MINNESOTA DEPARTMENT OF TRANSPORTATION

THE COUNTY OF OLMSTED

CONSTRUCTION PLAN FOR CONCRETE SURFACING

LOCATED ON C.S.A.H. 9 **BETWEEN** T.H. NO. 42, 1 MI. W. AND 1.5 MI. N. OF EYOTA **AND** C.S.A.H. 10 **(GEOGRAPHIC DESCRIPTION)**

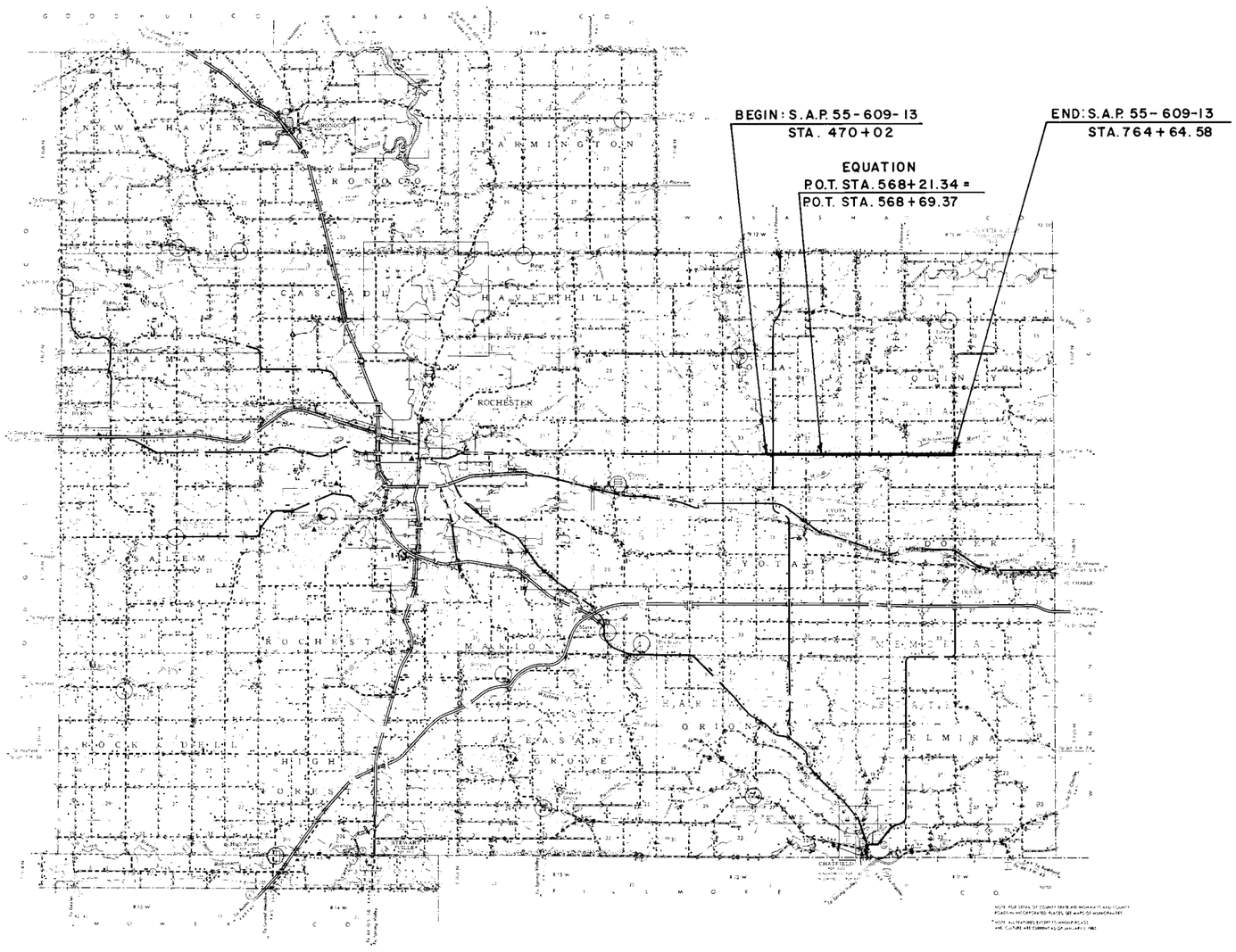
FROM 464' W. OF SW. COR. OF S.E. 1/4 SEC. 34 T. 107 N. R. 12 W. **TO** 12' W. OF SEC. COR. 33 T. 107 N. – R. 11 W. **(LEGAL DESCRIPTION)**

STATE PROJ. NO. .....

GROSS LENGTH	29,414.55	FEET 5.571	MILES
BRIDGES-LENGTH	0.00	FEET 0.000	MILES
EXCEPTIONS-LENGTH	0.00	FEET 0.000	MILES
NET LENGTH	29,414.55	FEET 5.571	MILES

STATE PROJ. NO. .....

GROSS LENGTH	FEET	MILES
BRIDGES-LENGTH	FEET	MILES
EXCEPTIONS-LENGTH	FEET	MILES
NET LENGTH	FEET	MILES



PLANS SYMBOLS

STATE LINE
COUNTY LINE
TOWNSHIP OR RANGE LINE
SECTION LINE
QUARTER LINE
SIXTEENTH LINE
RIGHT OF WAY LINE
PRESENT RIGHT OF WAY LINE
CONTROL OF ACCESS LINE
PROPERTY LINE (Fenced and Unfenced)
PLATTED PROPERTY
CORPORATE OR CITY LIMITS
TRUNK HIGHWAY CENTER LINE
RETAINING WALL
RAILROAD
RAILROAD RIGHT OF WAY LINE
RIVER OR CREEK
DRY RUN
DRAINAGE DITCH
DRAIN TILE
CULVERT
DROP INLET
GUARD RAIL
BARBED WIRE FENCE
WOVEN WIRE FENCE
CHAIN LINK FENCE
RAILROAD SNOW FENCE
STONE WALL OR FENCE
HEDGE
RAILROAD CROSSING SIGN
RAILROAD CROSSING BELL
ELECTRIC WARNING SIGN
CROSSING GATE
MEANDER CORNER
SPRINGS
MARSH
TIMBER
ORCHARD
BRUSH
NURSERY
CATCH BASIN
FIRE HYDRANT
CATTLE GUARD
OVERPASS (Highway Over)
UNDERPASS (Highway Under)
BRIDGE
BUILDING (One Story Frame)
F. FRAME C. CONCRETE
S. STONE T. TILE
B. BRICK ST. STUCCO
IRON PIPE OR ROD
MONUMENT (STONE CONCRETE OR METAL)
WOODEN PILE
GRAVEL PIT
SAND PIT
BORROW PIT
ROCK QUARRY
SLOPE EASEMENT

UTILITIES SYMBOLS

POWER POLE LINE
TELEPHONE OR TELEGRAPH POLE LINE
JOINT TELEPHONE AND POWER ON POWER POLES
ON TELEPHONE POLES
ANCHOR
STEEL TOWER
STREET LIGHT
PEDESTAL TELEPHONE CABLE TERMINAL
GAS MAIN
WATER MAIN
CONDUIT
TELEPHONE CABLE IN CONDUIT
ELECTRICAL CABLE IN CONDUIT
TELEPHONE MANHOLE
ELECTRIC MANHOLE
BURIED TELEPHONE CABLE
BURIED ELECTRICAL CABLE
AERIAL TELEPHONE CABLE
SEWER (SANITARY OR STORM)
SEWER MANHOLE

SCALES

PLAN ..... 0 100'
PROFILE ..... 0 100' HORIZ. & 0-10' VERT.
INDEX MAP ..... 0 10,560'
CROSS SECTIONS ..... 0 10' HORIZ. & VERT.

ALBINSON MPLS 55405
72065

MINN. PROJ. NO. .....

GOVERNING SPECIFICATIONS

THE 1988 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION" AS AMENDED BY THE JANUARY 2, 1991, SUPPLEMENTAL SPECIFICATIONS SHALL GOVERN.

INDEX

SHEET NO. 1 TITLE SHEET AND LAYOUT MAP

SHEET NO. 2 ESTIMATE OF QUANTITIES & DETAIL DRAWINGS

SHEET NO. 3-6 DETAIL DRAWINGS & TYPICAL SECTIONS

SHEET NO. 7 TRAFFIC CONTROL PLAN

SHEET NO. 8-19 PLAN AND PROFILE

DESIGN DESIGNATION

R .....
EN18(20)
ADT (Current Year) = 1031 (1994)
ADT (Future Year) = 1856 (2014)
DHV (Design Hr. Vol.) = ...
D (Directional Distr.) = ... %
T (Heavy Commercial) = 4 %
SOIL FACTOR 130
10 TON DESIGN
SHOULDER WIDTH 8'
Design Speed 55 MPH
Based on Stopping Sight Distance
Height of eye 3.5' Height of object 0.5'
Design Speed not achieved at:
STA. TO STA. MPH
STA. TO STA. MPH
STA. TO STA. MPH
K: 150 TST-46 (TWO WAY)
FUNCTIONAL CLASSIFICATION: MAJOR COLLECTOR

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

DATE 2/23/94 REG. NO. 19917 ENGR. Kayel M Buenick

APPROVED 2-23-94 (DATE) Michael D Sheehan (COUNTY ENGINEER)

COUNTY OLMSTED

Recommended for Approval W.H. Emmett 2/24 1994
DISTRICT STATE AID ENGINEER

Recommended for Approval 3-22 1994
STATE AID PLANS AND SPECS ENGINEER

Approved 3/24 1994 Julie W Skallman
STATE AID ENGINEER

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
APPROVED
....
DIVISION ADMINISTRATOR DATE

STATE AID PROJ. NO. 55-609-13 OLMSTED CO.
~~**STATE PROJ. NO.**~~ .....
SHEET NO. 1 **OF** 19 **SHEETS**

ESTIMATED QUANTITIES

	SPECIFICATION NO.	ITEM	UNIT	NON PARTICIPATING RURAL	PARTICIPATING RURAL	TOTAL ESTIMATED QUANTITIES
	0502 . 601	4" PRECAST CONCRETE HEADWALL	EACH		94	94
	0563 . 601	TRAFFIC CONTROL	LUMP SUM		1.0	1.0
(1)	2105 . 515	UNCLASSIFIED EXCAVATION	CU.YD.		210	210 (P)
(2)	2105 . 525	TOPSOIL BORROW (LV)	CU.YD.		4,315	4,315
(A)	2112 . 501	SUBGRADE PREPARATION	ROAD STA.		289	289
(3)	2130 . 501	WATER	M-GAL.		50	50
(4)	2211 . 501	AGGREGATE BASE CL.5	TON		9,248	9,248
(5)	2221 . 501	AGGREGATE SHOULDERING CL.2	TON		20,287	20,287
	2301 . 502	CONCRETE PAVEMENT STANDARD WIDTH 7"	SQ.YD.		77,063	77,063 (P)
	2301 . 503	CONCRETE PAVEMENT IRREGULAR WIDTH 7"	SQ.YD.		2,156	2,156 (P)
	2301 . 511	STRUCTURAL CONCRETE	CU.YD.		15,289	15,289 (P)
	2301 . 531	EXPANSION JOINT DESIGN E4D-1	LIN. FT.		49	49
	2301 . 538	DOWEL BAR	EACH		43,448	43,448
(6)	2340 . 508	TYPE 41A WEARING COURSE MIXTURE	TON		1,172	1,172
(7)	2340 . 514	TYPE 41A BASE COURSE MIXTURE	TON		1,758	1,758
(8)	2340 . 516	TYPE 41A SHOULDER MIXTURE	TON		521	521
(9)	2357 . 502	BITUMINOUS MATERIAL FOR TACK COAT	GALLON		784	784
	2502 . 521	4" NON PERFORATED (TP) PIPE DRAIN	LIN. FT.		1,128	1,128
	2502 . 541	4" PERF. P.E. PIPE DRAIN / GEOTEXTILE KNIT SOCK	LIN. FT.		54,828	54,828
(10)	2521 . 501	4" CONCRETE WALK	SQ.FT.	196		196
	2531 . 501	CONCRETE CURB AND GUTTER DESIGN B624	LIN. FT.		626	626
	2575 . 501	SEEDING	ACRE		5.3	5.3(P)
(11)	2575 . 502	SEED MIXTURE 1100	POUND		530	530
(12)	2575 . 502	SEED MIXTURE 500	POUND		265	265
(13)	2575 . 505	SODDING TYPE LAWN	SQ.YD.		1,390	1,390
(14)	2575 . 511	MULCH MATERIAL TYPE 1	TON		10.6	10.6
(15)	2575 . 519	DISC ANCHORING	ACRE		5.3	5.3(P)
(16)	2575 . 532	COMMERCIAL FERTILIZER ANALYSIS 12-12-12	POUND		1,060	1,060
	0564 . 603	4" DOUBLE SOLID LINE YELLOW - EPOXY	LIN. FT.		1,450	1,450
	0564 . 603	4" SOLID LINE YELLOW - EPOXY	LIN. FT.		11,400	11,400
	0564 . 603	4" SOLID LINE WHITE - EPOXY	LIN. FT.		61,400	61,400
	0564 . 603	4" BROKEN LINE YELLOW - EPOXY	LIN. FT.		27,900	27,900

JOINTS:

ALL CONTRACTION JOINTS, ALL LONGITUDINAL JOINTS WILL BE INCIDENTAL TO PAVING ITEMS AND NO DIRECT COMPENSATION WILL BE MADE THEREFOR.

STEEL REINFORCEMENT:

STEEL REINFORCEMENT REQUIRED FOR CONCRETE PAVEMENT WILL BE INCIDENTAL TO PAVING ITEMS AND NO DIRECT COMPENSATION WILL BE MADE THERE FOR.

CONCRETE PAVEMENT:

CONCRETE PAVEMENT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARD DETAIL PLATE NOTED IN THE PLANS, MODIFIED TO THE EXTENT THAT C2B-D MOD. CONTRACTION JOINTS WILL BE REQUIRED.

REINFORCED PANELS OVER CULVERTS:

REINFORCED CONCRETE PANELS OF THE LENGTH INDICATED AT LOCATIONS LISTED BELOW SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARD DETAIL PLATE. REINFORCED PANELS WILL BE INCIDENTAL TO PAVING ITEMS AND NO DIRECT COMPENSATION WILL BE MADE THERE FOR.

STATIONING:	PANEL:	STATIONING:	PANEL:
494 + 26	13'	644 + 84	14'
500 + 46	16'	660 + 50	14', 17'
531 + 01	14', 17'	685 + 15	17'
547 + 70	13', 16'	694 +59.7 & 695 + 00.3	16', 14', 17', 13', 16'
560 + 93	13', 17', 15', 18', & 14'	708 + 42	14'
587 + 75	17', 13', 16', 14', 17', 13'	728 + 43	17'
597 +87.5 & 598+08.15	13', 16', 14', 17', 13'	760 + 00	16', 14'
630 + 13	17', 13', 16'		

NOTE:

(A) SUBGRADE PREPARATION IS ON THE CONCRETE PORTION OF MAINLINE PAVING ON C.S.A.H. 9 ONLY.

THE FOLLOWING STANDARDARD PLATES, APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION SHALL APPLY ON THIS PROJECT.

PLATE NO.	DESCRIPTION
0005 A	SPECIFICATION REFERENCE TO STANDARD PLATES
1070 K	REINFORCED PANEL OVER CULVERTS
1103 J	TYPICAL DOWEL BAR ASSEMBLY
1141 D	PAVEMENT KEYWAY FOR KEYED JOINT CONSTRUCTION
3131 A	PRECAST CONCRETE HEADWALL FOR SUBSURFACE DRAINS
8000 I	STANDARD BARRICADES

NOTES:

(1) EXCAVATION FOR THE RIGHT TURN LANE ON C.S.A.H. 9 WEST OF T.H. 42 FROM STA. 470+02 TO STA. 474+82.

(2) INCLUDES 4,276 CU.YDS. ALONG INSLOPES AND 39 CU.YDS. BEHIND CURB SECTION.

(3) TO BE USED FOR DUST CONTROL WITHIN THE PROJECT LIMITS AS DIRECTED BY THE ENGINEER.

(4) 8448 TONS TO BE USED IN CONJUNCTION WITH THE SUBGRADE PERPARATION ON THE MAINLINE OF C.S.A.H. 9. 219 TON FOR TURN LANE WEST OF T.H. 42 ON C.S.A.H. 9 FROM STA. 470+02 TO STA. 474+82., 201 TON FOR APPROACHES, AND 380 TON FOR ENTRANCES.

(5) INCLUDES 19,909 TON FOR ALL SHOULDERING, AND 378 TON UNDER BITUMINOUS TURN LANES.

(6) INCLUDES 290 TON FOR ENTRANCES, 820 TON FOR TURN LANES, APPROACHES, AND RADII. 62 TON FOR PARKING LANE LEFT OF STA. 548+83 TO STA. 555+09.

(7) INCLUDES 1,633 TON FOR TURN LANES, APPROACHES, AND 125 TON FOR PARKING LANE LEFT OF STA. 548+83 TO STA. 555+09.

(8) TO BE USED IN VARIOUS LOCATIONS INDICATED BY STATIONING IN THIS PLAN.

(9) TACK BETWEEN ALL LAYERS OF BITUMINOUS. (Based on 0.05 Gal. /Sq. Yd.)

(10) THE 2" OF GRANULAR BEDDING WILL BE INCIDENTAL TO THE 4" CONCRETE WALK ITEM 2521.501.

(11) APPLICATION RATE 100 POUNDS PER ACRE IN CONJUNCTION WITH SEED MIX 500.

(12) APPLICATION RATE 50 POUNDS PER ACRE, APPLY TO ALL INSLOPES WHERE TOPSOIL BORROW HAS BEEN PLACED.

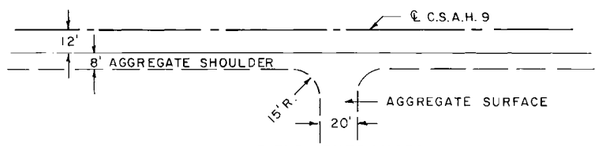
(13) PLACED BEHIND CURB STA. 548+83 TO STA. 555+09 AS DIRECTED BY THE ENGINEER.

(14) APPLICATION RATE TWO TON PER ACRE.

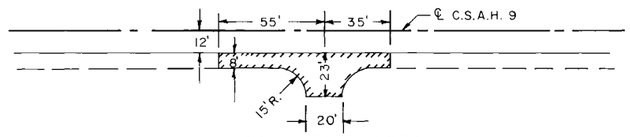
(15) DISC ANCHOR ALL AREAS THAT ARE MULCHED.

(16) APPLICATION RATE 200 POUNDS PER ACRE.

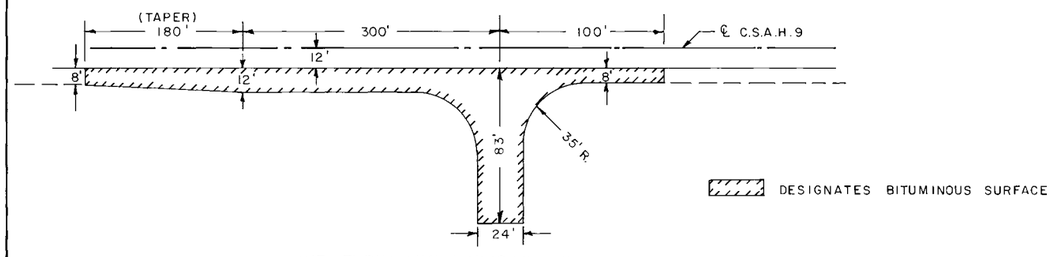
TYPICAL ENTRANCES AND BITUMINOUS APPROACHES



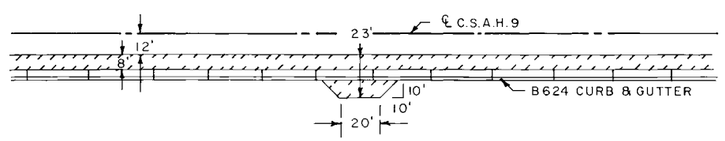
FIELD ENTRANCES



DRIVE ENTRANCES



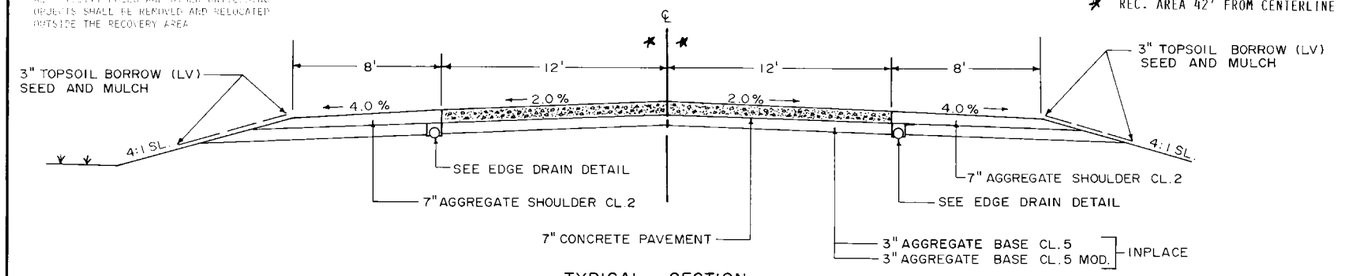
BIT. TURNLANE APPROACHES



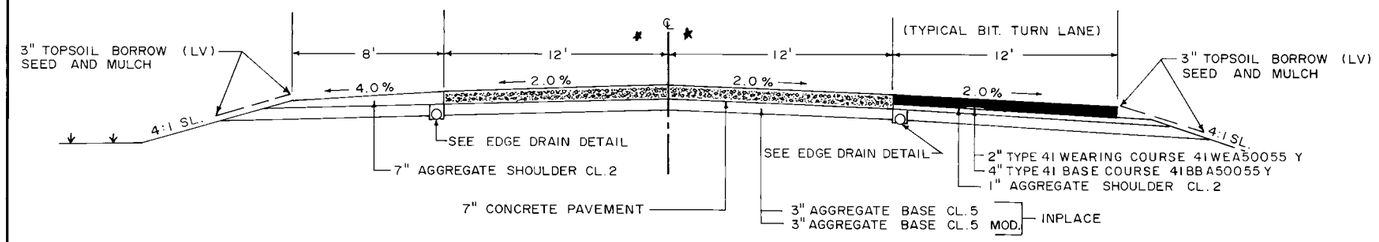
ENTRANCES ALONG CURB SECTION

ALL UTILITY POLES AND OTHER FIXED OBJECTS SHALL BE REMOVED AND RELOCATED OUTSIDE THE RECOVERY AREA

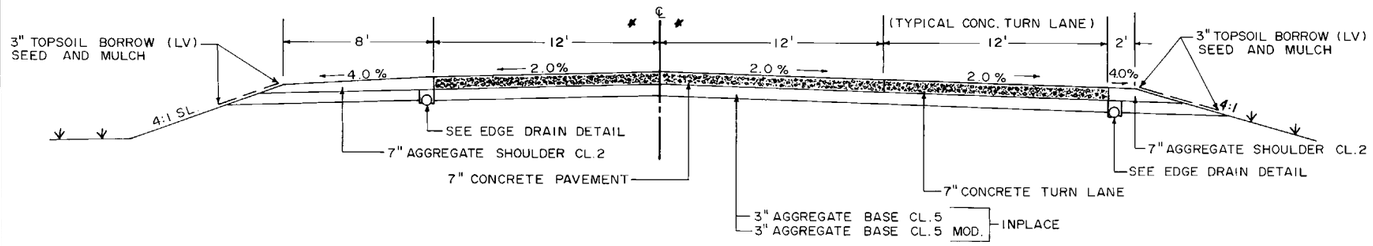
* REC. AREA 42' FROM CENTERLINE



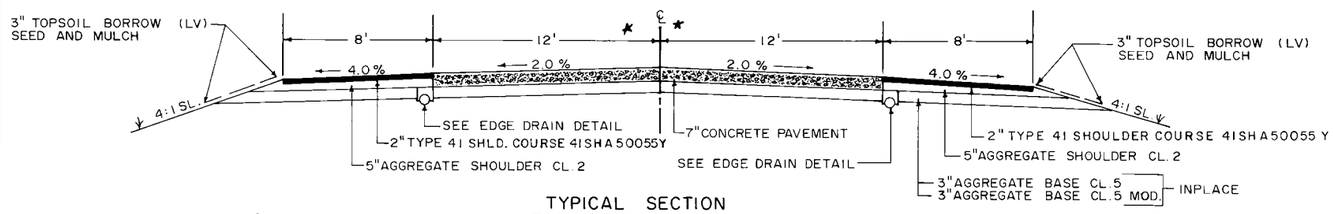
TYPICAL SECTION
WITH AGGREGATE SHOULDERS



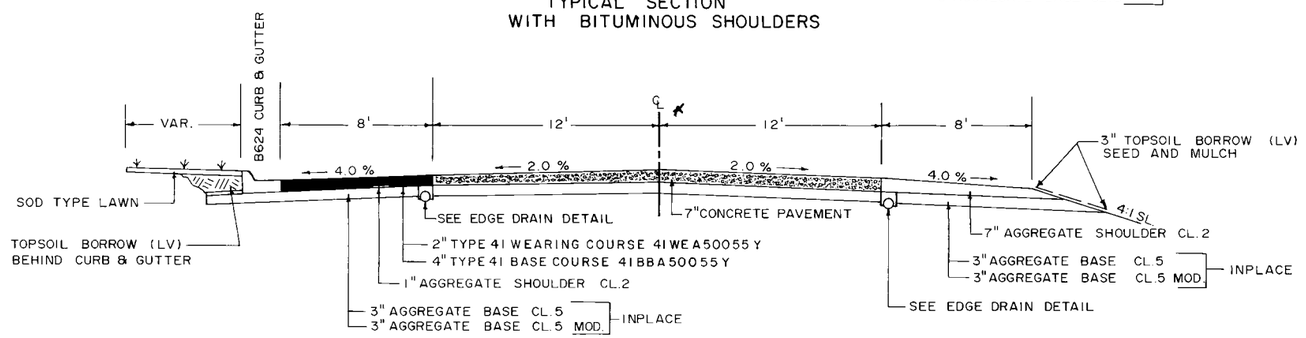
TYPICAL SECTION
WITH BITUMINOUS TURN LANES



TYPICAL SECTION
WITH CONCRETE TURN LANES



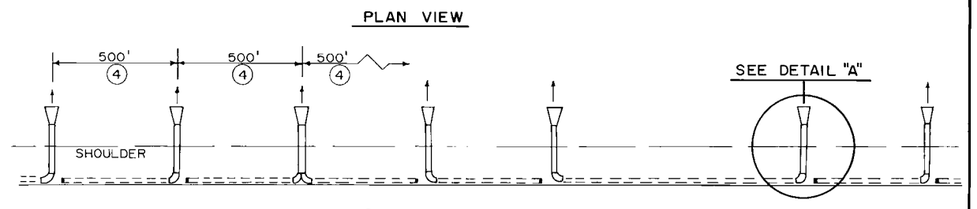
TYPICAL SECTION
WITH BITUMINOUS SHOULDERS



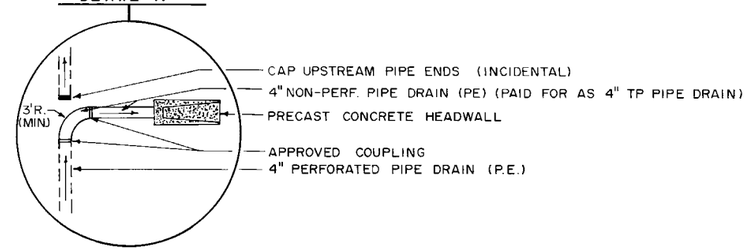
TYPICAL SECTION
WITH PARKING LANE STA. 548+83 TO STA. 555+09

EDGE DRAIN DETAILS AND CONSTRUCTION NOTES

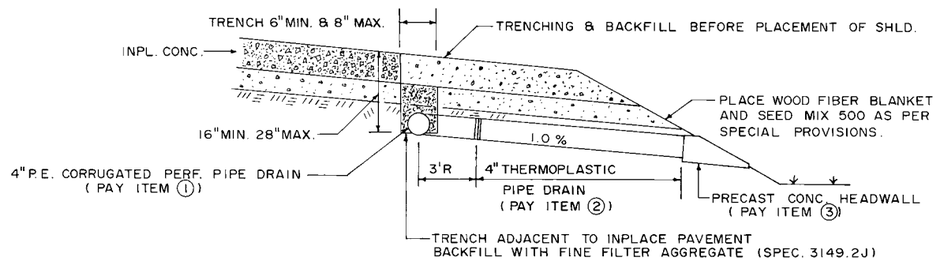
PLAN VIEW



DETAIL "A"



X-SECTION VIEW



CONSTRUCTION NOTES

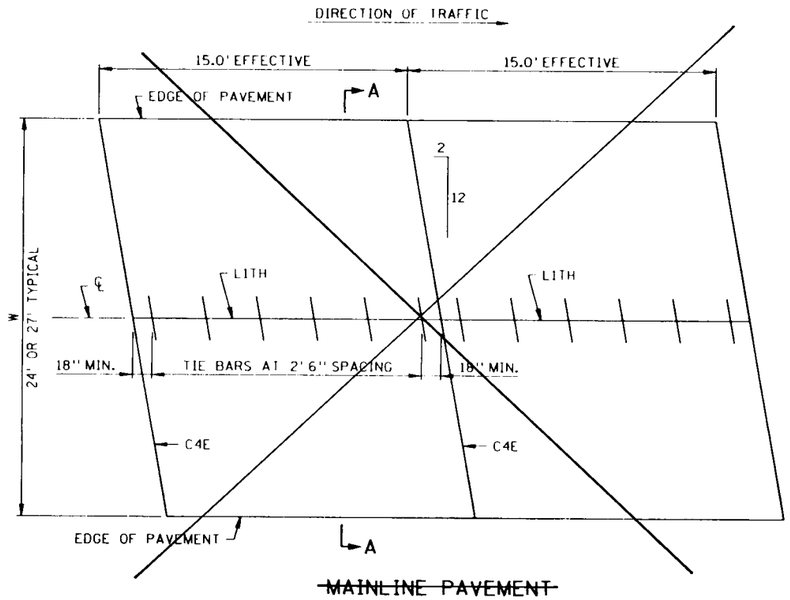
(1) PAYMENT FOR 4" PERFORATED PIPE DRAIN SHALL BE FULL COMPENSATION FOR TRENCHING, FABRIC WRAPPED P.E. PIPE AND INSTALLATION, FILTER AGGREGATE BACKFILL AND COMPACTION, AND ALL OTHER ASSOCIATED WORK.

(2) PAYMENT FOR 4" NON-PERFORATED PIPE DRAIN SHALL BE FULL COMPENSATION FOR TRENCHING, FURNISHING AND PLACING PIPE AND CONNECTIONS, BACKFILL AND COMPACTION, AND ALL OTHER ASSOCIATED WORK.

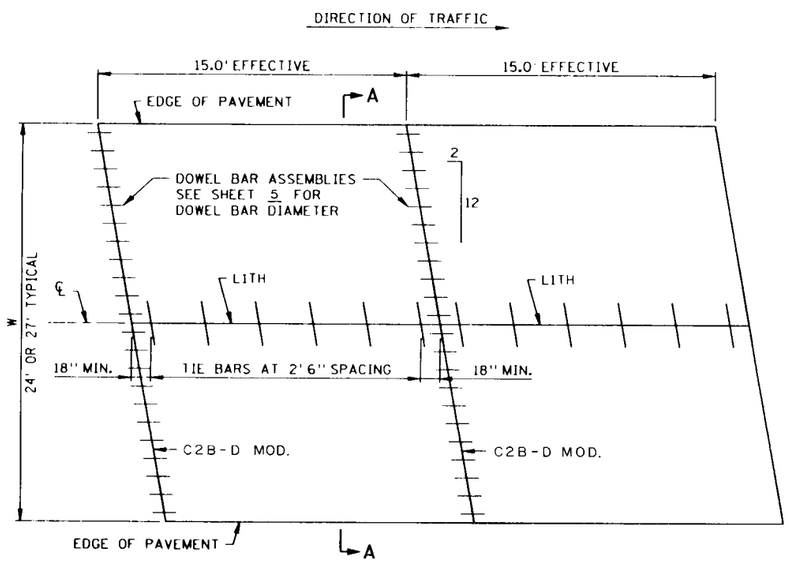
(3) PAYMENT FOR PRECAST CONCRETE HEADWALLS SHALL BE FULL COMPENSATION FOR PLACING HEADWALL, WOOD FIBER BLANKET AND SEED, AND ALL OTHER ASSOCIATED WORK.

(4) IF AN OUTLET HAPPENS TO FALL WITHIN A CROSS-OVER OR DITCH-BLOCK INCREASE THE LENGTH OF THE PERFORATED PIPE TO A POINT WHERE AN OUTLET CAN BE SATISFACTORLY CONSTRUCTED AS DIRECTED BY THE ENGINEER.

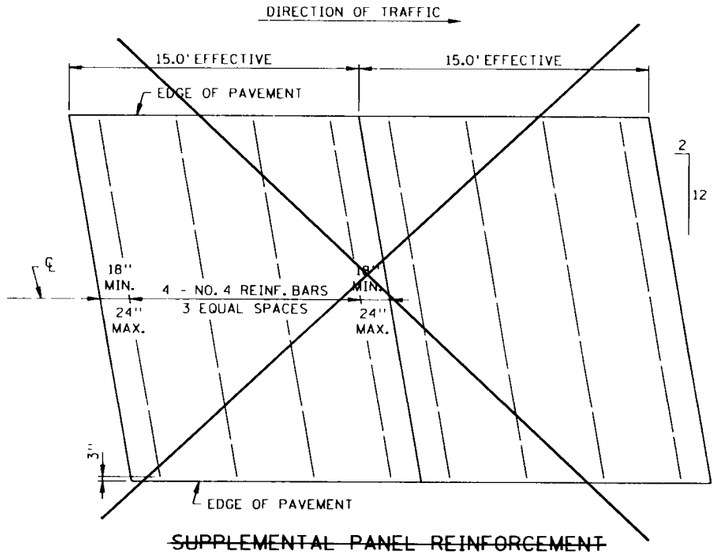
(5) EXCESS EXCAVATED MATERIAL SHALL BE DISPOSED OF IN ACCORDANCE WITH MN/DOT SPEC. 2104.3C3.



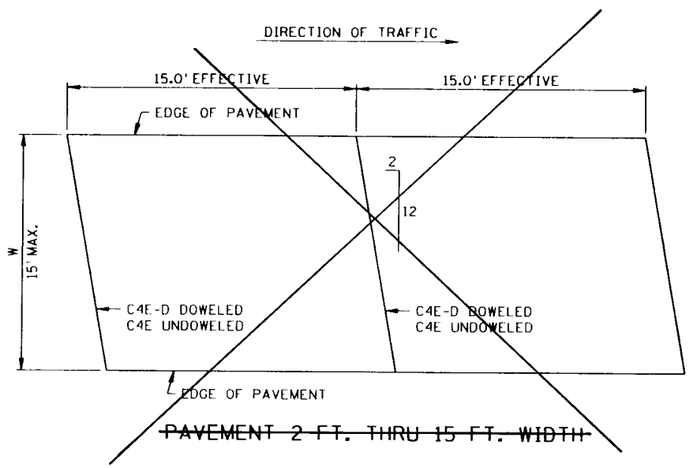
~~MAINLINE PAVEMENT~~
UNDOWELED



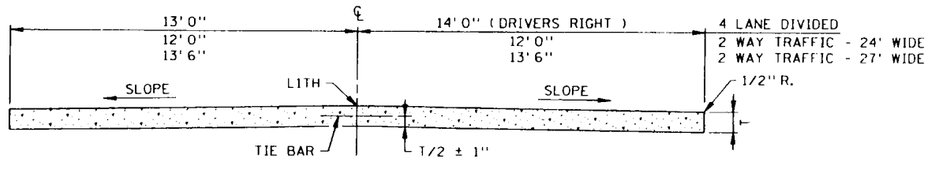
MAINLINE PAVEMENT
DOWELED



~~SUPPLEMENTAL PANEL REINFORCEMENT~~



~~PAVEMENT 2 FT. THRU 15 FT. WIDTH~~



SECTION A-A

GENERAL NOTES:

WHEN THE PAVEMENT WIDTH EXCEEDS 27 FT., THE LONGITUDINAL JOINT SHALL BE L1TH OR L2KTH AS DESIGNATED.

SEE TYPICAL SECTIONS AND PLAN SHEETS FOR CROSS SLOPES AND PAVEMENT THICKNESS T.

WHEN RIGID PAVEMENT ADJOINS FLEXIBLE PAVEMENT, BRIDGE APPROACHES, R.R. CROSSINGS OR OTHER TYPES OF FREE ENDS, THE FOLLOWING MODIFICATIONS SHALL BE MADE: THE FIRST OR LAST 10 JOINTS SHALL BE DOWELED CONTRACTION JOINTS, C2B-D(SKEWED)MOD. TIE BARS SHALL BE SPACED AS SHOWN, EXCEPT THE FIRST AND LAST TIE BAR OF EACH PANEL SHALL BE 18 IN. FROM AND PARALLEL TOTHE CONTRACTION JOINT.

15.0 FT. EFFECTIVE JOINT SPACING IS ACTUAL 13 FT., 16 FT., 14 FT., 17 FT. AND REPEAT JOINT SPACING.

DOWEL BAR ASSEMBLIES, WHEN REQUIRED, SHALL BE SIMILAR TO THOSE SHOWN ON STANDARD PLATE 1103.

ALL REINFORCING BARS SHALL BE EPOXY COATED IN ACCORDANCE WITH SPEC. 3301 AND SHALL MEET THE REQUIREMENTS OF GRADE 60 FOR AASHTO M-31 OR M-53. FOR ADDITIONAL REINFORCEMENT OVER CULVERTS, SEE STANDARD PLATE 1070.

TIE BARS:
USE NO. 4 BARS 2'6" LONG, AT 2'6" SPACING.

~~SUPPLEMENTAL PANEL REINFORCEMENT:~~
~~PLACE NO. 4 BARS IN PANELS WHERE PAVEMENT WIDTHS EXCEED 16 FT. WITHOUT A LONGITUDINAL JOINT, AND IN THE MIDDLE LANE WHERE TIED PAVEMENT WIDTHS EXCEED 30 FT. PLACEMENT DEPTH SHALL BE PLANNED T/2 ± 1 IN.~~

STANDARD SHEET NO. 5-297.217 ~~(1 OF 2)~~	TITLE: ~~NON~~-REINFORCED CONCRETE MAINLINE PAVEMENT WITH SKEWED JOINTS (MODIFIED) 15.0 FT. EFFECTIVE PANELS (T = 10 IN. OR LESS)
STANDARD APPROVED: JANUARY 25, 1993	
~~STATE PROJ. NO.~~ S.A.P 55-609-13 OLMSTED CO.	SHEET NO. 4 OF 19 SHEETS

SERVER CA64S1::/USR/STANDARDS FILE NAME S2171A93.SPN

NOTE: C2B - D MOD. CONTRACTION JOINTS SHOWN ARE THE JOINTS LOCATED BETWEEN THE 17' & 13' PANELS. ROTATION OF JOINTS TO BE AT 13', 16', 14', AND 17' UNLESS OTHERWISE SHOWN. STATIONING OF JOINTS ARE TO THE LEFT EDGE OF SLAB.

F.E. LT. 483 + 60
CONST. AGGREGATE APPROACH

RES. DR. LT. 486 +84
CONST. 2" BITUMINOUS AND 6" AGGREGATE APPROACH

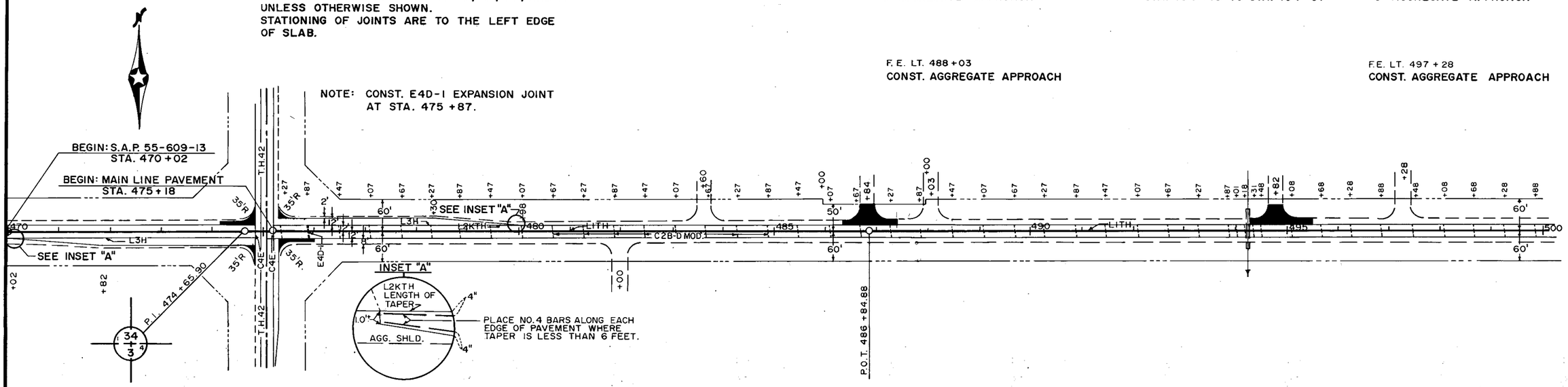
℄ CULV. 494 + 26
CONST. 13' REINF. PANEL STA. 494 + 18 TO STA. 494 + 31

RES. DR. LT. 494 + 82
CONST. 2" BITUMINOUS AND 6" AGGREGATE APPROACH

F.E. LT. 488 + 03
CONST. AGGREGATE APPROACH

F.E. LT. 497 + 28
CONST. AGGREGATE APPROACH

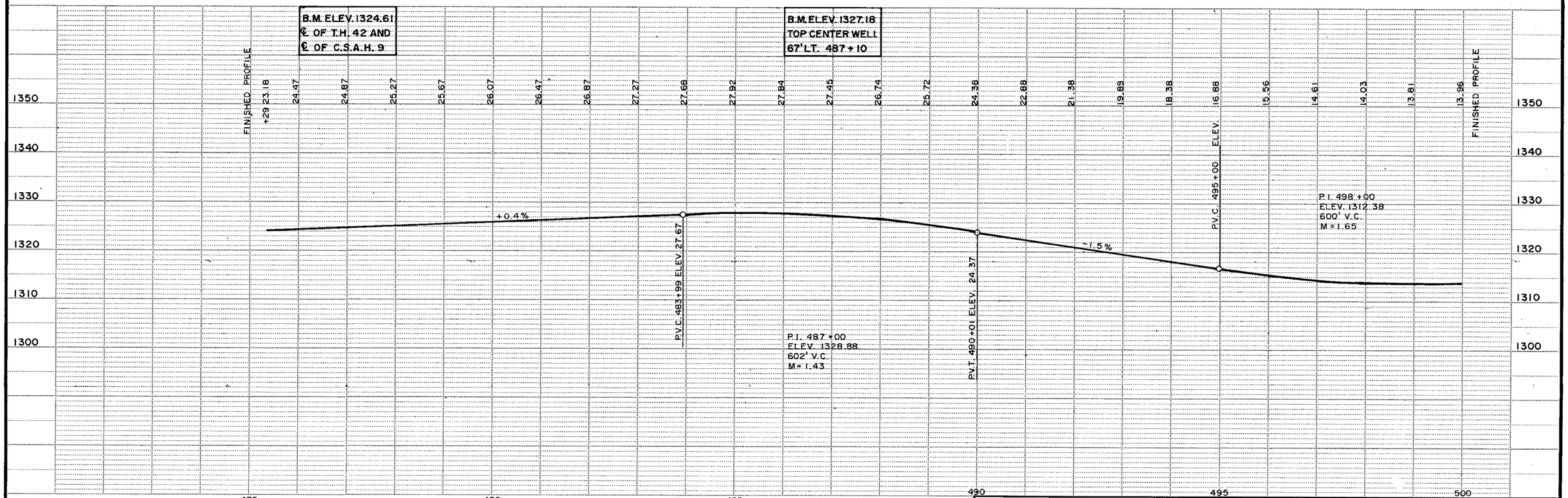
NOTE: CONST. E4D-1 EXPANSION JOINT AT STA. 475 +87.



CONST. RT. TURN LANE FROM STA. 470 +02 TO 474 + 82
MATCH EXISTING CONTRACTION JOINTS
NOTE: NO L2KTH JOINT ON THIS TURN LANE

F.E. RT. 482 +00
CONST. AGGREGATE APPROACH

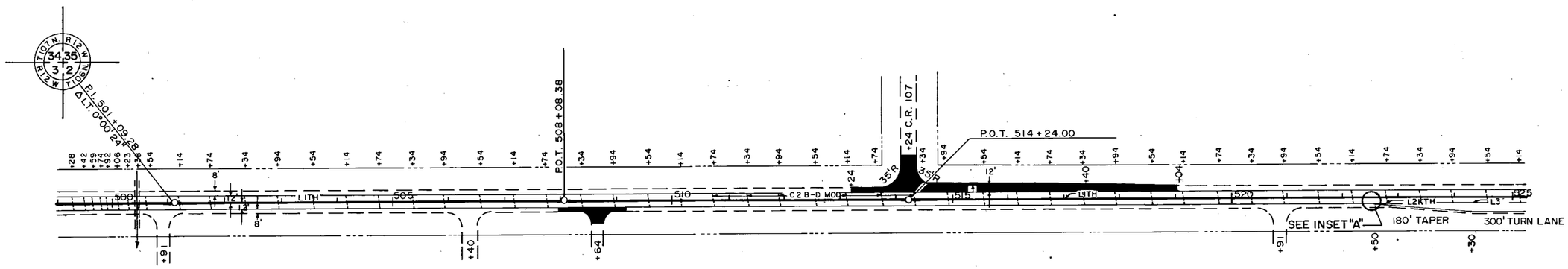
NOTE: CONST. CORRUGATED P.E. PERFORATED PIPE LEFT & RIGHT. SEE PLAN SHEET NO. 3 FOR EDGE DRAIN DETAILS.
BEGIN STA. 475 + 50



℄ CULV. 500 + 46
CONST. 16' REINF. PANEL
STA. 500 + 38 TO STA. 500 + 54
LT. EDGE OF SLAB

NOTE: C2B-D MOD. CONTRACTION JOINTS SHOWN ARE THE JOINTS LOCATED BETWEEN THE 17' & 13' PANELS. ROTATION OF JOINTS TO BE AT 13', 16', 14' AND 17' UNLESS OTHERWISE SHOWN. STATIONING OF JOINTS ARE TO LEFT EDGE OF SLAB.

C.R. 107 N. LT. 514 + 24
CONST. 2" AGGREGATE BASE AND 6" BITUMINOUS APPROACH & TURN LANE.
STA 513+24 TO STA 519+04

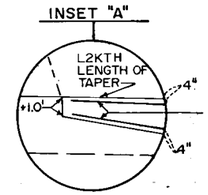


F.E. RT. 500 + 91
CONST. AGGREGATE APPROACH

F.E. RT. 506 + 40
CONST. AGGREGATE APPROACH

RES. DR. RT. 508 + 64
CONST. 2" BITUMINOUS AND 6" AGGREGATE APPROACH

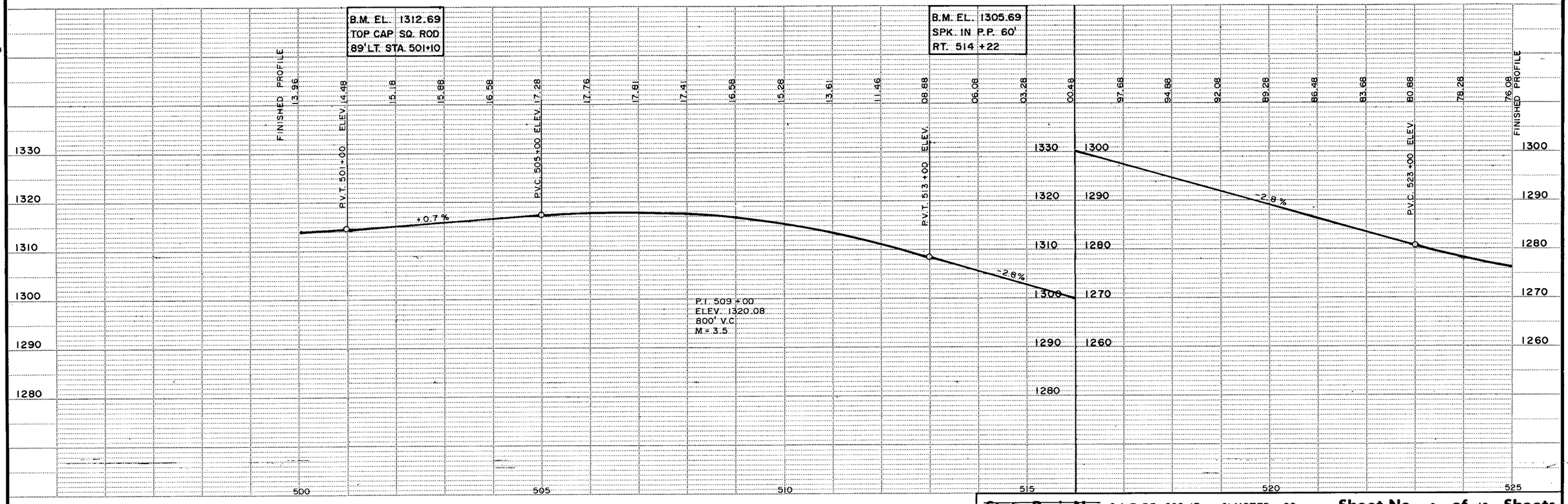
INSET "A"



PLACE NO. 4 BARS ALONG EACH EDGE OF PAVEMENT WHERE TAPER IS LESS THAN 6 FEET.

F.E. RT. 520 + 91
CONST. AGGREGATE APPROACH

NOTE: CONST. CORRUGATED P.E. PERFORATED PIPE LEFT & RIGHT SEE PLAN SHEET NO. 3 FOR EDGE DRAIN DETAIL.



RES. DR. LT. 527+69
CONST. 6" AGGREGATE AND
2" BITUMINOUS APPROACH

F.E. LT. 528+35
CONST. AGGREGATE APPROACH

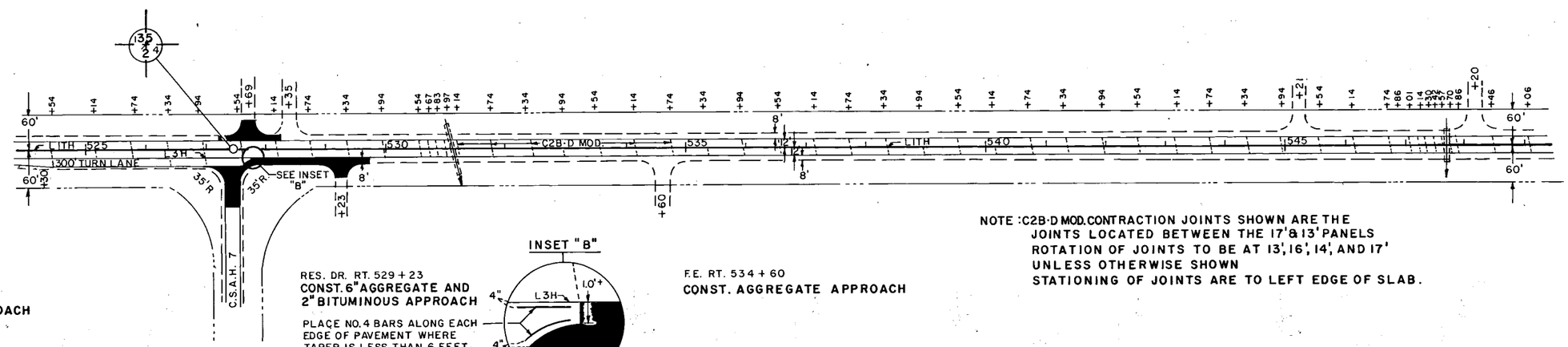
℄ CULV. 531+01
CONST. 14' & 17' REINF. PANELS
STA. 530+ TO STA. 531+14.

F.E. LT. 545+21
CONST. AGGREGATE APPROACH

℄ CULV. 547+70
CONST. 13' & 16' REINF. PANELS
STA. 547+57 TO STA. 547+86.

NOTE: CONST. CORRUGATED P.E. PERFORATED PIPE LEFT & RIGHT. SEE PLAN SHEET NO. 3 FOR EDGE DRAIN DETAIL.

F.E. LT. 548+20
CONST. AGGREGATE APPROACH



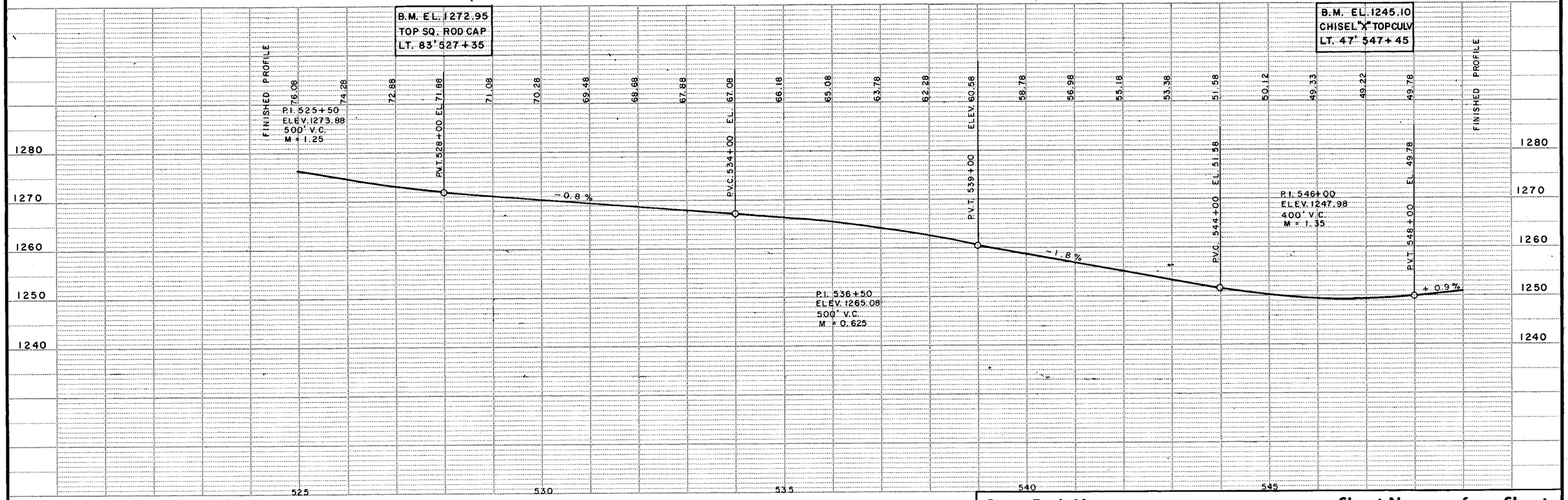
℄ C. S. A. H. 7 RT. 527+45
CONST. 2" AGGREGATE AND
6" BITUMINOUS APPROACH

RES. DR. RT. 529+23
CONST. 6" AGGREGATE AND
2" BITUMINOUS APPROACH

PLACE NO. 4 BARS ALONG EACH EDGE OF PAVEMENT WHERE TAPER IS LESS THAN 6 FEET

F.E. RT. 534+60
CONST. AGGREGATE APPROACH

NOTE: C2B-D MOD. CONTRACTION JOINTS SHOWN ARE THE JOINTS LOCATED BETWEEN THE 17' & 13' PANELS
ROTATION OF JOINTS TO BE AT 13', 16', 14', AND 17'
UNLESS OTHERWISE SHOWN
STATIONING OF JOINTS ARE TO LEFT EDGE OF SLAB.



~~State Proj. No.~~ S.A.P. 55-609-13 OLMSTED CO. **Sheet No. 10 of 19 Sheets**

CEMETERY ENT. LT. 549+35
CONST. 6" AGGREGATE AND
2" BITUMINOUS APPROACH

RES. DR. LT. 554+42
CONST. 6" AGGREGATE AND
2" BITUMINOUS APPROACH

RES. DR. LT. 557+95
CONST. 6" AGGREGATE AND
2" BITUMINOUS APPROACH

℄ CULV. STA. 560+90
CONST. 13', 17', 15', 18', & 14'
REINF. PANELS
STA. 560+46 TO STA. 561+33

RES. DR. LT. 564+91
CONST. 6" AGGREGATE AND
2" BITUMINOUS APPROACH

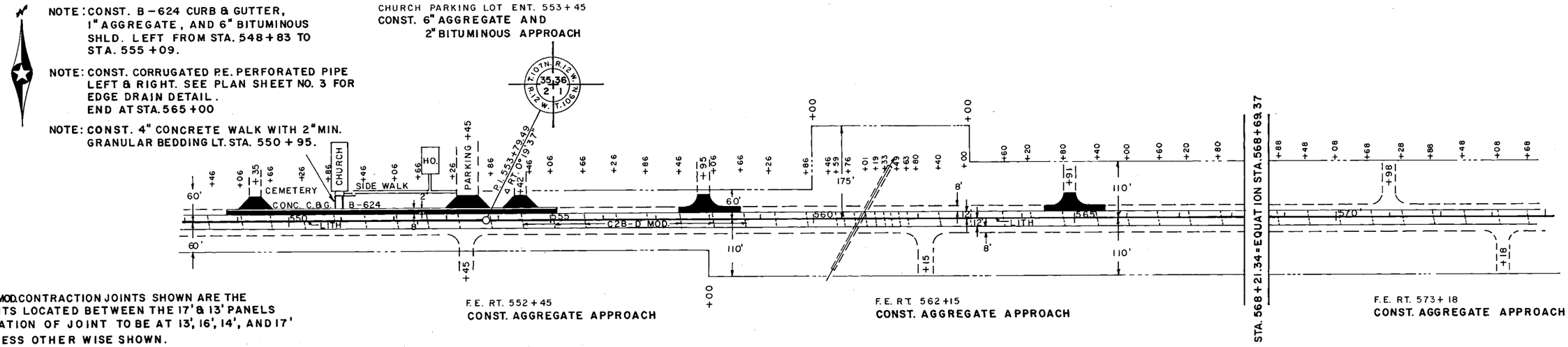
F.E. LT. 570+98
CONST. AGGREGATE APPROACH

NOTE: CONST. B-624 CURB & GUTTER, 1" AGGREGATE, AND 6" BITUMINOUS SHLD. LEFT FROM STA. 548+83 TO STA. 555+09.

NOTE: CONST. CORRUGATED P.E. PERFORATED PIPE LEFT & RIGHT. SEE PLAN SHEET NO. 3 FOR EDGE DRAIN DETAIL. END AT STA. 565+00

NOTE: CONST. 4" CONCRETE WALK WITH 2" MIN. GRANULAR BEDDING LT. STA. 550+95.

CHURCH PARKING LOT ENT. 553+45
CONST. 6" AGGREGATE AND
2" BITUMINOUS APPROACH



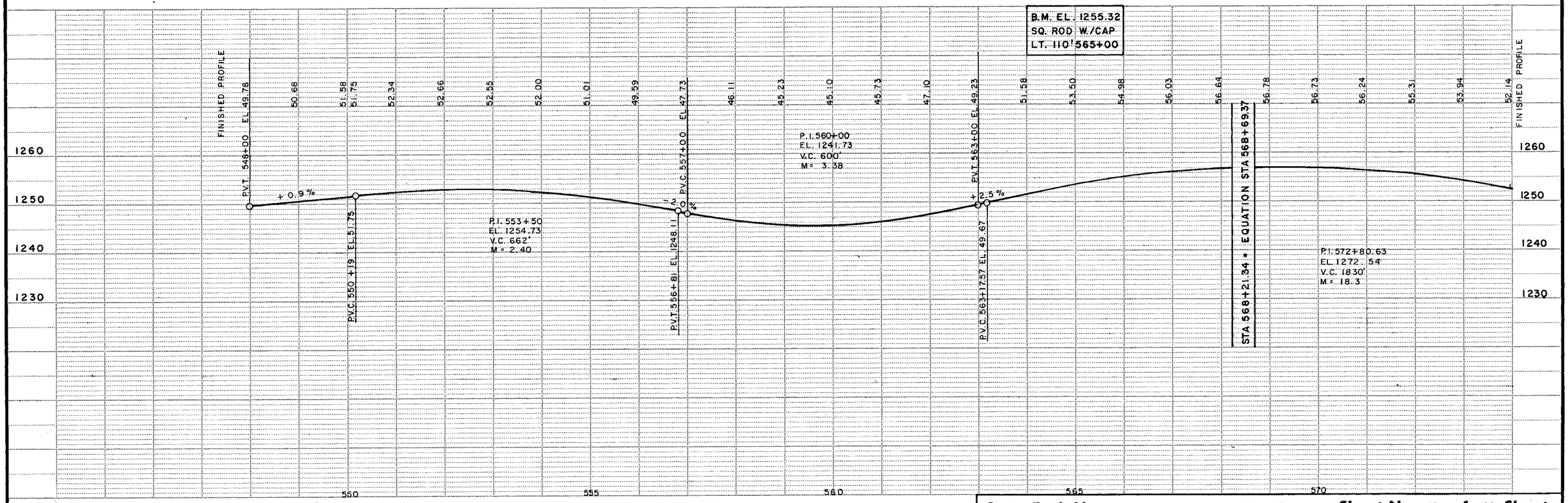
F.E. RT. 552+45
CONST. AGGREGATE APPROACH

F.E. RT. 562+15
CONST. AGGREGATE APPROACH

F.E. RT. 573+18
CONST. AGGREGATE APPROACH

NOTE: C2B-D MOD. CONTRACTION JOINTS SHOWN ARE THE JOINTS LOCATED BETWEEN THE 17' & 13' PANELS ROTATION OF JOINT TO BE AT 13', 16', 14', AND 17' UNLESS OTHER WISE SHOWN.
STATIONING OF JOINTS ARE TO LEFT EDGE OF SLAB.

B.M. EL. 1255.32
SQ. ROD W/CAP
LT. 110' 565+00



~~State Proj. No.~~ S.A.P. 55-609-13 OLMSTED CO.

F.E. LT. STA. 585+00
CONST. AGGREGATE APPROACH

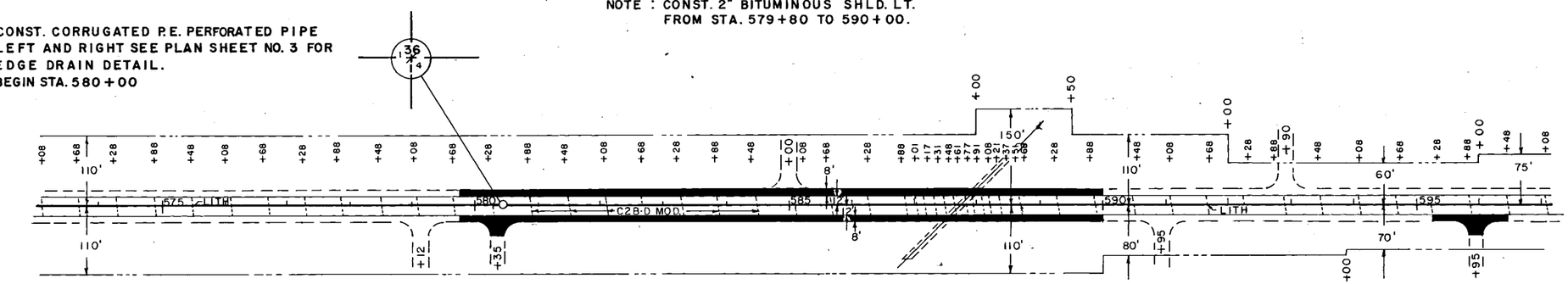
℄ CULV. STA. 587+75
CONST. 17', 13', 16', 14', 17', & 13' REINF. PANELS.
FROM STA. 587+31 TO 588+21

F.E. LT. STA. 592+90
CONST. AGGREGATE APPROACH

NOTE: C28-D MOD. CONTRACTION JOINTS SHOWN ARE THE JOINTS LOCATED BETWEEN THE 17'&13' PANELS ROTATION OF JOINTS TO BE AT 13', 16', 14', AND 17' UNLESS OTHERWISE SHOWN.
STATIONING OF JOINTS ARE TO LEFT EDGE OF SLAB

NOTE: CONST. CORRUGATED P.E. PERFORATED PIPE LEFT AND RIGHT SEE PLAN SHEET NO. 3 FOR EDGE DRAIN DETAIL.
BEGIN STA. 580+00

NOTE : CONST. 2" BITUMINOUS SHLD. LT.
FROM STA. 579+80 TO 590+00.



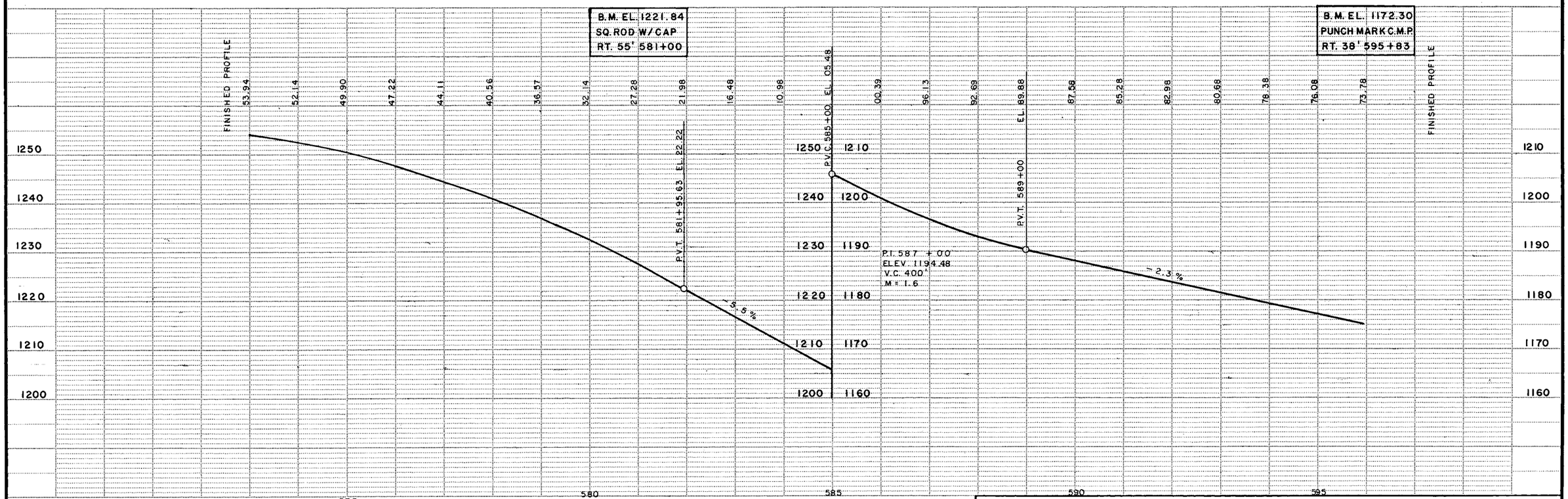
F.E. RT. STA. 579+12
CONST. AGGREGATE APPROACH

RES. DR. RT. STA. 580+35
CONST. 6" AGGREGATE AND
2" BITUMINOUS APPROACH.

F.E. RT. STA. 590+95
CONST. AGGREGATE APPROACH

RES. DR. RT. 595+95
CONST. 6" AGGREGATE AND
2" BITUMINOUS APPROACH.

NOTE : CONST. 2" BITUMINOUS SHLD. RT.
FROM STA. 580+70 TO 590+00.



~~State Proj. No.~~ S.A.P. 55-609-13 OLMSTED CO. **Sheet No.** 12 **of** 19 **Sheets**

℄ CULV. STA. 597+87.5 & 598+08.5
CONST. 13', 16', 14', 17', & 13' REINF. PANELS
STA. 597+68 TO STA. 598+41

F.E. LT. 600+35
CONST. AGGREGATE APPROACH

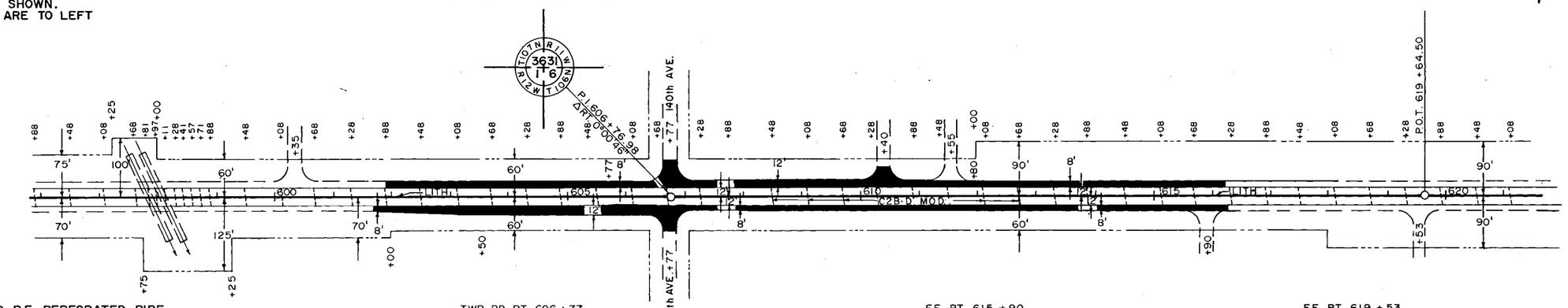
TOWNSHIP RD. LT. 606+77
CONST. 2" AGGREGATE,
6" BITUMINOUS APPROACH & TURN LANE
STA. 605+77 TO STA. 611+80

RES. DR. LT. 610+40
CONST. 6" AGGREGATE &
2" BITUMINOUS APPROACH

F.E. LT. 611+55
CONST. AGGREGATE APPROACH

NOTE: C2B-D MOD. CONTRACTION JOINTS SHOWN ARE THE JOINTS LOCATED BETWEEN THE 17' & 13' PANELS. ROTATION OF JOINTS TO BE AT 13', 16', 14' AND 17' UNLESS OTHERWISE SHOWN. STATIONING OF JOINTS ARE TO LEFT EDGE OF SLAB.

NOTE: CONST. 2" BITUMINOUS SHLD. LT. STA. 601+97 TO STA. 605+77 AND STA. 611+80 TO STA. 616+15



NOTE: CONST. CORRUGATED P.E. PERFORATED PIPE LEFT & RIGHT SEE PLAN SHEET NO. 3 FOR EDGE DRAIN DETAIL.

TWP. RD. RT. 606+77
CONST. 2" AGGREGATE,
6" BITUMINOUS APPROACH & TURN LANE
STA. 601+97 TO STA. 605+77

F.E. RT. 615+90
CONST. AGGREGATE APPROACH

F.E. RT. 619+53
CONST. AGGREGATE APPROACH

NOTE: CONST. 2" BITUMINOUS SHLD. RT. FROM STA. 605+77 TO STA. 616+15

B.M. EL. 1186.35
SQ. ROD W/CAP
58' RT. 607+40

