

NEW YORK AND ALBANY DIVISIONS
PLANS FOR THE
INSTALLATION OF PROTECTIVE SCREENING
ON 16 BRIDGES AT

M.P. 74.17	BIN 5515380	M.P. 104.04	BIN 5515600	M.P. 158.93	BIN 7513690
M.P. 78.65	BIN 5515400	M.P. 105.34	BIN 5515610	M.P. 161.04	BIN 5513720
M.P. 82.71	BIN 5515410	M.P. 123.69	BIN 1053550	M.P. 169.70	BIN 5515780
M.P. 95.27	BIN 5515540	M.P. 135.42	BIN 5513500	M.P. 175.12	BIN 5515840
M.P. 96.56	BIN 5515550	M.P. 136.70	BIN 5513520		
M.P. 103.16	BIN 5515590	M.P. 158.54	BIN 1004170		

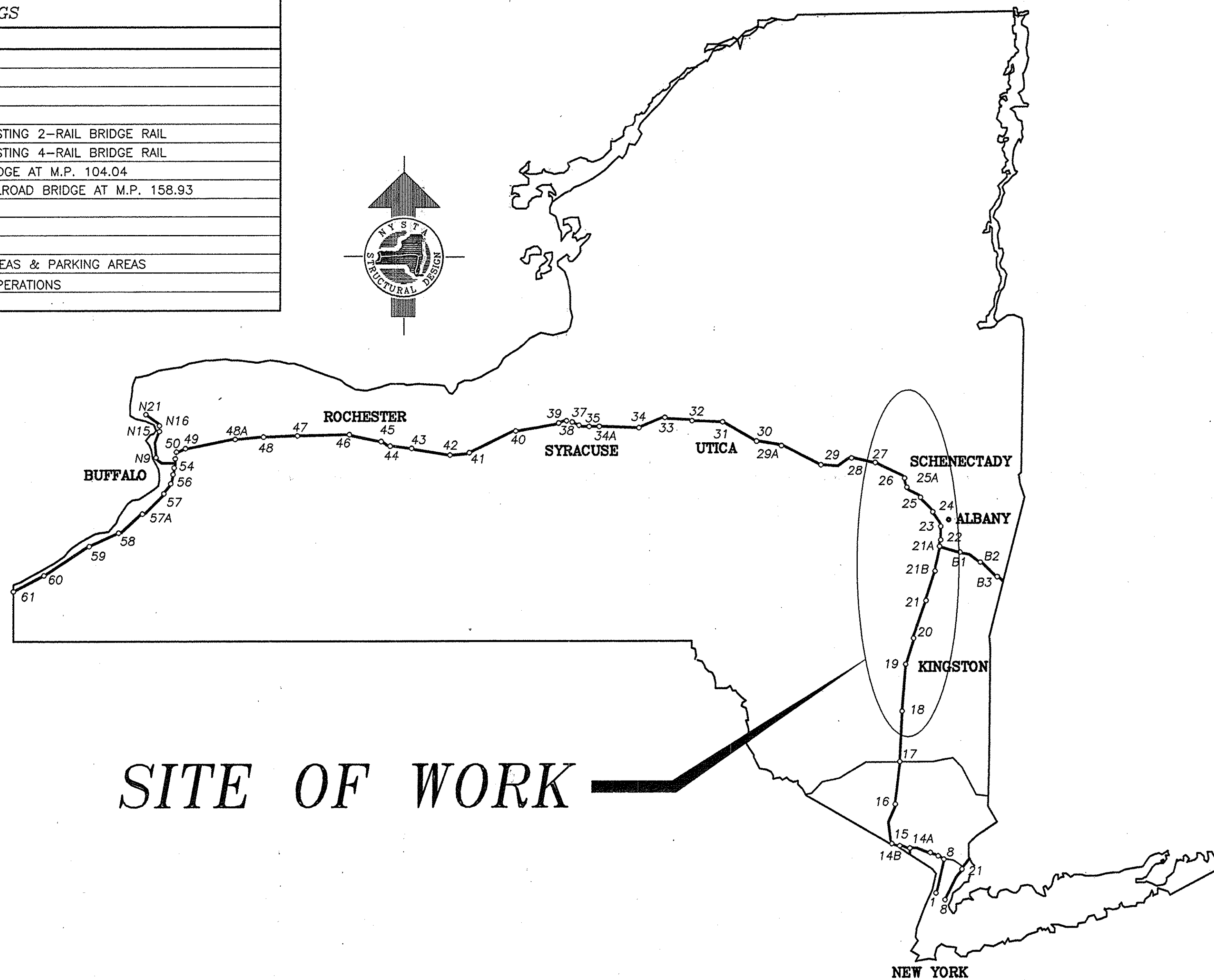
IN

ULSTER, GREENE, ALBANY, SCHENECTADY AND MONTGOMERY COUNTIES

13 SHEETS

TA 00-70F

INDEX OF DRAWINGS	
DWG. NO.	TITLE OF DRAWING
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TYPE OF CONSTRUCTION:

INSTALLATION OF PROTECTIVE SCREENING ON 16 BRIDGES.
PAINT BRIDGE RAILING ON 5 BRIDGES BEFORE INSTALLING
THE PROTECTIVE SCREENING.

STANDARD SHEETS:

NONE

ALL WORK CONTEMPLATED UNDER THIS CONTRACT IS TO BE GOVERNED BY
AND IN CONFORMANCE WITH THE NEW YORK STATE DEPARTMENT OF
TRANSPORTATIONS "STANDARD SPECIFICATIONS METRIC" ADOPTED JANUARY 2,
1995 INCLUDING ADDENDA NO. 1 AND NO. 2 EXCEPT AS MODIFIED IN
THESE PLANS AND BY THE PROPOSAL.

BRIDGE MAINTENANCE GUIDELINES

UPON COMPLETION OF THIS PROJECT, THE BRIDGE STRUCTURES REPAIRED,
REHABILITATED OR RECONSTRUCTED HEREUNDER SHALL BE MAINTAINED IN
ACCORDANCE WITH THE CURRENT AASHTO MANUAL FOR BRIDGE MAINTENANCE,
AND THE NEW YORK STATE THRUWAY AUTHORITY MAINTENANCE DIRECTIVES:
MD 98-3, "COMPREHENSIVE BRIDGE MANAGEMENT PROGRAM", MD 95-5,
"BRIDGE INSPECTION PROGRAM" AND MD 98-6, "BRIDGE MANAGEMENT
ACTIVITIES".

SPECIAL MAINTENANCE REQUIREMENTS: NONE

NOTES:

WARNING: IT IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW FOR
ANY PERSON UNLESS ACTING UNDER THE DIRECTION OF A LICENSED
PROFESSIONAL ENGINEER, TO ALTER AN ITEM ON THESE PLANS IN ANY
WAY. IF ALTERATIONS TO THESE PLANS ARE REQUIRED, THE ALTERATIONS
SHALL BE MADE IN ACCORDANCE WITH ARTICLE 145 - SUBSECTION 7209
OF THE NEW YORK STATE EDUCATION LAW.

SIGNATURES HEREON HAVE BEEN AFFIXED BY PERSONS ACTING IN
THEIR OFFICIAL CAPACITY AS INDICATED.

ALL PROTECTIVE SCREENING AND APPURTENANCES INSTALLED UNDER
THIS CONTRACT SHALL BE MAINTAINED BY THE NEW YORK STATE
DEPARTMENT OF TRANSPORTATION OR OTHERS AS LISTED BELOW.

MAINTENANCE BY THE NYS DOT

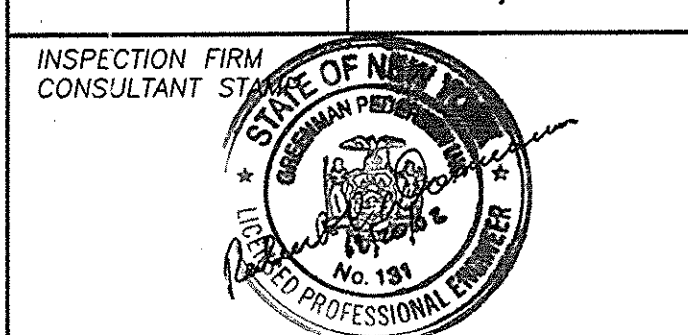
M.P. 123.69
M.P. 158.54

MAINTENANCE BY OTHERS

M.P. 74.17 - TOWN OF NEW PALTZ
M.P. 78.65 - TOWN OF NEW PALTZ
M.P. 82.71 - TOWN OF ROSENDALE
M.P. 95.27 - ULSTER COUNTY
M.P. 96.56 - TOWN OF ULSTER
M.P. 103.16 - ULSTER COUNTY
M.P. 104.04 - TOWN OF SAUGERTIES
M.P. 105.34 - TOWN OF SAUGERTIES
M.P. 135.42 - TOWN OF BETHLEHEM
M.P. 136.70 - TOWN OF BETHLEHEM
M.P. 158.93 - D AND H RAILROAD
M.P. 161.04 - SCHENECTADY COUNTY
M.P. 169.70 - MONTGOMERY COUNTY
M.P. 175.12 - MONTGOMERY COUNTY

CONTRACTOR'S NAME: ROGERS FENCE CO., INC.
AWARD DATE: MAY 1, 2001
COMPLETION DATE: NOV. 9, 2001
FINAL ACCEPTANCE DATE: FEB. 5, 2002
INSPECTION FIRM'S NAME: GREENMAN-PEDERSEN
RESIDENT ENG./EIC: BERNARD G. WILLIAMS
FINAL COST TOTAL: \$428,008.30

FISCAL SHARE	COST(S)
1	\$428,008.30



RECOMMENDED BY:

Christopher A. White
DIRECTOR, OFFICE OF FACILITIES DESIGN

8/31/00

DATE

RECOMMENDED BY:

H. Peter Nantais
DIRECTOR, OFFICE OF TRAFFIC ENGINEERING

8/31/00

DATE

RECOMMENDED BY:

[Signature]
DIRECTOR, OFFICE OF CONTRACTS AND CONSTRUCTION MANAGEMENT

8/31/00

DATE

RECOMMENDED BY:

[Signature]
DIRECTOR OF MAINTENANCE ENGINEERING

8/31/00

DATE

APPROVED BY:

[Signature]
DIRECTOR OF ENGINEERING SERVICES

8/31/00

DATE

GENERAL NOTES

GENERAL 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 CURRENT ADDITIONS AND MODIFICATIONS, EXCEPT AS MODIFIED BY THE NEW YORK STATE THRUWAY AUTHORITY STRUCTURES DESIGN MANUAL - SECOND EDITION.
2. MATERIAL AND CONSTRUCTION SPECIFICATIONS: STANDARD SPECIFICATIONS, CONSTRUCTION AND MATERIALS, NEW YORK STATE DEPARTMENT OF TRANSPORTATION, OFFICE OF ENGINEERING, DATED JANUARY 2, 1995 INCLUDING ADDENDA NOTED ON THE PROPOSAL COVER.
3. RECORD PLANS: RECORD PLANS COVERING PREVIOUS WORK WILL BE AVAILABLE FOR REVIEW BY ALL PROSPECTIVE BIDDERS AT THE AUTHORITY HEADQUARTERS IN ALBANY PRIOR TO THE LETTING DATE; REFER TO CONTRACTS CT 53-9, TA 90-76B, CT 53-10, FACT 50-1, TAA 93-10B, CT 48-1, TAA 81-2B, CT 52-7, D253419, CT 52-8P, TAA 87-1B, TAA 90-14B, D96243, MT 53-9, MT 53-3, TAA 92-40B, ST 52-23 AND TAA 91-2B.
4. THE CONTRACTOR WILL BE REQUIRED TO COORDINATE HIS WORK WITH OTHER CONTRACTORS AND AUTHORITY MAINTENANCE FORCES.

RECONSTRUCTION NOTES

5. THE CONTRACTOR SHALL EXAMINE AND VERIFY, IN THE FIELD, ALL CONDITIONS AND DIMENSIONS. DIMENSIONS OF THE EXISTING STRUCTURES SHOWN ON THESE PLANS ARE FOR GENERAL REFERENCE ONLY. THEY HAVE BEEN TAKEN FROM THE ORIGINAL CONSTRUCTION OR SUBSEQUENT REHABILITATION DRAWINGS AND ARE NOT GUARANTEED. THE CONTRACTOR SHALL TAKE ALL SUCH FIELD MEASUREMENTS TO ASSURE PROPER FIT OF THE FINISHED WORK, AND THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR THEIR ACCURACY. IF FIELD CONDITIONS AND DIMENSIONS DIFFER FROM THOSE SHOWN ON THE PLANS, THE CONTRACTOR SHALL USE THE FIELD CONDITIONS AND DIMENSIONS AND MAKE THE APPROPRIATE CHANGES TO THOSE SHOWN ON THE PLANS, AS APPROVED BY THE ENGINEER. WHEN SHOP DRAWINGS BASED ON FIELD MEASUREMENTS ARE SUBMITTED FOR APPROVAL, THE FIELD MEASUREMENTS MADE SHALL BE INDICATED ON THE SHOP DRAWINGS SUBMITTED FOR REFERENCE OF THE REVIEWER.
6. 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.
7. 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.
8. THE CONTRACTOR'S ATTENTION IS DIRECTED TO THAT 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.
9. THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR ALL DAMAGE TO THE EXISTING FACILITY CAUSED BY HIS OPERATIONS AND SHALL REPAIR ALL DAMAGE WITHOUT COST TO THE AUTHORITY, AND TO THE SATISFACTION OF THE ENGINEER.
10. 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.
11. 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 PRICES OF THE APPROPRIATE ITEMS.

SUPERSTRUCTURE NOTES

12. WELDING: WELDING SHALL CONFORM TO THE 1981 NEW YORK STATE STEEL CONSTRUCTION MANUAL, INCLUDING ALL ADDENDA UNLESS OTHERWISE NOTED.

MAINTENANCE AND PROTECTION OF TRAFFIC NOTES

13. MAINTENANCE AND PROTECTION OF TRAFFIC SHALL BE COMPLIED WITH THROUGHOUT THE LENGTH AND DURATION OF THE CONTRACT IN ACCORDANCE WITH "THE NEW YORK STATE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES" AND THE CONTRACT DOCUMENTS.
14. DISTANCES SHOWN ARE APPROXIMATE ONLY AND MAY BE REVISED BY THE ENGINEER-IN-CHARGE TO MEET FIELD CONDITIONS (DRIVEWAYS, HIGHWAY ALIGNMENT, ETC.).
15. THE SIGNING SHOWN IS A MINIMUM ONLY. ADDITIONAL SIGNING MAY BE REQUIRED TO MEET TRAFFIC AND/OR FIELD CONDITIONS.
16. DURING NON-WORKING HOURS, ALL CONSTRUCTION EQUIPMENT AND MATERIALS SHALL BE STORED AT LEAST 9.144 m FROM THE EDGE OF THE PAVEMENT OR BE BEYOND THE DEFLECTION DISTANCE OF A GUIDE RAIL SYSTEM APPROVED BY THE ENGINEER.
17. ALL PRIVATE VEHICLES SHALL BE PARKED OUTSIDE THE WORK ZONE AND OFF THE TRAVELED WAY, OR IN A SIMILAR MANNER AS DESCRIBED IN NOTE 16.

MISCELLANEOUS NOTES

18. THE CONTRACTOR SHALL REMOVE THE EXISTING SNOW FENCE MOUNTED TO THE BRIDGE RAIL AT M.P. 123.69 ROUTE 9W. ALL MATERIAL SHALL BE DELIVERED TO THE D.O.T. ALBANY RESIDENCY AT THE INTERSECTION OF RT. 155 & RT. 85A VOORHEESVILLE, NY 12186. CONTACT ROB SELLOVER AT (518) 765-2841 TO COORDINATE THE DELIVERY OF THE MATERIALS. GREENE RESIDENCY AT RTE. 23, CAIRO, NY 12413.
19. 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 SHEETS THEY ARE PLACED ON, ALSO SUPPLEMENT THE GENERAL NOTES LISTED HEREIN.
20. IT WILL BE THE CONTRACTOR'S OBLIGATION AND RESPONSIBILITY TO USE METHODS AND EQUIPMENT WHICH WILL INSURE THE SATISFACTORY COMPLETION OF THE REQUIRED WORK.
21. PROTECTION OF THE PUBLIC: THE CONTRACTOR SHALL MAINTAIN AND PROTECT AUTHORITY TRAFFIC IN ACCORDANCE WITH ITEM 619.01M, THE TRAFFIC CONTROL SHEETS AND PERTINENT PROVISIONS OF THE NEW YORK STATE MANUAL OF UNIFORM 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, 1995 INCLUDING CURRENT ADDITIONS AND MODIFICATIONS.
22. THE CONTRACTOR SHALL NOT PERFORM ANY WORK OVER THRUWAY TRAFFIC UNTIL THE E.I.C. IS SATISFIED THAT NO EQUIPMENT, TOOLS, MATERIALS OR DEBRIS CAN FALL TO THE ROADWAY BELOW. THE E.I.C. SHALL APPROVE ALL POSITIVE PROTECTION PROCEDURES TAKING PLACE OVER LIVE TRAFFIC BEFORE THE CONTRACTOR BEGINS WORK.

RAILROAD NOTES

23. SEE THE PROPOSAL FOR ADDITIONAL INFORMATION REQUIRED FOR THE CONTRACTORS "RAILROAD PROTECTIVE LIABILITY POLICY".
24. THE CONTRACTOR'S EQUIPMENT OR MATERIALS SHALL NOT BE STORED ON THE RAILROAD'S RIGHT-OF-WAY.

as-built
Revisions

ESTIMATE OF QUANTITIES

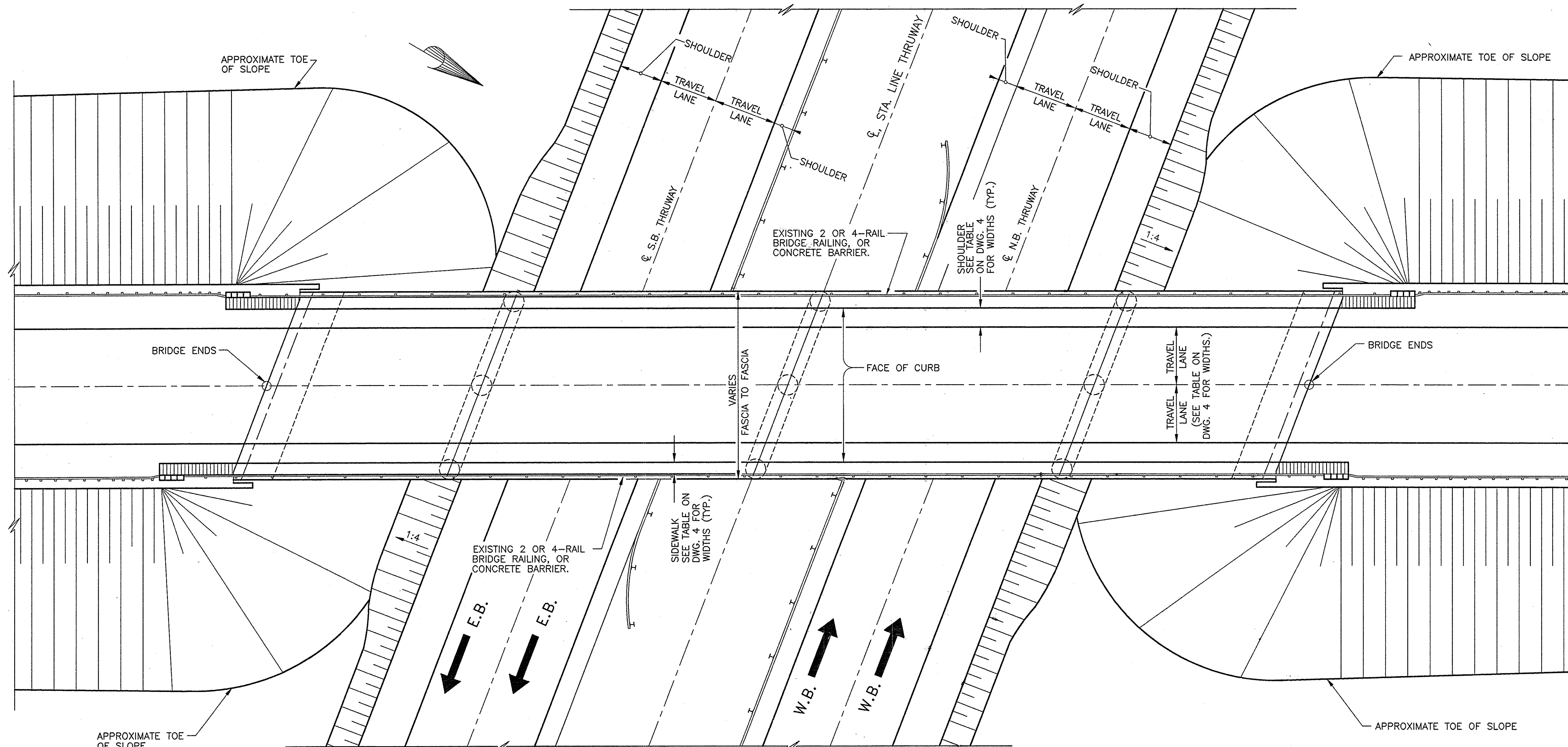
ITEM	DESCRIPTION	UNIT	ESTIMATE	FINAL
570.090101M	ENVIRONMENTAL GROUND PROTECTION	L.S.	NEC.	
570.090102M	ENVIRONMENTAL GROUND PROTECTION	L.S.	NEC.	
570.090103M	ENVIRONMENTAL GROUND PROTECTION	L.S.	NEC.	
570.090104M	ENVIRONMENTAL GROUND PROTECTION	L.S.	NEC.	
570.090105M	ENVIRONMENTAL GROUND PROTECTION	L.S.	NEC.	
25570.789101M	TREATMENT AND DISPOSAL OF PAINT REMOVAL WASTE	L.S.	NEC.	
25570.789102M	TREATMENT AND DISPOSAL OF PAINT REMOVAL WASTE	L.S.	NEC.	
25570.789103M	TREATMENT AND DISPOSAL OF PAINT REMOVAL WASTE	L.S.	NEC.	
25570.789104M	TREATMENT AND DISPOSAL OF PAINT REMOVAL WASTE	L.S.	NEC.	
25570.789105M	TREATMENT AND DISPOSAL OF PAINT REMOVAL WASTE	L.S.	NEC.	
25570.927501M	HAND AND POWER TOOL CLEAN AND REPAINT BRIDGE RAIL	L.S.	NEC.	
25570.927502M	HAND AND POWER TOOL CLEAN AND REPAINT BRIDGE RAIL	L.S.	NEC.	
25570.927503M	HAND AND POWER TOOL CLEAN AND REPAINT BRIDGE RAIL	L.S.	NEC.	
25570.927504M	HAND AND POWER TOOL CLEAN AND REPAINT BRIDGE RAIL	L.S.	NEC.	
25570.927505M	HAND AND POWER TOOL CLEAN AND REPAINT BRIDGE RAIL	L.S.	NEC.	
25607.0611M	PROTECT. SCREENING - BRIDGES	M	2352	2 3 58.52
25607.2536M	REMOVE AND STORE EXISTING SNOW FENCE	M	86	86
619.01M	BASIC MAINTENANCE & PROTECTION OF TRAFFIC	L.S.	NEC.	
619.02M	CONSTRUCTION SIGNS	L.S.	NEC.	
619.0303M	FLASHING ARROW BOARDS	L.S.	NEC.	
25697.01M	INTERIM PAYMENTS	D-C	0.0	
25699.04M	MOBILIZATION	L.S.	NEC.	

WORK TO BE DONE

1. INSTALL PROTECTIVE SCREENING ON SIXTEEN BRIDGES OVER THE THRUWAY AS NOTED.
2. HAND AND POWER TOOL CLEAN AND REPAINT BRIDGE RAIL ON FIVE BRIDGES PRIOR TO INSTALLING PROTECTIVE SCREENING.
3. REMOVE AND STORE EXISTING SNOW FENCE ON BRIDGE AT M.P. 123.69

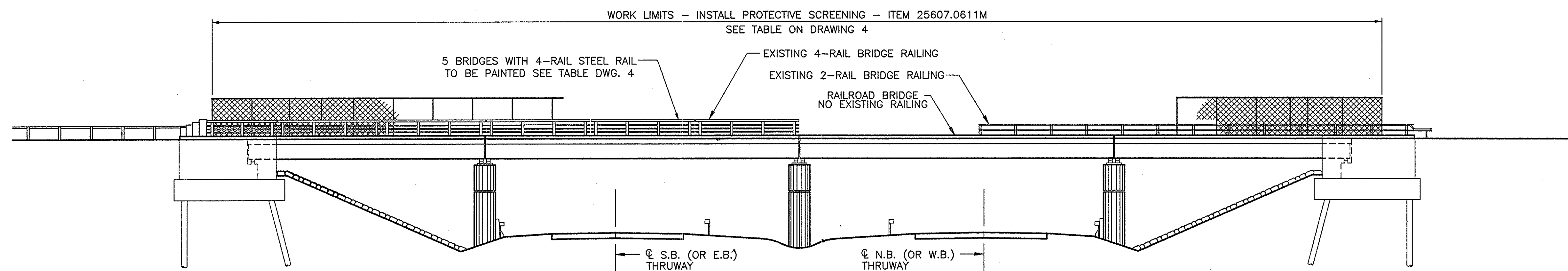


4/10/02	ADDRESS CHANGE	CM	AD
DATE	DESCRIPTION	BY	SYM.
REVISIONS			
NEW YORK STATE THRUWAY AUTHORITY DEPARTMENT OF ENGINEERING AND MAINTENANCE 200 SOUTHERN BLVD., ALBANY, N.Y. 12209			
TITLE OF PROJECT INSTALLATION OF PROTECTIVE SCREENING ON 16 BRIDGES OVER THE THRUWAY LOCATION OF PROJECT M.P. 74.17 TO M.P. 175.12			
TITLE OF DRAWING GENERAL NOTES AND ESTIMATE OF QUANTITIES			
		CONTRACT NUMBER:	TA 00-70F
		DATE:	10/00
		DRAWING NUMBER:	2R1

No as-built
Revisions

EXISTING TYPICAL PLAN

N.T.S.



EXISTING TYPICAL ELEVATION

N.T.S.

NOTE

THE CONTRACTOR SHALL REMOVE THE EXISTING SNOW FENCE MOUNTED TO THE BRIDGE RAIL AT M.P. 123.69 ROUTE 9W. ALL MATERIAL SHALL BE DELIVERED TO THE D.O.T. ALBANY RESIDENCY AT THE INTERSECTION OF RT. 155 & RT. 85A VOORHEESVILLE, NY 12186. GREENE RESIDENCY, ROUTE 23, CHICO, NY.

DATE	DESCRIPTION	BY	SYM.
REVISIONS			
NEW YORK STATE THRUWAY AUTHORITY DEPARTMENT OF ENGINEERING AND MAINTENANCE 200 SOUTHERN BLVD., ALBANY, N.Y. 12209			
TITLE OF PROJECT INSTALLATION OF PROTECTIVE SCREENING ON 16 BRIDGES OVER THE THRUWAY LOCATION OF PROJECT M.P. 74.17 TO M.P. 175.12			
TITLE OF DRAWING TYPICAL PLAN AND ELEVATION			
		CONTRACT NUMBER: TA 00-70F	
		DATE: 10/00	
		DRAWING NUMBER: 3	

CHECKED BY: *Paula Aspin*DRAFTED BY: *Michael A. L.*DESIGNED BY: *Michael A. L.*IN CHARGE OF: *Paula Aspin*

IN CHARGE OF: *Paul A. Adelman* DESIGNED BY: *Paul A. Adelman* DRAFTED BY: *Paul A. Adelman* CHECKED BY: *Paul A. Adelman* C:\FENCING\00704\TABLE.DWG

TABLE OF LANE, SHOULDER & SIDEWALK WIDTHS; LENGTHS OF EXISTING RAILING

CONTACT	B.I.N	M.P.	FEATURE	WIDTH OF LANES	WIDTH OF SIDEWALKS	CURB?	RAILING PAINT ITEMS	TYPE OF EXISTING RAILING	TOTAL LENGTH (METERS)	LOCATION OF EXPANSION BEARINGS
TOWN OF NEW PALTZ	5515380	74.17	BROOKSIDE ROAD	3.962 m	1.067 m	Y	NONE	OLD 4-RAIL STEEL RAILING	135	BOTH ABUTMENTS PIERS 1 & 2
TOWN OF NEW PALTZ	5515400	78.65	HORSENDEN ROAD	Δ 3.962 ~~3.658~~ m	1.067 m	Y	NONE	OLD 4-RAIL STEEL RAILING	202	PIERS 1, 3 & 5
TOWN OF ROSENDALE	5515410	82.71	GRIST MILL ROAD	Δ 3.962 ~~3.658~~ m	1.067 m	Y	NONE	OLD 4-RAIL STEEL RAILING	130	PIERS 1, 2 & 3
ULSTER COUNTY	5515540	95.27	SAWKILL RUBY ROAD C.R. 90	3.658 m	1.067 m	Y	570.090101M 25570.789101M 25570.927502M	OLD 4-RAIL STEEL RAILING	177	PIERS 1 & 3
TOWN OF ULSTER	5515550	96.56	SHEEHAN LANE	Δ 3.962 ~~3.658~~ m	1.067 m	Y	NONE	OLD 4-RAIL STEEL RAILING W/ THRIE BEAM	141	WEST ABUTMENT PIERS 1 & 3
ULSTER COUNTY	5515590	103.16	MALDEN ROAD C.R. 89	4.267 m	1.067 m	Y	570.090101M 25570.789101M 25570.927502M	OLD 4-RAIL STEEL RAILING	132	BOTH ABUTMENTS PIERS 1 & 3
TOWN OF SAUGERTIES	5515600	104.04	LAUREN TICE ROAD	3.658 m	1.067 m	Y	570.090101M 25570.789101M 25570.927502M	OLD 4-RAIL STEEL RAILING	129	BOTH ABUTMENTS PIERS 1 & 3
TOWN OF SAUGERTIES	5515610	105.34	WEST CAMP ROAD	3.658 m	1.067 m	Y	570.090101M 25570.789101M 25570.927502M	OLD 4-RAIL STEEL RAILING	129	BOTH ABUTMENTS PIERS 1 & 3
NEW YORK STATE	1053550	123.69	COXSACKIE-RAVENA RT. 9W	Δ 3.353 ~~7.010~~ m	NONE	N	NONE	2-RAIL STEEL RAILING W/ SNOW FENCE	Δ 192 ~~483~~	PIERS 1 & 3
TOWN OF BETHLEHEM	5513500	135.42	BEAVER DAM ROAD	3.353 m	NONE	N	NONE	2-RAIL STEEL RAILING	144	PIERS 1 & 3
TOWN OF BETHLEHEM	5513520	136.70	CLAPPER ROAD	3.962 m	NONE	N	NONE	2-RAIL STEEL RAILING	Δ 134 ~~425~~	PIERS 1 & 3
NEW YORK STATE	1004170	158.54	SCHENECTADY - DUANESBURG RD. RT.-7	4.267 m	NONE	Y	NONE	2-RAIL STEEL RAILING	153	BOTH ABUTMENTS
D & H RAILROAD	7513690	158.93	D & H RAILROAD	NA	NONE	N	NONE	NO RAILING	144	BOTH ABUTMENTS AND PIER 2
SCHENECTADY COUNTY	5513720	161.04	GORDON ROAD C.R. 32R	4.267 m	NONE	N	NONE	2-RAIL STEEL RAILING	147	PIERS 1, 2 & 3
MONTGOMERY COUNTY	5515780	169.70	BULLS HEAD ROAD C.R. 23	4.267 m	NONE	N	NONE	2-RAIL STEEL RAILING	Δ 142 ~~422~~	PIERS 1 & 3
MONTGOMERY COUNTY	5515840	175.12	SNOOKS CORNERS RD C.R. 22	3.658 m	1.067 m	Y	570.090101M 25570.789101M 25570.927502M	OLD 4-RAIL STEEL RAILING	159	EAST ABUTMENT PIERS 1, 2 & 3

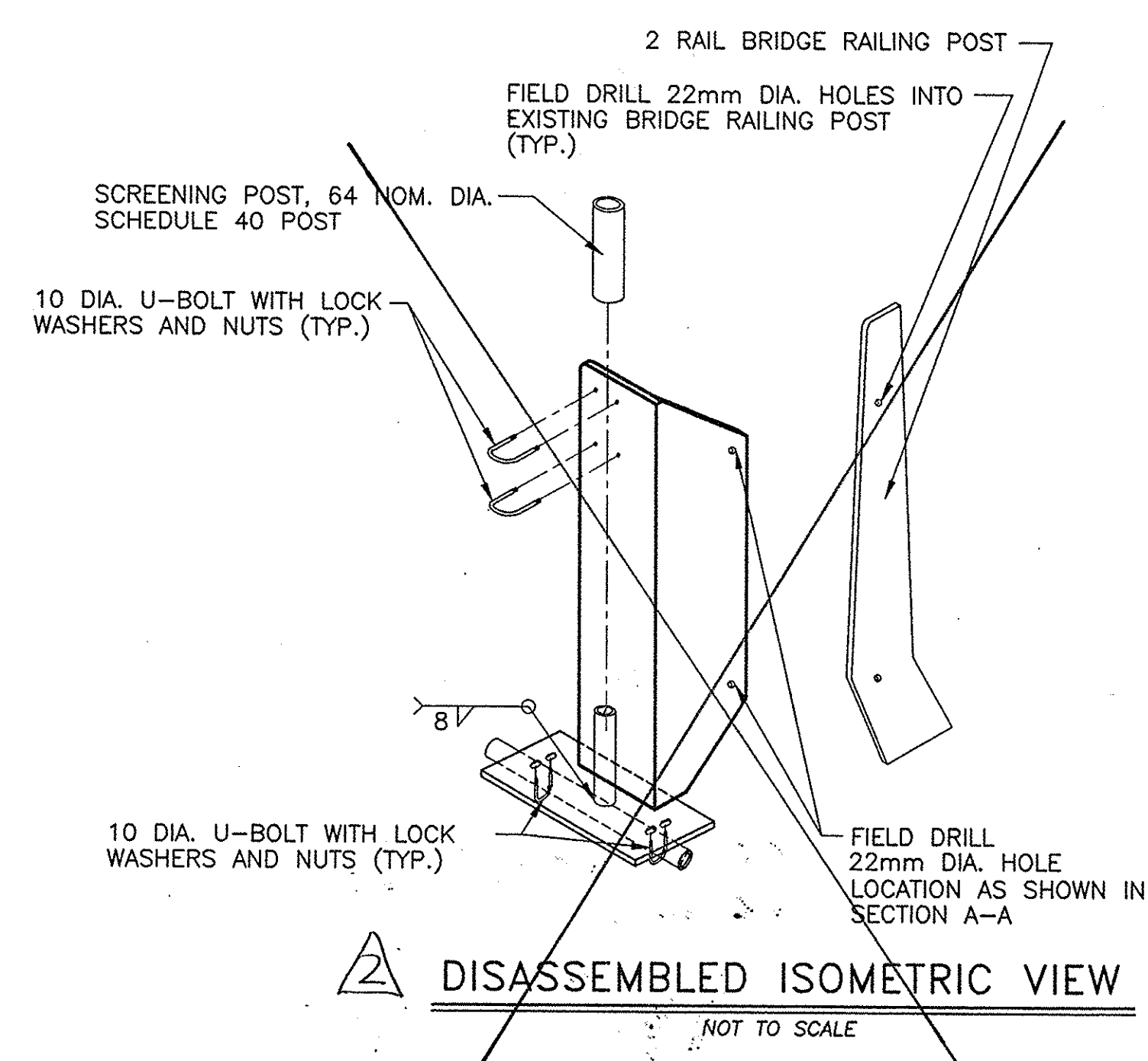
NOTES

- INFORMATION SHOWN IN TABLE IS FROM RECORD PLANS. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CHANGE IF NECESSARY.
- THE BRIDGE AT M.P. 96.56 HAS A THRIE-BEAM UPGRADE ATTACHED TO THE FOUR-RAIL BRIDGE RAILING. THE CONTRACTOR SHALL VERIFY THAT THE EXISTING THRIE-BEAM BOLTS WILL NOT INTERFERE WITH THE INSTALLATION OF THE PROTECTIVE SCREENING BEFORE ORDERING THE MATERIALS. ADJUSTMENTS TO THE SIZE OF THE NEW BASEPLATES MAY BE NECESSARY.
- THE CONTRACTOR SHALL REMOVE THE EXISTING SNOW FENCE MOUNTED TO THE BRIDGE RAIL AT M.P. 123.69 ROUTE 9W. ALL MATERIAL SHALL BE DELIVERED TO THE D.O.T. ALBANY RESIDENCY AT THE INTERSECTION OF RT. 155 & RT. 85A VOORHEESVILLE, NY 12186 GREENE RESIDENCY, AT ROUTE 23, CAIRO, NY 12113.

as-built
Revisions



4/02	ADDRESS CHANGE	CM	Δ
11/01	FIELD MEASUREMENT CGW	CM	Δ
DATE	DESCRIPTION	BY	SYM.
REVISIONS			
NEW YORK STATE THRUWAY AUTHORITY DEPARTMENT OF ENGINEERING AND MAINTENANCE 200 SOUTHERN BLVD., ALBANY, N.Y. 12209			
TITLE OF PROJECT INSTALLATION OF PROTECTIVE SCREENING ON 16 BRIDGES OVER THE THRUWAY			
LOCATION OF PROJECT M.P. 74.17 TO M.P. 175.12			
TITLE OF DRAWING TABLE OF EXISTING BRIDGE RAILING			
		CONTRACT NUMBER: TA 00-70F	
		DATE: 10/00	
		DRAWING NUMBER: 4R1	



~~DISASSEMBLED ISOMETRIC VIEW~~

~~NOT TO SCALE~~

2.438 m

ALL POST STRAIGHT

L 152 X 152 X 9.5 X 760mm LONG

30 MIN. (TYP.)

22mm DIA. HOLE (TYP.)

SEE NOTE ③

140 (TYP.)

45°

25 Min.

M20 x 60mm LONG A325 BOLT WITH SPRING LOCK WASHERS, NUTS & FLAT WASHERS. AFTER NUT IS TIGHT THE BOLT THREADS SHALL BE DAMAGED A.O.B.E.

30 MIN. (TYP.)

13

D

B

B

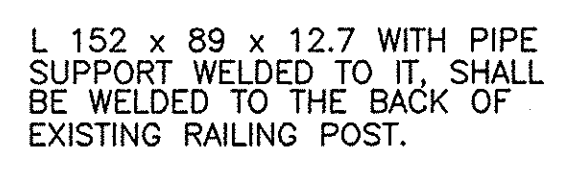
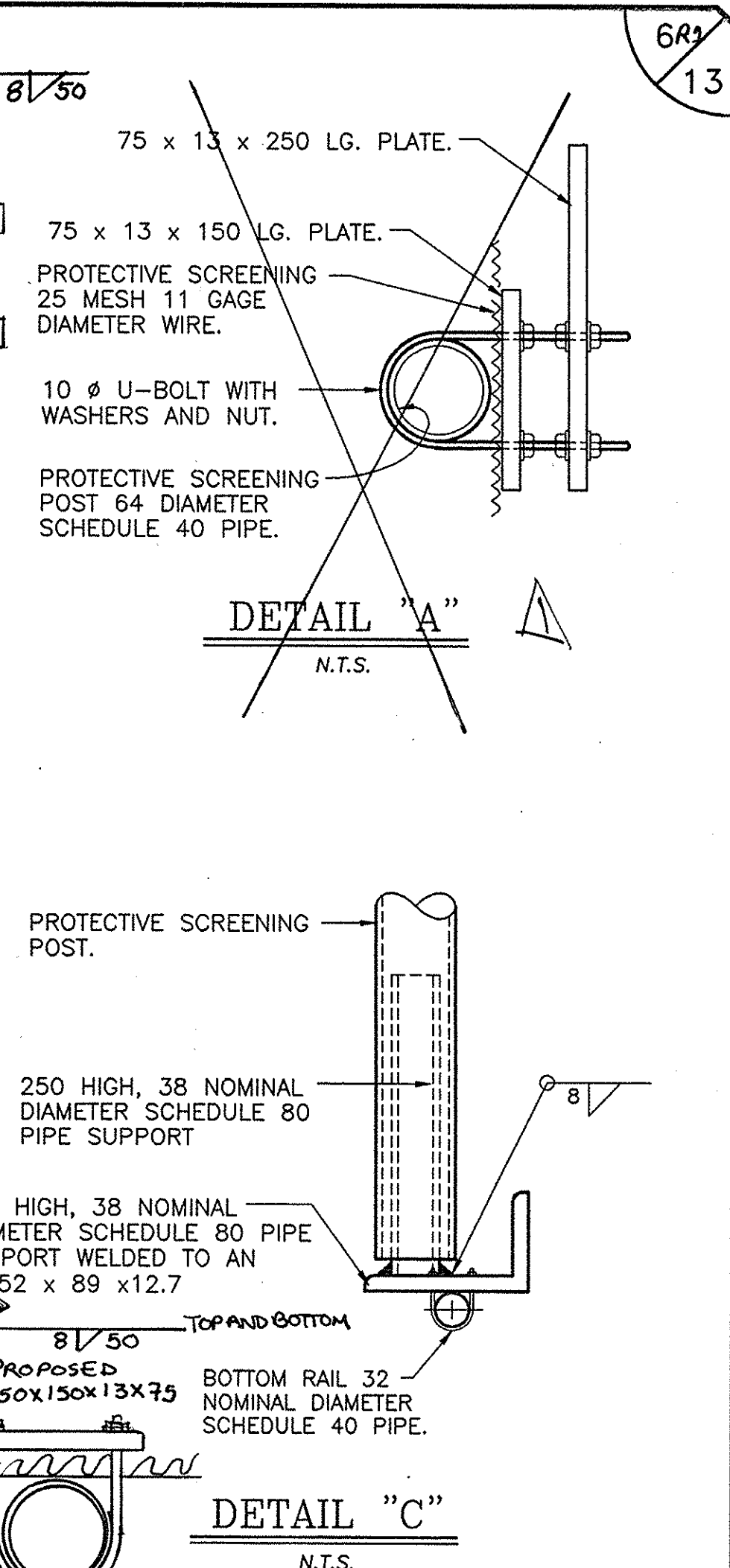
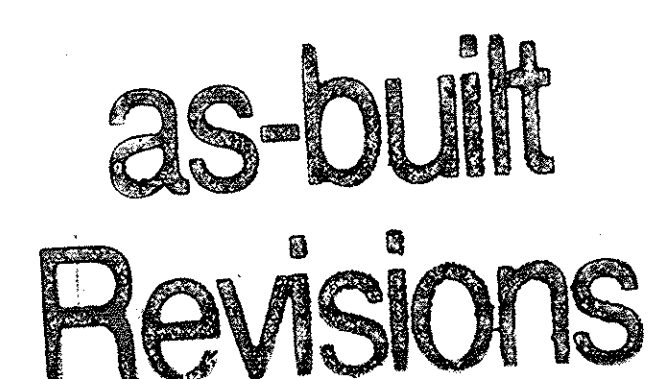
3 NOTE:
FOR BOTTOM RAIL CONNECTION, SEE
VIEW B-B AND TYPICAL ELEVATION
ON DRAWING NUMBER 7.

NOTES:

1. ALL WORK SHOWN ON THIS DRAWING SHALL BE PAID FOR UNDER ITEM 25607.0611M UNLESS OTHERWISE SHOWN
2. AFTER NUTS HAVE BEEN TIGHTENED BOLT THREADS SHALL BE DAMAGED A.O.B.E.
3. ALL WELDS SHALL BE MADE PRIOR TO GALVANIZING, UNLESS NOTED OTHERWISE.
4. THE FENCING POSTS SHALL BE PLACED VERTICAL AT EACH RAILING POST.
5. THE FENCING POSTS SPACING SHALL BE 3.2m MAXIMUM.

NOTE: ALL DIMENSIONS ARE SHOWN IN MILLIMETERS
UNLESS OTHERWISE NOTED ALL ELEVATIONS ARE
SHOWN IN METERS.

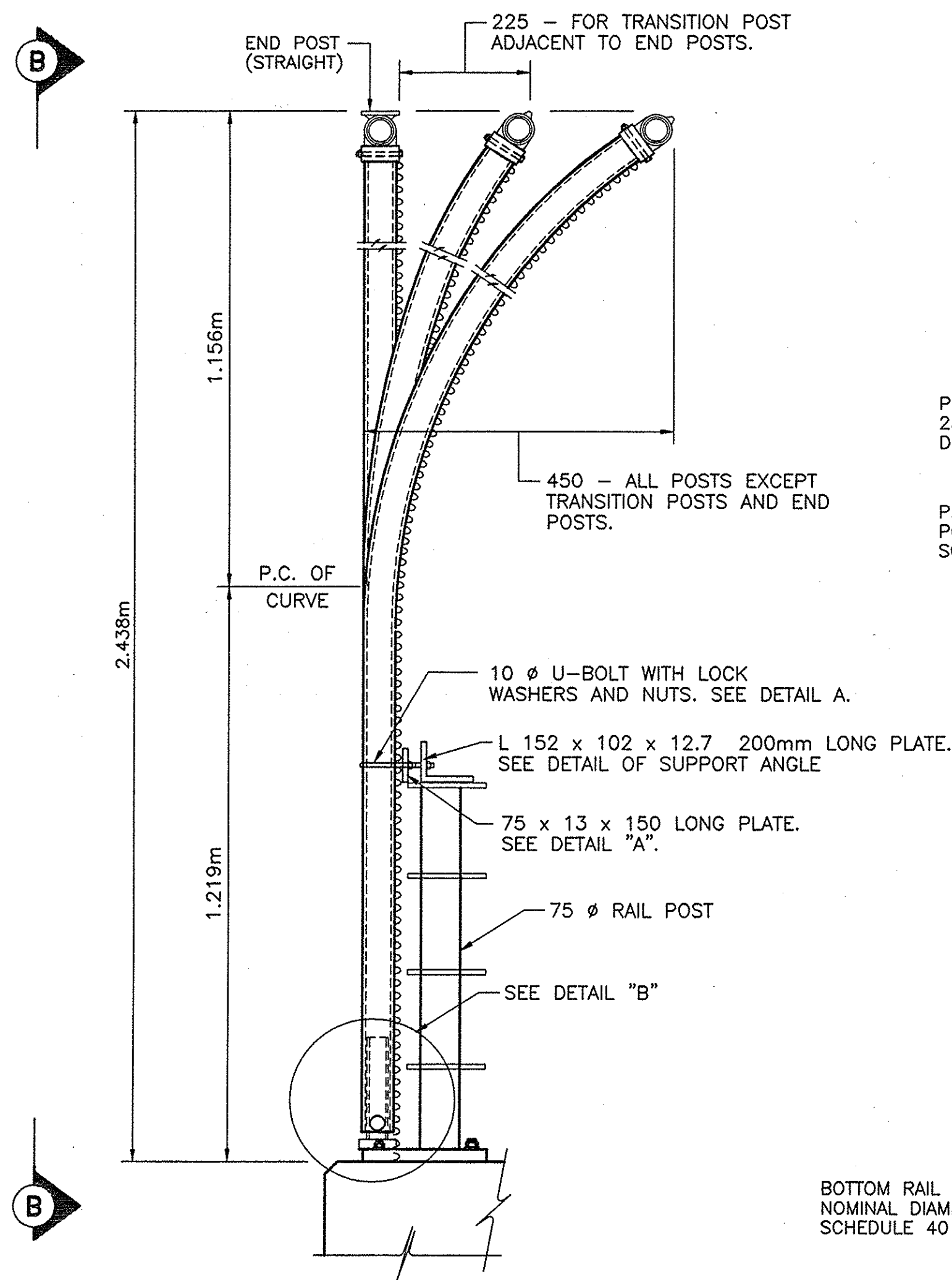
7/6/01	NOTE	CM	
11/9/01	SUPERSEDED ITEM	CM	
7/6/01	BACKET SUBSTITUTION	CM	
DATE	DESCRIPTION	BY	SYM.
REVISIONS			
NEW YORK STATE THRUWAY AUTHORITY DEPARTMENT OF ENGINEERING AND MAINTENANCE 200 SOUTHERN BLVD., ALBANY, N.Y. 12209			
TITLE OF PROJECT INSTALLATION OF PROTECTIVE SCREENING ON 16 BRIDGES OVER THE THRUWAY			
LOCATION OF PROJECT M.P. 74.17 TO M.P. 175.12			
TITLE OF DRAWING PROTECTIVE SCREENING ON 2-RAIL STEEL BRIDGE RAIL			
		CONTRACT NUMBER: TA 00-70F	
		DATE: 10/00	
		DRAWING NUMBER: 5R1	



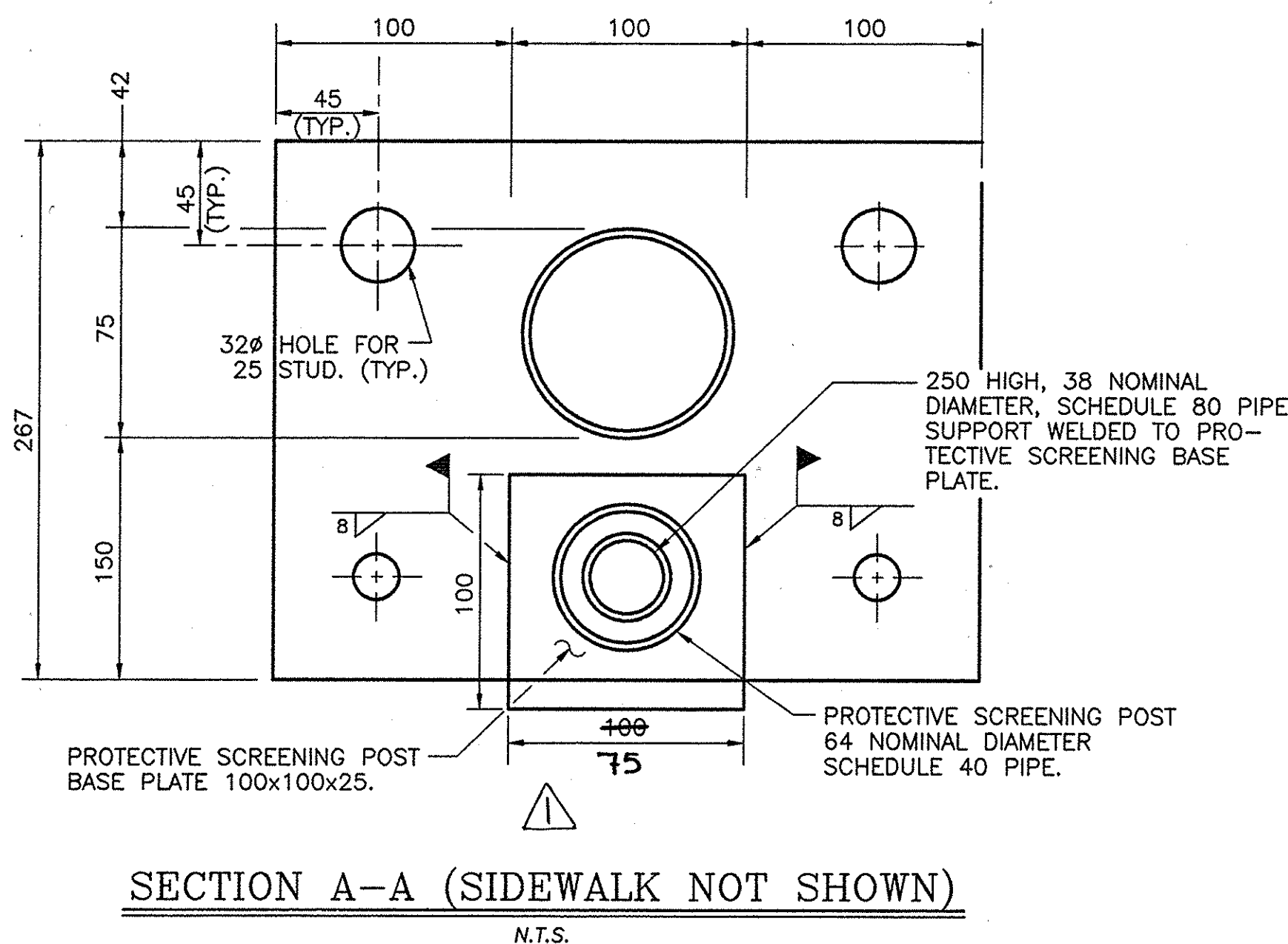
- USE 2 BOLTS AT ALL SPLICE-
LOCATIONS EXCEPT EXPANSION
JOINTS. WHERE 1 BOLT SHALL
BE USED.

CONTRACT NUMBER:	TA 00-70F
DATE:	10/00
DRAWING NUMBER:	CR1

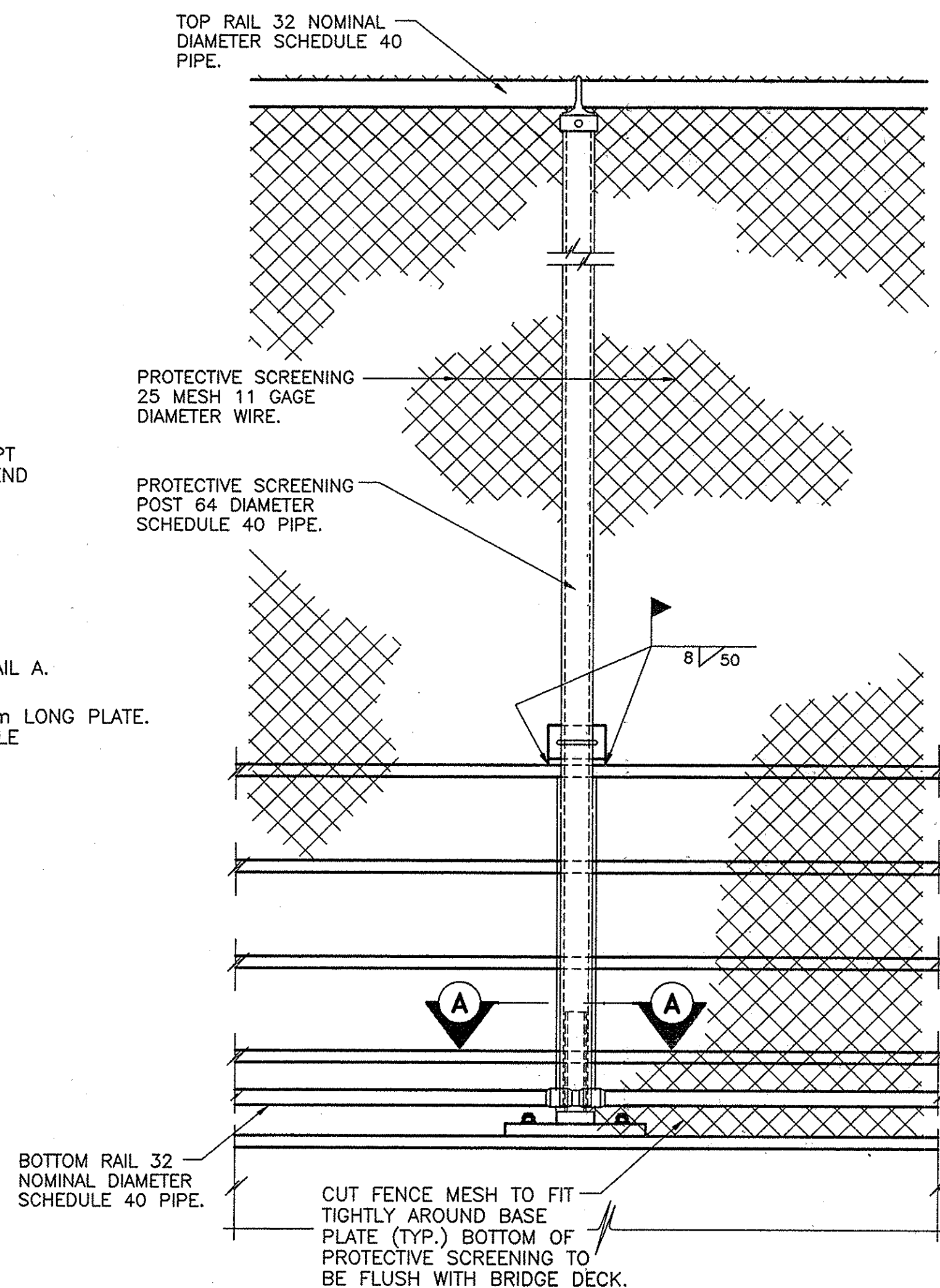
IN CHARGE OF: *Russ Carter* CHECKED BY: *Russ Carter* DRAFTED BY: *Michael* DESIGNED BY: *Russ Carter* G:\FENCING\00701\LAURENCE-RAIL



TYPICAL SECTION
PROT. SCREENING 4-RAIL STEEL RAIL
N.T.S.



SECTION A-A (SIDEWALK NOT SHOWN)
N.T.S.

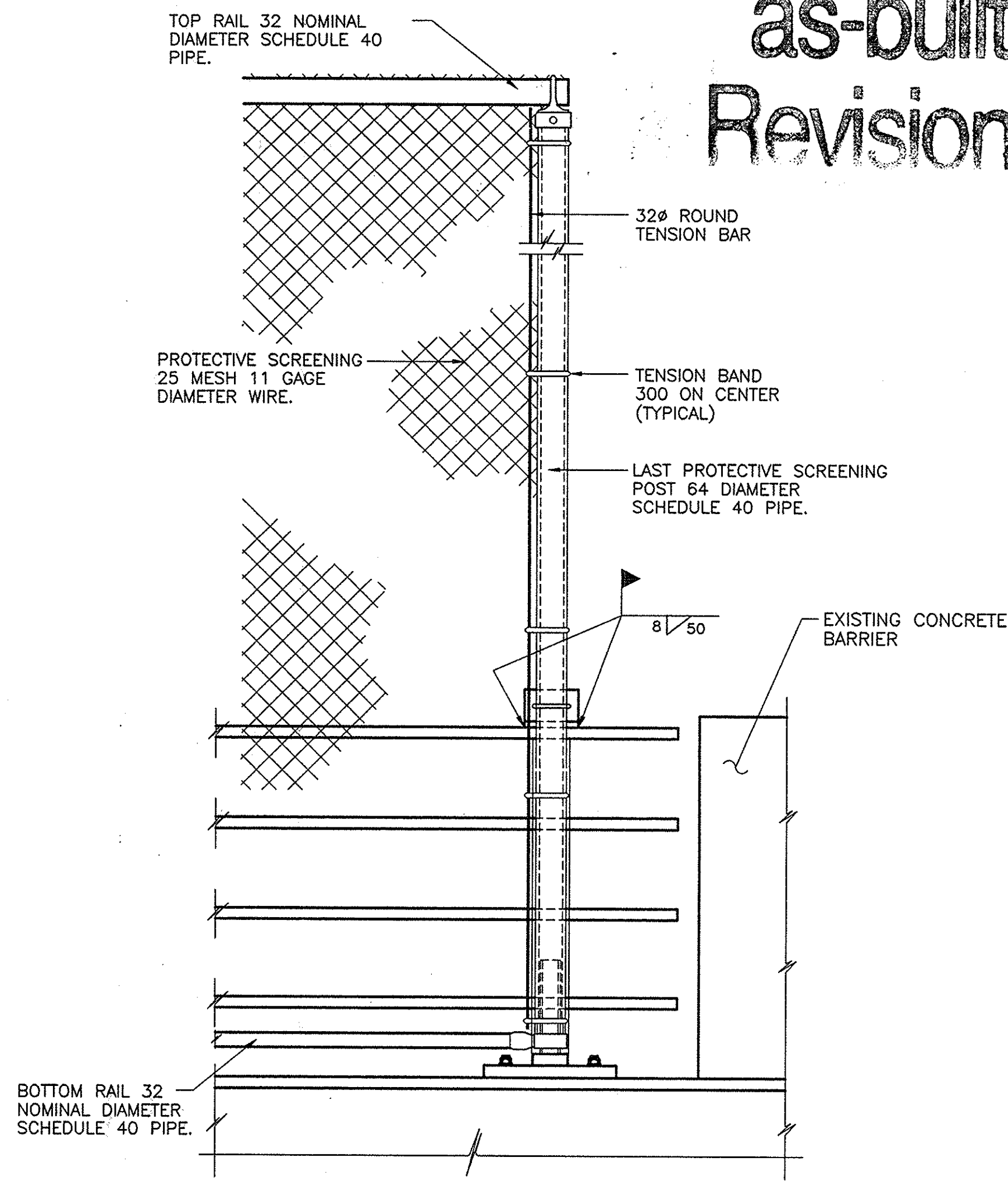


VIEW B-B
N.T.S.

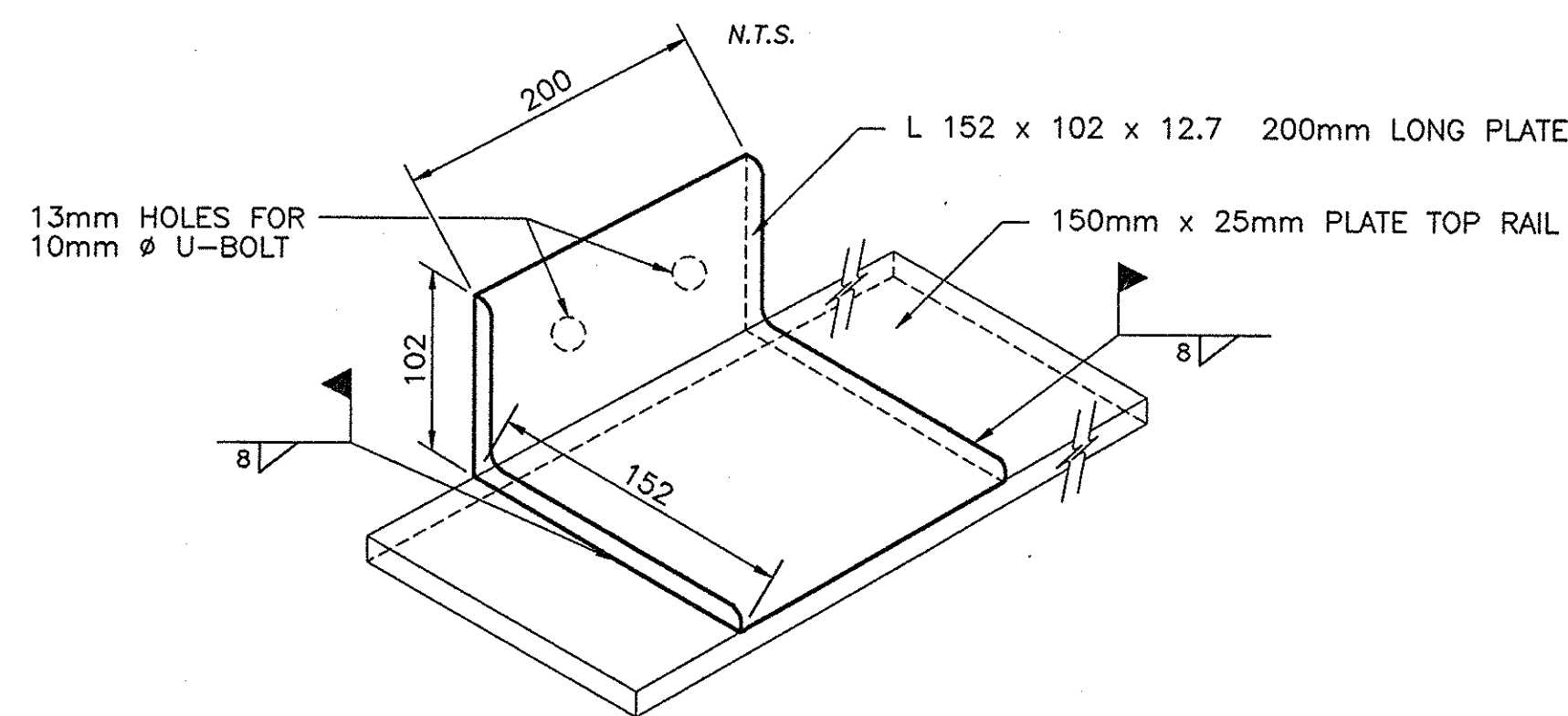
NOTES:

1. NO WELD SHALL START OR STOP WITHIN 7 OF THE EDGE OF ANY PLATE.
2. THE PROTECTIVE SCREENING POSTS SHALL BE PLACED WITH THE RAILING POSTS SO THAT THE SPACING OF THE PROTECTIVE SCREENING POSTS DOES NOT EXCEED 3.2m. SPACING SHALL BE AS NEARLY UNIFORM AS POSSIBLE. THERE SHALL ALWAYS BE PROTECTIVE SCREENING POSTS AT THE FIRST AND LAST RAILING POST, REGARDLESS OF THE PROTECTIVE SCREENING POST SPACING ON THE BRIDGE.
3. ON COMPLETION OF ALL WELDING OPERATIONS, NECESSARY FIELD GALVANIZING IN ACCORDANCE WITH SECTION 719-01 OF THE STANDARD SPECIFICATIONS SHALL BE DONE. THEREAFTER, TOUCH-UP PAINTING OF THE AFFECTED AREAS SHALL BE DONE IN ACCORDANCE WITH ITEM 25570.9275XXM, POWER TOOL CLEANING AND REPAINTING OF BRIDGE RAIL (NON-GALVANIZED). NO SEPARATE PAYMENT WILL BE MADE FOR TOUCH-UP PAINTING. THE COST FOR TOUCH-UP PAINTING SHALL BE INCLUDED IN THE PRICE BID FOR VARIOUS ITEMS IN THIS CONTRACT.
4. ALL WORK SHOWN ON THIS DRAWING SHALL BE PAID FOR UNDER ITEM 25607.0611M UNLESS OTHERWISE SHOWN.

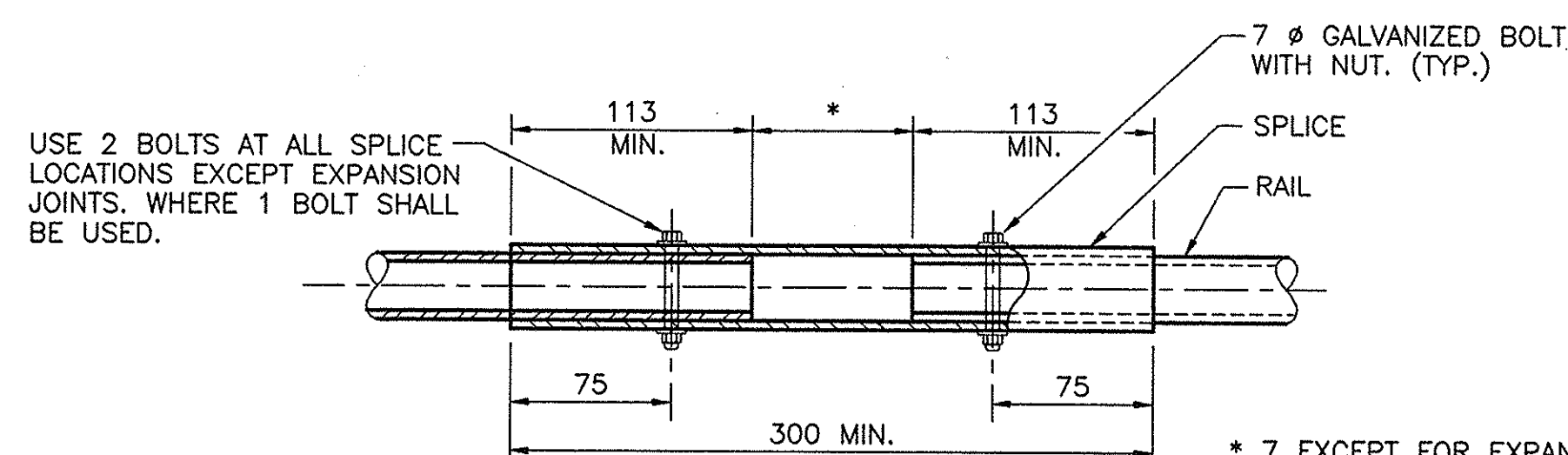
NOTE: ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE NOTED ALL ELEVATIONS ARE SHOWN IN METERS.



TYPICAL ELEVATION
CHAIN LINK PROTECTIVE SCREENING END



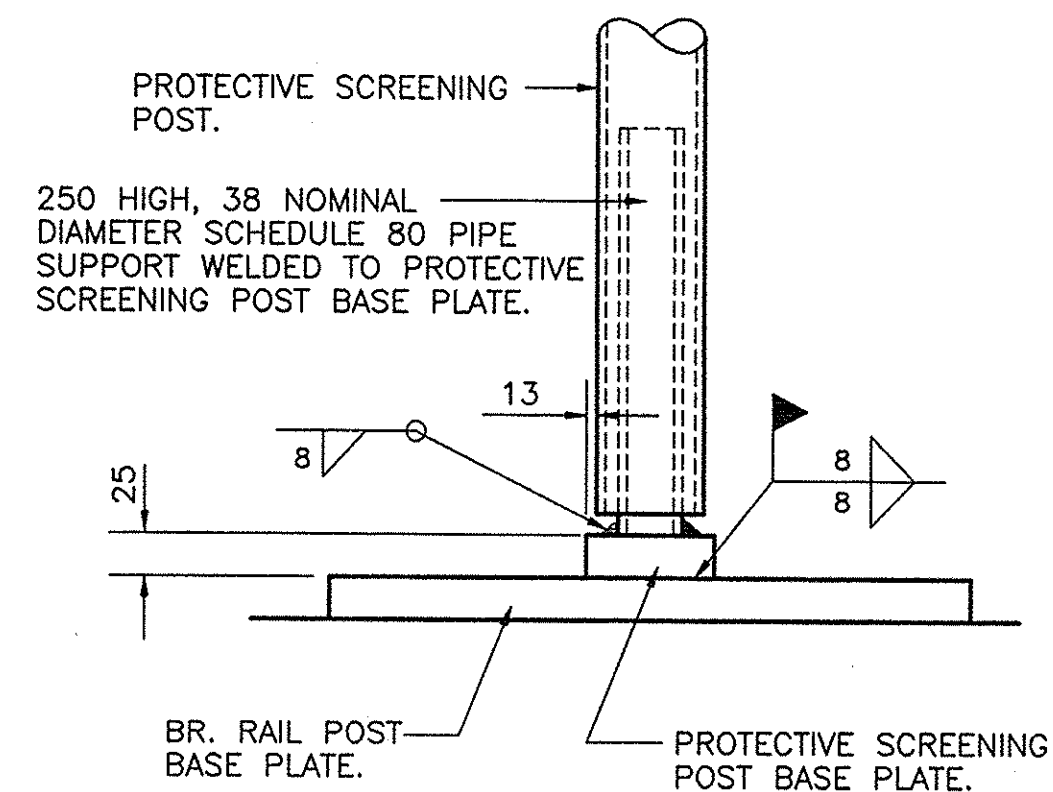
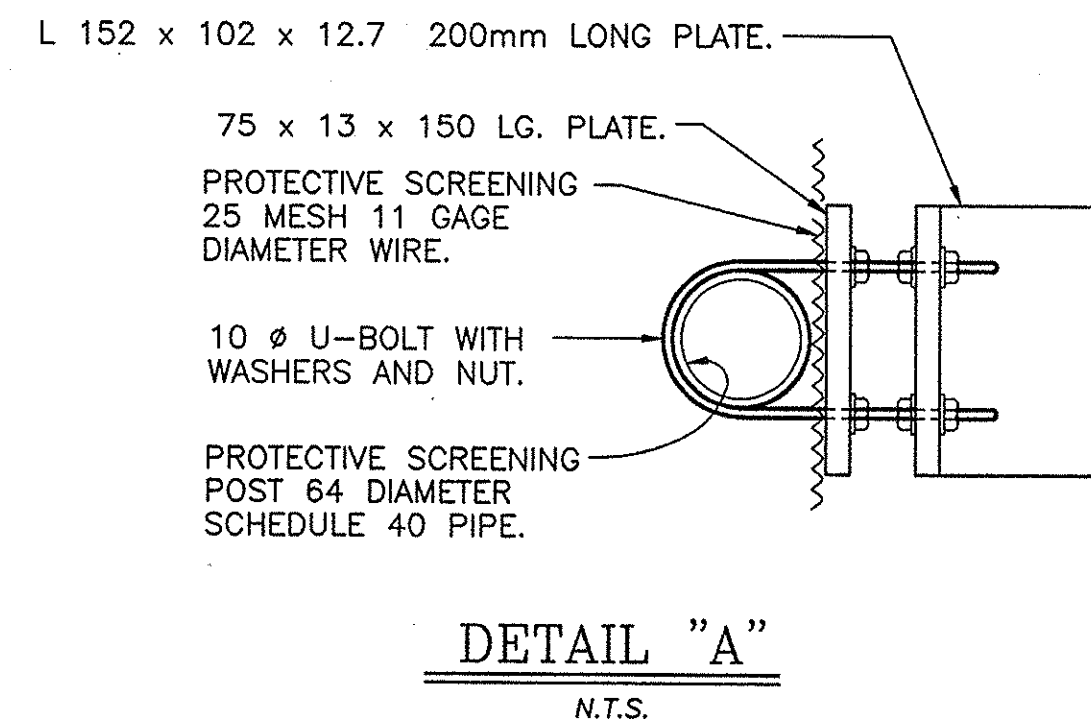
DETAIL OF SUPPORT ANGLE
N.T.S.



RAIL SPLICE DETAIL
N.T.S.

* 7 EXCEPT FOR EXPANSION JOINT LOCATIONS WHERE THE DIMENSION SHALL BE SET EQUAL TO THE BRIDGEWORK JOINT PLUS 7 (25 MIN.).

as-built
Revisions

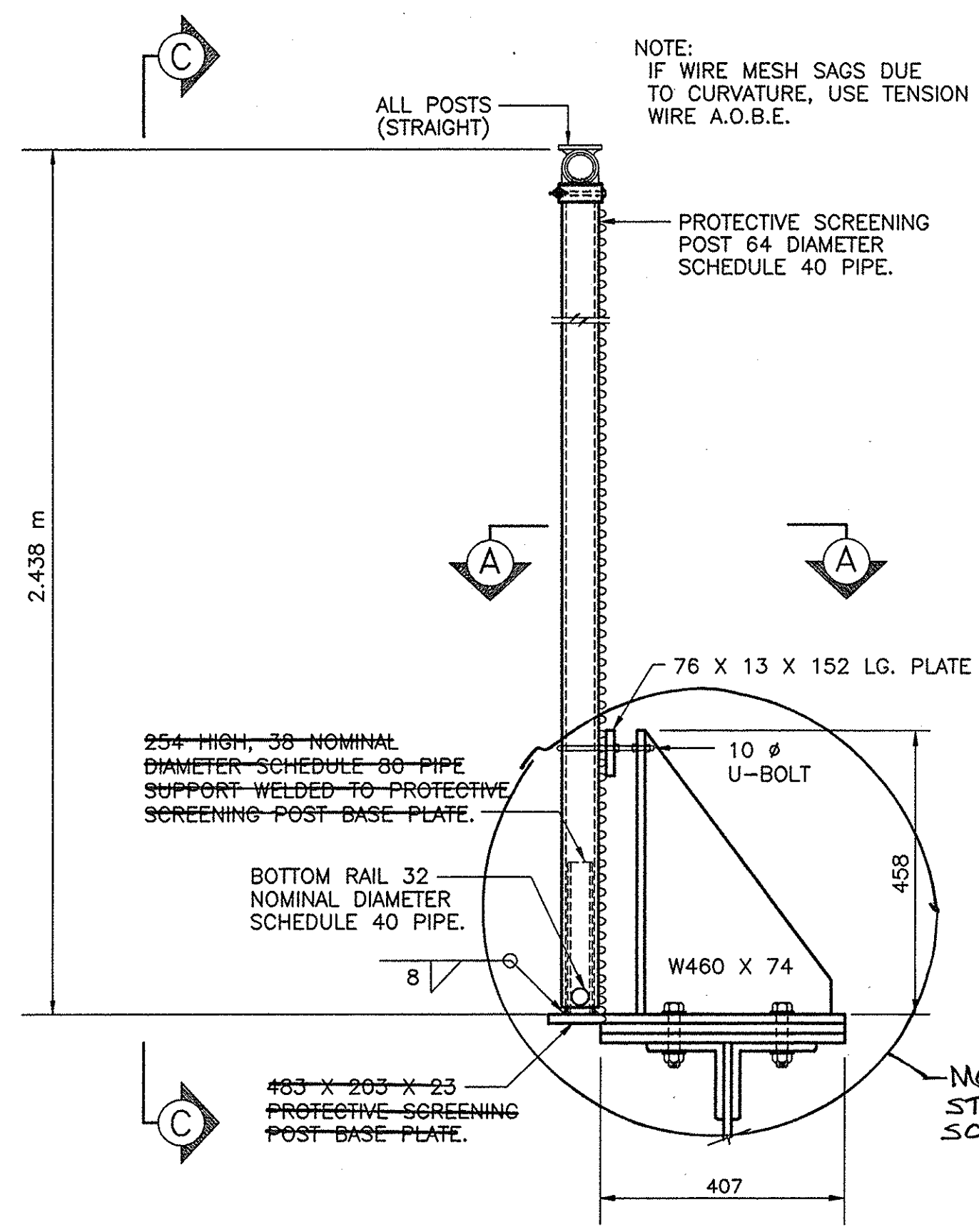


DETAIL "B"
N.T.S.

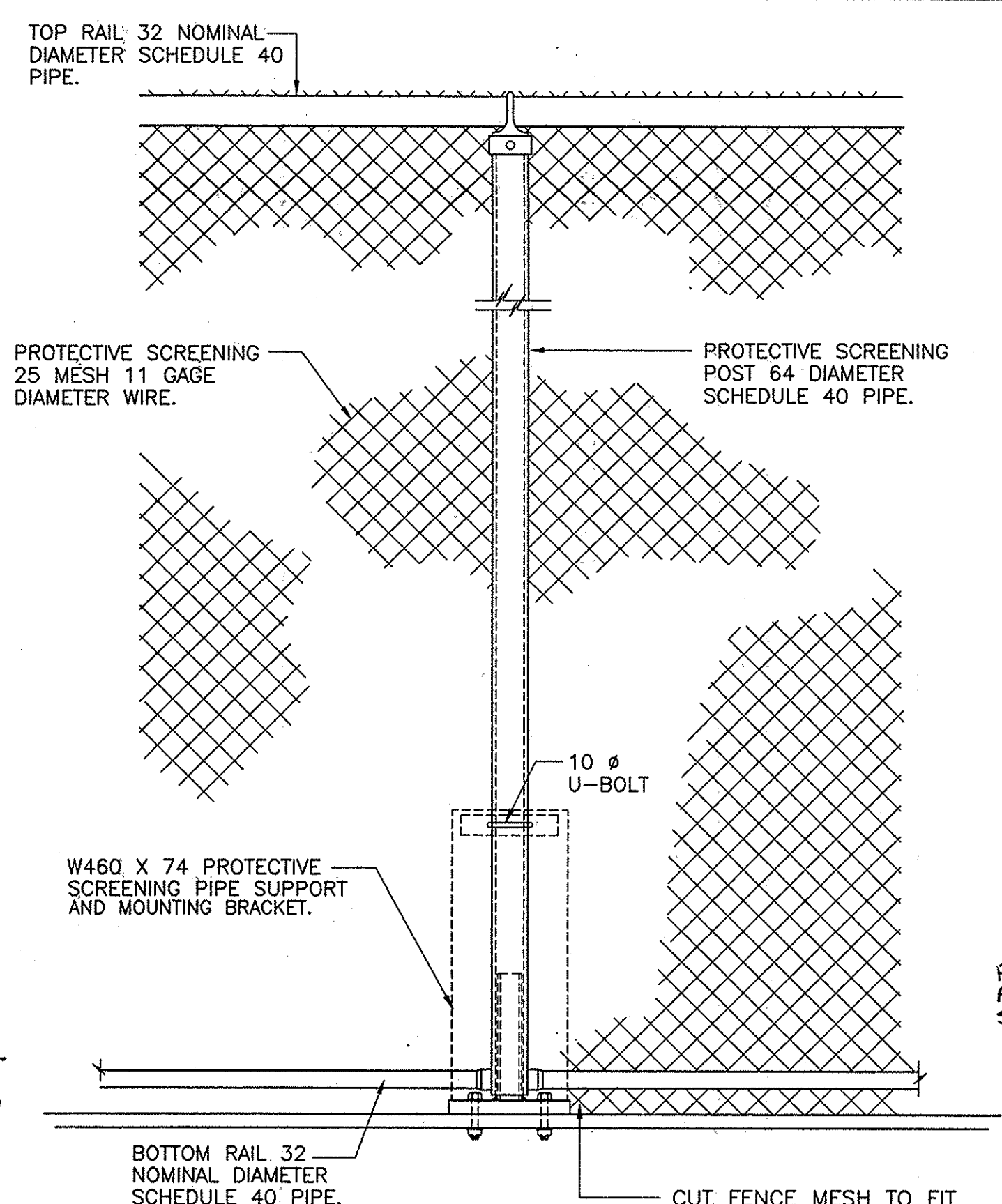


DATE	DESCRIPTION	BY	SYM.
7/16/04	BASE PLATE ADJUSTMENT	CM	
REVISIONS			
NEW YORK STATE THRUWAY AUTHORITY DEPARTMENT OF ENGINEERING AND MAINTENANCE 200 SOUTHERN BLVD., ALBANY, N.Y. 12209			
TITLE OF PROJECT INSTALLATION OF PROTECTIVE SCREENING ON 16 BRIDGES OVER THE THRUWAY			
LOCATION OF PROJECT M.P. 74.17 TO 175.12			
TITLE OF DRAWING PROTECTIVE SCREENING ON LAURENCE TICE RD. BRIDGE M.P. 104.04			
CONTRACT NUMBER: TA 00-70F			
DATE: 10/00			
DRAWING NUMBER: 7R1			

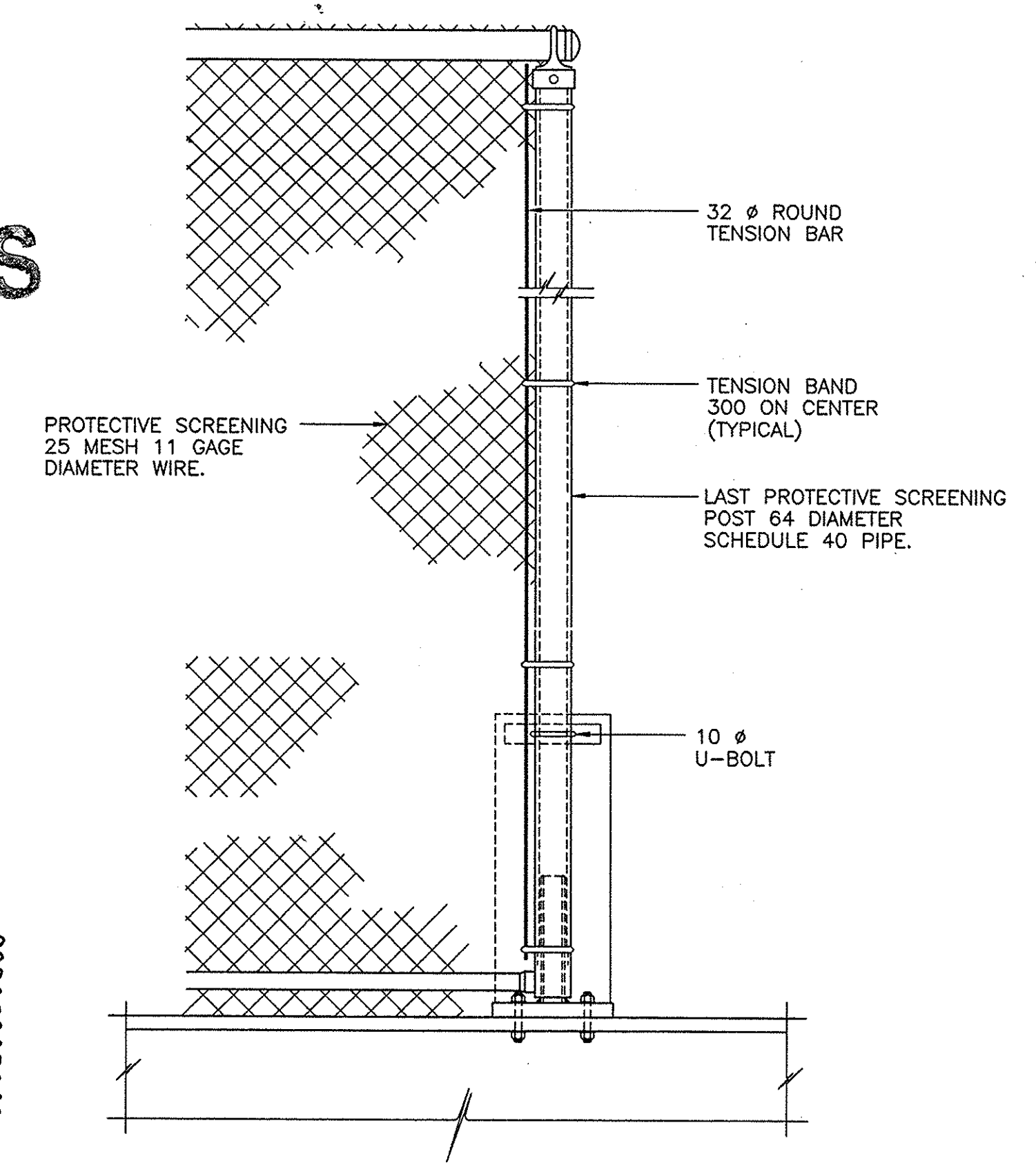
as-built
Revisions



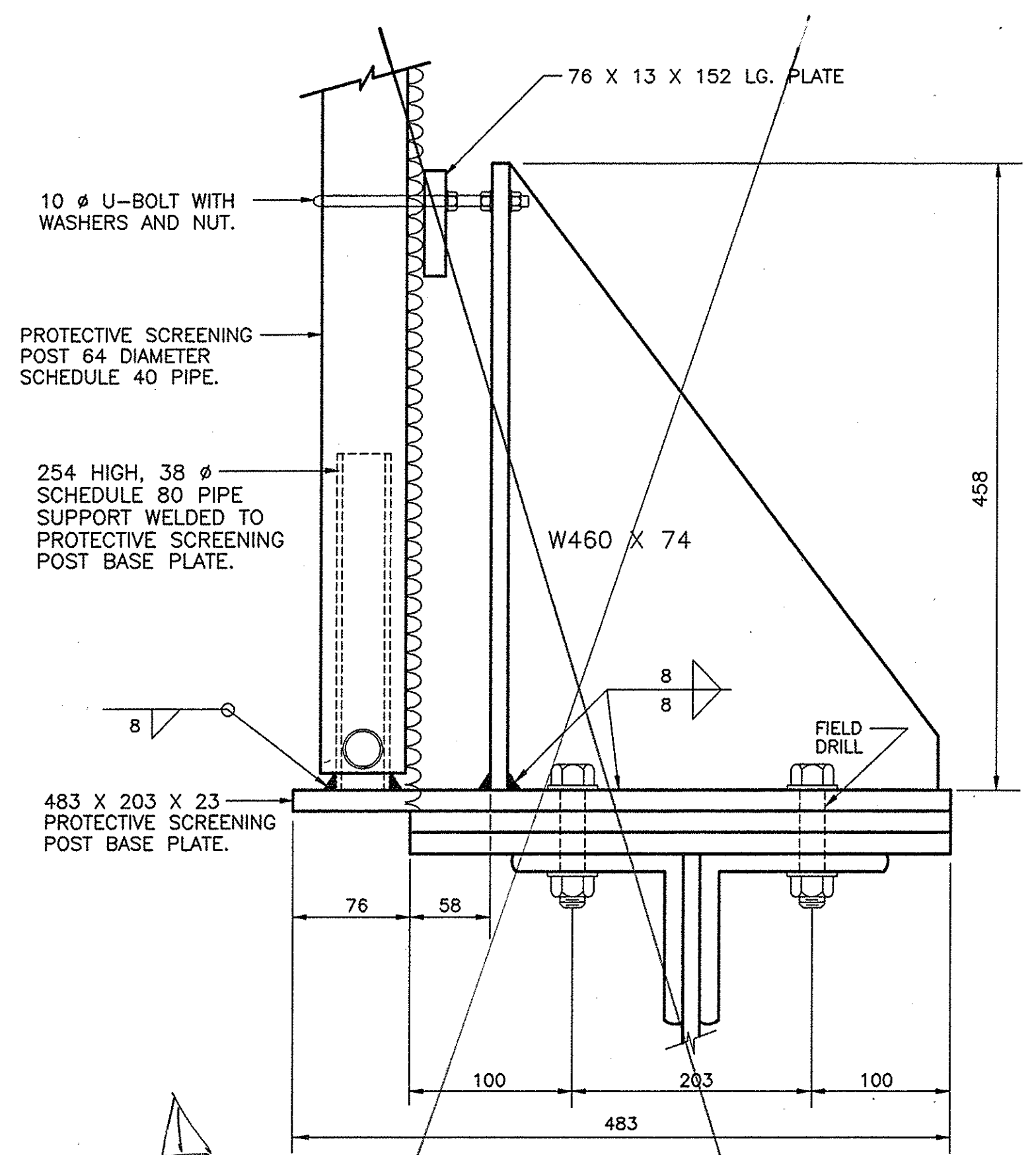
TYPICAL SECTION
CHAIN LINK PROTECTIVE SCREENING
N.T.S.



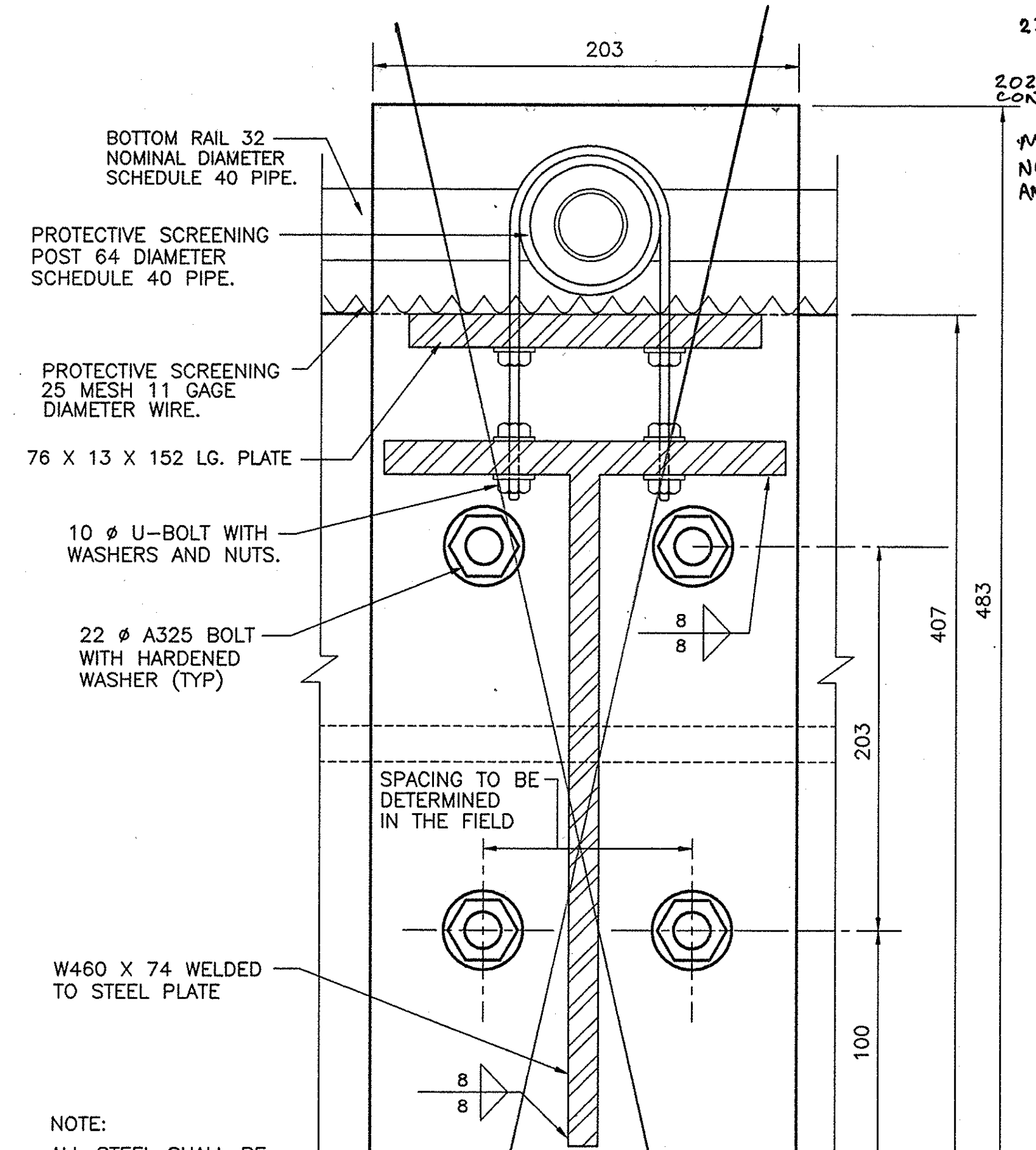
VIEW C-C
N.T.S.



TYPICAL ELEVATION
CHAIN LINK PROTECTIVE SCREENING END
N.T.S.

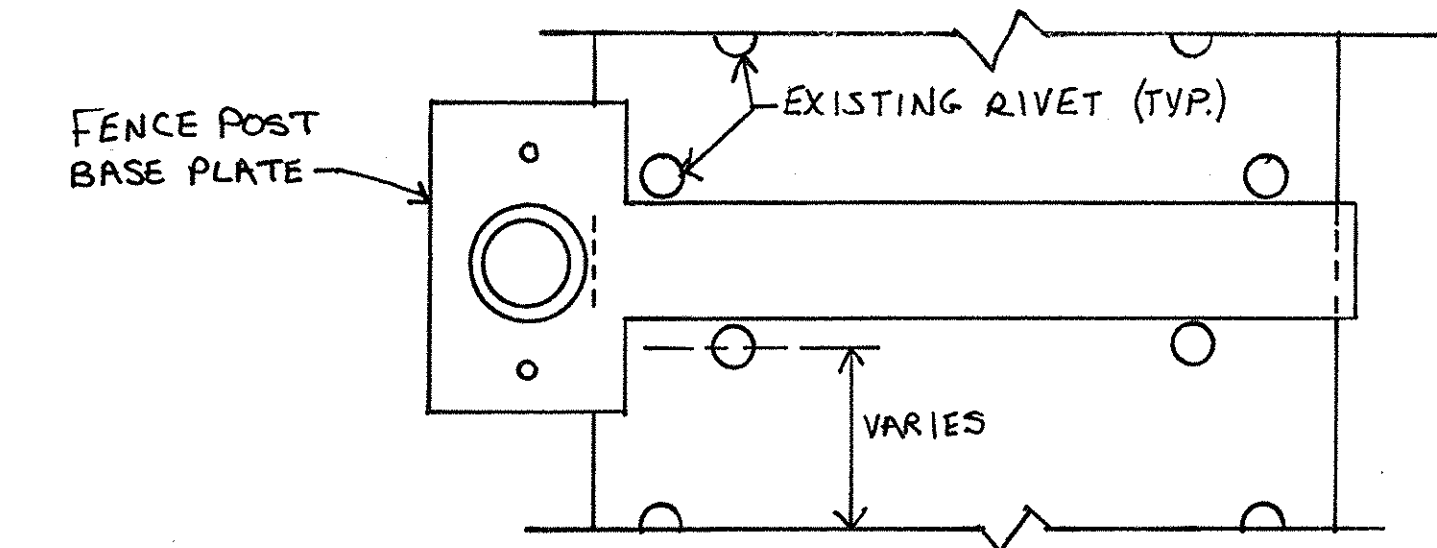
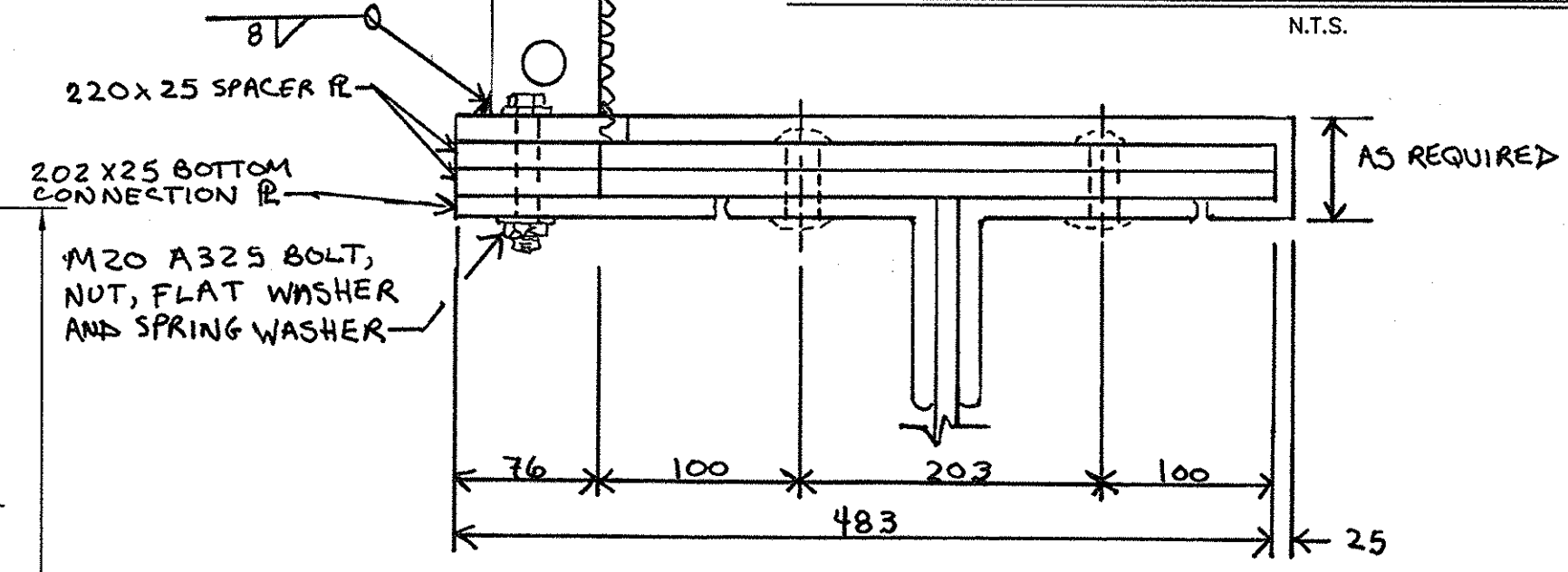


STRUCTURAL STEEL
PROTECTIVE SCREENING POST ASSEMBLY
N.T.S.



NOTE:
ALL STEEL SHALL BE
ASTM A709 GRADE 36

VIEW A-A
N.T.S.



STRUCTURAL STEEL
PROTECTIVE SCREENING POST ASSEMBLY
NOTES: N.T.S.

1. NO WELD SHALL START OR STOP WITHIN 7mm OF THE EDGE OF ANY PLATE.
2. THE PROTECTIVE SCREENING POSTS SHALL BE PLACED SO THAT THE SPACING OF THE PROTECTIVE SCREENING POSTS DOES NOT EXCEED 3.20 m. SPACING SHALL BE AS NEARLY UNIFORM AS POSSIBLE.

NOTE: ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE NOTED ALL ELEVATIONS ARE SHOWN IN METERS.

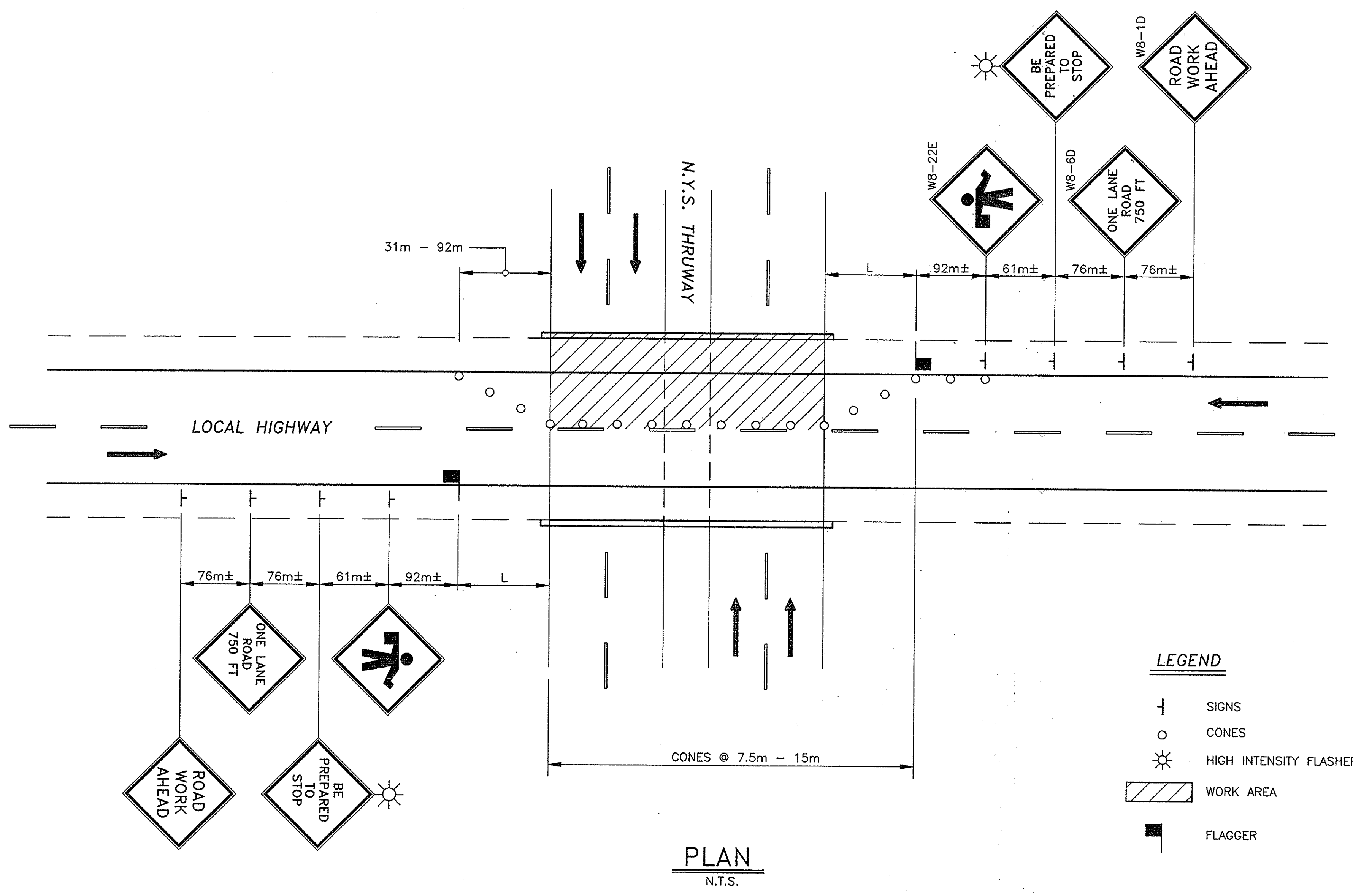


9/01	POST ASSEMBLY MODIFICATIONS	CM	Δ
DATE	DESCRIPTION	BY	SYM.
REVISIONS			
NEW YORK STATE THRUWAY AUTHORITY DEPARTMENT OF ENGINEERING AND MAINTENANCE 200 SOUTHERN BLVD., ALBANY, N.Y. 12209			
TITLE OF PROJECT INSTALLATION OF PROTECTIVE SCREENING ON 16 BRIDGES OVER THE THRUWAY			
LOCATION OF PROJECT M.P. 74.17 TO M.P. 175.12			
TITLE OF DRAWING PROTECTIVE SCREENING ON BRIDGE @ M.P. 158.93			
		CONTRACT NUMBER:	TA 00-70F
		DATE:	10/00
		DRAWING NUMBER:	8R1

CHECKED BY: Paul Andersen
DESIGNED BY: Paul Andersen
IN CHARGE OF: Paul Andersen

IN CHARGE OF: *Robert A. Sullivan* CHECKED BY: *Robert A. Sullivan* DRAFTED BY: *Robert A. Sullivan* DESIGNED BY: *Robert A. Sullivan* G:\FENCING\0070\TA\CONBRIDGE.DWG

No as-built Revisions



WIDTH OF APPROACH LANE	ESTIMATED 85% APPROACH SPEED (k)							
	40	48	56	64	72	80	89	97
3.66m	38	55	75	98	165	183	201	220
3.35m	35	50	69	90	151	168	184	201
3.05m	32	46	63	81	137	152	168	183

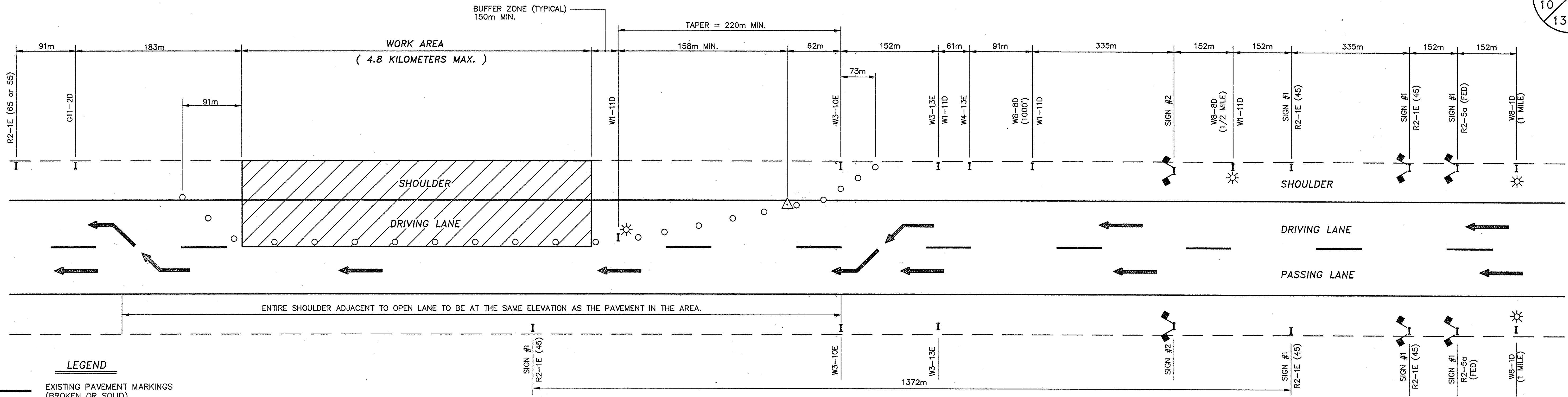
APPROXIMATE LENGTH OF TAPER (L) AND LOCATION OF FLAGGER.

NOTES

- NOTES 1 THROUGH 5 BELOW REFER TO THE "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES", PUBLISHED BY THE THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION.
- FOR SIGN DETAILS, SEE SECTIONS 238.2, 238.4 AND 238.7.
- ALL SIGNS SHALL BE BLACK ON FLUORESCENT ORANGE
- THE "BE PREPARED TO STOP" SIGNS SHALL BE 1.2m x 1.2m.
- FOR LENGTH OF TAPER, L, VALUES, SEE TABLE 1 ABOVE AND SECTION 262.22.

DATE	DESCRIPTION	BY	SYM.
REVISIONS			
NEW YORK STATE THRUWAY AUTHORITY DEPARTMENT OF ENGINEERING AND MAINTENANCE 200 SOUTHERN BLVD., ALBANY, N.Y. 12209			
TITLE OF PROJECT INSTALLATION OF PROTECTIVE SCREENING ON 16 BRIDGES OVER THE THRUWAY			
LOCATION OF PROJECT M.P. 74.17 TO M.P. 175.12			
TITLE OF DRAWING TRAFFIC CONTROL ON BRIDGES			
	CONTRACT NUMBER:	TA 00-70F	
	DATE:	10/00	
	DRAWING NUMBER:	9	

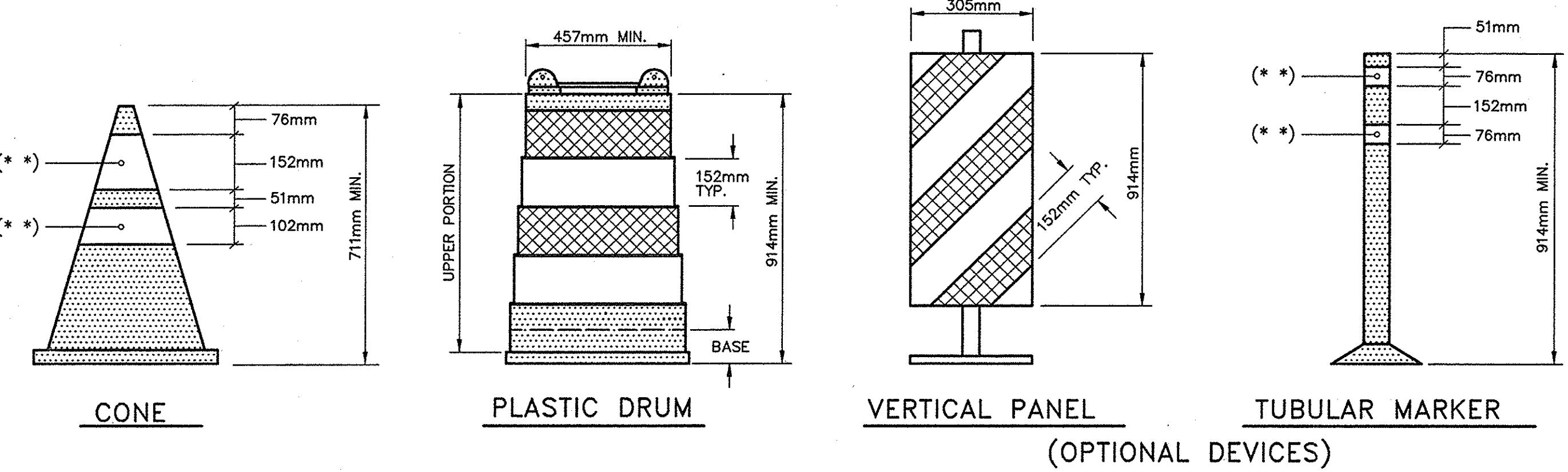
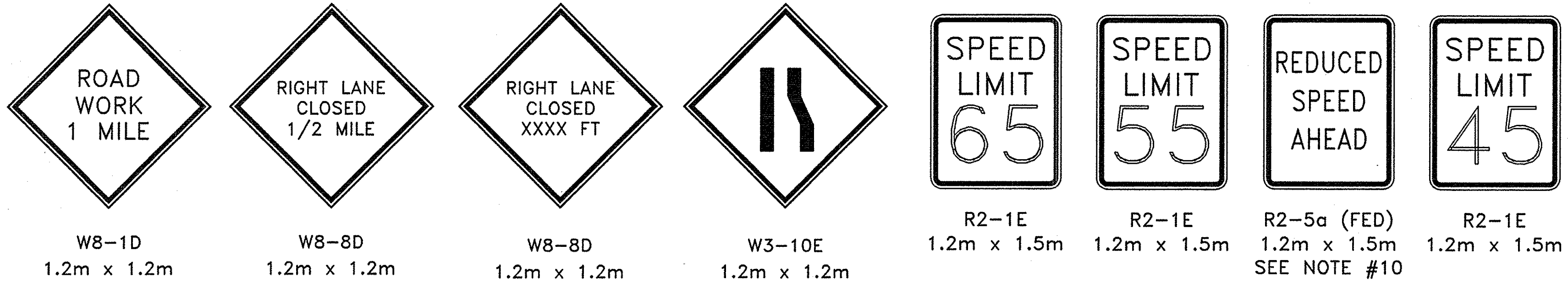
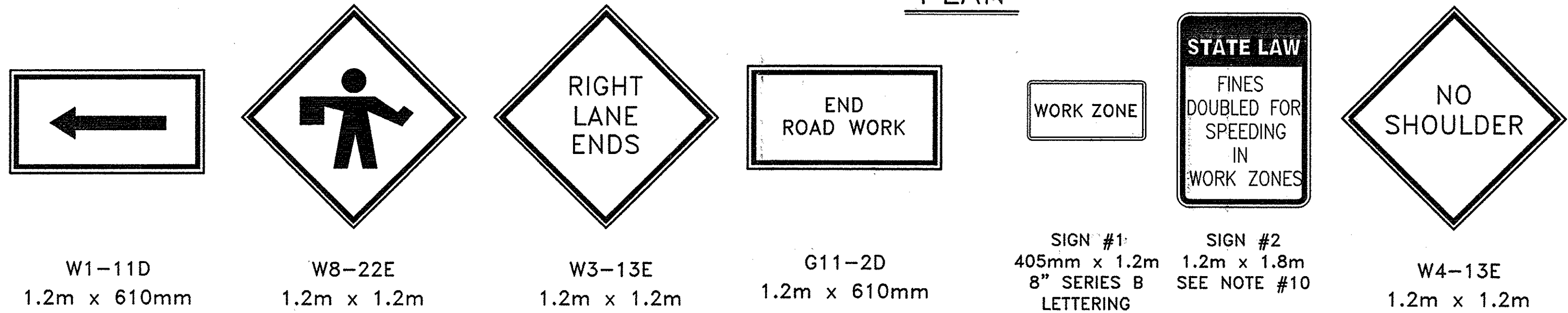
LANE CLOSURE-DLY-M
CHECKED BY: XX
DRAFTED BY: XX
DESIGNED BY: XX
IN CHARGE OF: XX



LEGEND

- EXISTING PAVEMENT MARKINGS (BROKEN OR SOLID)
- TRAFFIC CONES AT 12m INTERVALS ON TAPER, 24m ON TANGENT
- SIGNS
- FLASHING ARROWBOARD
- FLASHING LIGHTS (LOW INTENSITY FOR NIGHT USE OR A.O.B.E.)
- CONSTRUCTION FLAG

PLAN



LEGEND

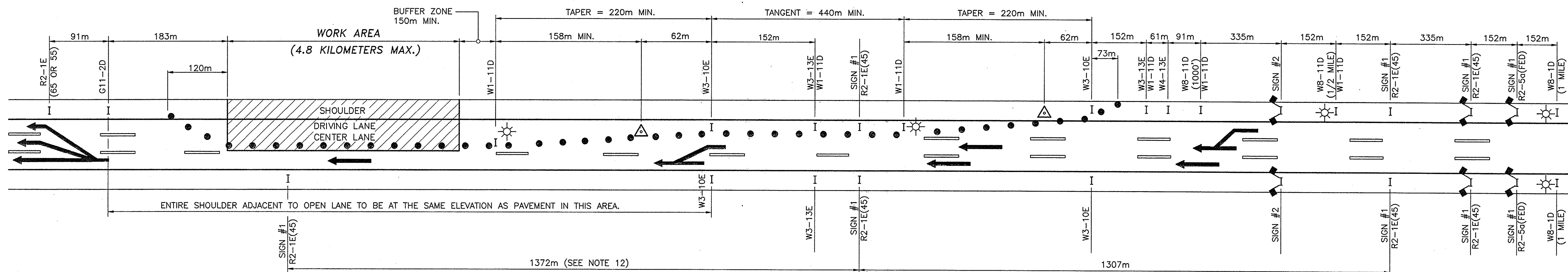
- WHITE REFLECTORIZED SHEETING, CLASS B (3M, 3800 SERIES OR EQUAL)
- ORANGE REFLECTORIZED SHEETING, CLASS B (3M, 3800 SERIES OR EQUAL)
- NON-REFLECTORIZED ORANGE
- APPROVED REFLECTORIZED WHITE BAND OR COLLAR (CLASS B OR C) -REQUIRED FOR NIGHT USE.

No as-built
Revisions

NOTES:

- ALL SIGNS MAY BE FOUND IN THE NEW YORK STATE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). ALL "W" SERIES SIGNS SHALL BE BLACK ON FLUORESCENT ORANGE. ALL REFLECTORIZED SIGN BACKGROUNDS SHALL BE CLASS "B" OR "C" REFLECTIVE SHEETING.
- SIGN SUPPORTS SHALL RESIST OVERTURNING IN WINDS AND PROVIDE A MINIMUM MOUNTING HEIGHT OF 1.5 METERS TO THE SIGN BOTTOM. SIGNS SHALL BE PLACED AT OR AS NEAR AS PRACTICABLE TO THE LOCATIONS SHOWN. LATERAL PLACEMENT OF SIGNS SHALL CONFORM TO SECTIONS 201.5 AND/OR 301.2 OF THE MUTCD.
- FLAGGERS ARE 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 152 METERS NOR FURTHER THAN 792 METERS AHEAD OF THE FLAGGER.
- ALL FLASHING LIGHTS SHOWN ON THIS SHEET SHALL BE PLACED IN OPERATION FROM 1/2 HOUR AFTER SUNSET TO 1/2 HOUR BEFORE SUNRISE OR AS ORDERED BY THE ENGINEER.
- FLASHING ARROWBOARDS SHALL CONFORM TO SECTION 294.5 OF THE MUTCD. THE MINIMUM SIZE SHALL BE TYPE C (2.4m X 1.2m) FULL ARROW FLASH. NO CHEVRONS NOR SEQUENTIAL ARROW FLASH WILL BE ALLOWED.
- THESE PLANS SHALL BE MODIFIED TO LEFT LANE CLOSURE(S) BY CHANGING SIGNS W1-11D TO W1-12D, W8-8D TO W8-7D, W3-10E TO W3-9E AND W3-13E TO W3-12E. THE LEFT LANE CLOSURE SHALL BE THE MIRROR IMAGE OF THE RIGHT LANE CLOSURE.
- THE TRAFFIC SUPERVISOR WILL APPROVE THE CONDITION OF ALL TRAFFIC CONTROL DEVICES PRIOR TO USE, AND WILL REVIEW THE PROPOSED TRAFFIC CONTROL PATTERN (FOR PRECISE DEVICE POSITIONING) PRIOR TO INSTALLATION.
- EXISTING PAVEMENT MARKINGS SHALL BE MAINTAINED BY THE CONTRACTOR WITHIN THE PROJECT LIMITS.
- THE MINIMUM BUFFER ZONE LENGTH SHALL BE 150m. THE LENGTH OF THE BUFFER ZONE SHALL BE EXTENDED WHEN NECESSARY AS ORDERED BY THE ENGINEER TO ENSURE ADEQUATE SIGHT DISTANCE FOR APPROACHING VEHICLES OF THE LANE CLOSURE TAPER.
- SEE PROPOSAL FOR SIGN FACE LAYOUT.
- WHEN THE DISTANCE BETWEEN THE SECOND R2-1E(45) SIGN AND THE END OF THE WORK ZONE EXCEEDS 1372M, ADDITIONAL R2-1E(45) SIGNS SHALL BE PLACED IN THE WORK ZONE TO MAINTAIN A MAXIMUM SPACING OF 1372M. NOTE THAT ADDITIONAL SIGNS MAY BE NEEDED JUST BEYOND ANY ENTRANCE RAMP THAT TERMINATES WITHIN THE WORK ZONE AND BEYOND THE ALREADY SPECIFIED SIGNING.
- ANY EXISTING SPEED LIMIT SIGNS SHALL BE COVERED SO AS NOT TO CONFLICT WITH THE WORK ZONE SPEED LIMIT.
- FOR NIGHTTIME OPERATIONS. ALL PROVISIONS OF SECTION 619-3.13 OF THE STANDARD SPECIFICATIONS SHALL APPLY.
- THIS SHEET APPLIES TO TWO, THREE, AND FOUR LANE SECTIONS.

DATE	DESCRIPTION	BY	SYM.
REVISIONS			
NEW YORK STATE THRUWAY AUTHORITY DEPARTMENT OF ENGINEERING AND MAINTENANCE 200 SOUTHERN BLVD., ALBANY, N.Y. 12209			
TITLE OF PROJECT INSTALLATION OF PROTECTIVE SCREENING ON 16 BRIDGES OVER THE THRUWAY			
LOCATION OF PROJECT M.P. 74.17 TO M.P. 175.12			
TITLE OF DRAWING LANE CLOSURE (DAILY)			
CONTRACT NUMBER: TA 00-70F		DATE: 6/00	
DRAWING NUMBER: 10			

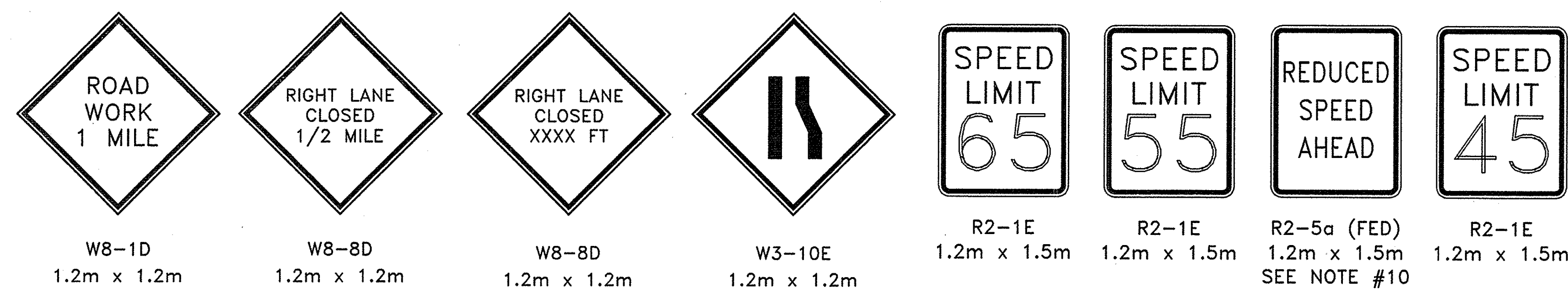
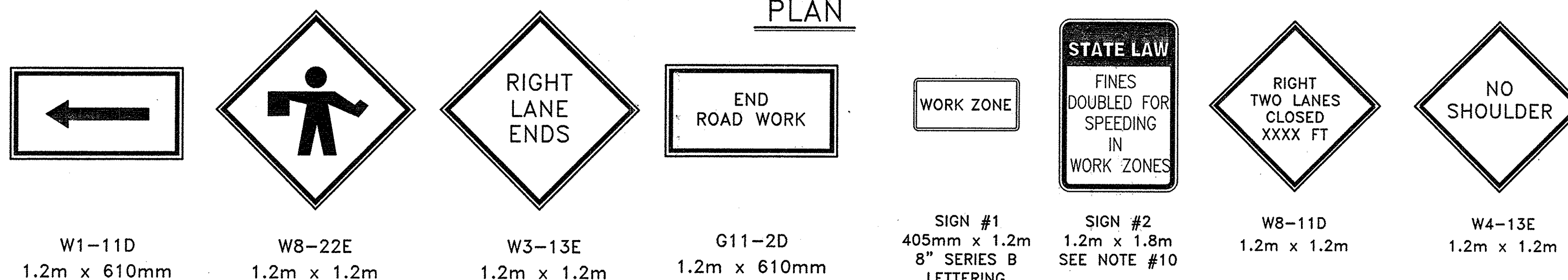


LEGEND

-  EXISTING PAVEMENT MARKINGS (BROKEN OR SOLID)
-  TRAFFIC CONES AT 12m INTERVALS ON TAPER, 24m ON TANGENT
-  SIGNS
-  FLASHING ARROWBOARD
-  FLASHING LIGHTS (LOW INTENSITY FOR NIGHT USE OR A.O.B.E.)
-  CONSTRUCTION FLAG

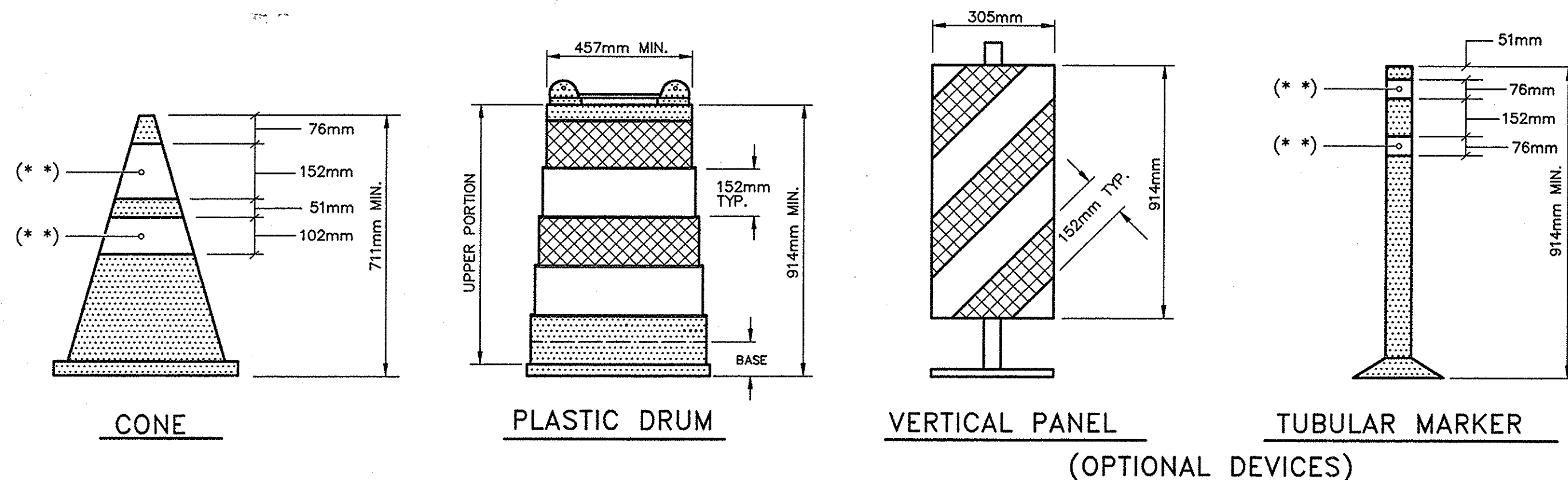
TWO LANE CLOSURE

PLAN



LEGEND

- | | |
|---|--|
|  | WHITE REFLECTORIZED
SHEETING, CLASS B (3M,
3800 SERIES OR EQUAL) |
|  | ORANGE REFLECTORIZED
SHEETING, CLASS B (3M,
3800 SERIES OR EQUAL) |
|  | NON-REFLECTORIZED ORANGE |
| (*) | APPROVED REFLECTORIZED
WHITE BAND OR COLLAR
(CLASS B OR C) -REQUIRED
FOR NIGHT USE. |



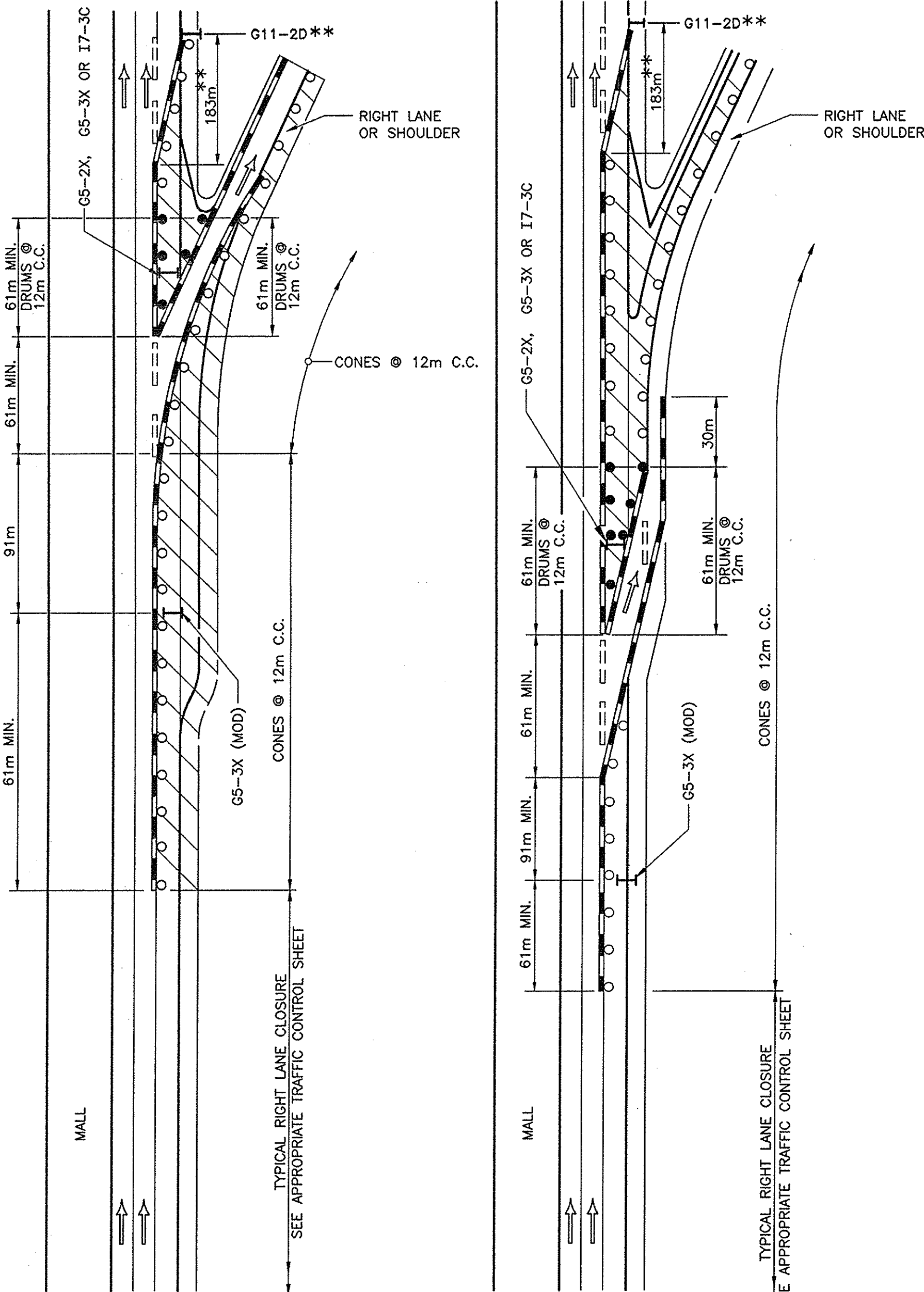
TRAFFIC CONTROL DEVICES

- NOTES:**
1. SIGNS MAY BE FOUND IN THE NEW YORK STATE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). ALL "W" SERIES SIGNS SHALL BE BLACK ON FLUORESCENT ORANGE. ALL REFLECTORIZED SIGN BACKGROUNDS SHALL BE CLASS "B" OR "C" REFLECTIVE SHEETING.
 2. SIGN SUPPORTS SHALL RESIST OVERTURNING IN WINDS AND PROVIDE A MINIMUM MOUNTING HEIGHT OF 1.5 METERS TO THE SIGN BOTTOM. SIGNS SHALL BE PLACED AT OR AS NEAR AS PRACTICABLE TO THE LOCATIONS SHOWN. LATERAL PLACEMENT OF SIGNS SHALL CONFORM TO SECTIONS 201.5 AND/OR 301.2 OF THE MUTCD.
 3. FLAGGERS ARE 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 152 METERS NOR FURTHER THAN 792 METERS AHEAD OF THE FLAGGER.
 4. ALL FLASHING LIGHTS SHOWN ON THIS SHEET SHALL BE PLACED IN OPERATION FROM 1/2 HOUR AFTER SUNSET TO 1/2 HOUR BEFORE SUNRISE OR AS ORDERED BY THE ENGINEER.
 5. FLASHING ARROWBOARDS SHALL CONFORM TO SECTION 294.5 OF THE MUTCD. THE MINIMUM SIZE SHALL BE TYPE C (2.4m X 1.2m) FULL ARROW FLASH. NO CHEVRONS NOR SEQUENTIAL ARROW FLASH WILL BE ALLOWED.
 6. THESE PLANS SHALL BE MODIFIED TO LEFT LANE CLOSURE(S) BY CHANGING SIGNS W1-11D TO W1-12D, W8-8D TO W8-7D, W8-11D TO W8-10D, W3-10E TO W3-9E AND W3-13E TO W3-12E. THE LEFT LANE CLOSURES SHALL BE THE MIRROR IMAGE OF THE RIGHT LANE CLOSURE(S).
 7. THE TRAFFIC SUPERVISOR WILL APPROVE THE CONDITION OF ALL TRAFFIC CONTROL DEVICES PRIOR TO USE, AND WILL REVIEW THE PROPOSED TRAFFIC CONTROL PATTERN (FOR PRECISE DEVICE POSITIONING) PRIOR TO INSTALLATION.
 8. EXISTING PAVEMENT MARKINGS SHALL BE MAINTAINED BY THE CONTRACTOR WITHIN THE PROJECT LIMITS.
 9. THE MINIMUM BUFFER ZONE LENGTH SHALL BE 150m. THE LENGTH OF THE BUFFER ZONE SHALL BE EXTENDED WHEN NECESSARY AS ORDERED BY THE ENGINEER TO ENSURE ADEQUATE SIGHT DISTANCE FOR APPROACHING VEHICLES OF THE LANE CLOSURE TAPER.
 10. SEE PROPOSAL FOR SIGN FACE LAYOUT.
 11. FOR NIGHTTIME OPERATIONS, ALL PROVISIONS OF SECTION 619-3.13 OF THE STANDARD SPECIFICATIONS SHALL APPLY.
 12. WHEN THE DISTANCE BETWEEN THE SECOND R2-1E(45) SIGN AND THE END OF THE WORK ZONE EXCEEDS 1372m, ADDITIONAL R2-1E(45) SIGNS SHALL BE PLACED IN THE WORK ZONE TO MAINTAIN A MAXIMUM SPACING OF 1372m. NOTE THAT ADDITIONAL SIGNS MAY BE NEEDED JUST BEYOND ANY ENTRANCE RAMP THAT TERMINATES WITHIN THE WORK ZONE AND BEYOND THE ALREADY SPECIFIED SIGNING.
 13. ANY EXISTING SPEED LIMIT SIGNS SHALL BE COVERED SO AS NOT TO CONFLICT WITH THE WORK ZONE SPEED LIMIT.
 14. THIS SHEET APPLIES TO THREE AND FOUR LANE SECTIONS.

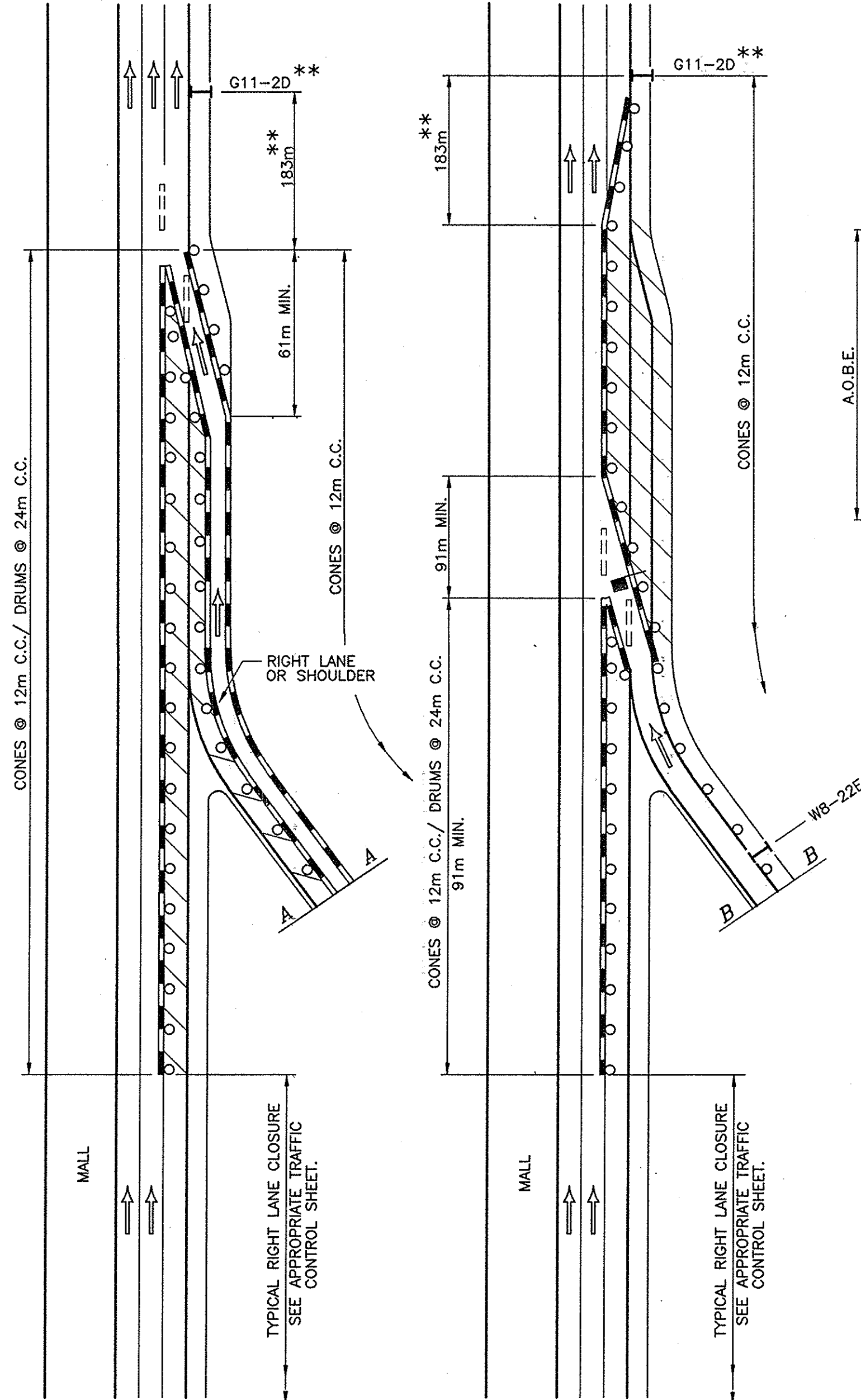
No as-built Revisions

DATE	DESCRIPTION	BY	SY		
REVISIONS					
NEW YORK STATE THRUWAY AUTHORITY DEPARTMENT OF ENGINEERING AND MAINTENANCE 200 SOUTHERN BLVD., ALBANY, N.Y. 12209					
TITLE OF PROJECT INSTALLATION OF PROTECTIVE SCREENING ON 16 BRIDGES OVER THE THRUWAY					
LOCATION OF PROJECT M.P. 74.17 TO M.P. 175.12					
TITLE OF DRAWING TWO-LANE CLOSURE (DAILY)					
		CONTRACT NUMBER: TA 00-70F			
		DATE: 6/00			
		DRAWING NUMBER: 11			

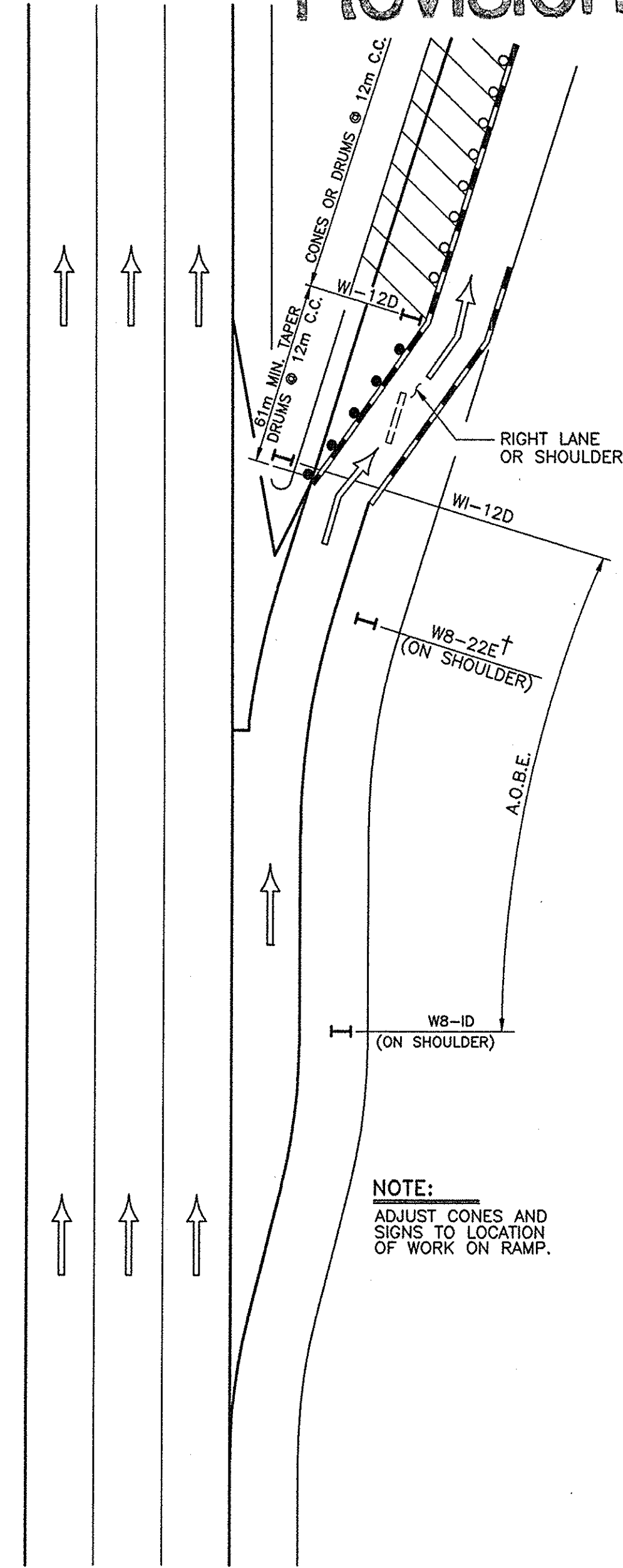
DESIGNED BY: DRAFTED BY: CHECKED BY: IN CHARGE OF: 12-INTER-SERVICE-PARKING-M



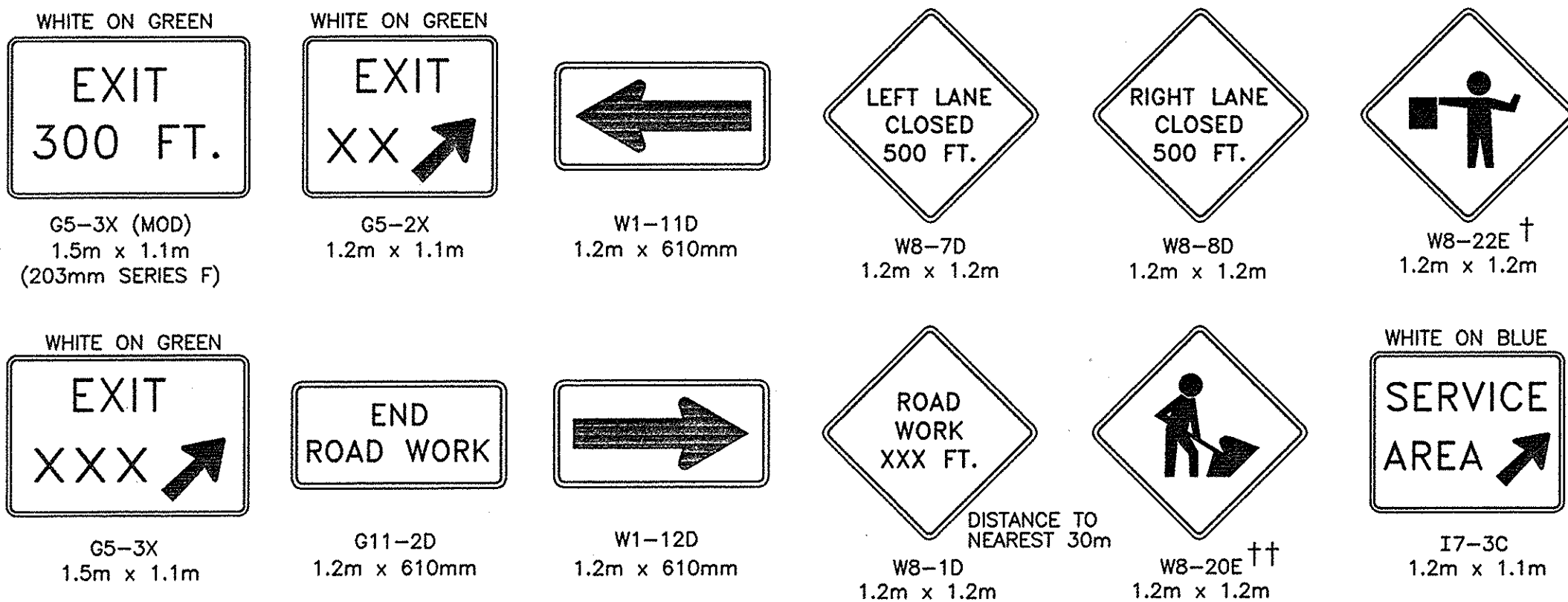
TYPICAL DECELERATION LANE
N.T.S.



TYPICAL ACCELERATION LANE
N.T.S.



TYPICAL WORK ZONE ON RAMP
N.T.S.



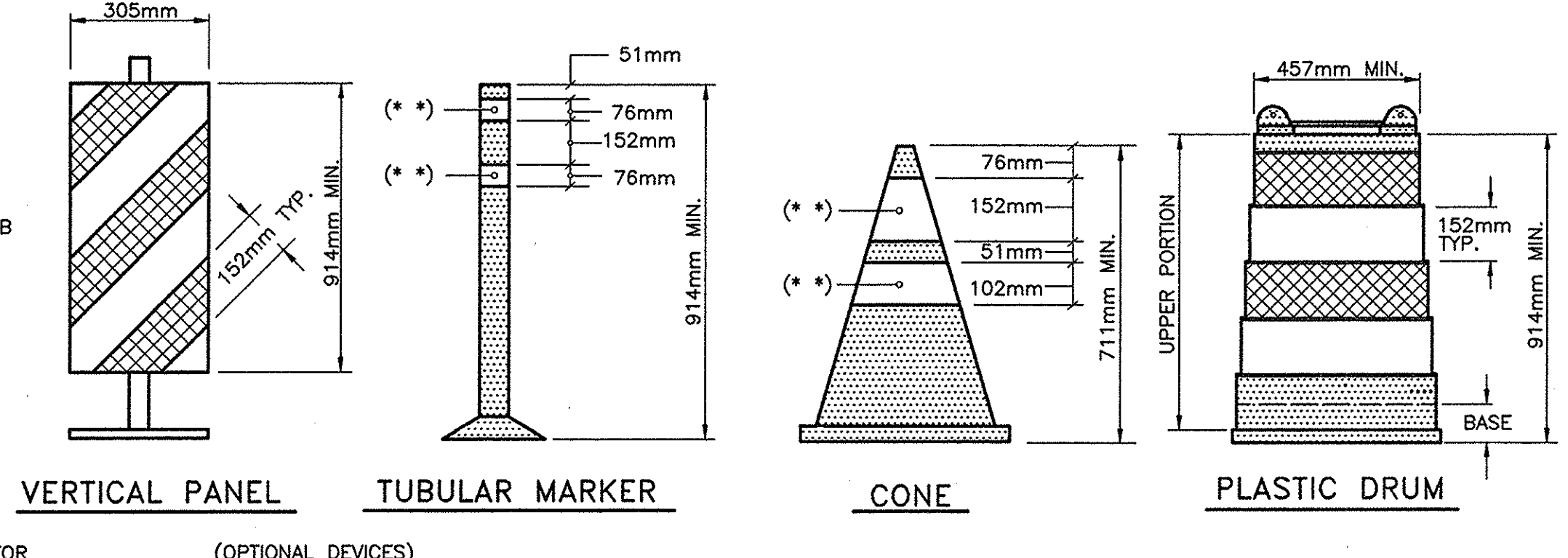
SIGNS
N.T.S.

NOTE: ALL "W" SERIES SIGNS SHALL BE BLACK LEGEND ON FLOURESCENT ORANGE BACKGROUND.

- LEGEND**
- WHITE REFLECTORIZED SHEETING, CLASS B (3M, 3800 SERIES OR EQUAL)
 - ORANGE REFLECTORIZED SHEETING, CLASS B (3M, 3800 SERIES OR EQUAL)
 - NON-REFLECTORIZED ORANGE
 - (*) APPROVED REFLECTORIZED WHITE BAND OR COLLAR (CLASS B OR C) -REQUIRED FOR NIGHT USE.

NOTE

OPTIONAL DEVICES MAY BE SUBSTITUTED FOR CONES WITH THE APPROVAL OF THE ENGINEER.



TRAFFIC CONTROL DEVICES
N.T.S.

No as-built
Revisions

NOTES

- A. EXISTING PAVEMENT MARKINGS SHALL BE MAINTAINED BY THE CONTRACTOR WITHIN PROJECT LIMITS. IF CONTRACTOR 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. 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.
- B. ON ANY SECTION OF THE EXPRESSWAY, WHERE THE MAINLINE ADJACENT TO AN ACCELERATION LANE IS REDUCED TO A SINGLE THROUGH LANE, "YIELD" (R1-2D) AND "YIELD AHEAD" (W2-16D) SIGNS MUST BE PLACED ON THE ACCELERATION LANE (ENTRANCE RAMP) IN ACCORDANCE WITH THE GUIDELINES ESTABLISHED IN THE N.Y.S.M.U.T.C.D..

LEGEND

- FLAGGER
- EXISTING PAVEMENT MARKINGS (BROKEN OR SOLID)
- REMOVAL OF EXISTING PAVEMENT MARKINGS DURING CONSTRUCTION
- TEMPORARY PAVEMENT MARKING FOR CONSTRUCTION (SEE NOTE A)
- SIGN
- WORK AREA
- XX } APPROPRIATE EXIT NUMBER OR DISTANCE
- XXX }
- TRAFFIC CONES (SPACING AS SHOWN)
- DRUM
- * USE ONLY FOR LANE CLOSURE ON TWO-LANE RAMPS
- ** ONLY IF WORK ENDS HERE
- † USE ONLY WHEN FLAGGER IS ON DUTY
- †† REMOVE DURING NON-WORK HOURS

NOTE:
IF NECESSARY, CONSULT THE DIVISION TRAFFIC SUPERVISOR FOR OTHER VARIATIONS.

DATE	DESCRIPTION	BY	SYM.

REVISIONS

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

TITLE OF PROJECT
INSTALLATION OF PROTECTIVE SCREENING ON 16 BRIDGES OVER THE THRUWAY

LOCATION OF PROJECT
M.P. 74.17 TO M.P. 175.12

TITLE OF DRAWING
TRAFFIC CONTROL AT INTERCHANGES, SERVICE AREAS AND PARKING AREAS



CONTRACT NUMBER:
TA 00-70F

DATE:
6/00

DRAWING NUMBER:
12

