

Record Plans

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ALBANY DIVISION
PLANS FOR
UPGRADING OF TRAFFIC
MONITORING STATIONSAT
VARIOUS LOCATIONS
IN
VARIOUS COUNTIES

44 SHEETS

TAA 02-71I

D213292

TYPE OF CONSTRUCTION:

TRAFFIC MONITORING STATION UPGRADE

STANDARD SHEETS:

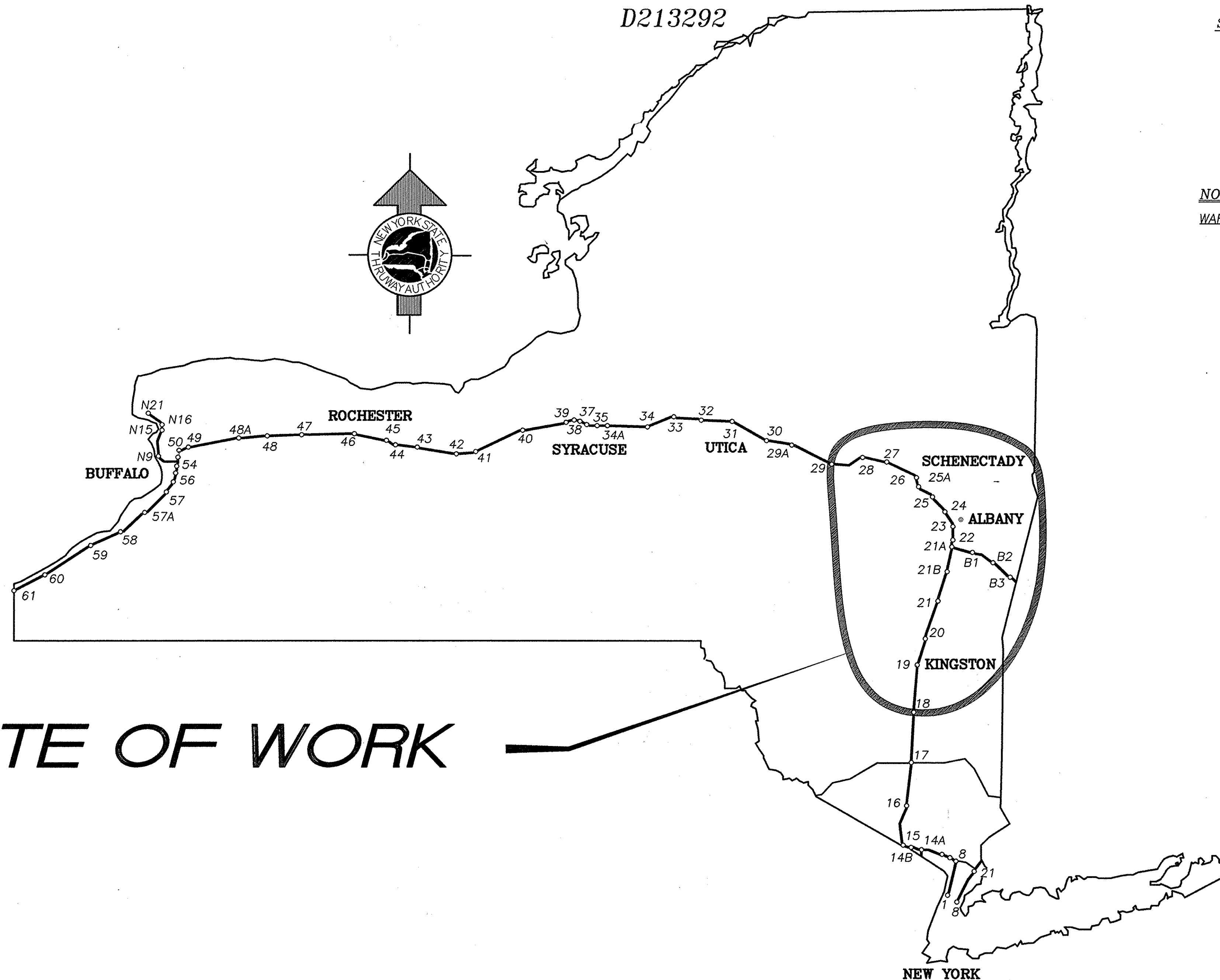
M645-72, M645-76, M680-12, M680-16

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.

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.



SITE OF WORK

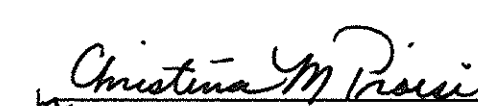
CONTRACTOR'S NAME:
PLANERT UTILITY, INC.
AWARD DATE: **1/30/03**
COMPLETION DATE: **12/18/03**
FINAL ACCEPTANCE DATE: **3/11/04**
INSPECTION FIRM'S NAME: **NYSTA**
RESIDENT ENG./EIC: **M. WILK**
FINAL COST TOTAL: **\$ 4,061,199.07**

FISCAL SHARE	COST(S)
1	\$ 406,199.07

INSPECTION FIRM
CONSULTANT STAMP:

ALBANY DIVISION CONSTRUCTION
ENGINEER

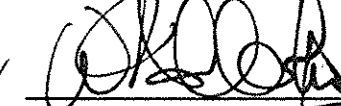
RECOMMENDED BY:


DIRECTOR, OFFICE OF DESIGN11/13/02
DATE

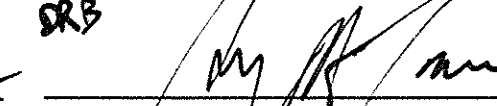
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DIRECTOR, OFFICE OF TRAFFIC ENGINEERING11/12/02
DATE

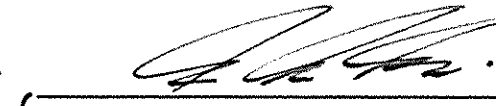
RECOMMENDED BY:


DIRECTOR, OFFICE OF CONTRACTS, AND CONSTRUCTION MANAGEMENT11/12/02
DATE

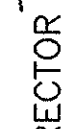
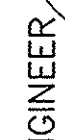
RECOMMENDED BY:


DIRECTOR OF MAINTENANCE ENGINEERING11/13/02
DATE

APPROVED BY:


DIRECTOR OF ENGINEERING SERVICES11/13/02
DATE

DRW 528

REVIEWED BY:  5/11/04THRUWAY AUTHORITY PROGRAM DIRECTOR PROJECT ENGINEER 

IN CHARGE OF: DESIGNED BY: DRAFTED BY: CHECKED BY: C:\2002\TSS2\GN1.dwg

GENERAL NOTES

1. CONCRETE DATA: THE MINIMUM CONCRETE COMPRESSIVE STRENGTH SHALL BE 21 MPa - "NORMAL", AND 35 MPa - "HP" AT 28 DAYS.
2. THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE FACT THAT NO SPOIL AREA FOR SURPLUS MATERIALS IS AVAILABLE FOR THIS CONTRACT WITHIN THE AUTHORITY'S RIGHT-OF-WAY. THEREFORE, ALL MATERIAL TO BE REMOVED FROM THE JOB SITE SHALL BE DISPOSED OF BY THE CONTRACTOR OFF THE AUTHORITY'S PROPERTY. ALL COSTS ASSOCIATED WITH THE SPOIL AREA AND REMOVAL OF SPOIL MATERIAL SHALL BE INCLUDED IN THE VARIOUS ITEMS OF THE CONTRACT.
3. ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH NFPA-70 (NATIONAL ELECTRICAL CODE).
4. THE CONTRACTOR SHALL NOTIFY DIVISION INTELLIGENT TRANSPORTATION SYSTEMS MAINTENANCE (ITS) AT LEAST ONE WEEK IN ADVANCE OF ANY WORK REQUIRING THAT MAY EFFECT EXISTING ITS EQUIPMENT (VMS, HAR, ETC.).

REMOVAL, EXCAVATION AND BACKFILL NOTES

1. 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 IN THE CONTRACT.
2. CARE SHALL BE TAKEN TO RETAIN NATURAL GROWTH AND PREVENT DAMAGE TO TREES WITHIN AND OUTSIDE THE LIMITS OF CONSTRUCTION, AND NOT SCHEDULED FOR REMOVAL. ANY DAMAGE CAUSED TO THIS NATURAL GROWTH SHALL BE RESTORED AT THE EXPENSE OF THE CONTRACTOR AS DIRECTED BY THE ENGINEER.
3. STREAM CONSERVATION: THE CONTRACTOR SHALL CONDUCT HIS/HER OPERATIONS TO THE SATISFACTION OF THE ENGINEER 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/SHE 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 SIMILAR OPERATIONS WHICH COULD CAUSE THIS WATER TO BECOME POLLUTED WITH SAND, SILT, CEMENT, OIL, OR OTHER IMPURITIES. IF HE/SHE USES WATER FROM A STREAM, HE/SHE SHALL CONSTRUCT AN INTAKE OR TEMPORARY DAM TO PROTECT AND MAINTAIN WATER RIGHTS AND TO SUSTAIN FISH LIFE DOWNSTREAM. THESE TEMPORARY MEASURES SHALL BE REMOVED AND THE AREA RESTORED AT THE COMPLETION OF THE WORK.
4. EXISTING CONDUITS THAT ARE TO BE ABANDONED SHALL BE CAPPED OR PLUGGED TO THE SATISFACTION OF THE ENGINEER IN-CHARGE. EXISTING WIRES NOT NEEDED SHALL BE REMOVED AND DISPOSED. COST OF THIS WORK SHALL BE INCLUDED IN THE BID PRICE FOR VARIOUS ITEMS OF THE CONTRACT.

ADESTA COMMUNICATIONS FIBER OPTIC CABLE

THE CONTRACTORS ATTENTION IS DIRECTED TO THE FACT THAT A FIBER OPTIC CABLE EXISTS ALONG THE THRUWAY CORRIDOR. THE CONTRACTOR SHALL CALL ADESTA AT 1-888-637-2344 PRIOR TO DOING ANY WORK AT LOCATIONS WITH ADESTA FIBER OPTIC CABLE ON SITE.

SOLAR PANEL INSTALLATION

1. PANELS SHALL BE ORIENTED FACING DUE SOUTH UNLESS OTHERWISE NOTED IN THE PLANS.
2. THE ANGLE BETWEEN THE PANEL FACE AND LEVEL SHALL BE 57° UNLESS OTHERWISE NOTED ON THE PLANS.

WORK PADS

1. NEW WORK PADS SHALL BE 914mm x 914mm. CONCRETE WORKPADS SHALL BE 100mm THICK. PLASTIC / FIBERGLASS WORKPAD THICKNESS SHALL BE APPROVED BY THE EIC.

TYPE B SIGN POST INSTALLATION

1. TYPE B SIGN POSTS SHALL BE DRIVEN WITH APPROVED EQUIPMENT AND METHODS THAT WILL LEAVE THE POSTS IN THE FINAL POSITION, FREE OF ANY DISTORTION, BURRING OR OTHER DAMAGE.
2. WHERE SITE CONDITIONS ARE SUCH THAT DRIVING IS NOT POSSIBLE, POST HOLES SHALL BE EXCAVATED IN ACCORDANCE WITH NYSOT STANDARD SPECIFICATIONS SECTION 203 - EXCAVATION AND EMBANKMENT AND CONCRETE FOUNDATIONS INSTALLED. COSTN TO BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 645.830202M.
3. ALL POSTS SHALL BE ALIGNED TO A TOLERANCE OF 6mm FOR PLUMB AND GRADE LINE.

EXISTING TELEPHONE SERVICE

1. EXISTING TELEPHONE SERVICE FOR TRAFFIC MONITORING STATIONS TO BE DISCONNECTED. TELEPHONE SERVICE FOR VMS TO REMAIN.

ESTIMATE OF QUANTITIES				
ITEM	DESCRIPTION	UNIT	ESTIMATE	FINAL
25203.0201M	UNCLASS REMOVAL & DISPOSAL OF EQUIPMENT OR MATERIALS	EA	34.0	30.0
206.03M	CONDUIT EXCAVATION AND BACKFILL	M	425.0	421.11
25608.010101M	WORK PAD	EA	12.0	12.00
25608.010201M	RESET WORK PAD	EA	20.0	20.00
619.01M	BASIC MAINTENANCE & PROTECTION OF TRAFFIC	LS	NEC	100.00
619.02M	CONSTRUCTION SIGNS	LS	NEC	100.00
619.0303M	FLASHING ARROW BOARDS	LS	NEC	100.00
25637.060102M	ENGINEER'S OFFICE -- TYPE B	MOS	9.0	9.0
645.830202M	TYPE B SIGN PT, GALV W150X13.5 SECTION, BI-DIRECTIONAL BASE	EA	65.0	67.00
670.7007M	SINGLE CONDUCTOR CABLE 12 GAGE	M	650.0	320.59
670.7501M	GRND WIRE NO. 6 AWG	M	525.0	672.60
680.510501M	PULLBOX -- RECTANGULAR 650MM X 450MM REINF. CONC.	EA	3.0	5.00
680.520705M	TRAF SIGN CON, RIG PLAS, CLS 1 OR 2, 1 1/2 NPS	M	90.0	123.02
680.520708M	CONDUIT, RIGID PLASTIC CLASS 1 OR 2, 3 NPS	M	330.0	321.35
680.71M	SHIELDED LEAD IN CABLE	M	2200.0	2504.73
25680.800101M	TMS UPGRADE EQUIPMENT, SOLAR TYPE B POST MOUNT	EA	26.0	26.00
25680.800202M	TMS UPGRADE EQUIPMENT, REMOTE SOLAR, EXISTING SUPPORT MOUNT	EA	3.0	0.00
25680.800301M	TMS UPGRADE EQUIPMENT, A-C, TYPE B POST MOUNT	EA	4.0	3.00
25680.803201M	NEMA 4X STAINLESS STEEL ENCL	EA	31.0	31.00
25697.01M	INTERIM PAYMENTS	D-C	0.0	0.00
25699.04M	MOBILIZATION	LS	NEC	100.00
25680.803302M	RELOCATE TMS EQUIPMENT	EA	1.00	1.00
900.0271	A-INSTALLATION OF ADDITIONAL SOLAR PANEL & BATTERY	EA	0.00	9.00
901.0271	A-TMS UPGRADE EQUIPMENT REMOTE SOLAR, TYPE B, POST MT.	EA	0.00	3.00
902.0271	FA-3" COMPRESSION TYPE CONNECTOR REPLACEMENT	J-C	0.00	2201.04
903.0271	A-TMS UPGRADE EQUIPMENT A.C.D.C & SOLAR, TYPE B, POST MT.	EA	0.00	1.00

WORK TO BE DONE

THE FOLLOWING IS A GENERAL DESCRIPTION OF THE WORK TO BE DONE UNDER THIS CONTRACT. THIS IS INTENDED TO GIVE THE CONTRACTOR A GENERAL DESCRIPTION OF THE WORK INVOLVED IN THIS CONTRACT AND IS NOT A COMPLETE LISTING OF ALL WORK TO BE DONE. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS EVEN THOUGH NOT SPECIFICALLY MENTIONED IN THIS LIST.

1. TRAFFIC MONITORING STATION EQUIPMENT INSTALLATION.
2. CONDUIT EXCAVATION & BACKFILL.
3. CONDUIT & WIRING INSTALLATION.
4. MISCELLANEOUS WORK.

LEGEND

- =EXISTING PULLBOX
- =PROPOSED PULLBOX
- =EXISTING TMS CABINET
- =PROPOSED TMS CABINET
- =SOLAR PANEL
- =EXISTING LIGHT POLE
- =EXISTING UTILITY POLE
- UE— =UNDERGROUND ELECTRICAL LINE
- OE— =OVERHEAD ELECTRICAL LINE
- UG— =UNDERGROUND GAS LINE
- UGF— =UNDERGROUND FIBER OPTICS CABLE
- W— =UNDERGROUND WATER LINE
- UT— =UNDERGROUND TELEPHONE LINE
- OT— =OVERHEAD TELEPHONE LINE

- (11) =NUMBER IN () INDICATES QUANTITY OF WIRES, CONDUITS, ETC. TO BE INSTALLED.
- (8)

"AS-BUILT REVISIONS"

DATE	DESCRIPTION	BY	SYM.
12/19/03	FINAL QUANTITIES	M. WILK	(1)

REVISIONS

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

TITLE OF PROJECT
UPGRADING OF TRAFFIC MONITORING STATIONS

LOCATION OF PROJECT
VARIOUS LOCATIONS IN ALBANY DIVISION

TITLE OF DRAWING

GENERAL NOTES & ESTIMATE OF QUANTITIES



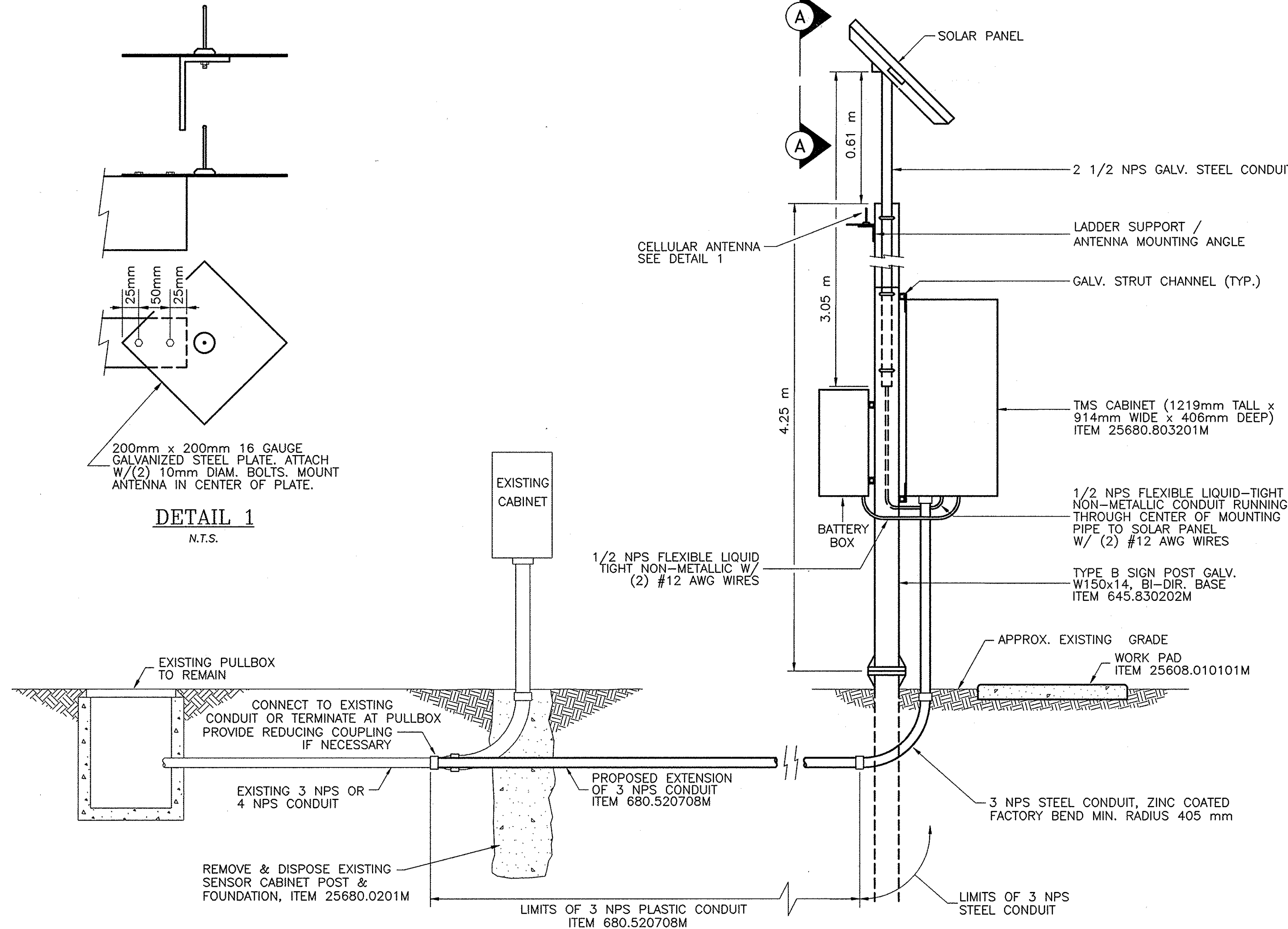
CONTRACT NUMBER:
TAA 02-711

DATE:
2002

DRAWING NUMBER:
GN-1

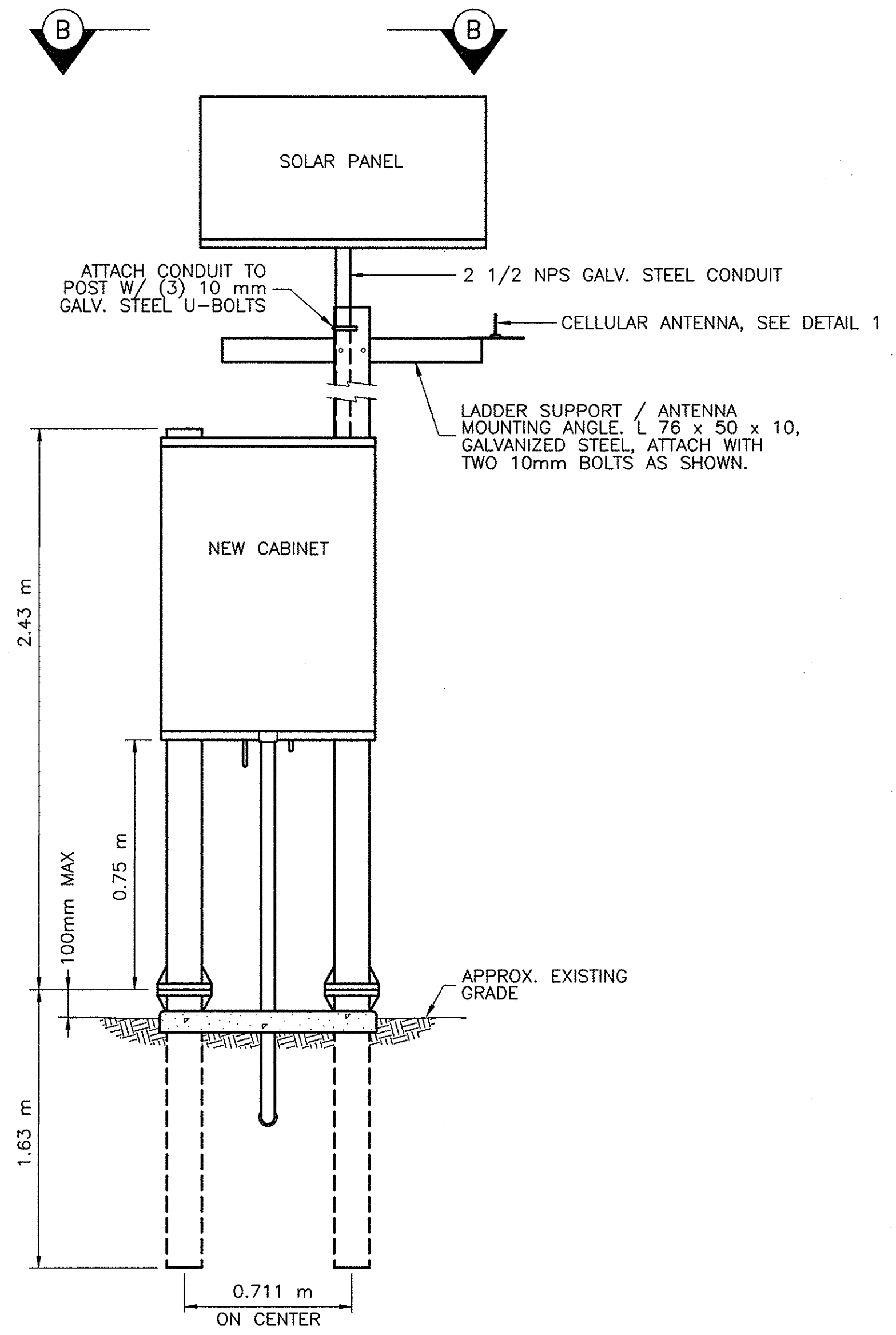
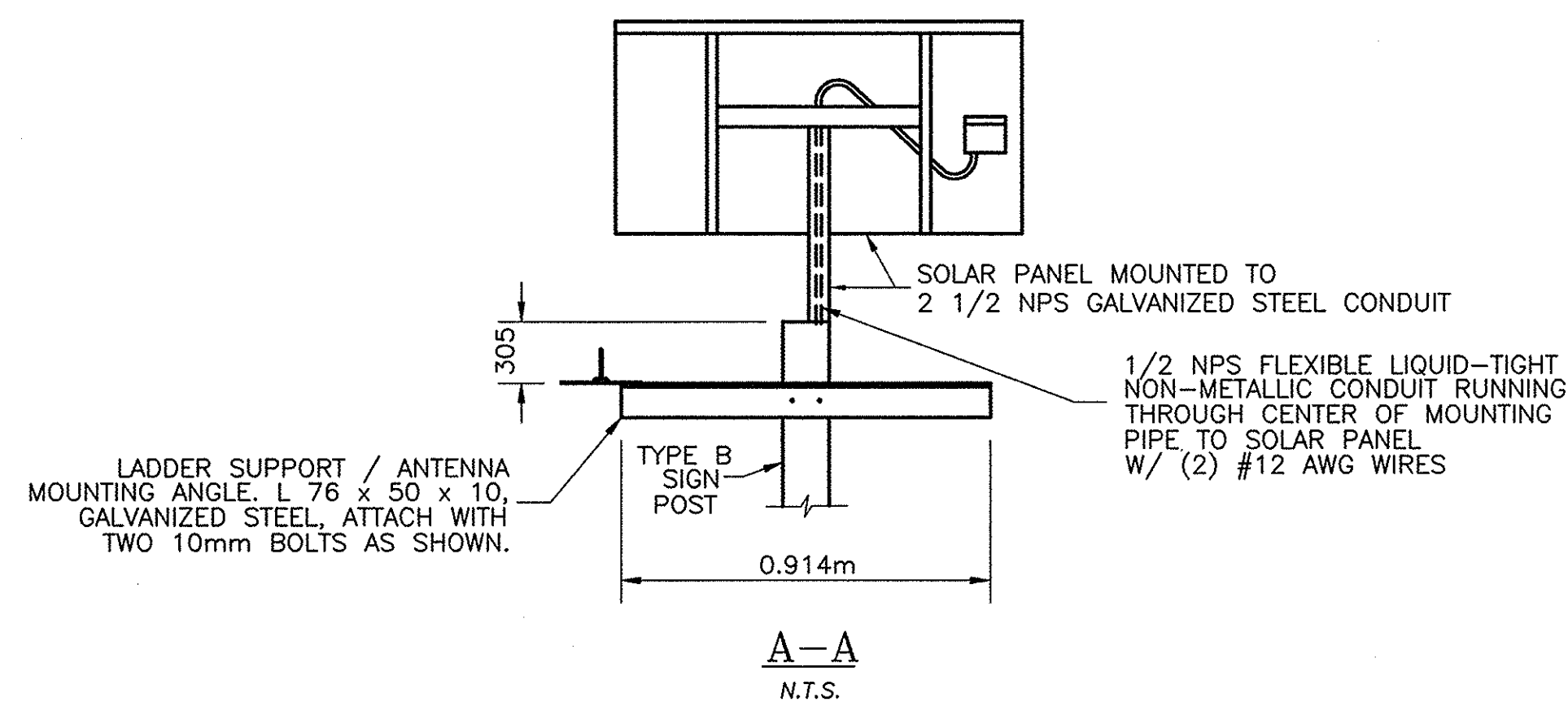
ALBANY DIVISION CONSTRUCTION ENGINEER

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

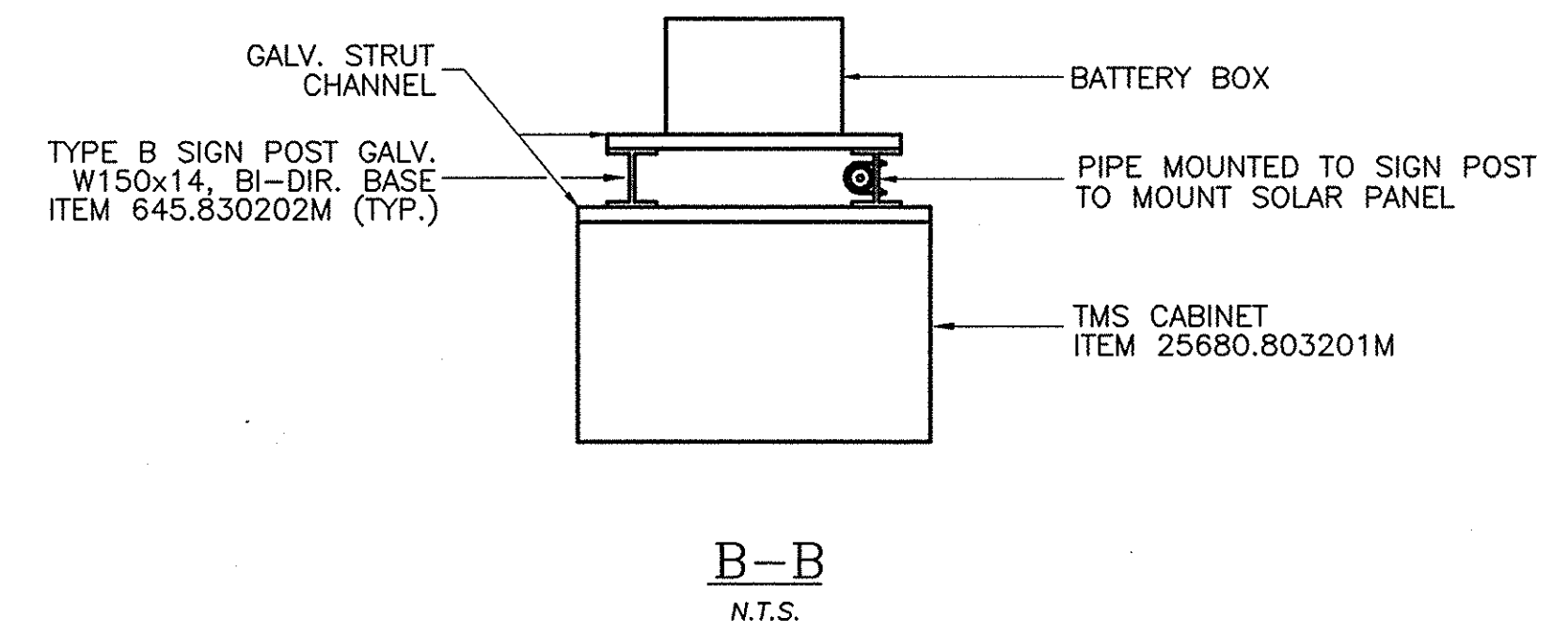


- NOTES:**
1. ALL OF THE ABOVE WORK, UNLESS OTHERWISE NOTED, TO BE PAID FOR UNDER ITEM 25680.800101M
 2. HARDWARE TO ATTACH STRUT CHANNEL TO POSTS AND CABINETS TO STRUT CHANNEL SHALL BE 10 mm DIA., GALVANIZED.
 3. CABINET SIZE SHALL BE 1219mm TALL x 914mm WIDE x 406mm DEEP.

**SIDE ELEVATION
SOLAR, TYPE B POST MOUNT
ITEM 25680.800101M
N. T. S.**



**FRONT ELEVATION
N. T. S.**



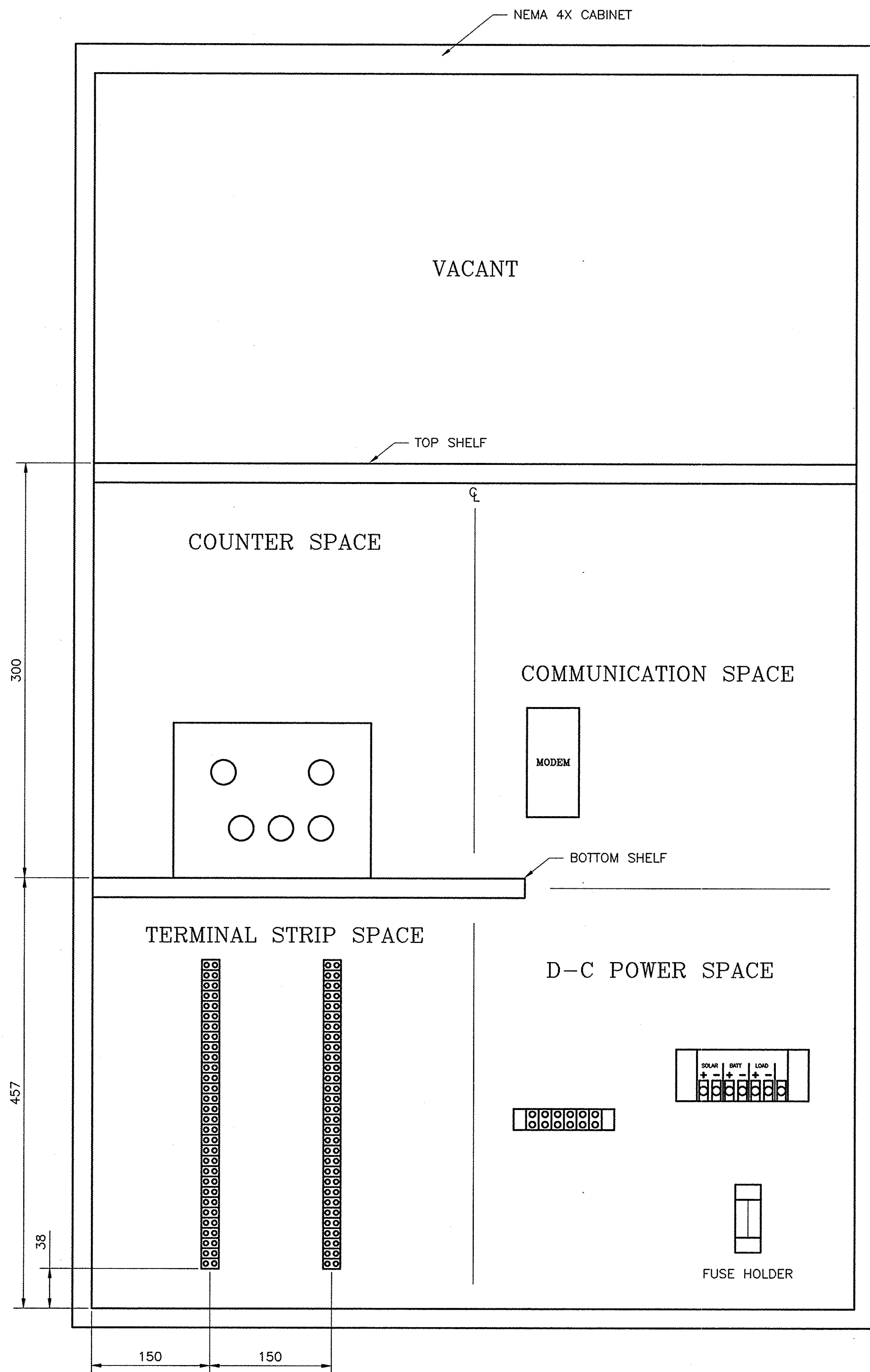
NOTE:
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"NO AS-BUILT REVISIONS"			
DATE	DESCRIPTION	BY	SYM.
REVISIONS			
NEW YORK STATE THRUWAY AUTHORITY DEPARTMENT OF ENGINEERING AND MAINTENANCE 200 SOUTHERN BLVD., ALBANY, N.Y. 12209			
TITLE OF PROJECT UPGRADING OF TRAFFIC MONITORING STATIONS			
LOCATION OF PROJECT VARIOUS LOCATIONS IN ALBANY DIVISION			
TITLE OF DRAWING SOLAR DETAILS			
	CONTRACT NUMBER: TAA 02-711		
	DATE: 2002		
	DRAWING NUMBER: D-1		

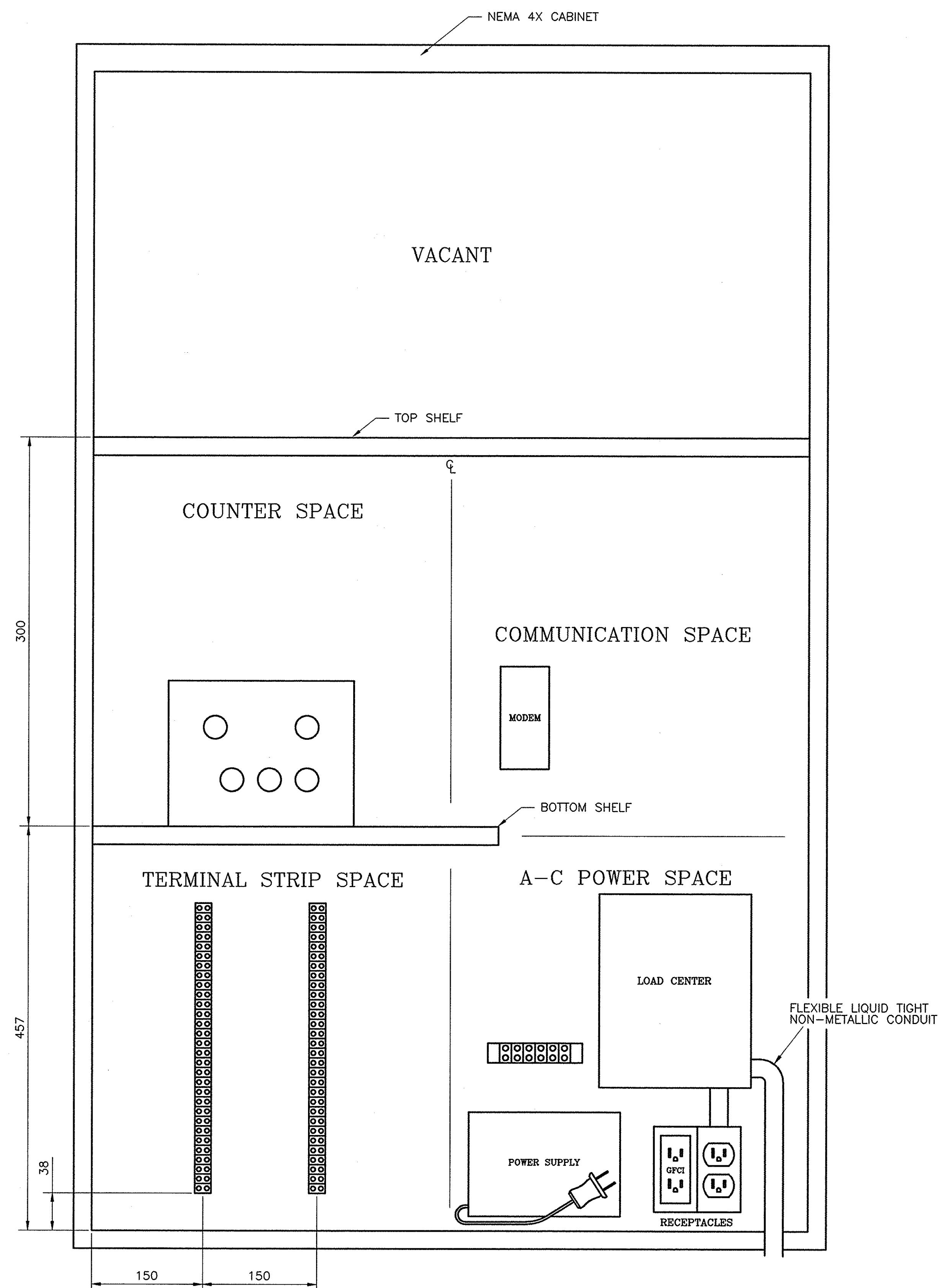


DATE	DESCRIPTION	BY	SYN
REVISIONS			
NEW YORK STATE THRUWAY AUTHORITY DEPARTMENT OF ENGINEERING AND MAINTENANCE 200 SOUTHERN BLVD., ALBANY, N.Y. 12209			
TITLE OF PROJECT UPGRADING OF TRAFFIC MONITORING STATIONS			
LOCATION OF PROJECT VARIOUS LOCATIONS IN ALBANY DIVISION			
TITLE OF DRAWING REMOTE SOLAR DETAILS			
		CONTRACT NUMBER: TAA 02-711	
		DATE: 2002	
		DRAWING NUMBER: D-2	

C:\2002\Tas2\04.DWG
CHECKED BY:
DRAFTED BY:
DESIGNED BY:
IN CHARGE OF:



CABINET LAYOUT, D-C POWER
N.T.S.



CABINET LAYOUT, A-C POWER
N.T.S.

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

"No As-Built Revisions"			
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 UPGRADING OF TRAFFIC MONITORING STATIONS			
LOCATION OF PROJECT VARIOUS LOCATIONS IN ALBANY DIVISION			
TITLE OF DRAWING CABINET LAYOUT			
CONTRACT NUMBER: TAA 02-711		DATE: 2002	
DRAWING NUMBER: D-4			



GROUNDING DIAGRAM

GROUND WIRES FROM LOOP WIRES

GROUND WIRES FROM COAXIAL CABLES

GROUND LUG TO BACK PANEL

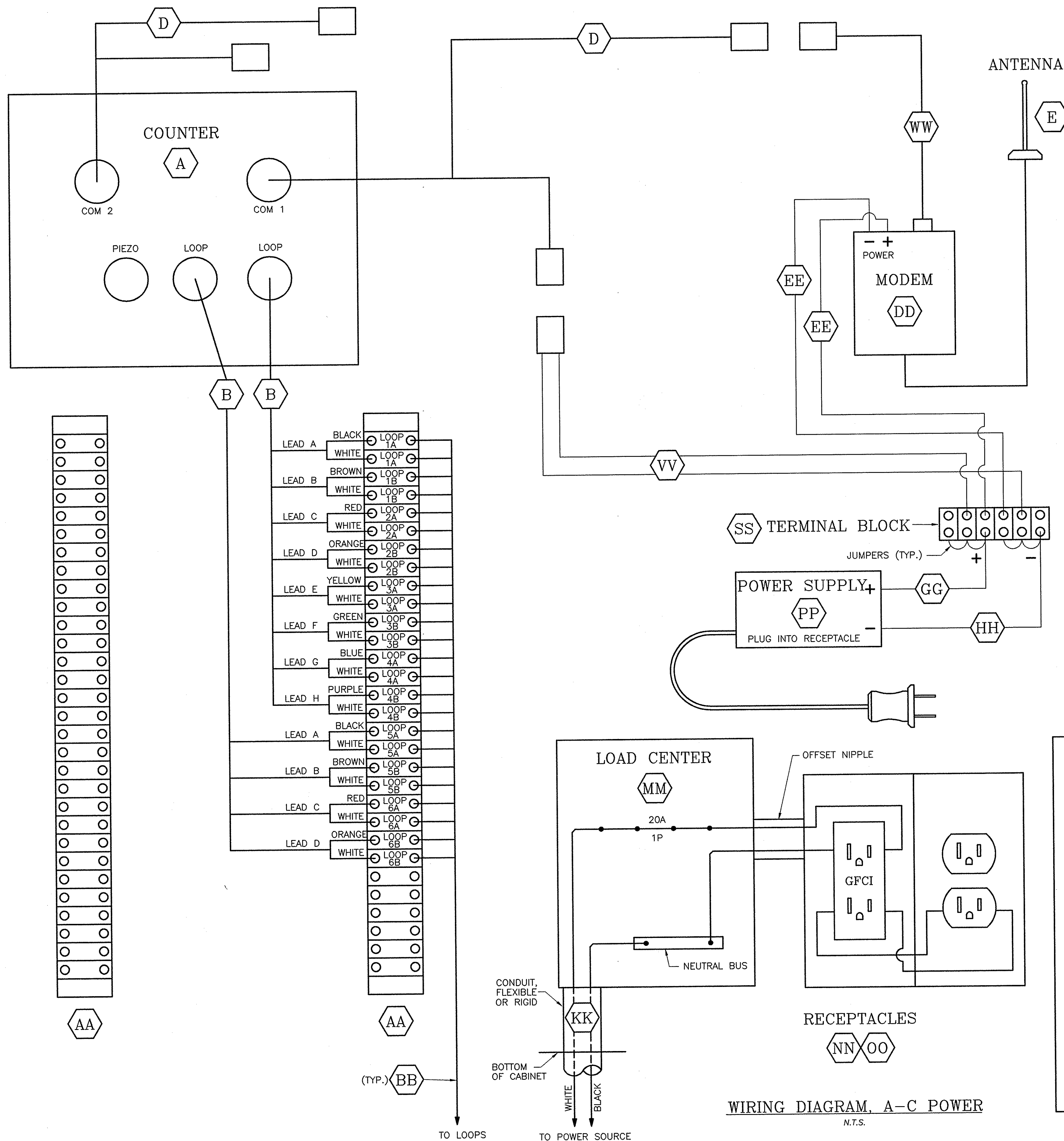
BONDING BUSHING ON 3 NPS CONDUIT

GROUND ROD IN PULLBOX

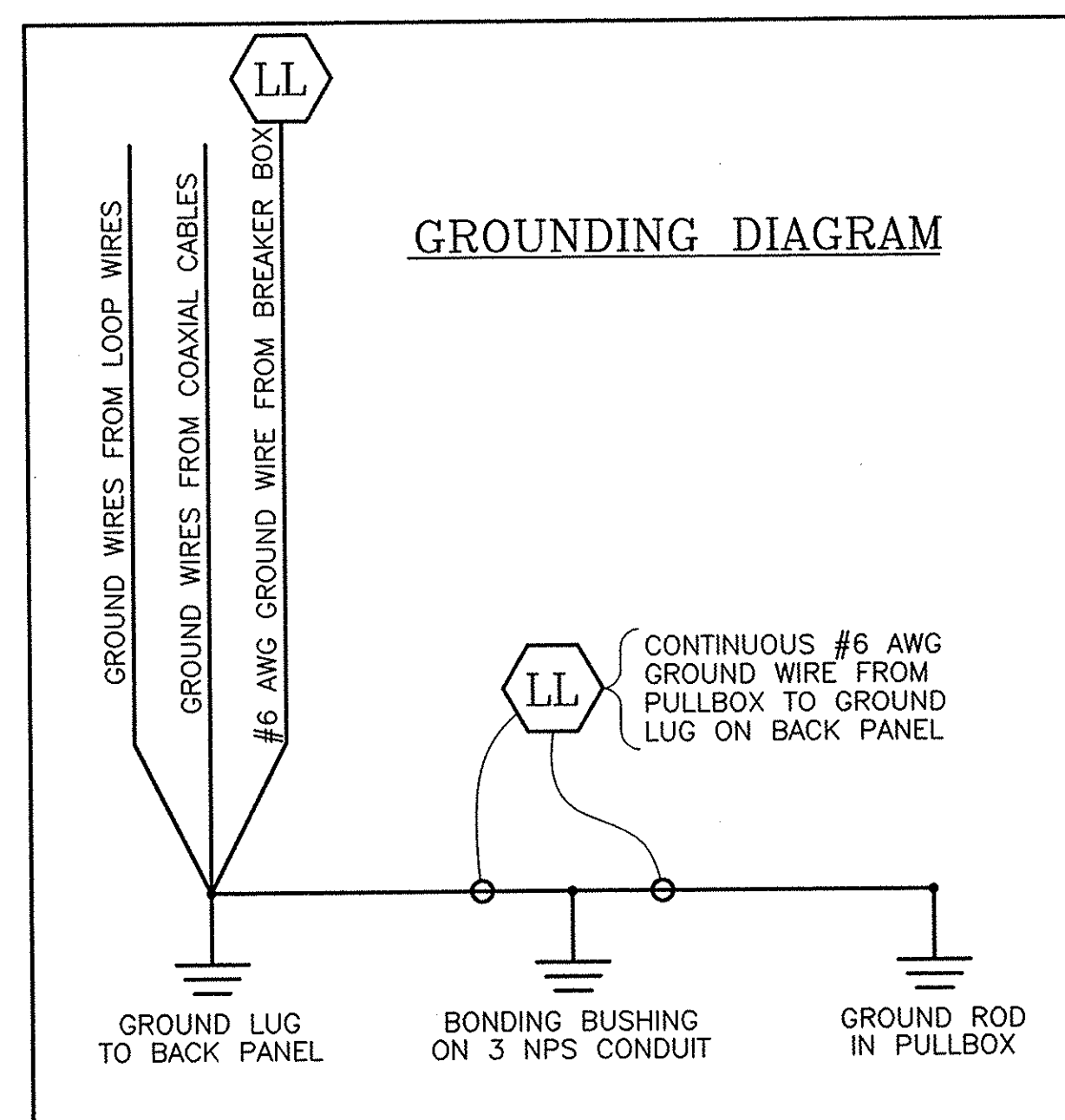
CONTINUOUS #6 AWG GROUND WIRE FROM PULLBOX TO GROUND LUG ON BACK PANEL

LL

"NO AS-BUILT REVISIONS"			
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			
UPGRADING OF TRAFFIC MONITORING STATIONS			
LOCATION OF PROJECT			
VARIOUS LOCATIONS IN ALBANY DIVISION			
TITLE OF DRAWING			
TYPICAL SITE WIRING			
		CONTRACT NUMBER:	
		TAA 02-711	
		DATE:	
		2002	
		DRAWING NUMBER:	
		D-5	



REF#	DESCRIPTION	ITEM
A	COUNTER-GOLDEN RIVER MARKSMAN M660	SUPPLIED BY THRUWAY
B	LOOP HARNESS	SUPPLIED BY THRUWAY
C	PIEZO AXLE HARNESS (WHERE REQUIRED)	SUPPLIED BY THRUWAY
D	COMBINED SERIAL COMMUNICATIONS CABLE RS-232 ASYNC & POWER CABLE	SUPPLIED BY THRUWAY
E	CELLULAR ANTENNA W/ LEAD	SUPPLIED BY THRUWAY
AA	TERMINAL STRIP - THIRTY PAIR	25680.80XXYYM
BB	SHIELDED - LEAD IN CABLES	680.71M
DD	MODEM	25680.80XXYYM
EE	MODEM POWER SUPPLY LEAD	25680.80XXYYM
GG	#12 AWG THHN WIRE (RED)	25680.80XXYYM
HH	#12 AWG THHN WIRE (BLACK)	25680.80XXYYM
KK	POWER SUPPLY WIRES - (2) #12 AWG WIRES (BLACK & WHITE)	670.7007M
LL	#6 AWG GROUND WIRE	670.7501M
MM	LOAD CENTER	25680.80XXYYM
NN	METAL ELECTRICAL BOX W/ COVER	25680.80XXYYM
OO	20 AMP DUPLEX RECEPTACLES	25680.80XXYYM
PP	POWER SUPPLY	25680.80XXYYM
SS	TERMINAL STRIP 6 PAIR MIN.	25680.80XXYYM
VV	POWER CABLE	25680.80XXYYM
WW	MODEM CONNECTION CABLE	25680.80XXYYM



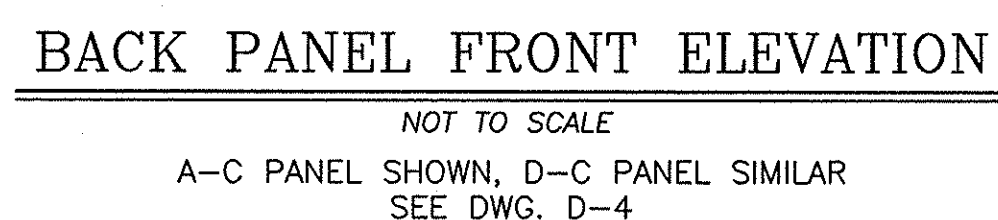
"NO AS-BUILT REVISIONS"

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 UPGRADING OF TRAFFIC MONITORING STATIONS			
LOCATION OF PROJECT VARIOUS LOCATIONS IN ALBANY DIVISION			
TITLE OF DRAWING TYPICAL SITE WIRING			
CONTRACT NUMBER: TAA 02-711		DATE: 2002	
DRAWING NUMBER: D-6			

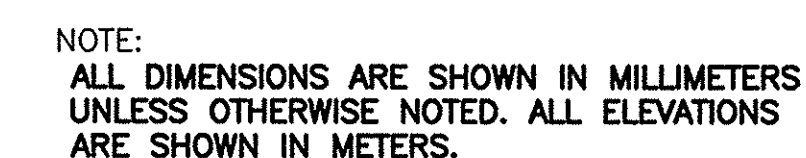
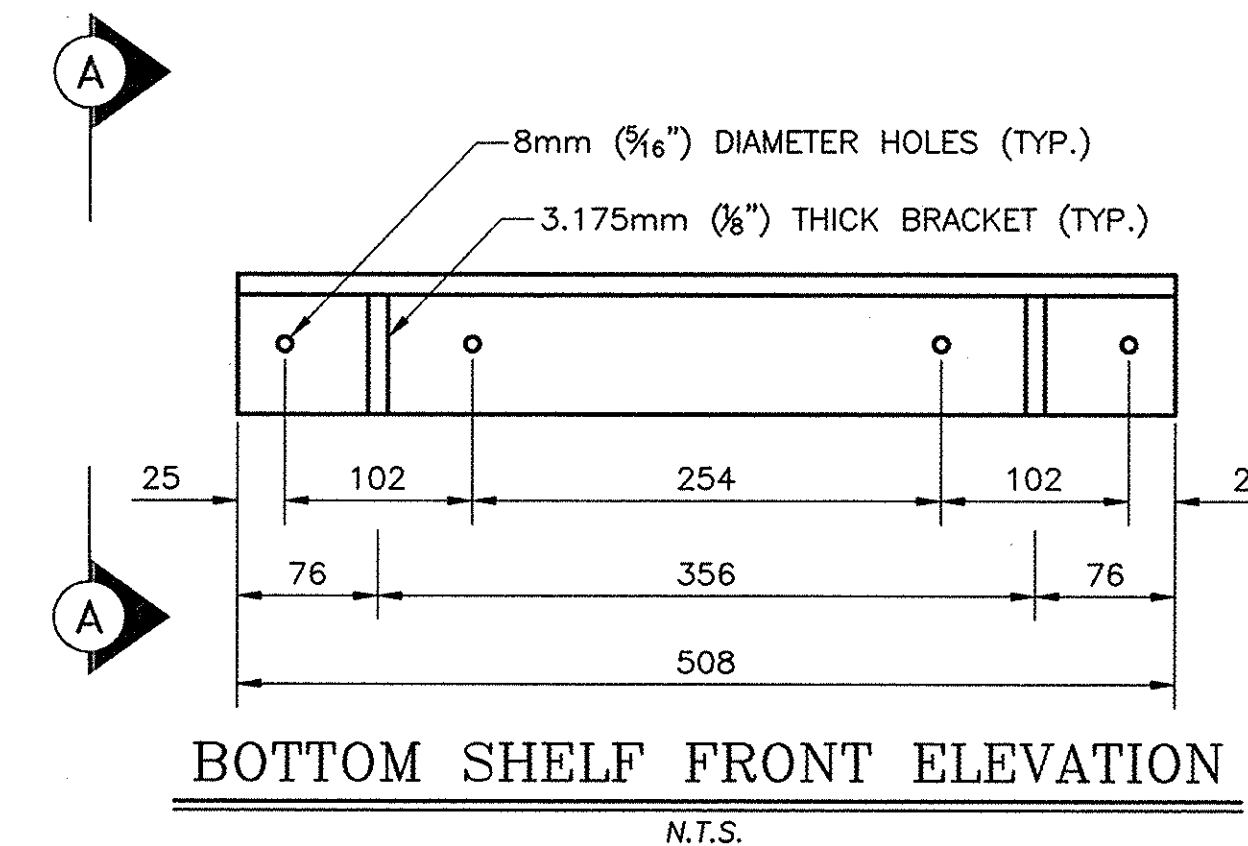


ITEM 206.03M
TYPICAL CONDUIT
EXCAVATION AND BACKFILL DETAIL

NOT TO SCALE

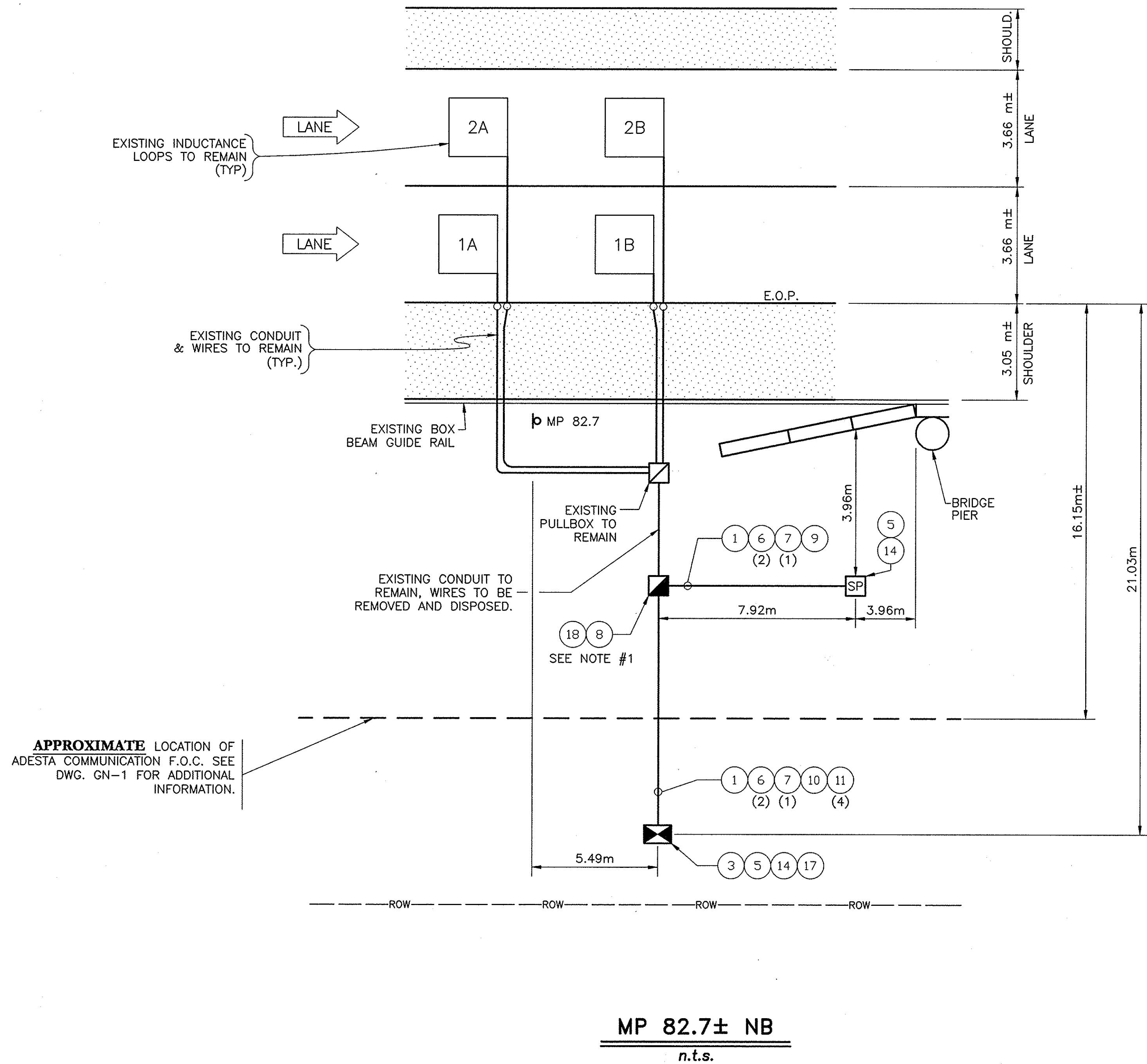


CABINET SHELF DETAILS
N.T.S.



"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 UPGRADING OF TRAFFIC MONITORING STATIONS			
LOCATION OF PROJECT VARIOUS LOCATIONS IN ALBANY DIVISION			
TITLE OF DRAWING CABINET LAYOUT			
		CONTRACT NUMBER: TAA 02-711	
		DATE: 2002	
		DRAWING NUMBER: D-7	

IN CHARGE OF: DESIGNED BY: DRAFTED BY: CHECKED BY: C:\2002\TSSA\MP82-7NB.DWG



REF#	ITEM	DESCRIPTION	UNIT	QUANTITY
1	206.03M	CONDUIT EXCAVATION & BACKFILL	M	19.0
3	25608.010201M	RESET WORK PAD	EA.	1.0
5	645.830202M	TYPE B, SIGN POST, GALV. W150x14, BI-DIR. BASE	EA.	3.0
6	670.7007M	SINGLE CONDUCTOR NO. 12 AWG	M	22.0
7	670.7501M	GROUND WIRE NO. 6 AWG	M	26.0
8	680.510501M	PULLBOX, RECTANGULAR 650mm x 450mm REINFORCED CONCRETE	EA.	1.0
9	680.520705M	CONDUIT, RIGID PLASTIC, 1 1/2 NPS	M	8.0
10	680.520708M	CONDUIT, RIGID PLASTIC, 3 NPS	M	11.0
11	680.71M	SHIELDED LEAD-IN CABLE	M	56.0
14	25680.800201M	TMS UPGRADE EQUIPMENT, REMOTE SOLAR, TYPE B POST MOUNT	EA.	1.0
17	25680.803201M	TMS CABINET	EA.	1.0
18	25203.0201M	UNCLASSIFIED EXCAVATION & DISPOSAL (POST & FOUNDATION)	EA.	1.0

NOTE:
1. EXISTING TMS CABINET FOUNDATION TO BE REMOVED AND DISPOSED. PROPOSED PULLBOX TO BE INSTALLED IN THE SAME LOCATION.

"NO AS-BUILT REVISIONS"

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 UPGRADING OF TRAFFIC MONITORING STATIONS			
LOCATION OF PROJECT VARIOUS LOCATIONS IN ALBANY DIVISION			
TITLE OF DRAWING PROPOSED PLAN			
CONTRACT NUMBER: TAA 02-711		DATE: 2002	
DRAWING NUMBER: 82.7NB			

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



n.t.s.

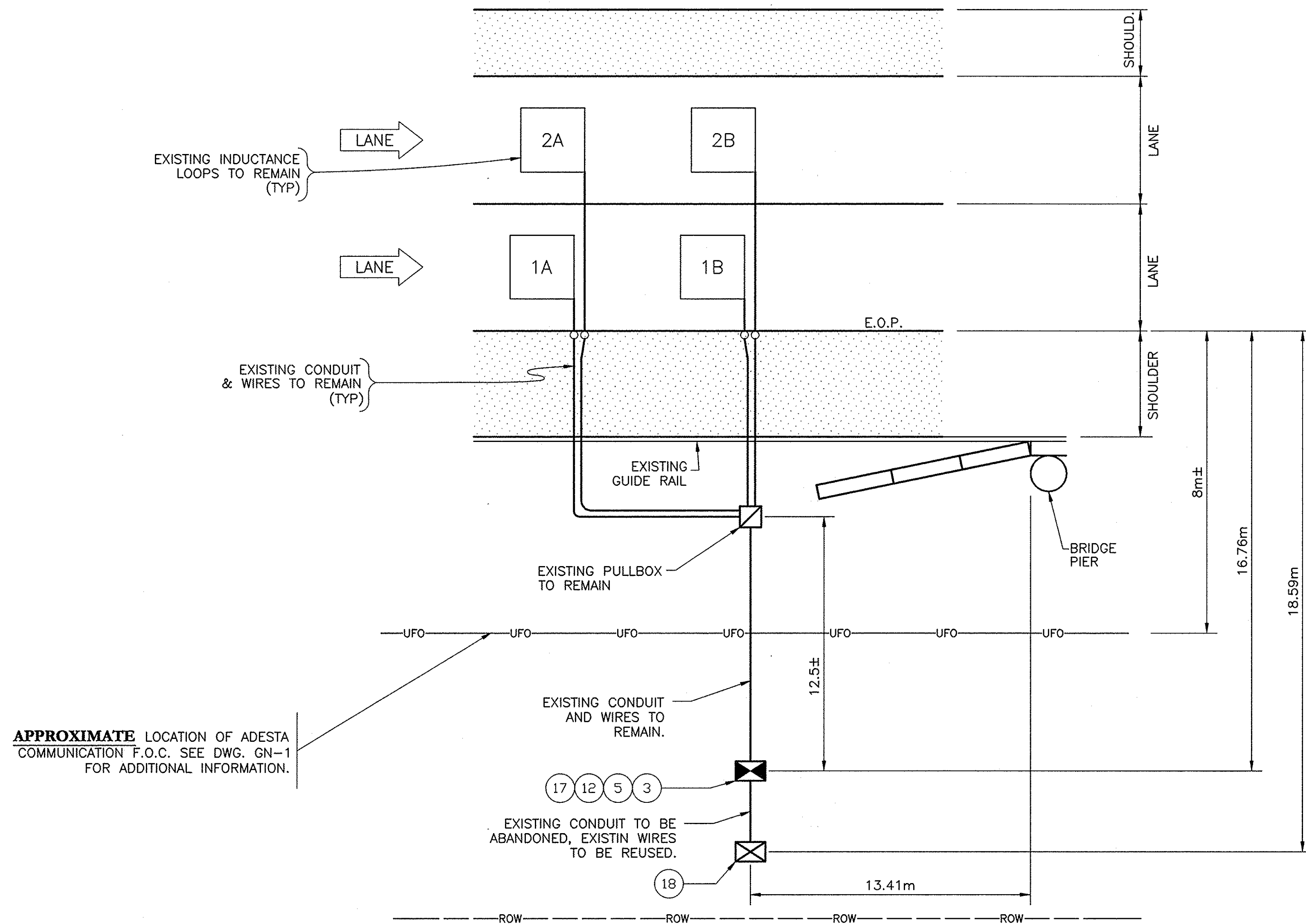
NOTE:

1. EXISTING CONDUIT TO REMAIN, EXISTING WIRES TO BE REMOVED & DISPOSED.

ALBANY DIVISION CONSTRUCTION
ENGINEER

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

6/17/83	ADD ^d SOLAR PANEL	C. LANGELOT		
DATE	DESCRIPTION	BY		SY
<i>REVISIONS</i>				
NEW YORK STATE THRUWAY AUTHORITY DEPARTMENT OF ENGINEERING AND MAINTENANCE 200 SOUTHERN BLVD., ALBANY, N.Y. 12209				
TITLE OF PROJECT UPGRADING OF TRAFFIC MONITORING STATIONS				
LOCATION OF PROJECT VARIOUS LOCATIONS IN ALBANY DIVISION				
TITLE OF DRAWING				
PROPOSED PLAN				
		CONTRACT NUMBER: TAA 02-711		
		DATE: 2002		
		DRAWING NUMBER: 85.3SB		



APPROXIMATE LOCATION OF ADESTA COMMUNICATION F.O.C. SEE DWG. GN-1 FOR ADDITIONAL INFORMATION.

MP 98.1 NB

n.t.s.

REF#	ITEM	DESCRIPTION	UNIT	QUANTITY
3	25608.010201M	RESET WORK PAD	EA.	1.0
5	645.830202M	TYPE B, SIGN POST, GALV. W150x14, BI-DIR. BASE	EA.	2.0
12	25680.800101M	TMS UPGRADE EQUIPMENT, SOLAR, TYPE B POST MOUNT	EA.	1.0
17	25680.803201M	TMS CABINET	EA.	1.0
18	25203.0201M	UNCLASSIFIED EXCAVATION & DISPOSAL (POST & FOUNDATION)	EA.	1.0

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

"NO AS-BUILT REVISIONS"

DATE	DESCRIPTION	BY	SYM.
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REVISIONS

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

TITLE OF PROJECT
UPGRADING OF TRAFFIC
MONITORING STATIONS

LOCATION OF PROJECT
VARIOUS LOCATIONS
IN ALBANY DIVISION

TITLE OF DRAWING

PROPOSED PLAN



CONTRACT NUMBER:

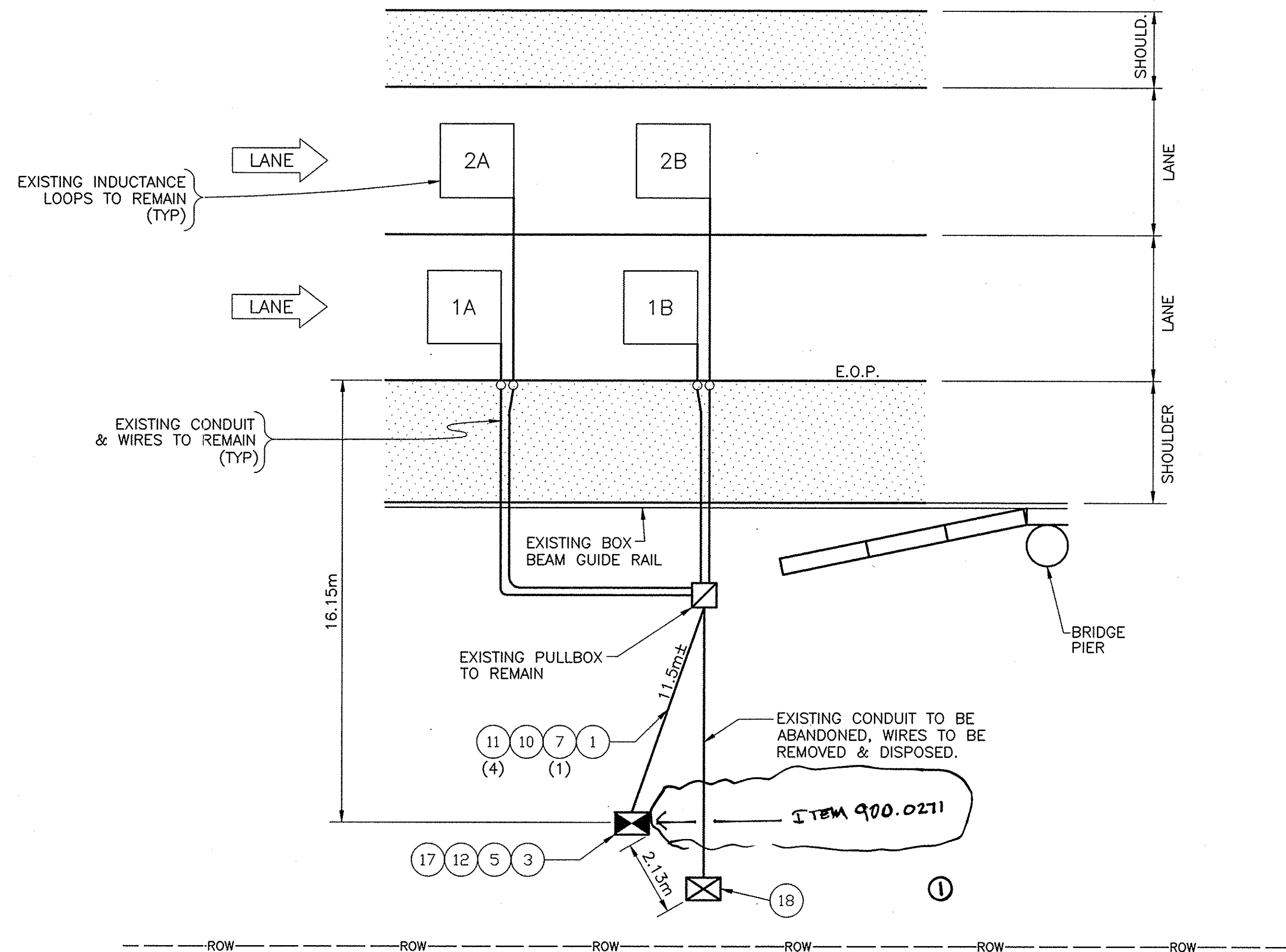
TAA 02-711

DATE:

2002

DRAWING NUMBER:

98.1NB

**MP 98.1 SB**

n.t.s.

REF#	ITEM	DESCRIPTION	UNIT	QUANTITY
1	206.03M	CONDUIT EXCAVATION & BACKFILL	M	12.0
3	25608.010201M	RESET WORK PAD	EA.	1.0
5	645.830202M	TYPE B, SIGN POST, GALV. W150x14, BI-DIR. BASE	EA.	2.0
7	670.7501M	GROUND WIRE NO. 6 AWG	M	15.0
10	680.520708M	CONDUIT, RIGID PLASTIC, 3 NPS	M	12.0
11	680.71M	SHIELDED LEAD-IN CABLE	M	60.0
12	25680.800101M	TMS UPGRADE EQUIPMENT, SOLAR, TYPE B POST MOUNT	EA.	1.0
17	25680.803201M	TMS CABINET	EA.	1.0
18	25203.0201M	UNCLASSIFIED EXCAVATION & DISPOSAL (POST & FOUNDATION)	EA.	1.0

ALBANY DIVISION CONSTRUCTION
ENGINEER

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

"AS BUILT REVISIONS"

DATE	DESCRIPTION	BY	SYM.
6/17/03	ADD 1 SOLAR PANEL	C. LANGELOTT	①

REVISIONS

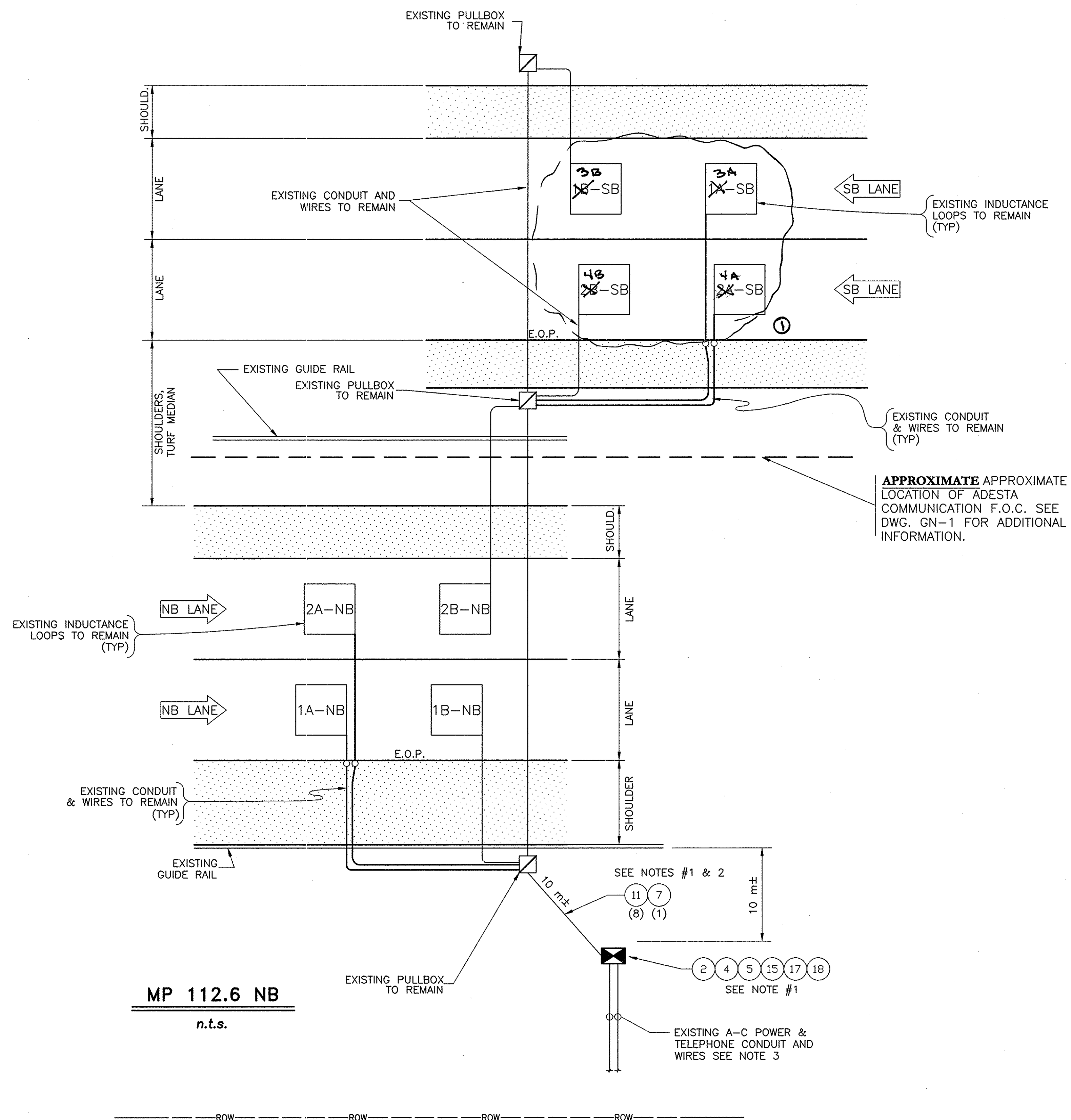
NEW YORK STATE THRUWAY AUTHORITY
DEPARTMENT OF ENGINEERING AND MAINTENANCE
200 SOUTHERN BLVD., ALBANY, N.Y. 12209

TITLE OF PROJECT
UPGRADING OF TRAFFIC
MONITORING STATIONS
LOCATION OF PROJECT
VARIOUS LOCATIONS
IN ALBANY DIVISION
TITLE OF DRAWING

PROPOSED PLAN



CONTRACT NUMBER:
TAA 02-711
DATE:
2002
DRAWING NUMBER:
98.1SB



REF#	ITEM	DESCRIPTION	UNIT	QUANTITY
2	25608.010101M	WORK PAD	EA.	1.0
4	25203.0201M	UNCLASSIFIED EXCAVATION & DISPOSAL (WORK PAD)	EA.	1.0
5	645.830202M	TYPE B, SIGN POST, GALV. W150x14, BI-DIR. BASE	EA.	2.0
7	670.7501M	GROUND WIRE NO. 6 AWG	M	13.0
11	680.71M	SHIELDED LEAD-IN CABLE	M	104.0
15	25680.800301M	TMS UPGRADE EQUIPMENT, A-C, TYPE B POST MOUNT	EA.	1.0
17	25680.803201M	TMS CABINET	EA.	1.0
18	25203.0201M	UNCLASSIFIED EXCAVATION & DISPOSAL (POST & FOUNDATION)	EA.	1.0

NOTE:

1. INSTALL PROPOSED TMS CABINET IN THE SAME LOCATION AS THE EXISTING CABINET. EXISTING CABINET IS BASE MOUNTED. COST OF REMOVING AND DISPOSING BASE FOUNDATION TO BE PAID FOR UNDER ITEM 25680.814231M. COST OF REMOVING AND DISPOSING EXISTING TMS CABINET TO BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 25680.803201M.
2. EXISTING CONDUIT TO REMAIN, EXISTING WIRES TO BE REMOVED AND DISPOSED.
3. NEW CABINET SHALL BE POSITION TO ALLOW FOR THE REUSE OF EXISTING A-C POWER CONDUITS AND WIRES. TELEPHONE CONDUIT AND WIRES TO BE ABANDON. COST TO BE INCLUDED IN THE UNIT BID FOR ITEM 25680.800301M.

"AS-BUILT REVISIONS"

DATE	DESCRIPTION	BY	SYM.
9/03	LOOP DESIGNATION	C. LANCELOT	①

REVISIONS

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

TITLE OF PROJECT
UPGRADING OF TRAFFIC
MONITORING STATIONS

LOCATION OF PROJECT
VARIOUS LOCATIONS
IN ALBANY DIVISION

TITLE OF DRAWING

PROPOSED PLAN



CONTRACT NUMBER:
TAA 02-711

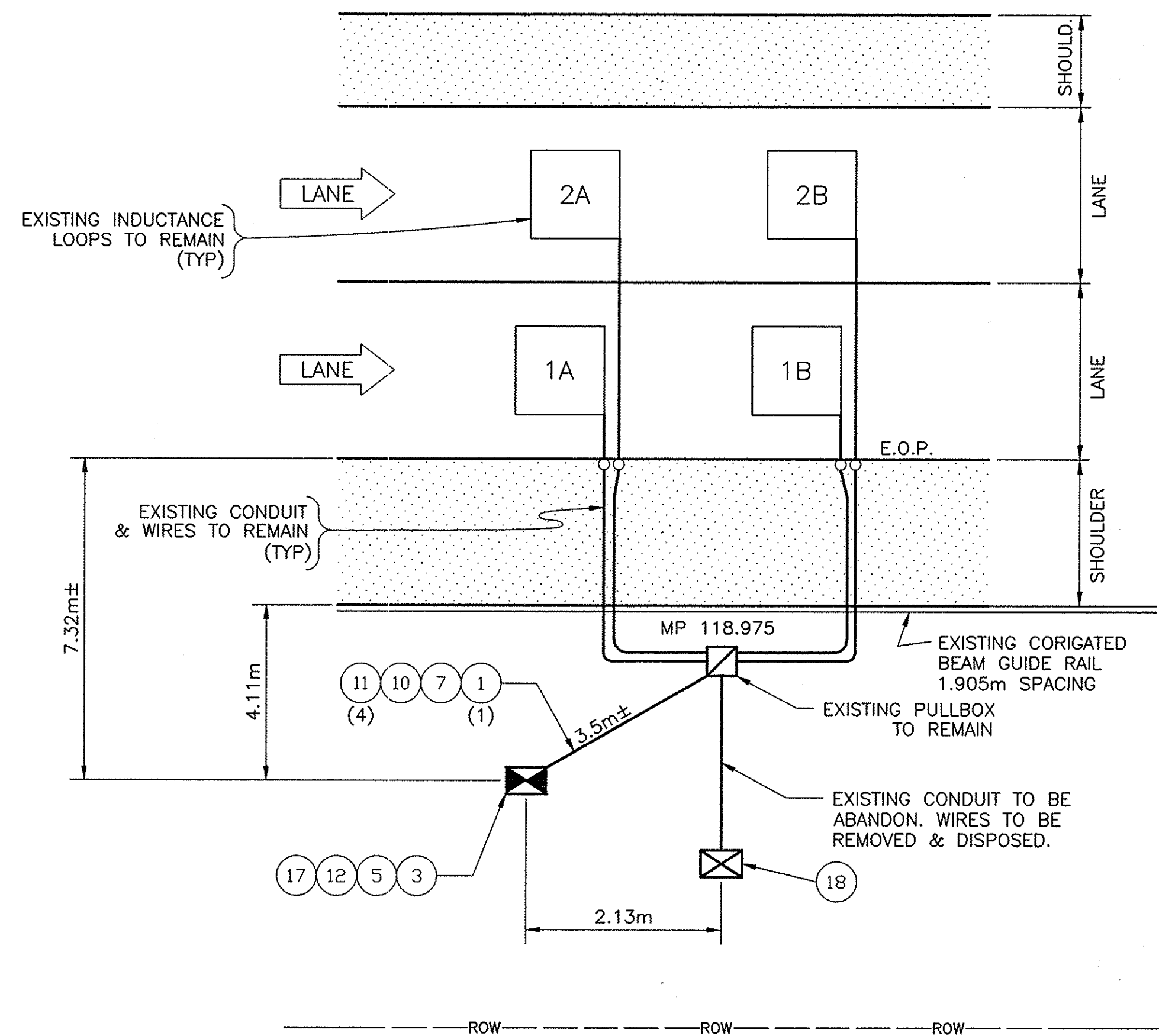
DATE:
2002

DRAWING NUMBER:
112.6NB

ALBANY DIVISION CONSTRUCTION
ENGINEER

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

G:\2002\TOS2\118.0SB.DWG
CHECKED BY:
DRAFTED BY:
DESIGNED BY:
IN CHARGE OF:



MP 118.0 SB
n.t.s.

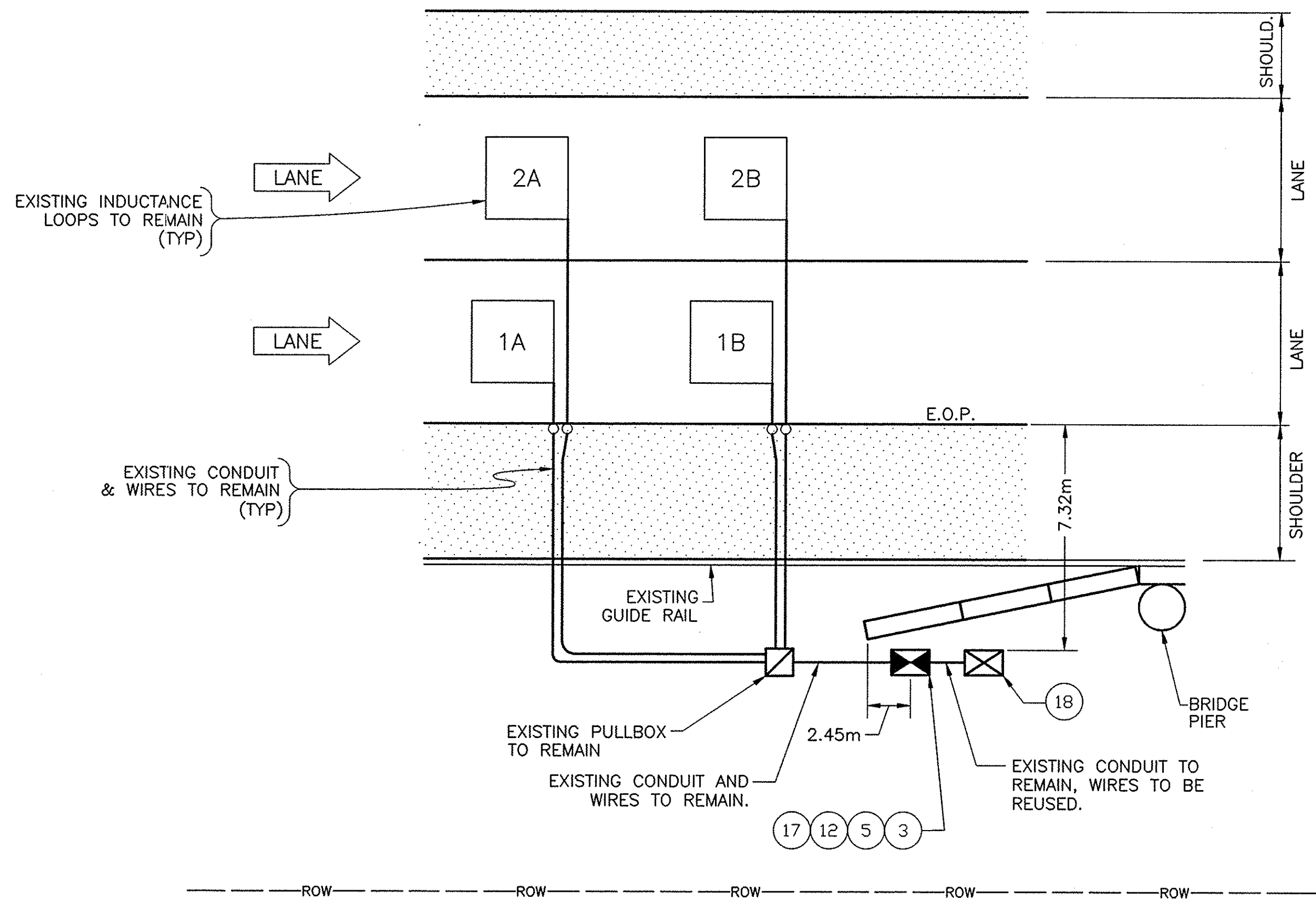
REF#	ITEM	DESCRIPTION	UNIT	QUANTITY
1	206.03M	CONDUIT EXCAVATION & BACKFILL	M	4.0
3	25608.010201M	RESET WORK PAD	EA.	1.0
5	645.830202M	TYPE B, SIGN POST, GALV. W150x14, BI-DIR. BASE	EA.	2.0
7	670.7501M	GROUND WIRE NO. 6 AWG	M	6.0
10	680.520708M	CONDUIT, RIGID PLASTIC, 3 NPS	M	6.0
11	680.71M	SHIELDED LEAD-IN CABLE	M	24.0
12	25680.800101M	TMS UPGRADE EQUIPMENT, SOLAR, TYPE B POST MOUNT	EA.	1.0
17	25680.803201M	TMS CABINET	EA.	1.0
18	25203.0201M	UNCLASSIFIED EXCAVATION & DISPOSAL (POST & FOUNDATION)	EA.	1.0

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

"NO AS-BUILT REVISIONS"

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 UPGRADING OF TRAFFIC MONITORING STATIONS			
LOCATION OF PROJECT VARIOUS LOCATIONS IN ALBANY DIVISION			
TITLE OF DRAWING PROPOSED PLAN			
CONTRACT NUMBER: TAA 02-711		DATE: 2002	
DRAWING NUMBER: 118.0SB			

G:\2002\TDS2\MP122-2NB.DWG
CHECKED BY:
DRAFTED BY:
DESIGNED BY:
IN CHARGE OF:



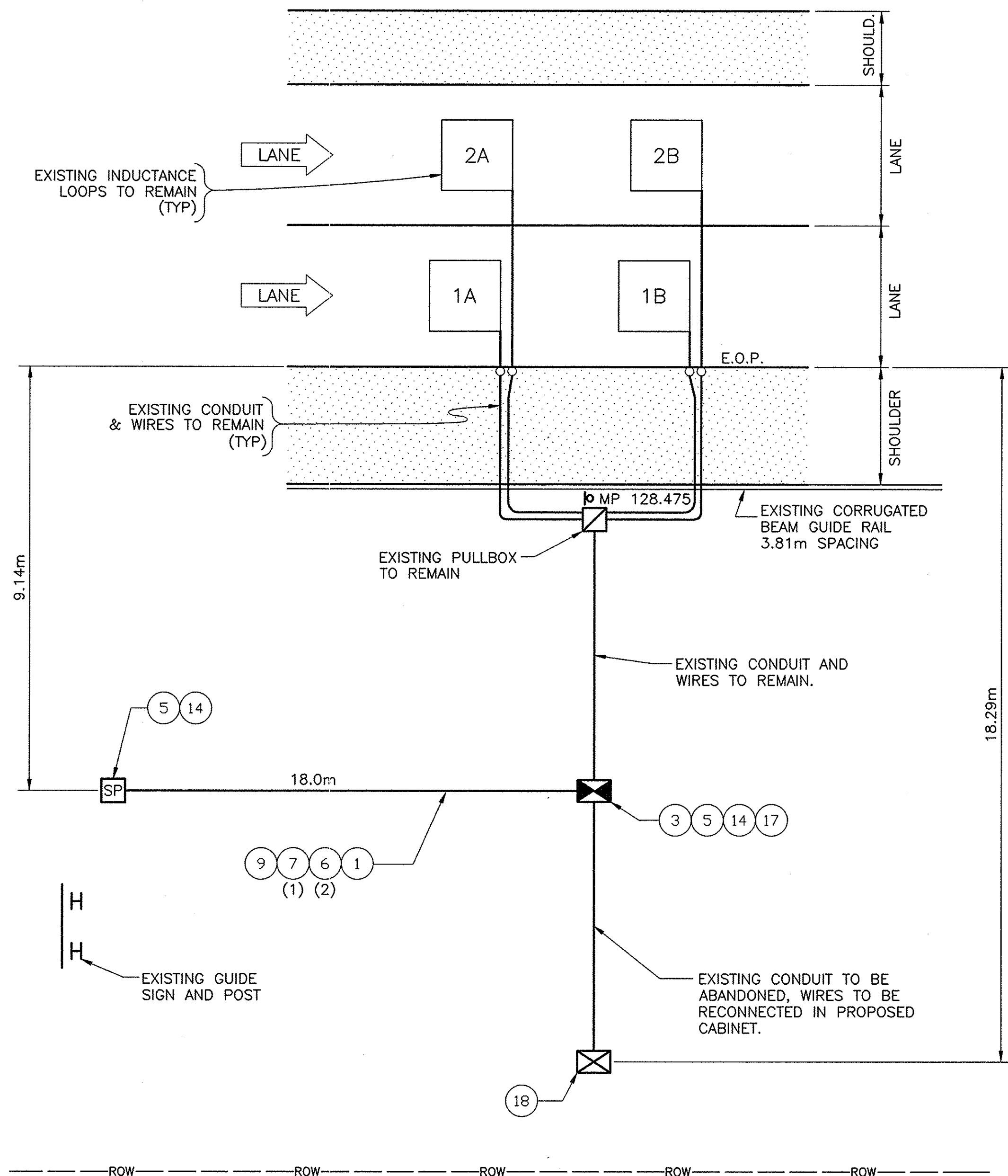
MP 122.2 NB
n.t.s.

REF#	ITEM	DESCRIPTION	UNIT	QUANTITY
3	25608.010201M	RESET WORK PAD	EA.	1.0
5	645.830202M	TYPE B, SIGN POST, GALV. W150x14, BI-DIR. BASE	EA.	2.0
12	25680.800101M	TMS UPGRADE EQUIPMENT, SOLAR, TYPE B POST MOUNT	EA.	1.0
17	25680.803201M	TMS CABINET	EA.	1.0
18	25203.0201M	UNCLASSIFIED EXCAVATION & DISPOSAL (POST & FOUNDATION)	EA.	1.0

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

"NO AS-BUILT REVISIONS"

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 UPGRADING OF TRAFFIC MONITORING STATIONS			
LOCATION OF PROJECT VARIOUS LOCATIONS IN ALBANY DIVISION			
TITLE OF DRAWING PROPOSED PLAN			
		CONTRACT NUMBER: TAA 02-711	
		DATE: 2002	
		DRAWING NUMBER: 122.2NB	



MP 128.5 SB
n.t.s.

REF#	ITEM	DESCRIPTION	UNIT	QUANTITY
1	206.03M	CONDUIT EXCAVATION & BACKFILL	M	18.0
3	25608.010201M	RESET WORK PAD	EA.	1.0
5	645.830202M	TYPE B, SIGN POST, GALV. W150x14, BI-DIR. BASE	EA.	3.0
6	670.7007M	SINGLE CONDUCTOR NO. 12 AWG	M	42.0
7	670.7501M	GROUND WIRE NO. 6 AWG	M	21.0
9	680.520705M	CONDUIT, RIGID PLASTIC, 1 1/2 NPS	M	18.0
14	25680.800201M	TMS UPGRADE EQUIPMENT, REMOTE SOLAR, TYPE B POST MOUNT	EA.	1.0
17	25680.803201M	TMS CABINET	EA.	1.0
18	25203.0201M	UNCLASSIFIED EXCAVATION & DISPOSAL (POST & FOUNDATION)	EA.	1.0

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

"NO AS-BUILT REVISIONS"

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
**UPGRADING OF TRAFFIC
MONITORING STATIONS**

LOCATION OF PROJECT
**VARIOUS LOCATIONS
IN ALBANY DIVISION**

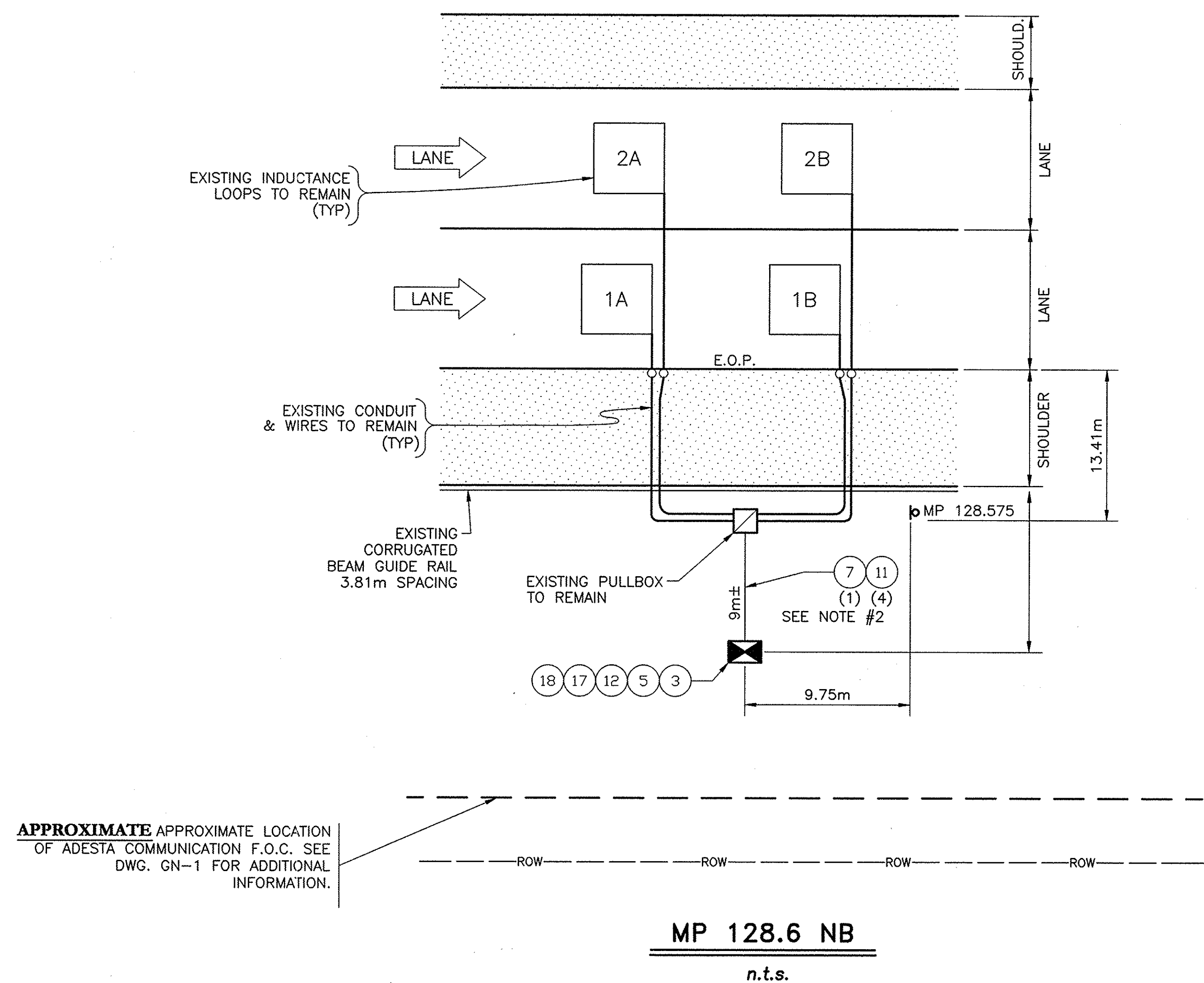
TITLE OF DRAWING
PROPOSED PLAN

 CONTRACT NUMBER:
TAA 02-711

DATE:
2002

DRAWING NUMBER:
128.5SB

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CHECKED BY:
DRAFTED BY:
DESIGNED BY:
IN CHARGE OF:



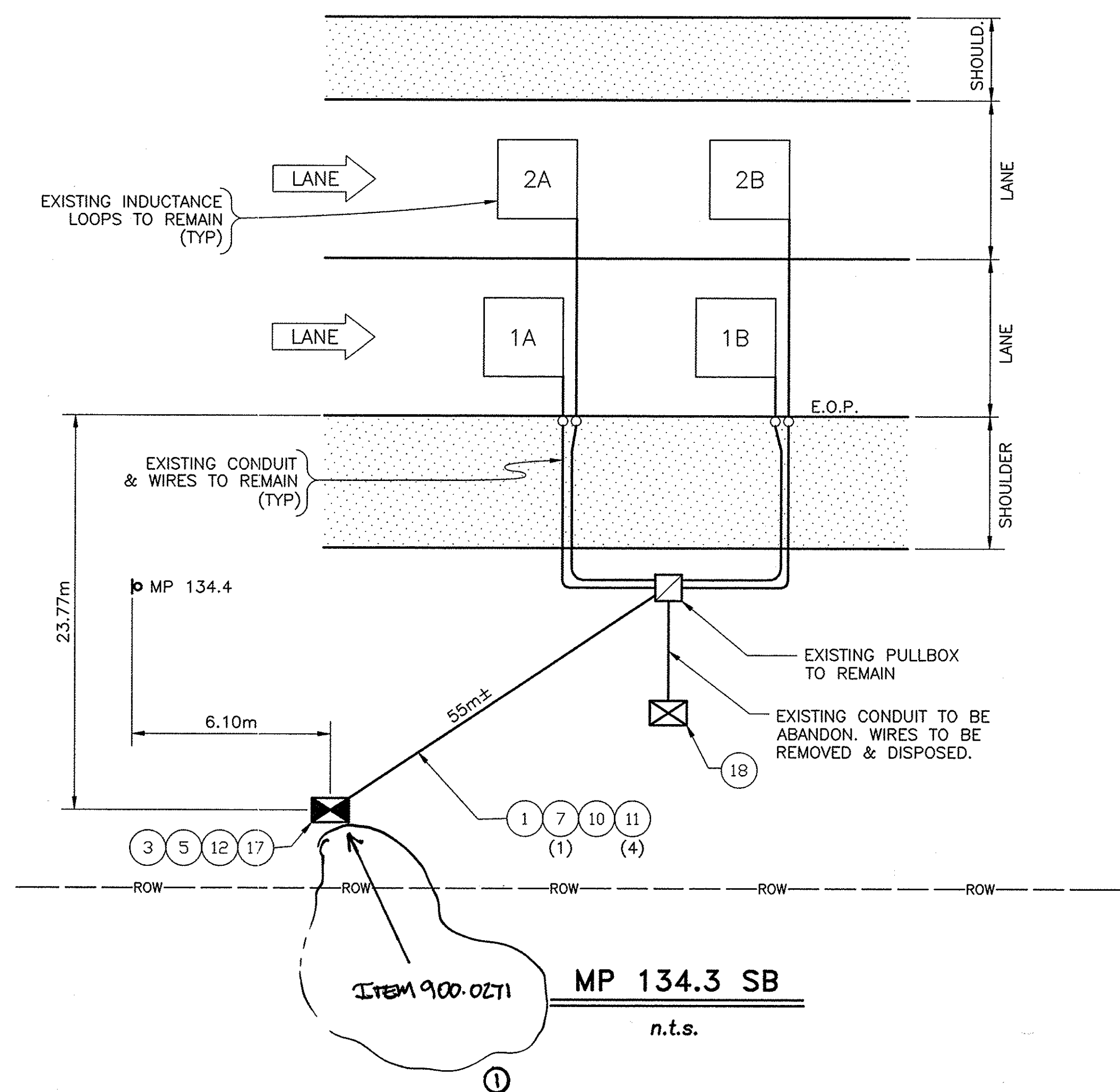
REF#	ITEM	DESCRIPTION	UNIT	QUANTITY
3	25608.010201M	RESET WORK PAD	EA.	1.0
5	645.830202M	TYPE B, SIGN POST, GALV. W150x14, BI-DIR. BASE	EA.	2.0
7	670.7501M	GROUND WIRE NO. 6 AWG	M	12.0
11	680.71M	SHIELDED LEAD-IN CABLE	M	48.0
12	25680.800101M	TMS UPGRADE EQUIPMENT, SOLAR, TYPE B POST MOUNT	EA.	1.0
17	25680.803201M	TMS CABINET	EA.	1.0
18	25203.0201M	UNCLASSIFIED EXCAVATION & DISPOSAL (POST & FOUNDATION)	EA.	1.0

- NOTE:
1. INSTALL PROPOSED TMS CABINET IN THE SAME LOCATION AS THE EXISTING CABINET.
 2. EXISTING CONDUIT TO REMAIN, EXISTING WIRES TO BE REMOVED & DISPOSED.

"NO AS-BUILT REVISIONS"

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 UPGRADING OF TRAFFIC MONITORING STATIONS			
LOCATION OF PROJECT VARIOUS LOCATIONS IN ALBANY DIVISION			
TITLE OF DRAWING PROPOSED PLAN			
CONTRACT NUMBER: TAA 02-711		DATE: 2002	
DRAWING NUMBER: 128.6NB			

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



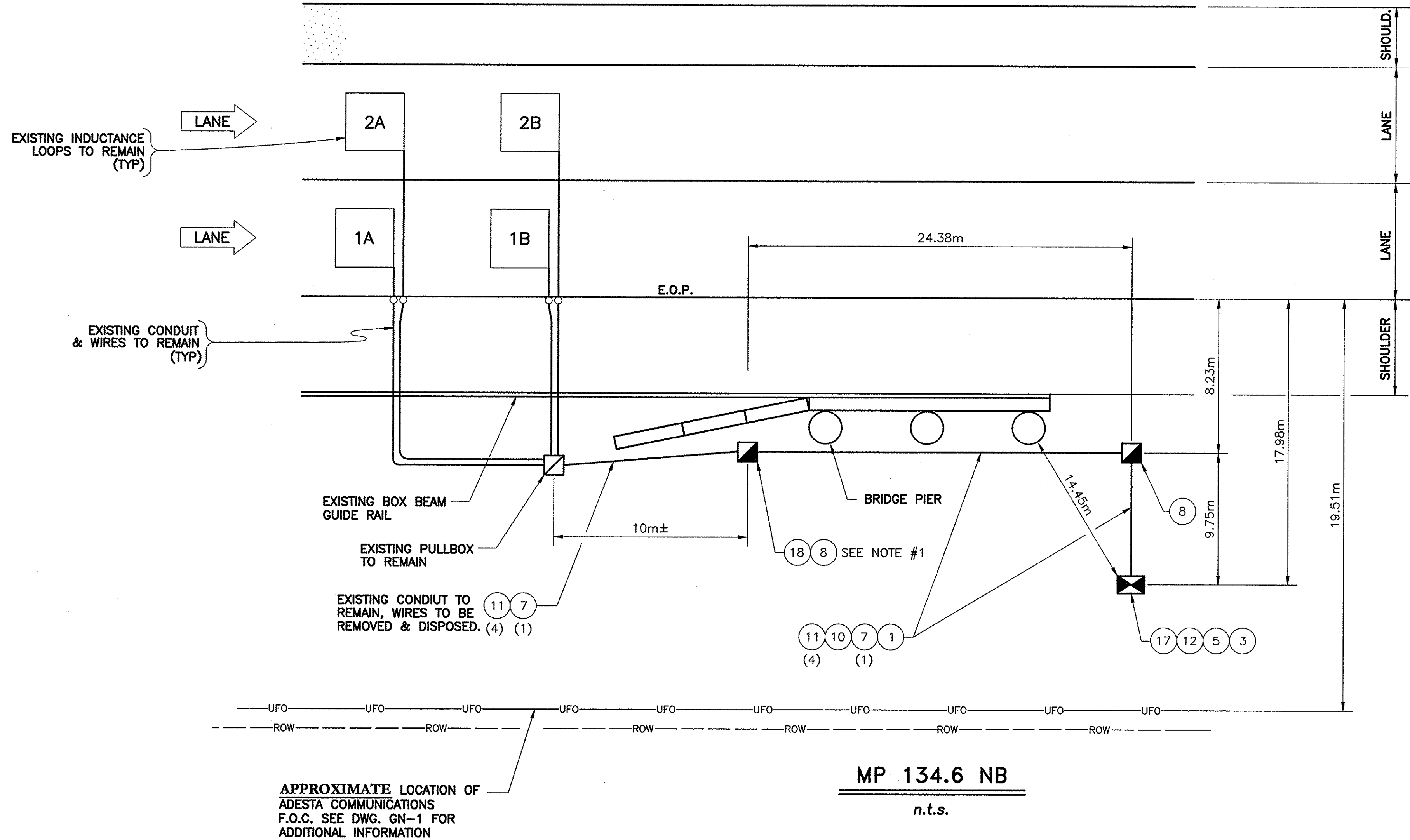
REF#	ITEM	DESCRIPTION	UNIT	QUANTITY
1	206.03M	CONDUIT EXCAVATION & BACKFILL	M	55.0
3	25608.010201M	RESET WORK PAD	EA.	1.0
5	645.830202M	TYPE B, SIGN POST, GALV. W150x14, BI-DIR. BASE	EA.	2.0
7	670.7501M	GROUND WIRE NO. 6 AWG	M	58.0
10	680.520708M	CONDUIT, RIGID PLASTIC, 3 NPS	M	55.0
11	680.71M	SHIELDED LEAD-IN CABLE	M	232.0
12	25680.800101M	TMS UPGRADE EQUIPMENT, SOLAR, TYPE B POST MOUNT	EA.	1.0
17	25680.803201M	TMS CABINET	EA.	1.0
18	25203.0201M	UNCLASSIFIED EXCAVATION & DISPOSAL (POST & FOUNDATION)	EA.	1.0

"AS-BUILT REVISIONS"			
9/17/00	ADD 2 SOLAR PANEL	C. LANCELOT	(1)
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 UPGRADING OF TRAFFIC MONITORING STATIONS			
LOCATION OF PROJECT VARIOUS LOCATIONS IN ALBANY DIVISION			
TITLE OF DRAWING			
PROPOSED PLAN			
		CONTRACT NUMBER:	
		TAA 02-711	
		DATE:	
		2002	
		DRAWING NUMBER:	
		134.3SB	

ALBANY DIVISION CONSTRUCTION
ENGINEER

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

IN CHARGE OF: DESIGNED BY: DRAFTED BY: CHECKED BY: G:\2002\TDS2\MP134-ENBLOW



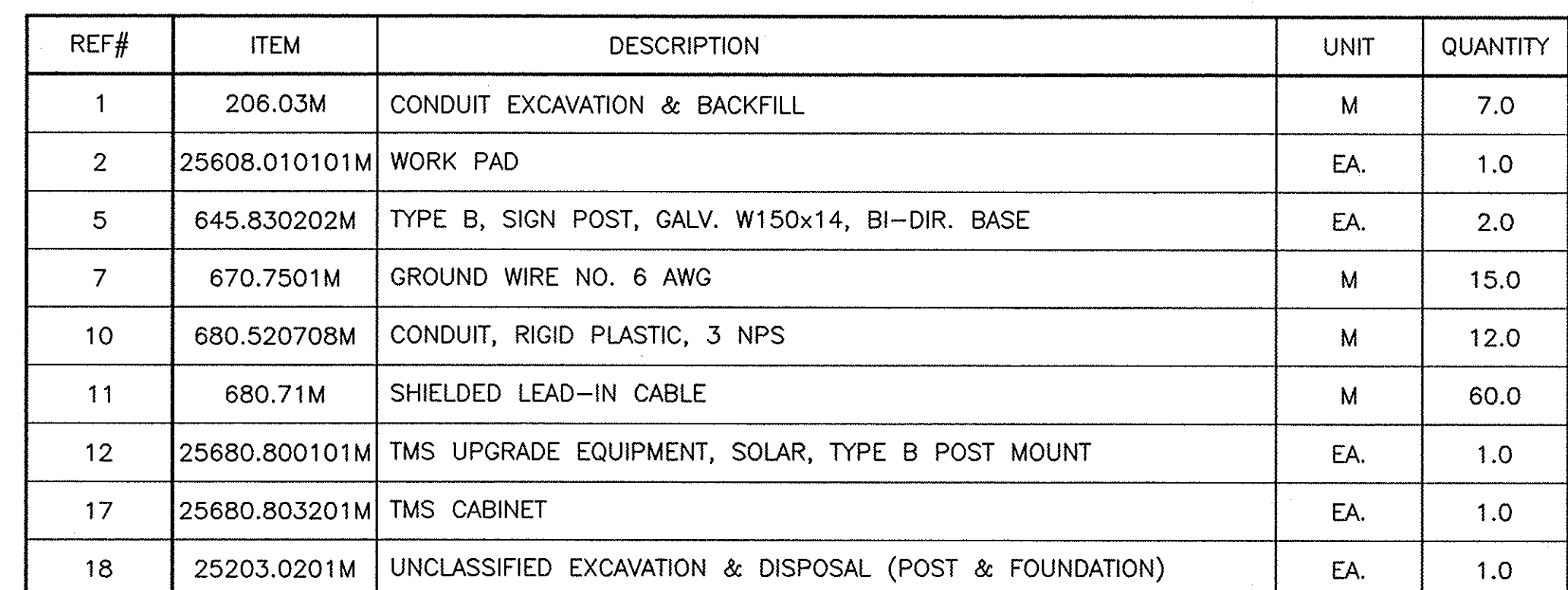
REF#	ITEM	DESCRIPTION	UNIT	QUANTITY
1	206.03M	CONDUIT EXCAVATION & BACKFILL	M	35.0
3	25608.010201M	RESET WORK PAD	EA.	1.0
5	645.830202M	TYPE B, SIGN POST, GALV. W150x14, BI-DIR. BASE	EA.	2.0
7	670.7501M	GROUND WIRE NO. 6 AWG	M	50.0
8	680.510501M	PULLBOX, RECTANGULAR 650mm x 450mm REINFORCED CONCRETE	EA.	2.0
10	680.520708M	CONDUIT, RIGID PLASTIC, 3 NPS	M	35.0
11	680.71M	SHIELDED LEAD-IN CABLE	M	200.0
12	25680.800101M	TMS UPGRADE EQUIPMENT, SOLAR, TYPE B POST MOUNT	EA.	1.0
17	25680.803201M	TMS CABINET	EA.	1.0
18	25203.0201M	UNCLASSIFIED EXCAVATION & DISPOSAL (POST & FOUNDATION)	EA.	1.0

NOTE:
1. EXISTING TMS CABINET FOUNDATION TO BE REMOVED AND DISPOSED. PULLBOX TO BE INSTALLED IN THE SAME LOCATION.

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

"NO AS-BUILT REVISIONS"

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 UPGRADING OF TRAFFIC MONITORING STATIONS			
LOCATION OF PROJECT VARIOUS LOCATIONS IN ALBANY DIVISION			
TITLE OF DRAWING PROPOSED PLAN			
CONTRACT NUMBER: TAA 02-711		DATE: 2002	
DRAWING NUMBER: 134.6NB			



"NO AS-BUILT REVISIONS"

[illegible]

REVISIONS

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

TITLE OF PROJECT	UPGRADING OF TRAFFIC MONITORING STATIONS
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LOCATION OF PROJECT
VARIOUS LOCATIONS
IN ALBANY DIVISION

TITLE OF DRAWING

PROPOSED PLAN



CONTRACT NUMBER:

TAA 02-711

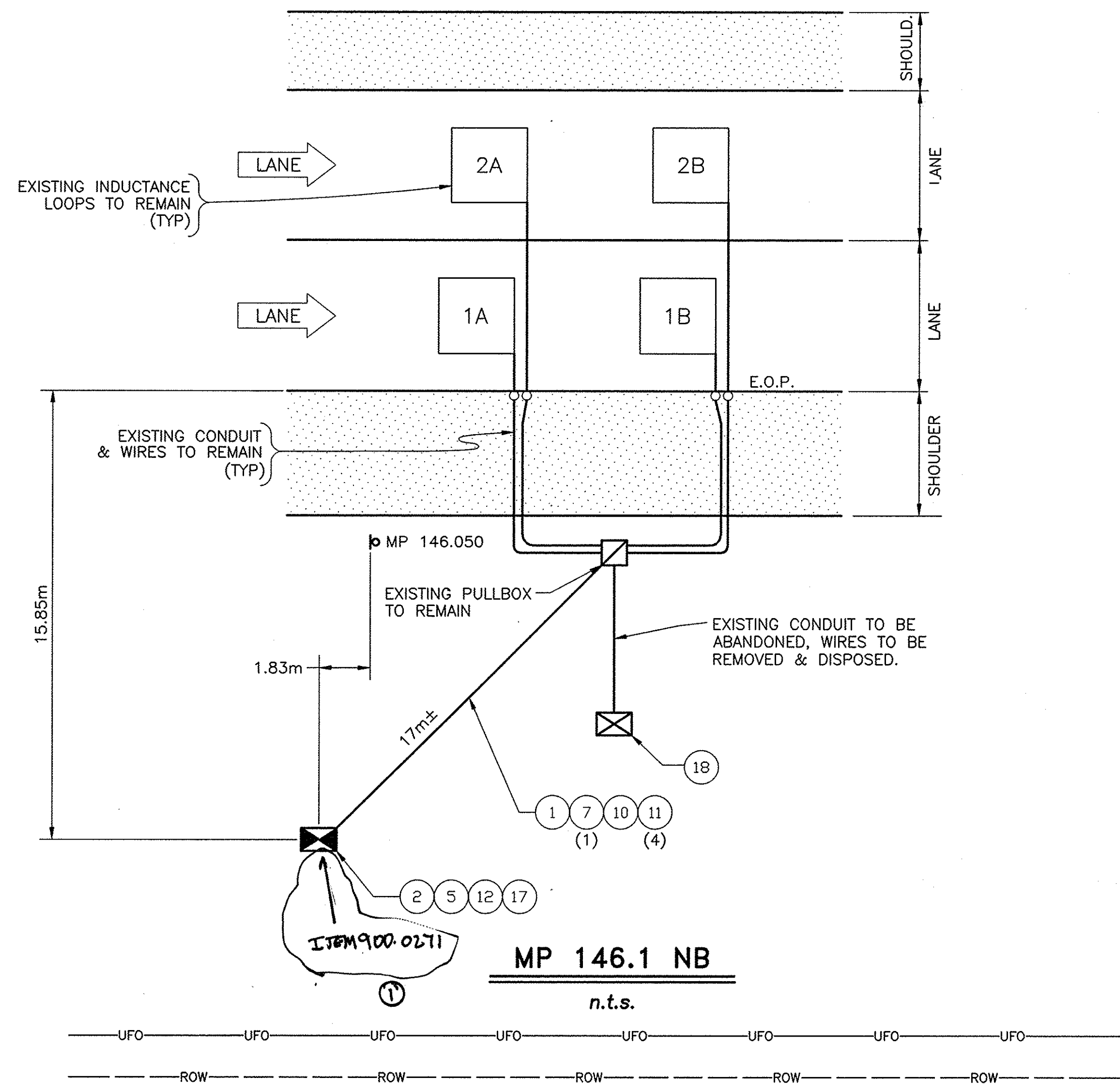
DATE: 2002

DRAWING NUMBER:

138.3NB

G:\2002\TDS2\MP146-1\B.DWG
CHECKED BY:
DRAFTED BY:
DESIGNED BY:
IN CHARGE OF:

22
44

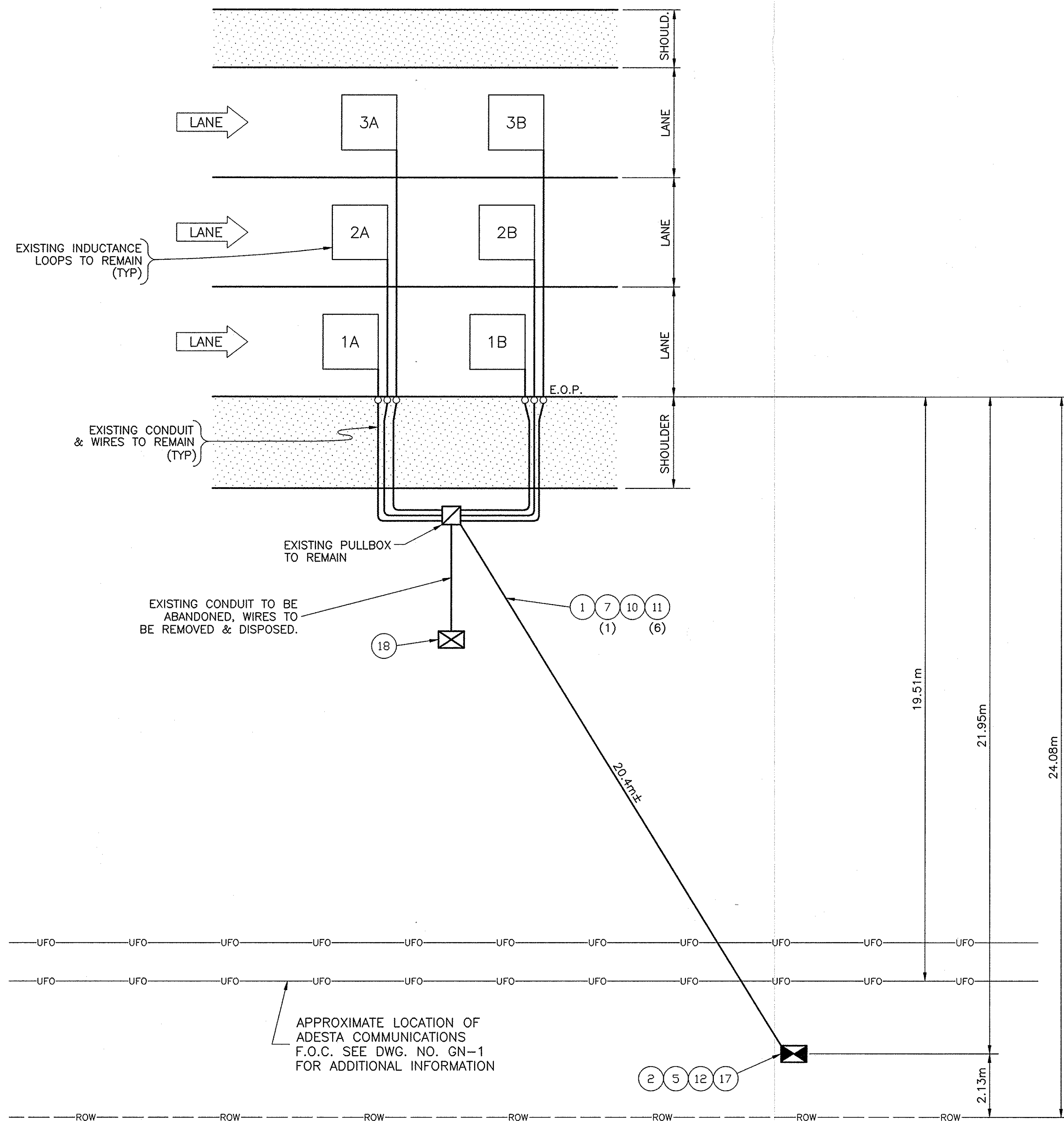


REF#	ITEM	DESCRIPTION	UNIT	QUANTITY
1	206.03M	CONDUIT EXCAVATION & BACKFILL	M	17.0
2	25608.010101M	WORK PAD	EA.	1.0
5	645.830202M	TYPE B, SIGN POST, GALV. W150x14, BI-DIR. BASE	EA.	2.0
7	670.7501M	GROUND WIRE NO. 6 AWG	M	20.0
10	680.520708M	CONDUIT, RIGID PLASTIC, 3 NPS	M	17.0
11	680.71M	SHIELDED LEAD-IN CABLE	M	80.0
12	25680.800101M	TMS UPGRADE EQUIPMENT, SOLAR, TYPE B POST MOUNT	EA.	1.0
17	25680.803201M	TMS CABINET	EA.	1.0
18	25203.0201M	UNCLASSIFIED EXCAVATION & DISPOSAL (POST & FOUNDATION)	EA.	1.0

ALBANY DIVISION CONSTRUCTION
ENGINEER

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

"AS-BUILT REVISIONS"			
6/17/02	ADD 2 SOLAR PANEL	C. CANCELOT	1
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 UPGRADING OF TRAFFIC MONITORING STATIONS			
LOCATION OF PROJECT VARIOUS LOCATIONS IN ALBANY DIVISION			
TITLE OF DRAWING PROPOSED PLAN			
CONTRACT NUMBER: TAA 02-711			
DATE: 2002			
DRAWING NUMBER: 146.1NB			



MP 150.5 WB

n.t.s.

REF#	ITEM	DESCRIPTION	UNIT	QUANTITY
1	206.03M	CONDUIT EXCAVATION & BACKFILL	M	21.0
2	25608.010101M	WORK PAD	EA.	1.0
5	645.830202M	TYPE B, SIGN POST, GALV. W150x14, BI-DIR. BASE	EA.	2.0
7	670.7501M	GROUND WIRE NO. 6 AWG	M	24.0
10	680.520708M	CONDUIT, RIGID PLASTIC, 3 NPS	M	21.0
11	680.71M	SHIELDED LEAD-IN CABLE	M	96.0
12	25680.800101M	TMS UPGRADE EQUIPMENT, SOLAR, TYPE B POST MOUNT	EA.	1.0
17	25680.803201M	TMS CABINET	EA.	1.0
18	25203.0201M	UNCLASSIFIED EXCAVATION & DISPOSAL (POST & FOUNDATION)	EA.	1.0

NO AS-BUILT REVISIONS

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
UPGRADING OF TRAFFIC
MONITORING STATIONS

LOCATION OF PROJECT
VARIOUS LOCATIONS
IN ALBANY DIVISION

TITLE OF DRAWING

PROPOSED PLAN



CONTRACT NUMBER:

TAA 02-711

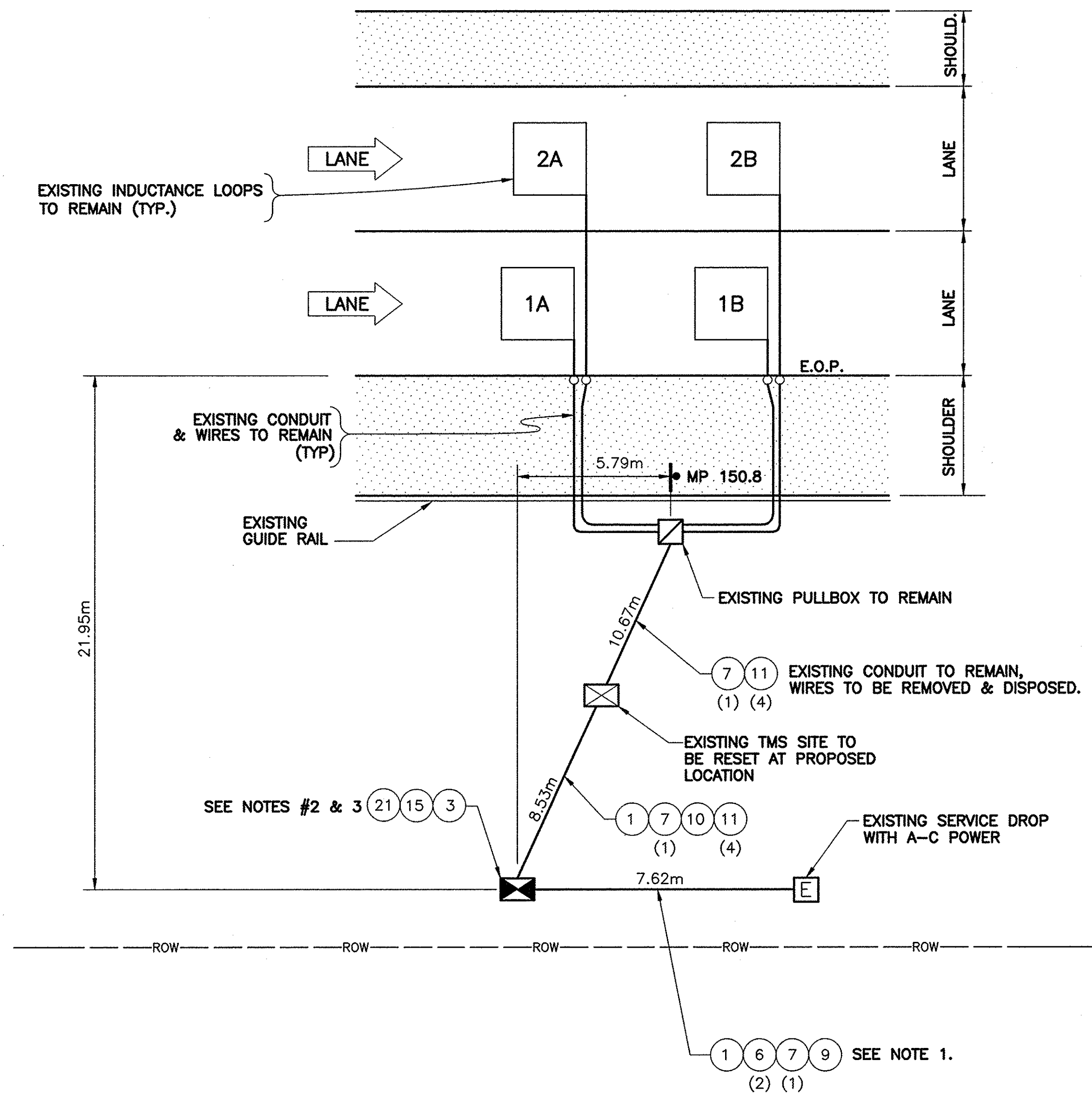
DATE:

2002

DRAWING NUMBER:

150.5WB

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



MP 150.8 EB
n.t.s.

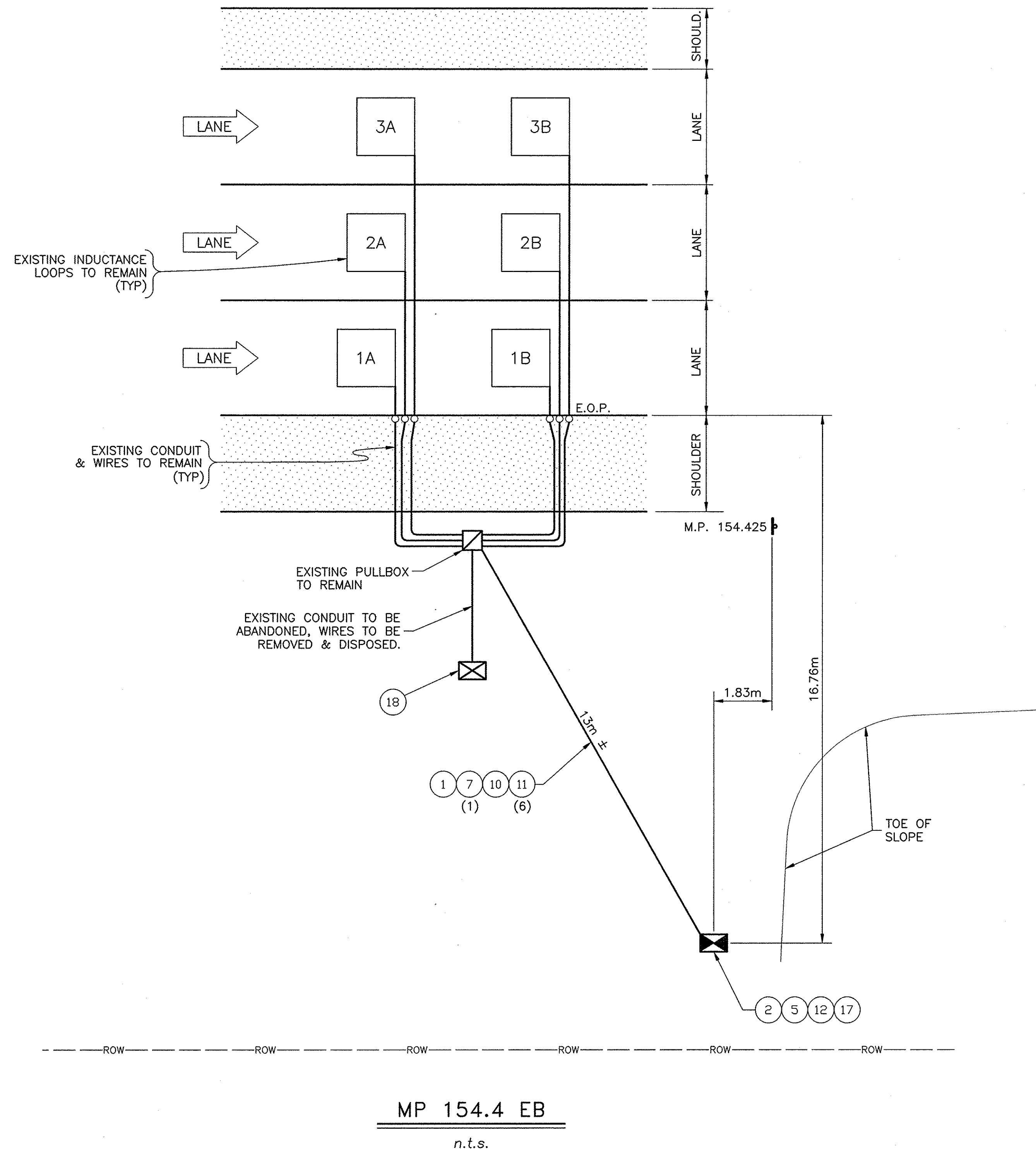
REF#	ITEM	DESCRIPTION	UNIT	QUANTITY
1	206.03M	CONDUIT EXCAVATION & BACKFILL	M	17.0
3	25608.010201M	RESET WORK PAD	EA.	1.0
6	670.7007M	SINGLE CONDUCTOR NO. 12 AWG	M	24.0
7	670.7501M	GROUND WIRE NO. 6 AWG	M	34.0
9	680.520705M	CONDUIT, RIGID PLASTIC, 1 1/2 NPS	M	8.0
10	680.520708M	CONDUIT, RIGID PLASTIC, 3 NPS	M	9.0
11	680.71M	SHIELDED LEAD-IN CABLE	M	90.0
15	25680.800301M	TMS EQUIPMENT UPGRADE, A-C, TYPE B POST MOUNT	EA.	1.0
21	25680.800302M	RELOCATE TMS EQUIPMENT	EA.	1.0

- NOTES:
1. CONNECT WIRES TO A-C BREAKER BOX AT EXISTING SERVICE DROP. COST TO BE INCLUDED IN THE UNIT PRICE BID FOR THE RESPECTIVE WIRE ITEMS.
 2. EXISTING TMS SITE TO BE RESET AT PROPOSED LOCATION. SOLAR EQUIPMENT TO BE REMOVED AND DELIVERED TO ALBANY DIVISION ITSM. EXISTING DRIVEN POST SHALL BE REDRIVEN IN NEW LOCATION. COST OF ALL THE ABOVE WORK TO BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 25680.803302M.
 3. NECESSARY A-C EQUIPMENT AS PER THE REQUIREMENTS OF ITEM 25680.800301M SHALL BE INSTALLED IN THE RELOCATED TMS CABINET. COST OF THIS WORK TO BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 25680.803302M.

"NO AS-BUILT REVISIONS"

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 UPGRADING OF TRAFFIC MONITORING STATIONS			
LOCATION OF PROJECT VARIOUS LOCATIONS IN ALBANY DIVISION			
TITLE OF DRAWING PROPOSED PLAN			
		CONTRACT NUMBER: TAA 02-711	
		DATE: 2002	
		DRAWING NUMBER: 150.8EB	

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



REF#	ITEM	DESCRIPTION	UNIT	QUANTITY
1	206.03M	CONDUIT EXCAVATION & BACKFILL	M	14.0
2	25608.010101M	WORK PAD	EA.	1.0
5	645.830202M	TYPE B, SIGN POST, GALV. W150x14, BI-DIR. BASE	EA.	2.0
7	670.7501M	GROUND WIRE NO. 6 AWG	M	17.0
10	680.520708M	CONDUIT, RIGID PLASTIC, 3 NPS	M	14.0
11	680.71M	SHIELDED LEAD-IN CABLE	M	102.0
12	25680.800101M	TMS UPGRADE EQUIPMENT, SOLAR, TYPE B POST MOUNT	EA.	1.0
17	25680.803201M	TMS CABINET	EA.	1.0
18	25203.0201M	UNCLASSIFIED EXCAVATION & DISPOSAL (POST & FOUNDATION)	EA.	1.0

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

NO AS-BUILT REVISIONS

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 UPGRADING OF TRAFFIC MONITORING STATIONS			
LOCATION OF PROJECT VARIOUS LOCATIONS IN ALBANY DIVISION			
TITLE OF DRAWING PROPOSED PLAN			
CONTRACT NUMBER: TAA 02-711		DATE: 2002	
DRAWING NUMBER: 154.4EB			

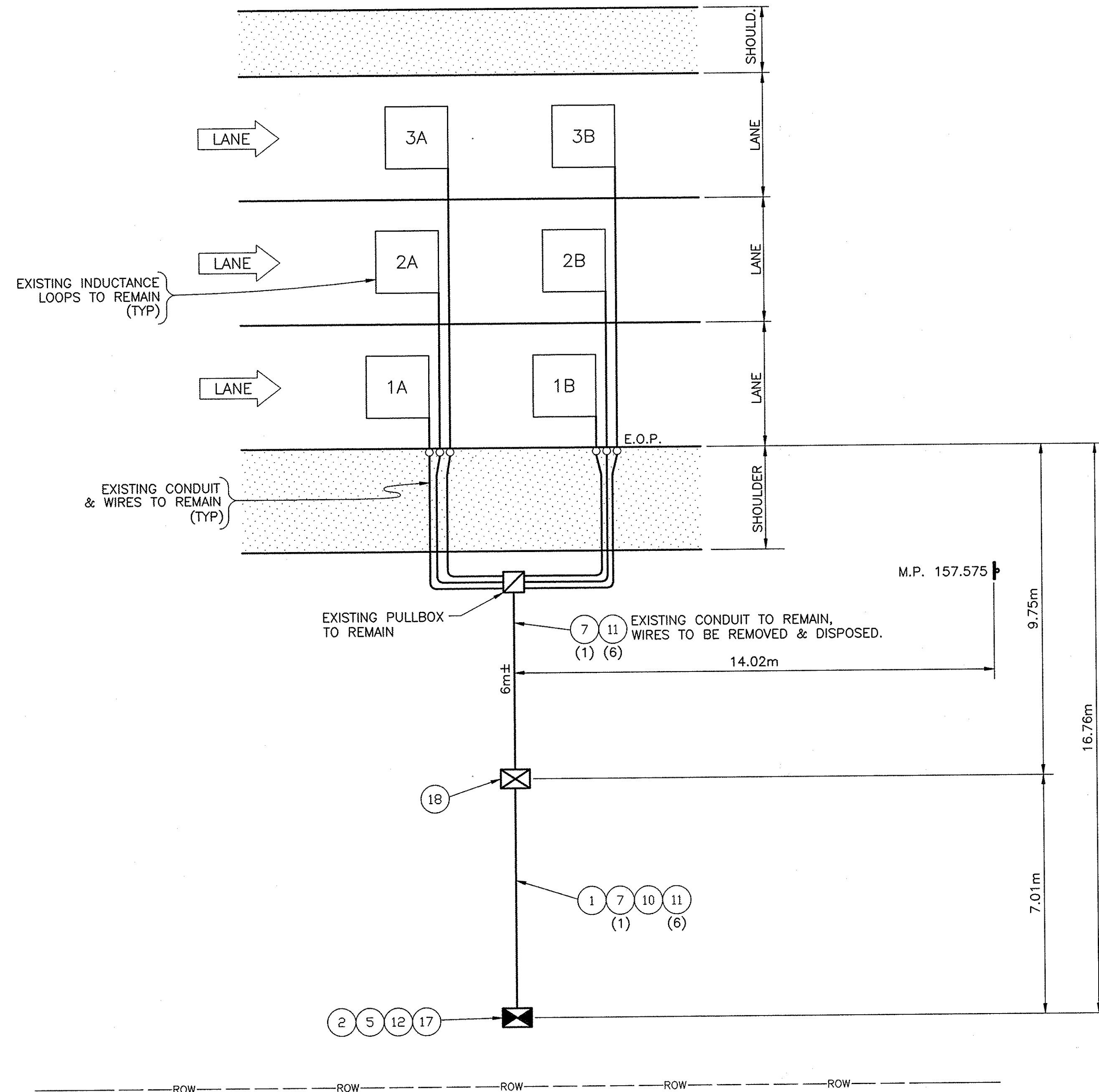
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CHECKED BY:

DRAFTED BY:

DESIGNED BY:

IN CHARGE OF:



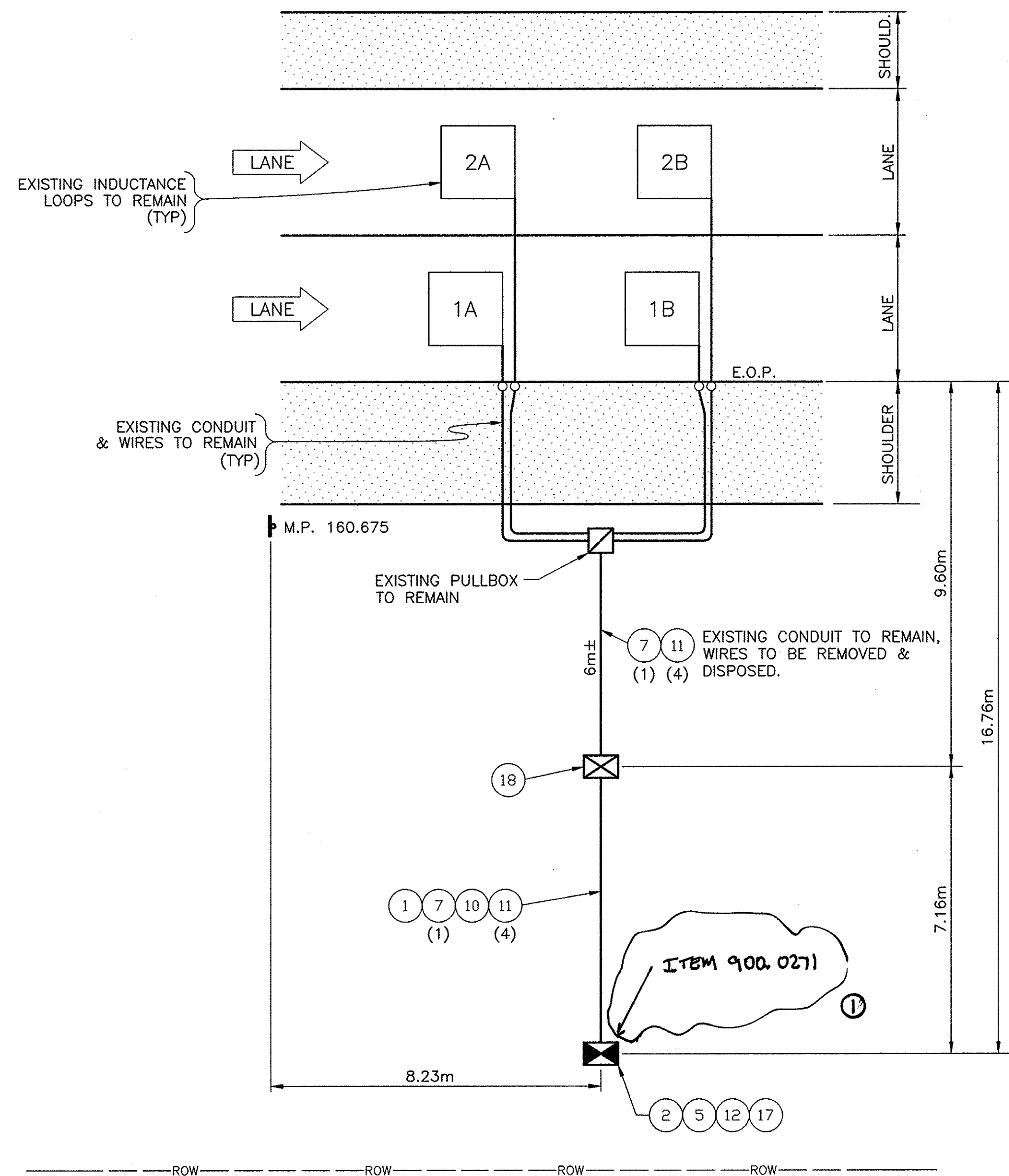
MP 157.6 WB
n.t.s.

REF#	ITEM	DESCRIPTION	UNIT	QUANTITY
1	206.03M	CONDUIT EXCAVATION & BACKFILL	M	7.0
2	25608.010101M	WORK PAD	EA.	1.0
5	645.830202M	TYPE B, SIGN POST, GALV. W150x14, BI-DIR. BASE	EA.	2.0
7	670.7501M	GROUND WIRE NO. 6 AWG	M	15.0
10	680.520708M	CONDUIT, RIGID PLASTIC, 3 NPS	M	7.0
11	680.71M	SHIELDED LEAD-IN CABLE	M	90.0
12	25680.800101M	TMS UPGRADE EQUIPMENT, SOLAR, TYPE B POST MOUNT	EA.	1.0
17	25680.803201M	TMS CABINET	EA.	1.0
18	25203.0201M	UNCLASSIFIED EXCAVATION & DISPOSAL (POST & FOUNDATION)	EA.	1.0

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

"No AS-BUILT REVISIONS"			
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 UPGRADING OF TRAFFIC MONITORING STATIONS			
LOCATION OF PROJECT VARIOUS LOCATIONS IN ALBANY DIVISION			
TITLE OF DRAWING PROPOSED PLAN			
		CONTRACT NUMBER: TAA 02-711	
		DATE: 2002	
		DRAWING NUMBER: 157.6WB	

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CHECKED BY:
DRAFTED BY:
DESIGNED BY:
IN CHARGE OF:



MP 160.7 WB
n.t.s.

REF#	ITEM	DESCRIPTION	UNIT	QUANTITY
1	206.03M	CONDUIT EXCAVATION & BACKFILL	M	7.0
2	25608.010101M	WORK PAD	EA.	1.0
5	645.830202M	TYPE B, SIGN POST, GALV. W150x14, BI-DIR. BASE	EA.	2.0
7	670.7501M	GROUND WIRE NO. 6 AWG	M	13.0
10	680.520708M	CONDUIT, RIGID PLASTIC, 3 NPS	M	7.0
11	680.71M	SHIELDED LEAD-IN CABLE	M	52.0
12	25680.800101M	TMS UPGRADE EQUIPMENT, SOLAR, TYPE B POST MOUNT	EA.	1.0
17	25680.803201M	TMS CABINET	EA.	1.0
18	25203.0201M	UNCLASSIFIED EXCAVATION & DISPOSAL (POST & FOUNDATION)	EA.	1.0

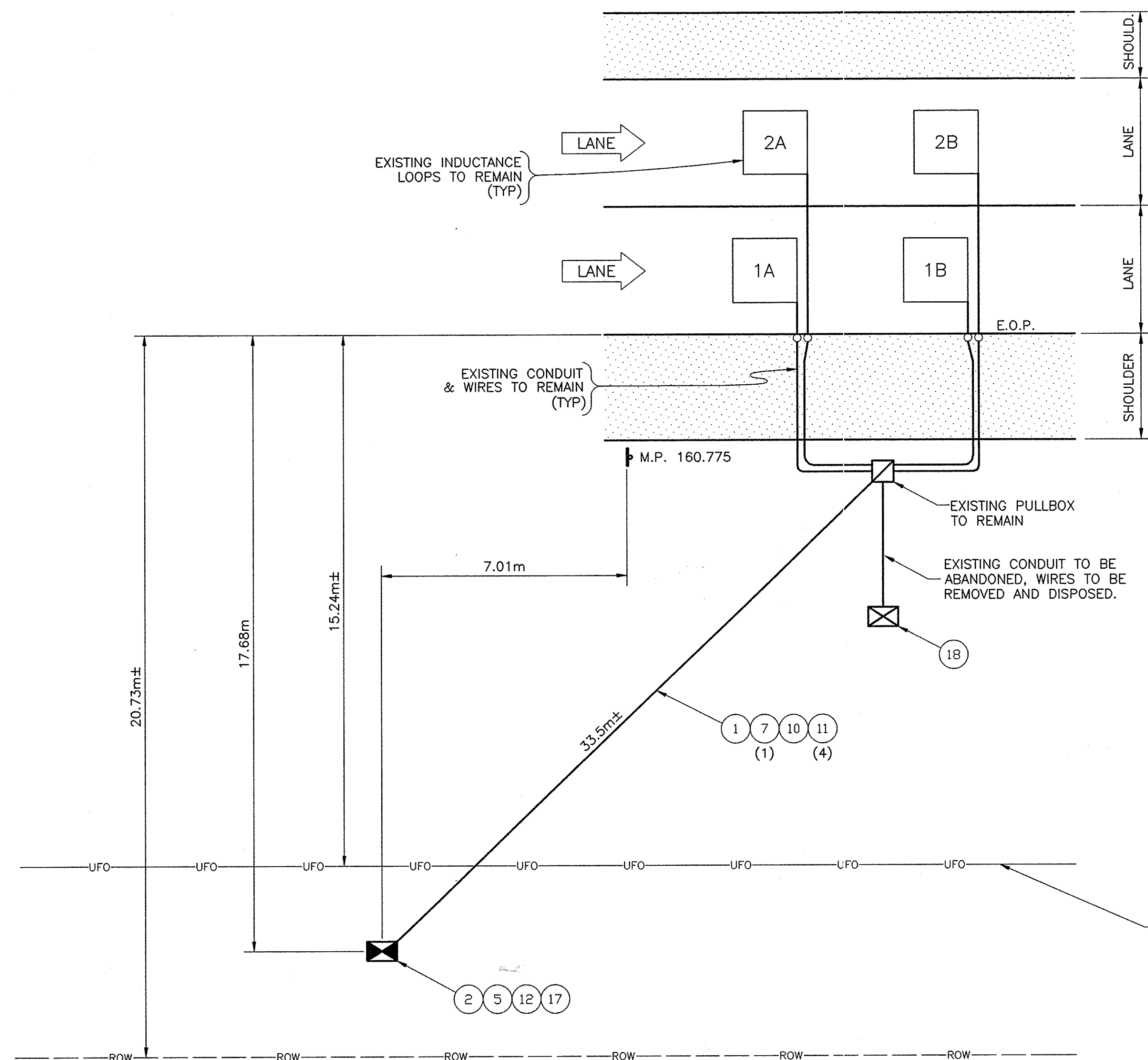
ALBANY DIVISION CONSTRUCTION
ENGINEER

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

DATE	DESCRIPTION	BY	SYM.
6/17/04	DOO'S SOLAR PANEL	C. LANGELOT	①
REVISIONS			
NEW YORK STATE THRUWAY AUTHORITY DEPARTMENT OF ENGINEERING AND MAINTENANCE 200 SOUTHERN BLVD., ALBANY, N.Y. 12209			
TITLE OF PROJECT UPGRADING OF TRAFFIC MONITORING STATIONS			
LOCATION OF PROJECT VARIOUS LOCATIONS IN ALBANY DIVISION			
TITLE OF DRAWING PROPOSED PLAN			
CONTRACT NUMBER: TAA 02-711		DATE: 2002	
DRAWING NUMBER: 160.7WB			



IN CHARGE OF: DESIGNED BY: DRAFTED BY: CHECKED BY: C:\2002\YDS2\MP160-8EB.DWG



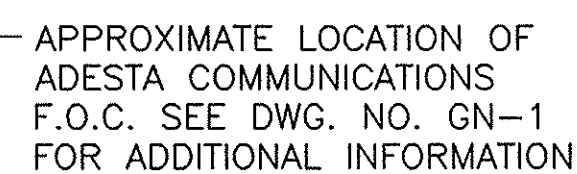
MP 160.8 EB
n.t.s.

REF#	ITEM	DESCRIPTION	UNIT	QUANTITY
1	206.03M	CONDUIT EXCAVATION & BACKFILL	M	34.0
2	25608.010101M	WORK PAD	EA.	1.0
5	645.830202M	TYPE B, SIGN POST, GALV. W150x14, BI-DIR. BASE	EA.	2.0
7	670.7501M	GROUND WIRE NO. 6 AWG	M	37.0
10	680.520708M	CONDUIT, RIGID PLASTIC, 3 NPS	M	34.0
11	680.71M	SHIELDED LEAD-IN CABLE	M	148.0
12	25680.800101M	TMS UPGRADE EQUIPMENT, SOLAR, TYPE B POST MOUNT	EA.	1.0
17	25680.803201M	TMS CABINET	EA.	1.0
18	25203.0201M	UNCLASSIFIED EXCAVATION & DISPOSAL (POST & FOUNDATION)	EA.	1.0

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

"No As-Built Revisions"

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 UPGRADING OF TRAFFIC MONITORING STATIONS			
LOCATION OF PROJECT VARIOUS LOCATIONS IN ALBANY DIVISION			
TITLE OF DRAWING PROPOSED PLAN			
		CONTRACT NUMBER: TAA 02-711	
		DATE: 2002	
		DRAWING NUMBER: 160.8EB	

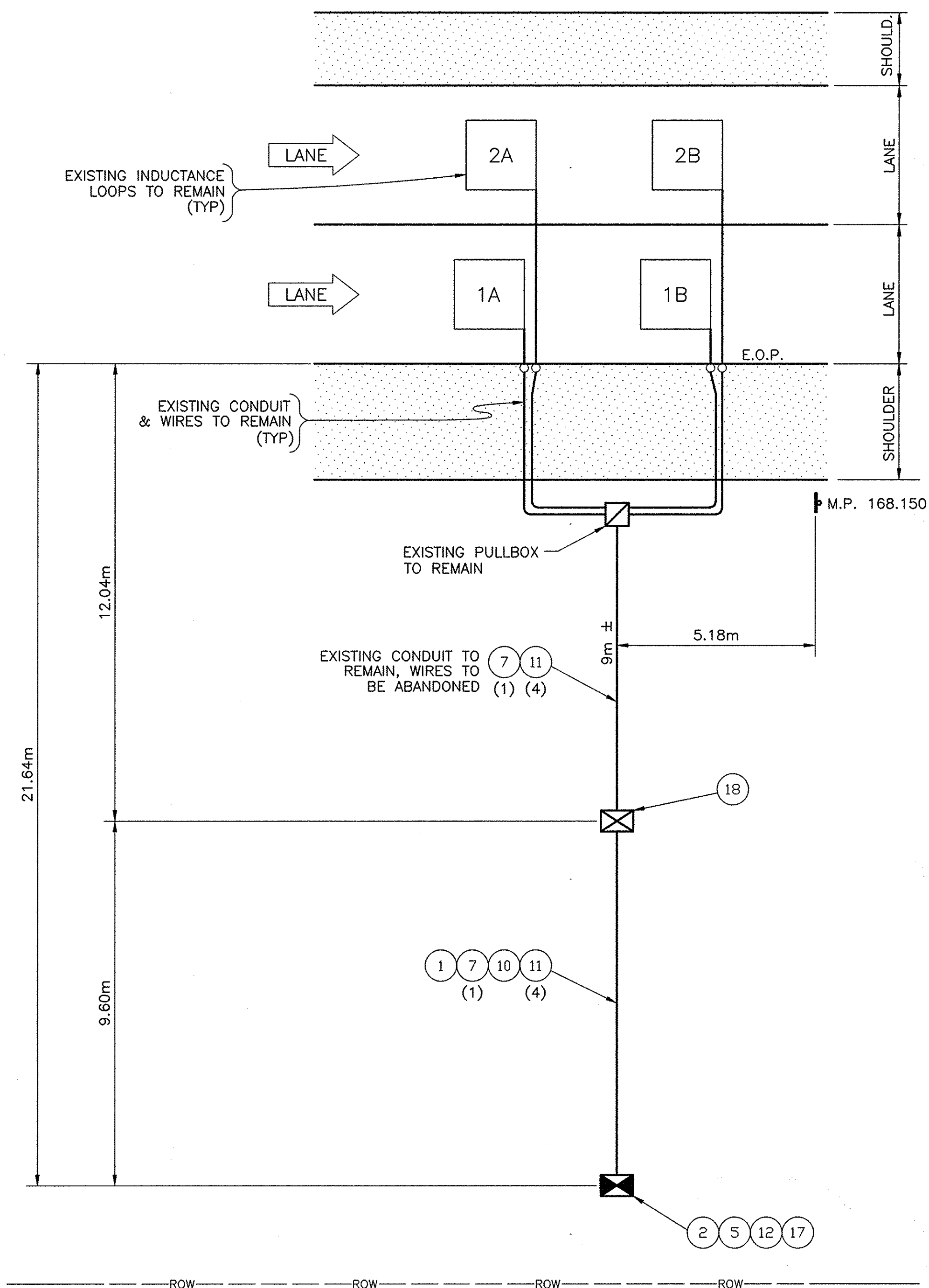


NOTE:
ALL DIMENSIONS ARE SHOWN IN MILLIMETERS
UNLESS OTHERWISE NOTED. ALL ELEVATIONS
ARE SHOWN IN METERS.

REF#	ITEM	DESCRIPTION	UNIT	QUANTITY
1	206.03M	CONDUIT EXCAVATION & BACKFILL	M	9.0
2	25608.010101M	WORK PAD	EA.	1.0
5	645.830202M	TYPE B, SIGN POST, GALV. W150x14, BI-DIR. BASE	EA.	2.0
7	670.7501M	GROUND WIRE NO. 6 AWG	M	17.0
10	680.520708M	CONDUIT, RIGID PLASTIC, 3 NPS	M	9.0
11	680.71M	SHIELDED LEAD-IN CABLE	M	68.0
12	25680.800101M	TMS UPGRADE EQUIPMENT, SOLAR, TYPE B POST MOUNT	EA.	1.0
17	25680.803201M	TMS CABINET	EA.	1.0
18	25203.0201M	UNCLASSIFIED EXCAVATION & DISPOSAL (POST & FOUNDATION)	EA.	1.0

" 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 UPGRADING OF TRAFFIC MONITORING STATIONS			
LOCATION OF PROJECT VARIOUS LOCATIONS IN ALBANY DIVISION			
TITLE OF DRAWING			
PROPOSED PLAN			
		CONTRACT NUMBER:	
		TAA 02-711	
		DATE:	
		2002	
		DRAWING NUMBER:	
		166.6WE	

IN CHARGE OF: _____ DESIGNED BY: _____ DRAFTED BY: _____ CHECKED BY: _____ G:\2002\TDS2\MP 168-2EB.DWG



MP 168.2 EB
n.t.s.

REF#	ITEM	DESCRIPTION	UNIT	QUANTITY
1	206.03M	CONDUIT EXCAVATION & BACKFILL	M	10.0
2	25608.010101M	WORK PAD	EA.	1.0
5	645.830202M	TYPE B, SIGN POST, GALV. W150x14, BI-DIR. BASE	EA.	2.0
7	670.7501M	GROUND WIRE NO. 6 AWG	M	20.0
10	680.520708M	CONDUIT, RIGID PLASTIC, 3 NPS	M	10.0
11	680.71M	SHIELDED LEAD-IN CABLE	M	80.0
12	25680.800101M	TMS UPGRADE EQUIPMENT, SOLAR, TYPE B POST MOUNT	EA.	1.0
17	25680.803201M	TMS CABINET	EA.	1.0
18	25203.0201M	UNCLASSIFIED EXCAVATION & DISPOSAL (POST & FOUNDATION)	EA.	1.0

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

"No As-Built Revisions"

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: **UPGRADING OF TRAFFIC MONITORING STATIONS**

LOCATION OF PROJECT: **VARIOUS LOCATIONS IN ALBANY DIVISION**

TITLE OF DRAWING: **PROPOSED PLAN**

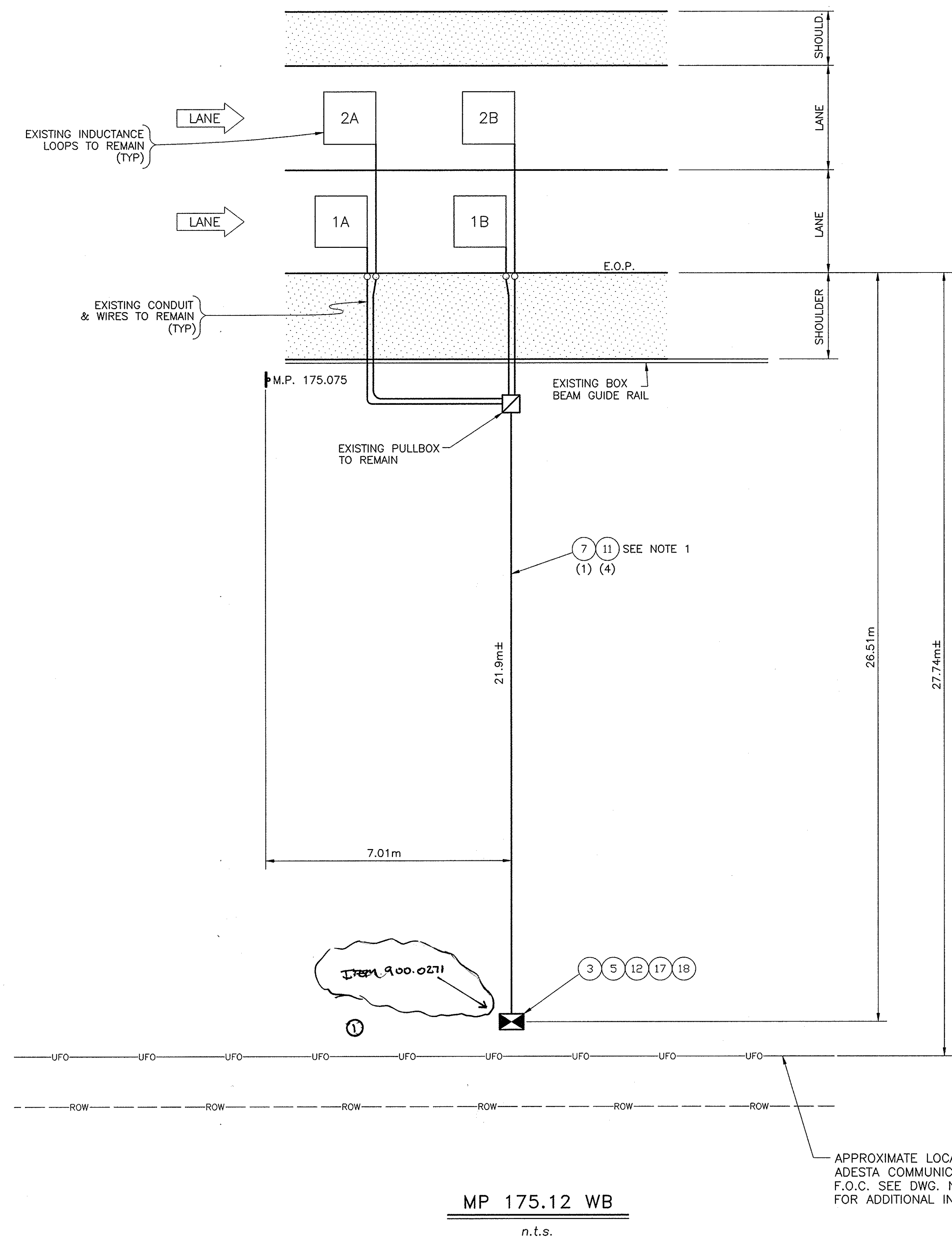


CONTRACT NUMBER:
TAA 02-711

DATE:
2002

DRAWING NUMBER:
168.2EB

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CHECKED BY:
DRAFTED BY:
DESIGNED BY:
IN CHARGE OF:



REF#	ITEM	DESCRIPTION	UNIT	QUANTITY
3	25608.010201M	RESET WORK PAD	EA.	1.0
5	645.830202M	TYPE B, SIGN POST, GALV. W150x14, BI-DIR. BASE	EA.	2.0
7	670.7501M	GROUND WIRE NO. 6 AWG	M	25.0
11	680.71M	SHIELDED LEAD-IN CABLE	M	100.0
12	25680.800101M	TMS UPGRADE EQUIPMENT, SOLAR, TYPE B POST MOUNT	EA.	1.0
17	25680.803201M	TMS CABINET	EA.	1.0
18	25203.0201M	UNCLASSIFIED EXCAVATION & DISPOSAL (POST & FOUNDATION)	EA.	1.0

NOTES:
1. EXISTING CONDUIT TO REMAIN, WIRES TO BE REMOVED & DISPOSED.

"AS-BUILT REVISIONS"

DATE	DESCRIPTION	BY	SYM.
6/17/03	ADD 12 SOLAR PANEL	E. LANCELOT	1

REVISIONS

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

TITLE OF PROJECT
UPGRADING OF TRAFFIC MONITORING STATIONS

LOCATION OF PROJECT
VARIOUS LOCATIONS IN ALBANY DIVISION

TITLE OF DRAWING
PROPOSED PLAN

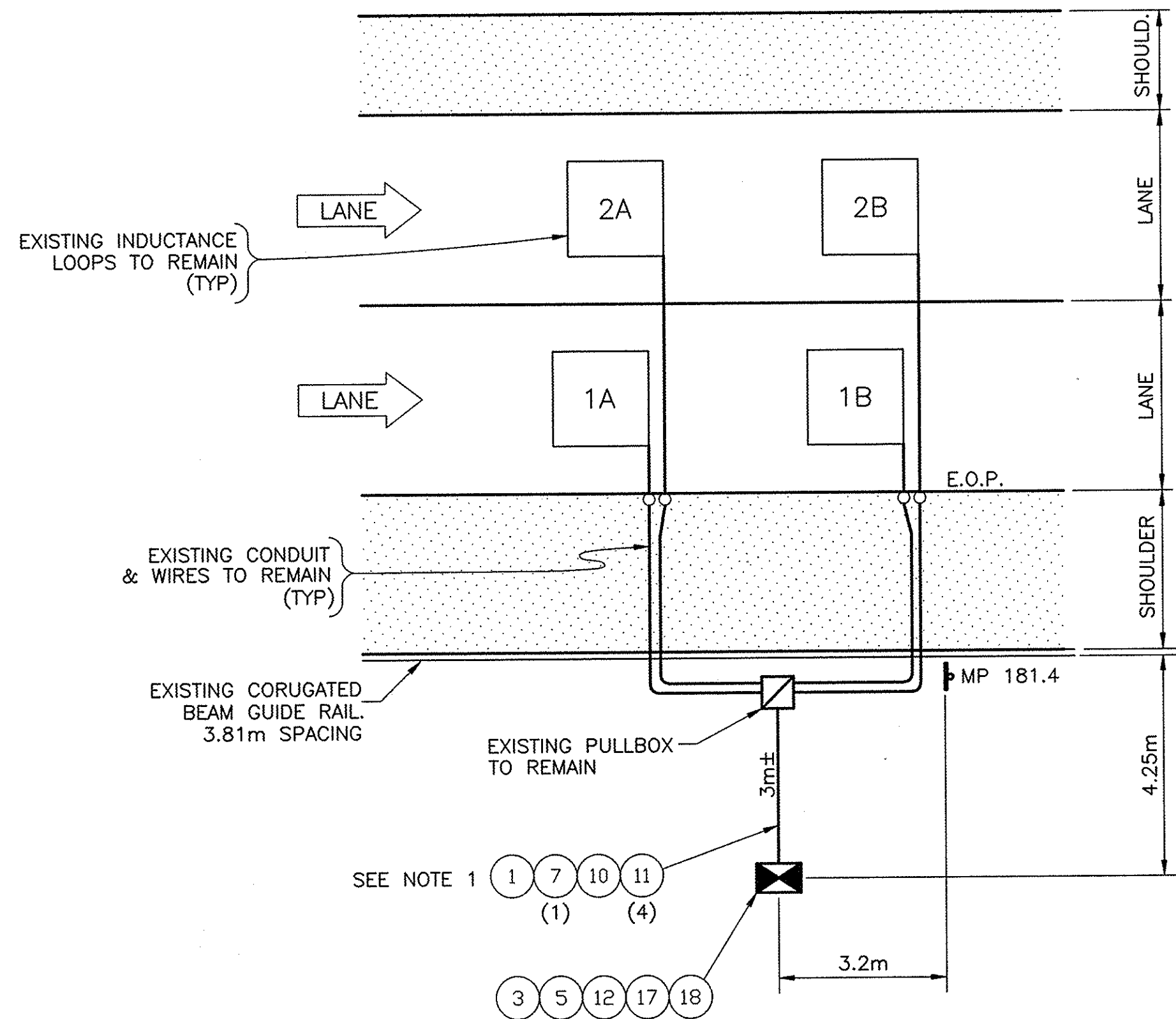


CONTRACT NUMBER:
TAA 02-711
DATE:
2002
DRAWING NUMBER:
175.1WB

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

ALBANY DIVISION CONSTRUCTION ENGINEER

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CHECKED BY:
DRAFTED BY:
DESIGNED BY:
IN CHARGE OF:



MP 181.4 EB
n.t.s.

NOTE:
1. EXISTING CONDUIT TO BE
ABANDONED. WIRES TO BE
REMOVED & DISPOSED.

REF#	ITEM	DESCRIPTION	UNIT	QUANTITY
1	206.03M	CONDUIT EXCAVATION & BACKFILL	M	3.0
3	25608.010201M	RESET WORK PAD	EA.	1.0
5	645.830202M	TYPE B, SIGN POST, GALV. W150x14, BI-DIR. BASE	EA.	2.0
7	670.7501M	GROUND WIRE NO. 6 AWG	M	6.0
10	680.520708M	CONDUIT, RIGID PLASTIC, 3 NPS	M	3.0
11	680.71M	SHIELDED LEAD-IN CABLE	M	24.0
12	25680.800101M	TMS UPGRADE EQUIPMENT, SOLAR, TYPE B POST MOUNT	EA.	1.0
17	25680.803201M	TMS CABINET	EA.	1.0
18	25203.0201M	UNCLASSIFIED EXCAVATION & DISPOSAL (POST & FOUNDATION)	EA.	1.0

"NO AS-BUILT REVISIONS"

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 UPGRADING OF TRAFFIC MONITORING STATIONS			
LOCATION OF PROJECT VARIOUS LOCATIONS IN ALBANY DIVISION			
TITLE OF DRAWING			

PROPOSED PLAN	
	CONTRACT NUMBER: TAA 02-711
	DATE: 2002
	DRAWING NUMBER: 181.4EB

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

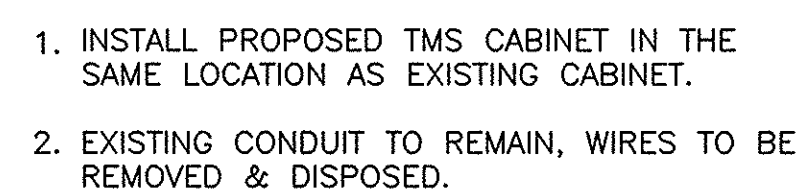


1. INSTALL PROPOSED CABINET IN THE SAME LOCATION AS EXISTING CABINET.
2. EXISTING CONDUIT TO BE ABANDONED. WIRES TO BE REMOVED & DISPOSED.

REF#	ITEM	DESCRIPTION	UNIT	QUANTITY
1	206.03M	CONDUIT EXCAVATION & BACKFILL	M	39.0
3	25608.010201M	RESET WORK PAD	EA.	1.0
5	645.830202M	TYPE B, SIGN POST, GALV. W150x14, BI-DIR. BASE	EA.	2.0
6	670.7007M	SINGLE CONDUCTOR NO. 12 AWG	M	90.0
7	670.7501M	GROUND WIRE NO. 6 AWG	M	48.0
8	680.510501M	PULLBOX, RECTANGULAR 650mm x 450mm REINFORCED CONCRETE	EA.	1.0
9	680.520705M	CONDUIT, RIGID PLASTIC, 1 1/2 NPS	M	38.0
10	680.520708M	CONDUIT, RIGID PLASTIC, 3 NPS	M	1.0
11	680.71M	SHIELDED LEAD-IN CABLE	M	16.0
15	25680.800301M	TMS UPGRADE EQUIPMENT, A-C, TYPE B POST MOUNT	EA.	1.0
17	25680.803201M	TMS CABINET	EA.	1.0
18	25203.0201M	UNCLASSIFIED EXCAVATION & DISPOSAL (POST & FOUNDATION)	EA.	1.0

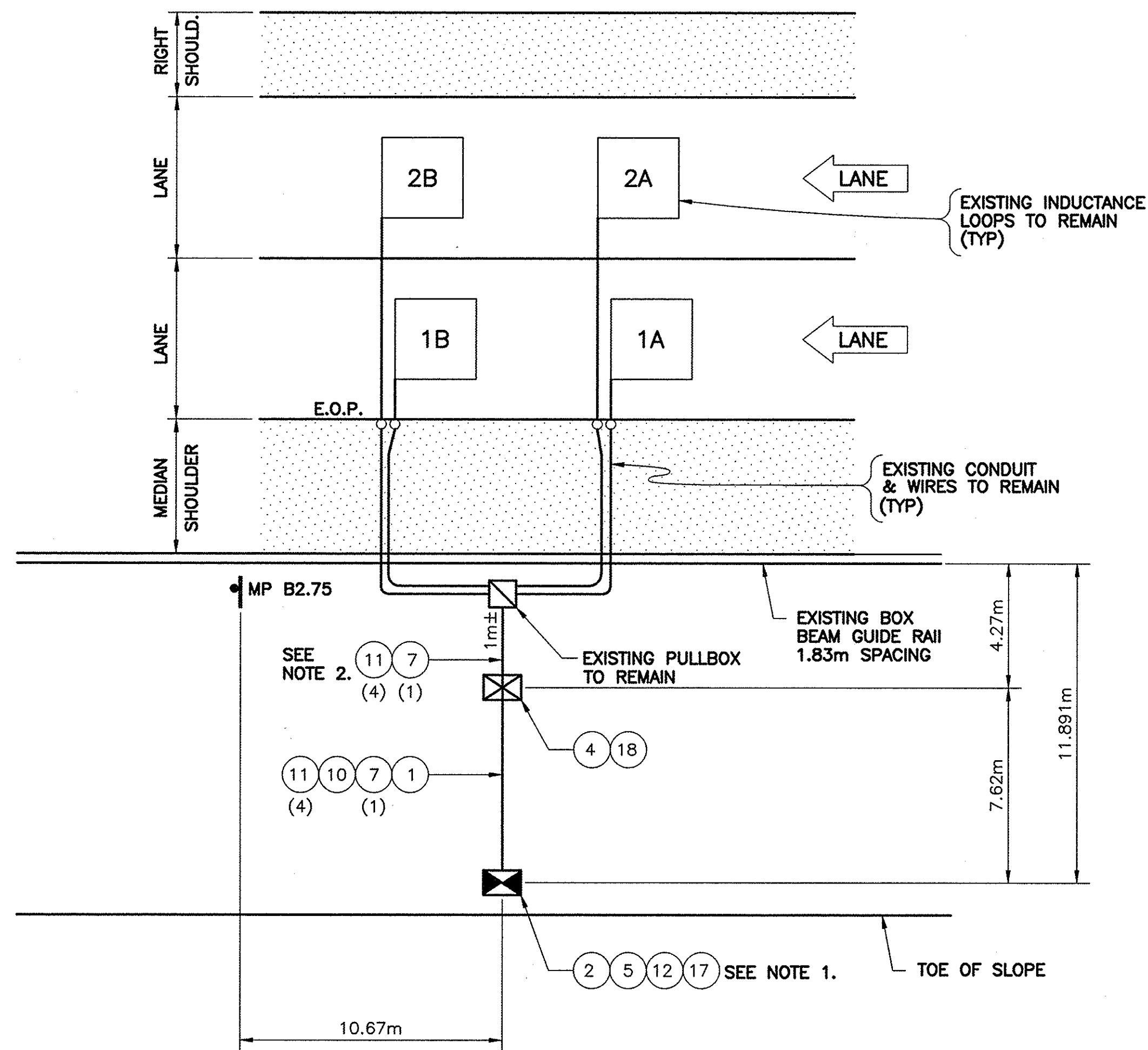
NOTE:
ALL DIMENSIONS ARE SHOWN IN MILLIMETERS
UNLESS OTHERWISE NOTED. ALL ELEVATIONS
ARE SHOWN IN METERS.

No "As Built Revisions"				
DATE	DESCRIPTION	BY	S	
REVISIONS				
NEW YORK STATE THRUWAY AUTHORITY DEPARTMENT OF ENGINEERING AND MAINTENANCE 200 SOUTHERN BLVD., ALBANY, N.Y. 12209				
TITLE OF PROJECT UPGRADING OF TRAFFIC MONITORING STATIONS				
LOCATION OF PROJECT VARIOUS LOCATIONS IN ALBANY DIVISION				
TITLE OF DRAWING PROPOSED PLAN				
		CONTRACT NUMBER: TAA 02-711		
		DATE: 2002		
		DRAWING NUMBER: 184.6EE		

187.2WB

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

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CHECKED BY:
DRAFTED BY:
DESIGNED BY:
IN CHARGE OF:



MP B2.76 EB
n.t.s.

REF#	ITEM	DESCRIPTION	UNIT	QUANTITY
1	206.03M	CONDUIT EXCAVATION & BACKFILL	M	8.0
2	25608.010101M	WORK PAD	EA.	1.0
4	25203.0201M	UNCLASSIFIED EXCAVATION & DISPOSAL (WORK PAD)	EA.	1.0
5	645.830202M	TYPE B, SIGN POST, GALV. W150x14, BI-DIR. BASE	EA.	2.0
7	670.7501M	GROUND WIRE NO. 6 AWG	M	13.0
10	680.520708M	CONDUIT, RIGID PLASTIC, 3 NPS	M	8.0
11	680.71M	SHIELDED LEAD-IN CABLE	M	52.0
12	25680.800101M	TMS UPGRADE EQUIPMENT, SOLAR, TYPE B POST MOUNT	EA.	1.0
17	25680.803201M	TMS CABINET	EA.	1.0
18	25203.0201M	UNCLASSIFIED EXCAVATION & DISPOSAL (POST & FOUNDATION)	EA.	1.0

NOTES:

1. INSTALL PROPOSED TMS CABINET WITH DOOR OPENING ON ROADWAY SIDE.
2. EXISTING CONDUIT TO REMAIN, WIRES TO BE REMOVED & DISPOSED.

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

"No As-Built Revisions"

DATE	DESCRIPTION	BY	SYM.
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REVISIONS

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

TITLE OF PROJECT
UPGRADING OF TRAFFIC
MONITORING STATIONS

LOCATION OF PROJECT
VARIOUS LOCATIONS
IN ALBANY DIVISION

TITLE OF DRAWING

PROPOSED PLAN

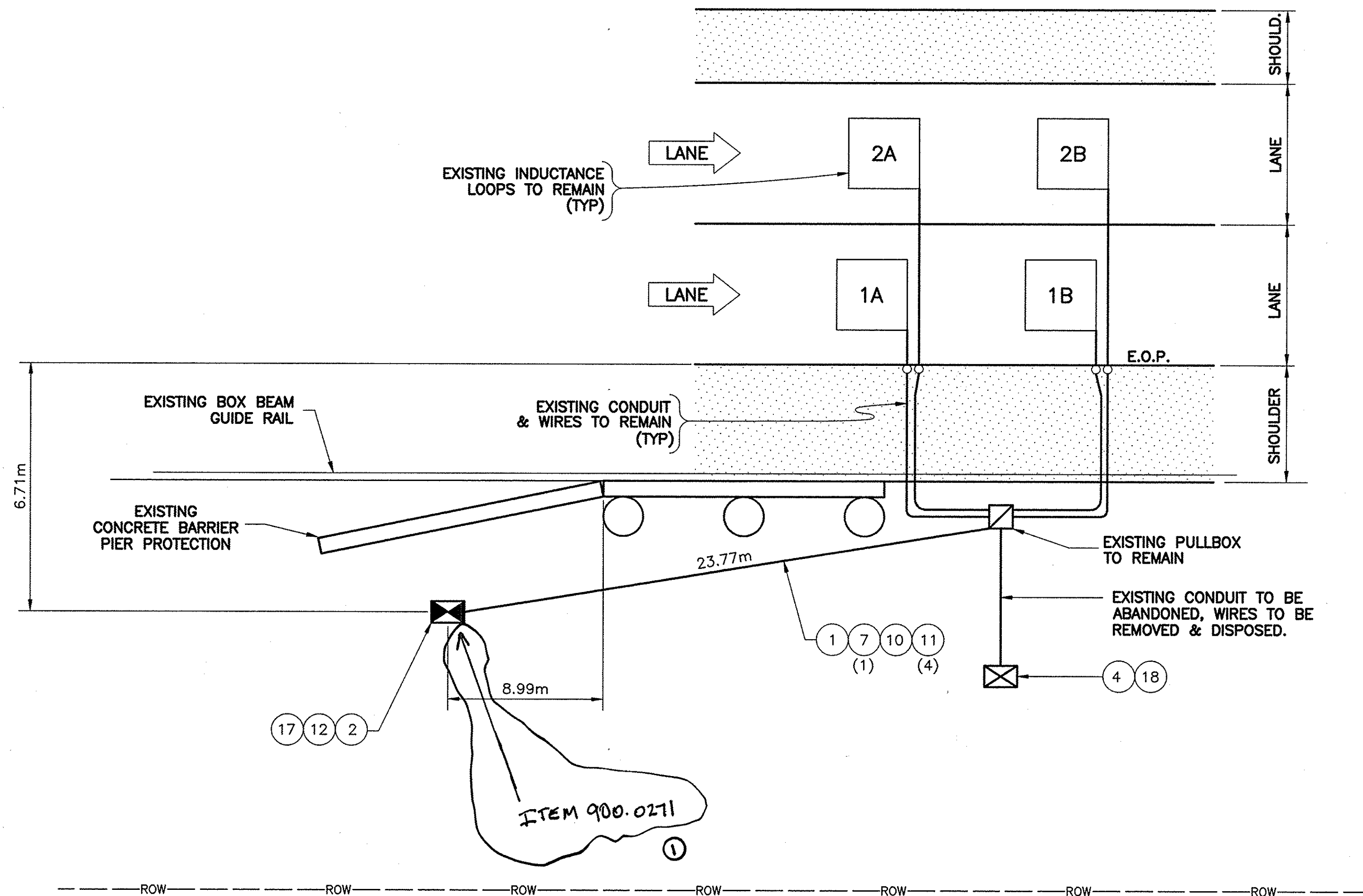


CONTRACT NUMBER:
TAA 02-711

DATE:
2002

DRAWING NUMBER:
B2.76EB

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DRAFTED BY:
DESIGNED BY:
IN CHARGE OF:



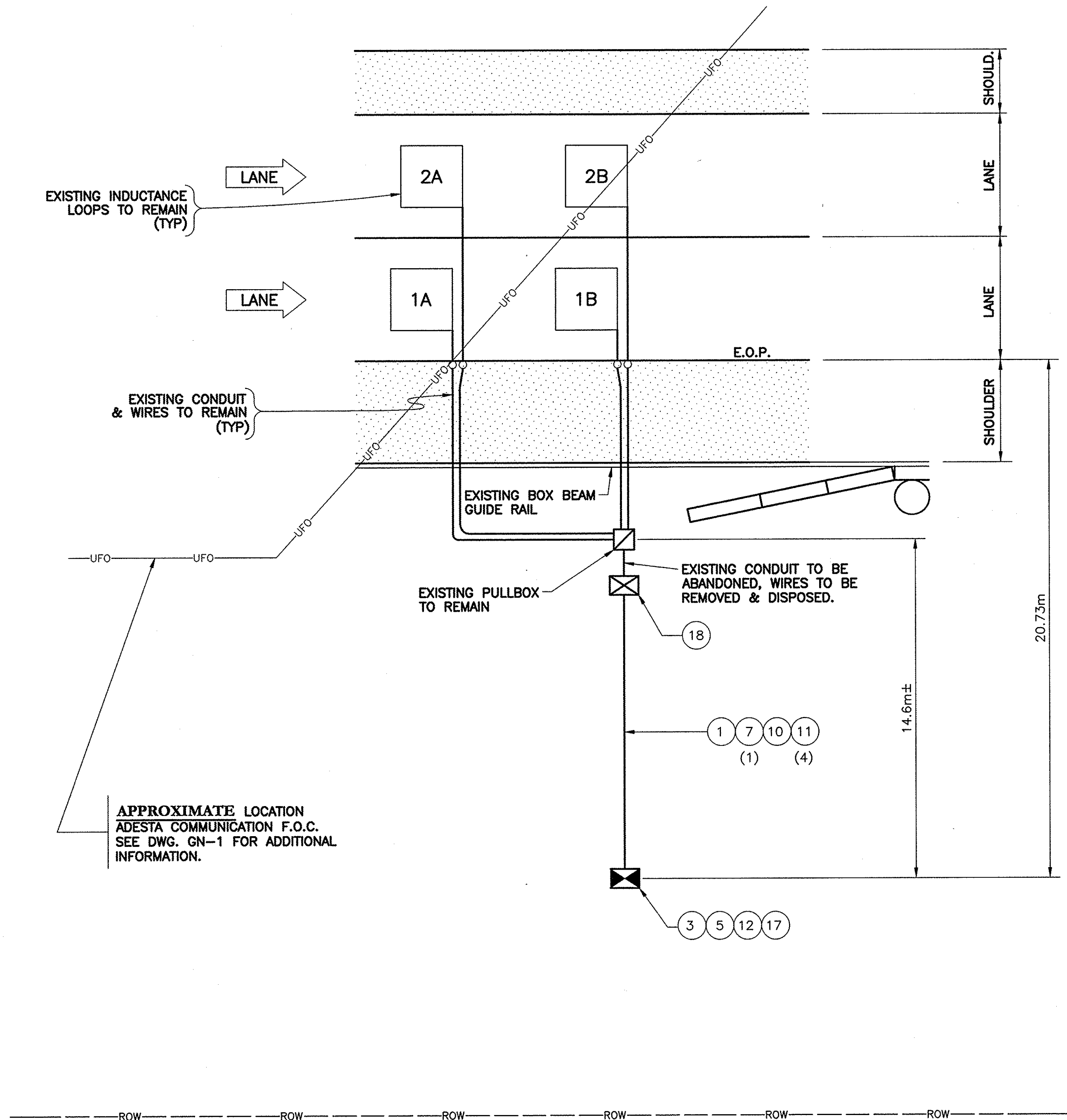
MP B2.76 WB
n.t.s.

REF#	ITEM	DESCRIPTION	UNIT	QUANTITY
1	206.03M	CONDUIT EXCAVATION & BACKFILL	M	24.0
2	25608.010101M	WORK PAD	EA.	1.0
4	25203.0201M	UNCLASSIFIED EXCAVATION & DISPOSAL (WORK PAD)	EA.	1.0
5	645.830202M	TYPE B, SIGN POST, GALV. W150x14, BI-DIR. BASE	EA.	2.0
7	670.7501M	GROUND WIRE NO. 6 AWG	M	27.0
10	680.520708M	CONDUIT, RIGID PLASTIC, 3 NPS	M	27.0
11	680.71M	SHIELDED LEAD-IN CABLE	M	108.0
12	25680.800101M	TMS UPGRADE EQUIPMENT, SOLAR, TYPE B POST MOUNT	EA.	1.0
17	25680.803201M	TMS CABINET	EA.	1.0
18	25203.0201M	UNCLASSIFIED EXCAVATION & DISPOSAL (POST & FOUNDATION)	EA.	1.0

ALBANY DIVISION CONSTRUCTION
ENGINEER

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

"AS-BUILT REVISIONS"			
6/17/03	ADD SOLAR PANEL	C. LANCELOT	1
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 UPGRADING OF TRAFFIC MONITORING STATIONS			
LOCATION OF PROJECT VARIOUS LOCATIONS IN ALBANY DIVISION			
TITLE OF DRAWING PROPOSED PLAN			
		CONTRACT NUMBER: TAA 02-711	
		DATE: 2002	
		DRAWING NUMBER: B2.76WB	



MP B11.21 EB
n.t.s.

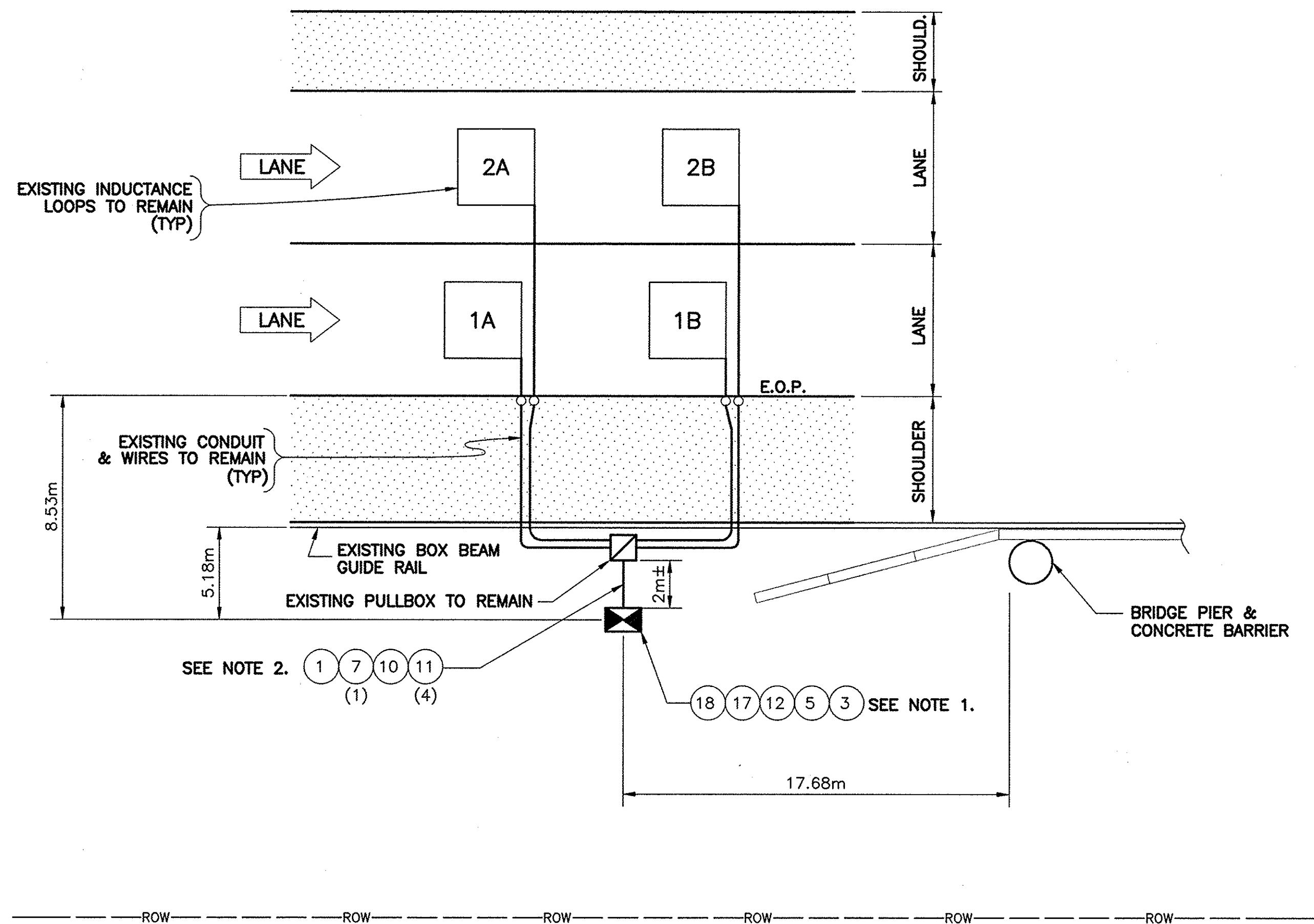
REF#	ITEM	DESCRIPTION	UNIT	QUANTITY
1	206.03M	CONDUIT EXCAVATION & BACKFILL	M	15.0
3	25608.010201M	RESET WORK PAD	EA.	1.0
5	645.830202M	TYPE B, SIGN POST, GALV. W150x14, BI-DIR. BASE	EA.	2.0
7	670.7501M	GROUND WIRE NO. 6 AWG	M	18.0
10	680.520708M	CONDUIT, RIGID PLASTIC, 3 NPS	M	15.0
11	680.71M	SHIELDED LEAD-IN CABLE	M	72.0
12	25680.800101M	TMS UPGRADE EQUIPMENT, SOLAR, TYPE B POST MOUNT	EA.	1.0
17	25680.803201M	TMS CABINET	EA.	1.0
18	25203.0201M	UNCLASSIFIED EXCAVATION & DISPOSAL (POST & FOUNDATION)	EA.	1.0

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

"NO AS-BUILT REVISIONS"

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 UPGRADING OF TRAFFIC MONITORING STATIONS			
LOCATION OF PROJECT VARIOUS LOCATIONS IN ALBANY DIVISION			
TITLE OF DRAWING PROPOSED PLAN			
		CONTRACT NUMBER: TAA 02-711	
		DATE: 2002	
		DRAWING NUMBER: B11.2EB	

IN CHARGE OF: DESIGNED BY: DRAFTED BY: CHECKED BY: G:\2002\TDS2\MPB13-3WB.DWG



MP B13.26 WB
n.t.s.

REF#	ITEM	DESCRIPTION	UNIT	QUANTITY
1	206.03M	CONDUIT EXCAVATION & BACKFILL	M	2.0
3	25608.010201M	RESET WORK PAD	EA.	1.0
5	645.830202M	TYPE B, SIGN POST, GALV. W150x14, BI-DIR. BASE	EA.	2.0
7	670.7501M	GROUND WIRE NO. 6 AWG	M	5.0
10	680.520708M	CONDUIT, RIGID PLASTIC, 3 NPS	M	2.0
11	680.71M	SHIELDED LEAD-IN CABLE	M	20.0
12	25680.800101M	TMS UPGRADE EQUIPMENT, SOLAR, TYPE B POST MOUNT	EA.	1.0
17	25680.803201M	TMS CABINET	EA.	1.0
18	25203.0201M	UNCLASSIFIED EXCAVATION & DISPOSAL (POST & FOUNDATION)	EA.	1.0

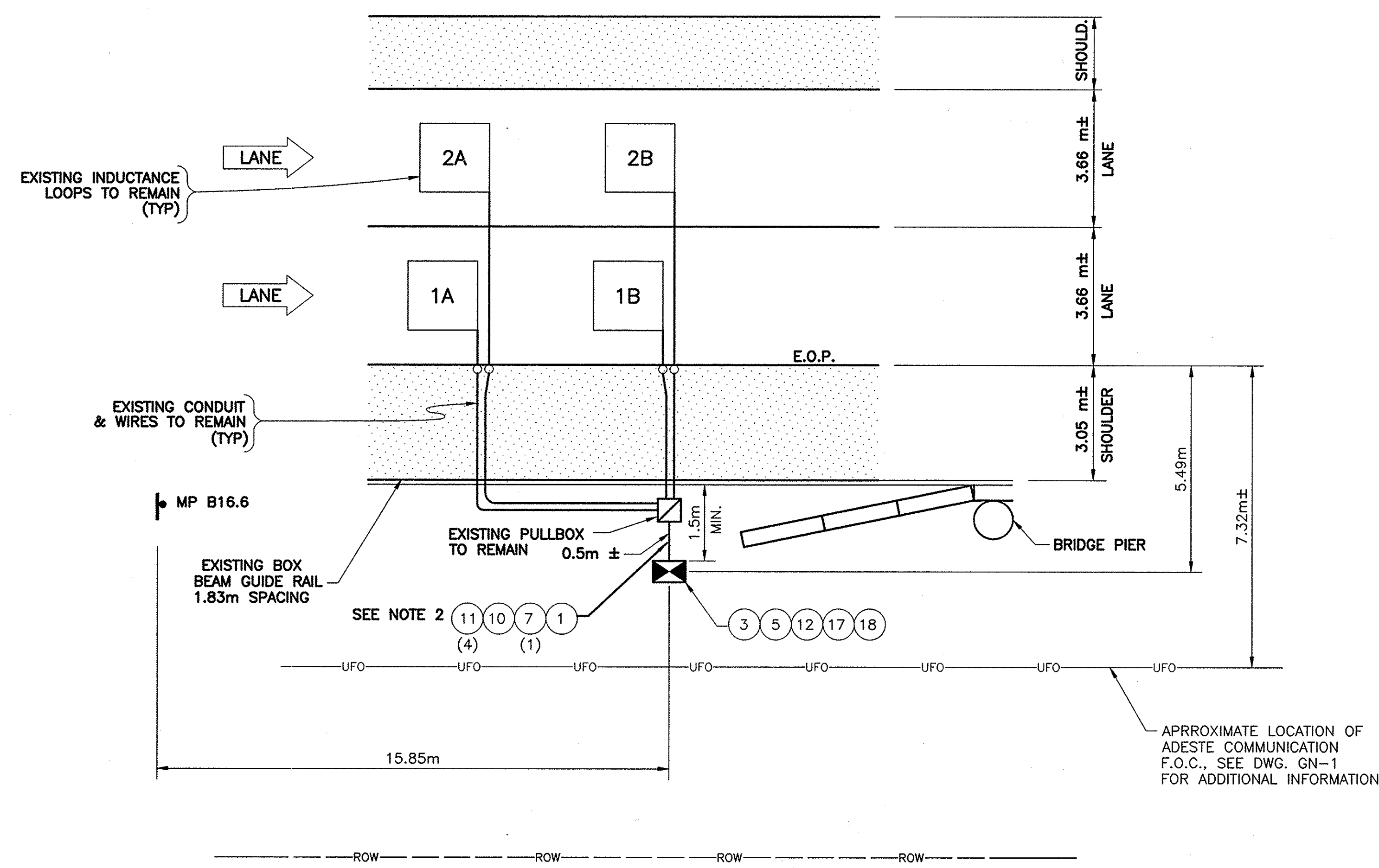
NOTES:

1. INSTALL PROPOSED TMS CABINET IN SAME LOCATION AS EXISTING CABINET
2. EXISTING CONDUIT TO BE ABANDONED. WIRES TO BE REMOVED & DISPOSED.

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

"NO AS-BUILT REVISIONS"			
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 UPGRADING OF TRAFFIC MONITORING STATIONS			
LOCATION OF PROJECT VARIOUS LOCATIONS IN ALBANY DIVISION			
TITLE OF DRAWING PROPOSED PLAN			
		CONTRACT NUMBER:	TAA 02-711
		DATE:	2002
		DRAWING NUMBER:	B13.3WB

C:\2002\TDS2\MPB16-6EB.DWG
CHECKED BY:
DRAFTED BY:
DESIGNED BY:
IN CHARGE OF:



MP B16.6 EB
n.t.s.

REF#	ITEM	DESCRIPTION	UNIT	QUANTITY
1	206.03M	CONDUIT EXCAVATION & BACKFILL	M	2.0
3	25608.010201M	RESET WORK PAD	EA.	1.0
5	645.830202M	TYPE B, SIGN POST, GALV. W150x14, BI-DIR. BASE	EA.	2.0
7	670.7501M	GROUND WIRE NO. 6 AWG	M	5.0
10	680.520708M	CONDUIT, RIGID PLASTIC, 3 NPS	M	2.0
11	680.71M	SHIELDED LEAD-IN CABLE	M	20.0
12	25680.800101M	TMS UPGRADE EQUIPMENT, SOLAR, TYPE B POST MOUNT	EA.	1.0
17	25680.803201M	TMS CABINET	EA.	1.0
18	25203.0201M	UNCLASSIFIED EXCAVATION & DISPOSAL (POST & FOUNDATION)	EA.	1.0

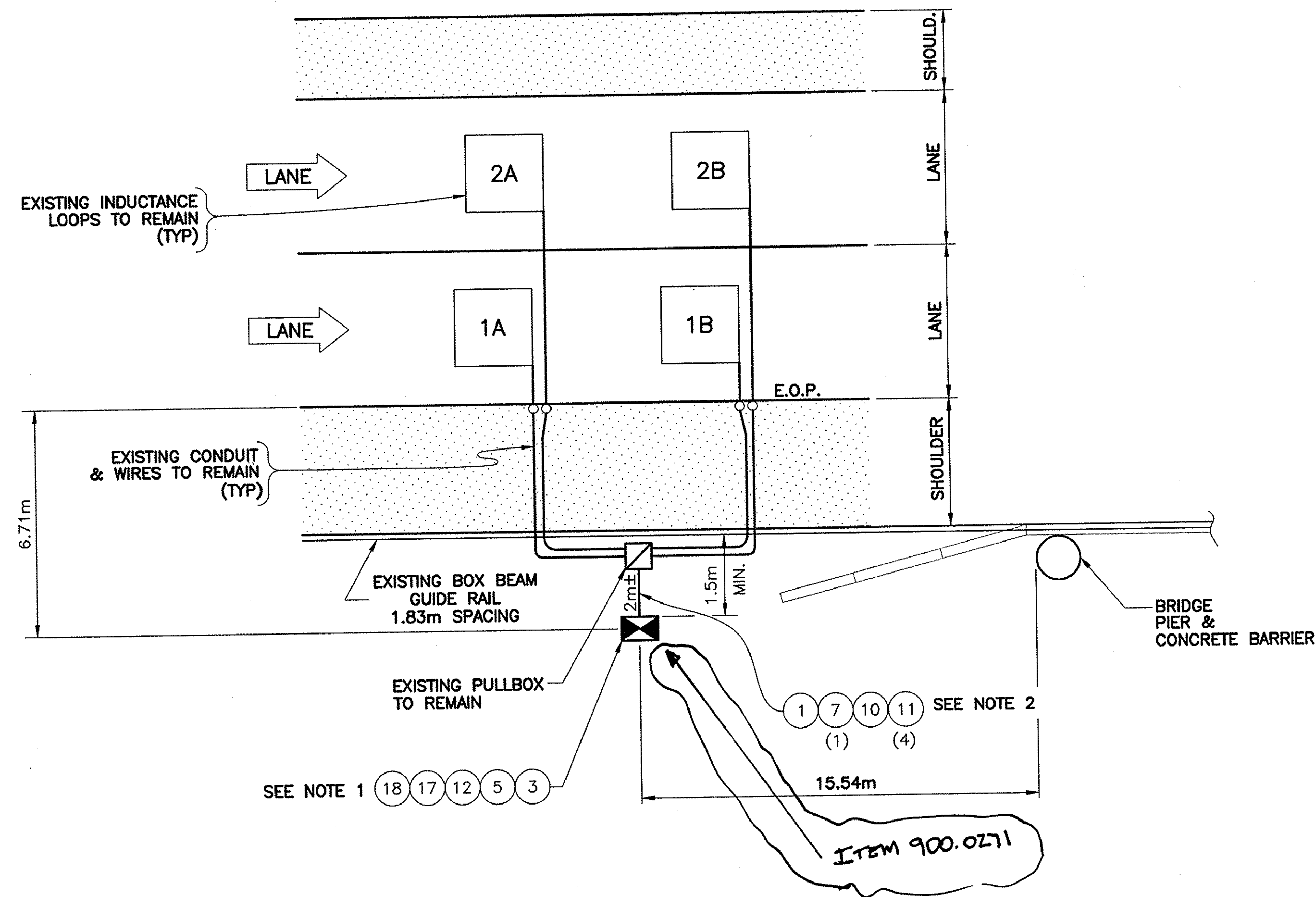
- NOTES:**
1. INSTALL PROPOSED TMS CABINET IN SAME LOCATION AS EXISTING CABINET.
 2. EXISTING CONDUIT TO BE ABANDONED, WIRES TO BE REMOVED & DISPOSED.

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

"NO AS-BUILT REVISIONS"

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 UPGRADING OF TRAFFIC MONITORING STATIONS			
LOCATION OF PROJECT VARIOUS LOCATIONS IN ALBANY DIVISION			
TITLE OF DRAWING PROPOSED PLAN			
		CONTRACT NUMBER: TAA 02-711	
		DATE: 2002	
		DRAWING NUMBER: B16.6EB	

C:\2002\TDS\WPB20-4WB.DWG
CHECKED BY:
DRAFTED BY:
DESIGNED BY:
IN CHARGE OF:



MP B20.4 WB
n.t.s.

REF#	ITEM	DESCRIPTION	UNIT	QUANTITY
1	206.03M	CONDUIT EXCAVATION & BACKFILL	M	2.0
3	25608.010201M	RESET WORK PAD	EA.	1.0
5	645.830202M	TYPE B, SIGN POST, GALV. W150x14, BI-DIR. BASE	EA.	2.0
7	670.7501M	GROUND WIRE NO. 6 AWG	M	5.0
10	680.520708M	CONDUIT, RIGID PLASTIC, 3 NPS	M	2.0
11	680.71M	SHIELDED LEAD-IN CABLE	M	20.0
12	25680.800101M	TMS UPGRADE EQUIPMENT, SOLAR, TYPE B POST MOUNT	EA.	1.0
17	25680.803201M	TMS CABINET	EA.	1.0
18	25203.0201M	UNCLASSIFIED EXCAVATION & DISPOSAL (POST & FOUNDATION)	EA.	1.0

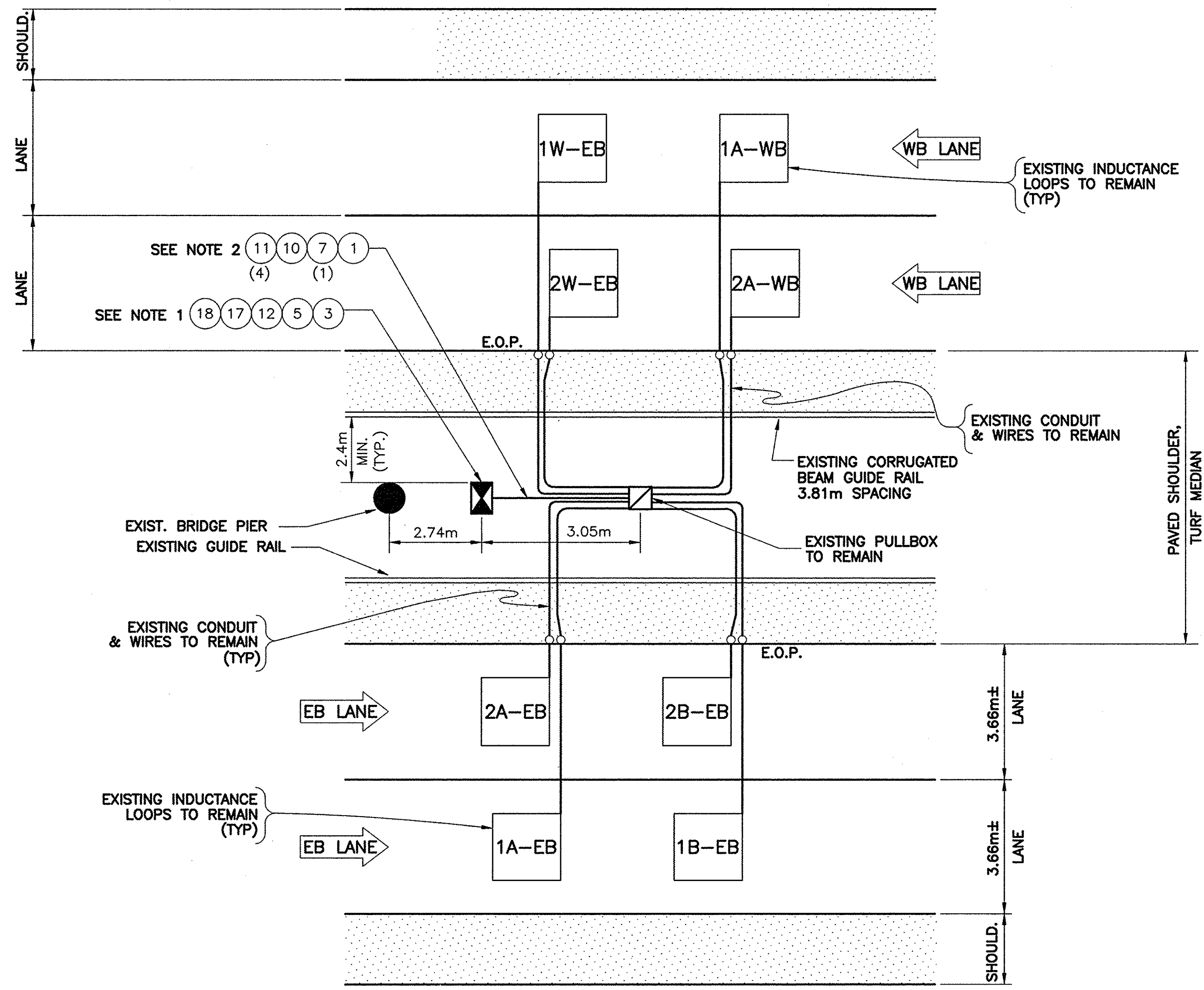
NOTES

1. INSTALL PROPOSED TMS CABINET IN SAME LOCATIO AS EXISTING WITH DOOR OPENING ON ROADWAY SIDE.
2. EXISTING CONDUIT TO BE ABANDONED, WIRES TO BE REMOVED & DISPOSED.

ALBANY DIVISION CONSTRUCTION
ENGINEER

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

"AS-BUILT REVISIONS"			
DATE	DESCRIPTION	BY	SYM.
6/17/02	ADD SOLAR PANEL	G. LANCELOT	①
REVISIONS			
NEW YORK STATE THRUWAY AUTHORITY DEPARTMENT OF ENGINEERING AND MAINTENANCE 200 SOUTHERN BLVD., ALBANY, N.Y. 12209			
TITLE OF PROJECT UPGRADING OF TRAFFIC MONITORING STATIONS			
LOCATION OF PROJECT VARIOUS LOCATIONS IN ALBANY DIVISION			
TITLE OF DRAWING PROPOSED PLAN			
CONTRACT NUMBER: TAA 02-711		DATE: 2002	
DRAWING NUMBER: B20.4WB			



MP B24.09
n.t.s.

REF#	ITEM	DESCRIPTION	UNIT	QUANTITY
1	206.03M	CONDUIT EXCAVATION & BACKFILL	M	3.0
3	25608.010201M	RESET WORK PAD	EA.	1.0
5	645.830202M	TYPE B, SIGN POST, GALV. W150x14, BI-DIR. BASE	EA.	2.0
7	670.7501M	GROUND WIRE NO. 6 AWG	M	6.0
10	680.520708M	CONDUIT, RIGID PLASTIC, 3 NPS	M	3.0
11	680.71M	SHIELDED LEAD-IN CABLE	M	48.0
12	25680.800101M	TMS UPGRADE EQUIPMENT, SOLAR, TYPE B POST MOUNT	EA.	1.0
17	25680.803201M	TMS CABINET	EA.	1.0
18	25203.0201M	UNCLASSIFIED EXCAVATION & DISPOSAL (POST & FOUNDATION)	EA.	1.0

NOTES:

1. INSTALL PROPOSED TMS CABINET IN SAME LOCATION AS EXISTING WITH DOOR OPENING ON BRIDGE SIDE.
2. EXISTING CONDUIT TO BE ABANDONED. WIRES TO BE REMOVED & DISPOSED.

"NO AS-BUILT REVISIONS"

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
UPGRADING OF TRAFFIC
MONITORING STATIONS

LOCATION OF PROJECT
VARIOUS LOCATIONS
IN ALBANY DIVISION

TITLE OF DRAWING

PROPOSED PLAN



CONTRACT NUMBER:

TAA 02-711

DATE:

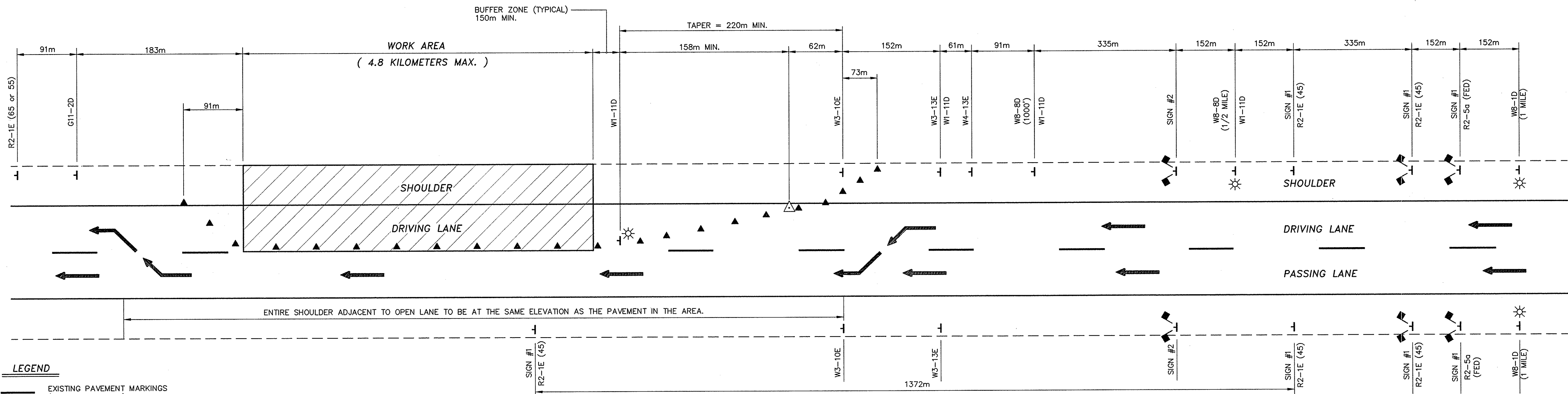
2002

DRAWING NUMBER:

B24.1

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

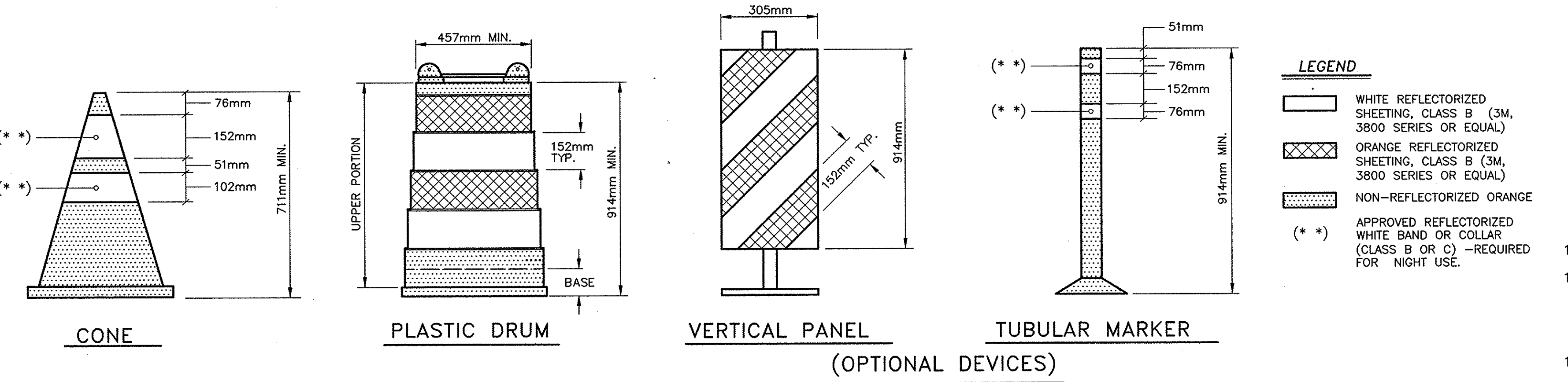
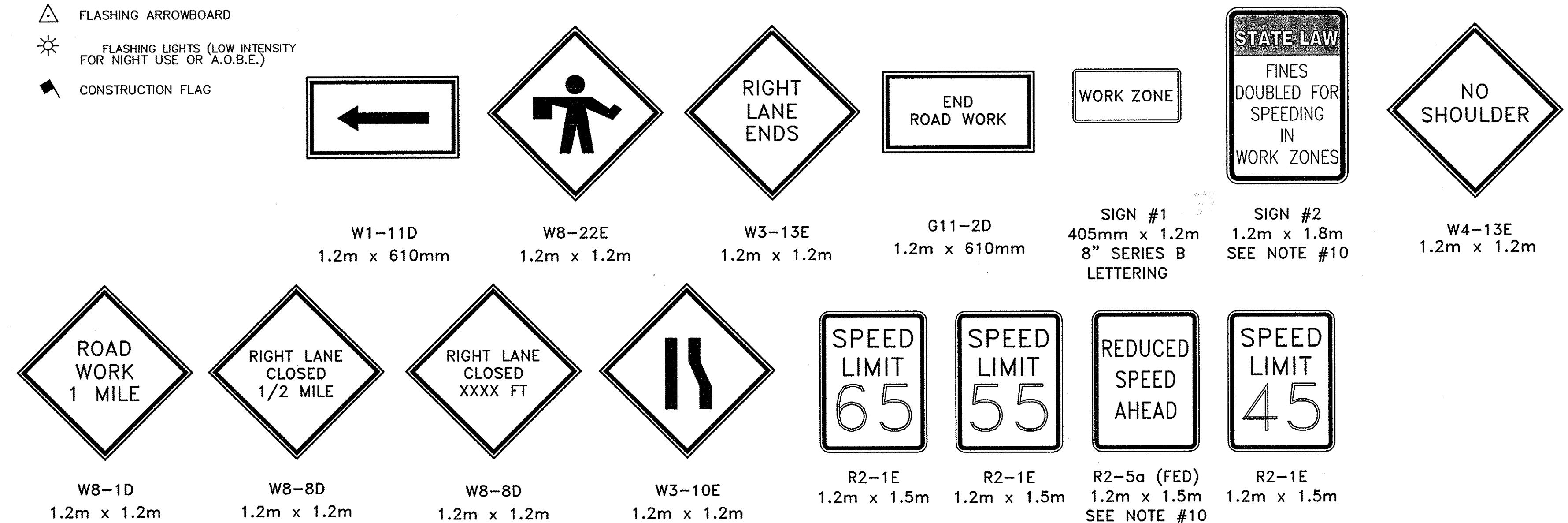
IN CHARGE OF: I. GEMMITI
DESIGNED BY: IA
DRAFTED BY: CAD/DH
CHECKED BY: JZ
G:\2002\TBS2\TC-1.DWG



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
N.T.S.



TRAFFIC CONTROL DEVICES

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

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.

"No As-Built Revisions"

DATE	DESCRIPTION	BY	SYM.

REVISIONS

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

TITLE OF PROJECT
UPGRADIG OF TRAFFIC MONITORING STATIONS

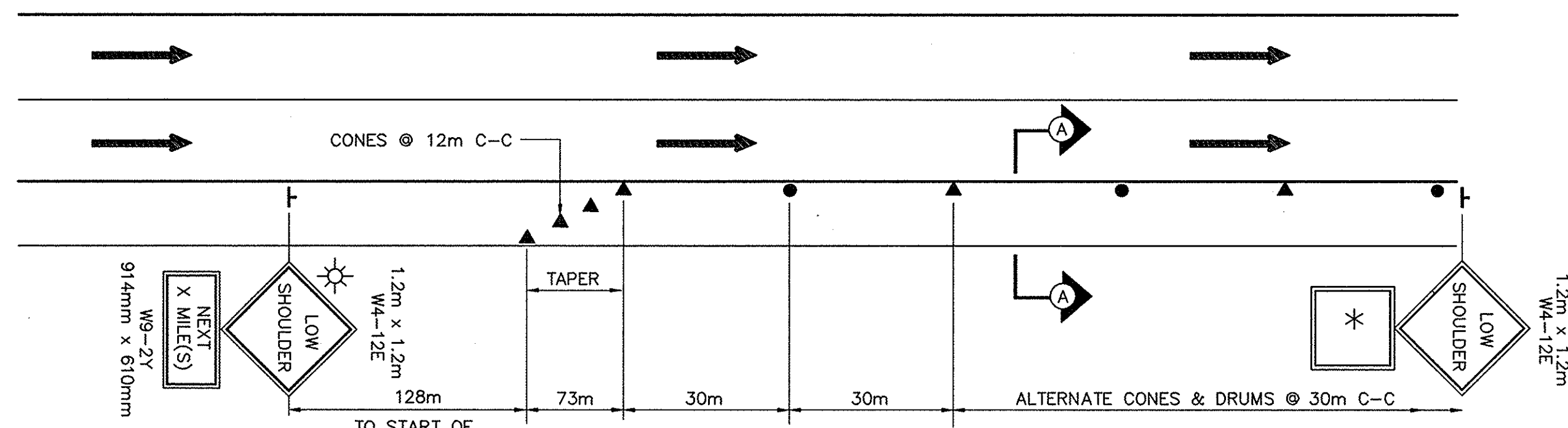
LOCATION OF PROJECT
VARIOUS LOCATIONS IN ALBANY DIVISION

TITLE OF DRAWING
LANE CLOSURE (DAILY)

CONTRACT NUMBER:
TAA 02-711

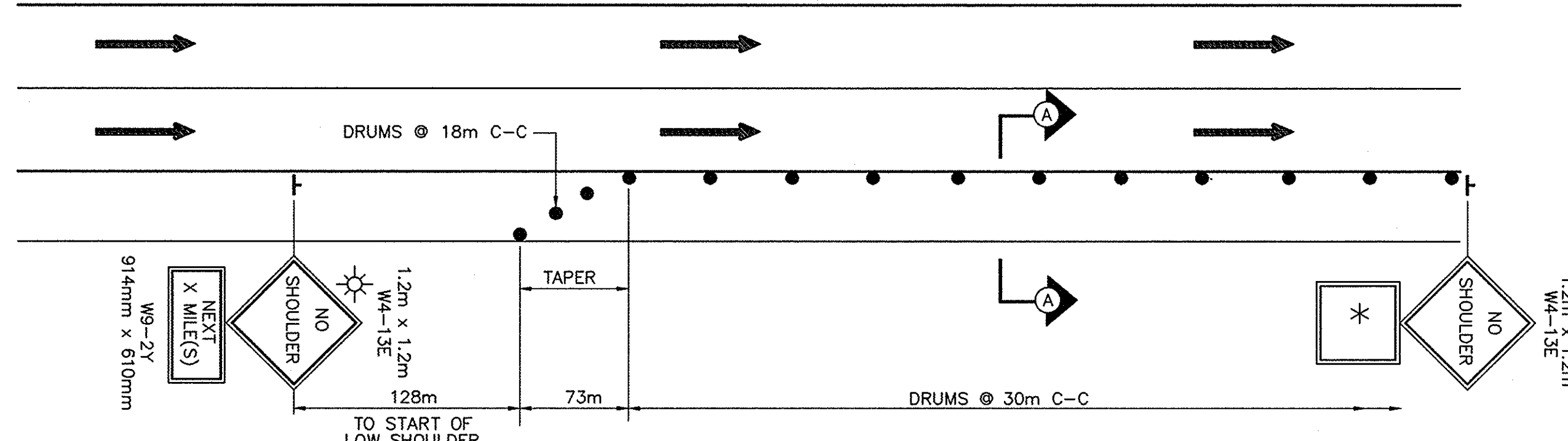
DATE:
2002

DRAWING NUMBER:
TC-1



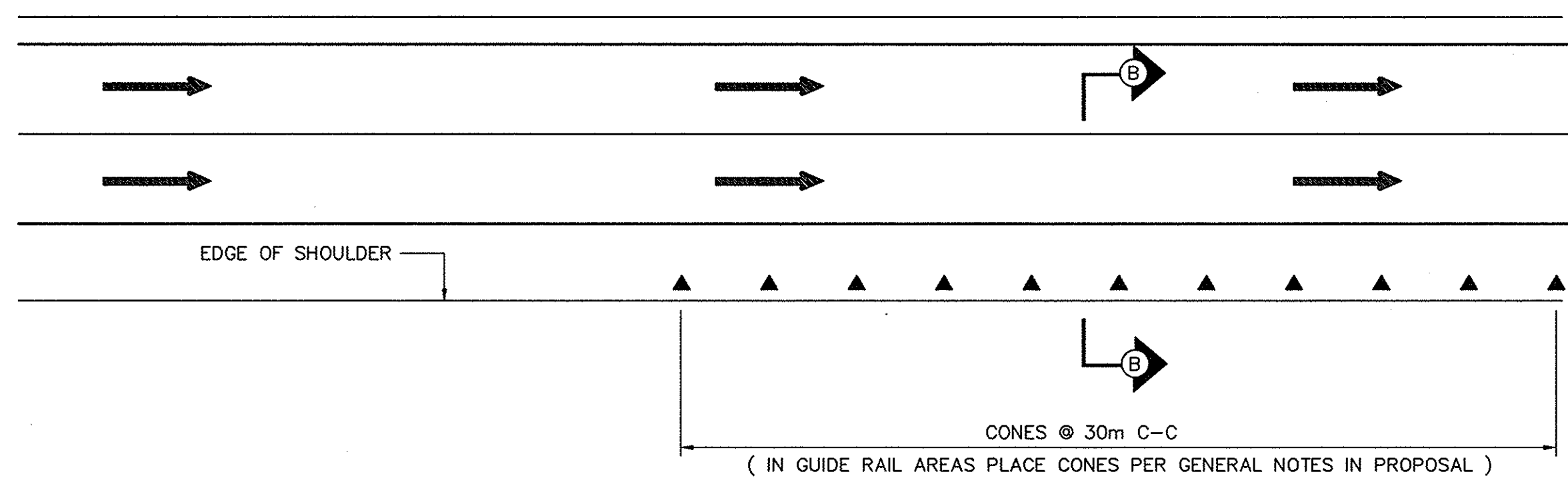
TRAFFIC CONTROL PLAN IN AREAS WITH A SHOULDER DROP OF 38mm TO 102mm

(*) W9-2Y SIGN IS REQUIRED EVERY 805m UNLESS WITHIN 305m OF END OF SECTION
NOTE: REPEAT W4-12E SIGN EVERY 305m

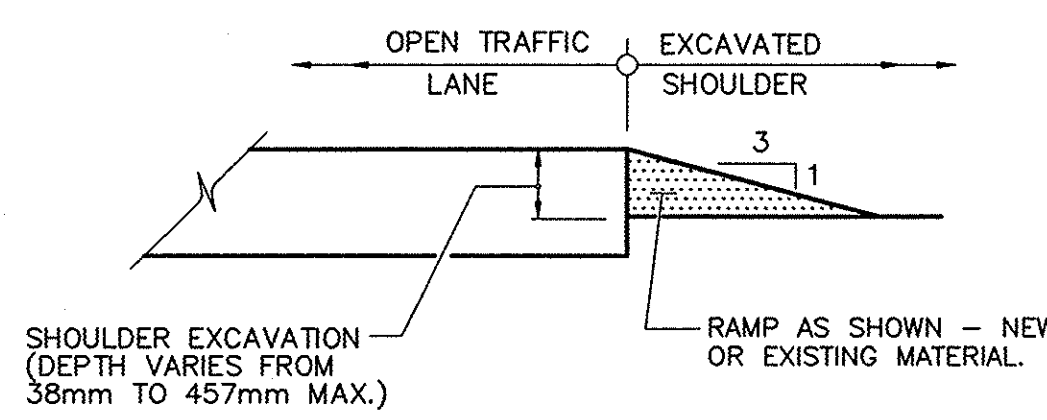


TRAFFIC CONTROL PLAN IN AREAS WITH A SHOULDER DROP OF MORE THAN 102mm AND LESS THAN 457mm

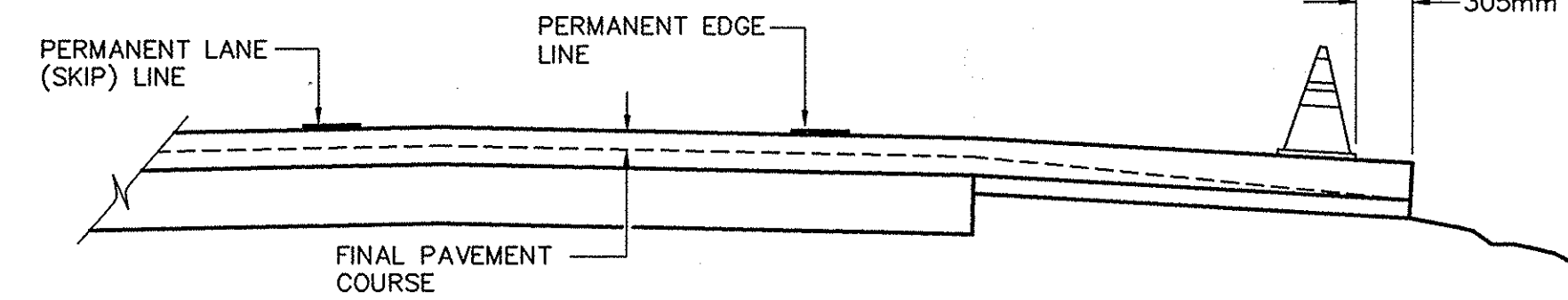
NOTE: REPEAT W4-13E SIGN EVERY 305m.



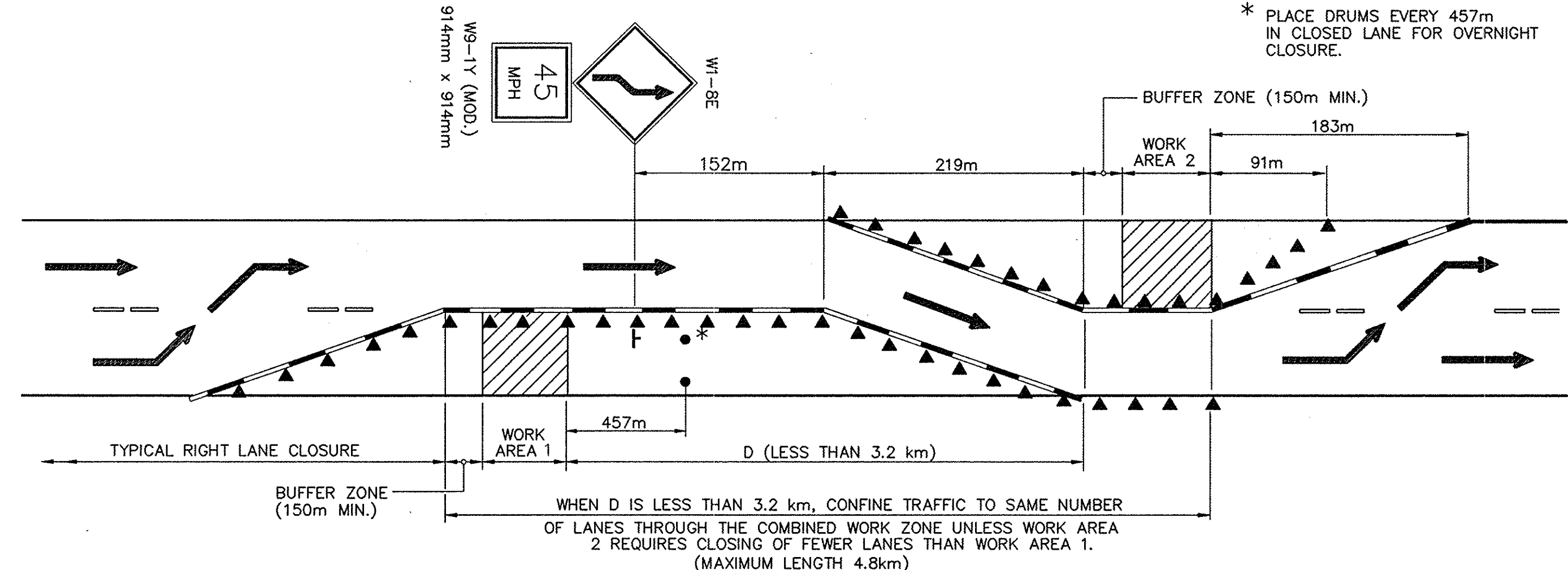
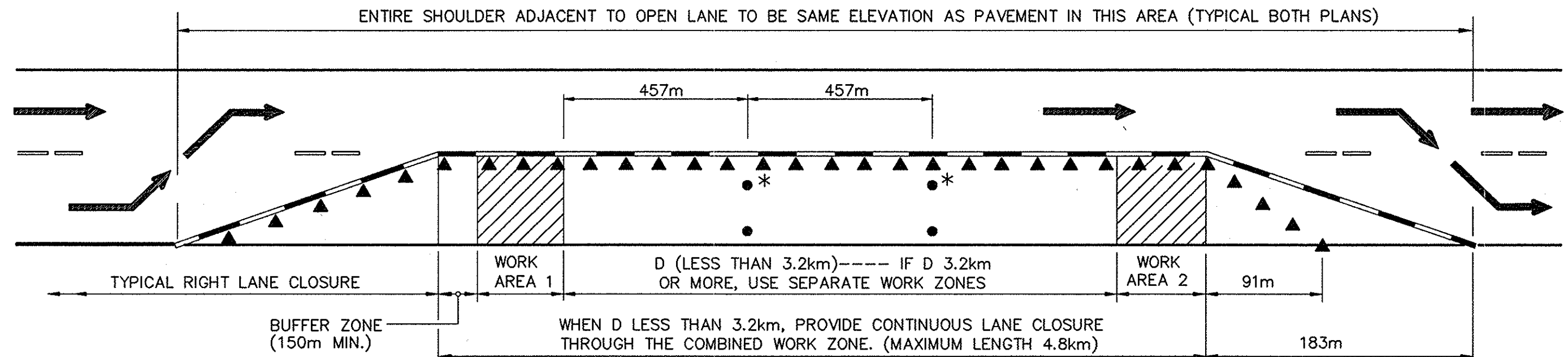
TRAFFIC CONTROL PLAN IN AREAS WITH FINAL PAVEMENT COURSE PLACED AND PERMANENT PAVEMENT DELINEATION INSTALLED WITH DROP AT EDGE OF SHOULDER



SECTION A-A

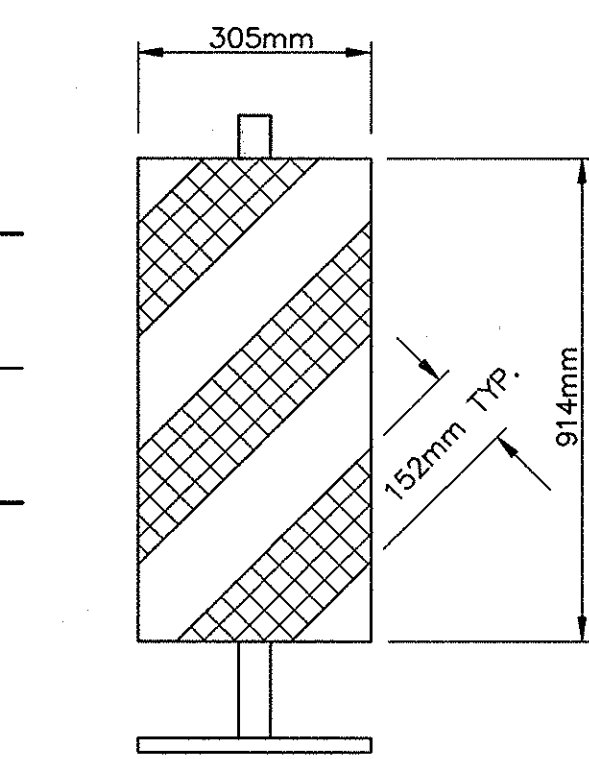


SECTION B-B
(AREAS WITHOUT SHOULDER BACK-UP INSTALLED)

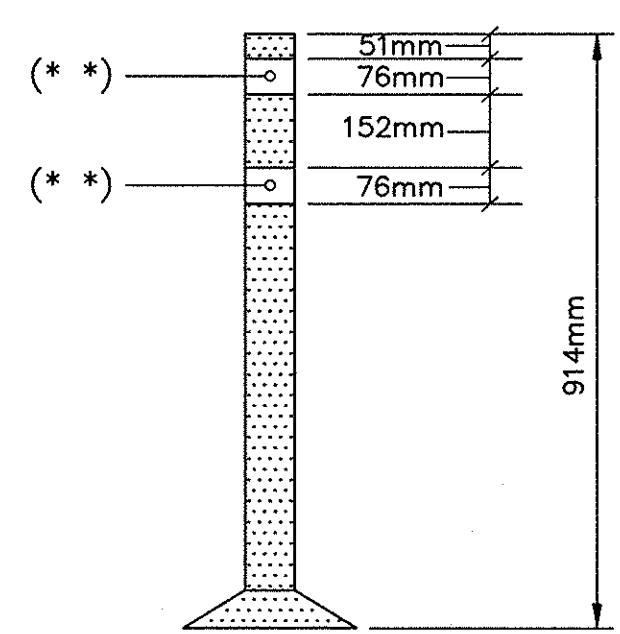


SUCCESSIVE WORK ZONES - TWO LANE SECTIONS (THREE LANE SIMILAR)

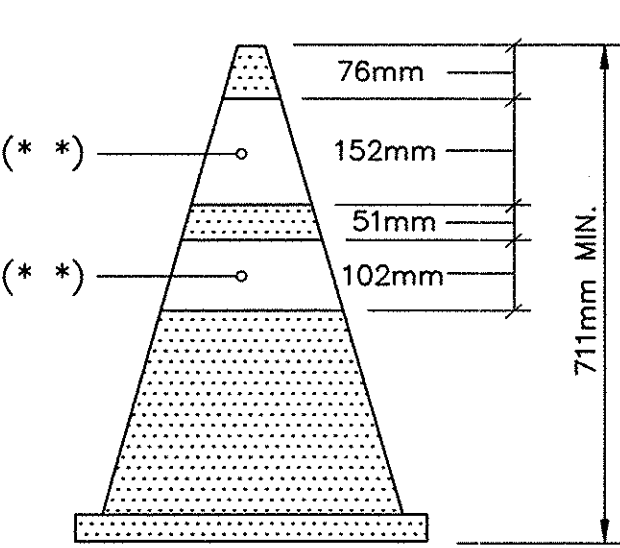
- LEGEND**
- WHITE REFLECTORIZED SHEETING, CLASS B (3M, 3800 SERIES OR EQUAL)
 - ORANGE REFLECTORIZED SHEETING, CLASS B (3M, 3800 SERIES OR EQUAL)
 - NON-REFLECTORIZED ORANGE
 - APPROVED REFLECTORIZED WHITE BAND OR COLLAR (CLASS B OR C) - REQUIRED FOR NIGHT USE.
 - (*) OPTIONAL DEVICES MAY BE SUBSTITUTED FOR CONES WITH THE APPROVAL OF THE ENGINEER.



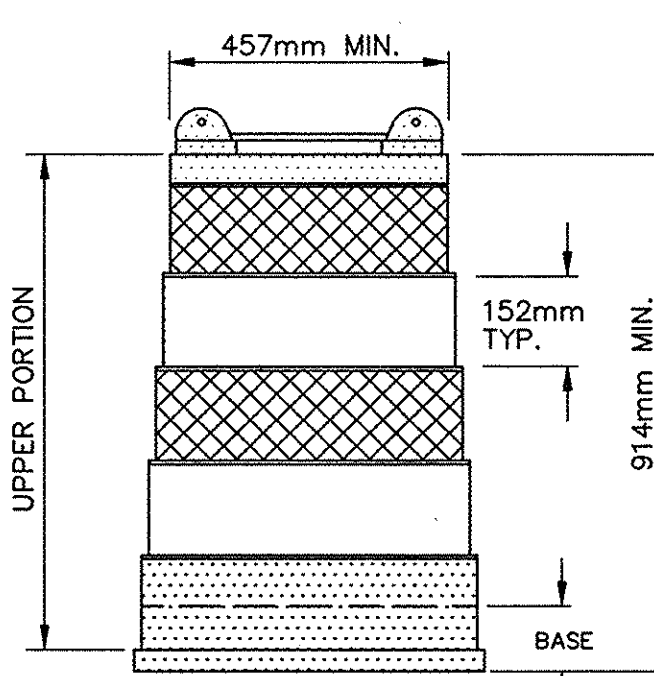
VERTICAL PANEL



TUBULAR MARKER



CONE



PLASTIC DRUM

(OPTIONAL DEVICES) (+)

TRAFFIC CONTROL DEVICES

NOTE "A"

EXISTING PAVEMENT MARKINGS SHALL BE MAINTAINED BY THE CONTRACTOR WITHIN PROJECT LIMITS. IF CONTRACTOR'S OPERATIONS IN ANY WORK AREA 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.

NOTES FOR SHOULDER EXCAVATION PROTECTION:

THE DISTANCE BETWEEN THE W4-12E OR W4-13E SIGNS SHALL NOT EXCEED 305m. USE W9-2Y ON FIRST SIGN TO NEAREST 805m WHEN THE AREA BEING PROTECTED EXCEEDS 805m IN LENGTH. ONLY THE LEFT OR RIGHT SHOULDER MAY BE WORKED ON AT ONE TIME. DRUMS AND CONES SHALL BE PLACED AND MAINTAINED SO THAT AT LEAST TWO THIRDS OF THEIR HEIGHT IS EXPOSED ABOVE THE PAVEMENT. IF THE DEPTH OF EXCAVATION EXCEEDS 457mm, THE ADJACENT LANE MUST REMAIN CLOSED, OR TEMPORARY CONCRETE BARRIER MUST BE USED TO PROTECT THE CONDITION. TYPICAL PLAN FOR RIGHT SHOULDER SHOWN. LEFT SHOULDER PROTECTION IS SAME DETAIL. EXCAVATED SHOULDER TO BE RAMPED DOWN (SECTION A-A) DURING NON-WORK HOURS.

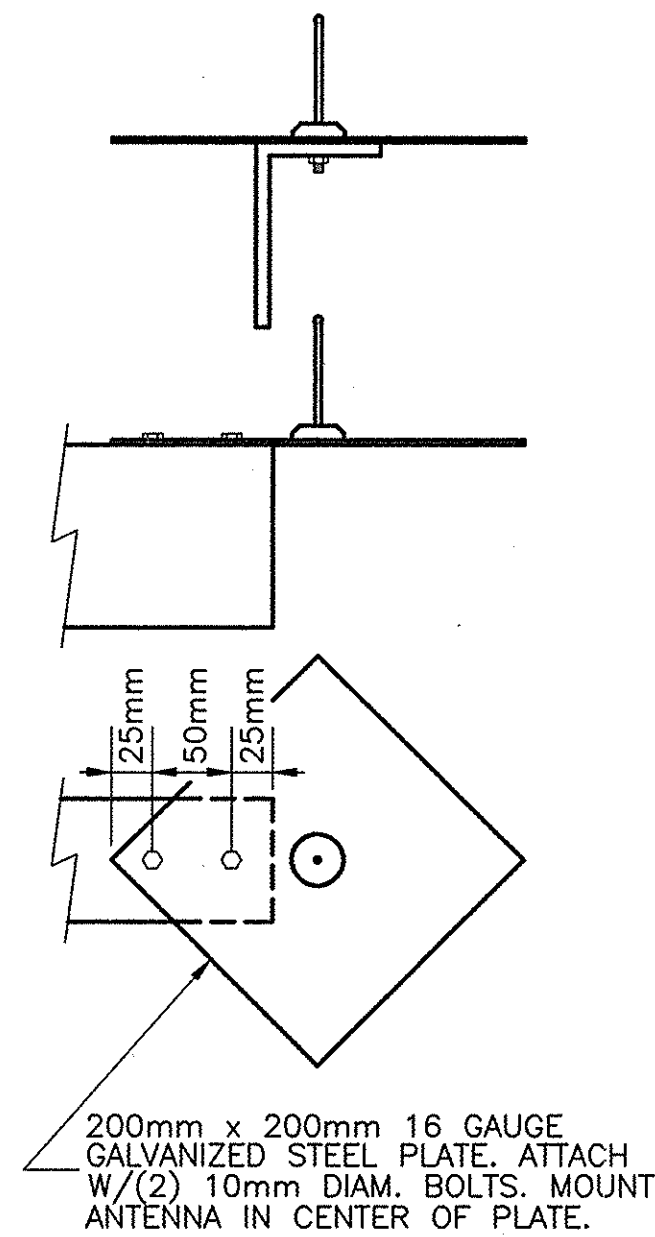
LEGEND

- ▲ TRAFFIC CONE
- DRUM
- ★ FLASHING LIGHT, LOW INTENSITY, FOR NIGHT USE OR A.O.B.E.
- ⊥ SIGN (ALL "W" SERIES SIGNS TO BE BLACK ON FLUORESCENT ORANGE)
- REMOVAL OF EXISTING PAVEMENT MARKINGS DURING CONSTRUCTION
- TEMPORARY PAVEMENT MARKING FOR CONSTRUCTION (SEE NOTE A)

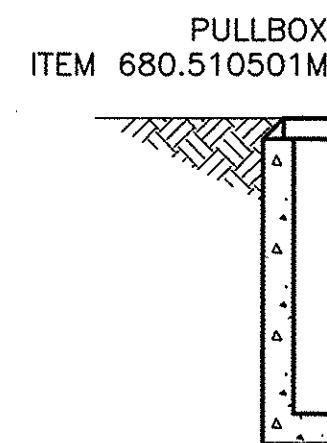
NOTE: ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE NOTED. ALL ELEVATIONS ARE SHOWN IN METERS.

NO AS-BUILT REVISIONS			
DATE	DESCRIPTION	BY	SYM.
REVISIONS			
NEW YORK STATE THRUWAY AUTHORITY DEPARTMENT OF ENGINEERING SERVICES 200 SOUTHERN BLVD., ALBANY, N.Y. 12209			
TITLE OF PROJECT UPGRADING OF TRAFFIC MONITORING STATIONS			
LOCATION OF PROJECT VARIOUS LOCATIONS IN ALBANY DIVISION			
TITLE OF DRAWING THRUWAY TRAFFIC PLANS FOR MISCELLANEOUS OPERATIONS			
		CONTRACT NUMBER: TAA 02-711	
		DATE: 2002	
		DRAWING NUMBER: TC-2	

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



DETAIL 1
N.T.S.



(2) - 1/2 NPS FLEXIBLE LIQUID TIGHT NONMETALLIC CONDUITS W/ (2) #12 AWG WIRES

APPROX. EXISTING GRADE

3 NPS CONDUIT ITEM 680.520708M

LIMITS OF 3 NPS PLASTIC CONDUIT ITEM 680.520708M

3 NPS STEEL CONDUIT, ZINC COATED FACTORY BEND MIN. RADIUS 405 mm

LIMITS OF 3 NPS STEEL CONDUIT

THIS SHEET DOES NOT
SUPERSEDE ANY SHEET

DUAL SOLAR PANELS (SOLAR SYSTEM B)

DUAL SOLAR PANELS (SOLAR SYSTEM A)

1.52 m TYP.

4.25m

2.43m

BATTERY BOX

TMS CABINET (1.219m TALL x 914mm WIDE x 406mm DEEP) ITEM 25680.803201M

WORK PAD ITEM 25608.010101M

3 NPS GALV. STEEL CONDUIT (TYP.) TOTAL LENGTH = 3.05 m.

CELLULAR ANTENNA SEE DETAIL 1
LADDER SUPPORT / ANTENNA MOUNTING ANGLE

TYPE B SIGN POST GALV. W150x14, BI-DIR. BASE ITEM 645.830202M

GALV. STRUT CHANNEL (TYP.)

(2) - 1/2 NPS FLEXIBLE LIQUID-TIGHT NON-METALLIC CONDUITS RUNNING THROUGH CENTER OF MOUNTING PIPE TO SOLAR PANEL W/ (2) #12 AWG WIRES

1/2 NPS FLEXIBLE LIQUID-TIGHT NON-METALLIC CONDUIT RUNNING THROUGH CENTER OF MOUNTING PIPE TO SOLAR PANEL W/ (2) #12 AWG WIRES

BLOCKING DIODE REQ'D.

CELLULAR ANTENNA, SEE DETAIL 1

LADDER SUPPORT / ANTENNA MOUNTING ANGLE, L 76 x 50 x 10, GALVANIZED STEEL, ATTACH WITH TWO 10mm BOLTS AS SHOWN.

SOLAR PANEL MOUNTED TO 3 NPS GALVANIZED STEEL CONDUIT. TOTAL LENGTH = 3.05 m.

BLOCKING DIODE REQ'D.

4.25m

2.43m

100mm MAX 750

1.63m

NEW CABINET

APPROX. EXISTING GRADE

ELECTRICAL CONDUIT ITEM 680.520105M

SPARE CONDUITS ITEM 680.520105M

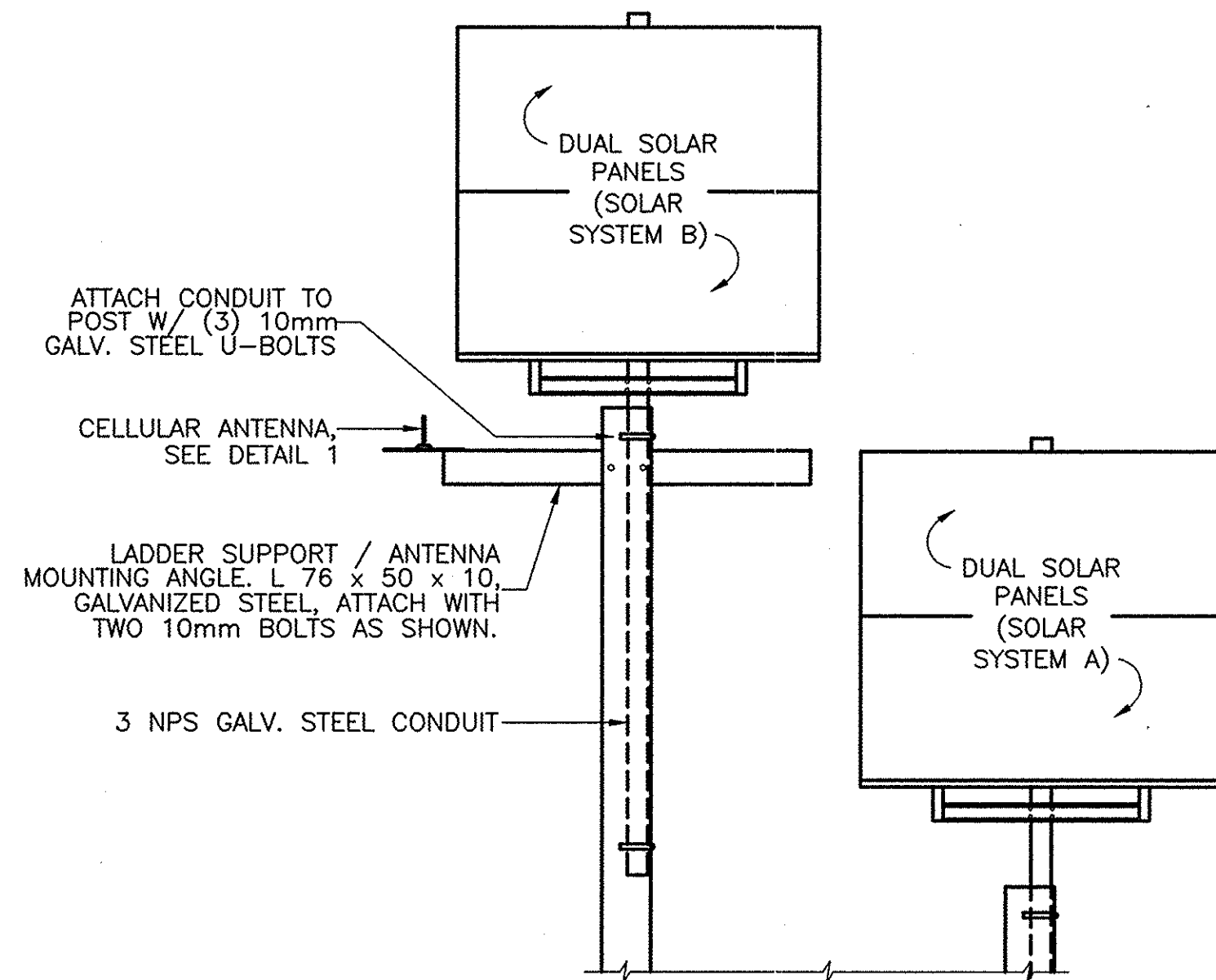
1.524m ON CENTER

FRONT ELEVATION
N. T. S.

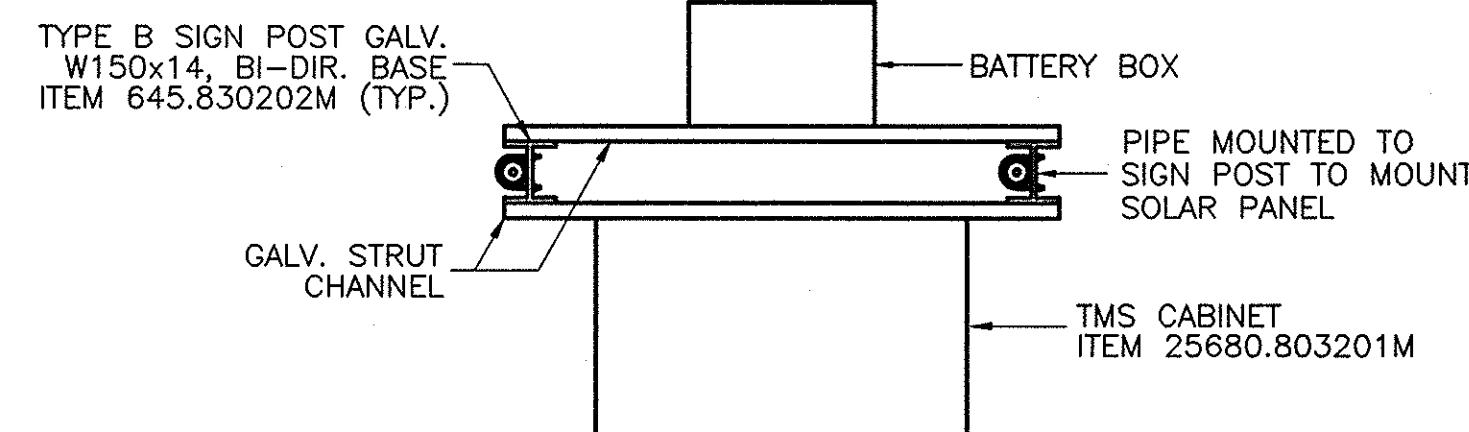
NOTES:

- ALL OF THE ABOVE WORK, UNLESS OTHERWISE NOTED, TO BE PAID FOR UNDER ITEM 900.XXXXXM.
- HARDWARE TO ATTACH STRUT CHANNEL TO POSTS AND CABINETS TO STRUT CHANNEL SHALL BE 10mm DIA., GALVANIZED.
- CABINET SIZE SHALL BE 1.219m TALL x 914mm WIDE x 406mm DEEP.
- SOLAR PANEL SHALL BE ORIENTED DUE SOUTH UNLESS OTHERWISE NOTED.

SIDE ELEVATION
PROTOTYPE SITE M.P. 145.1 N.B.
ITEM 900.XXXXXM
N. T. S.



A-A
N.T.S.



B-B
N.T.S.

NOTE:
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"No AS-BUILT Revisions"

DATE	DESCRIPTION	BY	SYM.

REVISIONS

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

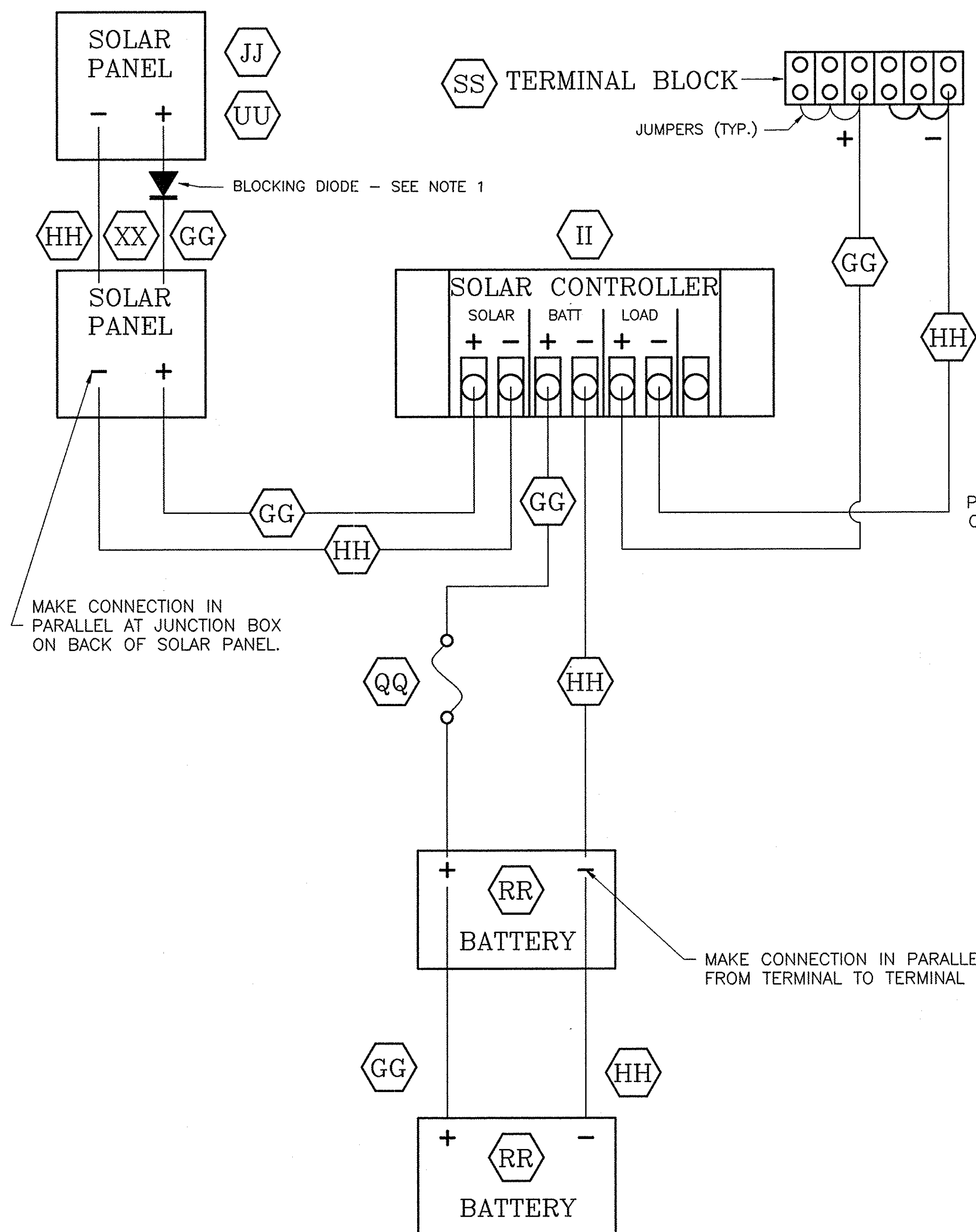
TITLE OF PROJECT
UPGRADING OF TRAFFIC MONITORING STATIONS

LOCATION OF PROJECT
VARIOUS LOCATIONS IN ALBANY DIVISION

TITLE OF DRAWING
SOLAR DETAILS

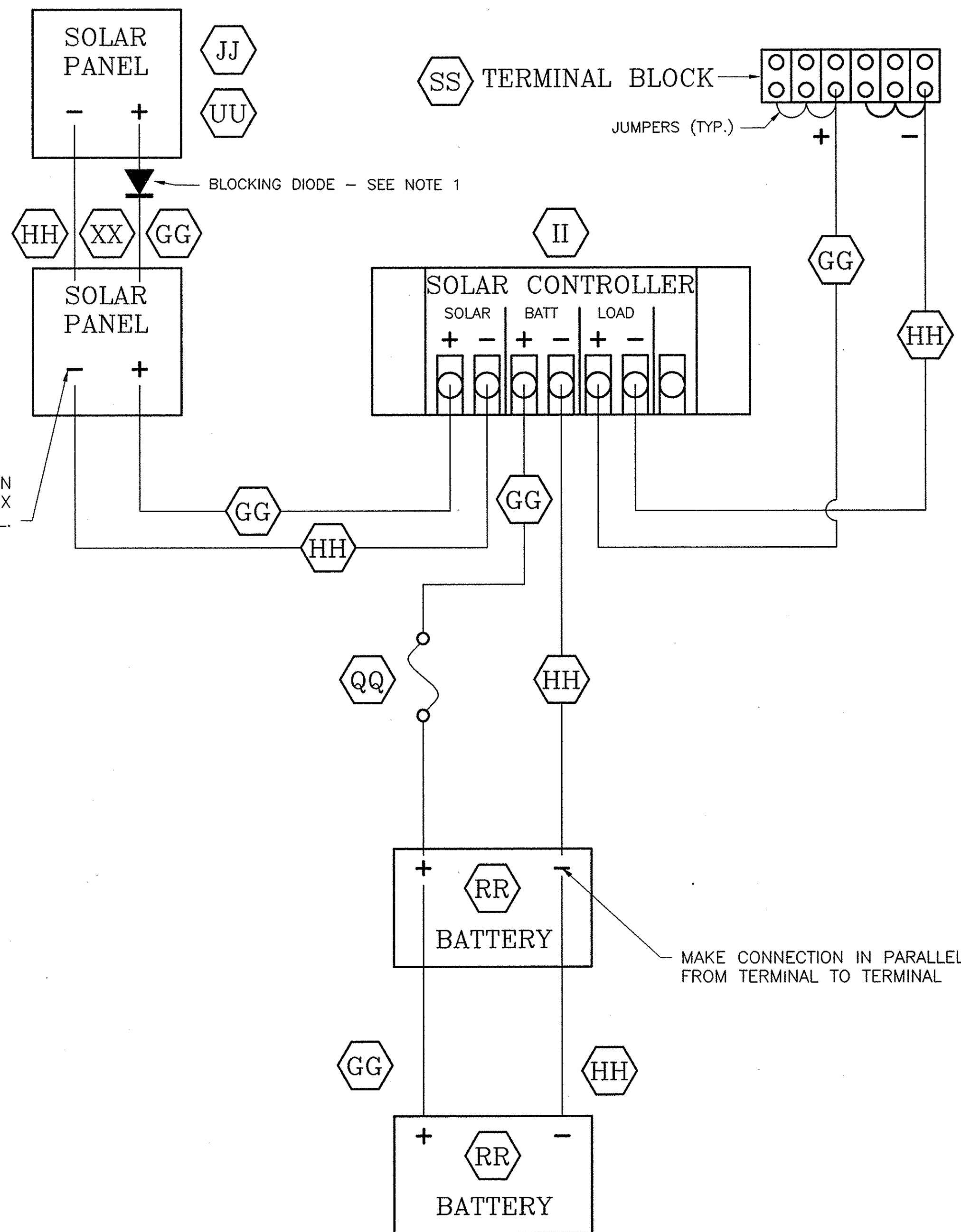


CONTRACT NUMBER:
TAA 02-711
DATE:
8/03
DRAWING NUMBER:
P-1

**THIS SHEET DOES NOT
SUPERSEDE ANY SHEET****WIRING DIAGRAM, SOLAR SYSTEM A**

N.T.S.

REF#	DESCRIPTION	ITEM
EE	MODEM POWER SUPPLY LEAD	900.XXXXXYM
GG	#12 AWG THHN WIRE (RED)	900.XXXXXYM
HH	#12 AWG THHN WIRE (BLACK)	900.XXXXXYM
II	SOLAR CONTROLLER	900.XXXXXYM
JJ	SOLAR PANEL W/ MOUNTING HARDWARE	900.XXXXXYM
QQ	20 AMP FUSE HOLDER	900.XXXXXYM
RR	12V SEALED LEAD-ACID BATTERY	900.XXXXXYM
SS	TERMINAL STRIP 6 PAIR MIN.	900.XXXXXYM
UU	SIDE OF POLE MOUNTED SOLAR PANEL RACK	900.XXXXXYM
XX	1/2" NPS FLEXIBLE, LIQUID-TIGHT NON-METALLIC CONDUIT	900.XXXXXYM

**WIRING DIAGRAM, SOLAR SYSTEM B**

N.T.S.

NOTES

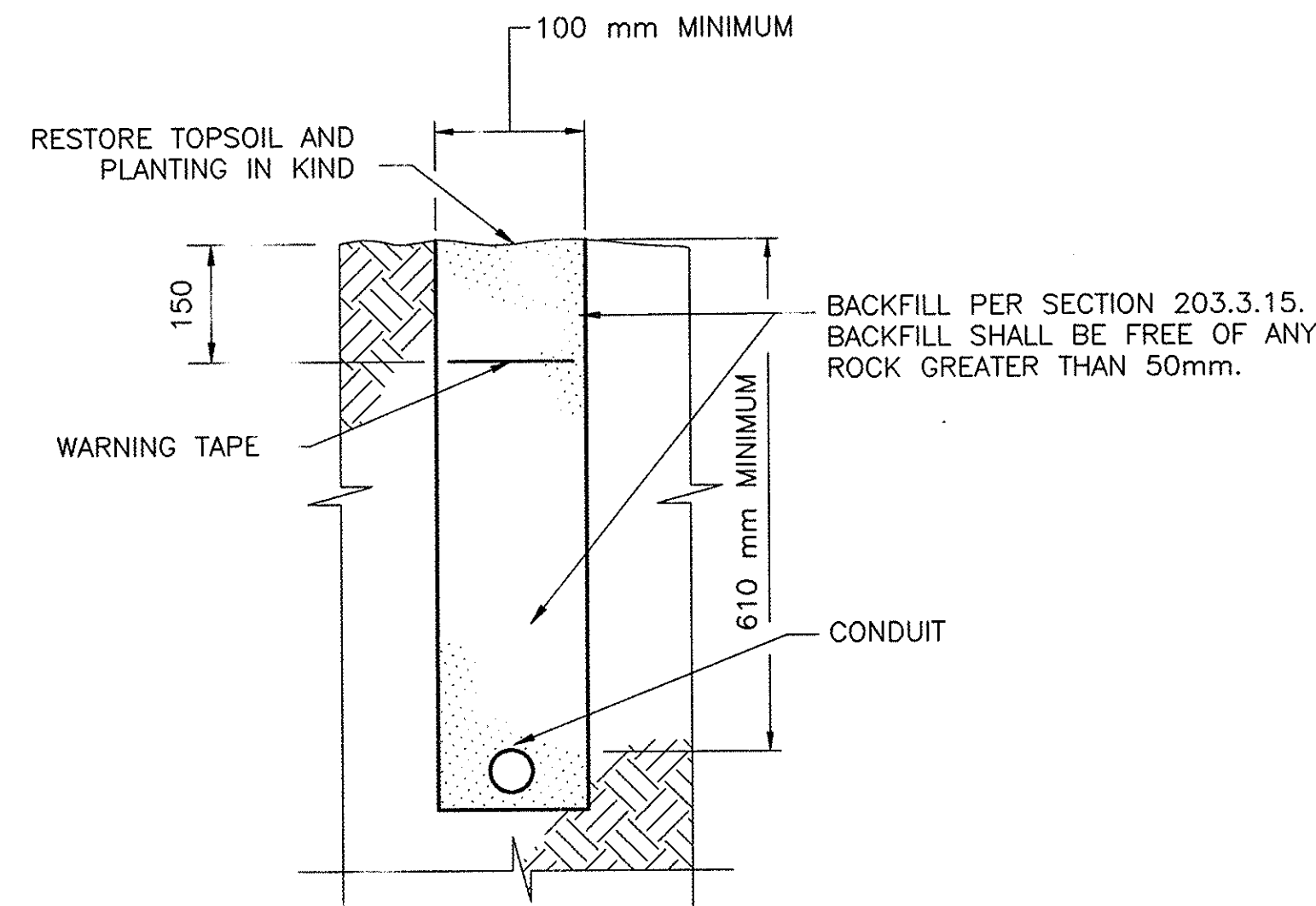
1. INSTALL A BLOCKING DIODE (MIN. 8 AMPS) IN PANEL MOUNTED JUNCTION BOX OF UPSTREAM PANEL AS PER MANUFACTURER'S DIRECTIONS.

"No As-Built Revisions"

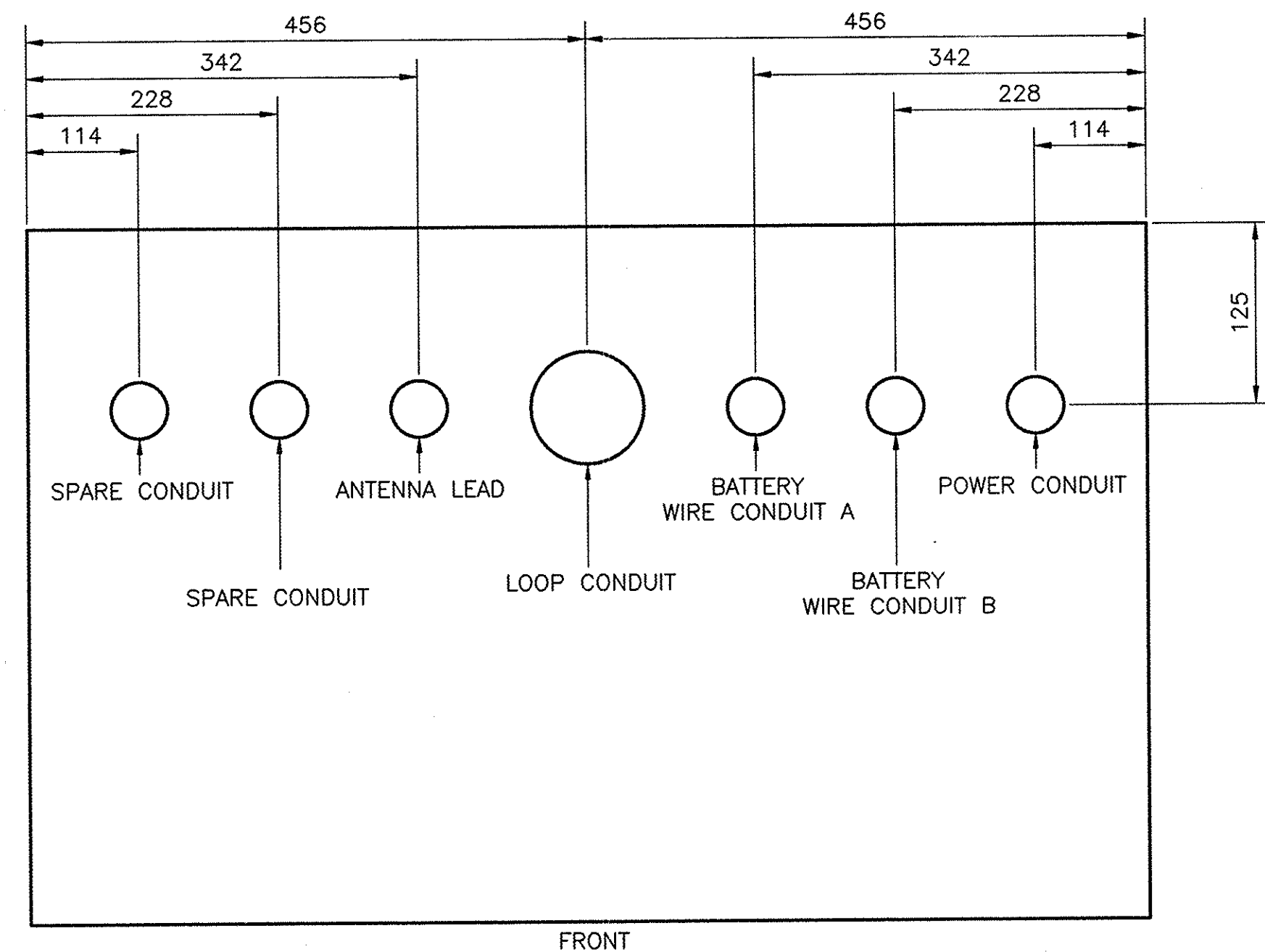
DATE	DESCRIPTION	BY	SYM.

REVISIONS**NEW YORK STATE THRUWAY AUTHORITY**
DEPARTMENT OF ENGINEERING AND MAINTENANCE
200 SOUTHERN BLVD., ALBANY, N.Y. 12209TITLE OF PROJECT
**UPGRADING OF TRAFFIC
MONITORING STATIONS**LOCATION OF PROJECT
**VARIOUS LOCATIONS
IN ALBANY DIVISION**TITLE OF DRAWING
**TYPICAL SITE WIRING
PROTOTYPE MP 145.1 NB**CONTRACT NUMBER:
TAA 02-711
DATE:
8/03
DRAWING NUMBER:
P-2

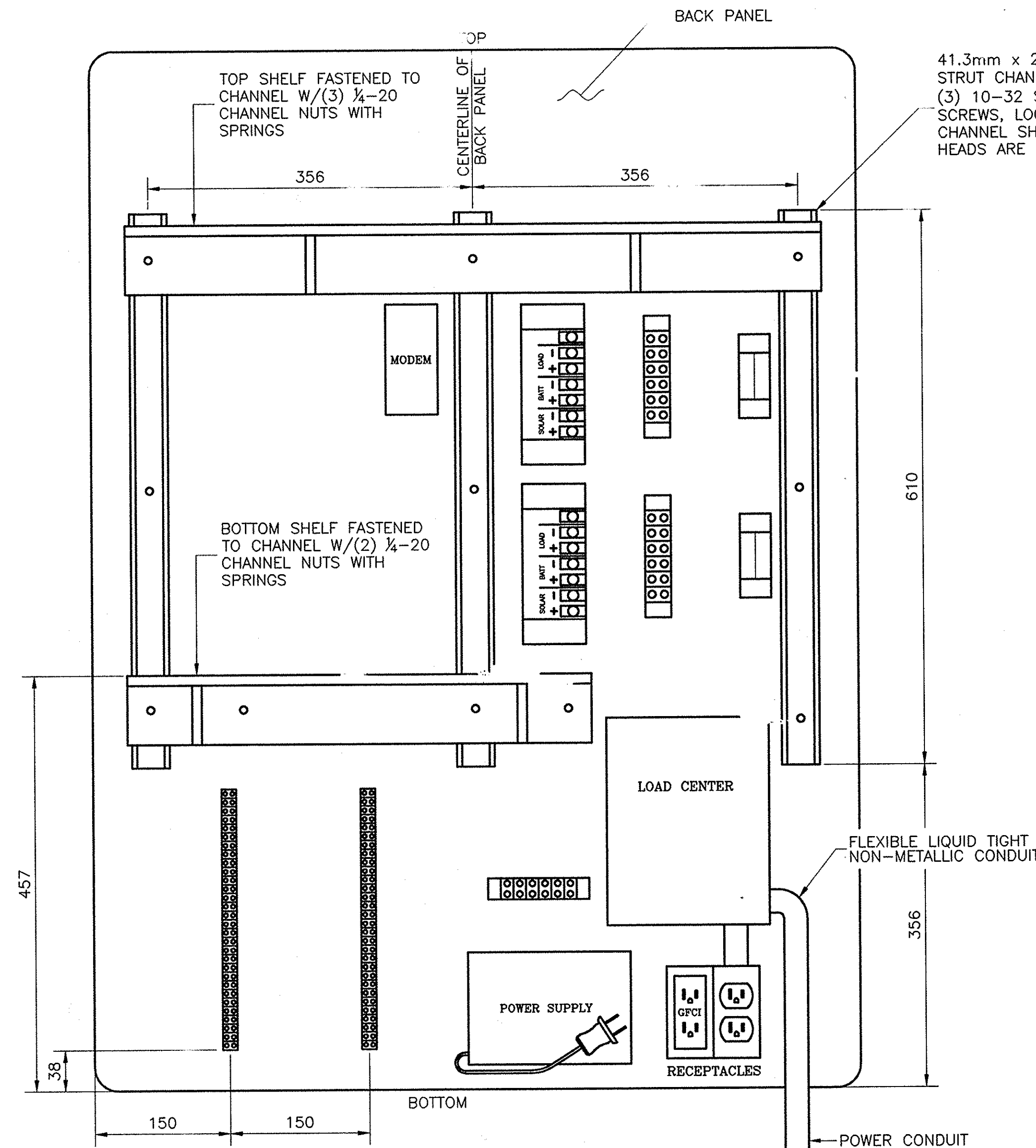
IN CHARGE OF: DESIGNED BY: DRAFTED BY: CHECKED BY: G:\2002\0271\Tde2 P-4.DWG



ITEM 206.03M
TYPICAL CONDUIT
EXCAVATION AND BACKFILL DETAIL
NOT TO SCALE

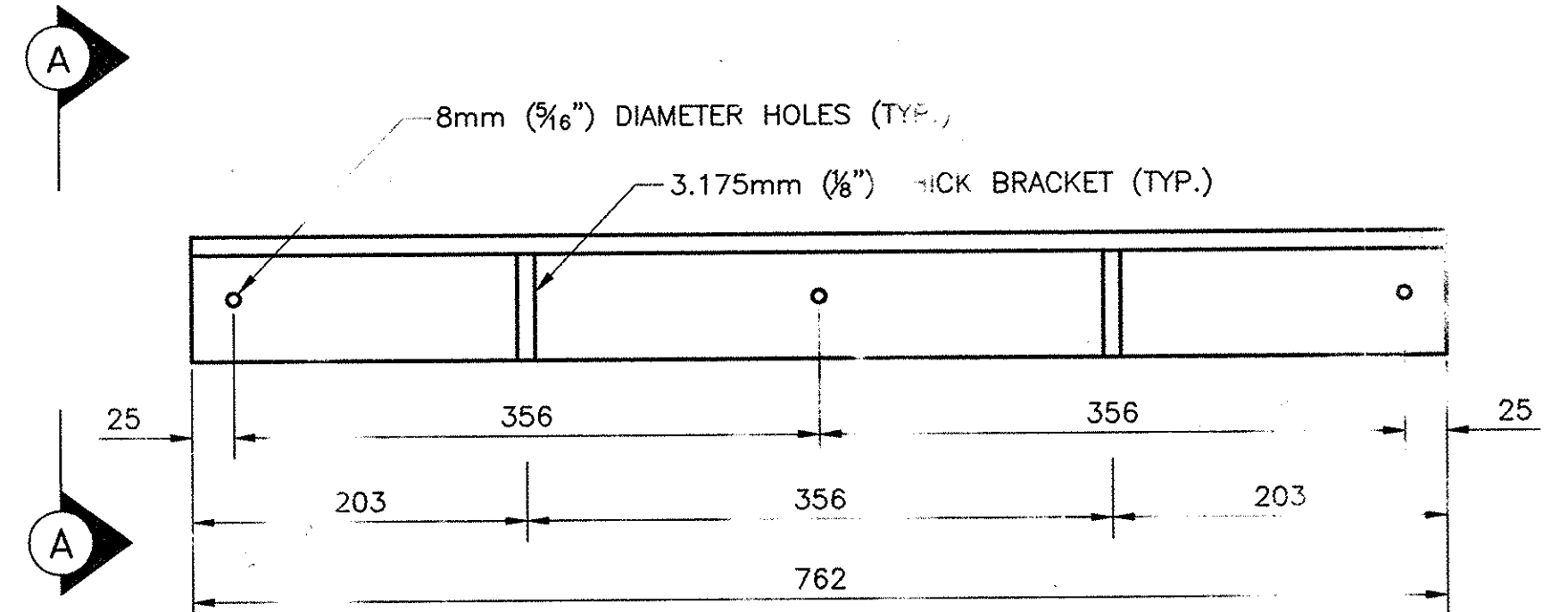


CONDUIT ENTRANCE PLAN
(BOTTOM OF CABINET SHOWN)
NOT TO SCALE

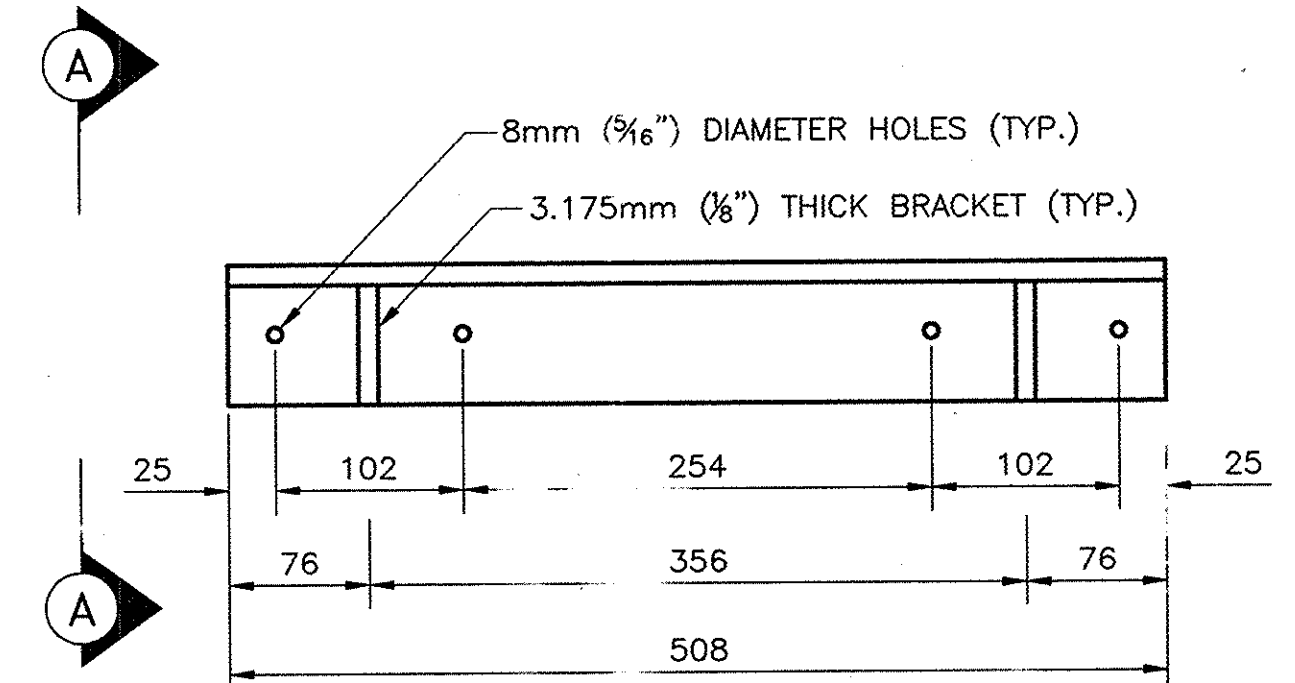


BACK PANEL FRONT ELEVATION
PROTOTYPE M.P.145.1 NB
NOT TO SCALE

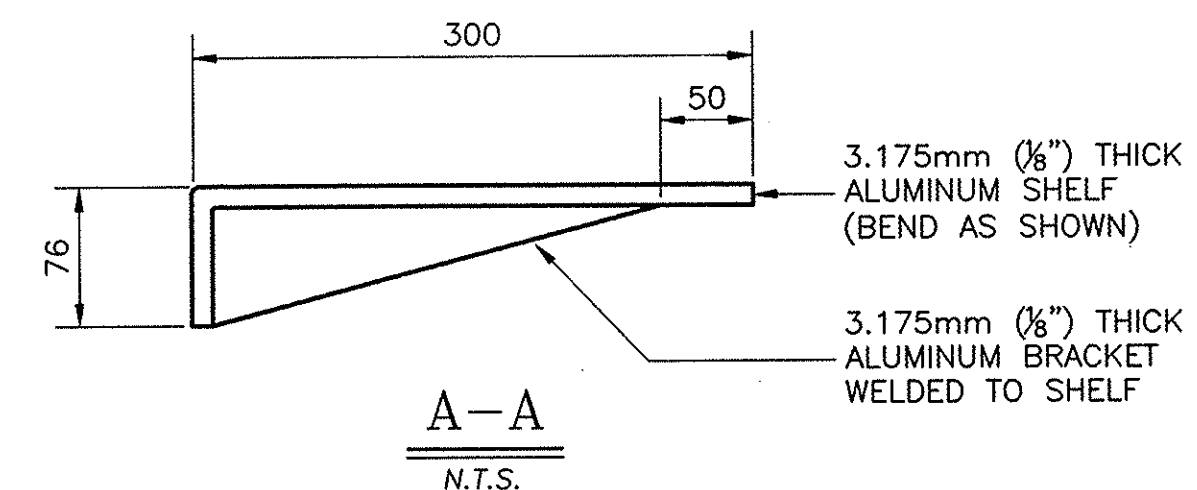
NOTE:
ALL OF THE ABOVE WORK, UNLESS OTHERWISE
NOTED, TO BE PAID FOR UNDER
ITEM 900.XXXXYM



TOP SHELF FRONT ELEVATION
N.T.S.



BOTTOM SHELF FRONT ELEVATION
N.T.S.



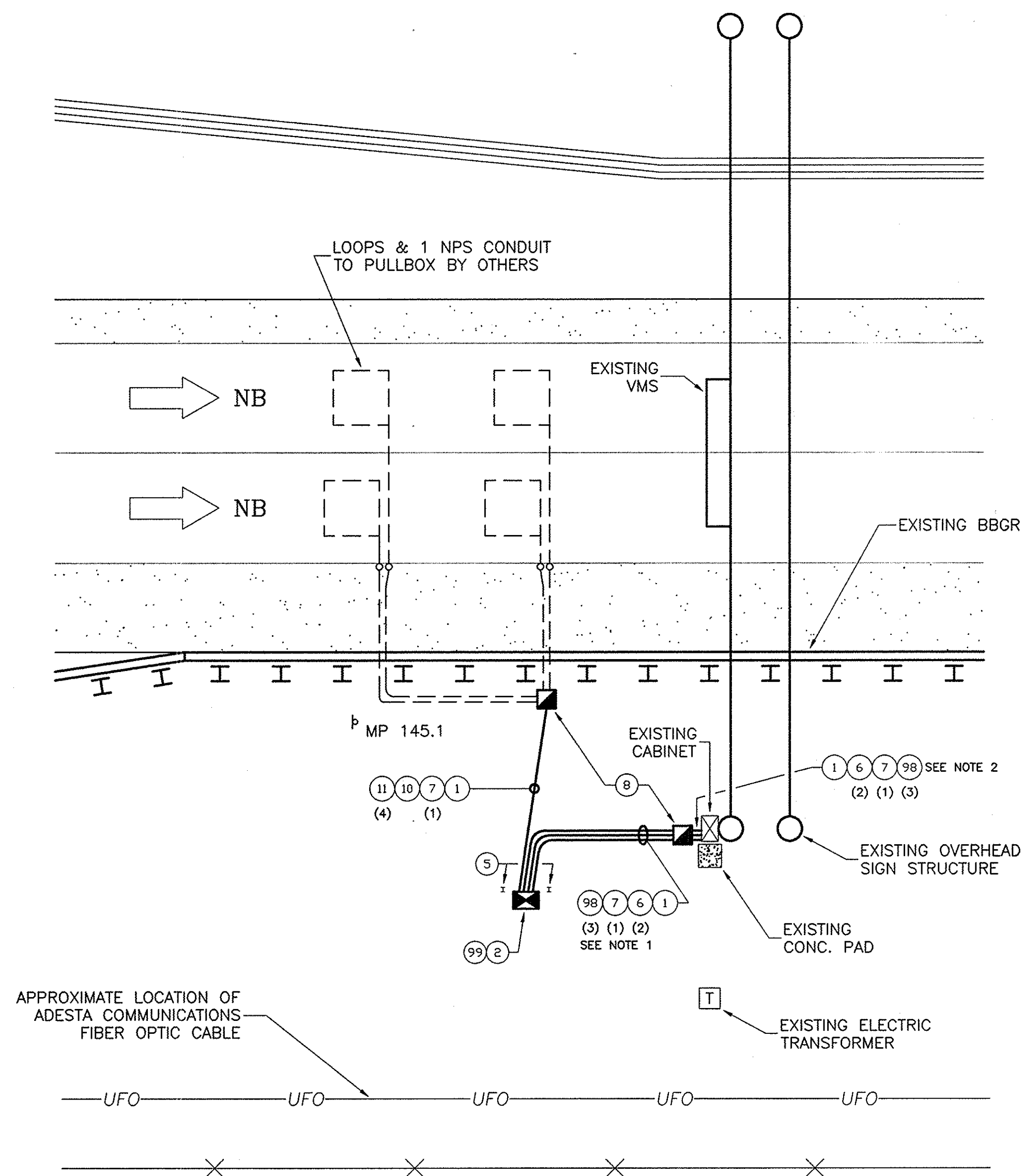
CABINET SHELF DETAILS
N.T.S.

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

THIS SHEET DOES NOT
SUPERSEDE ANY SHEET

48F1
44

"No As-Built Revisions"			
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 UPGRADING OF TRAFFIC MONITORING STATIONS			
LOCATION OF PROJECT VARIOUS LOCATIONS IN ALBANY DIVISION			
TITLE OF DRAWING CABINET LAYOUT PROTOTYPE MP 145.1 NB			
CONTRACT NUMBER: TAA 02-711		DATE: 8/03	
DRAWING NUMBER: P-4			

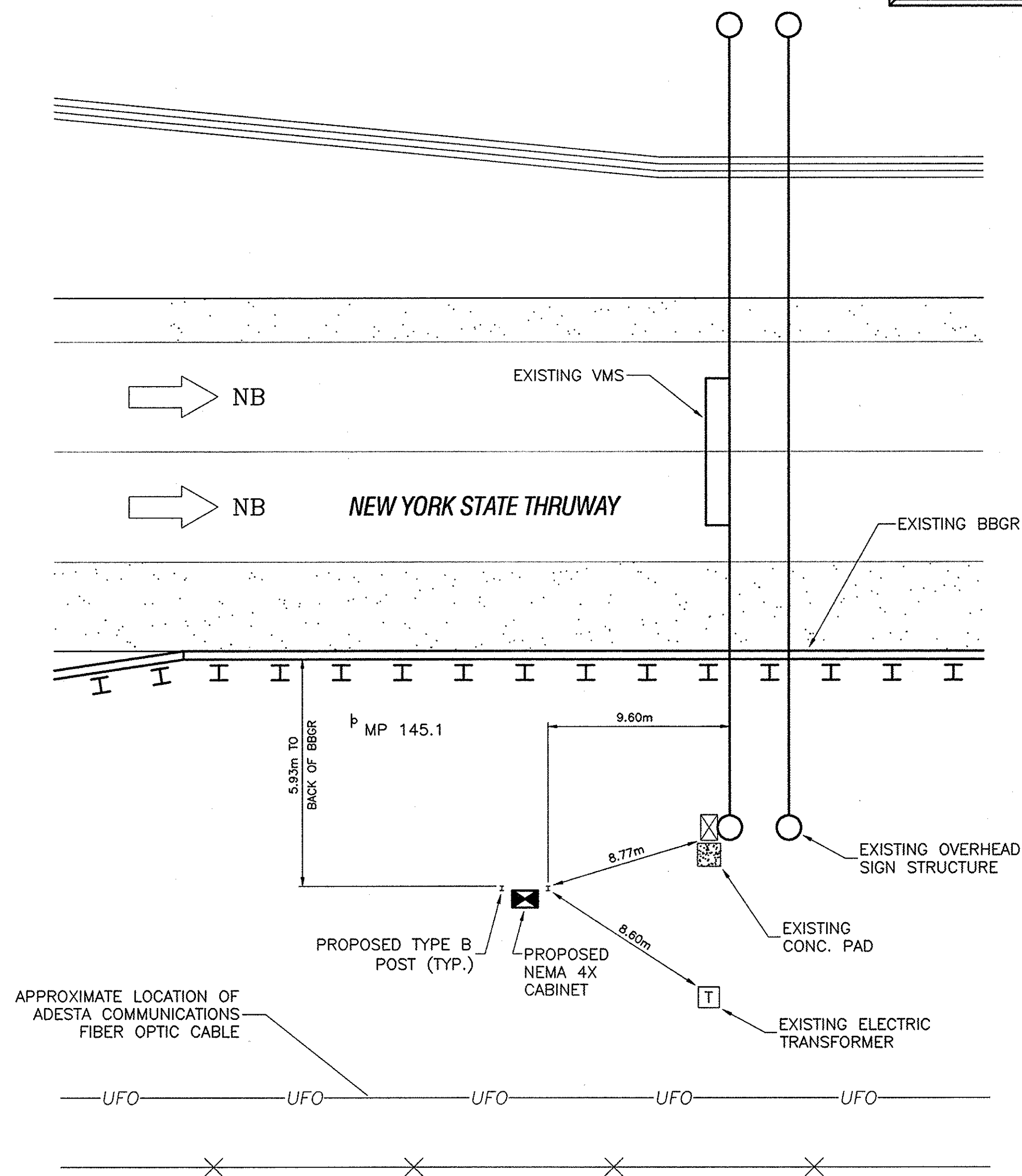
THIS SHEET DOES NOT
SUPERSEDE ANY SHEETPROTOTYPE SITE MP 145.1 NB
(BY O.O.C.)

N.T.S.

REF#	ITEM	DESCRIPTION	UNIT	QUANTITY
1	206.03M	CONDUIT EXCAVATION & BACKFILL	M	15.0
2	25608.010101M	WORK PAD	EA.	6.0
5	645.830202M	TYPE B, SIGN POST, GALV. W150x14, BI-DIR. BASE	EA.	2.0
6	670.7007M	SINGLE CONDUCTOR NO. 12 AWG	M	14.0
7	670.7501M	GROUND WIRE #6 AWG	M	7.0
8	680.510501M	PULLBOX, RECTANGULAR 650mm X 450mm, REINFORCED CONCRETE	EA.	2.0
9	680.520705M	CONDUIT, RIGID PLASTIC, 1 1/2 NPS	M	24.0
10	680.520708M	CONDUIT, RIGID PLASTIC, 3 NPS	M	6.0
11	680.71M	SHIELDED LEAD-IN CABLE	M	36.0
98	680.520105M	CONDUIT, STEEL ZINC COATED, 1 1/2 NPS	M	15.0
99	900.XXXXYM	TMS PROTOTYPE SITE MP 145.1 NB	EA.	1.0

NOTES:

- (3) 1 1/2 NPS PVC CONDUITS, ITEM 680.520705M, SHALL BE INSTALLED BETWEEN CABINET AND PULLBOX ADJACENT TO VMS TOWERS. INSTALL (2) #12 AWG CONDUCTORS AND (1) #6 AWG GROUND WIRE IN ONE CONDUIT. OTHER TWO CONDUITS SHALL REMAIN EMPTY EXCEPT FOR PULL WIRE.
- (2) 1 1/2 NPS GALVANIZED STEEL CONDUITS, ITEM 680.520105M, SHALL BE INSTALLED BETWEEN PULLBOX AND EXISTING VMS CONTROLLER CABINET. INSTALL ELECTRICAL WIRES AS NOTED IN NOTE #1. LEAVE OTHER CONDUIT FOR FUTURE COMMUNICATIONS. INSTALL (1) 1 1/2 NPS GALVANIZED STEEL CONDUIT FROM PULLBOX W/ SWEEP TO JUST ABOVE GRADE LEVEL AT BASE OF VMS TOWER PEDESTAL. CAP OPEN END OF CONDUIT A.O.B.E. COST OF CAPPING TO BE INCLUDED IN COST OF CONDUIT.

CABINET TIES - PROTOTYPE SITE MP 145.1 NB
(BY O.O.C.)

N.T.S.

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

"NO AS-BUILT REASONS"

DATE	DESCRIPTION	BY	SYM.

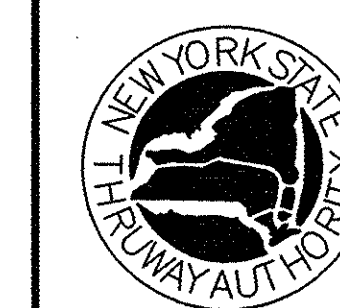
REVISIONS

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

TITLE OF PROJECT
INSTALLATION OF VMS
AND CCTV CAMERAS

LOCATION OF PROJECT
VARIOUS LOCATIONS IN
ALBANY DIVISION

TITLE OF DRAWING
PROPOSED PLAN
PROTOTYPE SITE
MP 145.13NB



CONTRACT NUMBER:

TAA 02-711

DATE:

8/03

DRAWING NUMBER:

P-5