

LIMITED ACCESS

This improvement is especially designed for through traffic and has been declared a limited access highway or freeway by action of the Director in accordance with the provision of Section 5511.02 of the Revised Code of Ohio.

1989 SPECIFICATIONS

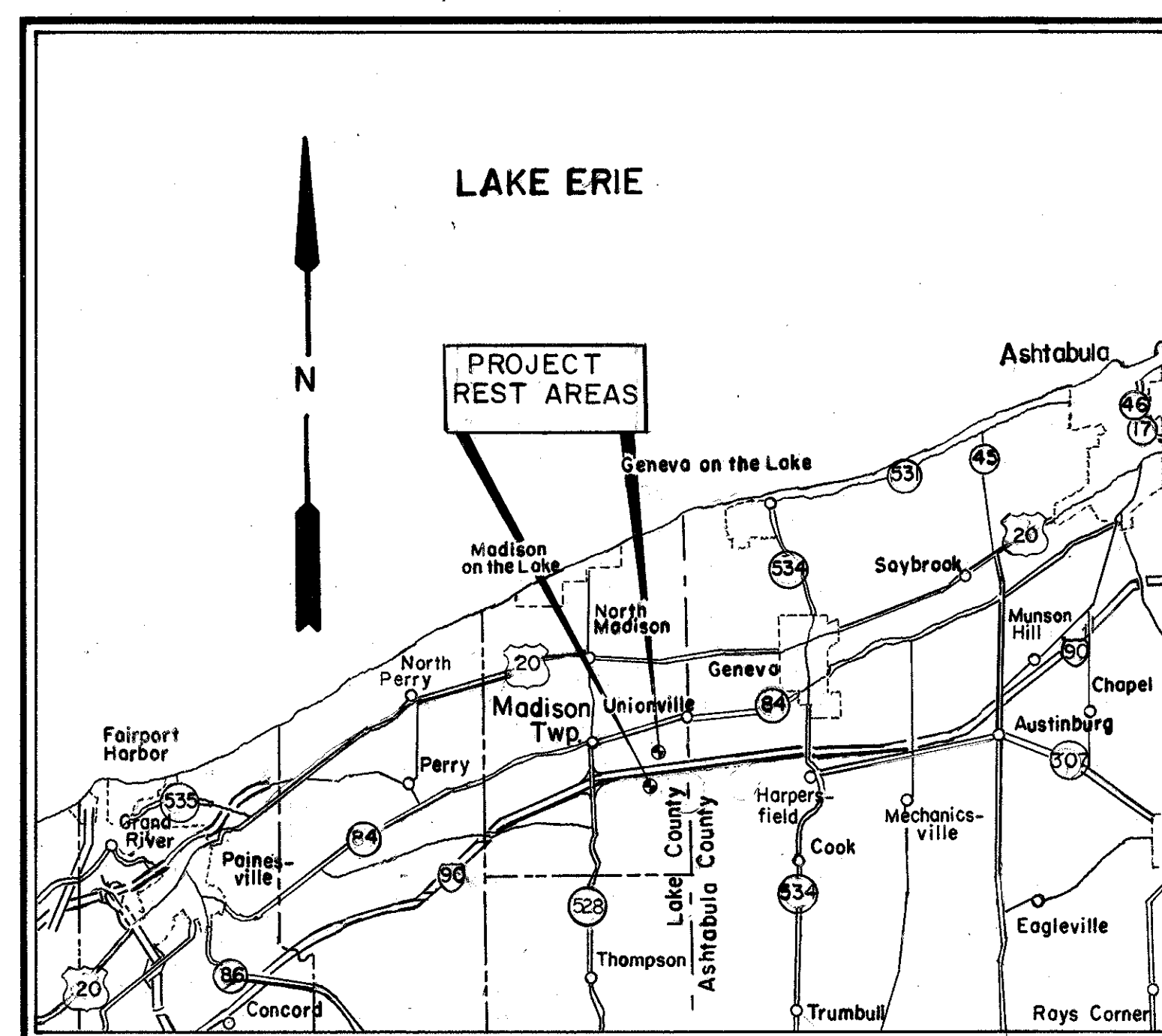
The standard specifications of the State of Ohio, Department of Transportation, including changes and supplemental specifications listed in the proposal shall govern this improvement.

I hereby approve these plans and declare that the making of this improvement will not require the closing of the highway to traffic and that provisions for the maintenance and safety of traffic will be as set forth on these plans and estimates.

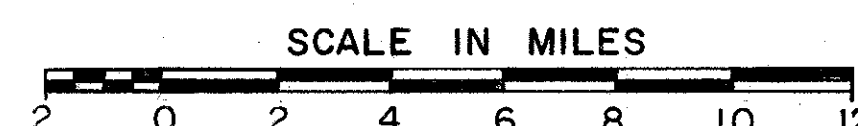
County Line _____
 Township Line _____
 Section Line _____
 Corporation Line _____ or _____
 Fence Line (existing) — x — (proposed) — x —
 Center Line _____ 352 _____ 353 _____
 Trees, Stumps (to be removed)
 Utility Poles: Telephone , Power , Light .

Limited Access (only) _____ LA _____
 Right of Way (only) _____ RW _____
 Limited Access & Right of Way _____ LA & RW _____
 Existing Right of Way _____
 Property Line — — (in existing fence) — x — — x —
 Railroad or
 Guardrail (existing) (proposed)

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LOCATION MAP



Portion to be improved _____
State & Federal Routes _____
Other Roads _____

SCALES

Plan _____

Profile: _____ Horizontal _____, Vertical _____

Cross Section: Horizontal _____, Vertical _____

NET LENGTH OF PROJECT _____ 0.00 L.F. or 0.00 MILE

BEGIN WORK _____ 65+32.15

END WORK _____ 107+00.00

LENGTH OF WORK _____ 4,167.85 L.F. or 0.789 MILE

UNDERGROUND UTILITIES

**TWO WORKING DAYS
BEFORE YOU DIG**

Call...800-362-2764 (Toll free)
OHIO UTILITIES PROTECTION SERVICE

**NON-MEMBERS
MUST BE CALLED DIRECTLY**

SUPPLEMENTAL SPECIFICATIONS

[illegible]

Approved Martin A. Ballis
Date 1-23-85 District Deputy Director of Transportation

Approved _____
Date _____ Engineer, Bureau of Bridges and
Structural Design

Approved James R. Longenecker
Date 2-2-89 DEPUTY DIRECTOR, OPERATIONS

Approved Bernard B. Hunt
Date 2-2-89 Director, Department of Transportation

Plan Prepared By:

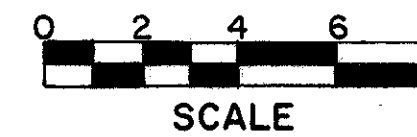
OHIO DEPARTMENT OF
TRANSPORTATION
DISTRICT 12
LOCATION & DESIGN

SEAL

Project: _____
Date of Letting _____ 19____, Contract No. _____

TYPICAL SECTIONS

REST AREA REMOVAL



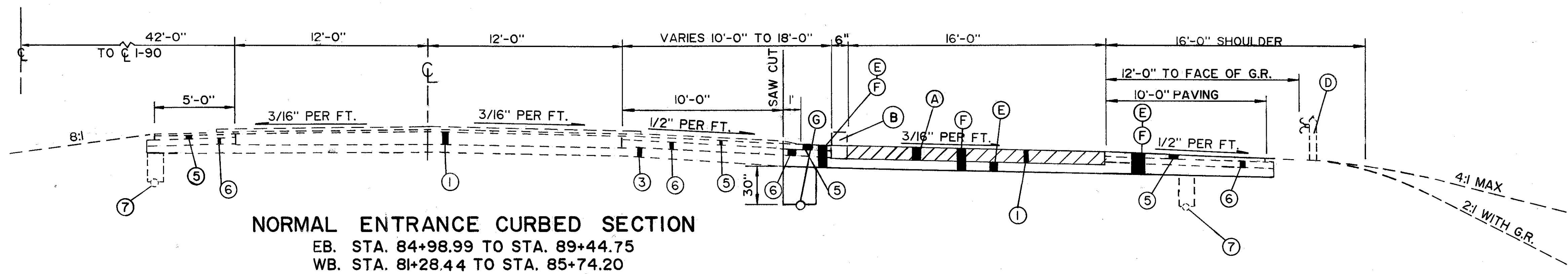
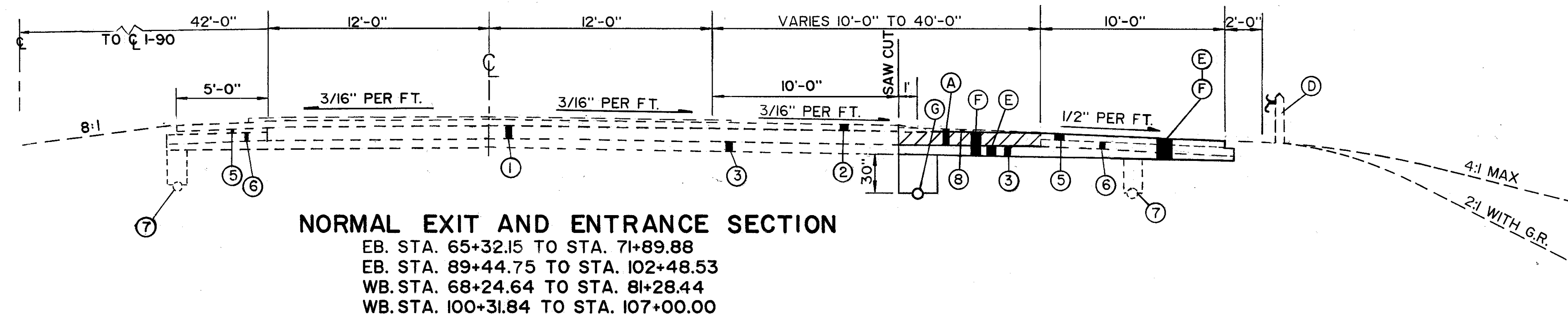
LAKE COUNTY
LAK - 90 - 28.29

OHIO

FHWA
REGION 5

FEDERAL
PROJECT

2
20



LEGEND

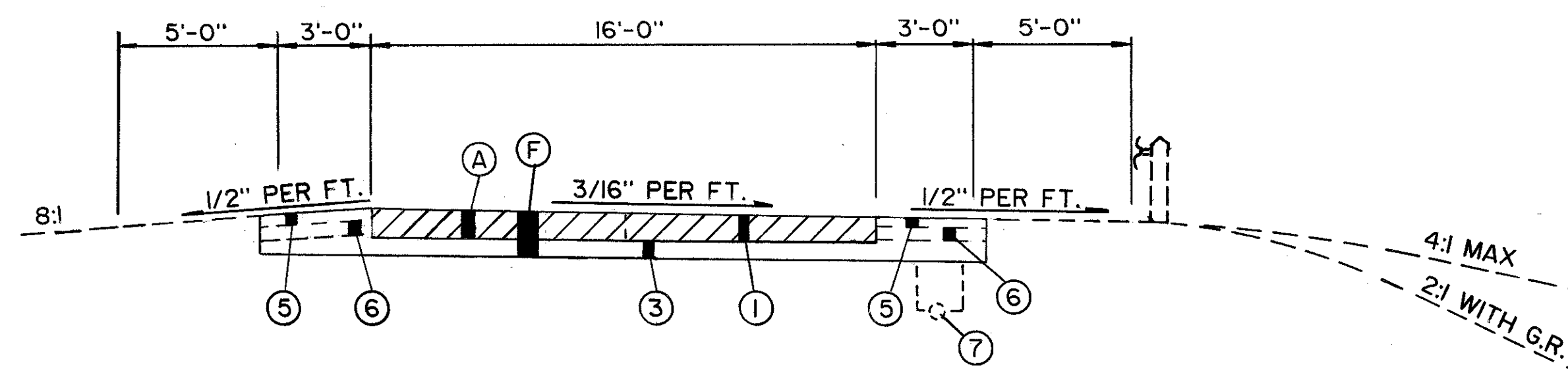
EXISTING

- ① 10" REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT
- ② 5" ASPHALT CONCRETE (AC-20)
- ③ 6" SUBBASE
- ④ SUBBASE (VARIABLE DEPTH)
- ⑤ 3" BITUMINOUS MACADAM BASE COURSE
- ⑥ 5" STABILIZED CRUSHED AGGREGATE SHOULDER MATERIAL
- ⑦ 6" UNDERDRAIN
- ⑧ 1" - 2" ASPHALT CONCRETE WEARING COURSE

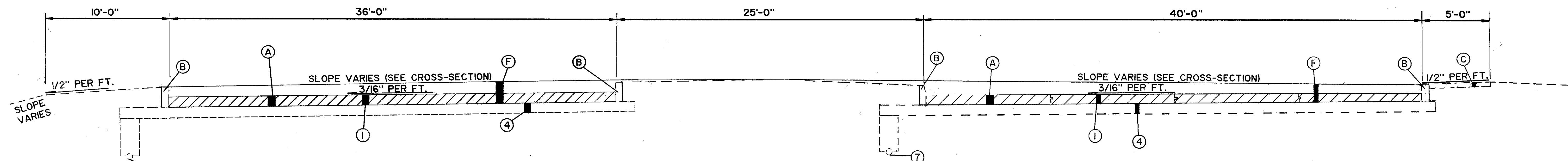
PROPOSED

- (A) 202 PAVEMENT REMOVED (REMOVAL)
- (B) 202 CURB REMOVED
- (C) 202 WALK REMOVED
- (D) 202 GUARDRAIL REMOVED
- (E) 203 EXCAVATION NOT INCLUDING EMBANKMENT CONSTRUCTION
- (F) 203 EMBANKMENT
- (G) 605 6" SHALLOW PIPE UNDERDRAINS

NOTE: THE COST OF SAW CUT SHALL BE INCLUDED UNDER
ITEM 202-PAVEMENT REMOVED.



NORMAL RAMP SECTION



GENERAL

ROADWAY

TRAFFIC MAINTENANCE

FIELD OFFICE

THE CONTRACTOR SHALL PROVIDE A SUITABLE FIELD OFFICE HAVING A MINIMUM OF 150 SQ.FT. OF FLOOR SPACE. PAYMENT SHALL BE AT THE LUMP SUM PRICE BID FOR ITEM 619-FIELD OFFICE.

RIGHT OF WAY

ALL WORK SHALL BE PERFORMED WITHIN THE EXISTING RIGHT OF WAY.

CLOSURE OF REST AREAS TO THE PUBLIC

REST AREAS ARE CLOSED TO THE TRAVELING PUBLIC AND SHALL REMAIN CLOSED DURING THE CONSTRUCTION PERIOD.

CONTINGENCY QUANTITY

THE CONTRACTOR SHALL NOT ORDER MATERIALS OR PERFORM WORK FOR PLAN ITEMS SET UP TO BE USED "AS DIRECTED BY THE ENGINEER" UNLESS AUTHORIZED BY THE ENGINEER. THE ACTUAL WORK LOCATIONS AND QUANTITIES USED AT THE ENGINEER'S DISCRETION SHALL BE MADE A MATTER OF RECORD BY INCORPORATION INTO THE FINAL CHANGE ORDER GOVERNING COMPLETION OF THIS PROJECT.

EXISTING TYPICAL SECTIONS

EXISTING TYPICAL SECTIONS HAVE BEEN TAKEN FROM THE RECORDS AND ARE BELIEVED TO REPRESENT THE EXISTING PAVEMENT, BUT THE STATE OF OHIO DOES NOT GUARANTEE THE ACCURACY OF THE SAME.

FOR FURTHER INFORMATION IN REGARD TO THE EXISTING TYPICAL SECTIONS THE CONTRACTOR SHALL REFER TO PREVIOUS CONSTRUCTION PLANS. THESE PLANS MAY BE REVIEWED AT THE OHIO DEPARTMENT OF TRANSPORTATION, DISTRICT 12 OFFICES, 5500 TRANSPORTATION BLVD., GARFIELD HEIGHTS, OHIO 44125-5308

COOPERATION BETWEEN CONTRACTORS

THE CONTRACTOR SHALL COOPERATE AND COORDINATE HIS OPERATIONS WITH THE CONTRACTOR'S ON OTHER PROJECTS THAT MAY BE IN FORCE DURING THE LIFE OF THIS CONTRACT. NO WAIVER OF ANY PROVISIONS OF 105.07 OF THE CONSTRUCTION AND MATERIAL SPECIFICATIONS IS INTENDED.

EQUIPMENT AND MATERIAL STORAGE

IN ORDER TO PROVIDE FOR THE SAFETY OF THE TRAVELING PUBLIC THE CONTRACTORS ATTENTION IS DIRECTED TO 614.03. IN ADDITION THE FOLLOWING PROVISIONS SHALL APPLY:

- 1) STORED OR PARKED VEHICLES, MATERIALS, AND EQUIPMENT SHALL BE LOCATED BEHIND EXISTING PERMANENT GUARDRAIL OR NOT LESS THAN 30 FEET BEYOND THE TRAVELED WAY.
- 2) ANY REMOVED ITEMS SHALL NOT BE STORED ON THE RIGHT OF WAY FOR MORE THAN THIRTY DAYS.
- 3) ALL DISTURBED AREAS SHALL BE RETURNED TO THEIR ORIGINAL CONDITION AT NO EXPENSE TO THE STATE.

ITEM 202 - REMOVAL OF FOUNDATIONS AND SLABS

THIS WORK SHALL CONSIST OF THE REMOVAL OF EXISTING FOUNDATIONS AND CONCRETE SLABS (PICNIC TABLES, BULLETIN BOARDS, AND INFORMATION BOARDS) IN CONFORMANCE WITH THE PROVISIONS OF SEC. 202.

ITEM 202 - LIGHT POLE REMOVED

THIS ITEM SHALL CONSIST OF THE REMOVAL OF THE EXISTING LIGHT POLE AND LUMINAIRE. ITEMS REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR. PAYMENT SHALL BE MADE FOR EACH LIGHT POLE AND LUMINAIRE REMOVED.

ITEM 202 - DRILLED WELL, ABANDONED

THE EXISTING CONCRETE OR STONE SLAB WELL COVER AND PUMPING EQUIPMENT SHALL BE REMOVED AND DISPOSED OF. THE CASING SHALL BE CUT OFF AT LEAST ONE FOOT BELOW THE PROPOSED FINISHED GRADE OUTSIDE PROPOSED PAVEMENT AREAS OF AT LEAST ONE FOOT BELOW THE PROPOSED SUBGRADE ELEVATION INSIDE PROPOSED PAVEMENT AREAS. THE WELL*SHALL BE FILLED FROM BOTTOM *CASING TO TOP WITH CLEAN PUDDLED CLAY OR CONCRETE. THE ORIGINAl PUMP AND WELL PLATFORM DETAILS ARE SHOWN ON SHEETS 9-10 FOR INFORMATION ONLY. ALL MATERIALS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR.

THE UNIT PRICE BID PER EACH FOR ITEM 202, DRILLED WELL, SHALL INCLUDE PAYMENT FOR ALL LABOR, TOOLS, MATERIALS AND INCIDENTALS NECESSARY TO COMPLETE THIS ITEM.

THE FOLLOWING QUANTITY FOR ITEM 202, DRILLED WELL, ABANDONED HAS BEEN CARRIED TO THE GENERAL SUMMARY:

ITEM 202: DRILLED WELL, ABANDONED..... 2

PAVED SHOULDER EDGE DROP-OFF

PAVEMENT REMOVAL AND EXCAVATION AREAS LOCATED WITHIN 15 FEET OF THE OUTER EDGE OF THE PAVED SHOULDER SHALL BE FILLED WITH ITEM 203 EMBANKMENT MATERIAL NOT MORE THAN 24 HOURS AFTER THE CESSATION OF PAVEMENT REMOVAL AND EXCAVATION OPERATIONS. THESE PAVEMENT REMOVAL AND EXCAVATION AREAS SHALL BE RESTORED TO A CONDITION EQUIVALENT TO THAT EXISTING BEFORE THIS WORK COMMENCED, (SEE THE CROSS-SECTIONS, SHEETS 11-20).

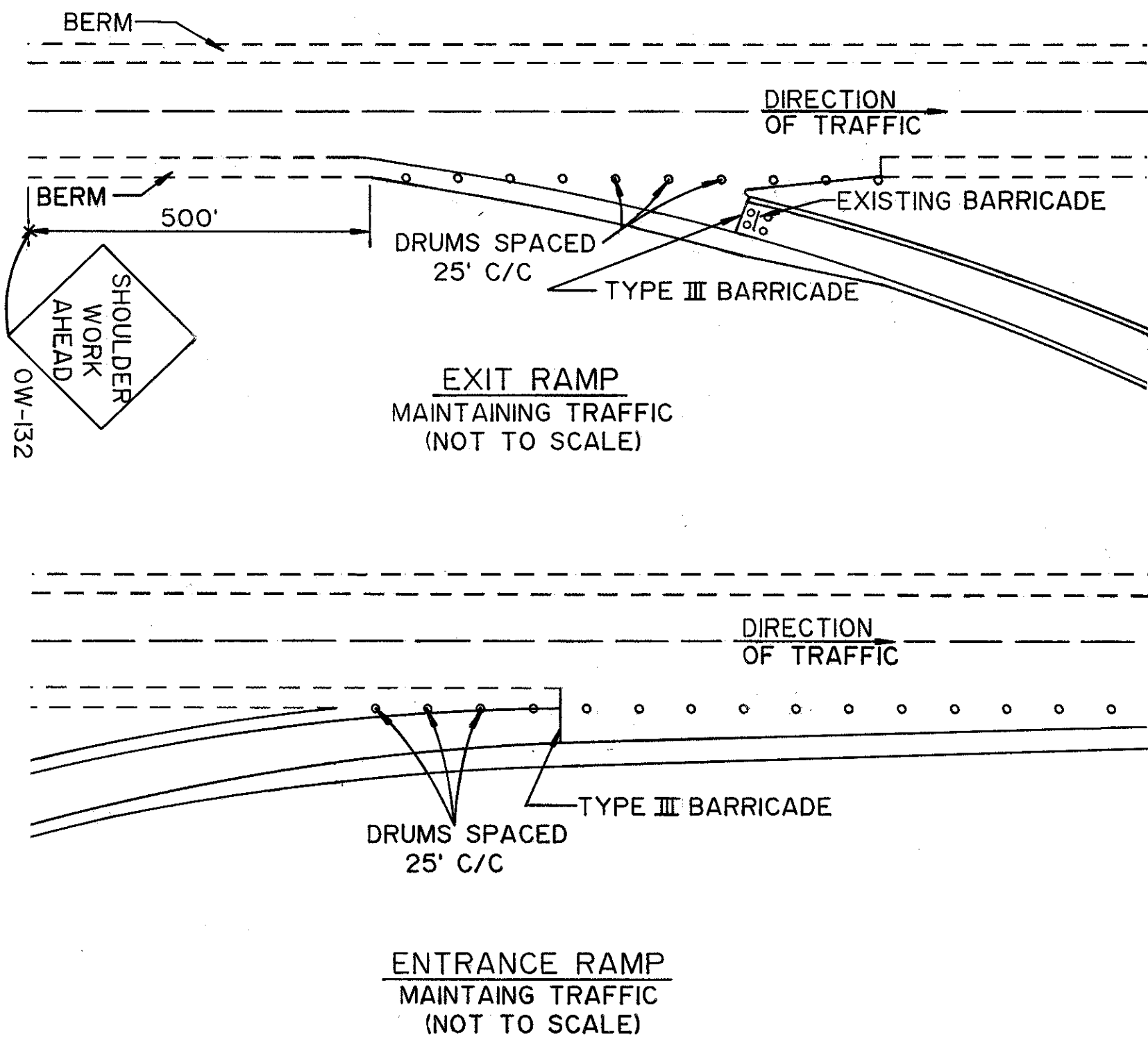
DUST CONTROL

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY TO BE USED AS DIRECTED BY THE ENGINEER FOR DUST CONTROL:

ITEM 616 - WATER..... 10 M.GAL.
ITEM 616 - CALCIUM CHLORIDE..... 1 TON

GENERAL PROVISIONS

- 1) THE GENERAL CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIALS (SIGNS,BARRICADES,ETC.)FOR CONTROL OF TRAFFIC DURING REST AREA REMOVAL.
- THE CONTRACTOR SHALL FURNISH, PLACE, AND SUBSEQUENTLY REMOVE ALL SIGNS AND OTHER TRAFFIC CONTROL DEVICES NECESSARY TO HAVE THE REST AREAS CLOSED DURING REMOVAL OPERATIONS. NO TRAFFIC CONTROL DEVICES SHALL BE REARRANGED OR ALTERED WITHOUT THE APPROVAL OF THE PROJECT ENGINEER.
- 2) TYPE III BARRICADES AND DRUMS SHALL BE IN ACCORDANCE WITH THE PERTINENT SECTIONS OF THE "OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES". ALL RAMP CLOSURES SHALL BE DELINEATED WITH DRUMS SPACED AT 25 FEET CENTER TO CENTER. TYPE III BARRICADES SHALL BE ERECTED ACROSS THE EXIT AND ENTRANCE RAMPS WITH SUFFICIENT STABILITY SO THAT WIND OR TRAFFIC AIR TURBULENCE WILL NOT REMOVE THEM.
- 3) FOR NIGHT-TIME USE, STEADY BURNING WARNING LIGHTS SHALL BE LOCATED AT THE TOPS OF ALL BARRICADES AND DRUMS.



NOTE: ANY EXISTING TRAFFIC CONTROL DEVICES (DRUMS, BARRICADES, ETC.) ARE PROPERTY OF THE STATE OF OHIO AND SHALL BE STORED ON THE PROJECT SITE BY THE CONTRACTOR TO BE PICKED UP BY STATE FORCES.

COMPUTATIONS AND SUB-SUMMARY

REF. NO.	SHEET NO.	LOCATION	STATION TO STATION	202	202	202	202	202	202
				CURB REMOVED	GUARDRAIL REMOVED	WALK REMOVED	STEPS REMOVED	CATCH BASIN OR INLET ABANDONED	CONCRETE TRAFFIC ISLAND REMOVED
				LN.FT.	LN.FT.	SQ.FT.	LUMP	EACH	SQ.YDS.
R-4	6	RAMP A	4+57.73 TO 5+47.73	206					
R-3	7	REST AREA	76+07.65 TO 80+99.46	1861					
R-24	7	RAMP B	1+58.64 TO 8+50.90	692					
R-22	8	RAMP C	10+17.73 TO 11+17.73	206					
R-1	8	REST AREA	90+58.19 TO 96+50.00	1861					
R-20	7	RAMP D	2+44.68 TO 9+36.79	692					
R-21	7	RAMP B	0+25.00 TO 1+50.00		125				
R-17	8	RAMP C	11+75.00 TO 15+75.00		400				
R-28	7	RAMP D	0+25.00 TO 5+25.00		500				
R-5	7	REST AREA	76+75.00 TO 80+59.00			1920			
R-10	7	REST AREA	77+50.00			150	LUMP		
R-14	7	REST AREA	79+65.00			580	LUMP		
R-2	8	REST AREA	90+98.65 TO 94+82.65			1920			
R-7	8	REST AREA	92+12.65			580	LUMP		
R-12	8	REST AREA	93+62.65			150	LUMP		
R-4	7	REST AREA	76+30.00						
R-6	7	REST AREA	76+87.00						
R-17	7	REST AREA	80+19.00						
R-19	7	REST AREA	80+75.00						
R-27	7	REST AREA	85+10.00						
R-3	8	REST AREA	90+98.65						
R-5	8	REST AREA	91+38.65						
R-10	8	REST AREA	92+79.82						
R-5	6	E.B.	70+89.88 TO 71+29.88						35.5
R-21	8	W.B.	100+91.84 TO 101+31.84						35.5
TOTAL				5518	1025	5300	LUMP	8	71

SHEET NO.	SIDE	STATION TO STATION	605
			6" SHALLOW PIPE UNDERDRAINS
			LN.FT.
6	E.B.	65+82 TO 71+00	518.0
7-8	E.B.	85+00 TO 96+28.5	1133.5
7	W.B.	74+44 TO 86+00	1158.5
8	W.B.	100+19 TO 106+50	633.5
TOTAL			3443.5

SHEET NO.	EXCAVATION NOT INCLUDING EMBANKMENT CONSTRUCTION	203	203	659
		CU.YD.	CU.YD.	SQ.YD.
11		249	569	1716
12		117	690	1757
13		39	2090	4584
14		431	1035	3101
15		309	421	1256
16		283	360	1091
17		446	995	3020
18		65	2206	3562
19		65	1875	3140
20		310	742	2207
TOTAL		2314	10983	25434

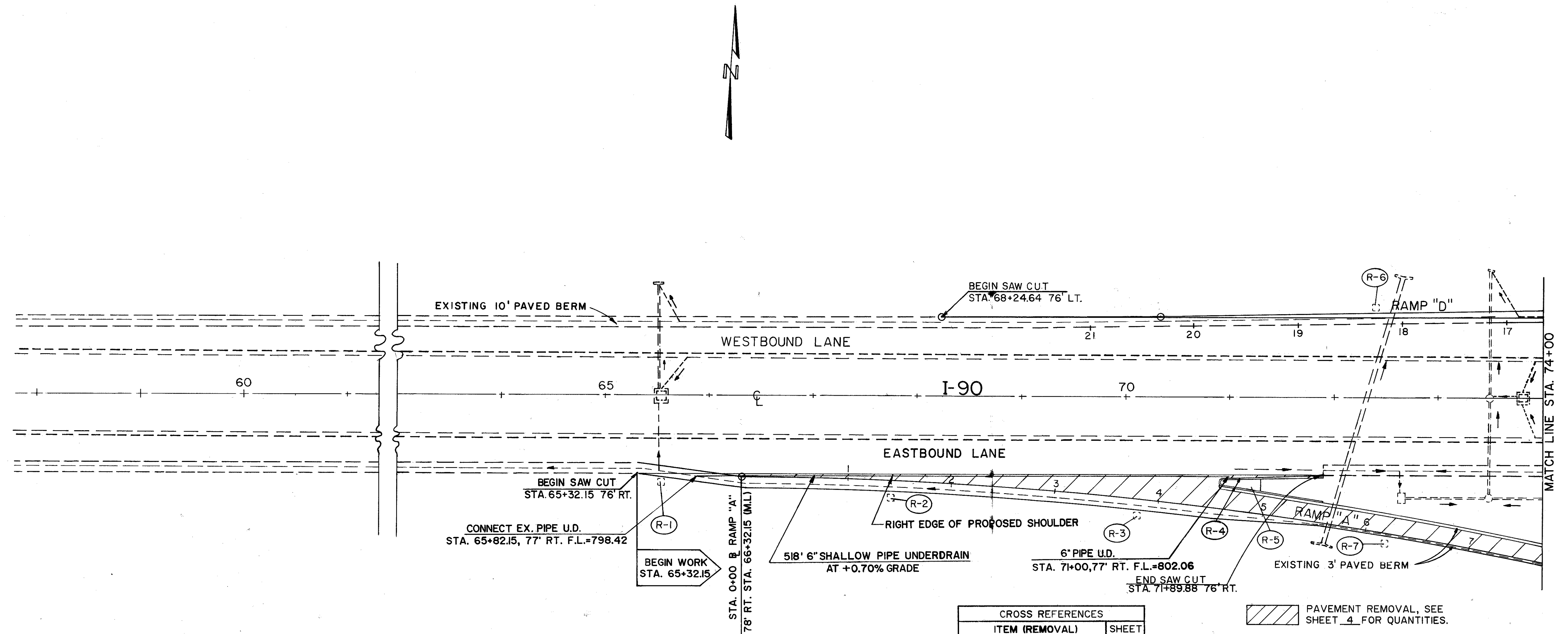
REF. NO.	SHEET NO.	STATION	SIDE	OFFSET (FT.)	202	
					LIGHT POLE AND LUMINAIRE REMOVED	LIGHT POLE FOUNDATION REMOVED 3'X4'
				LT. RT.	EACH	EACH
R-1	6	65+54	E.B.	85		
R-2	6	67+70	E.B.	100		
R-3	6	70+09	E.B.	115		
R-6	6	72+40	W.B.	89		
R-7	6	72+46	E.B.	142		
R-1	7	74+76	W.B.	96		
R-2	7	74+83	E.B.	183		
R-7	7	77+10	E.B.	207		
R-8	7	77+10	E.B.	355		
R-9	7	77+45	W.B.	95		
R-11	7	78+50	E.B.	207		
R-12	7	78+50	E.B.	355		
R-13	7	79+70	W.B.	100		
R-15	7	79+90	E.B.	207		
R-16	7	79+90	E.B.	355		
R-18	7	80+75	E.B.	355		
R-22	7	82+00	W.B.	108		
R-23	7	82+45	E.B.	155		
R-25	7	84+60	W.B.	115		
R-26	7	84+90	E.B.	120		
R-29	7	86+85	W.B.	130		
R-30	7	87+40	E.B.	110		
R-31	7	89+90	E.B.	105		
R-4	8	91+40	W.B.	355		
R-6	8	91+65	W.B.	226		
R-8	8	92+40	E.B.	100		
R-9	8	92+55	W.B.	355		
R-11	8	93+17	W.B.	226		
R-13	8	93+75	W.B.	355		
R-14	8	94+45	W.B.	226		
R-15	8	94+90	E.B.	95		
R-16	8	94+96	W.B.	355		
R-18	8	97+50	W.B.	185		
R-19	8	99+87	E.B.	85		
R-20	8	99+90	W.B.	124		
R-23	8	102+40	W.B.	110		
R-24	8	104+90	W.B.	95		
TOTAL					14	37

ITEM 202 - CONCRETE SLAB REMOVED					
SHEET NO.	LOCATION	STATION	OFFSET FT.	DESCRIPTION	QUANTITY S.Y.
7	E.B.			PICNIC TABLE 7'X8'	124.4
7	E.B.	78+77	272 RT.	BULLETIN BOARD 20'X10'	22.2
7	E.B.	79+30	267 RT.	TELEPHONE BOOTH 10'X8'	8.9
8	W.B.			PICNIC TABLE 7'X8'	112.0
8	W.B.	92+95	282 LT.	BULLETIN BOARD 15'X10'	16.7
8	W.B.	93+30	282 LT.	TELEPHONE BOOTH 10'X8'	8.9
TOTAL					293.1

SHEET NO.	LOCATION	STATION TO STATION	PAVEMENT WIDTH	202
				PAVEMENT REMOVED
			LN.FT.	SQ.YD.
6	I-90	66+15.48 - 66+32.15	VAR.	1.9
6	RAMP A	0+00 - 2+00	2 - 11	130.0
6	RAMP A	2+00 - 4+00	11 - 22	359.5
6	RAMP A	4+00 - 6+00	VAR.	487.3
6-7	RAMP A	6+00 - 8+00	16	355.6
7	RAMP A	8+00 - 9+83.60	16	326.4
7	REST AREA	76+7.65 - 78+00	VAR.	1519.7
7	REST AREA	78+00 - 80+00	36 - 40	1688.9
7	REST AREA	80+00 - 80+99.46	VAR.	545.1
7	RAMP B	0+00 - 2+00	16	355.6
7	RAMP B	2+00 - 4+00	16	355.6
7	RAMP B	4+00 - 6+00	16	354.7
7	RAMP B	6+00 - 8+00	14 - 16	333.5
7-8	RAMP B	8+00 - 10+00	VAR.	287.4
8	RAMP B	10+00 - 12+00	7 - 11	200.4
8	RAMP B	12+00 - 14+00	3 - 7	111.6
8	RAMP B	14+00 - 16+33.45	VAR.	38.9
8	I-90	105+49.57 - 106+16.67	VAR.	7.5
8	RAMP C	6+00 - 8+00	2 - 14	180.1
8	RAMP C	8+00 - 10+00	14 - 26	444.2
8	RAMP C	10+00 - 12+00	VAR.	409.9
8	RAMP C	12+00 - 14+00	16	355.6
8	RAMP C	14+00 - 16+00	16	355.6
8	RAMP C	16+00 - 16+09.41	16	16.7
8	REST AREA	90+58.19 - 92+50.54	VAR.	1389.5
8	REST AREA	92+50.54 - 94+50.54	36 - 40	1688.9
8	REST AREA	94+50.54 - 95+50	VAR.	675.2
7-8	RAMP D	0+00 - 2+00	16	355.6
7	RAMP D	2+00 - 4+00	16	355.6
7	RAMP D	4+00 - 6+00	16	355.6
7	RAMP D	6+00 - 8+00	15 - 16	345.7
7	RAMP D	8+00 - 10+00	13 - 15	313.6
7	RAMP D	10+00 - 12+00	9 - 13	238.7
7	RAMP D	12+00 - 14+00	5 - 9	149.8
7	RAMP D	14+00 - 16+00	2 - 5	60.9
6-7	RAMP D	16+00 - 17+19.29	VAR.	13.3
TOTAL				15164.1

CALC. BY _____ DATE: _____	LAKE COUNTY LAK-90-28.29	OHIO FHWA REGION 5	
CHKD BY _____ DATE: _____		FEDERAL PROJECT	

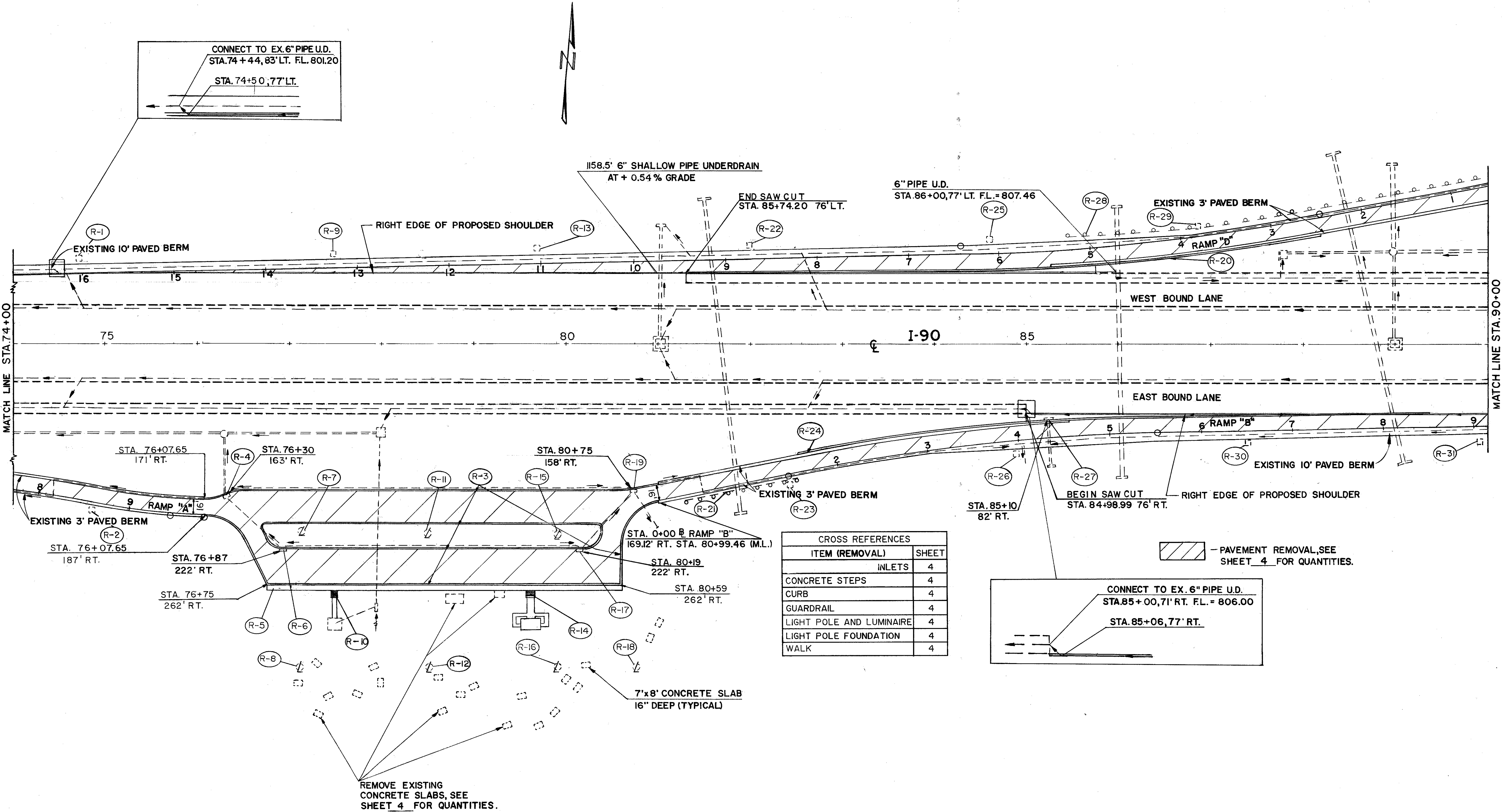
GENERAL SUMMARY



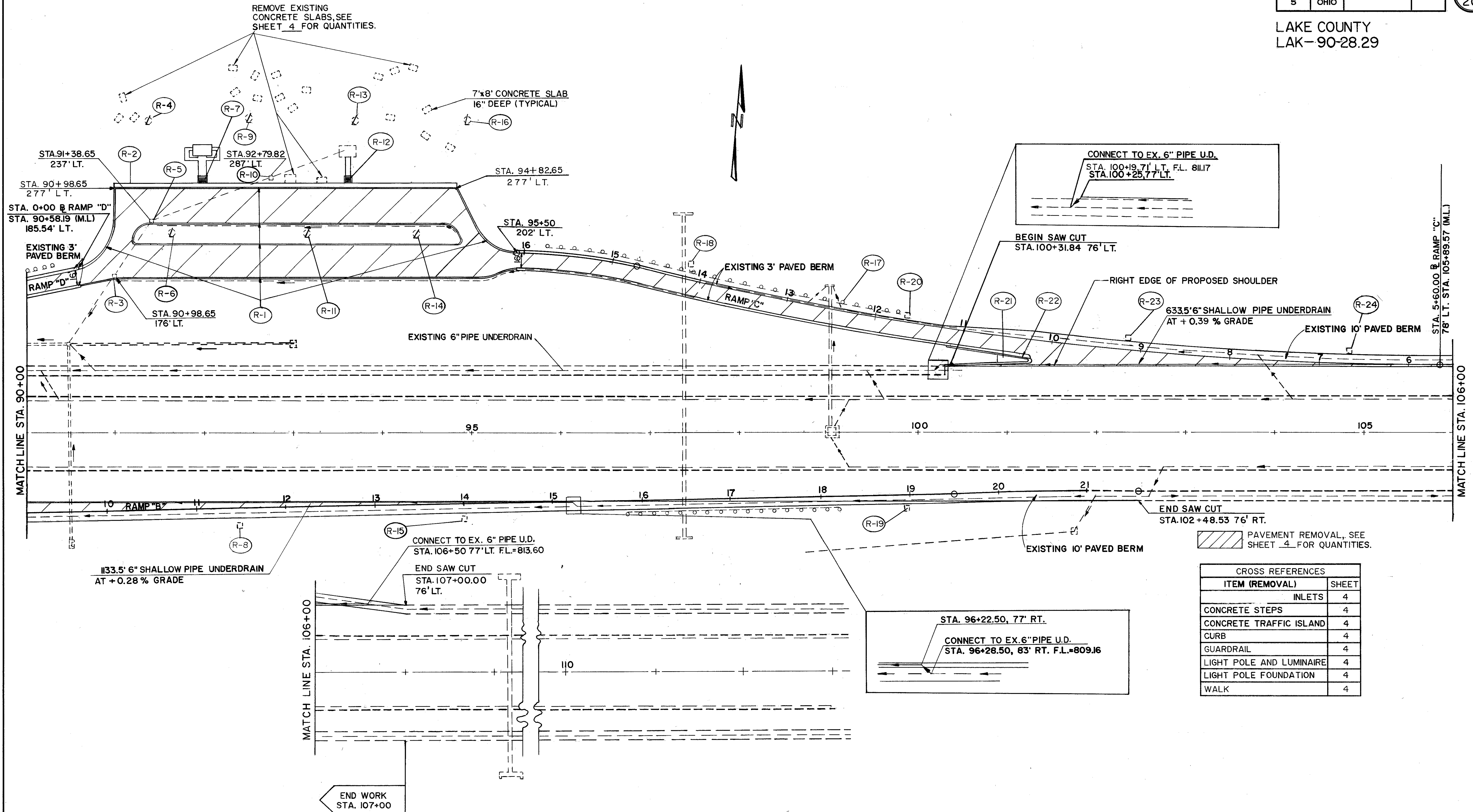
CROSS REFERENCES	
ITEM (REMOVAL)	SHEET
CONCRETE TRAFFIC ISLAND	4
CURB	4
LIGHT POLE FOUNDATION	4

PAVEMENT REMOVAL, SEE SHEET 4 FOR QUANTITIES.

LAKE COUNTY
LAK - 90-28.29



LAKE COUNTY
LAK-90-28.29



LAKE COUNTY
LAK-90-28.29

BILL OF MATERIAL

- 1 HAND DRINKING FOUNTAIN TYPE PUMP (INCLUDING PUMP CYLINDER).
- 1 CU. YD. CLASS "C" CONCRETE
- AGGREGATE SHALL CONFORM TO 1-22 GRADING "C" OR "D".
- 1 12" X 12" X 6" CAST IRON DRAIN
- 2 3/4" Ø X 1' 9" REINFORCING STEEL
- 2 3/4" Ø X 4' 0" REINFORCING STEEL
- 5 3/4" Ø X 6' 0" REINFORCING STEEL
- 3 3/4" Ø X 6' 10" REINFORCING STEEL

NOTES

THE LOCATION OF 4" STORM SEWER SHALL BE FURNISHED ON REST AREA PLAN.

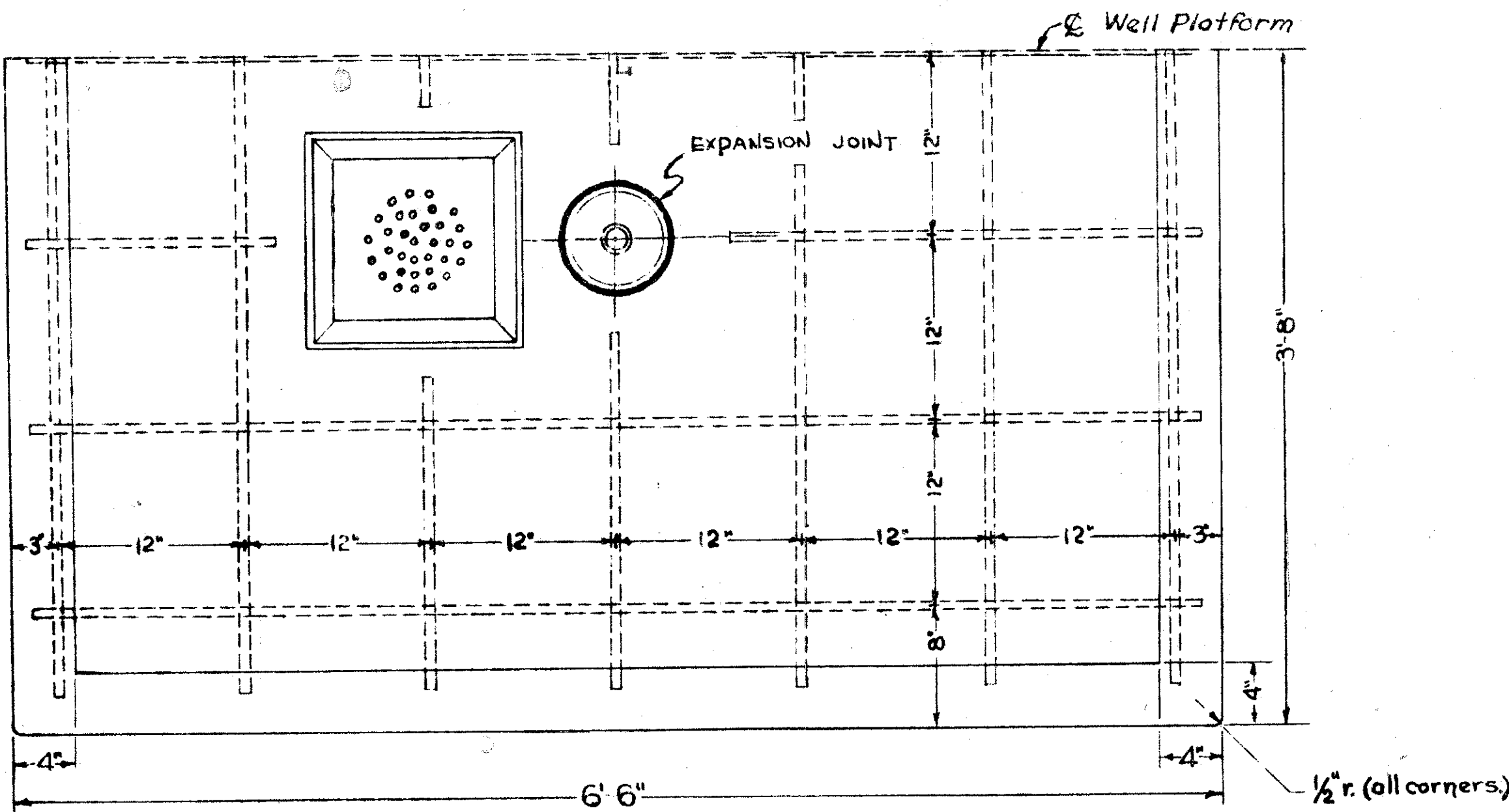
FLOOR SLAB MAY BE POURED INTEGRAL WITH THE WELL SHELTER FOOTER. (SEE DETAILED DRAWING OF WELL SHELTER.)

HAND DRINKING FOUNTAIN TYPE PUMP SHALL BE MODEL I-H F AS MANUFACTURED BY BAKER MANUFACTURING COMPANY, EVANSVILLE, WISCONSIN OR AN APPROVED EQUAL.

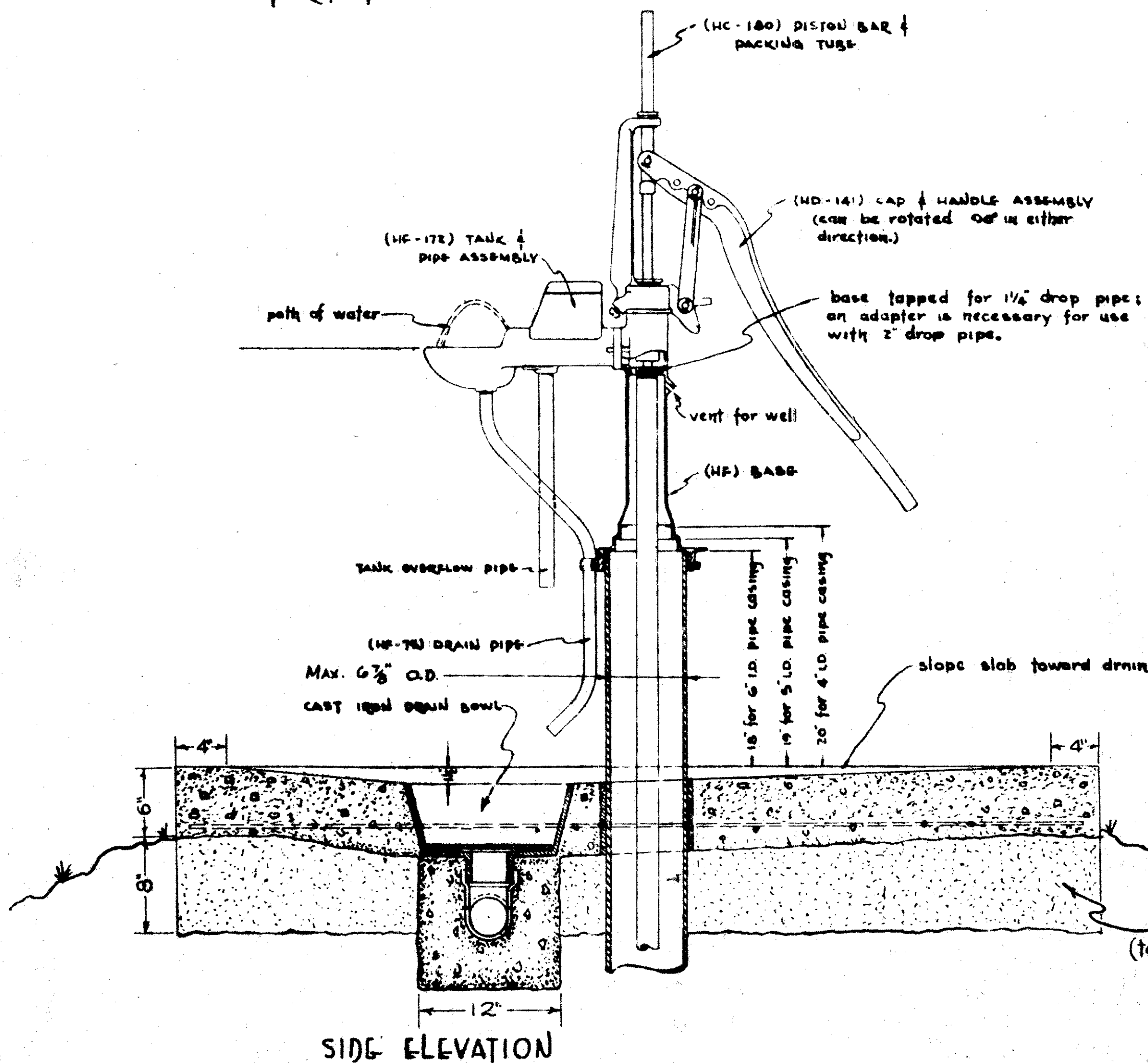
PUMP CYLINDER SHALL BE BRASS BODY CYLINDER OR BRASS LINED. THE CYLINDER PLUNGER TO HAVE CAST IRON CAGE, BRASS FOLLOWER AND VALVE SEAT. IT SHALL HAVE BRASS POPPET WING VALVE WITH RUBBER FACING AND STEEL STEM.

THE FOLLOWING CYLINDER SIZES ARE RECOMMENDED FOR WELLS OF VARYING DEPTHS:

SIZE OF CYLINDER		MAXIMUM DEPTH OF SETTING
INSIDE DIAMETER	OVER-ALL LENGTH	
2"	10"	200'
2-1/4"	10"	175'
2-1/2"	10"	150'
3"	10"	75'



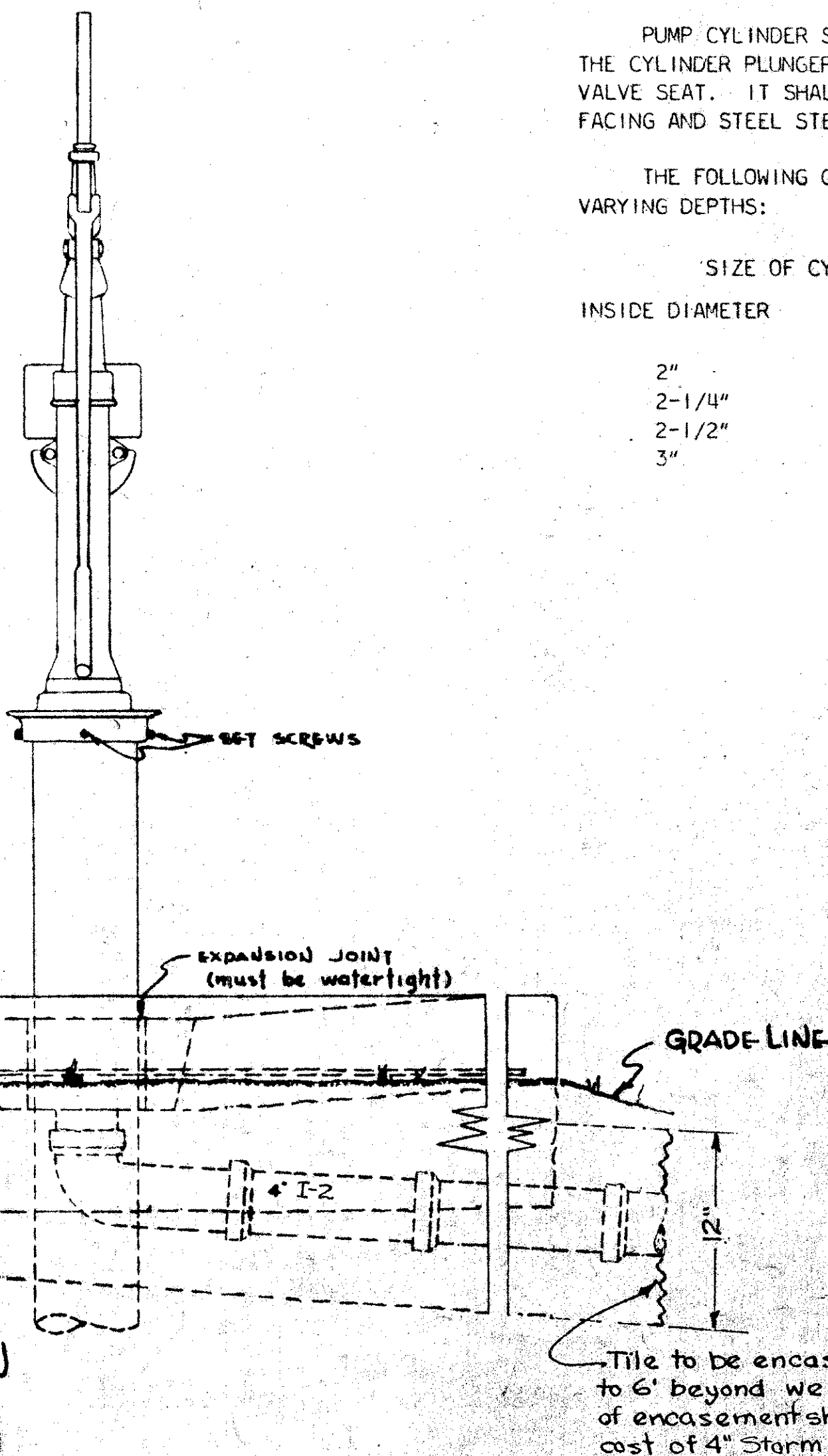
PART-PLAN



SIDE ELEVATION

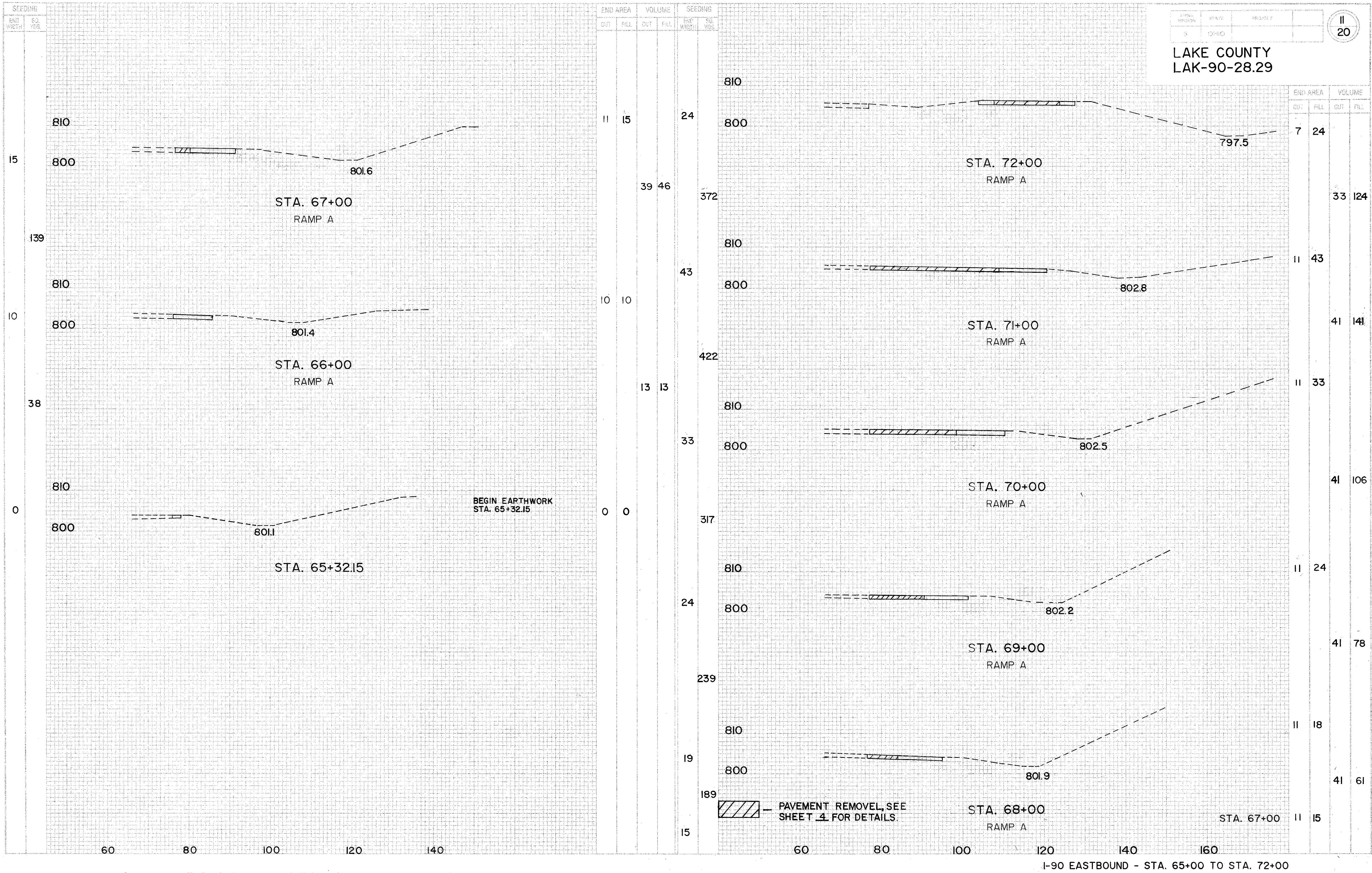
Refer to Park Plans for Floor Elevation

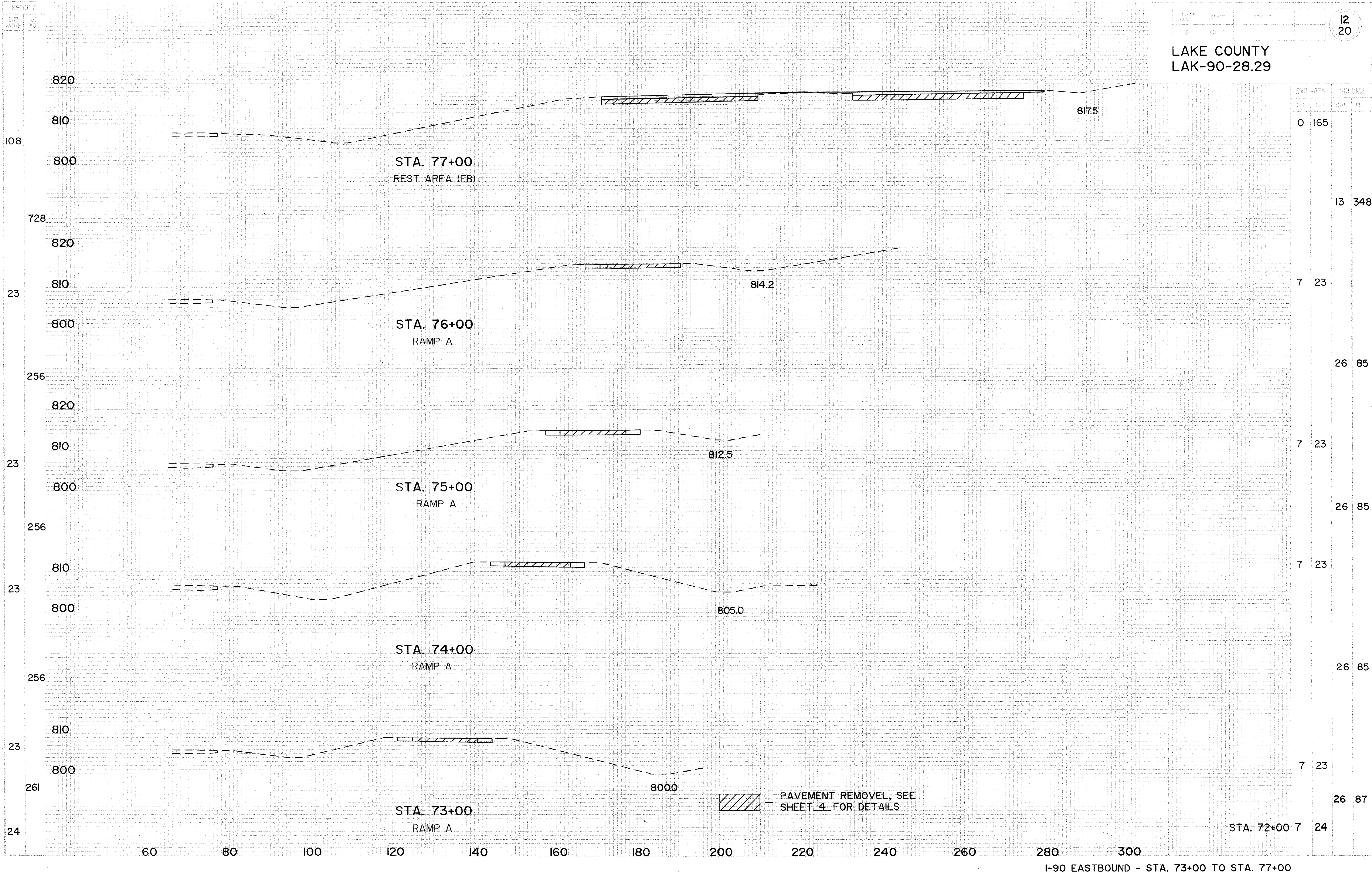
GRAVEL FILL (tamped in place)

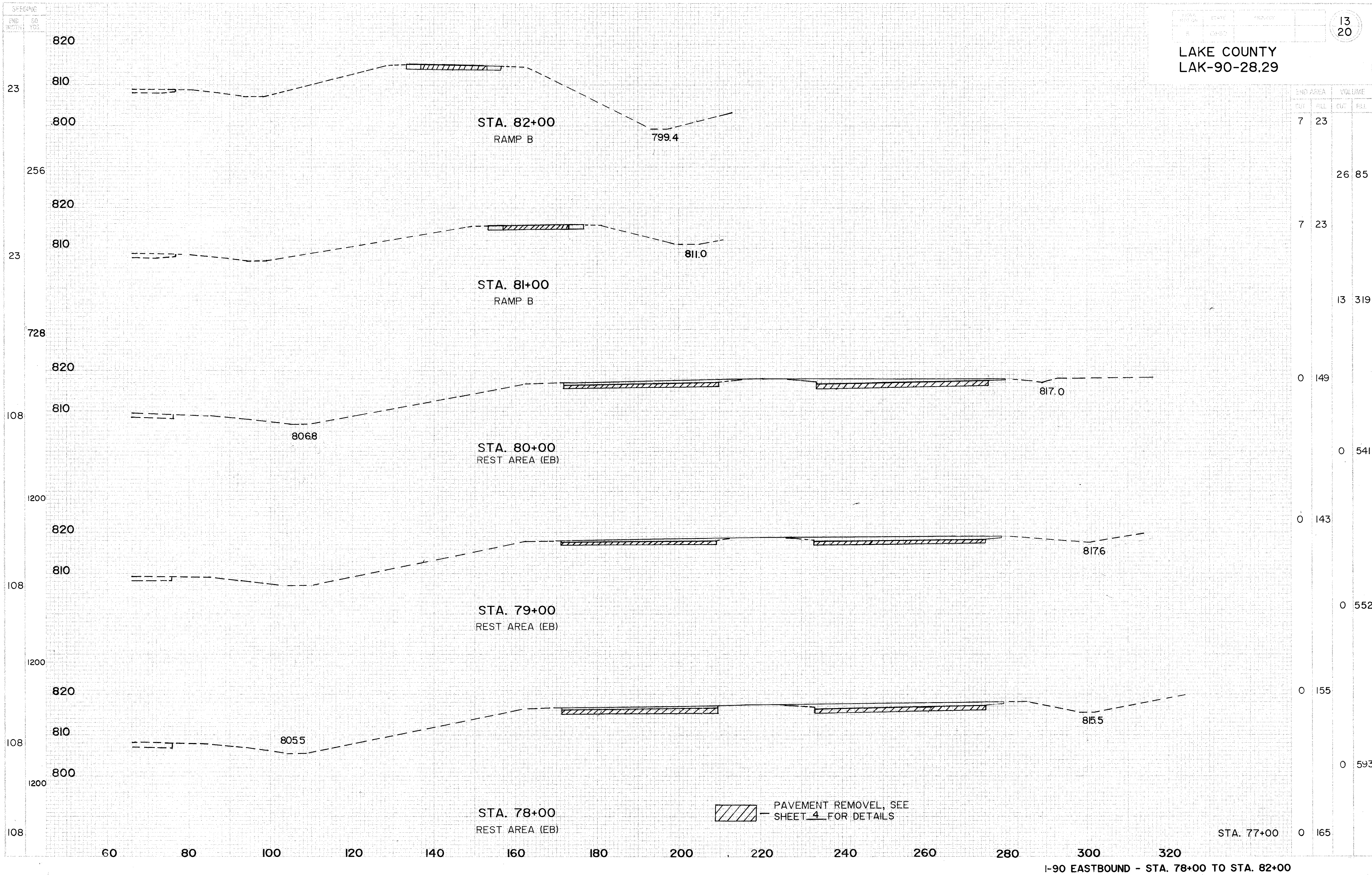


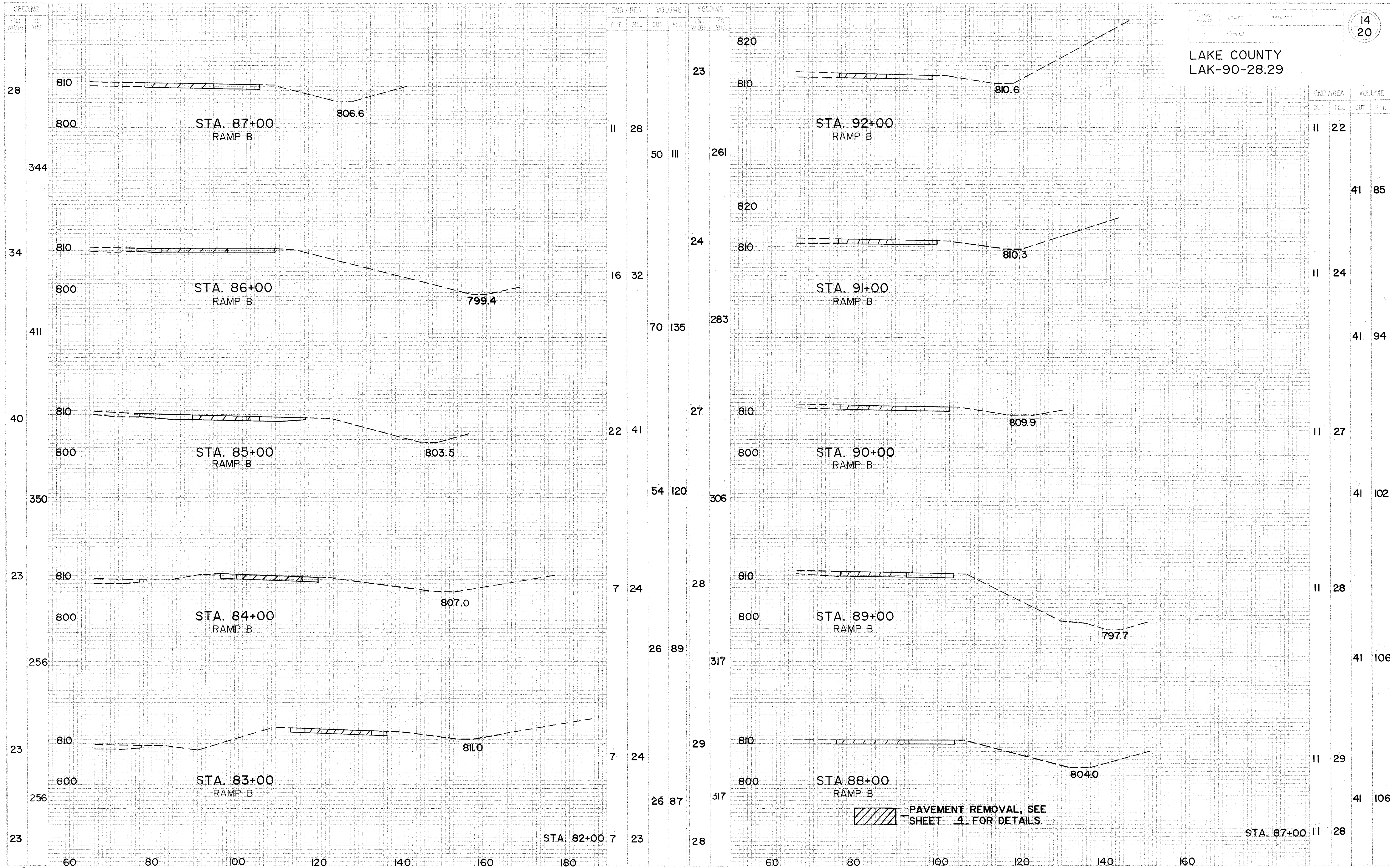
REAR ELEVATION

- ITEM 202-DRILLED WELL; ABANDONED
- PROPOSED WORK
1. REMOVE EXISTING PUMP.
 2. REMOVE EXISTING STRUCTURE TO A MINIMUM OF ONE FOOT BELOW EXISTING GROUND SURFACE.

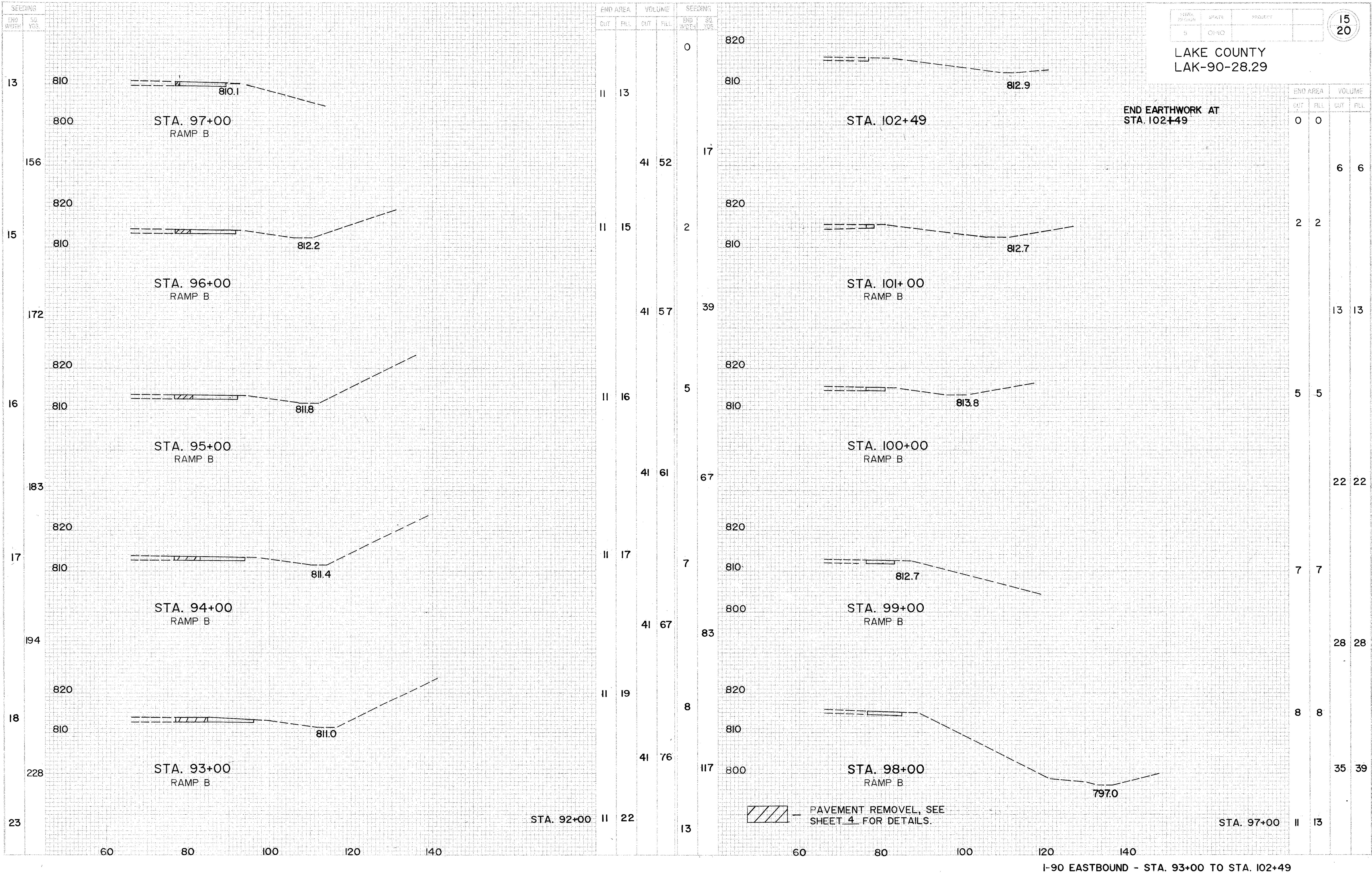








LAKE COUNTY
LAK-90-28.29



SEEDING
END
WIDTH
YDS

11

8

78

6

44

2

19

0

810

800

790

793.8

STA. 73+00
RAMP D

810

800

798.0

STA. 72+00
RAMP D

810

800

803.3

STA. 71+00
RAMP D

810

800

803.0

STA. 70+00
RAMP D

810

800

802.6

STA. 68+25

BEGIN EARTHWORK
STA. 68+25

140

120

100

80

60

END AREA
CUT FILL

10 10

33 33

8 8

26 26

6 6

15 15

2 2

6 6

0 0

VOLUME
CUT FILL

21

222

19

194

16

161

13

139

12

128

11

SEEDING
END
WIDTH
YDS

21

222

19

194

16

161

13

139

12

128

11

810

800

805.6

STA. 78+00
RAMP D

810

800

805.3

STA. 77+00
RAMP D

810

800

805.0

STA. 76+00
RAMP D

810

800

804.6

STA. 75+00
RAMP D

810

800

801.0

STA. 74+00
RAMP D

STA. 73+00

PAVEMENT REMOVAL, SEE
SHEET 4 FOR DETAILS.

LAKE COUNTY
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16
20

END AREA
CUT FILL

11 21

41 74

11 19

41 65

11 16

41 54

11 13

41 46

11 12

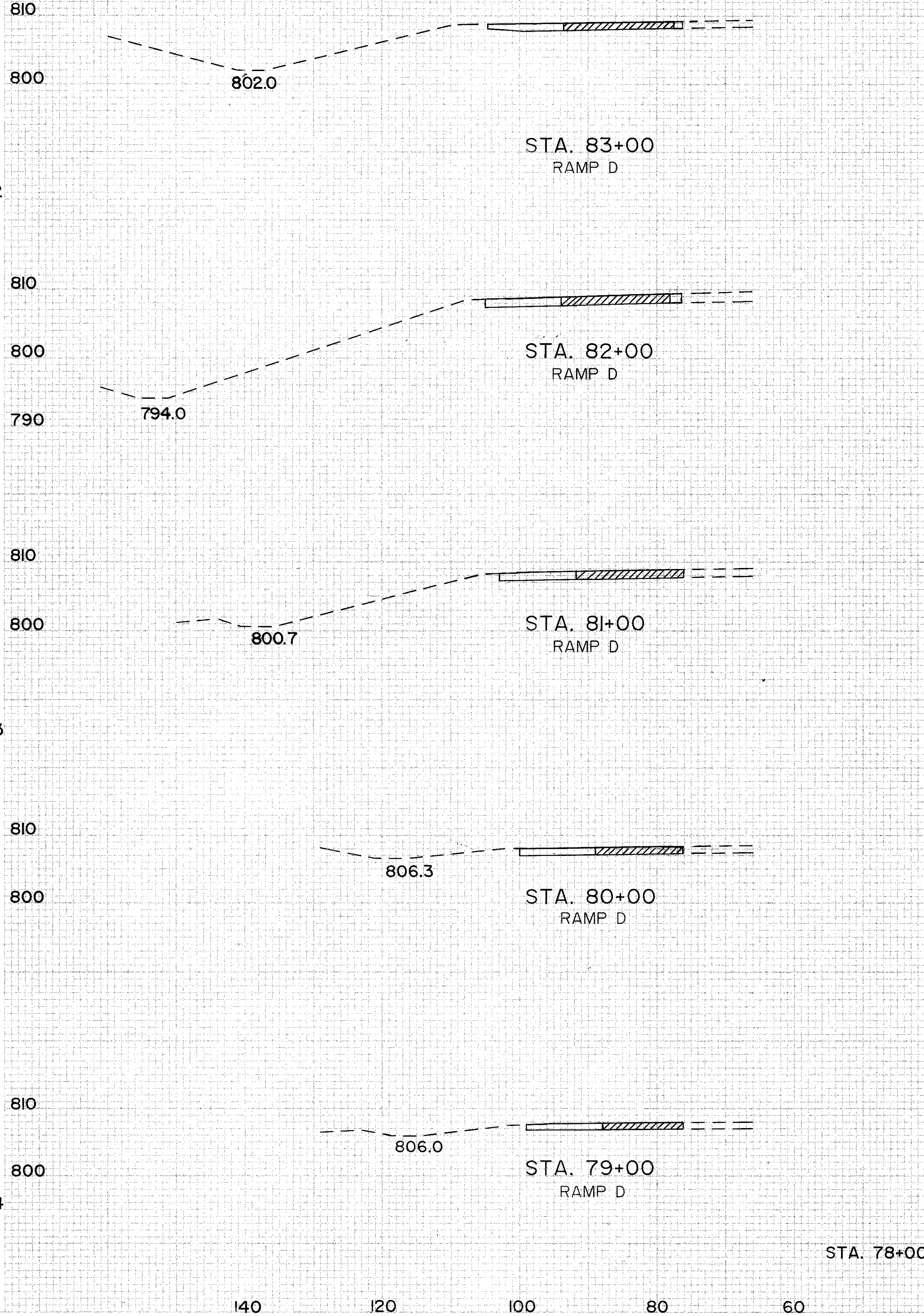
39 41

10 10

I-90 WESTBOUND - STA. 68+25 TO STA. 78+00

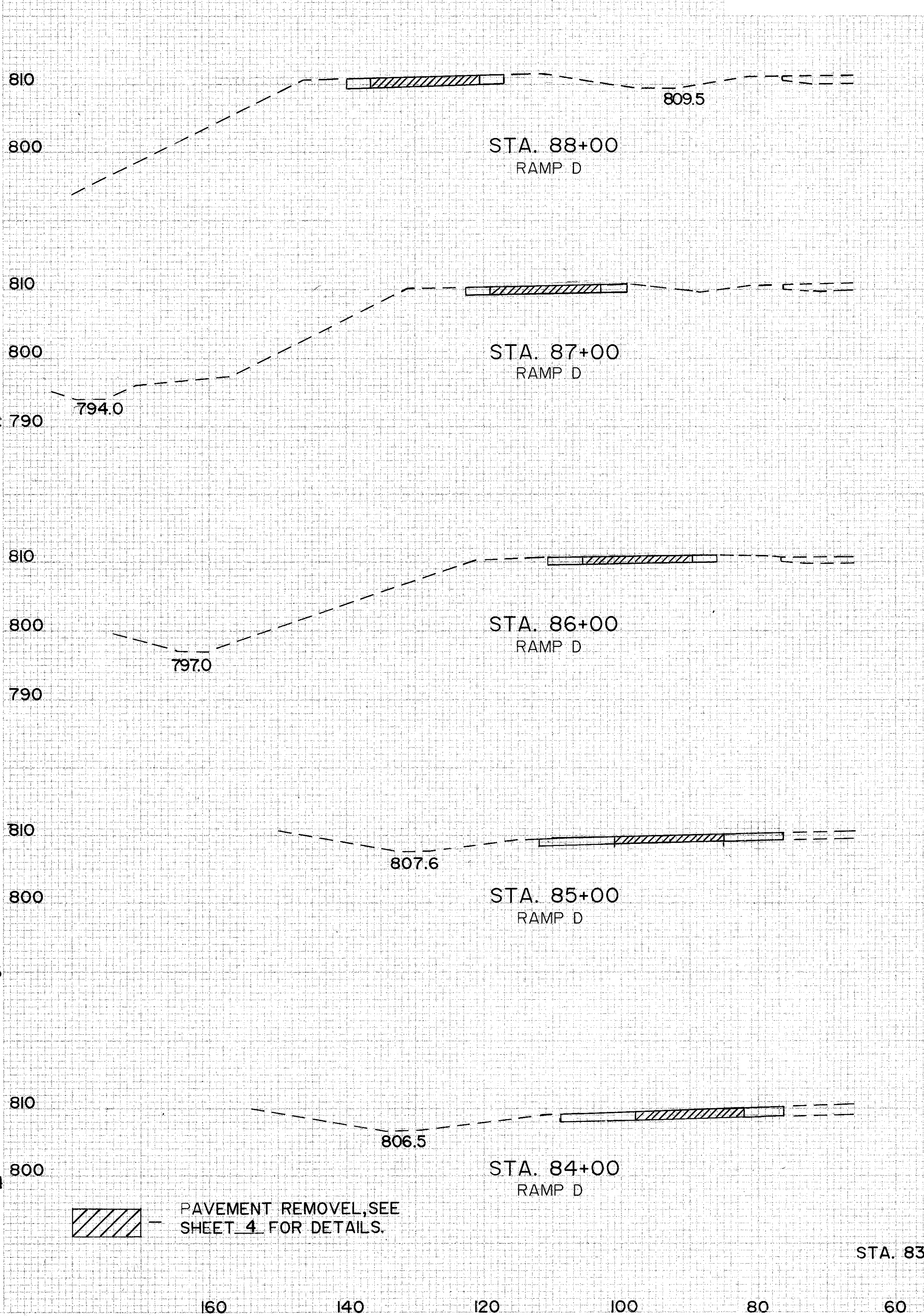
SEEDING
END
WIDTH
33
YDS.

29
322
29
311
27
283
24
261
23
244
21



END AREA		VOLUME		SEEDING	
CUT	FILL	CUT	FILL	END WIDTH 33 YDS.	33 YDS.
12	29			23	
	46	107			
13	29			24	
	44	104			
11	27			25	
	41	94			
11	24			36	
	41	87			
11	23			33	
	41	81			
11	21			29	

23
261
272
339
383
344



END AREA		VOLUME	
CUT	FILL	CUT	FILL
7	23		
	28	85	
8	23		
	30	87	
8	24		
	52	111	
20	36		
	69	126	
17	32		
	54	113	
12	29		

LAKE COUNTY
LAK-90-28.29

17
20

PAVEMENT REMOVAL, SEE
SHEET 4 FOR DETAILS.

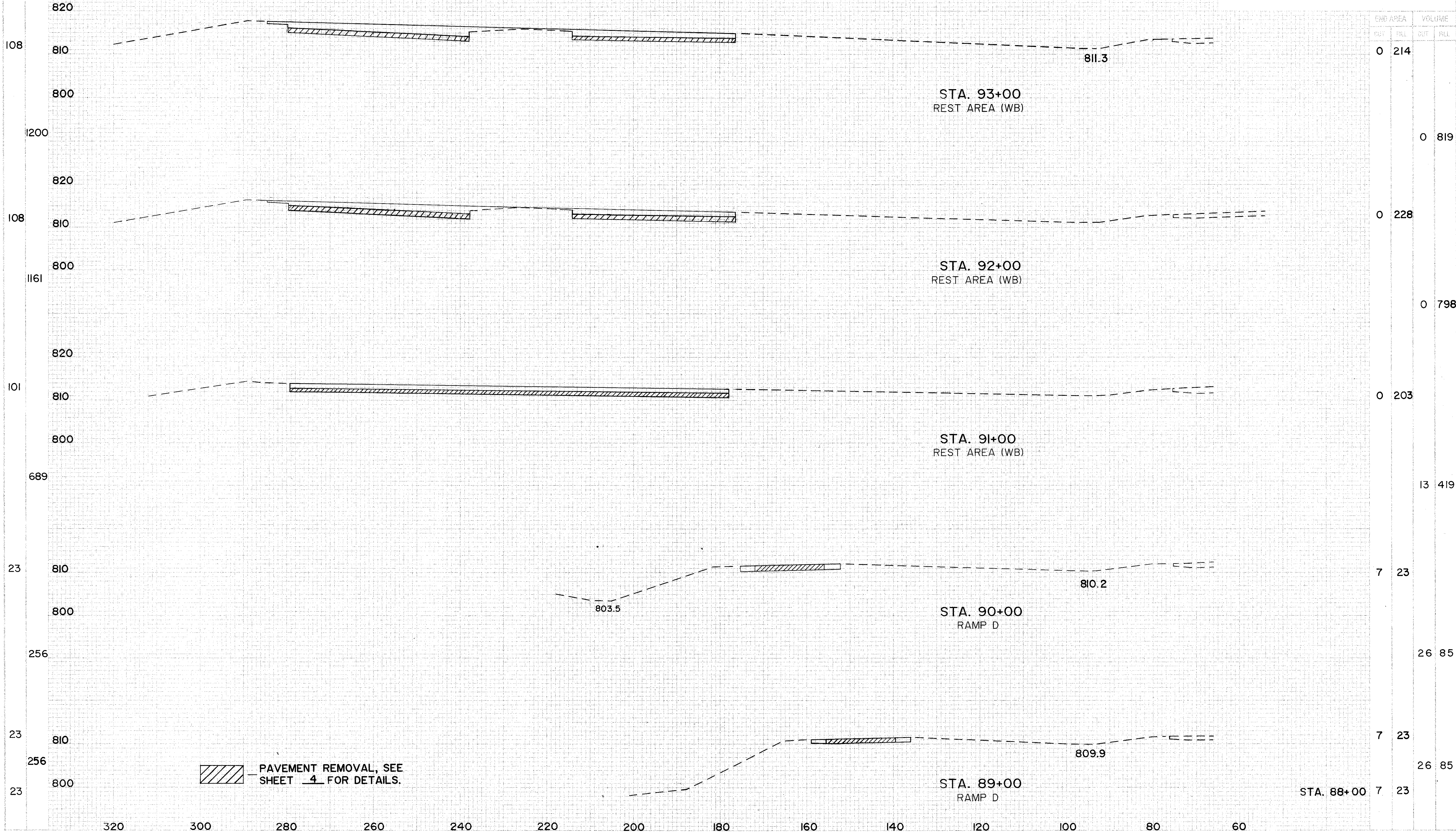
I-90 WESTBOUND - STA. 79+00 TO STA. 88+00

SEEKING
END
WIDTH
SQ.
YDS.

AREA	STATE	PROJECT
15	OHIO	

18
20

LAKE COUNTY
LAK-90-28.29



I-90 WESTBOUND - STA. 89+00 TO STA. 93+00

