

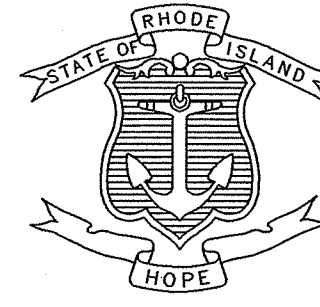
FED. ROAD DIV. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	RI	BRO-TOLL(002)	2018	1	9

INDEX

PHASE 2

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	STANDARD PLAN SYMBOLS & STANDARD LEGEND
3-4	STANDARD NOTES - 1 & 2
5	JOB SPECIFIC PLAN SYMBOLS, LEGEND AND NOTES
6	GENERAL PLAN - TOLLZONE 3
7-8	GANTRY CROSS SECTION - TOLLZONE 3
9	DETAILS

STATE OF RHODE ISLAND



DEPARTMENT OF TRANSPORTATION

PLAN, PROFILE AND SECTIONS OF PROPOSED

STATE HIGHWAY

RHODEWORKS TOLL FACILITIES:

DESIGN, BUILD, OPERATE

AND MAINTAIN

TOLLZONE NO. 3

CITY OF WARWICK

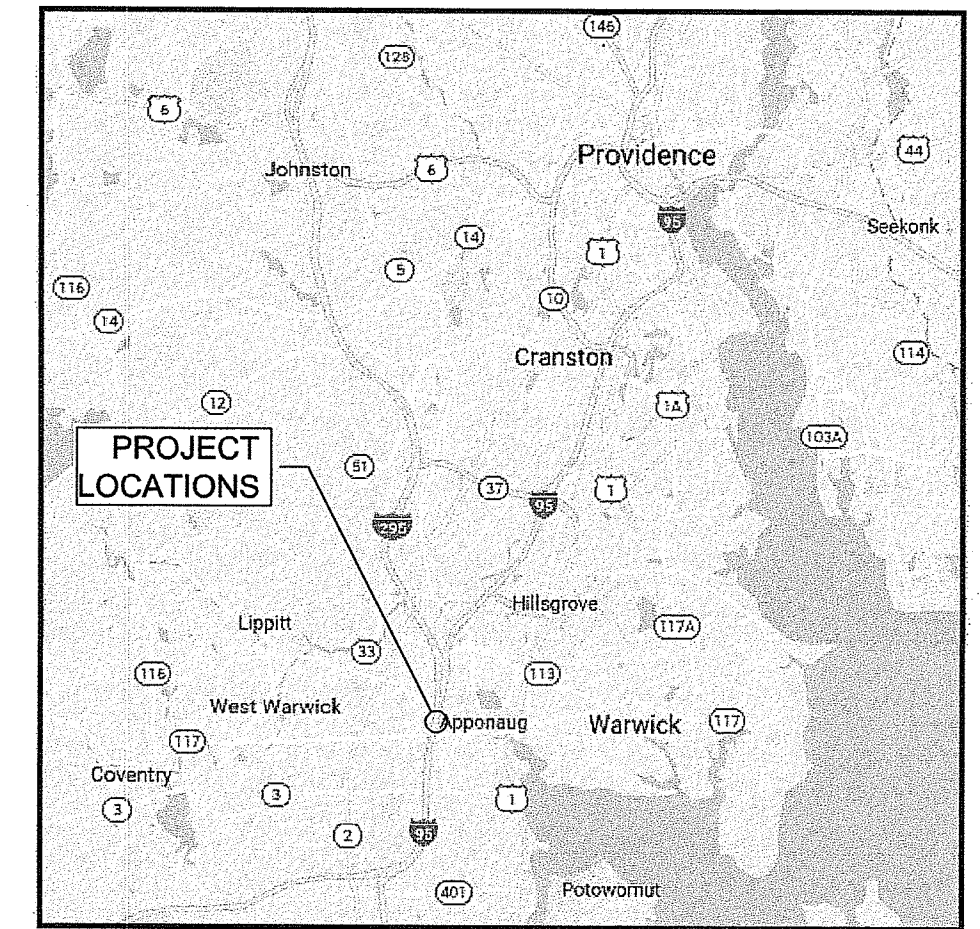
COUNTY OF KENT

R.I. CONTRACT NO. 2017-OT-002 F.A. PROJECT NO. BRO-TOLL(002)

PROJECT LENGTH = 0.2 MILES

R.I. STANDARD SPECIFICATIONS AND STANDARD DETAILS

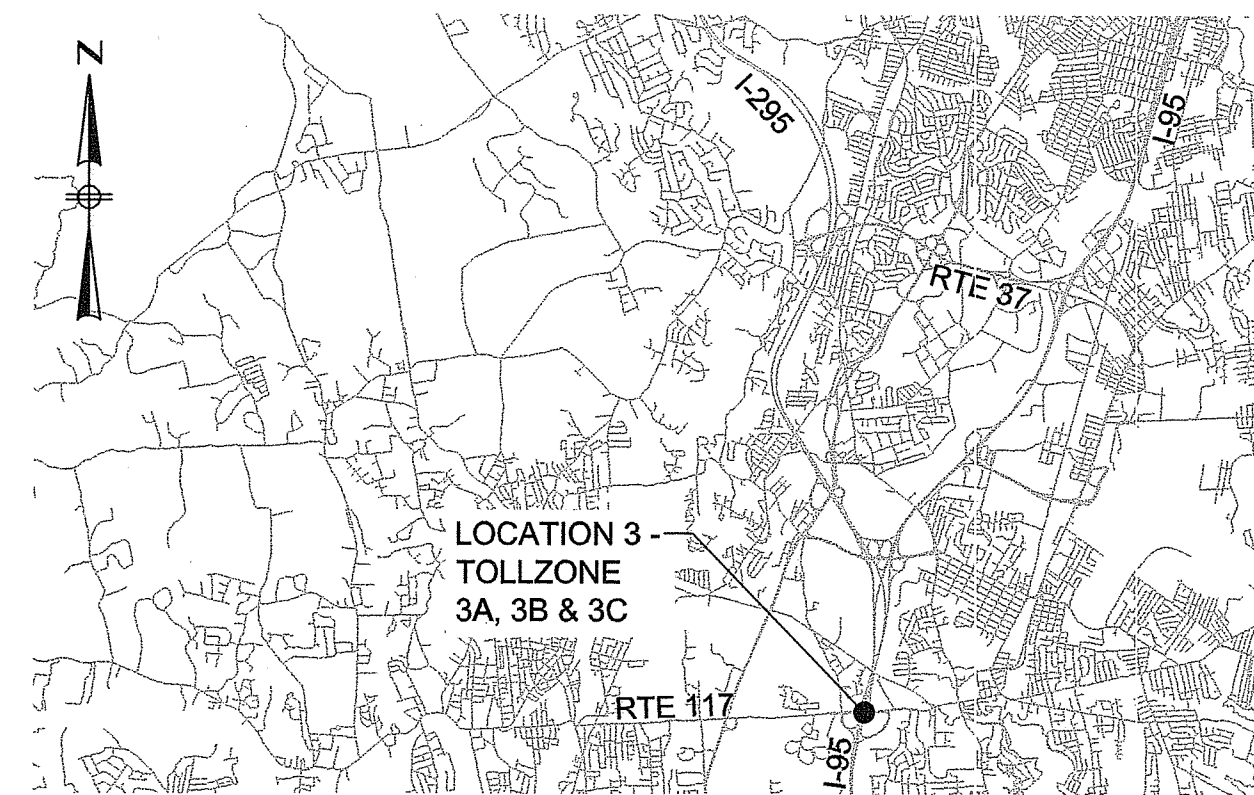
SPECIFICATIONS TO GOVERN THIS PROJECT ARE THE R.I. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AMENDED AUGUST 2013, WITH ALL REVISIONS AND THE STATE AND FEDERAL SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS. STANDARD DETAILS FOR THIS PROJECT ARE R.I. STANDARD DETAILS, 1998 EDITION, WITH ALL REVISIONS.



LOCATION MAP
NTS

HURRICANE EVACUATION ROUTE

This project includes work on a designated Hurricane Evacuation and Diversionary Route as follows:
 - I-95 NB and SB
 - I-295 NB and SB
 - Route 117 EB and WB



LAYOUT PLAN
1"=8,000'

SCALES OF DRAWINGS

Plans	1 inch = 40 feet
Cross Section	1 inch = 5 feet Horizontal
Cross Section	1 inch = 5 feet Vertical

BASE OF LEVELS

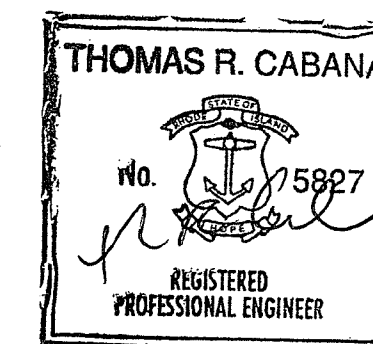
HORIZONTAL DATUM: NAD 1983 R.I. STATE PLANE COORDINATES
 VERTICAL DATUM: NAVD 1988

RIDEM - REQUEST FOR PRELIMINARY DETERMINATION

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS
 AS SPECIFIED IN THE LETTER OF APPROVAL

DATED SEP 26 2019 FILE # 19-0236
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

R.I. DEPARTMENT OF TRANSPORTATION



Contract Number 2017-OT-002

Number of Sheet 1

Total Sheets 9

Administrator of Project Management DATE
 APPROVED

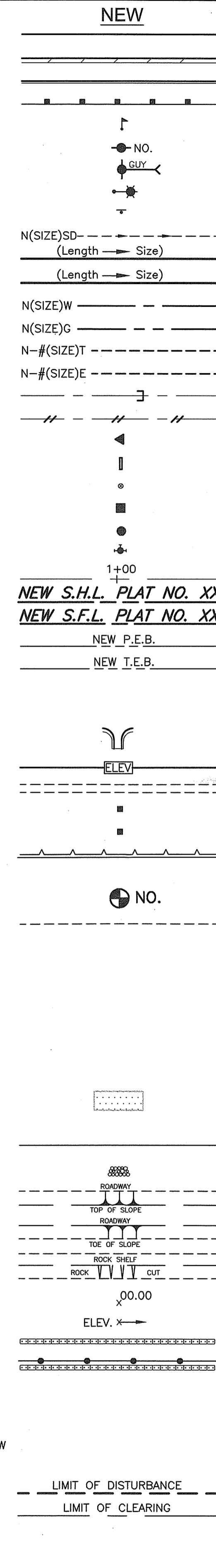
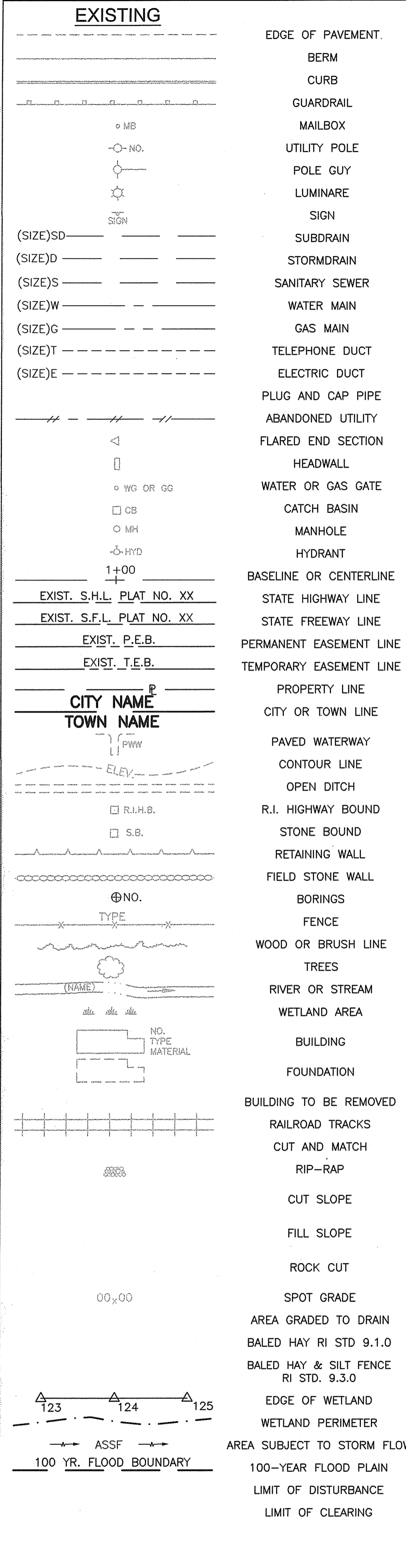
Chief Engineer of Infrastructure DATE
 APPROVED

Director DATE

DEPARTMENT OF TRANSPORTATION
 FEDERAL HIGHWAY ADMINISTRATION
 APPROVED

DIVISION ADMINISTRATOR DATE

FED. ROAD DIV. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	RI	2017-OT-002	2017	2	9



1.1.0	UNDERDRAIN	7.4.2	GRANITE TRANSITION CURB (VERTICAL FACE TO SLOPE FACE)	AB	ADJUST CATCH BASIN TO GRADE
1.3.0	CONCRETE CONNECTING COLLAR	7.5.0	BITUMINOUS CONCRETE LIP CURB	ABM	ADJUST CATCH BASIN TO MANHOLE
2.1.0	CONCRETE HEADWALLS FOR PIPE CULVERTS	7.5.1A	BITUMINOUS BERM (CONSTRUCTION METHOD A)	AC	ADJUST CURB STOP TO GRADE
2.2.0	STANDARD HEADWALLS FOR MULTIPLE 3'-6" TO 7'-0" PIPE CULVERTS	7.5.1B	BITUMINOUS BERM (CONSTRUCTION METHOD B)	AD	ADJUST DRAINAGE MANHOLE TO GRADE
2.3.0 (DIA.)	PRECAST CONCRETE FLARED END SECTION	7.6.0	CURB SETTING DETAIL	AE	ADJUST ELECTRIC MANHOLE TO GRADE
3.2.0	BRICK/SOLID BLOCK 4'-0" ROUND MANHOLE	8.2.0	BITUMINOUS CONCRETE DITCH	AFC	ADJUST FRAME AND COVER TO GRADE
3.2.1 (DIA.)	BRICK/SOLID BLOCK 5'-0" OR 6'-0" ROUND MANHOLE	8.3.0	RIP-RAP DITCH	AFG	ADJUST FRAME AND GRATE TO GRADE
3.3.0	BRICK/SOLID BLOCK TYPE "D" SQUARE CATCH BASIN	8.4.0	PAVED WATERWAY	AG	ADJUST GAS GATE BOX TO GRADE
3.3.2	BRICK/SOLID BLOCK TYPE "F" SQUARE CATCH BASIN	9.1.0	BALED HAY EROSION CHECK	AHH	ADJUST HANDHOLE TO GRADE
3.3.3	SOLID BLOCK FLUSH SQUARE CATCH BASIN	9.2.0	SILT FENCE DETAIL	AS	ADJUST SANITARY SEWER MANHOLE TO GRADE
3.4.0	BRICK/SOLID BLOCK TYPE "D" ROUND CATCH BASIN	9.3.0	BALED HAY DITCH EROSION CHECK AND SILT FENCE COMBINED	AT	ADJUST TELEPHONE MANHOLE TO GRADE
3.4.1	BRICK/SOLID BLOCK ROUND CATCH BASIN WITH GUTTER INLET	9.4.0	BALED HAY DITCH AND SWALE EROSION CHECK	AW	ADJUST WATER GATE BOX TO GRADE
3.4.2	BRICK/SOLID BLOCK TYPE "F" ROUND CATCH BASIN	9.5.0	LOG AND HAY CHECK DAM	BCD	BITUMINOUS CONCRETE DRIVEWAY
3.4.3	BRICK/SOLID BLOCK TYPE "R" CATCH BASIN	9.7.0	DEWATERING BASIN	BPS	3" BITUMINOUS CONCRETE TYPE 1-2
3.4.4	SOLID BLOCK FLUSH ROUND CATCH BASIN	9.8.0	BALED HAY CATCH BASIN INLET PROTECTION	CCB	8" GRAVEL BORROW SUBBASE COURSE
3.4.5 (DIA.)	BRICK/SOLID BLOCK 5'-0" OR 6'-0" ROUND CATCH BASIN	9.9.0	CONSTRUCTION ACCESS	CCP	BUILD NEW STRUCTURE OVER EXISTING PIPE
3.5.0	SOLID BLOCK SHALLOW TYPE "F" SQUARE CATCH BASIN	10.1.0	WET STONE MASONRY RETAINING WALL	CCF	CLEAN CATCH BASIN
3.5.1 (SIZE)	SOLID BLOCK SHALLOW 5'-0" OR 6'-0" SQUARE CATCH BASIN	10.2.0	RUBBLE MASONRY WALL	CG	CUT AND CAP PIPE WITH RESTRAINT (ALL SIZES)
3.6.0	BRICK/SOLID BLOCK DROP INLET	10.3.0	CONCRETE RETAINING WALL	CGF	CLEAN AND FLUSH PIPE
3.7.0 (DIA.)	BRICK/SOLID BLOCK ROUND MANHOLE OR CATCH BASIN GREATER THAN 12'-0"	10.4.0	STONE MASONRY STEPS	CMH	CLEARING AND GRUBBING
4.2.0	PRECAST 4'-0" ROUND MANHOLE	14.1.0	CONCRETE HIGHWAY BOUND	CP (DEPTH)	CLEAN MANHOLE
4.2.1	PRECAST 5'-0" ROUND MANHOLE	15.1.0	POST AND MOUNTINGS FOR RURAL MAILBOX	CPP	CUT AND PLUG PIPE (ALL TYPES, ALL SIZES)
4.2.2	PRECAST 6'-0" ROUND MANHOLE	15.2.0 (NO.)	POST AND MULTIPLE MOUNTINGS FOR RURAL MAILBOXES	DB	REMOVE AND DISPOSE BITUMINOUS CURB
4.3.0 (SIZE)	PRECAST 4'-0" OR 6'-0" SQUARE MANHOLE OR CATCH BASIN	18.2.0	PRECAST TYPE "A" HANDHOLE	DC	REMOVE AND DISPOSE CONCRETE CURB
4.4.0 (DIA.)	PRECAST 4'-0", 5'-0", OR 6'-0" ROUND CATCH BASIN	18.2.2	HEAVY DUTY TYPE "H" HANDHOLE	DCB	REMOVE AND DISPOSE CATCH BASIN
4.5.0	PRECAST CONCRETE DROP INLET	18.3.0	ALUMINUM LIGHTING STANDARDS	DDI	REMOVE AND DISPOSE DROP INLET
4.5.1	PRECAST CONCRETE DROP INLET LATERAL OUTLET	20.2.0	BI-DIRECTIONAL CONTROL DEVICE	DF	REMOVE AND DISPOSE FENCE
4.5.2	PRECAST CONCRETE DROP INLET LONGITUDINAL OUTLET	24.6.1	STREET SIGN MOUNTING DETAIL	DFC	REMOVE AND DISPOSE FRAME AND COVER
5.3.0	CATCH BASIN AND MANHOLE STEP	26.2.0	POLYETHYLENE DRUM WITH MARKINGS	DFE	REMOVE AND DISPOSE FLARED END SECTION
5.4.0	CONCRETE COLLARS	26.3.0	PVC PLASTIC PIPE TYPE III BARRICADE	DFG	REMOVE AND DISPOSE FRAME AND GRATE
6.1.0	LIGHT-DUTY SQUARE FRAME AND ROUND COVER	31.1.0	CHAIN LINK FENCE 3'-0" TO 4'-0"	DFH	REMOVE AND DISPOSE FIRE HYDRANT
6.1.1	HEAVY DUTY SQUARE FRAME AND ROUND COVER	31.2.0	CHAIN LINK FENCE 5'-0" TO 6'-0"	DFP	REMOVE AND DISPOSE FLEXIBLE PAVEMENT
6.2.0	LIGHT-DUTY ROUND FRAME AND COVER	31.2.1	CHAIN LINK FENCE 5'-0" TO 6'-0" INTERMEDIATE POST	DG	REMOVE AND DISPOSE GUARDRAIL
6.2.1	HEAVY-DUTY ROUND FRAME AND COVER	31.3.0	WOVEN WIRE RIGHT-OF-WAY FENCE (STEEL POST)	DH	REMOVE AND DISPOSE HEADWALL
6.3.0	SQUARE FRAME AND GRATE	34.1.0	TYPICAL GUARDRAIL INSTALLATION	DHB	REMOVE AND DISPOSE HIGHWAY BOUND
6.3.1	SQUARE FRAME AND GRATE	34.2.0	STEEL BEAM GUARDRAIL	DHH	REMOVE AND DISPOSE HANDHOLE
6.3.2	SQUARE FRAME AND GRATE (BICYCLE SAFE)	34.2.1	STEEL BEAM GUARDRAIL DETAILS	DL	REMOVE AND DISPOSE LIGHT AND FOUNDATION
6.3.3	HIGH CAPACITY FRAME AND GRATE	34.2.2	STEEL BEAM GUARDRAIL DOUBLE FACED ASSEMBLY	DMB	REMOVE AND DISPOSE MEDIAN BARRIER
6.3.4	HIGH CAPACITY FRAME AND GRATE (BICYCLE SAFE)	34.2.3	STEEL BEAM GUARDRAIL FIXTURES	DMH	REMOVE AND DISPOSE MANHOLE
6.4.0	ROUND FRAME AND GRATE	34.2.5	STEEL BEAM GUARDRAIL REFLECTORIZED TRIANGULAR DELINEATOR	DMM	REMOVE AND DISPOSE MEDIAN MARKER
7.1.0S	PRECAST CONCRETE CURB (STRAIGHT)	34.3.1	GUARDRAIL END SECTION	DOW	REMOVE AND DISPOSE OBSERVATION WELL
7.1.0C	PRECAST CONCRETE CURB (CIRCULAR)	34.3.2	TERMINAL END SECTION (SINGLE FACE)	DP	REMOVE AND DISPOSE PIPE
7.1.1	3'-0" PRECAST CONCRETE TRANSITION CURB	34.3.3	ANCHORAGE DETAILS APPROACH END SECTION	DPB	REMOVE AND DISPOSE PAVEMENT AND RIGID BASE
7.1.2	6'-0" PRECAST CONCRETE TRANSITION CURB	34.3.4	ANCHORAGE DETAILS TRAILING END SECTION	DRB	REMOVE AND DISPOSE RIGID BASE
7.1.4	PRECAST 2'-0" RADIUS CORNER	34.4.0	STEEL BACKED TIMBER GUARDRAIL	DS	REMOVE AND DISPOSE SIGN
7.1.5	PRECAST CONCRETE INLET STONE (FOR SQUARE CATCH BASIN)	34.4.1	STEEL BACKED TIMBER GUARDRAIL TERMINAL SECTION-TYPE 1	DSS	REMOVE AND DISPOSE TRAFFIC SIGNAL SYSTEM
7.1.6	PRECAST CONCRETE INLET STONE (FOR ROUND CATCH BASIN)	40.1.0	DOUBLE-FACED PRECAST MEDIAN BARRIER	DSW	REMOVE AND DISPOSE SIDEWALK
7.1.7	PRECAST CONCRETE APRON STONE (FOR SQUARE CATCH BASIN)	40.2.0	SINGLE-FACED PRECAST MEDIAN BARRIER	DTD	REMOVE AND DISPOSE TELEPHONE DUCT BANKS
7.1.8	PRECAST CONCRETE APRON STONE (FOR ROUND CATCH BASIN)	40.2.1	SINGLE-FACED PRECAST MEDIAN BARRIER	DUP	REMOVE AND DISPOSE UTILITY POLE
7.2.0S	PRECAST CONCRETE SLOPED FACE CURB (STRAIGHT)	40.3.0	PRECAST MEDIAN BARRIER TRANSITION UNIT	DWW	REMOVE AND DISPOSE PAVED WATERWAY
7.2.0C	PRECAST CONCRETE SLOPED FACE CURB (CIRCULAR)	40.5.0	PRECAST MEDIAN BARRIER FOR TEMPORARY TRAFFIC CONTROL	FF	REMOVE AND DISPOSE PAVED WATERWAY
7.2.1	PRECAST CONCRETE SLOPED FACE TRANSITION CURB	43.1.0	CEMENT CONCRETE SIDEWALK	GET	FILTER FABRIC RIPRAP FLARED END UNDERLAYMENT
7.2.2	PRECAST CONCRETE TRANSITION CURB (VERTICAL FACE TO SLOPED FACE)	43.2.0	BITUMINOUS CONCRETE SIDEWALK	IA	FLARED GUARDRAIL END TREATMENT
7.3.0S	GRANITE CURB (STRAIGHT)	43.3.0	WHEELCHAIR RAMP	IDL	IMPACT ATTENUATOR
7.3.0C	GRANITE CURB (CIRCULAR)	43.3.1	WHEELCHAIR RAMP FOR LIMITED RIGHT-OF-WAY AREAS	LOD	IMPERVIOUS DITCH LINER
7.3.1	3'-0" GRANITE TRANSITION CURB	43.4.0	DRIVEWAY DEVELOPMENT FOR 3'-0" TRANSITION CURB	LOR	LIMIT OF DISTURBANCE
7.3.2	6'-0" GRANITE TRANSITION CURB	43.4.1	DRIVEWAY DEVELOPMENT FOR 6'-0" TRANSITION CURB	LS	LIMIT OF REGRADING
7.3.3	GRANITE WHEELCHAIR RAMP TRANSITION CURB	43.5.0	CEMENT CONCRETE DRIVEWAYS		4" LOAM AND SEED
7.3.4	GRANITE 2'-0" RADIUS CORNER	48.1.0	DETECTABLE WARNING SYSTEM		
7.3.5	GRANITE INLET STONE (FOR SQUARE CATCH BASIN)	51.1.0	TREE PROTECTION DEVICE		
7.3.6	GRANITE INLET STONE (FOR ROUND CATCH BASIN)	51.1.1	DRIP LINE TREE PROTECTION DEVICE FOR EXISTING TREES		
7.3.7	GRANITE APRON STONE (FOR SQUARE CATCH BASIN)	51.2.0	SHRUB PROTECTION DEVICE		
7.3.8	GRANITE APRON STONE (FOR ROUND CATCH BASIN)	51.3.0	TREE WELL		
7.4.0	GRANITE SLOPED FACE CURB	51.4.0	TREE WALL		
7.4.1	GRANITE SLOPED FACE TRANSITION CURB				

7.4.2	GRANITE TRANSITION CURB (VERTICAL FACE TO SLOPE FACE)	AB	ADJUST CATCH BASIN TO GRADE
7.5.0	BITUMINOUS CONCRETE LIP CURB	ABM	ADJUST CATCH BASIN TO MANHOLE
7.5.1A	BITUMINOUS BERM (CONSTRUCTION METHOD A)	AC	ADJUST CURB STOP TO GRADE
7.5.1B	BITUMINOUS BERM (CONSTRUCTION METHOD B)	AD	ADJUST DRAINAGE MANHOLE TO GRADE
7.6.0	CURB SETTING DETAIL	AE	ADJUST ELECTRIC MANHOLE TO GRADE
8.2.0	BITUMINOUS CONCRETE DITCH	AFC	ADJUST FRAME AND COVER TO GRADE
8.3.0	RIP-RAP DITCH	AFG	ADJUST FRAME AND GRATE TO GRADE
8.4.0	PAVED WATERWAY	AG	ADJUST GAS GATE BOX TO GRADE
9.1.0	BALED HAY EROSION CHECK	AHH	ADJUST HANDHOLE TO GRADE
9.2.0	SILT FENCE DETAIL	AS	ADJUST SANITARY SEWER MANHOLE TO GRADE
9.3.0	BALED HAY DITCH EROSION CHECK AND SILT FENCE COMBINED	AT	ADJUST TELEPHONE MANHOLE TO GRADE
9.4.0	BALED HAY DITCH AND SWALE EROSION CHECK	AW	ADJUST WATER GATE BOX TO GRADE
9.5.0	LOG AND HAY CHECK DAM	BCD	BITUMINOUS CONCRETE DRIVEWAY
9.7.0	DEWATERING BASIN	BPS	3" BITUMINOUS CONCRETE TYPE 1-2
9.8.0	BALED HAY CATCH BASIN INLET PROTECTION	CCB	8" GRAVEL BORROW SUBBASE COURSE
9.9.0	CONSTRUCTION ACCESS	CCP	BUILD NEW STRUCTURE OVER EXISTING PIPE
10.1.0	WET STONE MASONRY RETAINING WALL	CCF	CLEAN CATCH BASIN
10.2.0	RUBBLE MASONRY WALL	CG	CUT AND CAP PIPE WITH RESTRAINT (ALL SIZES)
10.3.0	CONCRETE RETAINING WALL	CGF	CLEAN AND FLUSH PIPE
10.4.0	STONE MASONRY STEPS	CMH	CLEARING AND GRUBBING
14.1.0	CONCRETE HIGHWAY BOUND	CP (DEPTH)	CLEAN MANHOLE
15.1.0	POST AND MOUNTINGS FOR RURAL MAILBOX	CPP	CUT AND PLUG PIPE (ALL TYPES, ALL SIZES)
15.2.0 (NO.)	POST AND MULTIPLE MOUNTINGS FOR RURAL MAILBOXES	DB	REMOVE AND DISPOSE BITUMINOUS CURB
18.2.0	PRECAST TYPE "A" HANDHOLE	DC	REMOVE AND DISPOSE CONCRETE CURB
18.2.2	HEAVY DUTY TYPE "H" HANDHOLE	DCB	REMOVE AND DISPOSE CATCH BASIN
18.3.0	ALUMINUM LIGHTING STANDARDS	DDI	REMOVE AND DISPOSE DROP INLET
20.2.0	BI-DIRECTIONAL CONTROL DEVICE	DF	REMOVE AND DISPOSE FENCE
24.6.1	STREET SIGN MOUNTING DETAIL	DFC	REMOVE AND DISPOSE FRAME AND COVER
26.2.0	POLYETHYLENE DRUM WITH MARKINGS	DFE	REMOVE AND DISPOSE FLARED END SECTION
26.3.0	PVC PLASTIC PIPE TYPE III BARRICADE	DFG	REMOVE AND DISPOSE FRAME AND GRATE
31.1.0	CHAIN LINK FENCE 3'-0" TO 4'-0"	DFH	REMOVE AND DISPOSE FIRE HYDRANT
31.2.0	CHAIN LINK FENCE 5'-0" TO 6'-0"	DFP	REMOVE AND DISPOSE FLEXIBLE PAVEMENT
31.2.1	CHAIN LINK FENCE 5'-0" TO 6'-0" INTERMEDIATE POST	DG	REMOVE AND DISPOSE GUARDRAIL
31.3.0	WOVEN WIRE RIGHT-OF-WAY FENCE (STEEL POST)	DH	REMOVE AND DISPOSE HEADWALL
34.1.0	TYPICAL GUARDRAIL INSTALLATION	DHB	REMOVE AND DISPOSE HIGHWAY BOUND
34.2.0	STEEL BEAM GUARDRAIL	DHH	REMOVE AND DISPOSE HANDHOLE
34.2.1	STEEL BEAM GUARDRAIL DETAILS	DL	REMOVE AND DISPOSE LIGHT AND FOUNDATION
34.2.2	STEEL BEAM GUARDRAIL DOUBLE FACED ASSEMBLY	DMB	REMOVE AND DISPOSE MEDIAN BARRIER
34.2.3	STEEL BEAM GUARDRAIL FIXTURES	DMH	REMOVE AND DISPOSE MANHOLE
34.2.5	STEEL BEAM GUARDRAIL REFLECTORIZED TRIANGULAR DELINEATOR	DMM	REMOVE AND DISPOSE MEDIAN MARKER
34.3.1	GUARDRAIL END SECTION	DOW	REMOVE AND DISPOSE OBSERVATION WELL
34.3.2	TERMINAL END SECTION (SINGLE FACE)	DP	REMOVE AND DISPOSE PIPE
34.3.3	ANCHORAGE DETAILS APPROACH END SECTION	DPB	REMOVE AND DISPOSE PAVEMENT AND RIGID BASE
34.3.4	ANCHORAGE DETAILS TRAILING END SECTION	DRB	REMOVE AND DISPOSE RIGID BASE
34.4.0	STEEL BACKED TIMBER GUARDRAIL	DS	REMOVE AND DISPOSE SIGN
34.4.1	STEEL BACKED TIMBER GUARDRAIL TERMINAL SECTION-TYPE 1	DSS	REMOVE AND DISPOSE TRAFFIC SIGNAL SYSTEM
40.1.0	DOUBLE-FACED PRECAST MEDIAN BARRIER	DSW	REMOVE AND DISPOSE SIDEWALK
40.2.0	SINGLE-FACED PRECAST MEDIAN BARRIER	DTD	REMOVE AND DISPOSE TELEPHONE DUCT BANKS
40.2.1	SINGLE-FACED PRECAST MEDIAN BARRIER	DUP	REMOVE AND DISPOSE UTILITY POLE
40.3.0	PRECAST MEDIAN BARRIER TRANSITION UNIT	DWW	REMOVE AND DISPOSE PAVED WATERWAY
40.5.0	PRECAST MEDIAN BARRIER FOR TEMPORARY TRAFFIC CONTROL	FF	REMOVE AND DISPOSE PAVED WATERWAY
43.1.0	CEMENT CONCRETE SIDEWALK	GET	FILTER FABRIC RIPRAP FLARED END UNDERLAYMENT
43.2.0	BITUMINOUS CONCRETE SIDEWALK	IA	FLARED GUARDRAIL END TREATMENT
43.3.0	WHEELCHAIR RAMP	IDL	IMPACT ATTENUATOR
43.3.1	WHEELCHAIR RAMP FOR LIMITED RIGHT-OF-WAY AREAS	LOD	IMPERVIOUS DITCH LINER
43.4.0	DRIVEWAY DEVELOPMENT FOR 3'-0" TRANSITION CURB	LOR	LIMIT OF DISTURBANCE
43.4.1	DRIVEWAY DEVELOPMENT FOR 6'-0" TRANSITION CURB	LS	LIMIT OF REGRADING
43.5.0	CEMENT CONCRETE DRIVEWAYS		4" LOAM AND SEED
48.1.0	DETECTABLE WARNING SYSTEM		
51.1.0	TREE PROTECTION DEVICE		
51.1.1	DRIP LINE TREE PROTECTION DEVICE FOR EXISTING TREES		
51.2.0	SHRUB PROTECTION DEVICE		
51.3.0	TREE WELL		
51.4.0	TREE WALL		

AB	ADJUST CATCH BASIN TO GRADE	NFH	NEW FIRE HYDRANT WITH GATE VALVE
ABM	ADJUST CATCH BASIN TO MANHOLE	NIC	NOT IN THIS CONSTRUCTION CONTRACT
AC	ADJUST CURB STOP TO GRADE	NWB	FURNISH AND INSTALL NEW WATER GATE VALVE BOX
AD	ADJUST DRAINAGE MANHOLE TO GRADE	NWVB	FURNISH AND INSTALL NEW WATER GATE VALVE AND BOX
AE	ADJUST ELECTRIC MANHOLE TO GRADE	NWCB	FURNISH AND INSTALL NEW WATER CURB STOP BOX
AFC	ADJUST FRAME AND COVER TO GRADE	NWSB	FURNISH AND INSTALL NEW WATER CURB STOP AND BOX
AFG	ADJUST FRAME AND GRATE TO GRADE	PCD	PERMANENT CHECK DAM
AG	ADJUST GAS GATE BOX TO GRADE	PS	4" PLANTABLE SOIL AND SEED
AHH	ADJUST HANDHOLE TO GRADE	RCB	RECONSTRUCT TYPE "D" CATCH BASIN, TO CATCH BASIN WITH GUTTER INLET
AS	ADJUST SANITARY SEWER MANHOLE TO GRADE	RCM	R.I.D.O.T. COMMUNICATIONS MANHOLE
AT	ADJUST TELEPHONE MANHOLE TO GRADE	RHH	REMOVE, HANDLE, HAUL, TRIM, RESET CURB
AW	ADJUST WATER GATE BOX TO GRADE	RLP	EDGING, STRAIGHT, CIRCULAR (ALL TYPES)
BCD	BITUMINOUS CONCRETE DRIVEWAY	RMB	RELOCATE LAMP POST
BPS	3" BITUMINOUS CONCRETE TYPE 1-2	RPM	RELOCATE MAILBOX (BY OTHERS)
CCB	8" GRAVEL BORROW SUBBASE COURSE	RRP	RELOCATE UTILITY POLE (BY OTHERS)
CCP	BUILD NEW STRUCTURE OVER EXISTING PIPE	RRS	REMOVE PAVEMENT MARKINGS
CCF	CLEAN CATCH BASIN	RUP	RIP-RAP PAD (SEE DETAIL)
CG	CUT AND CAP PIPE WITH RESTRAINT (ALL SIZES)	SB	REMOVE AND RELOCATE SIGN
CGF	CLEAN AND FLUSH PIPE	SBAE	RELOCATE UTILITY POLE (BY OTHERS)
CMH	CLEARING AND GRUBBING	SBTE	STONE BAFFLE
CP (DEPTH)	CLEAN MANHOLE	SD	STEEL BEAM BRIDGE CONNECTION APPROACH END (W/O NESTED RAIL)
CPP	CUT AND PLUG PIPE (ALL TYPES, ALL SIZES)	SF	STEEL BEAM BRIDGE CONNECTION TRAILING END (W/NESTED RAIL)
DB	REMOVE AND DISPOSE BITUMINOUS CURB	SGA	STRUCTURAL DISPOSITION - SEE CS PAGES OF SPECIFICATION
DC	REMOVE AND DISPOSE CONCRETE CURB	SGC	REMOVE AND STOCKPILE FENCE
DCB	REMOVE AND DISPOSE CATCH BASIN	SGR	SPECIAL GRADED AGGREGATE
DDI	REMOVE AND DISPOSE DROP INLET	SH	REMOVE AND STOCKPILE GRANITE CURB
DF	REMOVE AND DISPOSE FENCE	SS	REMOVE AND STOCKPILE GUARDRAIL
DFC	REMOVE AND DISPOSE FRAME AND COVER	STS	REMOVE AND STOCKPILE HYDRANT
DFE	REMOVE AND DISPOSE FLARED END SECTION	TB	REMOVE AND STOCKPILE SIGN
DFG	REMOVE AND DISPOSE FRAME AND GRATE	TEP	REMOVE AND STOCKPILE TRAFFIC SIGNAL SYSTEM
DFH	REMOVE AND DISPOSE FIRE HYDRANT	TNP	CONCRETE THRUST BLOCK
DFP	REMOVE AND DISPOSE FLEXIBLE PAVEMENT	TBT	TIE EXISTING PIPE INTO NEW STRUCTURE
DG	REMOVE AND DISPOSE GUARDRAIL	TBBC	TIE NEW PIPE INTO EXISTING STRUCTURE
DH	REMOVE AND DISPOSE HEADWALL	TT	THRIE BEAM TRANSITION
DHB	REMOVE AND DISPOSE HIGHWAY BOUND	WCM	THREE BEAM BRIDGE CONNECTION
DHH	REMOVE AND DISPOSE HANDHOLE	4DY	TREE TRIMMING
DL	REMOVE AND DISPOSE LIGHT AND FOUNDATION	6W	4" WOOD CHIP MULCH
DMB	REMOVE AND DISPOSE MEDIAN BARRIER	12W	4" EPOXY RESIN PAVEMENT MARKINGS - DOUBLE YELLOW
DMH	REMOVE AND DISPOSE MANHOLE	6WT	6" EPOXY RESIN PAVEMENT MARKINGS - WHITE
DMM	REMOVE AND DISPOSE MEDIAN MARKER	4Y	12" EPOXY RESIN PAVEMENT MARKINGS - WHITE
DOW	REMOVE AND DISPOSE OBSERVATION WELL	6Y	6" PERFORMED PATTERNED MARKING (HIGH PERFORMANCE TAPE)
DP	REMOVE AND DISPOSE PIPE	P.G.L.	4" EPOXY RESIN PAVEMENT MARKINGS - YELLOW
DPB	REMOVE AND DISPOSE PAVEMENT AND RIGID BASE		6" EPOXY RESIN PAVEMENT

GENERAL NOTES:

- EXISTING BASE PLANS WERE DEVELOPED BY BRYANT ASSOCIATES, 640 GEORGE WASHINGTON HIGHWAY, BUILDING SUITE 100, LINCOLN, RI 02865, IN NOVEMBER OF 2017.
HORIZONTAL DATUM: NAD83 RHODE ISLAND STATE PLANE FEET
VERTICAL DATUM: NAVD88 FEET
- BASELINES SHOWN ON THESE PLANS ARE APPROXIMATE AND WERE GRAPHICALLY PRODUCED BASED ON EXISTING HIGHWAY PLATS AND PLANS. GEOMETRIC INFORMATION CONTAINED IN THESE PLANS HAVE NOT BEEN FIELD VERIFIED.
- CONSTRUCTION INDICATED ON THESE PLANS WILL BE IN ACCORDANCE WITH THE LATEST VERSION OF AND MODIFICATIONS TO THE STATE OF RHODE ISLAND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AND THE SPECIFICATIONS ACCOMPANYING THESE PLANS. IN CASE OF CONFLICT, THE SPECIAL PROVISIONS OF THE SPECIFICATIONS ACCOMPANYING THESE PLANS WILL GOVERN.
- ALL ITEMS NOT REFERENCED FOR MODIFICATION WILL BE "EXISTING TO REMAIN" UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- ANY EXISTING PROPERTY THAT WAS NOT PROPOSED TO BE MODIFIED THAT IS DAMAGED BY THE DESIGN-BUILD ENTITY WILL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO RIDOT.
- TOLLING EQUIPMENT IS SHOWN FOR GENERAL INFORMATION ONLY.
- ANY EXISTING SIGNS IMPACTED BY CONSTRUCTION WILL BE RELOCATED OR REPLACED.
- TYPICAL GUARDRAIL INSTALLATION AND CONSTRUCTION WILL BE IN ACCORDANCE WITH RIDOT STANDARD SPECIFICATIONS, RIDOT DETAILS, AASHTO ROADSIDE DESIGN GUIDE, 4TH ED. 2011 (RDG), THE LATEST EDITION AND MANUFACTURERS RECOMMENDATIONS. GUARDRAIL POSTS WILL BE INSTALLED IN A MANNER AS TO STRADDLE PAVED WATERWAYS. IF UNATTAINABLE, REPLACE PAVED WATERWAYS IN ACCORDANCE WITH RIDOT DETAIL 8.4.0.
- WETLANDS FLAG LOCATIONS OBTAINED FROM RHODEWORKS TOLL FACILITIES BTC PLANS DATED NOVEMBER 2016, REVISED JANUARY 2017 AND FLAGS OBSERVED IN FIELD. WETLANDS FLAGS WERE NOT SET BY THE DESIGN-BUILD ENTITY.
- 100 YR FLOOD BOUNDARY LOCATION OBTAINED FROM RHODEWORKS TOLL FACILITIES BTC PLANS DATED NOVEMBER 2016, REVISED JANUARY 2017.
- DO NOT DISTURB RIGIS WITNESS POSTS OR DISC.
- REFERENCE TO ENGINEER REFERS TO THE DESIGNATED RIDOT RESIDENT ENGINEER FOR THIS PROJECT.
- REFERENCE TO CONTRACTOR AND/OR DESIGN-BUILD ENTITY REFERS TO THE KAPSCHE DESIGN/BUILD TEAM.
- ALL EXISTING UTILITIES TO REMAIN WITHIN THE LIMIT OF CONSTRUCTION WILL BE PROTECTED FROM DAMAGE OR SETTLEMENT.
- A 1'-0" MINIMUM CLEARANCE TO BE PROVIDED AT ALL ELECTRICAL AND COMMUNICATION CONDUIT CROSSING WITH EXISTING ELECTRICAL CONDUIT.

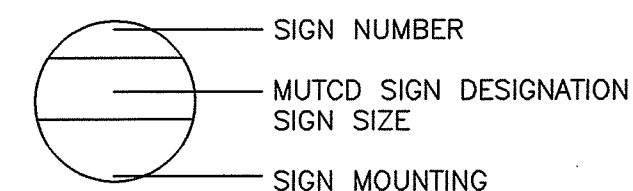
UTILITY NOTES:

- ONLY NON-MECHANICAL MEANS OF EXCAVATION WILL BE USED IN AREAS ADJACENT TO UNDERGROUND UTILITIES UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- ALL WORK WILL CONFORM TO THE LATEST REVISION OF THE NATIONAL ELECTRIC CODE, THE REQUIREMENTS OF THE STATE OF RHODE ISLAND, AND NATIONAL GRID.

SIGNS

- ALL NEW DIRECTIONAL, REGULATORY, WARNING, GUIDE SIGNS AND PARKING SIGNS WILL HAVE NEW SIGN SUPPORTS. UNLESS OTHERWISE INDICATED.
- PRIOR TO INSTALLATION, ALL SIGNS, MOUNTINGS AND LOCATIONS WILL BE APPROVED OR MODIFIED BY THE ENGINEER.
- ALL SIGN RADII AND BORDERS WILL BE AS SPECIFIED IN THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AS AMENDED.

TYPICAL SIGN DESIGNATION SYMBOL



POLE = EXISTING LIGHT OR TRAFFIC SIGNAL POLE
(SEE RI STD. 24.1.0/24.2.0)
EX POST = EXISTING SIGN POST
ARM = PROPOSED MAST ARM

JOB SPECIFIC GENERAL LEGEND

	ATTENUATING CRASH CUSHION - REFER TO SPECIFICATIONS
	CATCH BASIN SEDIMENTATION CONTROL
	COMPOST FILTER SOCK
	CONSTRUCTION STAGING AREA
	END TREATMENT ENERGY ABSORBING
	END TREATMENT NON-ENERGY ABSORBING
	PRECAST TYPE "H" HEAVY DUTY HANDHOLE - RIDOT STD 18.2.1 (COVER TO HAVE THE WORD "ELECTRIC" FOR ELECTRIC HANDHOLE AND "COMM" FOR COMMUNICATION HANDHOLE)
	PRECAST TYPE "H" HEAVY DUTY HANDHOLE - RIDOT STD 18.2.2 (COVER TO HAVE THE WORD "ELECTRIC" FOR ELECTRIC HANDHOLE AND "COMM" FOR COMMUNICATION HANDHOLE)
	RE-GRADING AS REQUIRED
	REMOVE AND RELOCATE ELECTRICAL CONDUIT AND WIRE
	ROADSIDE TOLL CABINET WITH CONCRETE PAD (PAD SIZE VARIES REFER TO DETAILS)
	SERVICE PEDESTAL CABINET (SEE ELECTRICAL DETAILS)
	TRANSFORMER PEDESTAL CABINET (SEE ELECTRICAL DETAILS)
	SERVICE PEDESTAL FOUNDATION
	TL-4 ROADWAY BARRIER SYSTEM - REFER TO SPECIFICATIONS
	STEEL THRIE BEAM GUARDRAIL - SINGLE FACE
	STEEL THRIE BEAM GAURDRAIL TRANSITION
	ABOVEGROUND COMMUNICATION & ELECTRICAL CONDUIT
	OVERHEAD WIRE
	UNDERGROUND COMMUNICATIONS CONDUIT
	UNDERGROUND ELECTRICAL CONDUIT

JOB SPECIFIC PAVEMENT GENERAL LEGEND

	FULL DEPTH SAWCUT (DEPTH VARIES)
	TRENCH DETAIL FOR CONDUIT IN EXISTING ROADWAY - RIDOT STD 18.6.0

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED SEP 26 2019 FILE # 19-0238
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Anthony L. Cardona

REVISIONS			NO.	DATE	BY	RHODE ISLAND DEPARTMENT OF TRANSPORTATION RHODEWORKS TOLL FACILITIES: DESIGN, BUILD, OPERATE AND MAINTAIN RHODE ISLAND
NO.	DATE	BY				
						JOB SPECIFIC PLAN SYMBOLS, LEGEND AND NOTES

CHECKED BY _____ DATE _____ SCALE NO SCALE

