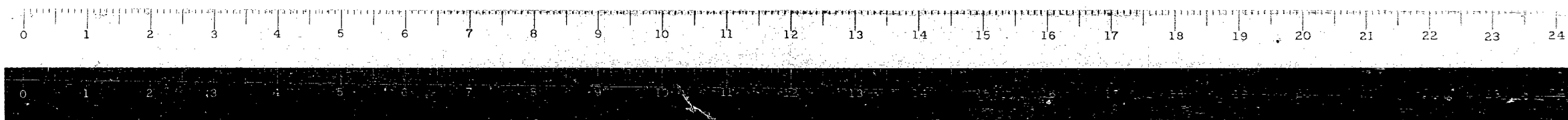


RT. FAT-57

SEC. (46-3) R, RS-1



SHEET NO.	DESCRIPTION
1	COVER SHEET
2	TYPICAL SECTIONS
3	TAPERS
4	SUMMARY OF QUANTITIES
5-9	SCHEDULE OF QUANTITIES
10	SCHEMATIC LAYOUT
11-13	PLAN & PROFILE RECONSTRUCTION AREA
14-16	STORM SEWER
17	TEMPORARY CROSSOVER NO. 1 & 3
18	TEMPORARY CROSSOVER NO. 2 & 4
19	STANDARD 2417 (MODIFIED #1)
20	STANDARD 2417 (MODIFIED #2)
21	DETAILS
	EQUIPMENT CROSSING TRAFFIC CONTROL
	SHOULDER RECONSTRUCTION
	EXCELSIOR BLANKET
	CURB HEIGHT TRANSITION
	EXCAVATION AT RETAINING WALL
22	INERTIAL BARRIER INSTALLATION
23	THERMOPLASTIC PAVEMENT MARKING
24	PAVEMENT MARKING DETAILS
25	DETECTOR LOOP
26	SLOPEWALL
27	MEDIAN CONCRETE BARRIER TRANSITION
28	HEADWALL
29	PAVED DITCH 3 FEET & 2250 INLET
30-46	RETAINING WALL, CCC&G, PAVED DITCH 3 FEET
47	SPECIAL DETAILS (INFORMATION ONLY)
48	SPECIAL DETAILS (INFORMATION ONLY)
49	SPECIAL DETAILS (INFORMATION ONLY)
50-60	CROSS SECTIONS OF RECONSTRUCTION AREA
61	POLE STANDARDS
62	SERVICE INSTALLATION PHOTOCCELL RELAY

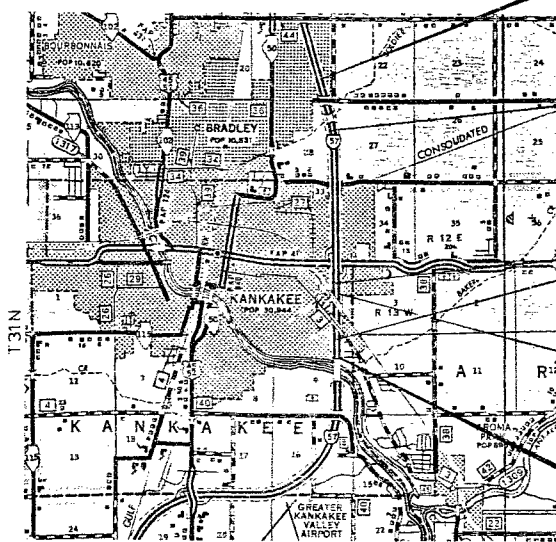
SHEET NO.	DESCRIPTION
1527-9	MANHOLE, TYPE A
1683-4	INLET, TYPE A
1686-4	SYMBOLS AND ABBREVIATIONS
2117-1	PATCHING DETAILS (BITUMINOUS)
2122-11	CONCRETE MEDIANS
2130-8	CONCRETE CURB & COMBINATION CONCRETE CURB & GUTTER
2149-11	DELINEATORS
2168-10	CHAIN LINK FENCE
2203-12	P.C.C. BASE COURSE WITH BITUMINOUS CONCRETE BINDER AND SURFACE COURSES
2218-3	FRAME AND GRATES, TYPE 9
2226-4	BASE, FRAME AND LIDS, TYPE 5
2228-4	METAL END SECTION FOR PIPE CULVERTS
2230-13	STEEL PLATE BEAM GUARDRAIL
2237-10	SHOULDER DETAILS - SHOULDER WITH B.A.M. STABILIZATION
2240-5	FLUSH INLET BOX FOR MEDIAN
2250-1	MEDIAN INLET FOR 24" R.C.P.
2258-3	PAVED DITCH, TYPE A AND TYPE B
2262-4	REINFORCED CONCRETE PIPE ELBOW AND PRECAST REINFORCED CONCRETE FLARED END SECTION
2298-7	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES
2299-10	DESIGN OF TRAFFIC CONTROL DEVICES
2300-3	FLAGMAN TRAFFIC CONTROL SIGN
2305-5	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (CASE V)
2307-6	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (CASE VII)
2308-3	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (CASE VIII)
2313-5	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (CASE XII)
2314-5	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (CASE XIV)
2315-6	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (CASE XV)
2316-8	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (CASE XVI)
2322-2	BITUMINOUS CURB AND CONCRETE INLET FOR BITUMINOUS SHOULDER
2323-5	PAVEMENT JOINTS
2327-7	SUB-SURFACE DRAINS
2333-3	CONCRETE BARRIER
2336-3	TRAFFIC BARRIER TERMINAL, TYPE 1 AND 1A
2349	INLET, TYPE B
2350-3	METAL POSTS (SIGNS, MARKERS, AND DELINEATORS)
2354-1	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
2362-1	CONCRETE HEADWALL FOR PIPE DRAINS
2364-1	GRATING FOR CONCRETE FLARED END SECTION
2368	DETAILS OF CONCRETE AND MORTAR HANDHOLES
2370-1	DETAILS OF DETECTOR INSTALLATIONS
2381	TEMPORARY EROSION CONTROL SYSTEMS
2383-1	TEMPORARY CONCRETE BARRIER
2384	DRAINAGE STRUCTURES, TYPES 1, 2 & 3
2386	FRAME AND GRATE, TYPE 21
2394	TYPICAL LAYOUT FOR DETECTOR LOOPS
2395	MANHOLE, TYPE A, 6 FOOT DIAMETER

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS PLANS FOR PROPOSED FEDERAL AID INTERSTATE HIGHWAY

SCALES { PLAN
PROFILE HOR.
PROFILE VERT.
CROSS-SECTIONS

F.A.I. ROUTE 57
SECTION (46-3) R, RS-1
KANKAKEE COUNTY
PROJECT IR-57-6(140)311

C-93-063-84



SCALE IN MILES
0 0.5 1 2 3

NET LENGTH OF SECTIONS { (46-3) RS-1 = 14,011.1 FT. = 2.654 MI.
(46-3) R = 3,494.75 FT. = 0.662 MI.
NET LENGTH OF PROJECT = 17,505.85 FT. = 3.316 MI.

PROJECT ENDS
SECTION (46-3) RS-1
STA. N 228+35.17

STATION EQUATION
STA. N 201+96.53 AH. =
STA. 107+65.25 BK.

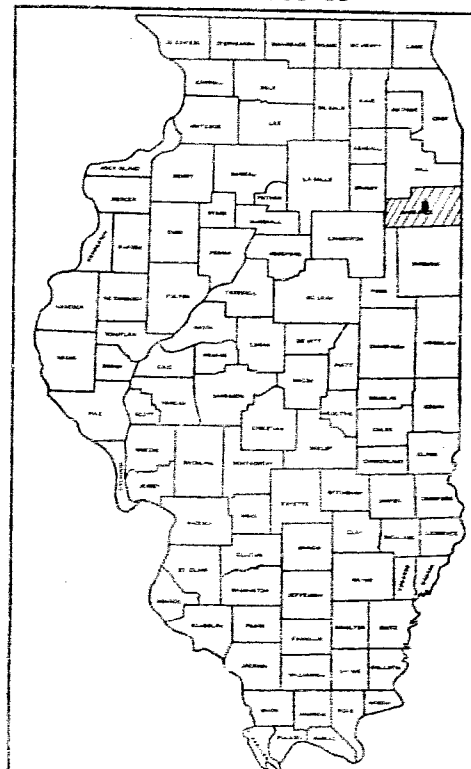
SECTION (46-3) R
STA. 207+60 TO STA. 242+60

STATION EQUATION
STA. 212+00 BK. =
STA. 212+05.25 AH.

PROJECT BEGINS
SECTION (46-3) RS-1
STA. 256+37.71

DATE	SECTION	COUNTY	TOTAL SHEETS
7-15-77	*	KANKAKEE	62
* (46-3) R, RS-1			

P-93-038-83



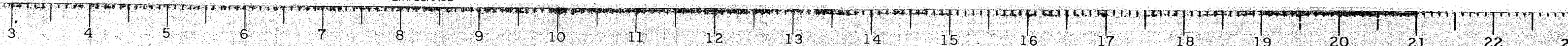
LOCATION OF SECTION INDICATED THUS: —

DESIGN DESIGNATION: RECONSTRUCTION
2800 (04) TRUNK 31.5 (COMPOSITE-20)

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS	
SUBMITTED: 5/7/84	DESIGNED: R. J. B. Berman
EXAMINED: 5-18-84	CHECKED: [Signature]
PASSED: 5-18-84	APPROVED: [Signature]
APPROVED: 5-18-84	ENGINEER OF DESIGN: [Signature]

Jay W. Miller
May 25 1984

KKK. COUNTY SECTION FAL ROUTE 57 L.R. SCHAUB



SHEET NO.	DESCRIPTION
1	COVER SHEET
2	TYPICAL SECTIONS
3	TAPERS
4	SUMMARY OF QUANTITIES
5-9	SCHEDULE OF QUANTITIES
10	SCHEMATIC LAYOUT
11-13	PLAN & PROFILE RECONSTRUCTION AREA
14-16	STORM SEWER
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21	DETAILS

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49	HEADWALL
50-60	PAVED DITCH 3 FEET & 2250 INLET
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62	SPECIAL DETAILS (INFORMATION ONLY)
	SPECIAL DETAILS (INFORMATION ONLY)
	SPECIAL DETAILS (INFORMATION ONLY)
	CROSS SECTIONS OF RECONSTRUCTION AREA
	POLE STANDARDS
	SERVICE INSTALLATION PHOTOCCELL RELAY

STANDARDS

1527-9

MANHOLE, TYPE A

1683-4

INLET, TYPE A

1686-4

SYMBOLS AND ABBREVIATIONS

2117-1

PATCHING DETAILS (BITUMINOUS)

2122-11

CONCRETE MEDIANS

2130-8

CONCRETE CURB & COMBINATION CONCRETE CURB & GUTTER

2149-11

DELINEATORS

2168-10

CHAIN LINK FENCE

2203-12

P.C.C. BASE COURSE WITH BITUMINOUS CONCRETE BINDER AND SURFACE COURSES

2218-3

FRAME AND GRATES, TYPE 9

2226-4

BASE, FRAME AND LIDS, TYPE 5

2228-4

METAL END SECTION FOR PIPE CULVERTS

2230-13

STEEL PLATE BEAM GUARDRAIL

2237-10

SHOULDER DETAILS - SHOULDER WITH B.A.M. STABILIZATION

2240-5

FLUSH INLET BOX FOR MEDIAN

2250-1

MEDIAN INLET FOR 24" R.C.P.

2258-3

PAVED DITCH, TYPE A AND TYPE B

2262-4

REINFORCED CONCRETE PIPE ELBOW AND PRECAST REINFORCED CONCRETE FLARED END SECTION

2298-7

TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES

2299-10

DESIGN OF TRAFFIC CONTROL DEVICES

2300-3

FLAGMAN TRAFFIC CONTROL SIGN

2305-5

TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (CASE V)

2307-6

TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (CASE VII)

2308-3

TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (CASE VIII)

2313-5

TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (CASE XII)

2314-5

TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (CASE XIV)

2315-6

TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (CASE XV)

2316-8

TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (CASE XVI)

2322-2

BITUMINOUS CURB AND CONCRETE INLET FOR BITUMINOUS SHOULDER

2323-5

PAVEMENT JOINTS

2327-7

SUB-SURFACE DRAINS

2333-3

CONCRETE BARRIER

2336-3

TRAFFIC BARRIER TERMINAL, TYPE 1 AND 1A

2349

INLET, TYPE B

2350-3

METAL POSTS (SIGNS, MARKERS, AND DELINEATORS)

2354-1

PRECAST REINFORCED CONCRETE FLAT SLAB TOP

2362-1

CONCRETE HEADWALL FOR PIPE DRAINS

2364-1

GRATING FOR CONCRETE FLARED END SECTION

2368

DETAILS OF CONCRETE AND MORTAR HANDHOLES

2370-1

DETAILS OF DETECTOR INSTALLATIONS

2381

TEMPORARY EROSION CONTROL SYSTEMS

2383-1

TEMPORARY CONCRETE BARRIER

2384

DRAINAGE STRUCTURES, TYPES 1, 2 & 3

2386

FRAME AND GRATE, TYPE 21

2394

TYPICAL LAYOUT FOR DETECTOR LOOPS

2395

MANHOLE, TYPE A, 6 FOOT DIAMETER

CONTRACT NO. 38265

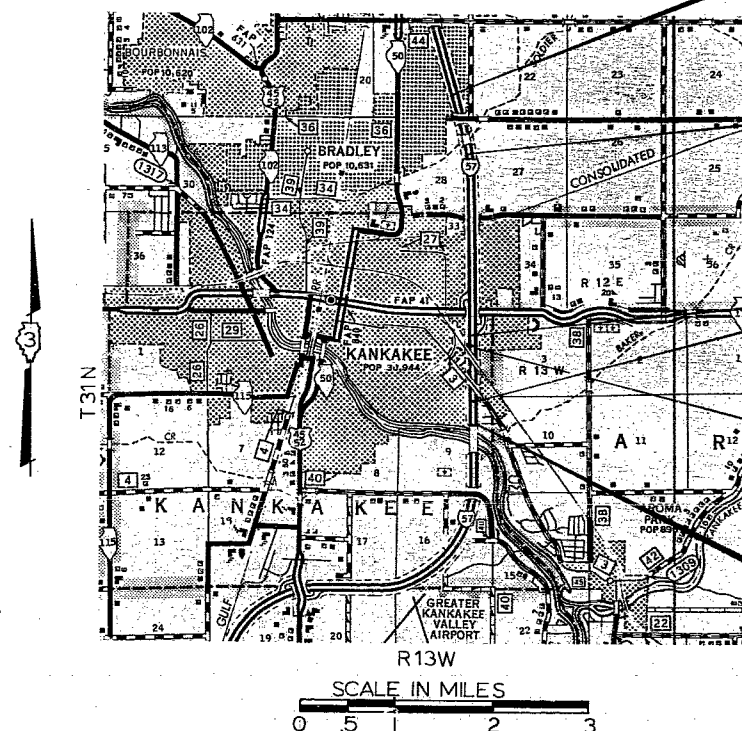
CONTRACT NO. 38265

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS PLANS FOR PROPOSED FEDERAL AID INTERSTATE HIGHWAY

SCALES { PLAN
PROFILE HOR.
PROFILE VERT.
CROSS-SECTIONS

F.A.I. ROUTE 57
SECTION (46-3) R, RS-1
KANKAKEE COUNTY
PROJECT IR-57-6(140)311

C-93-063-84



PROJECT ENDS
SECTION (46-3) RS-1
STA. N 228+35.17

STATION EQUATION
STA. N 201+96.53 AH. =
STA. 107+65.25 BK.

SECTION (46-3) R
STA. 207+60 TO STA. 242+60

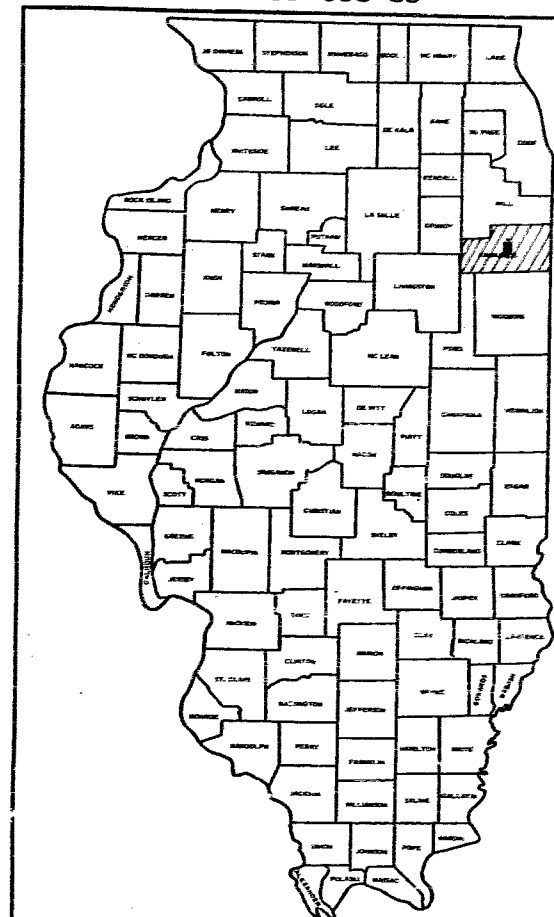
STATION EQUATION
STA. 212+00 BK. =
STA. 212+05.25 AH.

PROJECT BEGINS
SECTION (46-3) RS-1
STA. 256+37.71

NET LENGTH OF SECTIONS { (46-3) RS-1 = 14,011.1 FT. = 2.654 MI.
(46-3) R = 3,494.75 FT. = 0.662 MI.
NET LENGTH OF PROJECT = 17,505.85 FT. = 3.316 MI.

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI 57	*	KANKAKEE	62	1
* (46-3) R, RS-1				

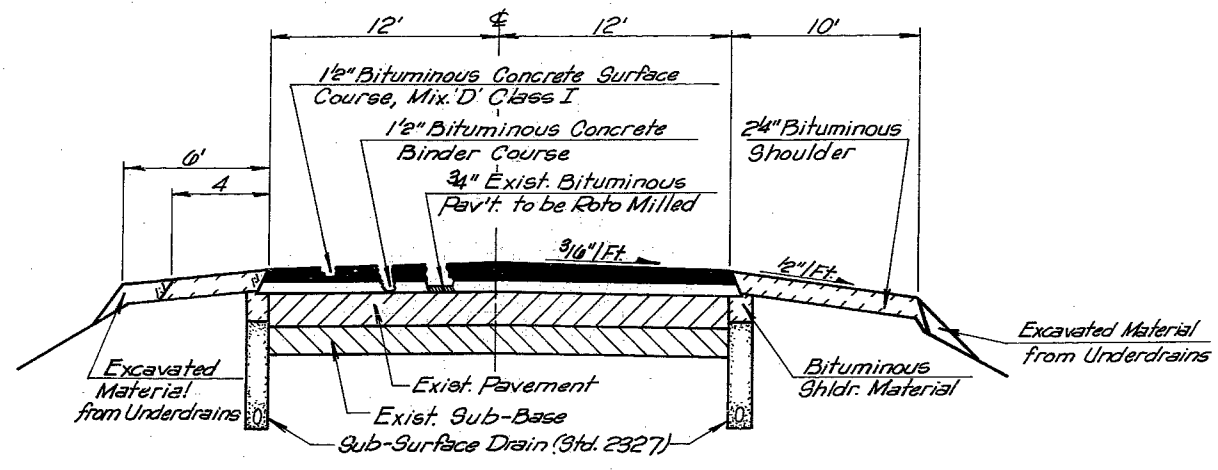
P-93-038-83



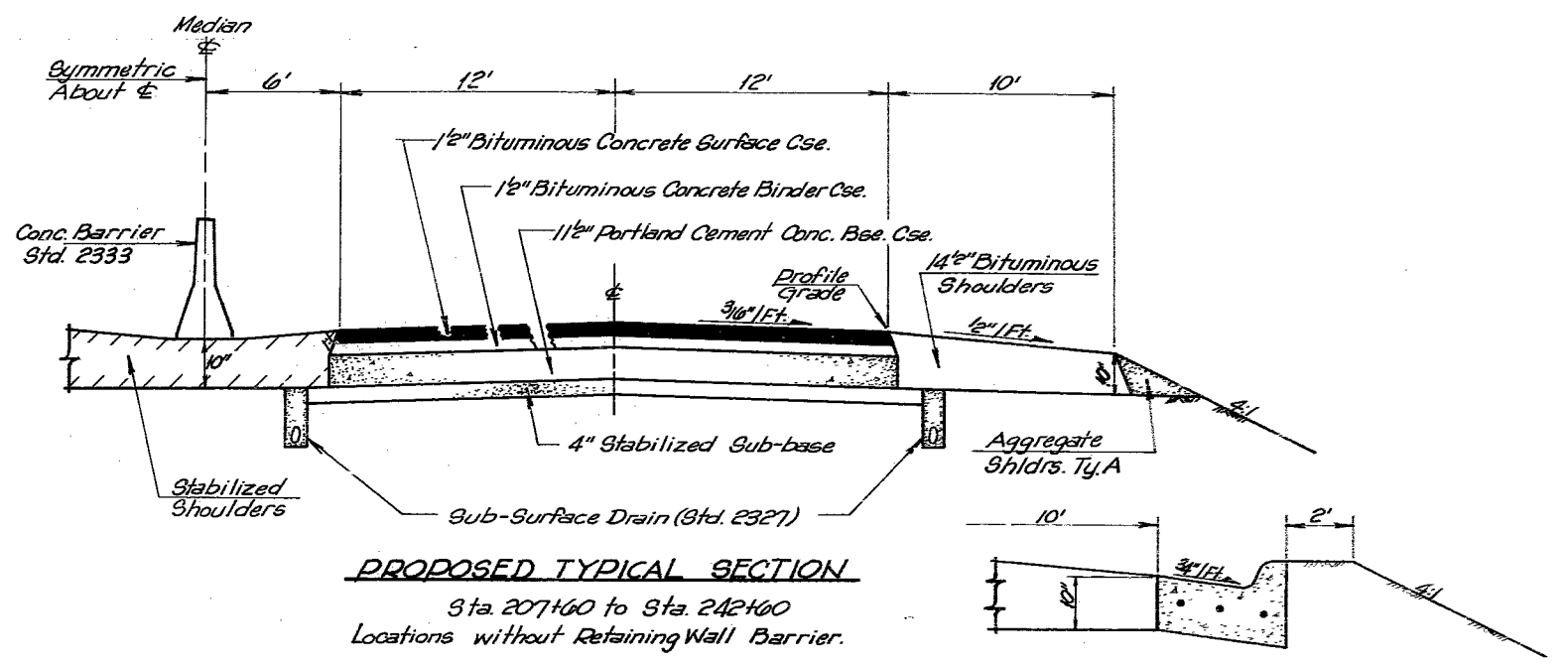
LOCATION OF SECTION INDICATED THUS: —

DESIGN DESIGNATION: RECONSTRUCTION
2800 (04) TRUNK 31.5 (COMPOSITE-20)

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS	
SUBMITTED	5/7/84
EXAMINED	5/18/84
PASSED	5/18/84
APPROVED	5/18/84
DISTRICT ENGINEER	
ENGINEER OF DESIGN	

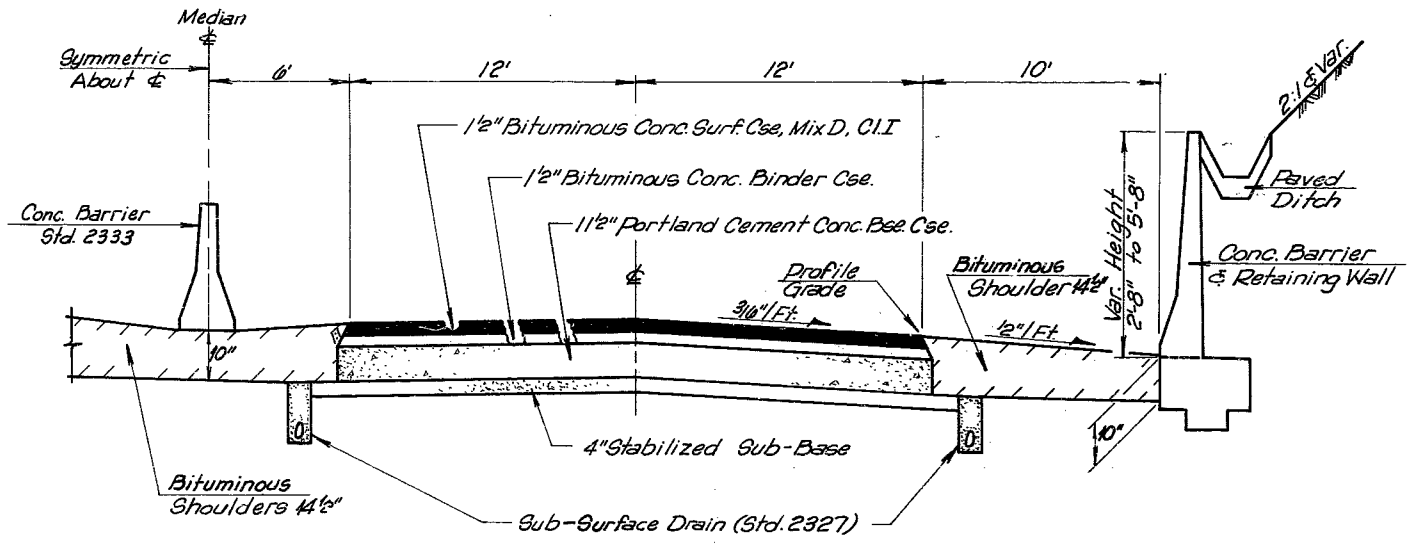


PROPOSED TYPICAL SECTION
 Sta. 107+05.25 to Sta. 207+00
 Sta. 242+00 to Sta. 250+37.71
 Sta. N.201+90.53 to Sta. N.228+35.17

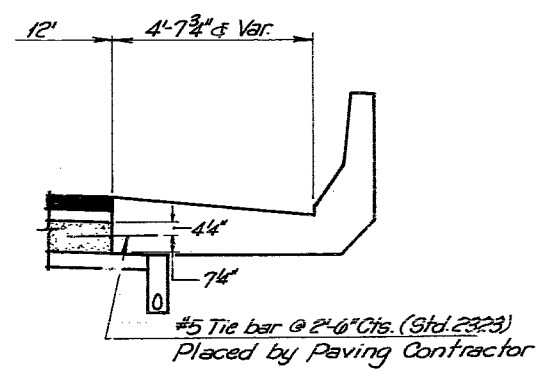


PROPOSED TYPICAL SECTION
 Sta. 207+60 to Sta. 242+00
 Locations without Retaining Wall Barrier.

Detail
 Comb. Conc. Curb & Gutter, Ty. B-624
 Sta. 207+00 Lt. to Sta. 210+50 Lt.
 & Sta. 208+00 Rt. to Sta. 210+16 Rt.

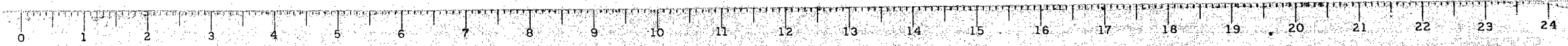


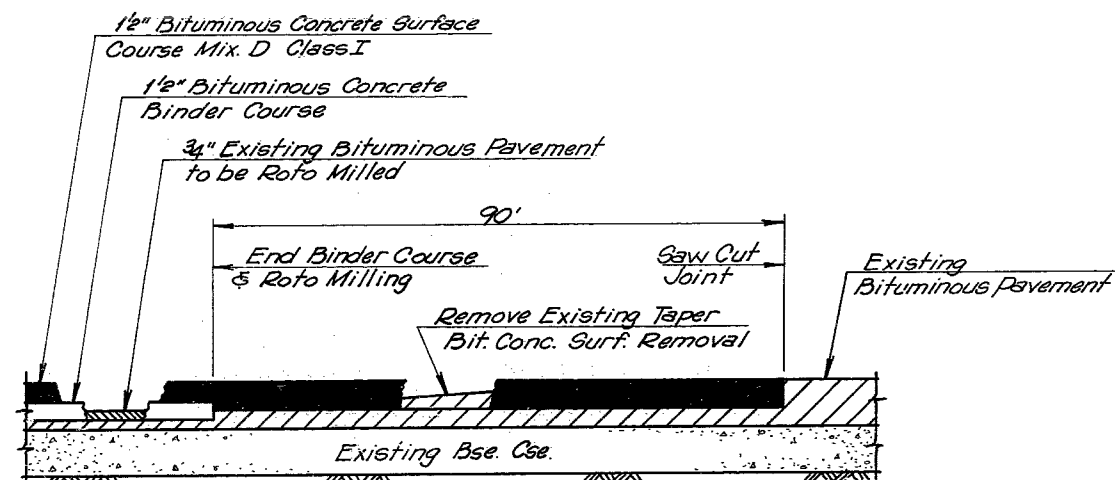
PROPOSED TYPICAL SECTION
 STA. 207+00 TO STA. 242+00
 (LOCATIONS WITH RETAINING WALL BARRIER)



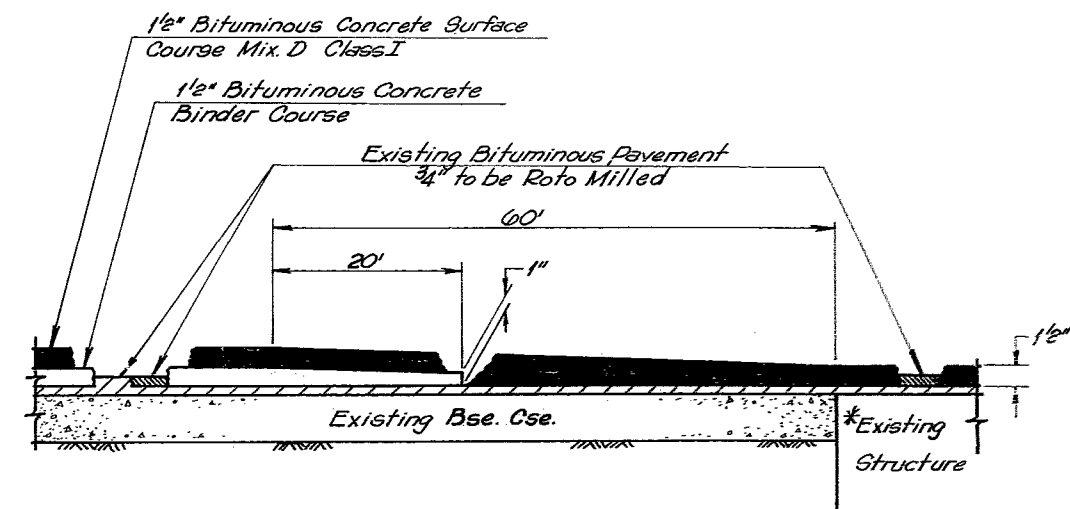
DETAIL OF RETAINING WALL & CONCRETE SHOULDER
 Sta. 228+77.79 Rt. to Sta. 230+53.23 Rt.
 & Sta. 230+78.21 Lt. to Sta. 231+32.21 Lt.

STATE OF ILLINOIS	
DEPARTMENT OF TRANSPORTATION	
DISTRICT THREE	
PREPARED BY:	Randy L. Ford
L.R.S.	DISTRICT ENGINEER OF DESIGN
DATE:	5-7-84
EXAMINED BY:	Charles W. Wilson
	DISTRICT ENGINEER OF CONSTRUCTION
	P. M. Gustin
	DISTRICT ENGINEER OF MAINTENANCE
	William H. Flaa
	DISTRICT ENGINEER OF MATERIALS
	Edmund R. Wilson
	DISTRICT ENGINEER OF TRAFFIC
	John R. Pignatelli
	DISTRICT ENGINEER OF PLANNING





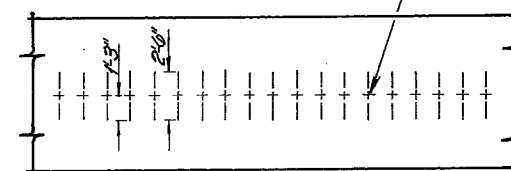
NORTH END TAPER



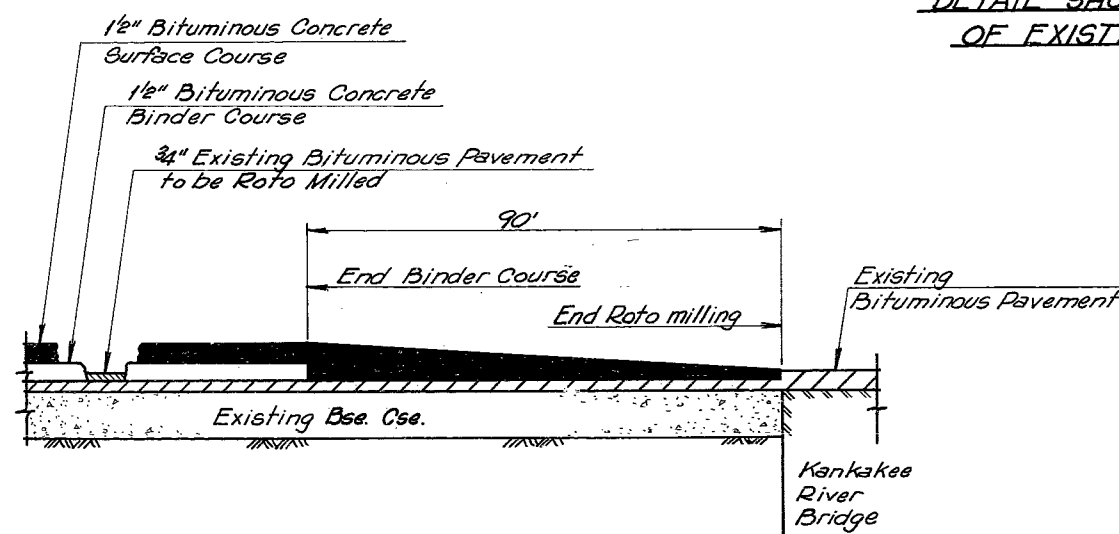
BRIDGE TAPER

*Also North St. Overhead.

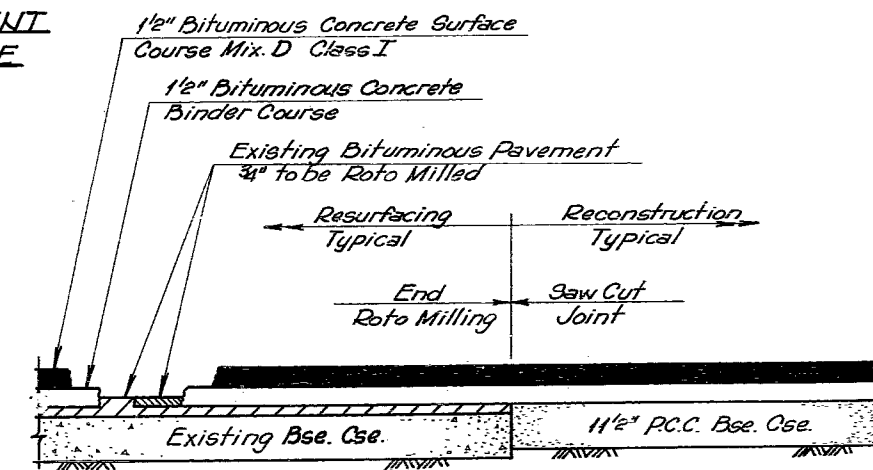
#4 - Deformed Tie Bars @ 2' 6" Centers Extending Across Longitudinal Metal Joint



DETAIL SHOWING REINFORCEMENT OF EXISTING PCC BASE COURSE



SOUTH END TAPER



TRANSITION FROM RESURFACING TO RECONSTRUCTION

TAPER DETAILS

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
FA1 57	*	KKK	22	4
FHWA RES # ILLINOIS PROJECT				

*(46-3)RS-1

LOCATION OF WORK

ROAD STATION
N 201+96.53
TO
N 228+35.17
107+65.25
TO
212+00
212+05.25
TO
256+37.71

CONST. TY. CODE 1000

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	QUANTITY
201001	TREE REMOVAL (6 TO 15 INCH DIAMETER)	IN DIA	152
201002	TREE REMOVAL (OVER 15 INCH DIAMETER)	IN DIA	62
*201007	TREE REMOVAL (UNDER 6 INCH DIAMETER)	IN DIA	36
*202001	EARTH EXCAVATION	CU YD	32,447
202002	ROCK EXCAVATION	CU YD	2,068
*202009	GRADING AND SHAPING DITCHES	UNIT	10
*202012	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	896
210001	TRENCH BACKFILL	CU YD	2,489
211001	POROUS GRANULAR BACKFILL	CU YD	1,730
213001	SUB-BASE---GRANULAR MATERIAL, TYPE A	TON	1663
213019	SUB-BASE---GRANULAR MATERIAL, TYPE C	TON	571
*215012	AGGREGATE SHOULDERS, TYPE B	TON	949
216001	TOP SOIL EXCAVATION	CU YD	532
216003	TOP SOIL PLACEMENT 4"	SQ YD	4,851
*218001	STABILIZED SUB-BASE 4"	SQ YD	21,877
*219010	BITUMINOUS SHOULDERS	TON	4,806
*220001	EXPLORATION TRENCH 52" DEPTH	LIN FT	2,000
308009	BITUMINOUS BASE COURSE 12"	SQ YD	3318
*406001	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	10,862
*406003	AGGREGATE (PRIME COAT)	TON	154
406004	MIXTURE FOR CRACKS, JOINTS, AND FLANGWAYS	TON	23.0
*406006	LEVELING BINDER (HAND METHOD)	TON	38.0
*406007	BITUMINOUS CONCRETE BINDER COURSE	TON	7.408
*406013	BITUMINOUS CONCRETE SURACE COURSE, MIXTURE D; CLASS I	TON	8317
408013	PROTECTIVE COAT	SQ YD	2,370
501029	EXPANSION BOLTS 3/4 INCH	EACH	71
*501044	CONCRETE HEADWALL REMOVAL	EACH	1
502001	STRUCTURE EXCAVATION	CU YD	45
502004	ROCK EXCAVATION FOR STRUCTURES	CU YD	2,014
503002	CLASS X CONCRETE HEADWALLS	CU YD	10.8
503003	PROTECTIVE COAT	SQ YD	2,157
*503004	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	89
504003	CLASS X CONCRETE	CU YD	890.3
*504008	CLASS X CONCRETE (OUTLETS)	CU YD	10.0
*511045	PIPE CULVERTS, TYPE 1 RCCP 18"	LIN FT	4
511047	PIPE CULVERTS, TYPE 1 RCCP 24"	LIN FT	8
511049	PIPE CULVERTS, TYPE 1 RCCP 36"	LIN FT	54
511759	END SECTIONS 12"	EACH	3
*511761	END SECTIONS 18"	EACH	1
511778	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	1
511784	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 36"	EACH	1
*511A03	PIPE CULVERTS, TYPE 1, 18" (TEMPORARY)	LIN FT	647
512001	REINFORCEMENT BARS	POUND	42,020
512002	REINFORCEMENT BARS (EPOXY COATED)	POUND	2,339
601005	BROKEN CONCRETE RIPRAP	SQ YD	295
603005	STORM SEWERS, TYPE 1 12"	LIN FT	20
603018	STORM SEWERS, TYPE 1 42"	LIN FT	395
603019	STORM SFWERS, TYPE 1 48"	LIN FT	2,208
603034	STORM SEWERS, TYPE 2 12"	LIN FT	724
603047	STORM SEWERS, TYPE 2 42"	LIN FT	680
*604012	STORM SEWERS REMOVAL 24"	LIN FT	2,604
607005	PIPE DRAINS 12"	LIN FT	190
607076	PIPE UNDERDRAINS 4"	LIN FT	66,614
607081	PIPE UNDERDRAINS 4" (SPECIAL)	LIN FT	834.3
607087	PIPE UNDERDRAINS, PERFORATED CORRUGATED STEEL PIPE 6"	LIN FT	4,117
612215	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 5 FRAME, CLOSED LID	EACH	4
612240	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 5 FRAME, CLOSED LID	EACH	6
612366	INLETS, TYPE A, TYPE 9 FRAME AND GRATE	EACH	1
612388	INLETS, TYPE A	EACH	11
*612444	FLUSH INLET BOX FOR MEDIAN (2240)	EACH	2
612466	MEDIAN INLET (2250)	EACH	11
*612554	CATCH BASINS TO BE REMOVED	EACH	12
612555	MANHOLES TO BE ADJUSTED	EACH	1
*612600	MANHOLES TO BE REMOVED	EACH	7
*612652	INLETS TO BE REMOVED	EACH	12
*616016	BITUMINOUS CONCRETE CURB	LIN FT	1612.5
616050	COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.24	LIN FT	566
616126	PAVED DITCH 3 FEET	LIN FT	2,727
616183	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	424.7
617001	PAVEMENT REMOVAL	SQ YD	19,158

LOCATION OF WORK

ROAD STATION
N 201+96.53
TO
N 228+35.17
107+65.25
TO
212+00
212+05.25
TO
256+37.71

CONST. TY. CODE 1000

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	QUANTITY
617005	COMBINATION CURB AND GUTTER REMOVAL	LIN FT	4,665
*617010	BITUMINOUS CONCRETE SURFACE REMOVAL	SQ YD	480
*617049	STABILIZED SHOULDER REMOVAL AND REPLACEMENT	SQ YD	2,674
628031	TRAFFIC BARRIER TERMINAL, TYPE 1	EACH	2
*629102	CHAIN LINK FENCE (SPECIAL)	LIN FT	1,195
632001	DELINEATORS	EACH	100
*633006	STEEL PLATE BEAM GUARDRAIL REMOVAL, SINGLE RAIL	LIN FT	925
*633007	STEEL PLATE BEAM GUARDRAIL REMOVAL, DOUBLE RAIL	LIN FT	2,810
*633008	TERMINAL SECTION REMOVAL, SINGLE RAIL	EACH	10
*633011	REMOVE AND RE-ERECT STEEL PLATE BEAM GUARDRAIL, SINGLE RAIL	LIN FT	1912.5
*642002	SEEDING, CLASS II	ACRE	2.6
*642003	SEEDING, CLASS III	ACRE	5.0
642004	NITROGEN FERTILIZER NUTRIENT	POUND	616
642005	PHOSPHORUS FERTILIZER NUTRIENT	POUND	1,232
642006	POTASSIUM FERTILIZER NUTRIENT	POUND	616
*643004	EXCELSIOR BLANKET	SQ YD	5,224
*646004	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	30
*646006	ENGINEER'S FIELD LABORATORY	CAL MO	30
*647001	PAVEMENT MARKING TAPE	LIN FT	12,474
648005	EMULSIFIED ASPHALT	GAL.	1280
*648008	TRAFFIC CONTROL AND PROTECTION, STANDARD 2316	L SUM	1
*Z10012**	ATTENUATOR BASE	SQ YD	51.6
*Z10252**	INERTIAL BARRIER INSTALLATION	EACH	2
*Z10536	WOOD POST	EACH	10
X04748	MOBILIZATION	L SUM	1
*X07433	RAISED REFLECTIVE PAVEMENT MARKER	EACH	32
*X40815	PORTLAND CEMENT CONCRETE SHOULDER 10"	SQ YD	30
X612A8	INLETS, TYPE B, TYPE 9 FRAME AND GRATE	EACH	11
X61265	DRAINAGE STRUCTURES, TYPE 3 WITH TWO TYPE 21 FRAMES & GRATES	EACH	7
X612S7	TYPE F INLET BOX, STANDARD 2322	EACH	3
X61425	GRATING FOR CONCRETE FLARED END SECTION 36"	EACH	1
*X61638	CONCRETE BARRIER, DOUBLE FACE	LIN FT	2,918
*X61640	TEMPORARY CONCRETE BARRIER	LIN FT	6,020
*X61641	TEMPORARY CONCRETE BARRIER, TERMINAL SECTION	EACH	4
*X61642	RELOCATE TEMPORARY CONCRETE BARRIER	LIN FT	5,520
*X61753	BITUMINOUS SURFACE REMOVAL 3/4"	SQ YD	74,505
X62837	STEEL PLATE BEAM GUARDRAIL, TYPE A	LIN FT	550
*X64308	MULCH METHOD 2	TON	12.8
*X64311	HAY OR STRAW BALES	EACH	200
XZ1232	CONCRETE THRUST BLOCKS	EACH	3
*XZ1385	DELINEATOR REMOVAL	EACH	100
*XZ1569	SLOPE REPAIR	SQ YD	1,383
*X62862**	TRAFFIC BARRIER TERMINAL, TYPE 3B	EACH	2
*X05026	TEMPORARY LIGHTING	L SUM	1
*X05799	TEMPORARY LIGHTING REMOVAL	L SUM	1
*X62832	VERTICAL ADJUSTMENT OF GUARDRAIL	LIN FT	200
*X05492	CLEANING PAVED DITCH	LIN FT	700
*X21925	BITUMINOUS SHOULDERS 14 1/2"	SQ YD	12,171
*X62065	PAVEMENT REMOVAL AND BITUMINOUS REPLACEMENT, SPECIAL TYPE I, 15"	SQ YD	10
*X62066	PAVEMENT REMOVAL AND BITUMINOUS REPLACEMENT, SPECIAL TYPE II, 15"	SQ YD	1,285
*X62067	PAVEMENT REMOVAL AND BITUMINOUS REPLACEMENT, SPECIAL TYPE III, 15"	SQ YD	116
*X61302	BITUMINOUS COATED AGGREGATE SLOPEWALL 6"	SQ YD	413
*X30414	PORTLAND CEMENT CONCRETE BASE COURSE 11 1/2"	SQ YD	19,548
*X616A9	CONCRETE BARRIER, DOUBLE FACE (SPECIAL)	LIN FT	101
*X08976	TRAFFIC CONTROL AND PROTECTION STANDARD 2417 (MODIFIED #1)	L SUM	1
*X08977	TRAFFIC CONTROL AND PROTECTION STANDARD 2417 (MODIFIED #2)	L SUM	1
*X08978	TEMPORARY BITUMINOUS MEDIAN	LIN FT	6,325
*X08979	TEMPORARY BITUMINOUS MEDIAN REMOVAL	LIN FT	3,145
*T41801	DETECTOR LOOP	LIN FT	278
T42005	GALVANIZED STEEL CONDUIT IN TRENCH 2"	LIN FT	59
T42006	GALVANIZED STEEL CONDUIT IN TRENCH 2 1/2"	LIN FT	23
*T42184	ELECTRIC CABLE IN CONDUIT NO. 14 2/C, SHIELDED	LIN FT	128
*T42802	HEAVY-DUTY HANDHOLE	EACH	2
T43001	TRENCH AND BACKFILL	LIN FT	72
T44303	REMOVE EXISTING HANDHOLE	EACH	2
*T50102	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	LIN FT	78,012
*T50105	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	LIN FT	1,604
*T50106	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	LIN FT	198

* SEE SPECIAL PROVISIONS

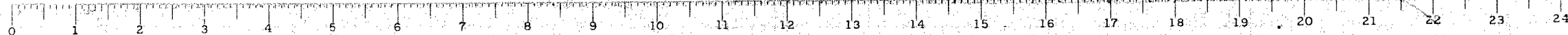
**CONSTR. TY. CODE SFTY-3M

A SPECIALTY ITEMS

CONST CODE 1080

SUMMARY OF QUANTITIES

Rev. 6-14-84



ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
FAI 57	*	KKK	62	5
ILL. REG. 4	ILLINOIS	PROJECT		

*(46-3)R,RS-1

PAVEMENT REMOVAL AND BITUMINOUS REPLACEMENT, SPECIAL 15"													
TYPE I SQ. YD.		TYPE II SQ. YD.		TYPE III SQ. YD.		TYPE I SQ. YD.		TYPE II SQ. YD.		TYPE III SQ. YD.			
NORTHBOUND LOG MILE	PASSING LANE	DRIVING LANE	PASSING LANE	DRIVING LANE	PASSING LANE	DRIVING LANE	SOUTHBOUND LOG MILE	PASSING LANE	DRIVING LANE	PASSING LANE	DRIVING LANE	PASSING LANE	DRIVING LANE
0.00	NORTH END OF KANKAKEE RIVER BRIDGE						0.00	NORTH END OF PROJECT					
0.08		6		6			0.14			6	8		
0.10		6		6			0.20			6	6		
0.17		6		6			0.41			6	6		
0.18		8		8			0.54			6	6		
0.19		6		6			0.57			6	6		
0.93		6		6			0.60			6	6		
0.95		6		6			0.93			6	6		
1.00		6		6			0.95			6	6		
1.07		6		6			0.97			6	6		
1.09					16	16	1.01			6	6		
1.12		6		6			1.05			6	6		
1.18		6		6			1.12			6	6		
1.20		6		6			1.15			6	6		
1.28	ILL. ROUTE 17 BRIDGE						1.30			6	6		
1.33		6		6			1.31			6	6		
1.34		6		6			1.32			6	6		
1.38		6		6			1.35			6	6		
1.40		6		6			1.36			6	6		
1.43		6		6			1.39			6	6		
1.45		6		6			1.41			6	6		
1.46		6		6			1.45				12	16	
1.48		6		6			1.46			6	6		
1.53		6		6			1.53			6	6		
1.57		6		6			1.55			8	12		
1.58		6		6			1.57			6	6		
1.60					16	16	1.65			6	6		
1.63		6		6			1.67			6	6		
1.68		6		6			1.73			6	6		
1.70		12		12			1.75			8	8		
1.70		12		12			1.78			6	6		
1.73				6			1.83			6	6		
1.78		6		6			1.86			6	6		
1.80		6		6			1.91			6	6		
1.83		6		6			1.93			6	6		
1.87		6		6			1.95			6	6		
1.88				8	20		2.05			6	6		
1.93		6		6			2.06			6	6		
2.00		6		6			2.12	ILL ROUTE 17 BRIDGE					
2.06				6			2.20			6	6		
2.08		6		6			2.24			6	8		
2.13		6		6			2.24	5	5				
2.23		6		6			2.30			6	6		
2.26		6		6			2.32			6	6		
2.33		6		6			2.35			6	6		
2.38				6			2.38			6	6		
2.39		6		6			2.40			6	6		
2.40		6		6			2.43			6	6		
2.43		6		6			3.30			6	6		
2.48		6					3.35			6	6		
2.49				6			3.39	NORTH END OF KANKAKEE RIVER BRIDGE					
2.61		6		6			TOTALS	5	5	280	300	16	--
2.67		6		13									
2.69		6		6									
2.92				6									
2.93		12		12									
3.08		6		6									
3.09		12				16							
3.23		6		6									
3.28		8		6									
3.38		6		6									
3.39		6		6									
3.39	NORTH END OF PROJECT												
TOTALS	--	--	340	365	52	48							

GENERAL NOTES

THE THICKNESS OF BITUMINOUS MIXTURES SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE BITUMINOUS MIXTURE IS PLACED.

WHERE SECTION OR SUB-SECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL MONUMENTS UNTIL AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION. THE CONTRACTOR WILL BE RESPONSIBLE FOR HAVING AN AUTHORIZED SURVEYOR RE-ESTABLISH ANY SECTION OR SUB-SECTION MONUMENTS DESTROYED BY HIS OPERATIONS.

THIS PROJECT IS LOCATED IN BOURBONNAIS AND KANKAKEE TOWNSHIPS. SEE COVER SHEET FOR EXACT LOCATION.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.26 OF THE STANDARD SPECIFICATIONS. THE J.U.L.I.E. NUMBER IS 800-892-0123. THE FOLLOWING UTILITIES LOCATED WITHIN THE LIMITS OF THIS IMPROVEMENT ARE MEMBERS OF J.U.L.I.E.:

COMMONWEALTH EDISON COMPANY
ILLINOIS BELL TELEPHONE COMPANY
NORTHERN ILLINOIS GAS COMPANY

A MINIMUM OF FORTY-EIGHT HOURS ADVANCE NOTICE IS REQUIRED FOR NONEMERGENCY WORK.

ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUB-NUMBER LISTED IN THE INDEX OF SHEETS OR THE COPY OF THE STANDARD INCLUDED IN THESE PLANS.

PROPOSED CLEARANCE AT OVERHEAD STRUCTURES THROUGH RECONSTRUCTION AREA IS 16' 3" ±.

DO NOT INCLUDE MULCH OR EMULSIFIED ASPHALT ON EXCELSTOR BLANKET AREAS.

THE FOLLOWING RATES OF APPLICATION HAVE BEEN ASSUMED IN CALCULATING PLAN QUANTITIES:

BITUMINOUS CONCRETE	112 LBS./INCH/SQ. YD.
BITUMINOUS MATERIALS PRIME COAT	0.075 OR 0.375 GAL./SQ. YD.
GRANULAR MATERIALS	2.05 TONS/CU. YD.
NITROGEN FERTILIZER NUTRIENT	80 LBS./ACRE
PHOSPHORUS FERTILIZER NUTRIENT	160 LBS./ACRE
POTASSIUM FERTILIZER NUTRIENT	80 LBS./ACRE
EMULSIFIED ASPHALT	100 GAL./TON OF MULCH
AGGREGATE PRIME COAT	0.302 TONS/SQ. YD.
MIXTURE FOR CRACKS, JOINTS, & FLANGWAYS	0.0003 TONS/SQ. YD.
LEVEL BINDER (HAND METHOD)	0.0005 TONS/SQ. YD.
PAVEMENT MARKING TAPE	4'/40' PER APPLICATION
CALCIUM CHLORIDE APPLIED	5 LBS./SQ. YD.
MULCH	2 TONS/ACRE

THE QUANTITY OF CALCIUM CHLORIDE APPLIED IS FOR USE ON THE 6" AGGREGATE SHOULDERS, TYPE B AT LOCATIONS OF TEMPORARY CROSS-OVERS 1 AND 3, AND 2 AND 4.

THE CHAIN LINK FENCE (SPECIAL) SHALL BE CONSTRUCTED ON THE EAST ACCESS CONTROL LINE FROM STA. 172+11 TO STA. 184+06.

SCHEDULE OF QUANTITIES

* (46-3) R, RS-1

GRAND TOTAL

GRAND TOTAL	100	100
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OUTLET INTO PROPOSED INLET

IBR = 3.8 (STA. 256+37.71 TO STA. N 228+35.17)

TOTALS

SE OUTER STA 145+11± - STA 145+61± 1383 SQ. YD.

ITEM

SCHEDULE OF QUANTITIES

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
FAI 57	*	KKK	62	7
F.W.A. REG. 4	ILLINOIS	PROJECT		

*(46-3)R,RS-1

EARTHWORK												
LOCATION	THEORETICAL		TOPSOIL SOURCES		TOPSOIL REQUIRED		ADJUSTED		WASTE	ROCK EXCAVATION	TOPSOIL PLACEMENT	HAUL
	1 CUT CU. YD.	2 FILL CU. YD.	3 IN CUT CU. YD.	4 IN FILL CU. YD.	5 IN CUT CU. YD.	6 IN FILL CU. YD.	7 CUT CU. YD.	8 FILL CU. YD.				
STAGE I												
BUILD SOUTH CROSSEOVERS	461	787					461	787	0			HAUL 523 C.Y. FROM STAGE I STA. 207+60 TO 242+60.
BUILD NORTH CROSSEOVERS	608	657					608	657	0			HAUL 213 C.Y. FROM STAGE I STA. 207+60 TO 242+60.
207+60 TO 242+60	15010	16	317	-	310	7	15003	9	14256	769	2853	HAUL 523 C.Y. TO SOUTH CROSSEOVER, HAUL 213 C.Y. TO NORTH CROSSEOVER.
STAGE II												
207+60 TO 242+60	14498	9	222	-	222	0	14498	9	14487	915	1998	
REMOVE NORTH CROSSEOVERS	1877	235					1877	235	1583			
TOTALS			539				32447	1697	30326	1684	4851	
EARTHWORK NOTES:												
COLUMN 7 = 1-3+5												
COLUMN 8 = 2+4-6												
COLUMN 9 = 7-8X5.F. ±(HAUL ADJUSTMENTS)												
COLUMN 11 = (5+6) X 9 SQ. YD./CU. YD.												
S.F. = 1.25												
STAGE I & STAGE II 231+50 TO 236+50												
ROCK SHALL BE EXCAVATED TO A DEPTH OF 3" BELOW THE STABILIZED SUB-BASE, WITHIN THE LIMITS OF THE ROADBED, AND THE EXCAVATION BACKFILLED WITH SUB-BASE GRANULAR MATERIAL, TYPE A.												
QUANTITIES: 384 CU. YDS. OF ROCK EXCAVATION												
787 TONS OF SUB-BASE GRANULAR MATERIAL, TYPE A												

SEEDING SCHEDULE							
LOCATION	SEEDING		EXCEL. BLANKET SQ. YD.	FERTILIZER NUTRIENT			
	CLASS II ACRE	CLASS III ACRE		MULCH TON	NITROGEN POUND	PHOSPHORUS POUND	POTASSIUM POUND
STA. 207+60 TO STA. 216+00	0.4			0.8	32	64	32
STA. 216+00 TO STA. 230+50		4.8		9.6	384	768	384
STA. 230+50 TO STA. 242+50	1.1			2.2	88	176	88
SLOPE EROSION REPAIR		0.2	1383		24	48	24
PAVED DITCH & RIP RAP	0.8		3891		64	128	64
CULVERT & PIPE DRAINS	0.2		950		16	32	16
DITCH CLEANING	0.1			0.2	8	16	8
TOTALS	2.6	5.0	5224	12.8	616	1232	616

MONODIRECTIONAL PRISMATIC BARRIER REFLECTOR		
LOCATION STA. TO STA.	EACH	REMARKS
207+70 TO 238+70	64	ATTACH ONE ON EACH SIDE OF CONCRETE BARRIER DOUBLE FACE AT 100' CENTERS.

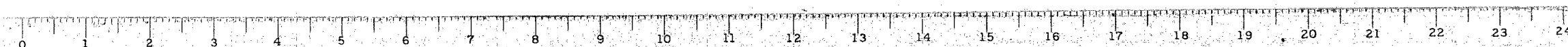
GUARDRAIL SCHEDULE								
SIDE	STATION TO STATION	SPBGR REMOVAL SINGLE RAIL LIN. FT.	SPBGR REMOVAL DOUBLE RAIL LIN. FT.	TERMINAL SECT. REM. SINGLE RAIL EACH	REMOVE AND RE-ERECT SPBGR SINGLE RAIL LIN. FT.	SPBGR TYPE A LIN. FT.	TRAFFIC BARRIER TERM. TY. 1 EACH	VERTICAL ADJ. SPBGR LIN. FT.
SBL OUTER	N227+09.3 - N229+84.3			1		275	1	100
SBL OUTER	N225+84.3 - N227+09.3			1				100
NBL OUTER	N224+10.6 - N225+35.6							
NBL OUTER	N221+35.6 - N224+10.6					275	1	
NBL INNER	N224+12.5 - N225+97.4	75		1				
SBL INNER	N225+22.4 - N227+07.3	75		1				
STA. EQUATION	N201+96.53 = 107+62.25							
SBL OUTER	133+79 - 138+29				25			
SBL OUTER	139+50 - 142+50				37.5			
NBL OUTER	139+53 - 142+33				125			
NBL OUTER	144+92 - 151+92				700			700
SBL OUTER	145+11 - 154+23.5				912.5			912.5
NBL OUTER	186+85 - 190+10				25			
SBL INNER	188+62.1 - 190+09				75			
NBL INNER	191+75 - 193+21.9				12.5			
INNER	207+68.25 - 215+86	100	762.5					
SBL OUTER	213+82 - 215+32	125		1				
NBL OUTER	214+45 - 215+70	75		2				
NBL OUTER	216+85 - 218+35	125		1				
INNER	216+30 - 230+27.5	200	1297.5					
INNER	230+80.5 - 238+80.5	100	750					
SBL OUTER	229+64.5 - 229+77			1				
NBL OUTER	231+31 - 232+06	50		1				
TOTALS		925	2810.0	10	1912.5	550	2	200

PAVEMENT MARKING					
LOCATION	THERMOPLASTIC			RAISED REFLECTIVE PAVEMENT MARKER EACH	
	LINE - 4" YELLOW LIN. FT.	LINE - 8" WHITE LIN. FT.	LINE - 12" WHITE LIN. FT.		
N201+96.53 - N 228+35.17	5277	6597			
107+65.25 - 212+00.00	20870	25322	1604	198	32
212+05.25 - 256+37.71	8865	11081			
TOTALS	35012	43000	1604	198	32

PAVED DITCH 3 FEET		
LOCATION STA TO STA	SIDE	LENGTH FT
215+00 TO 215+88.39	EAST	80.8
217+52.80 TO 230+78.21	EAST	1295.2
213+25 TO 214+63.20	WEST	130.7
216+27.61 TO 228+77.79	WEST	1220.3
TOTAL		2727

PROTECTIVE COAT		
PAY ITEM NUMBER	LOCATION	QUANTITY SQ. YDS.
408013	CURB & GUTTER CONCRETE BARRIER	189
TOTAL		2,370
503003	RETAINING WALLS	2,157
TOTAL		2,157

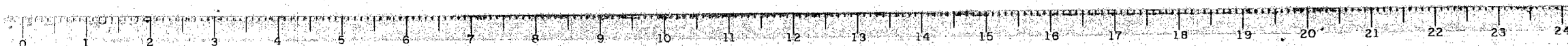
SCHEDULE OF QUANTITIES



ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
FAI 57	*	KKK	62	8
FHWA REG. 4		ILLINOIS	PROJECT	

LOCATION STATION TO STATION	LENGTH LIN. FT.	BIT. CONC. SURF. CSE. TON	BIT. CONC. BIND. CSE. TON	BIT. SURF. REM. 3/4" SQ.YD.	P.C.C. BSE. CSE. 11/2" SQ.YD.	SUB- BASE 4" SQ.YD.	MTLS. (PRIME COAT) GAL.	AGG. (PRIME COAT) TON	MIX CRKS. JTS. & FLYWS. TON	LEVEL BIND. (HAND METH) TON	PAVT. REM. SQ.YD.	SHLDR. 14" 2" SQ.YD.	BIT. STAB. REPL. SQ.YD.	PAVT. MKNG. TAPE LIN. FT.	BIT. CONC. SURF. REM. SQ.YD.	SUB- BSE. GR. MTL. TY. A TON	AGG. SHLDR. TY. B TON	BIT. BSE. CSE. 12" SQ.YD.	SUB- BSE. GR. MTL. TY. C TON	REM. & DISP. UNST. CU. YD.	P.C.C. SHLDR. 10" SQ.YD.	CALC. CHLDR. APPLIED SQ.YD.
Northbound Lanes																						
N. 201+90.53 - N. 214+79.55	1283.02	290	281	3421	-	-	433	7	1.1	1.7	-	248	-	-	513							
N. 214+79.55 - N. 215+55.30	75.75	28	-	328	-	-	20	1	0.1	0.1	-	-	-	-	23							
N. 215+55.30 - N. 225+34.94	979.64	225	202	2012	-	-	331	5	0.8	1.3	-	184	-	-	392							
N. 225+34.94 - N. 225+65.88	30.94	7	-	83	-	-	10	1	0.1	0.1	-	2	-	-	9							
N. 225+65.88 - N. 228+35.17	269.29	73	31	478	-	-	91	1	0.2	0.4	-	40	-	-	108	240						
107+65.25 - 138+32.19	3066.94	690	686	8179	-	-	1036	16	2.5	4.1	-	597	-	-	1227							
138+32.19 - 139+52.30	120.17	31	-	374	-	-	30	1	0.1	0.2	-	-	-	-	36							
139+52.30 - 142+36.02	283.66	70	45	750	-	-	96	2	0.2	0.4	-	48	-	-	113							
142+36.02 - 144+95.69	259.67	68	-	808	-	-	65	2	0.2	0.4	-	-	-	-	78							
144+95.69 - 190+09.74	4514.05	1017	1002	12037	-	-	1507	24	3.6	6.0	-	754	-	1048	1805	-	-	53	-	248	389	10
190+09.74 - 191+75.83	166.09	43	-	517	-	-	41	1	0.2	0.3	-	-	-	-	50							
191+75.83 - 207+60	1584.17	369	354	4224	-	-	546	9	1.3	2.2	-	307	-	-	633							
207+60 - 212+00	440.00	142	143	-	1718	1865	135	-	-	-	1693	-	782	-	88							
212+05.25 - 242+60	3054.75	684	691	-	8316	9334	652	-	-	-	8146	-	5371	-	610	-	-	45				
242+60 - 250+59.29	1399.29	308	296	3491	-	-	473	7	1.1	1.9	-	265	-	-	560							
Southbound Lanes																						
N. 201+90.53 - N. 214+31.52	1234.99	280	270	3293	-	-	417	7	1.1	1.6	-	238	-	-	493							
N. 214+31.52 - N. 215+08.59	77.07	28	-	334	-	-	27	1	0.1	0.1	-	-	-	-	23							
N. 215+08.59 - N. 225+53.94	1045.35	240	217	2788	-	-	353	6	0.8	1.4	-	197	-	-	419							
N. 225+53.94 - N. 225+84.88	30.94	7	-	83																		

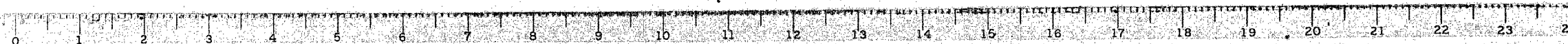
MAINLINE SCHEDULE

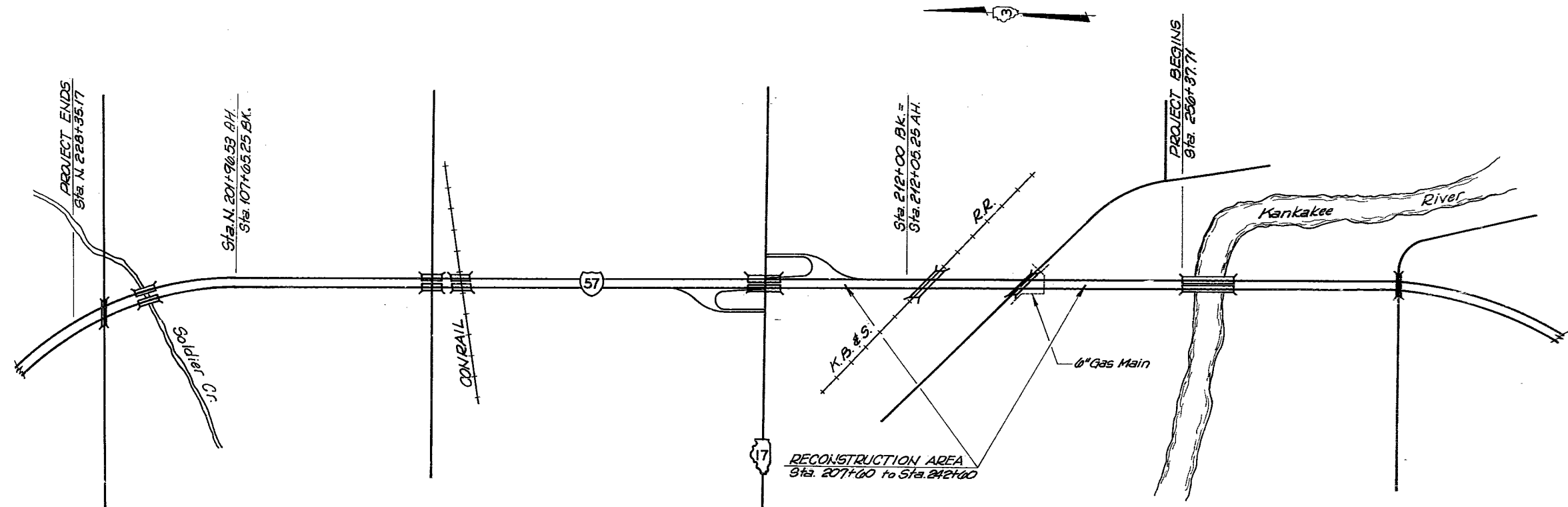


ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
FAI 57	*	KKK	62	9
FHWA REG. 4		ILLINOIS	PROJECT	

Location Station	Side	Catch Basins	Head-wall	Trench Backfill	P.Culv.	End Section	Flush Inlet Box For Med (2240)	P.Culv. I RCCP 24"	P.Culv. I RCCP 36"	PRC Flar End Sec. 36"	Grafting Conc. Plr End Sec 36"	Rock Excav. For Struct.	Reinf. Bars	Cl.X Conc.	Storm Sewer							Manholes								Inlets				Drain Str.	
		Rem.	Rem.		Ty. 1, 18" (Temp) Lin.Ft.	Section 18" Each		RCCP 24" Lin.Ft.	RCCP 36" Lin.Ft.	Each	Each				Type 1	Type 2	Rem.	Ty. 5 Fr. & Gr. Closed Ty.A 5'Dia.	Ty.A 6'Dia.	Ty.A 4'Dis.	Adjust	Rem.	Ty. 9 Fr. & Gr. Type A	Type B	Type A	2250 Median	Rem.	Ty. 3 with two Ty. 21 Fr. & Gr.							
		Each	Each	Cu.Yd.			Each				Each	Each	Cu.Yd.	Round Cu.Yd.	Hdw.L.	Lin.Ft.	Lin.Ft.	Lin.Ft.	Lin.Ft.	Lin.Ft.	Each	Each	Each	Each	Each	Each	Each	Each	Each						
205+00	E						1																												
205+00 to 206+00	E				97																														
207+00	Lt.																				1														
208+00	Lt.			14					54	1	1							1							1	1									
208+00 to 211+00	Lt.			379												48	305	305						1	1										
211+00	Lt.& Rt.	2		10														85		1		1					2	1							
211+00 to 213+00	Lt.			225															180	180															
213+00	Lt.							18										1				1													
213+00 to 215+00	Lt.& Rt.			199															72	195	195		1			1	1								
215+00	E & Lt.	2		3														12		1		1				2	1								
215+00 to 219+00	Lt.			198												395	74	395			1				1	1									
219+00	Lt.& Rt.	2		21														70			1	2	1		2	2	1								
219+00 to 223+00	Lt.			02															404		405														
223+00	Lt.& Rt.	2		21															74			1	2	1		2	2	1							
223+00 to 226+50	Lt.			232								137								344		345													
226+50	Lt.& Rt.	2		22															74			1	2	1		2	2	1							
226+50 to 229+60	Lt.& Rt.			230								277								294	111	295			1		1								
229+60	E & Lt.	2		5															18			1		1			2	1							
229+60 to 234+50	Lt.			395								708								484	86	484		1		1		1							
233+68			1																																
234+50	E & Lt.			4											20						1							1							
234+50 to 240+35	Lt.			442								821									599		1												
240+35 to 241+00	Lt.			21								58									78														

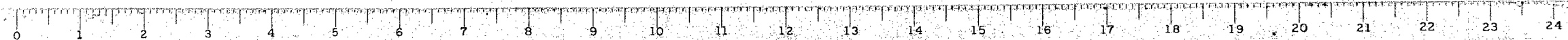
DRAINAGE SCHEDULE





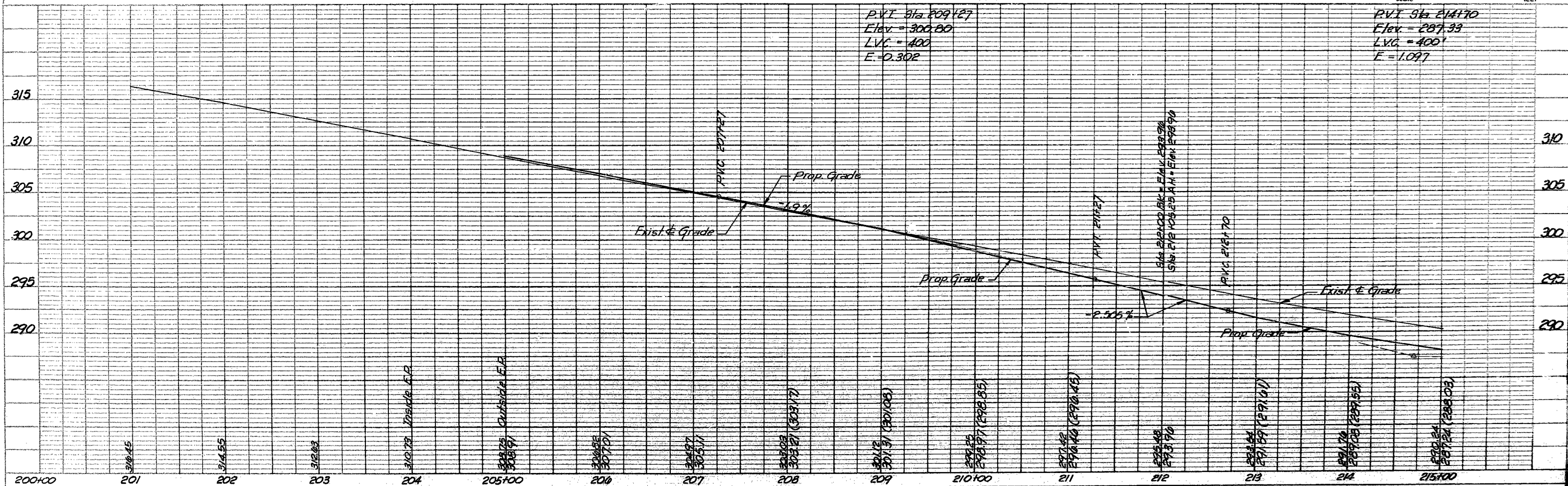
KANKAKEE

SCHEMATIC

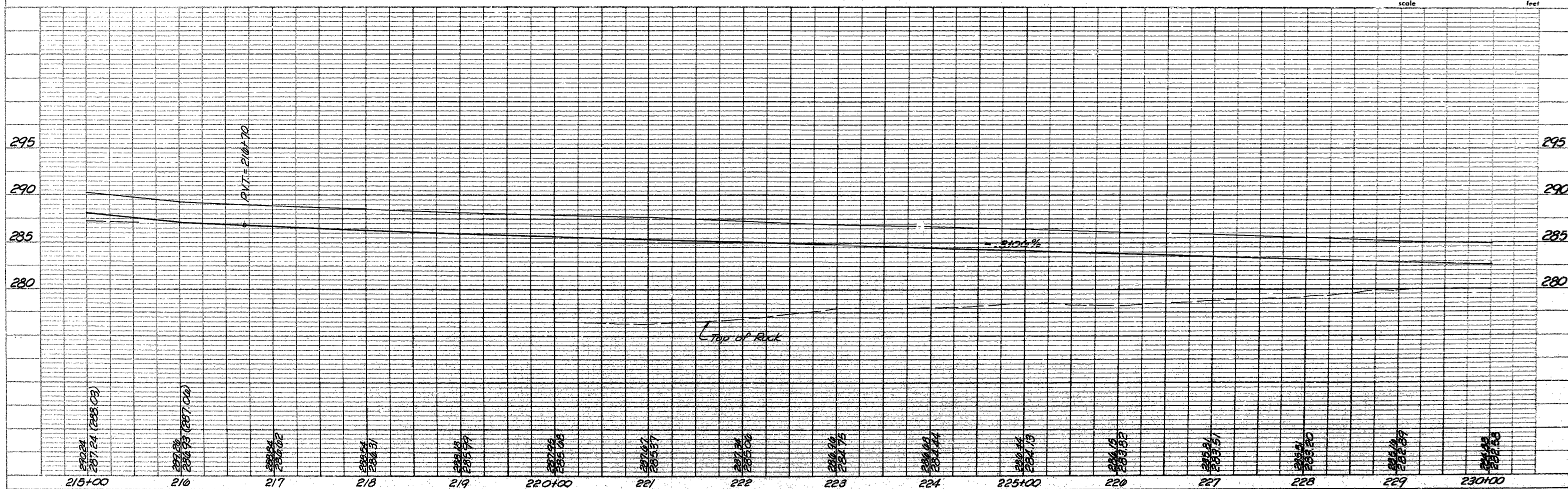
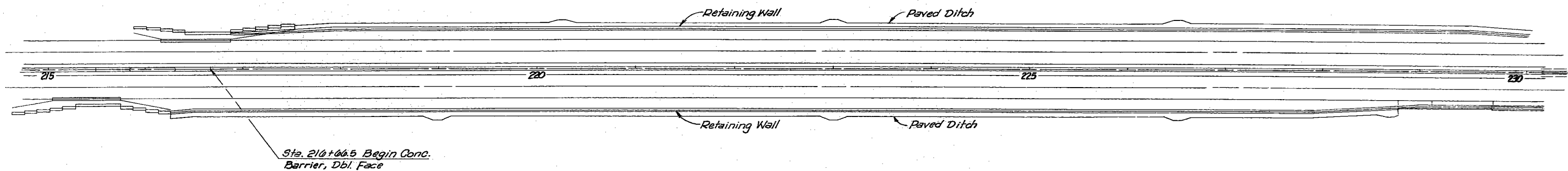


PLAN	DATE
CONVENTED PLANTED ALIGNMENT CHECKED R.T. OF WAY CHECKED NOTE BOOK NO.	RT

DATE	BY
SURVEYED	
PLANTED	
NOTES MOVED	
B. M.'S NOTED.	
STRUCTURE IDENT AS CTD.	

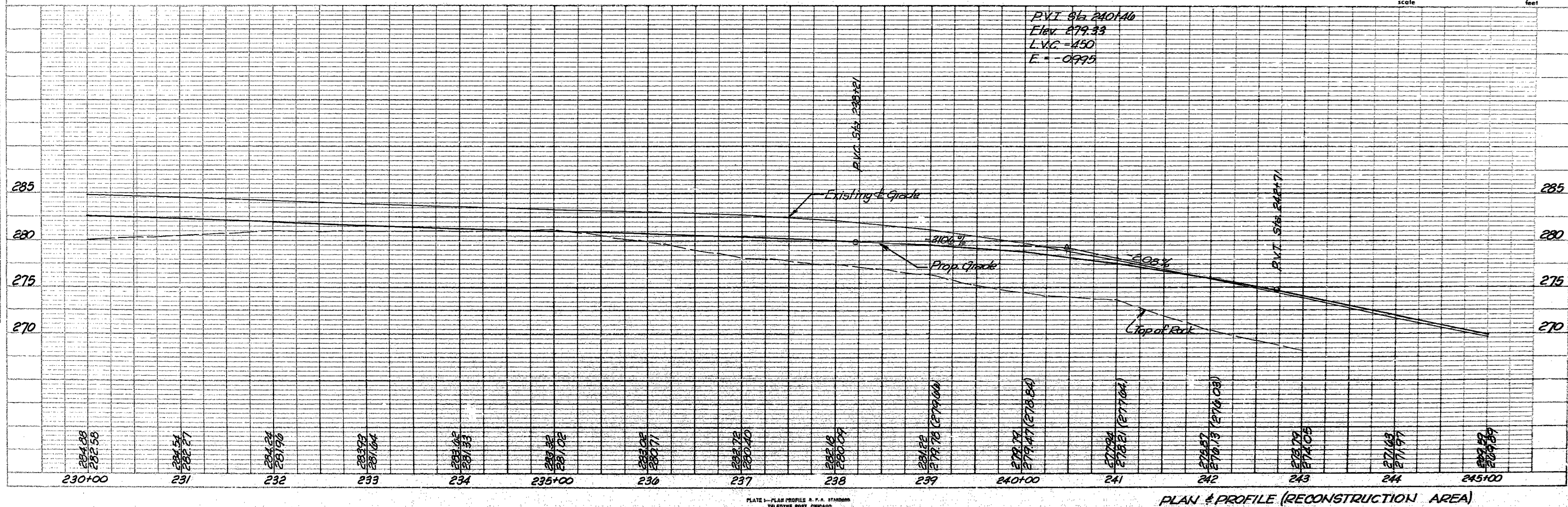
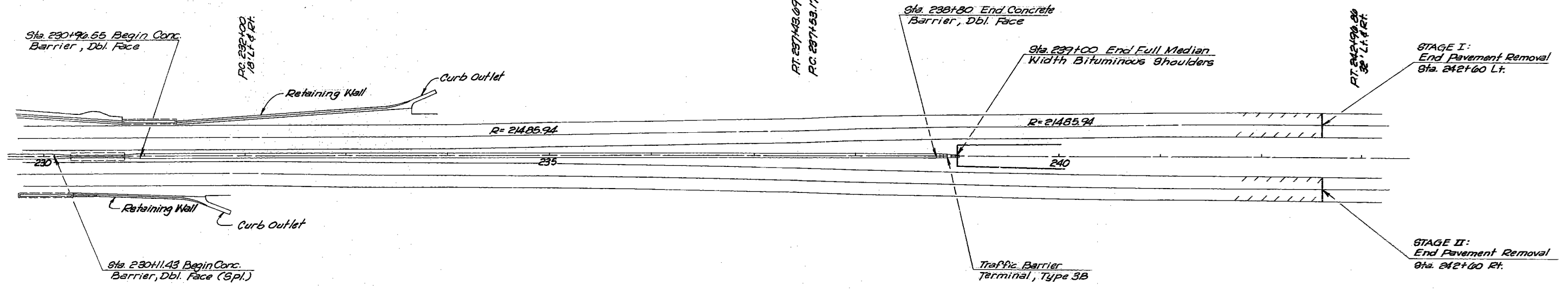


PLAN & PROFILE (RECONSTRUCTION AREA)



PLAN
 SURVEYED BY
 DATE
 NOTE BOOK
 NO. OF WAYS OPENED
 NO.

PROFILE
 SURVEYED BY
 DATE
 NOTE BOOK
 NO. OF WAYS OPENED
 NO.



PLAN & PROFILE (RECONSTRUCTION AREA)



Sta. 208+00
Pipe Culverts Ty. I RCCP
36"x 50"
327' Lt. to 82.7' Lt.
1-P.R.C. Flared End Section
1-Grating for Concrete
Flared End Section 30'

Sta. 210+50 / 60' Lt.
2250 Med. Inlet
1-Inlet Ty. A
T.G. 2904
Inv. Out 2924

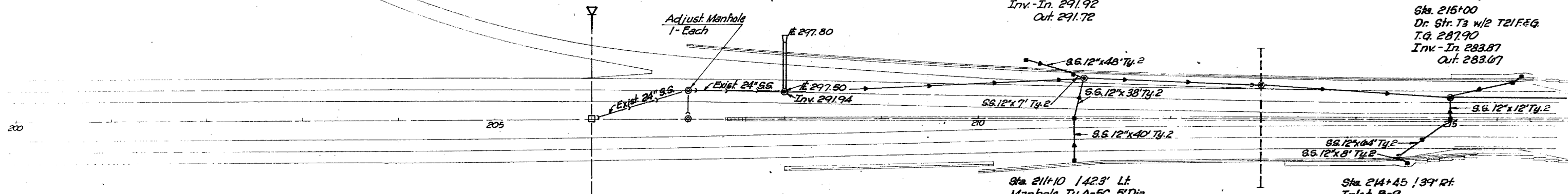
Sta. 211+00 / 40.07'
Inlet B-9
T.G. 290.05
Inv.-In. 291.92
Out 291.72

STA. 212+00 BK. =
STA. 212+05.25AH.

Sta. 213+00 / 36.2' Lt.
Manhole Ty. A-5C 5'Dia.
T.G. 291.70
18"x24" P. Culv. Ty. / RCCP
INV. -N. 285.2 S. 283.00

Sta. 215+00 / 24'Lt.
Manhole Ty. A-5C 5'Dia.
T.G. 288.12
Inv. - N 281.86 S 281.66
G.E. 282.37 W 283.55

Sta. 215+00
Dr. Str. T3 w/2 T2/F&G.
T.G. 287.90
Inv. - In. 283.87
Out. 283.67



Sta. 208+00 / 28.24' Lt.
Manhole Ty. A-5C 5'Dia.
T.G. 303.34

Sta. 211+10 / 423' Lt.
Manhole Ty. A-5C 5'Dia.
T.G. 296.02
Inv. - N. 290.40 S. 286.40
E. 291.00 N. 291.29

Sta. 211+00
Dr. Str. T3 w/2 Telf. & G.
T.G. 296.18
Inv. - In. 291.05
Out. 291.45

Sta. 211+00 / 44.21' Rt.
Inlet A-9
T.G. 290.05
Inv. - Out. 292.03

Sta. 214+45 / 39' Rt.
Inlet B-9
T.G. 288.51
Inv. - In. 284.71
Out. 284.51
Sta. 214+55 / 42.5' Rt.
Manhole Ty. A 4' Dia.
2250 Med. Inlet
T.G. 290.46
Inv. 284.79

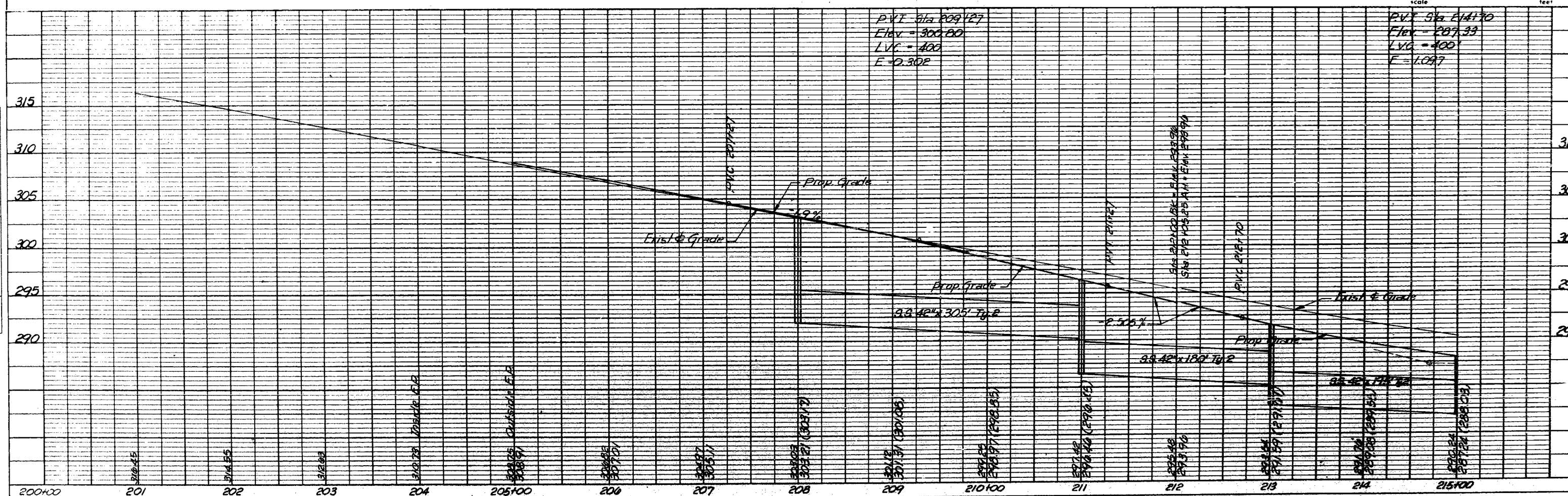


PLATE 1—PLAN PROFILE S. P. R. STANDARD
TELETYPE POST, CHICAGO

STORM SEWER

DATE
BY
SURVEYED
NOTED
ALIGNED
CHECKED
NOTE BOOK
NO. OF WAY CHECKED
NO.

DATE
BY
SURVEYED
NOTED
GRADES CHECKED
NOTE BOOK
NO. OF WAY CHECKED
NO.

Sta. 215+75 / 44.5' Lt.
Manhole Ty. A 4' Dia.
2250 Med. Inlet
T.G. 288.98
Inv. 283.31

Sta. 215+65 / 39' Lt.
Inlet B-9
T.G. 287.01
Inv.-In. 283.21
Out. 283.01

Sta. 219+00 / 44.4' Lt.
Manhole Ty. A 4' Dia.
2250 Med. Inlet
T.G. 287.74
Inv. 281.90

Sta. 219+00 / 39' Lt.
Inlet B-9
T.G. 285.00
Inv.-In. 281.80
Out. 281.00

Sta. 219+00 / 24' Lt.
Manhole Ty. A-5C 6' Dia.
T.G. 286.08
Inv.-N. 279.98 E. 281.50
W. 280.94 S. 279.13

Sta. 223+00 / 43.7' Lt.
Manhole Ty. A 4' Dia.
2250 Med. Inlet
T.G. 286.20
Inv. 280.00

Sta. 223+00 / 39' Lt.
Inlet B-9
T.G. 284.42
Inv.-In. 280.02
Out. 280.42

Sta. 223+10 / 35' Lt.
Manhole Ty. 5C 6' Dia.
T.G. 284.84
Inv.-N. 278.00 E. 280.32
W. 279.70 S. 277.80

Sta. 226+50 / 44.4' Lt.
Manhole Ty. A 4' Dia.
2250 Med. Inlet
T.G. 287.42
Inv. 279.68

Sta. 226+50 / 39' Lt.
Inlet B-9
T.G. 283.44
Inv.-In. 279.04
Out. 279.44

Sta. 226+60 / 35' Lt.
Manhole Ty. 5C 6' Dia.
T.G. 283.70
Inv.-N. 276.86 E. 279.34
W. 278.72 S. 276.70

FAI 57 * KKK 15
* (46-3) R, RS-1

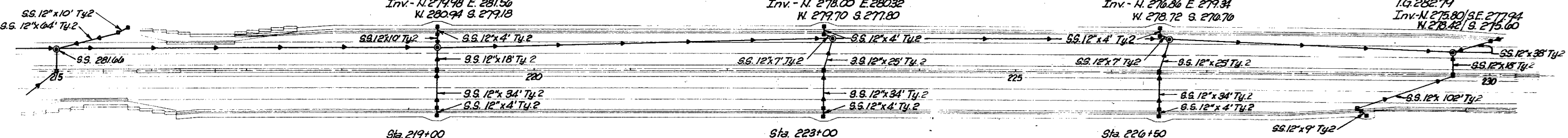
Sta. 230+00 / 34.51' Lt.
Inlet B-9
T.G. 282.32
Inv.-In. 278.52
Out. 278.32

Sta. 229+60 / 24' Lt.
Manhole Ty. 5C 6' Dia.
T.G. 282.79
Inv.-N. 275.80 E. 277.94
W. 278.42 S. 275.00

Sta. 229+60
Dr. Str. T3 w/2 T21 F&G
T.G. 282.57
Inv.-In. 277.80
Out. 277.60

Sta. 228+60 / 35.54' Rt.
Inlet B-9
T.G. 282.82
Inv.-In. 279.02
Out. 278.82

Sta. 228+70 / 40.3' Rt.
Manhole Ty. A 4' Dia.
2250 Med. Inlet
T.G. 285.90
Inv. 279.11



Sta. 219+00
Dr. Str. T3 w/2 T21 F&G
T.G. 285.80
Inv.-In. 281.32
Out. 281.12

Sta. 219+00 / 39' Rt.
Inlet B-9
T.G. 285.00
Inv.-In. 281.80
Out. 281.00

Sta. 219+00 / 44.4' Rt.
Manhole Ty. A 4' Dia.
2250 Med. Inlet
T.G. 289.74
Inv. 281.90

Sta. 223+00
Dr. Str. T3 w/2 T21 F&G
T.G. 284.02
Inv.-In. 280.08
Out. 279.88

Sta. 223+00 / 39' Rt.
Inlet B-9
T.G. 284.42
Inv.-In. 280.02
Out. 280.42

Sta. 223+00 / 44.4' Rt.
Manhole Ty. A 4' Dia.
2250 Med. Inlet
T.G. 288.50
Inv. 280.00

Sta. 226+50
Dr. Str. T3 w/2 T21 F&G
T.G. 283.54
Inv.-In. 279.10
Out. 278.90

Sta. 226+50 / 39' Rt.
Inlet B-9
T.G. 283.44
Inv.-In. 279.04
Out. 279.44

Sta. 226+50 / 44.4' Rt.
Manhole Ty. A 4' Dia.
2250 Med. Inlet
T.G. 286.42
Inv. 279.68

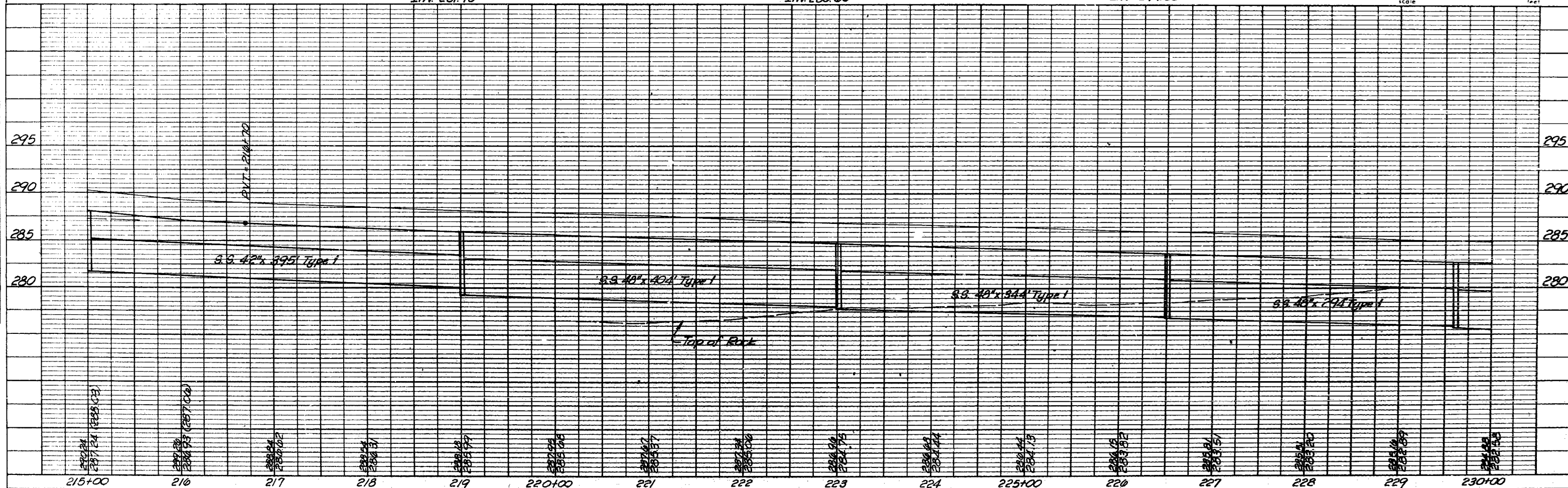
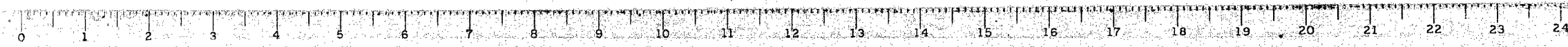


PLATE 1-PLAN PROFILE & P.A. STANDARD
TELETYPE POST, CHICAGO

STORM SEWER

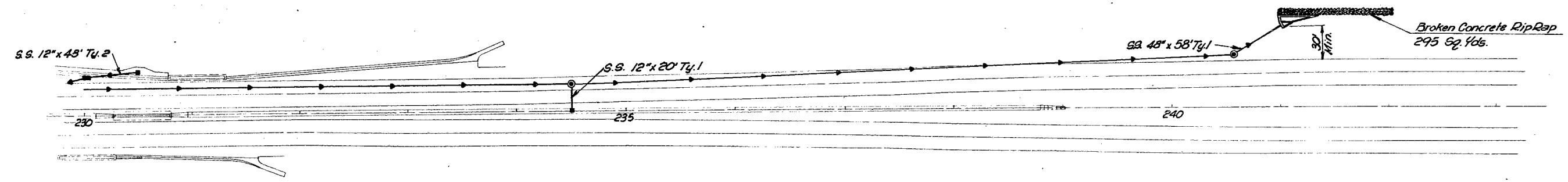


Sta. 230+50 / 39.3' Lt.
 Manhole Ty. A 4' Dia.
 2250 Mod. Inlet
 T.G. 285.36
 Inv. 279.00

Sta. 234+50 / 25.50' Lt.
 Manhole Ty. 5C 6' Dia.
 T.G. 281.27
 Inv. - In. 273.88
 S. 273.68
 W. 270.77

Sta. 240+55 / 47.6' Lt.
 Manhole Ty. 5C 6' Dia.
 T.G. 278.55
 Inv. - In. 271.57
 Out. 271.37

Sta. 241+00
 Reinforced Concrete Headwall
 48" Dia. Pipe Culvert
 60° Skewed w/ Roadway
 E 271.10



Sta. 234+50
 Dr. Str. T3 w/2 T21F&G.
 T.G. 280.97
 Inv. 270.97

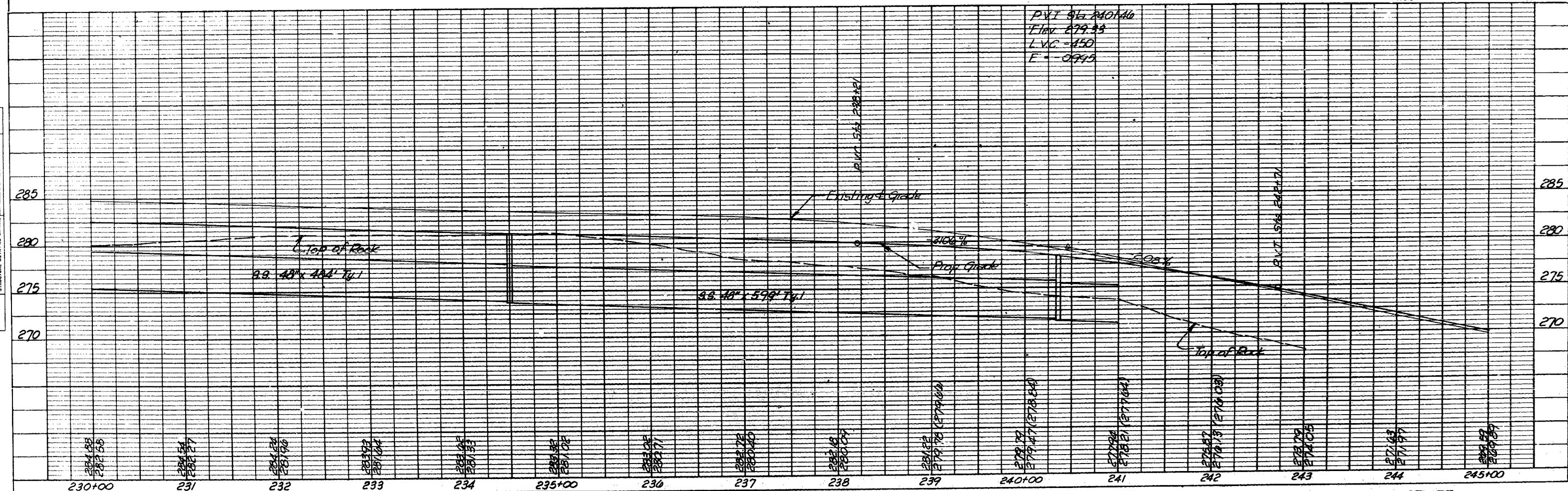
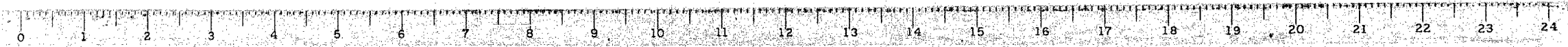
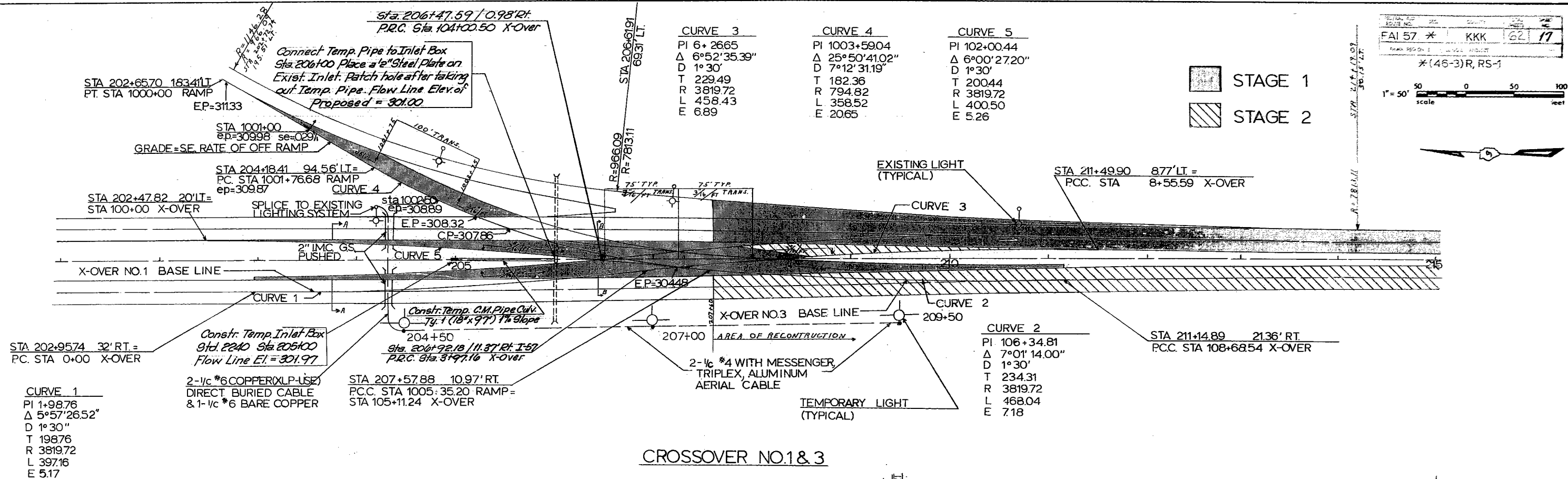
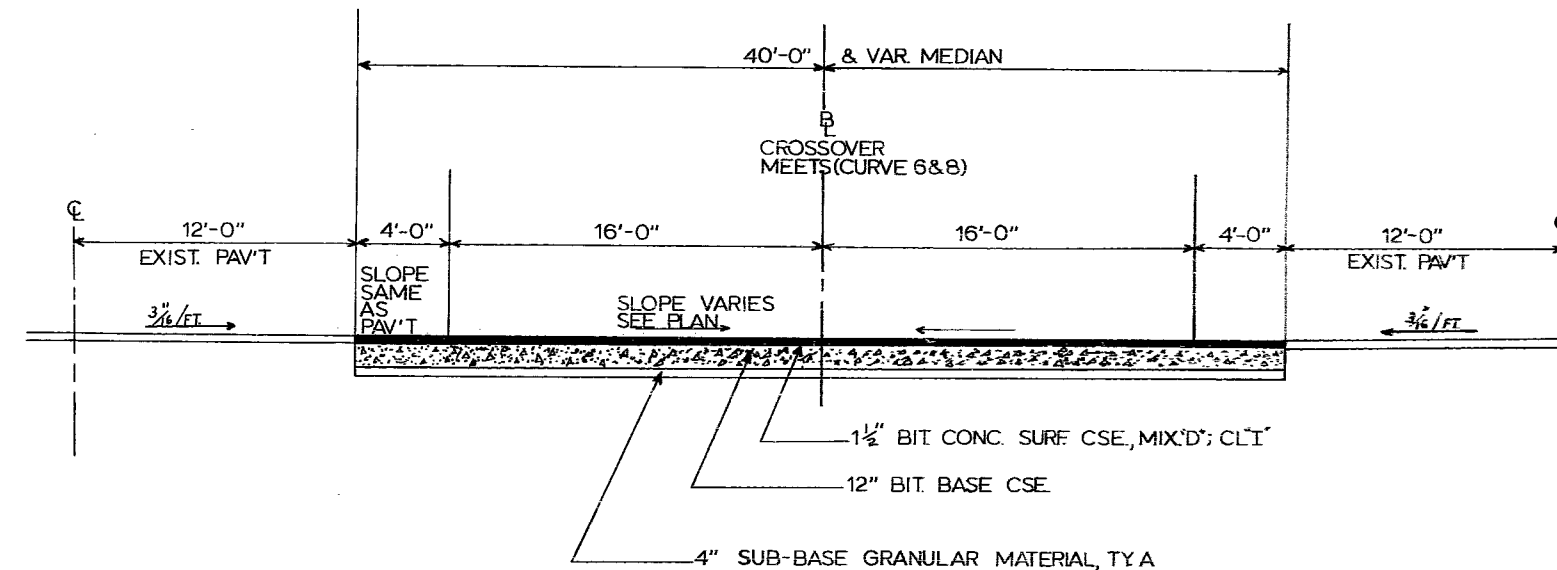
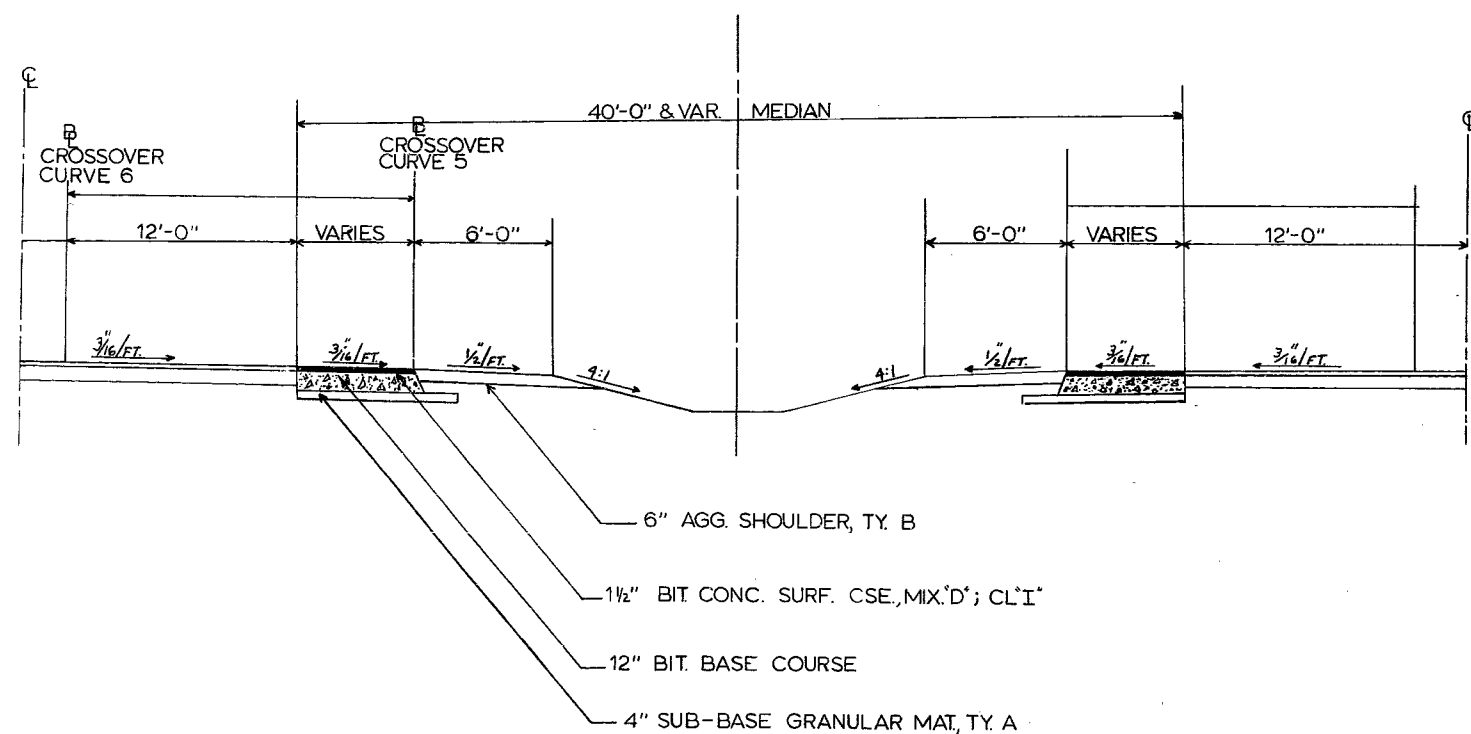
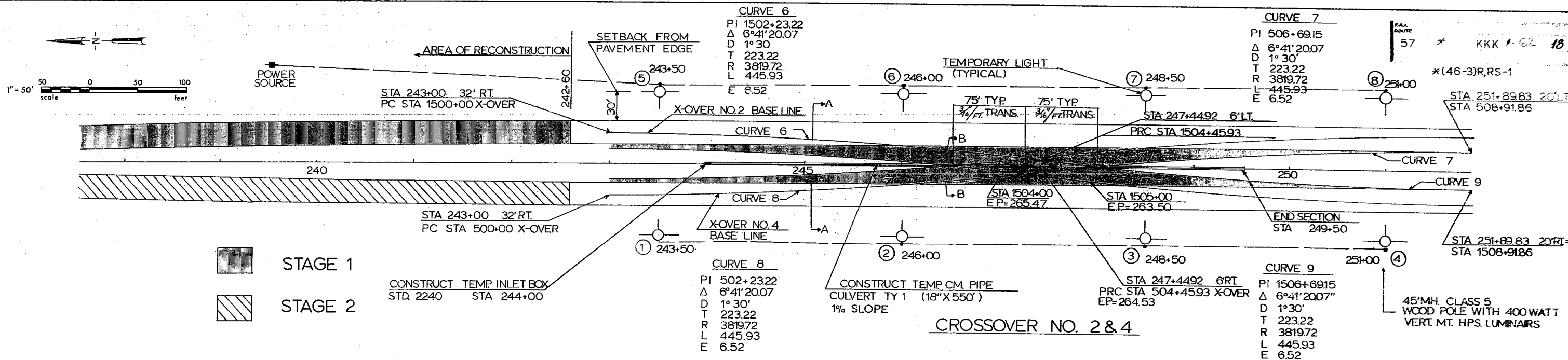


PLATE 1 - PLAN PROFILE S. P. S. STANDARD
 TELETYPE PORT, CHICAGO

STORM SEWER







TEMPORARY CROSSOVER NO.2&4

SYMBOLS

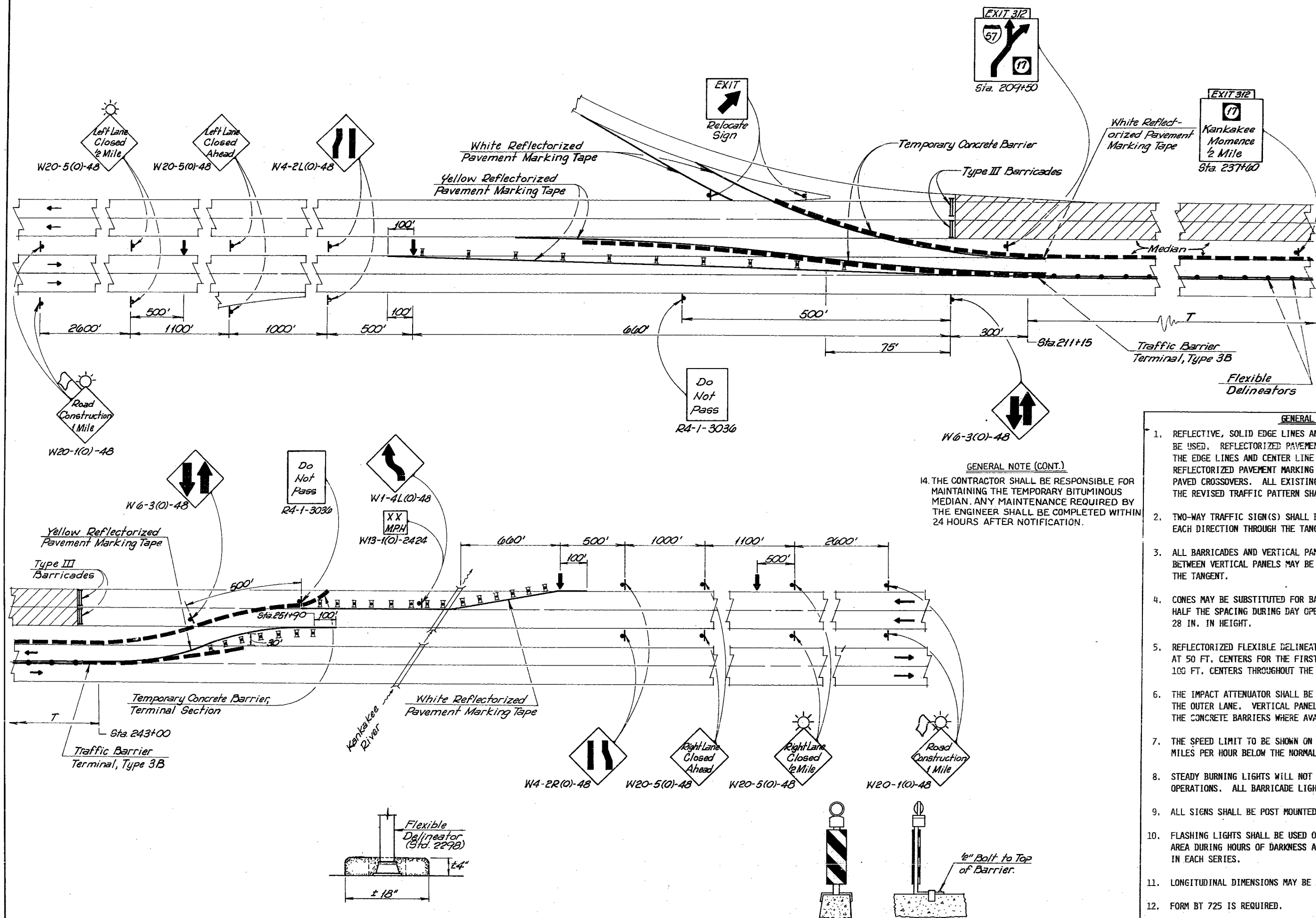
- Work Area.
- Sign on Portable or Permanent Support.
- Type III Barricade as shown on Std. 229B.
- Barricade or Drum with Steady Burning Light.
- Vertical Panel.
- Arrow Board.
-

GENERAL NOTES

1. REFLECTIVE, SOLID EDGE LINES AND A DOUBLE YELLOW CENTERLINE SHALL BE USED. REFLECTORIZED PAVEMENT MARKING TAPE SHALL BE USED FOR MARKING THE EDGE LINES AND CENTER LINE ON EXISTING PAVEMENT. EITHER TAPE OR REFLECTORIZED PAVEMENT MARKING PAINT MAY BE USED FOR MARKINGS ON THE PAVED CROSSOVERS. ALL EXISTING PAVEMENT MARKINGS WHICH CONFLICT WITH THE REVISED TRAFFIC PATTERN SHALL BE REMOVED.
2. TWO-WAY TRAFFIC SIGN(S) SHALL BE REPEATED EVERY ONE-QUARTER MILE IN EACH DIRECTION THROUGH THE TANGENT DISTANCE.
3. ALL BARRICADES AND VERTICAL PANELS SHALL BE AT 50 FT. CENTERS. SPACING BETWEEN VERTICAL PANELS MAY BE INCREASED TO 100 FT. WITHIN THE LIMITS OF THE TANGENT.
4. CONES MAY BE SUBSTITUTED FOR BARRICADES OR FLEXIBLE DELINEATORS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 IN. IN HEIGHT.
5. REFLECTORIZED FLEXIBLE DELINEATORS ARE TO BE ATTACHED TO THE PAVEMENT AT 50 FT. CENTERS FOR THE FIRST 250 FEET AT EACH END OF "T", AND AT 100 FT. CENTERS THROUGHOUT THE REMAINDER OF "T".
6. THE IMPACT ATTENUATOR SHALL BE POSITIONED SO AS NOT TO ENCRATCH ONTO THE OUTER LANE. VERTICAL PANELS (SEE DETAIL A) SHALL BE ATTACHED TO THE CONCRETE BARRIERS WHERE AVAILABLE SPACE PROHIBITS USE OF BARRICADES.
7. THE SPEED LIMIT TO BE SHOWN ON THE ADVISORY SPEED PLATE SHALL BE 10 MILES PER HOUR BELOW THE NORMAL POSTED SPEED LIMIT.
8. STEADY BURNING LIGHTS WILL NOT BE REQUIRED ON BARRICADES FOR DAY OPERATIONS. ALL BARRICADE LIGHTS SHALL BE MONODIRECTIONAL.
9. ALL SIGNS SHALL BE POST MOUNTED.
10. 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.
11. LONGITUDINAL DIMENSIONS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
12. FORM BT 725 IS REQUIRED.
13. THE ENTIRE TEMPORARY BITUMINOUS MEDIAN SHALL BE PAINTED REFLECTORIZED YELLOW.

STANDARD 2417(MODIFIED #1)

Rev. 6-6-84

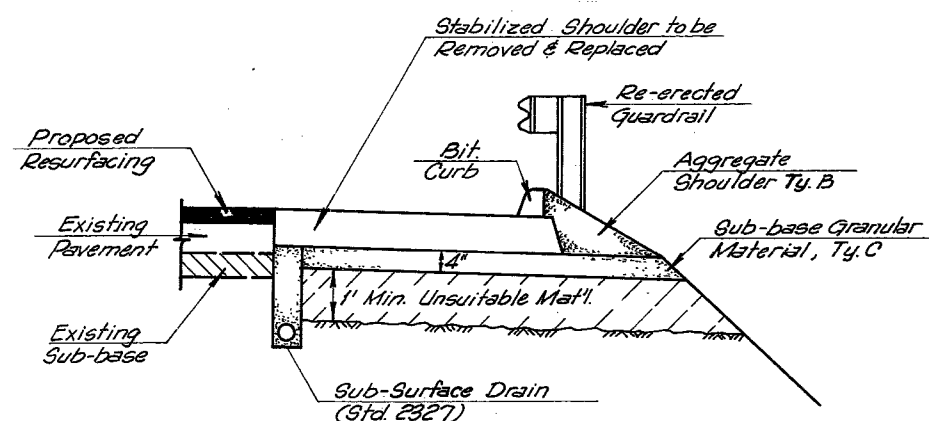


DETAIL FOR TEMPORARY BITUMINOUS MEDIAN

DETAIL "A" (Suggested Mounting Detail)

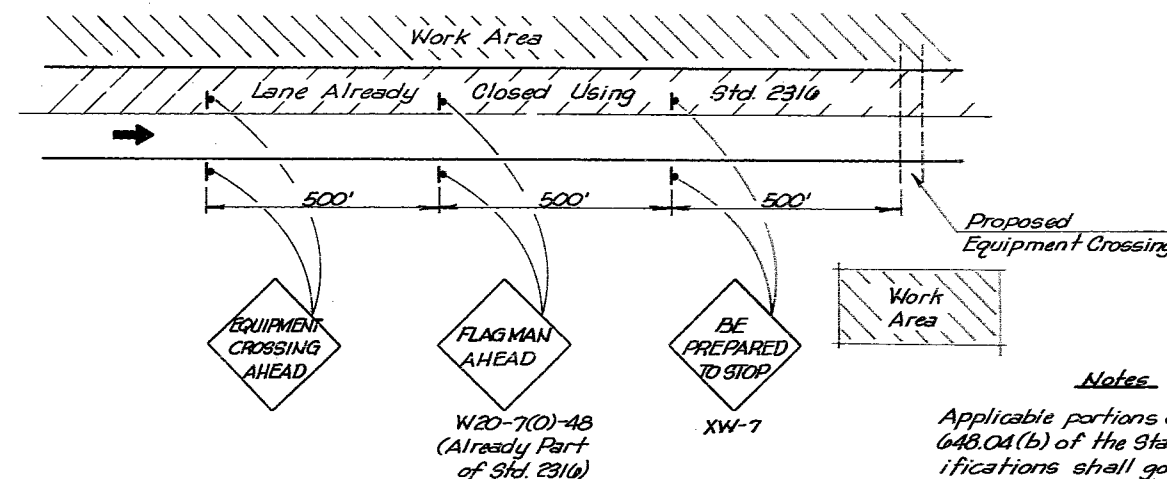
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
FAI 57	#	KKK	62	21
PRWA REG. 4	ILLINOIS	PROJECT		

(40-3)R, RS-1



OUTER SHOULDER RECONSTRUCTION

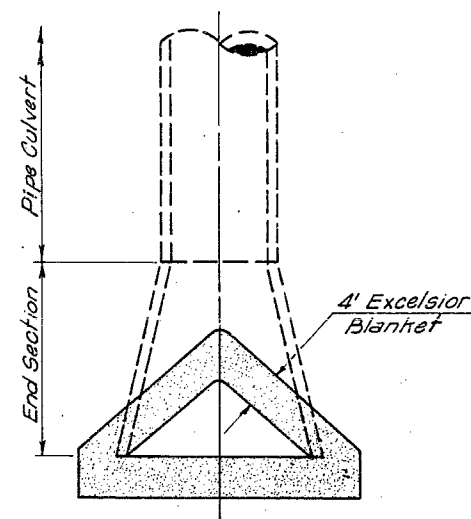
N.B. Outer Sta. 144+92-151+92
S.B. Outer Sta. 145+11-154+23.5



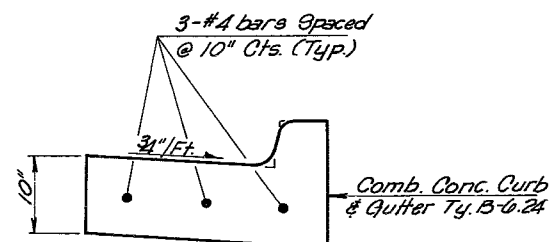
EQUIPMENT CROSSING TRAFFIC CONTROL

Notes

Applicable portions of Section 648.04(b) of the Standard Specifications shall govern. All materials to be paid for as part of Std. 2316.

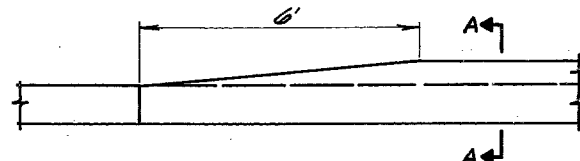


EXCELSIOR BLANKET AT PROPOSED END SECTIONS

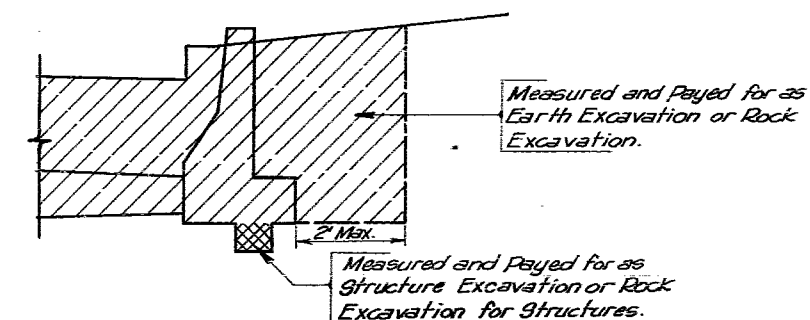


SEC. "A-A"

Re-bars in C.C.C. & G. are paid for @ Contract Unit Price per Pound for Reinforcement Bars.



DETAIL OF CURB HEIGHT TRANSITION



TYPICAL SHOWING METHOD OF MEASUREMENT & Pay Item for Excavation @ Retaining Wall Locations.

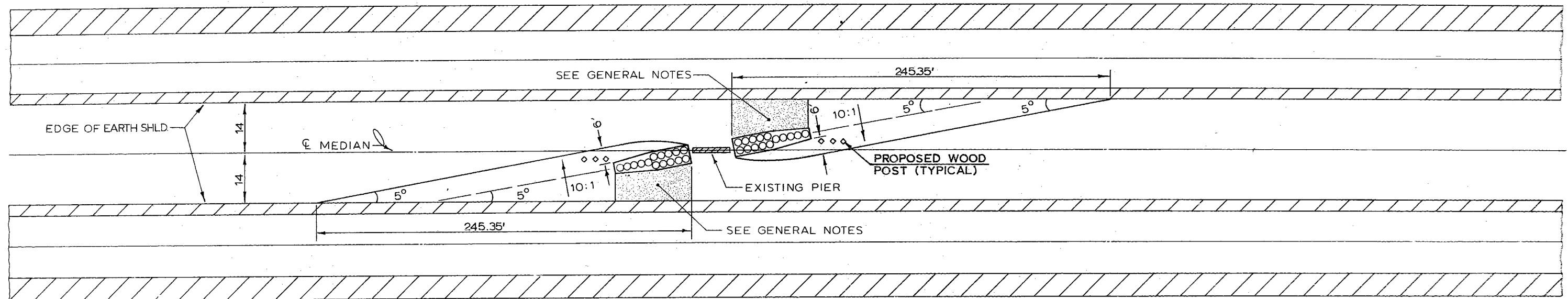
DETAILS

GENERAL NOTES

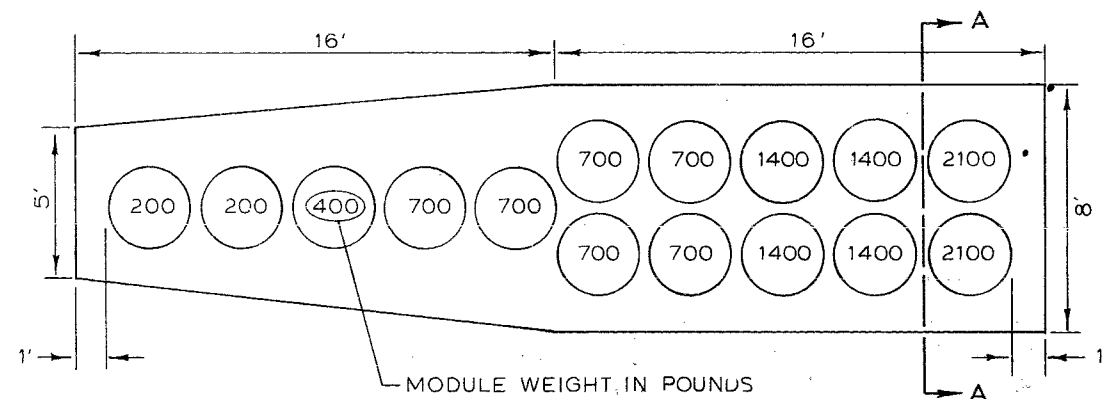
1. THE 10:1 SLOPE CONTROLS NOSE OF ATTENUATOR BASE ELEVATION.
2. ATTENUATOR BASE GRADE PARALLELS EDGE OF PAVEMENT GRADE.
3. SLOPE ADJACENT TO ATTENUATOR BASE SHALL BE 10:1 OR FLATTER.

FAI 57	*	KKK	62	22
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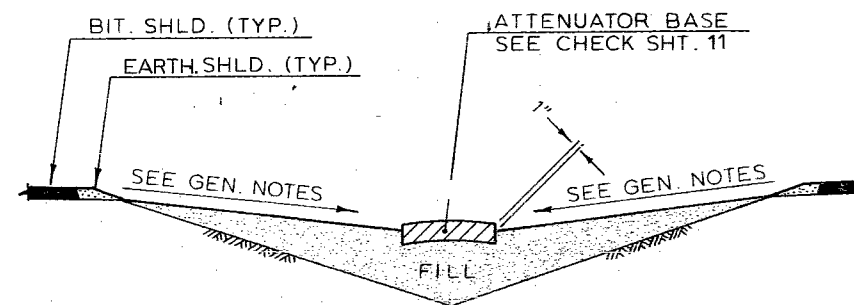
*(46-3)R, RS-1



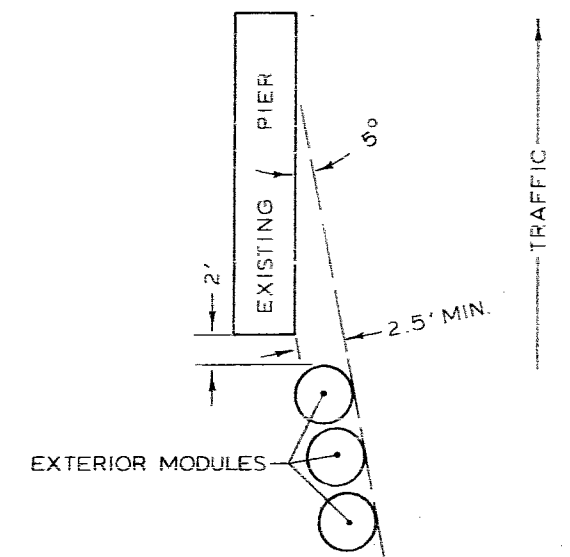
INERTIAL BARRIER LAYOUT AND GRADING PLAN



INERTIAL BARRIER MODULE ARRAY
AND ATTENUATOR BASE PLAN



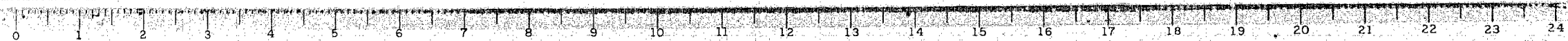
SECTION A-A

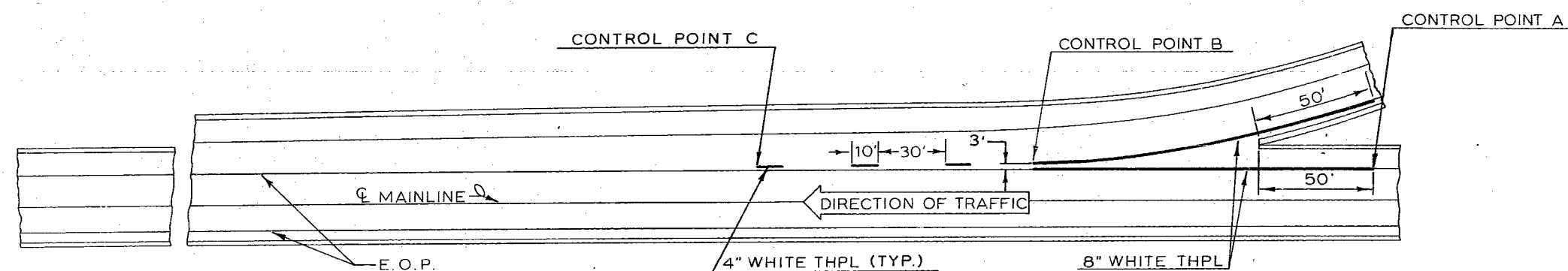


EXTERIOR MODULE LAYOUT

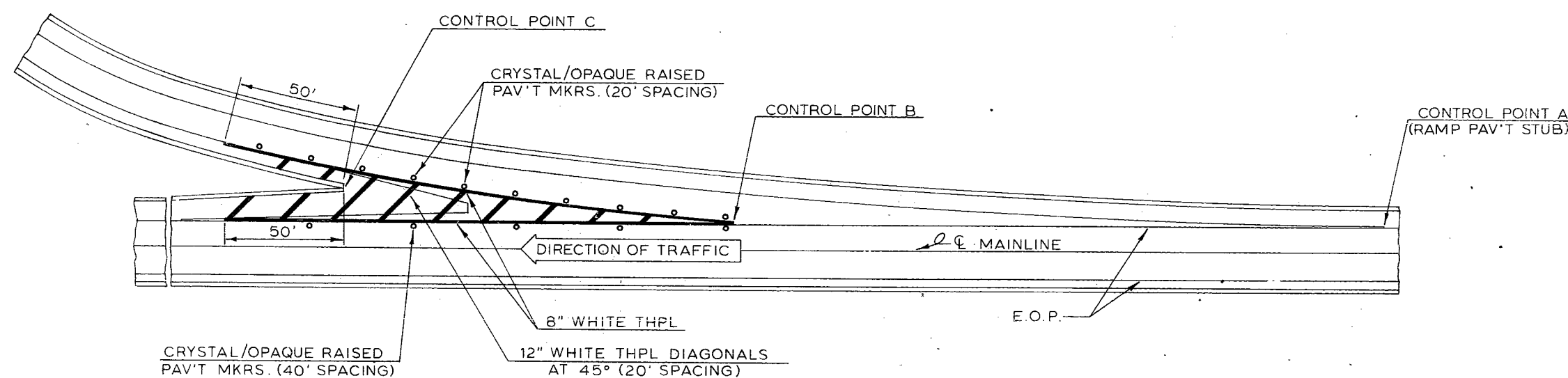
INERTIAL BARRIER INSTALLATION DETAILS
STA 225+59.91-Center Pier of North Street Overhead Structure.

Rev. 6-6-84

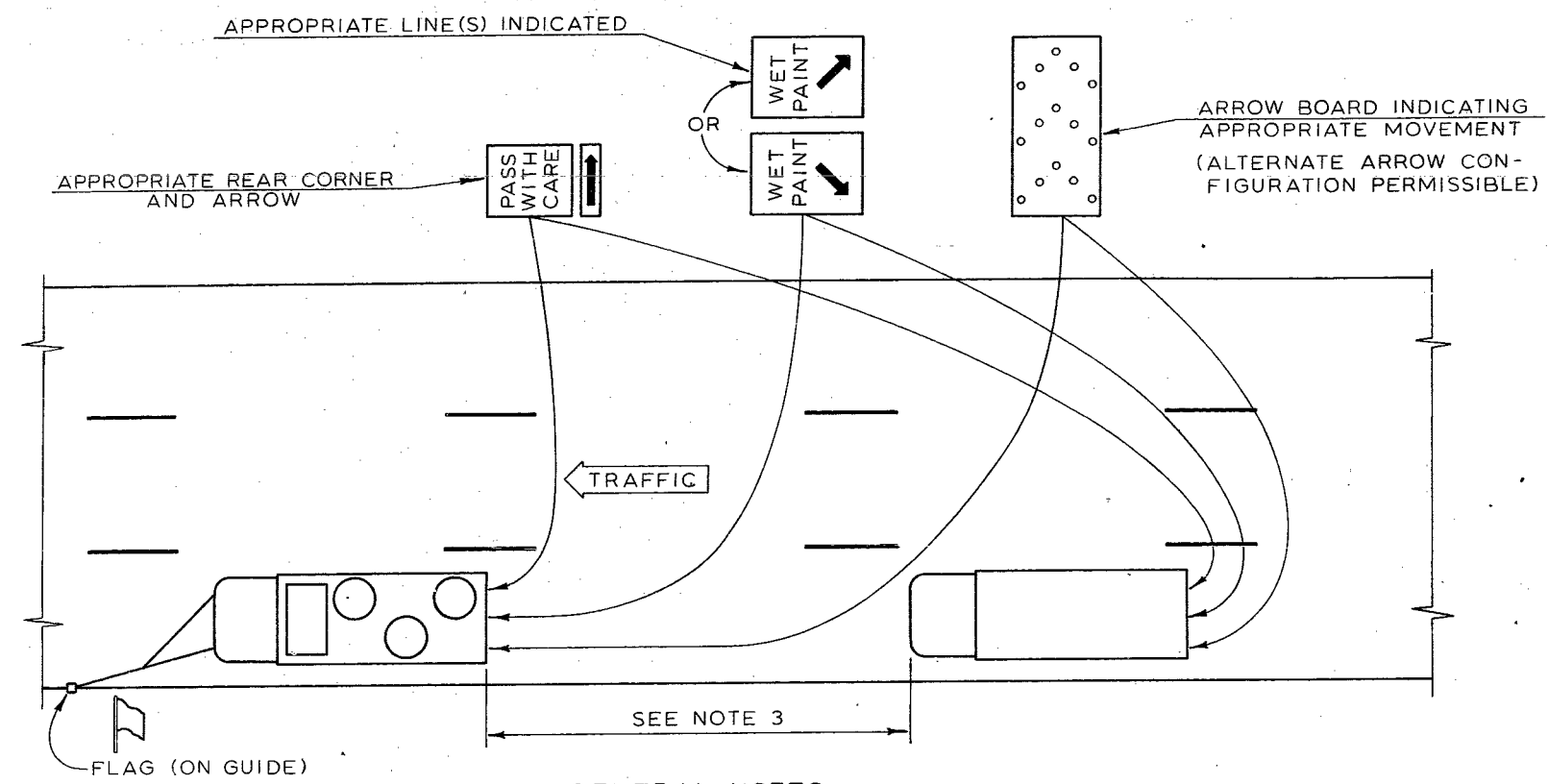




THERMOPLASTIC PAVEMENT MARKING FOR ENTRANCE RAMP TERMINALS



THERMOPLASTIC PAVEMENT MARKING FOR EXIT RAMP TERMINALS



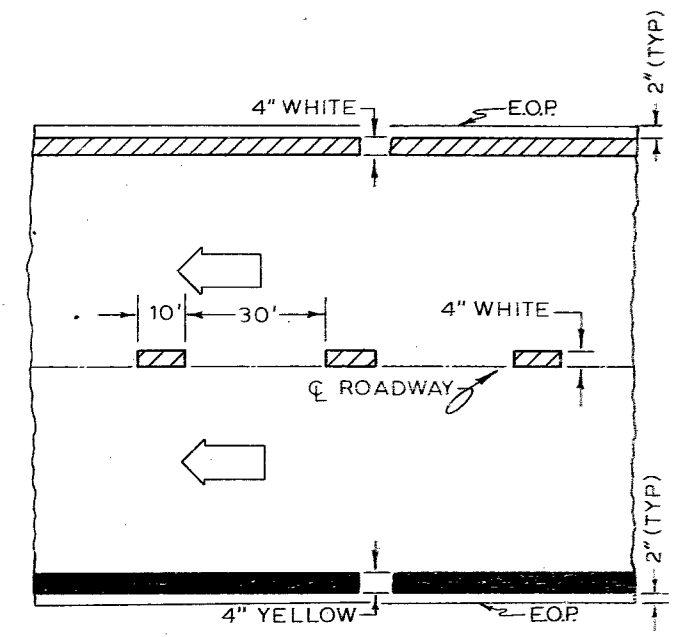
GENERAL NOTES

1. STRIPING MACHINE AND ALL VEHICLES IN CONVOY (EXCEPT LAW ENFORCEMENT VEHICLES) ARE TO HAVE HEADLIGHTS AND EMERGENCY FLASHERS OPERATING AND ARE TO DISPLAY AN AMBER COLORED OSCILLATING, ROTATING OR FLASHING LIGHT(S). AT LEAST ONE AMBER LIGHT IS TO BE VISIBLE FROM ANY DIRECTION.

2. STRIPING MACHINE AND TRAILER VEHICLE(S) MAY BE POSITIONED EITHER IN A LANE OR ASTRADDLE A LANE LINE. TRAILING VEHICLE(S) SHALL BE USED DURING LANE LINE STRIPING AND MAY BE USED DURING EDGE LINE STRIPING. TRAILING VEHICLE(S) ARE TO BE LOCATED ON THE ROADWAY DIRECTLY BEHIND STRIPING MACHINE.
3. DISTANCE TRAILING VEHICLE(S) FOLLOWS STRIPING MACHINE WILL VARY DEPENDING ON TERRAIN AND SUSCEPTIBILITY OF PAINTED LINE TO WHEEL TRACKING.

4. STRIPING OPERATION MAY BE SUPPORTED BY ADDITIONAL TRAFFIC CONTROL DEVICES.

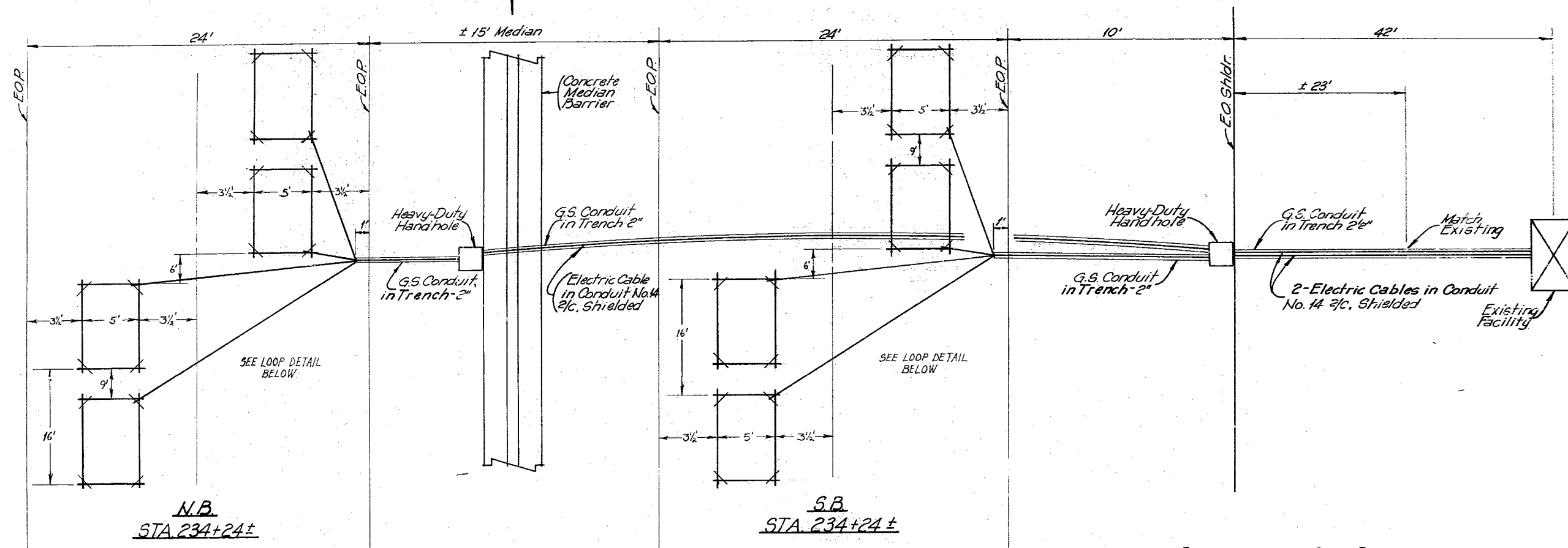
5. REQUIREMENTS LISTED HEREIN ARE INCIDENTAL TO THE PLACEMENT OF PAVEMENT MARKING.



PAVEMENT STRIPING DETAIL

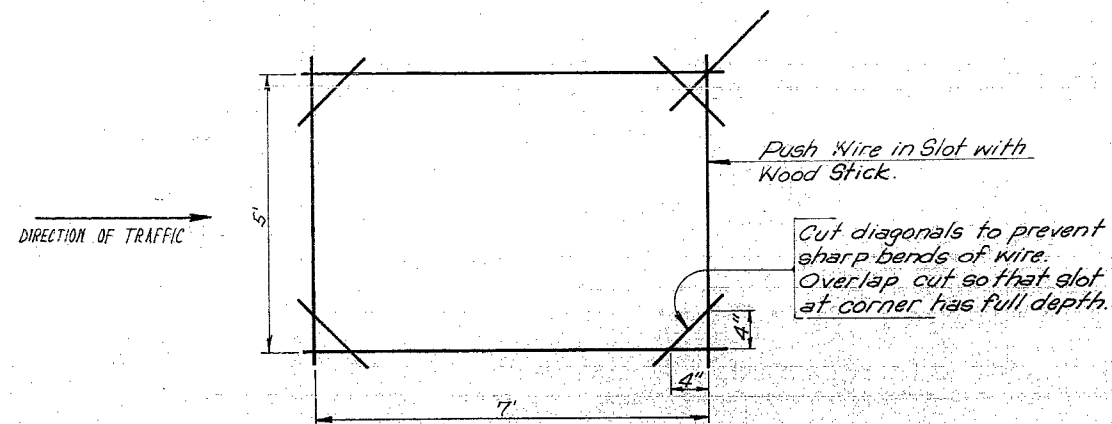
MINIMUM TRAFFIC CONTROL FOR MULTILANE STRIPING OPERATIONS





LOOP LAYOUT IN BITUMINOUS CONCRETE SURFACE COURSE

NOT TO SCALE (LOCATION OF LOOPS SHALL BE DETERMINED BY THE ENGINEER)
NO MORE THAN 2 FEET OF SLACK CABLE SHALL BE PERMITTED IN THE HANDHOLE FOR DETECTOR LOOP LEAD-IN.

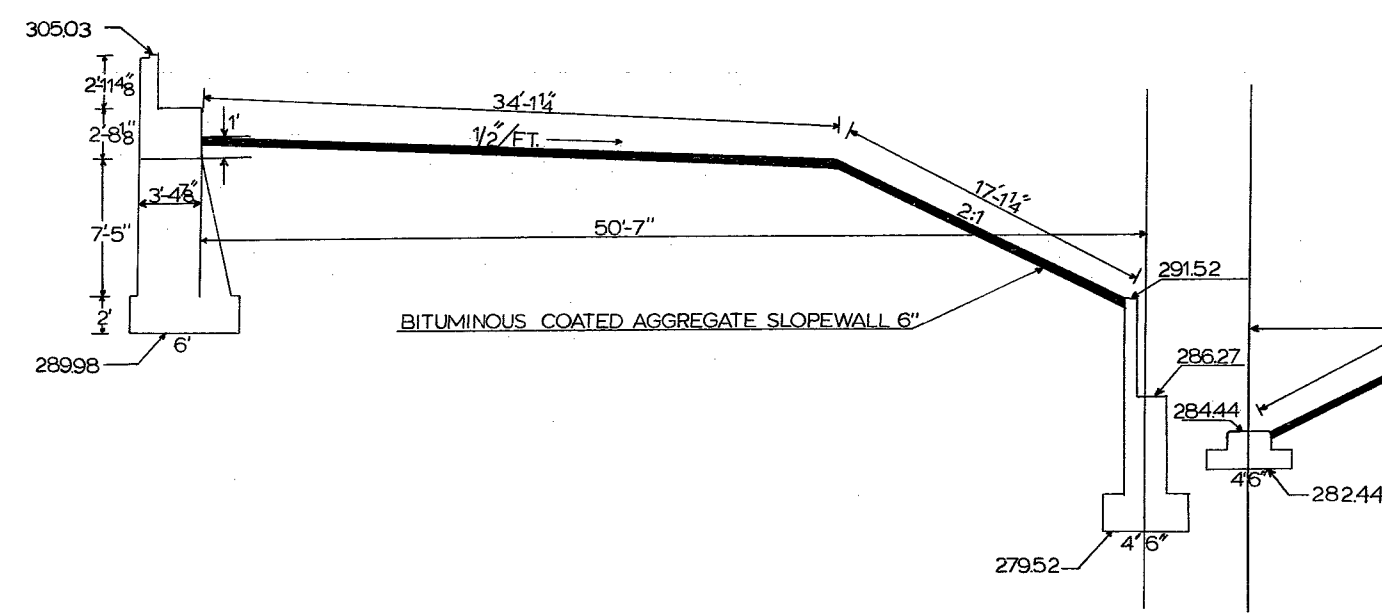


TYPICAL SLOT DETAIL FOR LOOPS

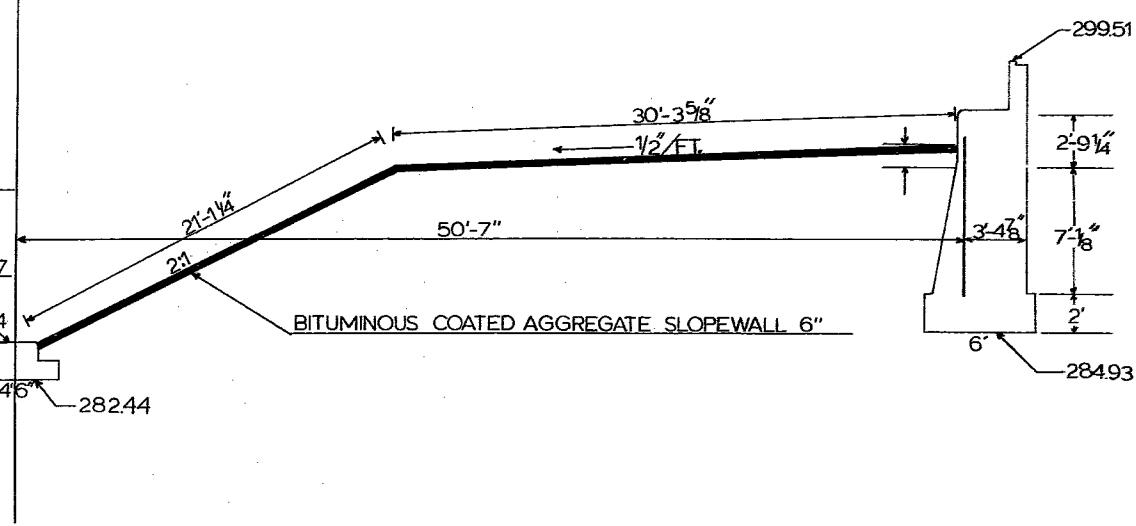
SCHEDULE OF QUANTITIES

Code No.	Item	Unit	Quantity
T41801	Detector Loop	Lin.Ft.	278
T42005	Galvanized Steel Conduit in Trench 2"	Lin.Ft.	59
T42006	Galvanized Steel Conduit in Trench 2 1/2"	Lin.Ft.	23
502004	Rock Excavation for Structures	Cu.Yds	10
T42184	Electric Cable in Conduit No. 14 2/c, Shielded	Lin.Ft.	128
T42802	Heavy-Duty Handhole	Each	2
T43001	Trench and Backfill	Lin.Ft.	72
T44308	Remove Existing Handhole	Each	2

INSTALLATION OF DETECTOR LOOP FOR AUTOMATIC SPEED MONITORING SYSTEM

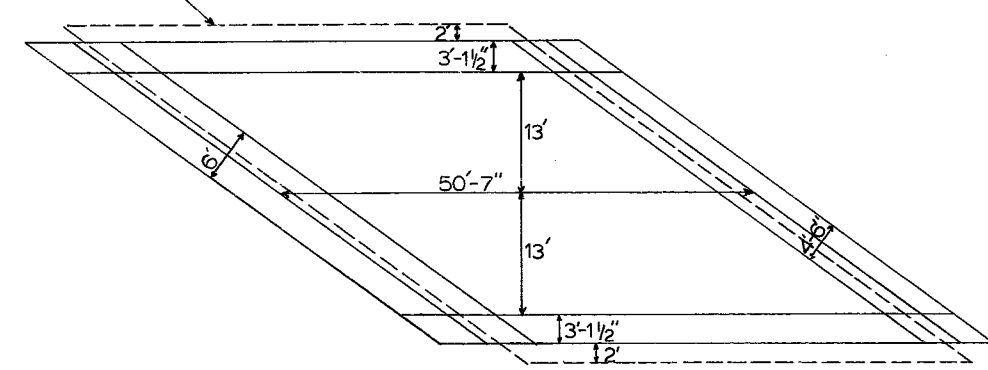


PROFILE OF WEST SLOPEWALL

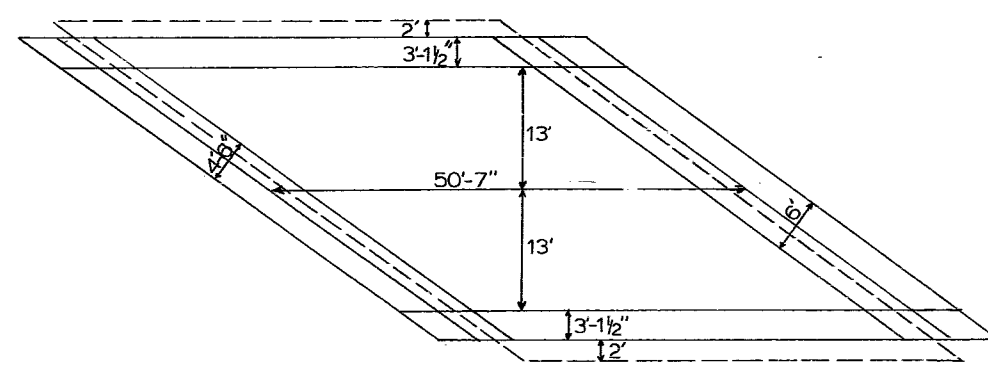


PROFILE OF EAST SLOPEWALL

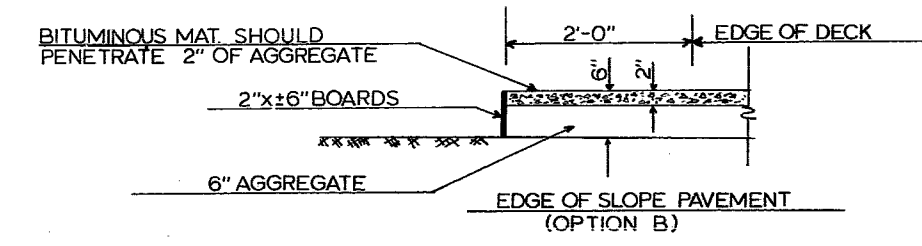
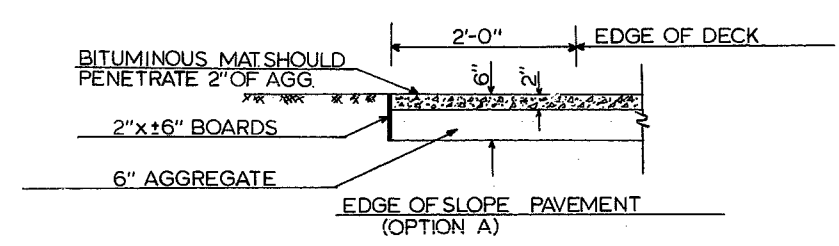
CUT OFF LINES REPRESENTS AREA OF SLOPEWALL



PLAN OF WEST SLOPEWALL



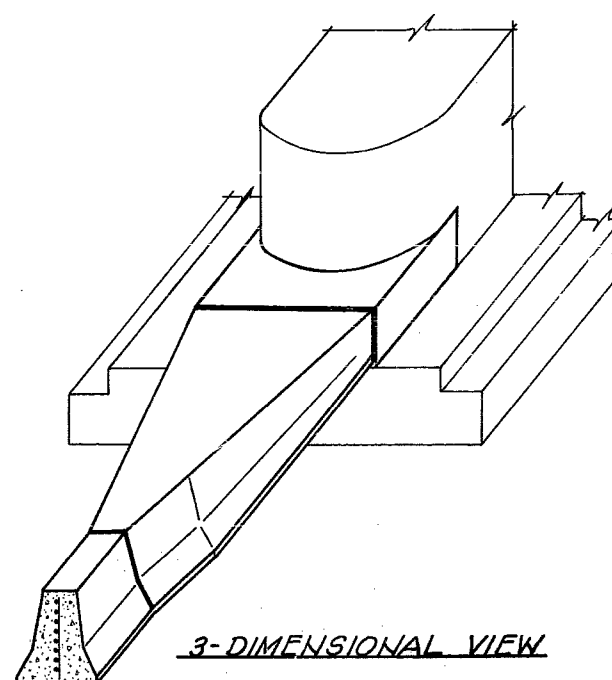
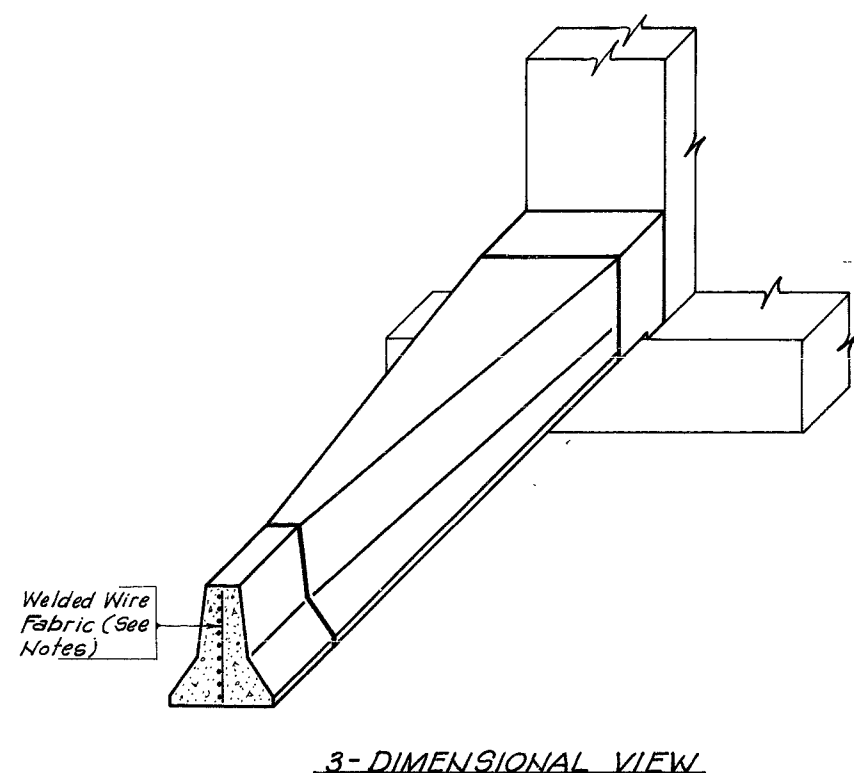
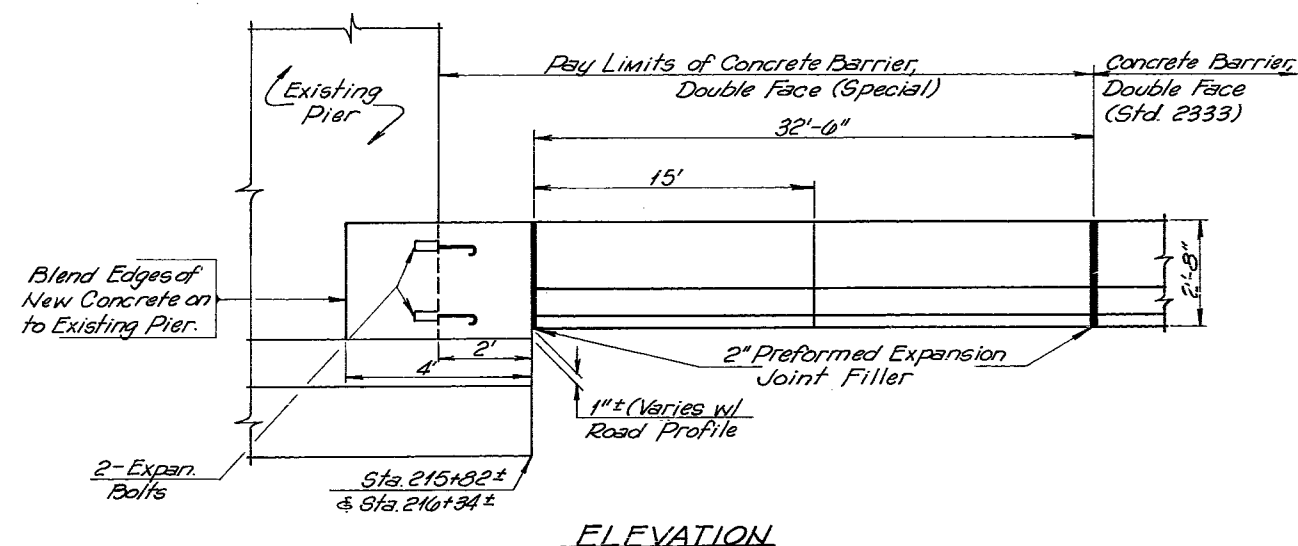
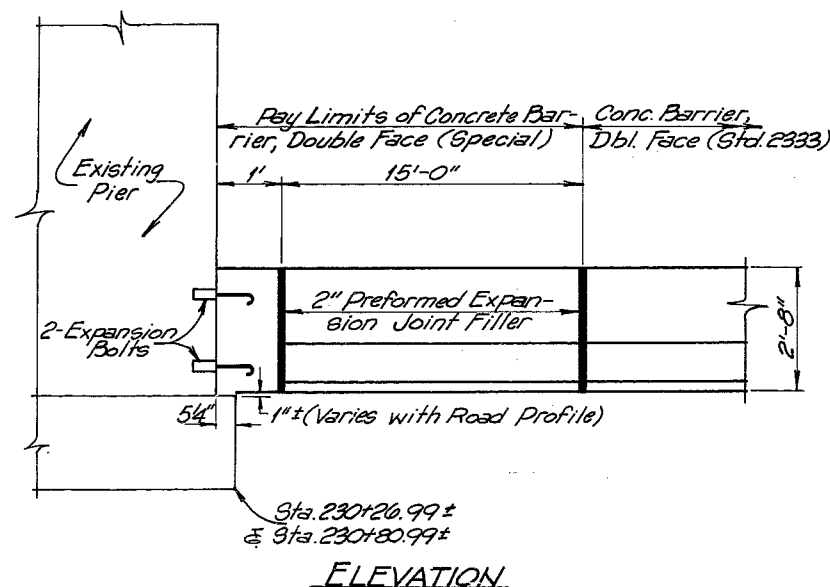
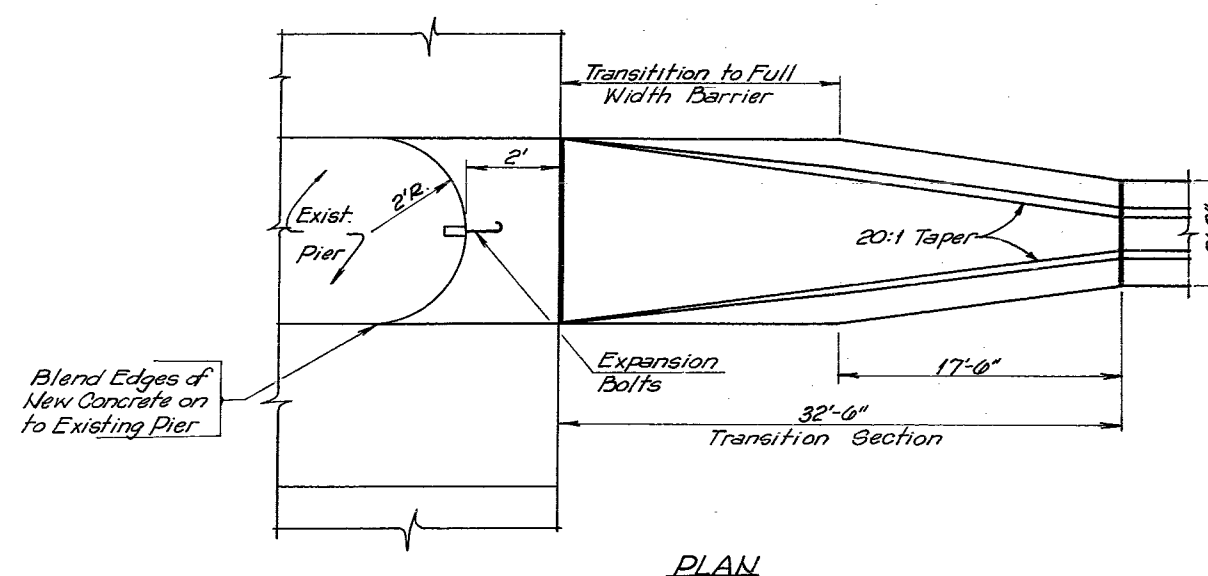
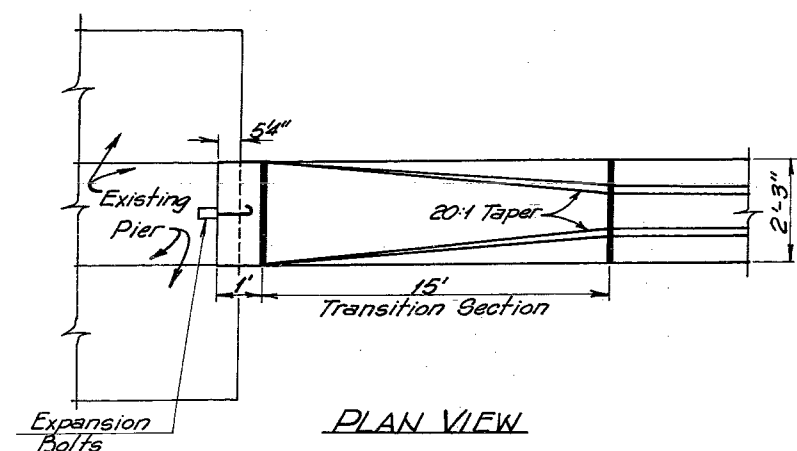
PLAN OF EAST SLOPEWALL



BILL OF MATERIALS

LOCATION	UNIT	QUANTITY
W. SLOPEWALL	SQ. YDS.	206
E. SLOPEWALL	SQ. YDS.	207
TOTAL		413

(STA. 230+53.99)
 BITUMINOUS COATED
 AGGREGATE SLOPEWALL 6"



NOTES

Welded Wire Fabric shall be 6x6 - W4 x W4, weighing approximately 58 lbs. per 100 Sq. Ft., conforming to the requirements of AASHTO M-55.

In lieu of welded wire fabric, the Contractor may elect to use 4-#4 deformed horizontal reinforcement bars on 9-inch centers & #4 deformed vertical reinforcement bars on 2'-6" centers. Minimum bar lap shall be 1'-1".

Expansion bolts shall consist of self drilling expansion shields & 3/4" hooked bolts. Hook bolts shall extend a minimum of 9" into new concrete.

Quantities shown are for information only. All materials will be paid for at the contract unit price per lineal feet for Concrete Barrier, Double Face (Special).

At locations where the median concrete barrier has a 2" thick preformed expansion joint filler, three 1/4" x 18" precoated smooth dowel bars and caps shall be placed on 12" centers.

MATERIALS

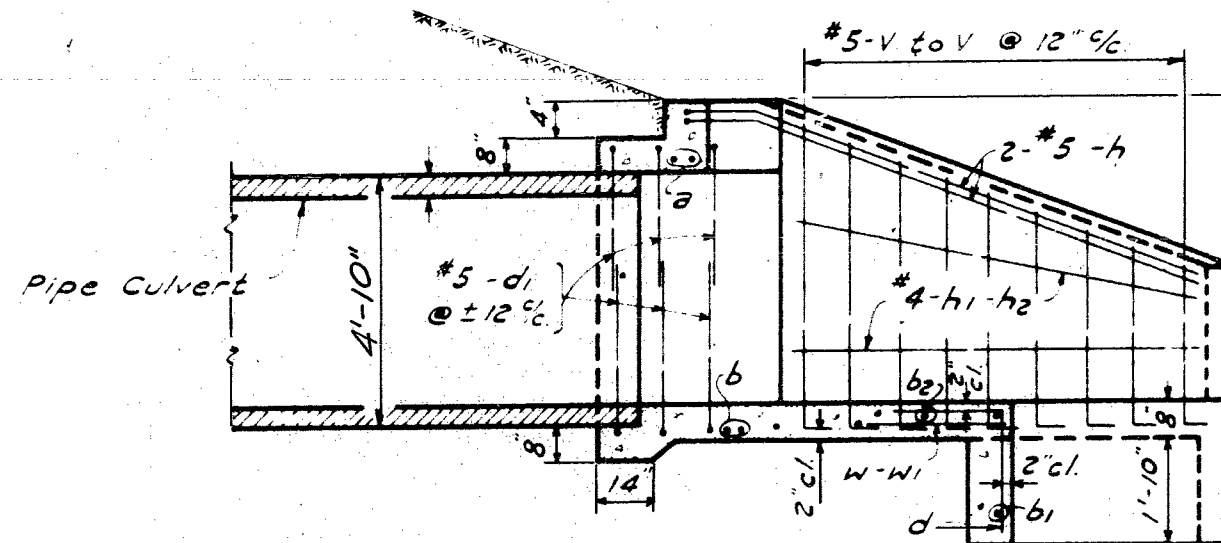
LOCATION IN MEDIAN	EXPANSION BOLTS	CLASS X CONCRETE	CONC. BARRIER, DOUBLE FACE (SPECIAL)
	EACH	CU. YD.	LIN. FT.
215+82±	2	8.1	34.5
216+34±	2	8.1	34.5
230+26.99±	2	2.8	10.0
230+80.99±	2	2.8	10.0
TOTAL	8	21.8	101.0

DETAILS FOR MEDIAN CONCRETE BARRIER TRANSITION FOR PIERS

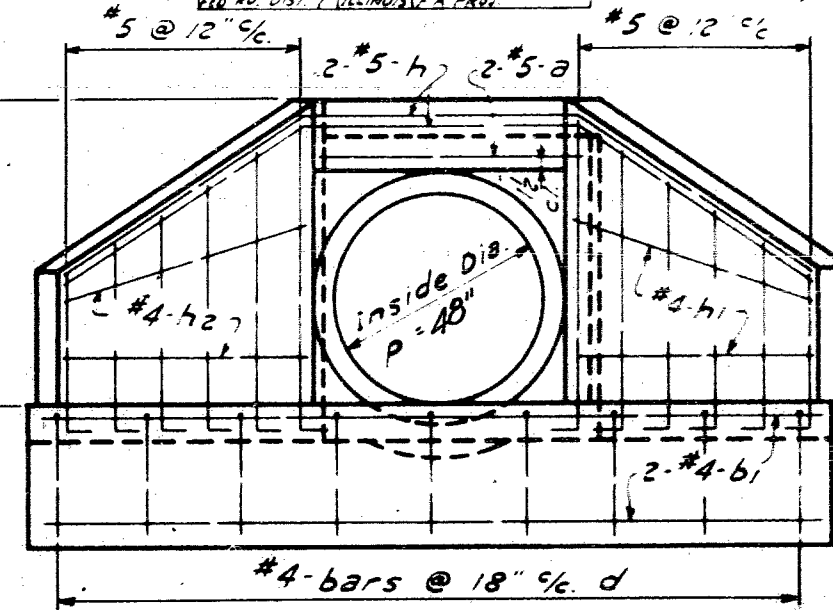
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RT NO SEC COUNTY TOTAL SHEET
57 * KKK 62 28
ILLINOIS FA PROJ

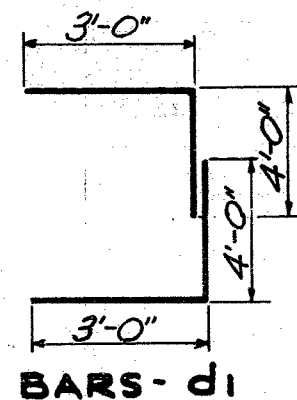
SHEET 1 OF 1
*(46-3)R,RS-1



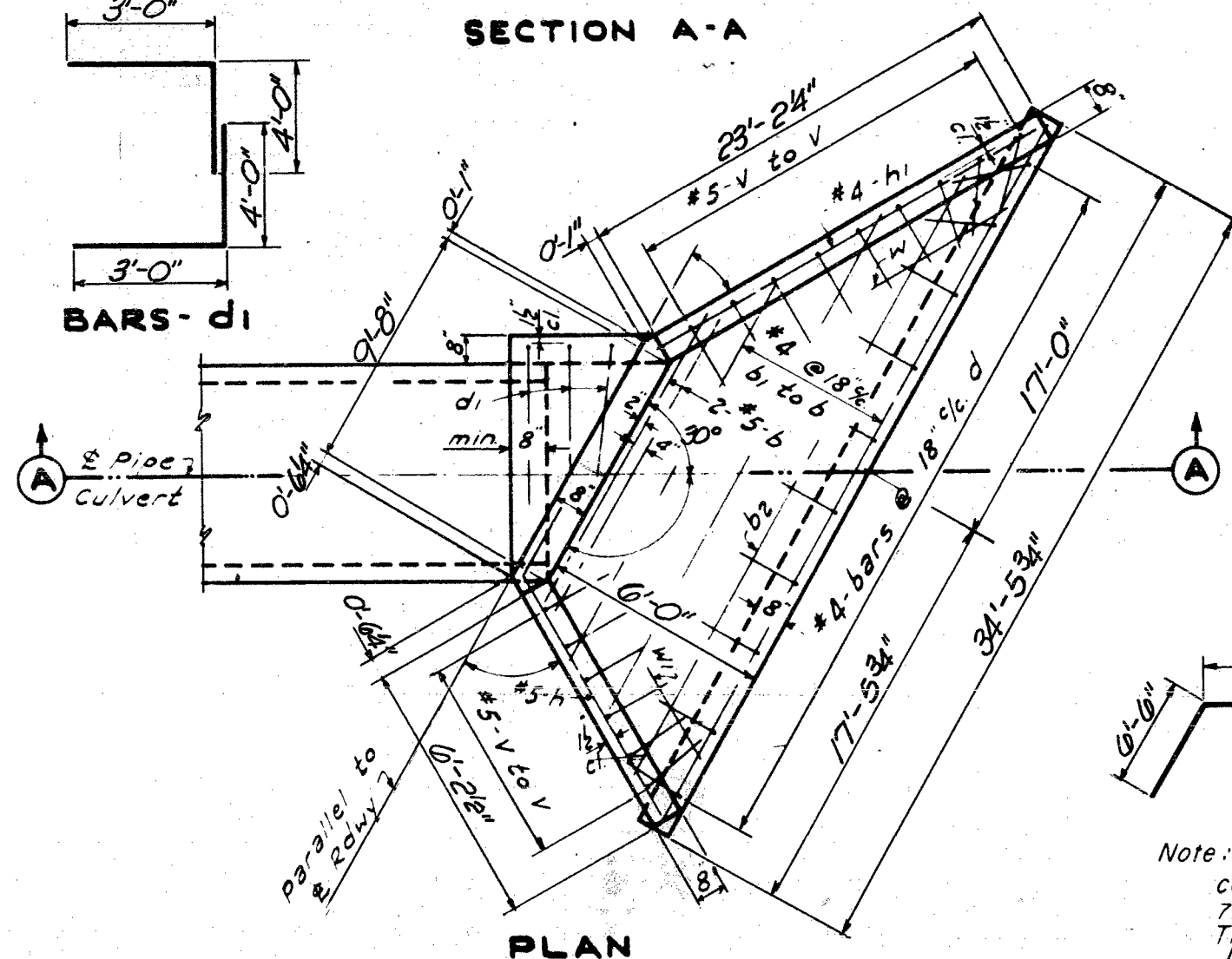
SECTION A-A



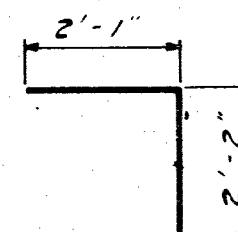
END VIEW



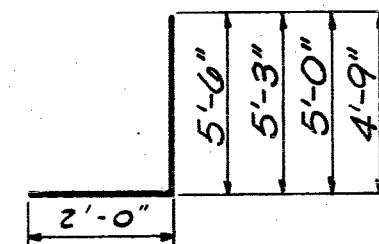
BARS - d1



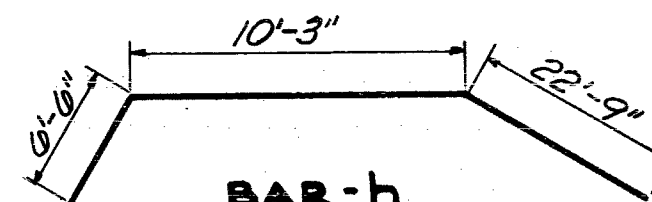
PLAN



BAR - d



BARS - v-v1 etc.



BAR - h

Bend in field

Note: All bars shall be round and shall conform to the requirements of Art. 710.13 of the Standard Specifications. The size number is the number of 1/8" inches in the nominal diameter.

ONE HEADWALL
BILL OF MATERIAL

BAR	No.	SIZE	LENGTH
a	2	#5	5'-0"
b	2	#5	12'-9"
b1	1	#4	17'-0"
b2	1	#4	23'-3"
b3	1	#4	29'-3"
b4	1	#4	34'-0"
d	21	#4	4'-3"
d1	14	#5	7'-0"
h	2	#5	10'-3"
h1	2	#4	22'-9"
h2	2	#4	6'-6"
v	1	#5	7'-0"
v1	2	#5	7'-3"
v2	2	#5	7'-0"
v3	3	#5	6'-9"
v4	2	#5	6'-6"
v5	3	#5	6'-3"
v6	2	#5	6'-0"
v7	3	#5	5'-9"
v8	3	#5	5'-6"
v9	3	#5	5'-3"
v10	3	#5	5'-0"
w	1	#4	5'-0"
w1	1	#4	3'-0"

Class X Concrete 108
Reinforcement Bars Lbs. 505

STANDARD	COMPUTED L.A. Wilson CHECKED L.L. Philbrook DRAWN J.S. Malecki CHECKED L.A.W.
SPECIAL	ASSEMBLED CHECKED

EXAMINED	
PASSED	BRIDGE ENGINEER
APPROVED	ENGINEER OF DESIGN
	CHIEF HIGHWAY ENGINEER

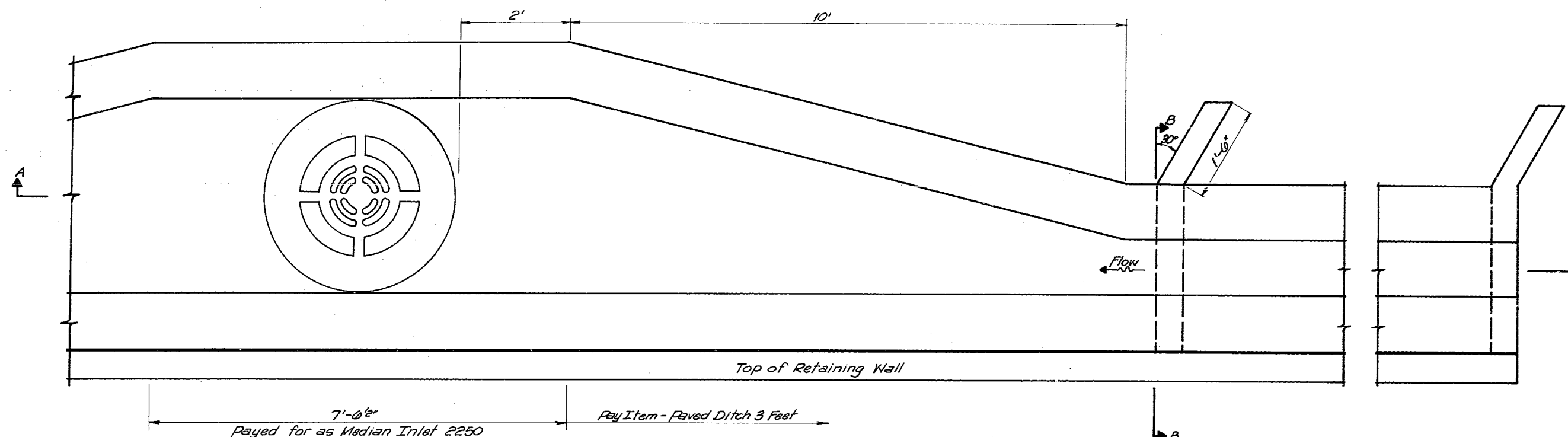
Rev. Reinf. Bars - Jan. 51 Rev. 5-9-74

NOTES

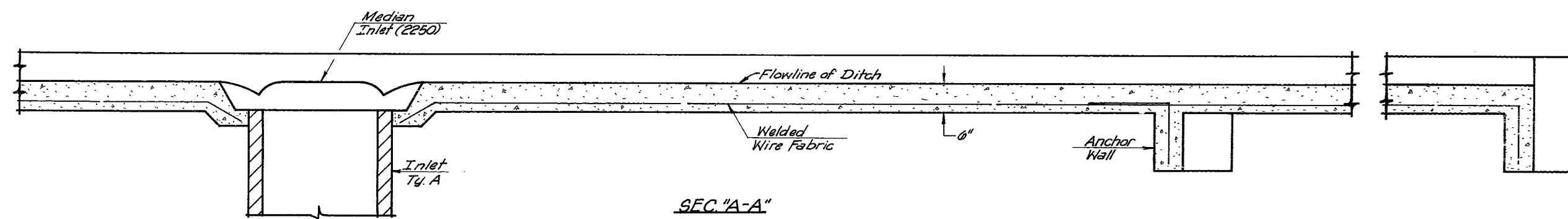
Class X Concrete shall be used throughout.
Build tops of headwalls parallel to grade line.

REINFORCED CONC. HEADWALLS
42"-48"-54" & 60" DIAM.
PIPE CULVERTS
SKEWED WITH ROADWAY

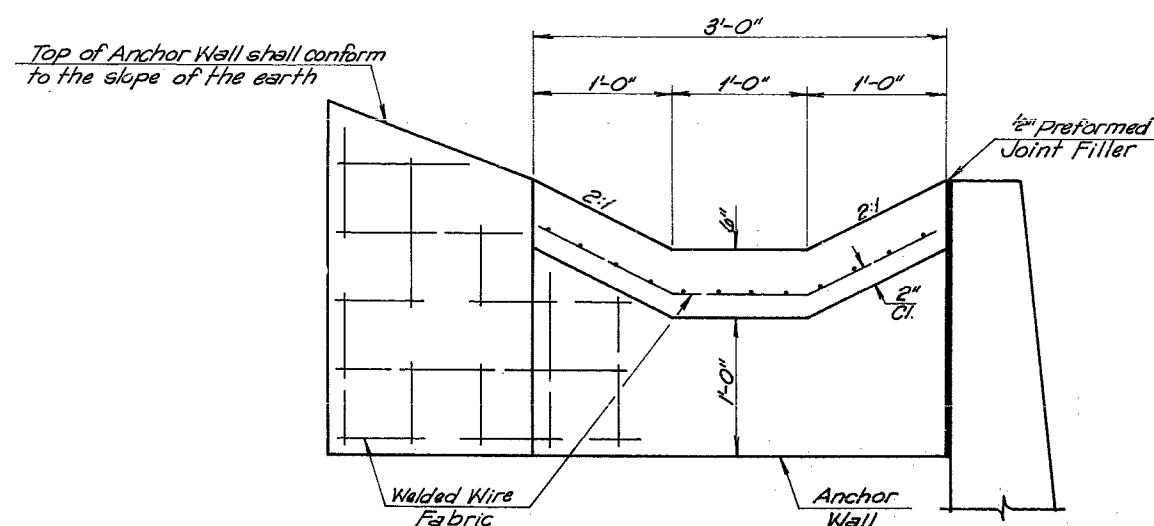
STANDARD 1998-1



PLAN



SEC. "A-A"



SEC. "B-B"

NOTES:

CLASS X CONCRETE SHALL BE USED THROUGHOUT.

WELDED WIRE FABRIC SHALL BE 6"x6" MESH, #4 GAGE, 58 LBS. PER 100 SQ. FT., CONFORMING TO THE REQUIREMENTS OF AASHTO M - 55.

1/2 INCH PREMOULDED JOINT FILLER SHALL BE PLACED AT THE JUNCTION OF PAVED DITCH WITH ANY OTHER STRUCTURE.

ANCHOR WALLS SHALL BE SPACED AT NOT MORE THAN 50 FOOT INTERVALS.

ANCHOR WALLS AND CUT-OFF WALL SHALL BE CONSTRUCTED MONOLITHICALLY WITH THE PAVED DITCH.

AT THE OPTION OF THE CONTRACTOR, #3 REINFORCING BARS PLACED AT 12 INCH CENTERS LONGITUDINALLY IN PAVED DITCH AND VERTICALLY IN ANCHOR AND CUT-OFF WALLS MAY BE USED IN LIEU OF THE WELDED WIRE FABRIC.

PAVED DITCH 3 FEET WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER LINEAL FOOT, MEASURED IN ACCORDANCE WITH ARTICLE 616.13 OF THE STANDARD SPECIFICATIONS, WHICH PRICE SHALL INCLUDE THE COST OF FURNISHING AND PLACING THE JOINT FILLER AND THE WELDED WIRE FABRIC OR #3 REINFORCING BARS.

MEDIAN INLET 2250 SHALL BE CONSTRUCTED AND PAID FOR ACCORDING TO STANDARD 2250, EXCEPT THE 4" CONCRETE APRON SHALL BE CONSTRUCTED 6" THICK AND SHALL BE POURED MONOLITHICALLY WITH THE PAVED DITCH.

DETAIL OF PAVED DITCH 3 FEET

& MEDIAN INLET 2250

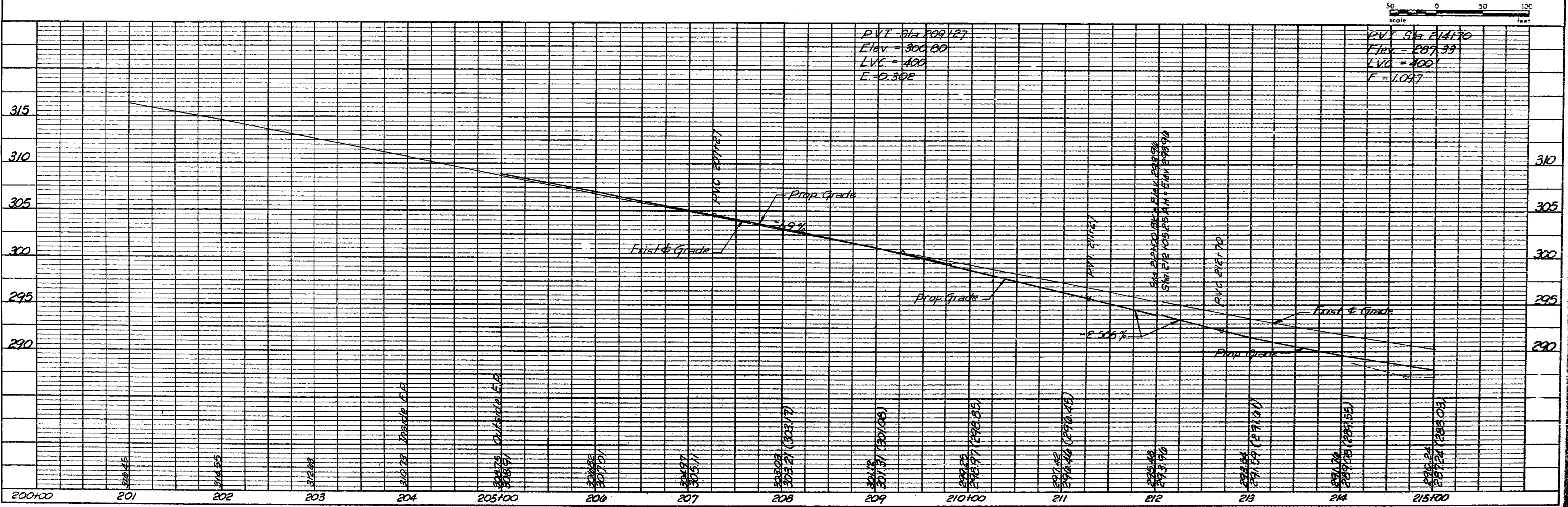
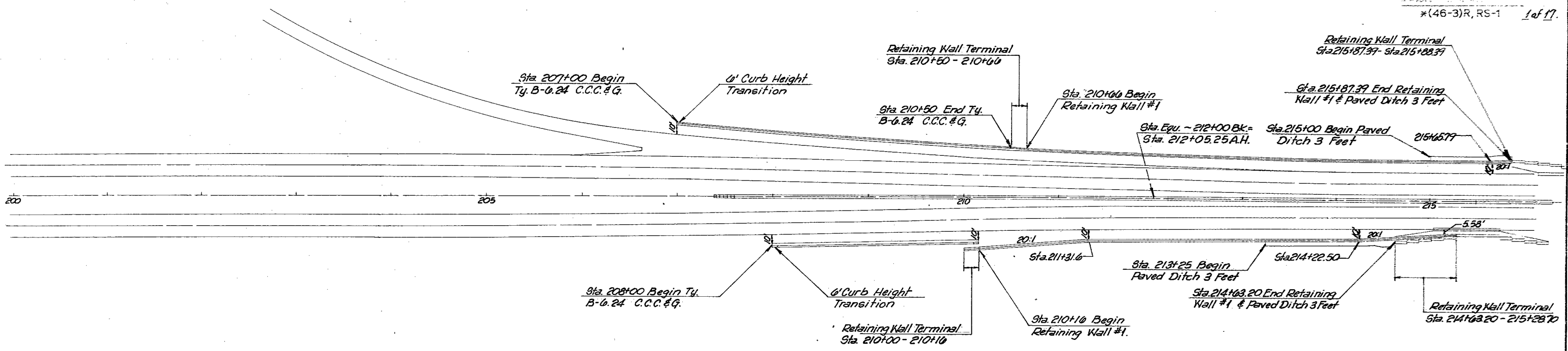
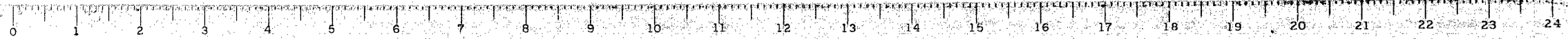


PLATE 1 - PLAN PROFILE R. F. A. STAMBAUGH
 TELETYPE POST, CHICAGO

LOCATION OF RETAINING WALL, C.C.C. & G.
 & PAVED DITCH 3 FEET.

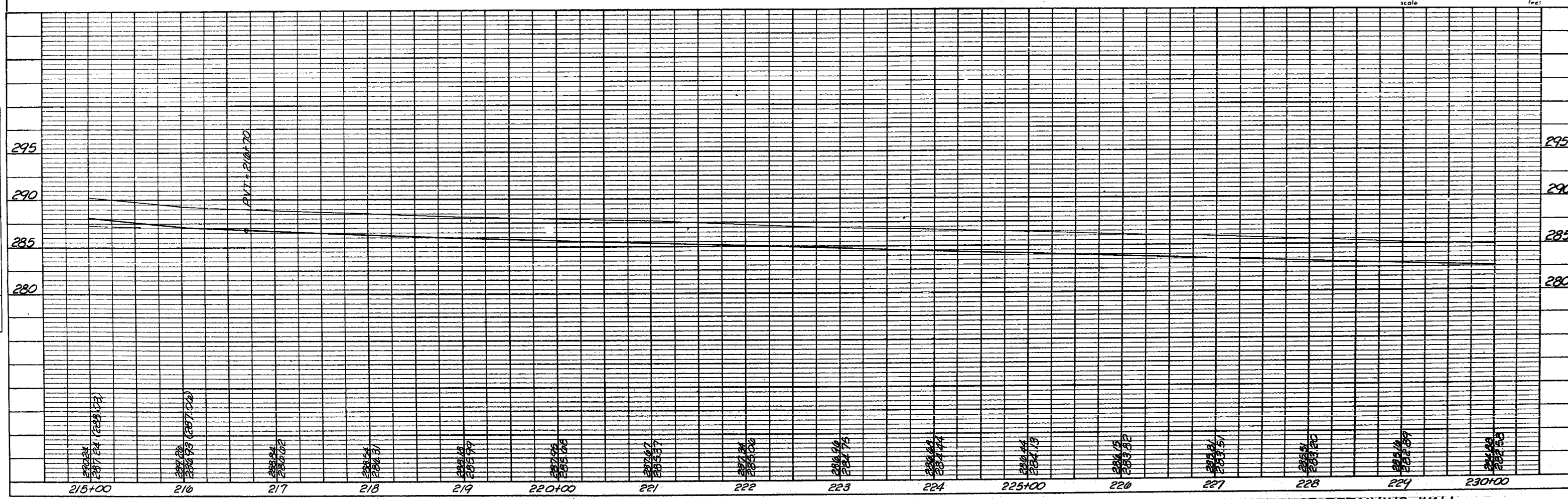
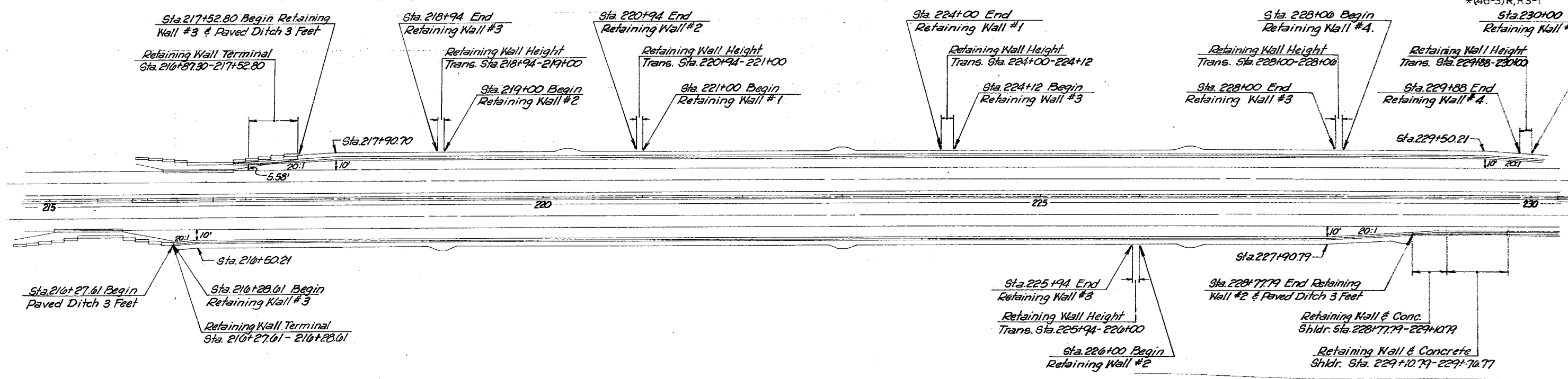


PLAN	DATE	BY
SURVEYED		
PLATTED		
ALIGNED CHECKED		
NOTE BOOK		
NO.		

PROFILE	DATE	BY
SURVEYED		
PLATTED		
ALIGNED CHECKED		
NOTE BOOK		
NO.		

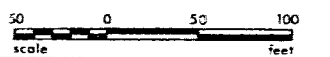
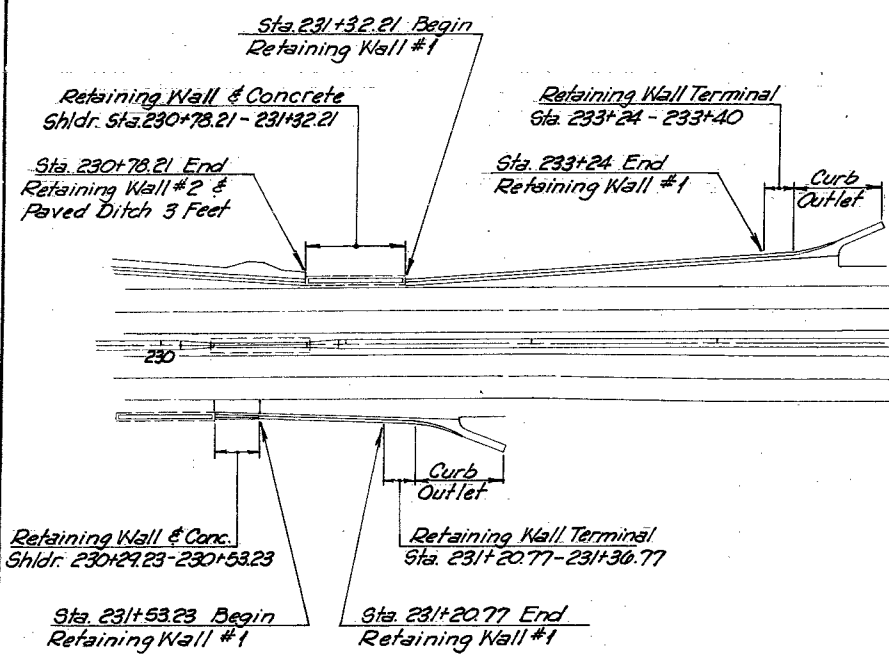
DATE
 BY
 SURVEYED
 PLAN
 NOTE BOOK
 NO.

DATE
 BY
 SURVEYED
 PROFILE
 NOTE BOOK
 NO.





PLAN	DATE
SURVEYED	
ALIGNED	
ALIGNED CHECKED	
BY	
NOTE BOOK	
NO.	



PROFILE	DATE
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GRADES CHECKED	
BY	
NOTE BOOK	
NO.	

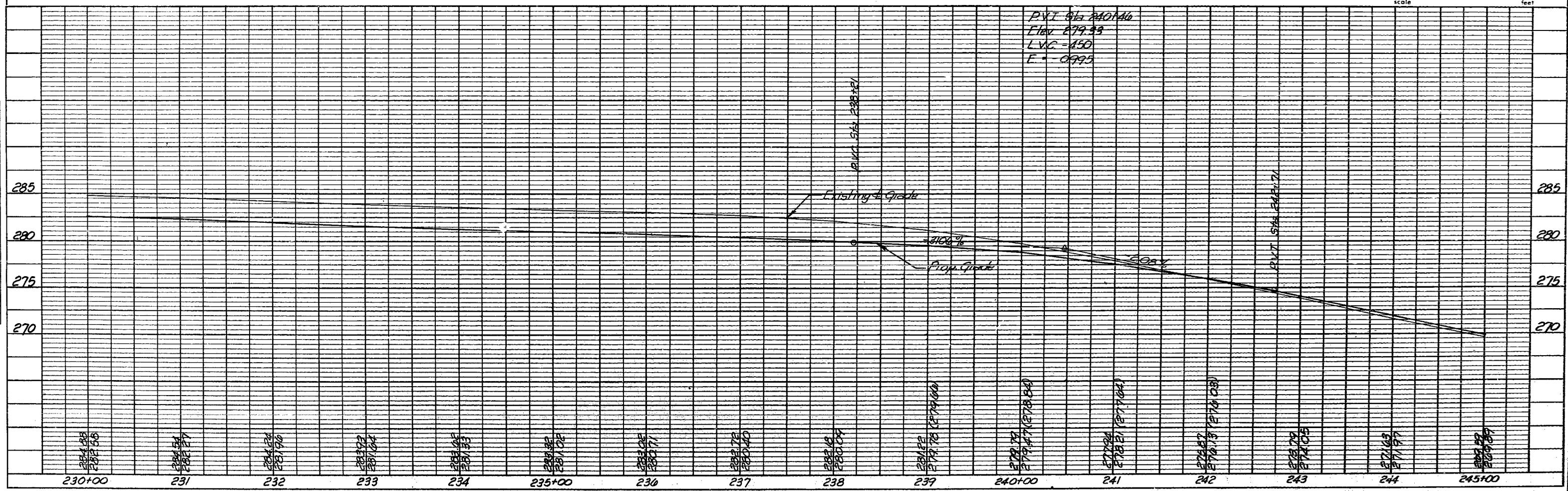


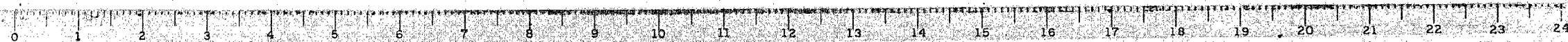
PLATE 1 - PLAN PROFILE & P. R. STANDARD
 TELETYPE POST, CHICAGO

LOCATION OF RETAINING WALL
 & CURB OUTLET



ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
FAI 57	*	KKK	62	33
ENWA. REG. 4		ILLINOIS	PROJECT	

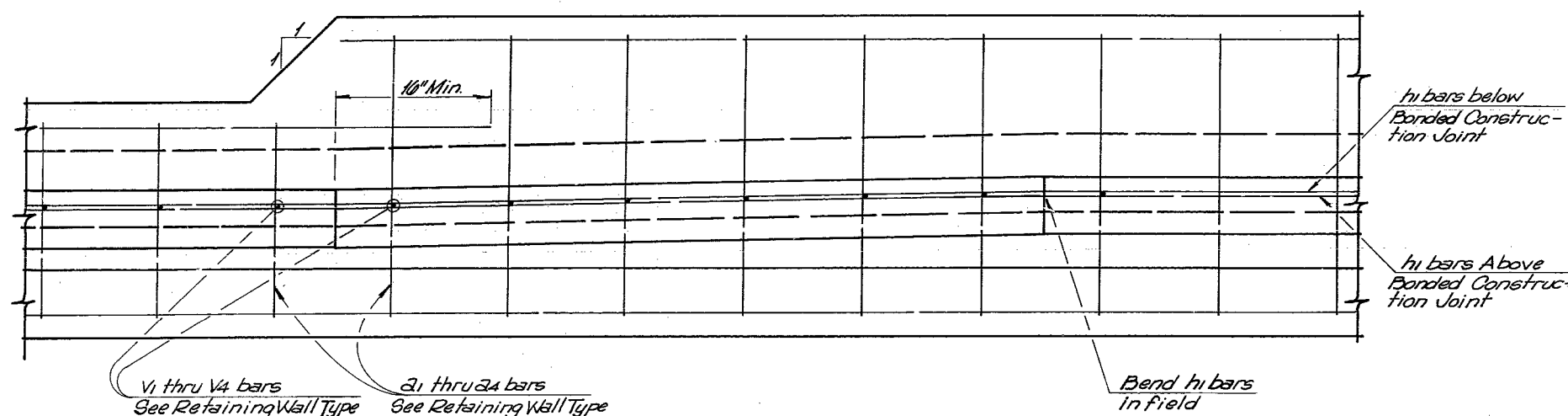
* (46-3)R, RS-1 4 of 17.

[illegible]

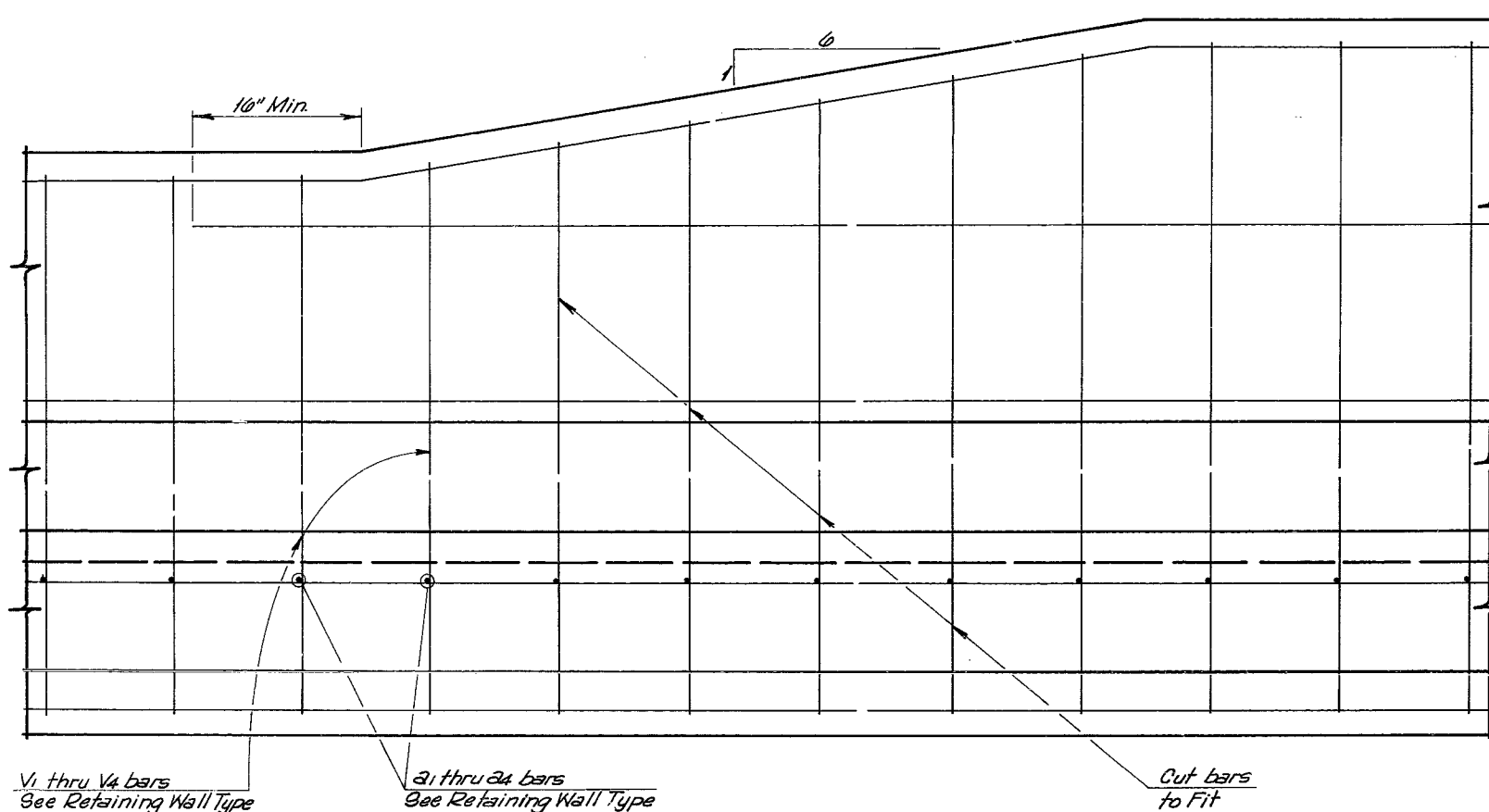
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
FAI 57	*	KKK	62	34
FHWA. REG. 4		ILLINOIS	PROJECT	

* (46-3) R RS-1 5 of 17

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24



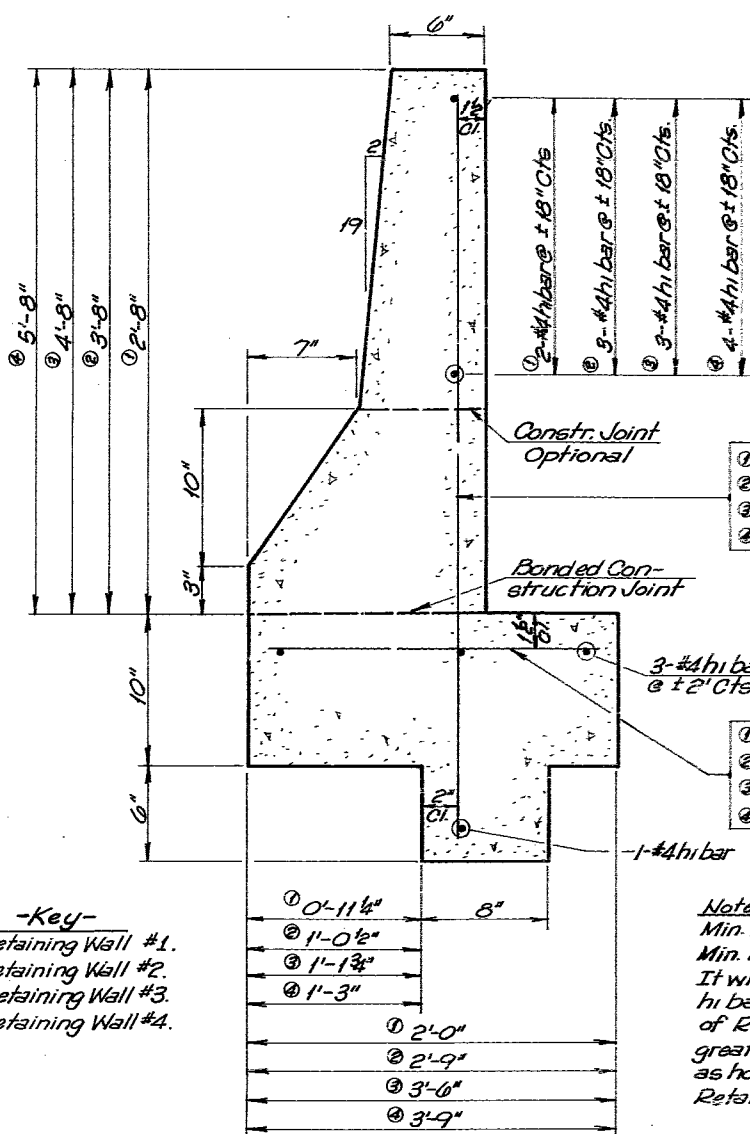
PLAN



ELEVATION
(Typical Retaining Wall Height Transition)

GENERAL NOTES

EXPOSED EDGES SHALL BE BEVELED 3/4".
CLASS X CONCRETE SHALL BE USED THROUGHOUT.
REINFORCEMENT BARS SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M-31 OR M-53, GRADE 60.
BARS INDICATED THUS 12 X 4 - #5 ETS, INDICATES 12 LINES OF BARS WITH 4 LENGTHS PER LINE.
EXPANSION BOLTS SHALL CONSIST OF SELF-DRILLING EXPANSION SHIELDS AND 3/4" DIAMETER HOOKED BOLTS. HOOKED BOLTS SHALL EXTEND A MINIMUM OF 9" INTO NEW CONCRETE.



TYPICAL RETAINING WALL SECTION

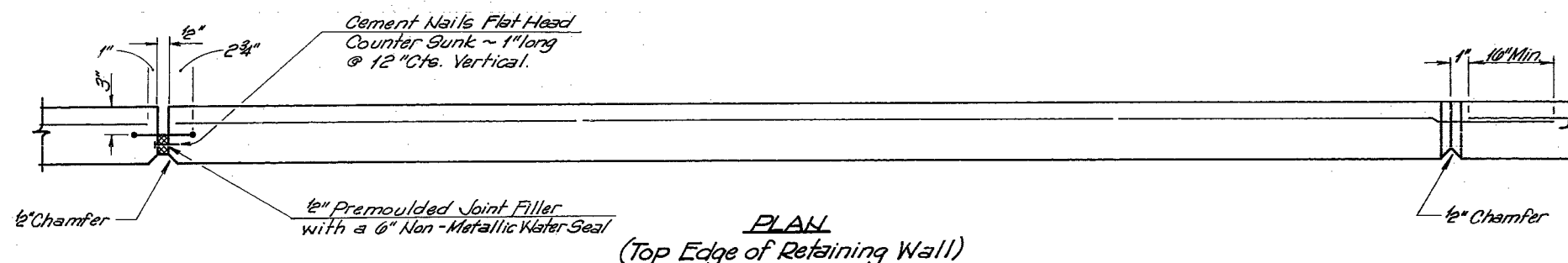
EAST RETAINING WALL

Bar	No.	Size	Length
a1	1008	#4	1'-9"
a2	278	#4	2'-6"
a3	547	#4	3'-3"
a4	200	#4	3'-6"
h1	450	#4	3'-6"
V1	1008	#4	3'-9"
V2	278	#4	4'-9"
V3	547	#4	5'-9"
V4	200	#4	6'-9"
Reinforcement Bars	Lbs.	19,177	
Class X Concrete	Cu. Yd.	417.8	

WEST RETAINING WALL

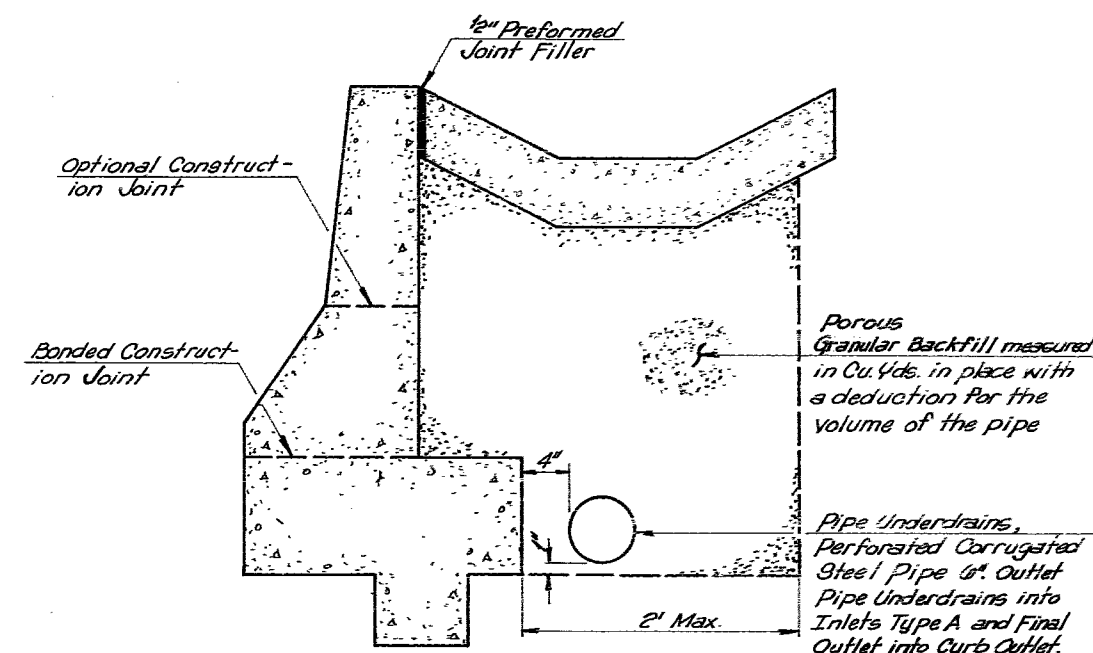
Bar	No.	Size	Length
a1	510	#4	1'-9"
a2	278	#4	2'-6"
a3	972	#4	3'-3"
h1	396	#4	3'-6"
V1	510	#4	3'-9"
V2	278	#4	4'-9"
V3	972	#4	5'-9"
Reinforcement Bars	Lbs.	17,396	
Class X Concrete	Cu. Yd.	371.5	

RETAINING WALL

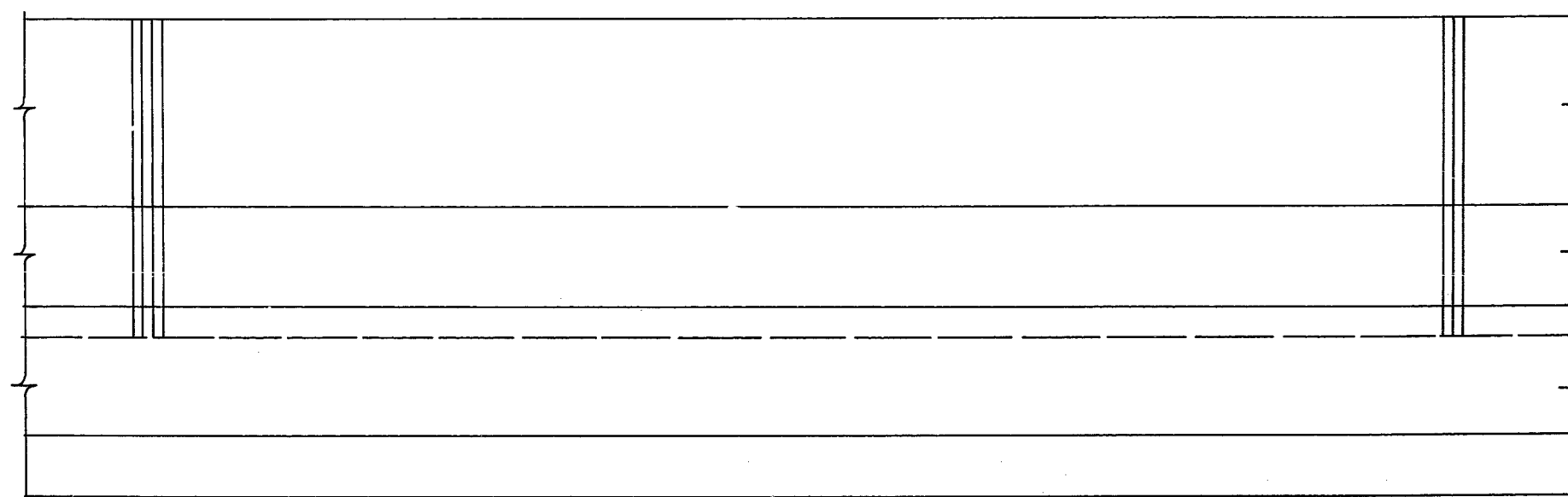


Typical Expansion Joint
(Maximum Spacing 90')

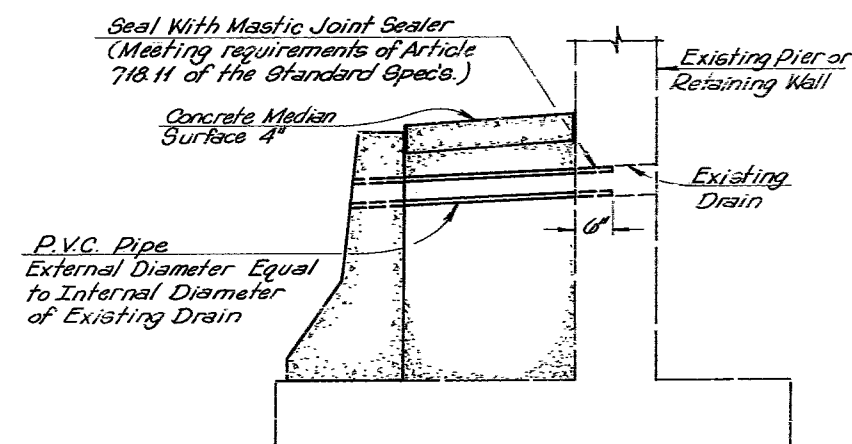
PLAN



UNDERDRAIN DETAIL



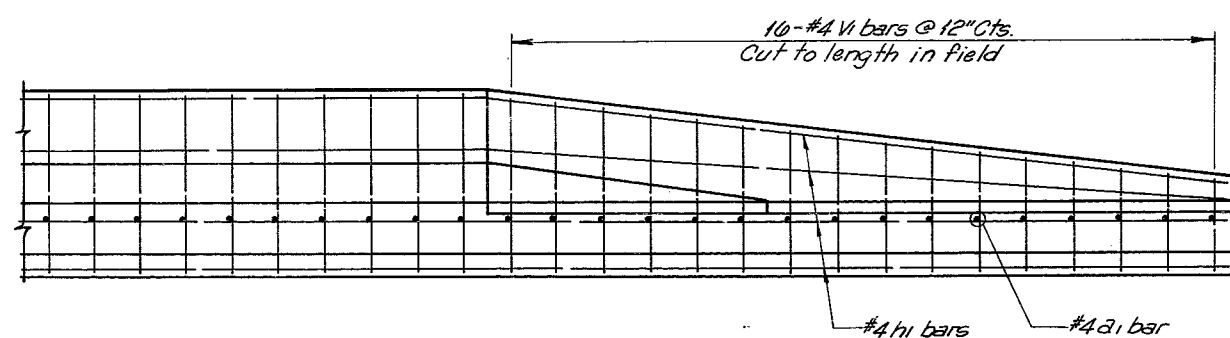
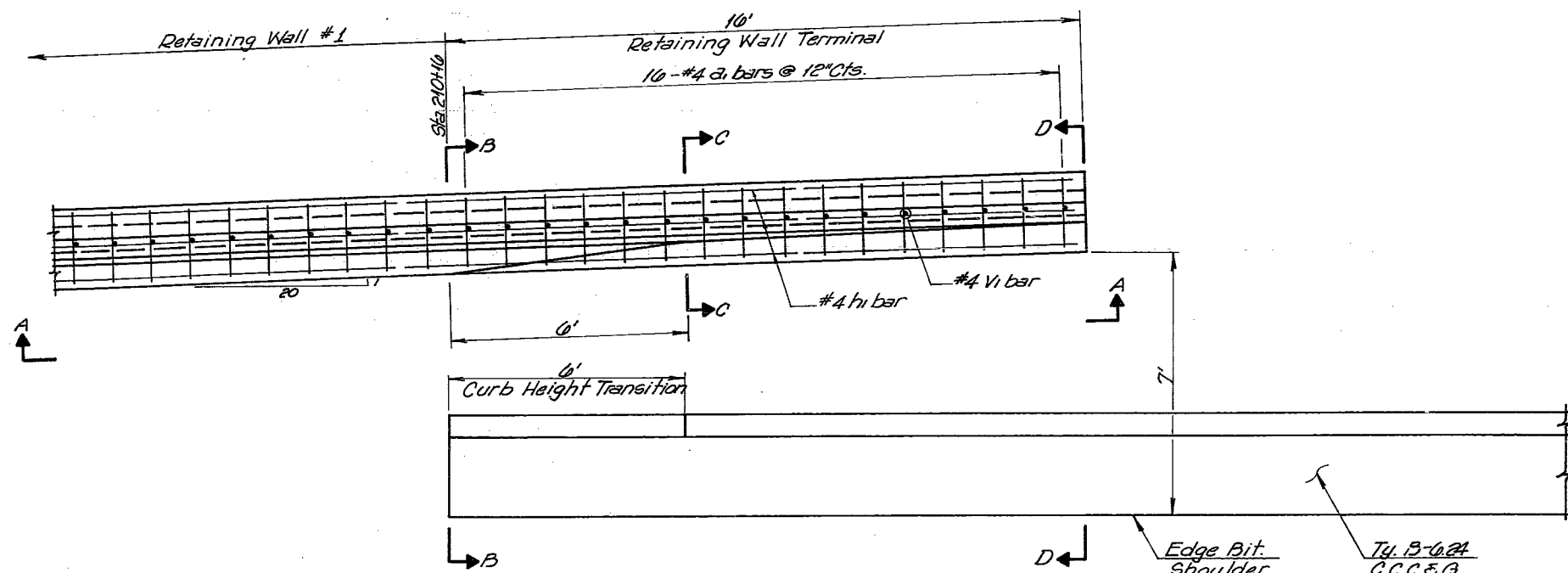
ELEVATION



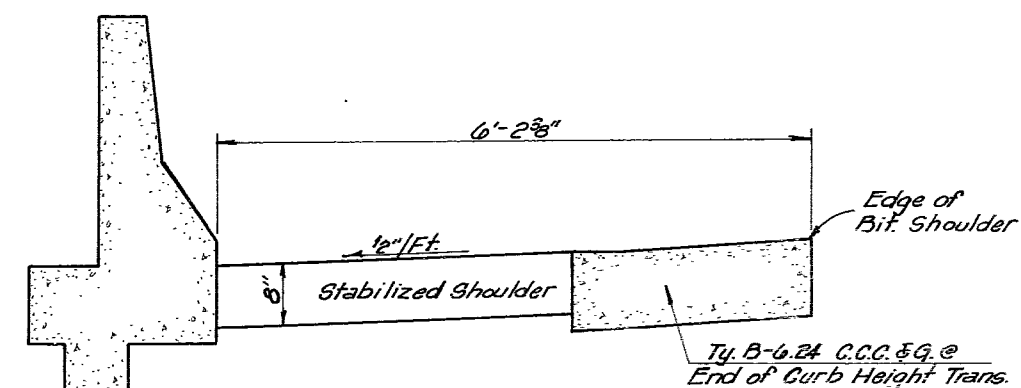
DETAIL FOR EXTENDING EXISTING WEEP HOLES
(Incidental to Class X Concrete)

NOTE: THE COST OF FURNISHING AND PLACING THE EXPANSION JOINTS AND CONSTRUCTION JOINTS WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE CLASS X CONCRETE.

RETAINING WALL
JOINTS & DRAINAGE DETAILS

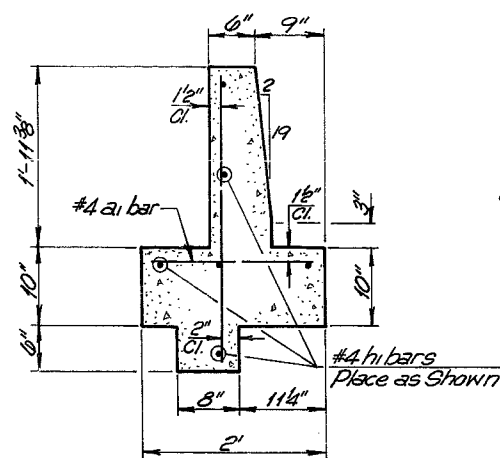


SEC. "A-A"

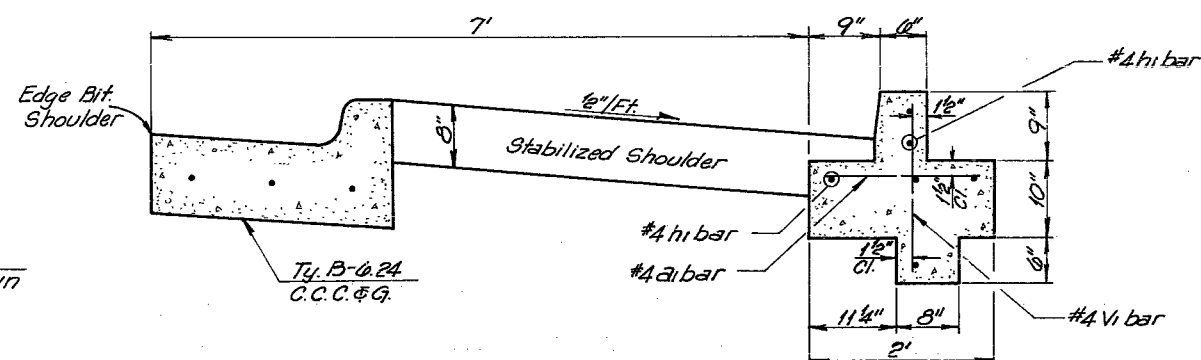


Dimensions & Re-bars
 Same as Retaining Wall #1

SEC. "B-B"



SEC. "C-C"



SEC. "D-D"

BILL OF MATERIALS

Bar	No.	Size	Length
a	10	#4	1'-9"
hi	6	#4	17'-6"
vi	10	#4	3'-9"
Reinforcement Bars			Pound 129
Class X Concrete			Cu. Yd. 18

RETAINING WALL TERMINAL
 STA. 210+00 TO STA. 210+16 RT.

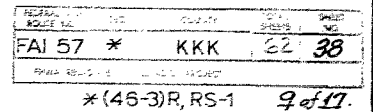
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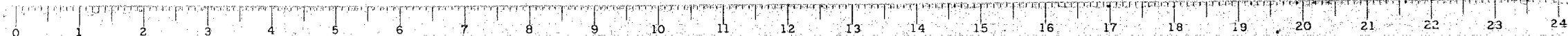
Diagram illustrating a well casing section with dimensions and labels:

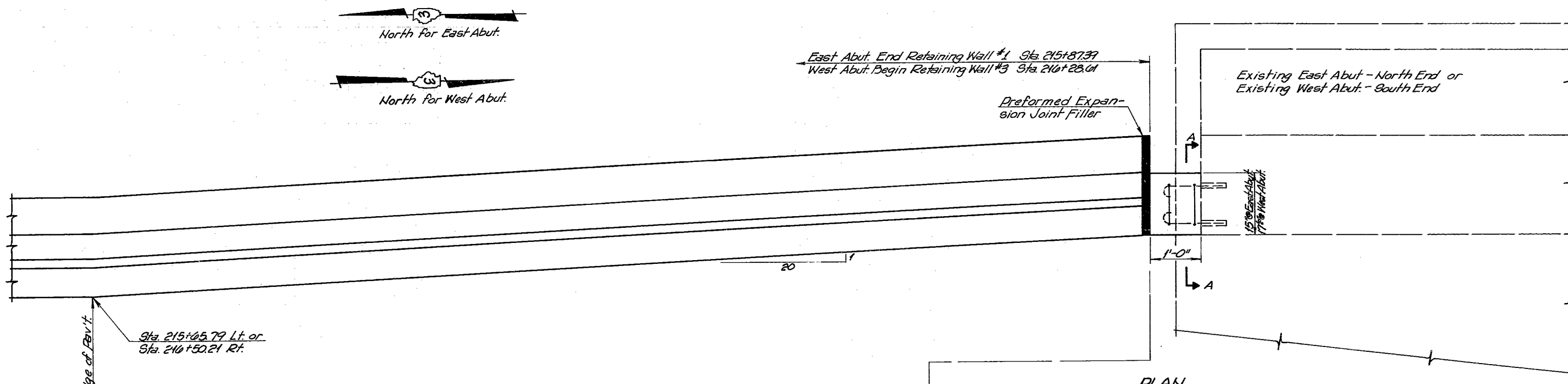
- Top section: 6" x 1'-3"
- Var. 2" to 0"
- Var. 7" to 0"
- Dimensions (from top to bottom): 2'-8", 1'-7", 10", 3"
- Label: *Edge of Bit. Shldr.*
- Bottom section: 1'-3"

THE COST OF FINISHING AND PLACING THE EXPANSION JOINTS, GROOVES, AND SAND FILL WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE CONCRETE MEDIAN SURFACE 4".

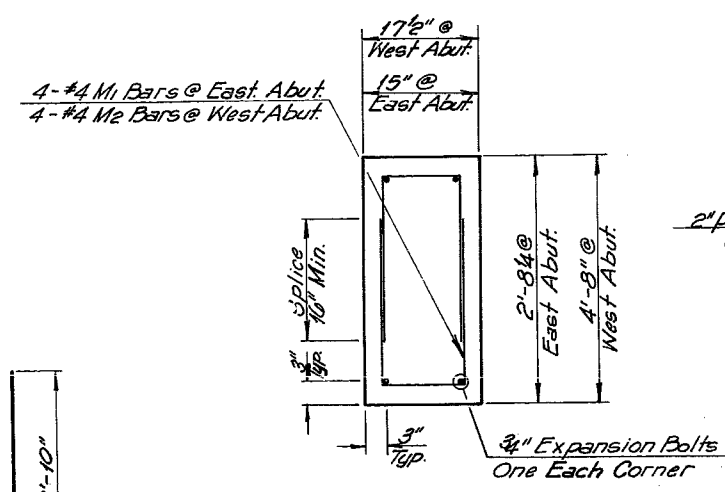
Bar	No.	Size	Length
h_1	9	#4	22'-6"
V_1	22	#4	3'-1"
V_2	22	#4	3'-4"
V_3	22	#4	3'-7"
Reinforcement Bars		lbs.	282
Class X Concrete		Cu.Ft.	10.8
3/4" Expansion Bolts		Each	36
Conc. Median Surf. 4"		Sq.Ft.	128

RETAINING WALL TERMINAL
STA. 214+63.20 To STA. 215+28.70 RT

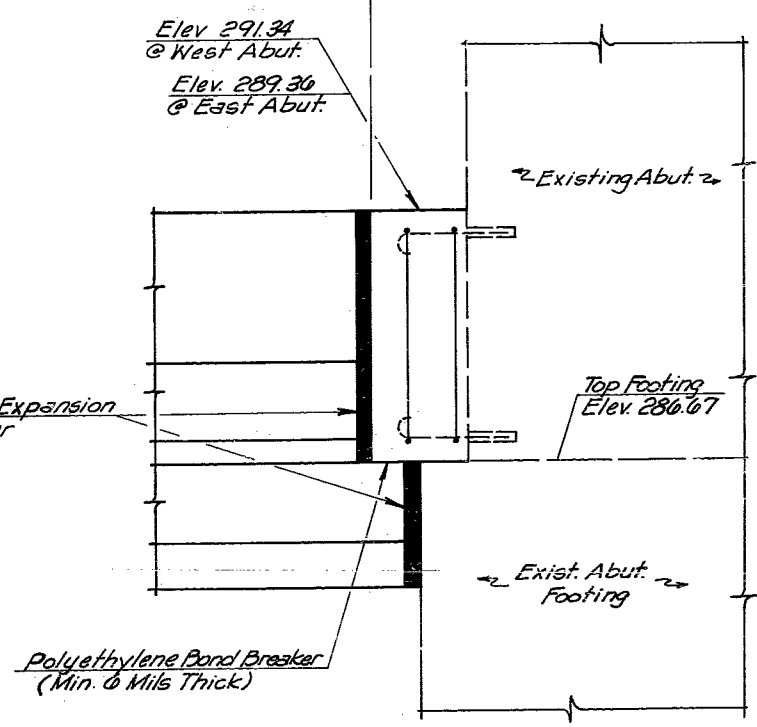




PLAN



SEC. "A-A"



ELEVATION

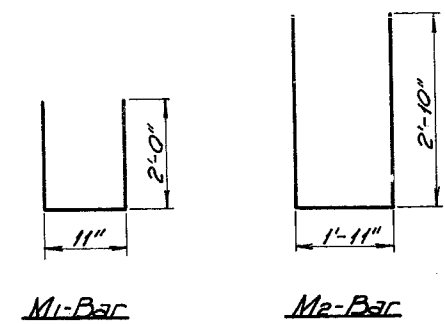
BILL of MATERIALS @ EAST ABUT

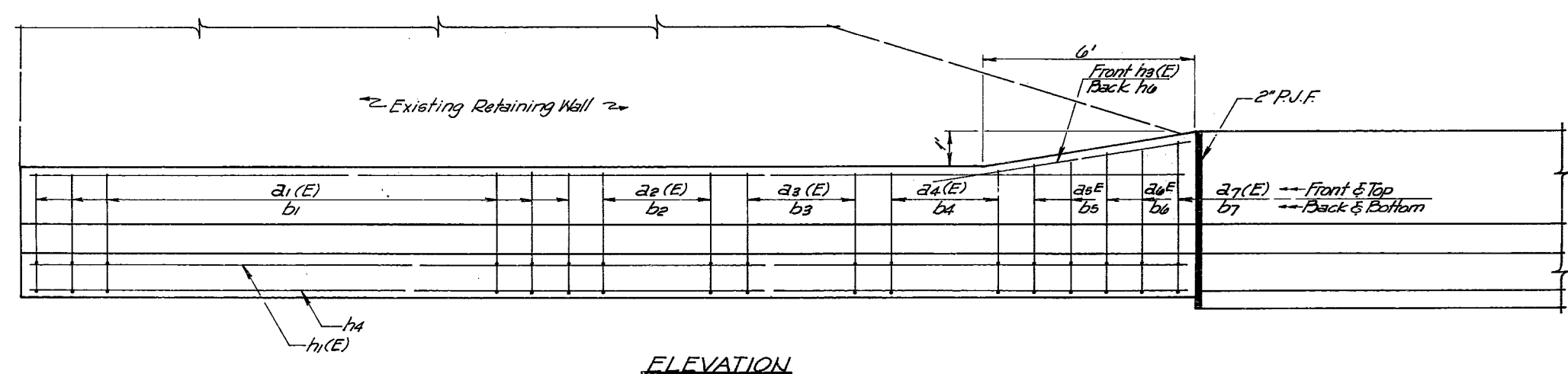
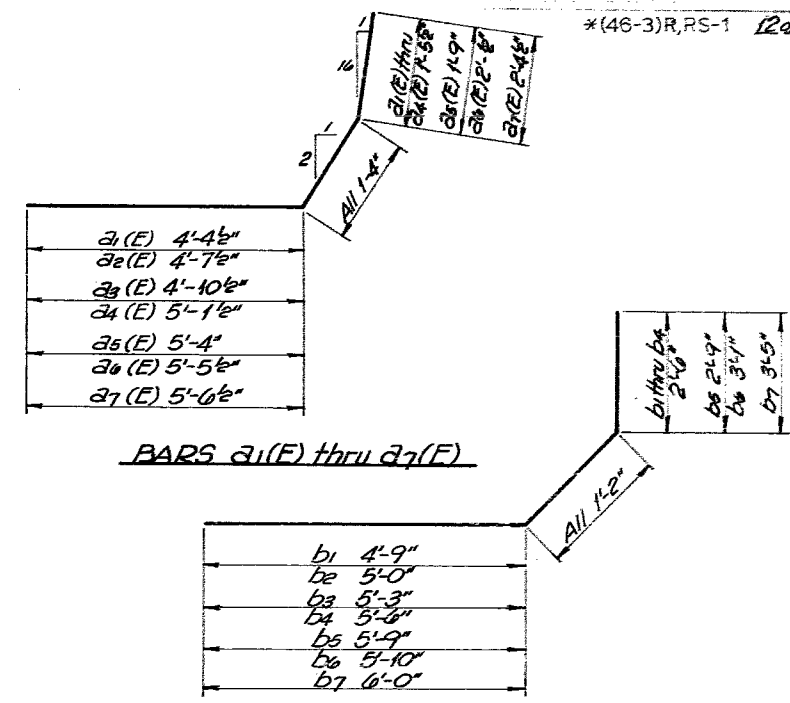
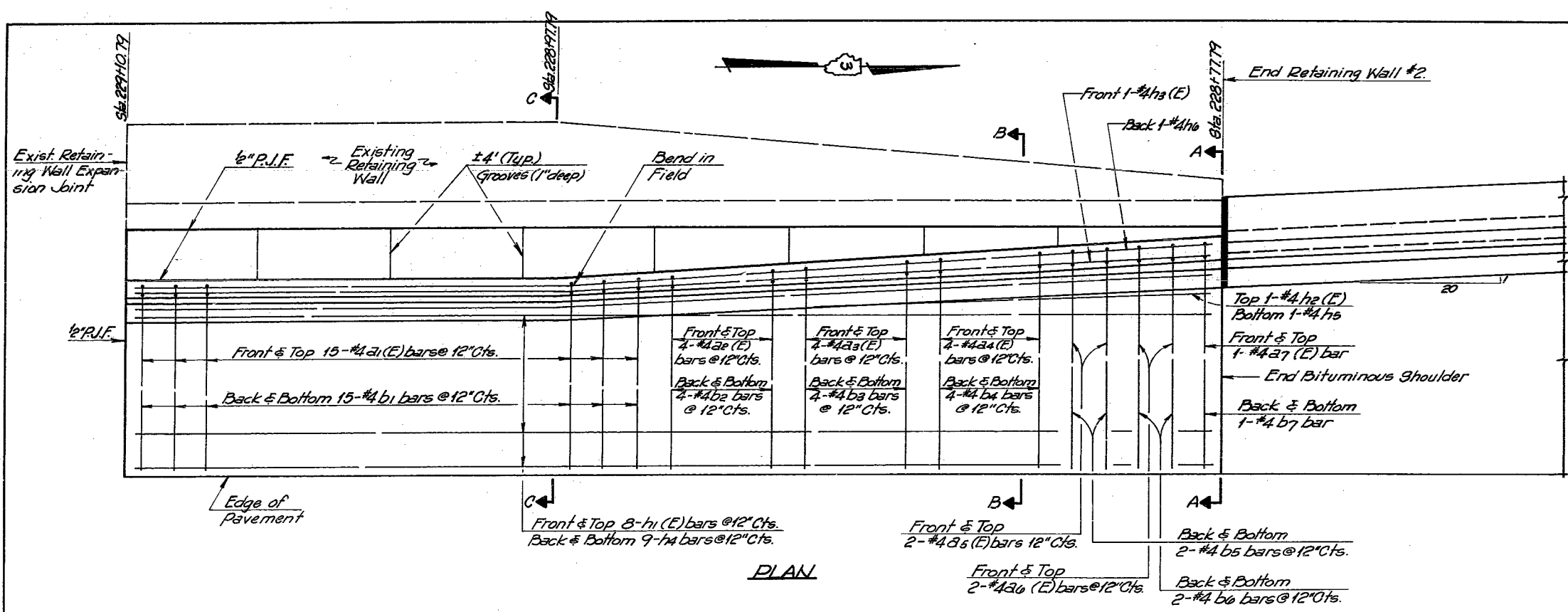
Bar	No.	Size	Length
M1	4	#4	4'-11"
Reinforcement Bars	Lbs.	13	
Class X Concrete	Cu. Yds.	0.1	
3/4" Expn. Bolts	Each	4	

BILL of MATERIALS @ WEST ABUT

Bar	No.	Size	Length
M2	4	#4	6'-9"
Reinforcement Bars	Lbs.	18	
Class X Concrete	Cu. Yds.	0.3	
3/4" Expansion Bolts	Each	4	

RETAINING WALL TERMINAL
 STA. 215+87.39 To STA. 215+88.39 LT.
 STA. 216+27.61 To STA. 216+28.61 RT.

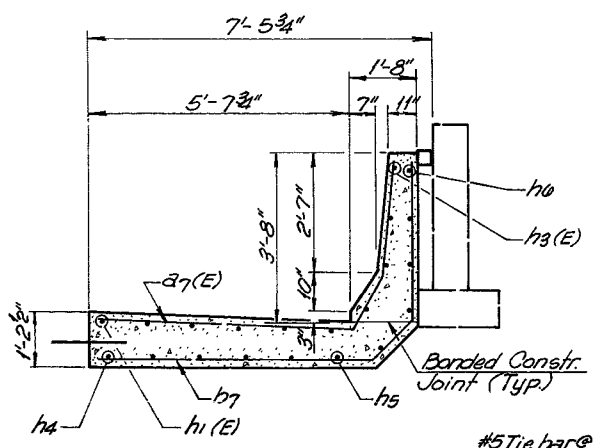




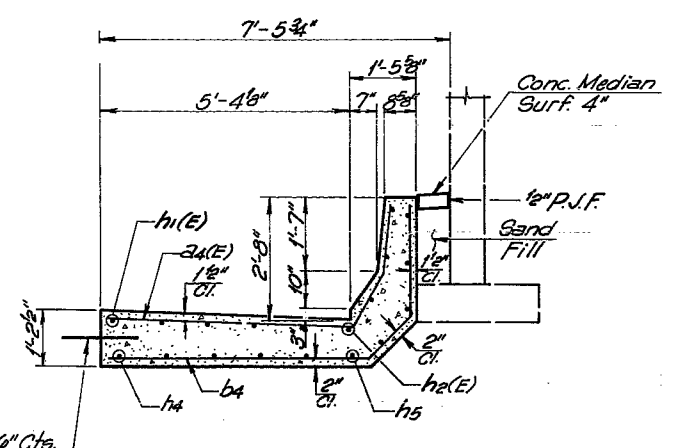
BILL OF MATERIALS

Bar	No.	Size	Length
a1(E)	15	#4	7'-2"
a2(E)	4		7'-5"
a3(E)	4		7'-8"
a4(E)	4		7'-11"
a5(E)	2		8'-5"
a6(E)	2		8'-10"
a7(E)	1		9'-3"
b1	15		8'-5"
b2	4		8'-8"
b3	4		8'-11"
b4	4		9'-2"
b5	2		9'-8"
b6	2		10'-1"
b7	1		10'-7"
h1(E)	8		32'-8"
h2(E)	1		20'-0"
h3(E)	1		8'-0"
h4	8		32'-8"
h5	1		20'-0"
h6	1	#4	8'-0"
Re-bars (Epoxy Coated)		Lbs.	356
Class X Concrete		Cu. Yd.	10.6
Reinforcement Bars		Lbs.	383
Conc. Median Surf. 4"		Sq. Ft.	39.7

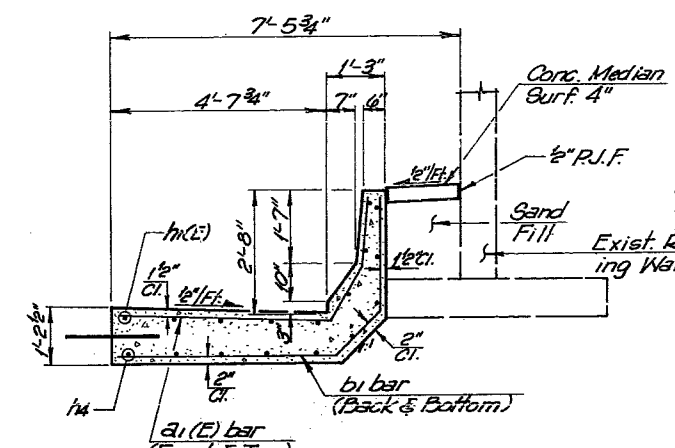
NOTE: Where the distance between the back of the proposed barrier wall and the face of the existing retaining wall is 12" or less, the void shall be filled with Class X Concrete. The filling of this void will not be paid for separately but shall be considered incidental to the Class X Concrete and reinforcement bars for the retaining wall and concrete shoulder.



SEC. "A-A"
 Sta. 228+77.79



SEC. "B-B"
 Sta. 228+83.79



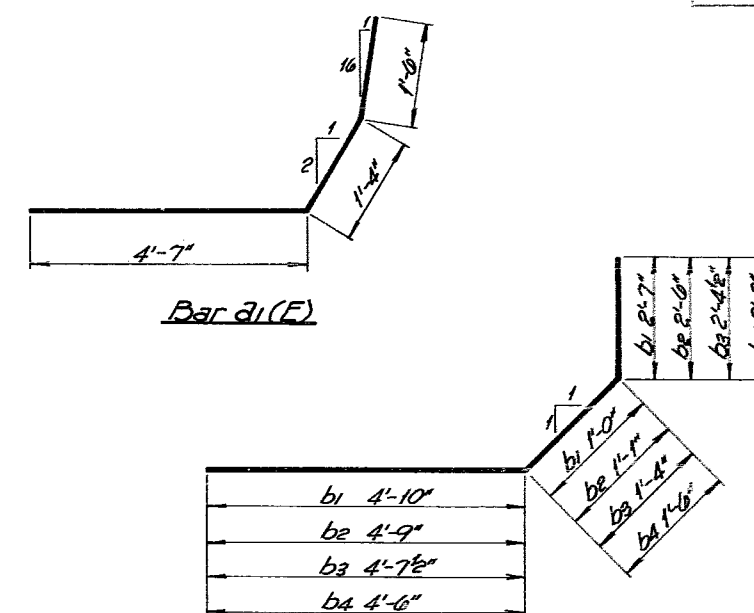
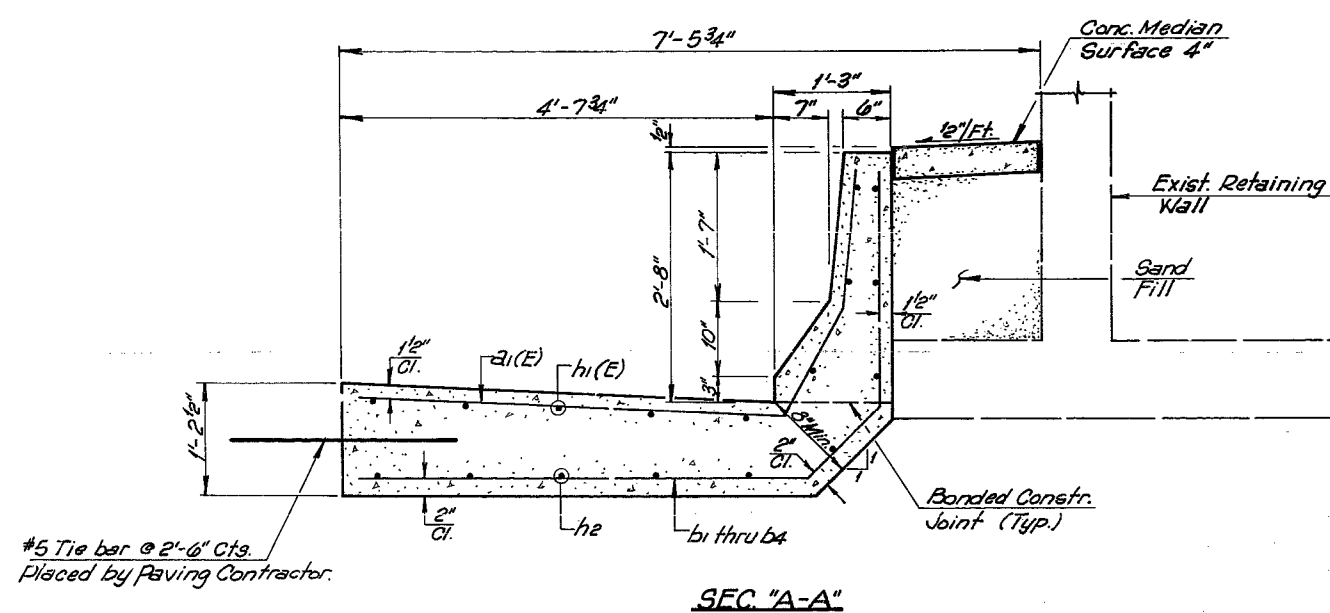
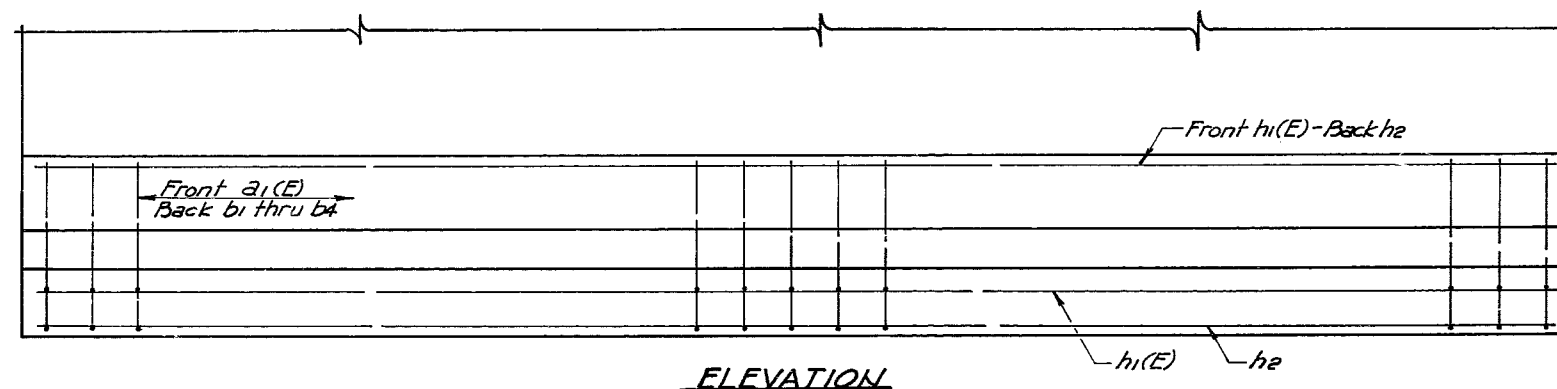
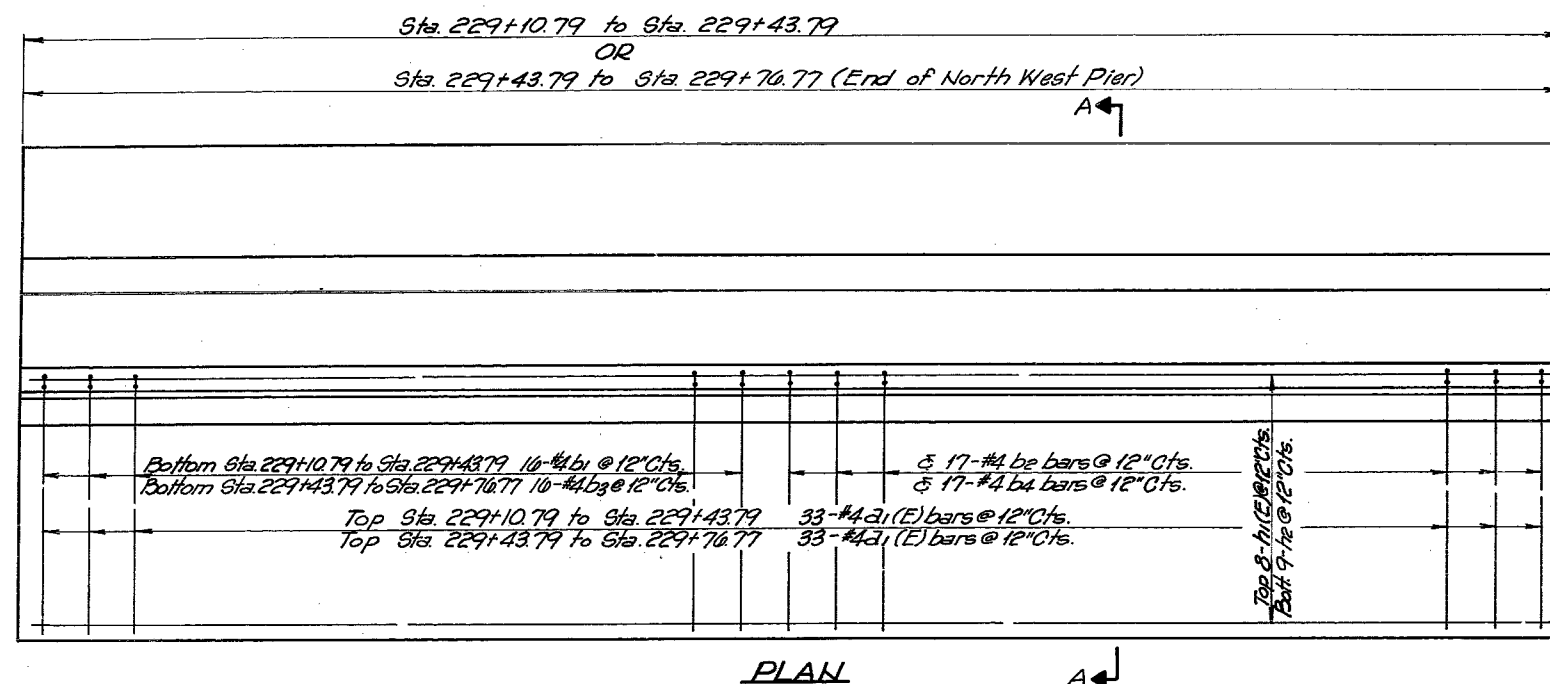
SEC. "C-C"
 Sta. 228+97.79

NOTE: SAND FILL SHALL BE SELECT MATERIAL (FA 1 OR FA 2), PLACED IN 4 INCH LAYERS, LOOSE MEASURE, AND COMPACTED TO THE SATISFACTION OF THE ENGINEER.

THE COST OF FINISHING AND PLACING THE EXPANSION JOINTS, GROOVES, AND SAND FILL WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE CONCRETE MEDIAN SURFACE 4".

RETAINING WALL & CONCRETE SHOULDER

STA. 228+77.79 To STA. 229+10.79 RT.



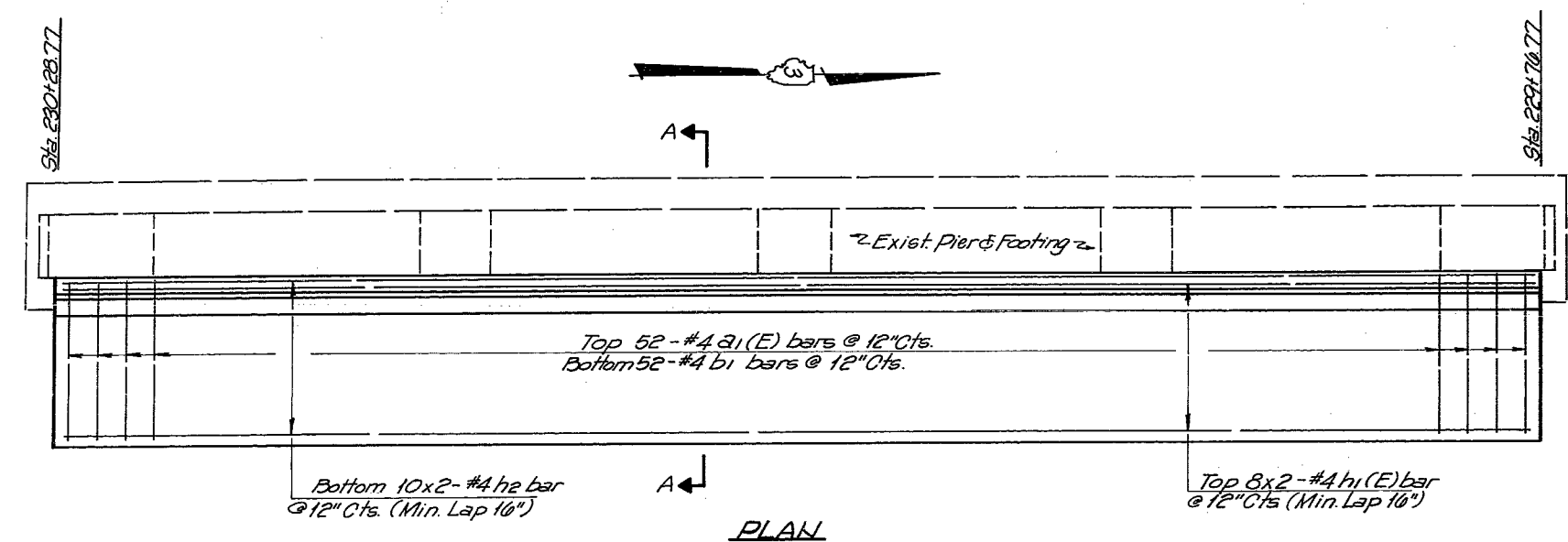
BILL OF MATERIALS

Bar	No.	Size	Length
a1(E)	66	#4	7'-5"
b1	16		8'-5"
b2	17		8'-4"
b3	16		8'-4"
b4	17		8'-3"
h1(E)	16		32'-8"
h2	18	#4	32'-8"
Re-bars (Epoxy Coated)	Lbs.	676	
Class X Concrete	Cu. Yds.	19.5	
Reinforcement Bars	Lbs.	760	
Conc. Median Surf. 4"	Sq. Ft.	104.5	

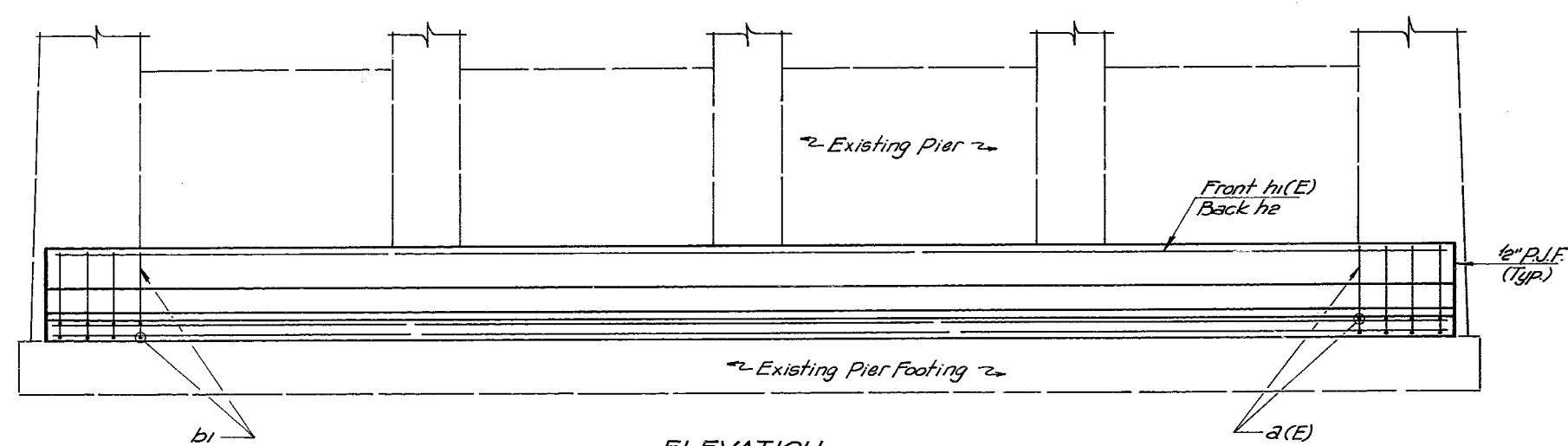
NOTE: SAND FILL SHALL BE SELECT MATERIAL (FA 1 OR FA 2), PLACED IN 4 INCH LAYERS, LOOSE MEASURE, AND COMPACTED TO THE SATISFACTION OF THE ENGINEER.

THE COST OF FINISHING AND PLACING THE EXPANSION JOINTS, GROOVES, AND SAND FILL WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE CONCRETE MEDIAN SURFACE 4".

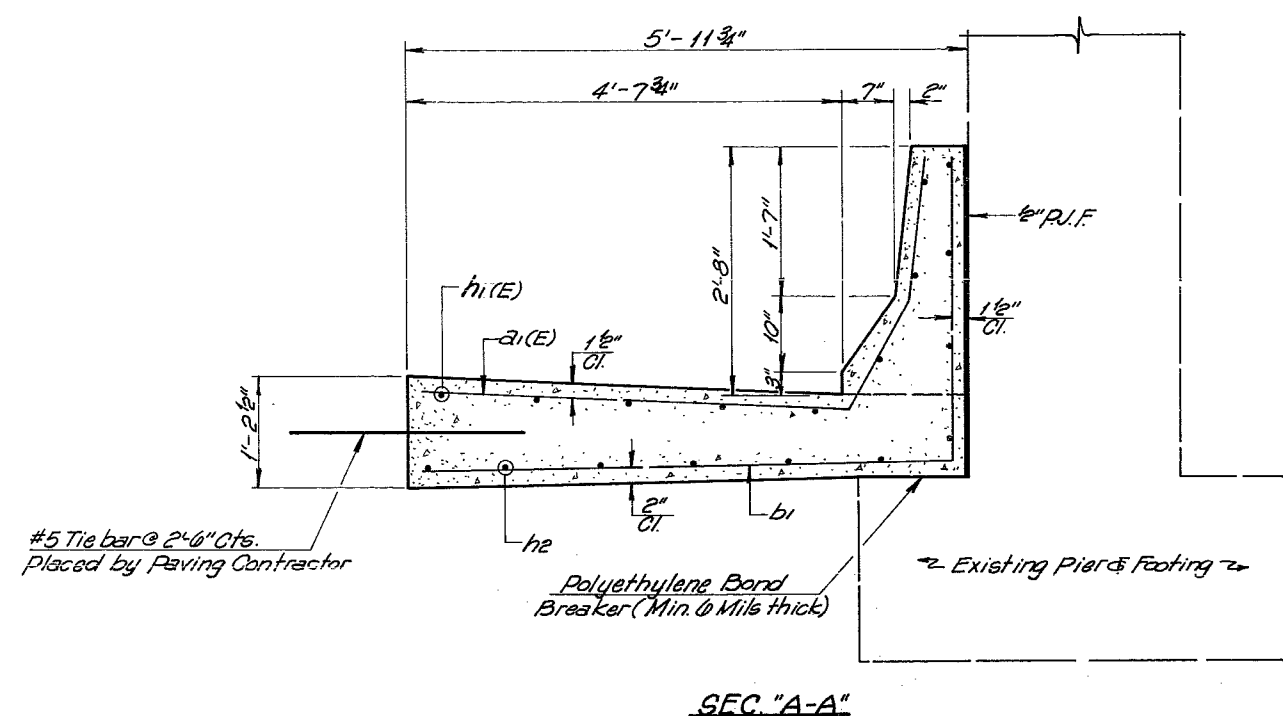
RETAINING WALL & CONCRETE SHOULDER
STA. 229+10.79 TO STA. 229+76.77 RT.



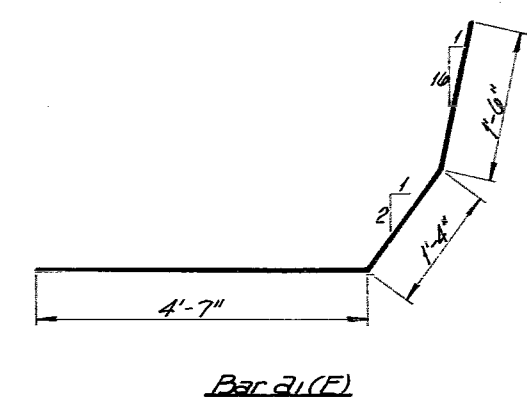
PLAN



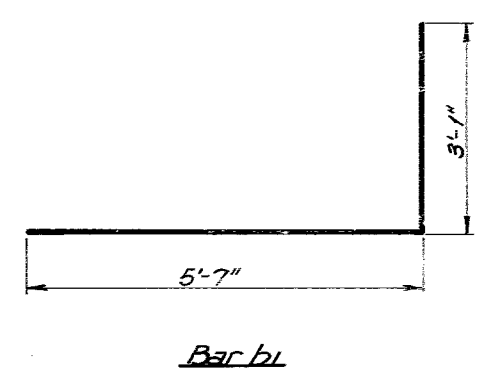
ELEVATION



SEC. "A-A"



Bar a1(E)

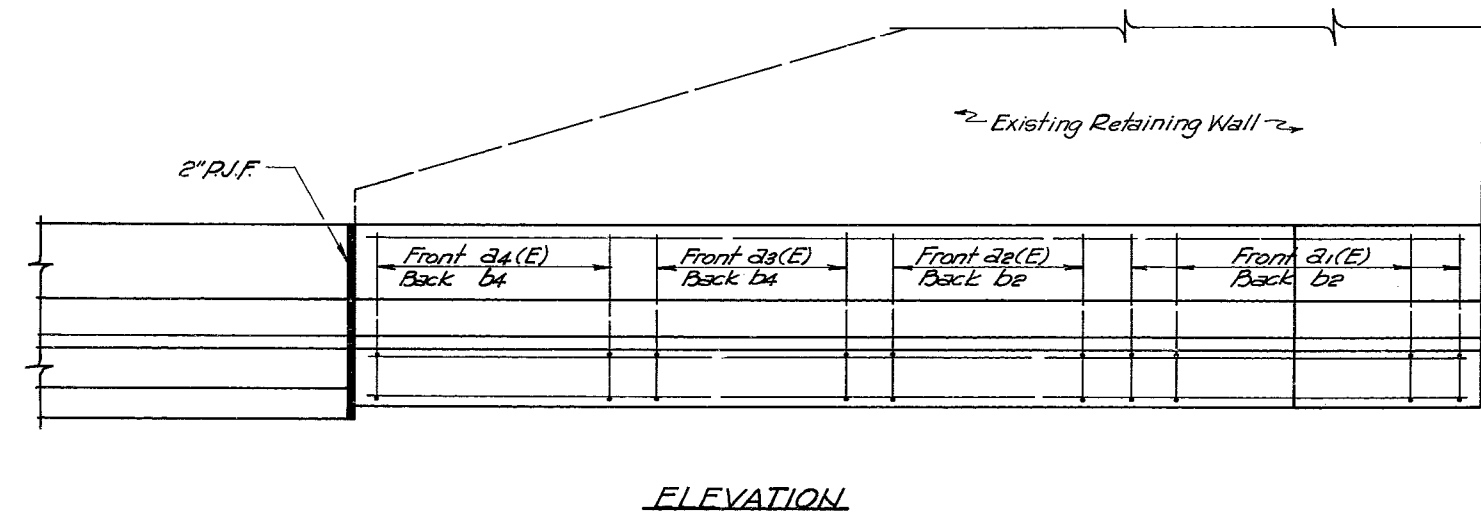
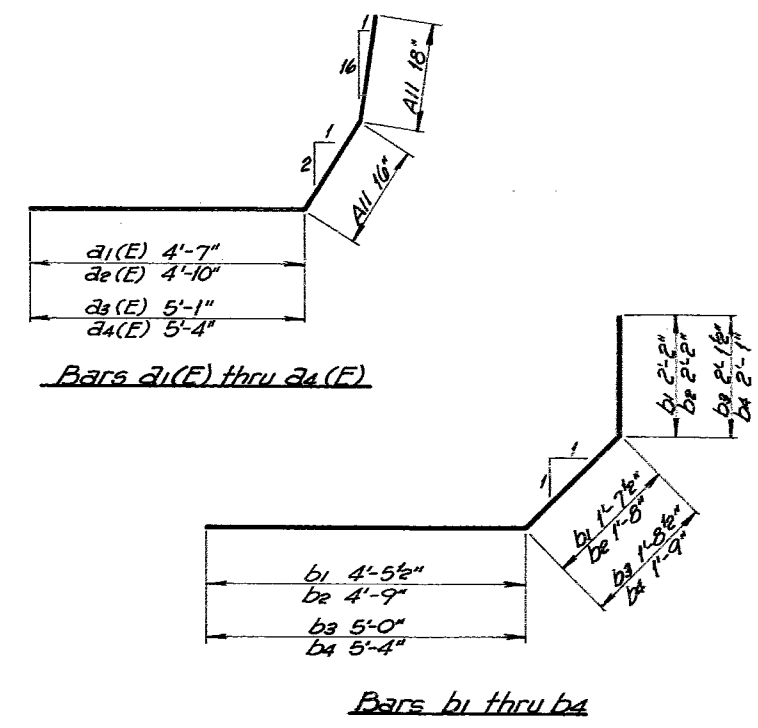
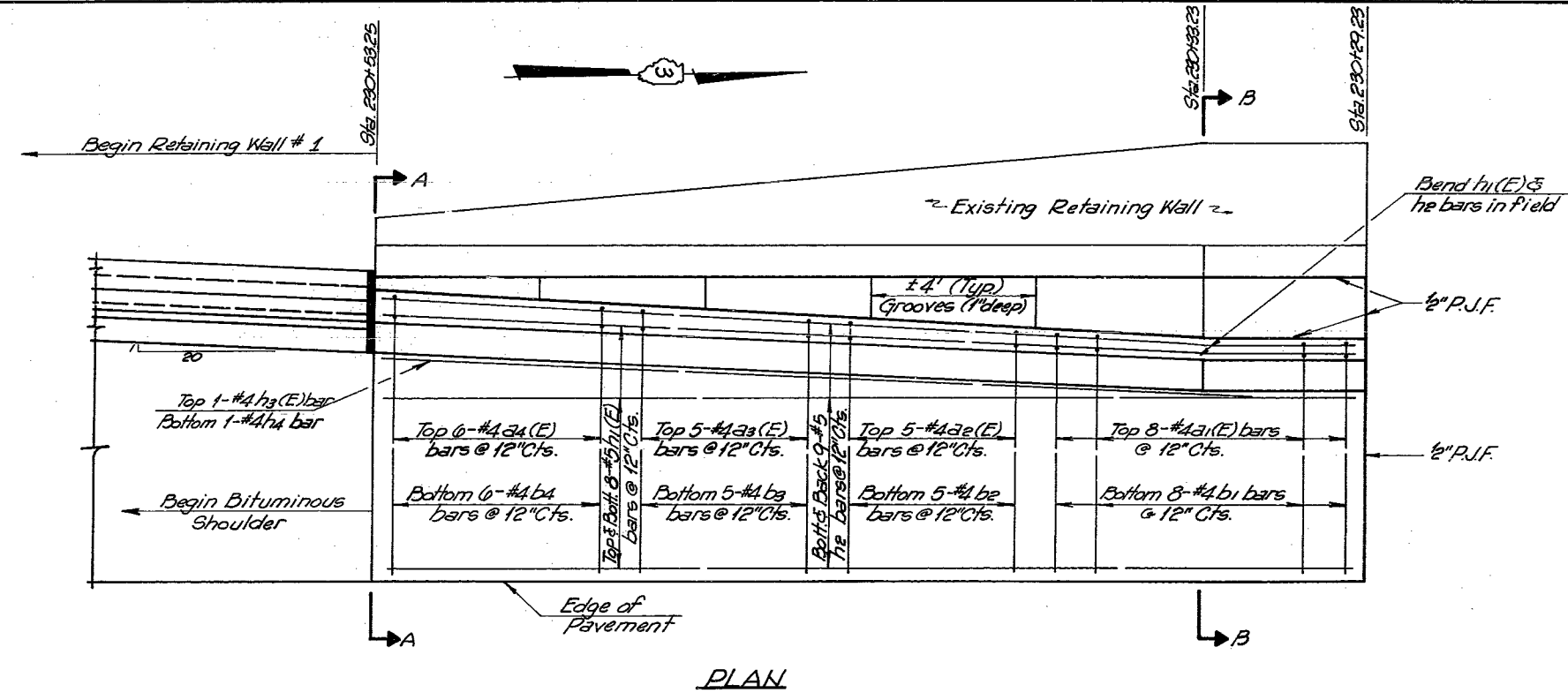


Bar b1

BILL OF MATERIALS

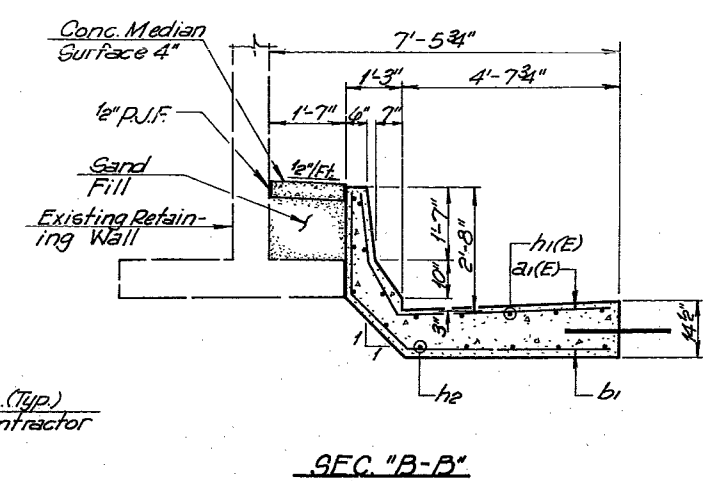
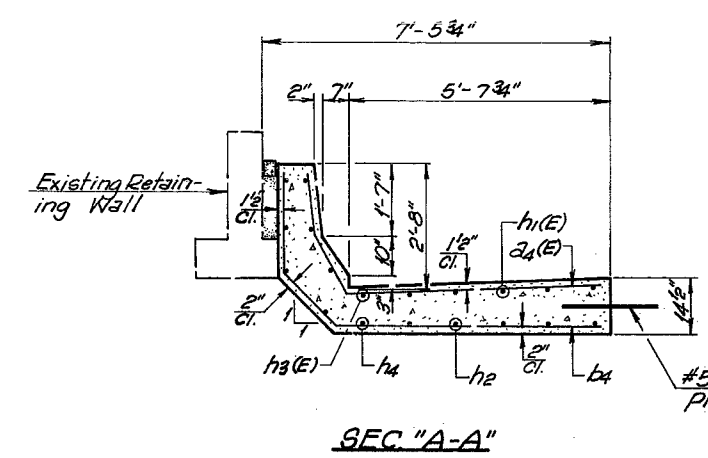
Bar	No.	Size	Length
a1(E)	52	#4	7'-5"
b1	52	#4	8'-8"
h1(E)	10	#4	27'-0"
h2	20	#4	27'-0"
Re bars (Epoxy Coated)	Lbs.	546	
Class X Concrete	Cu yds.	15.8	
Reinforcement Bars	Lbs.	602	

RETAINING WALL & CONCRETE SHOULDER
STA. 229+76.77 To STA. 230+28.77 RT.



BILL OF MATERIALS

Bar	No	Size	Length
a1(E)	8	#4	7'-5"
a2(E)	5		7'-8"
a3(E)	5		7'-11"
a4(E)	6		8'-2"
b1	8		8'-3"
b2	5		8'-7"
b3	5		8'-10"
b4	6		9'-2"
h1(E)	8		23'-8"
h2	9		23'-8"
h3(E)	1		20'-0"
h4	1	#4	20'-0"
Re-bars (Epoxy Coated)			
			Lbs. 264
Class X Concrete			Cu. Yds. 7.5
Reinforcement Bars			Lbs. 295
Conc. Median Surf. 4"			Sq. Ft. 255

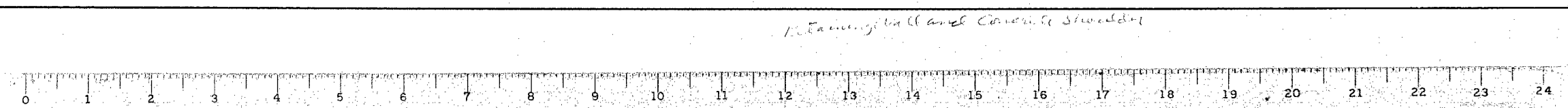


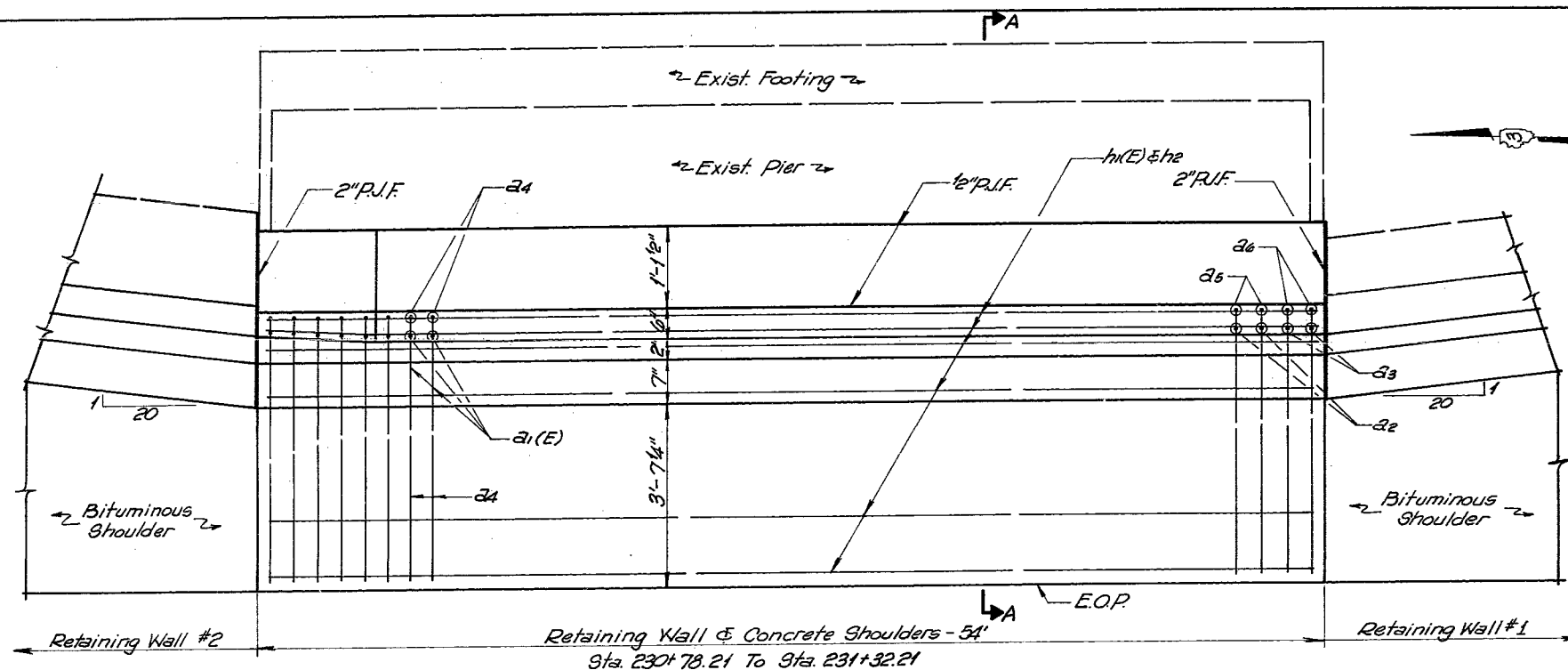
NOTE: SAND FILL SHALL BE SELECT MATERIAL (FA 1 OR FA 2), PLACED IN 4 INCH LAYERS, LOOSE MEASURE, AND COMPACTED TO THE SATISFACTION OF THE ENGINEER.

THE COST OF FINISHING AND PLACING THE EXPANSION JOINTS, GROOVES, AND SAND FILL WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE CONCRETE MEDIAN SURFACE 4".

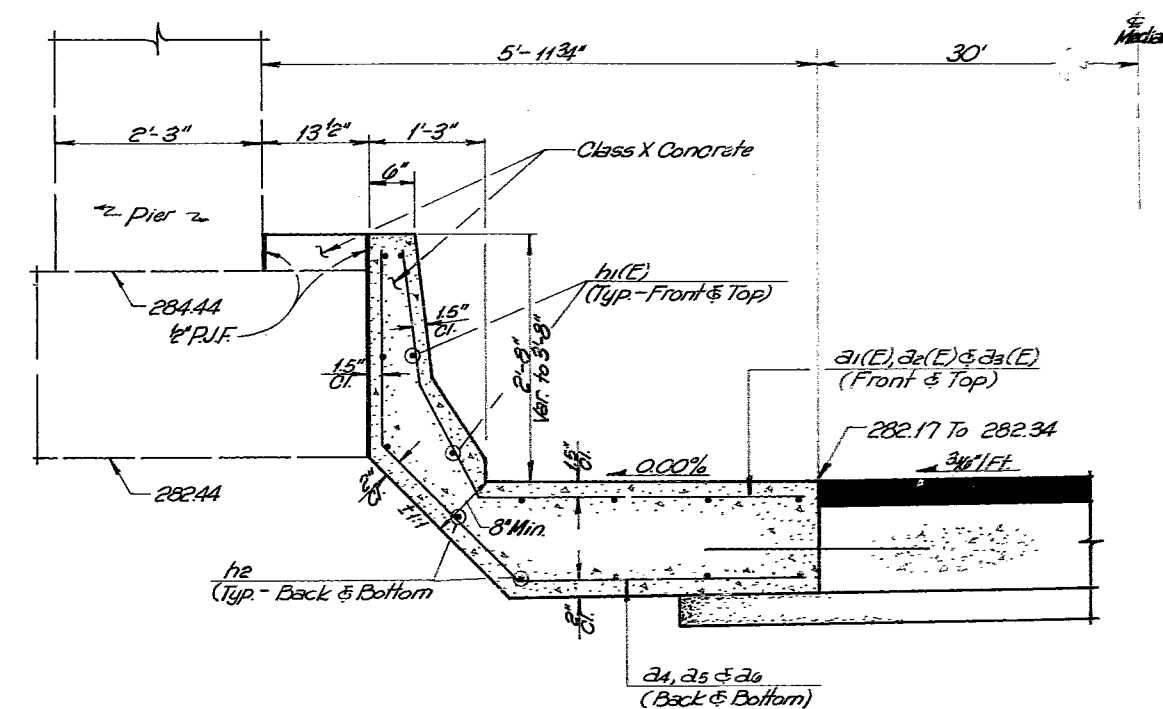
Where the distance between the back of the proposed barrier wall and the face of the existing retaining wall is 12" or less, the void shall be filled with Class X Concrete. The filling of this void with Class X Concrete will not be paid for separately but shall be considered incidental to Class X Concrete and reinforcement bars for the retaining wall and concrete shoulder.

RETAINING WALL AND CONCRETE SHOULDER
STA. 230+29.23 To STA. 230+53.23 RT.

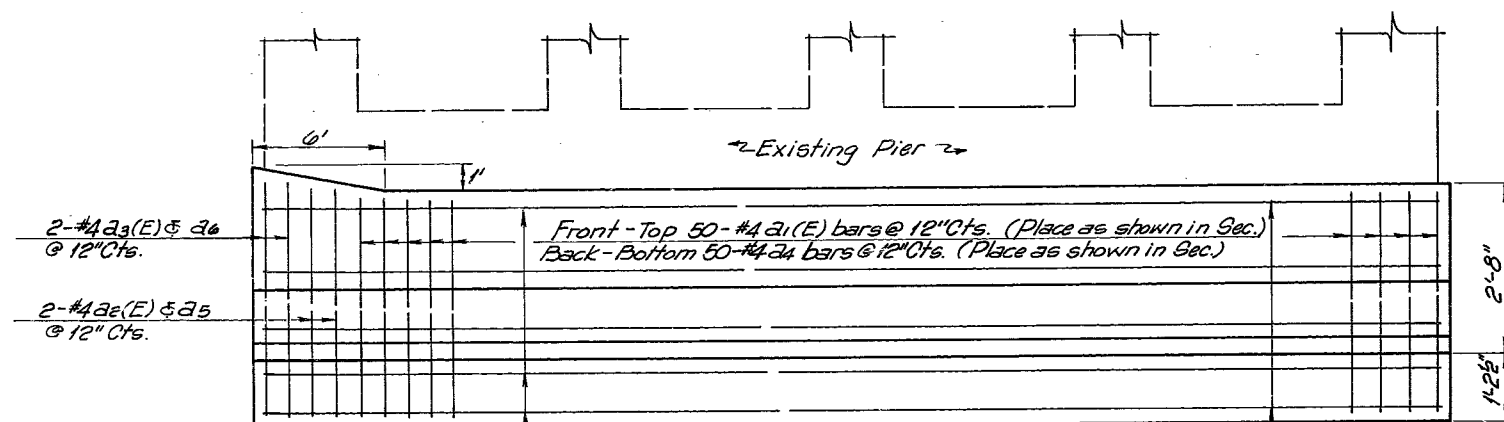




PLAN



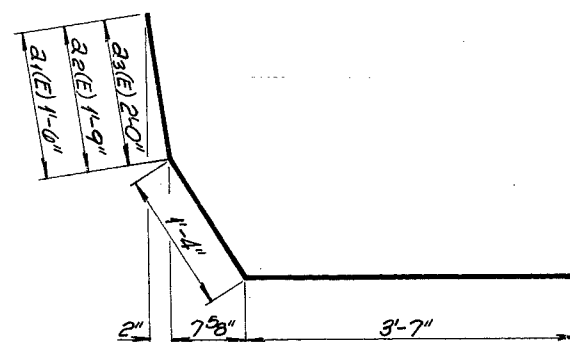
SEC. A-A



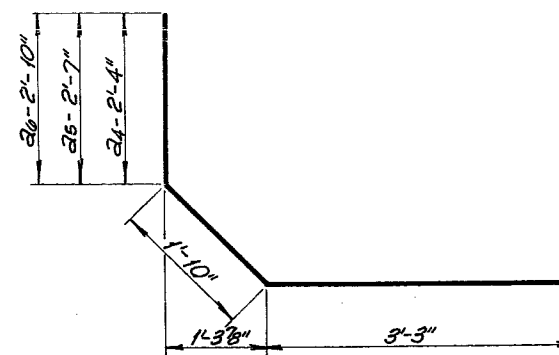
ELEVATION

Front - Top 7x2-#4 h1(E) bar
 Place as shown in section.
 16" Min. Lap.

Back - Bottom 8x2-#4 h2 bar
 Place as shown in section.
 16" Min. Lap.



Bar a1(E), a2(E) & a3(E)

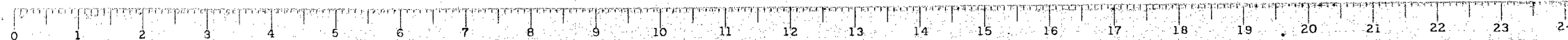


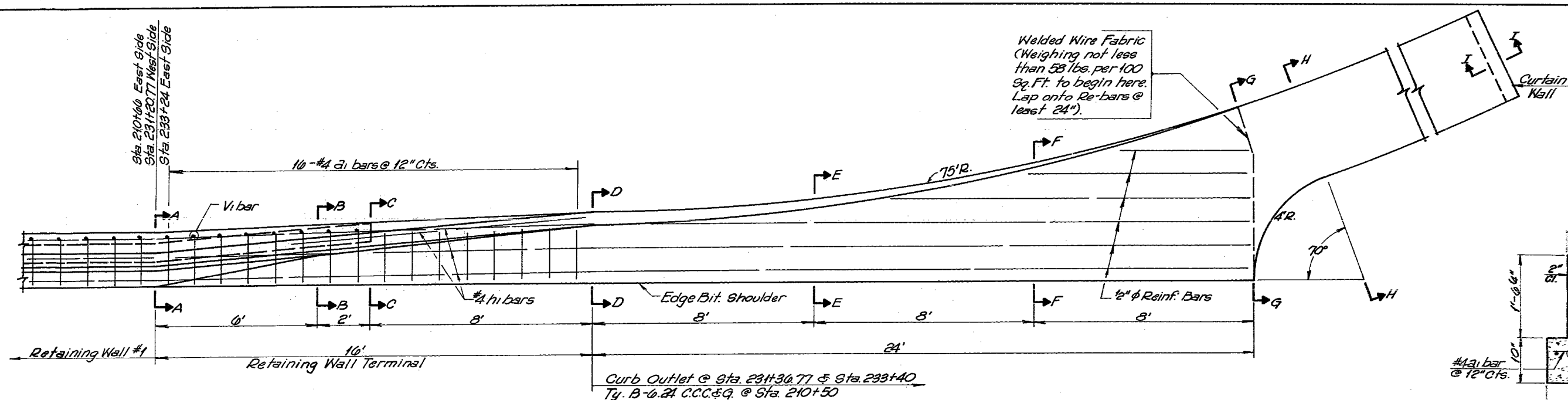
Bar a4, a5 & a6

BILL OF MATERIALS

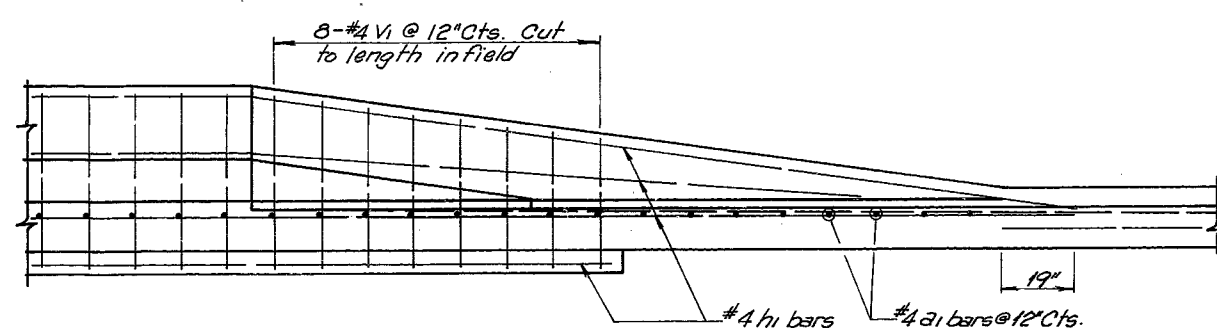
Bar	No.	Size	Length
a1(E)	50	#4	6'-5"
a2(E)	2	#4	6'-8"
a3(E)	2	#4	6'-11"
a4	50	#4	7'-5"
a5	2	#4	7'-8"
a6	2	#4	7'-11"
h1(E)	14	#4	28'-3"
h2	10	#4	28'-3"
Re-bars (Epoxy Coated)			Lbs. 497
Class X Concrete			Cu. Yd. 13.8
Reinforcement Bars			Lbs. 570

RETAINING WALL & CONCRETE SHOULDERS
 STA. 230+78.21 To STA. 231+32.21 LT.

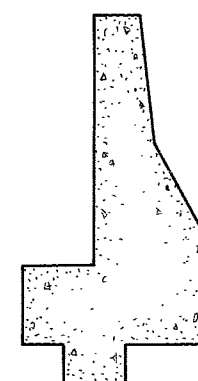




PLAN

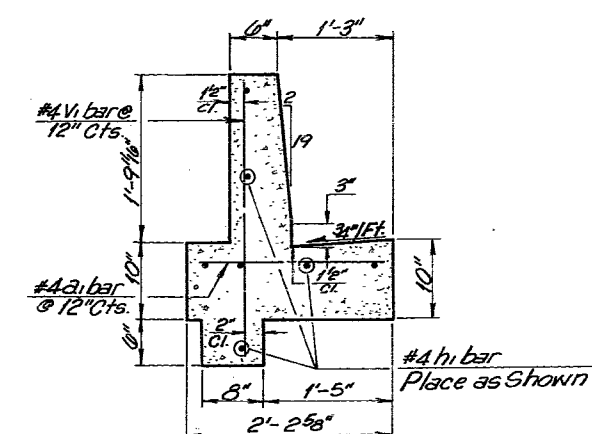


ELEVATION



SEC. "A-A"

Dimensions & Re-bars Same as Retaining Wall #1.



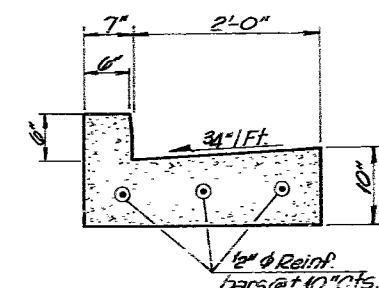
SEC. "B-B"

GENERAL NOTES

Curb Outlet:
 Class X Concrete shall be used throughout.
 The gutter outlet shall be paid for at the contract unit price per cubic yard for Class X Concrete (Outlet) which price shall include the cost of furnishing and placing the reinf. bars and welded wire fabric in accordance with the Standard Specifications and the details shown.

Curb Outlet Quantities:
 Section "D-D" to "H-H" & Curtain Wall: 3.1 Cu. Yds. Class X Concrete.
 Section "H-H" = 0.068 Cu. Yds. per lineal foot.

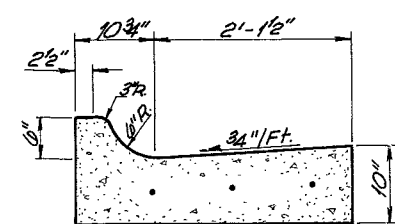
Retaining Wall Terminal:
 Exposed edges shall be beveled 3/4".
 Class X Concrete shall be used throughout.
 Reinforcement Bars shall conform to the requirements of A.A.S.H.T.O. M-31 or M-53, Grade 60.



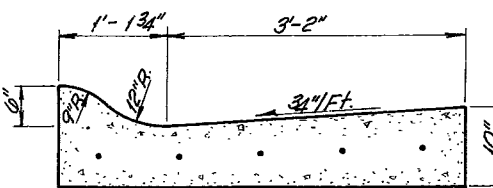
SEC. "C-C"

BILL OF MATERIALS FOR ONE TERMINAL

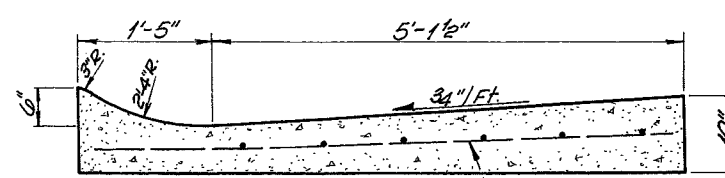
Bar	No.	Size	Length
a1	16	#4	1'-9"
h1	0	#4	17'-6"
h1	1	#4	9'-6"
v1	8	#4	3'-9"
Reinforcement Bars			Round
Class X Concrete			Cu. Yd.
			115
			1.8



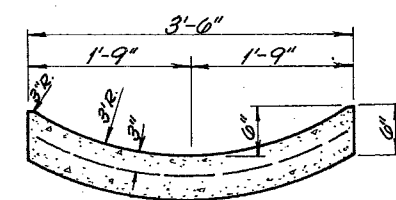
SEC. "E-E"



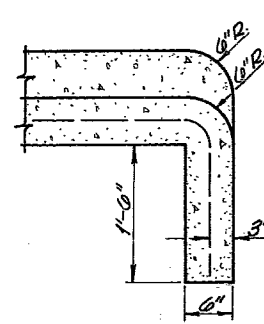
SEC. "F-F"



SEC. "G-G"



SEC. "H-H"

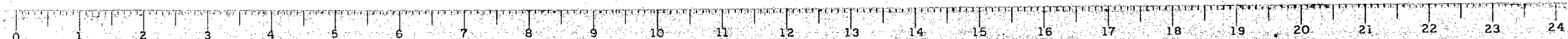


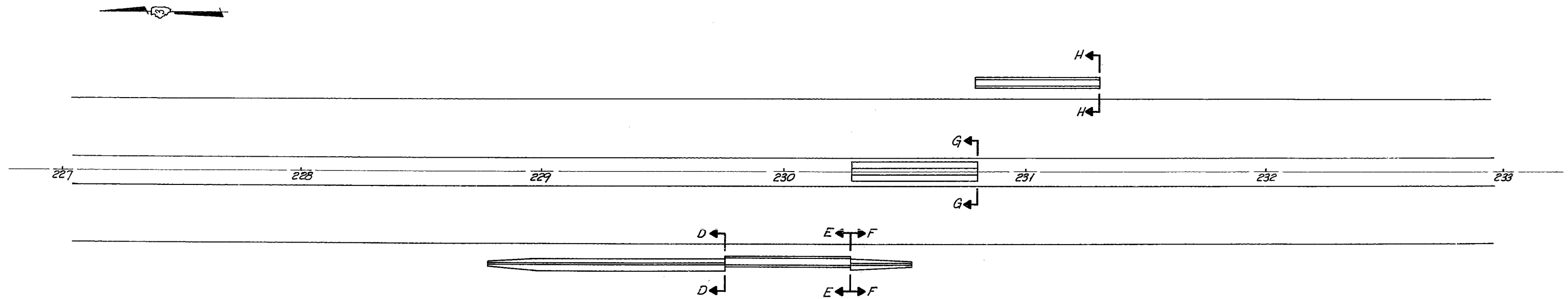
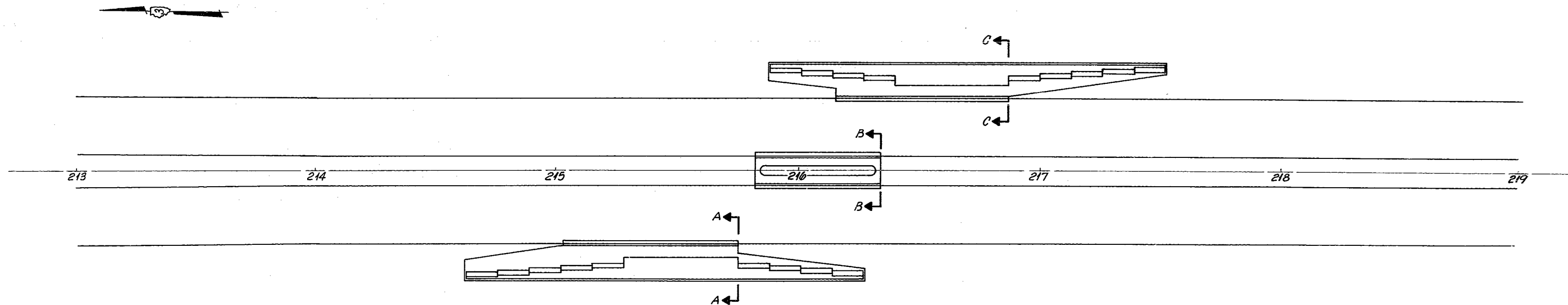
SEC. "I-I"

Welded Wire Fabric (Weighing not less than 58 lbs. per 100 Sq. Ft. to begin here. Lap onto Re-bars at least 24").

RETAINING WALL TERMINAL & CURB OUTLET

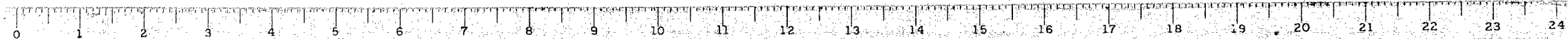
STA. 210+50 TO STA. 210+66 LT.
 STA. 231+20.77 TO STA. 231+36.77 RT.
 STA. 233+24 TO STA. 233+40 LT.

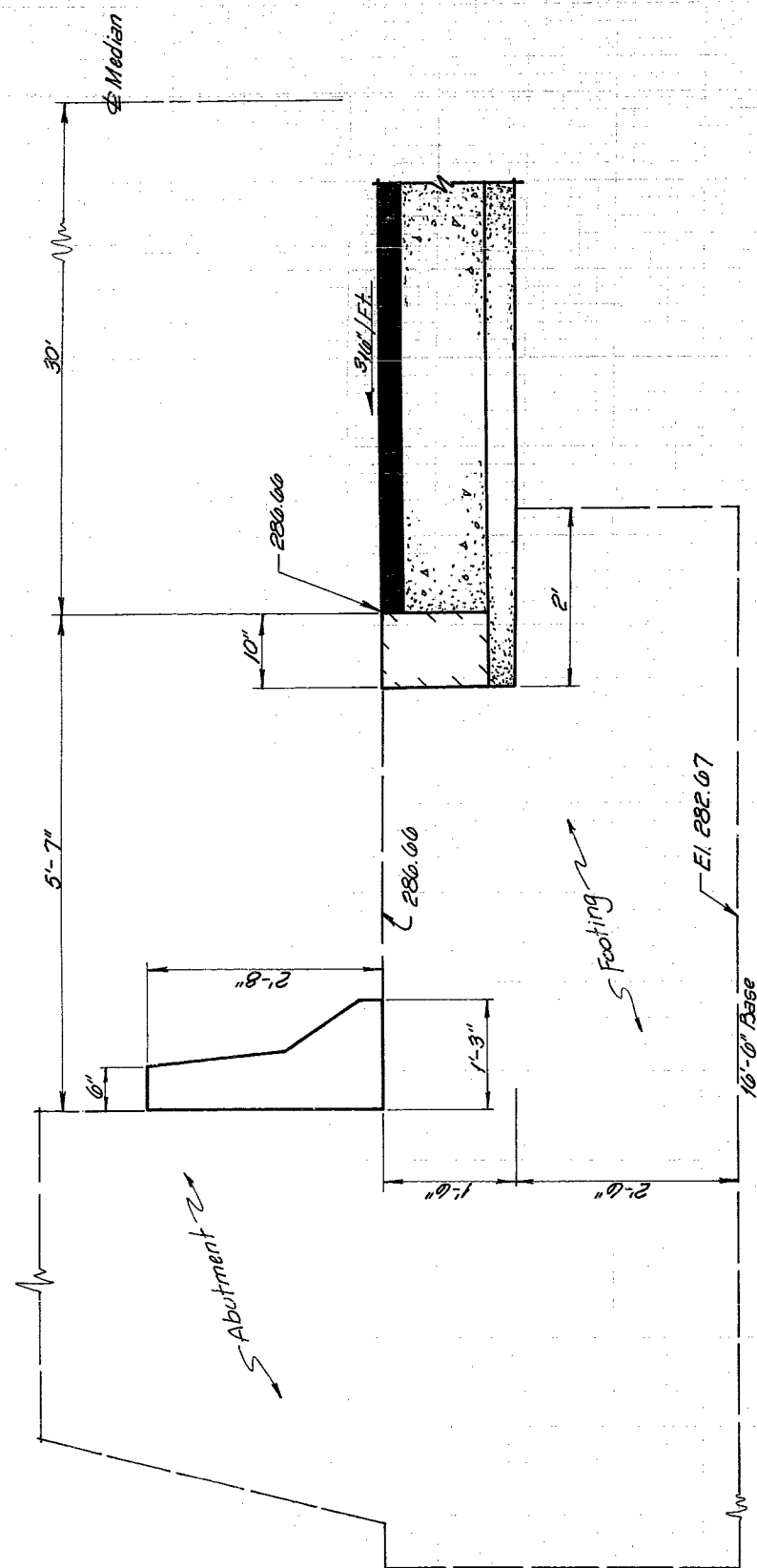




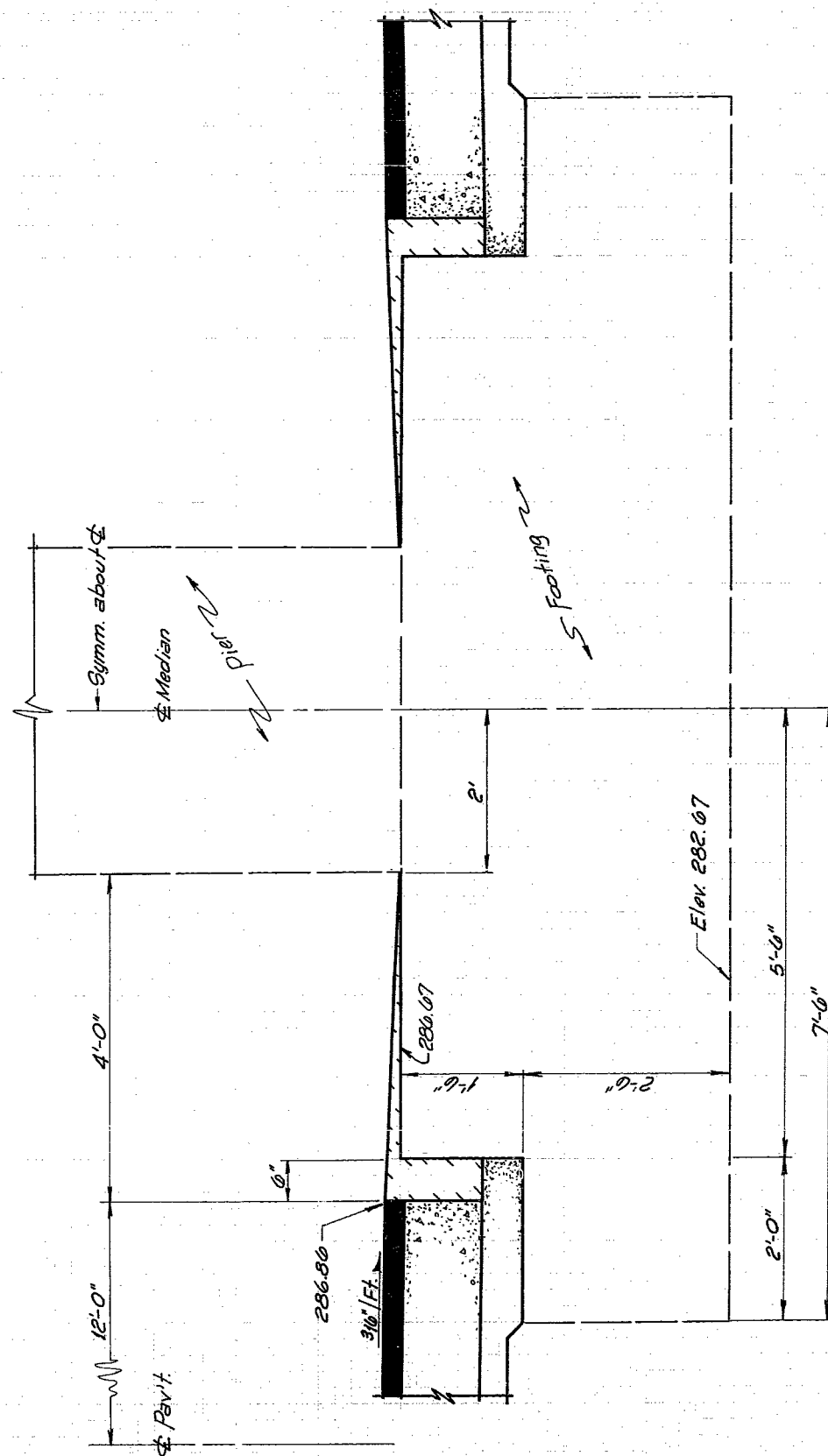
PLAN VIEW
OF SECTION LOCATIONS

SPECIAL DETAILS (INFORMATION ONLY)

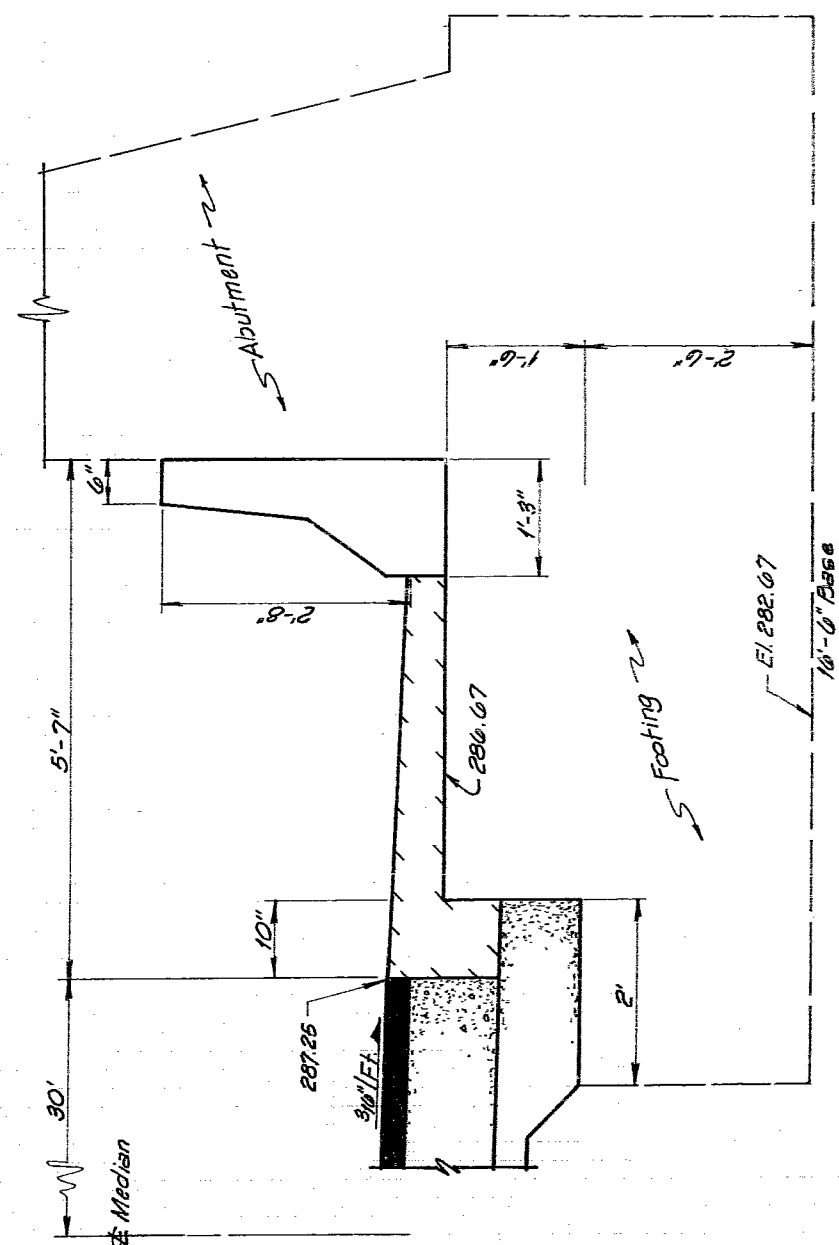




Sta. 210+87.30 LT.
East Abutment
- Scale: 1" = 1' -



Sta. 216+34.00
Pier
- Scale: 1"=1'-

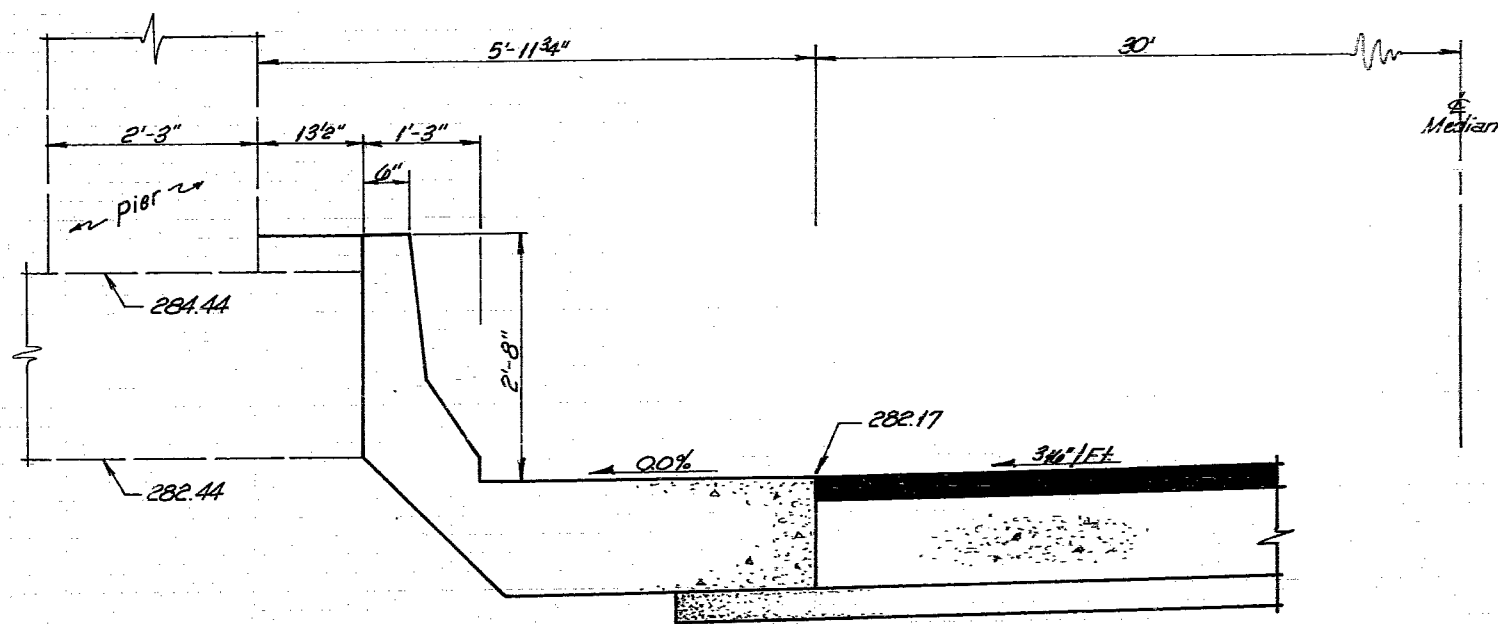
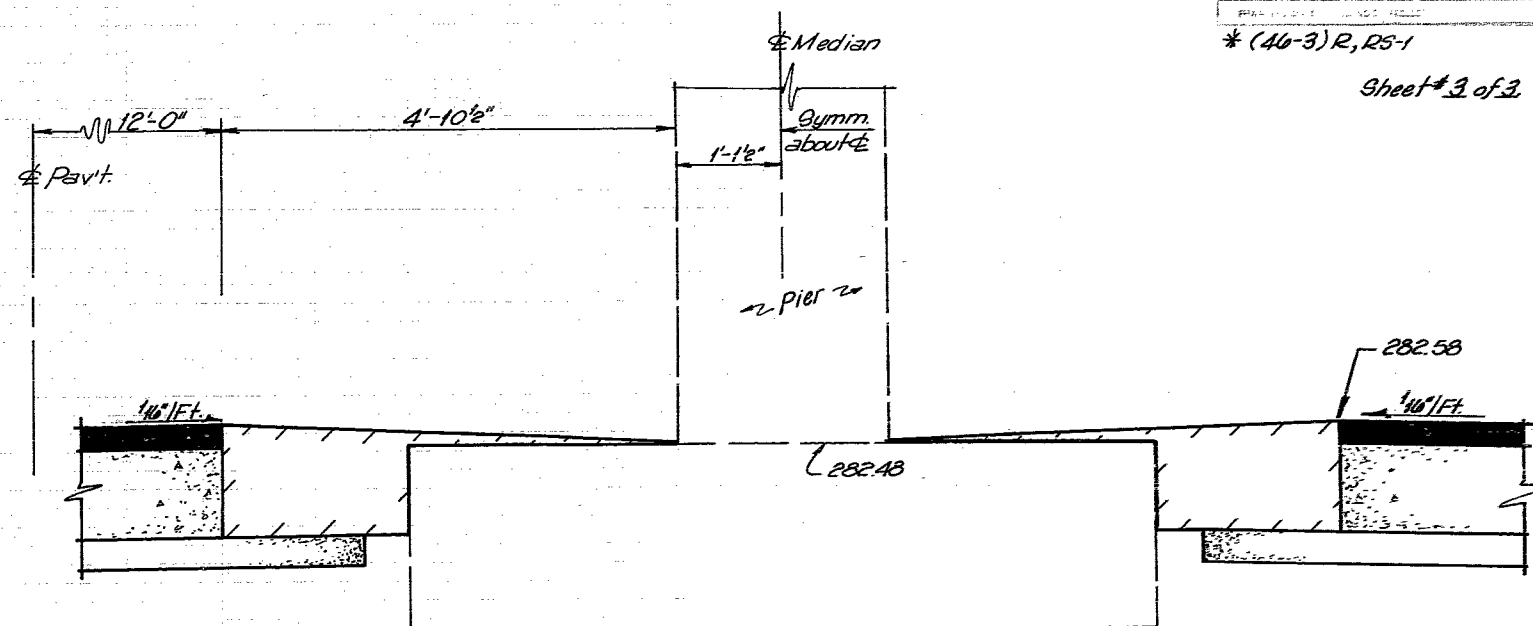
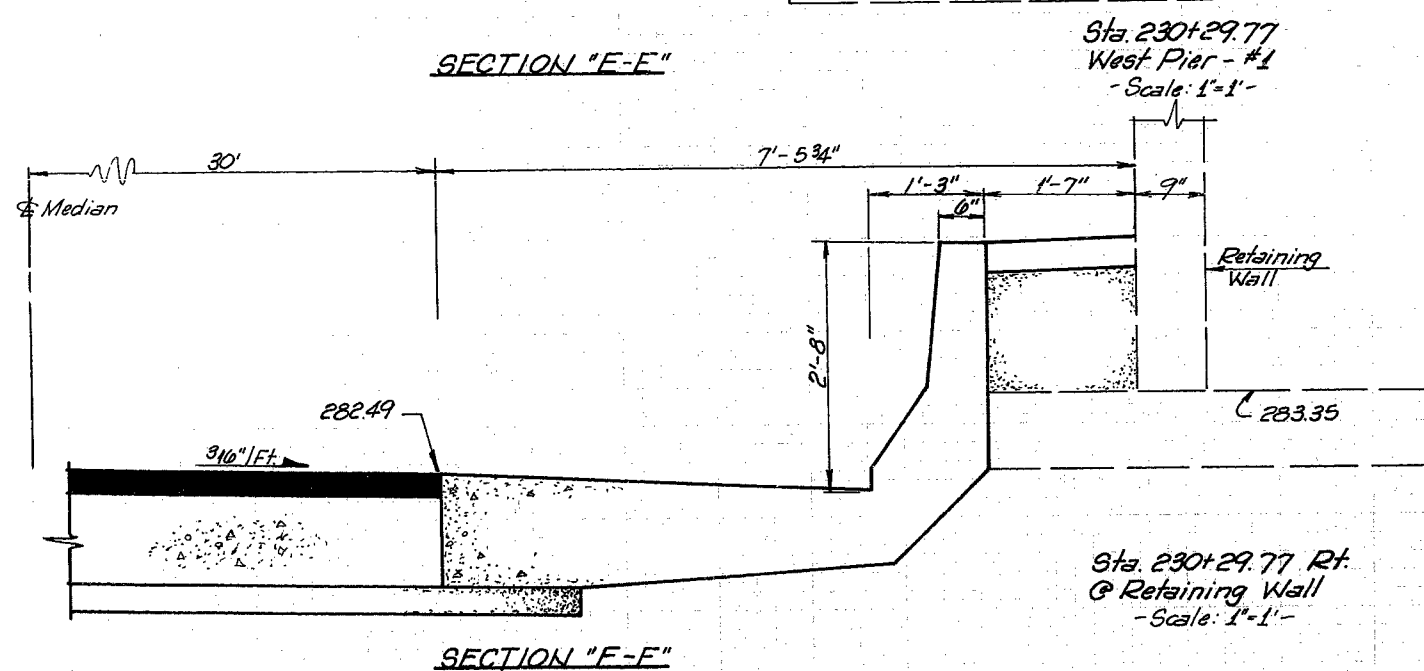
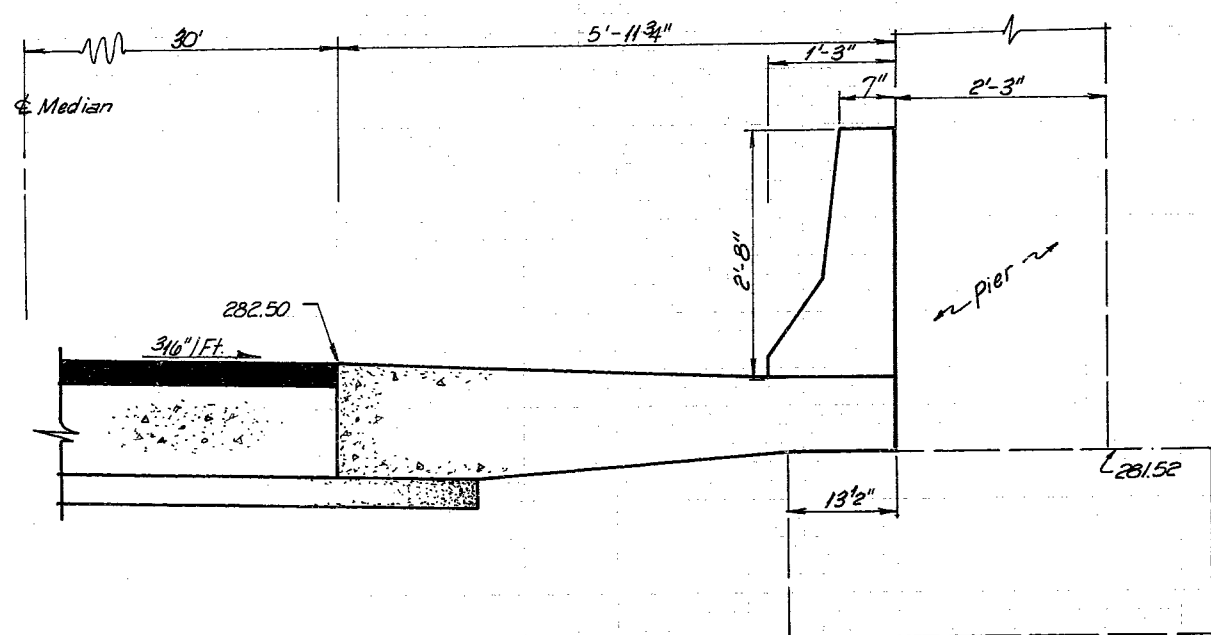
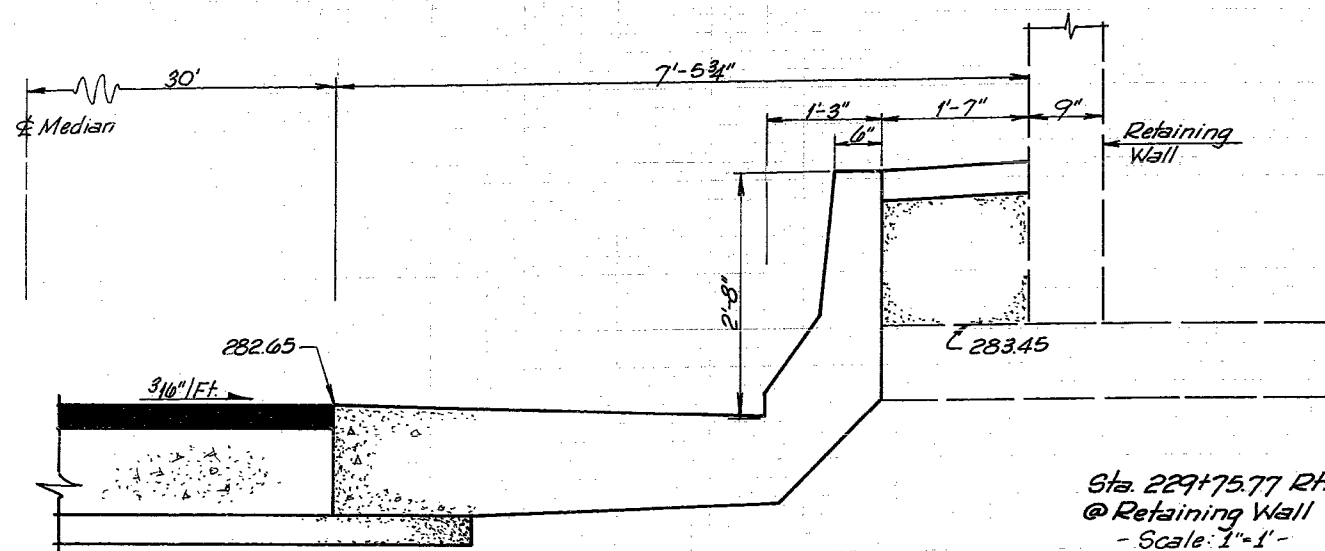


SECTION "A-A"

* (46-3) R, RS-1

Sta. 215+75.61
West Abutment
--- Scale: 1" = 1' ---

SPECIAL DETAILS (INFORMATION ONLY)



80

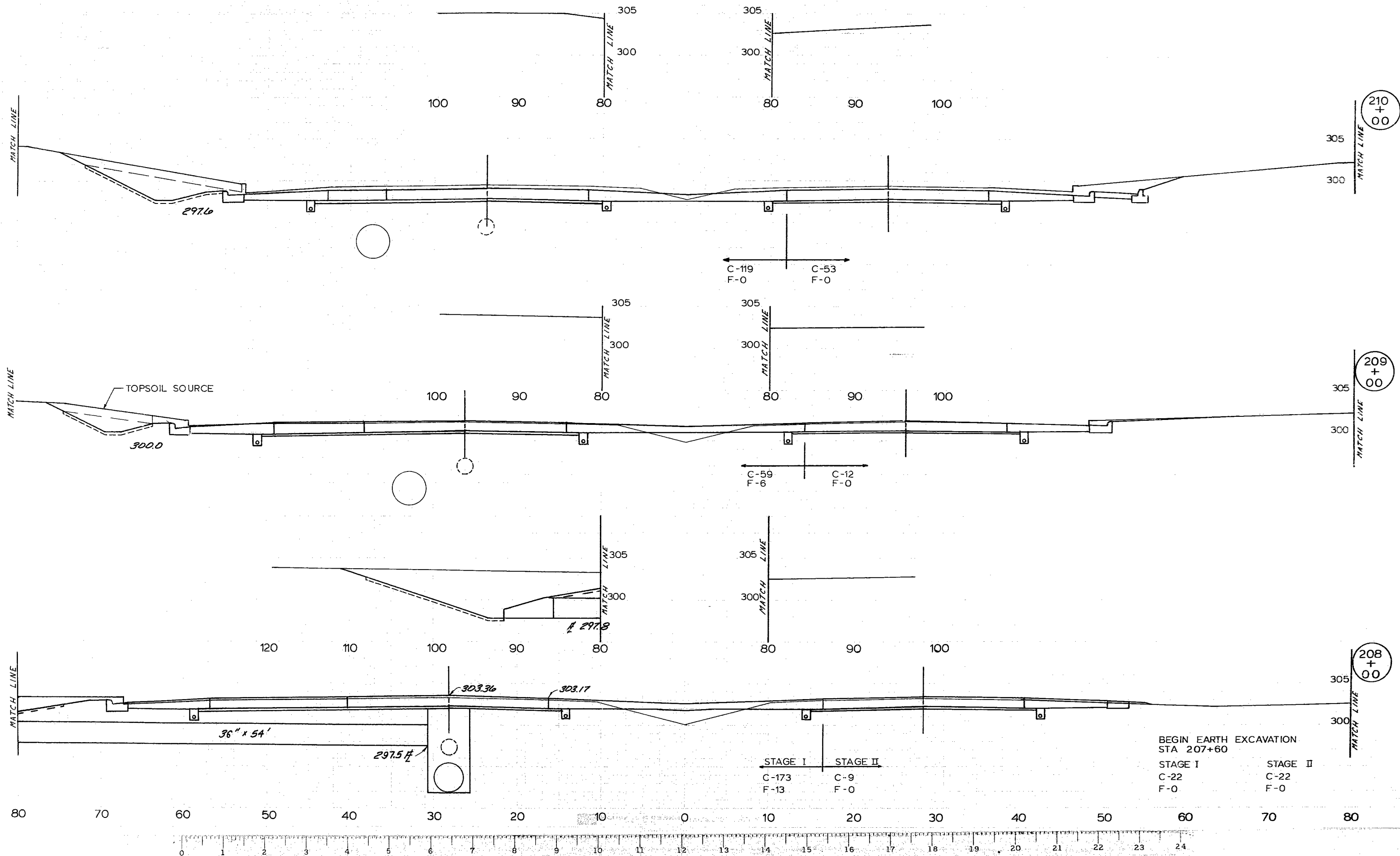
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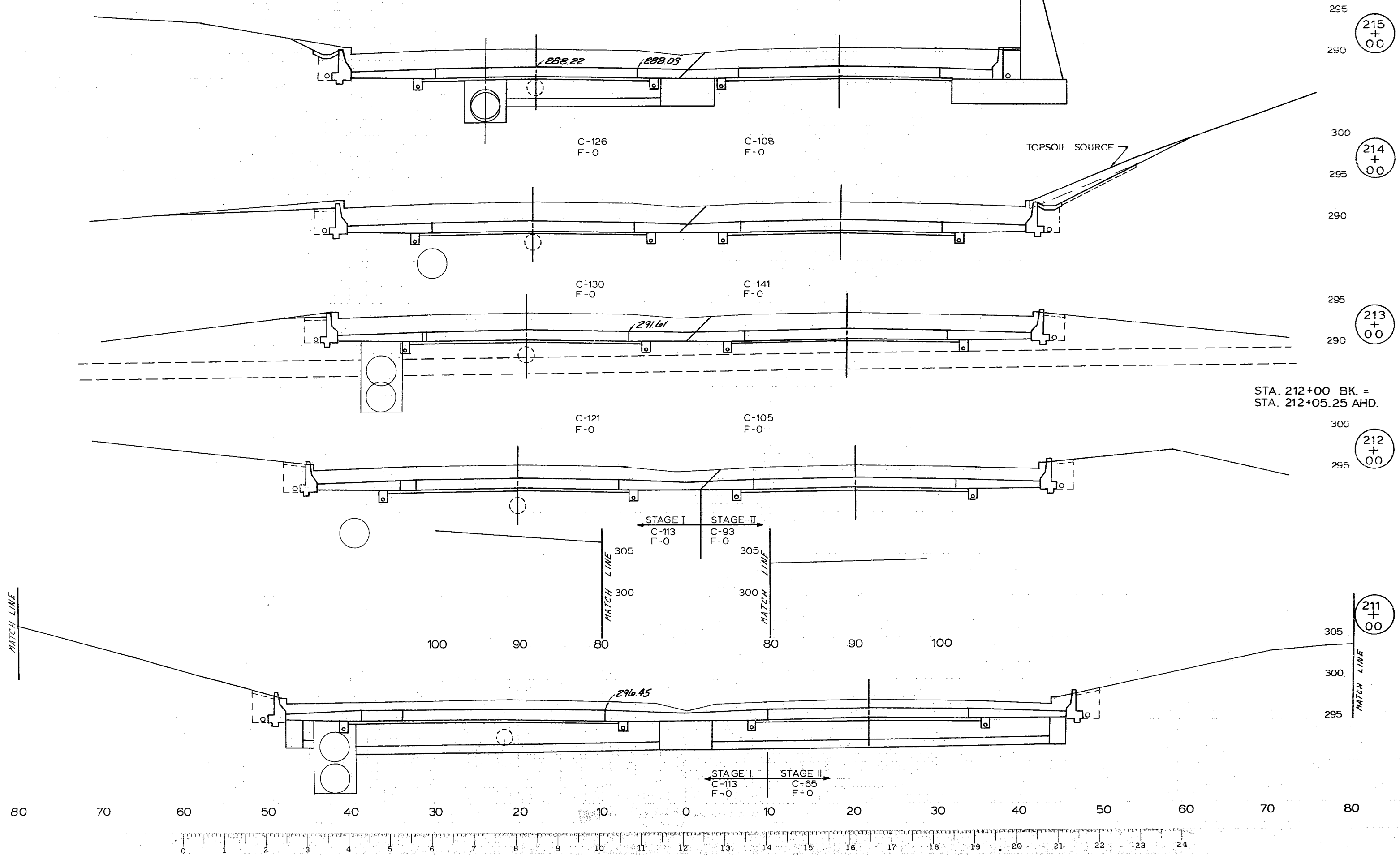
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
FAI 57	*	KKK	52	50
FHWA REG. 4 ILLINOIS PROJECT				

*(46-3)R, RS-1

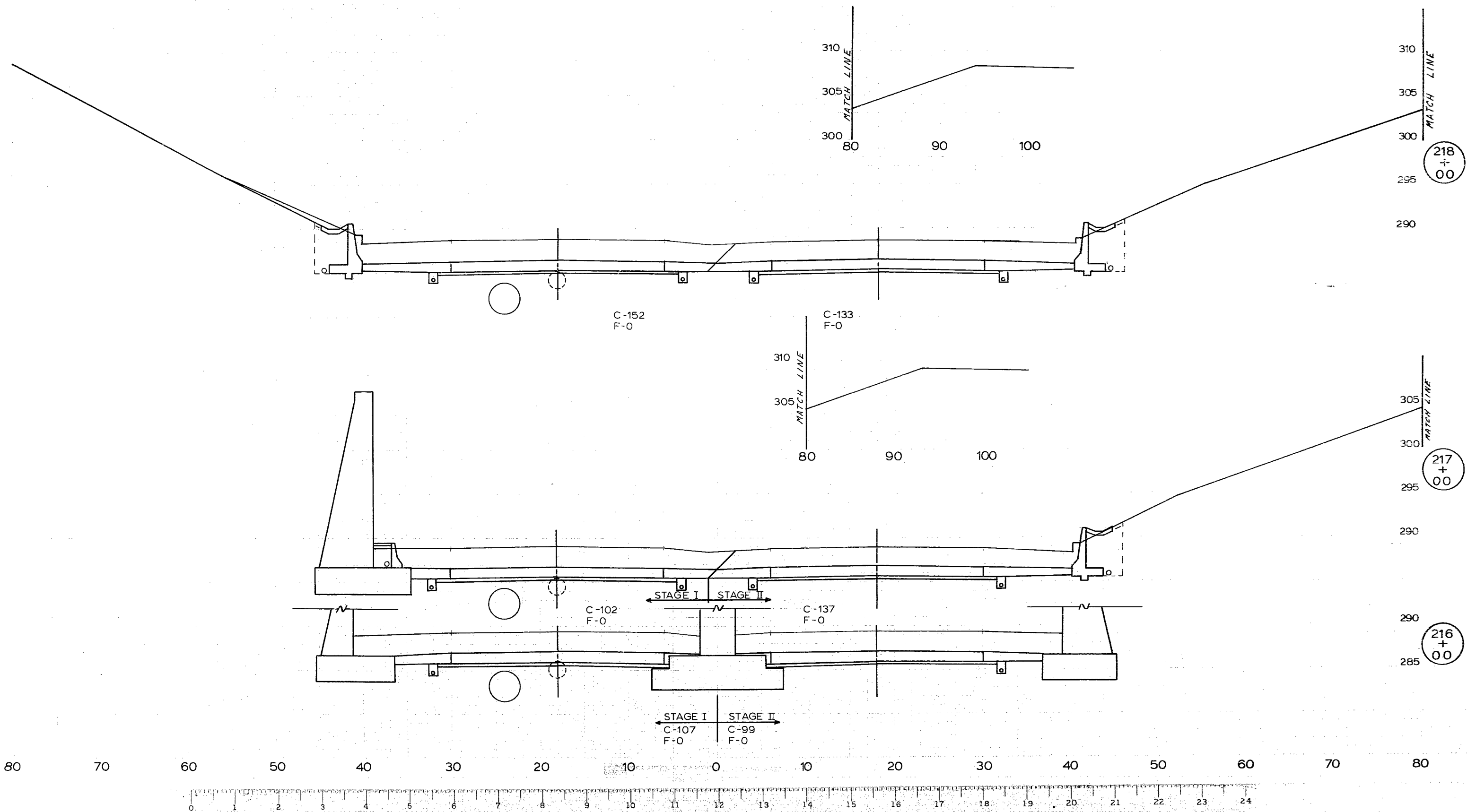


ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
FAI 57	*	KKK	52	51
FHWA REG. 4 ILLINOIS PROJECT				

*(46-3)R,RS-1



ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
FAI 57	*	KKK	82	52
FHWA REG 4 ILLINOIS PROJECT				
* (46-3)R, RS-1				



80

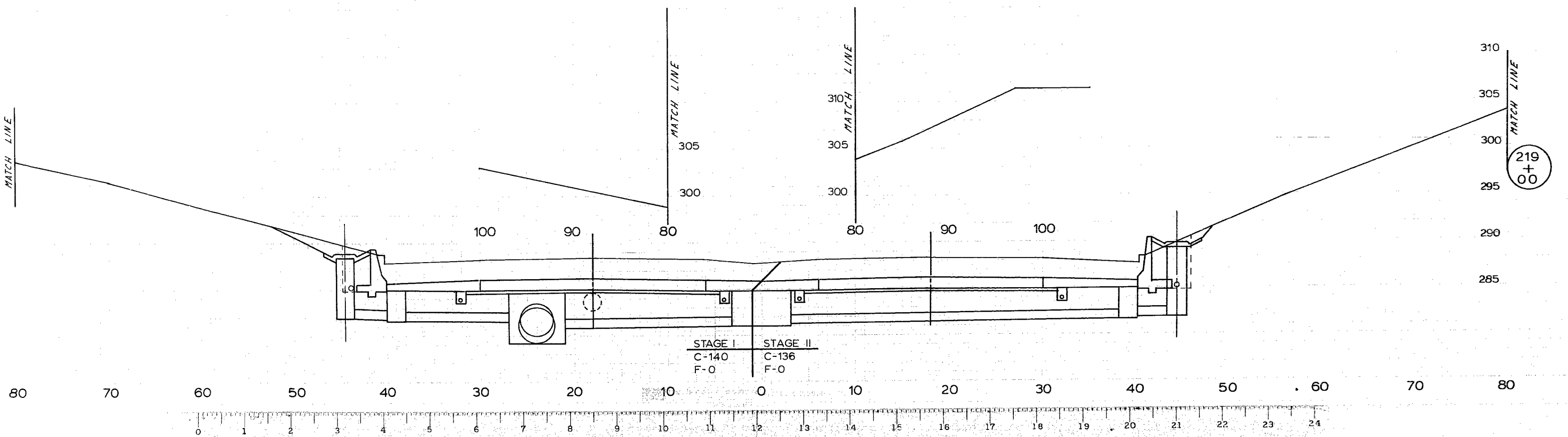
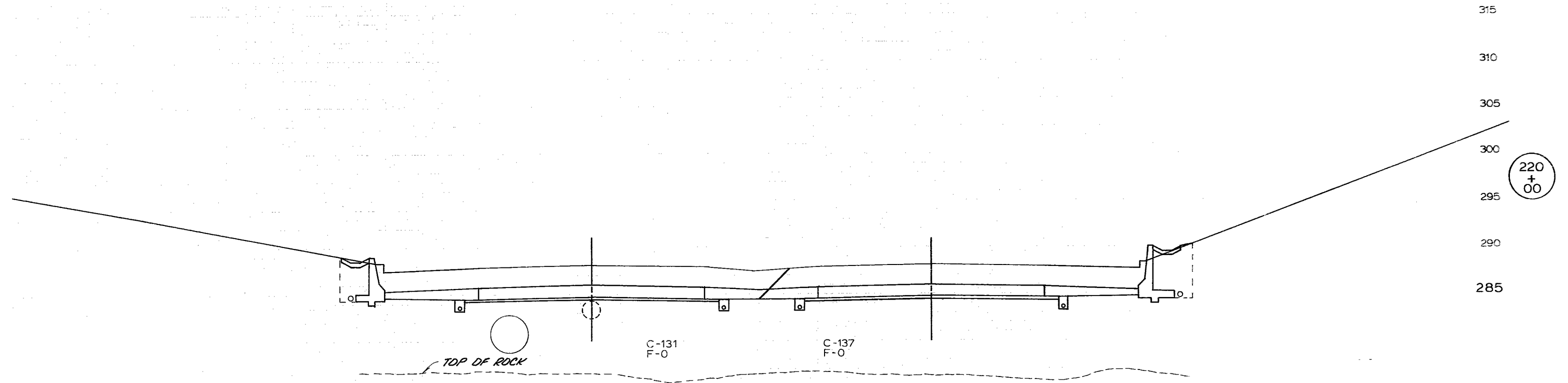
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ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
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F.H.W.A. REG. 4 ILLINOIS PROJECT				

*(46-3)R, RS-1



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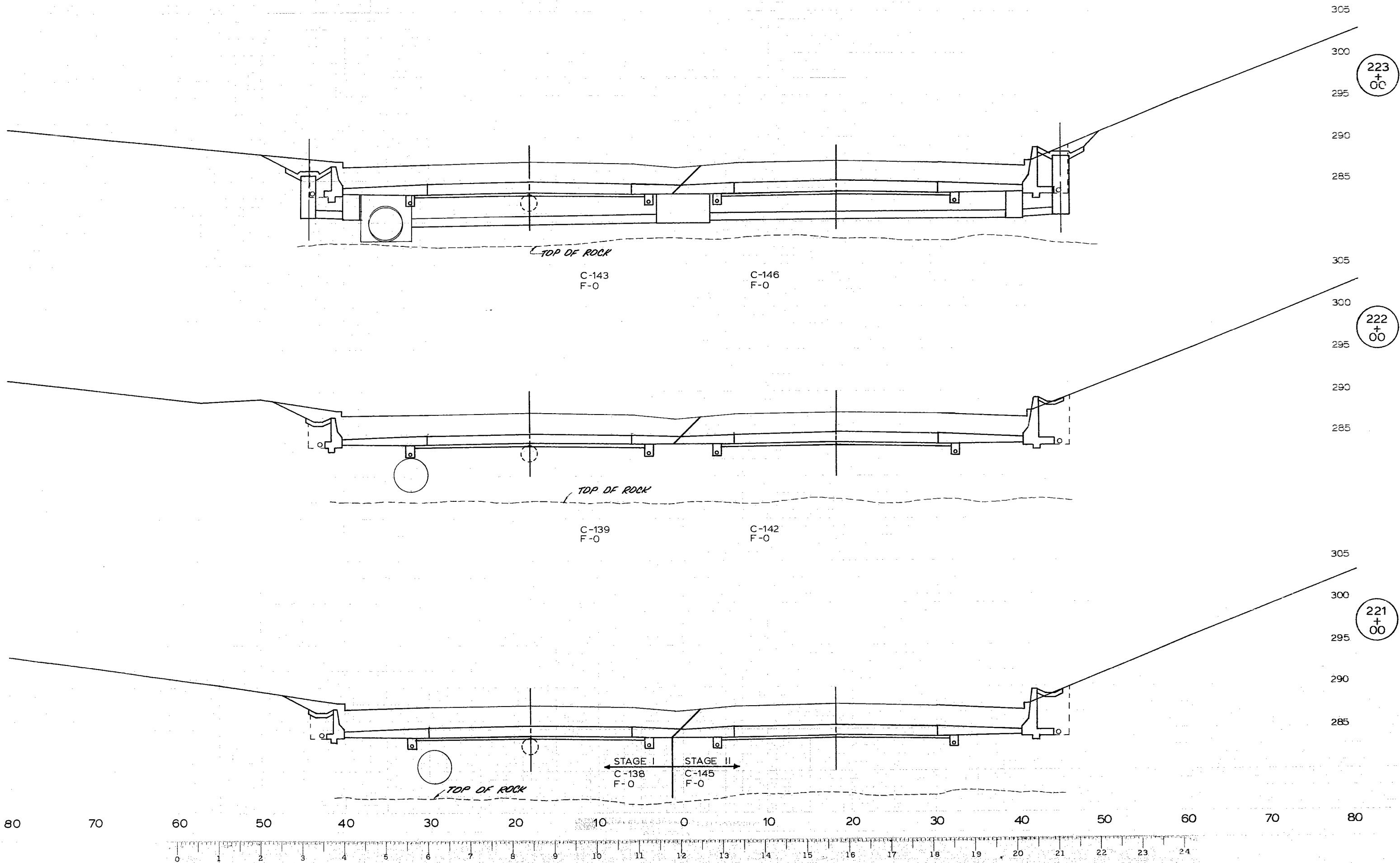
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ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
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F.H.W.A. REG. 4 ILLINOIS PROJECT				

*(46-3)R,RS-1



80

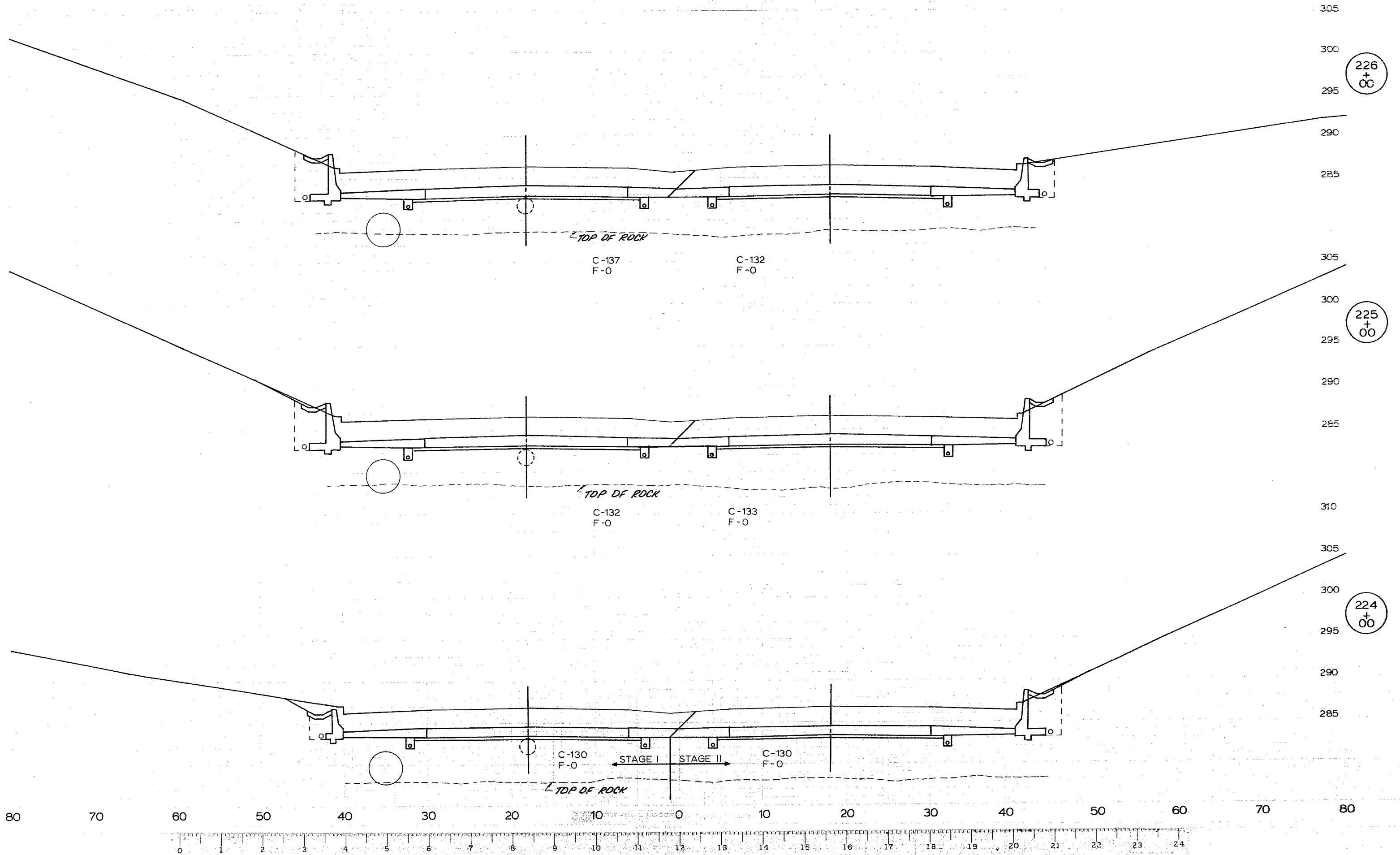
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ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
FAI 57	*	KKK	55	55
F.H.W.A. REG. 4 ILLINOIS PROJECT				

*(46-3)R,RS-1



80

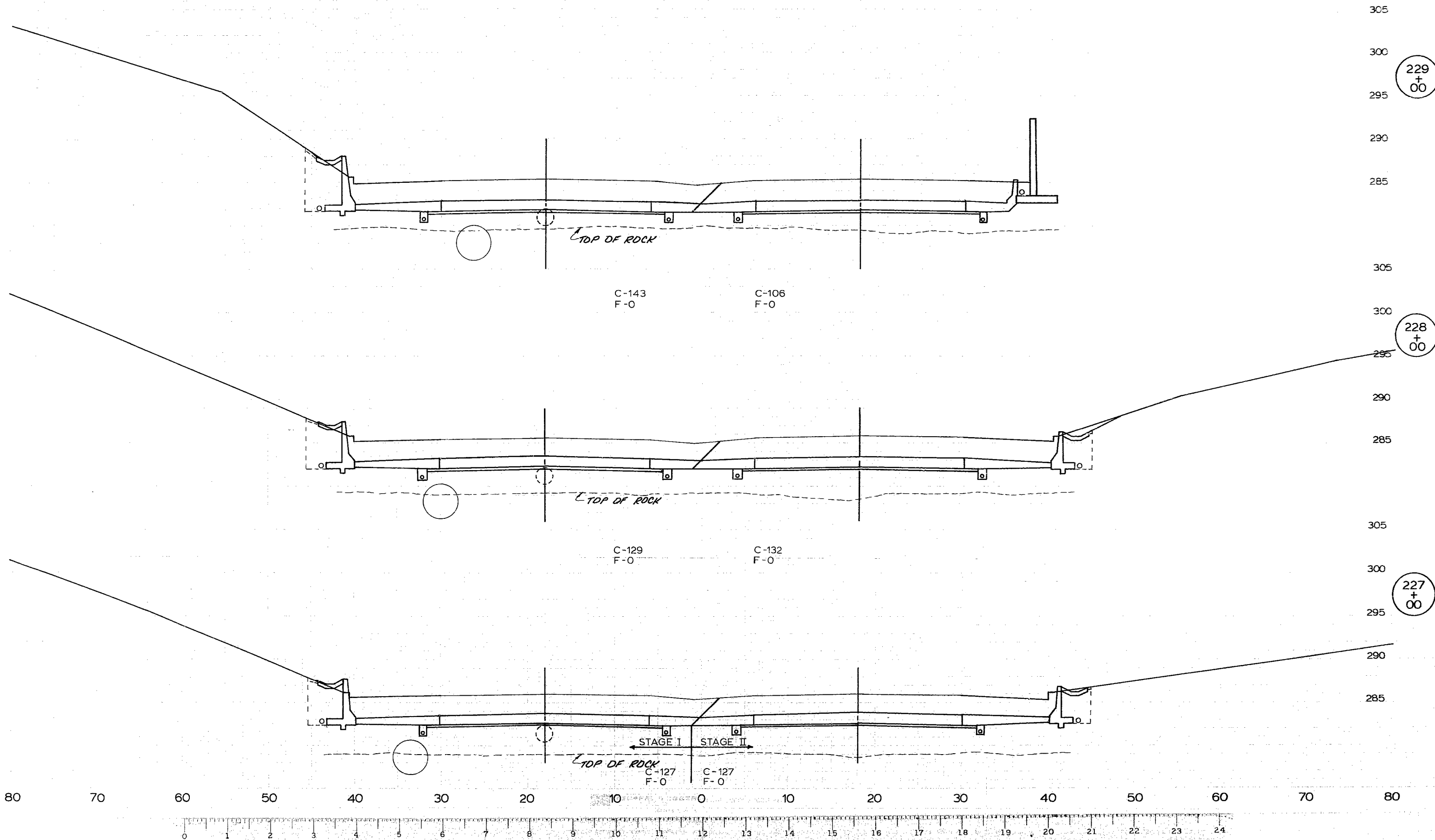
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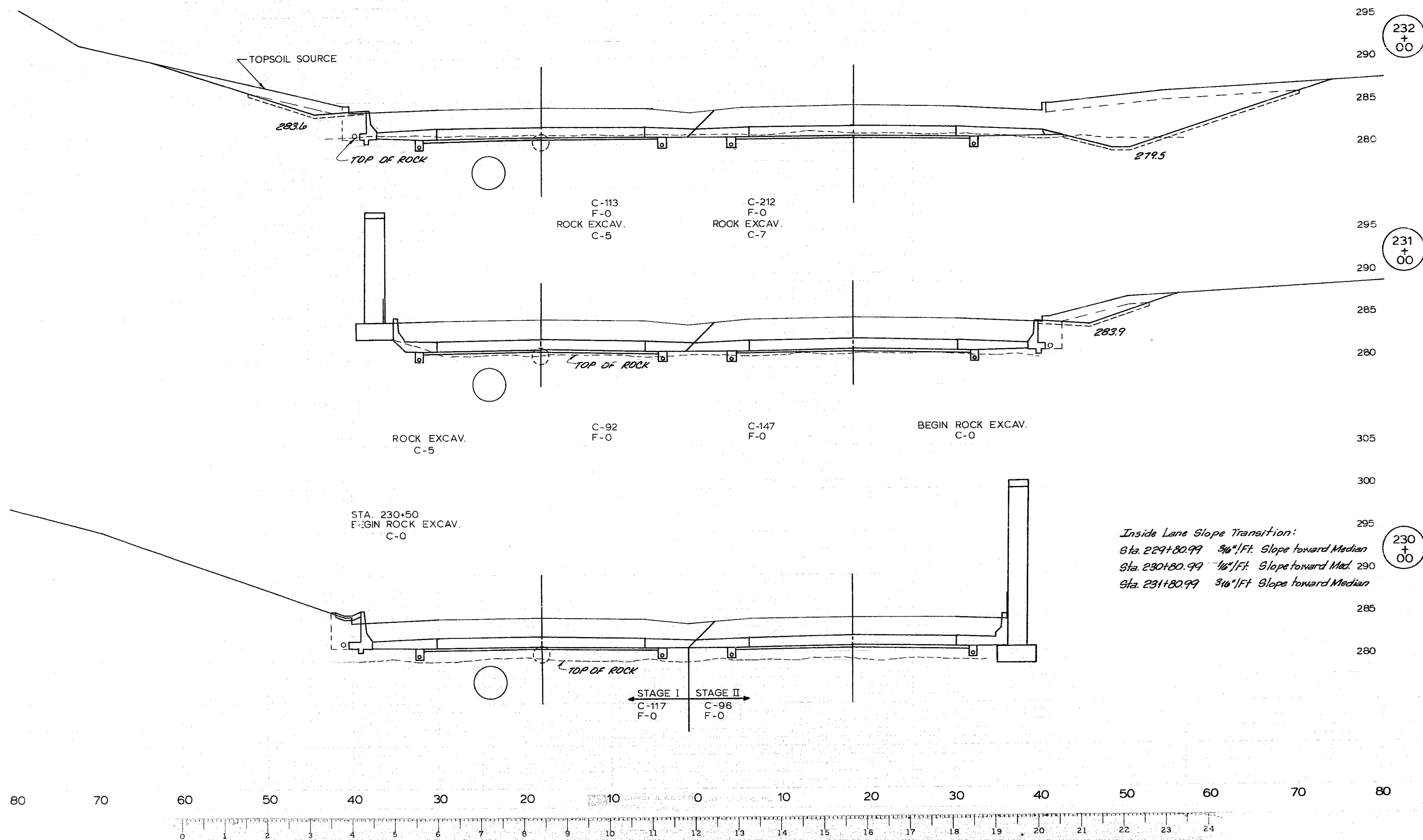
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ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
FAI 57	*	KKK	50	50
FWA RES 4	ILLINOIS	PROJECT		

* (46-3) R, RS-1



ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
FAI 57	*	KKK	57	57
* (46-3) R, RS-1				



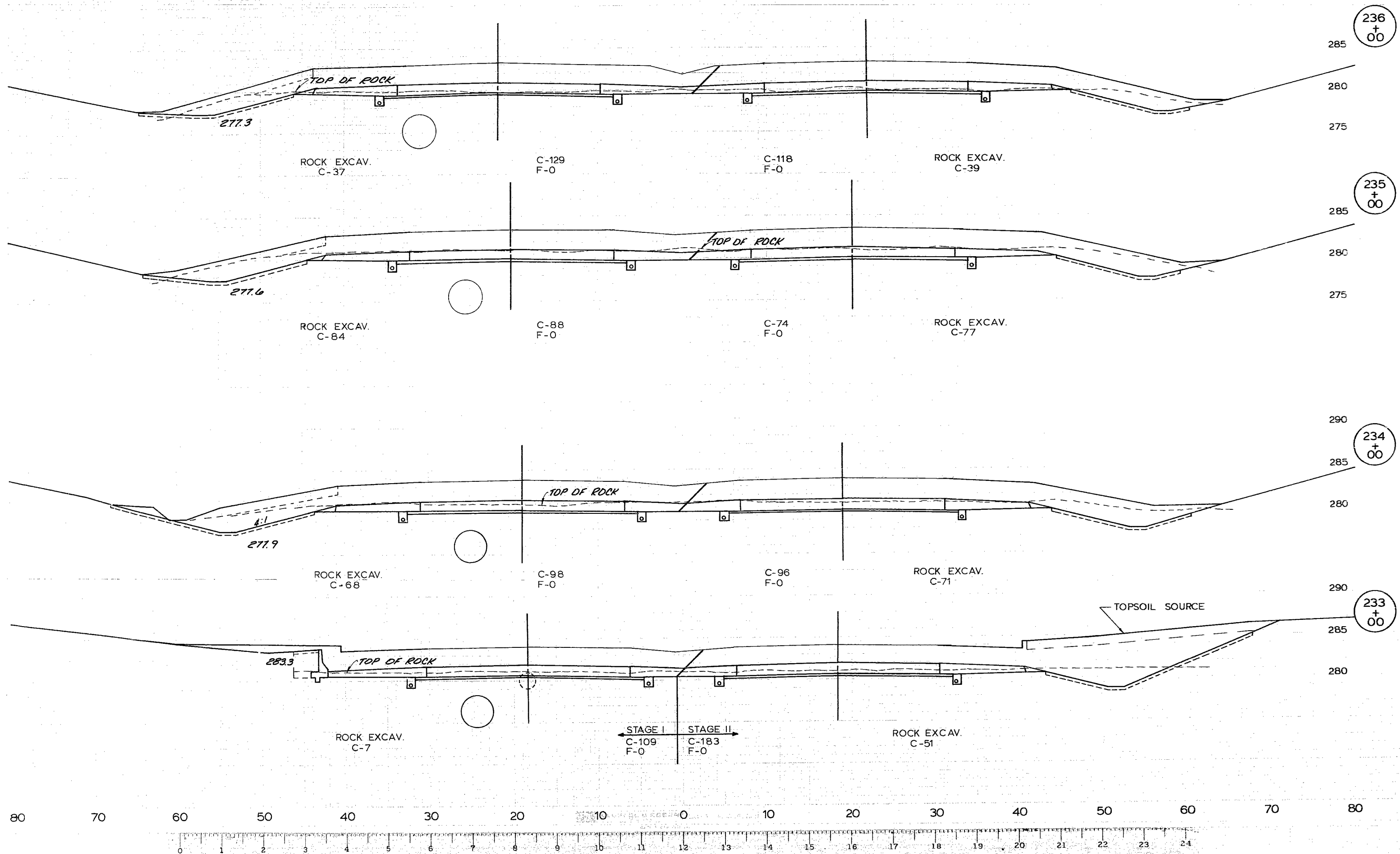
80

40

0

40

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
FAI 57	*	KKK	62	58
FHWA RES 4 ILLINOIS PROJECT				
*(46-3)R,RS-1				



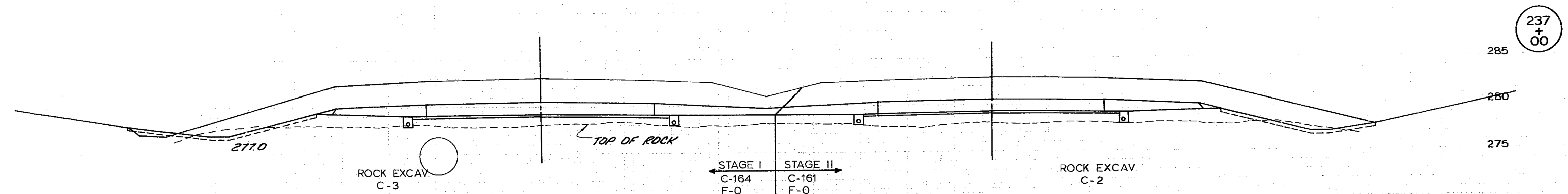
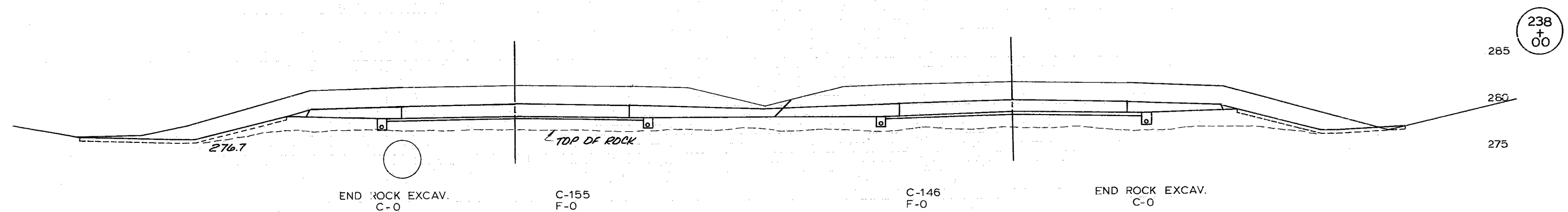
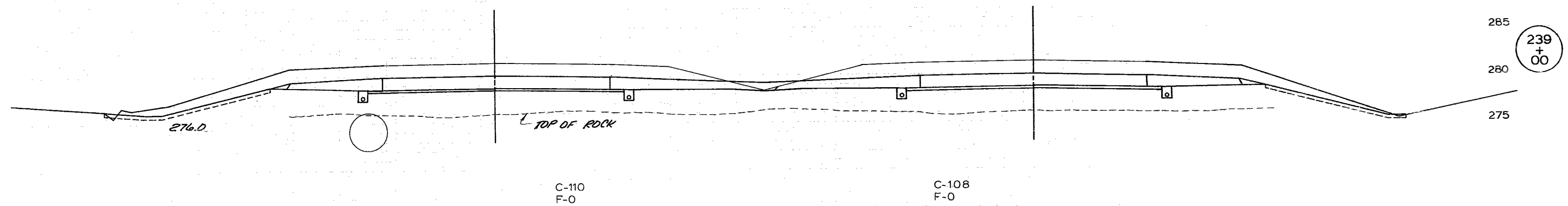
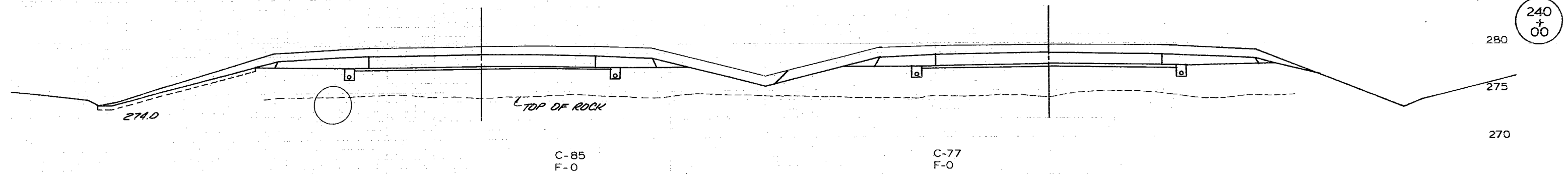
80

40

0

40

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
FAI-57	*	KKK	22	59
* (46-3)R, RS-1				



80

70

60

50

40

30

20

10

0

10

20

30

40

50

60

70

80

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

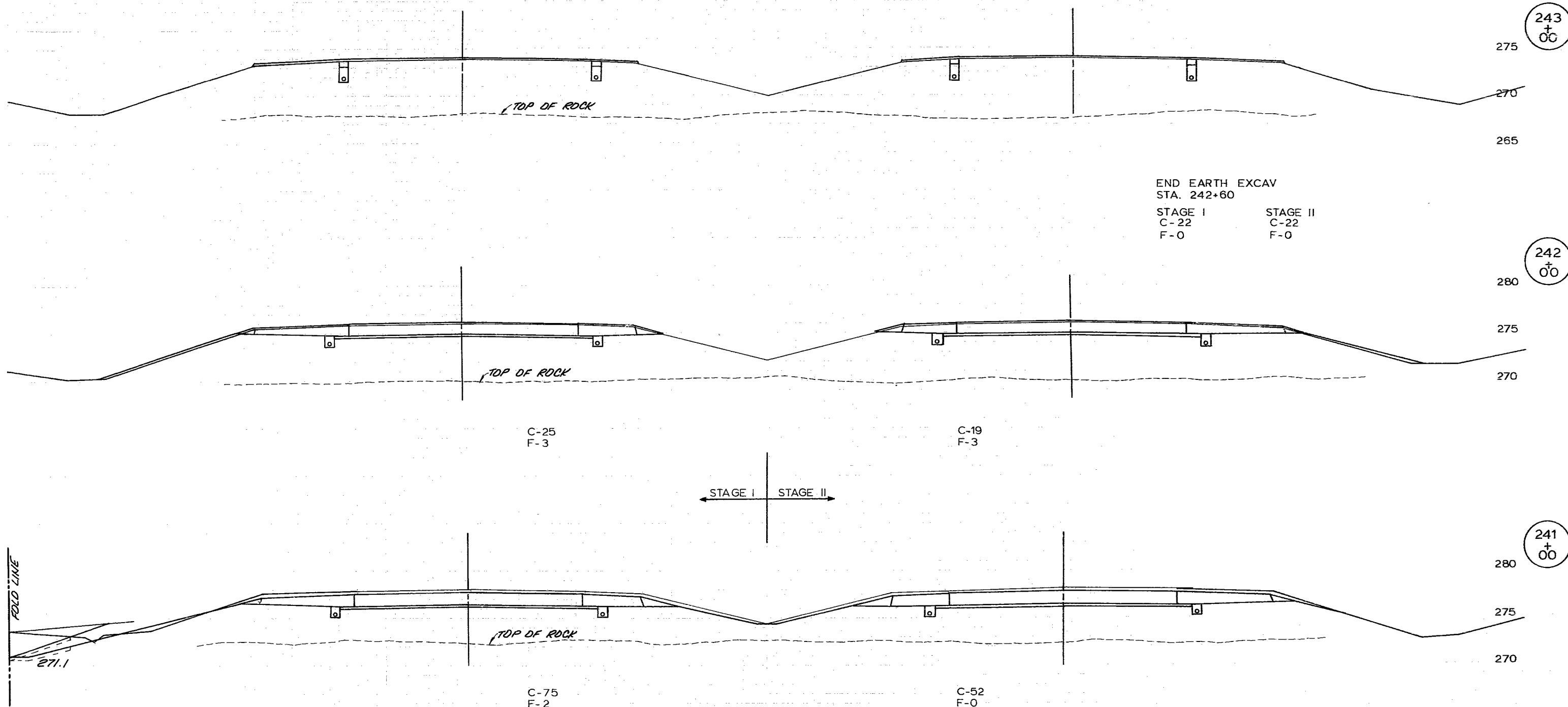
80

40

0

40

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
FAI 57	*	KKK	82	60
F.H.W.A. REG. 4 ILLINOIS PROJECT				
*(46-3)R,RS-1				



80

70

60

50

40

30

20

10

0

10

20

30

40

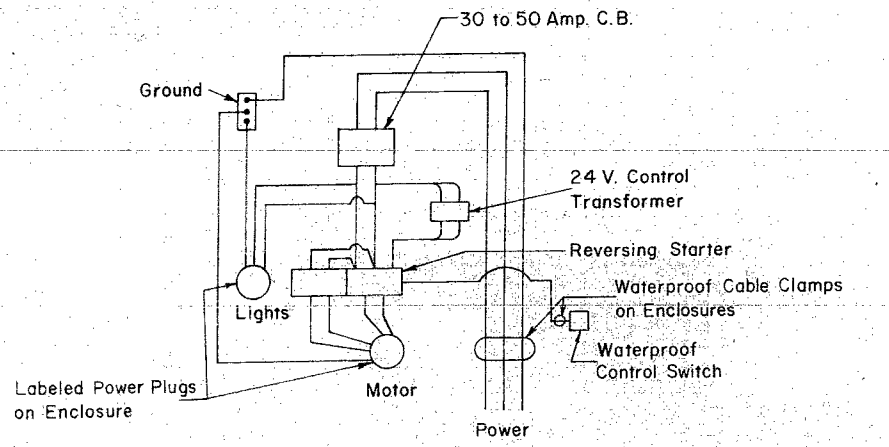
50

60

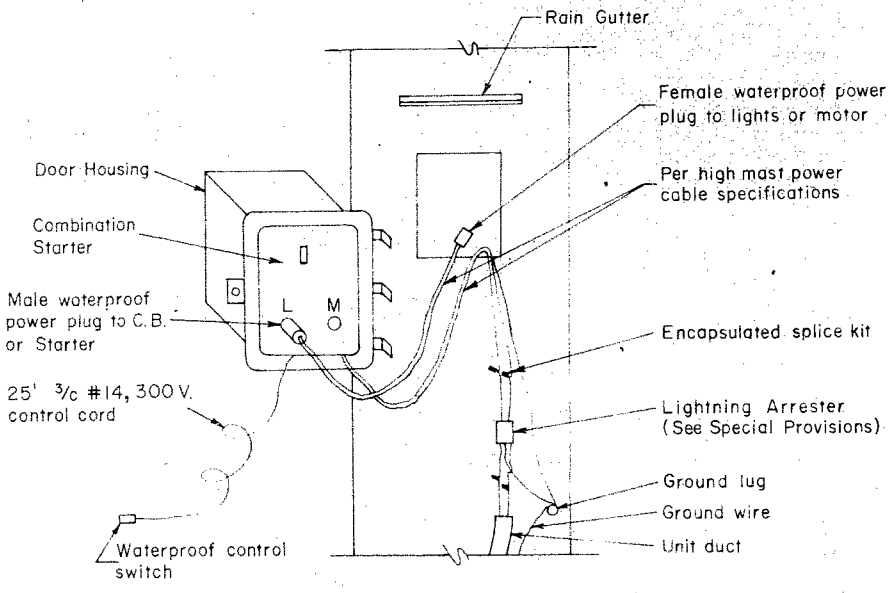
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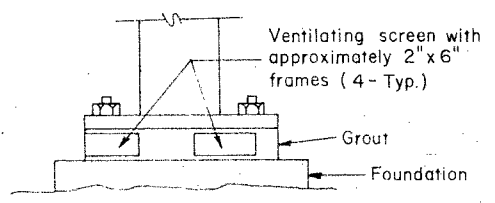
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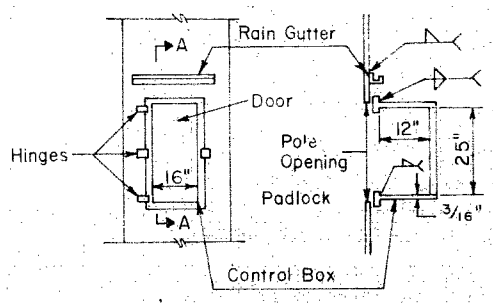
NOTE:
Manufacturer of lowering device shall factory wire the winch drive electrical control system. Cable attachment to plugs and polarity must be observed to prevent faults to ground when plugs are changed between lights and motor circuits. Alternate control schemes shall be approved by the Engineer.



HIGH MAST POLE WIRING DETAILS



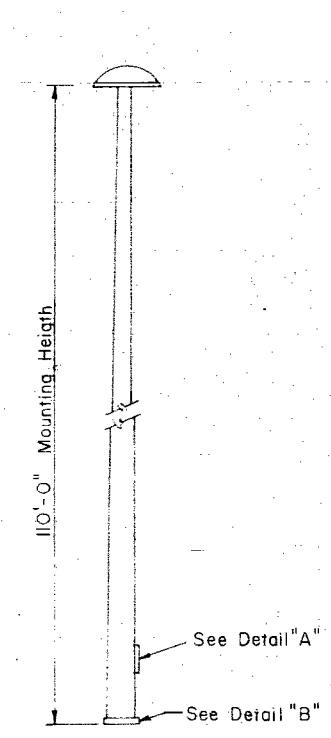
DETAIL "B"



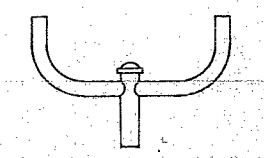
Dimensions are approximate -
(See Special Provisions)

DETAIL "A"

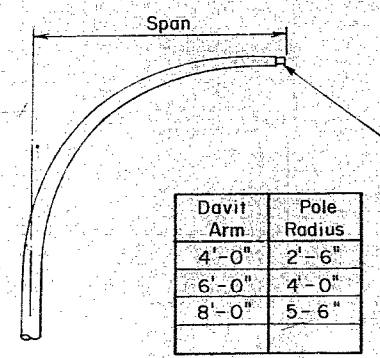
SECTION A-A



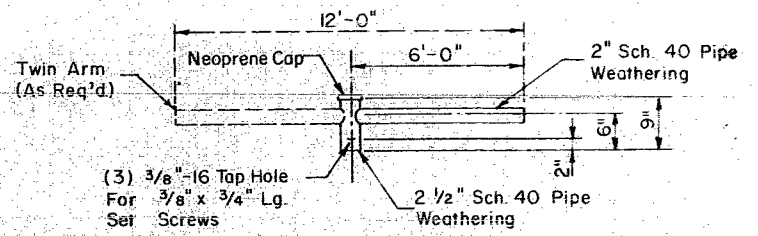
☒ HIGH MAST POLE



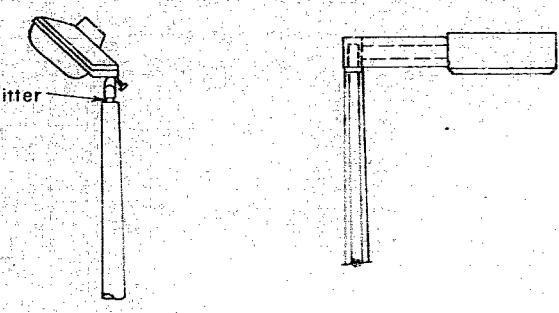
☒ TWIN TENON



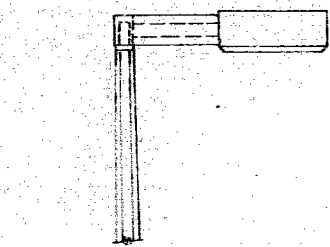
☐ DAVIT ARM



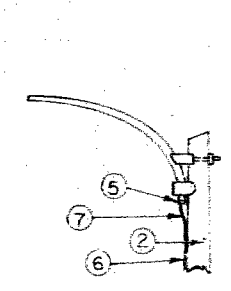
☐ TENON MOUNTED BRACKET ARM



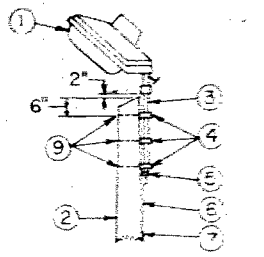
☒ TENON



☐ SHORT BRACKET

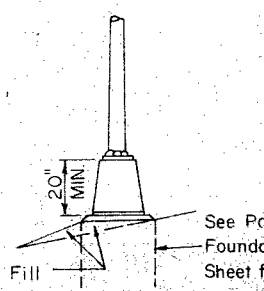


☐ MAST ARM

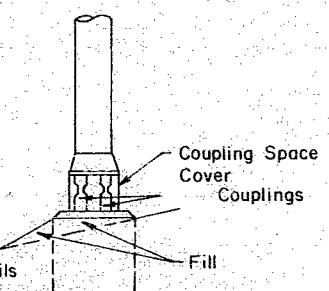


☐ TENON

- 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 5/c #12 type USE cable
- ⑧ 1" Galv. steel conduit 10'-0" in length
- ⑨ 3/4" 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

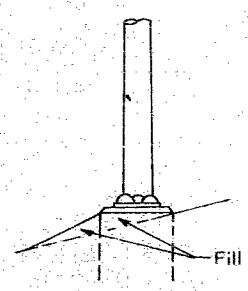


☐ TRANSFORMER BASE

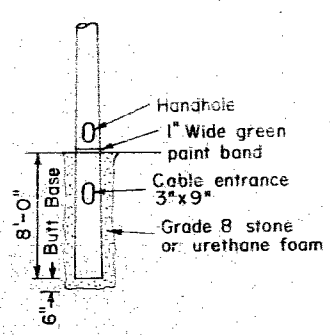


☒ BREAKAWAY COUPLING

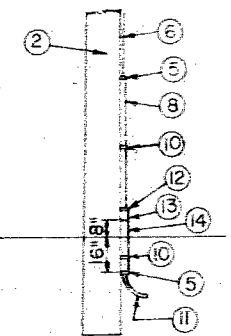
☒ FRANGIBLE



☒ ANCHOR



☐ 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'

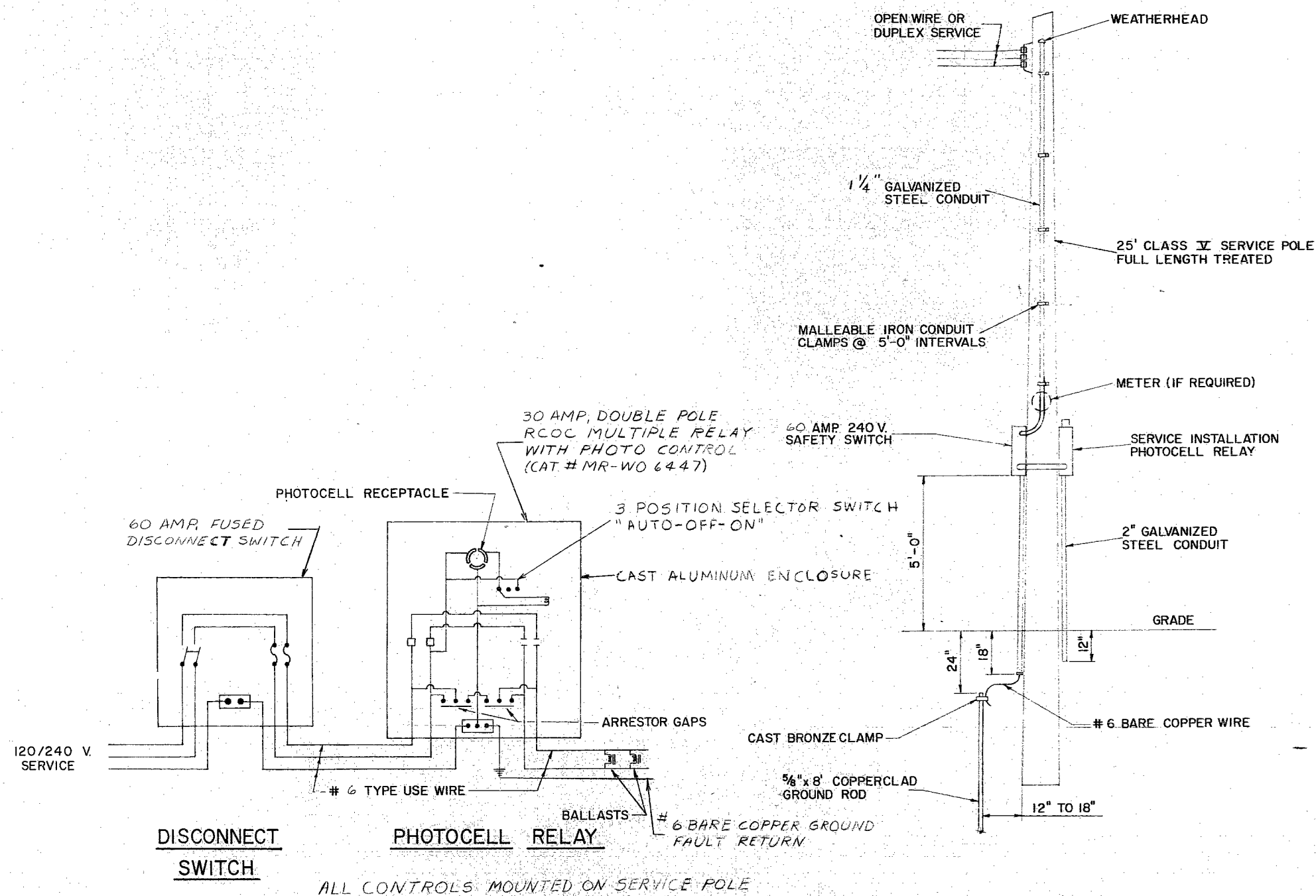
☒ METAL OR ☐ CONCRETE

Des. By: J.L.P.
March 20, 1980
J.L.P. 7-11-80

POLE STANDARDS

Revised

REV.	BY	DATE	TOTAL	REV.
1	KANKAKEE	62	62	
* (46-3)R, 25-1				



DRAWN BY J.L.P.
MARCH 27, 1979

SERVICE INSTALLATION
PHOTOCELL RELAY