

RECORD PLANS



TAS 88-5

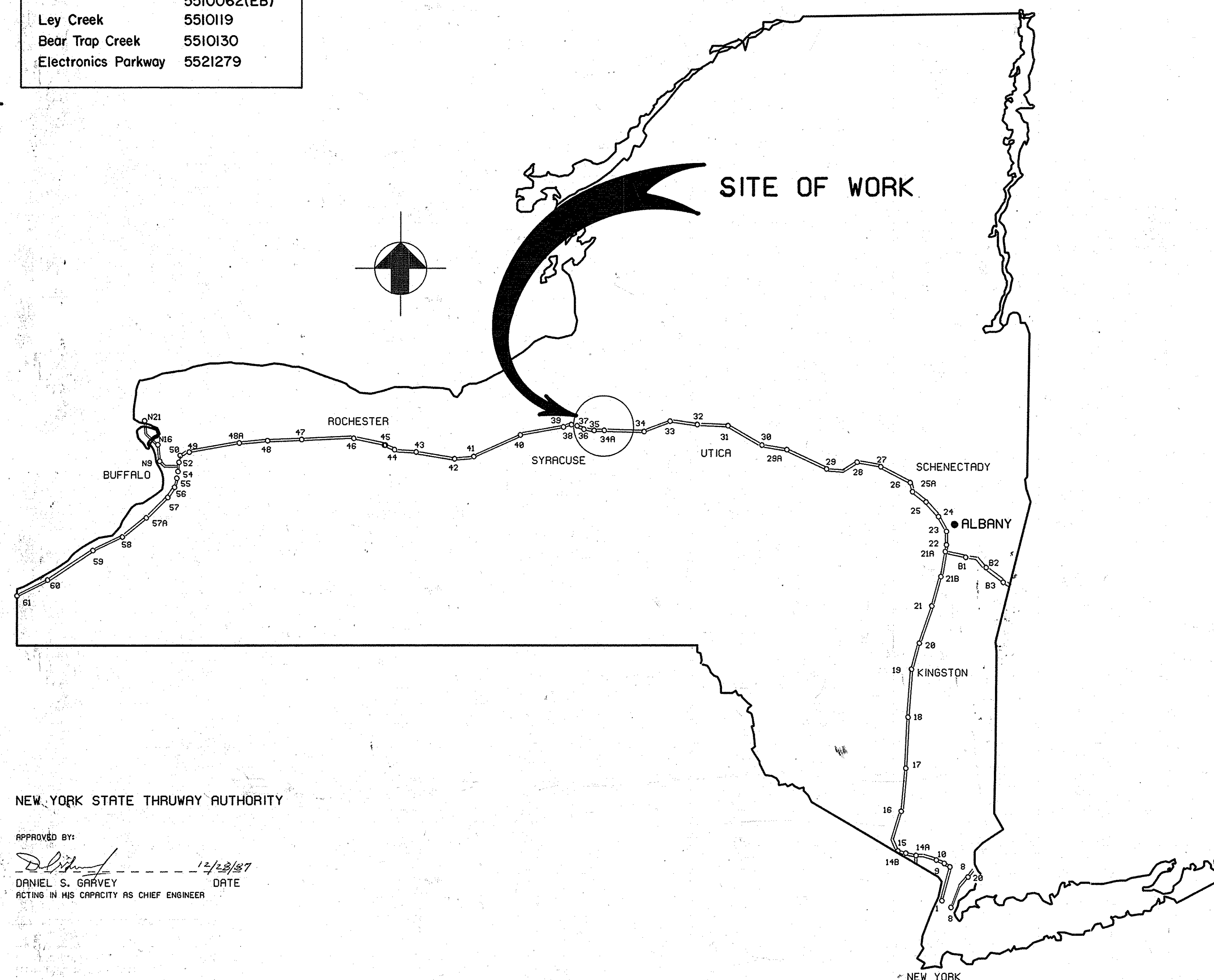
NEW YORK STATE THRUWAY AUTHORITY
SYRACUSE DIVISION

PLANS FOR
CONSTRUCTING AN ASPHALT CONCRETE WEARING COURSE, SAFETY IMPROVEMENTS,
AND MISCELLANEOUS WORK

BETWEEN
MILEPOST 267.0* AND MILEPOST 285.2* WESTBOUND
MILEPOST 267.0* AND MILEPOST 279.0* EASTBOUND

IN
ONONDAGA AND MADISON COUNTIES
61 SHEETS TAS 88-5

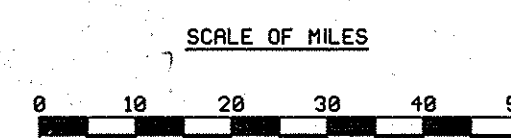
THIS PROJECT INCLUDES WORK ON THE FOLLOWING BRIDGES:	
LOCATION	BIN
Chittenango Creek	5510021(WB) 5510022(EB)
Limestone Creek	5510041(WB) 5510042(EB)
Butternut Creek	5510061(WB) 5510062(EB)
Ley Creek	5510119
Bear Trap Creek	5510130
Electronics Parkway	5521279



NEW YORK STATE THRUWAY AUTHORITY

APPROVED BY:

D. S. Garvey
DANIEL S. GARVEY DATE 12/12/87
ACTING IN HIS CAPACITY AS CHIEF ENGINEER



TYPE OF CONSTRUCTION
Road rehabilitation, safety improvements, drainage modifications,
bridge modifications and miscellaneous work.

STANDARD SHEETS

203 - 5R1	619 - 4R2
603 - 3R1	645 - 8R1
606 - 3R3	646 - 4R1
606 - 6R2	646 - 5
606 - 7R1	655 - 3
606 - 15R1	
619 - 3R3	

All work contemplated under this contract is to be covered by and in conformity with the New York State Department of Transportation Standard Specifications adopted January 2, 1985 as amended by Addendum No. 1, except as modified on these plans and in the proposal.

INTERCHANGES

NO. YONKERS TO RIPLEY

- 1 YONKERS - HALL PLACE
- 2 YONKERS - YONKERS AVENUE
- 3 YONKERS - MILE SQUARE ROAD
- 4 YONKERS - CROSS COUNTY PARKWAY
- 5 YONKERS - ROUTE 100 (CENTRAL AVENUE)
- 6 TUCKAHOE ROAD
- 6A RIDGE HILL
- 7 YONKERS TOLL BARRIER
- 7A ROSLEY - ROUTE 9A
- 8 SAW MILL RIVER PKWY.
- 8A CROSS-WESTCHESTER EXPRESSWAY I-287
- 9 TARRYTOWN - ROUTE 9
- 10 TAPPAN ZEE BRIDGE TOLL BARRIER
- 11 SOUTH NYACK - ROUTE SW
- 11A NYACK - ROUTE 9W
- 12 WEST NYACK - ROUTE 303
- 13 PALISADES INTERSTATE PKWY.
- 14 SPRING VALLEY - ROUTE 53
- 14A GARDEN STATE PKWY. CONNECTION - SCHOOLHOUSE ROAD
- 14B SPRING VALLEY TOLL BARRIER
- 14B AIRMONT ROAD
- 15 SUFFERN - ROUTE 17
- 16 HARRAHAN - ROUTES 6 & 17
- 16A WOODBURY TOLL BARRIER
- 17 NEWBURGH - ROUTES 17K & I-84
- 18 NEW PALTZ - ROUTE 299
- 19 KINGSTON - ROUTE 28
- 20 SAUGERTIES - ROUTE 32
- 21 CATSKILL - ROUTES 23 & 145
- 21B COXSACKIE - ROUTES 9W & 81
- 21A BEAKSHIRE SECTION
- 22 SELKIRK ROUTES 144 & 396
- 23 ALBANY - ROUTES 9W & I-787
- 24 ALBANY - I-87 & I-90
- 25 SCHENECTADY ROUTES 7, 146 & I-890
- 25A SCHENECTADY - I-88
- 26 SCHENECTADY - ROUTES 55 & I-890
- 27 AMSTERDAM - ROUTE 30
- 28 FULTONVILLE - ROUTE 30A
- 29 CANADAMARIE - ROUTE 10
- 29A LITTLE FALLS - ROUTE 169
- 30 HERKIMER - ROUTE 28
- 31 UTICA - ROUTES 5, 8, 12 & 730
- 32 WESTMORELAND - ROUTE 233
- 33 VERONA - ROUTE 355
- 34 CANASTOTA - ROUTE 13
- 34A SYRACUSE - I-481
- 35 SYRACUSE - ROUTE 298
- 36 SYRACUSE - I-81
- 37 ELECTRONICS PKWY.
- 38 SYRACUSE - ROUTE 57
- 39 SYRACUSE - ROUTES 48 & I-690
- 40 WEEDSPORT - ROUTE 34
- 41 CLYDE WATERLOO - ROUTE 414
- 42 GENEVA - LYONS - ROUTE 14
- 43 MANCHESTER - ROUTE 21
- 44 CANANDAIGUA - ROUTE 332
- 45 ROCHESTER - ROUTES 96 & I-490
- 46 ROCHESTER - I-390
- 47 LEROY - ROUTES 19 & I-490
- 48 BATAVIA - ROUTE 98
- 48A PEMBROKE - ROUTE 77
- 49 DEPEW - ROUTE 78
- 50 WILLIAMSVILLE TOLL BARRIER
- 50A BUFFALO I-290
- 50B CLEVELAND DRIVE
- 51 BUFFALO - ROUTE 33
- 52 BUFFALO - WALDEN AVENUE
- 53 BUFFALO - NIAGARA SECTION, I-190
- 54 WEST SENECA - ROUTES 16 & 400
- 55 LACKAWANNA - RIDGE HILL ROAD & ROUTE 310
- 56 LACKAWANNA TOLL BARRIER
- 56A BLASDELL - MILE STRIP ROAD & ROUTE 179
- 57 HAMBURG - ROUTE 75
- 57A EDEN - ANGOLA
- 58 SILVER CREEK - ROUTES 5 & 20
- 59 FREDONIA - DUNKIRK - ROUTE 60
- 60 WESTFIELD - ROUTE 17
- 61 RIPLEY TOLL BARRIER
- 61A RIPLEY - SHORTMAN ROAD - ROUTES 5 & 20

NO. NEW ENGLAND SECTION

- 8C PELHAM PKWY. WESTBOUND
- 9 HUTCHINSON RIVER PKWY. - NORTHBOUND
- 10 GUN HILL ROAD
- 11 BARTON AVENUE
- 12 BRAYCHESTER AVENUE
- 13 CONNER STREET
- 14 HUTCHINSON RIVER PKWY. - SOUTHBOUND
- 15 NEW ROCHELLE - ROUTE US 1
- 16 NEW ROCHELLE - DIVISION STREET
- 16A NEW ROCHELLE - NORTH AVENUE, CEDAR STREET
- 17 NEW ROCHELLE TOLL BARRIER
- 17A LARCHMONT - CHATSWORTH AVENUE
- 18A HAWTHORNE
- 18B WHITE PLAINS
- 19 RYE - PLAYLAND PKWY.
- 20 RYE - ROUTE US 1
- 21 WHITE PLAINS I 287
- 22 PORT CHESTER - MIDLAND AVENUE

NO. BERKSHIRE SECTION

- B1 ROUTE 9 & I-90 WEST
- B2 TACONIC STATE PKWY. - ROUTE 295
- B3 CANAAN TOLL BARRIER
- ROUTE 22

NO. NIAGARA SECTION

- N1 BUFFALO CITY LINE TOLL BARRIER
- N2 OGDEN STREET
- N3 CLINTON STREET - ROUTES 62 & 354
- N4 SENECA STREET - ROUTES 16 & 62
- N5 SHITH STREET
- N5A HAMBURG STREET
- N5B LOUISIANA STREET
- N6 OAK & ELM STREETS
- N7 CHURCH STREET & SKYWAY BRIDGE - ROUTE 5
- N8 NIAGARA STREET
- N9 PORTER AVENUE, PEACE BRIDGE, CANADA
- N10 BLACK ROCK TOLL BARRIER
- N11 SCARAJOURA EXPWY., ROUTE 198
- N12 HAMMERST STREET
- N13 AUSTIN STREET
- N14 VULCAN STREET
- N15 SHERIDAN DRIVE - ROUTE 324
- N16 I 290
- N17 RIVER ROAD ROUTE 266
- N18 TONAWANDA TOLL BARRIER
- N19 GRAND ISLAND - ROUTE 324
- N19A BEAVER ISLAND PKWY.
- N19B WHITEHAVEN ROAD
- N20 WEST RIVER PKWY. - LONG ROAD ROUTE 324
- N21 NIAGARA TOLL BARRIER
- N22 ROBERT MOSES PKWY. & ROUTE 384

* DENOTES DIVISION HEADQUARTERS

CONTRACT NO: TAS 88-5
CONTRACTOR: LANCASTER DEVELOPMENT, INC.
DATE OF AWARD: MARCH 17, 1988
COMPLETION DATE: NOVEMBER 25, 1988
DATE OF FINAL ACCEPTANCE: NOVEMBER 22, 1988
ESTIMATED CONSTRUCTION COST: \$8,560,000.00
FINAL CONSTRUCTION COST: \$7,841,071.99
DIRECTOR OF CONSTRUCTION AND DESIGN: ANTHONY E. GREGORY
DIVISION ENGINEER: FLOYD SNYDER
RESIDENT ENGINEER: WILLIAM VOGT
CONSULTANT OF INSPECTION: STETSON - HARZA

CONSULTING ENGINEERS: **CS** Colaceras & Spina
CONSULTING ENGINEERS
LIVERPOOL, NEW YORK 13088

FILE NO: 185.008
185.009

GENERAL NOTES

1. MATERIAL AND CONSTRUCTION SPECIFICATIONS: STANDARD SPECIFICATIONS, CONSTRUCTION AND MATERIALS, NEW YORK STATE DEPARTMENT OF TRANSPORTATION, OFFICE OF ENGINEERING, DATED JANUARY 2, 1985, INCLUDING ADDENDUM NO. 1 ADOPTED MAY 15, 1986, WITH CURRENT ADDITIONS AND MODIFICATIONS.
2. REINFORCING STEEL AND CONCRETE DATA: CONCRETE-MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS OF 3,000 PSI. BAR REINFORCEMENT-ASTM DESIGNATION A615, GRADE 60.
3. RECORD PLANS: RECORD PLANS FOR THE EXISTING STRUCTURE WILL BE AVAILABLE TO ALL PROSPECTIVE BIDDERS AT THE THRUWAY HEADQUARTERS IN ALBANY PRIOR TO THE LETTING DATE.
4. THIS CONTRACT IS TO BE EXECUTED IN STAGES OF CONSTRUCTION AS INDICATED ON THE DRAWINGS.
5. THE CONTRACTOR SHALL EXAMINE AND VERIFY IN THE FIELD ALL EXISTING AND GIVEN CONDITIONS AND DIMENSIONS WITH THOSE SHOWN ON THE PLANS. IF FIELD CONDITIONS AND DIMENSIONS DIFFER FROM THOSE SHOWN ON THE PLANS, THE CONTRACTOR SHALL USE FIELD CONDITIONS AND DIMENSIONS AND MAKE THE APPROPRIATE CHANGES TO THOSE SHOWN ON THE PLANS AS APPROVED BY THE ENGINEER. THE RESULTS OF THIS CHECK OF CONDITIONS AND DIMENSIONS SHALL BE SO NOTED ON THE DRAWINGS SUBMITTED FOR APPROVAL.
6. THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR ALL DAMAGES CAUSED BY HIS OPERATIONS TO THE EXISTING STRUCTURE WHICH IS NOT INCLUDED AS PART OF THE INTENDED WORK. ALL DAMAGE TO THE EXISTING STRUCTURE WHICH IS NOT PART OF THE INTENDED WORK SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR WITHOUT COST TO THE AUTHORITY AND TO THE SATISFACTION OF THE ENGINEER.
7. THERE SHALL BE NO CLAIM AGAINST THE AUTHORITY MADE BY THE CONTRACTOR FOR WORK PERTAINING TO MODIFICATIONS AS MAY BE REQUIRED DUE TO ANY DIFFERENCE BETWEEN ACTUAL FIELD CONDITIONS AND THOSE SHOWN BY THE DETAILS AND DIMENSIONS ON THE CONTRACT PLANS. THE CONTRACTOR WILL BE PAID AT THE UNIT BID PRICE FOR THE ACTUAL QUANTITIES OF MATERIALS USED OR FOR THE WORK PERFORMED, AS INDICATED BY THE VARIOUS ITEMS IN THE CONTRACT.
8. THE CONTRACTOR SHOULD NOTE THAT ADDITIONAL WORK MAY BE REQUIRED AS THE CONTRACT PROGRESSES WHICH IS NOT SHOWN OR NOTED ON THE PLANS. THIS WORK SHALL BE PERFORMED BY THE CONTRACTOR AS ORDERED BY THE ENGINEER AND PAYMENT SHALL BE MADE AT THE BID PRICE FOR THE APPROPRIATE ITEMS.
9. THE CONTRACTOR SHALL EXERCISE CARE IN HIS REMOVAL OPERATIONS SO AS NOT TO UNDULY DISTURB UNDERLYING MATERIALS WHICH ARE TO REMAIN IN PLACE. THE CONTRACTOR SHALL PERFORM ALL WORK WITH CARE SO THAT ANY MATERIALS WHICH ARE TO REMAIN IN PLACE, OR WHICH ARE TO REMAIN THE PROPERTY OF THE AUTHORITY, WILL NOT BE DAMAGED. IF THE CONTRACTOR DAMAGES ANY MATERIALS WHICH ARE TO REMAIN IN PLACE, OR WHICH ARE TO REMAIN THE PROPERTY OF THE AUTHORITY, THE DAMAGED MATERIAL SHALL BE REPAIRED OR REPLACED IN A MANNER SATISFACTORY TO THE ENGINEER, AT THE EXPENSE OF THE CONTRACTOR.
10. IT WILL BE THE CONTRACTOR'S OBLIGATION AND RESPONSIBILITY TO USE METHODS AND EQUIPMENT WHICH WILL INSURE THE SATISFACTORY COMPLETION OF THE REQUIRED WORK WITH A MINIMUM OF DELAY.
11. PROTECTION OF THE PUBLIC: THE CONTRACTOR SHALL MAINTAIN AND PROTECT THRUWAY TRAFFIC IN ACCORDANCE WITH ITEM 619.01, THE TRAFFIC CONTROL SHEETS AND PERTINENT PROVISIONS OF THE NEW YORK STATE MANUAL OF TRAFFIC CONTROL DEVICES (1983 EDITION). THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE REQUIREMENTS OF SECTION 107, LEGAL RELATIONS AND RESPONSIBILITY TO THE PUBLIC, OF THE STANDARD SPECIFICATIONS DATED JANUARY 2, 1985, INCLUDING ADDENDUM #1 ADOPTED MAY 15, 1986.
12. ALL EXPOSED EDGES OF CONCRETE ARE TO BE CHAMFERED ONE INCH UNLESS OTHERWISE NOTED.
13. THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE FACT THAT, DUE TO THE NATURE OF RECONSTRUCTION PROJECTS, THE EXACT EXTENT OF RECONSTRUCTION WORK CANNOT ALWAYS BE ACCURATELY DETERMINED PRIOR TO THE COMMENCEMENT OF WORK. THESE CONTRACT DOCUMENTS HAVE BEEN PREPARED BASED ON FIELD INSPECTION AND OTHER INFORMATION AVAILABLE AT THE TIME. ACTUAL FIELD CONDITIONS MAY REQUIRE MODIFICATIONS TO CONSTRUCTION DETAILS AND WORK QUANTITIES. THE CONTRACTOR SHALL PERFORM THE WORK IN ACCORDANCE WITH FIELD CONDITIONS.
14. IF THE CONTRACTOR ELECTS TO PERFORM NIGHTTIME OPERATIONS, THE WORK AREA SHALL BE ILLUMINATED TO THE SATISFACTION OF THE ENGINEER. THE LIGHTING SHALL BE SHIELDED TO AVOID GLARE TO THE TRAFFIC AS DIRECTED BY THE ENGINEER.
15. NO PAYMENT WILL BE MADE FOR WORK CALLED FOR BY NOTES ON THE PLANS, IN THE SPECIFICATIONS AND UNDER THE HEADING "GENERAL NOTES" UNLESS PAYMENT IS SPECIFICALLY INDICATED BY ITEM NUMBER. THE COST OF WORK FOR WHICH NO PAYMENT IS INDICATED SHALL BE INCLUDED IN THE UNIT PRICES BID FOR VARIOUS ITEMS OF THIS CONTRACT.
16. THE CONTRACTOR IS ADVISED THAT ADDITIONAL "NOTES" WILL BE FOUND ON SUBSEQUENT SHEETS OF THE CONTRACT PLANS AND SUCH "NOTES", WHILE PERTAINING TO THE SPECIFIC DRAWINGS THEY ARE PLACED ON, ALSO SUPPLEMENT THE GENERAL NOTES LISTED HEREIN.
17. THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH HIS PROPOSED WORK SCHEDULE AS IT PERTAINS TO LANE CLOSURES ON A WEEKLY BASIS FOR REVIEW AND APPROVAL.
18. STREAM CONSERVATION: DURING THE COURSE OF CONSTRUCTION, THE CONTRACTOR SHALL CONDUCT HIS OPERATIONS IN SUCH A MANNER TO PREVENT OR REDUCE TO A MINIMUM ANY DAMAGE TO ANY STREAM FROM POLLUTION BY DEBRIS, SEDIMENT OR OTHER FOREIGN MATERIAL, OR FROM THE MANIPULATION OF EQUIPMENT AND/OR MATERIALS IN OR NEAR SUCH STREAMS. HE SHALL NOT RETURN DIRECTLY TO A STREAM, OR TO A DITCH IMMEDIATELY FLOWING INTO A STREAM, ANY WATER WHICH HAS BEEN USED FOR WASH PURPOSES OR OTHER OPERATIONS WHICH CAUSE THIS WATER TO BECOME POLLUTED WITH SAND, SILT, CEMENT, OIL, OR OTHER IMPURITIES. IF HE USES WATER FROM A STREAM, HE SHALL CONSTRUCT ANY INTAKE OR TEMPORARY DAM REQUIRED TO PROTECT AND MAINTAIN WATER RIGHTS AND TO SUSTAIN FISH LIFE DOWNSTREAM.

SPECIAL BRIDGE NOTES

1. DESIGN SPECIFICATIONS: CURRENT NEW YORK STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES WITH ALL INTERIM SPECIFICATIONS AND MODIFICATIONS AND 1981 NEW YORK STATE STEEL CONSTRUCTION MANUAL, INCLUDING ADDENDUM NO. 1 ADOPTED 4/1/84.
2. LIVE LOAD: HS20-44 OR TWO (2) 24,000 POUND AXLES SPACED 4'-0" ON CENTER, WHICHEVER GOVERNS.
3. REINFORCING STEEL AND CONCRETE DATA: CONCRETE-MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS OF 3,000 PSI. BAR REINFORCEMENT-ASTM DESIGNATION A615, GRADE 60.
4. THE COST OF ALL JOINT MATERIAL WILL BE INCLUDED IN THE PRICE BID FOR THE VARIOUS ITEMS OF THE CONTRACT EXCEPT AS OTHERWISE SPECIFIED ON THE PLANS.
5. RECORD PLANS: RECORD PLANS FOR THE EXISTING STRUCTURE WILL BE AVAILABLE TO ALL PROSPECTIVE BIDDERS AT THE THRUWAY HEADQUARTERS IN ALBANY PRIOR TO THE LETTING DATE.
6. THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR ALL DAMAGES CAUSED BY HIS OPERATIONS TO THE EXISTING STRUCTURE WHICH IS NOT INCLUDED AS PART OF THE INTENDED WORK. ALL DAMAGE TO THE EXISTING STRUCTURE WHICH IS NOT PART OF THE INTENDED WORK SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR WITHOUT COST TO THE AUTHORITY AND TO THE SATISFACTION OF THE ENGINEER.
7. DURING REMOVAL OPERATIONS, THE CONTRACTOR SHALL NOT BE ALLOWED TO DROP WASTE CONCRETE, DEBRIS OR OTHER MATERIAL TO RIVERS BELOW THE BRIDGE EXCEPT WHERE THE PLANS OR SPECIFICATIONS SPECIFICALLY PERMIT THE DROPPING OF MATERIAL. PLATFORMS, NETS, SCREENS OR OTHER PROTECTIVE DEVICES SHALL BE USED TO CATCH THE MATERIAL. IF THE ENGINEER DETERMINES THAT ADEQUATE DEVICES ARE NOT BEING EMPLOYED, THE WORK SHALL BE SUSPENDED UNTIL ADEQUATE PROTECTION IS PROVIDED.
8. ALL MATERIAL FALLING ON THE AREA BELOW AND ADJACENT TO THE BRIDGE SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR.
9. THE COST OF FURNISHING, INSTALLING, MAINTAINING, REMOVING AND DISPOSING OF ALL PLATFORMS, NETS, SCREENS AND OTHER PROTECTIVE DEVICES SHALL BE INCLUDED IN THE UNIT BID PRICE OF THE APPROPRIATE ITEMS OF THE CONTRACT.
10. EXPOSED REINFORCING STEEL WHICH IS TO REMAIN IN THE STRUCTURE SHALL BE PROTECTED FROM DAMAGE, OR OTHERWISE BE REPLACED AT THE CONTRACTOR'S EXPENSE, AND SANDBLAST CLEANED TO THE SATISFACTION OF THE ENGINEER.
11. WHEN PLACING NEW CONCRETE WITH EXISTING CONCRETE SURFACES, APPLY EPOXY BONDING COMPOUND (ITEM 15555.3502) TO THESE SURFACES AS INDICATED ON THE CONTRACT PLANS.
12. ALL EXPOSED EDGES OF CONCRETE ARE TO BE CHAMFERED ONE INCH UNLESS OTHERWISE NOTED.
13. STREAM CONSERVATION: DURING THE COURSE OF CONSTRUCTION, THE CONTRACTOR SHALL CONDUCT HIS OPERATIONS IN SUCH A MANNER TO PREVENT OR REDUCE TO A MINIMUM ANY DAMAGE TO ANY STREAM FROM POLLUTION BY DEBRIS, SEDIMENT OR OTHER FOREIGN MATERIAL, OR FROM THE MANIPULATION OF EQUIPMENT AND/OR MATERIALS IN OR NEAR SUCH STREAMS. HE SHALL NOT RETURN DIRECTLY TO A STREAM OR TO A DITCH IMMEDIATELY FLOWING INTO A STREAM, ANY WATER WHICH HAS BEEN USED FOR WASH PURPOSES OR OTHER OPERATIONS WHICH CAUSE THIS WATER TO BECOME POLLUTED WITH SAND, SILT, CEMENT, OIL, OR OTHER IMPURITIES. IF HE USES WATER FROM A STREAM, HE SHALL CONSTRUCT ANY INTAKE OR TEMPORARY DAM REQUIRED TO PROTECT AND MAINTAIN WATER RIGHTS AND TO SUSTAIN FISH LIFE DOWNSTREAM.

WORK TO BE DONE

1. REMOVE EXISTING ASPHALT OVERLAY AND MILL SHOULDERS (MP 278.0 - 284.1 WB).
2. COLD MILL CONCRETE PAVEMENT TO REMOVE WHEEL RUTS. REPLACE BROKEN AND FAULTED CONCRETE PAVEMENT WITH FULL DEPTH ASPHALT CONCRETE (MP 278.0 - 284.1 WB).
3. INSTALL PRESSURE RELIEF JOINTS AS SHOWN IN THE PLANS (MP 268.0 - 278.0).
4. INSTALL UNDERDRAIN AT EDGE OF PAYMENT IN THE LOCATIONS SHOWN IN THE PLANS.
5. RECONSTRUCT RIGHT AND MALL SHOULDERS TO THE LIMITS SHOWN IN THE PLANS.
6. EXTEND CULVERTS, ALTER DRAINAGE STRUCTURES, UPGRADE GUIDE RAILING, AND MODIFY EXISTING RIGHT SIDE OVERHEAD STRUCTURE PIER PROTECTION.
7. CONSTRUCT CROSSOVER DECELERATION LANES.
8. REMOVE THE SIDEWALKS AT THE LEY CREEK BRIDGE (MP 279.65) AND RECONSTRUCT THE FASCIAS AS SHOWN IN THE PLANS.
9. SEAL CRACKS IN JOINTS IN CONCRETE PAVEMENT (MP 278.0 - 284.1). INSTALL GEOTEXTILE PAVING FABRIC.
10. MP 268.0 - 278.0: APPLY TACK COAT AND PLACE ASPHALT CONCRETE WHEEL RUT FILLER COURSE. PLACE ASPHALT CONCRETE TRUING AND LEVELING COURSE TO CORRECT CROWN AND PROVIDE SUPERELEVATION.
11. MP 278.0 - 284.1 WB: APPLY TACK COAT AND PLACE ASPHALT CONCRETE TRUING AND LEVELING COURSE TO CORRECT CROWN AND PROVIDE SUPERELEVATION.
12. PLACE ASPHALT CONCRETE TOP COURSE OVER THE TRUING AND LEVELING COURSE AND APPLY ALL PERMANENT PAVEMENT MARKINGS.
13. CLEAN, PRIME AND PAINT THE STEEL BRIDGE RAILING AT THE CHITTENANGO CREEK (MP 273.16), LIMESTONE CREEK (MP 274.18), AND BUTTERNUT CREEK (MP 274.78) BRIDGES AND INSTALL THREE BEAM GUIDE RAILING.
14. REMOUNT AND RELOCATE SIGNS AS SHOWN ON THE PLANS. INSTALL DELINEATORS, MILE AND TENTH MILE MARKERS.

INDEX OF DRAWINGS

DRAWING NO.	TITLE
1	TITLE SHEET
2	INDEX OF DRAWINGS AND NOTES
3	ESTIMATE OF QUANTITIES
4-5	TABLES
6	GUIDE RAIL TABLE
7-8	TYPICAL SECTIONS
9	MISCELLANEOUS TYPICAL SECTIONS AND DETAILS
10	GENERAL PLAN
11-39	PLAN SHEETS
40	DRAINAGE ALTERATION AND GRADE ADJUSTMENT AT EXISTING SIGN DETAILS
41	MISCELLANEOUS PAVEMENT DETAILS
42	PAVEMENT TRANSITION AND OVERLAY DETAILS
43	OVERLAY AND MISCELLANEOUS DETAILS
44	MARKER AND SPOIL DETAILS
45	PAVEMENT MARKING DETAILS
46	PROPOSED SHOULDER PIER PROTECTION
47	MISCELLANEOUS GUIDE RAIL DETAILS
48	DETAILS FOR ATTACHING THREE BEAM RAILING TO BRIDGE RAILING
49	TRANSITION FROM THREE BEAM BRIDGE RAILING UPGRADING TO CORRUGATED BEAM TYPE GUIDE RAILING
50-56	CROSS SLOPE ADJUSTMENT
57	LEY CREEK FASCIA RECONSTRUCTION DETAILS
58	STEEL BRIDGE RAILING - TWO RAIL
59	TWO-LANE THRUWAY TRAFFIC CONTROL PLAN
60	TRAFFIC CONTROL AT INTERCHANGES, SERVICE AREAS AND PARKING AREAS
61	THRUWAY TRAFFIC PLANS FOR MISCELLANEOUS OPERATIONS

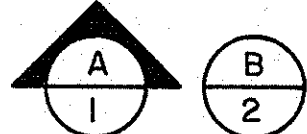
SPECIAL NOTES

-RECYCLE OPTION: THE CONTRACTOR HAS THE OPTION OF RECYCLING RECLAIMED ASPHALT PAVEMENT OBTAINED BY REMOVAL OF THE EXISTING ASPHALT OVERLAYS AND SHOULDERS AS SHOWN ON THE PLANS. THIS MILLED ASPHALT SHALL REMAIN THE PROPERTY OF THE AUTHORITY AND, IF NOT USED FOR PAVEMENT RECYCLING, SHALL BE DELIVERED TO DESIGNATED LOCATIONS WITHIN THE PROJECT LIMITS DETERMINED BY THE ENGINEER OR USED AS SHOULDER BACK UP MATERIAL AT THE CONTRACTOR'S OPTION.

-OVERLAY REMOVAL: ASPHALT OVERLAY REMOVAL IN PAVEMENT AREAS, IF NOT DONE BY MILLING, SHALL BE ACCOMPLISHED IN SUCH A MANNER THAT THE REMAINING OVERLAY IN THE ADJACENT TRAFFIC-CARRYING LANE SHALL REMAIN INTACT. NO EXTRA PAYMENT FOR SAWCUTTING THE OVERLAY SHALL BE MADE IF THE CONTRACTOR ELECTS TO USE A METHOD OTHER THAN MILLING TO REMOVE THE OVERLAY.

-RETENTION OF MATERIAL: ALL MATERIAL REMOVED UNDER ITEMS 202.20, 18490.4032, AND 18490.5022 SHALL REMAIN THE PROPERTY OF THE AUTHORITY. ASPHALT CONCRETE SHALL BE USED AS STATED ABOVE. CEMENT CONCRETE MILLINGS, IF REMOVED SEPARATELY FROM THE ASPHALT REMOVAL, SHALL BE STOCKPILED AT INTERCHANGE 35 IN AN AREA DESIGNATED BY THE AUTHORITY.

LEGEND



DENOTES THE LOCATION AND REFERENCE OF A SECTION, ELEVATION OR DETAIL. A LETTER IN THE UPPER HALF OF THE CIRCLE IS USED TO REFERENCE THE SECTION, ELEVATION OR DETAIL. THE NUMBER IN THE LOWER HALF OF THE CIRCLE IS THE DRAWING NUMBER WHERE THE SECTION, ELEVATION OR DETAIL CAN BE FOUND.

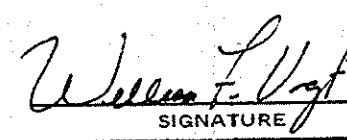

NO AS-BUILT REVISIONS

AS-BUILT REVISIONS	
SIGNATURE	DATE
NEW YORK STATE THRUWAY AUTHORITY DEPARTMENT OF ENGINEERING AND MAINTENANCE 200 SOUTHERN BLVD., ALBANY, N.Y. 12209	
TITLE OF PROJECT ROADWAY REHABILITATION	
LOCATION OF PROJECT M.P. 267.0 ± — M.P. 285.2 ±	
TITLE OF DRAWING INDEX OF DRAWINGS AND NOTES	
DRAWN BY: CD	CHECKED BY: LJF
DATE: 1/12/88	DRAWING NUMBER: 2
TAS 88 - 5	

QUANTITY TABLE				
ITEM	DESCRIPTION	UNIT	ESTIMATE	FINAL
201.0601	CLEARING & GRUBBING	LS	NEC	100.00%
202.20	REMOVING OLD BITUMINOUS CONCRETE OVERLAY	SY	102500.0	99946.90
203.01	UNCLASSIFIED EXCAVATION AND EMBANKMENT	CY	7800.0	14473.56
25203.022502	REMOVING CONCRETE PAVEMENT (FULL DEPTH)	SY	780.0	1340.50
203.17	CLEANING CULVERTS	LF	9400.0	8246.00
203.18	CLEANING CLOSED DRAINAGE SYSTEMS	LF	800.0	916.00
01203.51	GRADING, CLEANING AND SHAPING EXIST. DITCHES AND BACKSLOPES	LF	6700.0	8653.60
25203.51	ESTABLISHING NEW DITCHES AND SLOPES	LF	280.0	172.00
206.02	TRENCH AND CULVERT EXCAVATION	CY	8500.0	5959.84
207.03	GEOTEXTILE UNDERDRAIN	SY	44000.0	44704.82
25207.10	GEOTEXTILE PAVING FABRIC	LF	190000.0	194622.00
209.01	TEMP. SOIL EROSION AND WATER POLLUTION CONTROL	FLS	NEC	100.00%
304.03	SUBBASE COURSE TYPE 2	CY	18000.0	20789.43
403.13	ASPHALT CONCRETE-TYPE 3 BINDER COURSE	T	6000.0	5303.36
403.15	ASPHALT CONCRETE-TYPE 5 SHIM COURSE	T	11.0	6.94
403.1701	ASPH CONC - TYPE 6F TOP COURSE (HIGH FRICTION)MARSHALL DESIGN	T	53000.0	47379.02
25403.1987	ASPHALT CONC TYPE 7F WHEEL RUT FILLER COURSE (HS MOD. SCREED)	T	15000.0	12484.50
403.21	ASPHALT CONCRETE-TRUING & LEVELING COURSE	T	85000.0	103604.48
407.0101	TACK COAT	GAL	42500.0	47130.00
18490.4032	COLD MILL, SHAP. & REM OF BIT. CONC. PAVEMENT	SY	61000.0	81953.39
18490.5022	COLD MILL, SHAP. & REM OF PORT CEMENT CONCRETE PAVEMENTS	SY	102000.0	99459.00
25502.45	INSTALLING TRANSVERSE PRESSURE RELIEF JOINTS	LF	2550.0	2684.00
25502.50	SAW CUTTING ASPHALT CONCRETE - (FULL DEPTH)	LF	8800.0	8476.56
25502.5101	SAWING AND FILLING ASPHALT CONCRETE PAVEMENT	LF	640.0	640.00
25502.5201	SAW CUTTING REINFORCED CONCRETE PAVEMENT (FULL DEPTH)	LF	290.0	337.00
25555.0354	CONCRETE FOR STRUCTURES, CLASS D	SF	320.0	397.51
15555.3502	EPOXY BONDING COMPOUND	GAL	8.0	1.00
556.0202	EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES	LB	2550.0	3094.30
25558.5001	MEMBRANE WATERPROOFING SYSTEM FOR STRUCTURAL SLABS	SF	4450.0	4428.00
25568.1001	STEEL BRIDGE RAILING (2 RAIL CURBLESS)	LF	121.0	121.10
568.32	CEMENT MORTAR PADS	EA	12.0	12.00
570.0301	MAINTENANCE CLEAN AND PRIME OF STRUCTURAL STEEL (LOC. 1)	LS	NEC	100.00%
570.0302	MAINTENANCE CLEAN AND PRIME OF STRUCTURAL STEEL (LOC. 2)	LS	NEC	100.00%
570.0303	MAINTENANCE CLEAN AND PRIME OF STRUCTURAL STEEL (LOC. 3)	LS	NEC	100.00%
570.0401	MAINTENANCE PAINTING OF STRUCTURAL STEEL (LOC. 1)	LS	NEC	100.00%
570.0402	MAINTENANCE PAINTING OF STRUCTURAL STEEL (LOC. 2)	LS	NEC	100.00%
570.0403	MAINTENANCE PAINTING OF STRUCTURAL STEEL (LOC. 3)	LS	NEC	100.00%
570.08	ENVIRONMENTAL WATERWAY PROTECTION	LS	NEC	100.00%
580.01	REMOVAL OF STRUCTURAL CONCRETE	CY	0.5	0.77
25580.52	REMOVAL OF CURBS AND SIDEWALKS	CY	15.0	16.36

QUANTITY TABLE				
ITEM	DESCRIPTION	UNIT	ESTIMATE	FINAL
586.01	DRILL & GROUT BOLTS OR REINFORCING BARS	LF	228.0	30.00
587.02	BR RAILING REMOVAL & STORAGE	LF	86.0	81.90
587.20	THRIE BEAM BRIDGE RAIL- ATTACH. TO EXIST BRIDGE RAIL	LF	1300.0	1288.70
603.0509	CORR ST PIPE (2-2/3X1/2) 12 IN. DIAM., 16 GAUGE	LF	84.0	87.00
603.0520	CORR ST PIPE (2-2/3X1/2) 24 IN. DIAM., 16 GAUGE	LF	468.0	695.00
603.0524	CORR ST PIPE (2-2/3X1/2) 30 IN. DIAM., 16 GAUGE	LF	442.0	422.00
603.0529	CORR ST PIPE (2-2/3X1/2) 36 IN. DIAM., 16 GAUGE	LF	24.0	40.00
603.1709	GALV ST END-SECTIONS-PIPE (2-2/3X1/2) 12 IN.D 16 GA.	EA	10.0	10.00
603.1720	GALV ST END-SECTIONS-PIPE (2-2/3X1/2) 24 IN.D 16 GA.	EA	74.0	79.00
603.1725	GALV ST END-SECTIONS-PIPE (2-2/3X1/2) 30 IN.D 14 GA.	EA	63.0	59.00
603.1730	GALV ST END-SECTIONS-PIPE (2-2/3X1/2) 36 IN.D 14 GA.	EA	4.0	6.00
25603.9701	REMOVAL OF EXISTING DRAINAGE STRUCTURES	EA	141.0	138.00
25603.9825	EXTENSION CONNECTION TO EXISTING DRAINAGE SYSTEM	EA	142.0	141.00
604.05	DROP INLETS	LF	8.0	15.69
25604.070101	ALTERING DRAINAGE STRUCTURE TYPE A	EA	15.0	17.00
25604.070201	ALTERING DRAINAGE STRUCTURE, TYPE B	EA	1.0	1.00
15604.11	CLEANING EXISTING CB, MH, FI AND DI	EA	35.0	36.00
25605.0625	CONNECTIONS TO EXISTING DRAINAGE SYSTEM	EA	84.0	88.00
605.1001	UNDERDRAIN FILTER TYPE 2	CY	5400.0	5140.45
605.1502	PERF COR POLYETHYLENE UNDRDRN TUBING 6 INCH DIAMETER	LF	64000.0	60046.26
606.10	BOX BEAM GUIDE RAILING	LF	2952.0	3389.00
25606.1001	BOX BEAM GUIDE RAILING (ATTACHED TO CONCRETE BARRIER)	LF	936.0	934.00
606.11	BOX BEAM GUIDE RAILING (SHOP CURVED)	LF	882.0	882.00
606.14	BOX BEAM GUIDE RAILING END ASSEMBLY	EA	31.0	30.00
606.20	CORRUGATED BEAM GUIDE RAILING	LF	4025.0	3900.00
606.21	CORRUGATED BEAM MALL BARRIER	LF	1650.0	1650.00
606.22	ANCHORAGE UNITS FOR CORRUGATED BEAM GUIDE RAILING	EA	26.0	26.00
606.24	ANCHORAGE UNITS FOR CORRUGATED BEAM MALL BARRIER	EA	1.0	1.00
25606.3202	PRECAST CONC. MEDIAN BARRIER (HALF SECTION)	LF	300.0	300.00
25606.3251	RESETTING CONCRETE BARRIER	LF	1450.0	1410.00
10606.3299	BACK UP POSTS FOR HALF SECTION CONCRETE BARRIER	EA	60.0	60.00
15606.4801	1 BEAM BACK UP POSTS FOR GUIDE RAILS	EA	288.0	294.00
606.52	RESET BOX BEAM GUIDE RAILING	LF	1422.0	1314.00
606.61	REMOVING & STORING CABLE GUIDE RAILING	LF	463.0	463.00
606.62	REMOVING & STORING CORRUGATED BEAM GUIDE RAILING	LF	1915.0	2212.50
606.64	REMOVING & STORING BOX BEAM GUIDE RAILING	LF	2954.0	3298.00
606.66	REMOVING & STORING ANCHORAGE UNITS FOR CABLE GUIDE RAILING	EA	1.0	1.00
606.67	REMOVE & STORE ANCHOR UNIT FOR CORR BEAM GD RAIL & MALL BARR	EA	13.0	13.00
606.68	REMOVE & STORE BX BEAM GUIDE RAILING END ASSEMBLY	EA	46.0	46.00

QUANTITY TABLE				
ITEM	DESCRIPTION	UNIT	ESTIMATE	FINAL
25606.8101	REMOVE & STORE GD RAIL TRANS CORR BM TO BOX BM (1 OR 2 WAY)	EA	6.0	6.00
606.86	GUIDE RAIL TRANSITION CORR. BEAM TO THRIE BEAM	EA	12.0	12.00
610.0202	SEEDING	A	1.0	1.96
613.0101	TOPSOIL	CY	425.0	617.25
619.01	BASIC MAINTENANCE & PROTECTION OF TRAFFIC	LS	NEC	100.00%
619.02	CONSTRUCTION SIGNS	LS	NEC	100.00%
15619.0303	FLASHING ARROW BOARDS	LS	NEC	100.00%
619.0413	TYPE III CONSTRUCT. BARRICADES	LF	96.0	128.00
619.15	PAVEMENT DELINEATION	LF	283000.0	580624.00
619.17	TEMPORARY CONC BARRIER	LF	840.0	840.00
25633.05	FILLING JOINTS AND CRACKS	LF	50200.0	45770.00
25633.10	PARTIAL DEPTH JOINT AND CRACK REPAIR	LF	5000.0	4508.50
25637.070102	ENGINEER'S OFFICE - TYPE C	MOS	10.0	9.00
25645.4001	REBUILD N.Y. SIGN, 72 IN. X 48 IN.	EA	2.0	2.00
646.0601	DELINEATOR SGLE UNIT ONE WAY ON POST	EA	1428.0	1270.00
646.0606	DELINEATOR DBL UNIT ON POST	EA	136.0	129.00
25646.0625	INSTALL TENTH MILE MARKERS	EA	235.0	235.00
25646.1032	REMOVE AND RESET EXISTING DELINEATORS AND MILE MARKERS	EA	42.0	71.00
25646.50	REMOVE AND DISPOSE OF DELINEATORS AND MILE MARKERS	EA	1075.0	1097.00
647.11	RELOCATING SIGNS SIZE B (11-20 SF)	EA	17.0	18.00
647.12	RELOCATING SIGNS SIZE C (21-40 SF)	EA	1.0	1.00
15654.6802	INERTIAL BARRIER MODULE (400 POUNDS)	EA	2.0	2.00
15654.6803	INERTIAL BARRIER MODULE (700 POUNDS)	EA	4.0	4.00
15654.6804	INERTIAL BARRIER MODULE (1400 POUNDS)	EA	4.0	4.00
15654.6805	INERTIAL BARRIER MODULE (2100 POUNDS)	EA	2.0	2.00
655.02	FRAMES AND GRATES (FABRICATED)	SF	128.1	154.50
18685.060103	WHITE EPOXY REFLECTORIZED PAVEMENT STRIPES	LF	40100.0	25588.00
25688.0199	WHITE PREFORMED RETRO-REFLECTIVE PAVEMENT MARKINGS	LF	35600.0	32710.00
25699.0011	ASPHALT PRICE ADJUSTMENT (PAYMENT)	D-C	90000.0	0.00
25699.0012	ASPHALT PRICE ADJUSTMENT (CREDIT)	D-C	0.0	163933.26
25699.0013	FUEL PRICE ADJUSTMENT (PAYMENT)	D-C	100.0	0.00
25699.0014	FUEL PRICE ADJUSTMENT (CREDIT)	D-C	0.0	0.00
699.04	MOBILIZATION	LS	NEC	100.00%
900.8805	REPAIR OF LEY CREEK BR. DECK WESTBOUND	LS		100.00%
902.8805	LIGHT STONE FILL	TON		1014.97
903.8805	REMOVAL OF DETERIORATED ASPHALT EASTBOUND	LS		100.00%
904.8805	COST INCURRED FOR ORDERED SHUTDOWN	LS		100.00%
905.8805	LIGHTED MESSAGE BOARD	MON		3.50

AS-BUILT REVISIONS	
FINAL QUANTITIES ADDED	
 4/8/88 SIGNATURE DATE	
NEW YORK STATE THRUWAY AUTHORITY DEPARTMENT OF ENGINEERING AND MAINTENANCE 200 SOUTHERN BLVD., ALBANY, N.Y. 12209	
TITLE OF PROJECT ROADWAY REHABILITATION	
LOCATION OF PROJECT M.P. 267.0 ± - M.P. 285.2 ±	
TITLE OF DRAWING ESTIMATE OF QUANTITIES	
	DRAWN BY: CAD CHECKED BY: LJF DATE: 1-8-88 DRAWING NUMBER: 3
TAS 88-5	

PAVEMENT CORE LOG		
LOCATION	CORE NO.	DEPTH OF EXISTING ASPHALT OVERLAY (IN.)
WESTBOUND		
MP 278.00 DRIVING LANE	C-1	1 5/8
MP 278.50 PASSING LANE	C-2	3
MP 279.00 PASSING LANE	C-3	2 7/8
MP 279.50 DRIVING LANE	C-4	3 1/4
MP 279.65 LEY CREEK BRIDGE - DRIVING LANE	C-5	4
MP 279.65 LEY CREEK BRIDGE - PASSING LANE	C-6	4 3/4
MP 280.00 DRIVING LANE	C-7	3
MP 280.375 PASSING LANE	C-8	3 1/8
MP 280.50 DRIVING LANE	C-9	4
MP 280.80 PASSING LANE	C-10	3 1/4
MP 281.10 DRIVING LANE	C-11	3
MP 281.40 PASSING LANE	C-12	3 7/8
MP 281.675 DRIVING LANE	C-13	3 1/4
MP 282.00 PASSING LANE	C-14	3 1/2
MP 282.40 DRIVING LANE	C-15	4 1/8
MP 282.62 BEAR TRAP		
CREEK CULVERT - CENTER LINE	C-16	4 1/8
MP 282.80 PASSING LANE	C-17	3 3/8
MP 283.35 DRIVING LANE	C-18	5 1/2
MP 283.90 PASSING LANE	C-19	4 1/8
MP 278.00 RIGHT SHOULDER	C-20	3 3/4
MP 279.50 RIGHT SHOULDER	C-21	6
MP 280.375 MALL SHOULDER	C-22	4 3/4
MP 281.00 RIGHT SHOULDER	C-23	5 3/8
MP 282.50 RIGHT SHOULDER	C-24	7 1/4
MP 277.39 DRIVING LANE	C-25	2 15/16
MP 276.01 DRIVING LANE	C-26	6 1/4
MP 274.80 PASSING LANE	C-27	5
MP 274.78 BUTTERNUT CREEK BRIDGE - PASSING LANE	C-28	1 1/4
MP 274.78 PASSING LANE	C-29	3
MP 274.48 PASSING LANE	C-30	1 1/2
MP 274.20 PASSING LANE	C-31	5 1/2
MP 274.18 LIMESTONE CREEK BRIDGE - PASSING LANE	C-32	2 9/16
MP 274.17 PASSING LANE	C-33	4
MP 273.17 PASSING LANE	C-34	1 15/16
MP 273.16 CHITTENANGO CREEK BRIDGE - PASSING LANE	C-35	1
MP 273.15 PASSING LANE	C-36	3 1/16
MP 271.84 DRIVING LANE	C-37	5
MP 269.37 DRIVING LANE	C-38	2 3/4
EASTBOUND		
MP 277.39 DRIVING LANE	C-39	3 1/4
MP 276.01 DRIVING LANE	C-40	3 1/2
MP 274.80 PASSING LANE	C-41	5 1/2
MP 274.78 BUTTERNUT CREEK BRIDGE - PASSING LANE	C-42	3/4
MP 274.78 PASSING LANE	C-43	4 3/8
MP 274.48 - PASSING LANE	C-44	3
MP 274.20 PASSING LANE	C-45	4 1/2
MP 274.18 - LIMESTONE CREEK BRIDGE - PASSING LANE	C-46	2 3/4
MP 274.17 PASSING LANE	C-47	4 5/8
MP 273.29 DRIVING LANE	C-48	3 3/8
MP 273.17 PASSING LANE	C-49	3 3/8
MP 273.16 CHITTENANGO CREEK BRIDGE - PASSING LANE	C-50	1 3/8
MP 273.15 PASSING LANE	C-51	3 3/8
MP 271.84 DRIVING LANE	C-52	4 1/2

NOTE:

Table based on cores taken in January, 1987 (Milepost 278.0 to 284.0) and October, 1987 (Milepost 268.0 to 278.0). Depths measured at those times are indicated in the table. Any subsequent repairs, if any, by maintenance after the cores were taken are not reflected in the table.

SHOULDER RECONSTRUCTION			
RIGHT SHOULDER		MALL SHOULDER	
LOCATION	LENGTH (Ft.)	LOCATION	LENGTH (Ft.)
EASTBOUND			
* 272.94 - 272.75	1.015		
SUBTOTALS	1.015		
WESTBOUND			
268.00 - 268.01	60	278.00 - 284.10	32,210
270.10 - 270.31	1,085		
270.79 - 270.84	235		
* 272.75 - 272.94	1,020		
275.19 - 275.23	200		
282.90 - 282.92	105		
SUBTOTALS	2,705		32,210
TOTALS	3,720		32,210

* The shoulder at these locations are to be reconstructed with the Deceleration Lane Pavement Section. See section on Drawing 41.

FULL DEPTH PAVEMENT REPLACEMENT						
LOCATION	LENGTH (FT.)			SQUARE YARDS		
M. P.	DRIVING LANE	PASSING LANE	RAMPS	DRIVING LANE	PASSING LANE	RAMPS
EASTBOUND						
277.91	20			27		
WESTBOUND						
278.74 INT. 35 OFF RAMP			40			67
278.84 INT. 35 ON RAMP			40			67
279.64 - 279.65	70	80		94	116	
280.50 - 280.52	95			126		
282.90 INT. 36 OFF RAMP			40			67
283.00 INT. 36 ON RAMP			40			67
283.61 INT. 37 OFF RAMP			40			67
283.72 INT. 37 ON RAMP			40			67
SUBTOTALS				247	116	402
TOTAL					263 S.Y.	1340.5 ②

EXISTING ASPHALT OVERLAY REMOVAL TABLE (ITEM 202.20)				
LOCATION	LENGTH (FT.)		SQUARE YARDS	
M.P. TO M.P.	DRIVING LANE	PASSING LANE	DRIVING LANE	PASSING LANE
MAINLINE WESTBOUND				
278.00 - 284.10	32,400	32,400	43,200	46,800
SUBTOTAL			43,200	46,800
RAMPS WESTBOUND				
			LENGTH (FT.)	SQUARE YARDS
INTERCHANGE 35 OFF RAMP				1,700
INTERCHANGE 35 ON RAMP				2,150
INTERCHANGE 36 OFF RAMP				1,850
INTERCHANGE 36 ON RAMP				1,750
INTERCHANGE 37 OFF RAMP				2,100
INTERCHANGE 37 ON RAMP				2,200
SUBTOTAL				11,750
SHOULDERS WESTBOUND				
268.33 - 268.37			215	240
273.36 - 273.40			160	180
273.93 - 273.94			90	100
SUBTOTAL				520
TOTAL				102,270 S.Y.

UNDERDRAIN PIPE INSTALLATION TABLE		
M.P. TO M.P.	LOCATION	LENGTH OF UNDERDRAIN (FT.)
EASTBOUND		
276.38 - 276.36	RIGHT SHOULDER	100
276.32 - 276.20	RIGHT SHOULDER	620
276.03 - 275.95	RIGHT SHOULDER	380
274.50 - 274.45	RIGHT SHOULDER	205
273.31 - 273.25	RIGHT SHOULDER	395
272.94 - 272.71	RIGHT SHOULDER	1,200
WESTBOUND		
268.00 - 268.01	RIGHT SHOULDER	70
268.87 - 268.89	RIGHT SHOULDER	235
268.96 - 269.20	RIGHT SHOULDER	1,280
269.75 - 269.82	RIGHT SHOULDER	270
269.92 - 269.98	RIGHT SHOULDER	315
270.79 - 270.84	RIGHT SHOULDER	235
272.72 - 272.88	RIGHT SHOULDER	835
273.23 - 273.24	RIGHT SHOULDER	90
274.49 - 274.52	RIGHT SHOULDER	150
275.14 - 275.23	RIGHT SHOULDER	485
275.80 - 275.81	RIGHT SHOULDER	90
276.04 - 276.19	RIGHT SHOULDER	785
276.42 - 276.46	RIGHT SHOULDER	195
276.52 - 276.70	RIGHT SHOULDER	810
277.00 - 277.03	RIGHT SHOULDER	145
277.04 - 277.06	RIGHT SHOULDER	125
278.00 - 278.30	RIGHT SHOULDER	1,580
278.00 - 278.20	LEFT SHOULDER	1,045
278.60 - 279.10	LEFT SHOULDER	2,650
278.70 - 278.72	RIGHT SHOULDER	150
278.72 - 278.78	RIGHT SHOULDER	310
279.15 - 279.20	RIGHT SHOULDER	270
279.22 - 283.95	LEFT SHOULDER	24,925
279.30 - 279.68	RIGHT SHOULDER	1,960
279.90 - 280.30	RIGHT SHOULDER	2,120
280.83 - 281.20	RIGHT SHOULDER	1,940
281.30 - 281.61	RIGHT SHOULDER	1,650
281.74 - 282.56	RIGHT SHOULDER	4,335
282.63 - 282.64	RIGHT SHOULDER	70
282.65 - 282.89	RIGHT SHOULDER	1,310
282.89 - 283.01	RIGHT SHOULDER	650
283.01 - 283.60	RIGHT SHOULDER	3,120
283.60 - 283.73	RIGHT SHOULDER	750
283.73 - 283.90	RIGHT SHOULDER	900
	SUBTOTAL	58,750
	LATERALS	5,170
	TOTAL	63,920 60,046 ②

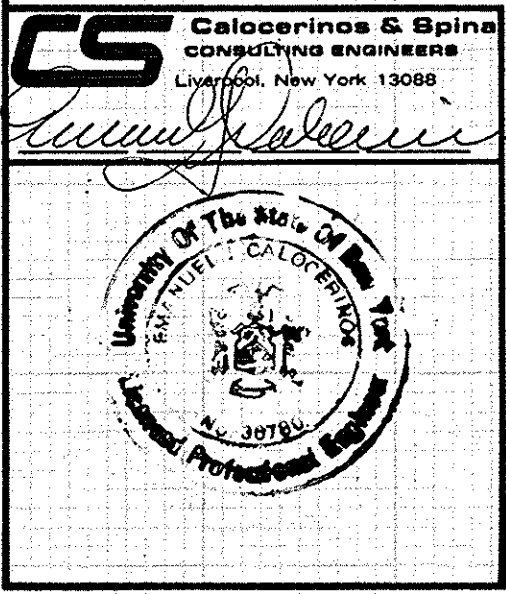
SIGN RELOCATION TABLE

LOCATION (M.P.)±	ITEM 647.11	ITEM 647.12
270.00 W.B.	1	
272.07 E.B.	1	
276.00 W.B.	1	
276.36 W.B.	1	
277.10 W.B.	1	
277.14 E.B.	1	
277.19 W.B.	1	
277.98 E.B.	1	
277.99 W.B.	1	
278.63 W.B.	1	
278.85 W.B.	1	
279.22 W.B.	1	
280.17 W.B.	1	
282.50 W.B.		1
282.82 W.B.	1	
282.99 W.B.	1	
283.45 W.B.	1	
284.97 W.B.	1	
① 270.85 E.B. & W.B.	2	

NOTE: ALL THE SIGNS LISTED ARE BEING RELOCATED IN THE SAME LOCATION WITH NEW BREAKAWAY POSTS EXCEPT FOR THE SIGN AT M.P. 283.97± WHICH IS BEING RELOCATED TO A DIFFERENT LOCATION ON A NEW BREAKAWAY POST. SEE THE PLANS FOR NEW LOCATION.

NOTES:

- LATERAL LOCATIONS TO BE AT 250'± INTERVALS A.O.B.E.
- CERTAIN SECTIONS OF UNDERDRAIN WILL BE CONNECTED TO EXISTING DRAINAGE. CONNECTIONS WILL BE DETERMINED BY THE ENGINEER. PAYMENT WILL BE MADE UNDER ITEM 25605,0625.
- SEE DRAWING 9 FOR INSTALLATION DETAILS.



IN CHARGE OF: J. W. Franz, Jr., P.E.
MADE BY: S. H. George, P.E.

As BUILT REVISIONS

DATE	DESCRIPTION	BY	SYB
12-8-88	Sign Reloc Table W.E.V.		
12-8-88	Under Drain Pipe Table W.E.V.		
12-8-88	Full Depth Table W.E.V.		

REVISIONS

NEW YORK STATE THRUWAY AUTHORITY
DEPARTMENT OF ENGINEERING AND MAINTENANCE
200 SOUTHERN BLVD., ALBANY, NEW YORK 12209
TITLE OF PROJECT:
ROADWAY REHABILITATION
LOCATION OF PROJECT:
M.P. 267.0 ± - M.P. 285.2 ±
TITLE OF DRAWING:

TABLES



DRAWN BY:
D.K. Mills
CHECKED BY:
D.A. Pilawa
DATE:
November 25, 1987
DRAWING NO.:

4

TAS 88-5

NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.

DRAINAGE MODIFICATIONS				
STRUCTURE NUMBER	LOCATION M.P.	PIPE SIZE (IN.)	MODIFICATION TYPE	MODIFICATION PIPE EXT. (FT.)
EASTBOUND				
114	279.74	24	B	46
151	277.91	30	B	4
155	277.77	30	B	4
156	277.77	30	SEE PLAN SHEET	12
158	277.55	30	B	4
162	277.41	30	B	4
166	277.27	30	B	4
170	277.16	30	B	4
174	277.04	30	B	4
178	277.00	30	B	4
182	276.85	30	B	4
186	276.76	30	B	4
194	276.30	30	B	4
198	276.07	36	B	4
202	275.85	30	B	4
206	275.69	30	B	4
210	275.31	30	B	4
215	275.16	30	B	4
219	275.04	30	B	4
221	274.92	24	B	8
222	274.92	24	B	4
224	274.60	30	B	8
230	274.39	36	B	12
237	274.11	24	B	8
238	274.11	24	B	4
241	273.87	30	B	8
242	273.87	30	SEE PLAN SHEET	--
244	273.66	30	SEE PLAN SHEET	--
248	273.46	30	B	4
253	272.71	24	B	4
267	272.59	30	B	4
270	272.37	24	B	4
274	272.20	24	B	8
278	272.08	24	B	8
282	271.91	24	B	8
284	271.74	24	B	4
288	271.50	24	B	12
292	271.19	24	B	4
295	271.02	24	B	8
299	270.82	24	B	12
303	270.74	24	B	8
307	270.62	24	B	4
310	270.50	24	B	4
311	270.50	24	B	4
314	270.36	24	B	8
315	270.36	24	B	4
318	270.21	24	B	4
322	269.98	24	B	4
323	269.98	24	B	8
324	269.79	24	B	4
328	269.65	24	B	4
329	269.65	24	B	4
332	269.49	24	B	4
337	269.26	24	B	4
339	269.13	24	B	4
341	268.85	24	B	4
345	268.69	24	B	4
349	268.52	24	B	4
352	268.41	24	SEE PLAN SHEET	--
356	268.30	24	B	4
357	268.30	24	B	4
360	268.12	24	B	4
361	268.12	24	SEE PLAN SHEET	30

DRAINAGE MODIFICATIONS				
STRUCTURE NUMBER	LOCATION M.P.	PIPE SIZE (IN.)	MODIFICATION TYPE	MODIFICATION PIPE EXT. (FT.)
WESTBOUND				
359	268.12	24	B	12
355	268.30	24	B	4
354	268.30	24	B	4
351	268.41	24	SEE PLAN SHEET	--
344	268.69	24	B	4
336	269.26	24	B	4
330	269.49	24	B	4
327	269.65	24	B	12
321	269.98	24	B	4
320	269.98	24	B	4
317	270.21	24	B	4
313	270.36	24	B	4
309	270.50	24	B	4
308	270.50	24	B	4
305	270.62	24	B	4
302	270.74	24	B	8
298	270.82	24	B	12
294	271.02	24	B	8
290	271.19	24	B	4
287	271.50	24	B	12
281	271.91	24	B	8
277	272.08	24	B	8
273	272.20	24	B	8
269	272.36	24	B	4
265	272.59	24	B	4
262	272.70	24	B	4
254	273.24	2-24	SEE PLAN SHEET	--
249	273.46	30	B	4
245	273.66	30	SEE PLAN SHEET	--
240	273.87	30	B	8
233	274.28	24	B	12
232	274.39	36	B	4
229	274.47	30	B	4
225	274.60	30	B	8
218	275.04	30	B	4
214	275.16	30	B	4
211	275.31	30	B	4
207	275.69	30	B	4
203	275.85	30	B	4
199	276.07	36	B	4
195	276.30	30	B	4
187	276.76	30	B	4
183	276.85	30	B	4
171	277.16	30	B	4
167	277.27	30	B	4
163	277.41	30	B	8
159	277.55	30	B	4
154	277.77	30	B	4
153	277.77	30	SEE PLAN SHEET	12
150	277.91	30	B	4
146	278.03	30	B	8
145	278.03	30	B	8
142	278.23	30 3/8	B	8
141	278.23	30 3/8	B	8
136	278.66	30	B	8
135	278.85	24	B	4
134	278.85	24	B	4
112	279.74	24	B	12
109	279.84	30	B	22
106	280.07	30	B	4
97	280.49	30	B	12
94	280.58	30	A	16
91	280.86	30	B	4
88	281.07	30	B	28
85	281.26	30	B	16
83	281.38	30	A	8
80	281.49	30	B	24
78	281.59	30	B	12
75	281.66	24	B	4
62	282.12	30	B	16
59	282.29	30	B	8
56	282.40	30	B	4
45	282.12	30	B	4
36	282.29	30 3/4	B	4
35	283.00	30 3/4	B	4
26	283.16	24	B	4
23	283.28	24	B	4
20	283.43	24	B	4
14	283.72	24	SEE PLAN SHEET	--
9	283.84	30	A	20

CULVERT CLEANING TABLE					
STRUCTURE NUMBERS	LOCATION M.P.	PIPE SIZE (IN.)	ITEM 203.17 (L.F.)	ITEM 203.18 (L.F.)	ITEM 15604.11 (EA.)
8-9	283.84	30	80		1 (8)
20-22	283.43	24	150		1 (21)
23-25	283.28	24	140		1 (24)
26-28	283.16	24	80	75	2 (27,28)
31-34	283.05	24		150	3 (31,32,34)
35-36	283.00	24	65		1 (37)
37-38	282.93	24	95		1 (57)
56-58	282.40	30	150		1 (60)
59-61	282.29	30	150		1 (63)
62-64	282.12	30	150		3 (68,69,70)
68-70	281.92	24		125	1 (65)
65-70	281.90	15		180	1 (86)
85-86	281.26	30	80		1 (92)
91-93	280.86	30	140		1 (98)
97-99	280.49	30	130		1 (101)
100-102	280.32	30	160		1 (104)
104-105	280.28	30	80		1 (109)
109-111	279.84	30	130		3 (120,121,122)
120-122	279.20	24		160	1 (127)
126-128	279.08	24	165		
134-135	278.85	24	50		
136-138	278.66	30	160		
139-140	278.37	24	100		
141-144	278.23	30	150		
145-148	278.03	30	140		
149-152	277.91	30	160		
153-156	277.77	30	160		
157-160	277.55	30	155		
161-164	277.41	30	155		
165-168	277.27	30	165		
169-172	277.16	30	170		
177-180	277.00	30	175		
181-184	276.85	30	220		
185-188	276.77	30	190		
193-196	276.30	30	195		
197-200	276.06	36	170		
203-204	275.95	30	80		
207-208	275.69	30	85		
209-210	275.31	30	80		
217-220	275.04	30	170		
221-222	274.92	24	80		
222A-222B	274.80	24	50		
222C-222D	274.77	24	50		
223-226	274.60	30	150		
227-229	274.48	30	180	90	2 (227,228)
231-232	274.39	36	100		1 (231)
233-234	274.28	24	80		
239-242	273.87	30	150		
243-246	273.66	30	165		
247-250	273.46	30	160		
253-254	272.24	24	95		1 (253)
255-255A	273.17	30	50		1 (255)
261-264	272.71	24	150		
265-267	272.59	24	200		1 (266)
268-271	272.37	24	160		
272-273	272.20	24	85		
276-277	272.07	24	85		
280-281	271.91	24	80		
284-285	271.74	24	90		
286-287	271.50	24	75		
295-296	271.02	24	90		
297-300	270.82	24	170		
301-304	270.74	24	165		
308-311	270.50	24	200		
312-315	270.36	24	190		
320-323	269.98	24	200		

CROSSOVER DRAINAGE MODIFICATIONS			
M.P.	PIPE SIZE (IN.)	MODIFICATION TYPE	MODIFICATION PIPE EXT. (FT.)
268.91	12	SEE PLAN SHEET	34
* 272.85	12	SEE PLAN SHEET	12,12
277.07	12	SEE PLAN SHEET	20
278.47	12	SEE PLAN SHEET	--
279.80	12	SEE PLAN SHEET	6

* There are two drainage pipes to be modified at this milepost. One is in the Crossover and the other is in the Maintenance Driveway.

NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.

CULVERT CLEANING TABLE					
STRUCTURE NUMBERS	LOCATION M.P.	PIPE SIZE (IN.)	ITEM 203.17 (L.F.)	ITEM 203.18 (L.F.)	ITEM 15604.11 (L.F.)
324-325	269.79	24	80		
328-329	269.65	24	80		
330-332	269.49	24	205		1 (331)
343-346	268.69	24	165		
348-349	268.52	24	90		1 (348)
350-353	268.41	24	180		
354-357	268.30	24	185		
SUBTOTALS			9110	780	35
CROSSOVER CULVERT CLEANING					
	279.80	12	60		
	278.46	12	45		
	277.07	12	40		
	272.84	12	40		
	268.91	12	40		
SUBTOTALS			225		
TOTALS			9335	780	35

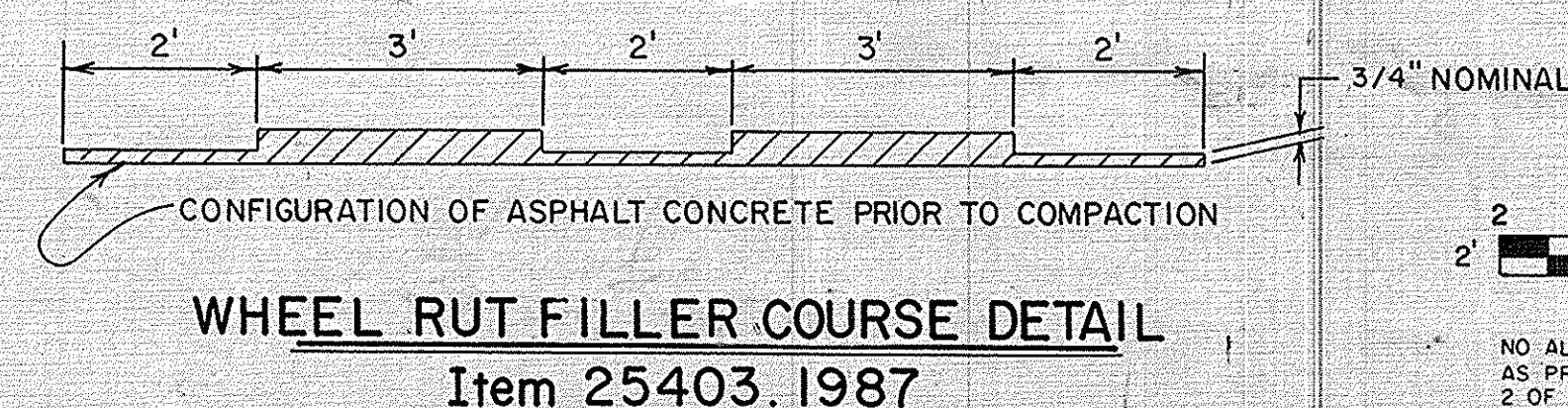
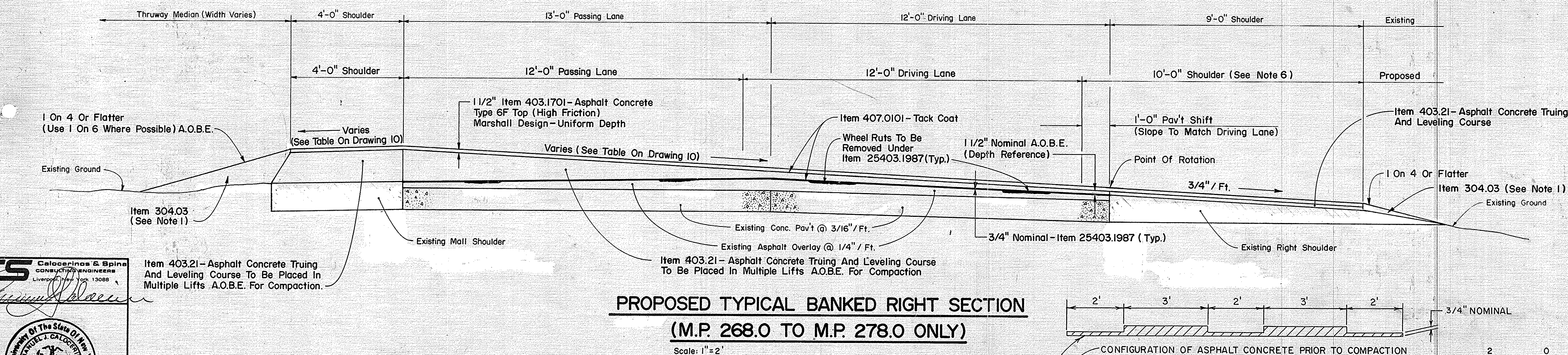
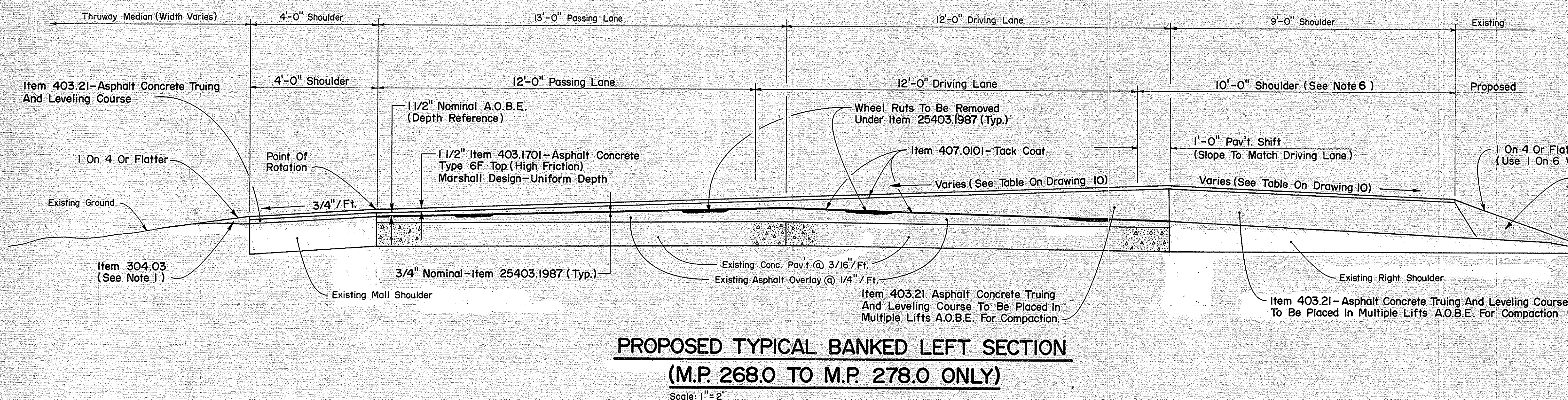
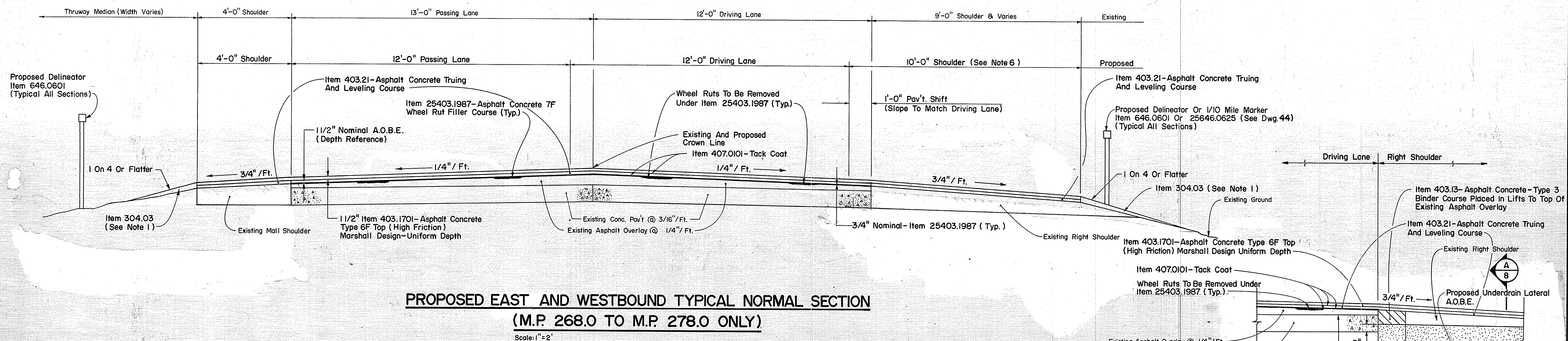
DROP INLET TABLE					
STRUCTURE NUMBERS	LOCATION (M.P.)	ITEM 25604.070101 (EA.)	ITEM 25604.070201 (EA.)	ITEM 655.02 (EA.)	ITEM 604.05 (L.F.)
--	INTERCHANGE 36 OFFRAMP (W.B.)			9.7	4.0 4.27
--	INTERCHANGE 36 OFFRAMP (W.B.)			9.7	4.0 3.92
65	281.88 (MALL)	1		6.6	
68	281.92 (W.B.)	1		6.6	
69	281.92 (MALL)	1		6.6	
70	281.92 (E.B.)		1	9.7	
92	280.86 (MALL)	1		6.6	
101	280.32 (MALL)	1		6.6	
104	280.28 (MALL)	1		6.6	
120	279.20 (W.B.)	1		6.6	
121	279.20 (MALL)	1		6.6	
127	279.08 (MALL)	1		6.6	
137	278.66 (MALL)	1		6.6	
227	274.48 (W.B.)	1		6.6	
228	274.48 (MALL)	1		6.6	
231	274.39 (MALL)	1		6.6	
253	273.24 (MALL)	1		6.6	
255	273.17 (MALL)	1		6.6	
31	283.05 (W.B.)	1		6.6	
132A	278.95 (MALL)	1		6.6	
133	278.99 (E.B.)			6.6	2.83
129	279.01 (E.B.)			6.6	3.67
TOTALS		17	1	154.5	15.69

CS Calcey Inc. & Spina
CONSULTING ENGINEERS
Liverpool, New York 13088
James J. Calcey

UNIVERSITY OF THE STATE OF NEW YORK
EMANUEL J. CALCEY, ESE
No. 36780
Licensed Professional Engineer

NO ALTERATION PERMITTED HEREON EXCEPT
AS PROVIDED UNDER SECTION 7209 SUBDIVISION
2 OF THE NEW YORK STATE EDUCATION LAW.


6

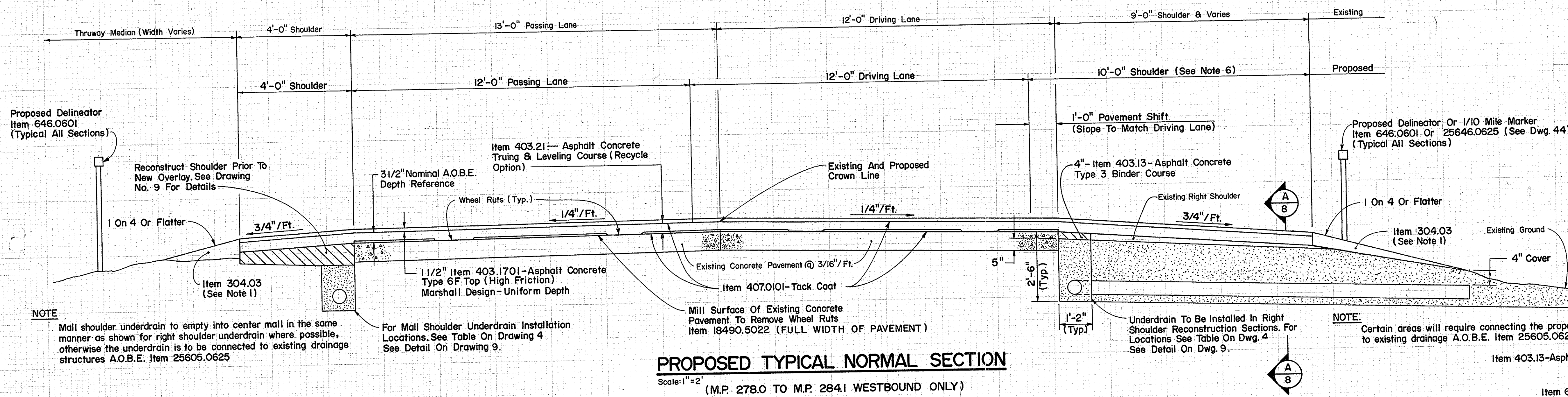


NOTE: Certain Areas Will Require Connecting The Proposed Underdrain Systems To Existing Drainage A.O.B.E. Item 25605.0625.

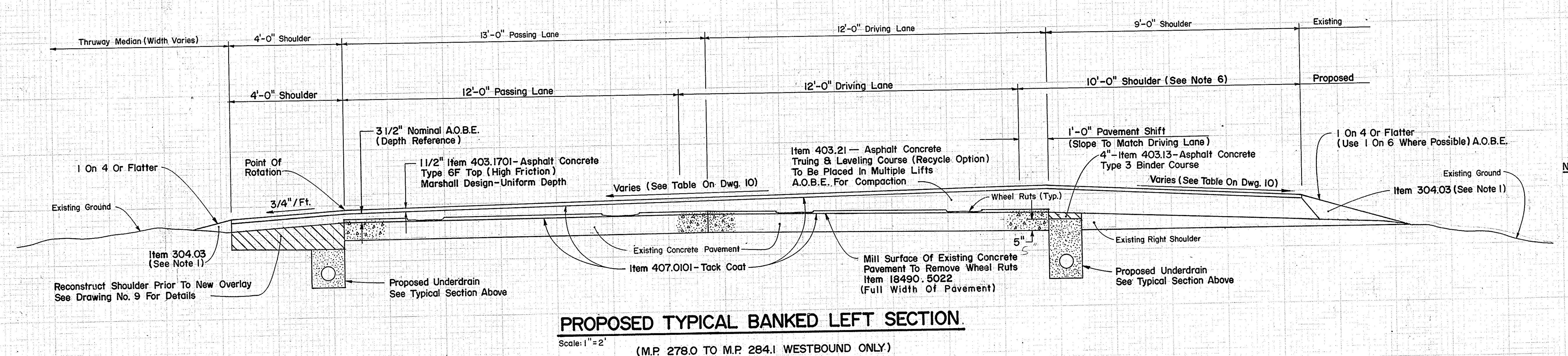
PROPOSED UNDERDRAIN IN EXISTING
RIGHT SHOULDER DETAIL
M.P. 268.0 TO M.P. 278.0 ONLY
Not To Scale

- NOTES:**
1. The contractor, at his option, may use milled material as shoulder backup instead of Item 304.03.
 2. The tack coat is to be applied at a rate of .05 gallons per square yard on the existing pavement and at a rate of .03 gallons per square yard on the truing and leveling course and on the wheel rut filler course.
 3. See Dwg. No. 9 for Typical Section at Overhead Structures.
 4. See cross slope adjustment drawings for limits of superelevation at curves and cross slopes to be used.
 5. The depth of Item 403.21 shall vary in normal and banked areas to correct cross slopes. See Cross Slope Adjustment drawings for depths in banked areas.
 6. Right shoulders will be overlaid to 11'-3" wide where there is guide rail. See Dwg. No. 9 for detail.

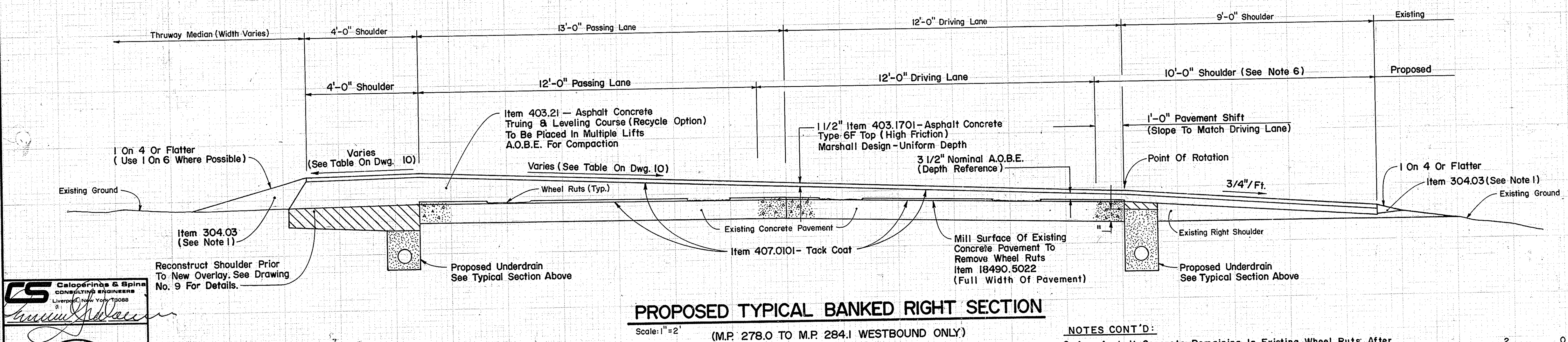
NO		AS-BUILT REVISIONS	
DATE	DESCRIPTION	BY	SY
REVISIONS			
NEW YORK STATE THRUWAY AUTHORITY			
DEPARTMENT OF ENGINEERING AND MAINTENANCE			
200 SOUTHERN BLVD., ALBANY, NEW YORK 12209			
TITLE OF PROJECT			
ROADWAY REHABILITATION			
LOCATION OF PROJECT			
M.P. 267.0t - M.P.285.2t			
TITLE OF DRAWING			
TYPICAL SECTIONS			
		DRAWN BY:	
		D. K. Mills	
		CHECKED BY:	
		D. A. Pilawa	
		DATE:	
		November 25, 1987	
		DRAWING NO.	
		7	
TAS 88-5			



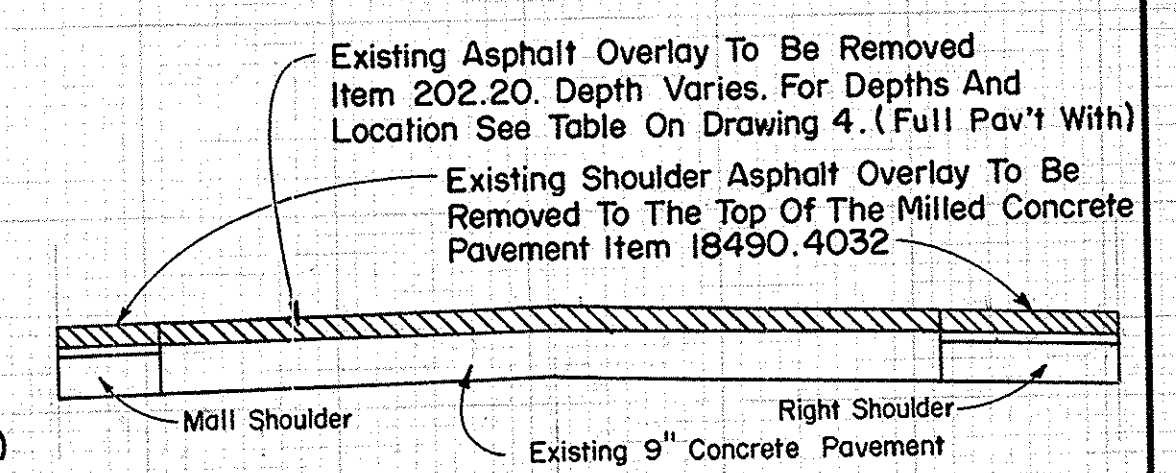
PROPOSED TYPICAL NORMAL SECTION
Scale: 1"=2'
(M.P. 278.0 TO M.P. 284.1 WESTBOUND ONLY)



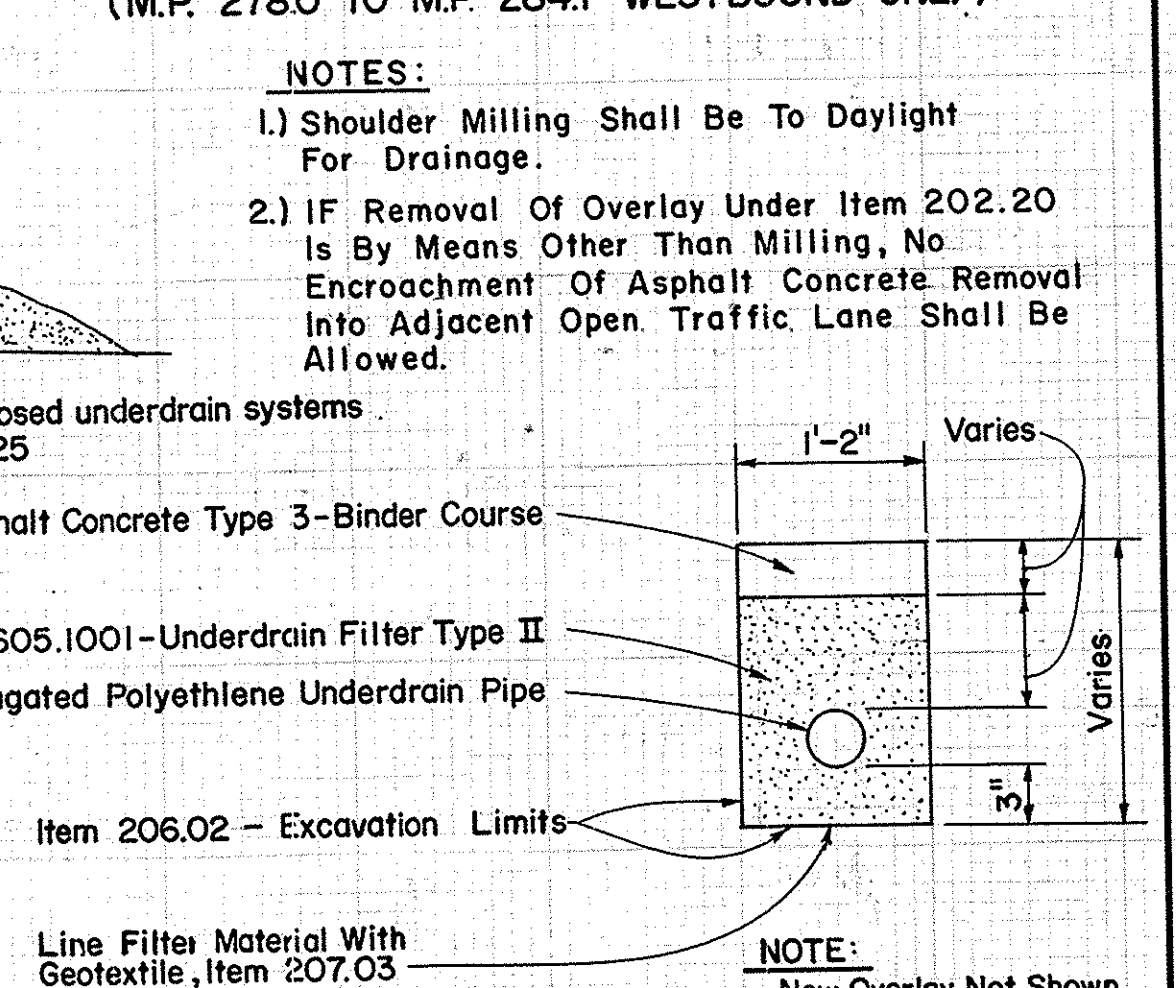
PROPOSED TYPICAL BANKED LEFT SECTION
Scale: 1"=2'
(M.P. 278.0 TO M.P. 284.1 WESTBOUND ONLY)



PROPOSED TYPICAL BANKED RIGHT SECTION
Scale: 1"=2'
(M.P. 278.0 TO M.P. 284.1 WESTBOUND ONLY)



TYPICAL EXISTING ROADWAY PAVEMENT SECTION
Not To Scale
(M.P. 278.0 TO M.P. 284.1 WESTBOUND ONLY)

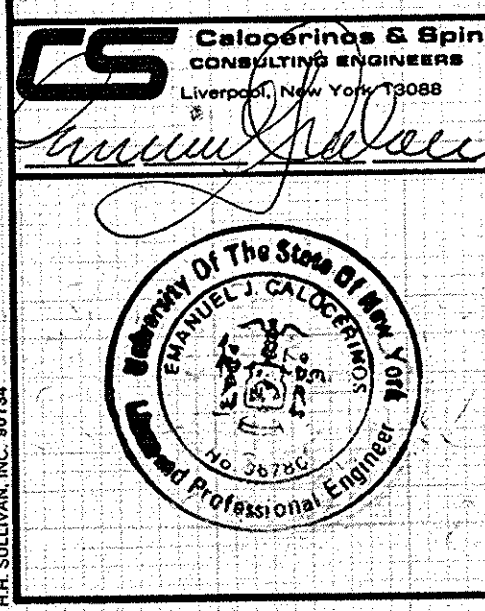


SECTION A
Not To Scale
(UNDERDRAIN LATERALS)

NOTE: Underdrain laterals to be spaced at 250' ± A.O.B.E.

- NOTES:**
- The contractor, at his option, may use milled material as shoulder backup instead of Item 304.03.
 - The tack coat is to be applied at rate of 0.05 gallons per square yard on the existing pavement and at a rate of 0.03 gallons per square yard on the Truing And Leveling Course.
 - See Dwg. No. 9 for Typical Section at Overhead Structures.
 - See Cross Slope Adjustment drawing for limits of superelevation at curves and cross slopes to be used.
 - The depth of Item 403.21 shall vary in normal and banked areas to correct cross slopes. See Cross Slope Adjustment drawings for depths in banked areas.
 - Right shoulders will be overlaid to 11'-3" wide where there is guide rail. See Dwg. No. 9 for detail.
 - After Removal Of Asphalt Overlay In Lane Under Item - 202.20, Contractor Shall Be Required To Mill Concrete Pavement (Item 18490.5022) And Adjacent Shoulder (Item 18490.4032) Prior To Opening Lane To Traffic. Traffic shall Only Be Allowed On Milled Concrete Surface. A Complete Cleaning Of All Milled Surfaces Shall Be Required Prior To Opening To Traffic.

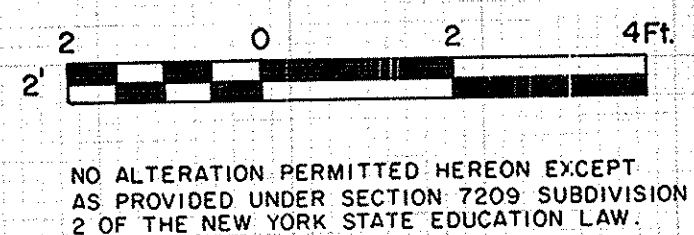
NO AS-BUILT REVISIONS			
DATE	DESCRIPTION	BY	SYB
NEW YORK STATE THRUWAY AUTHORITY DEPARTMENT OF ENGINEERING AND MAINTENANCE 200 SOUTHERN BLVD., ALBANY, NEW YORK 12209			
TITLE OF PROJECT: ROADWAY REHABILITATION			
LOCATION OF PROJECT: M.P. 267.0 ± - M.P. 285.2 ±			
TITLE OF DRAWING: TYPICAL SECTIONS			
DRAWN BY: D.K. Mills			
CHECKED BY: D.A. Filawa			
DATE: November 25, 1987			
DRAWING NO.: 8			
TAS 88-5			



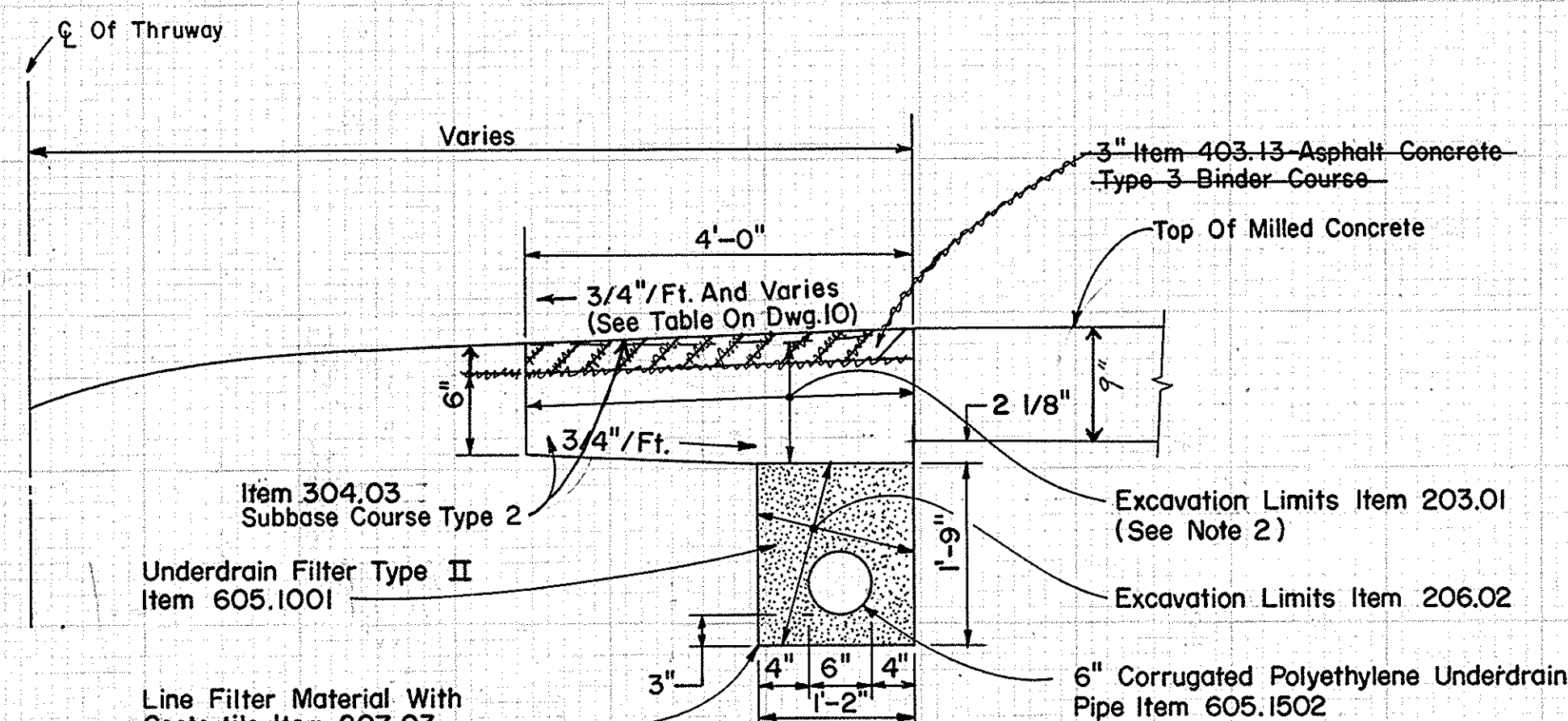
IN CHARGE OF: J.W. Franz, Jr., P.E.
MADE BY: S.H. George, P.E.

NOTES CONT'D:

- Any Asphalt Concrete Remaining In Existing Wheel Ruts After Item 202.20 Is Completed Shall Be Removed Under Item 18490.5022 As Part Of The Concrete Pavement Milling Work. No Separate Payment For This Asphalt Removal Shall Be Made.



NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.



MALL SHOULDER RECONSTRUCTION DETAIL

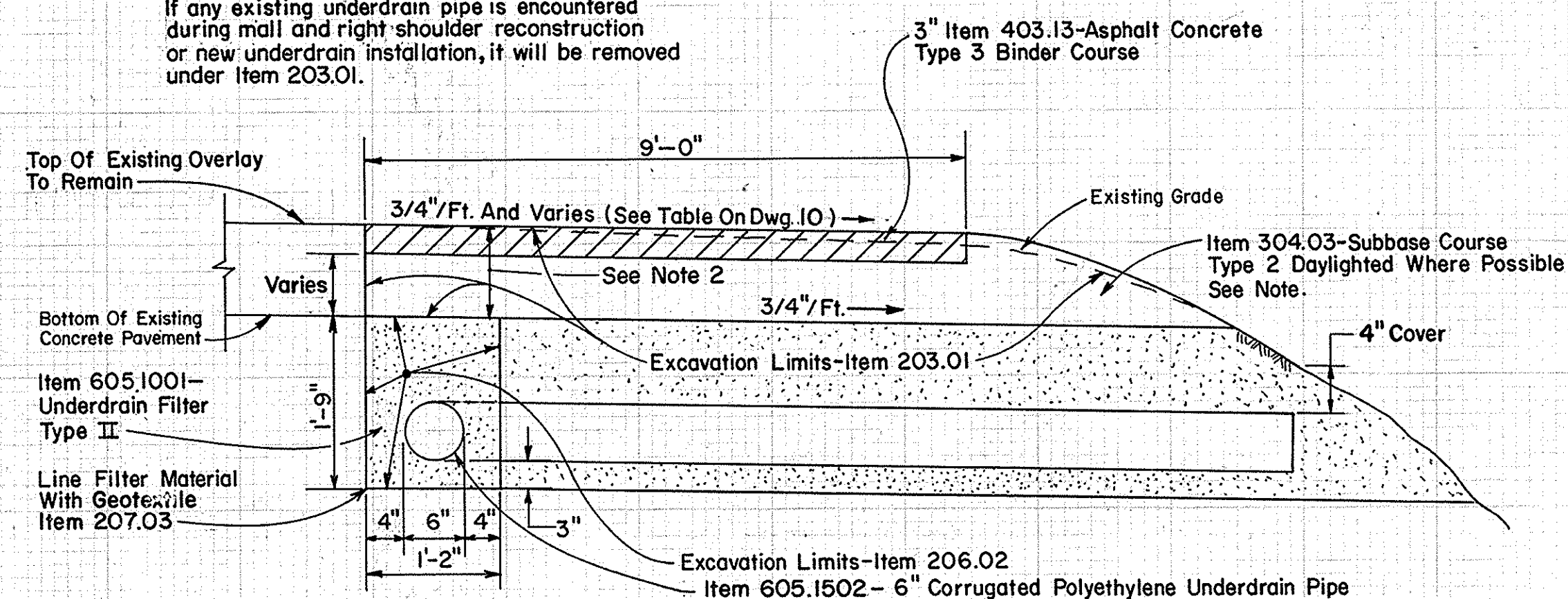
Not To Scale

(M.P. 278.0 TO M.P. 284.1 WESTBOUND ONLY)

FIELD CHANGE 4/19/88

①

NOTE:
If any existing underdrain pipe is encountered during mall and right shoulder reconstruction or new underdrain installation, it will be removed under Item 203.01.



NOTES:

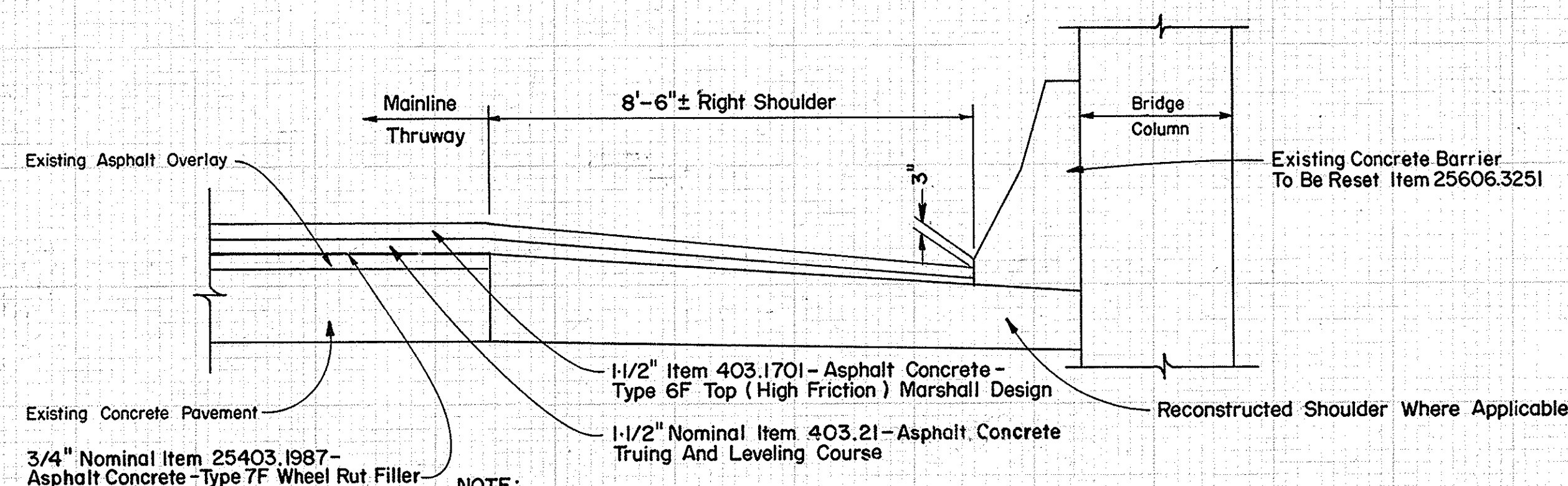
1. In some areas of shoulder reconstruction, as determined by the Engineer, Item 304.03 may not readily be daylighted due to existing field conditions. Such areas to have Item 304.03 boxed in and weeped to daylight A.O.B.E.

2. If the underdrain and laterals are installed prior to the excavation for the new shoulder, the trenches will be backfilled with Item 206.02 - Suitable Excavated Material and Item 403.13 - Asphalt Concrete Type 3 Binder Material A.O.B.E. No separate payment will be made for these materials.

PROPOSED UNDERDRAIN IN RECONSTRUCTED RIGHT SHOULDER DETAIL

Not To Scale

(M.P. 268.0 TO M.P. 278.0 ONLY)



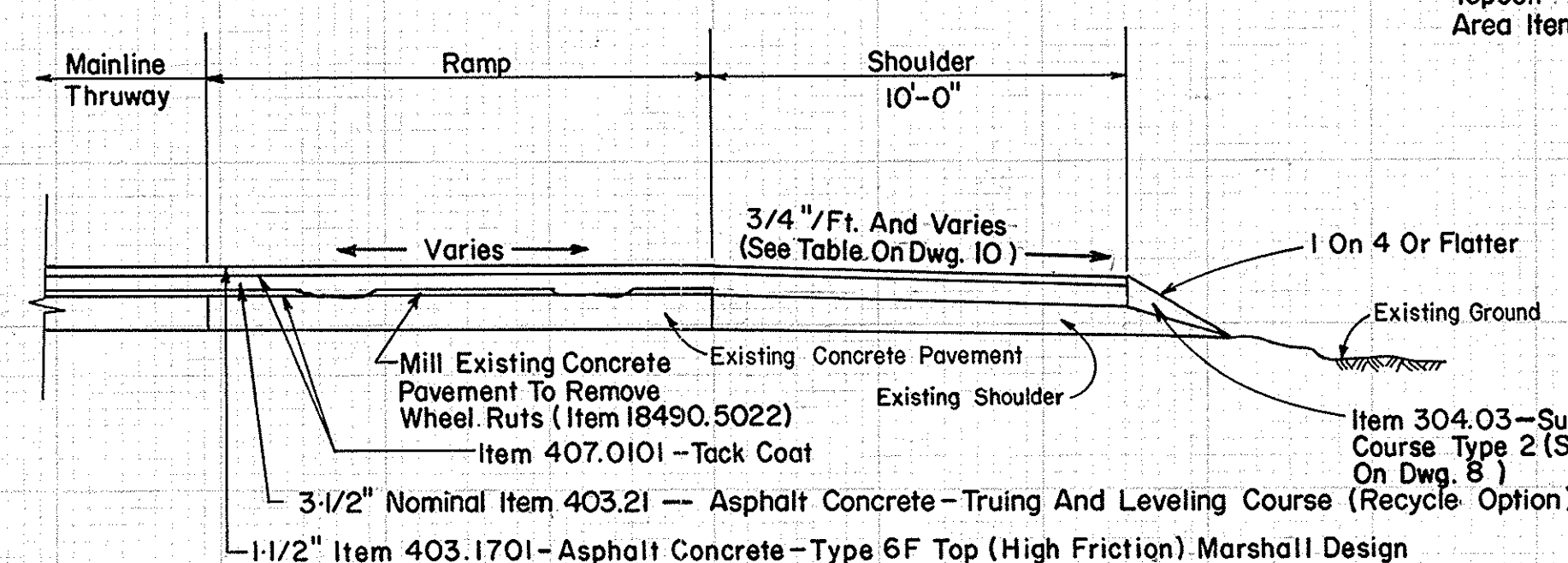
NOTE:

General limits for this section shall be from 50' prior to overhead structure to 50' beyond overhead structure A.O.B.E.. Shoulder slope will vary in this area.

TYPICAL SECTION AT OVERHEAD STRUCTURES WITH CONCRETE BARRIER PIER PROTECTION

Not To Scale

(M.P. 268.0 TO M.P. 278.0 EAST AND WESTBOUND)



TYPICAL RAMP SECTION

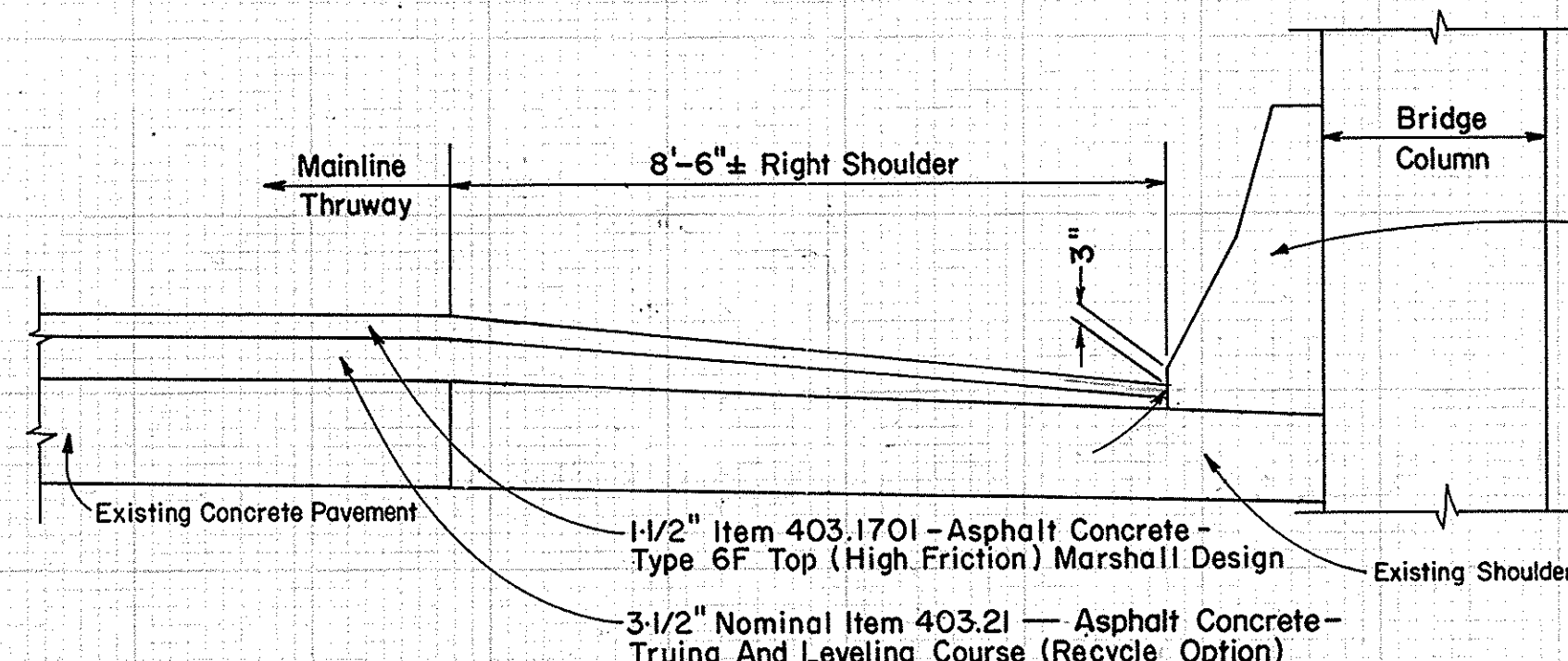
Not To Scale

(M.P. 278.0 TO M.P. 284.1 WESTBOUND ONLY)

NOTES:

1. New overlay not shown on shoulder reconstruction details. See Typical Sections on Dwg. 8 for overlay.

2. If the underdrain and laterals are installed prior to the excavation for the new shoulder, the trenches will be backfilled with Item 206.02 - Suitable Excavated Material and Item 403.13 - Asphalt Concrete Type 3 Binder Material A.O.B.E. No separate payment will be made for these materials.



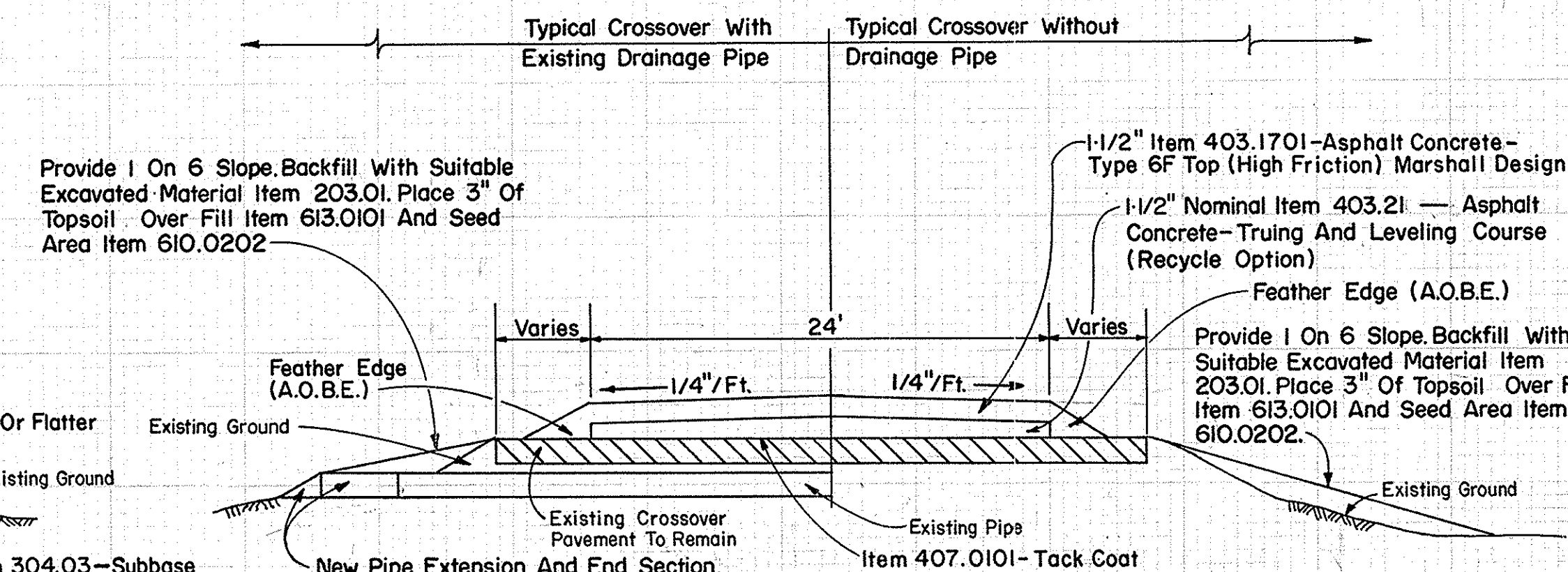
NOTE:

General limits for this section shall be from 50' prior to overhead structure to 50' beyond overhead structure A.O.B.E.. Shoulder slope will vary in this area.

TYPICAL SECTION AT OVERHEAD STRUCTURES WITH CONCRETE BARRIER PIER PROTECTION

Not To Scale

(M.P. 278.0 TO M.P. 284.1 WESTBOUND ONLY)

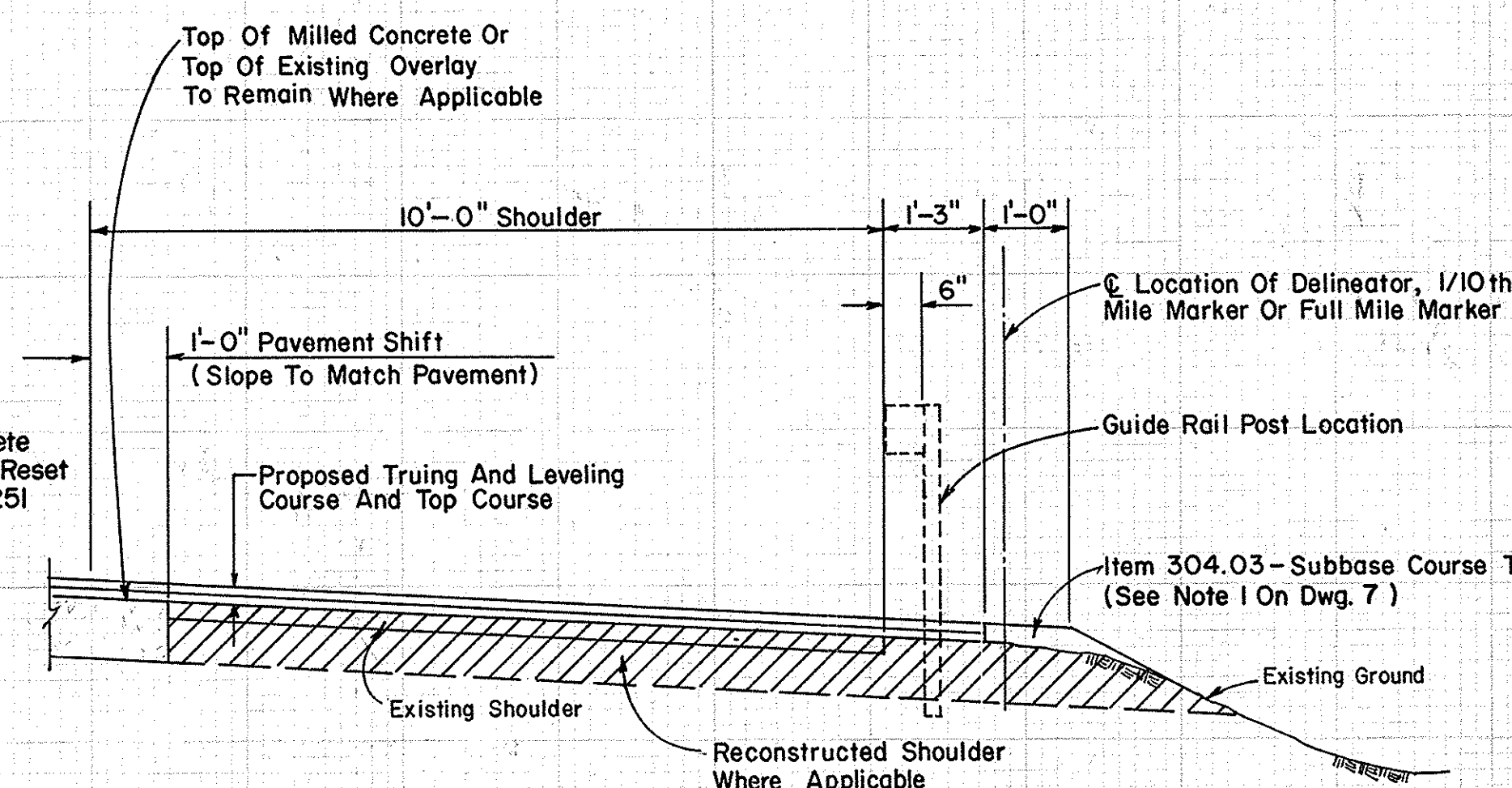


EXISTING CROSSOVER TO BE OVERLAID DETAIL

Not To Scale

NOTE:

This detail applies to all the crossovers within the project limits except for the crossover at M.P. 278.46±.



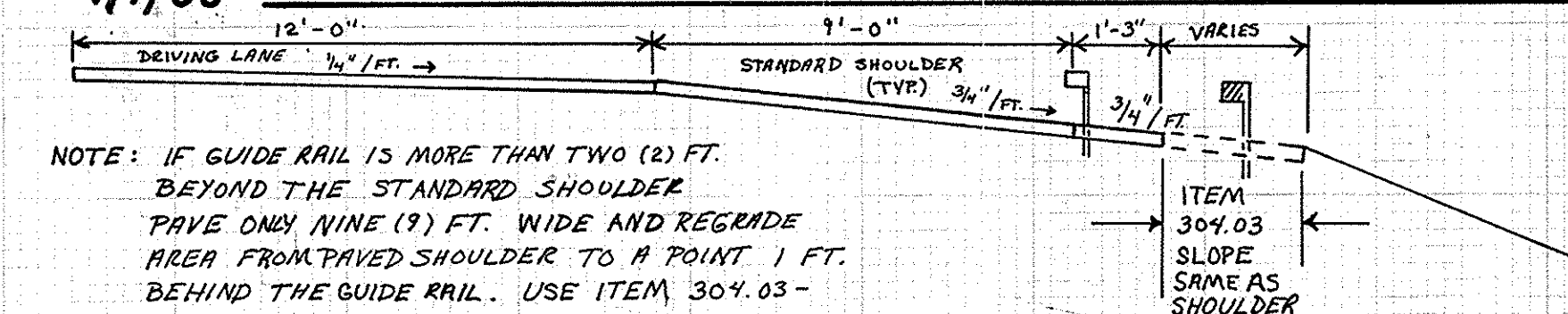
NOTE:

In areas with guide rail place delineator post 1'-0" behind rail

RIGHT SHOULDER DETAIL IN GUIDE RAIL AREAS

Not To Scale

FIELD CHANGE - WHERE GUIDE RAIL IS BEYOND THE 11'-3" POINT

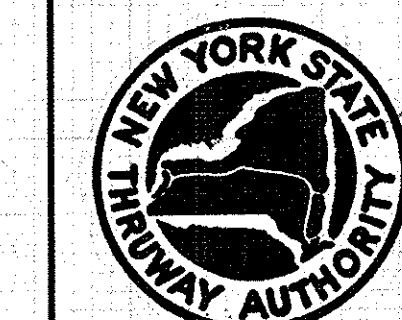


NOTE: IF GUIDE RAIL IS MORE THAN TWO (2) FT. BEYOND THE STANDARD SHOULDER, PAVE ONLY NINE (9) FT. WIDE AND REGRADE HERE FROM PAVED SHOULDER TO A POINT 1 FT. BEHIND THE GUIDE RAIL. USE ITEM 304.03 - SUBBASE COURSE - TYPE 2 OR APPROVED MILLED MATERIAL.

AS BUILT REVISIONS

DATE	DESCRIPTION	BY	SYB
4/19/88	3" Item 403.13 Asphalt Concrete	A.O.B.E.	①
9/1/88	FIELD CHANGE	A.O.B.E.	②

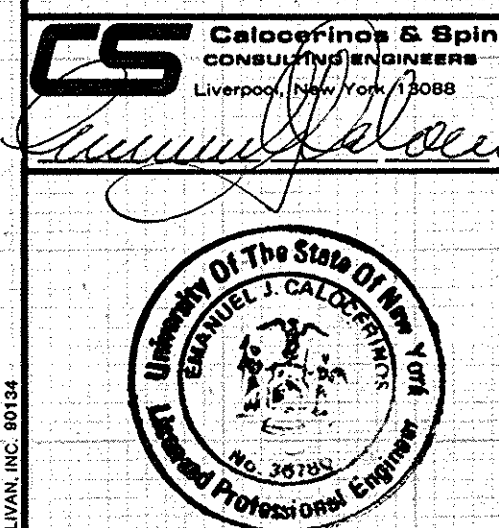
NEW YORK STATE THRUWAY AUTHORITY DEPARTMENT OF ENGINEERING AND MAINTENANCE 200 SOUTHERN BLVD., ALBANY, NEW YORK 12209			
TITLE OF PROJECT: ROADWAY REHABILITATION			
LOCATION OF PROJECT: M.P. 267.0 ± — M.P. 285.2 ±			
TITLE OF DRAWING: MISCELLANEOUS TYPICAL SECTIONS AND DETAILS			



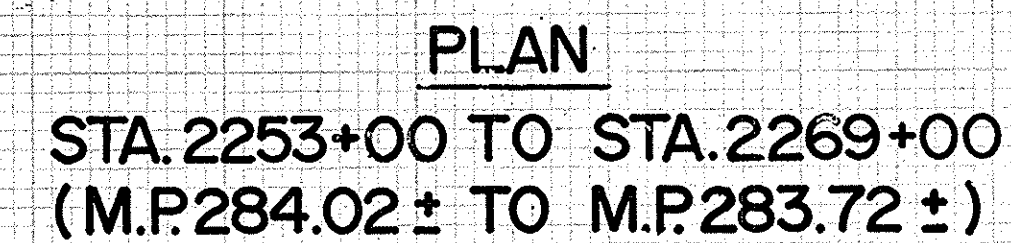
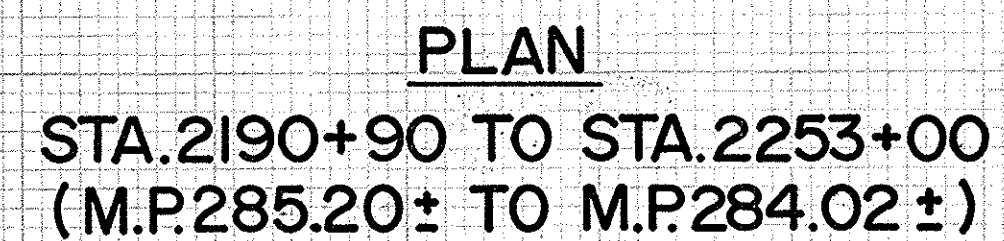
DRAWN BY: M. T. Scharf	9
CHECKED BY: D. A. Piliawa	
DATE: November 25, 1987	
DRAWING NO.:	

TAS 88-5

NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.

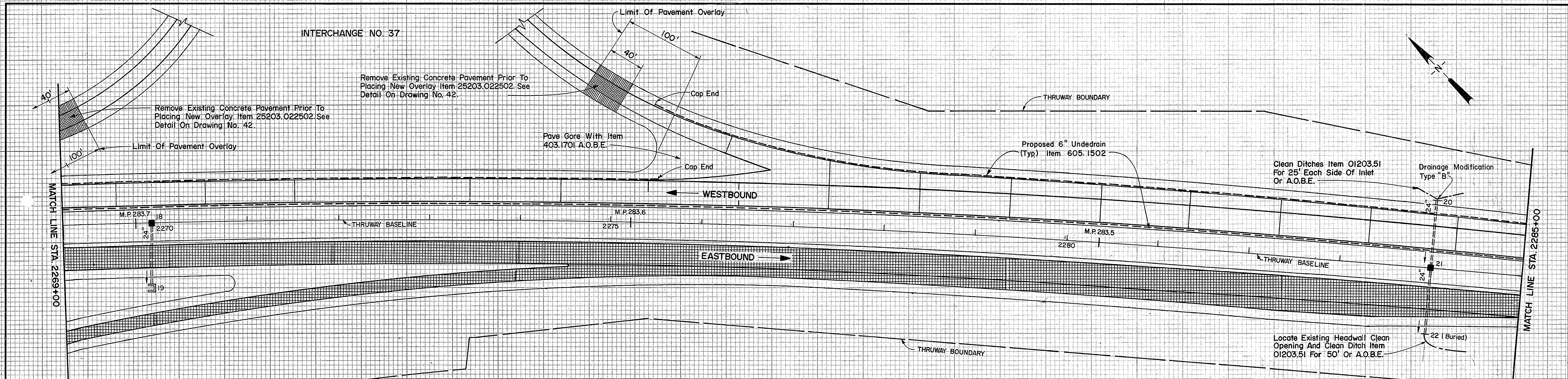


IN CHARGE OF: J.W. Franz, Jr., P.E.
MADE BY: S.H. George, P.E., D.A. Piliawa

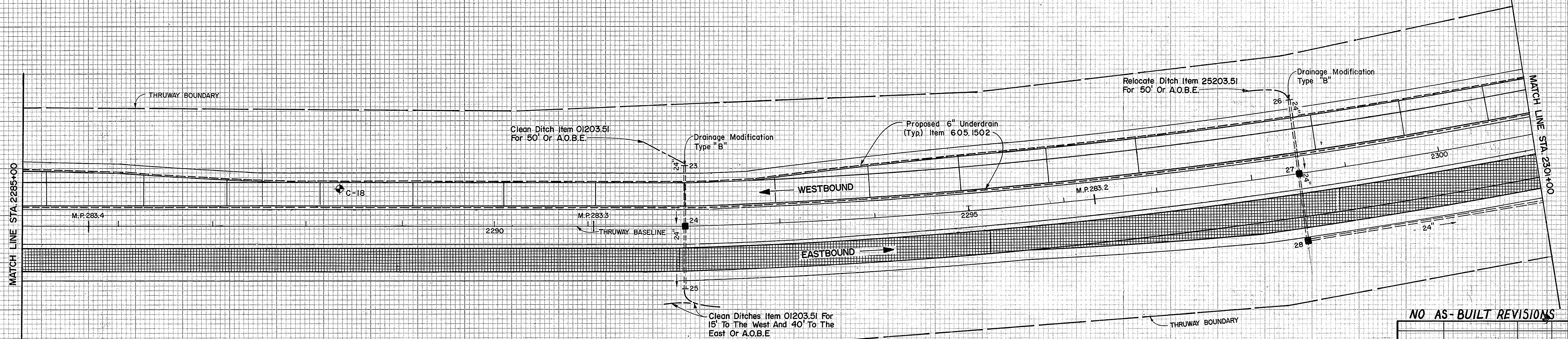


NO AS-BUILT REVISIONS

TAS 88- 5



PLAN
STA. 2269+00 TO STA. 2285+00
(M.P. 283.72 ± TO M.P. 283.41 ±)



PLAN
STA. 2285+00 TO STA. 2301+00
(M.P. 283.41 ± TO M.P. 283.11 ±)

NOTE:
 See Dwg. No. 11 for Legend.

CS Calcey & Spina
 CONSULTING ENGINEERS
 LIVERPOOL, NEW YORK 13088

State of New York
 J. W. Franz, Jr., P.E.
 Licensed Professional Engineer

IN CHARGE OF: J. W. Franz, Jr., P.E.
 MADE BY: S. H. George, P.E.



NO ALTERATION PERMITTED HEREON EXCEPT
 AS PROVIDED UNDER SECTION 7209 SUBDIVISION
 2 OF THE NEW YORK STATE EDUCATION LAW.

NO AS-BUILT REVISIONS

DATE	DESCRIPTION	BY	SYB
REVISIONS:			

NEW YORK STATE THRUWAY AUTHORITY
 DEPARTMENT OF ENGINEERING
 AND MAINTENANCE

200 SOUTHERN BLVD., ALBANY, NEW YORK 12209

TITLE OF PROJECT:
ROADWAY REHABILITATION

LOCATION OF PROJECT:
M.P. 267.0 ± — M.P. 285.2 ±

TITLE OF DRAWING:
PLAN
STA. 2269+00 TO STA. 2301+00

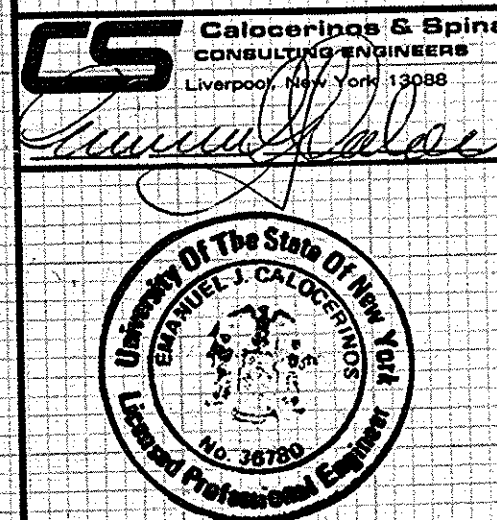
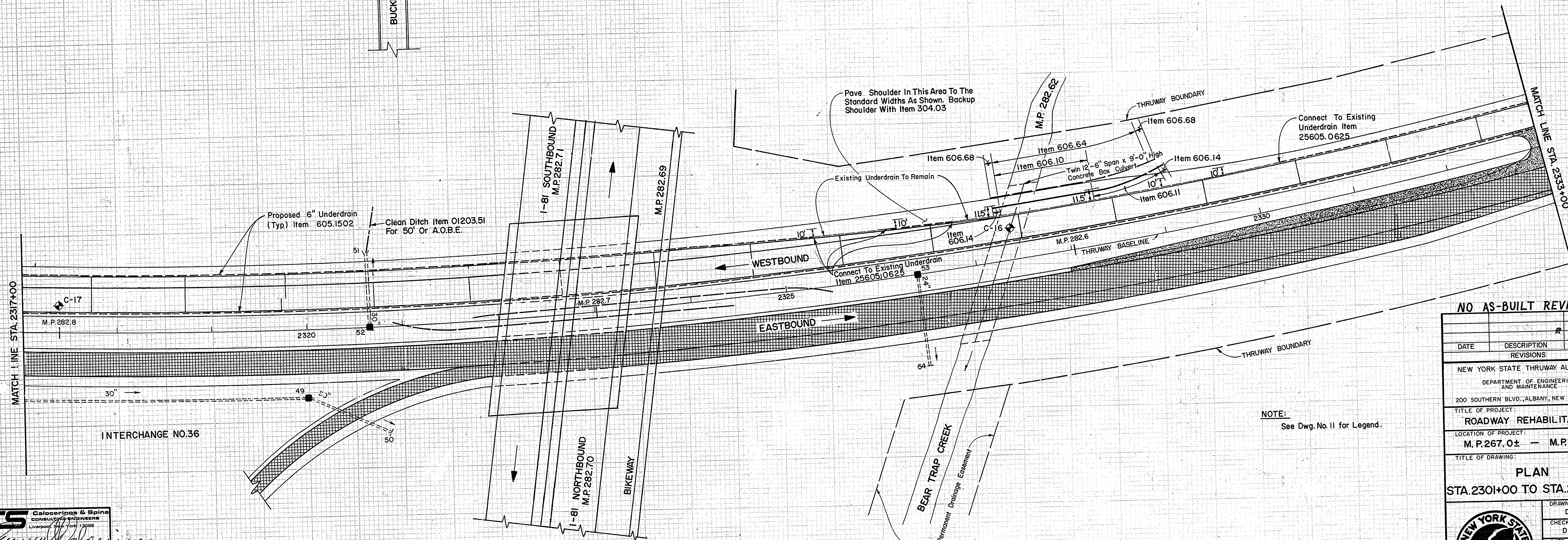
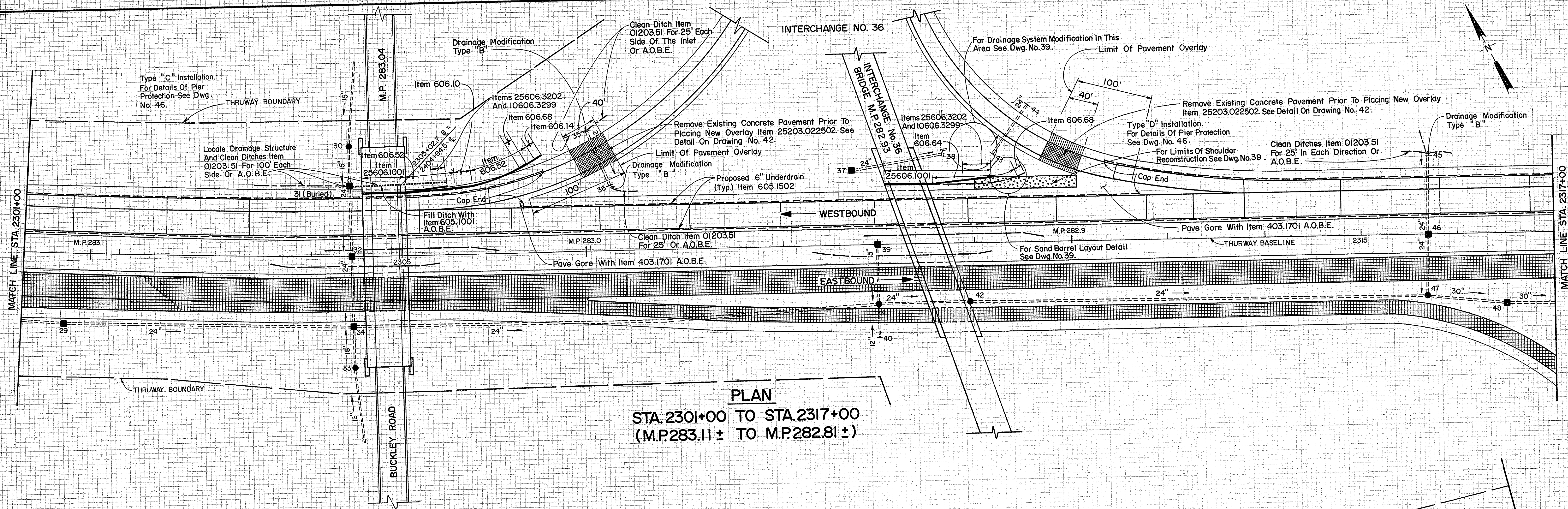
DRAWN BY:
 D. K. Mills

CHECKED BY:
 D. A. Pilawa

DATE:
 November 25, 1987

DRAWING NO.:
12

TAS 88- 5



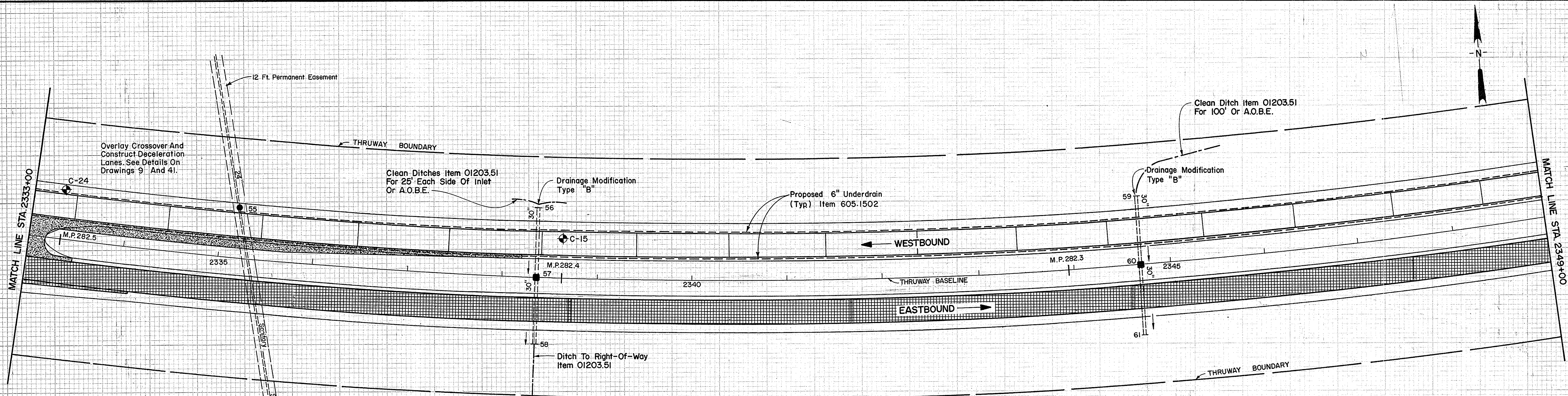
IN CHARGE OF: J. W. Franz, Jr., P.E.
MADE BY: S. H. George, P.E.

NOTE:
See Dwg. No. 11 for Legend.

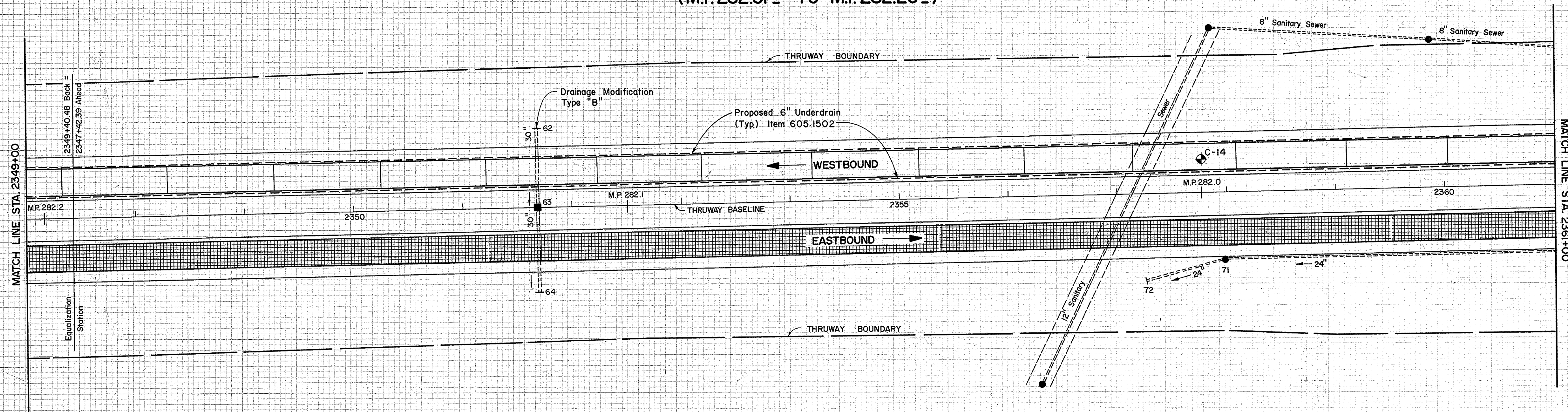


NO ALTERATION PERMITTED HEREON EXCEPT
AS PROVIDED UNDER SECTION 7209 SUBDIVISION
2 OF THE NEW YORK STATE EDUCATION LAW.

NO AS-BUILT REVISIONS			
DATE	DESCRIPTION	BY	SYB.
REVISIONS			
NEW YORK STATE THRUWAY AUTHORITY DEPARTMENT OF ENGINEERING AND MAINTENANCE 200 SOUTHERN BLVD., ALBANY, NEW YORK 12209			
TITLE OF PROJECT: ROADWAY REHABILITATION			
LOCATION OF PROJECT: M.P. 267.0 ± — M.P. 285.2 ±			
TITLE OF DRAWING: PLAN STA. 2301+00 TO STA. 2333+00			
DRAWN BY: D. K. Mills		CHECKED BY: D. A. Pilawa	
DATE: November 25, 1987		DRAWING NO.: 13	
TAS 88-5			

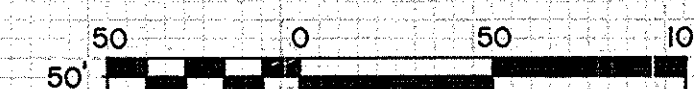


PLAN
STA.2333+00 TO STA.2349+00
(M.P.282.51 ± TO M.P.282.20 ±)



PLAN
STA.2349+00 TO STA.2361+00
(M.P.282.20 ± TO M.P.281.94 ±)

NOTE:
See Dwg. No. 11 for Legend.



NO ALTERATION PERMITTED HEREON EXCEPT
AS PROVIDED UNDER SECTION 7209 SUBDIVISION
2 OF THE NEW YORK STATE EDUCATION LAW.

NO AS-BUILT REVISIONS

DATE	DESCRIPTION	BY	SYB.
REVISIONS			

NEW YORK STATE THRUWAY AUTHORITY
DEPARTMENT OF ENGINEERING
AND MAINTENANCE
200 SOUTHERN BLVD., ALBANY, NEW YORK 12209

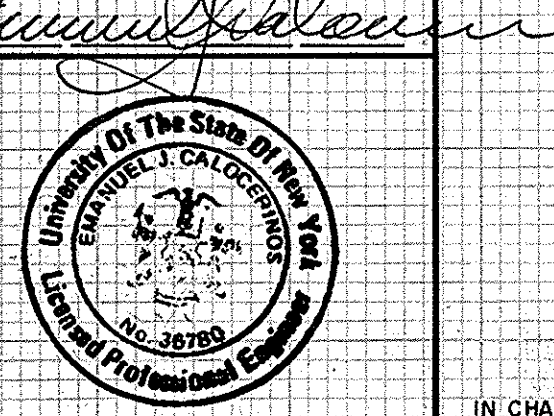
TITLE OF PROJECT:
ROADWAY REHABILITATION
LOCATION OF PROJECT:
M.P. 267.0 ± — M.P. 285.2 ±

TITLE OF DRAWING:
PLAN
STA. 2333+00 TO STA. 2361+00

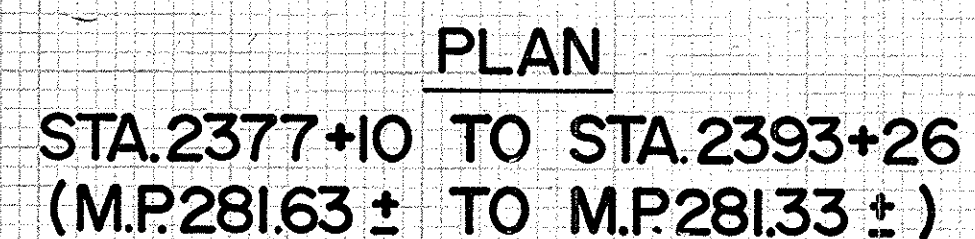
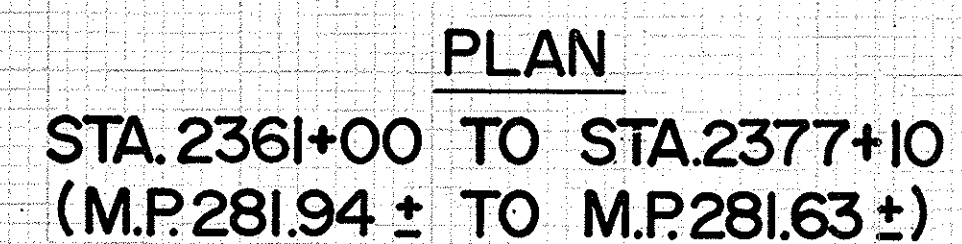
DRAWN BY:
D.K. Mills
CHECKED BY:
D.A. Pilawa
DATE:
November 25, 1987
DRAWING NO.:
14

TAS 88- 5

Calogheris & Spina
CONSULTING ENGINEERS
Liverpool, New York 13088



IN CHARGE OF: J.W. Franz, Jr., P.E.
MADE BY: S.H. George, P.E.



NO ALTERATION PERMITTED HEREON EXCEPT
AS PROVIDED UNDER SECTION 7209 SUBDIVISION
2 OF THE NEW YORK STATE EDUCATION LAW.

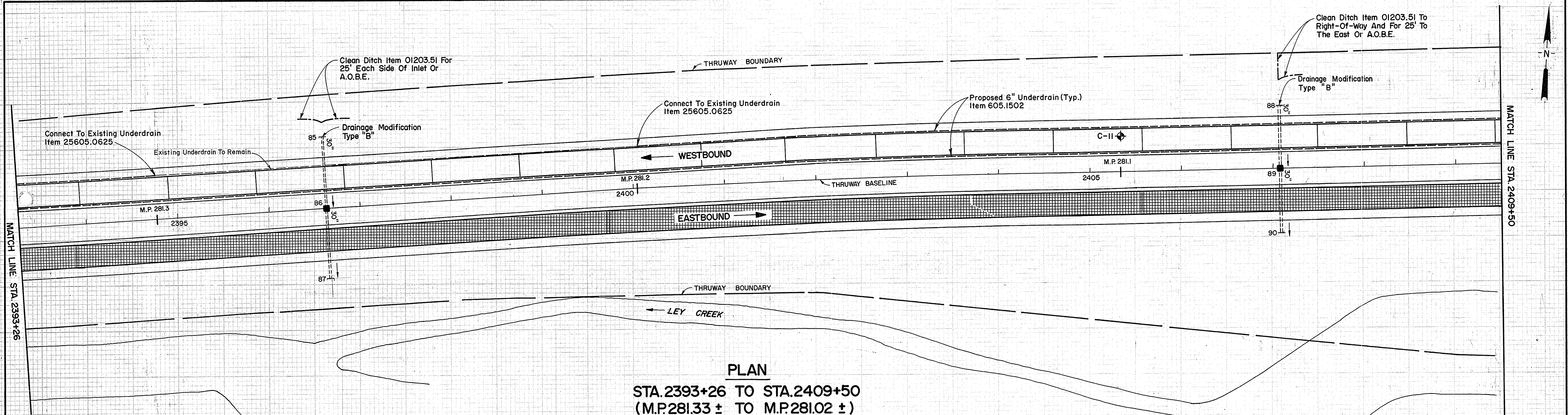
TAS 88- 5

MATCH LINE STA. 2393+26

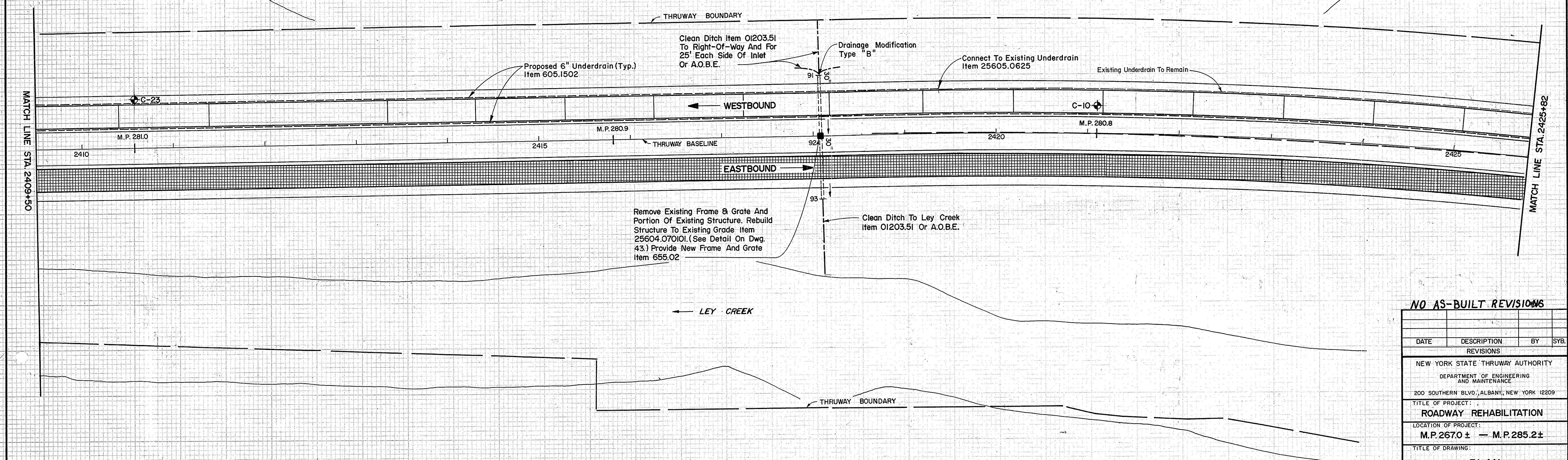
MATCH LINE STA. 2409+50

MATCH LINE STA. 2409+50

MATCH LINE STA. 2425+82

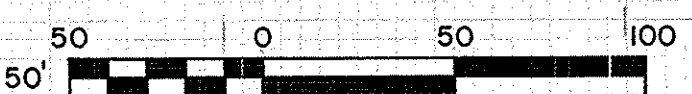


PLAN
STA. 2393+26 TO STA. 2409+50
(M.P. 281.33 ± TO M.P. 281.02 ±)



PLAN
STA. 2409+50 TO STA. 2425+82
(M.P. 281.02 ± TO M.P. 280.71 ±)

NOTE:
 See Dwg. No. 11 for Legend.



NO ALTERATION PERMITTED HEREON EXCEPT
 AS PROVIDED UNDER SECTION 7209 SUBDIVISION
 2 OF THE NEW YORK STATE EDUCATION LAW.

CS Colacurcio & Spina
 CONSULTING ENGINEERS
 200 SOUTHERN BLVD., ALBANY, NEW YORK 12209
 518-335-1111

Signature of J.W. Franz Jr.

State of New York
 Professional Engineer
 No. 38780

IN CHARGE OF: J.W. Franz Jr., P.E.
 MADE BY: S.H. George, P.E.

NO AS-BUILT REVISIONS

DATE	DESCRIPTION	BY	SYB.
REVISIONS			

NEW YORK STATE THRUWAY AUTHORITY
 DEPARTMENT OF ENGINEERING AND MAINTENANCE
 200 SOUTHERN BLVD., ALBANY, NEW YORK 12209

TITLE OF PROJECT:
ROADWAY REHABILITATION

LOCATION OF PROJECT:
M.P. 267.0 ± — M.P. 285.2 ±

TITLE OF DRAWING:
PLAN
STA. 2393+26 TO STA. 2425+82

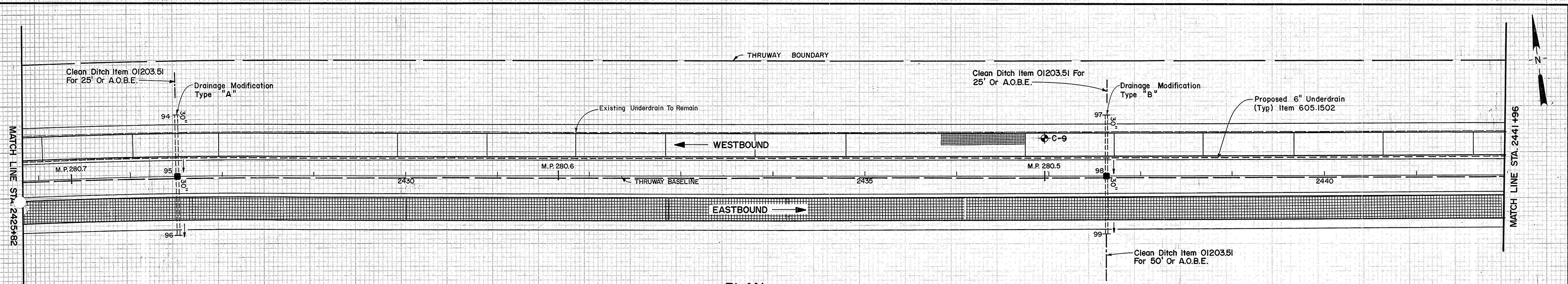
DRAWN BY:
 D.K. Mills

CHECKED BY:
 D.A. Pilawa

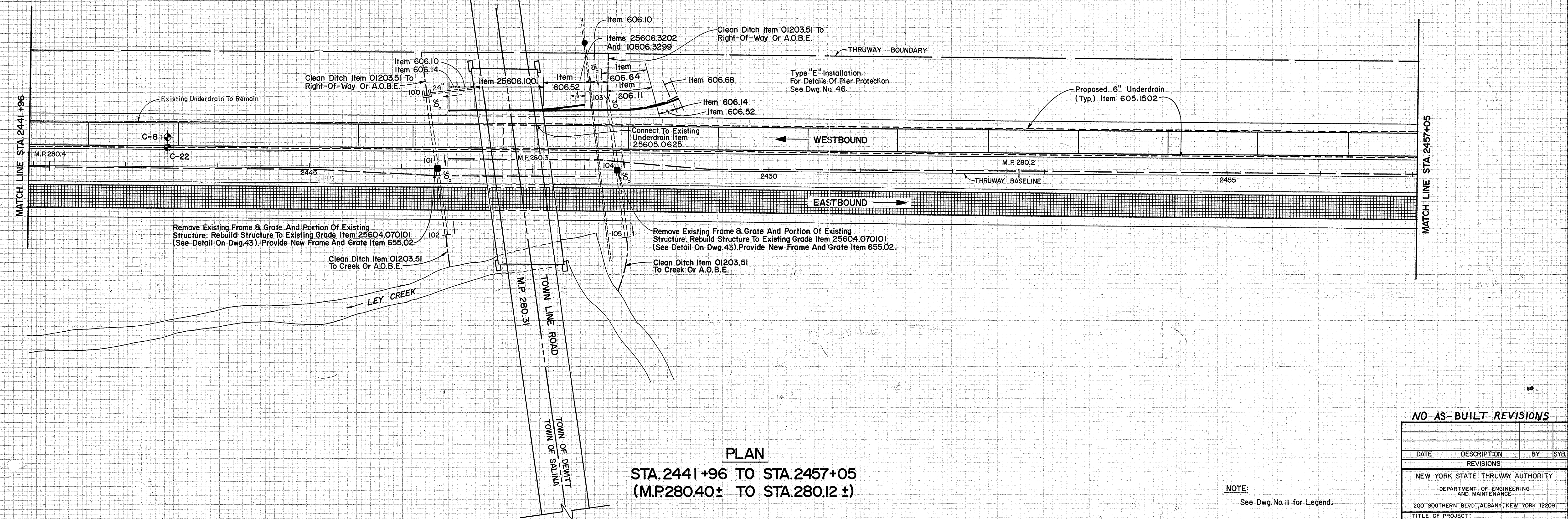
DATE:
 November 25, 1987

DRAWING NO.:
16

TAS 88- 5

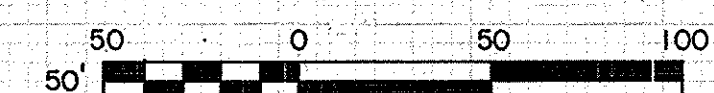


PLAN
STA.2425+82 TO STA.2441+96
(M.P.280.71 ± TO M.P.280.40 ±)



PLAN
STA.2441+96 TO STA.2457+05
(M.P.280.40 ± TO STA.280.12 ±)

NOTE:
See Dwg.No.11 for Legend.



NO ALTERATION PERMITTED HEREON EXCEPT
AS PROVIDED UNDER SECTION 7209 SUBDIVISION
2 OF THE NEW YORK STATE EDUCATION LAW.

NO AS-BUILT REVISIONS

DATE	DESCRIPTION	BY	SYB.
REVISIONS			

NEW YORK STATE THRUWAY AUTHORITY

DEPARTMENT OF ENGINEERING
AND MAINTENANCE

200 SOUTHERN BLVD., ALBANY, NEW YORK 12209

TITLE OF PROJECT:

ROADWAY REHABILITATION

LOCATION OF PROJECT:

M.P.267.0 ± — M.P.285.2 ±

TITLE OF DRAWING:

PLAN

STA.2425+82 TO STA.2457+05

DRAWN BY:

D.K.Mills

CHECKED BY:

D.A.Pilawa

DATE:

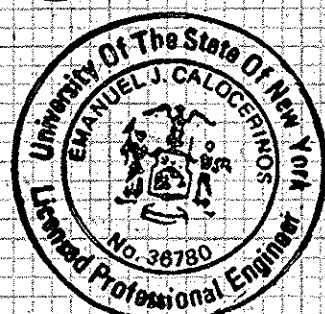
November 25, 1987

DRAWING NO.:

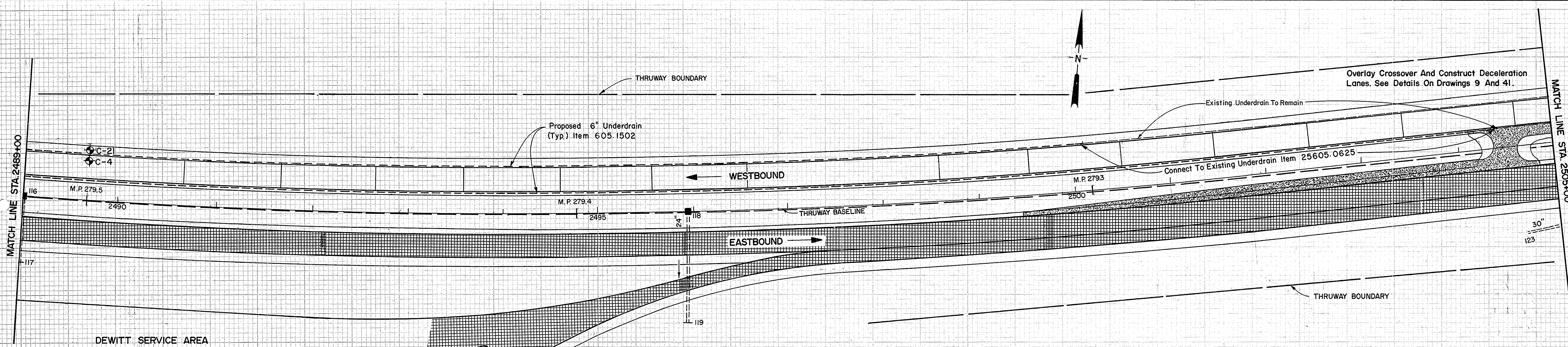
17

TAS 88- 5

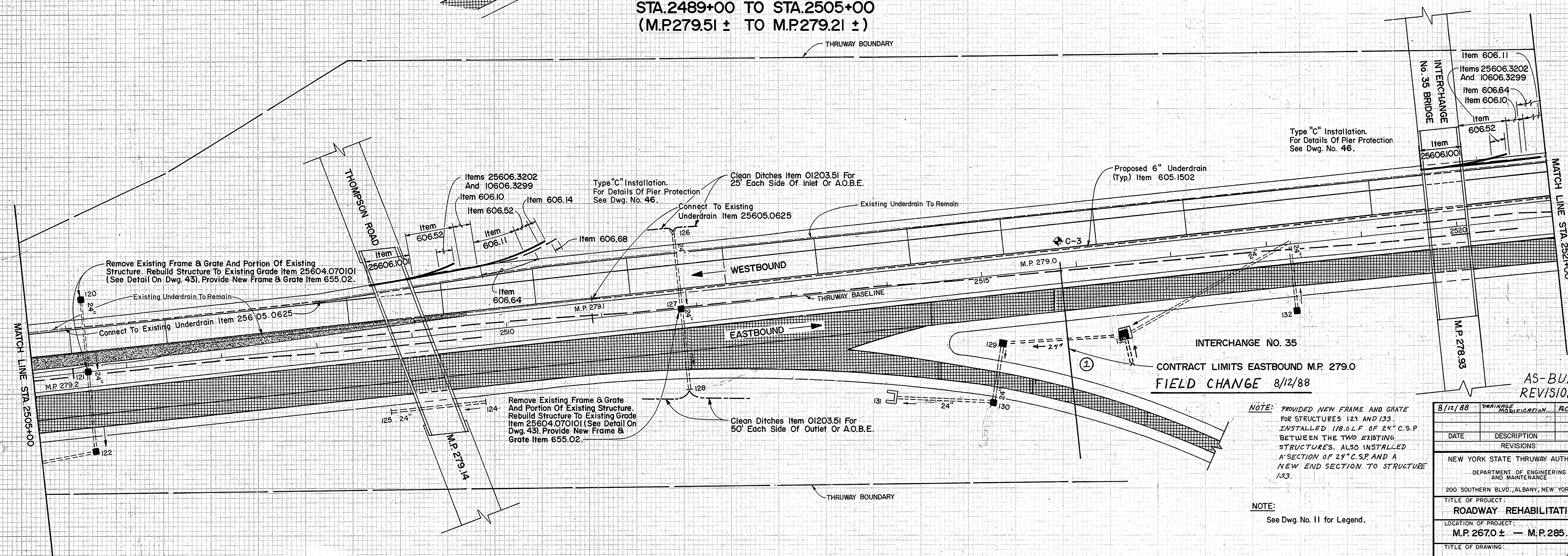
Calaperinos & Spina
CONSULTING ENGINEERS
L.L. 13088

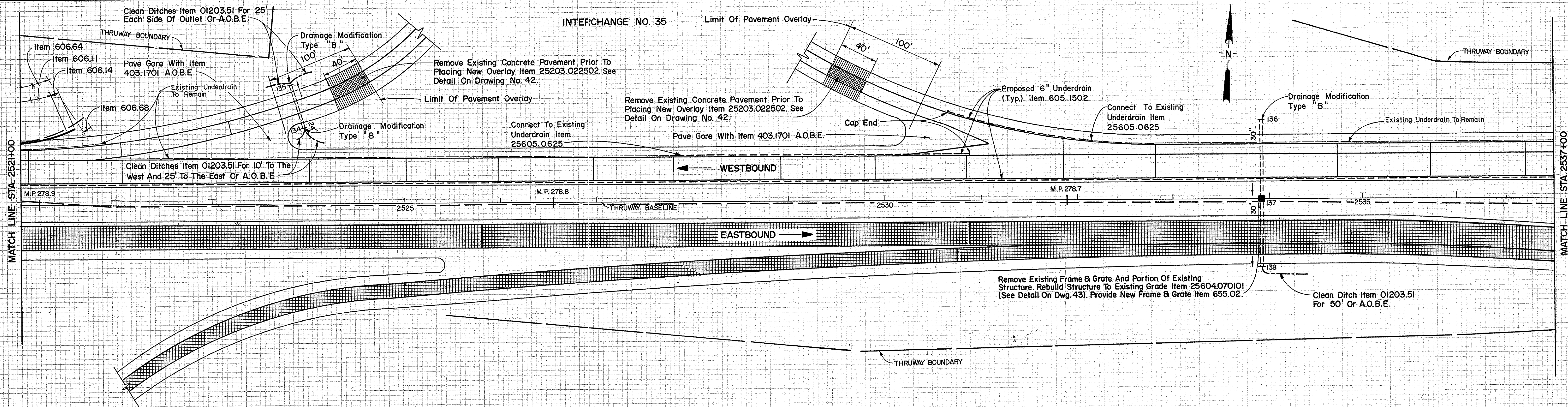


IN CHARGE OF: J.W. Franz Jr., P.E.
MADE BY: S.H. George, P.E.

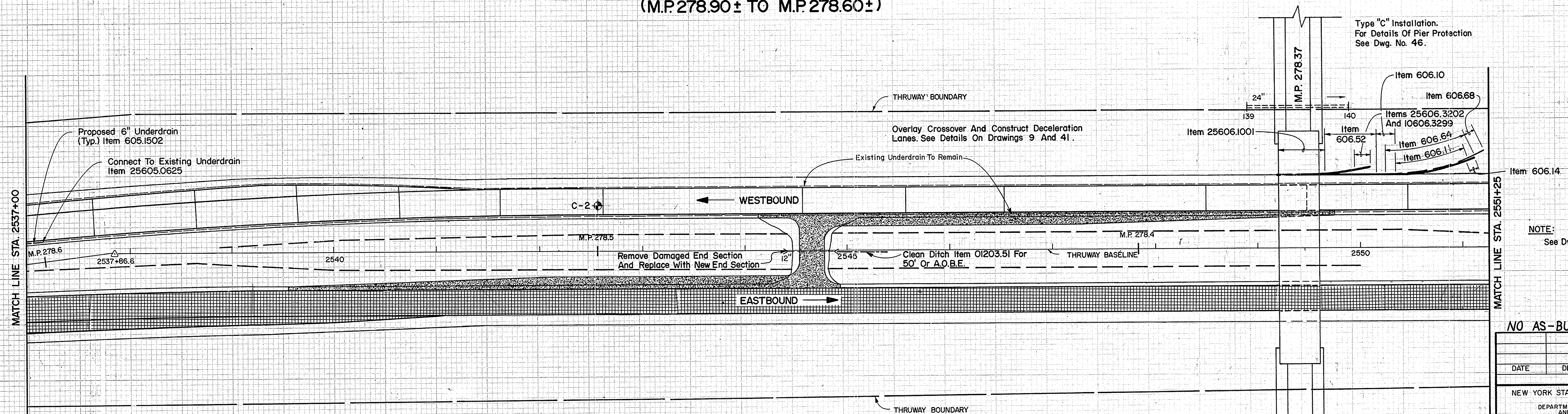


PLAN
STA. 2489+00 TO STA. 2505+00
(M.P. 279.51 ± TO M.P. 279.21 ±)





PLAN
STA. 2521+00 TO STA. 2537+00
(M.P. 278.90 ± TO M.P. 278.60 ±)



PLAN
STA. 2537+00 TO STA. 2551+25
(M.P. 278.60 ± TO M.P. 278.34 ±)

NOTE:
See Dwg. No. 11 for Legend.

NO AS-BUILT REVISIONS

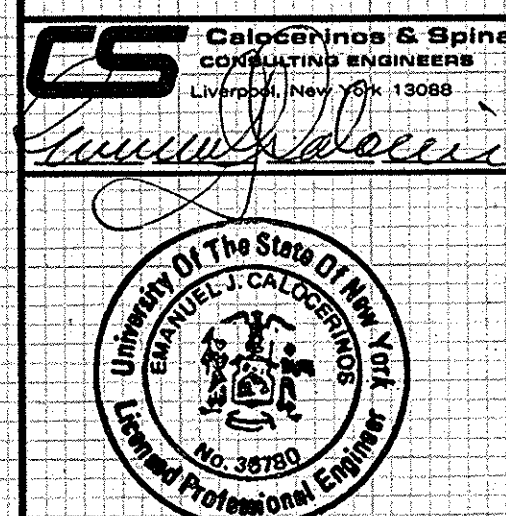
DATE	DESCRIPTION	BY	SYB.
REVISIONS			
NEW YORK STATE THRUWAY AUTHORITY			
DEPARTMENT OF ENGINEERING AND MAINTENANCE			
200 SOUTHERN BLVD., ALBANY, NEW YORK 12209			
TITLE OF PROJECT:			
ROADWAY REHABILITATION			
LOCATION OF PROJECT:			
M.P. 267.0 ± — M.P. 285.2 ±			
TITLE OF DRAWING:			
PLAN			
STA. 2521+00 TO STA. 2551+25			



DRAWN BY:
D.K. Mills
CHECKED BY:
D.A. Pflawa
DATE:
November 25, 1987
DRAWING NO.:

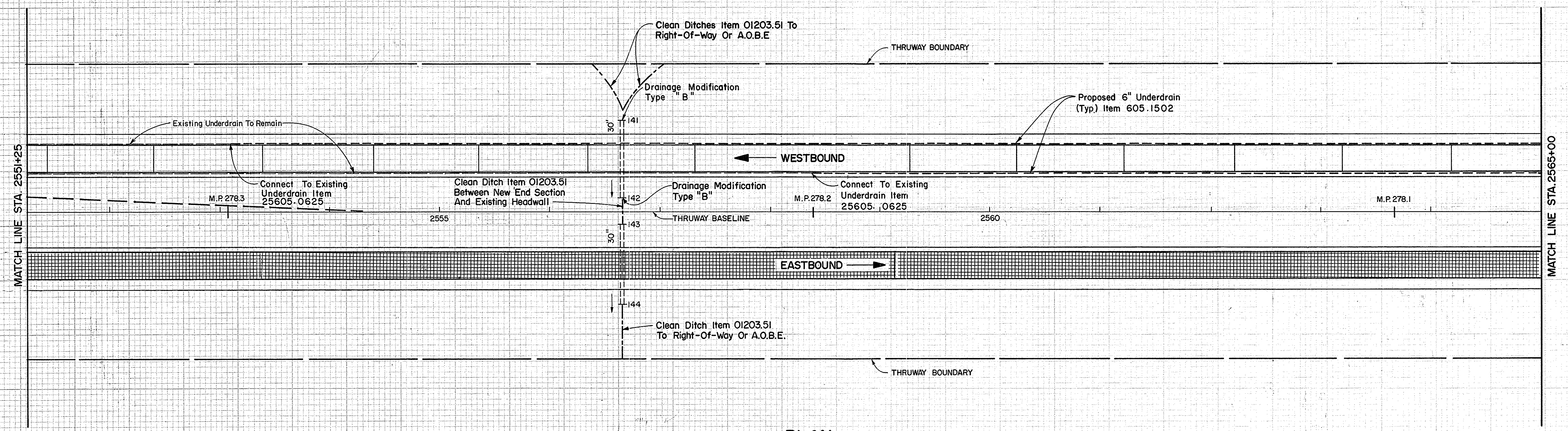
20

TAS 88-5

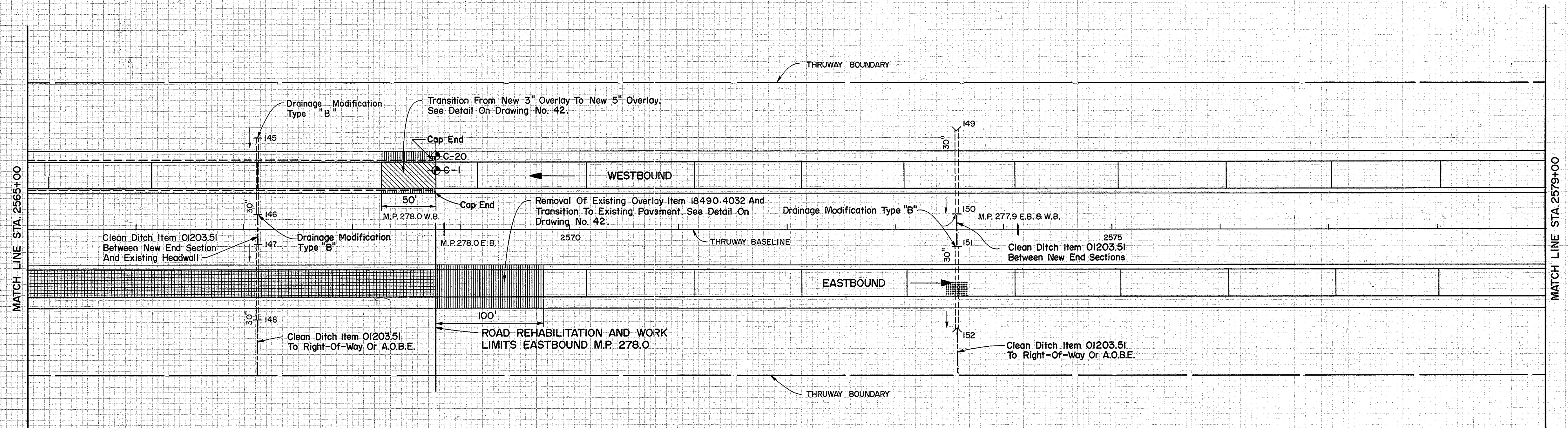


IN CHARGE OF: J.W. Franz Jr., P.E.
MADE BY: S.H. George, P.E.

NO ALTERATION PERMITTED HEREON EXCEPT
AS PROVIDED UNDER SECTION 7209 SUBDIVISION
2 OF THE NEW YORK STATE EDUCATION LAW.

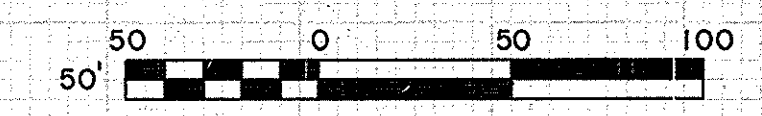


PLAN
STA.2551+25 TO STA.2565+00
(M.P.278.34 ± TO M.P.278.07 ±)



PLAN
STA.2565+00 TO STA.2579+00
(M.P.278.07 ± TO M.P.277.81 ±)

NOTE:
See Dwg. No. 11 for Legend.



NO ALTERATION PERMITTED HEREON EXCEPT
AS PROVIDED UNDER SECTION 7209 SUBDIVISION
2 OF THE NEW YORK STATE EDUCATION LAW.

CS Caldecarino & Spina
consulting engineers
1308
1308
1308

Seal of the State of New York
Professional Engineer
No. 36780

IN CHARGE OF: J.W. Franz Jr., P.E.
MADE BY: S.H. George, P.E.

NO AS-BUILT REVISIONS

DATE	DESCRIPTION	BY	SYB
REVISIONS			

NEW YORK STATE THRUWAY AUTHORITY
DEPARTMENT OF ENGINEERING
AND MAINTENANCE
200 SOUTHERN BLVD., ALBANY, NEW YORK 12209

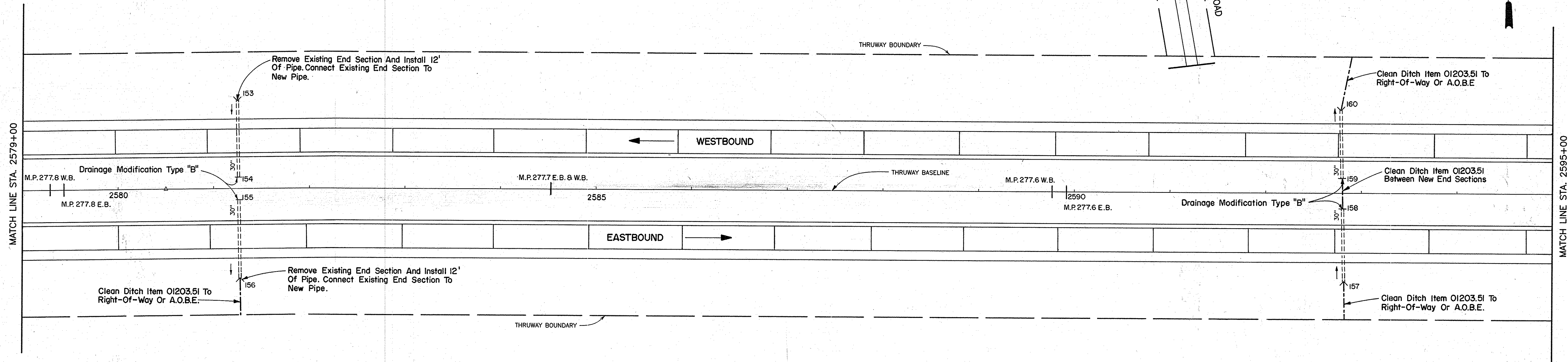
TITLE OF PROJECT:
ROADWAY REHABILITATION

LOCATION OF PROJECT:
M.P. 267.0 ± — M.P. 285.2 ±

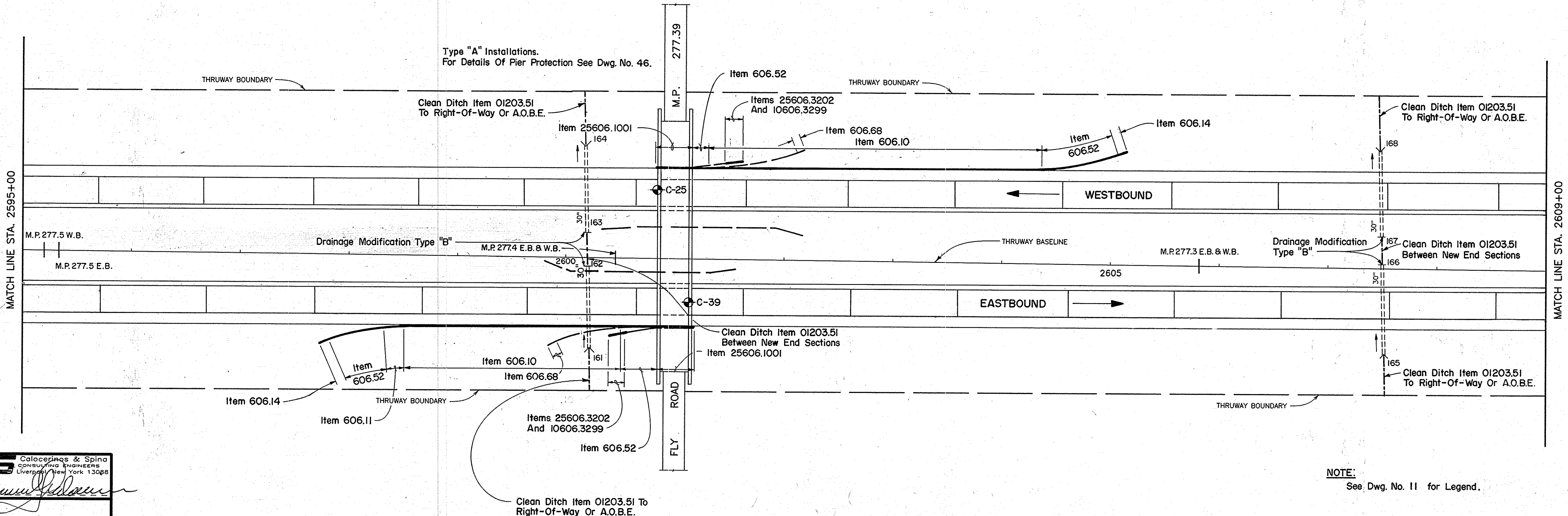
TITLE OF DRAWING:
PLAN
STA.2551+25 TO STA.2579+00

DRAWN BY:
D.K. Mills
CHECKED BY:
D.A. Pillawa
DATE:
November 25, 1987
DRAWING NO.:
21

TAS 88-5



PLAN
STA. 2579+00 TO STA. 2595+00
(M.P. 277.81± TO M.P. 277.50±)



PLAN
STA. 2595+00 TO STA. 2609+00
(M.P. 277.50± TO M.P. 277.24±)

NOTE:
 See Dwg. No. 11 for Legend.



NO ALTERATION PERMITTED HEREON EXCEPT
 AS PROVIDED UNDER SECTION 7209 SUBDIVISION
 2 OF THE NEW YORK STATE EDUCATION LAW.

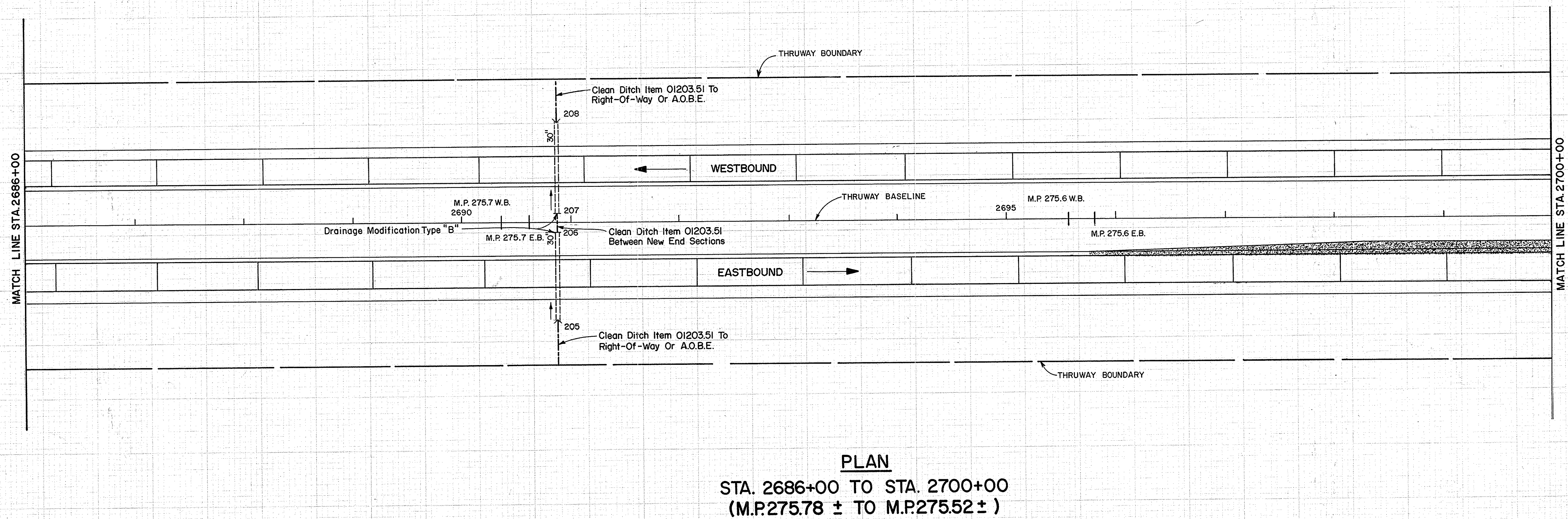
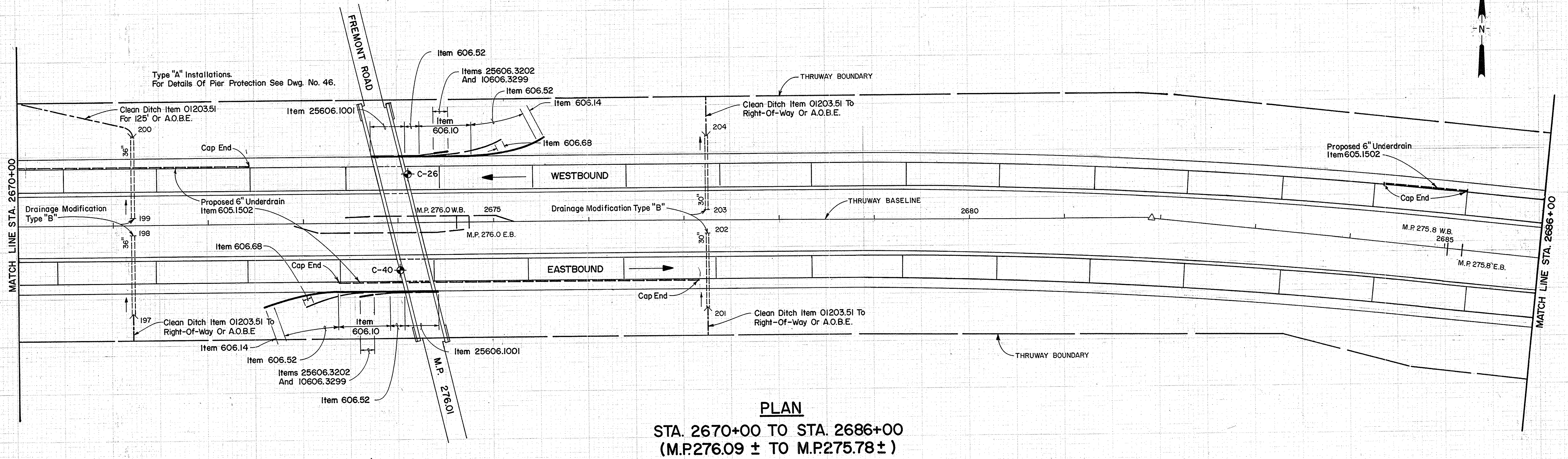
CS Colacopino & Spina
 CONSULTING ENGINEERS
 100 WEST 130TH STREET
 NEW YORK, N.Y. 10027

Signature

IN CHARGE OF: J.W. Franz, Jr., P.E.
 MADE BY: S.H. George, P.E.

NO AS-BUILT REVISIONS

DATE	DESCRIPTION	BY	SYB.
REVISIONS			
NEW YORK STATE THRUWAY AUTHORITY			
DEPARTMENT OF ENGINEERING AND MAINTENANCE			
200 SOUTHERN BLVD., ALBANY, NEW YORK 12209			
TITLE OF PROJECT:			
ROADWAY REHABILITATION			
LOCATION OF PROJECT:			
M.P. 267.0± - M.P. 285.2±			
TITLE OF DRAWING:			
PLAN			
STA. 2579+00 TO STA. 2609+00			
	DRAWN BY:	J.M. Lazzaro (CAD)	
	CHECKED BY:	D.A. Pilawa	
	DATE:	November 25, 1987	
	DRAWING NO.:	22	
TAS 88 - 5			




NOTE:
See Dwg. No. 11 for Legend.



NO ALTERATION PERMITTED HEREON EXCEPT
AS PROVIDED UNDER SECTION 7209 SUBDIVISION
2 OF THE NEW YORK STATE EDUCATION LAW.

NO AS-BUILT REVISIONS

DATE	DESCRIPTION	BY	SYB
REVISIONS			
NEW YORK STATE THRUWAY AUTHORITY			
DEPARTMENT OF ENGINEERING AND MAINTENANCE			
200 SOUTHERN BLVD., ALBANY, NEW YORK 12209			
TITLE OF PROJECT:			
ROADWAY REHABILITATION			
LOCATION OF PROJECT:			
M.P. 267.0 ± — M.P. 285.2 ±			
TITLE OF DRAWING:			
PLAN			
STA. 2670+00 TO STA. 2700+00			
		DRAWN BY:	
		M. T. Scharf	
		CHECKED BY:	
		D. A. Pilawa	
		DATE:	
		November 25, 1987	
		DRAWING NO.:	
		25	
TAS 88-5			

CS Calocerinos & Spina
CONSULTING ENGINEERS
LIVERPOOL, NEW YORK 13088

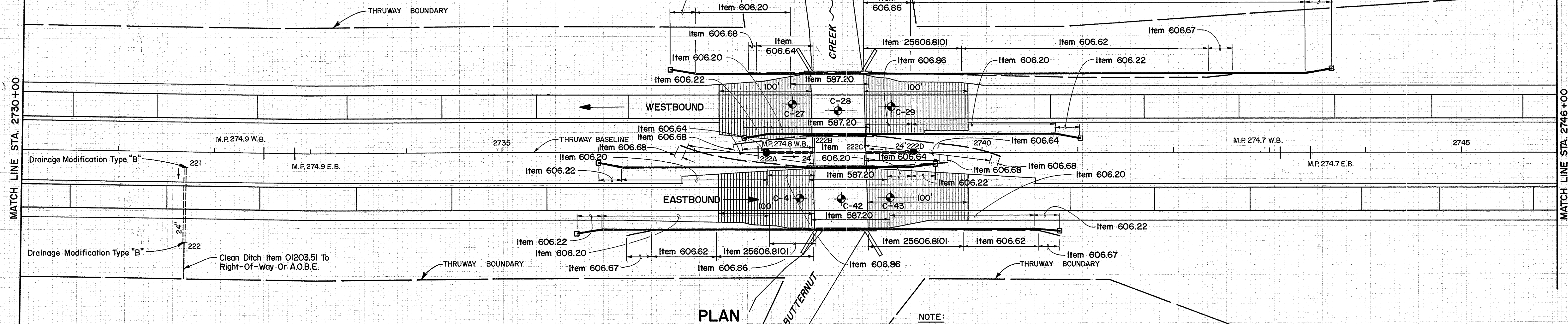


IN CHARGE OF: J. W. Franz, Jr., P.E.
MADE BY: S. H. George, P.E.

1. CLEAN, PRIME AND PAINT THE EXISTING BRIDGE RAIL BEFORE INSTALLING THRIE BEAM RAILING (ITEMS 570.03 AND 570.04.)
2. WHERE GUIDE RAIL POSTS MUST BE ANCHORED ON BRIDGE WINGWALLS IN AREAS OF DETERIORATED CONCRETE, CHIP OUT THE UNSOUND CONCRETE AND REFILL THE AREA WITH NON-SHRINK GROUT AT THE TIME THE ANCHOR BOLTS ARE PLACED. IN SUCH AREAS, THE BOLTS SHALL EXTEND A MINIMUM OF 7" INTO SOUND CONCRETE. PAYMENT FOR THESE REPAIRS SHALL BE INCLUDED UNDER ITEM 586.01.

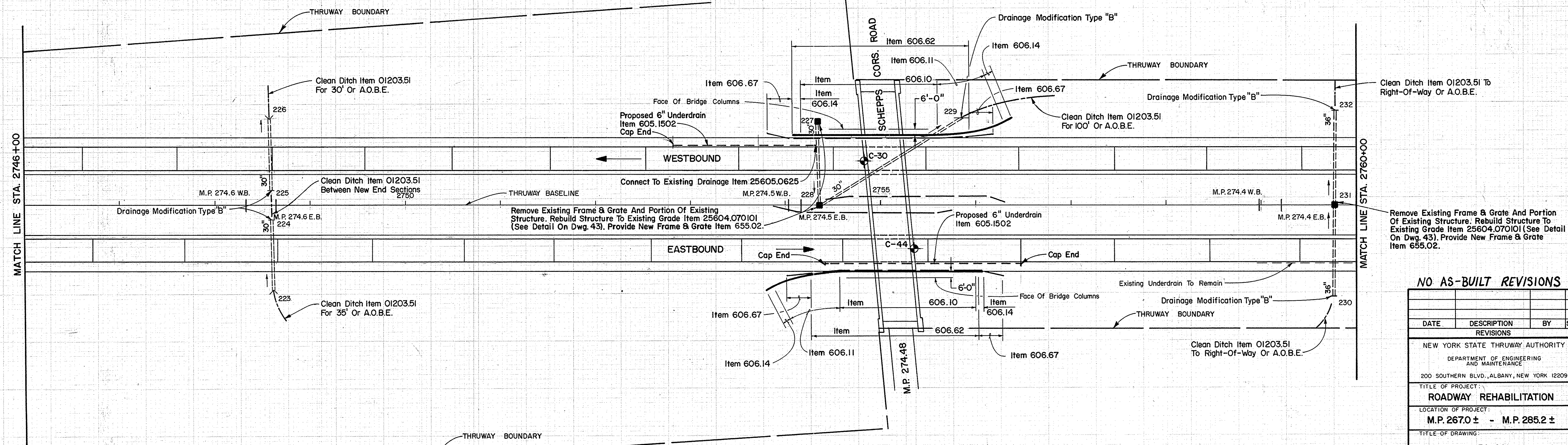
3. SAW CUT THE ASPHALT OVERLAY APPROXIMATELY 6" ON THE APPROACH SIDE OF THE BRIDGE JOINT (ITEM 25502.50). MILL THE EXISTING ASPHALT OVERLAY ON THE APPROACH ROADWAY AND SHOULDERS (ITEM 18490.4032) TO THE LIMITS SHOWN ON THE PLANS. THE DEPTH OF THE MILLING SHALL VARY FROM ZERO AT THE EXTREME LIMIT TO 1 1/2" DEEP AT THE BRIDGE JOINT.
4. TERMINATE THE 1 1/2" TRUING AND LEVELING COURSE AT THE BRIDGE JOINTS.

5. PLACE 1" TOP COURSE ACROSS BRIDGE DECK USING STRINGLINE METHOD APPROVED BY THE ENGINEER. COST OF STRINGLINING TO BE INCLUDED IN THE ASPHALT CONCRETE ITEMS. NO SEPARATE PAYMENT WILL BE MADE.
6. SAW AND FILL NEW OVERLAY (ITEM 25502.5101) AT THE BRIDGE JOINTS (SEE DETAIL ON DRAWING 28).



STA. 2730+00 TO STA. 2746+00
(M.P. 274.95± TO M.P. 274.65±) —

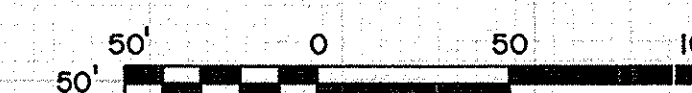
NOTE:
The existing "Tuning Fork" connection between box beam and bridge rail is to be removed under item 606.64



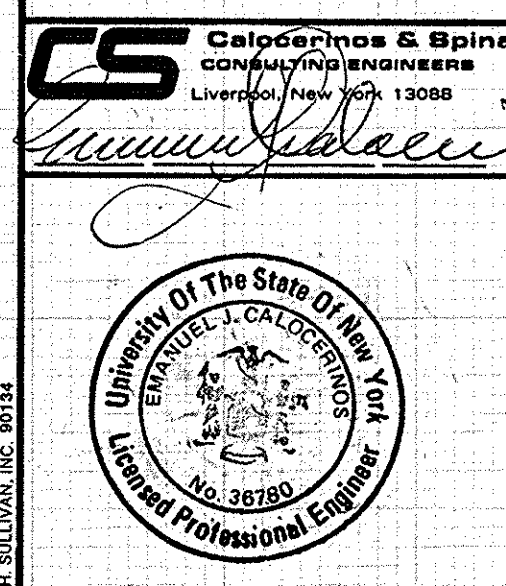
PLAN

STA. 2746+00 TO STA. 2760+00
(M.P. 274.65± TO M.P. 274.38±)


NOTE:
See Dwg. No. 11 for Legend.

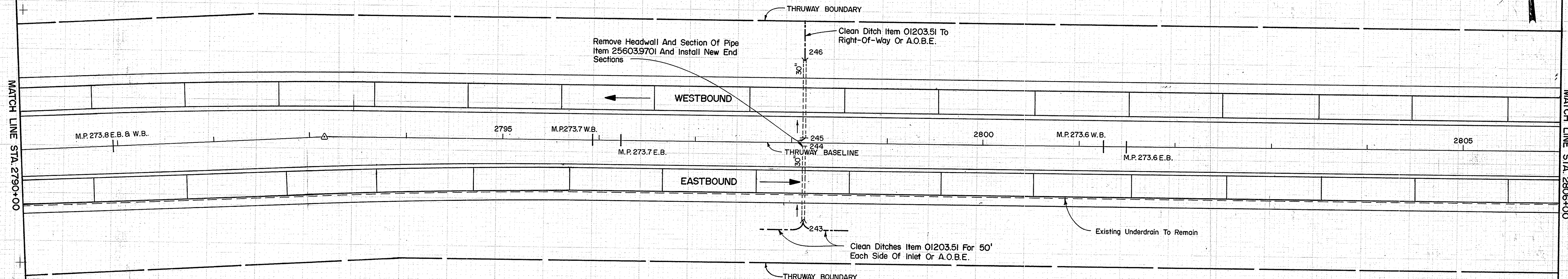


NO ALTERATION PERMITTED HEREON EXCEPT
AS PROVIDED UNDER SECTION 7209 SUBDIVISION
2 OF THE NEW YORK STATE EDUCATION LAW

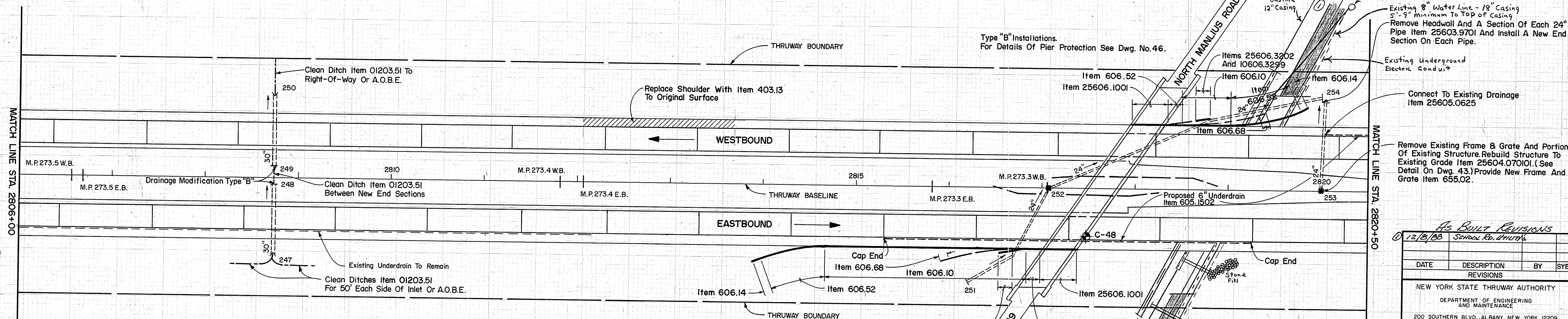


IN CHARGE OF: J. W. Franz Jr., P.E.
MADE BY: S. H. George, P.E.

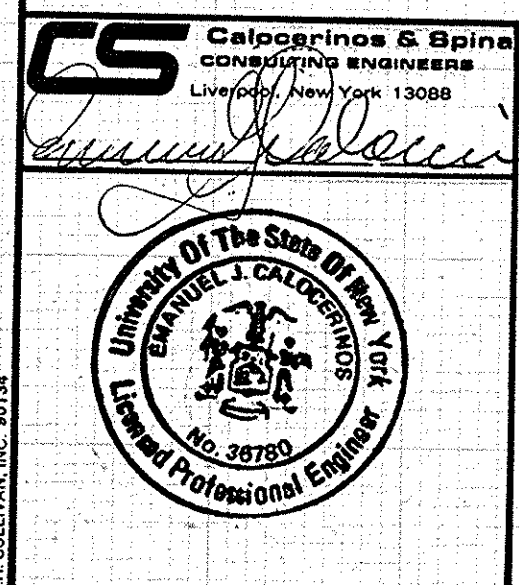
NO AS-BUILT REVISIONS			
DATE	DESCRIPTION	BY	SYB
REVISIONS			
NEW YORK STATE THRUWAY AUTHORITY			
DEPARTMENT OF ENGINEERING AND MAINTENANCE			
200 SOUTHERN BLVD., ALBANY, NEW YORK 12209			
TITLE OF PROJECT:			
ROADWAY REHABILITATION			
LOCATION OF PROJECT:			
M.P. 267.0 ± - M.P. 285.2 ±			
TITLE OF DRAWING:			
PLAN			
STA. 2730+00 TO STA. 2730+00			
	DRAWN BY:		
	J. H. Goldthwait		
	CHECKED BY:		
	D. A. Pilawa		
DATE:			November 25, 1987
DRAWING NO.:			27
TAS 88-5			



PLAN
STA. 2790+00 TO STA. 2806+00
(M.P. 273.82± TO M.P. 273.51±)



PLAN
STA. 2806+00 TO STA. 2820+50
(M.P. 273.51± TO M.P. 273.23±)

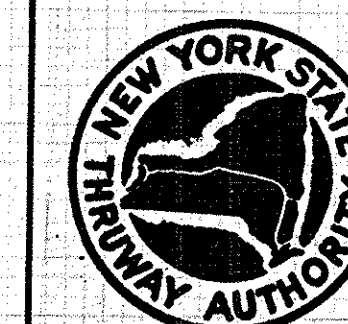


NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.

AS BUILT REVISIONS
 012/18/88 School Rd. Manlius

DATE	DESCRIPTION	BY	SYB
REVISIONS			
NEW YORK STATE THRUWAY AUTHORITY			
DEPARTMENT OF ENGINEERING AND MAINTENANCE			
200 SOUTHERN BLVD., ALBANY, NEW YORK 12209			
TITLE OF PROJECT:			
ROADWAY REHABILITATION			
LOCATION OF PROJECT:			
M.P. 267.0 ± - M.P. 285.2 ±			
TITLE OF DRAWING:			

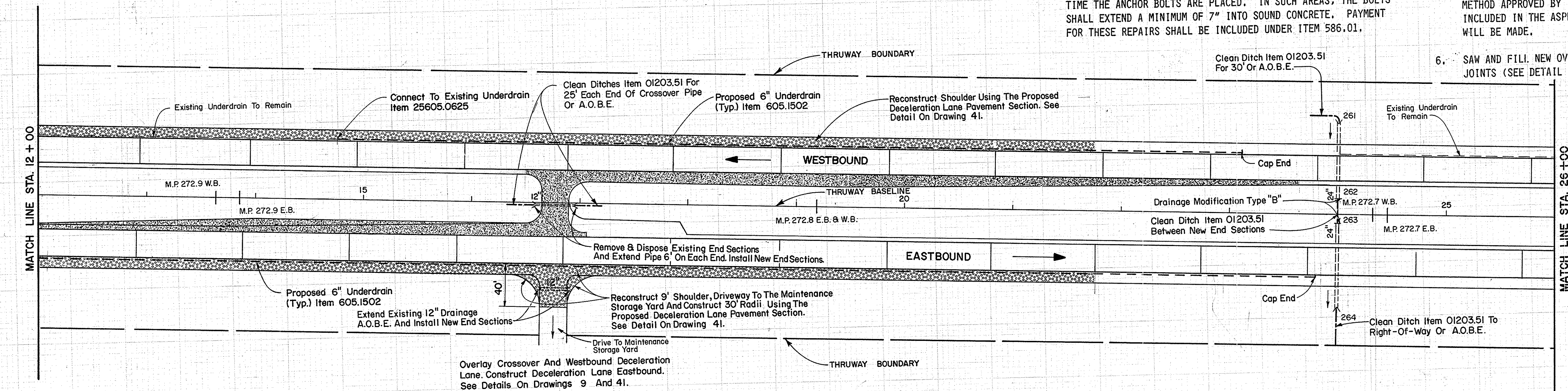
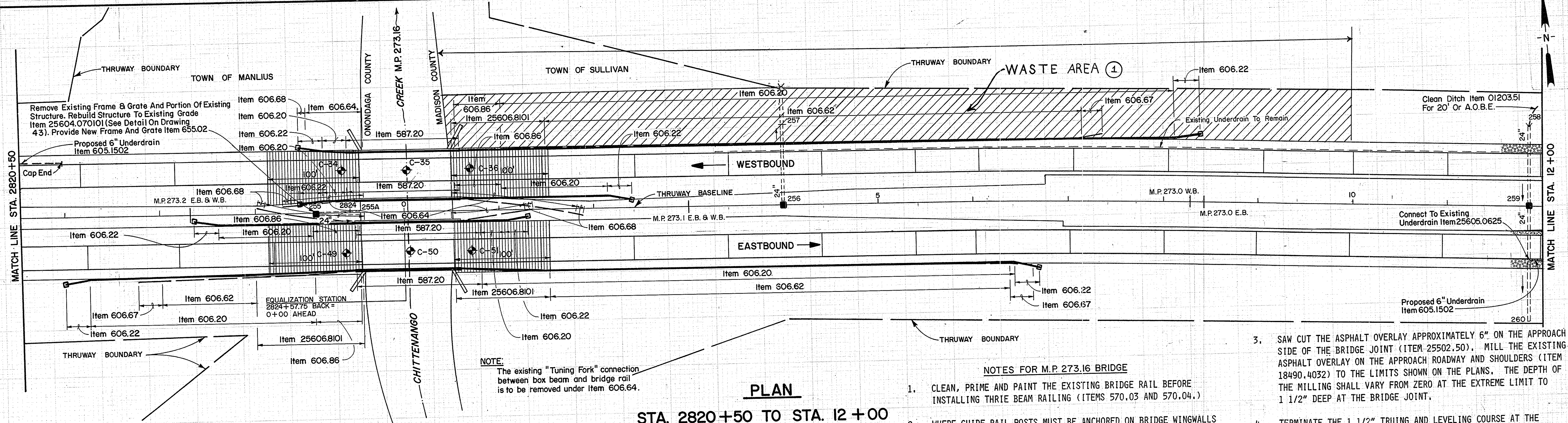
PLAN
STA. 2790+00 TO STA. 2820+50



DRAWN BY:
D.K. Mills
 CHECKED BY:
D.A. Piliwa
 DATE:
November 25, 1987
 DRAWING NO.:

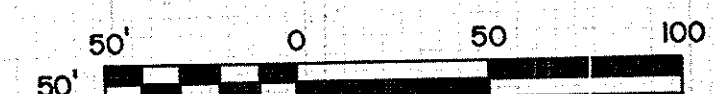
29

TAS 88-5



- NOTES FOR M.P. 273.16 BRIDGE**
- CLEAN, PRIME AND PAINT THE EXISTING BRIDGE RAIL BEFORE INSTALLING THREE BEAM RAILING (ITEMS 570.03 AND 570.04.)
 - WHERE GUIDE RAIL POSTS MUST BE ANCHORED ON BRIDGE WINGWALLS IN AREAS OF DETERIORATED CONCRETE, CHIP OUT THE UNSOUND CONCRETE AND REFILL THE AREA WITH NON-SHRINK GROUT AT THE TIME THE ANCHOR BOLTS ARE PLACED. IN SUCH AREAS, THE BOLTS SHALL EXTEND A MINIMUM OF 7" INTO SOUND CONCRETE. PAYMENT FOR THESE REPAIRS SHALL BE INCLUDED UNDER ITEM 586.01.
 - SAW CUT THE ASPHALT OVERLAY APPROXIMATELY 6" ON THE APPROACH SIDE OF THE BRIDGE JOINT (ITEM 25502.50). MILL THE EXISTING ASPHALT OVERLAY ON THE APPROACH ROADWAY AND SHOULDERS (ITEM 18490.4032) TO THE LIMITS SHOWN ON THE PLANS. THE DEPTH OF THE MILLING SHALL VARY FROM ZERO AT THE EXTREME LIMIT TO 1 1/2" DEEP AT THE BRIDGE JOINT.
 - TERMINATE THE 1 1/2" TRUING AND LEVELING COURSE AT THE BRIDGE JOINTS.
 - PLACE 1 1/2" TOP COURSE ACROSS BRIDGE DECK USING STRINGLINE METHOD APPROVED BY THE ENGINEER. COST OF STRINGLINING TO BE INCLUDED IN THE ASPHALT CONCRETE ITEMS. NO SEPARATE PAYMENT WILL BE MADE.
 - SAW AND FILL NEW OVERLAY (ITEM 25502.5101) AT THE BRIDGE JOINTS (SEE DETAIL ON DRAWING 28).

NOTE:
See Dwg. No. 11 for Legend.



NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.

AS-BUILT REVISIONS

DATE	DESCRIPTION	BY	SYB.
11/14/88	NEW WASTE AREA	R.O.B.E.	3

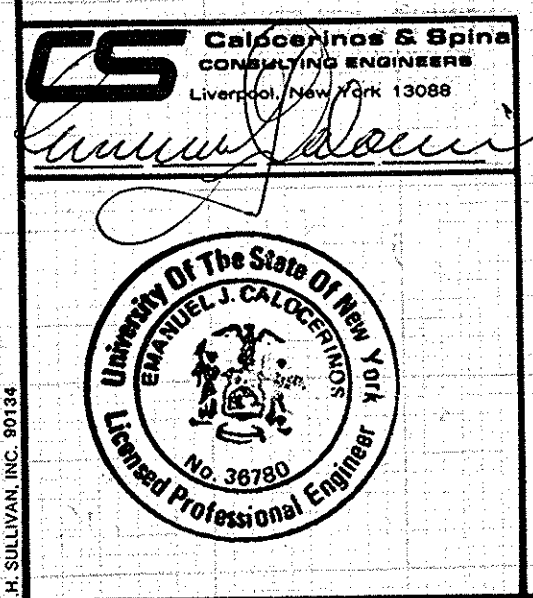
REVISIONS

NEW YORK STATE THRUWAY AUTHORITY
DEPARTMENT OF ENGINEERING AND MAINTENANCE
200 SOUTHERN BLVD., ALBANY, NEW YORK 12209
TITLE OF PROJECT:
ROADWAY REHABILITATION
LOCATION OF PROJECT:
M.P. 267.0± - M.P. 285.2±
TITLE OF DRAWING:

PLAN
STA. 2820+50 TO STA. 26+00

DRAWN BY:
J. H. Goldthwait
CHECKED BY:
D. A. Pilawa
DATE:
November 25, 1987
DRAWING NO.:
30

TAS 88-5

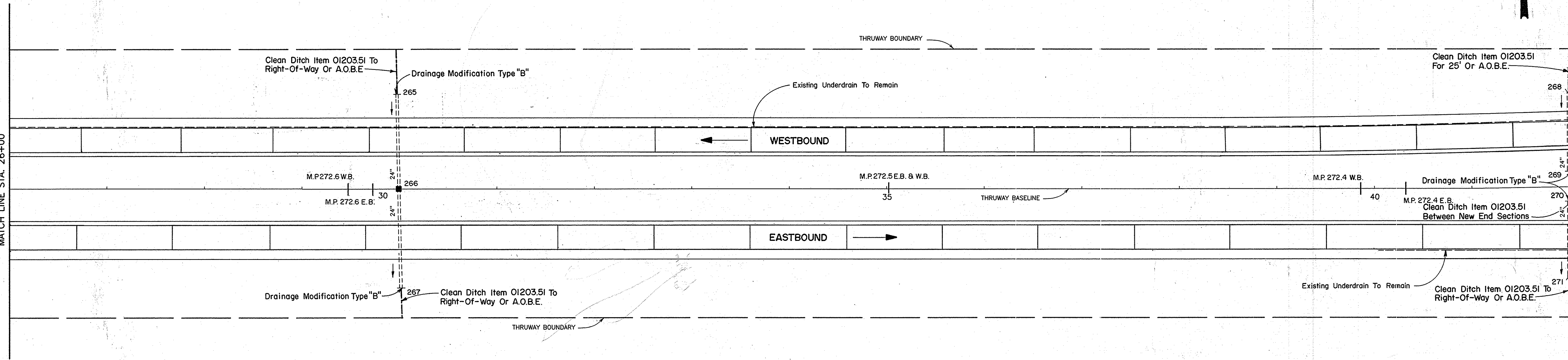


IN CHARGE OF: J. W. Franz Jr., P.E.
MADE BY: S. H. George, P.E.

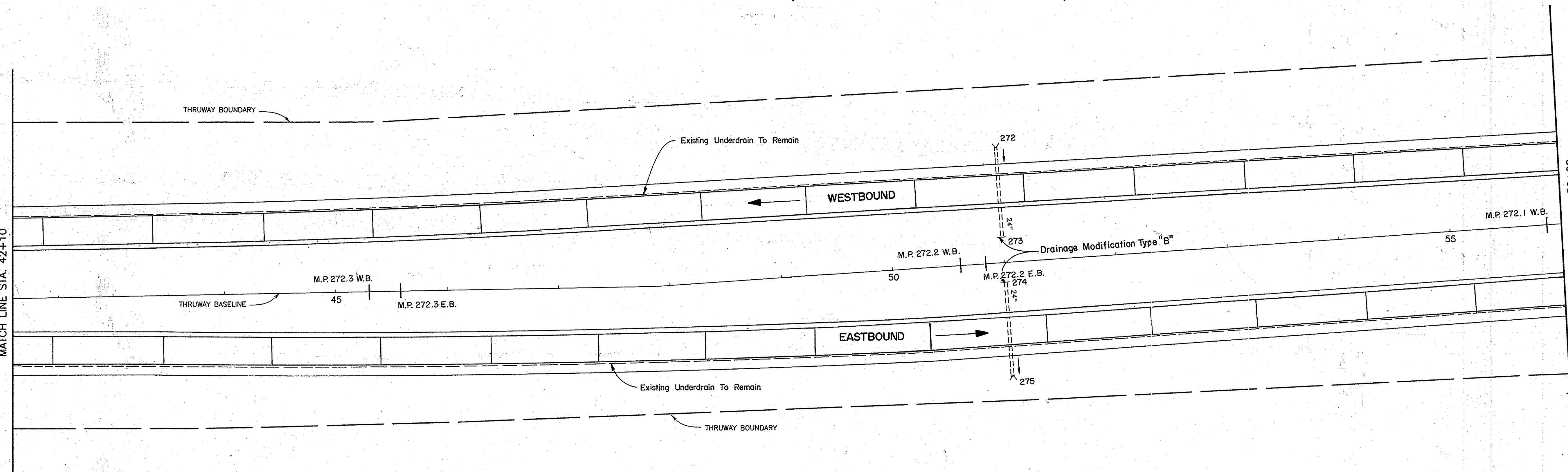
MATCH LINE STA. 26+00

MATCH LINE STA. 42+10

MATCH LINE STA. 42+10



PLAN
STA. 26+00 TO STA. 42+10
(M.P. 272.67± TO M.P. 272.36±)



PLAN
STA. 42+10 TO STA. 56+00
(M.P. 272.36± TO M.P. 272.10±)

NOTE:
See Dwg. No. 11 for Legend.

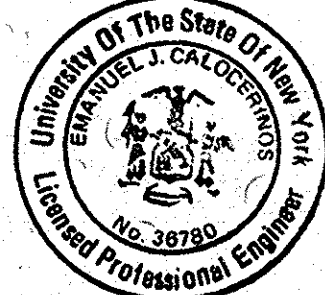


NO ALTERATION PERMITTED HEREON EXCEPT
AS PROVIDED UNDER SECTION 7209 SUBDIVISION
2 OF THE NEW YORK STATE EDUCATION LAW.

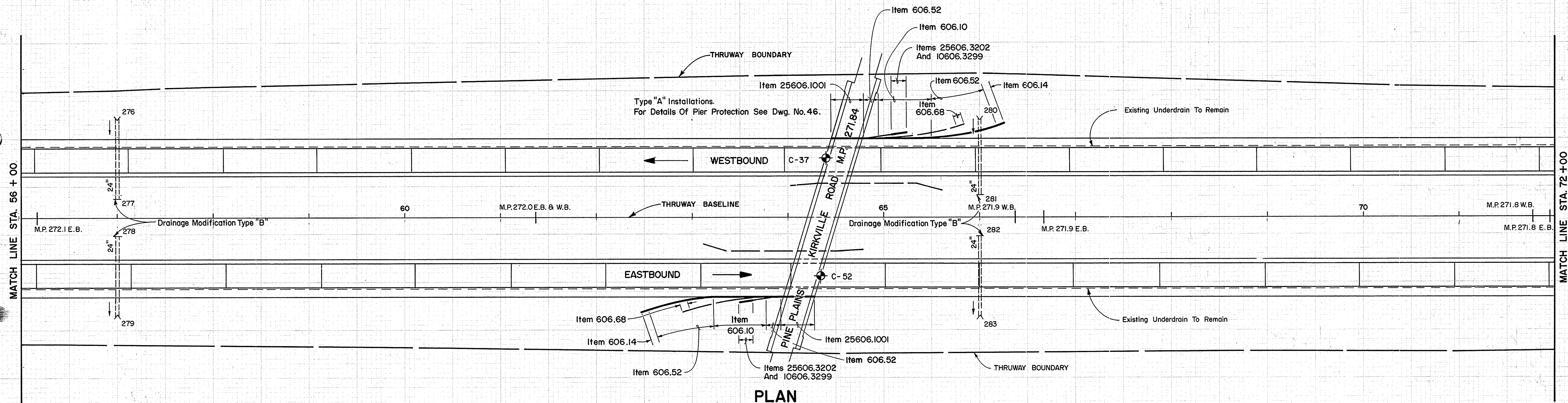
NO AS-BUILT REVISIONS

DATE	DESCRIPTION	BY	SYB.
REVISIONS			
NEW YORK STATE THRUWAY AUTHORITY			
DEPARTMENT OF ENGINEERING AND MAINTENANCE			
200 SOUTHERN BLVD., ALBANY, NEW YORK 12209			
TITLE OF PROJECT:			
ROADWAY REHABILITATION			
LOCATION OF PROJECT:			
M.P. 267.0± - M.P. 285.2±			
TITLE OF DRAWING:			
PLAN			
STA. 26+00 TO STA. 56+00			
DRAWN BY:			
J.M. Lazzaro (CAD)			
CHECKED BY:			
D.A. Pilawa			
DATE:			
November 25, 1987			
DRAWING NO.:			
31			
TAS 88 - 5			

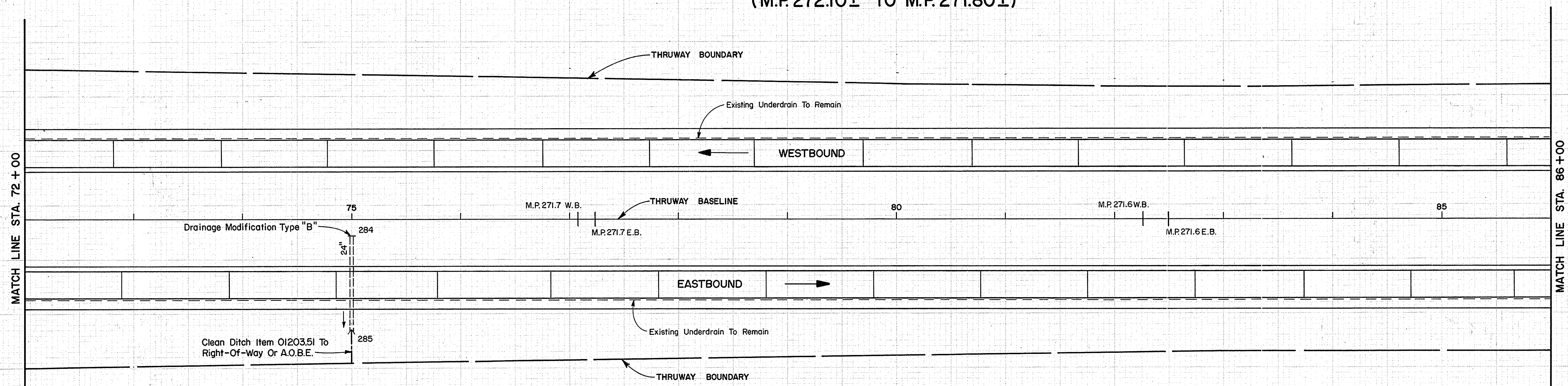
Calacerrinos & Spina
consulting engineers
Liverpool, New York 13088



IN CHARGE OF: J.W. Franz, Jr., P.E.
MADE BY: S.H. George, P.E.

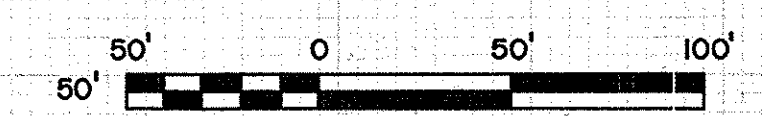


PLAN
STA. 56+00 TO STA. 72+00
(M.P. 272.10± TO M.P. 271.80±)



PLAN
STA. 72+00 TO STA. 86+00
(M.P. 271.80± TO M.P. 271.53±)

NOTE:
See Dwg. No. 11 for Legend.



NO ALTERATION PERMITTED HEREON EXCEPT
AS PROVIDED UNDER SECTION 7209, SUBDIVISION
2 OF THE NEW YORK STATE EDUCATION LAW.

NO AS-BUILT REVISIONS

DATE	DESCRIPTION	BY	SYB
REVISIONS			

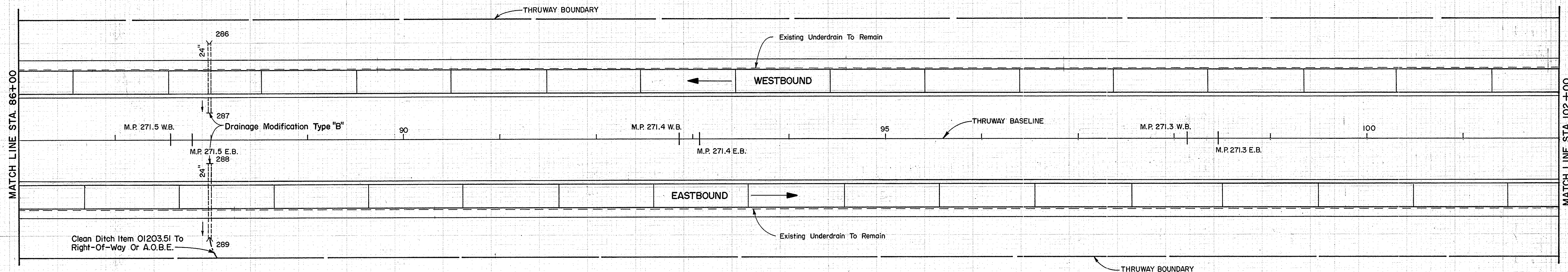
NEW YORK STATE THRUWAY AUTHORITY DEPARTMENT OF ENGINEERING AND MAINTENANCE 200 SOUTHERN BLVD., ALBANY, NEW YORK 12209	
TITLE OF PROJECT: ROADWAY REHABILITATION	
LOCATION OF PROJECT: M.P. 267.0 ± - M.P. 285.2 ±	
TITLE OF DRAWING: PLAN STA. 56+00 TO STA. 86+00	

	DRAWN BY: J. H. Goldthwait
	CHECKED BY: D. A. Pilawa
	DATE: November 25, 1987
	DRAWING NO.: 32

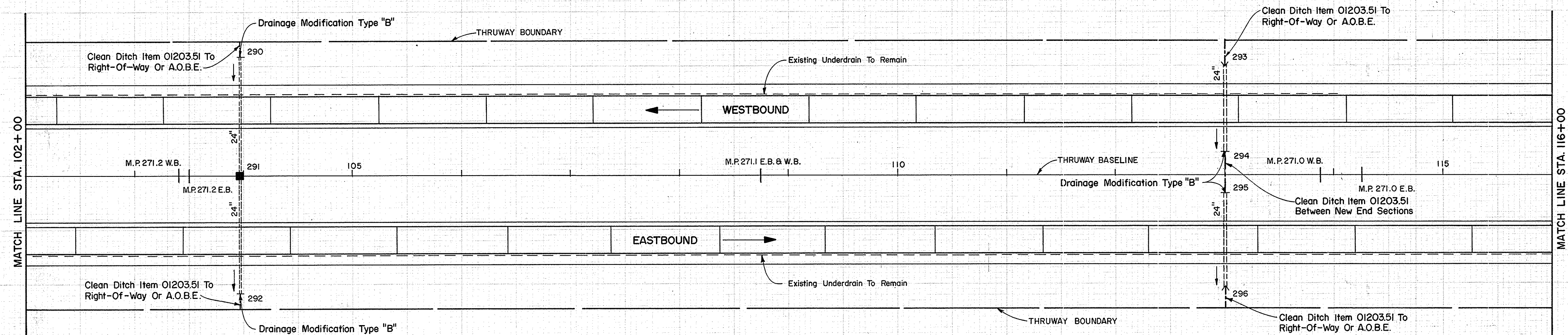
TAS 88-5

CS Calabrese & Spina
CONSULTING ENGINEERS
LIVERPOOL, NEW YORK 13088

IN CHARGE OF: J. W. Franz Jr., P.E.
MADE BY: S. H. George, P.E.



PLAN
 STA. 86+00 TO STA. 102+00
 (M.P. 271.53± TO M.P. 271.23±)




PLAN
 STA. 102+00 TO STA. 116+00
 (M.P. 271.23± TO M.P. 270.96±)

NOTE:
 See Dwg. No. 11 for Legend.

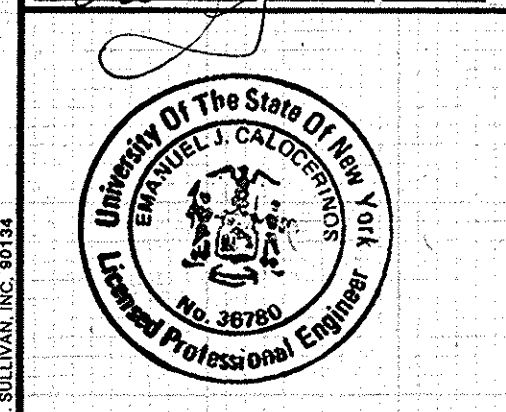


NO ALTERATION PERMITTED HEREON EXCEPT
 AS PROVIDED UNDER SECTION 7209 SUBDIVISION
 2 OF THE NEW YORK STATE EDUCATION LAW

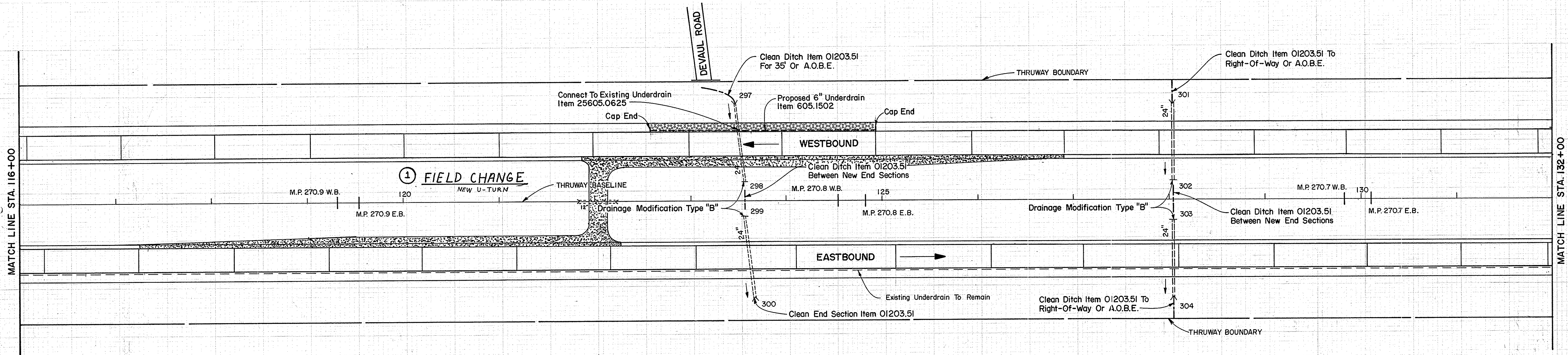
NO AS-BUILT REVISIONS

DATE	DESCRIPTION	BY	SYB		
REVISIONS					
NEW YORK STATE THRUWAY AUTHORITY					
DEPARTMENT OF ENGINEERING AND MAINTENANCE					
200 SOUTHERN BLVD., ALBANY, NEW YORK 12209					
TITLE OF PROJECT:					
ROADWAY REHABILITATION					
LOCATION OF PROJECT:					
M. P. 267.0 ± — M. P. 285.2 ±					
TITLE OF DRAWING:					
PLAN					
STA. 86+00 TO STA. 116+00					
		DRAWN BY:			
		M. T. Scharf			
		CHECKED BY:			
		D. A. Pilawa			
		DATE:			
		November 25, 1987			
		DRAWING NO.:			
		33			
TAS 88—5					

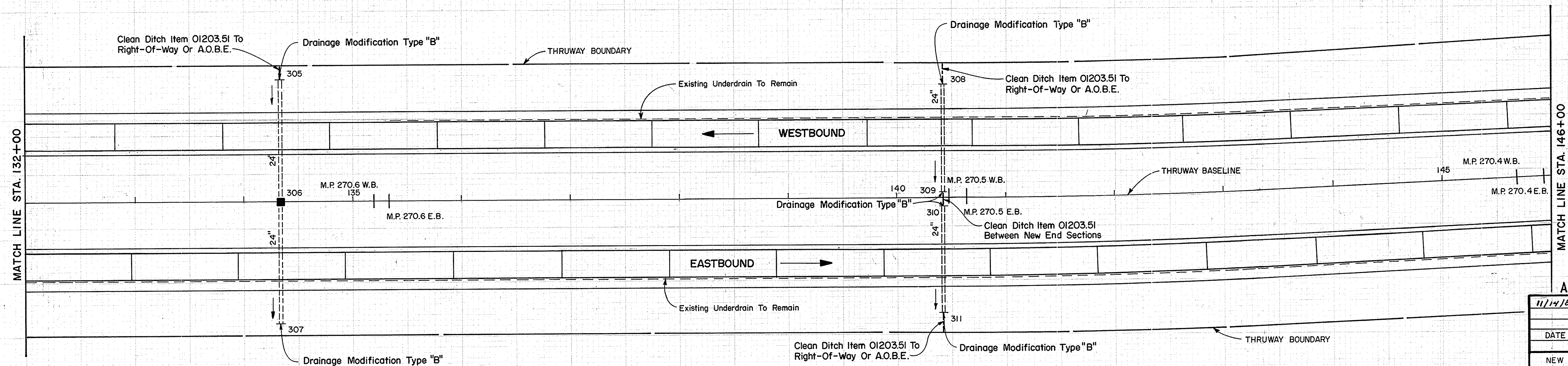
CS Calogerinos & Spina
 CONSULTING ENGINEERS
 LIVERPOOL, NEW YORK 13088



IN CHARGE OF: J.W. Franz, Jr., P.E.
 MADE BY: S.H. George, P.E.



PLAN
STA. 116+00 TO STA. 132+00
(M.P. 270.96± TO M.P. 270.66±)



PLAN
STA. 132+00 TO STA. 146+00
(M.P. 270.66± TO M.P. 270.40±)

NOTE:
See Dwg. No. 11 for Legend.



NO ALTERATION PERMITTED HEREON EXCEPT
AS PROVIDED UNDER SECTION 7209 SUBDIVISION
2 OF THE NEW YORK STATE EDUCATION LAW.

AS-BUILT REVISIONS

DATE	DESCRIPTION	BY	SYB
11/14/88	NEW U-TURN	A.O.B.E.	3

NEW YORK STATE THRUWAY AUTHORITY
DEPARTMENT OF ENGINEERING
AND MAINTENANCE
200 SOUTHERN BLVD., ALBANY, NEW YORK 12209

TITLE OF PROJECT:
ROADWAY REHABILITATION

LOCATION OF PROJECT:
M.P. 267.0± — M.P. 285.2±

TITLE OF DRAWING:
PLAN

STA. 116+00 TO STA. 146+00

DRAWN BY:
M.T. Scharf

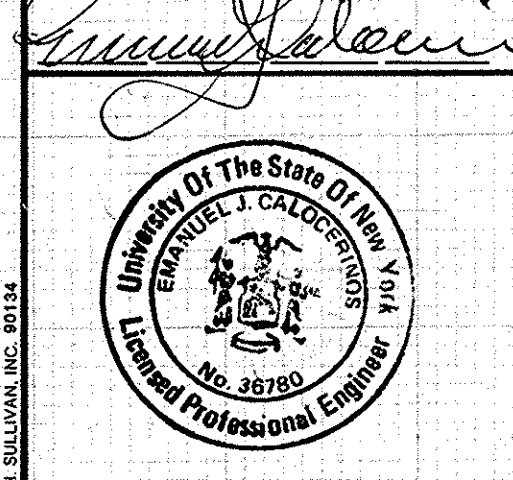
CHECKED BY:
D.A. Pilawa

DATE:
November 25, 1987

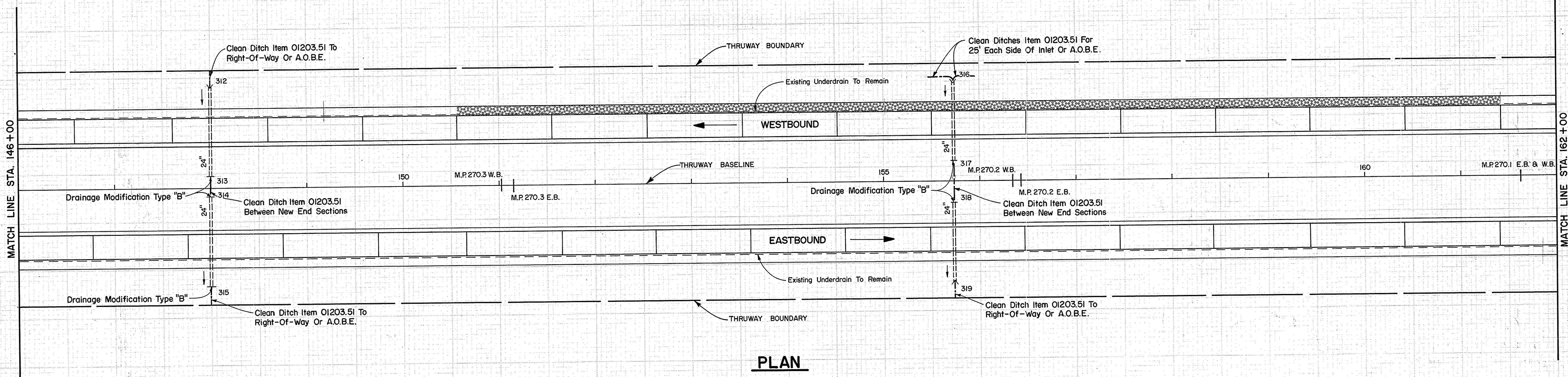
DRAWING NO.:
34

TAS 88-5

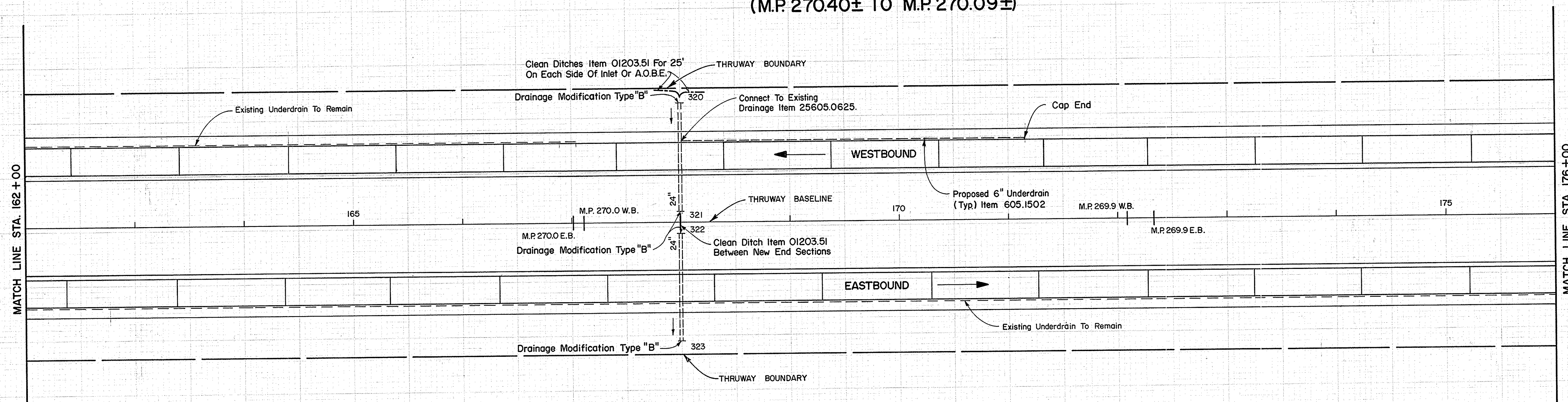
CS
Cajacerinos & Spina
CONSULTING ENGINEERS
LIVERPOOL, NEW YORK 13088



IN CHARGE OF: **J.W. Franz, Jr., P.E.**
MADE BY: **S.H. George, P.E.**



PLAN
STA. 146+00 TO STA. 162+00
(M.P. 270.40± TO M.P. 270.09±)



PLAN
STA. 162+00 TO STA. 176+00
(M.P. 270.09± TO M.P. 269.83±)

NOTE:
 See Dwg. No. 11 for Legend.



NO ALTERATION PERMITTED HEREON EXCEPT
 AS PROVIDED UNDER SECTION 7209 SUBDIVISION
 2 OF THE NEW YORK STATE EDUCATION LAW.

NO AS-BUILT REVISIONS

DATE	DESCRIPTION	BY	SYB.
REVISIONS			
NEW YORK STATE THRUWAY AUTHORITY			
DEPARTMENT OF ENGINEERING AND MAINTENANCE			
200 SOUTHERN BLVD., ALBANY, NEW YORK 12209			
TITLE OF PROJECT:			
ROADWAY REHABILITATION			
LOCATION OF PROJECT:			
M.P. 267.0 ± - M.P. 285.2 ±			
TITLE OF DRAWING:			
PLAN			
STA. 146+00 TO STA. 176+00			

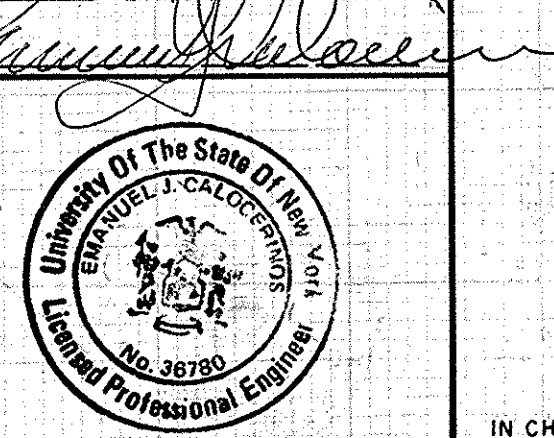


DRAWN BY:
 J. H. Goldthwait
 CHECKED BY:
 D. A. Pilawa
 DATE:
 November 25, 1987
 DRAWING NO.:

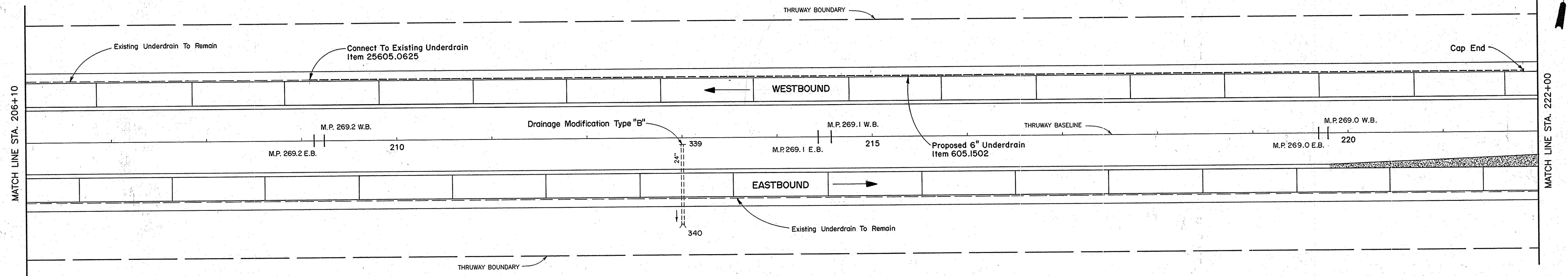
35

TAS 88-5

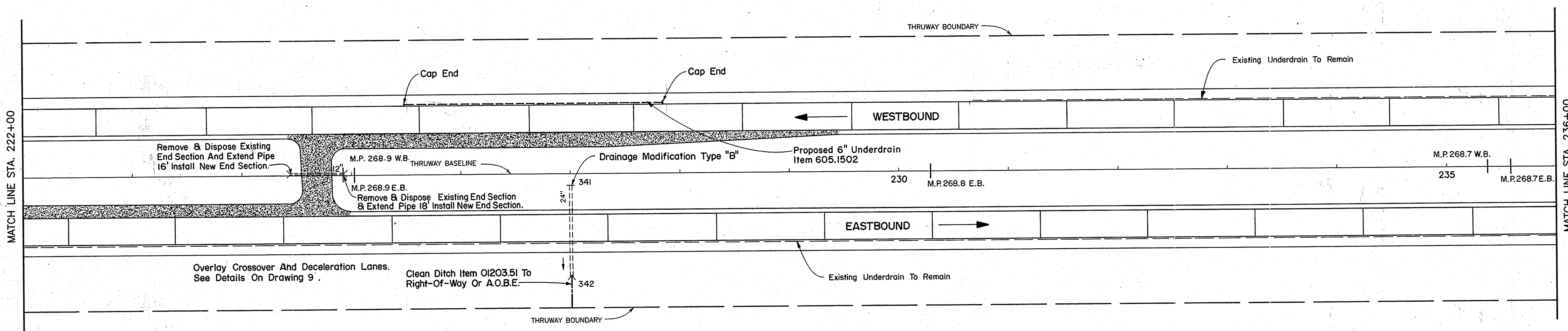
CS Catalano & Spina
 CONSULTING ENGINEERS
 LIVERPOOL, NEW YORK 13088



IN CHARGE OF: J. W. Franz, Jr., P.E.
 MADE BY: S. H. George, P.E.



PLAN
 STA. 206+10 TO STA. 222+00
 (M.P. 269.26± TO STA. 268.96±)



PLAN
 STA. 222+00 TO STA. 236+00
 (M.P. 268.96± TO M.P. 268.69±)

NOTE:
 See Dwg. No. 11 for Legend.



NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.

NO AS-BUILT REVISIONS

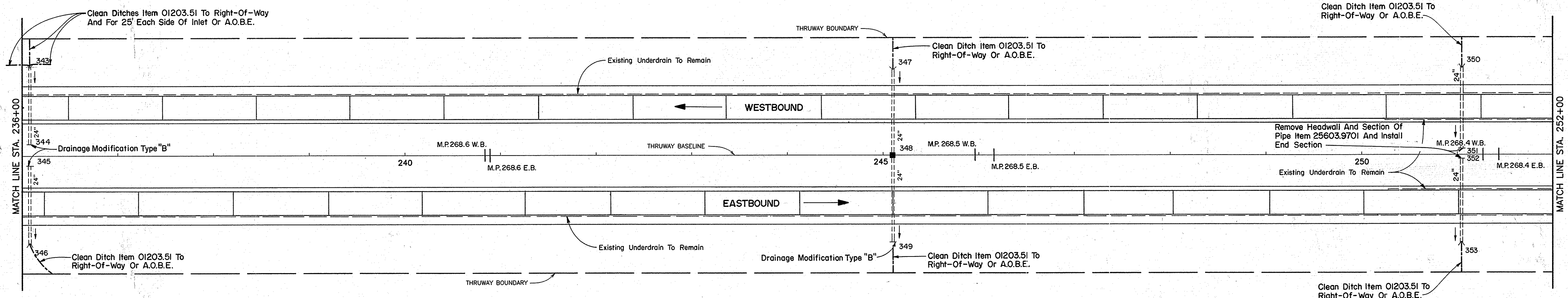
DATE	DESCRIPTION	BY	SYB.
REVISIONS			
NEW YORK STATE THRUWAY AUTHORITY			
DEPARTMENT OF ENGINEERING AND MAINTENANCE			
200 SOUTHERN BLVD., ALBANY, NEW YORK 12209			
TITLE OF PROJECT:			
ROADWAY REHABILITATION			
LOCATION OF PROJECT:			
M.P. 267.0± - M.P. 285.2±			
TITLE OF DRAWING:			
PLAN			
STA. 206+10 TO STA. 236+00			
DRAWN BY:		J.M. Lazzaro (CAD)	
CHECKED BY:		D.A. Pilawa	
DATE:		November 25, 1987	
DRAWING NO.:		37	
TAS 88 - 5			

Calacerrone & Spina
 Consulting Engineers
 100 West 10th Street
 New York, New York 10011

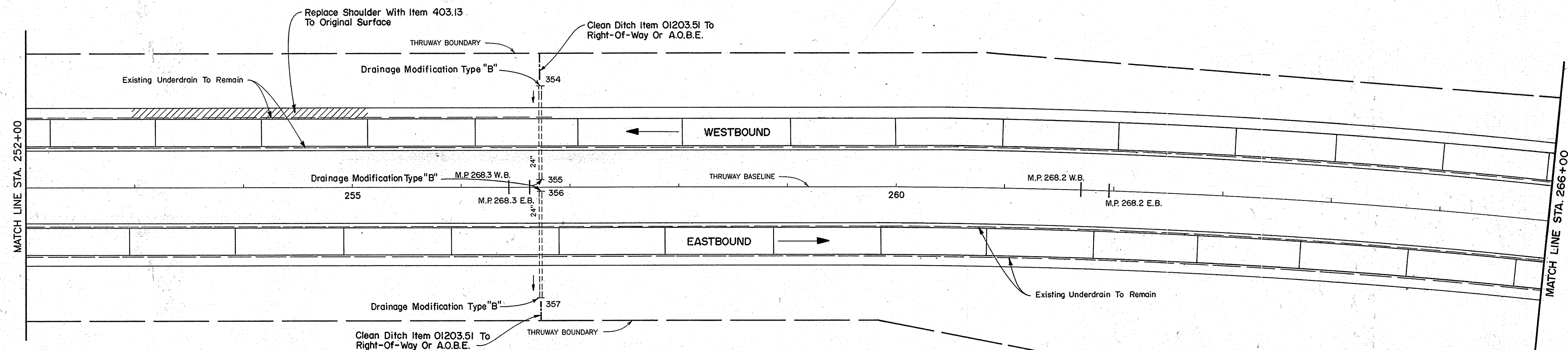
Signature

IN CHARGE OF: J.W. Franz, Jr., P.E.
 MADE BY: S.H. George, P.E.

UNIVERSITY OF THE STATE OF NEW YORK
 EXAMINER: J. CALACERRONE
 No. 36780
 Licensed Professional Engineer



PLAN
STA. 236+00 TO STA. 252+00
(M.P. 268.69± TO M.P. 268.39±)




PLAN
STA. 252+00 TO STA. 266+00
(M.P. 268.39± TO M.P. 268.12±)

NOTE:
See Dwg. No. II for Legend.



NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.

NO AS-BUILT REVISIONS

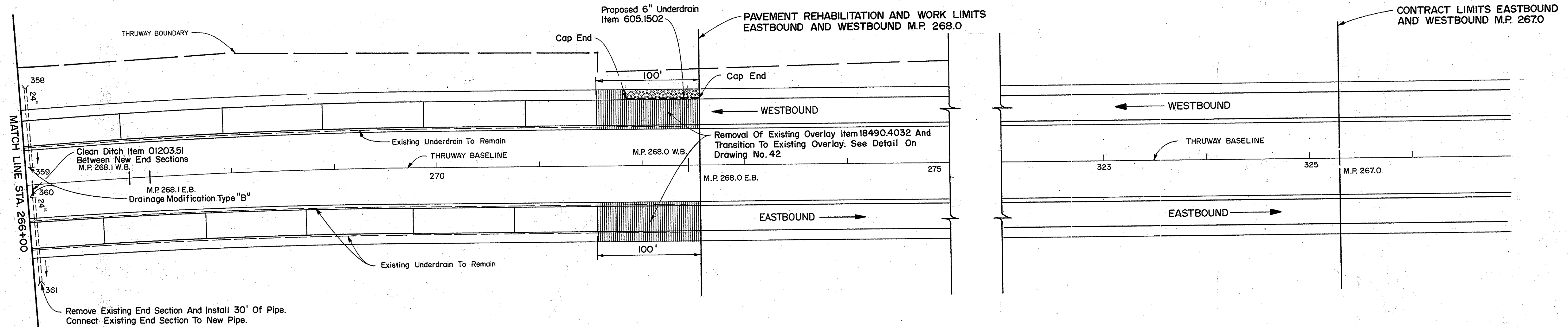
DATE	DESCRIPTION	BY	SYB.
REVISIONS			
NEW YORK STATE THRUWAY AUTHORITY			
DEPARTMENT OF ENGINEERING AND MAINTENANCE			
200 SOUTHERN BLVD., ALBANY, NEW YORK 12209			
TITLE OF PROJECT:			
ROADWAY REHABILITATION			
LOCATION OF PROJECT:			
M.P. 267.0± — M.P. 285.2±			
TITLE OF DRAWING:			
PLAN			
STA. 236+00 TO STA. 266+00			
	DRAWN BY:		
	J.M. Lazzaro (CAD)		
	CHECKED BY:		
	D.A. Pilawa		
	DATE:		
	November 25, 1987		
	DRAWING NO.:		
	38		
TAS 88 — 5			

Calocerinos & Spina
Consulting Engineers
Liverpool, New York 13088

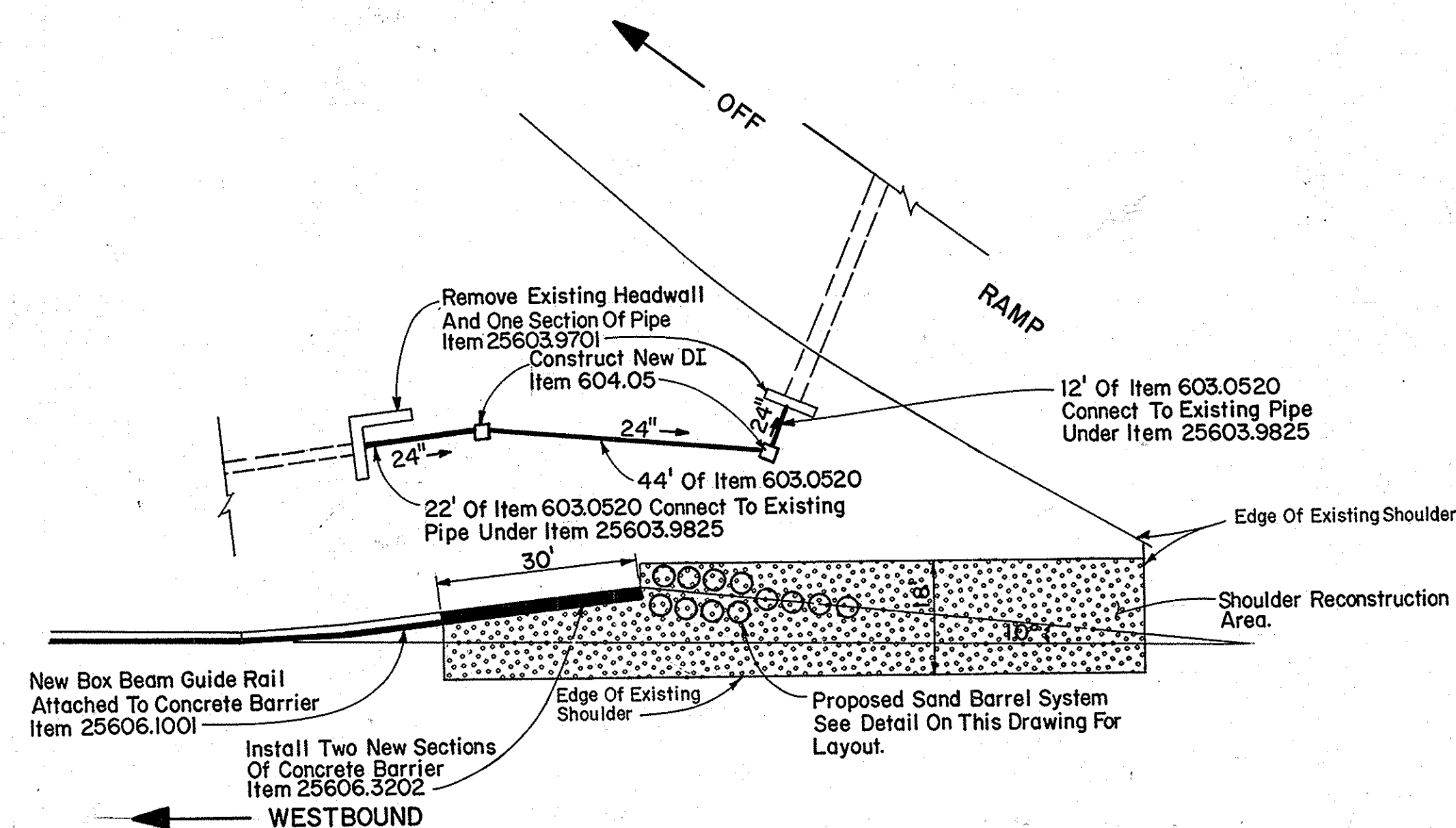
Signature



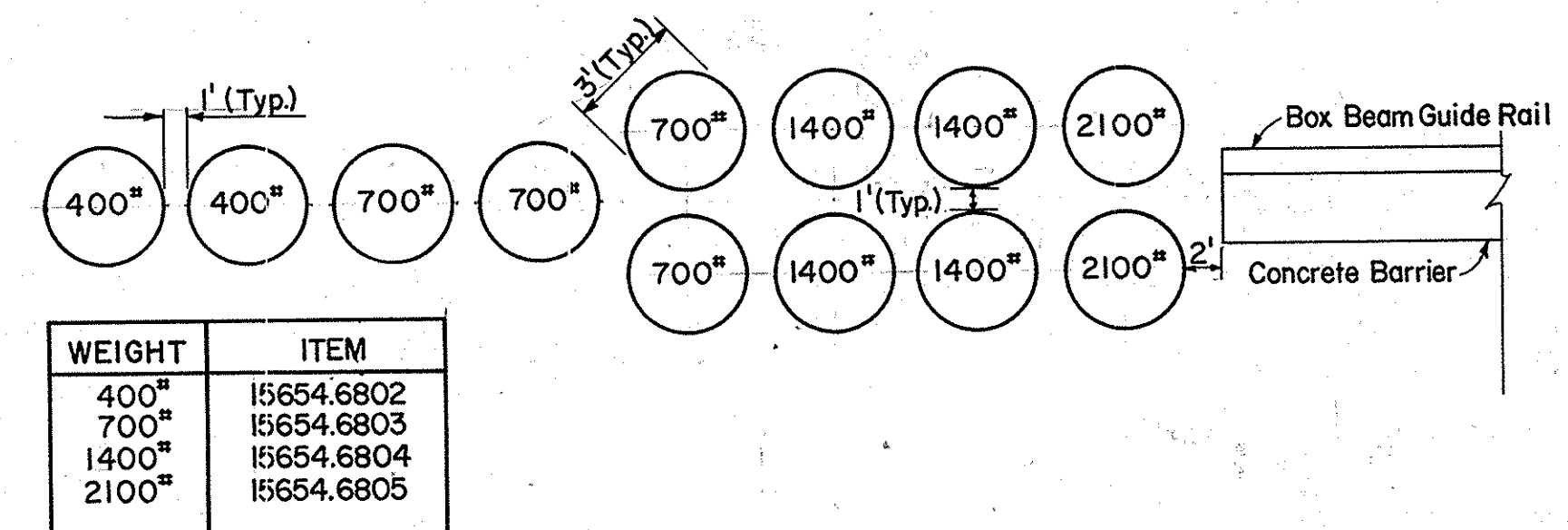
IN CHARGE OF: J.W. Franz, Jr., P.E.
MADE BY: S.H. George, P.E.



PLAN
STA. 266+00 TO STA. 325+29
(M.P. 268.12± TO M.P. 267.00±)



INTERCHANGE NO.36 DRAINAGE SYSTEM
AND PIER PROTECTION MODIFICATIONS
Scale: 1" = 20'



SAND BARREL SYSTEM DETAIL
Not To Scale

NOTE:
See Dwg. No. 11 for Legend.



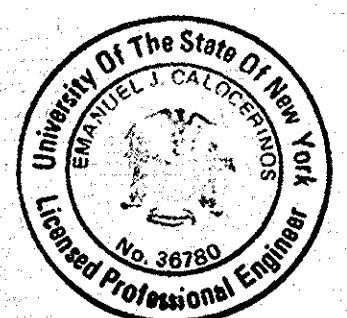
NO ALTERATION PERMITTED HEREON EXCEPT
AS PROVIDED UNDER SECTION 7209 SUBDIVISION
2 OF THE NEW YORK STATE EDUCATION LAW.

NO AS-BUILT REVISIONS

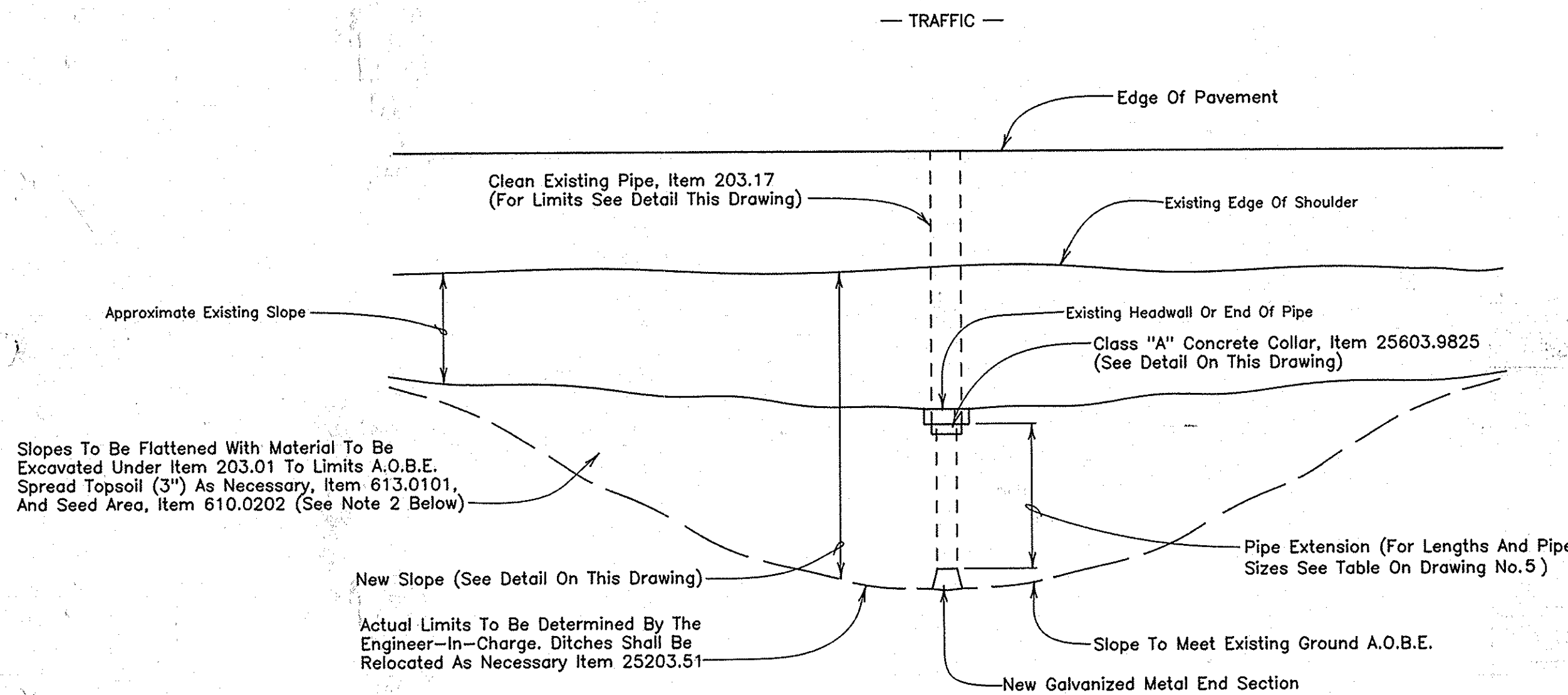
DATE	DESCRIPTION	BY	SYB.
REVISIONS			
NEW YORK STATE THRUWAY AUTHORITY			
DEPARTMENT OF ENGINEERING AND MAINTENANCE			
200 SOUTHERN BLVD., ALBANY, NEW YORK 12209			
TITLE OF PROJECT:			
ROADWAY REHABILITATION			
LOCATION OF PROJECT:			
M.P. 267.0± - M.P. 285.2±			
TITLE OF DRAWING:			
PLAN			
STA. 266+00 TO STA. 325+29			
DRAWN BY:			
J.M. Lazzaro (CAD)			
CHECKED BY:			
D.A. Piliwa			
DATE:			
November 25, 1987			
DRAWING NO.:			
39			
TAS 88 - 5			

Galoceros & Spina
CONSULTING ENGINEERS
LIVERPOOL, NEW YORK 13088

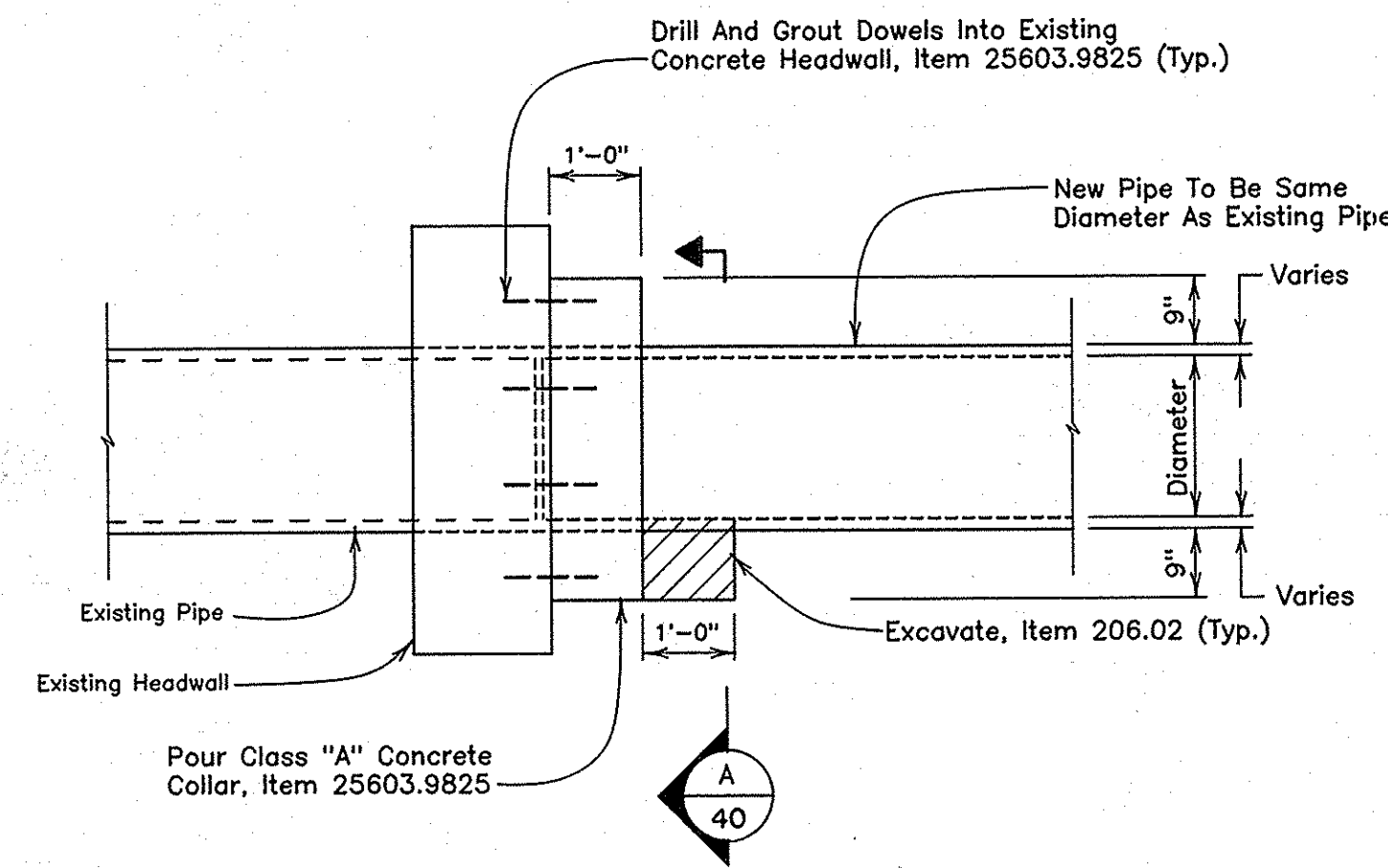
Signature



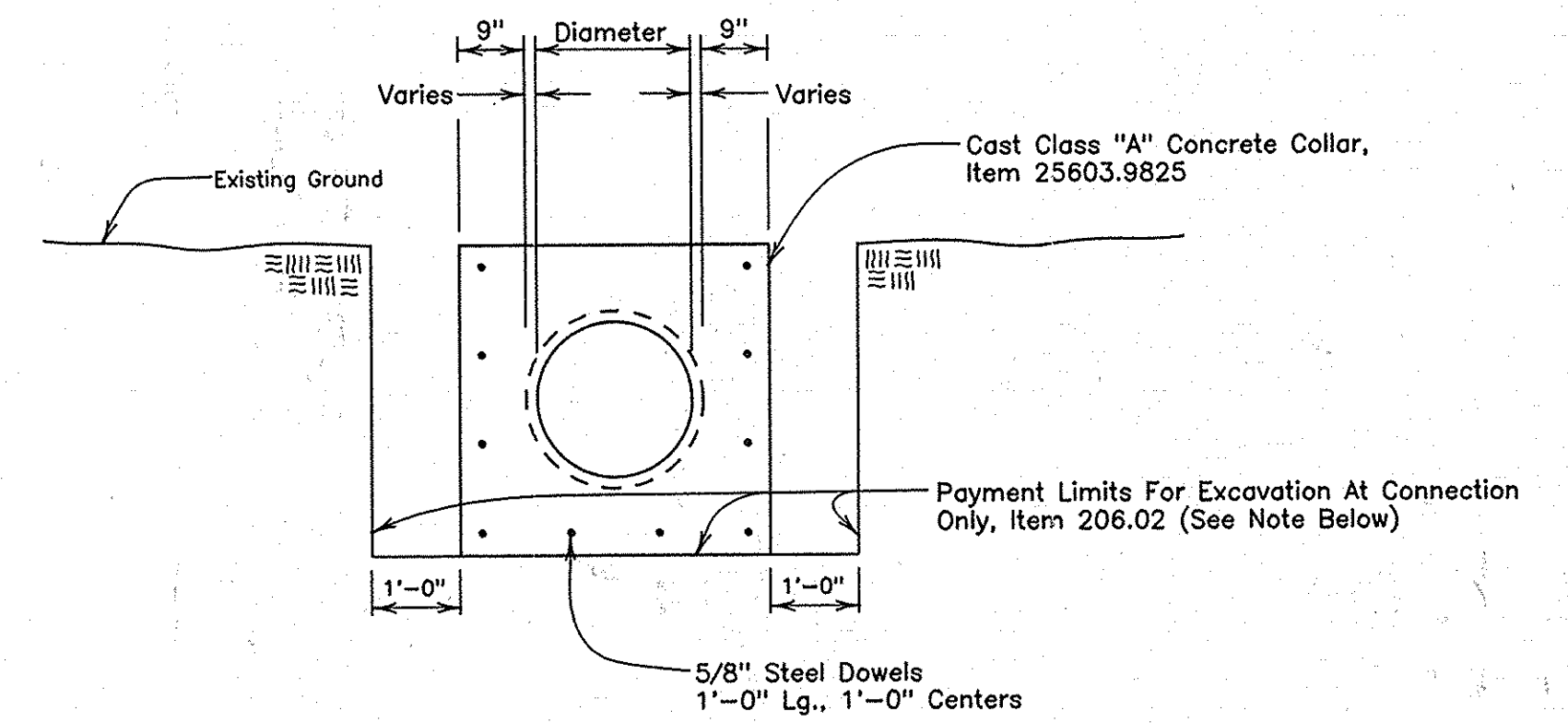
IN CHARGE OF: J.W. Franz, Jr., P.E.
MADE BY: S.H. George, P.E.



PLAN
Not To Scale

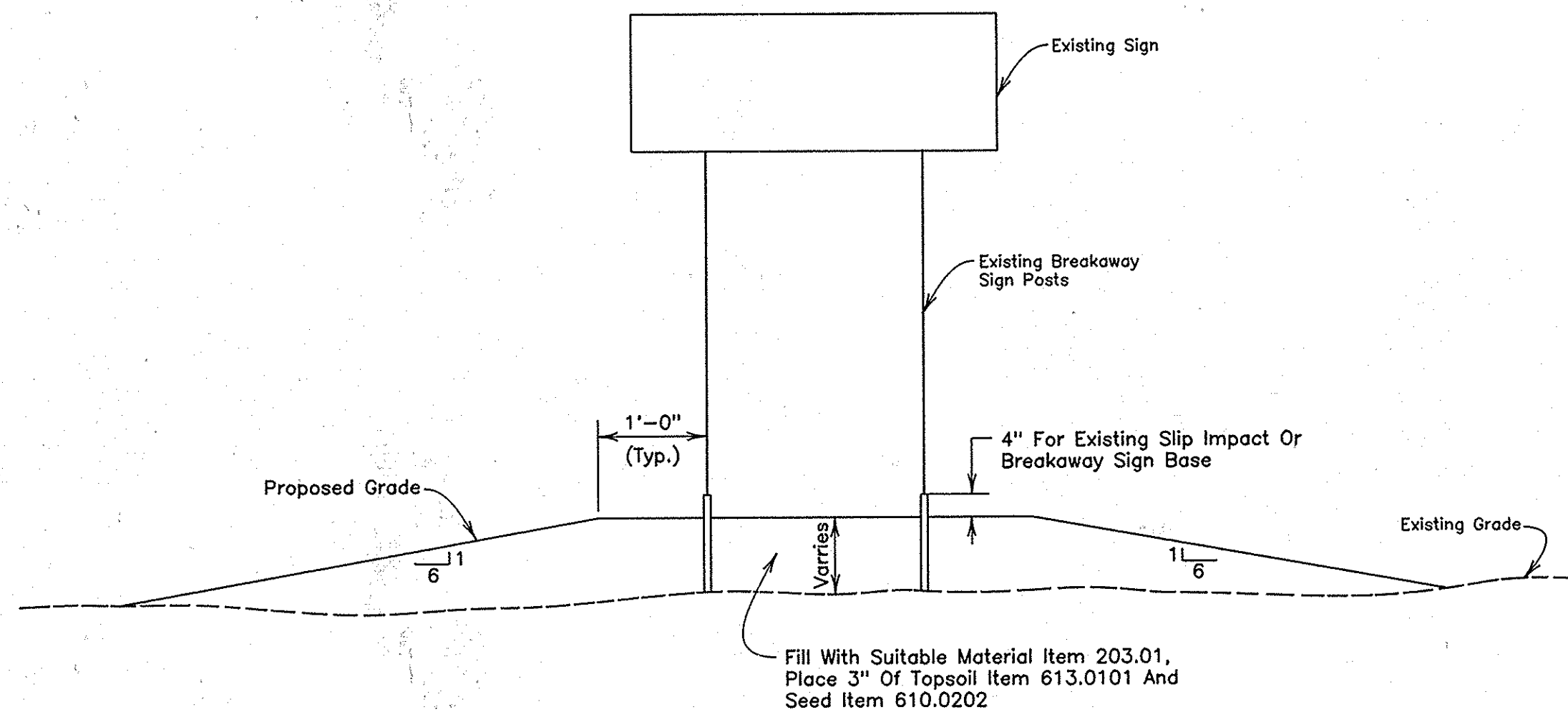


NEW PIPE TO EXISTING HEADWALL DETAIL
(TYPE "A")
Not To Scale

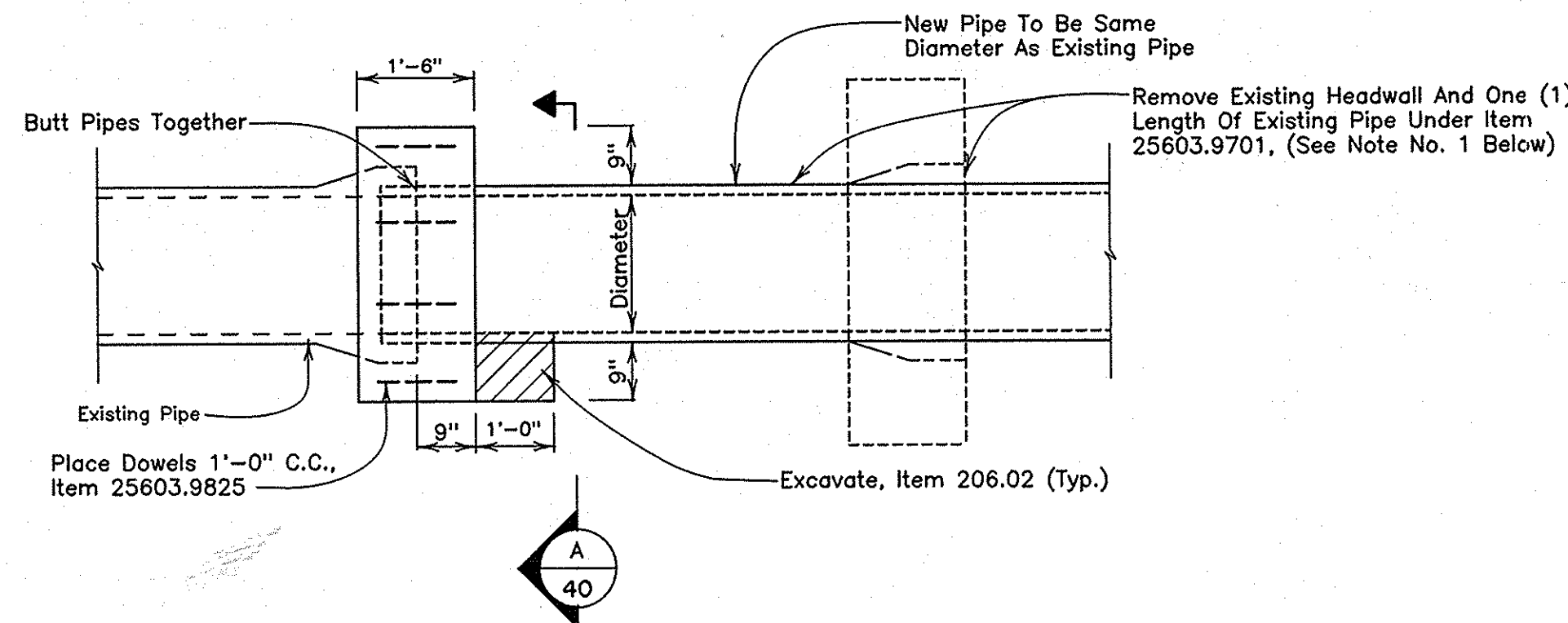


NOTE: Any excavation necessary to install the new pipe and end section other than the collar shall be included in the cost of Item 25603.9825.

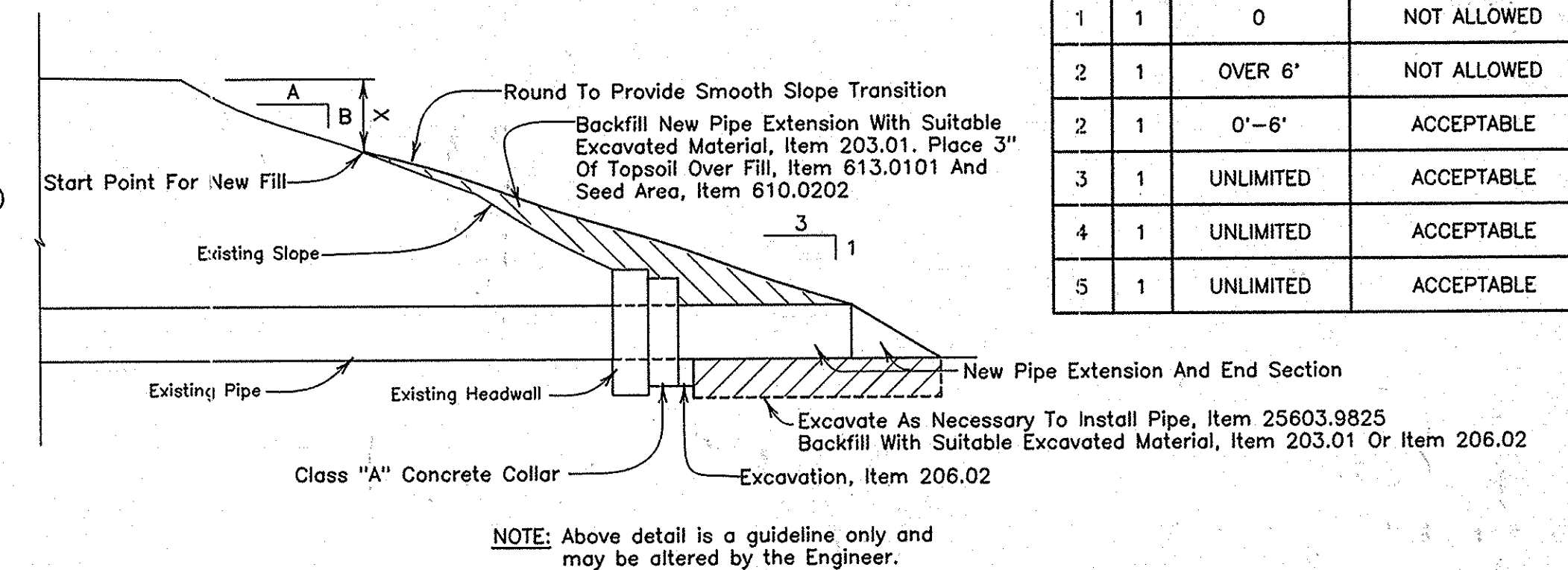
SECTION
Not To Scale



GRADE ADJUSTMENT DETAIL AT EXISTING SIGNS
Not To Scale



NEW PIPE - EXISTING HEADWALL REMOVED
(TYPE "B")
Not To Scale

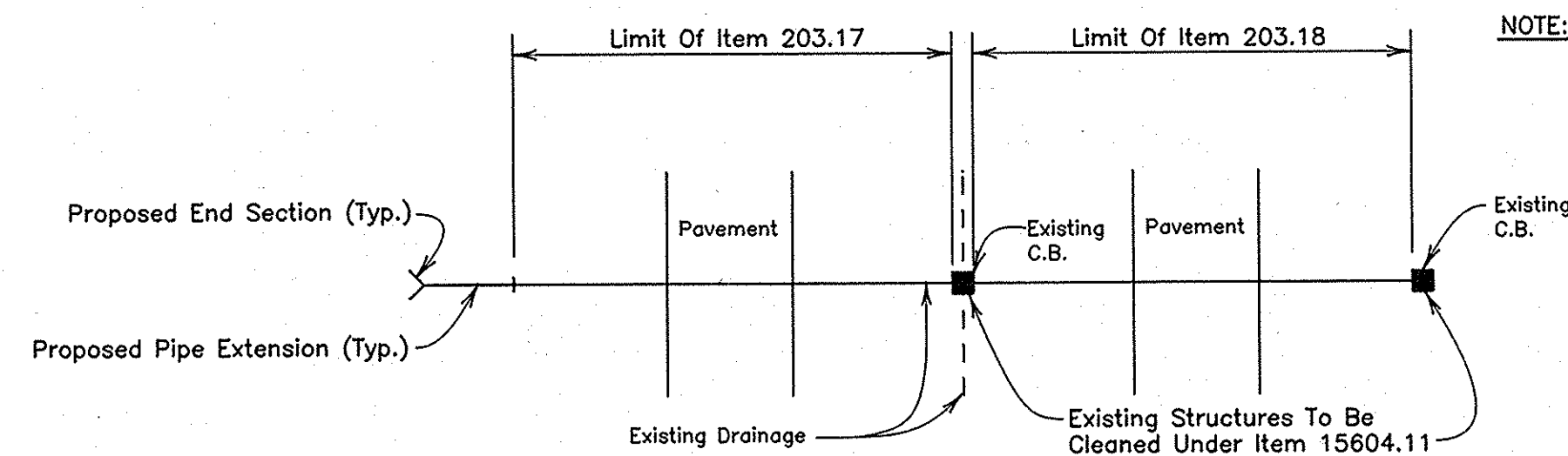


NOTE: Above detail is a guideline only and may be altered by the Engineer.

A	B	X	TOLERANCE
1	1	0	NOT ALLOWED
2	1	OVER 6'	NOT ALLOWED
2	1	0'-6'	ACCEPTABLE
3	1	UNLIMITED	ACCEPTABLE
4	1	UNLIMITED	ACCEPTABLE
5	1	UNLIMITED	ACCEPTABLE

CULVERT EXTENSION FILL GUIDELINES
Not To Scale

LOCATIONS	
WESTBOUND	EASTBOUND
272.00 RT.	268.75 RT.
274.65 RT.	268.90 LT.
276.75 RT.	269.00 RT.
277.39 RT.	275.20 RT.
279.41 RT.	275.65 RT.
279.49 RT.	276.62 RT.
281.72 RT.	277.41 RT.
283.29 RT.	
283.62 RT.	
283.72 RT.	



NOTE: For locations of culverts, storm sewers and drainage structures to be cleaned see table on Drawing No. 5.
Any existing end sections that require cleaning will be paid for under Item 01203.51.

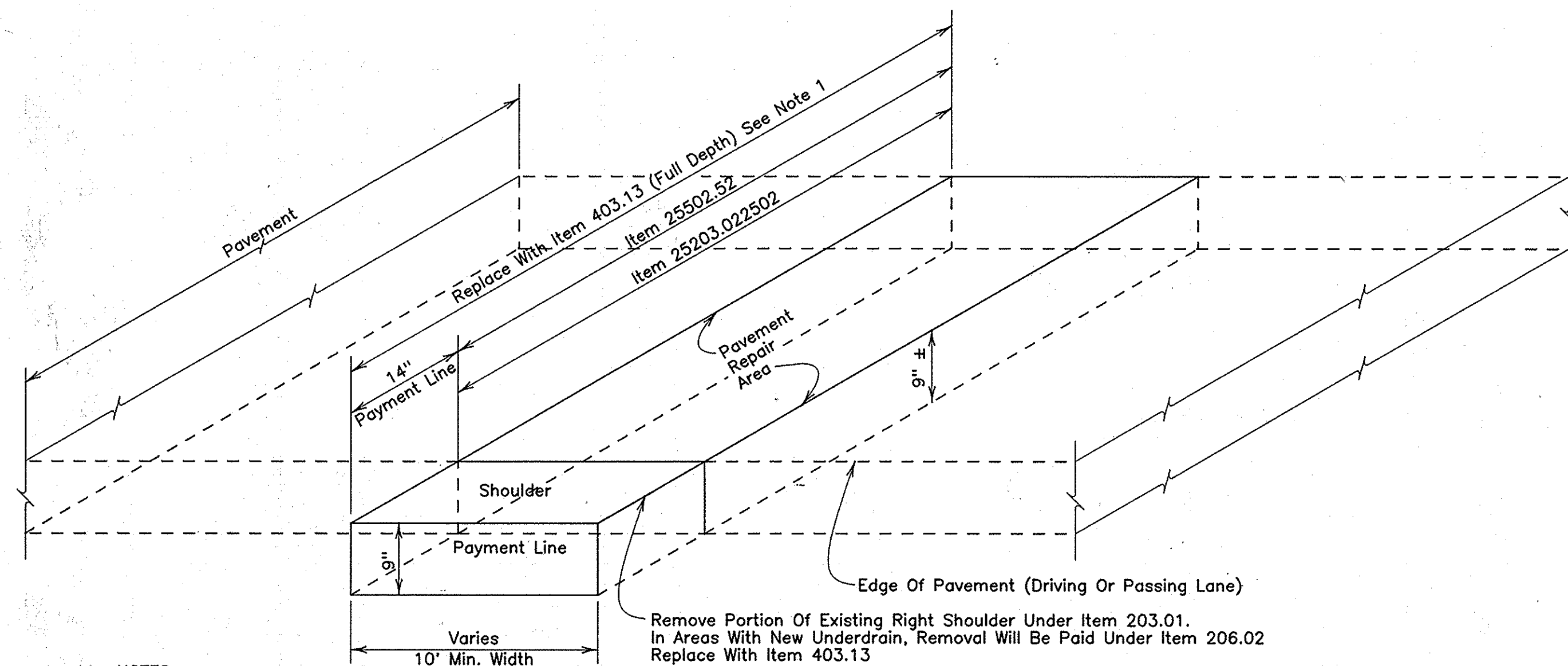
LIMITS FOR CLEANING CULVERTS DETAIL
Not To Scale

- NOTES:**
- Where removal is designated on roadway plan sheets or where headwall is tilted and/or pipe joint separated, remove headwall and one (1) section of existing pipe under Item 25603.9701. If additional section of pipe is separated, it shall be removed under Item 206.02 A.O.B.E. Connect new pipe to end of next section.
 - Seeding to include cost of seed, fertilizer and mulch binder. For seed composition table see Drawing No. 44.
 - Cross culverts to be extended are to be cleaned under Item 203.17. For table of extensions see Drawing No. 5.

NO AS-BUILT REVISIONS

DATE	DESCRIPTION	BY	SYB.
REVISIONS			
NEW YORK STATE THRUWAY AUTHORITY			
DEPARTMENT OF ENGINEERING AND MAINTENANCE			
200 SOUTHERN BLVD., ALBANY, NEW YORK 12209			
TITLE OF PROJECT: ROADWAY REHABILITATION			
LOCATION OF PROJECT: M.P. 267.0 - M.P. 285.2 ±			
TITLE OF DRAWING: DRAINAGE ALTERATION & GRADE ADJUSTMENT AT EXISTING SIGN DETAILS			
DRAWN BY: J.M. Lazzaro (CAD)		CHECKED BY: D.A. Pillawa	
DATE: November 25, 1987		DRAWING NO.: 40	
TAS 88-5			

NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.

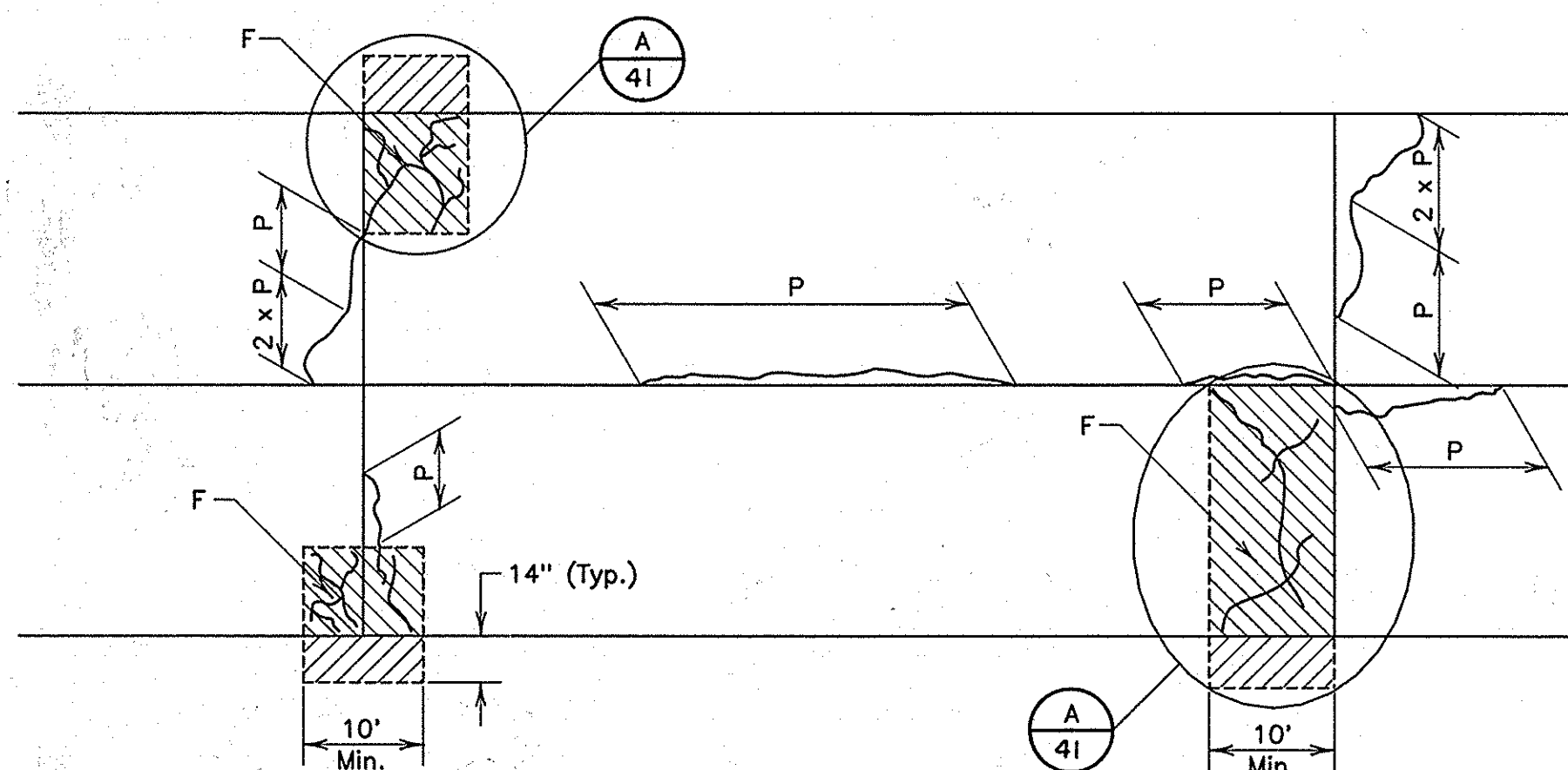
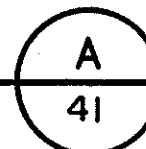


NOTES :

- Item 403.13 shall be placed in pavement and shoulder areas in 3 equal lifts to insure proper compaction.
- This removal detail shall not apply to mill shoulders and right shoulders that are to be reconstructed.

DETAIL

Not To Scale

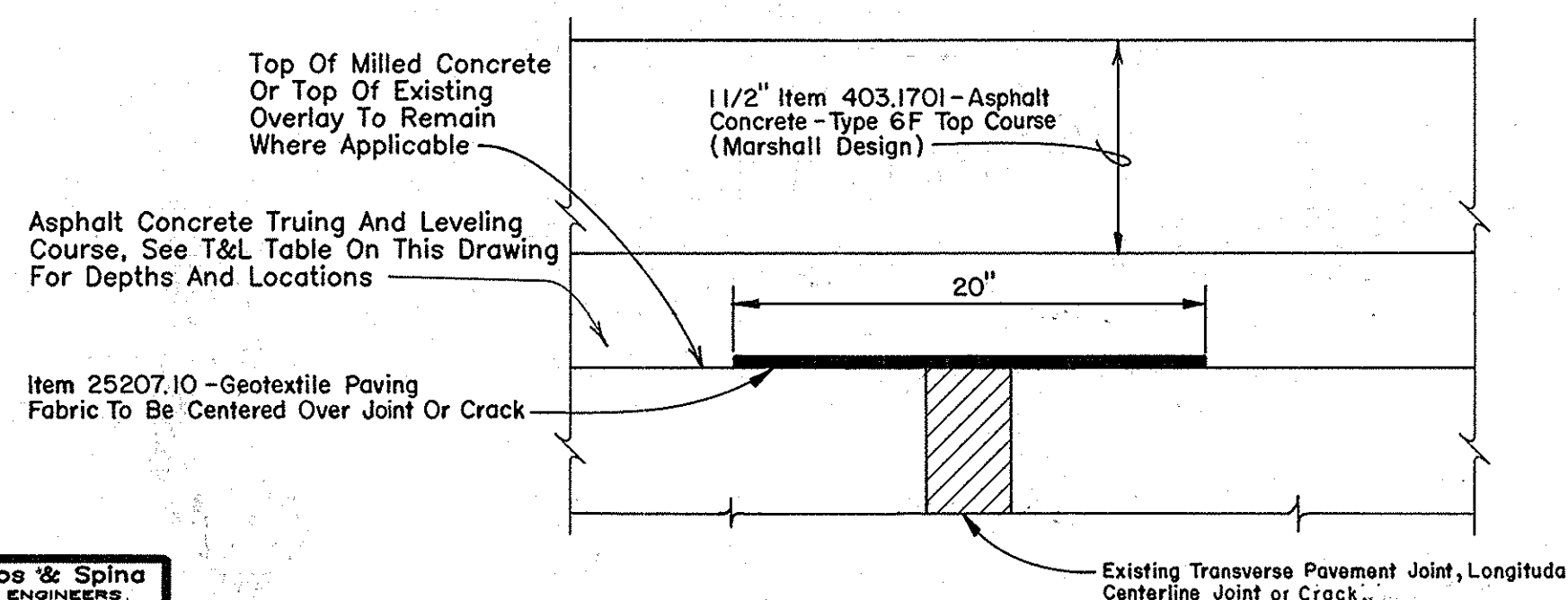


NOTE :

Price bid for Item 25633.10 shall include cost of asphalt concrete patching material.

JOINT AND CRACKED PAVEMENT REPAIR

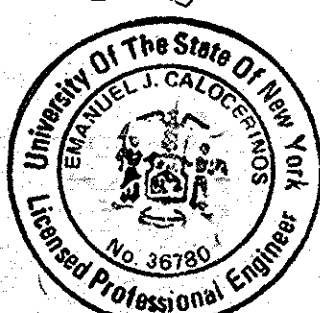
Not To Scale



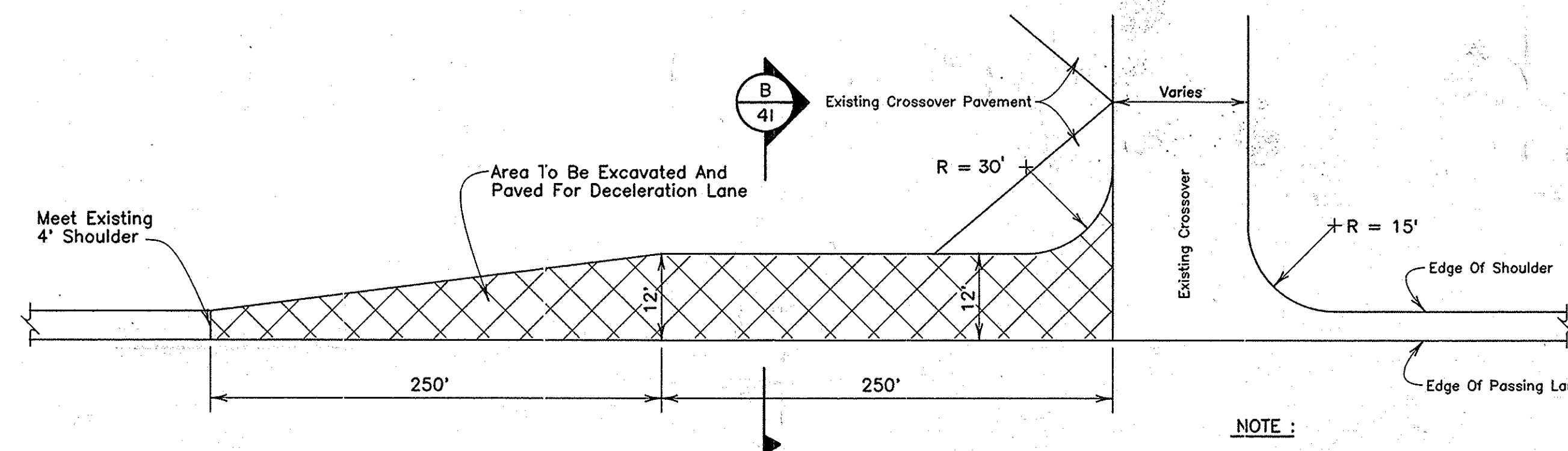
CRACK RETARDENT FABRIC INSTALLATION DETAIL

Not To Scale

Calocerinos & Spina
CONSULTING ENGINEERS
Liverpool, New York 13088



IN CHARGE OF: J. W. Franz Jr., P.E.
MADE BY: S. H. George, P.E.

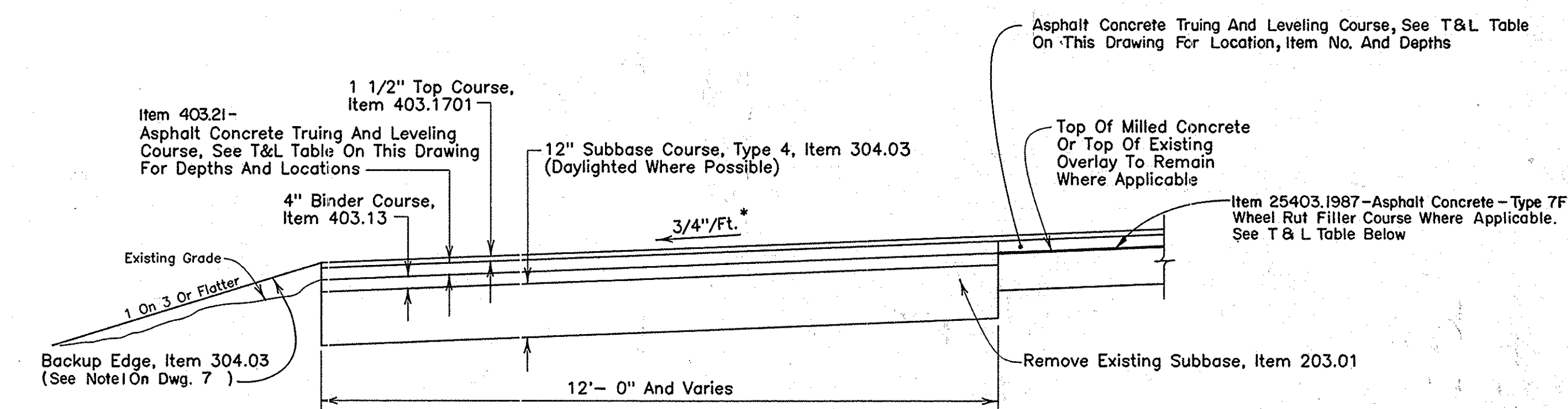


NOTE :

Refer to Drawing No. 9 for crossover to be overlaid details.

CROSSOVER DECELERATION LANE

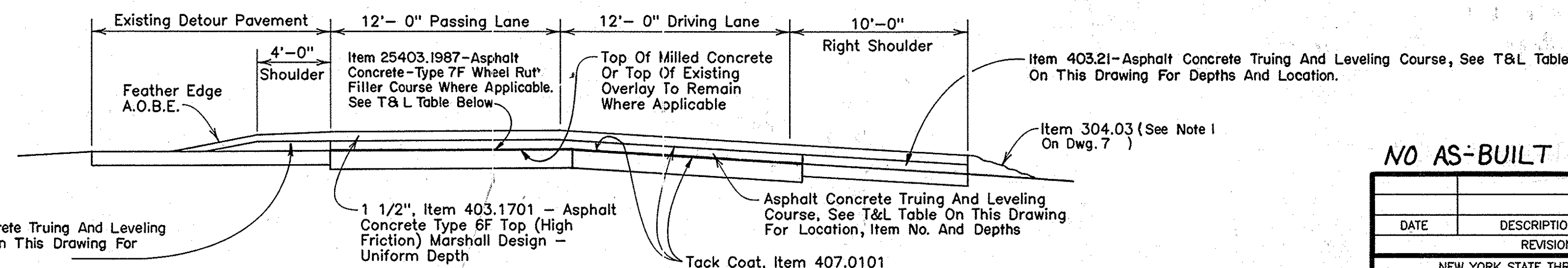
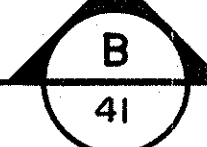
Not To Scale



* Slope may vary if deceleration lane is within a curve to be superelevated. See Drawing No. 10 for shoulder cross slope.

SECTION

Not To Scale



TYPICAL APPROACH SECTION FOR BRIDGES*

Not To Scale

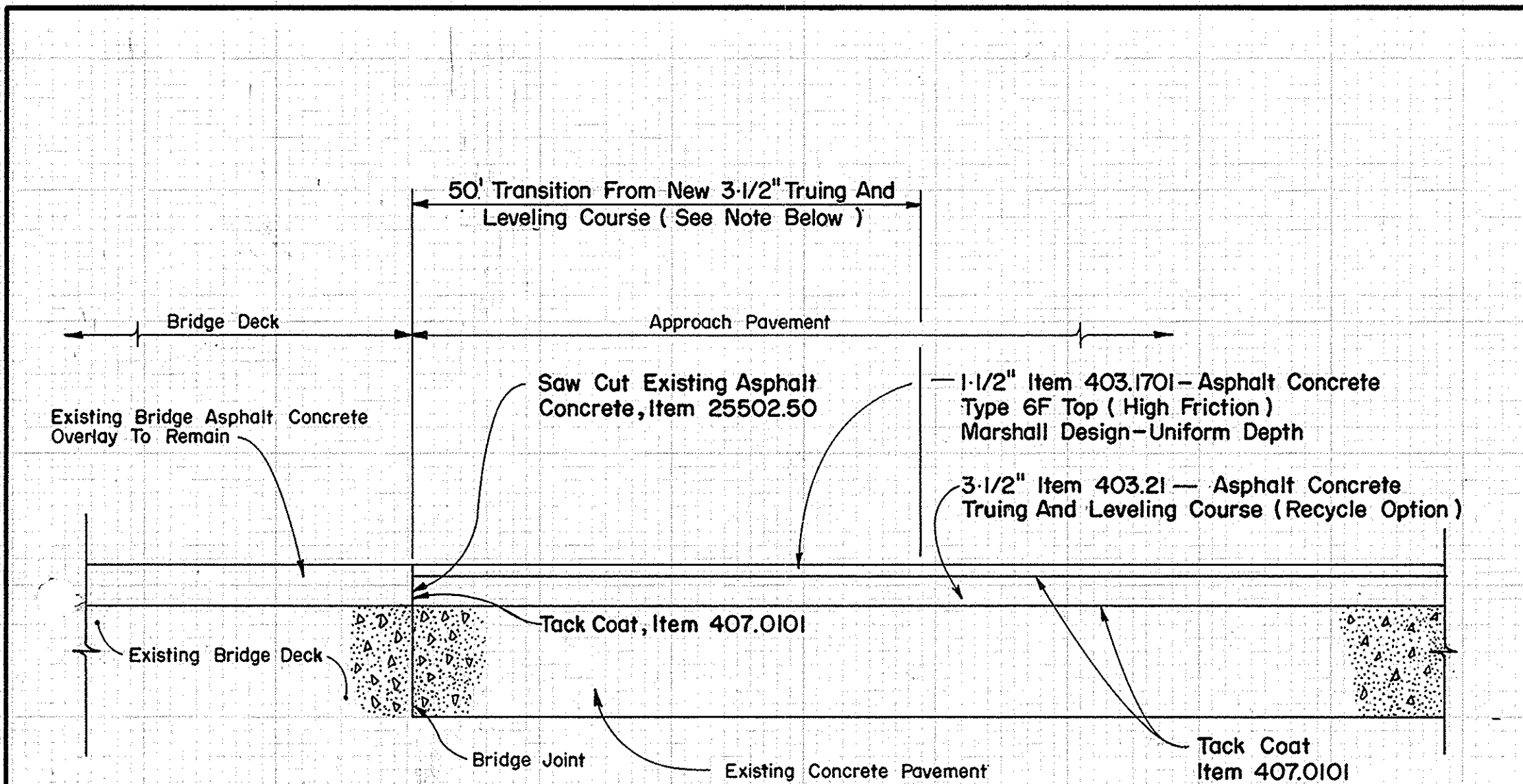
* = MAINLINE STRUCTURES

T & L TABLE		
LOCATION	ITEM NO.	NOMINAL DEPTH (IN.)
M.P. 268.0 TO M.P. 278.0	25403.1987	3/4"
M.P. 268.0 TO M.P. 278.0	403.21	1/2"
M.P. 278.0 TO M.P. 284.1	403.21	3 1/2"

NO AS-BUILT REVISIONS

DATE	DESCRIPTION	BY	SYB.
REVISIONS			
NEW YORK STATE THRUWAY AUTHORITY			
DEPARTMENT OF ENGINEERING AND MAINTENANCE			
200 SOUTHERN BLVD., ALBANY, NEW YORK 12209			
TITLE OF PROJECT:			
ROADWAY REHABILITATION			
LOCATION OF PROJECT:			
M.P. 267.0 ± — M.P. 285.2 ±			
TITLE OF DRAWING:			
MISCELLANEOUS PAVEMENT DETAILS			
		DRAWN BY:	T. H. Le
		CHECKED BY:	D. A. Pilawa
		DATE:	November 25, 1987
		DRAWING NO.:	41
TAS 88-5			

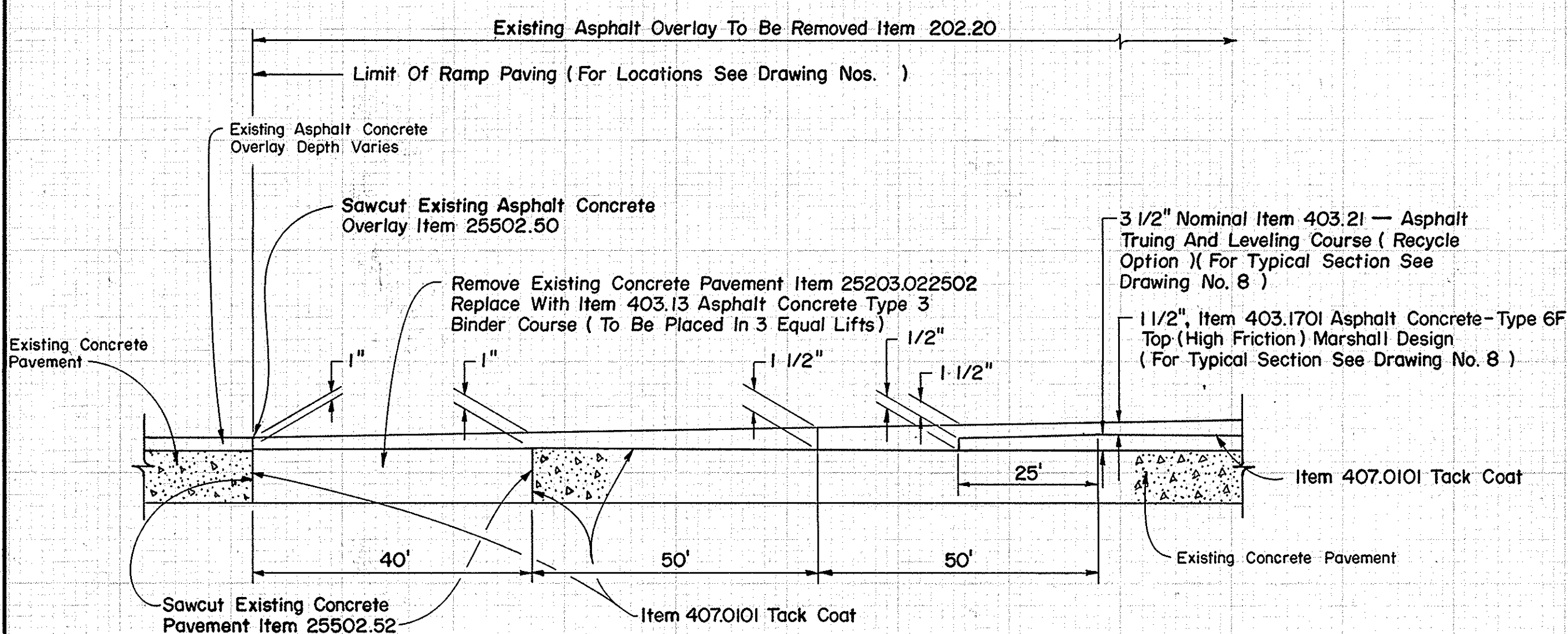
NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.



NOTE:
Depth Of Existing Asphalt Concrete Overlay Is Unknown. Contractor Is To Verify Depth During The Removal Of The Existing Overlay. Contractor Is To Transition Truing And Leveling Course From 3 1/2" Depth To Bridge Joint Allowing For 1 1/2" Thick Top Course At The Bridge Joint.

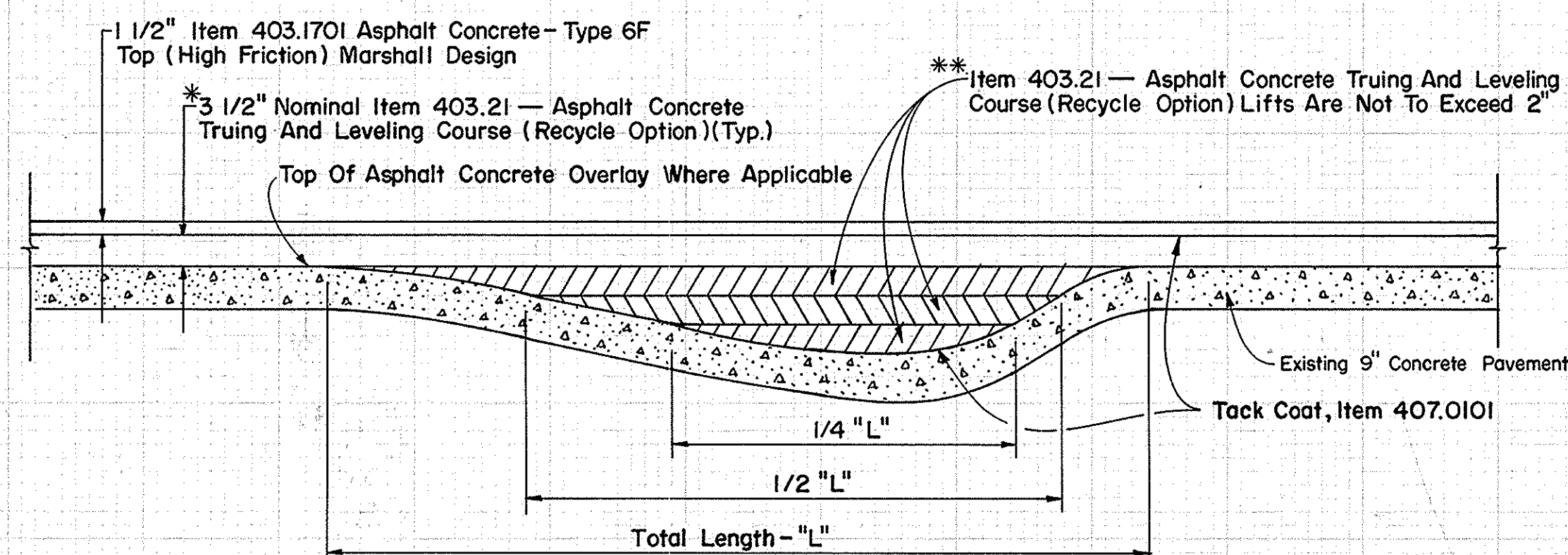
ASPHALT CONCRETE TRANSITION TO EXISTING BRIDGE DECK OVERLAY

(ELECTRONICS PARKWAY BRIDGE-M.P. 284.2 WESTBOUND ONLY)



RAMP PAVING TRANSITION DETAIL

(M.P. 278.0 TO M.P. 284.1 WESTBOUND ONLY)

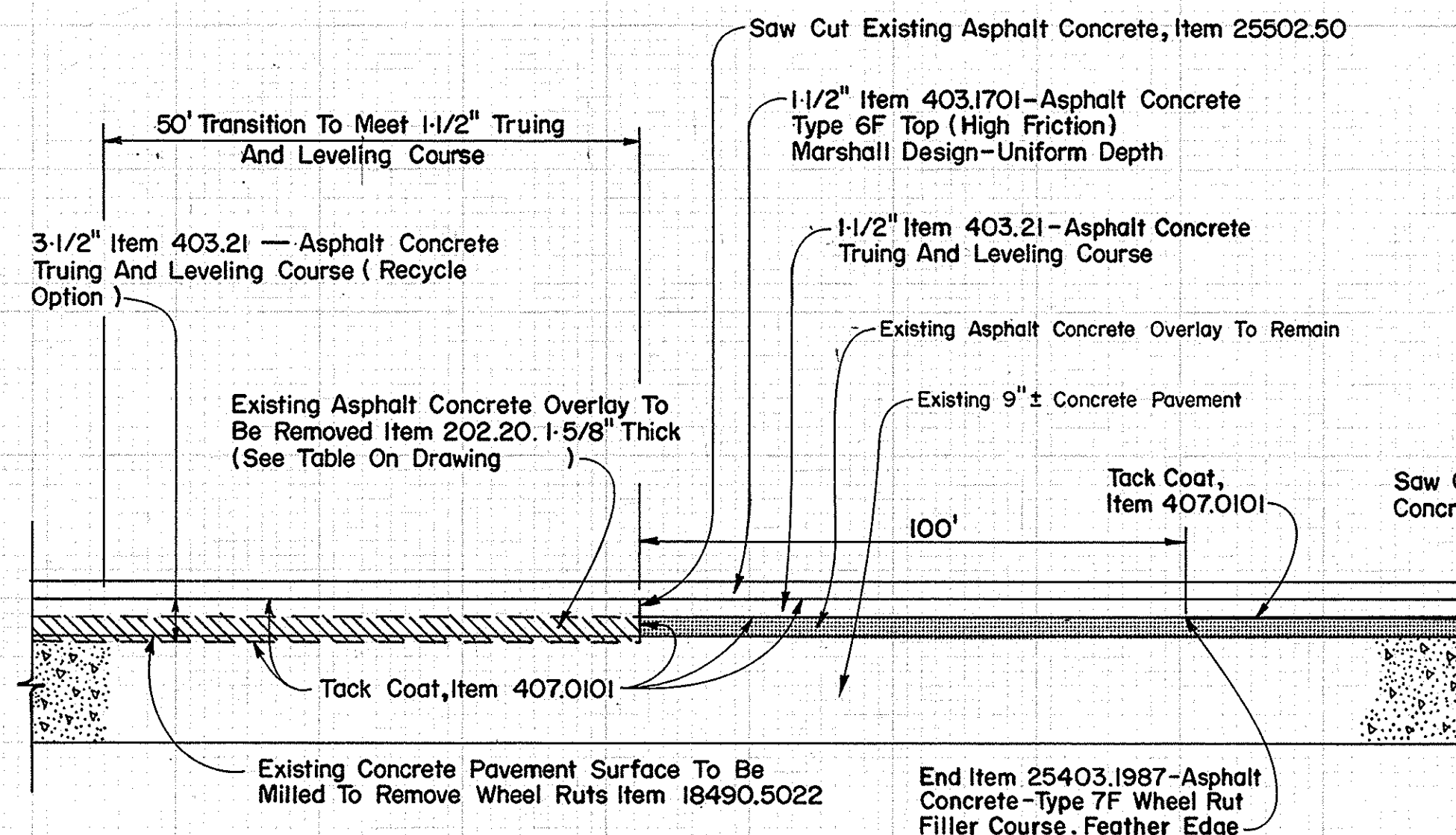


NOTE:
Locations Of Leveling Wedges Are To Be Determined By The Engineer In The Field.

LEVELING WEDGE

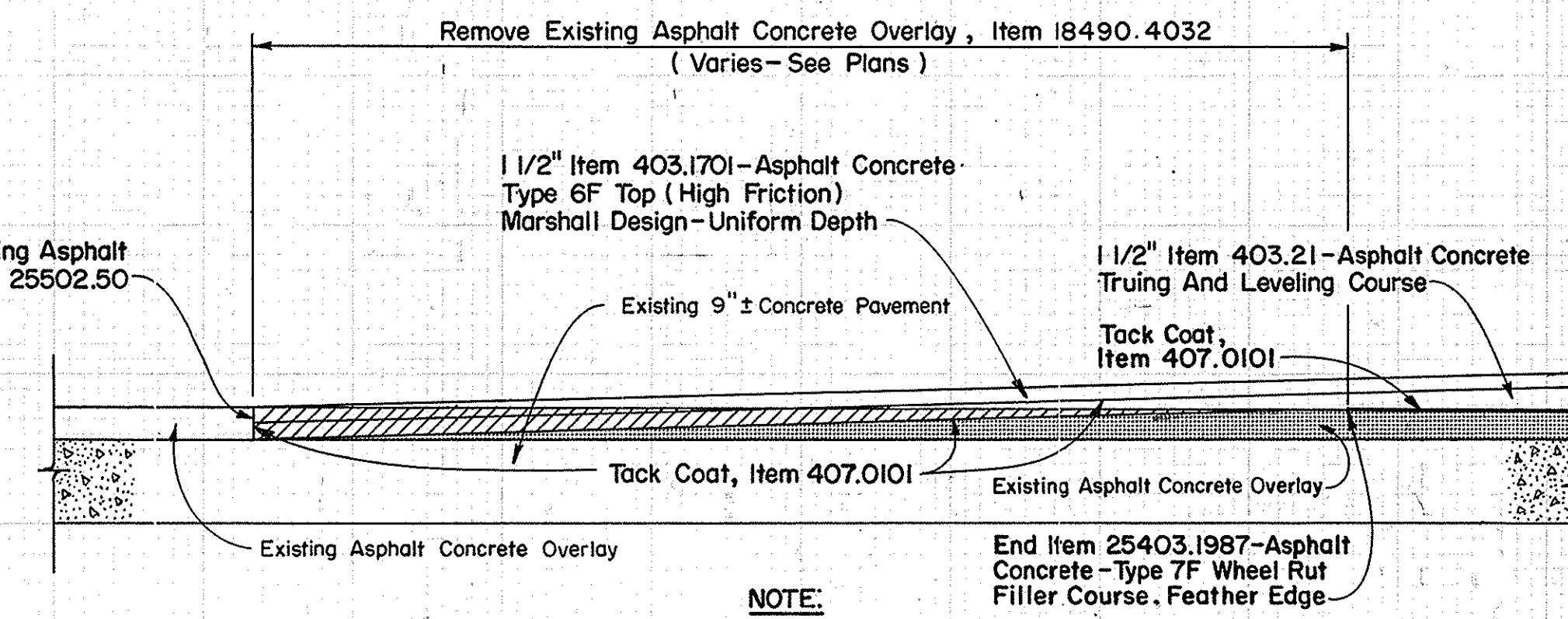
Not To Scale

*The Truing And Leveling Course Will Be Item 403.21 At 1 1/2" Deep Between M.P. 268.0 And M.P. 278.0 East And Westbound.
**Item 25403.1987 Is To Be Used Between M.P. 268.0 And M.P. 278.0 East And Westbound.



ASPHALT CONCRETE TRANSITION FROM NEW 3" OVERLAY TO NEW 5" OVERLAY

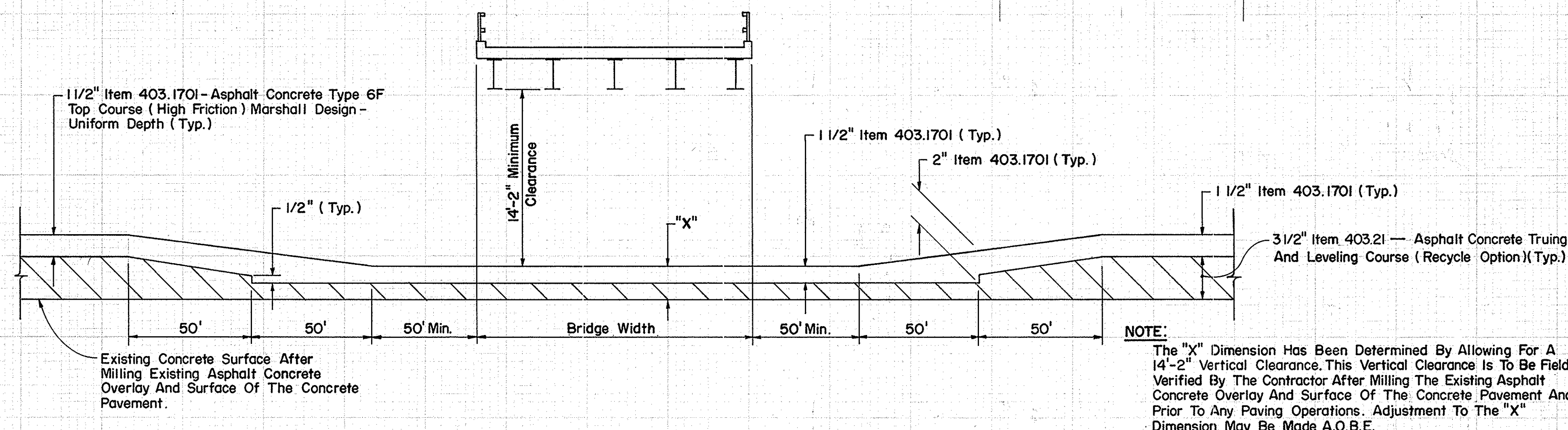
(M.P. 278.0 WESTBOUND ONLY)



NOTE:
Contractor Shall Pave Transition Areas With "Stringline" To Ensure Smooth Transition From Old To New Overlay. Engineer Shall Approve Layout Prior To Paving. Any Additional Costs To Be Included In Asphalt Concrete Items. No Separate Payment Will Be Made.

ASPHALT CONCRETE TRANSITION TO EXISTING OVERLAY

(M.P. 268.0 EASTBOUND)
(M.P. 268.0 WESTBOUND)
(M.P. 278.0 EASTBOUND ONLY)

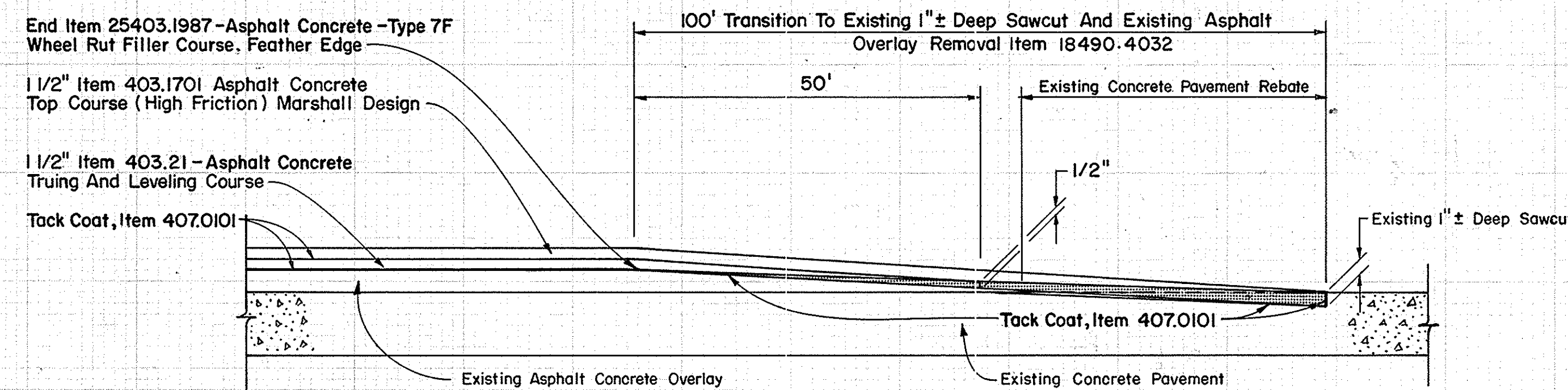


PAVING DETAILS AT OVERHEAD STRUCTURES FOR MINIMUM VERTICAL CLEARANCE

Not To Scale

LOCATION	"X"
M.P. 278.37 WESTBOUND	3 1/2"
M.P. 278.93 WESTBOUND	4"
M.P. 282.93 WESTBOUND	3"
M.P. 283.04 WESTBOUND	4 1/2"
M.P. 283.79 WESTBOUND	3"

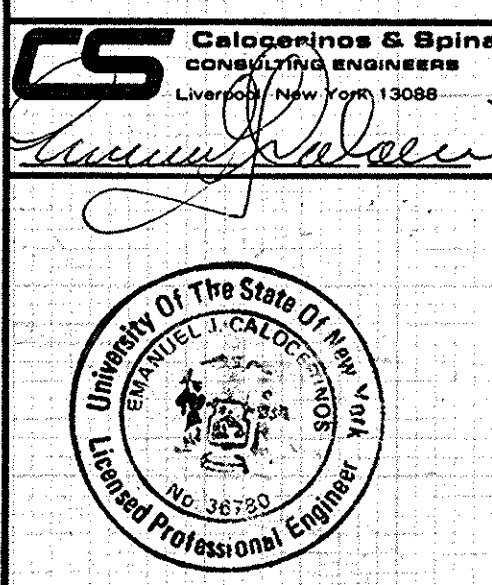
* Resulting Vertical Clearance Will Be Approx. 14'-2"



RAMP PAVING TRANSITION DETAIL

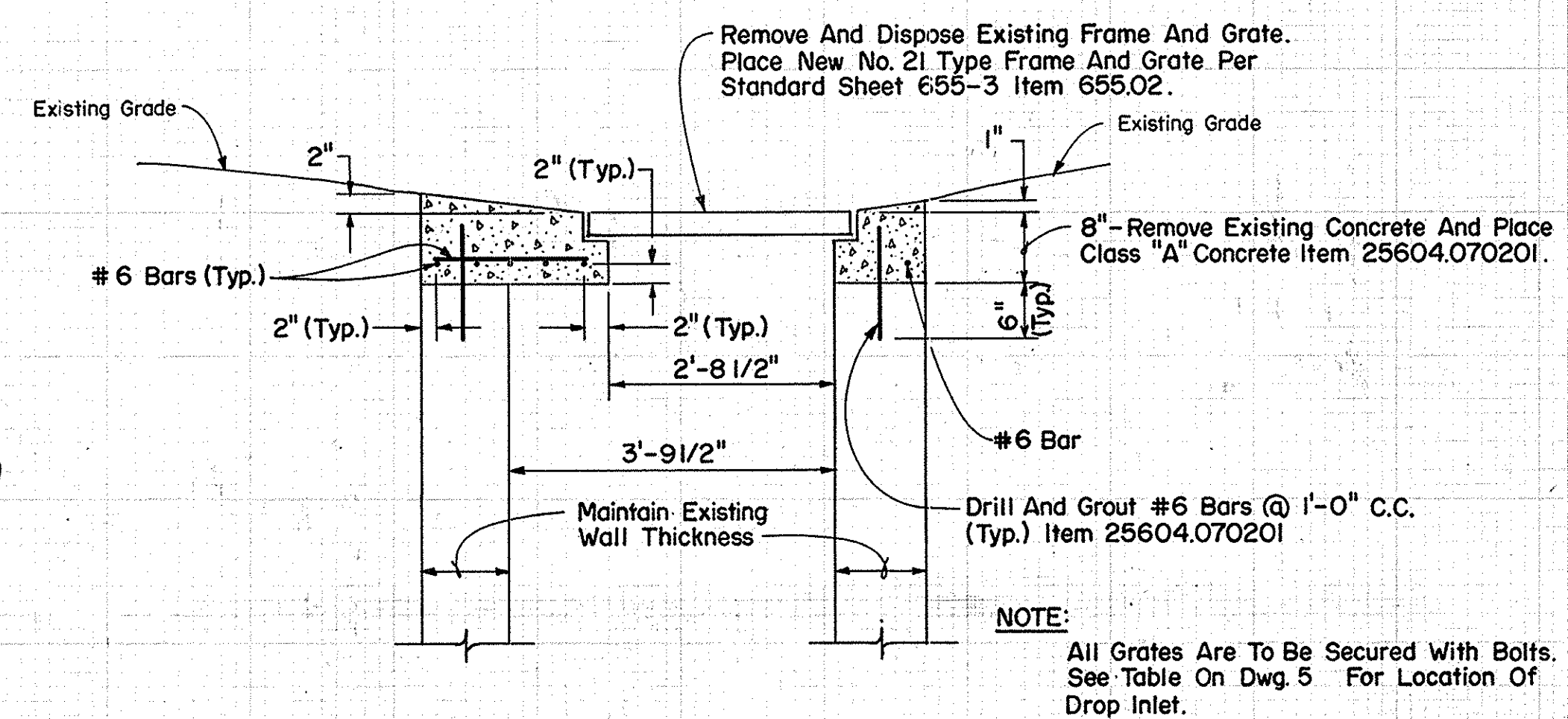
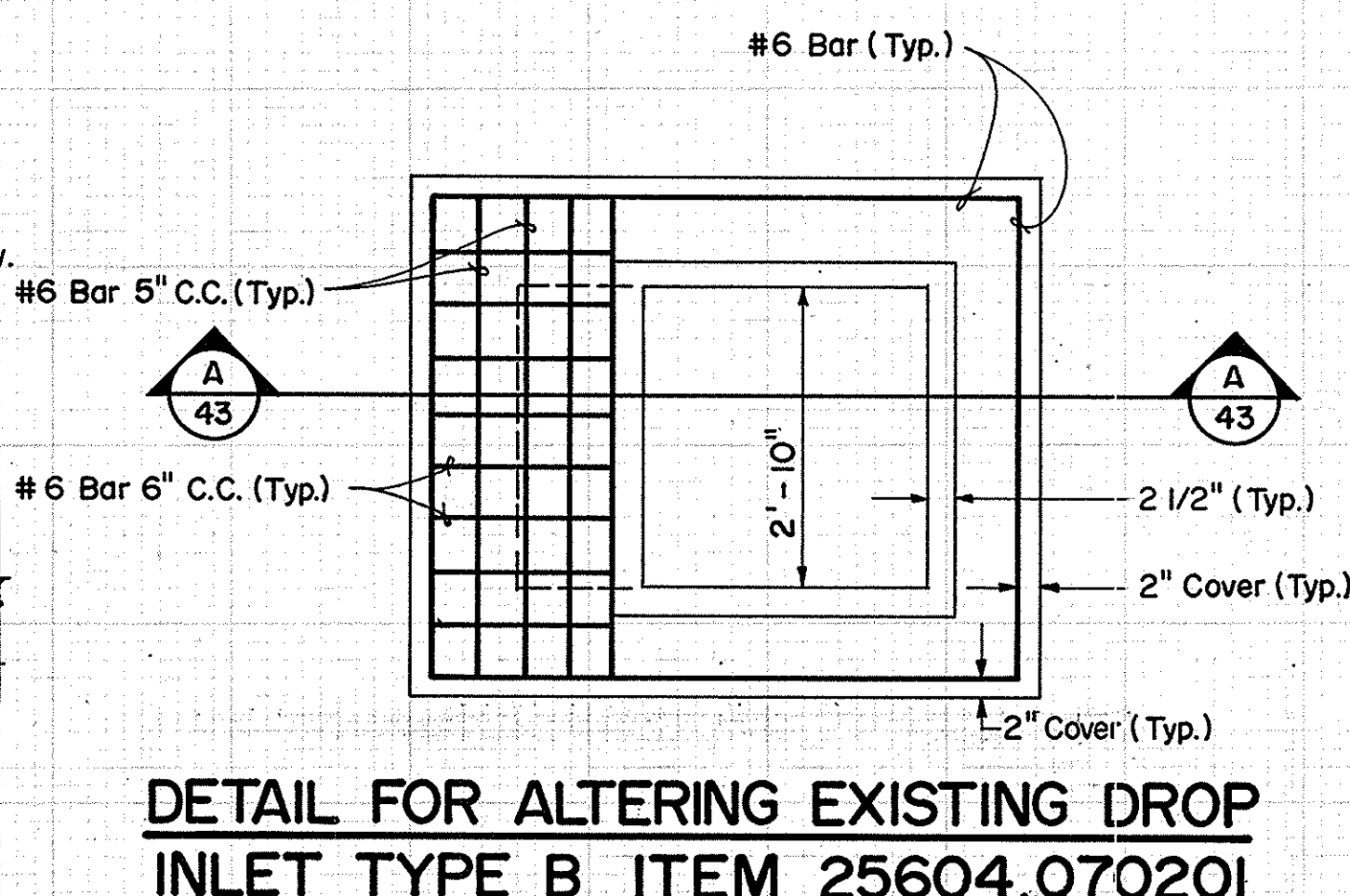
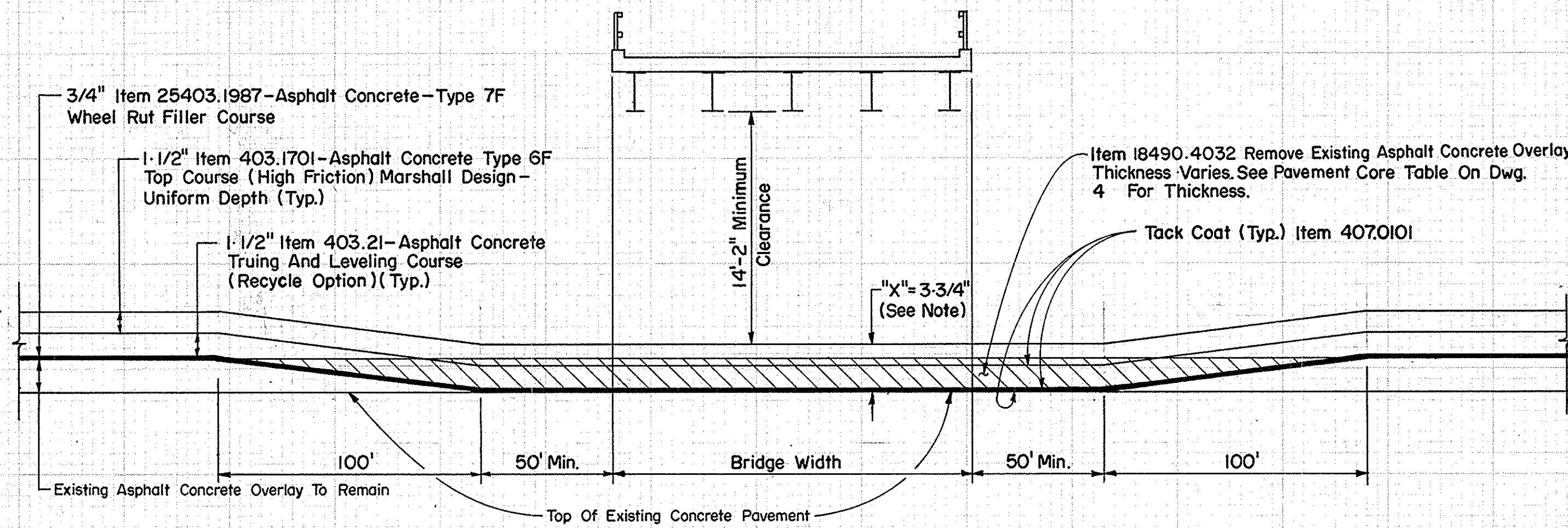
(EXIT AND ENTRANCE RAMP AT INTERCHANGE 34A ONLY)

NO AS-BUILT REVISIONS



IN CHARGE OF: J.W. Franz Jr., P.E.
MADE BY: S.H. George, P.E.

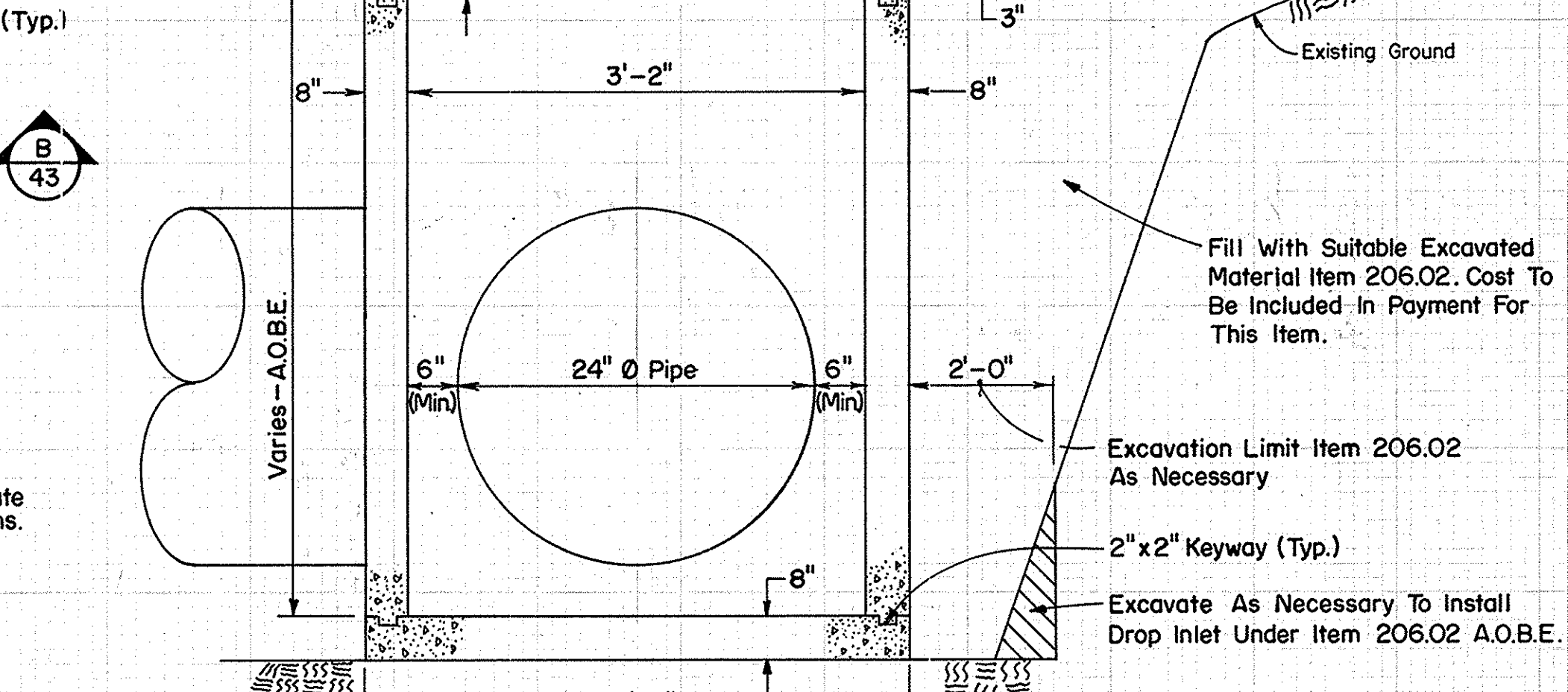
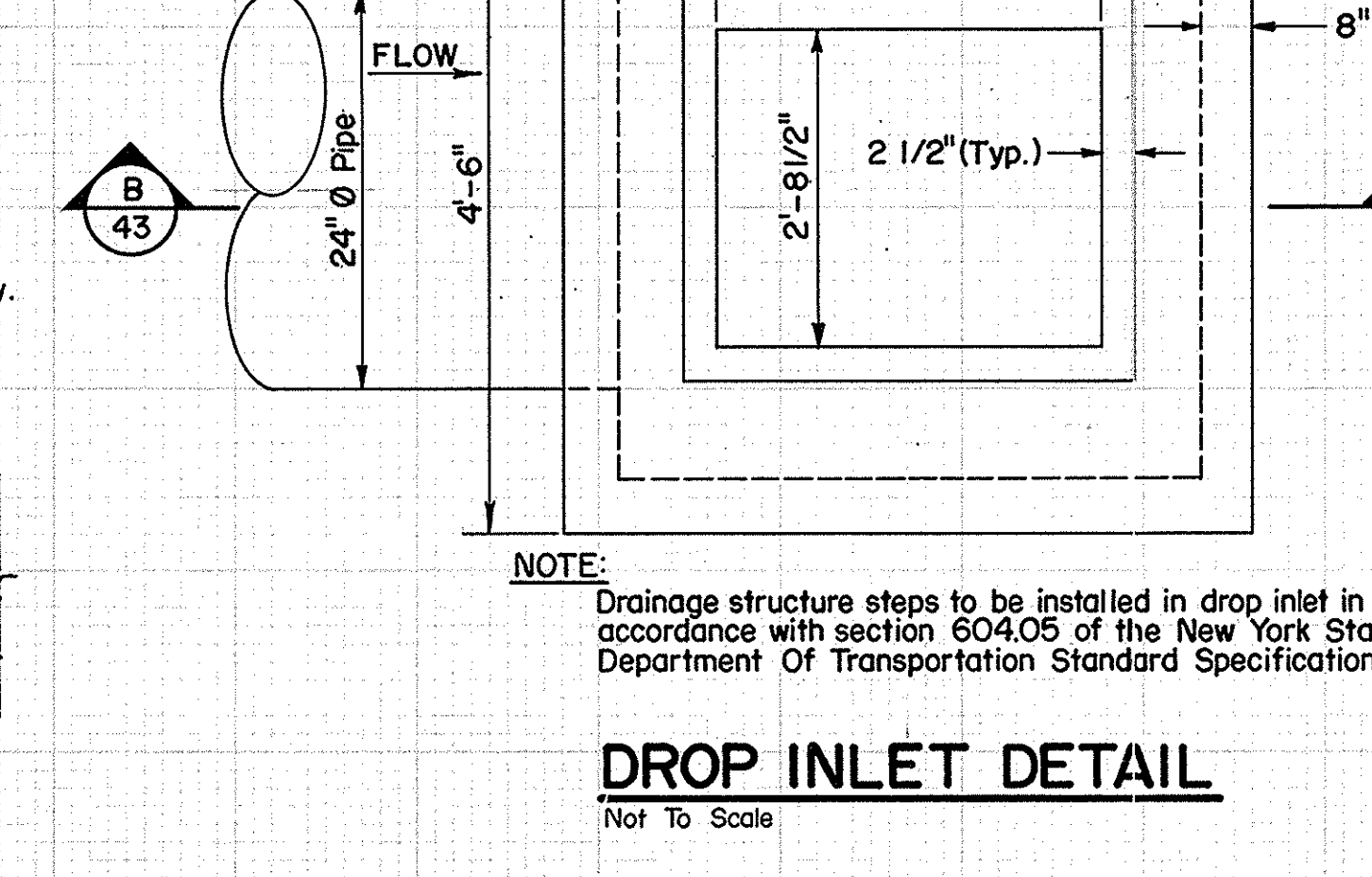
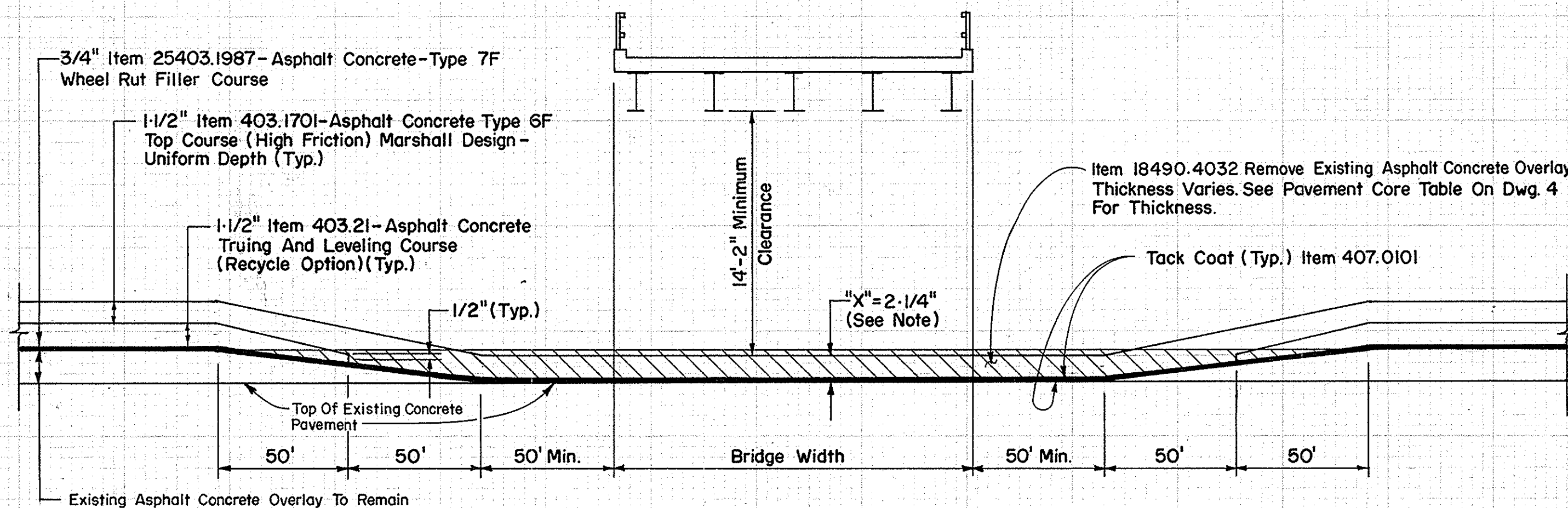
NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.



PAVING DETAIL AT OVERHEAD STRUCTURES FOR MINIMUM VERTICAL CLEARANCE WITH T & L COURSE

(M.P. 268.0 TO M.P. 278.0 ONLY)
 M.P. 271.84 EASTBOUND M.P. 269.37 WESTBOUND
 M.P. 273.29 EASTBOUND M.P. 271.84 WESTBOUND
 M.P. 276.01 EASTBOUND M.P. 276.01 WESTBOUND
 M.P. 277.39 EASTBOUND

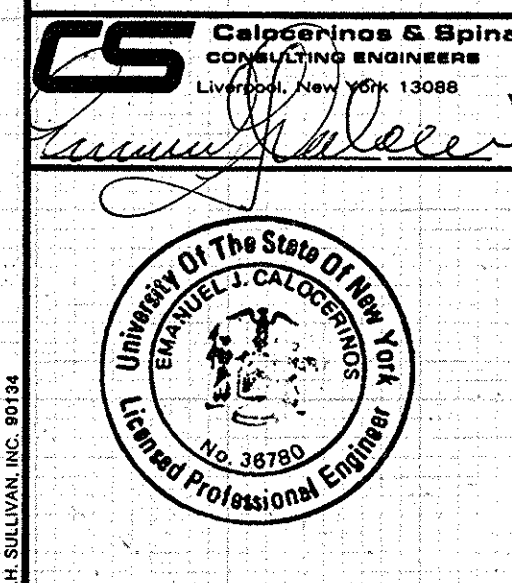
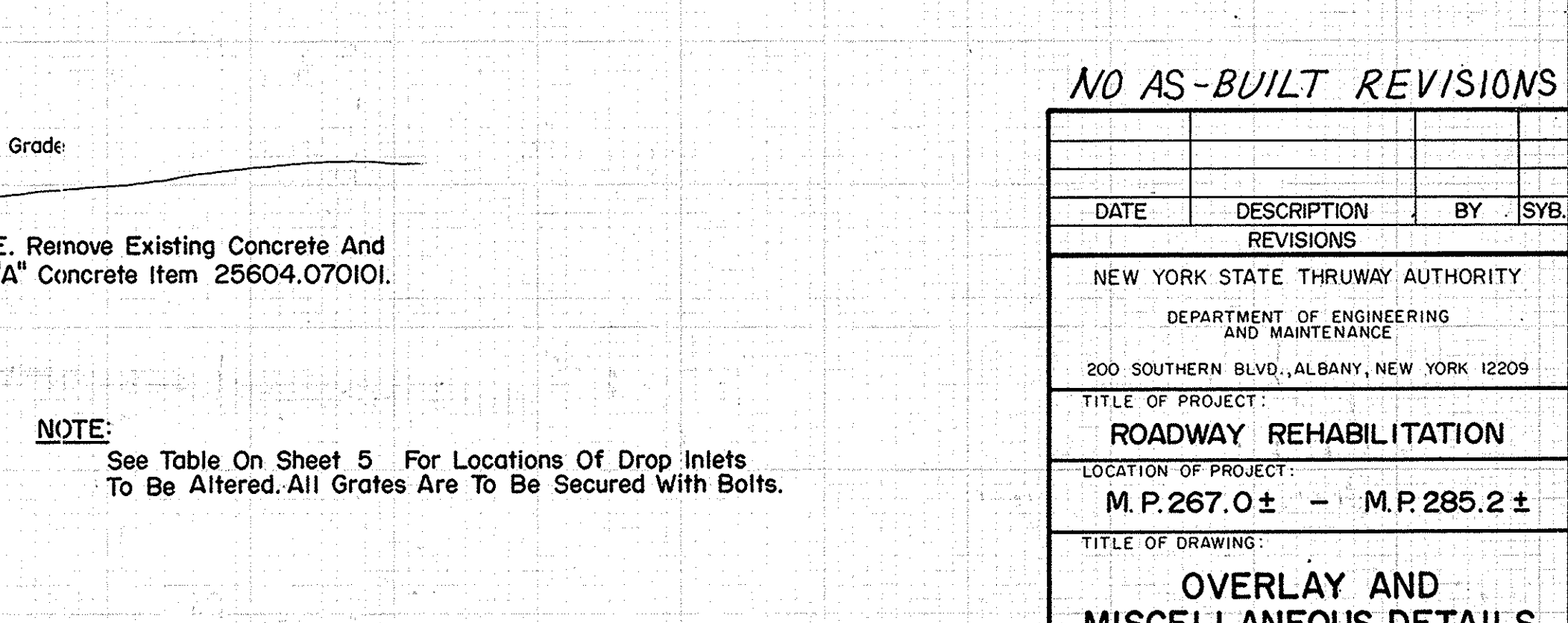
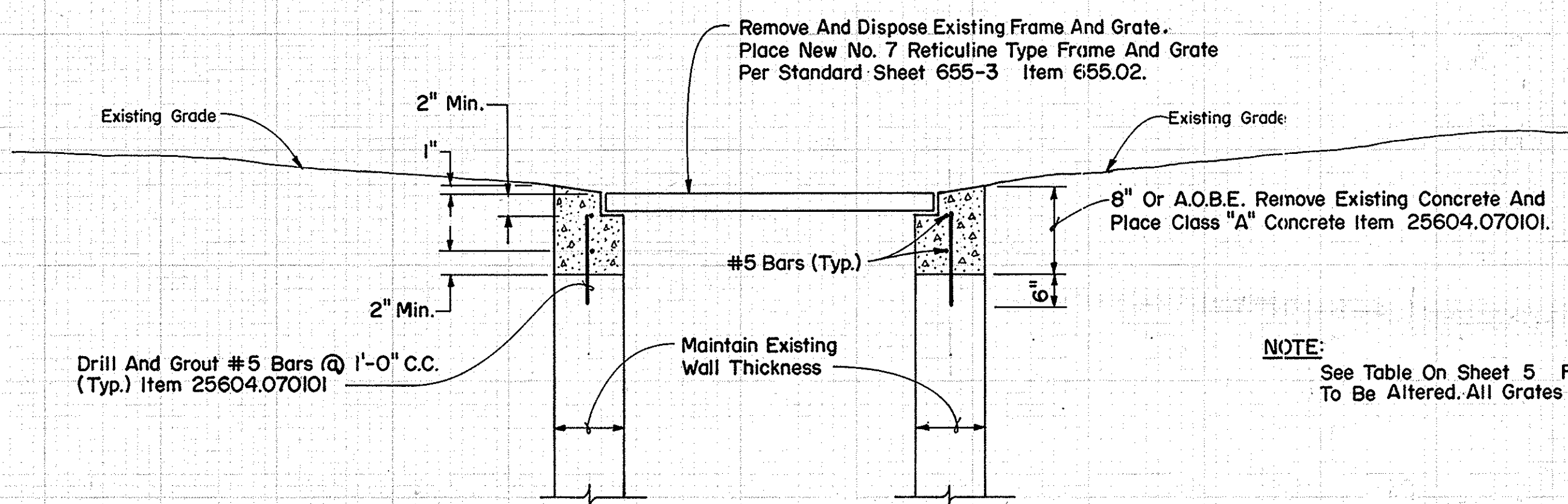
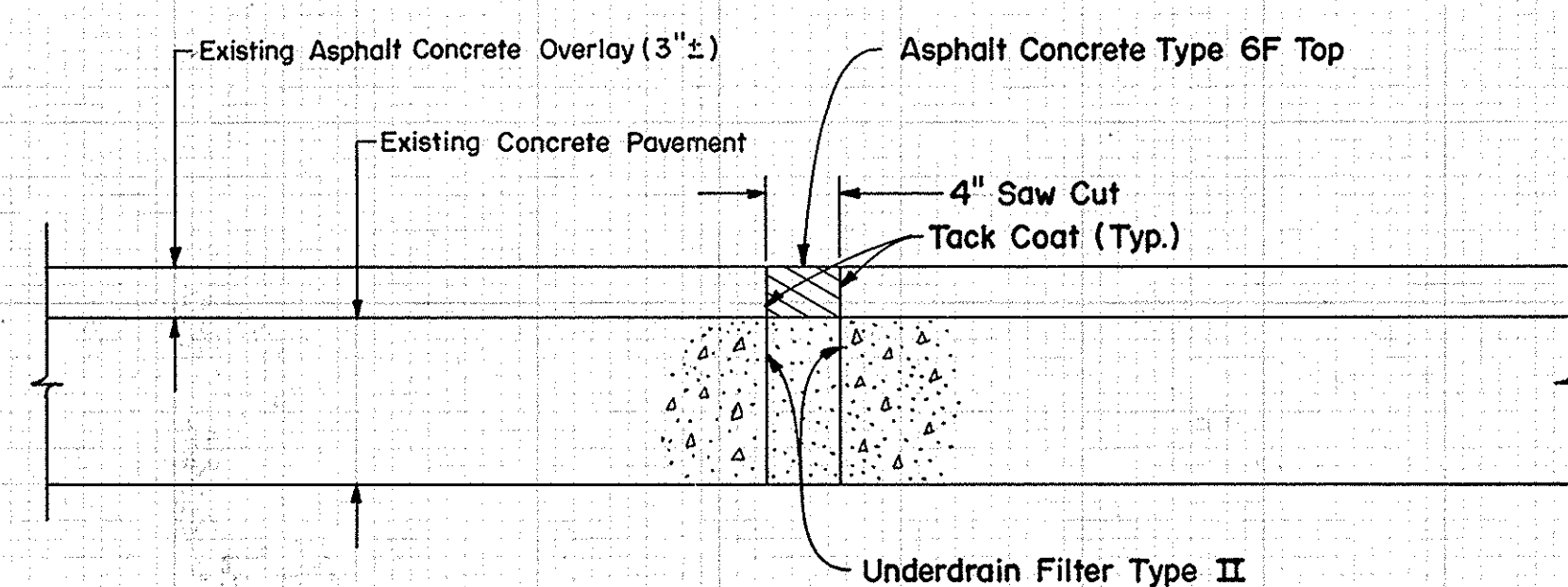
NOTE:
 The "X" Dimension Has Been Determined By Allowing For A 14'-2" Vertical Clearance. This Vertical Clearance Is To Be Field Verified By The Contractor After Milling The Existing Asphalt Concrete Overlay And Prior To Any Paving Operations. Adjustment To The "X" Dimension May Be Made A.O.B.E.



PAVING DETAIL AT OVERHEAD STRUCTURES FOR MINIMUM VERTICAL CLEARANCE WITH T & L COURSE TERMINATED

(M.P. 268.0 TO M.P. 278.0 ONLY)
 M.P. 274.48 EASTBOUND M.P. 274.48 WESTBOUND *
 M.P. 277.39 WESTBOUND

* Item 25403.1987 Wheel Rut Filler Course Is To Be Terminated Under The Structure. The Point Of Termination Will Be The Limits Of The Existing Asphalt Concrete Overlay Removal.




TRANSVERSE PRESSURE RELIEF JOINT DETAIL
 (ITEM 25502.45)
 Not To Scale
 (M.P. 268.0 TO M.P. 278.0 ONLY)

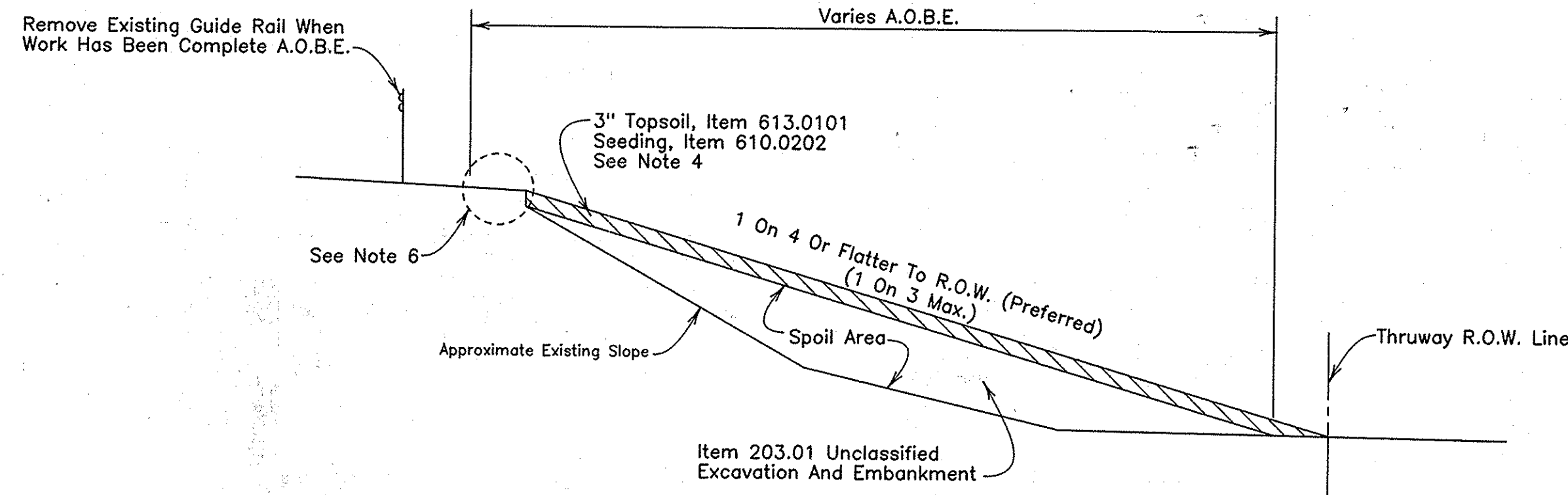
IN CHARGE OF: J.W. Franz Jr., P.E.
 MADE BY: S.H. George, P.E.

DETAIL FOR ALTERING EXISTING DROP INLETS TYPE A- ITEM 25604.070101
 Not To Scale

NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.

NO AS-BUILT REVISIONS

DATE	DESCRIPTION	BY	SYB
REVISIONS			
NEW YORK STATE THRUWAY AUTHORITY			
DEPARTMENT OF ENGINEERING AND MAINTENANCE			
200 SOUTHERN BLVD., ALBANY, NEW YORK 12209			
TITLE OF PROJECT:			
ROADWAY REHABILITATION			
LOCATION OF PROJECT:			
M. P. 267.0 ± - M.P. 285.2 ±			
TITLE OF DRAWING:			
OVERLAY AND MISCELLANEOUS DETAILS			
		DRAWN BY:	
		D. K. Mills	
		CHECKED BY:	
		D. A. Pilawa	
		DATE:	
		November 25, 1987	
		DRAWING NO.:	
		43	
TAS 88- 5			

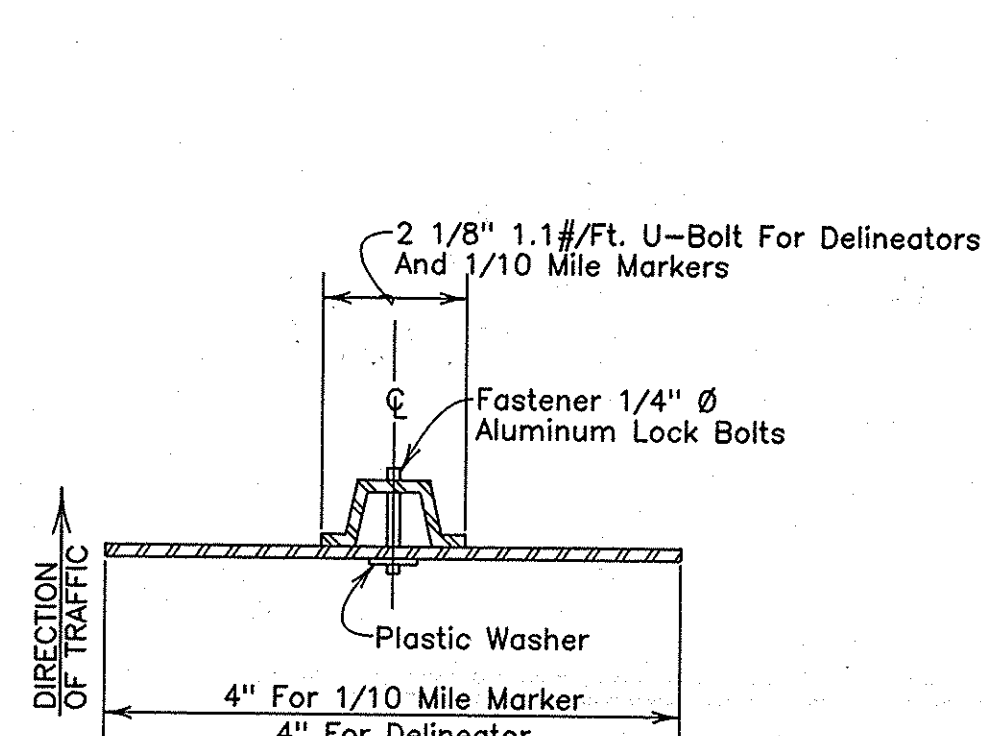


PROPOSED SPOIL AREA SECTION GUIDELINES

Not To Scale

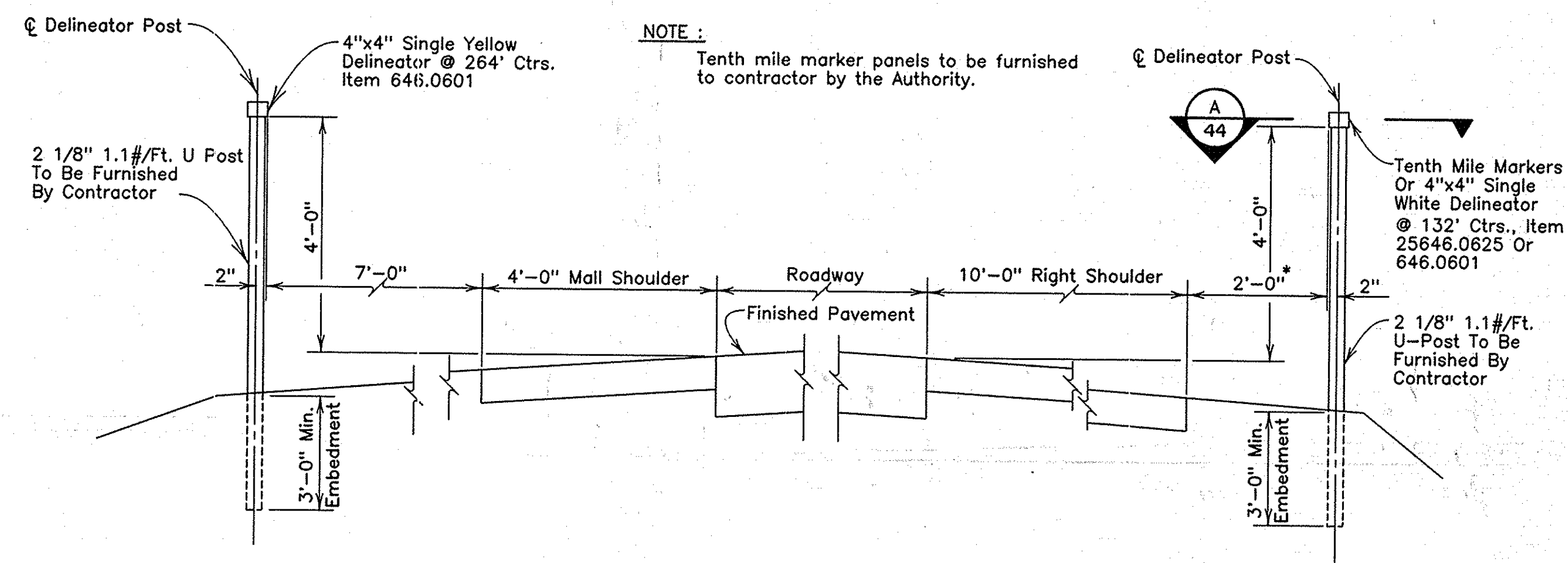
NOTES :

- Object of spoil area is to provide smoothest possible transition from right shoulder to R.O.W. line.
- Contractor to use single lane closure A.O.B.E. to establish area.
- Drainage is to be maintained along toe of slope, cut ditches A.O.B.E., Item 25203.51.
- Spoil is to be of suitable material for each particular area. All slabs are to be covered completely with suitable material, then 3" of topsoil shall be added and area seeded.
- Toe of fill slope should be placed as close as possible to R.O.W. line A.O.B.E.
- In areas where right shoulder has been reconstructed, spoil area shall be constructed so as not to block the "DAYLIGHTED" shoulder subbase material to ensure drainage.



SECTION A 44

Not To Scale

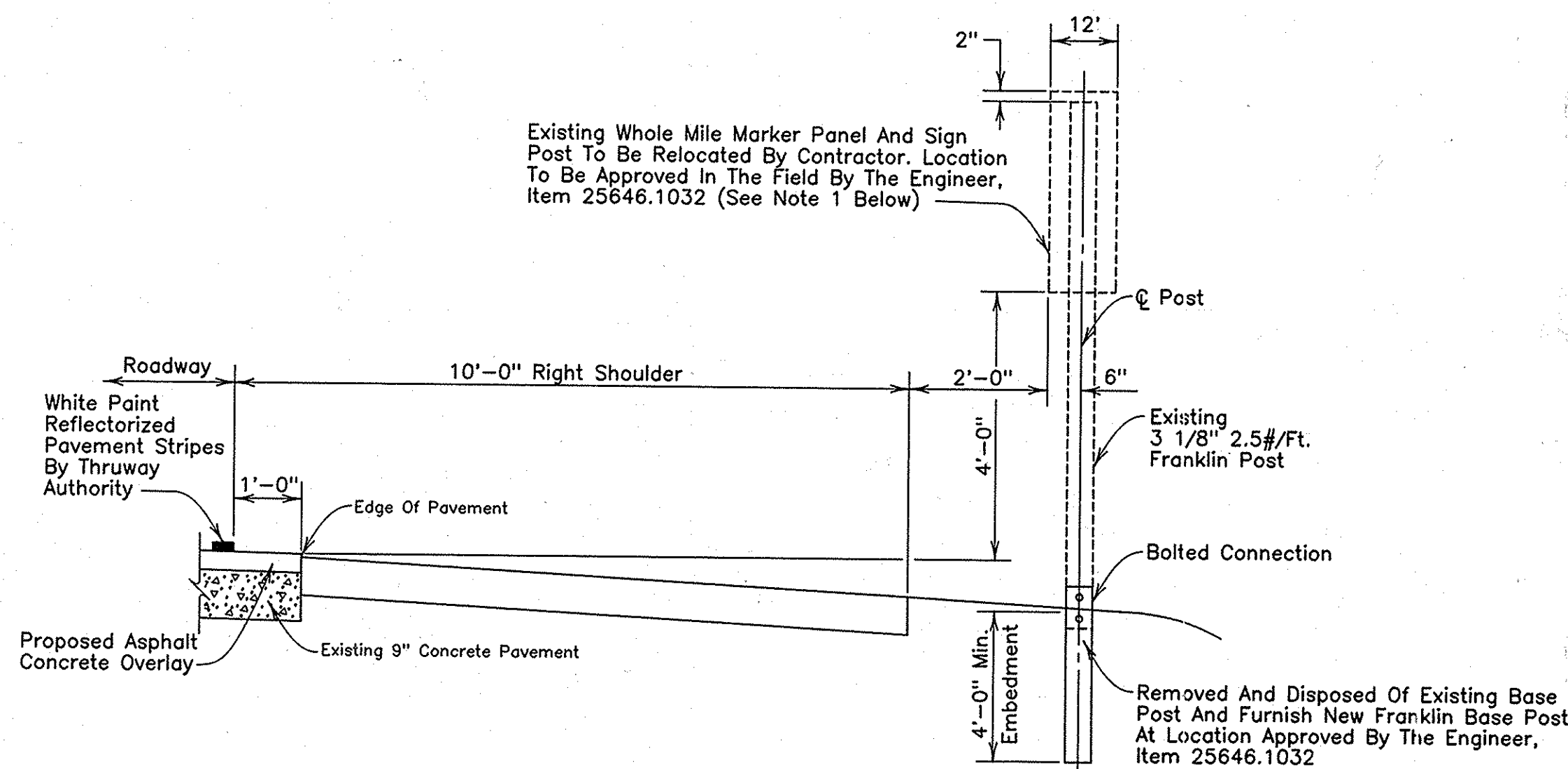


TENTH MILE AND DELINEATOR INSTALLATION DETAIL

Scale : 1/2"=1'-0"

NOTE :

In areas with guide rail place delineator post 1'-0" behind back face of railing.



MILE MARKER SIGN RELOCATION DETAIL

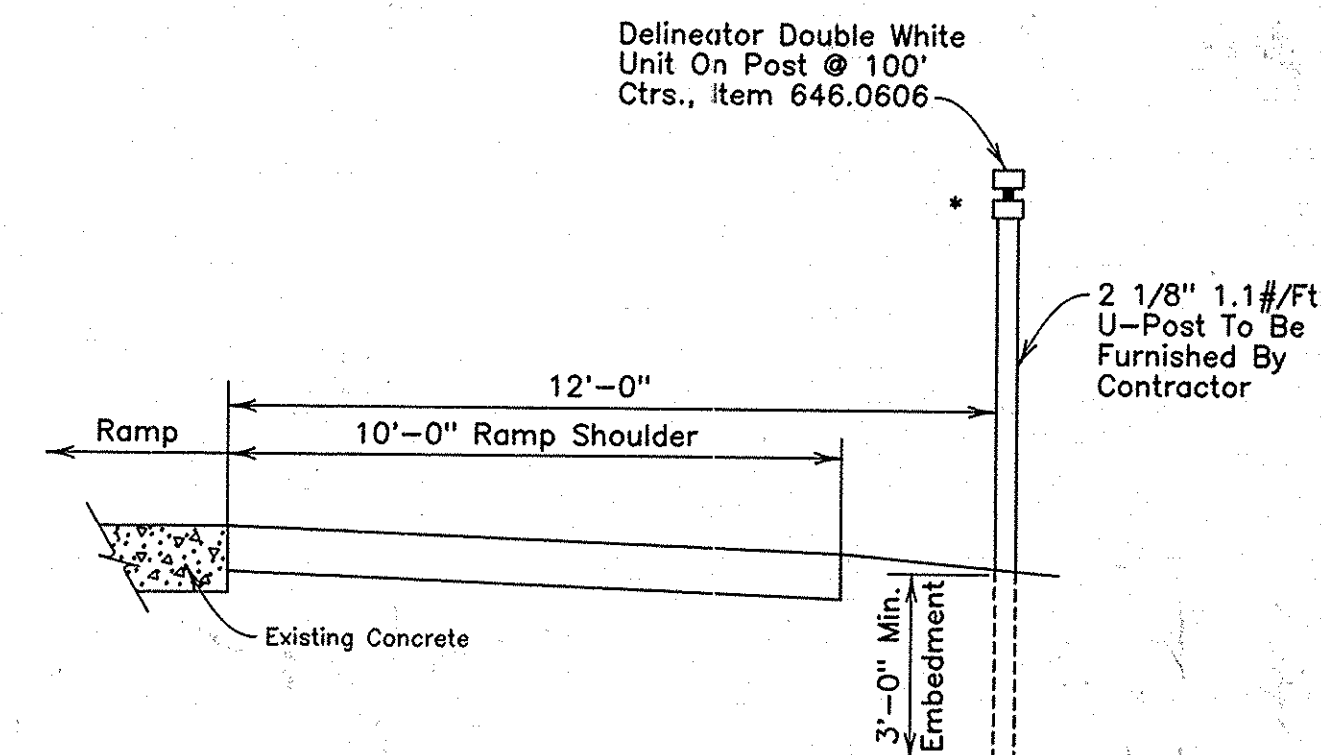
Scale : 1/2"=1'-0"

NOTES :

- Some of the existing mile markers, tenth mile markers and delineators between M.P. 268.0 and 284.2 are not in the correct location. Included in the price bid for each respective marker & delineator shall be the cost to accurately determine the exact location prior to installation. Overhead and mainline structures shall be used as fixed reference guides for the installation. The Engineer shall approve the exact locations prior to installations. Any cost for this layout work shall be included in the price bid for the markers or delineators.
- Reset existing mile marker panels and post, Item 25646.1032. Install new delineators as detailed above under Item 646.0601.
- Cost to pick up tenth mile marker panels from the Authority shall be included in price bid for Item 25646.0625.
- Any existing snow plow markers that are encountered during the installation of new guide rail or resetting existing guide rail, will be reset as per standard sheet 646-5 and paid for under Item 25646.1032.

RAMP DELINEATOR INSTALLATION DETAIL

Not To Scale

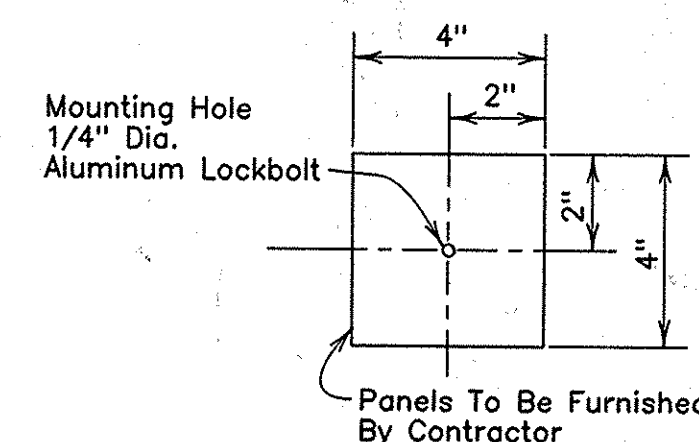


SEEDING - ITEM 610.0202

NAME	VARIETY	MIN. % GERM.	LBS. PURE LIVE SEED	FERTILIZER :
Tall Fescue (Festuca Arundinacea)	Kentucky 31	80	20	Fertilizer shall conform to Section 713.03, Type No. 2 of the Standard Specifications and shall be applied at the rate of 80 lbs. of each element per acre.
Red Fescue (Festuca Rubra)	Commercial	80	20	MULCH :
Kentucky Bluegrass (Poa Pratensis)	Commercial	80	10	Mulch shall conform to either Section 713-18 hay or 713-19 straw of the Standard Specifications and shall be applied at the rate of 3 tons per acre.
Perennial Ryegrass (Lolium Perenne)	Commercial	80	10	MULCH BINDER :
Fulfs Puccinellia Distans	Commercial	80	20	Mulch Binder shall conform to either Section 713-12 or 702-3201 of the Standard Specifications. Application rate shall be 350 gals. per acre if asphalt emulsion is used, maximum manufacturers rate if the chemical Mulch Binder is used.
TOTAL = 80 Lbs.				SEEDING DATES :
				Seeding will only be allowed from April 15 to June 15 and from August 15 to October 1.

NOTES :

- Item 610.0202 to include cost of seed, fertilizer, mulch and mulch binder.
- Apply Seed at a rate of 80 lbs. per acre.
- Contractor shall use care when applying seeding components to avoid "OVERSPRAY" of materials. Any overspray on any component, including guide railing shall be removed immediately.



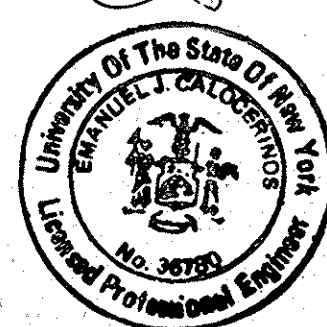
DELINEATOR DETAIL

Scale : 3"=1'-0"

NO AS-BUILT REVISIONS

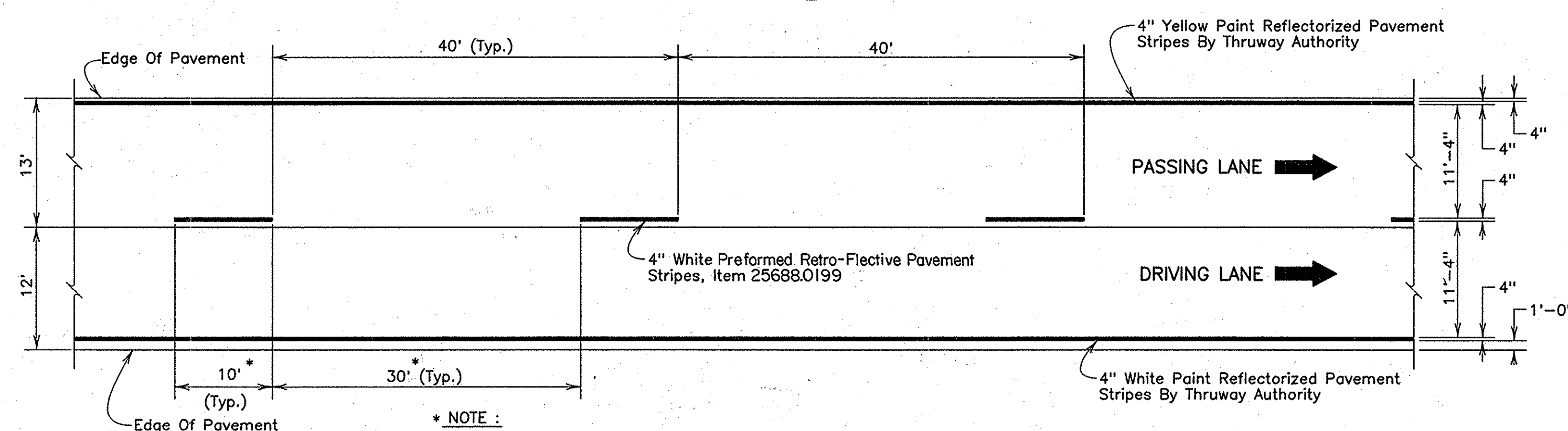
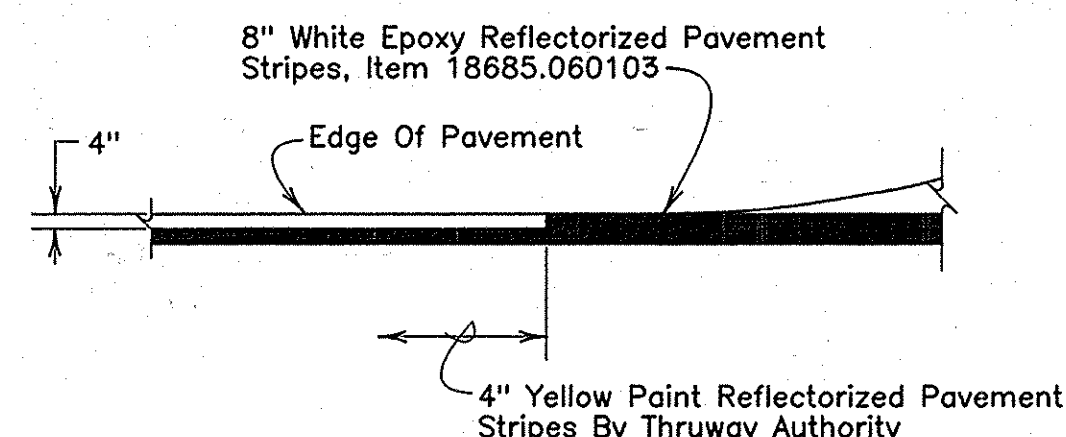
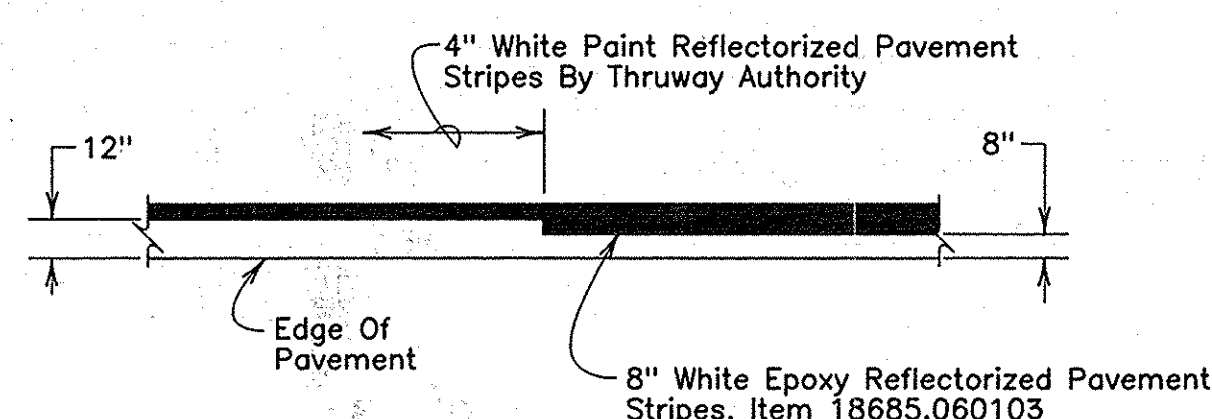
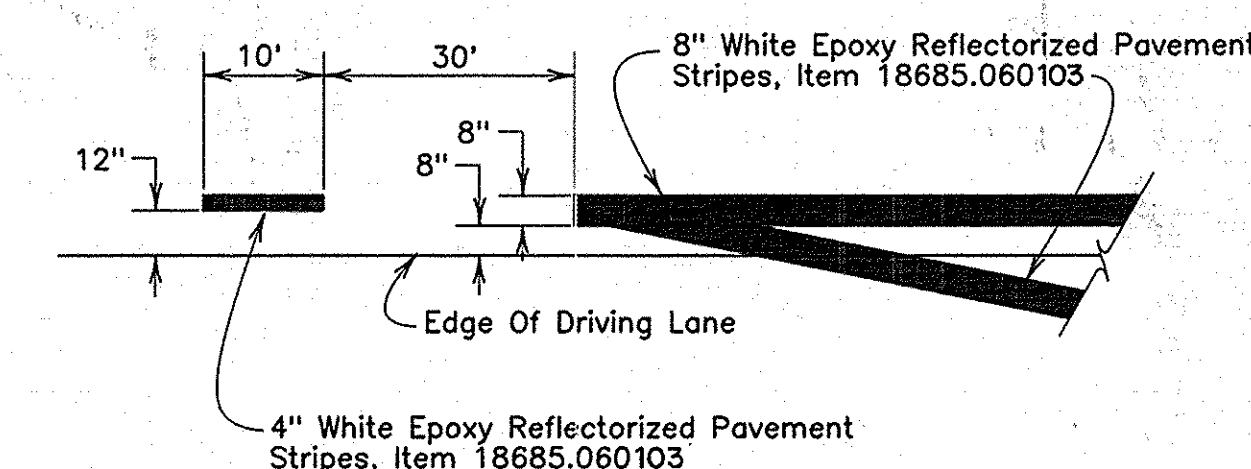
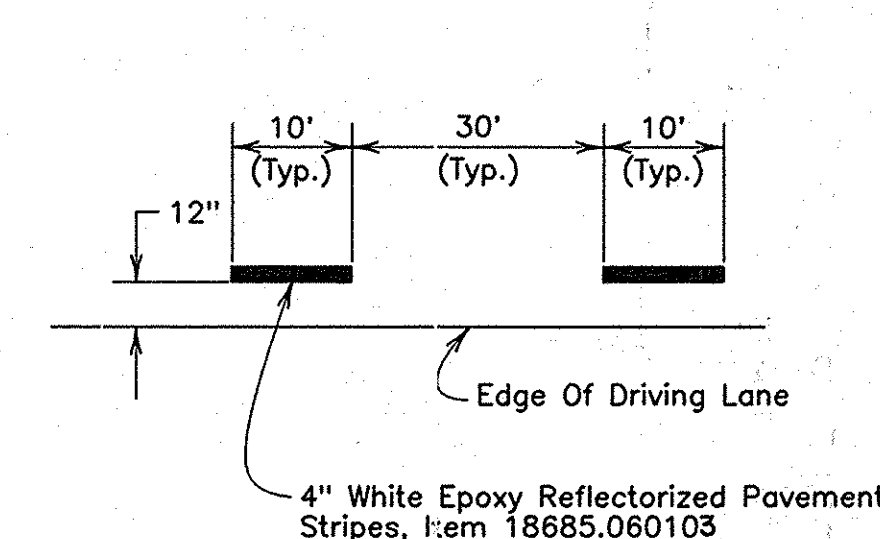
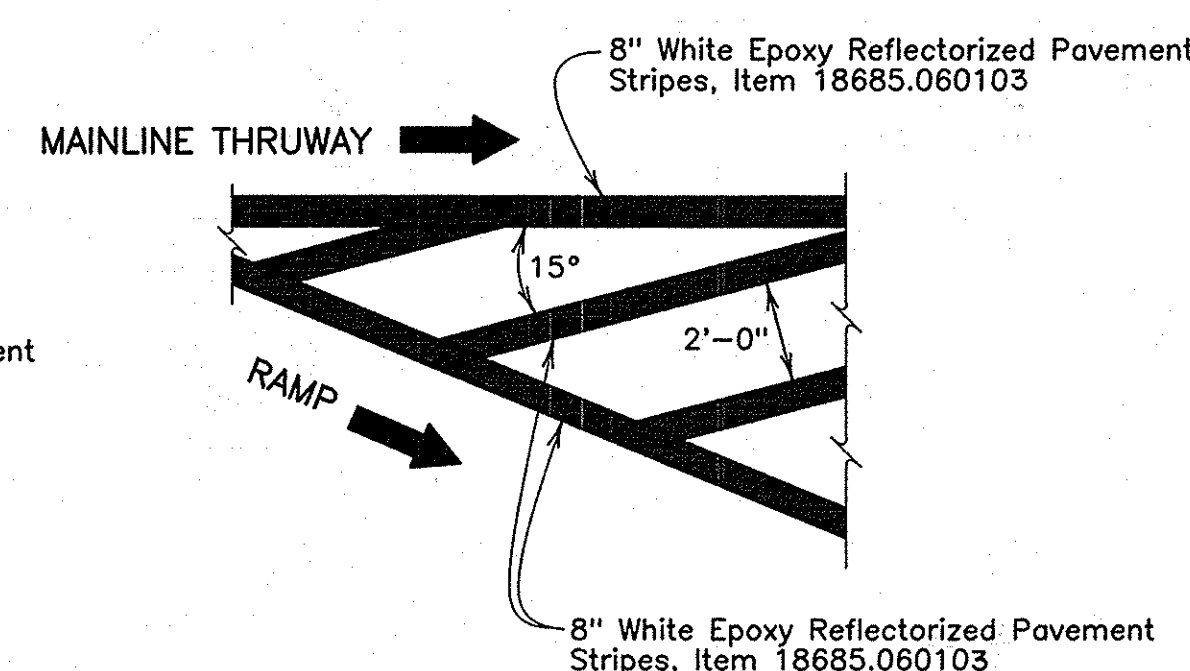
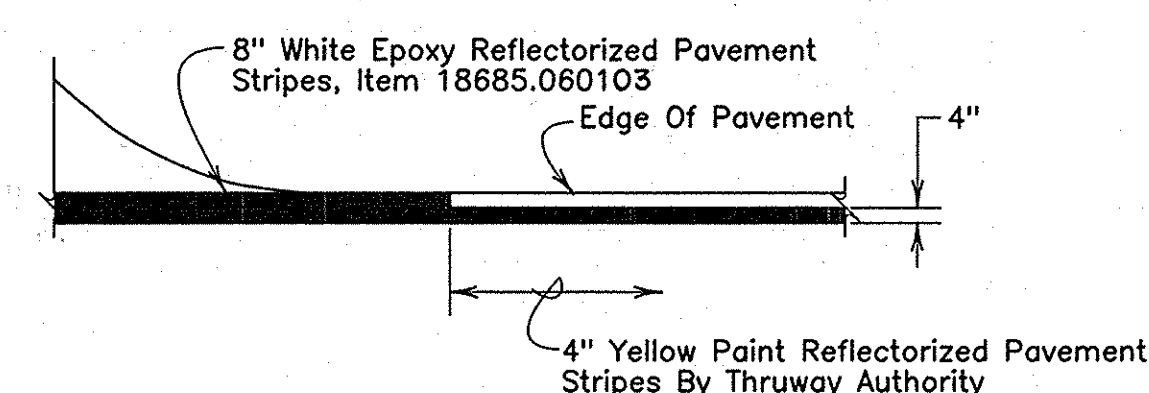
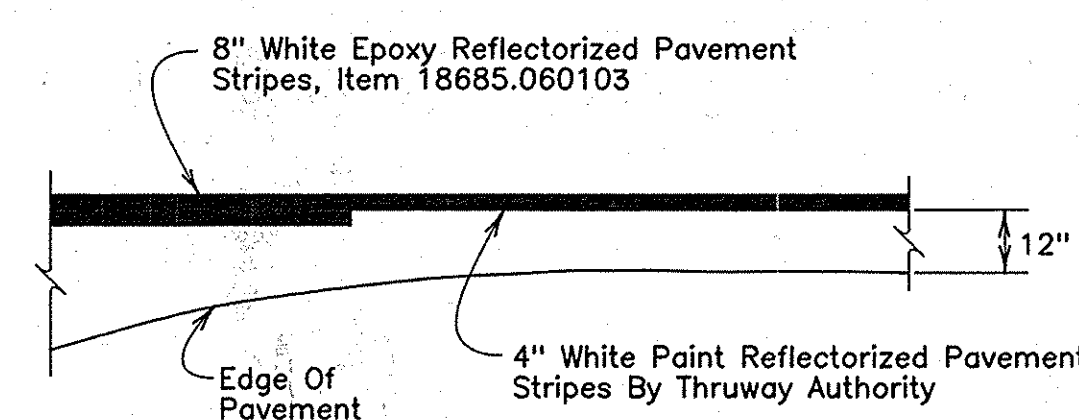
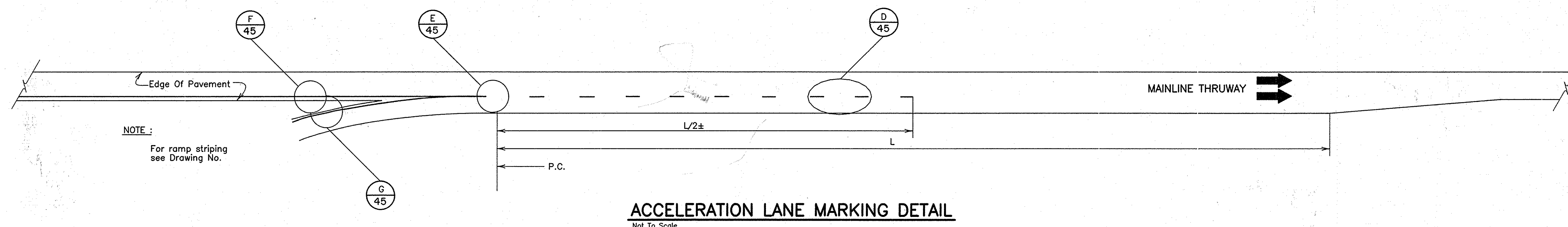
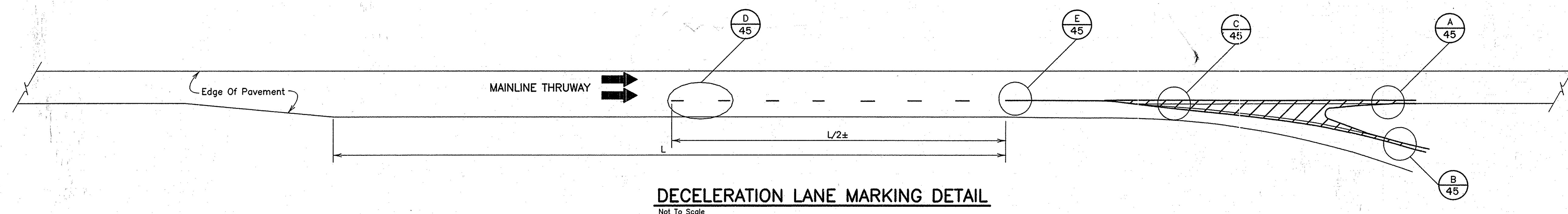
DATE	DESCRIPTION	BY	SYB.
REVISIONS			
NEW YORK STATE THRUWAY AUTHORITY			
DEPARTMENT OF ENGINEERING AND MAINTENANCE			
200 SOUTHERN BLVD., ALBANY, NEW YORK 12209			
TITLE OF PROJECT: ROADWAY REHABILITATION			
LOCATION OF PROJECT: M.P. 267.0 ± — M.P. 285.2 ±			
TITLE OF DRAWING: MARKER AND SPOIL DETAILS			
DRAWN BY: T. H. Le			
CHECKED BY: D. A. Pilawa			
DATE: November 25, 1987			
DRAWING NO.: 44			
TAS 88-5			

Calocerjias & Spina
CONSULTING ENGINEERS
Liverpool, New York 13088



IN CHARGE OF: J. W. Franz Jr., P.E.
MADE BY: S. H. George, P.E.

NO ALTERATION PERMITTED HEREIN EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.



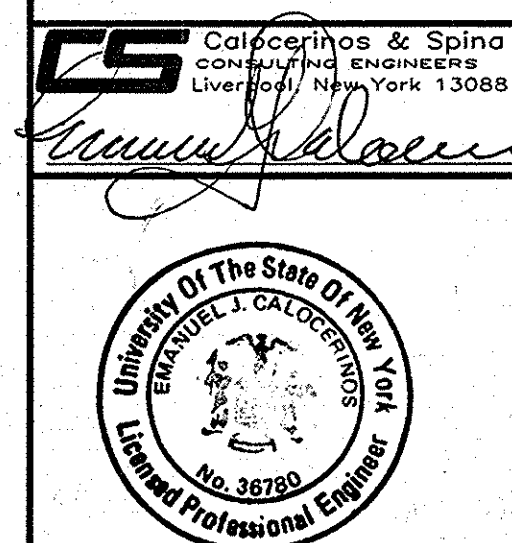
* NOTE :
For temporary centerline delineation (Item 619.15)
the 10' & 30' spacing shall be 2' & 38' respectively.

NOTES :

1. All markings shown on this drawing are for pavement installation on finished pavement.
2. Temporary delineation shall be applied under Item 619.15 in accordance with the N.Y.S. Manual of Uniform Traffic Control Devices (current edition).
3. Contractor shall contact the division Traffic Supervisor For layout of all markings prior to installation.
4. The Authority will apply the painted pavement stripes after the epoxy pavement stripes have been placed by the contractor.



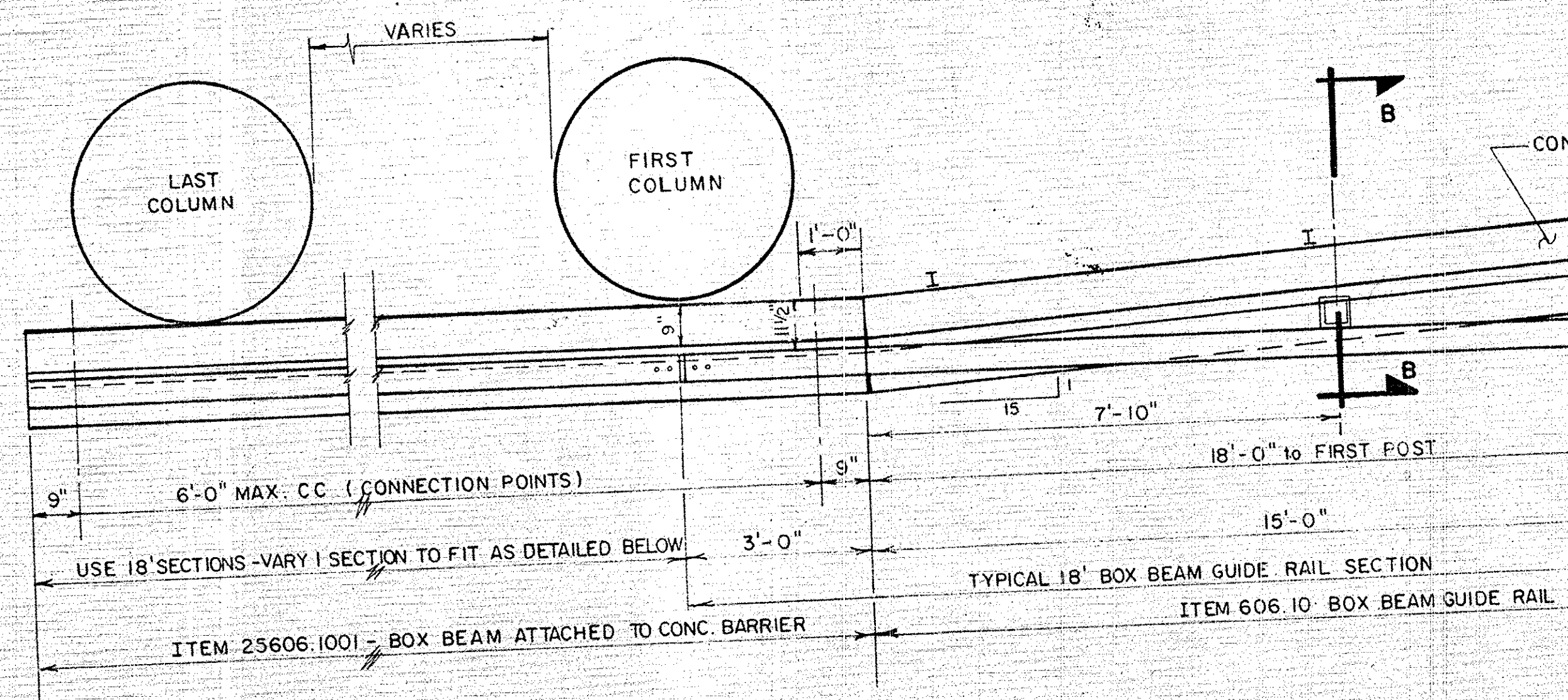
NO ALTERATION PERMITTED HEREON EXCEPT
AS PROVIDED UNDER SECTION 7209 SUBDIVISION
2 OF THE NEW YORK STATE EDUCATION LAW.



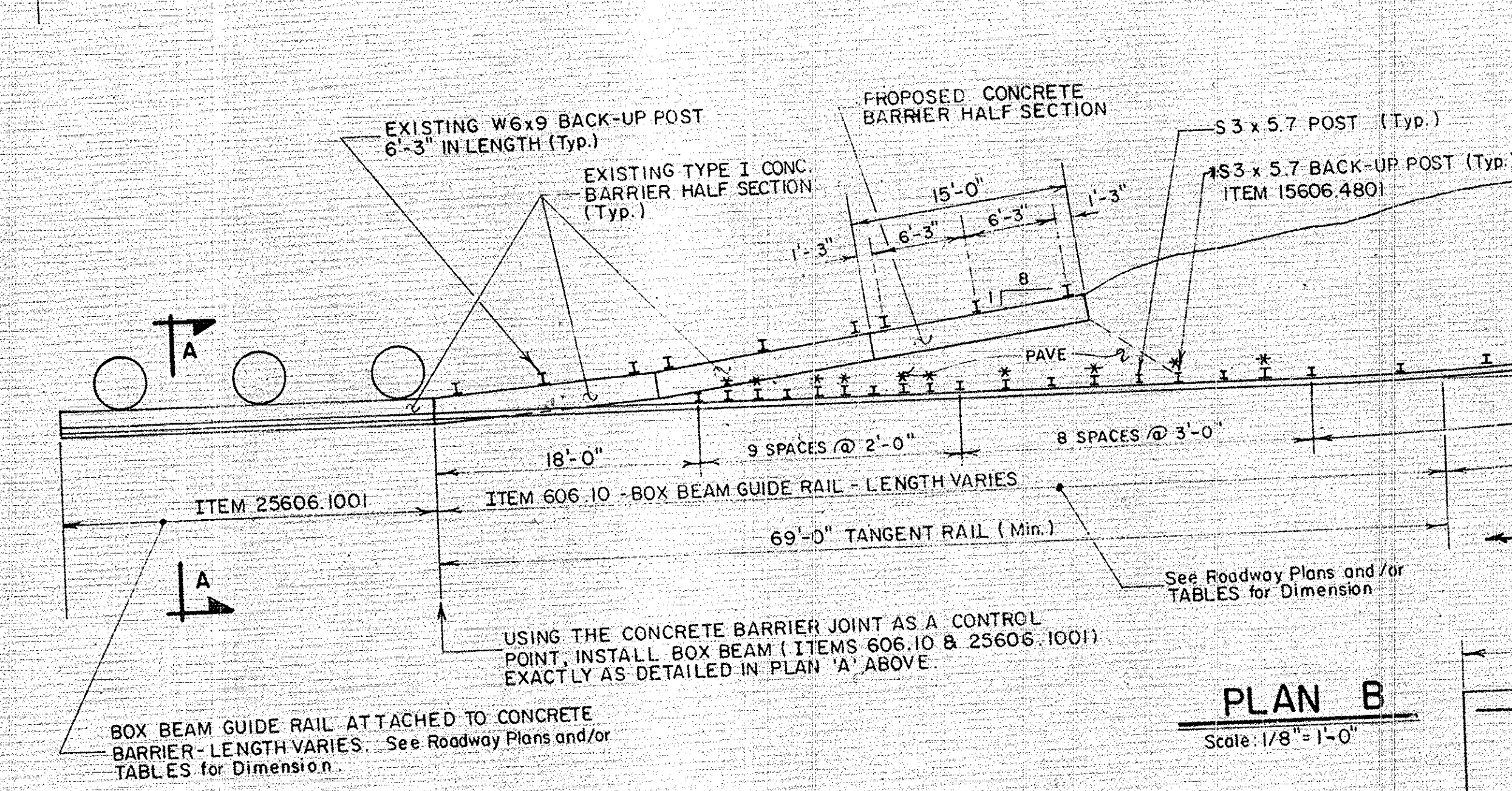
IN CHARGE OF: J.W. Franz Jr., P.E.
MADE BY: S.H. George, P.E.

NO AS-BUILT REVISIONS

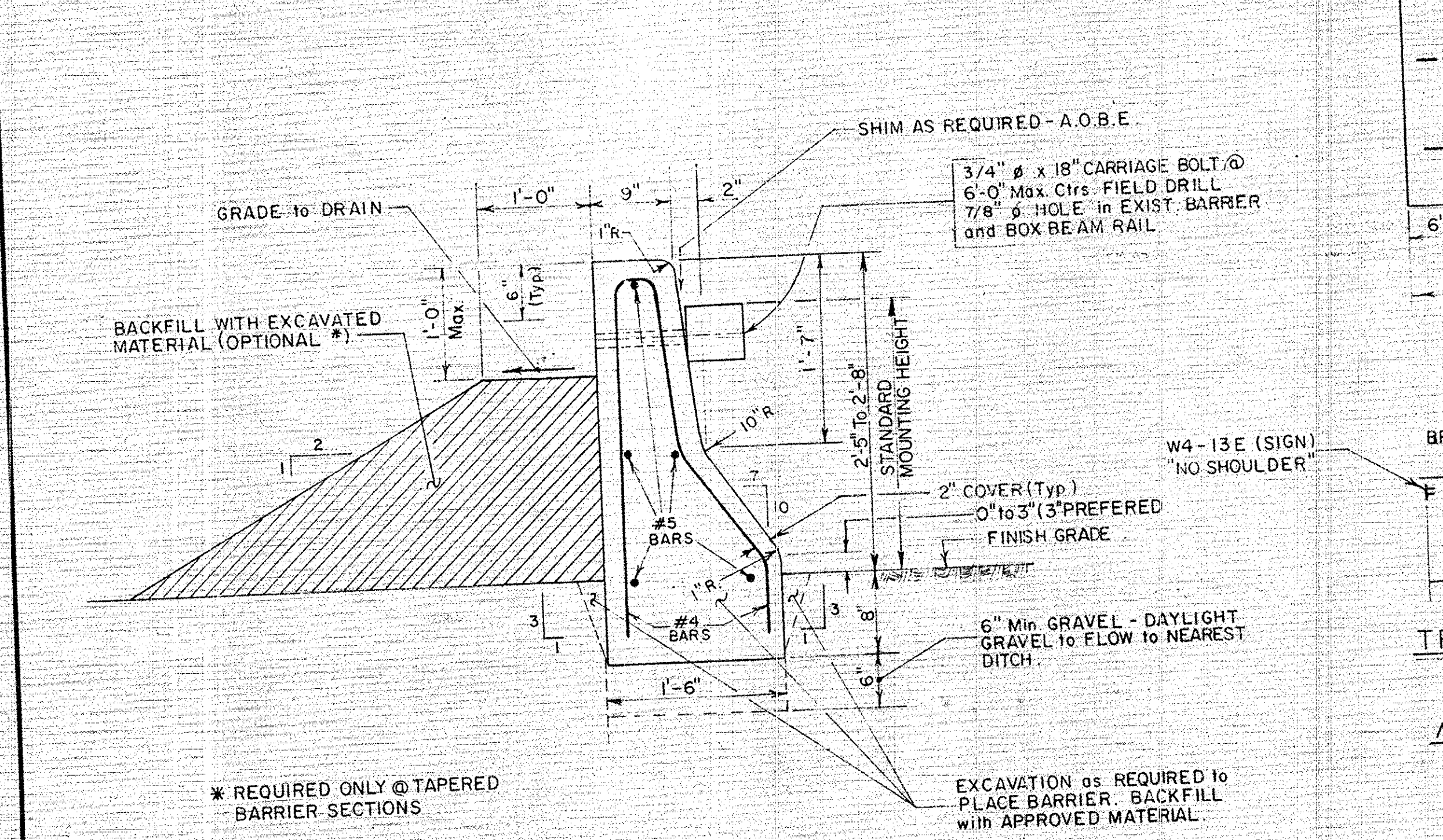
DATE	DESCRIPTION	BY	SYB.
REVISIONS			
NEW YORK STATE THRUWAY AUTHORITY			
DEPARTMENT OF ENGINEERING AND MAINTENANCE			
200 SOUTHERN BLVD., ALBANY, NEW YORK 12209			
TITLE OF PROJECT:			
ROADWAY REHABILITATION			
LOCATION OF PROJECT:			
M.P. 267.0 ± - M.P. 285.2 ±			
TITLE OF DRAWING:			
PAVEMENT MARKING DETAILS			
DRAWN BY:			
T.H. Le			
CHECKED BY:			
D.A. Pilawa			
DATE:			
November 25, 1987			
DRAWING NO.:			
45			
TAS 88-5			



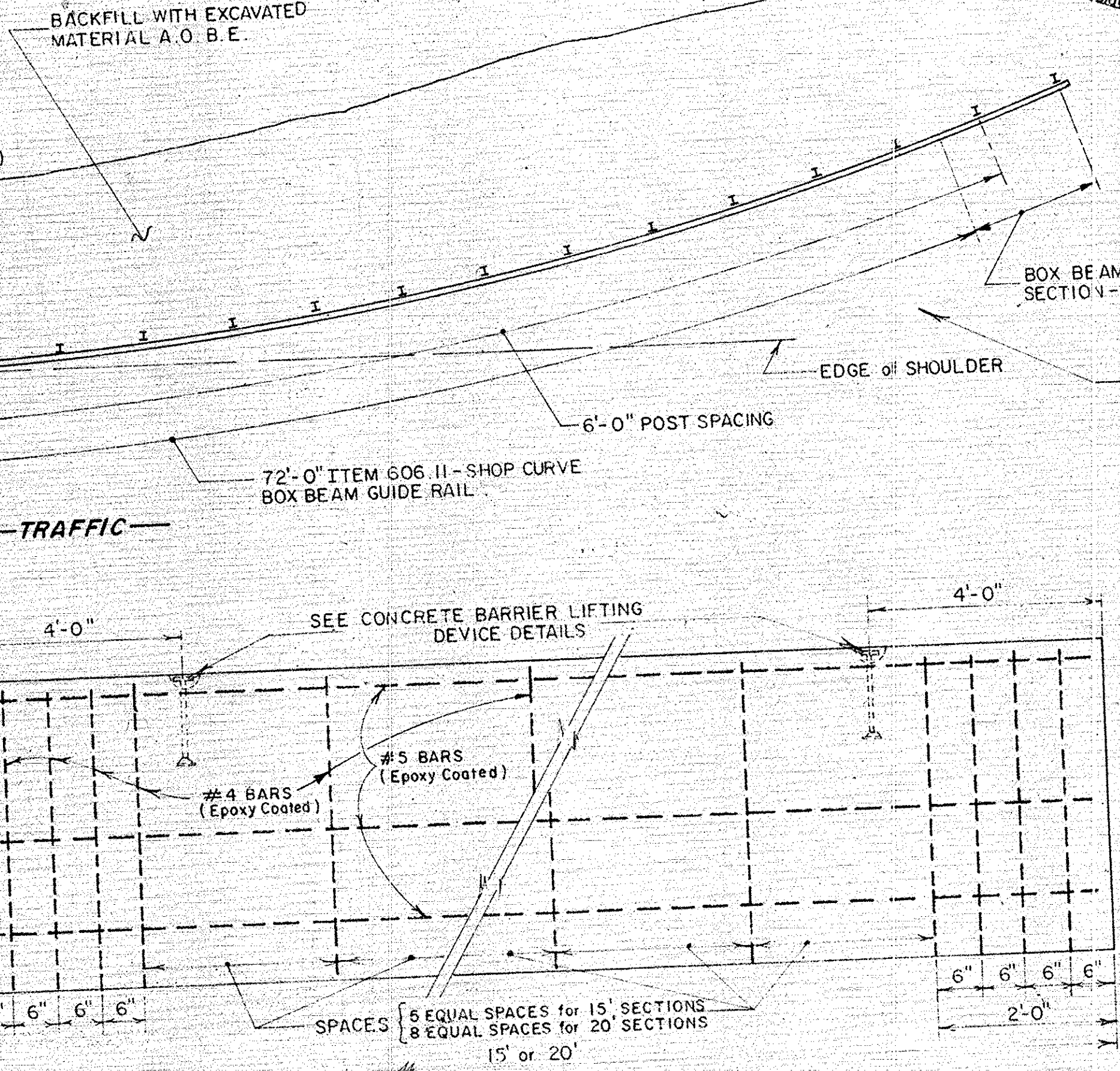
PLAN A
Scale: 1/2" = 1'-0"



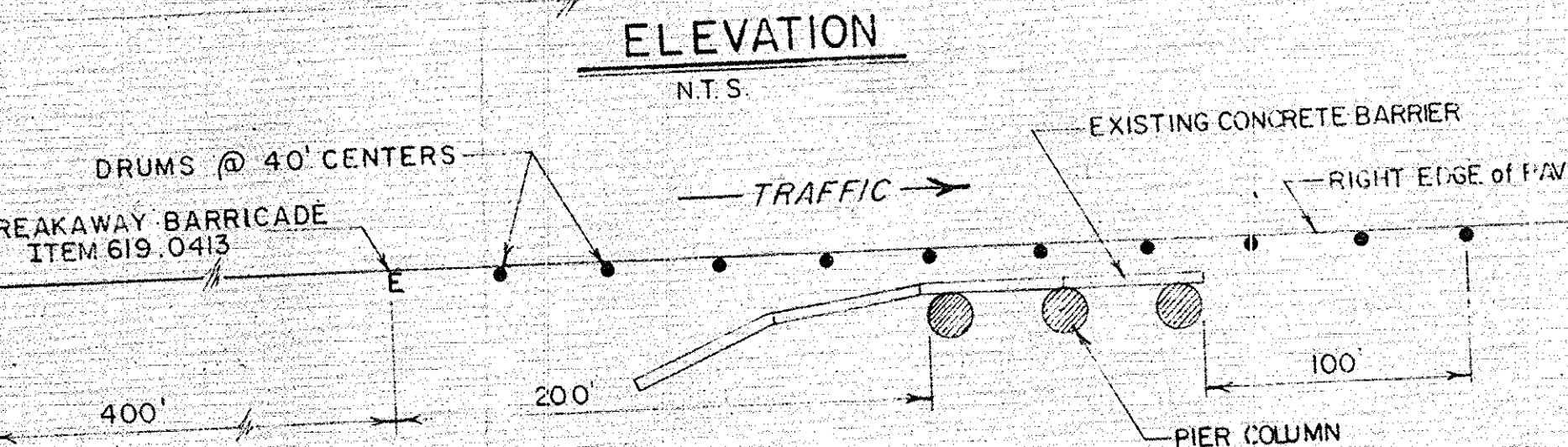
PLAN B
Scale: 1/8" = 1'-0"



SECTION A-A

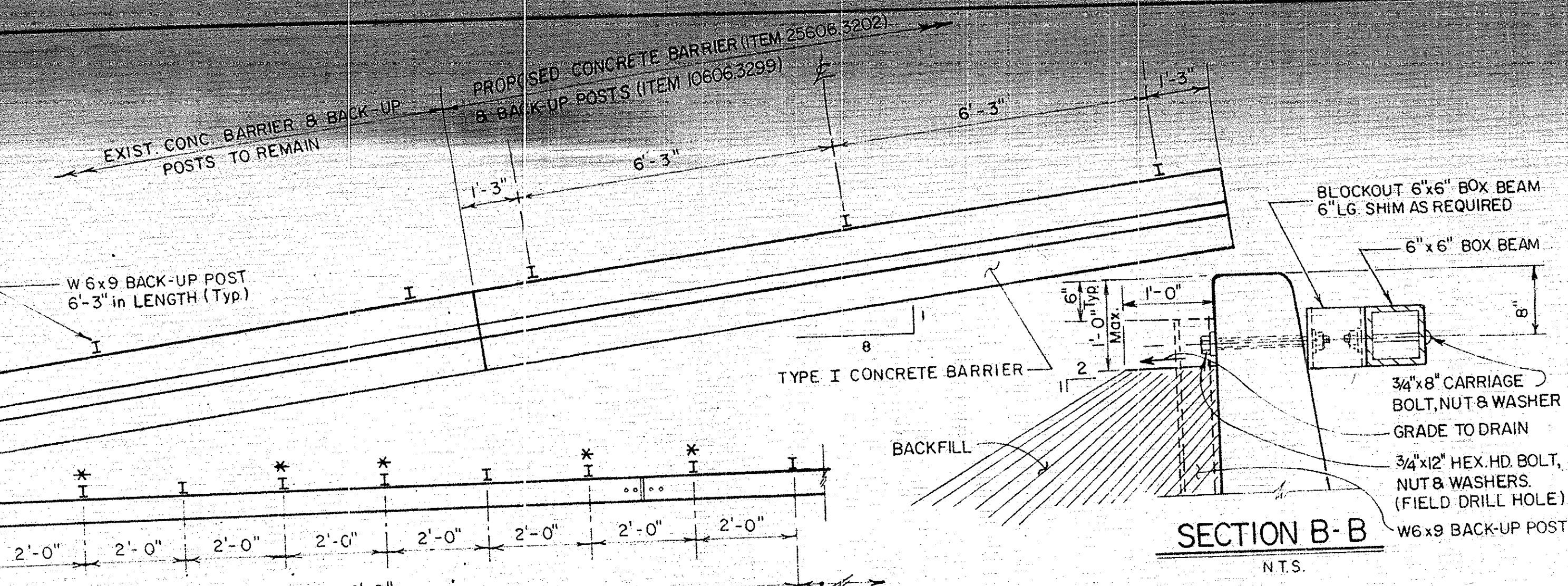


ELEVATION
N.T.S.

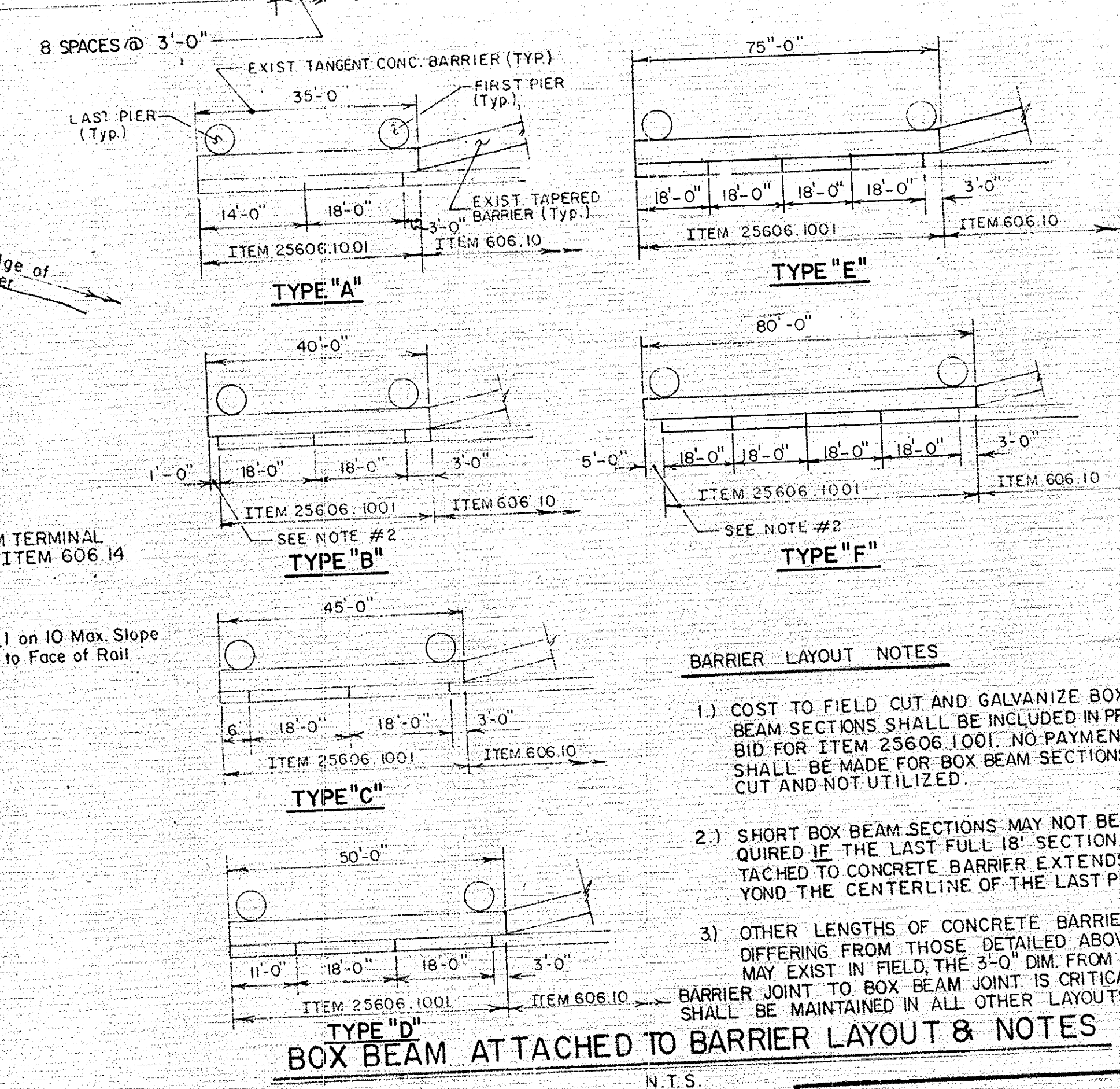


TRAFFIC PROTECTION WHEN BRIDGE PIER BARRIER AND APPROACH SECTION IS NOT COMPLETE
(COST TO BE INCLUDED IN ITEM 619.01 AND 619.02)

- NOTES:** (FOR PIER PROTECTION TRAFFIC CONTROL)
1. SINGLE LANE CLOSURE TO BE USED DURING WORK HOURS TO INSTALL PIER PROTECTION.
 2. NO SHOULDER PATTERN AS SHOWN TO BE USED DURING NON-WORK HOURS (DRIVING AND MALL LANE OPEN TO TRAFFIC).
 3. PAY QUANTITY FOR ITEM 619.0413 SHALL BE 4 LIN. FT. (1 BARRICADE) PER PROTECTION SITE. NO EXTRA PAYMENT SHALL BE MADE FOR ANY MOVING OF THE BARRICADES BY THE CONTRACTOR DURING PERIOD OF USE.



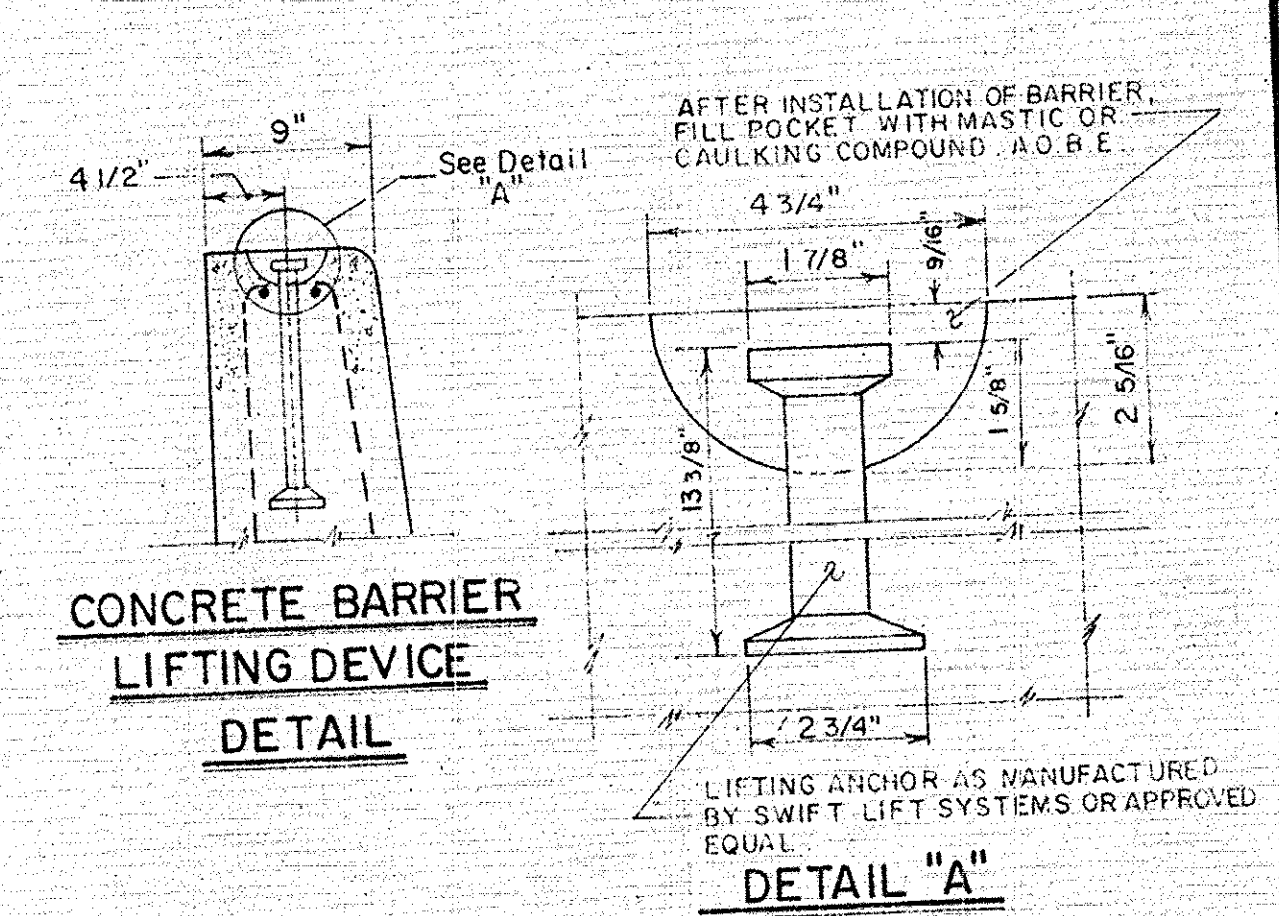
SECTION B-B
N.T.S.



BARRIER LAYOUT NOTES

1. COST TO FIELD CUT AND GALVANIZE BOX BEAM SECTIONS SHALL BE INCLUDED IN PRICE BID FOR ITEM 25606.1001. NO PAYMENT SHALL BE MADE FOR BOX BEAM SECTIONS CUT AND NOT UTILIZED.
2. SHORT BOX BEAM SECTIONS MAY NOT BE REQUIRED IF THE LAST FULL 18' SECTION ATTACHED TO CONCRETE BARRIER EXTENDS BEYOND THE CENTERLINE OF THE LAST PIER.
3. OTHER LENGTHS OF CONCRETE BARRIER DIFFERING FROM THOSE DETAILED ABOVE MAY EXIST IN FIELD. THE 3'-0" DIM. FROM CONG. BARRIER JOINT TO BOX BEAM JOINT IS CRITICAL & SHALL BE MAINTAINED IN ALL OTHER LAYOUTS.

BOX BEAM ATTACHED TO BARRIER LAYOUT & NOTES
N.T.S.



CONCRETE BARRIER LIFTING DEVICE DETAIL

DETAIL "A"

GENERAL NOTES

1. THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH SHOP DRAWINGS FOR THE FABRICATION AND CONSTRUCTION OF THE BARRIER (ITEM 25606.3202).
2. THE COST OF DRILLING HOLES, & FURNISHING BOLTS, NUTS AND WASHERS SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 606.10.
3. FILL MATERIAL BEHIND THE BARRIER TAPER SECTIONS (NEW & EXISTING) SHALL BE CLEAN EXCAVATION REMOVED FROM SHOULDER EXCAVATION (ITEM 203.01).
4. CONCRETE BARRIER TO BE FABRICATED IN ACCORDANCE WITH SECTION 704-05 OF STANDARD SPECIFICATIONS.
5. REPAVE IN FRONT OF BARRIER WITH ASPHALT CONCRETE A.O.B.E.
6. COST OF LIFTING DEVICES AND NECESSARY CAULKING TO BE INCLUDED IN THE PRICE BID FOR CONCRETE BARRIER (ITEM 25606.3202).

AS-BUILT REVISIONS

NO AS-BUILT REVISIONS

SIGNATURE _____ DATE _____

NEW YORK STATE THRUWAY AUTHORITY
DEPARTMENT OF ENGINEERING AND MAINTENANCE
200 SOUTHERN BLVD., ALBANY, N.Y. 12209

TITLE OF PROJECT
ROADWAY REHABILITATION

LOCATION OF PROJECT
M.P. 267.0 ± — M.P. 285.2 ±

TITLE OF DRAWING
PROPOSED SHOULDER PIER PROTECTION

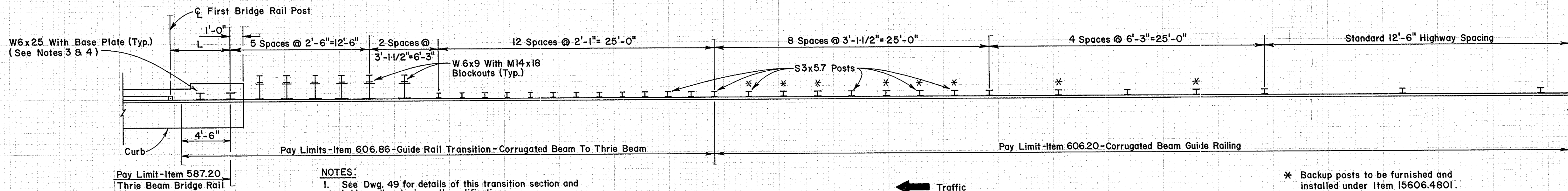
DRAWN BY: _____

CHECKED BY: *[Signature]*

DATE: November 25, 1998

DRAWING NUMBER
46

TAS 88-5

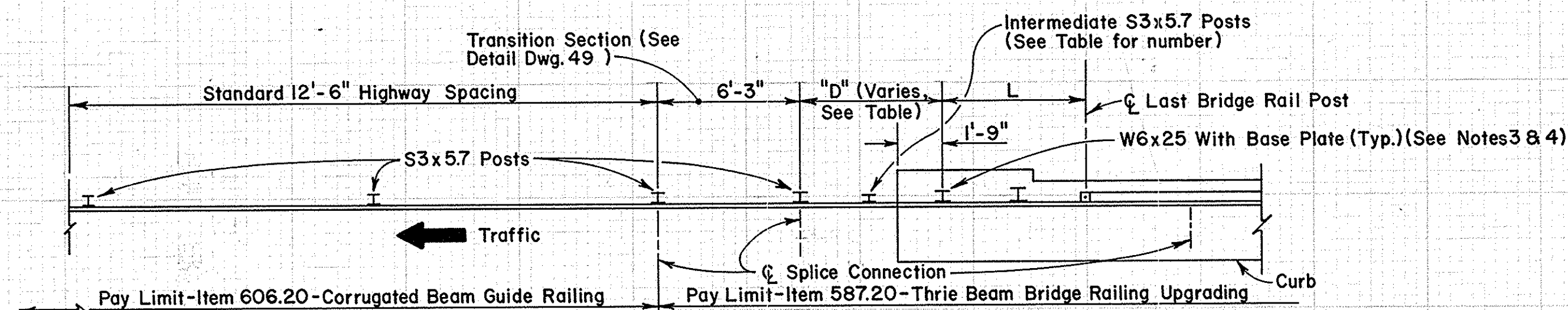


- NOTES:**
1. See Dwg. 49 for details of this transition section and bridge rail and wingwall modifications.
 2. See Dwg. 48 for thrie beam attachment details.
 3. See Dwg. 48 for detail for anchoring W6x25 post and base plate to bridge wingwall.
 4. See Table this sheet for number of W6x25 posts required.

APPROACH END GUIDE RAIL TREATMENT AT UNDERPASSES

(STRUCTURES AT MILEPOSTS 274.78, 274.18, & 273.16)

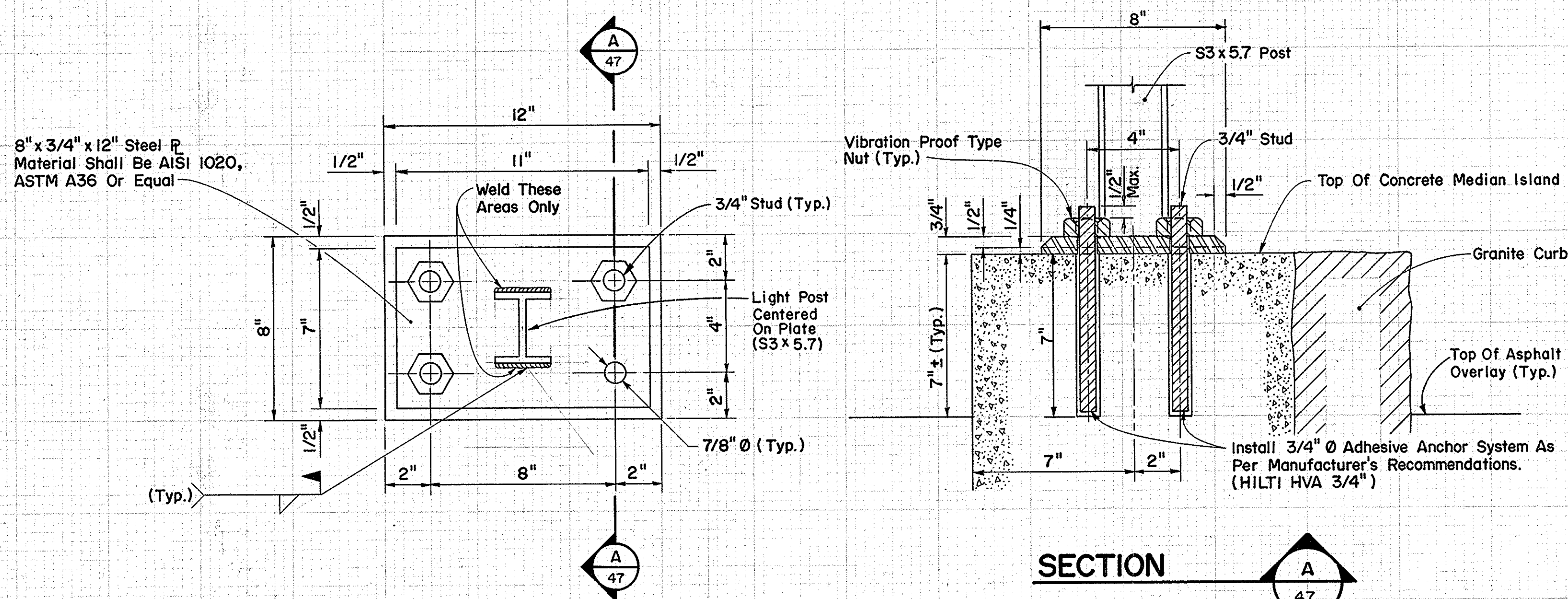
* Backup posts to be furnished and installed under Item 15606.4801.



BRIDGE LOCATION	W6 x 25 POSTS REQUIRED					"D" (L.F.) (TERMINAL END) RIGHT & MALL SIDE	INTERMEDIATE S3 x 5.7 POSTS REQUIRED (TERMINAL END) RIGHT & MALL SIDE
	APPROACH END		TERMINAL END				
	RIGHT SIDE	MALL SIDE	RIGHT SIDE	MALL SIDE			
M.P. 274.78	EB			1	1	10'-11"	1
	WB	2	2	1	1	10'-8"	1
M.P. 274.18	EB	2	2	1	1	8'-1"	1
	WB	2	2	1	1	8'-2"	1
M.P. 273.16	EB	2	2	2	2	14'-7"	2
	WB	2	2	2	2	2'-8"	0

TERMINAL END GUIDE RAIL TREATMENT AT UNDERPASSES

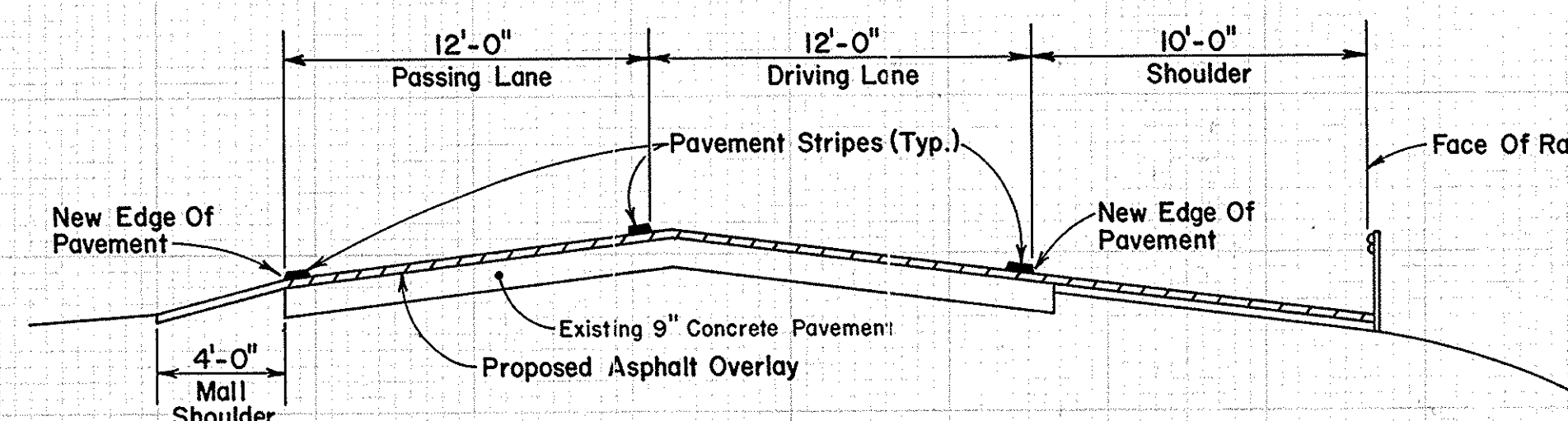
(STRUCTURES AT MILEPOSTS 274.78, 274.18, & 273.16)



MALL RAIL POST ANCHORAGE DETAILS

Scale: 1" = 4"
(ELECTRONICS PARKWAY UNDERPASS M.P. 284.06)

- NOTES:**
1. The posts and anchorage appurtenances are included under Item 606.21.
 2. All bolts, nuts and washers shall be galvanized in accordance with ASTM A-325.

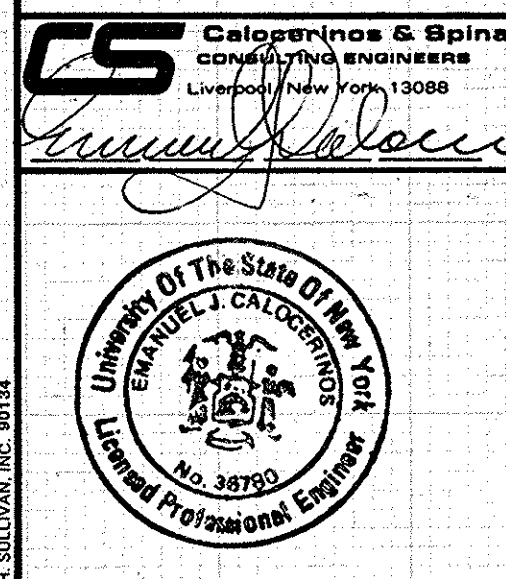


TYPICAL RAIL PLACEMENT

Not To Scale

NO AS-BUILT REVISIONS

DATE	DESCRIPTION	BY	SYB.
REVISIONS			
NEW YORK STATE THRUWAY AUTHORITY DEPARTMENT OF ENGINEERING AND MAINTENANCE 200 SOUTHERN BLVD., ALBANY, NEW YORK 12209			
TITLE OF PROJECT: ROADWAY REHABILITATION			
LOCATION OF PROJECT: M.P. 267.0 ± - M.P. 285.2 ±			
TITLE OF DRAWING: MISCELLANEOUS GUIDE RAIL DETAILS			
DRAWN BY: L.G. Cornell			
CHECKED BY: S.H. George			
DATE: November 25, 1987			
DRAWING NO.: 47			
TAS 88-5			



IN CHARGE OF: J.W. Franz, Jr., P.E.
MADE BY: S.H. George, P.E.

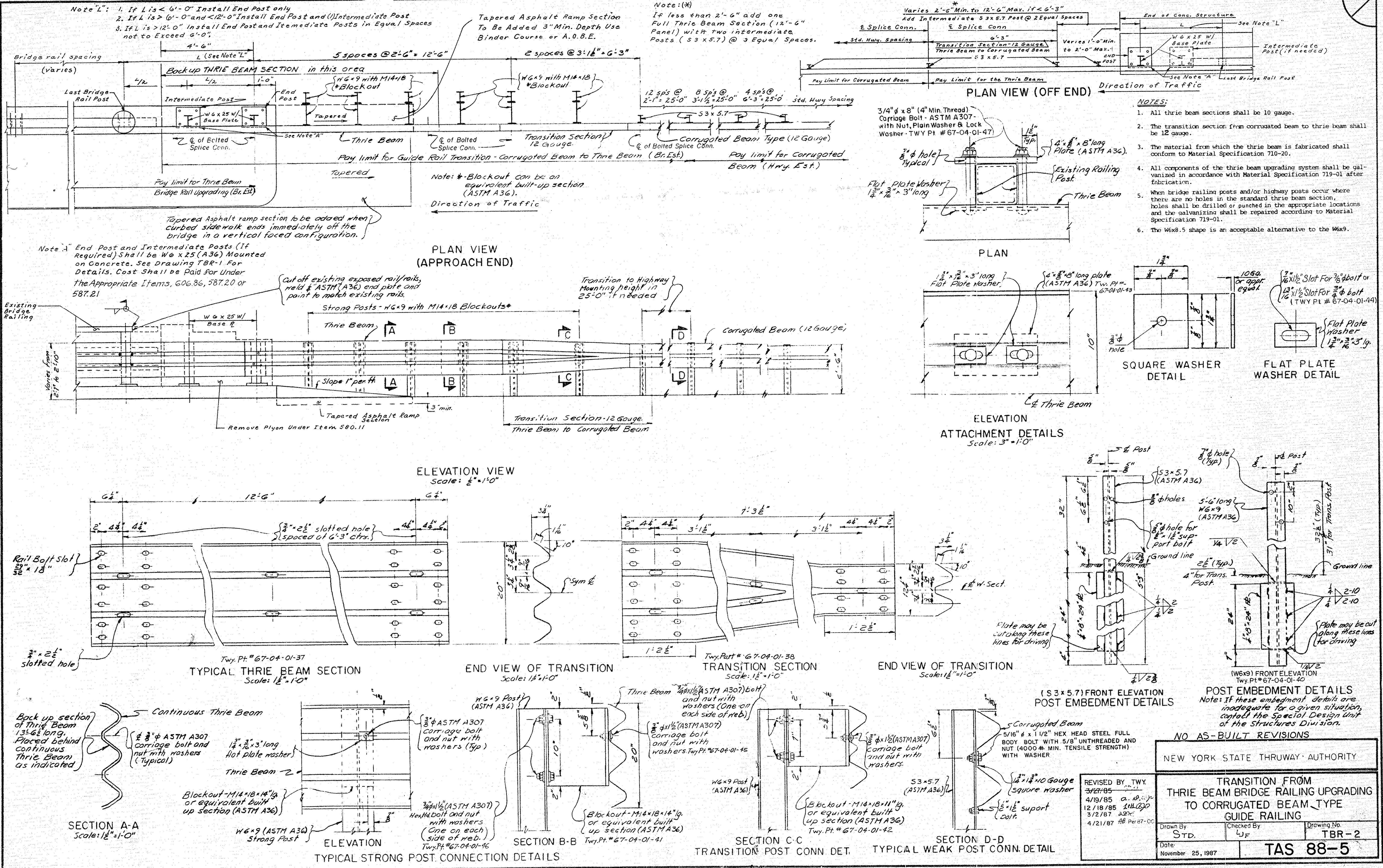
NO ALTERATION PERMITTED HEREON EXCEPT
AS PROVIDED UNDER SECTION 7209 SUBDIVISION
2 OF THE NEW YORK STATE EDUCATION LAW.

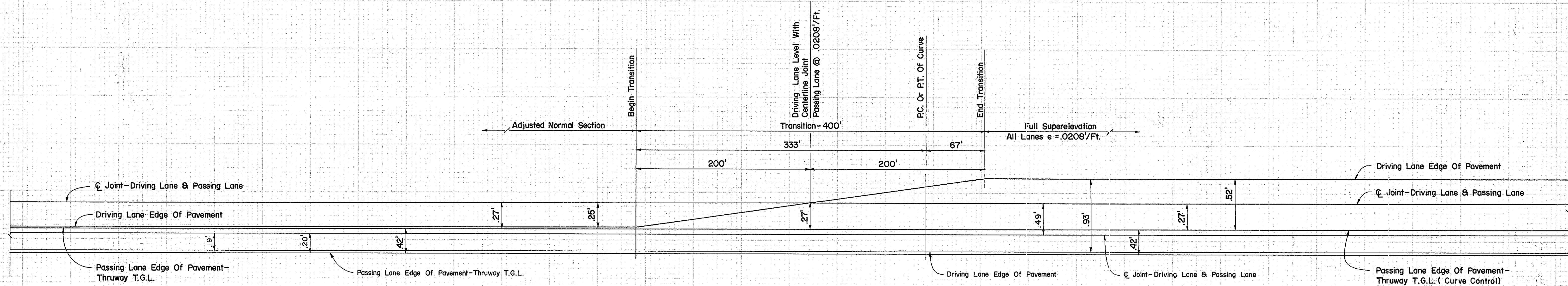
DETAIL CHECKED BY

DESIGNED BY

DESIGNED BY

DESIGNED BY



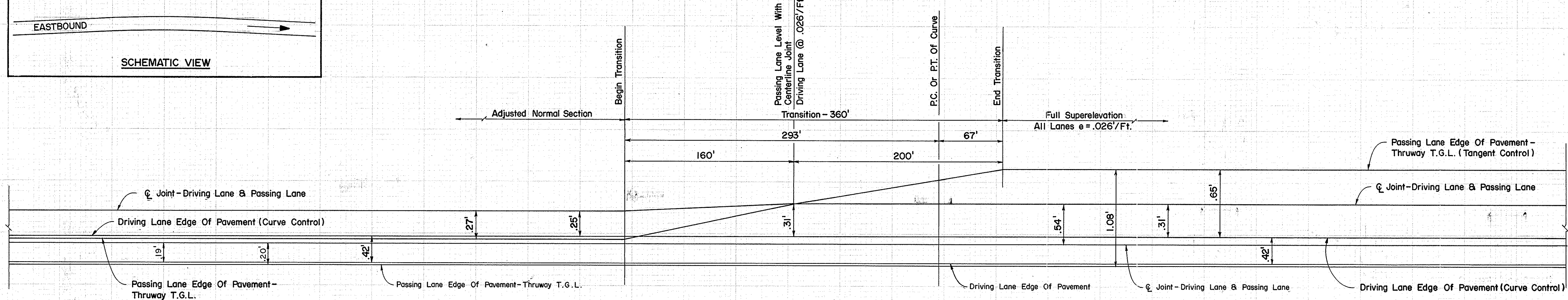
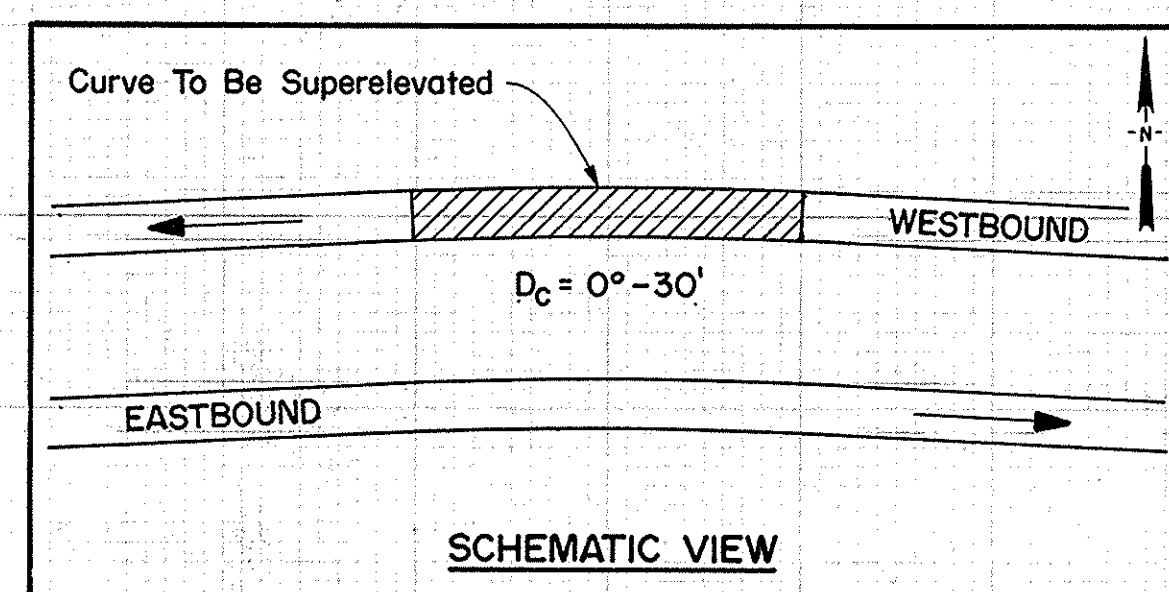


CROSS SLOPE ADJUSTMENT

Not To Scale

(OUTSIDE CURVE)

WESTBOUND: M.P. 281.13± TO M.P. 281.23± (CURVE E)

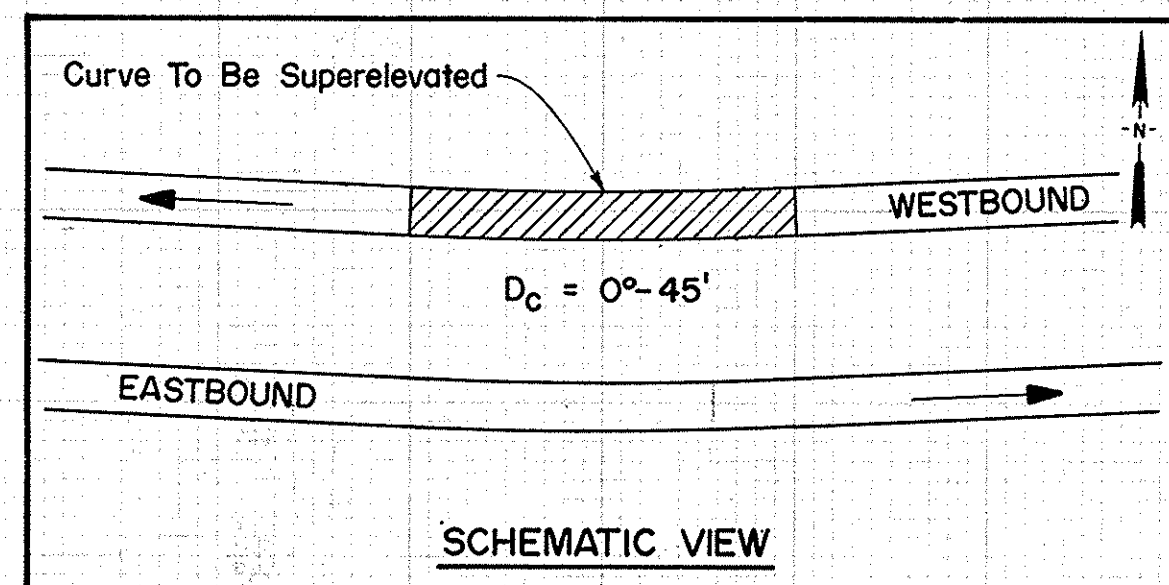


CROSS SLOPE ADJUSTMENT

Not To Scale

(INSIDE CURVE)

WESTBOUND: M.P. 279.27± TO M.P. 279.64± (CURVE G)

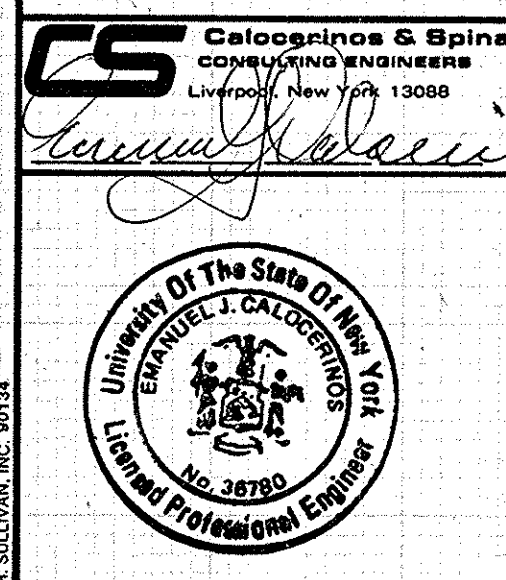


NOTES:

1. The proposed profile shown is that of final pavement course, Item 403.1701. The existing profile shown is that of the existing concrete pavement after milling. All slope corrections shall be made with the truing and leveling course, Item 403.21, prior to placement of the final pavement course. (See Typical Section On Drawing No. 8)
2. The small print indicates existing conditions.
3. The large print indicates the proposed cross slope adjustment.

NO AS-BUILT REVISIONS

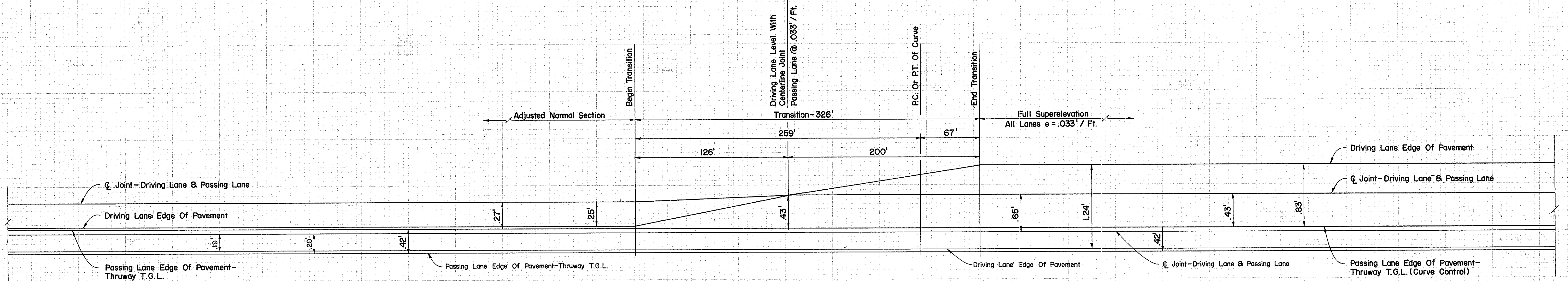
DATE	DESCRIPTION	BY	SYB
REVISIONS			
NEW YORK STATE THRUWAY AUTHORITY			
DEPARTMENT OF ENGINEERING AND MAINTENANCE			
200' SOUTHERN BLVD., ALBANY, NEW YORK 12209			
TITLE OF PROJECT			
ROADWAY REHABILITATION			
LOCATION OF PROJECT			
M.P. 267.0± - M.P. 285.2±			
TITLE OF DRAWING			
CROSS SLOPE ADJUSTMENT CURVES "E" & "G"			
DRAWN BY:			
D. K. Mills			
CHECKED BY:			
J.F. Morrissey			
DATE:			
November 25, 1987			
DRAWING NO.:			
50			
TAS 88-5			



IN CHARGE OF: J.W. Franz, Jr., P.E.
MADE BY: S.H. George, P.E.

NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.

TAS 88-5

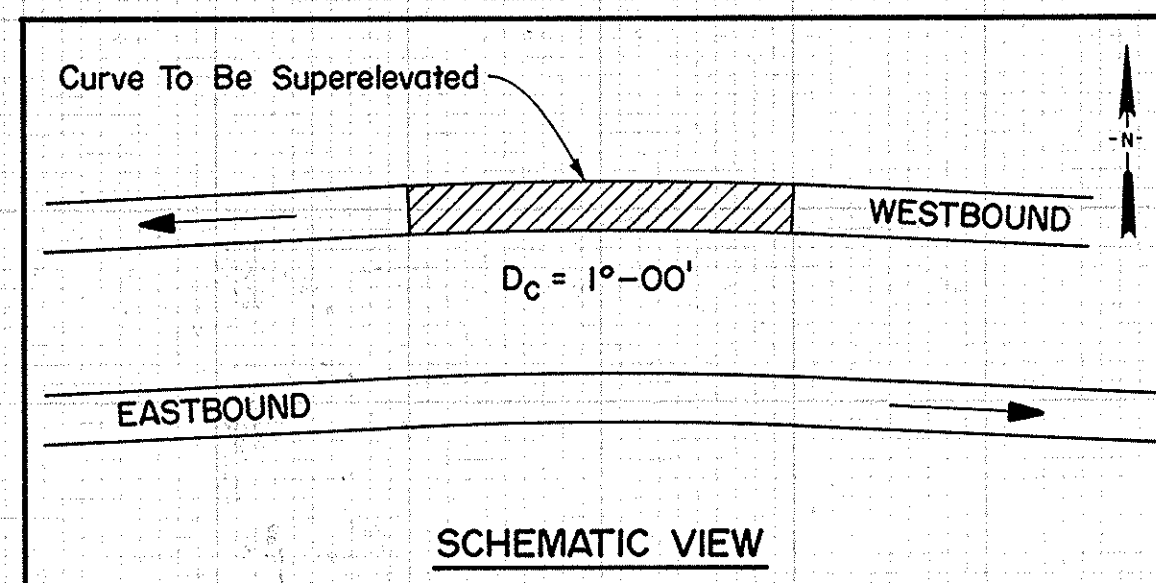


CROSS SLOPE ADJUSTMENT

Not To Scale

(OUTSIDE CURVE)

WESTBOUND: M.P. 280.68± TO M.P. 280.85± (CURVE F)
M.P. 278.51± TO M.P. 278.61± (CURVE H)



NOTES:

1. The proposed profile shown is that of final pavement course, Item 403.1701. The existing profile shown is that of the existing concrete pavement after milling. All slope corrections shall be made with the truing and leveling course, Item 403.21, prior to placement of the final pavement course. (See Typical Section On Drawing No. 8)
2. The small print indicates existing conditions.
3. The large print indicates the proposed cross slope adjustment.

NO AS-BUILT REVISIONS

DATE	DESCRIPTION	BY	SYB

NEW YORK STATE THRUWAY AUTHORITY
DEPARTMENT OF ENGINEERING
AND MAINTENANCE
200 SOUTHERN BLVD., ALBANY, NEW YORK 12209

TITLE OF PROJECT:
ROADWAY REHABILITATION

LOCATION OF PROJECT:
M.P. 267.0± - M.P. 285.2±

TITLE OF DRAWING:
CROSS SLOPE ADJUSTMENT
CURVES "F" & "H"

DRAWN BY:
D. K. Mills

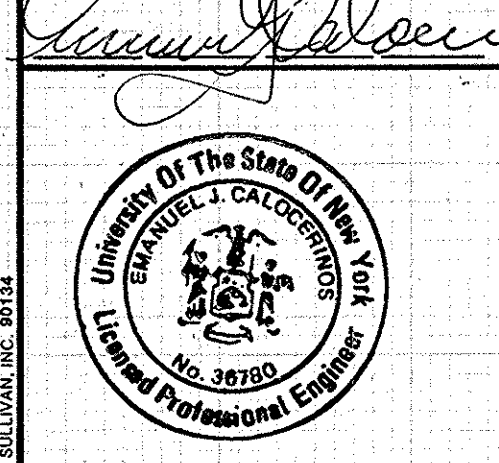
CHECKED BY:
J.F. Morrissey

DATE:
November 25, 1987

DRAWING NO.:
51

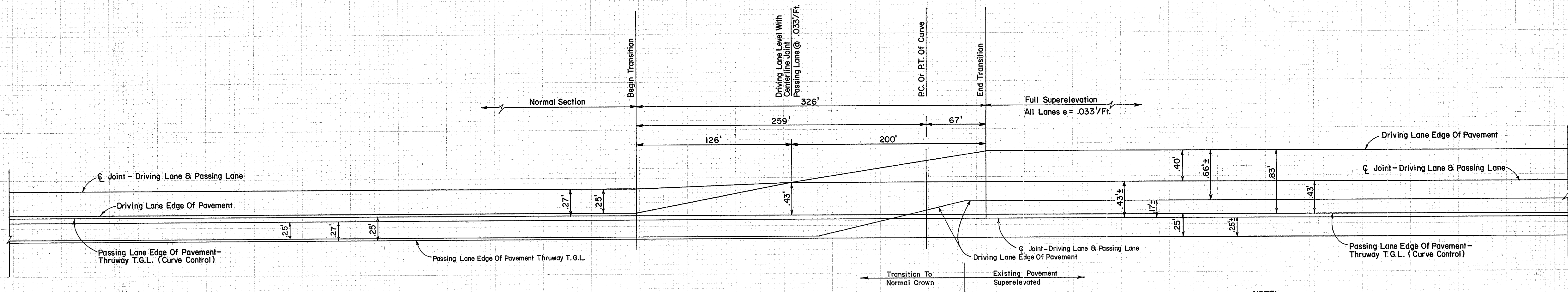
TAS 88 - 5

Calacortino & Spina
CONSULTING ENGINEERS
LIVERPOOL, N.Y. 13088



IN CHARGE OF: J.W. Franz, Jr., P.E.
MADE BY: S.H. George, P.E.

NO ALTERATION PERMITTED HEREON EXCEPT
AS PROVIDED UNDER SECTION 7209 SUBDIVISION
2 OF THE NEW YORK STATE EDUCATION LAW.



CROSS SLOPE ADJUSTMENT

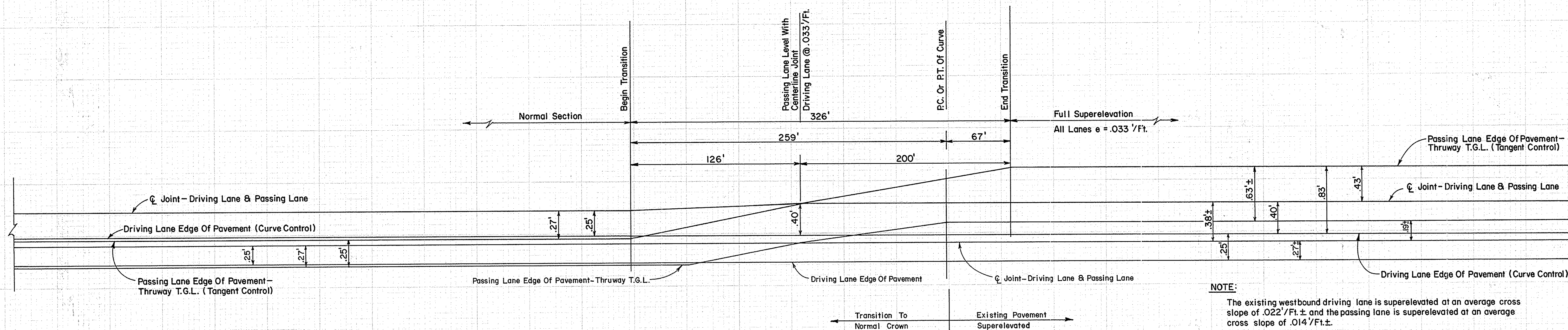
Not To Scale

(OUTSIDE CURVE)

EASTBOUND: M.P. 270.45± TO M.P. 270.50± (CURVE P)

NOTE:

The existing eastbound driving lane is superelevated at an average cross slope of .014/Ft.± and the passing lane is superelevated at an average cross slope of .019/Ft.±.



CROSS SLOPE ADJUSTMENT

Not To Scale


(INSIDE CURVE)

WESTBOUND: M.P. 270.45± TO M.P. 270.50± (CURVE P)

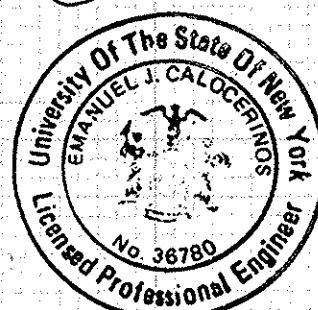
NOTES:

1. The proposed profiles shown is that of the final pavement course, Item 403.1701. All slope corrections shall be made with the truing and leveling course, Item 403.21, prior to placement of the final pavement course. (See Typical Section on Drawing No. 7)
2. The small print indicates existing conditions.
3. The large print indicates the proposed cross slope adjustment.

NO AS-BUILT REVISIONS

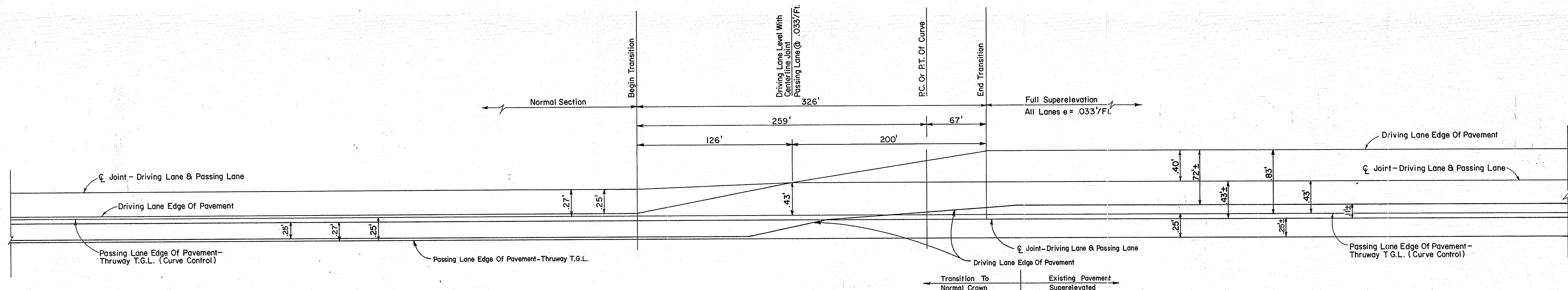
DATE	DESCRIPTION	BY	SYB.
REVISIONS			
NEW YORK STATE THRUWAY AUTHORITY			
DEPARTMENT OF ENGINEERING AND MAINTENANCE			
200 SOUTHERN BLVD., ALBANY, NEW YORK 12209			
TITLE OF PROJECT:			
ROADWAY REHABILITATION			
LOCATION OF PROJECT:			
M.P. 267.0 ± - M.P. 285.2 ±			
TITLE OF DRAWING:			
CROSS SLOPE ADJUSTMENT CURVE "P"			
			
DRAWN BY:			
M. T. Scharf			
CHECKED BY:			
D. A. Piliawa			
DATE:			
November 25, 1987			
DRAWING NO.:			
54			
TAS 88-5			

CS Calogriano & Spina
CONSULTING ENGINEERS
LIVERPOOL, NEW YORK 13089



IN CHARGE OF: J.W. Franz, Jr., P.E.
MADE BY: S.H. George, P.E.

NO ALTERATION PERMITTED HEREON EXCEPT
AS PROVIDED UNDER SECTION 7209 SUBDIVISION
2 OF THE NEW YORK STATE EDUCATION LAW.



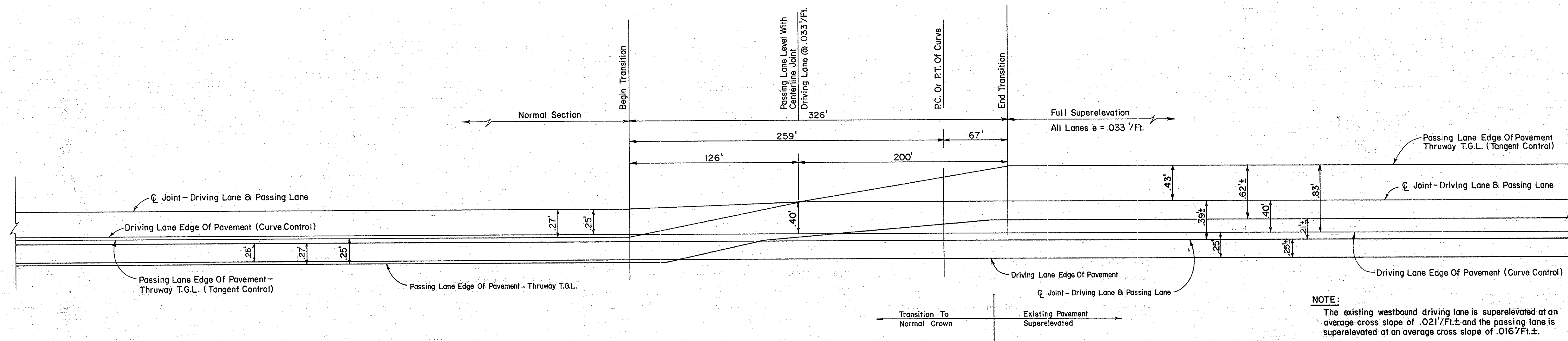
CROSS SLOPE ADJUSTMENT

Not To Scale
(OUTSIDE CURVE)

EASTBOUND: M.P. 269.45 ± TO M.P. 269.65 ± (CURVE Q)

NOTE:

The existing eastbound driving lane is superelevated at an average cross slope of .009'/ft. ± and the passing lane is superelevated at an average cross slope of .019'/ft. ±.



CROSS SLOPE ADJUSTMENT

Not To Scale
(INSIDE CURVE)

WESTBOUND: M.P. 269.43 ± TO M.P. 269.63 ± (CURVE Q)

NOTE:

The existing westbound driving lane is superelevated at an average cross slope of .021'/ft. ± and the passing lane is superelevated at an average cross slope of .016'/ft. ±.

NOTES:

1. The proposed profiles shown is that of the final pavement course, Item 403.1701. All slope corrections shall be made with the truing and leveling course, Item 403.21, prior to placement of the final pavement course. (See Typical Section on Drawing No. 7)
2. The small print indicates existing conditions.
3. The large print indicates the proposed cross slope adjustment.

NO AS-BUILT REVISIONS

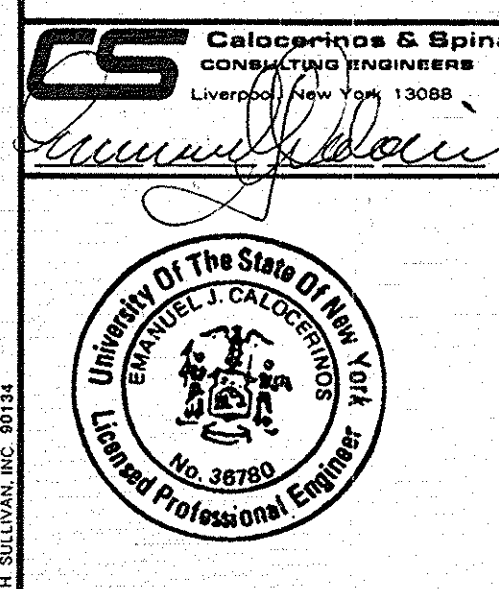
DATE	DESCRIPTION	BY	SYB.
REVISIONS			

NEW YORK STATE THRUWAY AUTHORITY			
DEPARTMENT OF ENGINEERING AND MAINTENANCE			
200 SOUTHERN BLVD., ALBANY, NEW YORK 12209			
TITLE OF PROJECT:			
ROADWAY REHABILITATION			
LOCATION OF PROJECT:			
M.P. 267.0 ± - M.P. 285.2 ±			
TITLE OF DRAWING:			
CROSS SLOPE ADJUSTMENT CURVE "Q"			

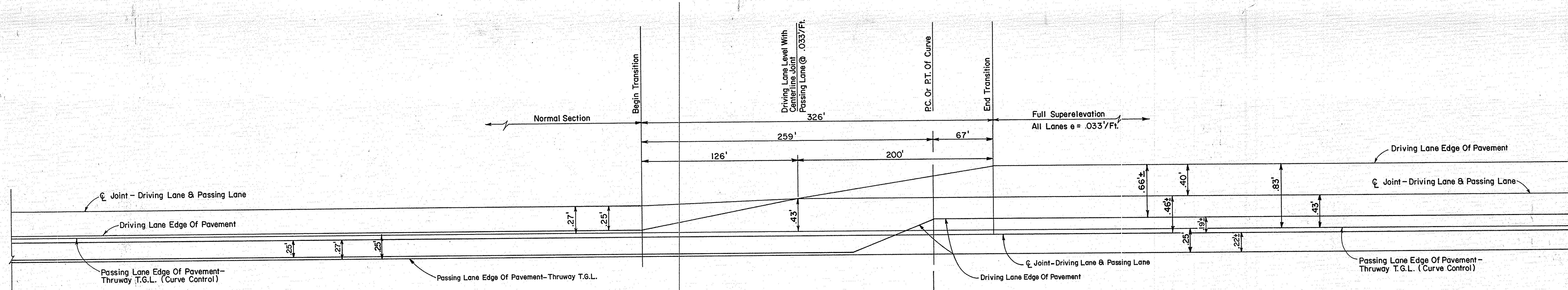
	DRAWN BY:	M. T. Scharf
	CHECKED BY:	D. A. Pilawa
	DATE:	November 25, 1987
	DRAWING NO.:	55

NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.

TAS 88-5



IN CHARGE OF: J.W. Franz, Jr., P.E.
MADE BY: S.H. George, P.E.

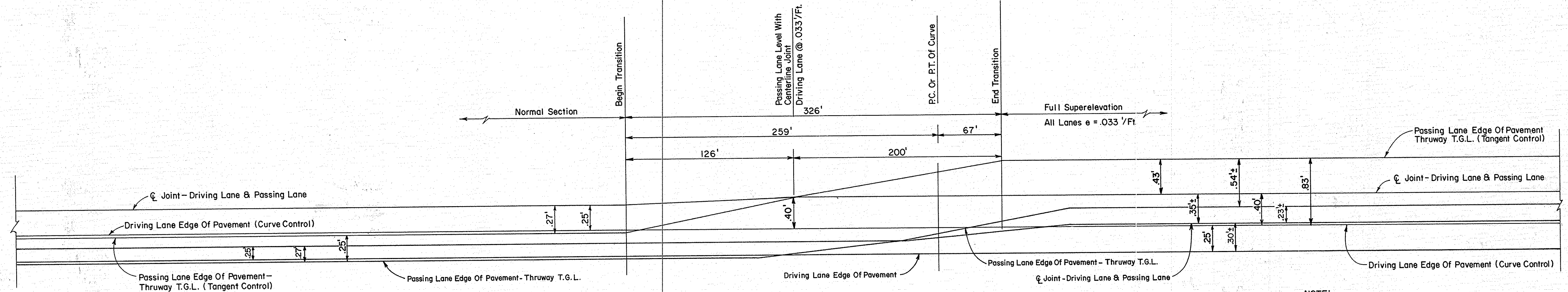


CROSS SLOPE ADJUSTMENT

Not To Scale
(OUTSIDE CURVE)

WESTBOUND: M.P. 268.05± TO M.P. 268.22± (CURVE R)

NOTE:
The existing westbound driving lane is superelevated at an average cross slope of .016'/ft.± and the passing lane is superelevated at an average cross slope of .017'/ft.±.



CROSS SLOPE ADJUSTMENT


Not To Scale
(INSIDE CURVE)

EASTBOUND: M.P. 268.06± TO M.P. 268.26± (CURVE R)

NOTE:
The existing eastbound driving lane is superelevated at an average cross slope of .025'/ft.± and the passing lane is superelevated at an average cross slope of .018'/ft.±.

- NOTES:**
1. The proposed profiles shown is that of the final pavement course, Item 403.170L. All slope corrections shall be made with the truing and leveling course, Item 403.21, prior to placement of the final pavement course. (See Typical Section on Drawing No.)
 2. The small print indicates existing conditions.
 3. The large print indicates the proposed cross slope adjustment.

NO AS-BUILT REVISIONS

DATE	DESCRIPTION	BY	SYB.
REVISIONS			
NEW YORK STATE THRUWAY AUTHORITY			
DEPARTMENT OF ENGINEERING AND MAINTENANCE			
200 SOUTHERN BLVD., ALBANY, NEW YORK 12209			
TITLE OF PROJECT:			
ROADWAY REHABILITATION			
LOCATION OF PROJECT:			
M.P. 267.0 ± — M.P. 285.2 ±			
TITLE OF DRAWING:			
CROSS SLOPE ADJUSTMENT CURVE "R"			
			
DRAWN BY: M.T. Scharf			
CHECKED BY: D.A. Pilawa			
DATE: November 25, 1987			
DRAWING NO. 56			
TAS 88-5			

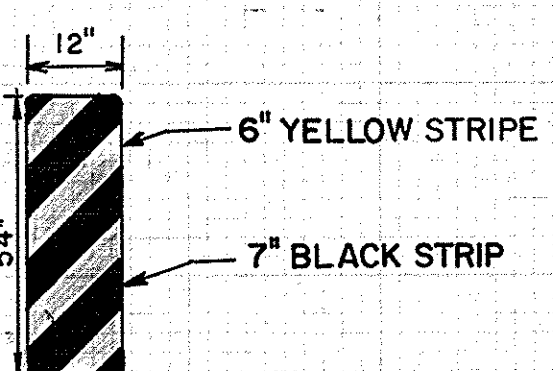
CS Calceiras & Spine
CONSULTING ENGINEERS
LIVINGSTON, NEW YORK 13088

James J. Calceiras

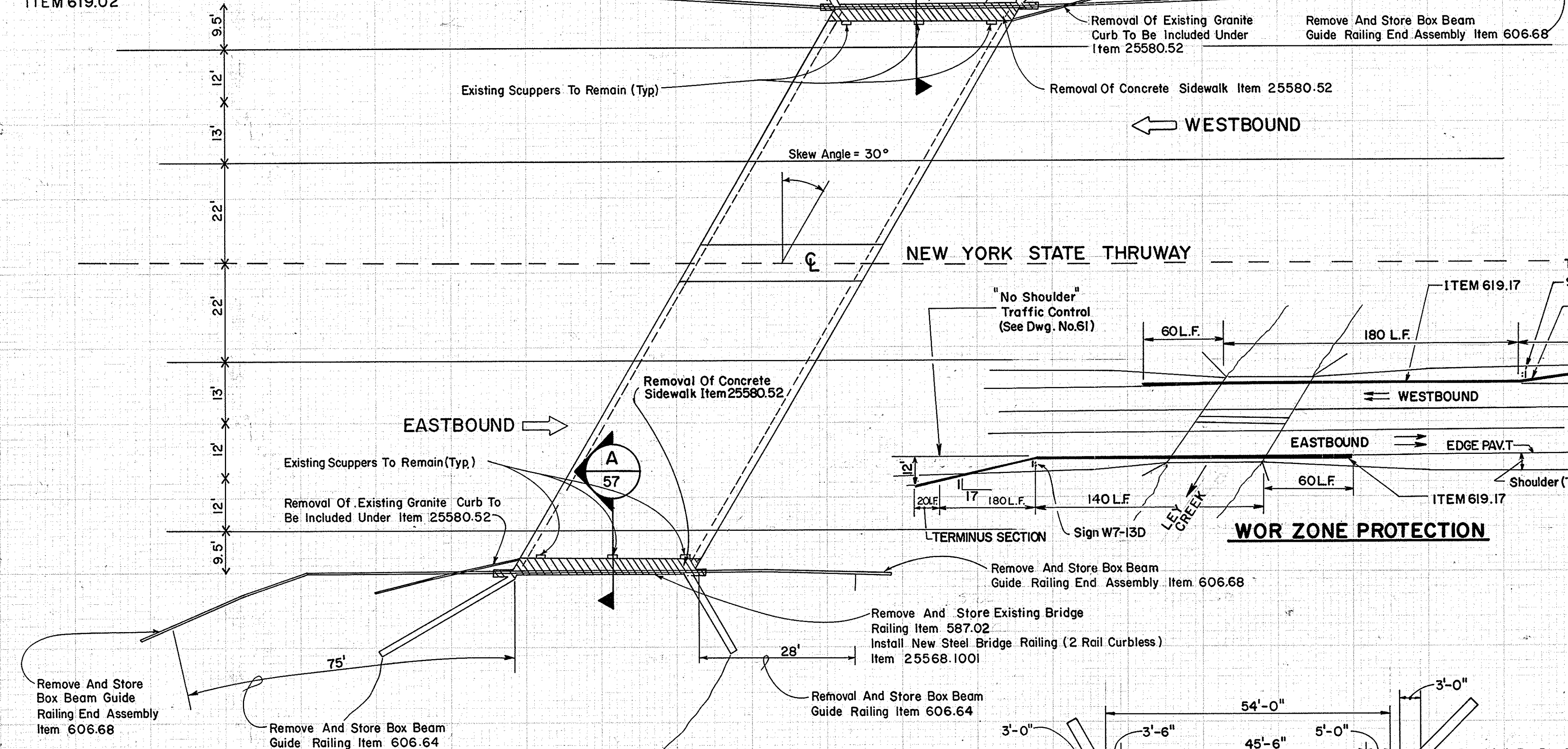
UNIVERSITY OF THE STATE OF NEW YORK
JAMES J. CALCEIRAS
Professional Engineer
No. 20578

IN CHARGE OF: J.W. Franz, Jr., P.E.
MADE BY: S.H. George, P.E.

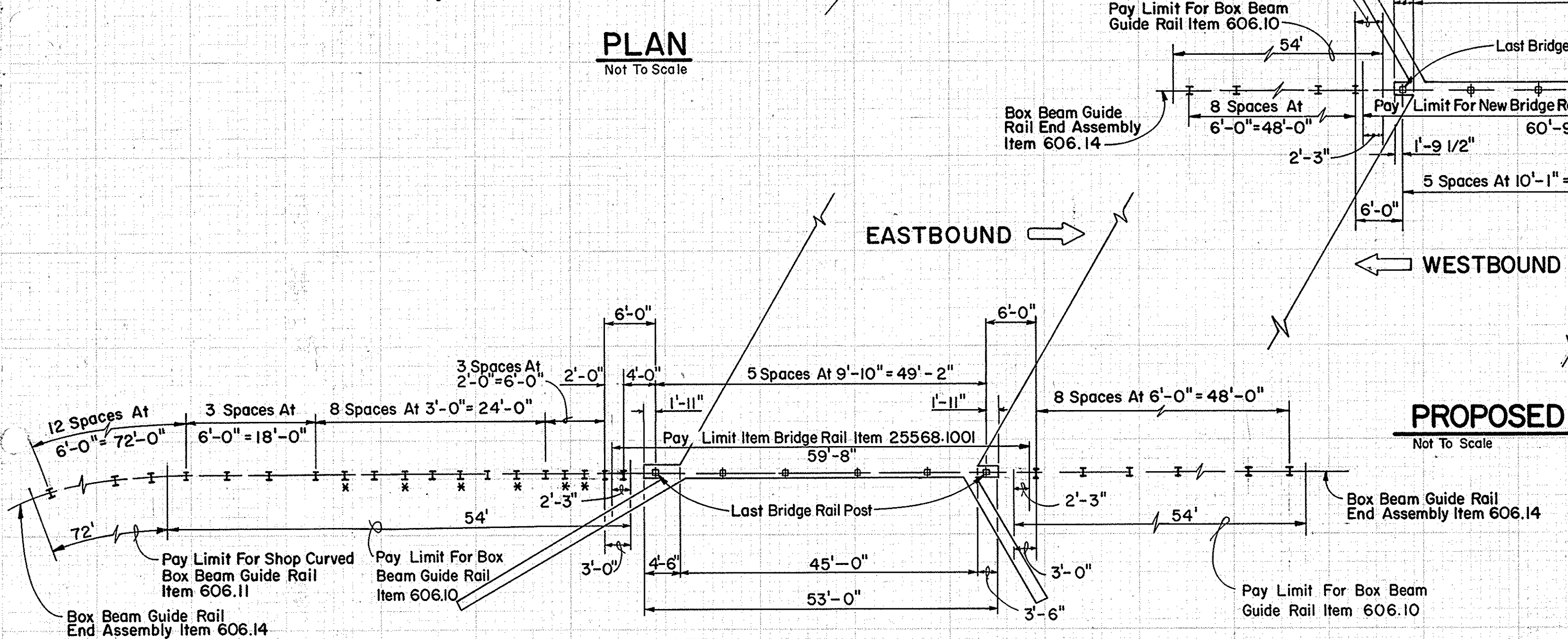
NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.



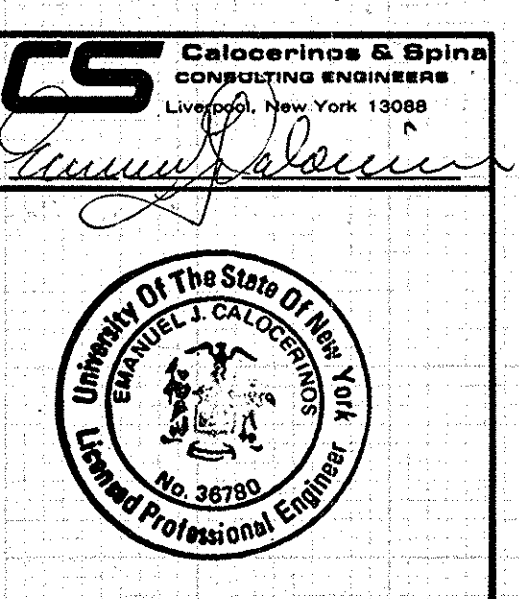
SIGN W7-13D
ITEM 619.02



PLAN
Not To Scale



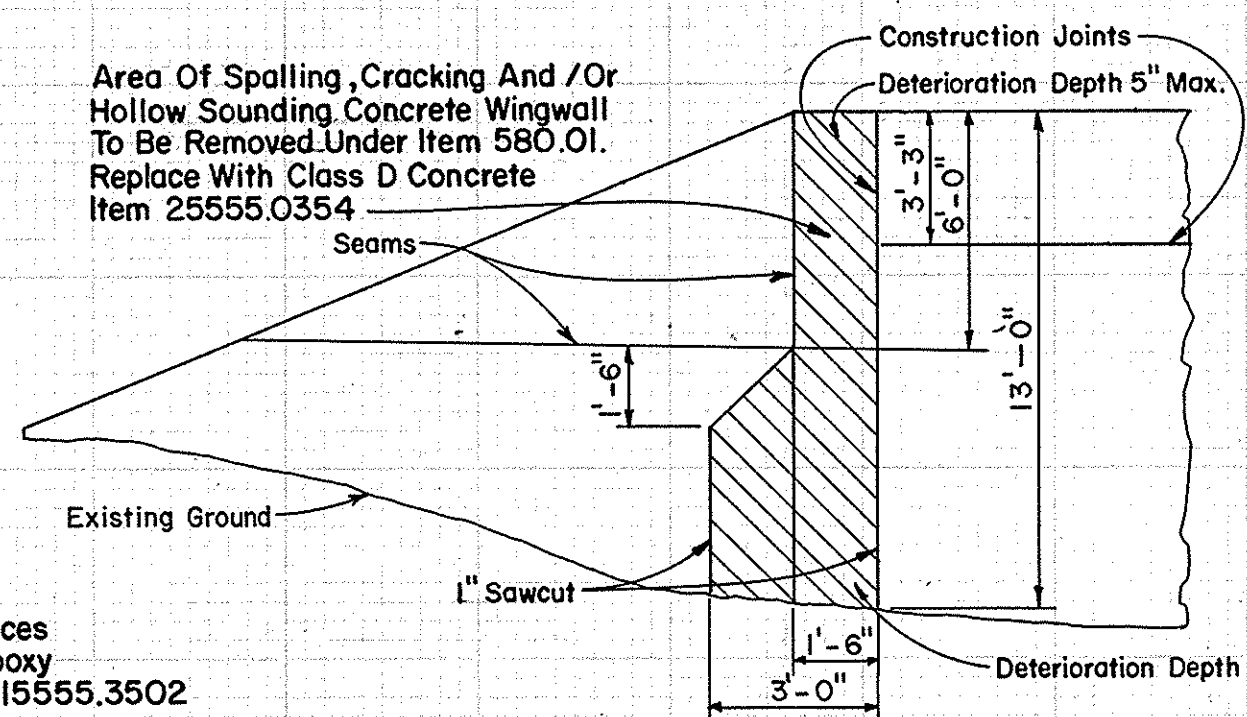
PROPOSED EASTBOUND BRIDGE RAILING LAYOUT
Not To Scale



IN CHARGE OF: J.W. Franz, Jr., P.E.
MADE BY: S.H. George, P.E.

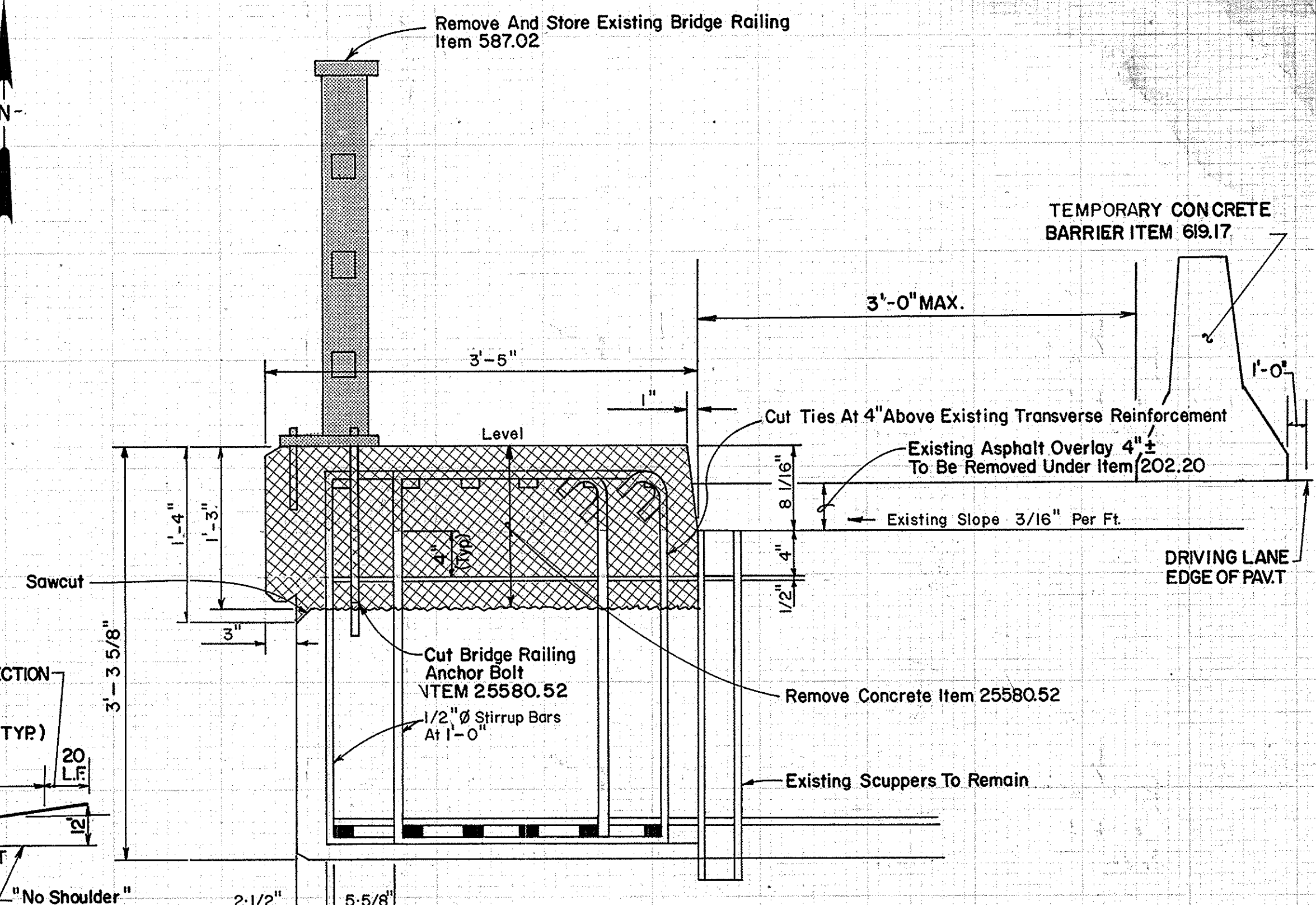
NO ALTERATION PERMITTED HEREON EXCEPT
AS PROVIDED UNDER SECTION 7209 SUB-
DIVISION 2 OF THE NEW YORK STATE
EDUCATION LAW.

PROPOSED WESTBOUND BRIDGE RAILING LAYOUT
Not To Scale



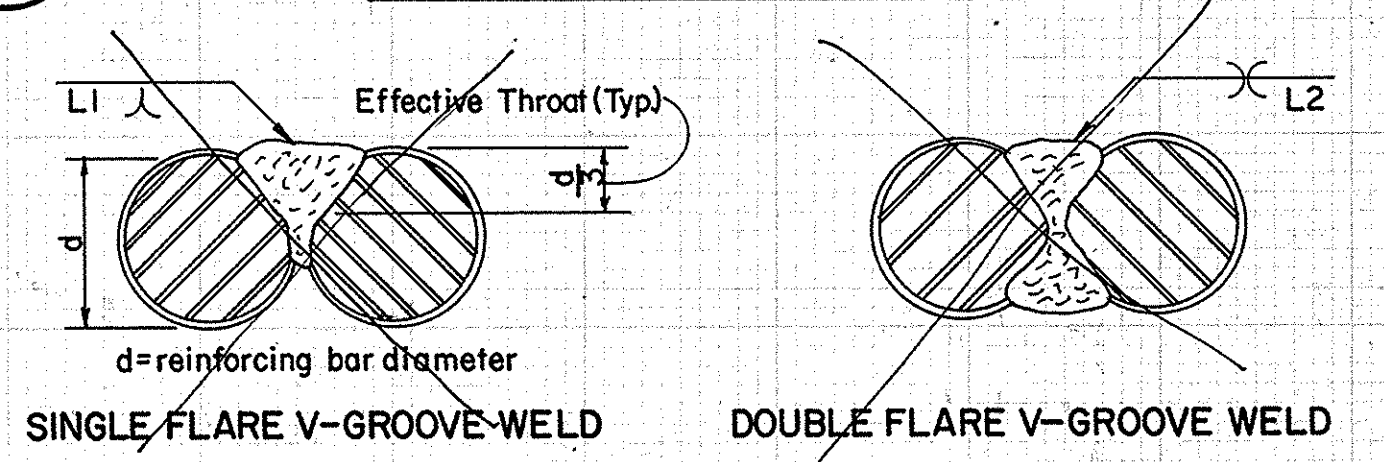
NORTHEAST WINGWALL ELEVATION
Not To Scale

- NOTES:**
- Cost Of 1" Sawcutting To Be Included In Cost For Item 580.01.
 - Prepared Concrete Surfaces Shall Be Coated With Epoxy Bonding Compound Item 15555.3502



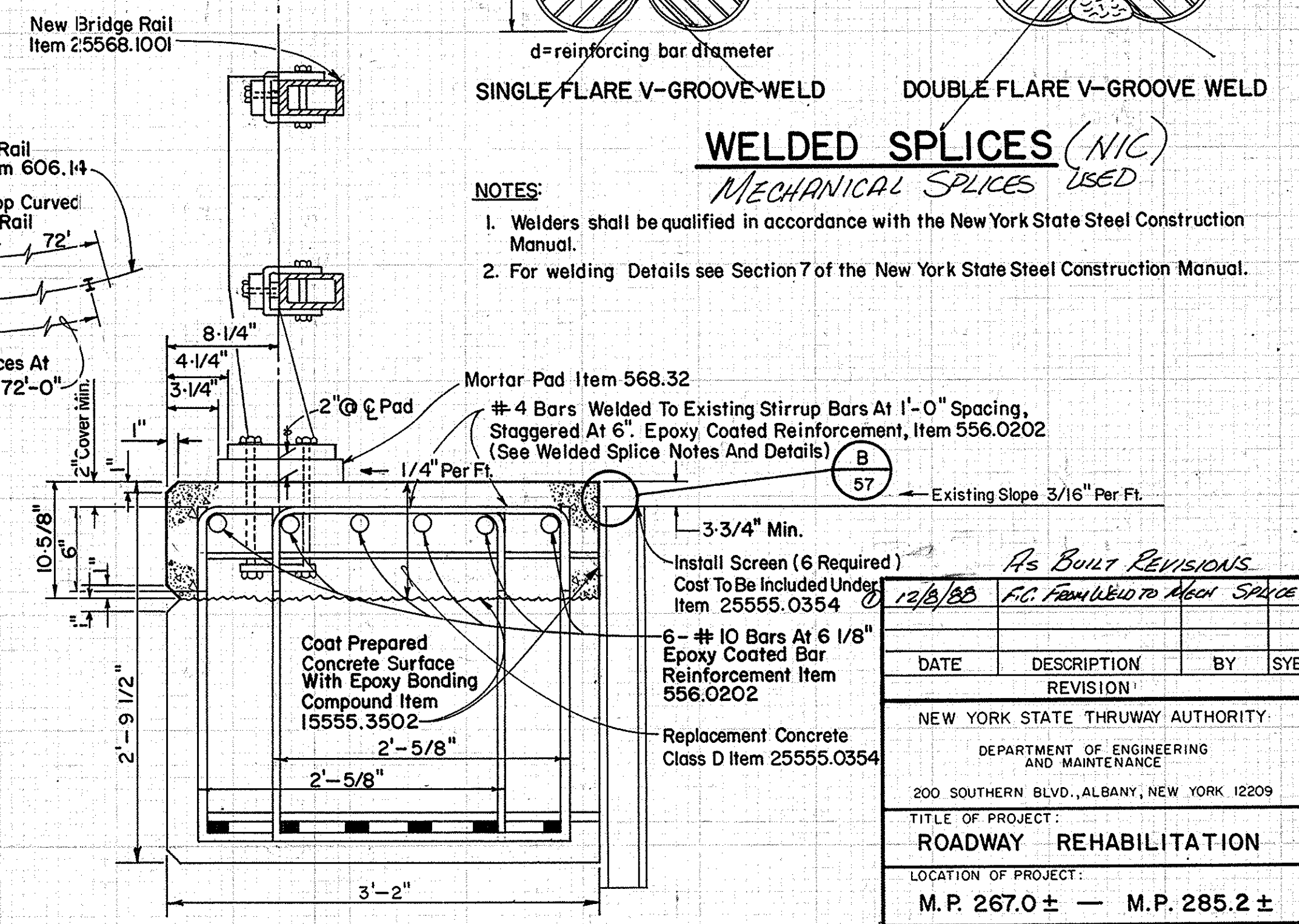
SECTION
Not To Scale

Minimum Weld Lengths		
Bar Size	Single Flare V-Groove Weld	Double Flare V-Groove Weld
4	3 1/2"	2"

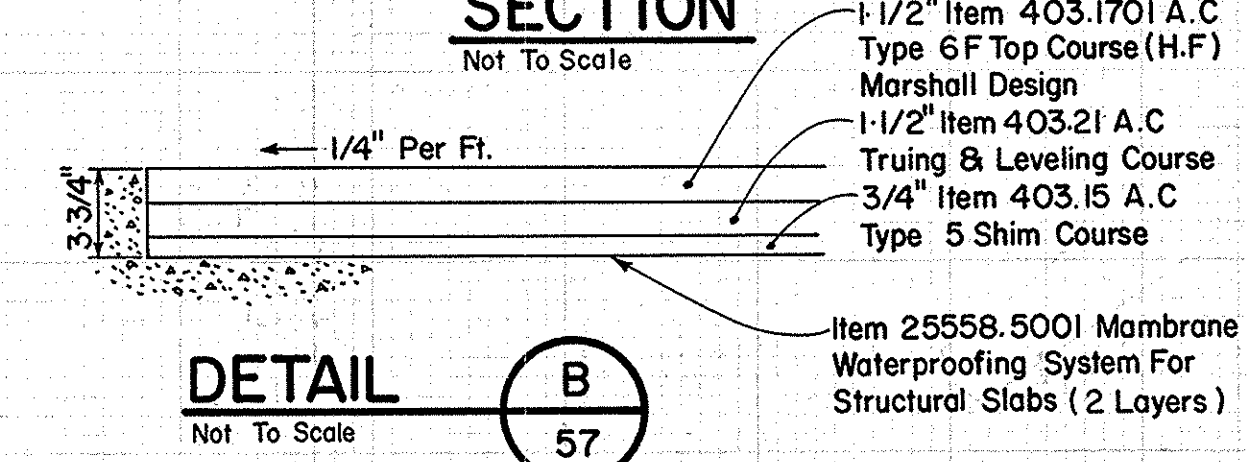


WELDED SPLICES (NIC)
MECHANICAL SPLICES USED

- NOTES:**
- Welders shall be qualified in accordance with the New York State Steel Construction Manual.
 - For welding Details see Section 7 of the New York State Steel Construction Manual.



PROPOSED FASCIA RECONSTRUCTION
Not To Scale



DETAIL
Not To Scale

As BUILT REVISIONS			
DATE	DESCRIPTION	BY	SYB
REVISION 1			
NEW YORK STATE THRUWAY AUTHORITY			
DEPARTMENT OF ENGINEERING AND MAINTENANCE			
200 SOUTHERN BLVD., ALBANY, NEW YORK 12209			
TITLE OF PROJECT: ROADWAY REHABILITATION			
LOCATION OF PROJECT: M.P. 267.0 ± — M.P. 285.2 ±			
TITLE OF DRAWING: LEY CREEK FASCIA RECONSTRUCTION DETAILS			
DRAWN BY: M.T. Scharf		CHECKED BY: W.R. Hopkins, Jr.	
DATE: November 25, 1987		DRAWING NO.: 57	
TAS 88-5			

FED. RD. REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
	NEW YORK			
CAPITAL PROJECT IDENTIFICATION NO.				

NOTES:

All railing is to be fabricated and erected so that the rails are parallel to each other and the posts are truly vertical.

The Base Plates shall be perpendicular to the post unless otherwise noted. When the railing is to be placed on a preformed surface, the Base Plate may be parallel to the grade or may be perpendicular to the post and made level by the use of (1:1 ratio cement to sand) mortar.

Tubular steel rails, rail clamp assemblies, nuts and washers, posts, post webs, if required, post spacers, base plates, railing joint assemblies and any necessary shims and mortar leveling course shall be paid for under the railing item.

Anchor studs, nuts, washers and anchor plates shall be paid for under the railing item.

After the anchor stud nuts have been placed and tightened to the satisfaction of the Engineer, the studs shall be flame cut off one (1) inch above the nut and the first thread above the nut shall be damaged, as ordered by the Engineer.

Rails shall span a minimum of 3 posts. If this is impossible, the absolute minimum shall be two posts with one of these posts being a special post.

Materials used in the manufacture of this railing shall conform to the requirements and/or specifications listed below:

Rail Tubes - ASTM Designation A500, Grade B, A36, A588, A441, or A572, Grade 50.

Rail Clamps - ASTM Designation A500, Grade B, A36, A588, A441, or A572, Grade 50.

Clamp Bolts and Nuts - ASTM Designation A325.

Rail Splices - ASTM Designation A588, A441, A36, or A572, Grade 50.

Tubular Rail Splices - ASTM Designation A500, Grade B.

Washers - ASTM Designation A307.

Splice Plates - ASTM Designation A36.

3/4" Post Plates - ASTM Designation A441, A588, or A572, Grade 50.

1" Post Plates - ASTM Designation A36.

Post Connection Plate - ASTM Designation A36 or A.I.S.I. Designation 1020.

Base Plates - Same as Post Plate material.

Splice Bolts, Nuts and Washers - ASTM Designation A307.

Anchor Studs - ASTM Designation A449.

Nuts and Washers for Anchor Studs - ASTM Designation A325.

Anchor Plates - ASTM Designation A36.

Post Web Plates (if required) - Same as Post Plate material.

Channel Rail Splices - ASTM Designation A36.

Galvanized Railing - All components of the railing including anchor studs, nuts, and washers shall be galvanized in accordance with Material Specification 719-01. Anchor Studs shall have a Class 2A thread fit prior to galvanizing. The cut portion of the anchor studs shall be repaired according to Material Specification 719-01.

All bolts shall have a Class 2A thread fit prior to galvanizing.

Grind all edges of Post Plates and Base Plates prior to galvanizing so that all sharp edges are removed.

Rail post shall be erected to proper line and grade before concrete under post is poured unless otherwise indicated on the Contract Plans.

Unless covered by other specifications, all dimensions related to the fabrication of the steel railing shall have a tolerance of $\pm 1/16"$.

If the end of the bolts connecting the clamp to the post connection plate bear against the tube when in the final position, additional plain washers shall be added to prevent the end of the bolt from bearing against the tube.

Other clamp steels may be used with the approval of the Deputy Chief Engineer (Structures).

All high-strength bolts shall be torqued snug tight (approximately 100 ft. lbs.).

The hole for the bolt connecting the tube and the clamp shall be located in the tube so that the tube will bear against the post plates when in final position.

The alternate handrail is for use when traffic railing system is used between pedestrian traffic and vehicular traffic.

NO AS-BUILT REVISIONS

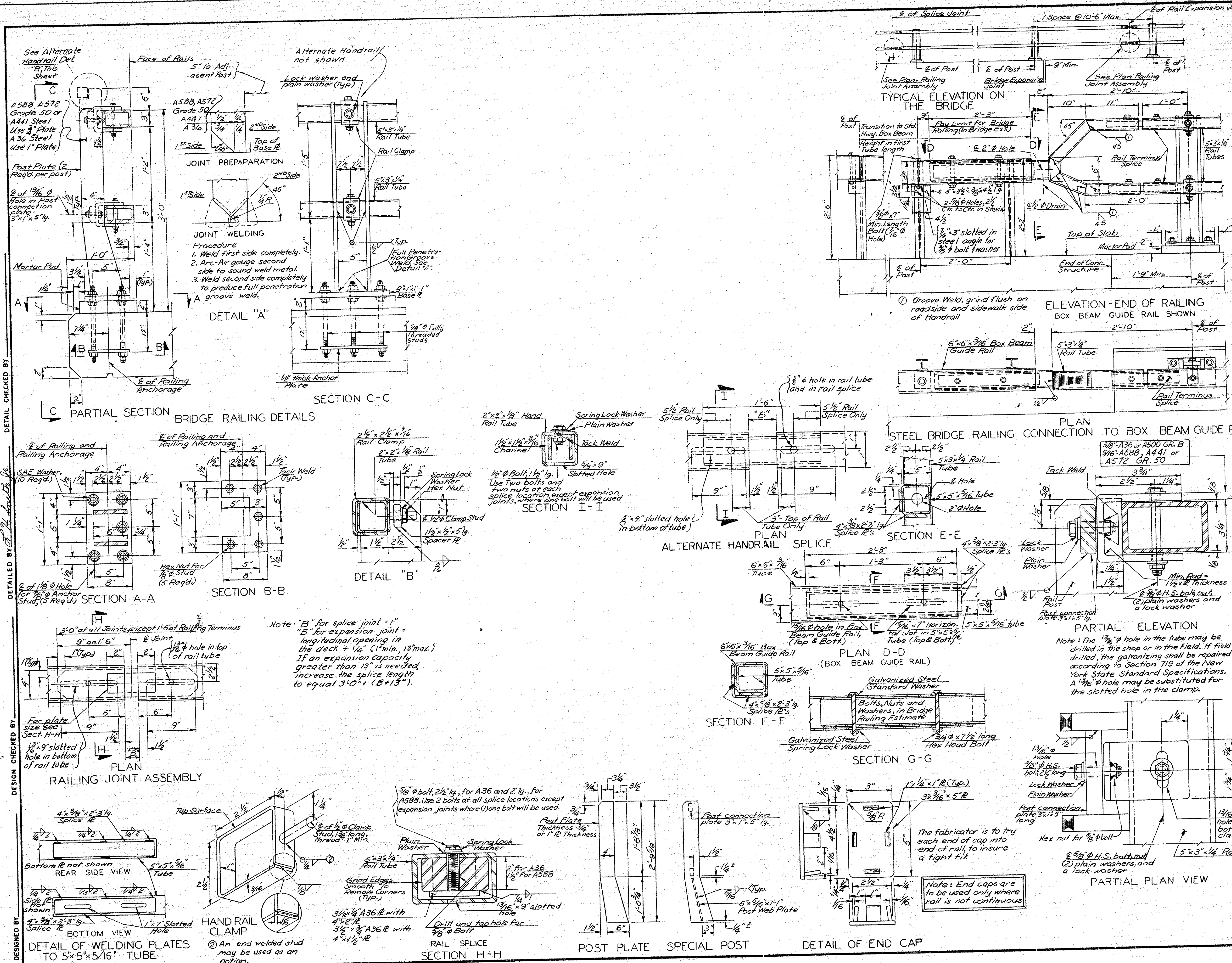
NEW YORK STATE THRUWAY AUTHORITY

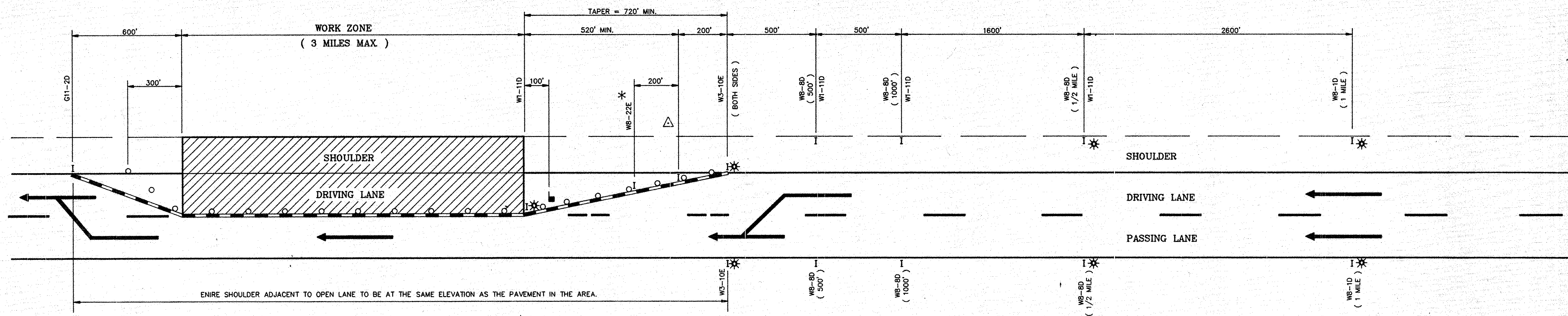
STEEL BRIDGE RAILING - TWO RAIL

(FOR USE ON CURBLESS BRIDGES ONLY)

DWG. NO. 58 TAS 88-5

BDD 80-51A





- LEGEND**
- EXISTING PAVEMENT MARKINGS (BROKEN OR SOLID)
 - - - REMOVAL OF EXISTING PAVEMENT MARKINGS. (SEE NOTE A)
 - - - TEMPORARY PAVEMENT MARKING FOR CONSTRUCTION (SEE NOTE A)
 - * USE ONLY WHEN FLAGGER IS ON DUTY
 - ☆ FLASHING LIGHTS (HIGH INTENSITY FOR NIGHT USE OR A.O.B.E.)
 - TRAFFIC CONES AT 40' INTERVALS ON TAPER, 80' ON TANGENT.
 - FLAGGER, TYPICAL LOCATION.
 - I SIGNS
 - △ FLASHING ARROWBOARD
 - DRUM

PLAN

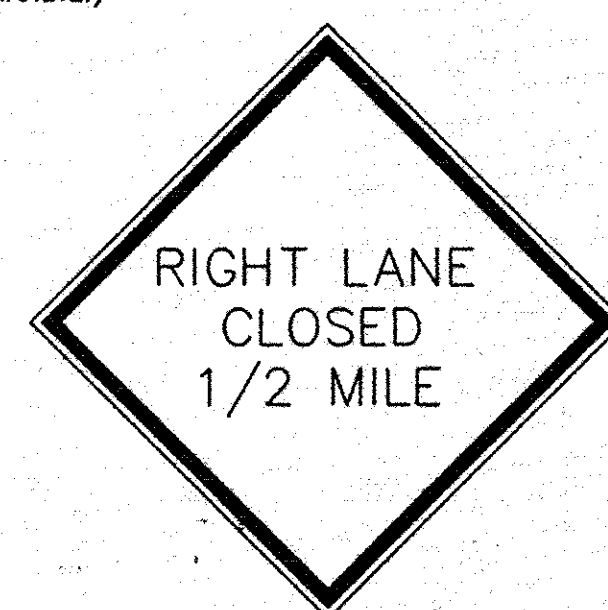
NOTE "A"

EXISTING PAVEMENT MARKINGS SHALL BE MAINTAINED BY THE CONTRACTOR WITHIN PROJECT LIMITS. IF CONTRACTOR'S OPERATIONS IN ANY WORK ZONE WILL EXCEED A PERIOD OF 2 WEEKS OR AS DIRECTED BY THE ENGINEER, CONTRACTOR SHALL COMPLETELY REMOVE PORTIONS OF EXISTING MARKINGS AND INSTALL TEMPORARY MARKINGS, AS DETAILED ABOVE. TEMPORARY MARKINGS SHALL BE IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.

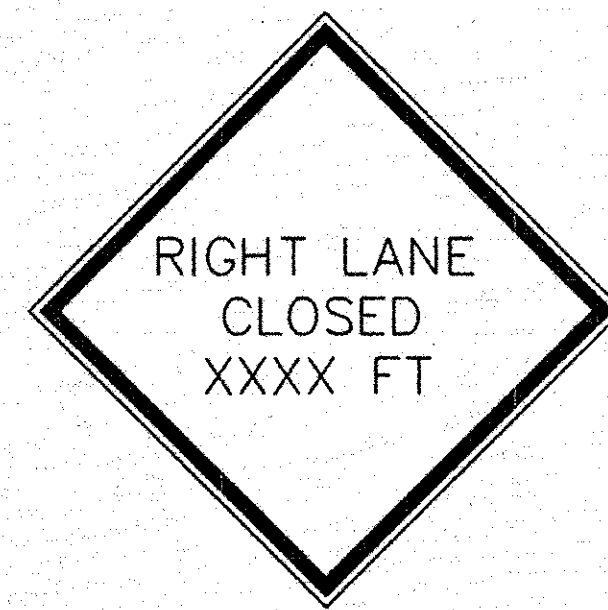
WHEN ALL WORK IS COMPLETED IN THE WORK ZONE, OR AS DIRECTED BY THE ENGINEER, THE CONTRACTOR SHALL REMOVE THE TEMPORARY MARKINGS AND RESTORE THE EXISTING MARKINGS.



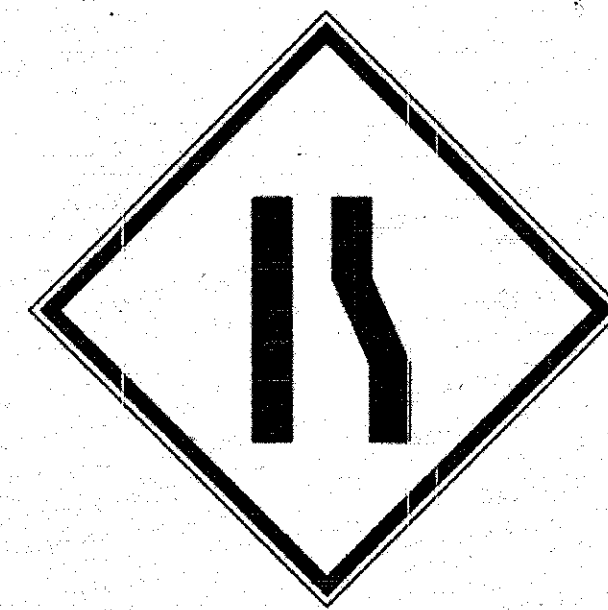
W8-1D
48" X 48"



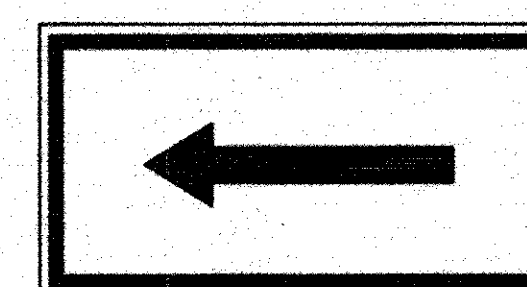
W8-8D
48" X 48"



W8-8D
48" x 48"



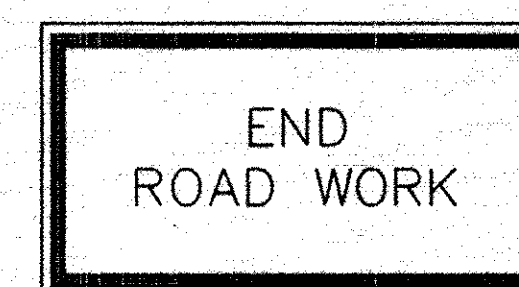
W3-10E
48" X 48"



W1-11D
48" X 24"



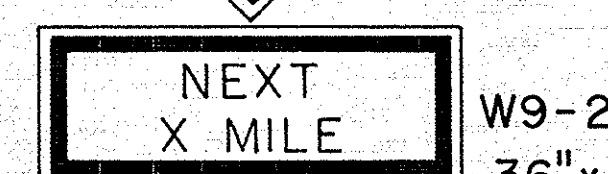
W8-22E*
48" X 48"



G11-2D
48" X 24"



W4-4E
48" x 48"



W9-2Y
36" x 24"

NOTES:
ALL SIGNS MAY ALSO BE FOUND IN THE NEW YORK STATE DEPT. OF TRANSPORTATION "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES", (LATEST EDITION). ALL "W" SERIES SIGNS SHALL BE BLACK ON ORANGE.

SIGN SUPPORTS SHALL BE SUCH AS TO RESIST OVERTURNING IN WINDS AND PROVIDE MINIMUM MOUNTING HEIGHT OF 5 FEET TO BOTTOM OF SIGN.

FLAGGER TO BE PROVIDED AND LOCATED IN THE PATTERN AS DIRECTED BY THE ENGINEER. WHEN USED, A W8-22E SIGN WILL BE PLACED NOT CLOSER THAN 500 FEET NOR FURTHER THAN 2,600 FEET AHEAD OF FLAGGER.

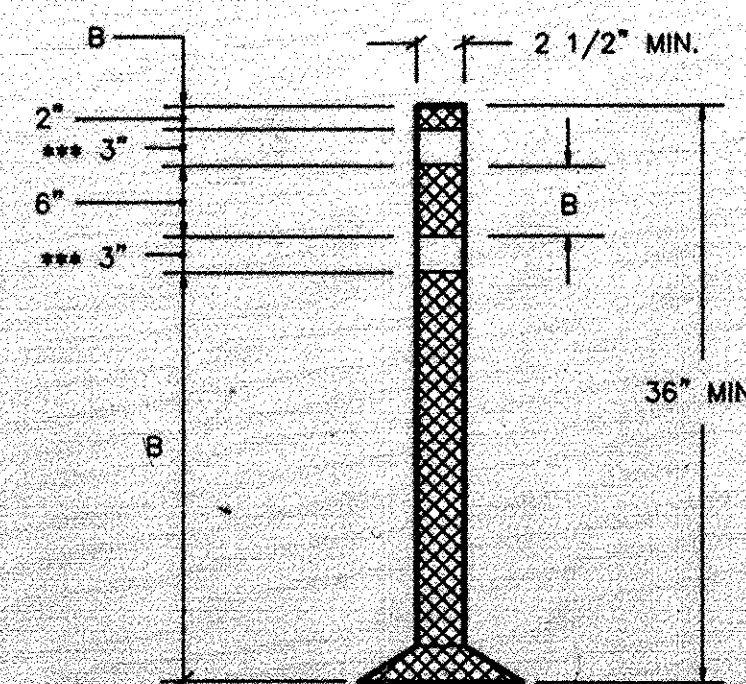
ALL FLASHING LIGHTS AS SHOWN ON THIS SHEET SHALL BE PLACED IN OPERATION FROM 1/2 HOUR AFTER SUNSET TO 1/2 HOUR BEFORE SUNRISE OR A.O.B.E.

THIS PLAN SHALL BE MODIFIED TO A LEFT LANE CLOSURE BY CHANGING THE ARROWS FROM W1-11D TO W1-12D, AND CHANGING THE W8-8D SIGNS TO W8-7D SIGNS AND THE W3-10E SIGNS TO W3-9E SIGNS.

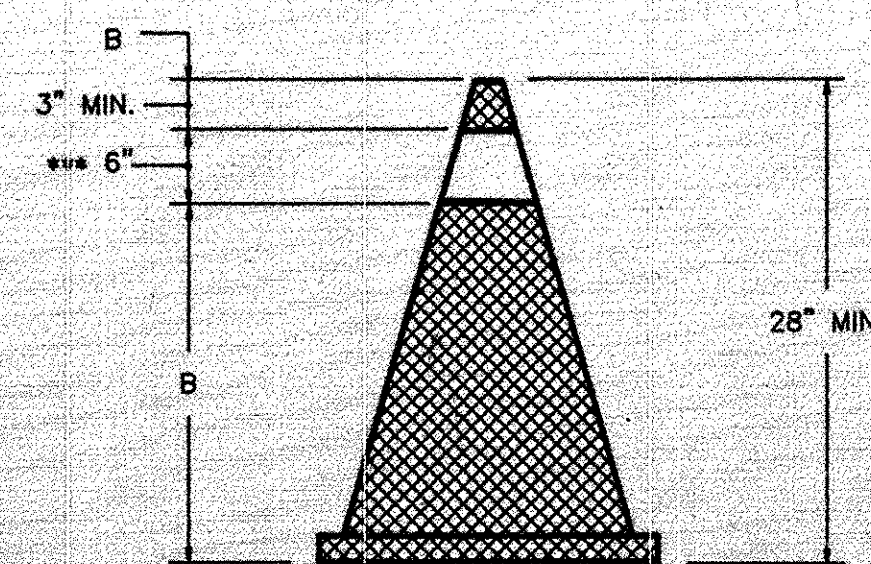
SIGNS SHALL BE PLACED AT OR AS NEAR AS PRACTICABLE TO THE LOCATIONS SHOWN. THE LOCATION OF THE TRAFFIC SIGNS AND CONES SHALL BE SUBJECT TO REVIEW BY THE DIVISION TRAFFIC SUPERVISOR BEFORE INSTALLATION FOR EXACT POSITIONING AND CONDITION.

ALL REFLECTORIZED SIGN BACKGROUNDS AND LEGENDS SHALL BE CLASS "B" REFLECTORIZED SHEETING.

FLASHING ARROWBOARD SHALL CONFORM TO SECTION 294.45 OF M.U.T.C.D. MINIMUM SIZE SHALL BE TYPE B 54" X 30" FULL ARROW FLASH ONLY. NO CHEVRONS NOR SEQUENTIAL ARROW FLASH WILL BE ALLOWED.

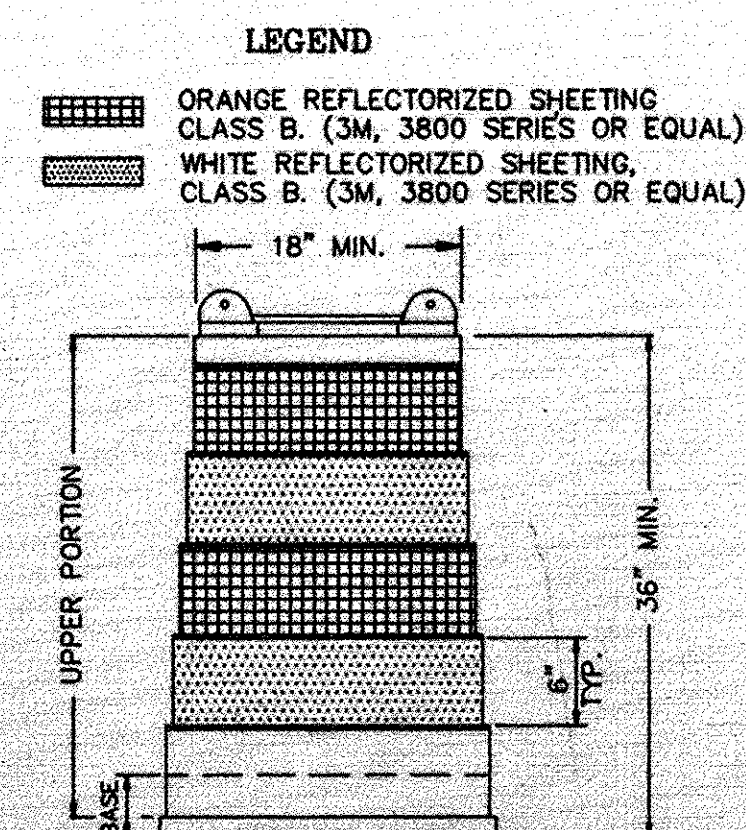


(OPTIONAL)



B = NON-REFLECTORIZED ORANGE
*** = REFLECTORIZED WHITE BAND OR COLLAR FOR NIGHT USE.

CONES



PLASTIC DRUM

LEGEND

ORANGE REFLECTORIZED SHEETING CLASS B. (3M, 3800 SERIES OR EQUAL)
WHITE REFLECTORIZED SHEETING, CLASS B. (3M, 3800 SERIES OR EQUAL)

NOTES "ROUGH ROAD" SIGNS (M.P. 278-284 ONLY)

- SIGNS TO BE PLACED ON BOTH SIDES OF WESTBOUND ROADWAY AT LOCATIONS SHOWN BELOW. SIGNS TO BE INSTALLED AFTER MILLING BUT PRIOR TO OPENING LANE FOR TRAFFIC TO RUN ON MILLED SURFACE.
- ENGINEER TO DETERMINE "X" DISTANCE ON AS-NEEDED BASIS TO REFLECT ACTUAL LENGTH OF ROUGH ROAD.
- SIGNS TO BE REMOVED IMMEDIATELY AFTER FIRST PAVING COURSE THAT COVERS MILLED SURFACE.
- SIGNS TO BE LOCATED AT FOLLOWING LOCATIONS A.O.B.E. AS WORK PROGRESSES.

STA	M.P.±
2572+00	277.96
2502+00	279.26
2291+00	283.30
2249+00	284.10*

* "W4-4E SIGN ONLY"

6/87

AS-BUILT REVISIONS

NO AS-BUILT REVISIONS

SIGNATURE _____ DATE _____

NEW YORK STATE THRUWAY AUTHORITY
DEPARTMENT OF ENGINEERING AND MAINTENANCE
200 SOUTHERN BLVD., ALBANY, N.Y. 12209

TITLE OF PROJECT
ROADWAY REHABILITATION

LOCATION OF PROJECT
M.P. 267.0 ± — M.P. 285.2 ±

TITLE OF DRAWING
TWO LANE THRUWAY TRAFFIC CONTROL PLAN

DRAWN BY: STD.
CHECKED BY: L.F.
DATE: 1/12/88
DRAWING NUMBER: 59

TAS 88-5