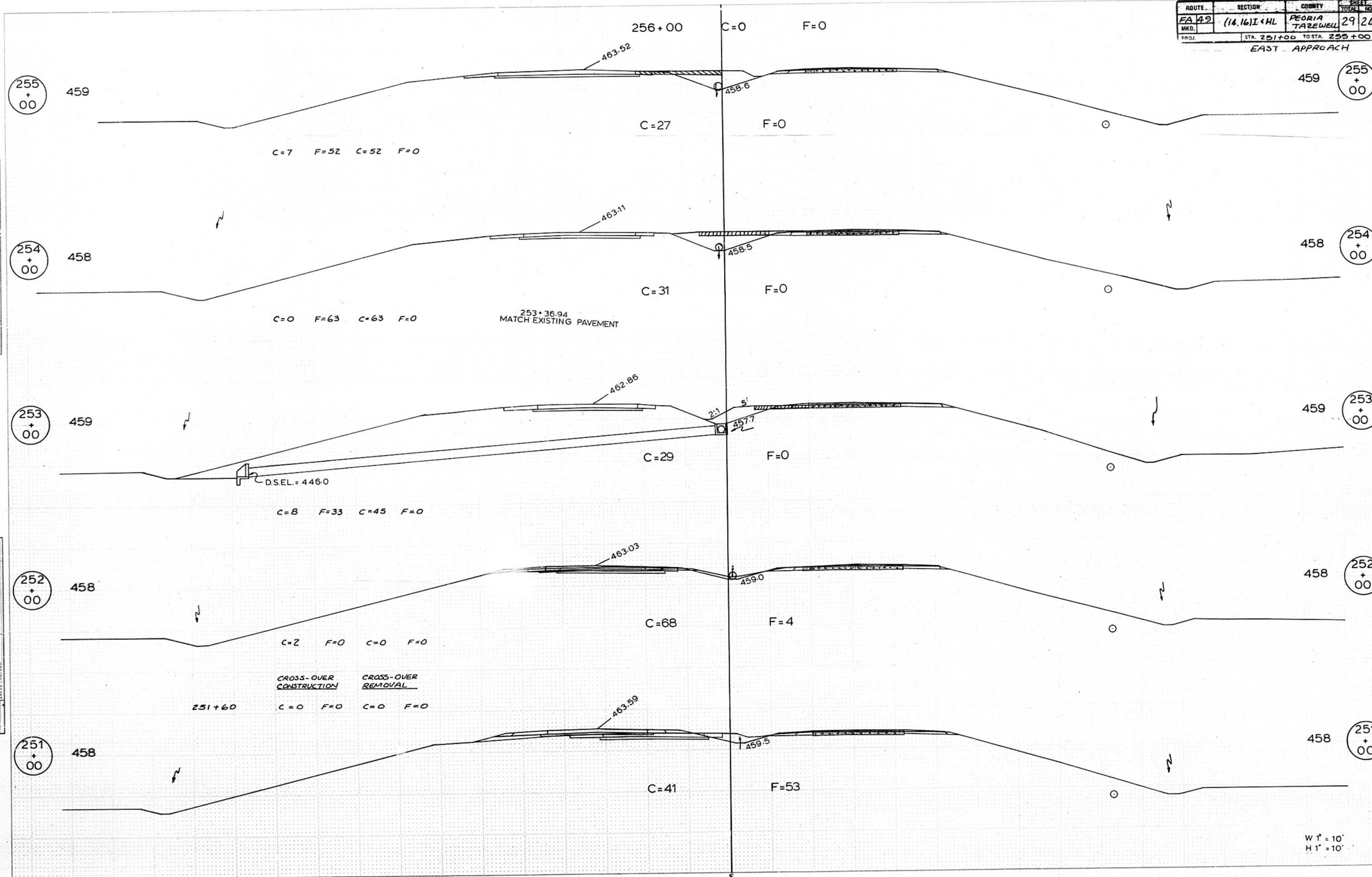


PLATE 3-FULL CROSS SECTION

V 1" = 10'
H 1" = 10'

ROUTE	SECTION	COUNTY	SHEET
FA 42	(14.16) I+HL	PEORIA	29 24
MKD.		TAREWELL	
PROJ.	STA. 251+00	TO STA. 255+00	

EAST - APPROACH



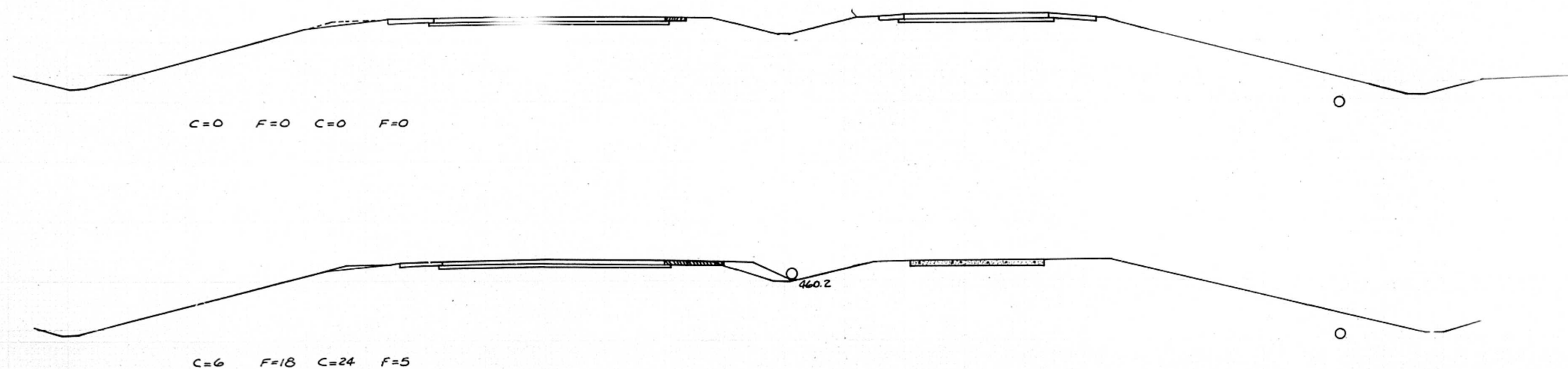
W 1' = 10'
H 1' = 10'

ROUTE	SECTION	COUNTY	SHEET
FA 49	(14.16) I.H.L.	PEORIA	TOTAL 29
NO.		TAKEWELL	NO. 25
NO.	STA. 256+00 TO STA. 257+00		

EAST APPROACH

257+60

CROSS-OVER CONSTRUCTION	CROSS-OVER REMOVAL
C=0 F=0	C=0 F=0



460 (257+00)

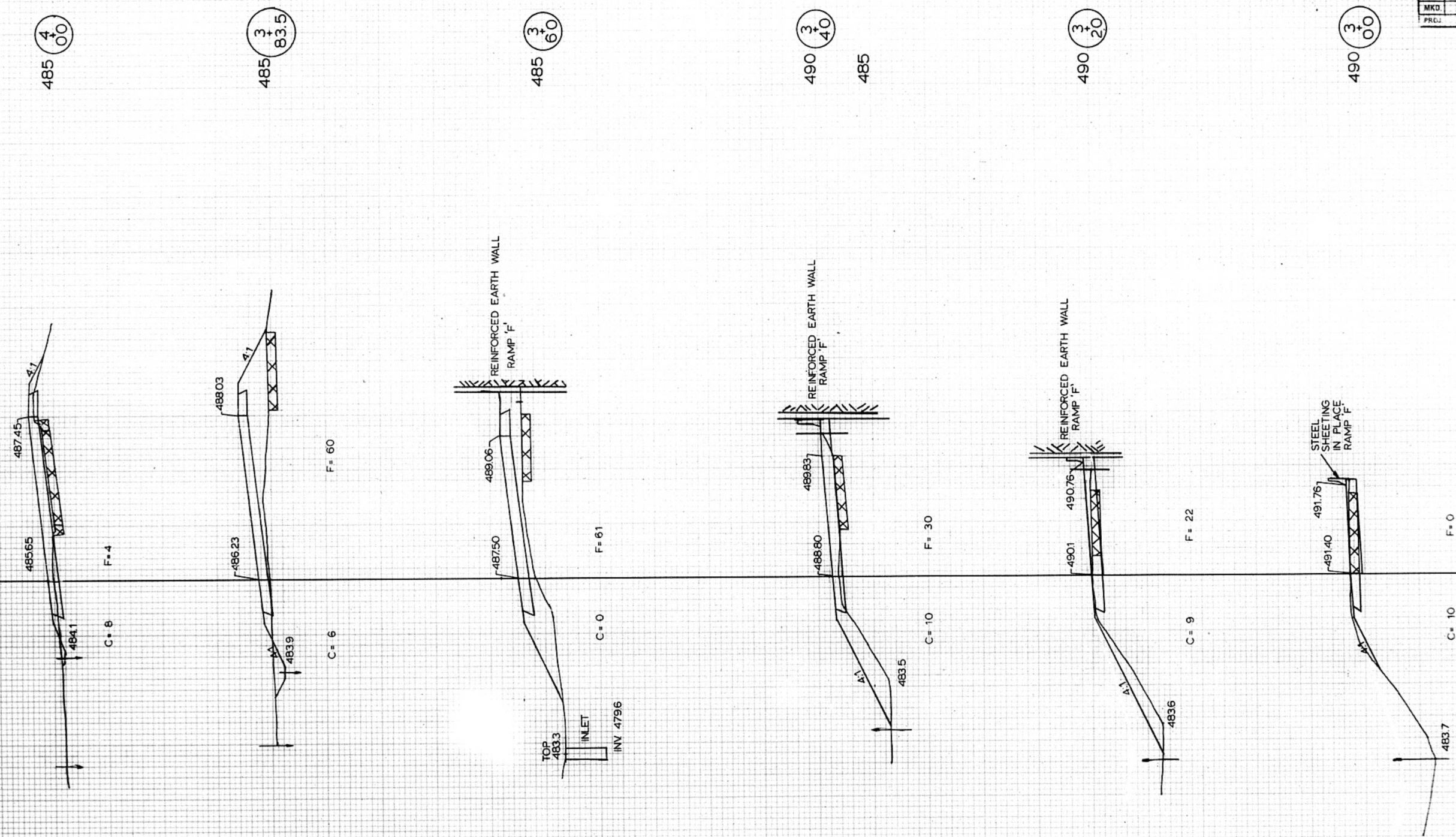
460 (256+00)

V 1"=10' H 1"=10'

NO.	NOTE BOOK	DATE	NO.
1	FINAL SURVEY	10/1/50	1
2	SURVEYED	10/1/50	2
3	PICTURED	10/1/50	3
4	TELETYPE	10/1/50	4
5	ATLAS	10/1/50	5
6	ATLAS CORRECTED	10/1/50	6

WEST APPROACH
Ramp A

1" = 10' HORIZ.
1" = 5' VERT.



ORIGINAL SURVEY	DATE	BY	REVISION
DATE	NO.	BY	REVISION
DATE	NO.	BY	REVISION
DATE	NO.	BY	REVISION

LOCAL SURVEY	DATE	BY	REVISION
DATE	NO.	BY	REVISION
DATE	NO.	BY	REVISION
DATE	NO.	BY	REVISION

1"=10' HORIZ.
1"=5' VERT.

48739 ADAMS STREET
C=0 F=0

48706 ADAMS STREET
C=1 F=0

48661 END SHOULDER START C&G
C=8 F=0

48606 ADAMS STREET
4850 C=16 F=0

48541 ADAMS STREET
4845 C=21 F=0

48709
48529 4843 C=15 F=15

485 5 80

485 5 40

485 5 00

485 4 65

485 4 40

480

490

485 4 20

480

ROUTE	SECTION	COUNTY	SHEET TOTAL	SHEET NO.
FA 149	(14.16) I+HL	PEORIA	29	27
NO.	STA. 4+20	TO STA. 5+80	WEST APPROACH Ramp A	

50 RAMP 'A' MC CLUGGAGE BRIDGE 100

ROUTE	SECTION	COUNTY	SHEET
FA 49	(14.16) I+HL	PEORIA	TOTAL NO.
MKD.		TAREWELL	29 28
PRJ.	STA 8+75	TO STA 10+50	

WEST APPROACH
Ramp F



1"=5' VERT.
1"=10' HORIZ.

50 RAMP 'F' MC CLEGGAGE BRIDGE

8
+
588
495

8
+
00
495

7
+
50
495

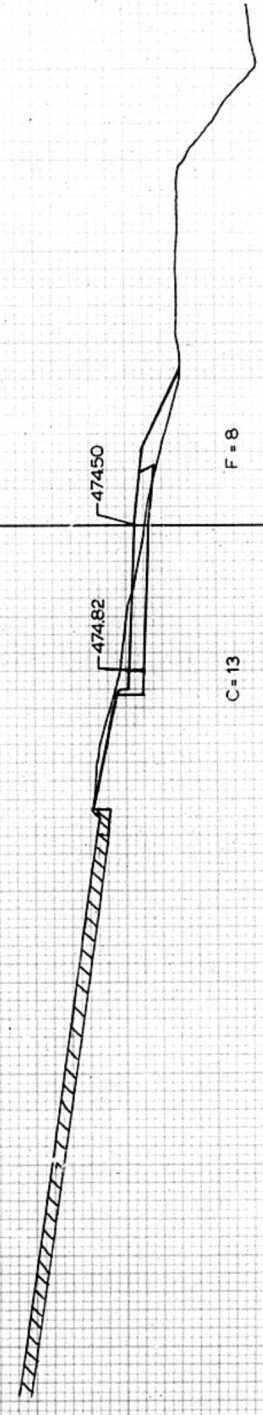
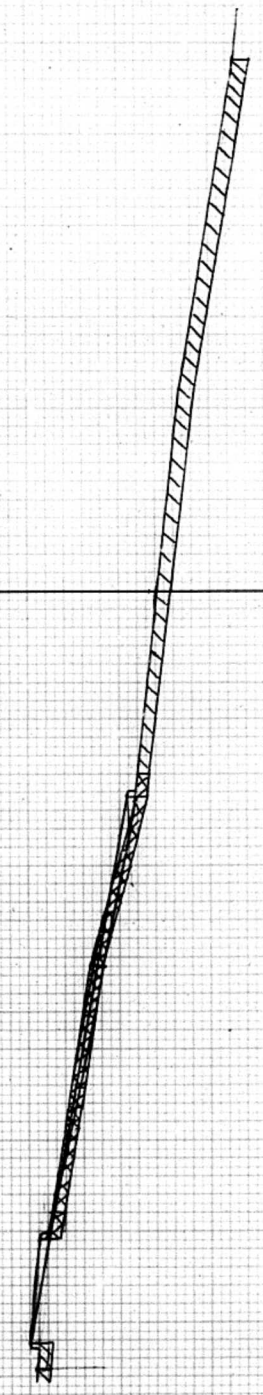
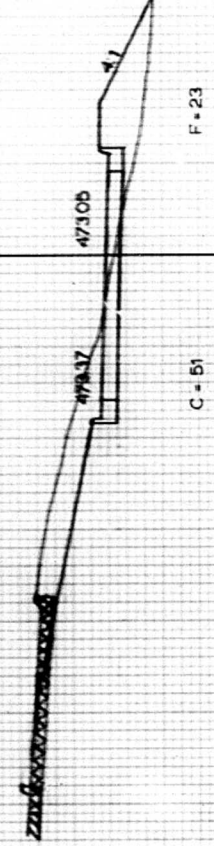
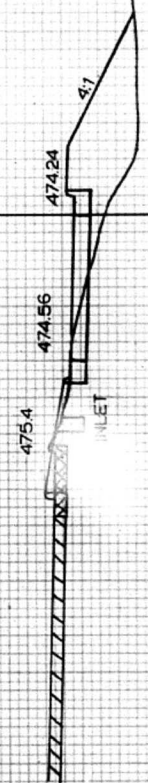
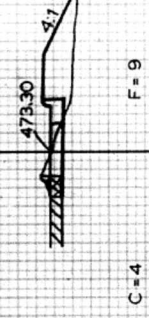
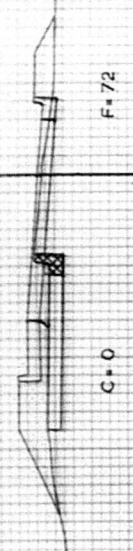
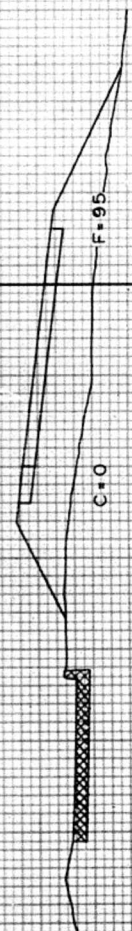
13
+
00
470

12
+
50
475

12
+
00
475

11
+
50
475

11
+
00
475



RAMP 'E'

1"=5' VERT.
1"=10' HORIZ.

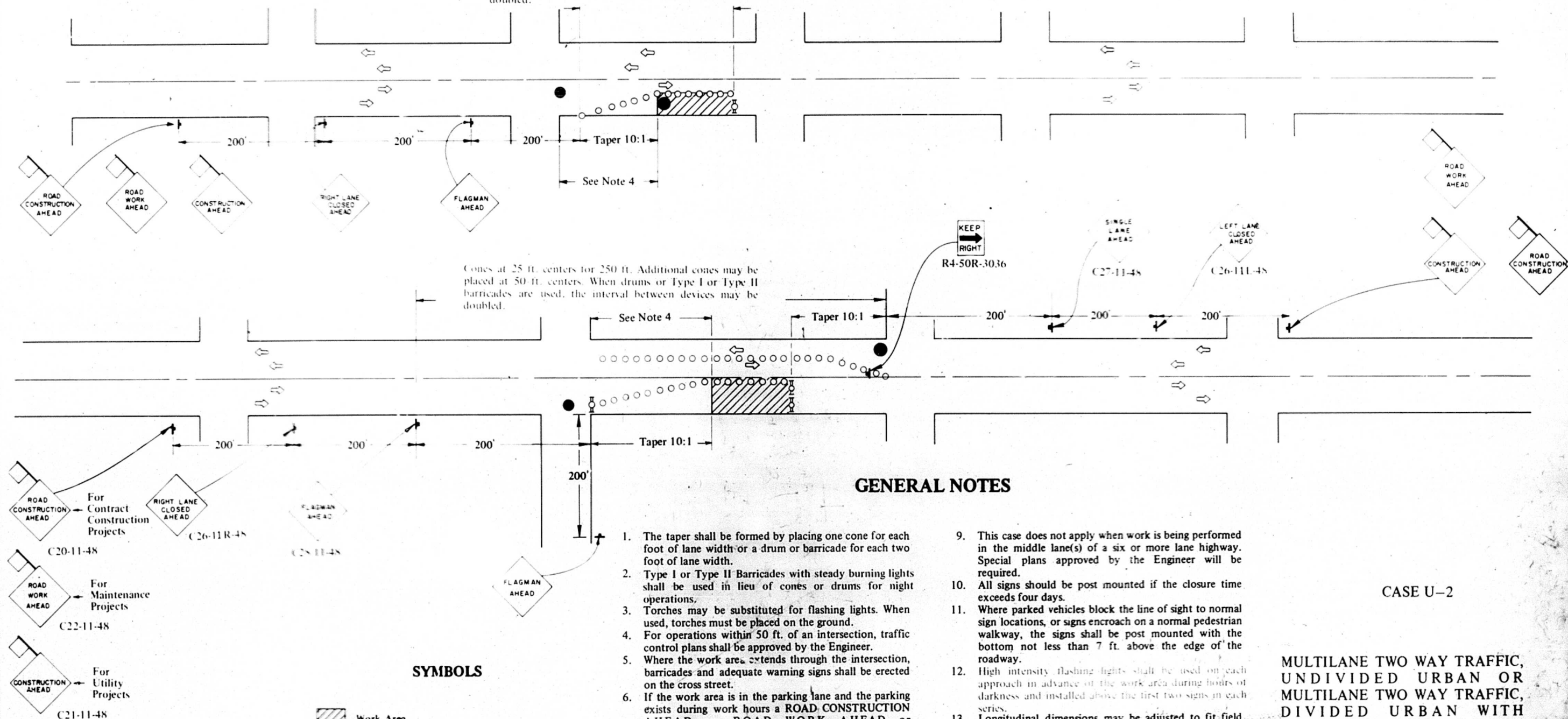
ROUTE	SECTION	COUNTY	SHEET
FA 49	114.16 I+HL	PEORIA	TOTAL 29
NO.		TABEWELL	29
PROJ.	STA. 11+00 TO STA. 13+00		

WEST APPROACH
Ramp F

100 BRIDGE 50 RAMP 'E' MCCLUGGAGE 0 50 100

BASIC APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION, MAINTENANCE AND UTILITY OPERATIONS

Cones at 25 ft. centers for 250 ft. Additional cones may be placed at 50 ft. centers. When drums or Type I or Type II barricades are used, the interval between devices may be doubled.



GENERAL NOTES

- The taper shall be formed by placing one cone for each foot of lane width or a drum or barricade for each two foot of lane width.
- Type I or Type II Barricades with steady burning lights shall be used in lieu of cones or drums for night operations.
- Torches may be substituted for flashing lights. When used, torches must be placed on the ground.
- For operations within 50 ft. of an intersection, traffic control plans shall be approved by the Engineer.
- Where the work area extends through the intersection, barricades and adequate warning signs shall be erected on the cross street.
- If the work area is in the parking lane and the parking exists during work hours a ROAD CONSTRUCTION AHEAD or ROAD WORK AHEAD or CONSTRUCTION AHEAD sign shall be installed 200 ft. in advance of the work area and the area protected with cones or barricades.
- When there is no work being performed, the FLAGMAN AHEAD sign(s) and the flagman will not be required. A ONE LANE ROAD AHEAD sign(s) shall be installed in place of the FLAGMAN AHEAD sign(s).
- If the work operation is performed between 9:00 a.m. and 3:00 p.m. and does not exceed 15 minutes, traffic protection shall be as shown for Case VII. Signs, when required, shall be installed at 200 ft. spacing.
- This case does not apply when work is being performed in the middle lane(s) of a six or more lane highway. Special plans approved by the Engineer will be required.
- All signs should be post mounted if the closure time exceeds four days.
- Where parked vehicles block the line of sight to normal sign locations, or signs encroach on a normal pedestrian walkway, the signs shall be post mounted with the bottom not less than 7 ft. above the edge of the roadway.
- High intensity flashing lights shall be used on each approach in advance of the work area during hours of darkness and installed above the first two signs in each series.
- Longitudinal dimensions may be adjusted to fit field conditions. The lateral placement of the flagmen may be varied from that shown.
- All warning signs shall have black legend and border on an orange reflectorized background. When the posted speed limit is 35 or 40 M.P.H. all warning signs shall have minimum dimensions of 48 in. by 48 in., or with the approval of the Engineer 36 in. by 36 in. If the posted speed limit is 30 M.P.H. or less all warning signs shall have minimum dimensions of 36 in. by 36 in. All signs other than warning signs shall have as a minimum the dimensions shown and shall have a black legend and border on a white reflectorized background.
- All vehicles, equipment, men and their activities are restricted at all times to one side of the pavement unless otherwise authorized by the Engineer.
- Form BT 725 is required.

SYMBOLS

- Work Area.
- Sign with 18 in. by 18 in. (minimum) orange flag attached.
- Cone, Drum (55 or 30 gallon), Type I or Type II Barricade.
- Sign on portable or permanent support.
- Flagman with Traffic Control sign.
- Type I or Type II Barricade with flashing light.

CASE U-2

MULTILANE TWO WAY TRAFFIC, UNDIVIDED URBAN OR MULTILANE TWO WAY TRAFFIC, DIVIDED URBAN WITH MOUNTABLE MEDIAN, DAY OR NIGHT OPERATION

Where, at any time, any vehicle, equipment, men or their activities encroach on the pavement requiring the closure of at least one traffic lane in an area where the posted speed limit is 40 M.P.H. or less.