

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


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COLBEA ENTERPRISES, LLC

DESIGNED BY:  
 CHECKED BY:  
 DATE:  
 SHEET: 1  
 OF:

SCALE: NOT TO SCALE

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY
1	6/07	TRB			

SEASONS CORNER MARKET  
 PLAINFIELD PIKE (ROUTE 14)  
 IMPROVEMENTS  
 CRANSTON, RHODE ISLAND

**STANDARD PLAN SYMBOLS & STANDARD LEGEND**

**GENERAL NOTES:**

1. ANY DAMAGE TO EXISTING PAVEMENT, BRIDGES, CONDUIT, SIDEWALK, FENCES, ETC., CAUSED BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE STATE.
2. THE CONTRACTOR SHALL PLACE ALL EQUIPMENT AND MATERIAL AS FAR AWAY AS POSSIBLE FROM THE EDGE OF THE TRAVEL LANE SO AS NOT TO CAUSE A SAFETY HAZARD, IN ACCORDANCE WITH SECTION 106.06 OF THE R.I.D.O.T. STANDARD SPECIFICATION, LATEST EDITION.
3. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THE EXISTING CONDITIONS ARE NOT OBLITERATED BEFORE CONTROL POINTS ARE LOCATED AND CONSTRUCTION LAYOUT IS ESTABLISHED. THE CONSTRUCTION LAYOUT SHALL BE PROVIDED IN SUFFICIENT DETAIL, THEREBY ENABLING HIM TO CONSTRUCT THE PROJECT IN CONFORMITY WITH THE PLANS AND SPECIFICATIONS. SURVEY WILL BE PROVIDED BY THE CONTRACTOR. THE RESIDENT ENGINEER WILL NOT AUTHORIZE CONSTRUCTION ACTIVITIES TO BEGIN UNTIL HE IS SATISFIED THAT ALL GROUND CONTROL HAS BEEN ESTABLISHED, TIED DOWN, AND DULY RECORDED IN STANDARD FIELD BOOKS.
4. ALL R.I. STD. 9.9.0 CONSTRUCTION ACCESS ROADS SHALL BE CONSTRUCTED PRIOR TO ANY ROADWAY ACCEPTING CONSTRUCTION TRAFFIC.
5. THE FREQUENCY AND APPLICATION RATES FOR THE DUST CONTROL ITEMS WILL BE AS DIRECTED BY THE ENGINEER.
6. ALL SIDEWALK AND DRIVEWAYS DESIGNATED FOR REPLACEMENT SHALL BE CUT AND MATCHED AT LOCATIONS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
7. ASPHALT EMULSION TACK COAT SHALL BE PLACED PRIOR TO PAVEMENT PLACEMENT ON THE CONCRETE BASE OR COLD PLAINED PAVEMENT, AND ON ANY NEW COURSE WHICH HAS BEEN OPEN TO TRAFFIC, OR ANY NEW COURSE WHICH HAS BEEN EXPOSED FOR MORE THAN 3 DAYS, AND/OR AS DIRECTED BY THE ENGINEER. IT SHALL ALSO BE APPLIED TO VERTICAL PAVEMENT FACES BETWEEN ADJOINING PAVEMENT SECTIONS. ALL APPLICATIONS ON BOTH HORIZONTAL AND VERTICAL SURFACES SHALL BE PAID FOR UNDER THE CONTRACT UNIT BID PRICE FOR CODE 403.0300 "ASPHALT EMULSION TACK COAT."
8. THE LIMITS OF CLEARING AND SURFACE DISTURBANCE MUST BE STRICTLY ADHERED TO IN ALL AREAS. IN ADDITION TO THOSE AREAS SPECIFICALLY DESIGNATED ON THE PLANS, THE CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING AND PLACING, AT HIS OWN EXPENSE, PLANTABLE SOIL AND SEED IN AREAS WHICH ARE OUTSIDE OF THE PROJECT'S AREAS OF DISTURBANCE AND WHICH ARE IMPACTED BY CONSTRUCTION OPERATIONS INCLUDING THOSE AREAS WHERE VEHICLES, EQUIPMENT AND MATERIALS ARE STORED WITH THE PERMISSION OF THE ENGINEER.
9. UNDER NO CIRCUMSTANCE WILL THE CONTRACTOR BE ALLOWED TO STOCKPILE REMOVED PAVEMENT MATERIALS WITHIN THE PROJECT LIMITS.
10. CLEANING AND SWEEPING OF PAVEMENT WILL INCLUDE REMOVAL OF ALL PAVEMENT DEBRIS PRIOR TO THE PLACEMENT OF EACH BITUMINOUS PAVEMENT LIFT. ALL CLEANING AND SWEEPING SHALL BE DONE TO THE SATISFACTION OF THE ENGINEER.
11. PRIOR TO INSTALLATION, ALL SIGNS, MOUNTINGS AND LOCATIONS SHALL BE APPROVED OR MODIFIED BY THE ENGINEER.
12. THE COORDINATE SYSTEM, IF SHOWN, IS THE RHODE ISLAND STATE PLANE COORDINATE SYSTEM.
13. PAVEMENT OPERATIONS FOR CURBED SECTIONS: IN AREAS WHERE CURBING IS SET TO FINISH LINE AND GRADE, THE CONTRACTOR WILL NOT BE REQUIRED TO UTILIZE THE SENSOR AND SKY-TYPE DEVICE FOR AUTOMATIC GRADE CONTROL, BUT WILL BE ALLOWED TO MANUALLY ADJUST THE BITUMINOUS PAVER FOR CONTROLLING GRADE.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL ROADWAYS FREE OF DEBRIS RESULTING FROM THEIR CONSTRUCTION OPERATIONS. ALL DEBRIS SHALL BE REMOVED TO THE SATISFACTION OF THE ENGINEER AT NO ADDITIONAL COST TO THE STATE.
15. NO FUEL STORAGE, VEHICLE REFUELING, OR EQUIPMENT STORAGE SHALL TAKE PLACE IN DESIGNATED WETLANDS, NOR WITHIN 100' OF ANY WATER BODY. THIS REQUIREMENT SHALL NOT SUPERSEDE ANY FEDERAL, STATE OR LOCAL LAW, ORDINANCE, RULE OR REGULATION THAT APPLIES TO THE SAME, UNLESS THIS REQUIREMENT IS MORE STRINGENT THAN SAID LAW, ORDINANCE, RULE OR REGULATION.
16. THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT AT THE END OF FINAL PAVING OPERATIONS, FLOW TO EXISTING DRAINAGE STRUCTURES HAS BEEN REESTABLISHED AND THAT NO ISOLATED DEPRESSIONS REMAIN. THERE SHALL BE NO SEPARATE PAYMENT FOR THIS PROVISION; IT SHALL BE CONSIDERED INCIDENTAL TO PAVING AND COLD PLANING OPERATIONS.
17. ALL EMBANKMENTS SHALL BE PLACED IN HORIZONTAL LAYERS NOT EXCEEDING 12" (AFTER COMPACTION) AND SHALL BE COMPACTED AS SPECIFIED BEFORE THE NEXT LAYER IS PLACED. ALSO, EMBANKMENT CONSTRUCTION SHALL CONFORM TO SECTION 202.03.2 OF THE R.I.D.O.T. STANDARD SPECIFICATIONS, LATEST EDITION.
18. IF THIS PROJECT IS ON A HURRICANE EVACUATION AND DIVERSIONARY ROUTE, AS DESIGNATED ON THE COVERSHEET, THE CONTRACTOR IS ADVISED THAT UPON 12 (TWELVE) HOURS NOTICE THE ROADWAY SHALL BE OPEN TO EVACUEES AND EMERGENCY PERSONNEL. ANY EXTRA WORK NECESSARY TO COMPLY WITH THIS REQUIREMENT WILL BE REIMBURSED UNDER FORCE ACCOUNT PROCEDURES.
19. THE CONTRACTOR SHALL READ, BECOME FAMILIAR WITH, AND ADHERE TO ALL OF THE PROVISIONS, CONDITIONS, AND STIPULATIONS STATED IN THE ENVIRONMENTAL APPROVALS ISSUED FOR THE PROJECT FROM THE DEPARTMENT OF ENVIRONMENTAL MANAGEMENT (RIDEM). AND/OR THE ARMY CORPS OF ENGINEERS (ACOE). AND/OR THE COASTAL RESOURCES MANAGEMENT COUNCIL (CRMC). COPIES OF EACH OF THESE PERMITS ARE INCLUDED IN THE CS PAGES OF THE CONTRACT DOCUMENTS. ALL COSTS ASSOCIATED WITH THESE CONDITIONS SHALL BE CONSIDERED INCIDENTAL TO THE CONSTRUCTION AND INCLUDED WITH THE COST FOR THE ASSOCIATED BID ITEM(S).
20. FOR ALL PROJECTS INVOLVING KNOWN SITE REMEDIATION ISSUES, THE CONTRACTOR SHALL READ, BECOME FAMILIAR WITH, AND ADHERE TO ALL OF THE CONSTRUCTION RELATED PROVISIONS, CONDITIONS, AND STIPULATIONS OF ANY REMEDIAL PLANS DEVELOPED FOR THE PROJECT. COPIES OF THESE DOCUMENTS ARE INCLUDED IN THE CS PAGES OF THE CONTRACT DOCUMENTS. ALL COSTS ASSOCIATED WITH COMPLIANCE WITH THESE DOCUMENTS SHALL BE CONSIDERED INCIDENTAL TO THE CONSTRUCTION AND INCLUDED WITH THE COST FOR THE ASSOCIATED BID ITEM(S).
21. NO UNPROTECTED CONSTRUCTED FEATURE MAY PROJECT MORE THAN 4 INCHES ABOVE THE FINISHED GRADE OF A TRAVERSABLE SLOPE IN A CLEAR ZONE, e.g. HEADWALL, DRAINAGE INLET, ETC.
22. THE REMAINING SECTION OR STUB OF A BREAKAWAY BASE MAY NOT PROJECT MORE THAN 4 INCHES ABOVE THE FINISHED GRADE OF A TRAVERSABLE SLOPE IN A CLEAR ZONE, e.g. SIGN POSTS, LIGHT POLES, FIRE HYDRANTS, ETC.

**DRAINAGE AND EROSION CONTROL NOTES:**

1. FOR ALL PROJECTS WITH AT LEAST ONE(1) ACRE OF SOIL DISTURBANCE. R.I.D.O.T. IS REQUIRED TO DEVELOP AND ENFORCE A SITE SPECIFIC STORM WATER POLLUTION PREVENTION PLAN (SWPPP) IN ORDER TO REMAIN IN COMPLIANCE WITH THE RIDDES GENERAL PERMIT FOR STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL READ, BECOME FAMILIAR WITH, AND ADHERE TO ALL OF THE PROVISIONS, CONDITIONS, AND STIPULATIONS OF THE GENERAL PERMIT AND THE SITE SPECIFIC SWPPP FOR THIS PROJECT. COPIES OF THESE DOCUMENTS ARE INCLUDED IN THE CS PAGES OF THE CONTRACT DOCUMENTS. ALL COSTS ASSOCIATED WITH ADHERENCE TO THE SWPPP SHALL BE CONSIDERED INCIDENTAL TO THE CONSTRUCTION AND INCLUDED WITH THE COST FOR THE ASSOCIATED BID ITEM(S).
2. NO UNDISTURBED AREAS SHALL BE CLEARED OF EXISTING VEGETATION AFTER OCTOBER 15 OF ANY CALENDAR YEAR OR DURING ANY PERIOD OF FULL OR LIMITED WINTER SHUTDOWN. ALL DISTURBED SOILS EXPOSED PRIOR TO OCTOBER 15 OF ANY CALENDAR YEAR SHALL BE SEEDED OR PROTECTED BY THAT DATE. ANY SUCH AREAS THAT DO NOT HAVE ADEQUATE VEGETATIVE STABILIZATION, AS DETERMINED BY THE RESIDENT ENGINEER OR ENVIRONMENTAL INSPECTOR, BY NOVEMBER 15 OF ANY CALENDAR YEAR, MUST BE STABILIZED THROUGH THE USE OF EROSION CONTROL MATTING OR HAY MULCH, IN ACCORDANCE WITH SPECIFICATIONS CONTAINED WITHIN THE R.I. SOIL EROSION AND SEDIMENT CONTROL HANDBOOK. IF WORK CONTINUES WITHIN ANY OF THESE AREAS DURING THE PERIOD FROM OCTOBER 15 THROUGH APRIL 15, CARE MUST BE TAKEN TO ENSURE THAT ONLY THE AREA REQUIRED FOR THAT DAY'S WORK IS EXPOSED, AND ALL ERODIBLE SOIL MUST BE REESTABLISHED WITHIN 5 WORKING DAYS. ANY WORK TO CORRECT PROBLEMS RESULTING FROM FAILURE TO COMPLY WITH THIS PROVISION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THERE WILL BE NO SEPARATE PAYMENT FOR THIS PROVISION, IT SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION OPERATIONS. STABILIZATION OF ONE FORM OR ANOTHER AS DESCRIBED ABOVE SHALL BE ACHIEVED WITHIN 2 WEEKS OF FINAL GRADING.
3. STOCKPILES OF MATERIAL SHALL NOT BE LOCATED WITHIN REGULATED WETLANDS OR BUFFER ZONE AREAS. THEY SHALL HAVE SIDE SLOPES NO GREATER THAN 30% AND STOCKPILES OF ERODABLE MATERIAL SHALL ALSO BE SEEDED AND RINGED WITH R.I. STD. 9.1.0 TO STABILIZE.
4. IF THE PLANS INCLUDE SPECIFIC AREAS FOR PLACEMENT OF CONSTRUCTION DEWATERING BASINS AND/OR EQUIPMENT AND MATERIALS STORAGE AND STOCKPILING, AND IF THE CONTRACTOR ELECTS TO UTILIZE ANY OTHER AREAS FOR THESE PURPOSES, THIS SHALL BE APPROVED BY THE ENGINEER ONLY AFTER OBTAINING ANY NECESSARY PERMITS AND/OR PERMIT MODIFICATIONS FROM THE APPROPRIATE REGULATORY AUTHORITY(IES). ANY PERMITTING REQUIREMENTS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE ACCOMPLISHED AT NO COST TO THE STATE. THE ENGINEER WILL COORDINATE SUBMISSION OF ANY REQUIRED PERMIT APPLICATION MATERIALS WITH THE R.I.D.O.T. OFFICE OF ENVIRONMENTAL PROGRAMS.
5. JUTE MESH SHALL BE USED TO STABILIZE PLANTABLE SOIL AND/OR LOAM IN ALL DITCHES, ON ALL SLOPES ADJACENT TO WETLANDS AND WETLAND PERIMETERS, AND ON ALL SLOPES WITHIN WATER QUALITY BASINS. JUTE MESH IN DITCHES SHALL EXTEND TO AN ELEVATION 2 FEET ABOVE THE BOTTOM OF THE DITCH.
6. SEEDING ON ALL SLOPES 3 TO 1 OR STEEPER SHALL CONSIST OF THE FOLLOWING APPLICATIONS UNLESS CHANGED IN THE CONTRACT.
  - a. SEEDING TYPE I.
  - b. ADHESIVE MULCH STABILIZER
7. UNVEGETATED SLOPES SHALL NOT BE UNATTENDED OR EXPOSED FOR PERIODS IN EXCESS OF 2 WEEKS OR THROUGH THE INACTIVE WINTER SEASON.
8. PRIOR TO DRAINAGE AND UTILITY CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION (HORIZONTAL AND VERTICAL) OF ALL EXISTING PIPES AND/OR STRUCTURES WHICH ARE TO BE CONNECTED. ANY VARIATION FOUND FROM THE PLANS MUST BE BROUGHT TO THE ENGINEER'S ATTENTION PRIOR TO DRAINAGE AND UTILITY CONSTRUCTION. WORK CAN COMMENCE ONLY UPON THE ENGINEER'S AUTHORIZATION.
9. ALL DRAINAGE AND UTILITY STRUCTURES WITHIN THE PAVED ROADWAY SHALL BE ADJUSTED TO GRADE WITH THE SURROUNDING PAVEMENT PRIOR TO THE WINTER SHUTDOWN.
10. DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING DRAINAGE AND RUNOFF FLOW DURING STORMS AND PERIODS OF RAINFALL THROUGHOUT THE WORK AREA.
11. CATCH BASIN RIM GRADES NOTED ON PLANS ARE DEPRESSED 0.1' LOWER THAN THE GUTTER GRADE. RIM ELEVATIONS SHOWN ARE FINAL GRADES. THE CONTRACTOR SHALL PLACE FRAMES AND GRATES 0.1' BELOW THE GRADE CONSTRUCTED IN THIS CONTRACT OR AS DIRECTED BY THE ENGINEER.
12. PROVISIONS FOR CLEARING TO ACCESS OUTFALLS DURING THE CLEANING AND FLUSHING OF THE CLOSED DRAINAGE SYSTEM SHALL BE KEPT TO A MINIMUM.
  - a. ANY VEGETATIVE CLEARING SHALL BE LIMITED TO BRUSH AND TREES LESS THAN 3" DIAMETER.
  - b. NO HEAVY EQUIPMENT MAY ENCRONCH UPON VEGETATED PERIMETER OR RIVERBANK WETLANDS AS WELL AS BIOLOGICAL WETLANDS.
13. THE CONTRACTOR SHALL INSTALL ALL EROSION CONTROL DEVICES FOR OUTLET PROTECTION PRIOR TO CLEANING AND FLUSHING STORM WATER DRAINAGE. EROSION CONTROL DEVICES SHALL REMAIN IN PLACE UNTIL ALL FLUSHED SEDIMENTS ARE REMOVED. AT ALL OUTFALL LOCATIONS WHERE PIPES ARE TO BE CLEANED AND FLUSHED, OUTLET PROTECTION (R.I. STD. 9.1.0 OR 9.3.0) SHALL BE INSTALLED TO TRAP SEDIMENTS. THESE SEDIMENTS SHALL THEN BE REMOVED AND DISPOSED OF LEGALLY BEFORE THE OUTLET PROTECTION DEVICES ARE REMOVED. IF OUTLET PROTECTION AT THE OUTFALL IS NOT FEASIBLE, THEN THE OUTLET PIPE OF THE LAST DRAINAGE STRUCTURE TO BE CLEANED SHALL BE PLUGGED TO CAPTURE ALL MATERIALS FLUSHED FROM PIPES. AFTER THE MATERIALS ARE REMOVED FROM THE DRAINAGE STRUCTURE, THE OUTLET SHALL BE UNPLUGGED TO RESUME NORMAL FUNCTIONING.
14. R.I. STD. 9.8.0 BALED HAY INLET PROTECTION SHALL BE INSTALLED AT ALL CATCH BASINS AND INLETS WHENEVER SUBBASE IS EXPOSED, AND SHALL REMAIN IN PLACE UNTIL THE ABUTTING GROUND SURFACES ARE STABILIZED.
15. WHERE BALED HAY INLET PROTECTION AND SILT FENCES ARE USED AT CATCH BASINS, THEY SHALL BE REMOVED AT THE END OF THE PROJECT OR AS DIRECTED BY THE ENGINEER IN ORDER TO PREVENT CLOGGING OF THE INLET.

**DRAINAGE AND EROSION CONTROL NOTES (CONTINUED):**

16. DETENTION AND RETENTION BASINS MAY BE ROUGH GRADED AND STABILIZED WITH VEGETATION AND/OR OTHER EROSION CONTROL MEASURES AS REQUIRED BY THE ENGINEER PRIOR TO USE AS TEMPORARY SEDIMENTATION BASINS DURING PROJECT CONSTRUCTION. FINAL BASIN CONSTRUCTION SHALL NOT COMMENCE UNTIL ALL SOURCES OF SEDIMENT HAVE BEEN ELIMINATED. FINAL ROADSIDE VEGETATION IS ESTABLISHED AND USE OF TEMPORARY BASINS IS NO LONGER REQUIRED AS DIRECTED BY THE ENGINEER. ANY ISSUES RELATING TO EROSION AND/OR SEDIMENT TRANSPORT INTO WETLAND AREAS RESULTING FROM SUCH USE OF SEDIMENTATION BASINS DURING CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. ANY CORRECTIVE ACTION REQUIRED TO RESOLVE SUCH ISSUES SHALL BE COMPLETED BY THE CONTRACTOR.
17. THE TOE OF ANY FILL SLOPE IS TO REMAIN AT LEAST 1' INSIDE OF ALL EROSION CONTROLS. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR COVER ANY PORTION OF THE EROSION CONTROL MEASURES WITH MATERIAL. ANY MATERIAL THAT IS PLACED ON ANY EROSION CONTROLS BY THE CONTRACTOR, OR ANY AGENT OF THE CONTRACTOR, SHALL BE IMMEDIATELY REMOVED BY THE CONTRACTOR, AND ANY NECESSARY REPAIRS TO THE EROSION CONTROLS ACCOMPLISHED.
18. PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES, EROSION AND SEDIMENTATION CONTROLS SHALL BE INSTALLED AT THOSE AREAS INDICATED ON THE PLANS. CLEARING MAY OCCUR PRIOR TO INSTALLATION OF SUCH CONTROLS, HOWEVER NO GRUBBING, GRADING, FILLING, OR OTHER SOIL DISTURBANCE SHALL OCCUR PRIOR TO INSTALLATION. THE LIMITS OF CLEARING AND SURFACE DISTURBANCE MUST BE STRICTLY ADHERED TO IN ALL AREAS.
19. ALL HAY BALES, SILT FENCE OR TEMPORARY PROTECTION SHALL REMAIN IN PLACE UNTIL AN ACCEPTABLE STAND OF GRASS IS ESTABLISHED. IF NEEDED, TEMPORARY SEEDING CAN HELP TO MINIMIZE EROSION. TEMPORARY SEED WILL CONFORM TO R.I.D.O.T. STANDARD TEMPORARY SEED MIX.
20. THE CONTRACTOR MUST REPAIR AND/OR RESEED ANY AREAS THAT DO NOT DEVELOP WITHIN THE PERIOD OF ONE YEAR AND HE SHALL DO SO AT NO ADDITIONAL EXPENSE TO THE STATE.
21. THE NORMAL ACCEPTABLE SEASONAL SEEDING DATES ARE SPECIFIED IN SUBSECTION L.02.03 OF THE R.I.D.O.T. STANDARD SPECIFICATIONS, LATEST EDITION.
22. ADDITIONAL EROSION CONTROLS, SHALL BE INSTALLED AS DIRECTED BY THE RESIDENT ENGINEER. THESE ADDITIONAL ITEMS WILL BE PAID AT THE UNIT PRICE FOR THAT BID ITEM.

**UTILITY NOTES:**

1. EXISTING UTILITIES HAVE BEEN SHOWN ON THE PLANS USING THE BEST AVAILABLE INFORMATION AND ARE APPROXIMATE. BUILDING SERVICE CONNECTIONS (ELECTRIC, GAS, TELEPHONE, WATER AND SANITARY) ARE NOT SHOWN. CONTRACTOR IS TO ASSUME SERVICES ARE PRESENT TO ALL BUILDINGS.
2. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL EXISTING DRAINAGE AND UTILITIES BOTH UNDERGROUND AND OVERHEAD BEFORE EXCAVATION BEGINS IN ACCORDANCE WITH CHAPTER 39-1.2 OF THE R.I. GENERAL LAWS ENTITLED "EXCAVATION NEAR UNDERGROUND UTILITY FACILITIES", WITH AMENDMENTS EFFECTIVE AS OF NOVEMBER 1, 2009 AND, WHEN NECESSARY, BY CONTACTING THE INDIVIDUAL UTILITY COMPANIES. EXCAVATION SHALL BE IN ACCORDANCE WITH ALL STATUTES, ORDINANCES, RULES AND REGULATIONS OF ANY APPLICABLE CITY, TOWN, STATE OR FEDERAL AGENCY. THE CONTRACTOR SHOULD UNDERSTAND THAT NOT ALL UTILITIES SUBSCRIBE TO THE DIG SAFE PROGRAM. IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY ALL UTILITY COMPANIES AND ENSURE THAT ALL UTILITIES HAVE BEEN MARKED PRIOR TO COMMENCING THEIR WORK. ANY DAMAGE TO EXISTING UTILITIES MARKED IN THE FIELD, OR AS A RESULT OF FAILING TO CONTACT THE APPROPRIATE UTILITY COMPANY, SHALL BE REPAIRED OR REPLACED AT NO ADDITIONAL COST TO THE STATE.
3. ALL EXISTING UTILITIES TO BE ABANDONED SHALL BE CAPPED.
4. EXISTING WATER SERVICES SHALL BE RECONNECTED TO THE NEW WATER MAINS.
5. UTILITY SERVICE CONNECTIONS SHALL BE MAINTAINED TO ALL EXISTING FACILITIES TO REMAIN.
6. FIRE HYDRANTS SHALL NOT BE REMOVED FROM SERVICE WITHOUT WRITTEN AUTHORIZATION FROM THE FIRE DEPARTMENT OR THE WATER AUTHORITY.
7. ALL NEW WATER LINES SHALL BE DISINFECTED TO THE SATISFACTION OF THE WATER AUTHORITY IN ACCORDANCE WITH THE SPECIFICATIONS.
8. ALL UTILITY POLE RELATED WORK SHALL BE BY OTHERS.



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3	4/14	MLP			

CRANSTON

SEASONS CORNER MARKET  
PLAINFIELD PIKE (ROUTE 14)  
IMPROVEMENTS

RHODE ISLAND

STANDARD NOTES - 1

**LANDSCAPE NOTES:**

1. ALL PLANT MATERIAL MUST BE TAGGED AT THE NURSERY (A RECOGNIZED GROWER OF PLANT MATERIAL) IN ACCORDANCE WITH THE R.I.D.O.T. STANDARD SPECIFICATIONS, LATEST EDITION. ALL PLANT MATERIAL MUST BE NURSERY GROWN; NO PLANTATION GROWN PLANT MATERIAL WILL BE ACCEPTED.
2. ALL PLANT SUBSTITUTIONS AND/OR CHANGES IN PLANT LOCATION MUST BE APPROVED IN ACCORDANCE WITH THE R.I.D.O.T. STANDARD SPECIFICATIONS, LATEST EDITION.
3. ALL PLANT MATERIAL IS TO BE FIELD LOCATED BY A REPRESENTATIVE FROM THE R.I.D.O.T. LANDSCAPE ARCHITECTURE UNIT.
4. A R.I.D.O.T. LANDSCAPE REPRESENTATIVE MUST BE ON SITE TO APPROVE ALL TRIMMING AND CLEARING NECESSARY TO COMPLETE THE WORK AS SHOWN ON THE PLANS.
5. ANY TOPSOIL USED AS PLANTABLE SOIL SHALL HAVE A SANDY LOAM TEXTURE RELATIVELY FREE OF SUBSOIL MATERIAL, STONES, ROOTS, LUMPS OF SOIL, TREE LIMBS, TRASH OR CONSTRUCTION DEBRIS, AND SHALL CONFORM TO SECTION M.18 OF THE R.I.D.O.T. STANDARD SPECIFICATIONS, LATEST EDITION.
6. ALL TREES AND SHRUBS SHALL BE MULCHED WITH PINE BARK MULCH IN ACCORDANCE WITH THE R.I.D.O.T. STANDARD SPECIFICATIONS, LATEST EDITION.
7. ALL TREES AND/OR SHRUBS THAT ARE PLANTED AS A BED SHALL BE MULCHED AS A BED.
8. PROVIDE A MINIMUM 6"-8" BRANCHING STANDARD ON ALL TREES INSTALLED ADJACENT TO SIDEWALKS AND/OR PEDESTRIAN ACCESS AREAS.

**STRUCTURAL NOTES FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS:**

**GENERAL**

1. ALL SUPPORT DESIGNS AND ASSOCIATED SHOP DRAWING REVIEWS SHALL BE IN CONFORMANCE WITH THE LATEST EDITION, OF THE AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS (THE "SPECIFICATIONS"), INCLUDING THE LATEST INTERIM SPECIFICATIONS, EXCEPT AS MODIFIED HEREIN.

**CONSTRUCTION DRAWINGS AND DETAILS**

1. THE FOLLOWING NOTES SHALL BE INCLUDED ON ALL PLANS AND/OR SHOP DRAWINGS IN REFERENCE TO ANCHOR BOLTS:
  - "PRETENSIONING OF ALL ANCHOR NUTS IS REQUIRED, AND SHALL BE ACCOMPLISHED BY TIGHTENING TO 1/6TH TURN BEYOND THE SNUG-TIGHT POSITION."
  - "THE MAXIMUM CLEARANCE BETWEEN THE BOTTOM OF THE LEVELING NUTS AND THE TOP OF THE CONCRETE IS CRITICAL AND SHALL NOT EXCEED THE AMOUNT SPECIFIED ON THIS DRAWING."
2. THE USE OF GROUT UNDER BASE PLATES SHALL GENERALLY NOT BE PERMITTED. IF SPECIFIC CONDITIONS WARRANT ITS USE, THE GROUT SHALL NOT BE CONSIDERED LOAD CARRYING; LOADS SHALL BE DIRECTLY SUPPORTED BY THE ANCHOR BOLTS. ADEQUATE DRAINAGE SHALL BE PROVIDED.
3. THE DAMPENING EFFECTS OF VIBRATION MITIGATION DEVICES SHALL NOT BE CONSIDERED IN THE DESIGN OF STRUCTURAL SUPPORTS FOR SIGNS AND TRAFFIC SIGNALS. IF THE CONTRACTOR CHOOSES TO USE THESE DEVICES FOR WARRANTY PURPOSES, THE TYPE OF DEVICES PROPOSED SHALL BE APPROVED BY THE DEPARTMENT PRIOR TO FABRICATION OF SUPPORTS.

**TRAFFIC SIGNAL NOTES:**

1. ALL SALVAGED TRAFFIC SIGNAL EQUIPMENT SHALL BE DELIVERED TO THE R.I.D.O.T. MAINTENANCE HEADQUARTERS, 360 LINCOLN AVENUE, WARWICK, RHODE ISLAND, 02888.
2. BACK PLATES SHALL BE INSTALLED ON ALL TRAFFIC SIGNAL HEADS.
3. THE CONTRACTOR SHALL SUPPLY AND INSTALL ON THE UPPER LEFT HAND CORNER OF THE BACK OF THE CONTROLLER CABINET DOOR A LAMINATED INTERSECTION GRAPHIC AND TABLE DEPICTING THE TRAFFIC DETECTOR RELAY CHANNEL ASSIGNMENTS. THE DIAGRAM SHALL BE A GRAPHIC OF THE INDIVIDUAL INTERSECTION ORIENTED SIMILAR TO THE PLANS SHOWING THE LOCATIONS OF EACH OF THE LOOP DETECTORS. THE DIAGRAM SHALL, AT A MINIMUM, INCLUDE DETECTOR NUMBERS, STREET NAME LABELS, NORTH ARROW, AND CONTROLLER CABINET LOCATION. THE ASSIGNMENT INFORMATION SHALL BE INCLUDED IN A TABLE WHICH SHALL INCLUDE, AT A MINIMUM, THE APPROACH NAME, DETECTOR NUMBER, TERMINAL NUMBER, DETECTOR RACK SLOT NUMBER, RELAY NUMBER, RELAY CHANNEL NUMBER, AND PHASE ASSOCIATED WITH EACH DETECTOR.
4. TRAFFIC CONTROLLER CABINETS, UNLESS OTHERWISE NOTED, SHALL BE NEMA TS2 TYPE 1 CABINET SIZE 6 ("P" TYPE) WITH NOMINAL DIMENSIONS OF 52"Hx44"Wx24"D.
5. ALL DELAY AND EXTENSION TIMES, AS CALLED FOR ON THE PLANS, FOR PROPOSED LOOP DETECTORS SHALL BE PROGRAMMED IN THE TRAFFIC SIGNAL CONTROLLER AND NOT THE DETECTOR RELAY.
6. A BARE GROUND WIRE SHALL BE PLACED IN ALL PVC CONDUITS AND SHALL BE BONDED TO GROUND RODS IN ACCORDANCE WITH SECTION T.03 OF THE RHODE ISLAND DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
7. THE FINAL POSITION OF SIGNAL HEADS, PEDESTRIAN PUSHBUTTONS, DETECTORS, AND STOP LINE AND CROSSWALK PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER IN THE FIELD ACCORDING TO ACTUAL INTERSECTION CHARACTERISTICS.
8. A 2' MINIMUM BUFFER SHALL BE PROVIDED BETWEEN THE CURB AND ALL LATERAL OBSTRUCTIONS (INCLUDING ALL SIGNAL POLES AND TRAFFIC/PEDESTRIAN SIGNAL HEADS) TO PROVIDE ADEQUATE CLEARANCE FOR TURNING VEHICLES.
9. ALL FOUNDATIONS MUST HAVE CONES OR BARRELS BOLTED TO FOUNDATION BASES UNTIL ACTUAL POLE IS INSTALLED.
10. WHEN PLACING TRAFFIC SIGNAL HANDHOLES OR CONDUIT IN EXISTING PORTLAND CEMENT CONCRETE SIDEWALKS, THE ENTIRE SIDEWALK SQUARE OF CONCRETE SHALL BE REPLACED IN ACCORDANCE WITH R.I. STD. 43.1.0. NO PATCHES WILL BE ALLOWED.
11. ALL PEDESTRIAN PUSHBUTTONS SHALL BE COMPLIANT WITH "THE AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES" (ADAAG) AND SHALL INCLUDE A PRESSURE-ACTIVATED (NON-MOVING) BUTTON. SIGNS APPLICABLE TO PUSHBUTTON ACTUATION SHALL BE INSTALLED SUCH THAT THE CROSSING ASSIGNED TO EACH BUTTON IS CLEARLY INDICATED. IF SITE CONDITIONS DO NOT ALLOW PEDESTRIAN PUSHBUTTONS TO BE INSTALLED WHERE CALLED FOR ON THE PLANS, THE R.I.D.O.T. TRAFFIC ENGINEERING UNIT SHALL BE CONSULTED WITH THROUGH AN R.F.I. PRIOR TO INSTALLING THE PUSHBUTTONS. THE FINAL PLACEMENT OF ALL PEDESTRIAN PUSHBUTTONS SHALL BE IN ACCORDANCE WITH ADAAG AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
12. ALL LOOP DETECTORS SHALL BE CENTERED WITHIN EACH LANE AS DELINEATED, UNLESS OTHERWISE DIMENSIONED ON PLANS.
13. ALL LOOP DETECTORS SHALL BE CUT INTO THE FINAL PAVEMENT SURFACE COURSE.
14. TRAFFIC SIGNAL CONTROLLERS SHALL BE WIRED SO THAT ANY FIRE PRE-EMPTION SHALL OVERRIDE MANUAL (PUSH BUTTON) OPERATION.
15. THE CONTRACTOR SHALL WORK CONTINUOUSLY TO RESTORE TRAFFIC SIGNAL OPERATION TO ITS INTENDED PURPOSE WHEN REPLACING THE TRAFFIC SIGNAL EQUIPMENT. A POLICE DETAIL IS REQUIRED TO DIRECT TRAFFIC AT THE INTERSECTION AT ALL TIMES WHEN THE TRAFFIC SIGNAL IS INOPERATIVE. AT NO TIME SHALL THE CONTRACTOR LEAVE THE SITE BEFORE RESTORING FULL TRAFFIC OPERATIONS.

**MAINTENANCE AND PROTECTION OF TRAFFIC NOTES:**

1. ALL MAINTENANCE AND PROTECTION OF TRAFFIC CONTROL SETUPS, SIGNS, CHANNELIZING DEVICES, ETC., SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
2. ALL SIGN MOUNTINGS FOR TEMPORARY AND CONSTRUCTION SIGNS SHALL BE IN ACCORDANCE WITH THE R.I.D.O.T. STANDARD SPECIFICATIONS, LATEST EDITION.
3. THE CONTRACTOR SHALL COVER ALL EXISTING AND/OR TEMPORARY SIGNS THAT ARE NOT RELEVANT TO THE TRAFFIC CONTROL REQUIRED DURING ANY PARTICULAR STAGE OF THE CONTRACT.
4. ADVANCE FLAGPERSON SIGNS (W20-7A) SHALL BE USED IN ADVANCE OF ANY POINT AT WHICH A FLAGPERSON OR A POLICE OFFICER HAS BEEN STATIONED TO CONTROL TRAFFIC. WHEN NEEDED, AN APPROPRIATE DISTANCE MESSAGE MAY BE DISPLAYED ON A SUPPLEMENTAL PLATE (24"x18") BELOW THE FLAGPERSON SYMBOL SIGN. THE SIGN SHALL BE PROMPTLY REMOVED OR COVERED WHENEVER THE FLAGPERSON IS NOT AT THE STATION.
5. POLICE OFFICERS (AND NOT FLAGPERSONS) SHALL BE UTILIZED WHEN WORK WILL IMPACT SIGNALIZED INTERSECTIONS AND LIMITED ACCESS HIGHWAYS.
6. POLYETHYLENE DRUMS SHALL BE UTILIZED AS A CHANNELIZING DEVICE WHEN A TRAFFIC CONTROL SET-UP IS TO REMAIN BEYOND WORKING HOURS WHEN NO WORKERS ARE PRESENT. CONES SHALL BE UTILIZED WHEN A TRAFFIC CONTROL SET-UP IS TO REMAIN ONLY DURING WORKING HOURS AND IS SUBSEQUENTLY BROKEN DOWN AT THE END OF THE WORKDAY.
7. ARROW PANELS SHALL BE SET IN THE FLASHING FOUR CORNERS CAUTION MODE UNLESS UTILIZED FOR A MERGING TAPER. ARROW PANELS SET IN THE FLASHING ARROW MODE SHALL NOT BE UTILIZED FOR LANE SHIFTS.
8. TEMPORARY CONSTRUCTION SIGNS AND OTHER WORKZONE TRAFFIC CONTROL DEVICES THAT ARE DAMAGED OR REQUIRE RELOCATION SHALL BE REPLACED AND / OR RELOCATED UNDER THE PAY ITEM FOR "MAINTENANCE AND MOVEMENT TRAFFIC PROTECTION."
9. THE PRIVATE VEHICLES OF CONSTRUCTION WORKERS SHALL NOT BE PARKED ON THE TRAVEL LANES OR SHOULDERS. THEY MAY BE PARKED WITHIN THE STATE RIGHT-OF-WAY ONLY IN AREAS 30' BEYOND THE OUTSIDE EDGE OF THE TRAVEL LANES AND/OR IN AREAS APPROVED BY THE ENGINEER.
10. TEMPORARY CONSTRUCTION SIGNS AND OTHER TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE INSTALLED PRIOR TO THE START OF WORK IN ANY AREA OPEN TO TRAFFIC, AND SHALL BE REMOVED AS SOON AS PRACTICAL WHEN THEY ARE NO LONGER APPROPRIATE.
11. THE INTENDED VEHICLE PATHS THROUGH EACH WORK ZONE SHALL BE CLEARLY MARKED AT ALL TIMES. WATERBORNE PAVEMENT MARKINGS SHALL BE INSTALLED BEFORE THE END OF THE WORK SHIFT ON ALL COLD-PLAINED AND NEW ROADWAY SURFACES THAT WILL BE OPENED TO TRAFFIC AT THE END OF THE SHIFT.



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CRANSTON

SEASONS CORNER MARKET  
PLAINFIELD PIKE (ROUTE 14)  
IMPROVEMENTS

RHODE ISLAND

STANDARD NOTES - 2

**JOB SPECIFIC LEGEND:**

- 6BW** 6" BROKEN WHITE LANE LINE MARKING – SEE DETAIL
- 8Y** 8" EPOXY RESIN PAVEMENT MARKINGS – YELLOW
- 20.1.0** PAVEMENT MARKINGS ARROWS AND ONLY
- 20.4.0** PAVEMENT MARKINGS – YIELD LINE
- 24.2.0** SIGN POST SELECTION AND INSTALLATION DETAILS U CHANNEL POST (SIGNS UP TO 8'-0"W X 4'-0"H)
- 30.1.1** POST SELECTION TABLE FOR BREAKAWAY SIGNS (SIGNS 6'-0"W X 4'-0"H AND GREATER)
- CCM** 6" CEMENT CONCRETE MEDIAN
- CW** CROSSWALK PAVEMENT MARKINGS – SEE DETAIL
- DCM** REMOVE AND DISPOSE CONCRETE MEDIAN
- FDP** FULL DEPTH PAVEMENT  
2" MODIFIED CLASS 12.5 HMA  
6" CLASS 19 HMA  
12" GRAVEL BORROW SUBBASE COURSE
- IP** INLET PROTECTION
- MM (x")** MICROMILL (DEPTH)
- OV** OVERLAY  
2" MODIFIED CLASS 12.5 HMA

**TRAFFIC SIGNAL SYMBOL LEGEND**

- EXISTING CONTROLLER CABINET
- EXISTING HANDHOLE
- EXISTING TRAFFIC SIGNAL HEAD
- EXISTING PEDESTRIAN SIGNAL HEAD
- EXISTING PEDESTRIAN PUSH BUTTON
- EXISTING CONDUIT
- EXISTING SPAN OR PEDESTAL POLE
- EXISTING MAST ARM POLE
- EXISTING LOOP DETECTOR
- EXISTING OVERHEAD SIGN
- EXISTING OPTICAL DETECTOR
- EXISTING VIDEO DETECTION ZONE

**TYPICAL SIGN DESIGNATION SYMBOL**

- MUTCD SIGN DESIGNATION NUMBER (SIZE)  
SIGN MOUNTING:
- 24.2.0 = R.I. STD. 24.2.0
- 24.2.0R = R.I. STD. 24.2.0 WITH REFLECTIVE SIGN POST (SEE DETAIL)
- 24.6.0 = R.I. STD. 24.6.0
- 24.6.4 = R.I. STD. 24.6.4
- 30.1.1 = R.I. STD. 30.1.1
- EXIST. = MOUNTED ON EXISTING SIGN STRUCTURE
- MAST ARM = MOUNTED OVERHEAD ON MAST ARM
- POLE = ATTACHED TO TRAFFIC SIGNAL POLE
- SPAN = MOUNTED OVERHEAD ON SPAN SIGN STRUCTURE

**GENERAL NOTES - SIGNS:**

1. ALL NEW DIRECTIONAL, REGULATORY, WARNING, GUIDE SIGNS AND PARKING SIGNS SHALL HAVE SIGN SUPPORTS. UNLESS OTHERWISE INDICATED, SIGN MOUNTINGS SHALL BE R.I. STD. 24.2.0 OR 24.6.0 AS APPROPRIATE.
2. PRIOR TO INSTALLATION, ALL SIGNS, MOUNTINGS AND LOCATIONS SHALL BE APPROVED OR MODIFIED BY THE RIDOT.
3. ALL SIGN RADII AND BORDERS SHALL BE AS SPECIFIED IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AS AMENDED.

**GENERAL NOTES - PAVEMENT MARKINGS:**

1. ALL PERMANENT PAVEMENT MARKINGS FOR THIS PROJECT SHALL BE EPOXY RESIN. PAVEMENT MARKINGS SHALL BE PLACED ON THE FINAL SURFACE COURSE NO SOONER THAN 2 WEEKS BUT NO LONGER THAN 4 WEEKS FROM COMPLETION OF PAVING OPERATIONS.
2. THE LOCATION OF PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) 2009 EDITION, AS AMENDED.
3. WHERE EXISTING PAVEMENT MARKINGS CONFLICT WITH PROPOSED PAVEMENT MARKINGS, EXISTING MARKINGS SHALL BE REMOVED BY METHOD APPROVED BY THE RIDOT.
4. LIMITS OF PROPOSED PAVEMENT MARKINGS SHALL MEET EXISTING STRIPING, UNLESS OTHERWISE NOTED.
5. CONTRACTOR SHALL VERIFY AND RECORD PAVEMENT MARKING LOCATIONS PRIOR TO ANY PAVEMENT REMOVAL. MARKINGS SHALL BE REPLACED IN ORIGINAL LOCATIONS UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
6. FAST-DRYING WATERBORNE TRAFFIC MARKINGS SHALL BE USED ON MICRO MILLED SURFACES AND INTERMEDIATE PAVEMENT LAYERS WHICH WILL BE OPENED TO TRAFFIC AT THE COMPLETION OF EACH DAY'S PAVING OPERATION.
7. TEMPORARY WATERBORNE PAVEMENT MARKINGS SHALL BE PLACED ON THE FINAL SURFACE COURSE LAYER WHICH WILL BE OPENED TO TRAFFIC AT THE COMPLETION OF EACH DAY'S PAVING OPERATION.

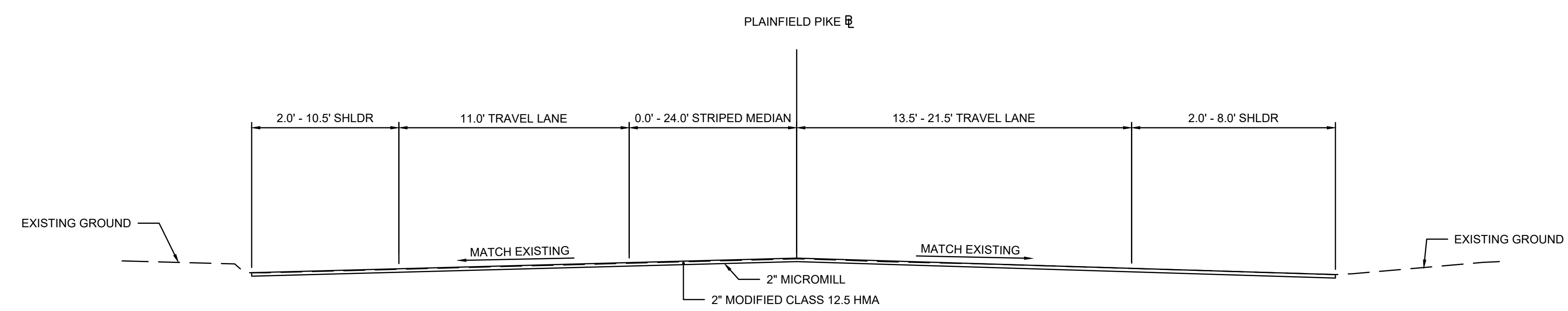
**DRAINAGE AND EROSION CONTROL NOTES**

1. SILT SACK INLET PROTECTION DEVICES SHALL BE USED FOR ALL FRAME AND GRATES WITHIN THE PROJECT LIMITS.

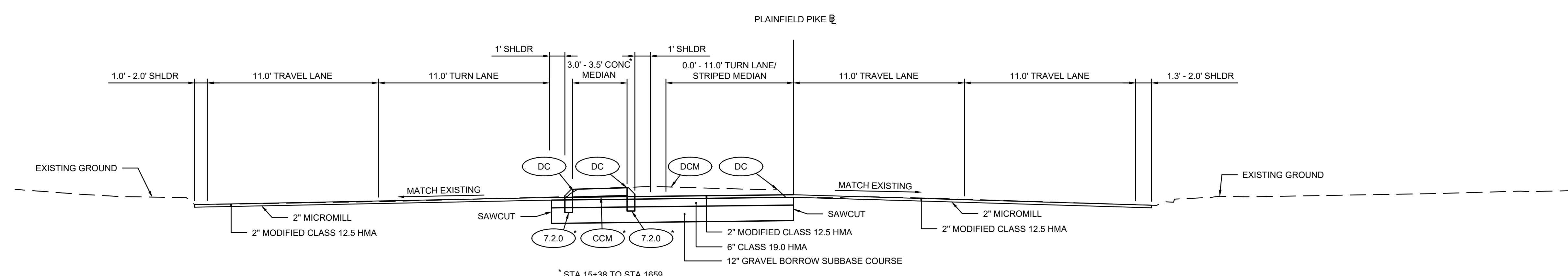
**GENERAL NOTES - UTILITIES:**

1. ANY CURB STOPS LOCATED IN THE FIELD NOT SHOWN ON THE EXISTING SURVEY SHALL BE ADJUSTED TO GRADE IF IN CONFLICT WITH PROPOSED CURBING OR DRAINAGE STRUCTURE, CURB STOPS SHALL BE RELOCATED.

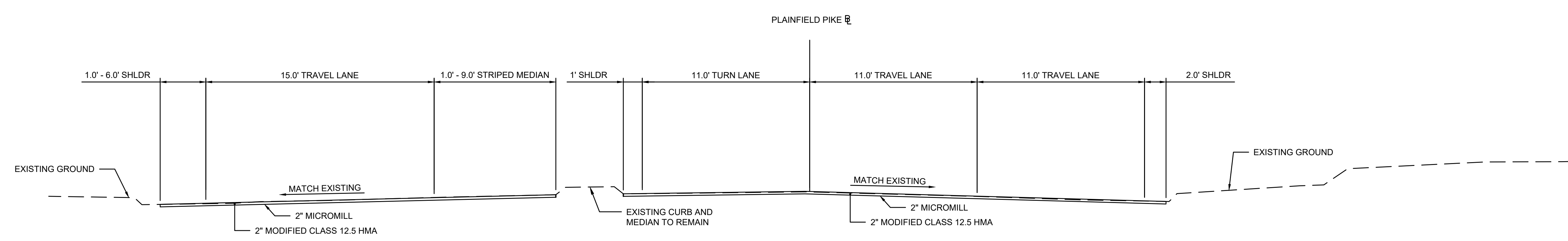
REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY



STATION 11+00 TO STATION 14+68  
PLAINFIELD PIKE  
SCALE: 1"=4'



STATION 14+68 TO STATION 16+59  
PLAINFIELD PIKE  
SCALE: 1"=4'



STATION 16+59 TO STATION 18+33  
PLAINFIELD PIKE  
SCALE: 1"=4'



COLBEA ENTERPRISES, LLC

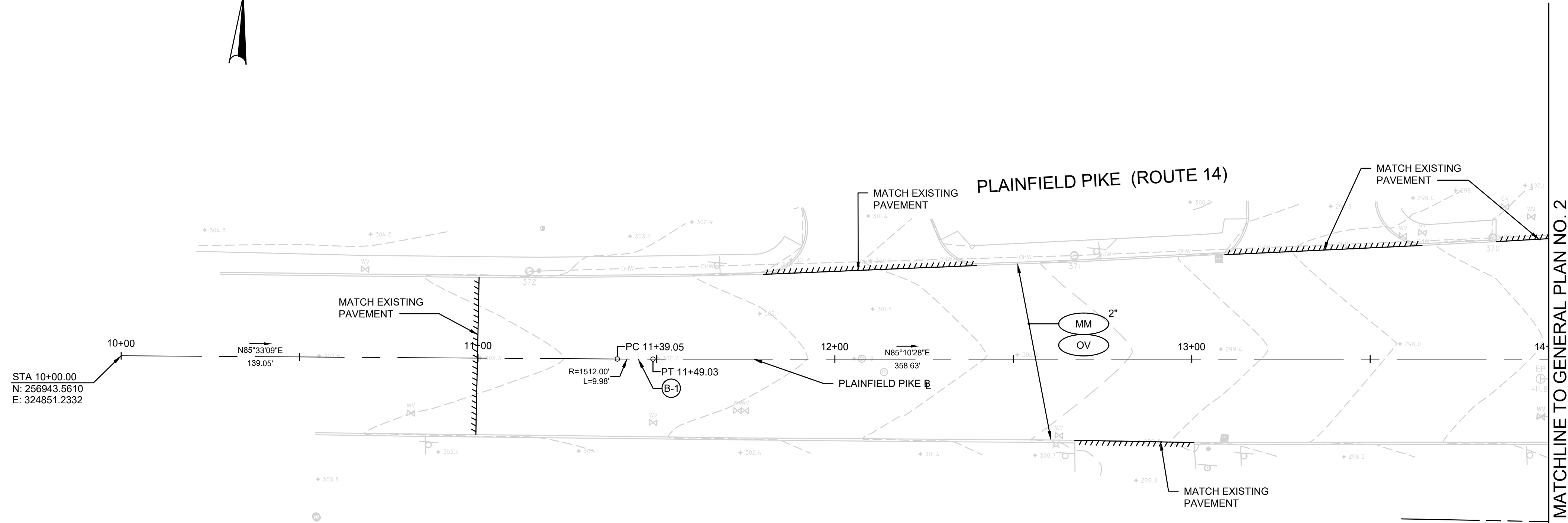
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DATE:  
SHEET: 5  
OF:

SCALE: 1"=4'

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

SEASONS CORNER MARKET  
PLAINFIELD PIKE (ROUTE 14)  
IMPROVEMENTS

TYPICAL SECTIONS



STA 10+00.00  
N: 256943.5610  
E: 324851.2332

CONSTRUCTION BASELINE COORDINATE DATA			
CURVE	DESCRIPTION	NORTHING	EASTING
B-1	PC 11+39.05	256954.3433	324989.8609
	PI	256954.7302	324994.8355
	PT 11+49.03	256955.1500	324999.8075
	CC	258461.7905	324872.6134

BASELINE CURVE TABLE				
CURVE	RADIUS	LENGTH	TANGENT	DELTA
B-1	1512.00	9.98	4.99	000°22'41"



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DESIGNED BY:  
CHECKED BY:  
DATE:  
SHEET: 6  
OF:

SCALE: 1"=20'

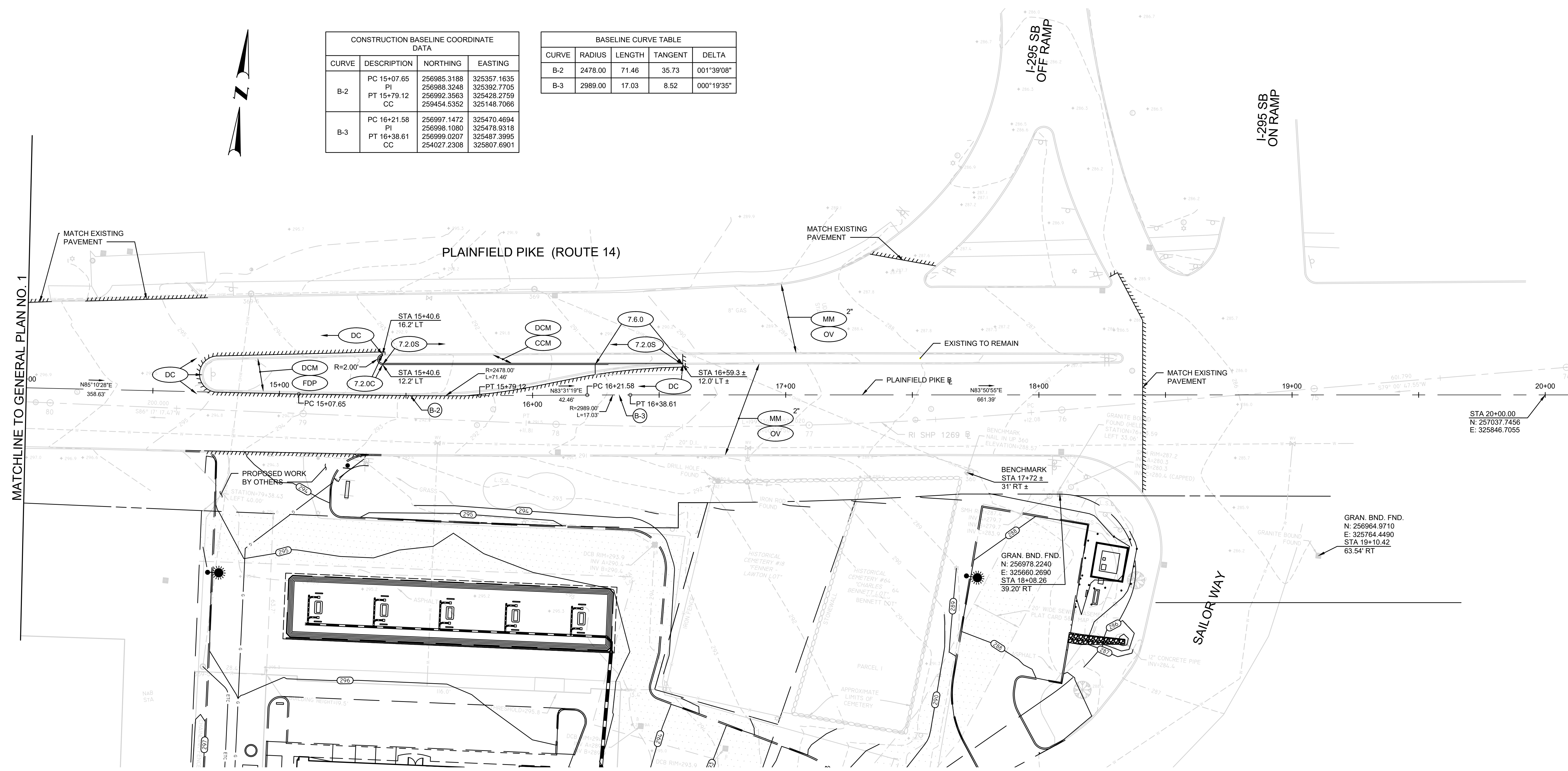
REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

SEASONS CORNER MARKET  
PLAINFIELD PIKE (ROUTE 14)  
IMPROVEMENTS

GENERAL PLAN NO. 1

CONSTRUCTION BASELINE COORDINATE DATA			
CURVE	DESCRIPTION	NORTHING	EASTING
B-2	PC 15+07.65	256985.3188	325357.1635
	PI	256988.3248	325392.7705
	PT 15+79.12	256992.3563	325428.2759
	CC	259454.5352	325148.7066
B-3	PC 16+21.58	256997.1472	325470.4694
	PI	256998.1080	325478.9318
	PT 16+38.61	256999.0207	325487.3995
	CC	254027.2308	325807.6901

BASELINE CURVE TABLE				
CURVE	RADIUS	LENGTH	TANGENT	DELTA
B-2	2478.00	71.46	35.73	001°39'08"
B-3	2989.00	17.03	8.52	000°19'35"



1 Cedar Street  
 Suite 400  
 Providence, RI 02903  
 401.272.8100

COLBEA ENTERPRISES, LLC

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 CHECKED BY:  
 DATE:  
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 OF:

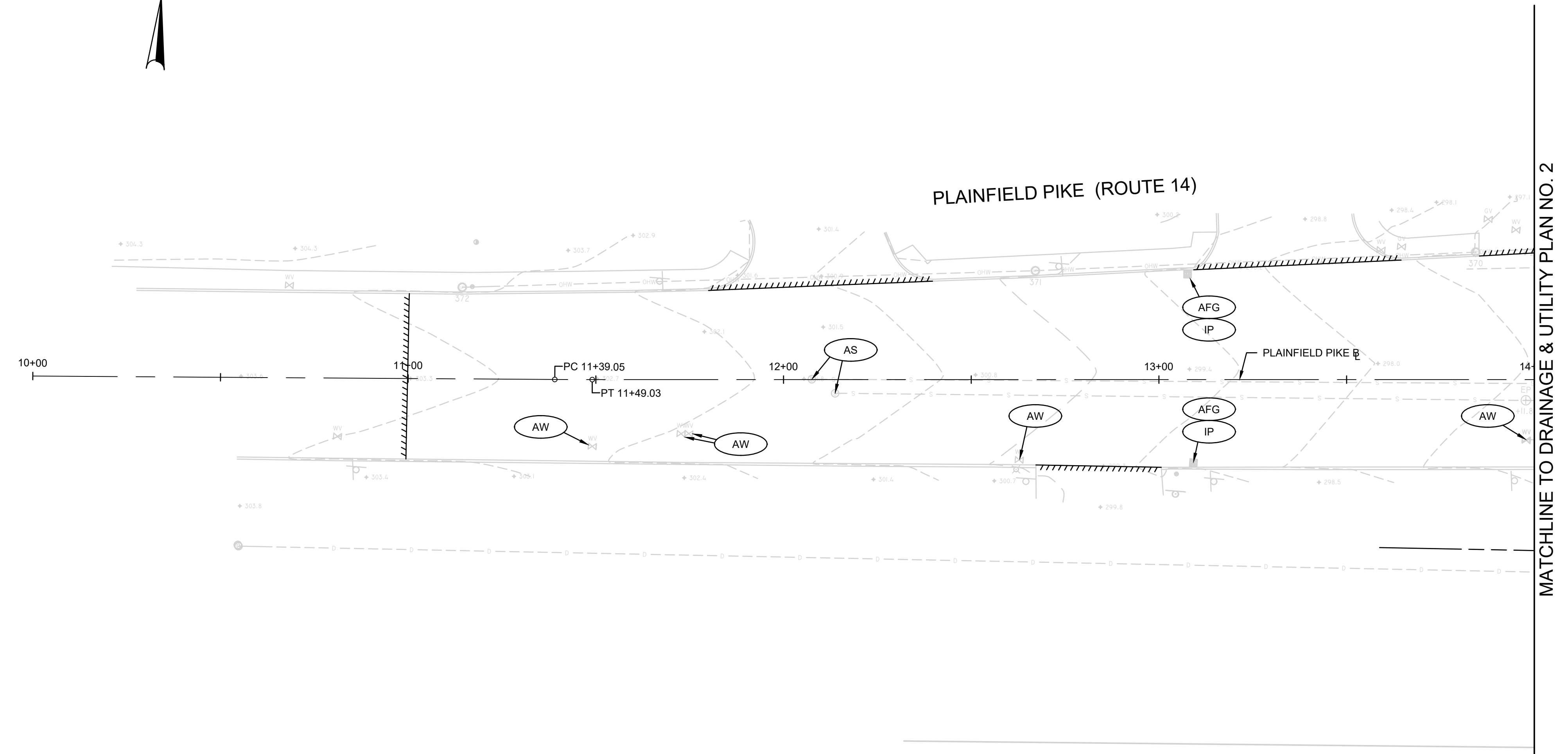
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SCALE IN FEET

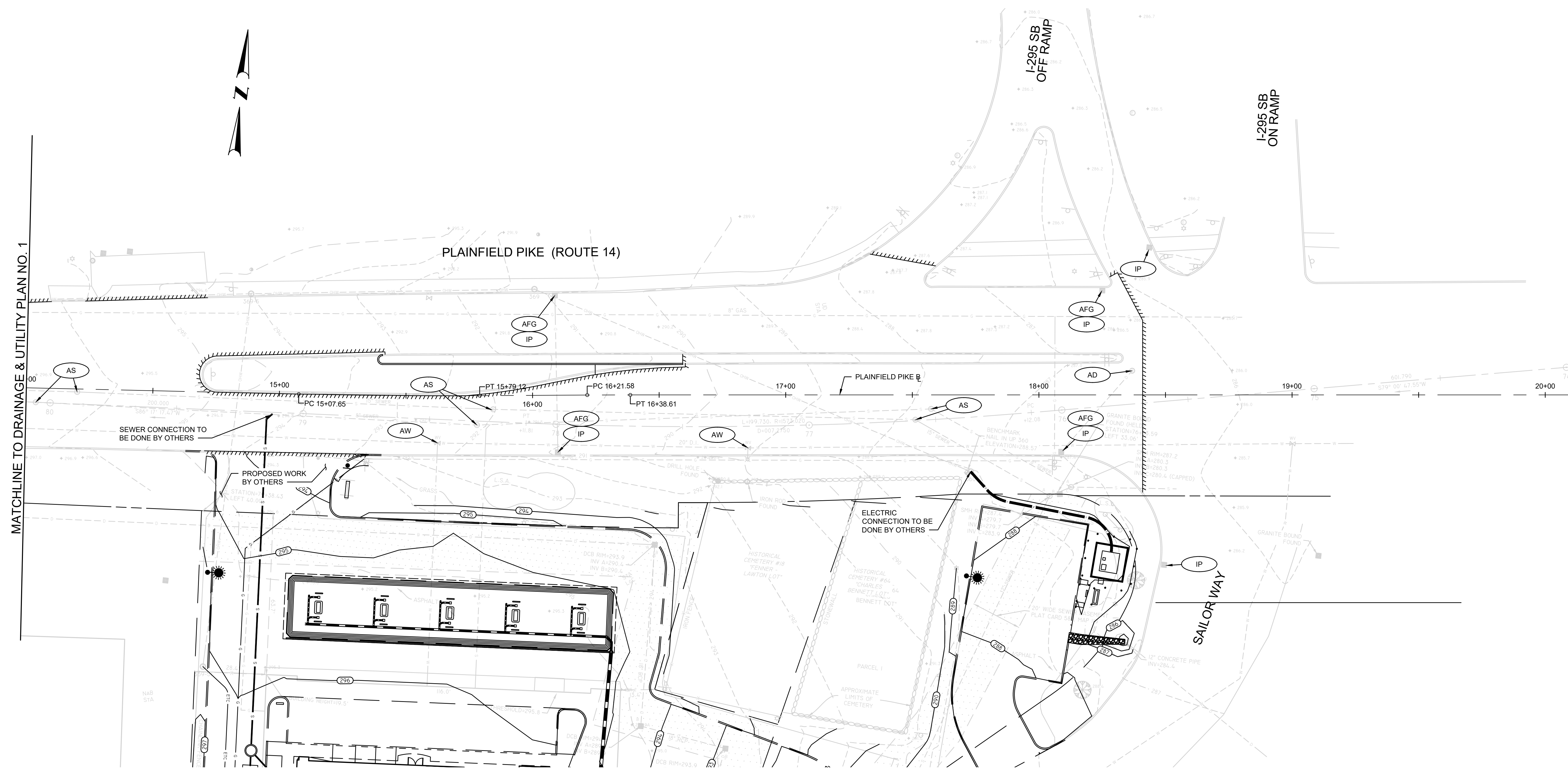
REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

SEASONS CORNER MARKET  
 PLAINFIELD PIKE (ROUTE 14)  
 IMPROVEMENTS  
 CRANSTON RHODE ISLAND

GENERAL PLAN NO. 2







MATCHLINE TO DRAINAGE & UTILITY PLAN NO. 1





 1 Cedar Street  
 Suite 400  
 Providence, RI 02903  
 401.272.8100

COLBEA ENTERPRISES, LLC

DESIGNED BY:  
 CHECKED BY:  
 DATE:  
 SHEET: 9  
 OF:

SCALE: 1"=20'



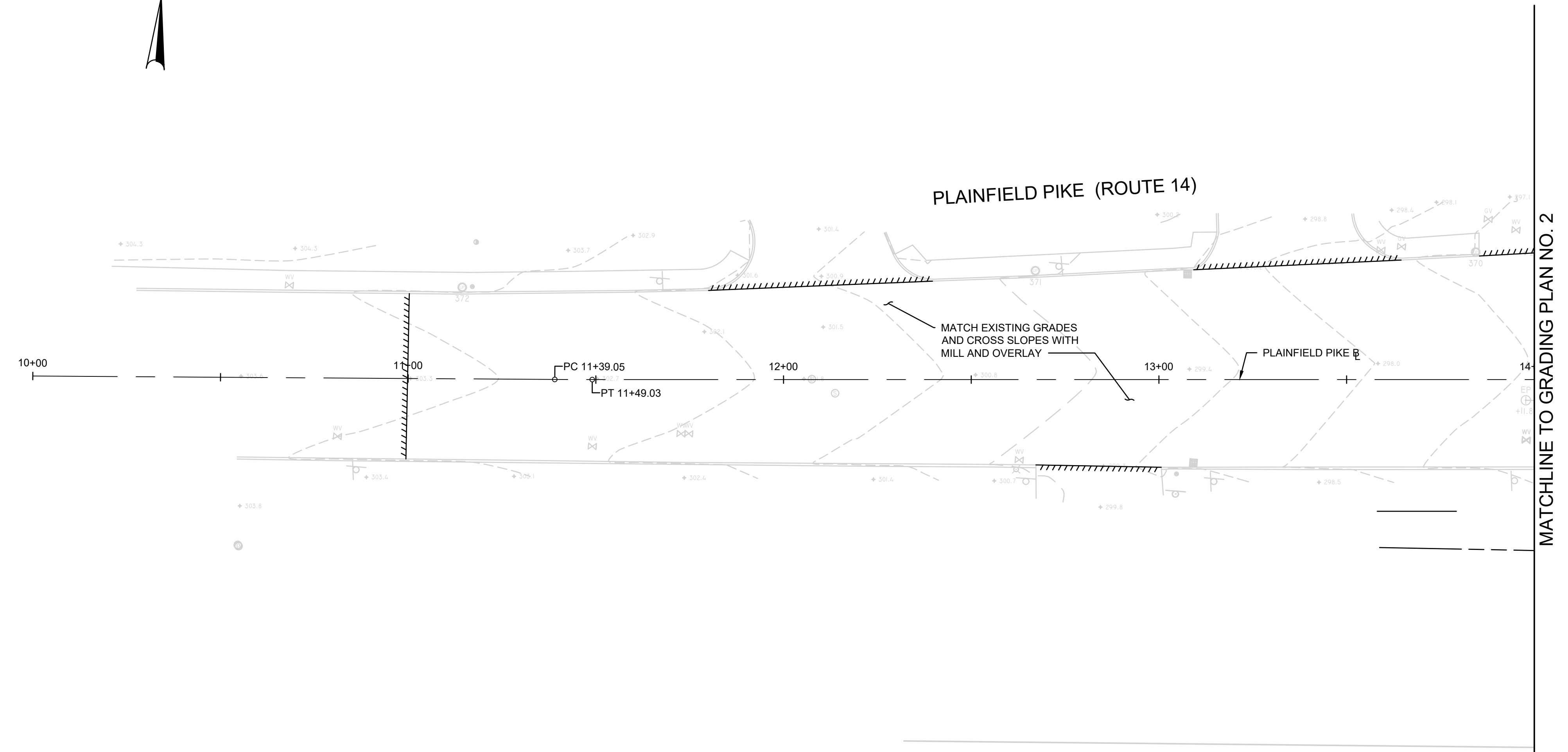
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NO.	DATE	BY	NO.	DATE	BY

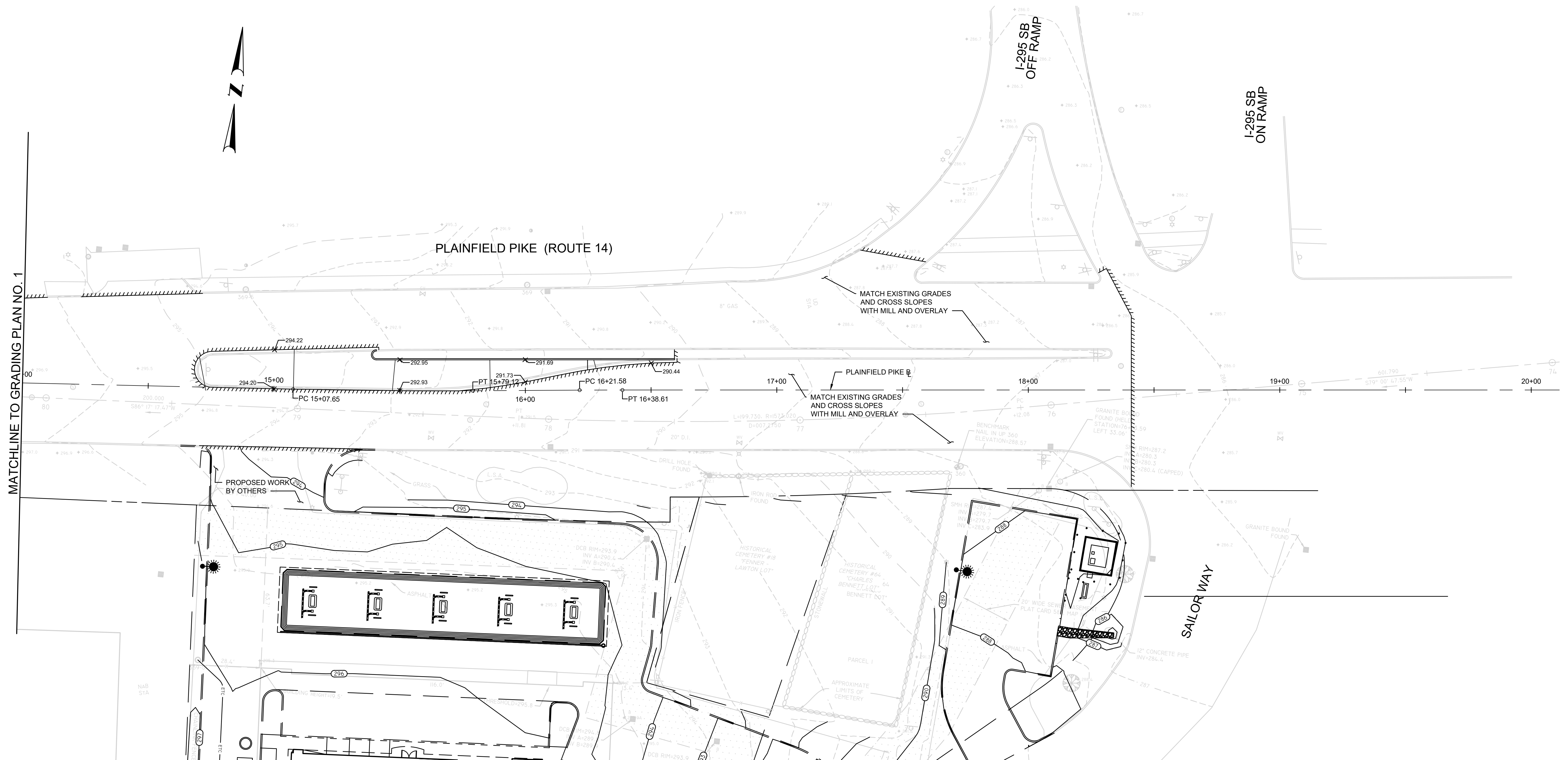
SEASONS CORNER MARKET  
 PLAINFIELD PIKE (ROUTE 14)  
 IMPROVEMENTS

CRANSTON

RHODE ISLAND

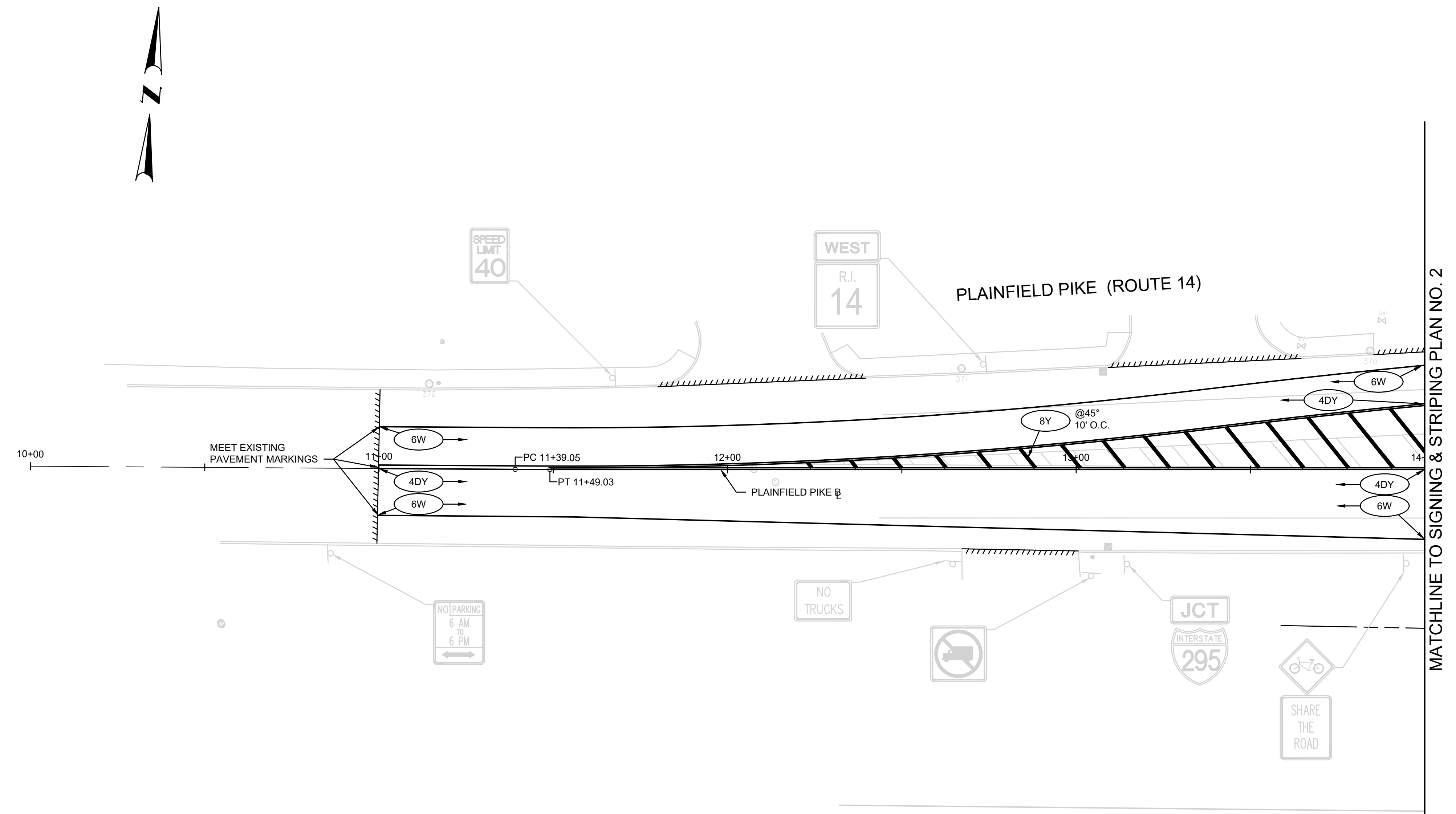
DRAINAGE & UTILITY PLAN NO. 2

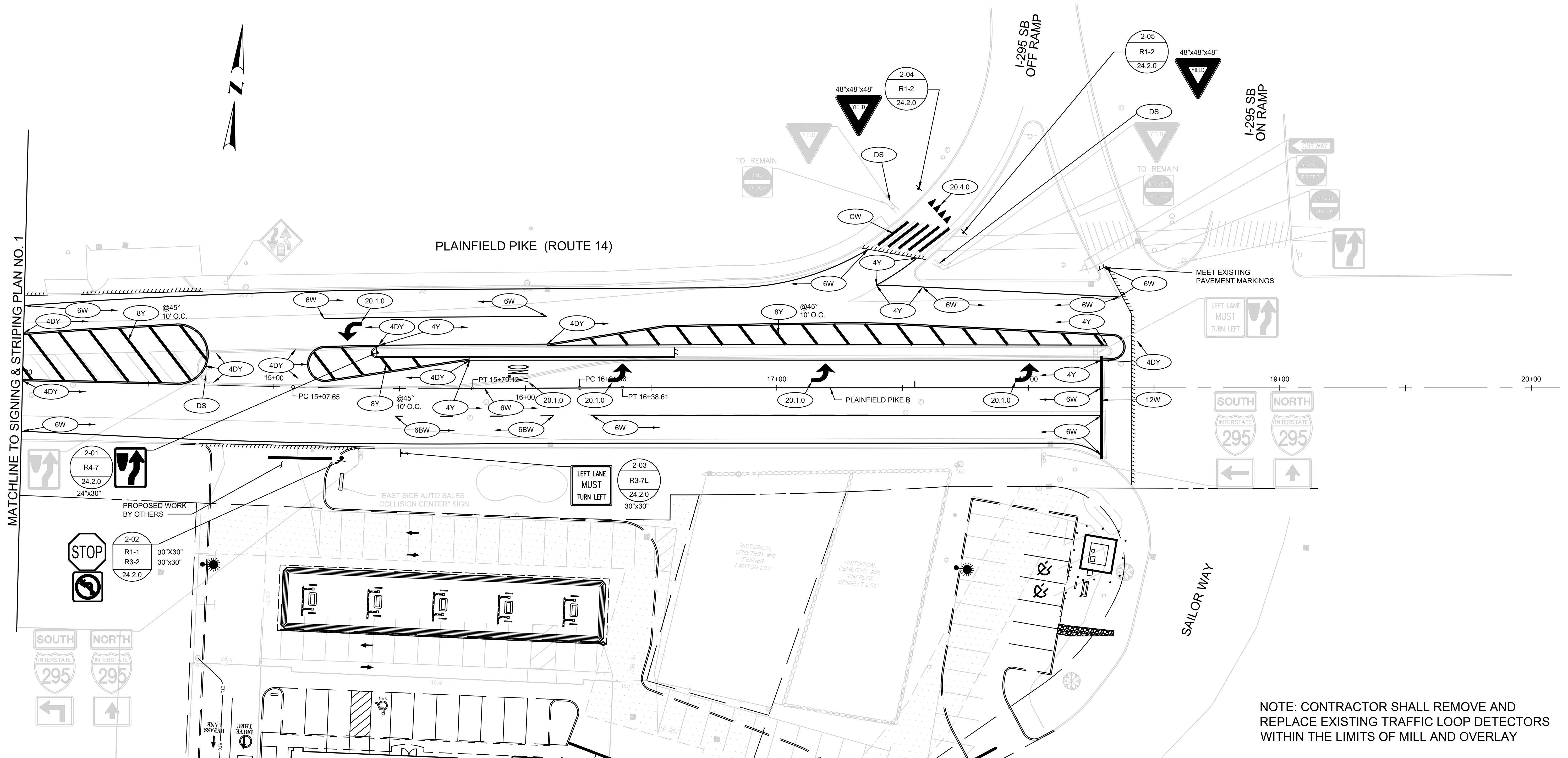




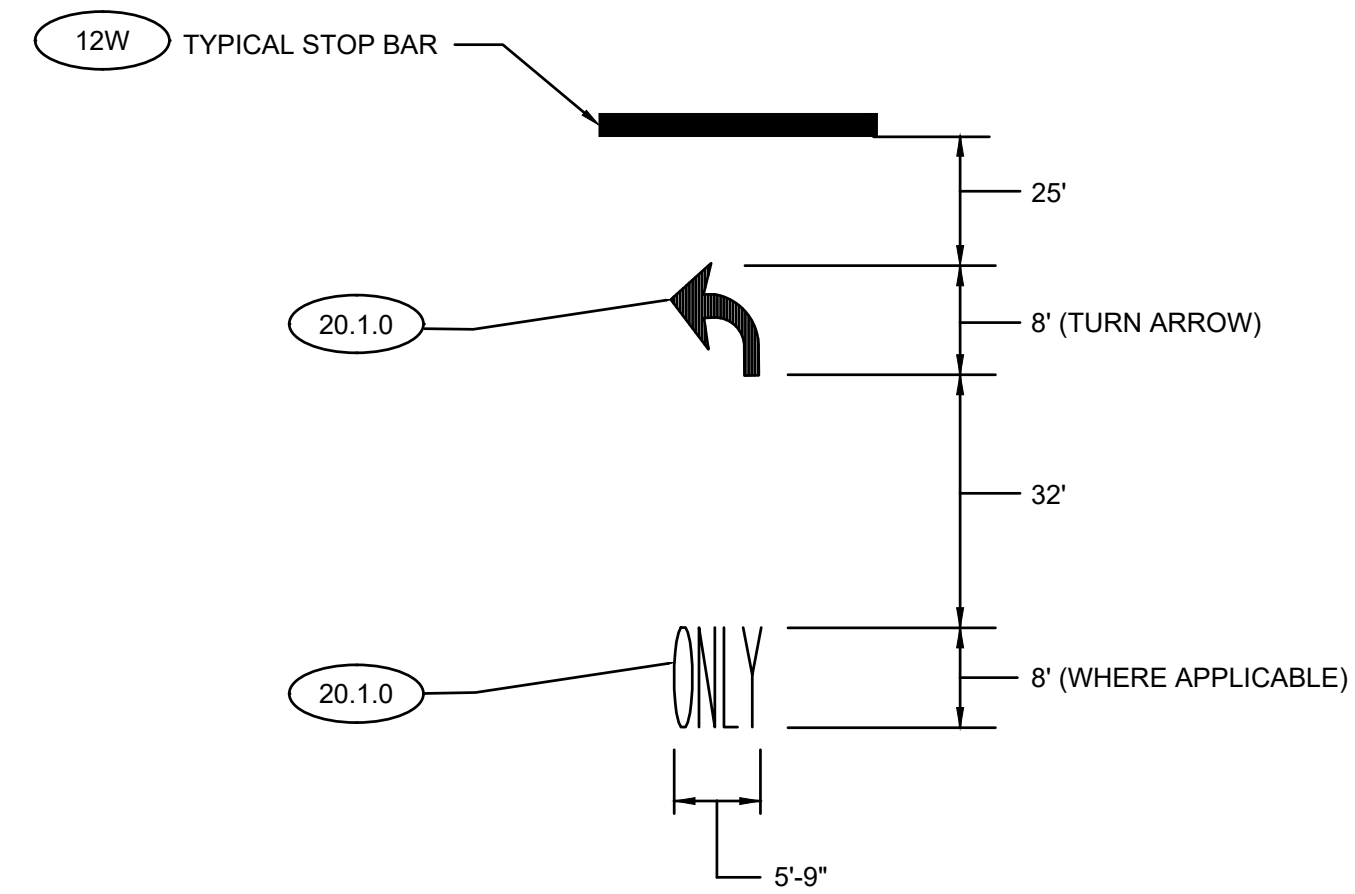
MATCHLINE TO GRADING PLAN NO. 1



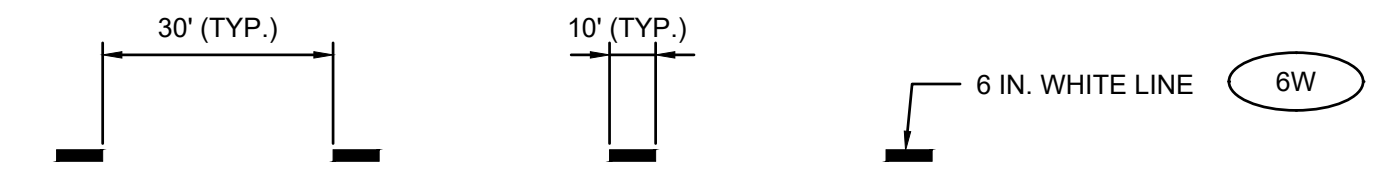




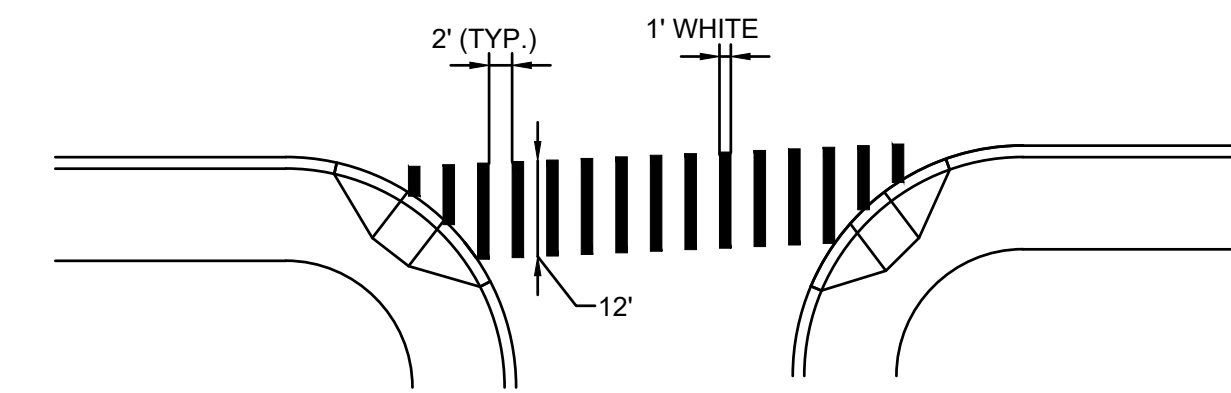
NOTE: CONTRACTOR SHALL REMOVE AND REPLACE EXISTING TRAFFIC LOOP DETECTORS WITHIN THE LIMITS OF MILL AND OVERLAY



**TURN LANE MARKING LAYOUT**  
NOT TO SCALE



**BROKEN WHITE LANE MARKING DETAIL**  
NOT TO SCALE



NOTE:  
1. CROSSWALK STRIPES SHALL BE INSTALLED PARALLEL WITH THE DIRECTION OF TRAVEL OF THE CROSSING.

**TYPICAL CROSSWALK STRIPING DETAIL**  
NOT TO SCALE

**TRAFFIC CONTROL GENERAL NOTES:**

- SEE RHODE ISLAND STANDARD 27.1.1 FOR SIGN DIMENSIONS AND PLACEMENT FOR WORK ZONE TRAFFIC FINES SIGN.
- CONE SPACING SHALL BE 10' O.C. WITHIN SHOULDER AND LANE TAPERS AND TRANSITION AREAS AND 20' O.C. WITHIN ALL OTHER AREAS, UNLESS OTHERWISE NOTED.
- ALL CONES SHALL CONFORM TO R.I. STANDARD 26.1.0.
- 11' MINIMUM LANE WIDTHS SHALL BE MAINTAINED UNLESS OTHERWISE NOTED ON THE PLANS.
- ALL MAINTENANCE AND PROTECTION OF TRAFFIC SETUPS SHALL BE IN CONFORMANCE WITH THE 2009 EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.) AND RHODE ISLAND DEPARTMENT OF TRANSPORTATION GUIDELINES.
- ALL TRAFFIC CONTROL SETUPS SHALL BE COORDINATED WITH ADJACENT CONCURRENT CONSTRUCTION CONTRACTS TO DETERMINE IF SIGNS AND SETUPS SPECIFIED ARE APPROPRIATE.
- ALL TEMPORARY CONSTRUCTION SIGNS SHALL HAVE BLACK LEGEND ON ORANGE BACKGROUND AND SHALL BE INSTALLED ACCORDING TO THE RHODE ISLAND STANDARDS 24.3.0 & 29.1.0.
- ALL TRAFFIC CONTROL DEVICES, UNLESS OTHERWISE NOTED, SHALL CONFORM TO APPLICABLE SPECIFICATIONS OF THE M.U.T.C.D. PART 6, 2009 EDITION AND STANDARD HIGHWAY SIGNS, CURRENT EDITIONS. ALL SIGNS AND CONES SHALL BE REFLECTORIZED.
- EXISTING OR TEMPORARY SIGNS WHICH ARE IN CONFLICT WITH DAILY TRAFFIC MANAGEMENT SETUPS SHALL BE COVERED. IMMEDIATELY PRIOR TO COMPLETION, CONTRACTOR SHALL UNCOVER SIGNS AS DIRECTED BY THE ENGINEER. TEMPORARY CONSTRUCTION SIGNS INSTALLED BY THE CONTRACTOR SHALL BE REMOVED OR COVERED WHEN NOT IN USE.
- WORKERS SHALL WEAR RETROREFLECTIVE PERSONAL PROTECTIVE EQUIPMENT (PPE) IN ACCORDANCE WITH THE MUTCD AND FHWA REQUIREMENTS.
- ANY CONSTRUCTION SIGNS THAT ARE PLACED BEHIND CHANNELIZING DEVICES MUST BE MOUNTED AT A HEIGHT THAT WILL MAKE THEM VISIBLE TO MOTORISTS.
- SIGNS INSTALLED ON PORTABLE STANDS REQUIRE 12 INCH MINIMUM MOUNTING HEIGHT ABOVE THE ROADWAY SURFACE TO THE BOTTOM OF THE SIGN.
- TYPICAL LANE CLOSURE DETAILS DEPICT THE MINIMAL REQUIREMENTS FOR MAINTENANCE OF TRAFFIC. THE DETAILS SHALL BE USED AS A GUIDE TO PROVIDE TRAFFIC MANAGEMENT FOR DAILY OPERATIONS AND MAY BE MODIFIED AT THE DISCRETION OF THE RIDOT.
- POLICE DETAILS/FLAGGERS SHALL ASSIST WITH TRAFFIC CONTROL INCLUDING ASSISTING PEDESTRIANS AND ANY OVERSIZED VEHICLES TO SAFELY PASS THROUGH THE WORK ZONE, AS NEEDED.
- TO MINIMIZE THE IMPACTS TO TRAFFIC FLOW, THE CONTRACTOR SHALL LIMIT THE WORK AREA TO THE ACTUAL LIMIT OF WORK WITHIN THE ALLOWED WORK ZONES AND SHALL NOT TAKE THE ENTIRE WORK ZONE UNLESS IT IS REQUIRED FOR THE SPECIFIC ITEMS OF WORK BEING PERFORMED AND IS APPROVED BY THE ENGINEER.
- THE ENGINEER SHALL NOTIFY EACH ADJUTTER APPROXIMATELY 48 TO 72 HOURS IN ADVANCE OF THE START OF ANY WORK THAT WILL REQUIRE THE TEMPORARY CLOSURE OR RESTRICTION OF ACCESS.
- SAFE ACCESS AND EGRESS TO ALL DRIVEWAYS AND STREETS MUST BE MAINTAINED AT ALL TIMES UNLESS OTHERWISE APPROVED BY THE ENGINEER.
- LIGHTING UNITS SHALL BE REQUIRED FOR ALL NIGHT-TIME CONSTRUCTION OPERATIONS IN ACCORDANCE WITH THE RHODE ISLAND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION OR AS DIRECTED BY THE RIDOT.
- THE CONTRACTOR SHALL SECURE WORK AREAS TO PREVENT UNAUTHORIZED ACCESS AT ALL TIMES.
- TEMPORARY CONSTRUCTION SIGNS AND TRAFFIC CONTROL SHALL BE IN PLACE PRIOR TO THE START OF WORK IN ANY AREA OPEN TO TRAFFIC.
- ALL TEMPORARY CONSTRUCTION SIGNS SHALL BE REMOVED OR COVERED WHEN NOT REQUIRED.
- AT NO TIME SHALL CONES OR BARRICADES BE ALLOWED TO COVER PAVEMENT MARKINGS OR EXTEND INTO ANY OPEN TRAVEL LANE.
- POLICE OFFICER AHEAD W20-7(MOD) SIGNS SHALL BE UTILIZED IF A POLICE OFFICER IS ACTIVELY CONTROLLING TRAFFIC.
- AT NO TIME SHALL PERSONAL VEHICLES OR UNNECESSARY CONSTRUCTION EQUIPMENT BE LOCATED WITHIN THE RIDOT RIGHT-OF-WAY.
- TRAFFIC CONTROL SETUPS SHOWN MAY NEED TO BE ADJUSTED/MODIFIED AND APPROVED BY THE RIDOT TO ACCOMMODATE VARIOUS PHASES OF CONSTRUCTION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING APPROPRIATE TRAFFIC CONTROL DEVICES AS NEEDED DURING CONSTRUCTION. ALL TRAFFIC CONTROL SHALL BE APPROVED BY THE RIDOT.
- THE CONTRACTOR SHALL REMOVE PAVEMENT MARKINGS (BY APPROVED METHODS) AS NECESSARY PRIOR TO THE START OF A NEW CONSTRUCTION PHASE, AS SHOWN ON THE PLANS OR AS DIRECTED BY THE RIDOT.
- SYMBOLS SHOWN FOR SIGNS AND TYPE III BARRICADES ARE GRAPHICAL ONLY. WHERE SIDEWALKS ARE TO REMAIN OPEN, SIGNS AND BARRICADES SHALL BE LOCATED TO PROVIDE A MINIMUM CLEAR PEDESTRIAN PATH OF 48" (EXCLUDING CURB).
- TRUCK MOUNTED ATTENUATORS ON ROADWAYS WITH A POSTED SPEED OF 30 MPH OR LESS MAY BE USED AT CONTRACTOR'S OPTION. AT ALL OTHER LOCATIONS, TRUCK MOUNTED ATTENUATORS WILL BE REQUIRED AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL PROVIDE CLEAR ZONES AROUND TRUCK MOUNTED IMPACT ATTENUATOR DEVICES AS REQUIRED BY THE MANUFACTURER.

**TRAFFIC CONTROL PLANS SYMBOL LEGEND:**

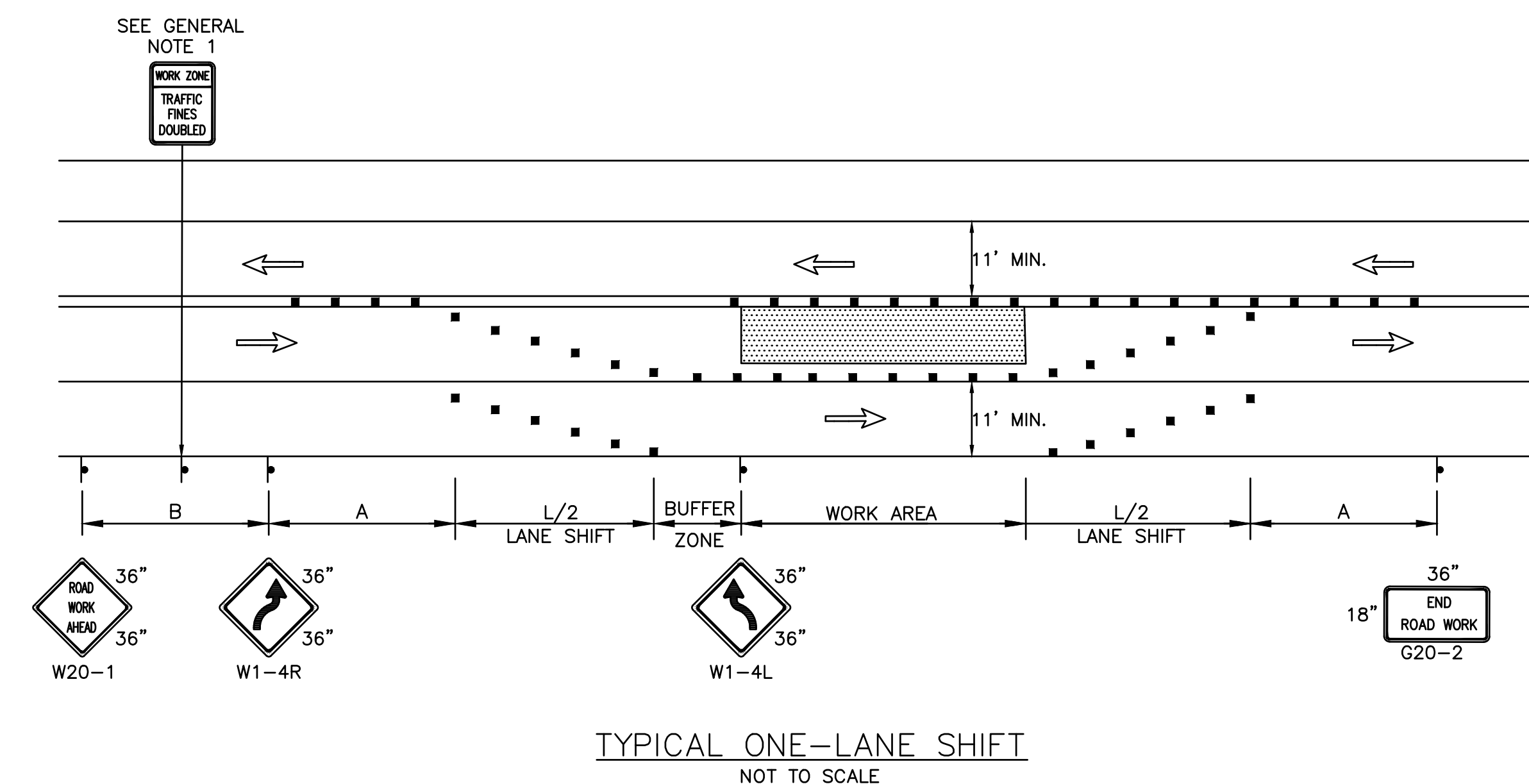
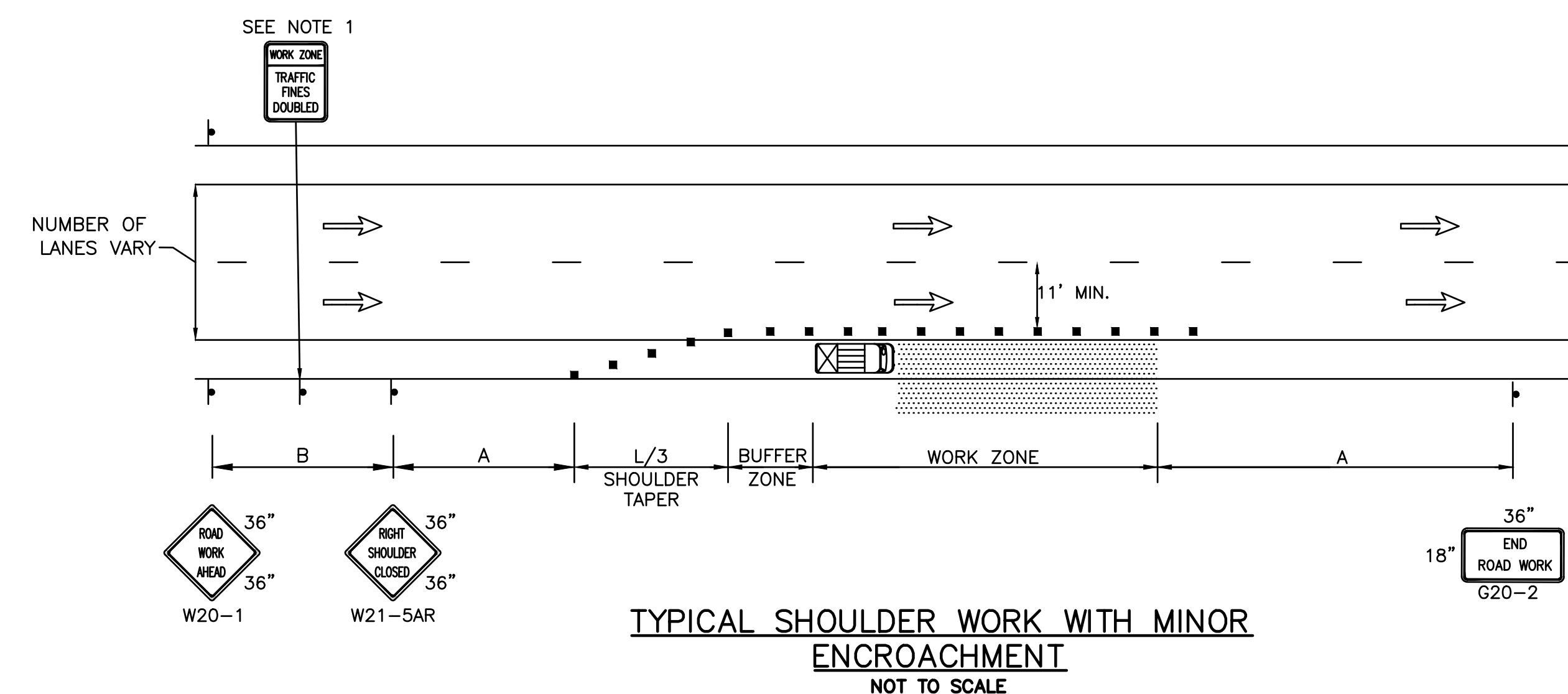
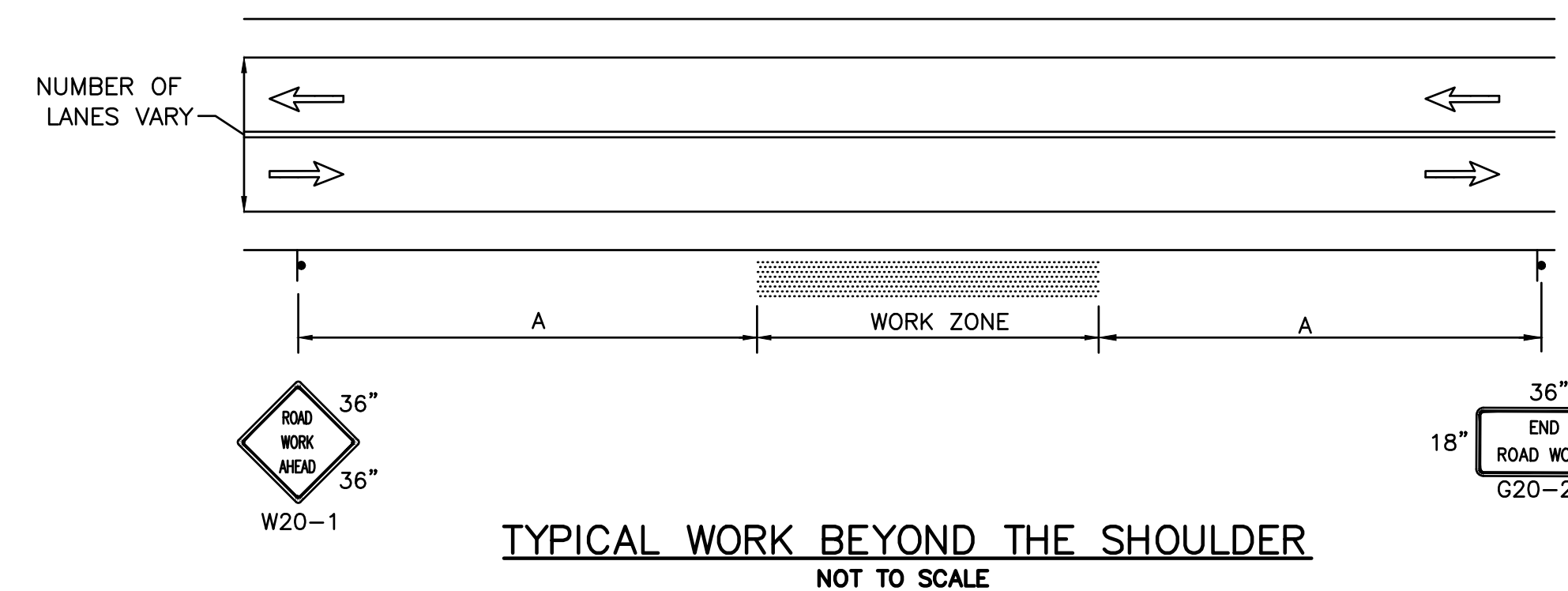
- TEMPORARY CONSTRUCTION SIGN. TYPE NOTED
- FLOURESCENT TRAFFIC CONE, R.I. STD. 26.1.0
- POLICE OFFICER WITH CRUISER & FLASHING LIGHTS
- POLICE OFFICER
- FLAGGER
- TRUCK MOUNTED ATTENUATOR WITH FLASHING ARROW
- PORTABLE FLASHING ARROW
- PLASTIC TYPE III BARRICADE R.I. STD. 26.3.0
- WORK ZONE
- TRAFFIC LANE DURING CONSTRUCTION

**TAPER AND BUFFER LENGTHS**

SPEED LIMIT	TAPER LENGTH (L) FEET	BUFFER SPACE FEET
40 MPH	320	305

**MINIMUM ADVANCE WARNING SIGN SPACING**

SPEED LIMIT	DISTANCE BETWEEN SIGNS (FEET)		
	A	B	C
35 MPH OR GREATER URBAN AREA	350	350	350



1 Cedar Street  
Suite 400  
Providence, RI 02903  
401.272.8100

COLBEA ENTERPRISES, LLC

DESIGNED BY:  
CHECKED BY:  
DATE:  
SHEET: 15  
OF:

SCALE:

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

CRANSTON

SEASONS CORNER MARKET  
PLAINFIELD PIKE (ROUTE 14)  
IMPROVEMENTS

RHODE ISLAND

TRAFFIC CONTROL PLAN NO. 1