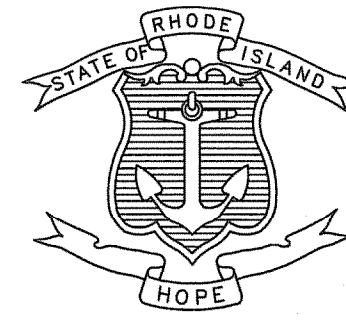


**INDEX**

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	STANDARD PLAN SYMBOLS & STANDARD LEGEND
3	STANDARD NOTES - 1
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5	JOB SPECIFIC PLAN SYMBOLS, LEGEND, & NOTES
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35-57	DRAINAGE & UTILITY PLAN NOS. 1-23

STATE OF RHODE ISLAND



DEPARTMENT OF TRANSPORTATION

PLAN, PROFILE, AND SECTIONS OF PROPOSED  
STATE HIGHWAY

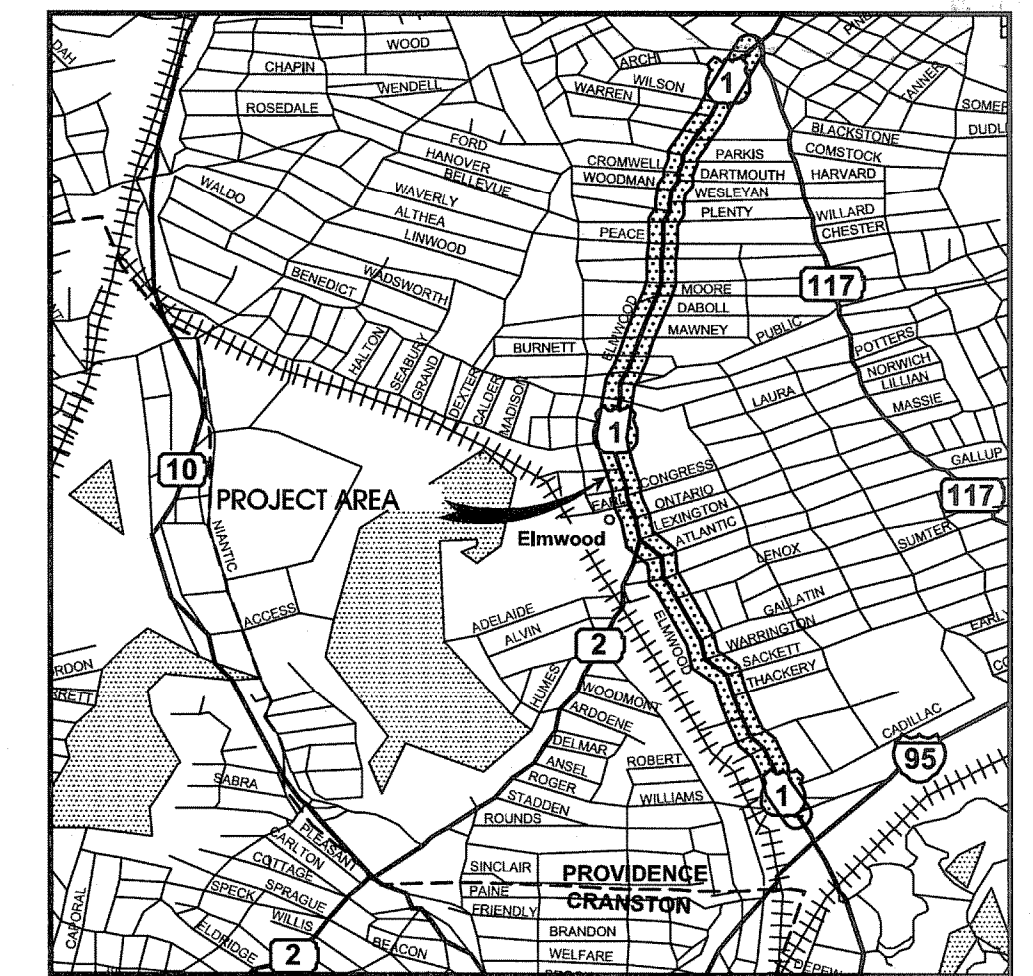
1R/ARTERIAL IMPROVEMENTS TO  
ELMWOOD AVENUE CONTRACT 3

CADILLAC DRIVE TO TRINITY SQUARE  
BROAD STREET FROM TRINITY SQUARE TO SERVICE ROAD NO. 7

CITY OF PROVIDENCE  
COUNTY OF PROVIDENCE

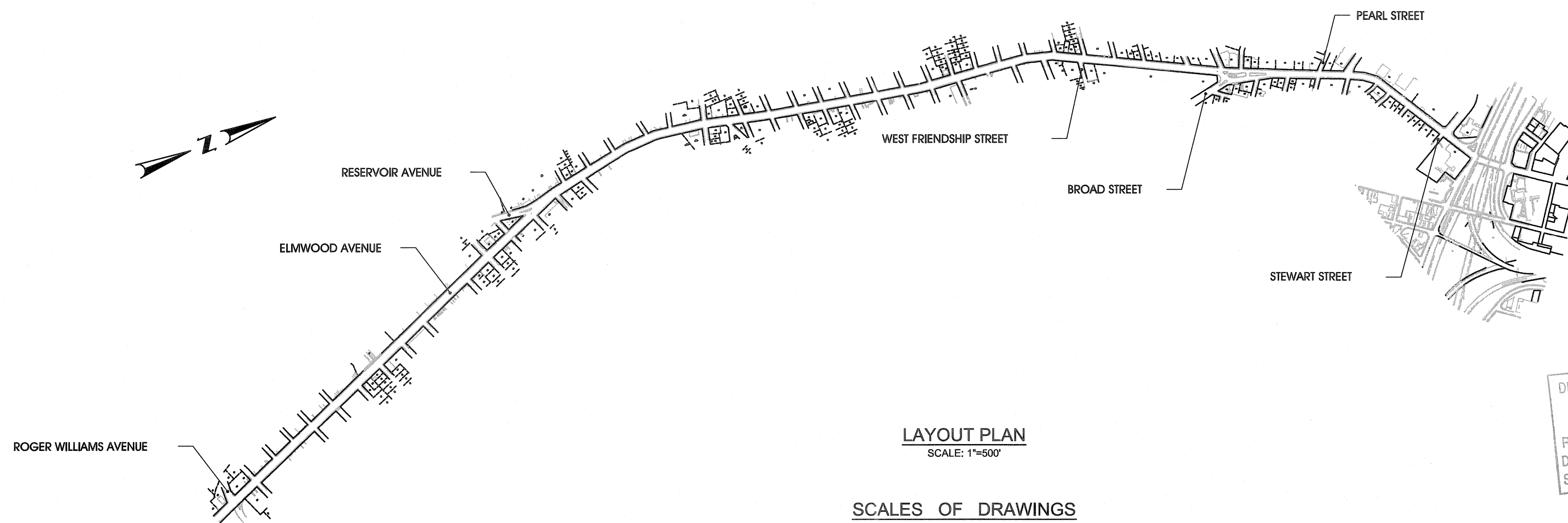
R.I. CONTRACT NO. F.A. PROJECT NO.  
2.12 MILES

FED. ROAD DIV. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	RI		2011	1	57



LOCATION MAP  
NOT TO SCALE

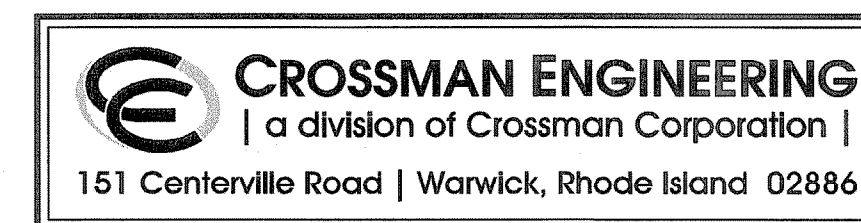
DESIGN	DESIGNATION
2010 AADT	18,700 V.P.D.
2015 AADT	19,300 V.P.D.
D	50%
K	9.3%
T	2.6%



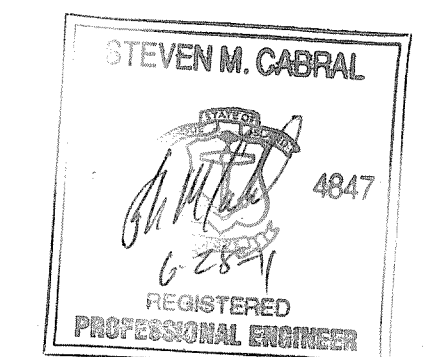
LAYOUT PLAN  
SCALE: 1"=500'

SCALES OF DRAWINGS  
Plans 1 inch = 20 feet

BASE OF LEVELS  
NGVD 29



Contract Number \_\_\_\_\_  
Number of Sheet 1  
Total Sheets 57



RIDEM SUBMISSION  
JUNE 2011

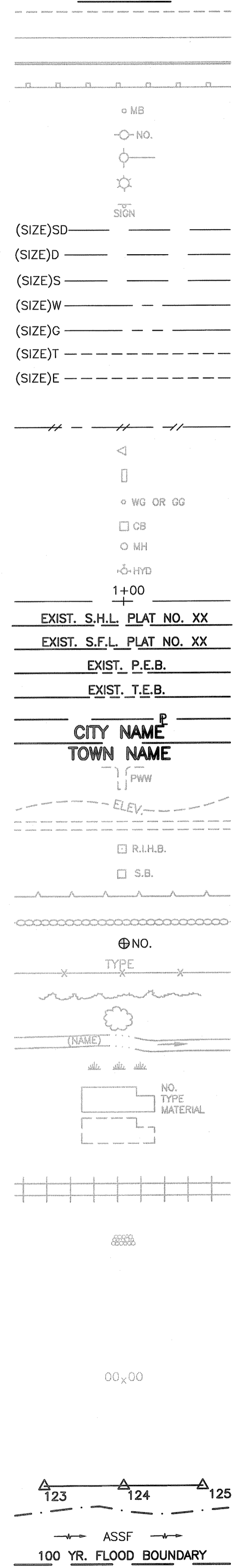
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
REVIEWED SITE PLAN APPLICATION NO. 11-0132  
DATED JUL 27 2011  
SEE LETTER OF SAME DATE.

R.I. DEPARTMENT OF TRANSPORTATION	
APPROVED	
DEPUTY CHIEF ENGINEER	DATE
APPROVED	
CHIEF ENGINEER	DATE
APPROVED	
DIRECTOR	DATE
DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION	
APPROVED	
DIVISION ADMINISTRATOR	DATE

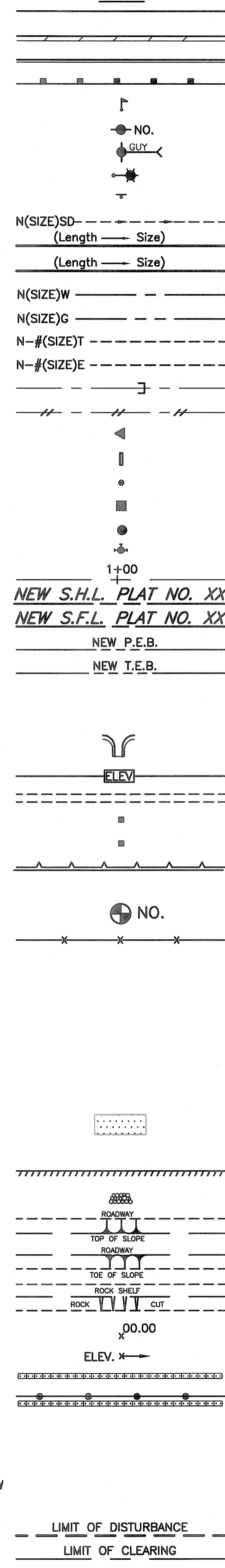
R.I. STANDARD SPECIFICATIONS AND STANDARD DETAILS  
SPECIFICATIONS TO GOVERN THIS PROJECT ARE THE R.I. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2004 EDITION, WITH ALL REVISIONS, AND THE STATE AND FEDERAL SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS. STANDARD DETAILS FOR THIS PROJECT ARE R.I. STANDARD DETAILS, 1998 EDITION, WITH ALL REVISIONS.

**EXISTING**

**NEW**



- EDGE OF PAVEMENT
- BERM
- CURB
- GUARDRAIL
- MAILBOX
- UTILITY POLE
- POLE GUY
- LUMINARE
- SIGN
- SUBDRAIN
- STORMDRAIN
- SANITARY SEWER
- WATER MAIN
- GAS MAIN
- TELEPHONE DUCT
- ELECTRIC DUCT
- PLUG AND CAP PIPE
- ABANDONED UTILITY
- FLARED END SECTION
- HEADWALL
- WATER OR GAS GATE
- CATCH BASIN
- MANHOLE
- HYDRANT
- BASELINE OR CENTERLINE
- STATE HIGHWAY LINE
- STATE FREEWAY LINE
- PERMANENT EASEMENT LINE
- TEMPORARY EASEMENT LINE
- PROPERTY LINE
- CITY OR TOWN LINE
- PAVED WATERWAY
- CONTOUR LINE
- OPEN DITCH
- R.I. HIGHWAY BOUND
- STONE BOUND
- RETAINING WALL
- FIELD STONE WALL
- BORINGS
- FENCE
- WOOD OR BRUSH LINE
- TREES
- RIVER OR STREAM
- WETLAND AREA
- BUILDING
- FOUNDATION
- BUILDING TO BE REMOVED
- RAILROAD TRACKS
- CUT AND MATCH
- RIP-RAP
- CUT SLOPE
- FILL SLOPE
- ROCK CUT
- SPOT GRADE
- AREA GRADED TO DRAIN
- BALED HAY RI STD 9.1.0
- BALED HAY & SILT FENCE RI STD. 9.3.0
- EDGE OF WETLAND
- WETLAND PERIMETER
- AREA SUBJECT TO STORM FLOW
- 100-YEAR FLOOD PLAIN
- LIMIT OF DISTURBANCE
- LIMIT OF CLEARING



- 1.1.0 UNDERDRAIN
- 1.3.0 CONCRETE CONNECTING COLLAR
- 2.1.0 CONCRETE HEADWALLS FOR PIPE CULVERTS
- 2.2.0 STANDARD HEADWALLS FOR MULTIPLE 3'-6" TO 7'-0" PIPE CULVERTS
- 2.3.0 (DIA.) PRECAST CONCRETE FLARED END SECTION
- 3.2.0 BRICK/SOLID BLOCK 4'-0" ROUND MANHOLE
- 3.2.1 (DIA.) BRICK/SOLID BLOCK 5'-0" OR 6'-0" ROUND MANHOLE
- 3.3.0 BRICK/SOLID BLOCK TYPE "D" SQUARE CATCH BASIN
- 3.3.2 BRICK/SOLID BLOCK TYPE "F" SQUARE CATCH BASIN
- 3.3.3 SOLID BLOCK FLUSH SQUARE CATCH BASIN
- 3.4.0 BRICK/SOLID BLOCK TYPE "D" ROUND CATCH BASIN
- 3.4.1 BRICK/SOLID BLOCK ROUND CATCH BASIN WITH GUTTER INLET
- 3.4.2 BRICK/SOLID BLOCK TYPE "F" ROUND CATCH BASIN
- 3.4.3 BRICK/SOLID BLOCK TYPE "R" CATCH BASIN
- 3.4.4 SOLID BLOCK FLUSH ROUND CATCH BASIN
- 3.4.5 (DIA.) BRICK/SOLID BLOCK 5'-0" OR 6'-0" ROUND CATCH BASIN
- 3.5.0 SOLID BLOCK SHALLOW TYPE "F" SQUARE CATCH BASIN
- 3.5.1 (SIZE) SOLID BLOCK SHALLOW 5'-0" OR 6'-0" SQUARE CATCH BASIN
- 3.6.0 BRICK/SOLID BLOCK DROP INLET
- 3.7.0 (DIA.) BRICK/SOLID BLOCK ROUND MANHOLE OR CATCH BASIN GREATER THAN 12'-0"
- 4.2.0 PRECAST 4'-0" ROUND MANHOLE
- 4.2.1 PRECAST 5'-0" ROUND MANHOLE
- 4.2.2 PRECAST 6'-0" ROUND MANHOLE
- 4.3.0 (SIZE) PRECAST 4'-0" OR 6'-0" SQUARE MANHOLE OR CATCH BASIN
- 4.4.0 (DIA.) PRECAST 4'-0", 5'-0", OR 6'-0" ROUND CATCH BASIN
- 4.5.0 PRECAST CONCRETE DROP INLET
- 4.5.1 PRECAST CONCRETE DROP INLET LATERAL OUTLET
- 4.5.2 PRECAST CONCRETE DROP INLET LONGITUDINAL OUTLET
- 5.3.0 CATCH BASIN AND MANHOLE STEP
- 5.4.0 CONCRETE COLLARS
- 6.1.0 LIGHT-DUTY SQUARE FRAME AND ROUND COVER
- 6.1.1 HEAVY DUTY SQUARE FRAME AND ROUND COVER
- 6.2.0 LIGHT-DUTY ROUND FRAME AND COVER
- 6.2.1 HEAVY-DUTY ROUND FRAME AND COVER
- 6.3.0 SQUARE FRAME AND GRATE
- 6.3.1 SQUARE FRAME AND GRATE
- 6.3.2 SQUARE FRAME AND GRATE (BICYCLE SAFE)
- 6.3.3 HIGH CAPACITY FRAME AND GRATE
- 6.3.4 HIGH CAPACITY FRAME AND GRATE (BICYCLE SAFE)
- 6.4.0 ROUND FRAME AND GRATE
- 7.1.0S PRECAST CONCRETE CURB (STRAIGHT)
- 7.1.0C PRECAST CONCRETE CURB (CIRCULAR)
- 7.1.1 3'-0" PRECAST CONCRETE TRANSITION CURB
- 7.1.2 6'-0" PRECAST CONCRETE TRANSITION CURB
- 7.1.4 PRECAST 2'-0" RADIUS CORNER
- 7.1.5 PRECAST CONCRETE INLET STONE (FOR SQUARE CATCH BASIN)
- 7.1.6 PRECAST CONCRETE INLET STONE (FOR ROUND CATCH BASIN)
- 7.1.7 PRECAST CONCRETE APRON STONE (FOR SQUARE CATCH BASIN)
- 7.1.8 PRECAST CONCRETE APRON STONE (FOR ROUND CATCH BASIN)
- 7.2.0S PRECAST CONCRETE SLOPED FACE CURB (STRAIGHT)
- 7.2.0C PRECAST CONCRETE SLOPED FACE CURB (CIRCULAR)
- 7.2.1 PRECAST CONCRETE SLOPED FACE TRANSITION CURB
- 7.2.2 PRECAST CONCRETE TRANSITION CURB (VERTICAL FACE TO SLOPED FACE)
- 7.3.0S GRANITE CURB (STRAIGHT)
- 7.3.0C GRANITE CURB (CIRCULAR)
- 7.3.1 3'-0" GRANITE TRANSITION CURB
- 7.3.2 6'-0" GRANITE TRANSITION CURB
- 7.3.3 GRANITE WHEELCHAIR RAMP TRANSITION CURB
- 7.3.4 GRANITE 2'-0" RADIUS CORNER
- 7.3.5 GRANITE INLET STONE (FOR SQUARE CATCH BASIN)
- 7.3.6 GRANITE INLET STONE (FOR ROUND CATCH BASIN)
- 7.3.7 GRANITE APRON STONE (FOR SQUARE CATCH BASIN)
- 7.3.8 GRANITE APRON STONE (FOR ROUND CATCH BASIN)
- 7.4.0 GRANITE SLOPED FACE CURB
- 7.4.1 GRANITE SLOPED FACE TRANSITION CURB

- 7.4.2 GRANITE TRANSITION CURB (VERTICAL FACE TO SLOPE FACE)
- 7.5.0 BITUMINOUS CONCRETE LIP CURB
- 7.5.1A BITUMINOUS BERM (CONSTRUCTION METHOD A)
- 7.5.1B BITUMINOUS BERM (CONSTRUCTION METHOD B)
- 7.6.0 CURB SETTING DETAIL
- 8.2.0 BITUMINOUS CONCRETE DITCH
- 8.3.0 RIP-RAP DITCH
- 8.4.0 PAVED WATERWAY
- 9.1.0 BALED HAY EROSION CHECK
- 9.2.0 SILT FENCE DETAIL
- 9.3.0 BALED HAY DITCH EROSION CHECK AND SILT FENCE COMBINED
- 9.4.0 BALED HAY DITCH AND SWALE EROSION CHECK
- 9.5.0 LOG AND HAY CHECK DAM
- 9.7.0 DEWATERING BASIN
- 9.8.0 BALED HAY CATCH BASIN INLET PROTECTION
- 9.9.0 CONSTRUCTION ACCESS
- 10.1.0 WET STONE MASONRY RETAINING WALL
- 10.2.0 RUBBLE MASONRY WALL
- 10.3.0 CONCRETE RETAINING WALL
- 10.4.0 STONE MASONRY STEPS
- 14.1.0 CONCRETE HIGHWAY BOUND
- 15.1.0 POST AND MOUNTINGS FOR RURAL MAILBOX
- 15.2.0 (NO.) POST AND MULTIPLE MOUNTINGS FOR RURAL MAILBOXES
- 18.2.0 PRECAST TYPE "A" HANDHOLE
- 18.2.2 HEAVY DUTY TYPE "H" HANDHOLE
- 18.3.0 ALUMINUM LIGHTING STANDARDS
- 20.2.0 BI-DIRECTIONAL CONTROL DEVICE
- 24.6.1 STREET SIGN MOUNTING DETAIL
- 26.2.0 POLYETHYLENE DRUM WITH MARKINGS
- 26.3.0 PVC PLASTIC PIPE TYPE III BARRICADE
- 31.1.0 CHAIN LINK FENCE 3'-0" TO 4'-0"
- 31.2.0 CHAIN LINK FENCE 5'-0" TO 6'-0"
- 31.2.1 CHAIN LINK FENCE 5'-0" TO 6'-0" INTERMEDIATE POST
- 31.3.0 WOVEN WIRE RIGHT-OF-WAY FENCE (STEEL POST)
- 34.1.0 TYPICAL GUARDRAIL INSTALLATION
- 34.2.0 STEEL BEAM GUARDRAIL
- 34.2.1 STEEL BEAM GUARDRAIL DETAILS
- 34.2.2 STEEL BEAM GUARDRAIL DOUBLE FACED ASSEMBLY
- 34.2.3 STEEL BEAM GUARDRAIL FIXTURES
- 34.2.5 STEEL BEAM GUARDRAIL REFLECTORIZED TRIANGULAR DELINEATOR
- 34.3.1 GUARDRAIL END SECTION
- 34.3.2 TERMINAL END SECTION (SINGLE FACE)
- 34.3.3 ANCHORAGE DETAILS APPROACH END SECTION
- 34.3.4 ANCHORAGE DETAILS TRAILING END SECTION
- 34.4.0 STEEL BACKED TIMBER GUARDRAIL
- 34.4.1 STEEL BACKED TIMBER GUARDRAIL TERMINAL SECTION-TYPE 1
- 40.1.0 DOUBLE-FACED PRECAST MEDIAN BARRIER
- 40.2.0 SINGLE-FACED PRECAST MEDIAN BARRIER
- 40.2.1 SINGLE-FACED PRECAST MEDIAN BARRIER
- 40.3.0 PRECAST MEDIAN BARRIER TRANSITION UNIT
- 40.5.0 PRECAST MEDIAN BARRIER FOR TEMPORARY TRAFFIC CONTROL
- 43.1.0 CEMENT CONCRETE SIDEWALK
- 43.2.0 BITUMINOUS CONCRETE SIDEWALK
- 43.3.0 WHEELCHAIR RAMP
- 43.3.1 WHEELCHAIR RAMP FOR LIMITED RIGHT-OF-WAY AREAS
- 43.4.0 DRIVEWAY DEVELOPMENT FOR 3'-0" TRANSITION CURB
- 43.4.1 DRIVEWAY DEVELOPMENT FOR 6'-0" TRANSITION CURB
- 43.5.0 CEMENT CONCRETE DRIVEWAYS
- 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
- ABM ADJUST CATCH BASIN TO MANHOLE
- AC ADJUST CURB STOP TO GRADE
- AD ADJUST DRAINAGE MANHOLE TO GRADE
- AE ADJUST ELECTRIC MANHOLE TO GRADE
- AFC ADJUST FRAME AND COVER TO GRADE
- AFG ADJUST FRAME AND GRATE TO GRADE
- AG ADJUST GAS GATE BOX TO GRADE
- AHH ADJUST HANDHOLE TO GRADE
- AS ADJUST SANITARY SEWER MANHOLE TO GRADE
- AT ADJUST TELEPHONE MANHOLE TO GRADE
- AW ADJUST WATER GATE BOX TO GRADE
- BCD BITUMINOUS CONCRETE DRIVEWAY 3" BITUMINOUS CONCRETE TYPE 1-2 8" GRAVEL BORROW SUBBASE COURSE
- BPS BUILD NEW STRUCTURE OVER EXISTING PIPE
- CCB CLEAN CATCH BASIN
- CCP CUT AND CAP PIPE WITH RESTRAINT (ALL SIZES)
- CFP CLEAN AND FLUSH PIPE
- CG CLEARING AND GRUBBING
- CMH CLEAN MANHOLE
- CP (DEPTH) COLD PLANE
- CPP CUT AND PLUG PIPE (ALL TYPES, ALL SIZES)
- DB REMOVE AND DISPOSE BITUMINOUS CURB
- DC REMOVE AND DISPOSE CONCRETE CURB
- DCB REMOVE AND DISPOSE CATCH BASIN
- DDI REMOVE AND DISPOSE DROP INLET
- DF REMOVE AND DISPOSE FENCE
- DFC REMOVE AND DISPOSE FRAME AND COVER
- DFE REMOVE AND DISPOSE FLARED END SECTION
- DFG REMOVE AND DISPOSE FRAME AND GRATE
- DFH REMOVE AND DISPOSE FIRE HYDRANT
- DFP REMOVE AND DISPOSE FLEXIBLE PAVEMENT
- DG REMOVE AND DISPOSE GUARDRAIL
- DH REMOVE AND DISPOSE HEADWALL
- DHB REMOVE AND DISPOSE HIGHWAY BOUND
- DHH REMOVE AND DISPOSE HANDHOLE
- DL REMOVE AND DISPOSE LIGHT AND FOUNDATION
- DMB REMOVE AND DISPOSE MEDIAN BARRIER
- DMH REMOVE AND DISPOSE MANHOLE
- DMM REMOVE AND DISPOSE MEDIAN MARKER
- DOW REMOVE AND DISPOSE OBSERVATION WELL
- DP REMOVE AND DISPOSE PIPE
- DPB REMOVE AND DISPOSE PAVEMENT AND RIGID BASE
- DRB REMOVE AND DISPOSE RIGID BASE
- DS REMOVE AND DISPOSE SIGN
- DSS REMOVE AND DISPOSE TRAFFIC SIGNAL SYSTEM
- DSW REMOVE AND DISPOSE SIDEWALK
- DTD REMOVE AND DISPOSE TELEPHONE DUCT BANKS
- DUP REMOVE AND DISPOSE UTILITY POLE
- DWW REMOVE AND DISPOSE PAVED WATERWAY
- FF FILTER FABRIC RIPRAP FLARED END UNDERLAYMENT
- GET FLARED GUARDRAIL END TREATMENT
- IA IMPACT ATTENUATOR
- IDL IMPERVIOUS DISTCH LINER
- LOD LIMIT OF DISTURBANCE
- LOR LIMIT OF REGRADING
- LS 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
- RCB RECONSTRUCT TYPE "D" CATCH BASIN, TO CATCH BASIN WITH GUTTER INLET
- RCM R.I.D.O.T. COMMUNICATIONS MANHOLE
- RHH REMOVE, HANDLE, HAUL, TRIM, RESET CURB EDGING, STRAIGHT, CIRCULAR (ALL TYPES)
- RLP 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
- SF REMOVE AND STOCKPILE FENCE
- SGA SPECIAL GRADED AGGREGATE
- SGC REMOVE AND STOCKPILE GRANITE CURB
- SGR REMOVE AND STOCKPILE GUARDRAIL
- SH REMOVE AND STOCKPILE HYDRANT
- SS 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

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PROGRAM  
 REVIEWED SITE PLAN APPLICATION NO.: 11-0132  
 DATED JUL 27 2011  
 SEE LETTER OF SAME DATE.

**THIS PLAN SHALL NOT BE ALTERED**

REVISIONS		
NO.	DATE	BY
1	6/07	TRB

**RHODE ISLAND**  
**DEPARTMENT OF TRANSPORTATION**

**1R / ARTERIAL IMPROVEMENTS TO**  
**ELMWOOD AVENUE**  
**CONTRACT 3**

PROVIDENCE / CRANSTON RHODE ISLAND

**STANDARD PLAN SYMBOLS & STANDARD LEGEND**

CHECKED BY \_\_\_\_\_ DATE JUNE 2011 SCALE \_\_\_\_\_

FED. ROAD DIV. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	R.I.			3	57

**GENERAL NOTES:**

- 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.
- 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.
- 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 CONFORMANCE 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.
- ALL R.I. STD. 9.9.0 CONSTRUCTION ACCESS ROADS SHALL BE CONSTRUCTED PRIOR TO ANY ROADWAY ACCEPTING CONSTRUCTION TRAFFIC.
- THE FREQUENCY AND APPLICATION RATES FOR THE DUST CONTROL ITEMS WILL BE AS DIRECTED BY THE ENGINEER.
- ALL SIDEWALK AND DRIVEWAYS DESIGNATED FOR REPLACEMENT SHALL BE CUT AND MATCHED AT LOCATIONS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
- ASPHALT EMULSION TACK COAT SHALL BE PLACED PRIOR TO PAVEMENT PLACEMENT ON THE CONCRETE BASE OR COLD PLANED 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."
- 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.
- UNDER NO CIRCUMSTANCE WILL THE CONTRACTOR BE ALLOWED TO STOCKPILE REMOVED PAVEMENT MATERIALS WITHIN THE PROJECT LIMITS.
- 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.
- PRIOR TO INSTALLATION, ALL SIGNS, MOUNTINGS AND LOCATIONS SHALL BE APPROVED OR MODIFIED BY THE ENGINEER.
- THE COORDINATE SYSTEM IS THE R.I. STANDARD GRID SYSTEM, NAD 83. THE VERTICAL CONTROL IS NGVD 29.
- 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 PAVEMENT FOR CONTROLLING GRADE.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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).
- 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).
- 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.
- 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:**

- 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 RIPDES 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).
- 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 SEED 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 RESTABILIZED 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.
- 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 ERODIBLE MATERIAL SHALL ALSO BE SEED AND RINGED WITH R.I. STD. 9.1.0 TO STABILIZE.
- 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.
- 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.
- SEEDING ON ALL SLOPES 3 TO 1 OR STEEPER SHALL CONSIST OF THE FOLLOWING APPLICATIONS UNLESS CHANGED IN THE CONTRACT.
  - SEEDING TYPE I.
  - ADHESIVE MULCH STABILIZER
- UNVEGETATED SLOPES SHALL NOT BE UNATTENDED OR EXPOSED FOR PERIODS IN EXCESS OF 2 WEEKS OR THROUGH THE INACTIVE WINTER SEASON.
- 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.
- ALL DRAINAGE AND UTILITY STRUCTURES WITHIN THE PAVED ROADWAY SHALL BE ADJUSTED TO GRADE WITH THE SURROUNDING PAVEMENT PRIOR TO THE WINTER SHUTDOWN.
- DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING DRAINAGE AND RUNOFF FLOW DURING STORMS AND PERIODS OF RAINFALL THROUGHOUT THE WORK AREA.
- 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.
- PROVISIONS FOR CLEARING TO ACCESS OUTFALLS DURING THE CLEANING AND FLUSHING OF THE CLOSED DRAINAGE SYSTEM SHALL BE KEPT TO A MINIMUM.
  - ANY VEGETATIVE CLEARING SHALL BE LIMITED TO BRUSH AND TREES LESS THAN 3" DIAMETER.
  - NO HEAVY EQUIPMENT MAY ENCROACH UPON VEGETATED PERIMETER OR RIVERBANK WETLANDS AS WELL AS BIOLOGICAL WETLANDS.
- 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.
- 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.
- 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):**

- 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.
- 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.
- 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.
- 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.
- 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.
- THE NORMAL ACCEPTABLE SEASONAL SEEDING DATES ARE SPECIFIED IN SUBSECTION L.02.03 OF THE R.I.D.O.T. STANDARD SPECIFICATIONS, LATEST EDITION.
- 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:**

- 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.
- 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.
- ALL EXISTING UTILITIES TO BE ABANDONED SHALL BE CAPPED.
- EXISTING WATER SERVICES SHALL BE RECONNECTED TO THE NEW WATER MAINS.
- UTILITY SERVICE CONNECTIONS SHALL BE MAINTAINED TO ALL EXISTING FACILITIES TO REMAIN.
- FIRE HYDRANTS SHALL NOT BE REMOVED FROM SERVICE WITHOUT WRITTEN AUTHORIZATION FROM THE FIRE DEPARTMENT OR THE WATER AUTHORITY.
- ALL NEW WATER LINES SHALL BE DISINFECTED TO THE SATISFACTION OF THE WATER AUTHORITY IN ACCORDANCE WITH THE SPECIFICATIONS.
- ALL UTILITY POLE RELATED WORK SHALL BE BY OTHERS.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PROGRAM  
 REVIEWED SITE PLAN APPLICATION NO.: 11-0152  
 DATED JUL 27 2011  
 SEE LETTER OF SAME DATE.



**THIS PLAN SHALL NOT BE ALTERED**

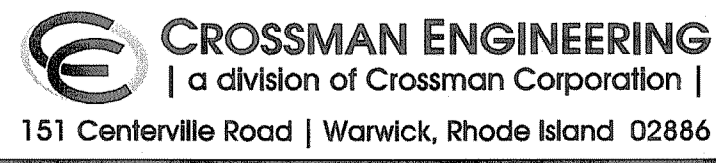
REVISIONS		
NO.	DATE	BY
1	4/07	TRB
2	3/10	RBH

RHODE ISLAND  
 DEPARTMENT OF TRANSPORTATION

1R / ARTERIAL IMPROVEMENTS TO  
 ELMWOOD AVENUE  
 CONTRACT 3  
 PROVIDENCE / CRANSTON RHODE ISLAND

**STANDARD NOTES - 1**

CHECKED BY \_\_\_\_\_ DATE JUNE 2011 SCALE NO SCALE



**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.

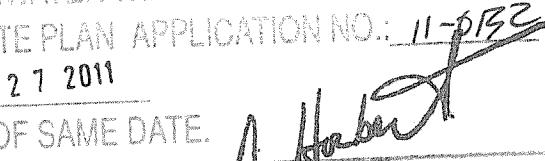
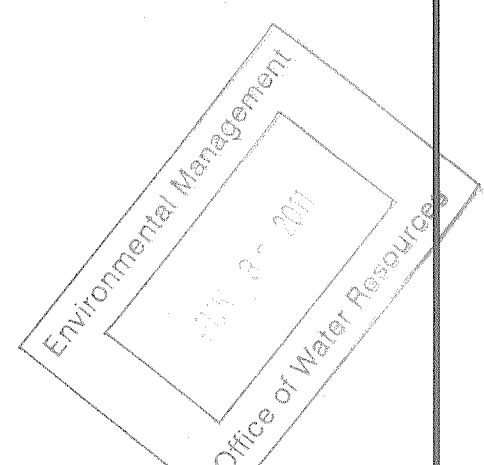
**TRAFFIC SIGNAL NOTES:**

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-PLANNED AND NEW ROADWAY SURFACES THAT WILL BE OPENED TO TRAFFIC AT THE END OF THE SHIFT.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PROGRAM  
 REVIEWED SITE PLAN APPLICATION NO.: 11-PB2  
 DATED JUL 27 2011  
 SEE LETTER OF SAME DATE.

**THIS PLAN SHALL NOT BE ALTERED**

REVISIONS		
NO.	DATE	BY
2	11/07	TRB
3	3/10	RBH

**RHODE ISLAND  
DEPARTMENT OF TRANSPORTATION**

**1R / ARTERIAL IMPROVEMENTS TO  
ELMWOOD AVENUE  
CONTRACT 3**

PROVIDENCE / CRANSTON RHODE ISLAND

**STANDARD NOTES - 2**

CHECKED BY \_\_\_\_\_ DATE JUNE 2011 SCALE NO SCALE

**CROSSMAN ENGINEERING**  
 | a division of Crossman Corporation |  
 151 Centerville Road | Warwick, Rhode Island 02886

FED. ROAD DIV. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	R.I.			5	57

**JOB SPECIFIC PLAN SYMBOLS**

EXISTING		PROPOSED
HH	HANDHOLE	■
WCS	WATER CURB STOP	
GCS	GAS CURB STOP	
TMH	TELEPHONE MANHOLE	
	SEWER MANHOLE	
	DRAINAGE MANHOLE	
EMH	ELECTRICAL MANHOLE	
NO.	UTILITY POLE WITH LUMINARE	
	CATCH BASIN WITH CURB INLET	
	PROVIDENCE STD. DRAINAGE INLET (SEE PROVIDENCE STD. P-16)	
	GRANITE 2'-0" RADIUS CORNER	
	WHEELCHAIR RAMP	

**JOB SPECIFIC GENERAL NOTES**

- ALL PROPERTY LINES SHOWN ON THIS PLAN ARE APPROXIMATE.
- THE GENERAL PLANS CONTAINED IN THIS SET WERE GRAPHICALLY PRODUCED USING EXISTING HIGHWAY PLATS. A LIMITED FIELD-EDIT WAS CARRIED OUT TO APPROXIMATELY LOCATE DRIVEWAYS, UTILITY POLES, MAILBOXES, AND OTHER STRUCTURES; HOWEVER, THIS EDIT DID NOT VERIFY THE GEOMETRIC INFORMATION SHOWN. ALSO THESE PLANS DO NOT CONTAIN ANY INFORMATION CONCERNING VERTICAL GEOMETRY, GRADES AND INVERTS.
- THE REMOVAL AND DISPOSAL OF CEMENT AND/OR BITUMINOUS CONCRETE DRIVEWAYS SHALL BE PAID FOR UNDER ITEM CODE 201.0403 REMOVE AND DISPOSE SIDEWALKS.
- ALL ITEMS NOT REFERENCED FOR MODIFICATION WILL BE "EXISTING TO REMAIN" UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- THE COST OF ANY CURB CUTTING REQUIRED TO INSTALL NEW CURB WILL BE INCLUDED IN THE UNIT BID PRICE FOR THE NEW CURB.
- PAVEMENT REMOVAL SHALL BE PERFORMED IN ACCORDANCE WITH RHODE ISLAND STANDARD SPECIFICATIONS.
- CALCIUM CHLORIDE SHALL NOT BE USED FOR DUST CONTROL.
- THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PREVENT DAMAGE TO WALLS, LOT CURBS, AND FENCES ABUTTING SIDEWALKS AND DRIVEWAYS DESIGNATED FOR REPLACEMENT. WHERE DIRECTED, NEW SIDEWALKS SHALL MEET SAID WALLS AND FENCES. PRIOR TO SIDEWALK REMOVAL, A SAWCUT SHALL BE PROVIDED IN ALL SIDEWALKS TO BE PROVIDED A DISTANCE, TO BE DETERMINED BY THE ENGINEER (6" MINIMUM) FROM THE FACE OF ADJACENT BUILDINGS, RETAINING WALLS, LOT CURBS AND FENCES. THE FINAL 6" (MINIMUM) OF SIDEWALK SHALL BE REMOVED WITH CAUTION UNDER THE RESIDENT ENGINEER'S SUPERVISION. THERE WILL BE NO ADDITIONAL PAYMENT FOR LABOR AND EQUIPMENT NECESSARY TO MEET THIS "REMOVE WITH CAUTION" REQUIREMENT. PAYMENT FOR THE REMOVAL OF THE FINAL 6" (MINIMUM) OF SIDEWALK WILL BE INCLUDED UNDER CODE 201.0403 "REMOVE AND DISPOSE SIDEWALKS." THE REQUIRED SAWCUT WILL BE PAID FOR UNDER 932.0220 "FULL DEPTH SAWCUT OF BITUMINOUS SIDEWALK/DRIVEWAY" OR 932.0230 "FULL DEPTH SAWCUT OF PORTLAND CEMENT CONCRETE SIDEWALK/DRIVEWAY" WHICHEVER IS APPLICABLE.
- THE FOLLOWING CRITERIA SHALL APPLY FOR QUANTIFYING CODE 201.0610 "REMOVE AND DISPOSE DIRECTIONAL, WARNING, REGULATION, SERVICE AND STREET SIGN" FOR PAYMENT ON THIS PROJECT:
  - MULTIPLE SIGNS ON A SINGLE POST OR MOUNTING SHALL BE CONSIDERED AS A SINGLE SIGN STRUCTURE AND THE REMOVAL OF SAID STRUCTURE SHALL BE QUANTIFIED AS ONE EACH.
  - REMOVAL OF MULTIPLE SIGNS FROM A UTILITY POLE SHALL BE QUANTIFIED AS ONE EACH FOR EACH SEPARATE SIGN REMOVED FROM SAID UTILITY POLE.
- THE CONTRACTOR SHALL NOT STORE ANY EQUIPMENT OR MATERIALS WITHIN THE ROOT ZONE OF ANY TREES OR SHRUBS WITHIN THE PROJECT LIMITS.
- DAMAGED CURB IN RHH AREAS: ANY GRANITE CURB DESIGNATED FOR RESETTING WHICH IS DAMAGED AND IN THE OPINION OF THE ENGINEER IS UNSUITABLE FOR RESETTING WILL BE REMOVED AND DISPOSED AND REPLACED WITH NEW GRANITE CURB. PAYMENT FOR THE REMOVAL OF THE EXISTING CURB WILL BE PAID FOR UNDER ITEM CODE 201.0401 "REMOVE AND DISPOSE GRANITE CURB." NEW GRANITE CURB WILL BE PAID FOR UNDER EITHER ITEM CODE 906.9905 "MODIFIED R.I. STD. 7.3.0 GRANITE CURB-CIRCULAR" OR 906.9904 "MODIFIED R.I. STD. 7.3.0 GRANITE CURB-STRAIGHT". ALL OTHER ITEMS INCLUDING EXCAVATION, REMOVAL AND DISPOSAL OF PAVEMENT STRUCTURE, GRAVEL BORROW SUBBASE COURSE AND TRIMMING AND FINE GRADING WILL BE PAID FOR IN ACCORDANCE WITH SUBSECTION 906.05.5 OF THE RIDOT STANDARD SPECIFICATIONS.

**JOB SPECIFIC MAINTENANCE AND PROTECTION OF TRAFFIC NOTES:**

- TRAFFIC FINES IN WORK ZONE REGULATORY SIGN, R.I. STD. 27.1.1 SHALL BE UTILIZED WHENEVER CONSTRUCTION ACTIVITIES ARE IN PROGRESS AND CONSTRUCTION PERSONNEL ARE PRESENT. THE SIGNS SHALL BE REMOVED FROM THE SITE OR COVERED AT ALL OTHER TIMES.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT ALL APPLICABLE REGULATORY AND WARNING SIGNS (EXCEPT FOR PARKING SIGNS) ARE VISIBLE TO TRAFFIC AT ALL TIMES ON EITHER PERMANENT OR TEMPORARY MOUNTINGS.

**JOB SPECIFIC DRAINAGE AND UTILITY NOTES:**

- DURING THE PROCESS OF THE WORK, THE CONTRACTOR SHALL COOPERATE WITH THE OWNERS OF ADJACENT OVERHEAD OR UNDERGROUND UTILITIES AND PERMIT THEIR REPRESENTATIVES ACCESS TO THE WORK AREA TO DETERMINE IF THEIR UTILITIES ARE BEING ENDANGERED IN ANY WAY.
- ANY DRAINAGE STRUCTURES, PIPES OR CULVERTS DAMAGED BY THE CONTRACTOR WHILE CARRYING OUT THIS CONTRACT SHALL BE REPLACED OR REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER AT NO ADDITIONAL CHARGE TO THE STATE.
- THE PER EACH PAYMENT FOR CODE 707.1100 "ADJUST CATCH BASINS" SHALL INCLUDE FULL COMPENSATION FOR RESETTING BOTH FRAMES AND GRATES AND FRAMES AND COVERS AS REQUIRED, AND MEASURED FOR PAYMENT PER EACH CATCH BASIN SO TREATED. THE ADJUSTING OF APRON STONES AND INLET STONES SHALL BE INCLUDED IN THE LINEAR FOOT PAYMENT FOR CODE 905.0700 "REMOVE, HANDLE, HAUL, TRIM RESET CURB EDGING, STRAIGHT, CIRCULAR ALL TYPES."
- COMPENSATION FOR THE ADJUSTMENT OF NEW FRAMES AND COVERS AND FRAMES AND GRATES TO FINAL GRADE AS WELL AS ANY INTERMEDIATE ADJUSTMENTS SHALL BE INCLUDED IN THE CONTRACT BID PRICES FOR 702.0517 "FRAME AND GRATE, STD. 6.3.2," 702.0515 "FRAME AND GRATE HIGH CAPACITY STANDARD 6.3.3," 702.0510 "HEAVY-DUTY SQUARE FRAME AND ROUND COVER, RI STANDARD 6.1.1", AND 702.0522 "FRAME AND COVER STANDARD 6.2.1." PAYMENT FOR THESE ITEMS SHALL INCLUDE FULL COMPENSATION FOR ALL ITEMS INCLUDED IN ADJUSTING DRAINAGE STRUCTURES AS PER SUBSECTION 707.05 OF THE RHODE ISLAND STANDARD SPECIFICATIONS, 2004 EDITION.
- THE CONTRACTOR SHALL ADJUST ALL DRAINAGE AND UTILITY STRUCTURES IN ROADWAY AREAS TO THE SURROUNDING PAVEMENT GRADE AT THE END OF EACH WORK DAY. THE CONTRACT PROVIDES FOR TWO ADJUSTMENTS, ONE PRIOR TO COLD PLANING AND ONE TO FINAL GRADE.
- THE ADJUSTING OF DRAINAGE INLET HANDHOLE COVERS SHALL BE PAID FOR UNDER ITEM CODE 707.1100 "ADJUST CATCH BASINS TO GRADE."

**JOB SPECIFIC WHEELCHAIR RAMP NOTES**

- EXCEPT WHERE NOTED ON THE PLANS, CURBING USED FOR WHEELCHAIR RAMPS SHALL BE "MODIFIED R.I. STD. 7.3.3 GRANITE WHEELCHAIR RAMP TRANSITION CURB", "MODIFIED R.I. STD. 7.3.0 GRANITE CURB", AND "MODIFIED R.I. STANDARD 7.3.9 GRANITE RAMP STONE" AS SHOWN IN THE MODIFIED CURB DETAILS IN THE PLAN SET.
- CURBING FOR NEW WHEELCHAIR RAMPS SHALL BE PAID FOR UNDER ITEM CODES 906.0120 "GRANITE WHEELCHAIR RAMP CURB, STANDARDS 7.3.3, 43.3.0 AND 43.3.1." AND 906.9902 "MODIFIED RI STANDARD 7.3.9 GRANITE RAMP STONE".
- THE FINAL LOCATION OF ALL WHEELCHAIR RAMPS SHALL BE COORDINATED IN THE FIELD WITH PROPOSED AND/OR EXISTING LOCATIONS OF DRAINAGE STRUCTURES, UTILITY POLES AND OTHER APPURTENANCES TO ENSURE A CLEAR PEDESTRIAN PATH IN ACCORDANCE WITH A.D.A. REQUIREMENTS.

**JOB SPECIFIC ELECTRICAL/LIGHTING NOTES**

- ALL ELECTRICAL WORK SHALL CONFORM TO THE NATIONAL ELECTRIC CODE AND ITS LATEST REVISIONS AND THE STATE OF RHODE ISLAND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
  - REPLACEMENT OF PRECAST HANDHOLE TYPE "A", RI STD 18.2.0 OR HEAVY DUTY HANDHOLE RI STD 18.2.1 SHALL INCLUDE ANY NEW WIRING, SEALING OF CONDUIT ENDS WITH DUCT SEAL CONDUIT AND CONDUIT REPAIRS AND ALL LABOR, TOOLS, EQUIPMENT AND INCIDENTALS NECESSARY TO INSTALL THE NEW HANDHOLE.
  - REPLACEMENT OF PRECAST HANDHOLE TYPE "A" RI STD 18.2.0 OR HEAVY DUTY HANDHOLE RI STD 18.2.1 SHALL ALSO INCLUDE THE FOLLOWING RELATED ITEMS:
    - PULL BACK EXISTING WIRE TO ADJACENT HANDHOLES
    - INSTALL NEW CONDUIT TO CLOSEST COUPLING
    - RE-PULL WIRES TO NEW HANDHOLE
- SPLICING TO BE PAID FOR UNDER CODE T04.7503 "SEMI-PERMANENT 3-WAY SPLICE."
- WHERE EXISTING WHEELCHAIR RAMPS ARE BEING MAINTAINED THE WHEELCHAIR RAMP SLOPE SHALL NOT EXCEED 1:12.

**JOB SPECIFIC LEGEND**

- (6WS) - 6" EPOXY RESIN PAVEMENT MARKINGS - SKIP STRIPING (SEE MISCELLANEOUS DETAILS)
- (AFM) - ADJUST FIRE ALARM MANHOLE TO GRADE
- (AFO) - ADJUST FIBER OPTIC MANHOLE TO GRADE
- (ASM) - R.I.STD. 7.3.8 GRANITE APRON STONE
- (BR) - CONCRETE BASE REPAIR (SEE MISCELLANEOUS DETAILS)
- (CBT) - 12" CAST IRON CATCH BASIN TRAP
- (CCI) - CLEAN AND FLUSH CURB INLET
- (DCI) - REMOVE AND DISPOSE CURB INLET
- (DGC) - REMOVE AND DISPOSE GRANITE CURB
- (DRD) - DRIVEWAY REMOVAL DETAILS (SEE MISCELLANEOUS DETAILS)
- (DT) - REMOVE AND DISPOSE TREE
- (DT3) - TYPICAL CURB TREATMENT AT DRIVEWAYS (3' TRANSITION'S) (SEE MISCELLANEOUS DETAILS)
- (DT6) - TYPICAL CURB TREATMENT AT DRIVEWAYS (6' TRANSITION'S) (SEE MISCELLANEOUS DETAILS)
- (ECF) - EXEMPT FROM CLEANING AND FLUSHING
- (ETR) - EXISTING TO REMAIN
- (GT3) - MODIFIED R.I. STD. 7.3.1 3'-0" GRANITE TRANSITION CURB (SEE MISCELLANEOUS DETAILS)
- (GT6) - MODIFIED R.I. STD. 7.3.2 6'-0" GRANITE TRANSITION CURB (SEE MISCELLANEOUS DETAILS)
- (INS) - MODIFIED R.I. STD. 7.3.6 GRANITE INLET STONE (SEE MISCELLANEOUS DETAILS)
- (M) - MEDIAN PAVING DETAIL (SEE MISCELLANEOUS DETAILS)
- (MWC) - MEDIAN ISLAND WHEEL CHAIR RAMP (SEE MISCELLANEOUS DETAILS)
- (NGB) - FURNISH AND INSTALL NEW GAS GATE BOX
- (NGCB) - FURNISH AND INSTALL NEW GAS CURB STOP BOX
- (P-17) - PROVIDENCE STD. P-17, GRANITE INLET STONE
- (R&D) - REMOVE AND DISPOSE
- (REC) - RECONSTRUCT CATCH BASIN OR MANHOLE CORBEL CONES (SEE MISCELLANEOUS DETAILS)
- (RS) - REMOVE AND RESET SIGN ON NEW POST R.I. STD. 24.1.0
- (RW) - RESHAPE EXISTING WHEELCHAIR RAMP USING EXISTING CURB (SEE WHEELCHAIR RAMP NOTE NO. 4)
- (SFC) - MODIFIED R.I. STD. 7.4.0 GRANITE SLOPED FACE CURB CIRCULAR (SEE MISCELLANEOUS DETAILS)
- (SFS) - MODIFIED R.I. STD. 7.4.0 GRANITE SLOPED FACE CURB STRAIGHT (SEE MISCELLANEOUS DETAILS)
- (SFT) - MODIFIED R.I. STD. 7.4.2 TRANSITION CURB (VERTICAL FACE TO SLOPED FACE) (SEE MISCELLANEOUS DETAILS)
- (SI) - INTEGRALLY COLORED AND STAMPED PORTLAND CEMENT CONCRETE ISLAND (SEE MISCELLANEOUS DETAILS)
- (VFC) - MODIFIED R.I. STD. 7.3.0 GRANITE CURB - CIRCULAR (SEE MISCELLANEOUS DETAILS)
- (VFS) - MODIFIED R.I. STD. 7.3.0 GRANITE CURB - STRAIGHT (SEE MISCELLANEOUS DETAILS)
- (YB) - EPOXY RESIN YIELD BAR (SEE MISCELLANEOUS DETAILS)
- (A) (DEPTH) - BITUMINOUS SURFACE COURSE TYPE I-1

**ENVIRONMENTAL PERMITS**

- THE WORK PROPOSED IN THESE PLANS SHALL NOT RESULT IN ANY GRADE CHANGES.
- THE WORK PROPOSED IN THESE PLANS SHALL NOT RESULT IN ANY INCREASE IN IMPERVIOUS SURFACE AREA.
- ALL WORK SHALL BE IN COMPLIANCE OF RULE 6.01 "GENERAL CONDITIONS FOR EXEMPT ACTIVITIES" OF THE RIDEM, DIVISION OF FRESHWATER WETLANDS "RULES AND REGULATIONS GOVERNING THE ADMINISTRATION AND ENFORCEMENT OF THE FRESHWATER-WETLANDS ACT."

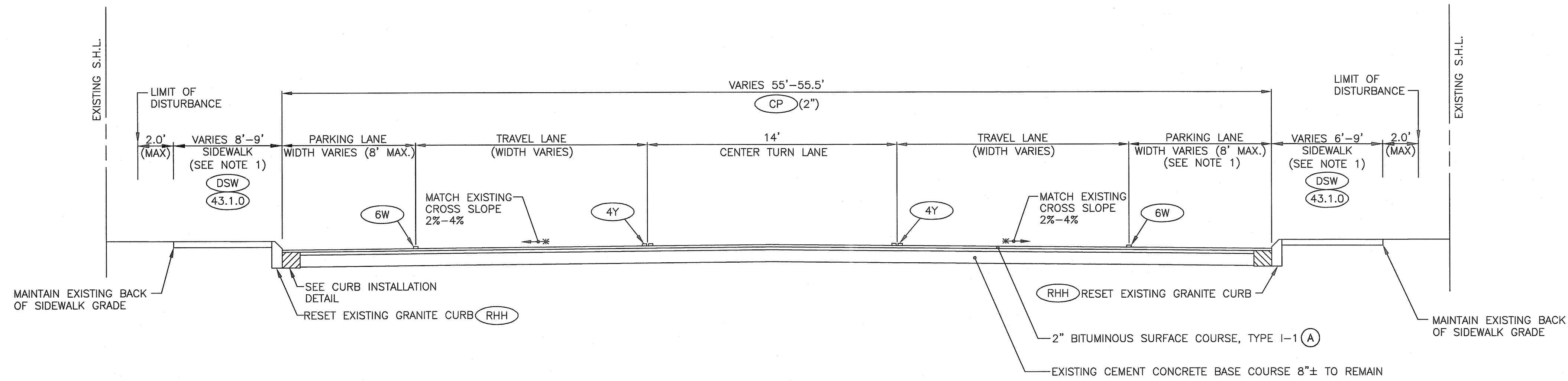
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
REVIEWED SITE PLAN APPLICATION NO.: 11-0132  
DATED JUL 27 2011  
SEE LETTER OF SAME DATE.

*Charles A. Haber*

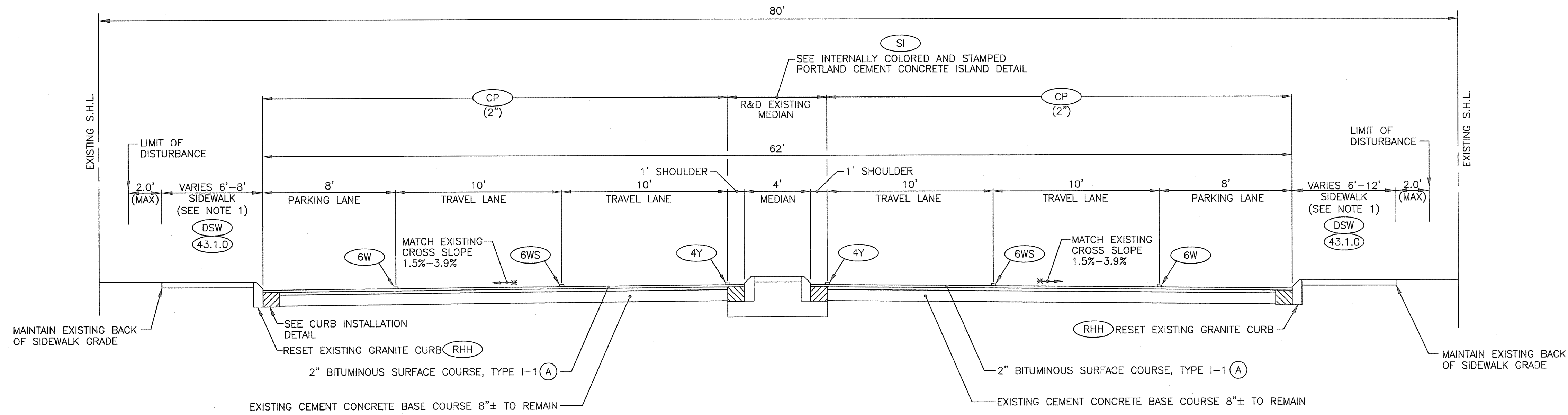
Environmental Management  
Office of Water Resources

REVISIONS	RHODE ISLAND DEPARTMENT OF TRANSPORTATION		
NO.	DATE	BY	1 R / ARTERIAL IMPROVEMENTS TO ELMWOOD AVENUE CONTRACT 3
			PROVIDENCE / CRANSTON RHODE ISLAND
			<b>JOB SPECIFIC PLAN SYMBOLS, LEGEND AND NOTES</b>
	CHECKED BY _____	DATE JUNE 2011	SCALE NO SCALE





PROPOSED TYPICAL SECTION CONGRESS AVENUE TO TRINITY SQUARE  
SCALE: 1"=4'



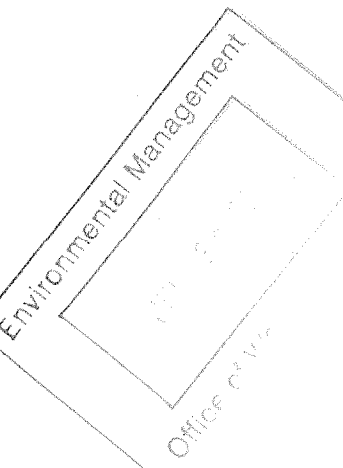
PROPOSED TYPICAL SECTION CADILLAC DRIVE TO CONGRESS AVENUE  
SCALE: 1"=4'

**NOTES:**

1. SIDEWALK WIDTH SHALL MATCH EXISTING SIDEWALK WIDTH WITHIN THE STATE RIGHT-OF-WAY AS INDICATED ON THE PLANS.
2. LIMIT OF DISTURBANCE SHALL BE WITHIN THE STATE RIGHT-OF-WAY AND NOT MORE THAN 2 FEET BEHIND BACK OF CURB/SIDEWALK.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
REVIEWED SITE PLAN APPLICATION NO. 11-0992  
DATED JUL 27 2018  
SEE LETTER OF SAME DATE.

*Charles A. Haber*



REVISIONS		
NO.	DATE	BY

**RHODE ISLAND**  
**DEPARTMENT OF TRANSPORTATION**

**1R / ARTERIAL IMPROVEMENTS TO**  
**ELMWOOD AVENUE**  
**CONTRACT 3**

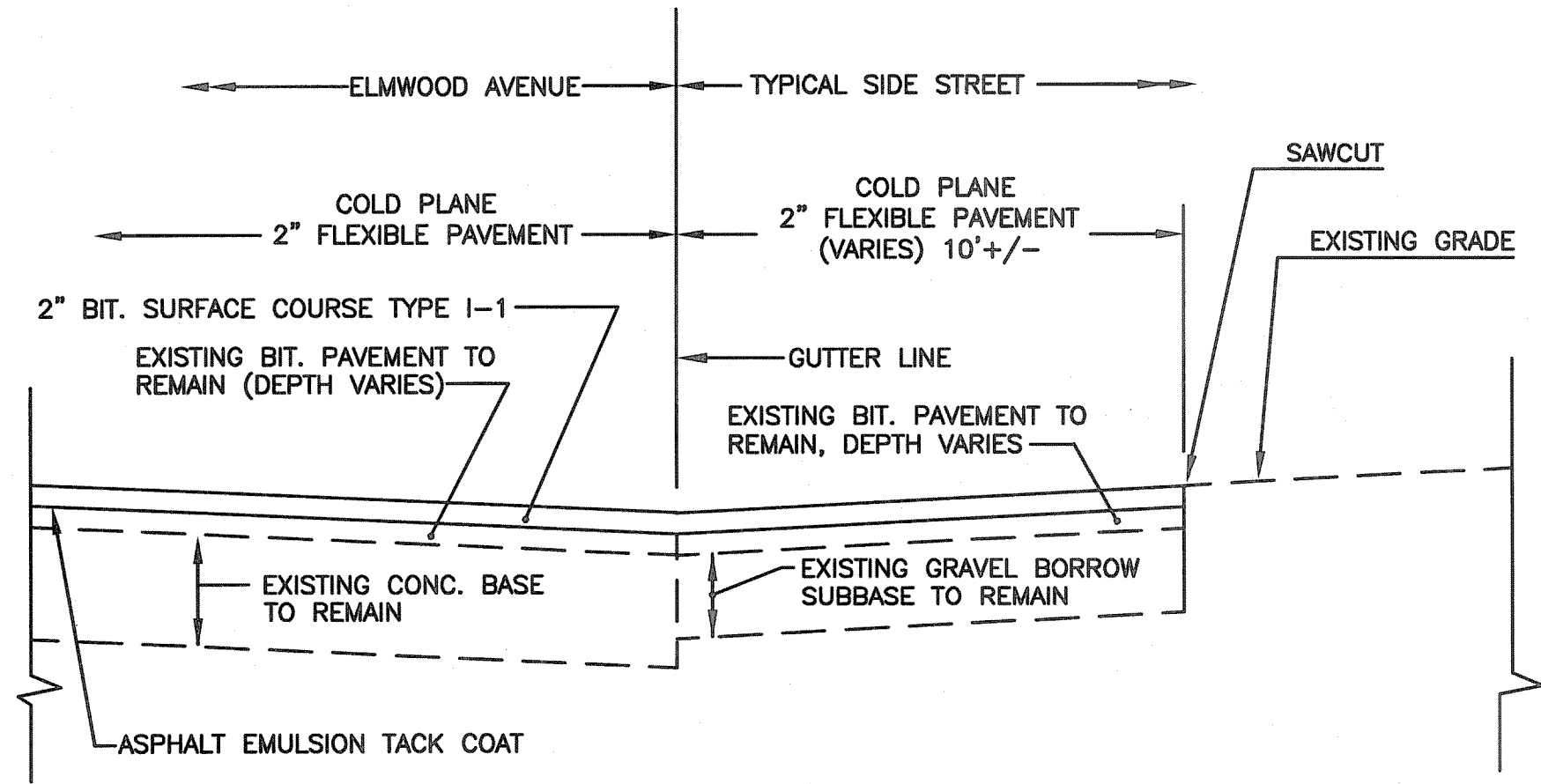
PROVIDENCE / CRANSTON RHODE ISLAND

**TYPICAL SECTIONS**

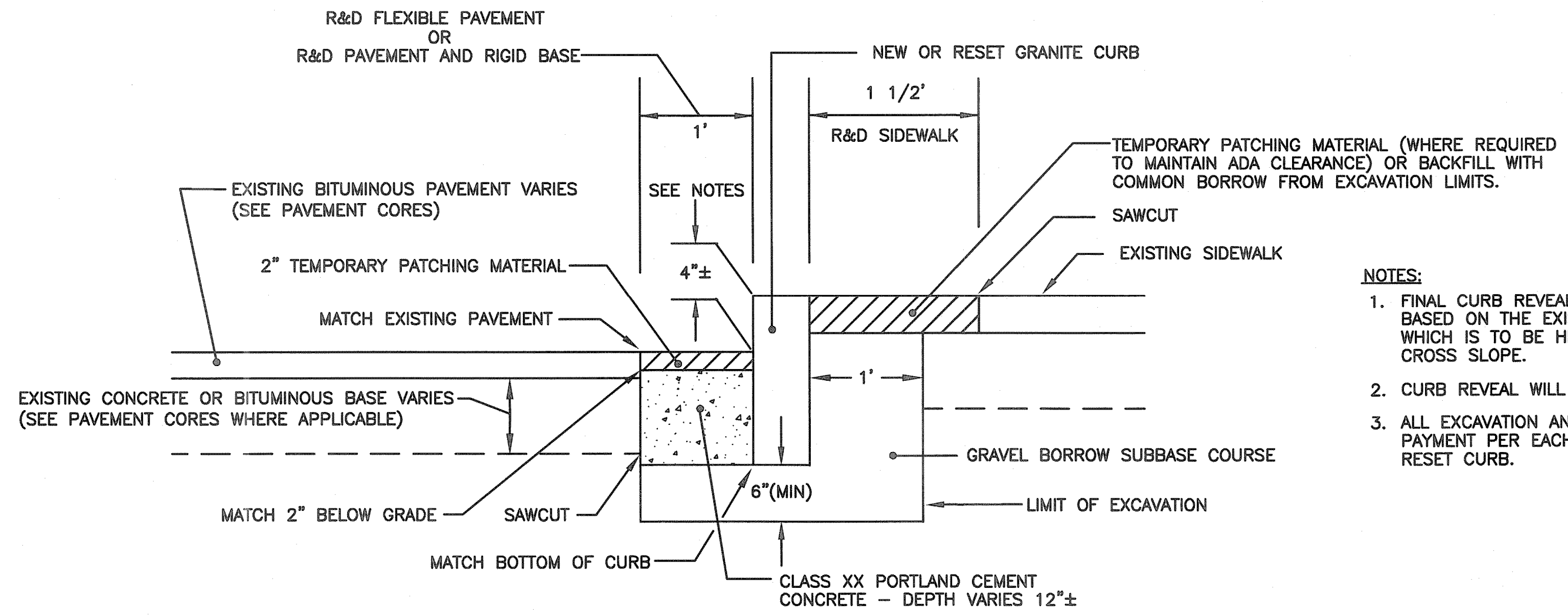
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| a division of Crossman Corporation |  
151 Centerville Road | Warwick, Rhode Island 02886



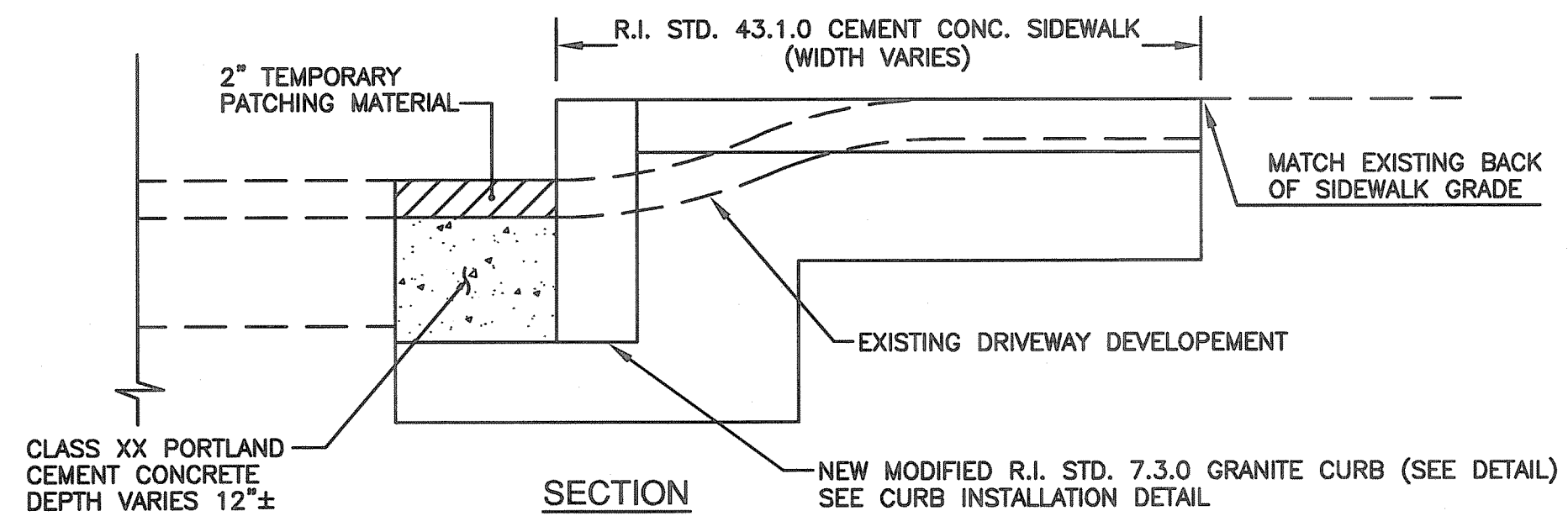
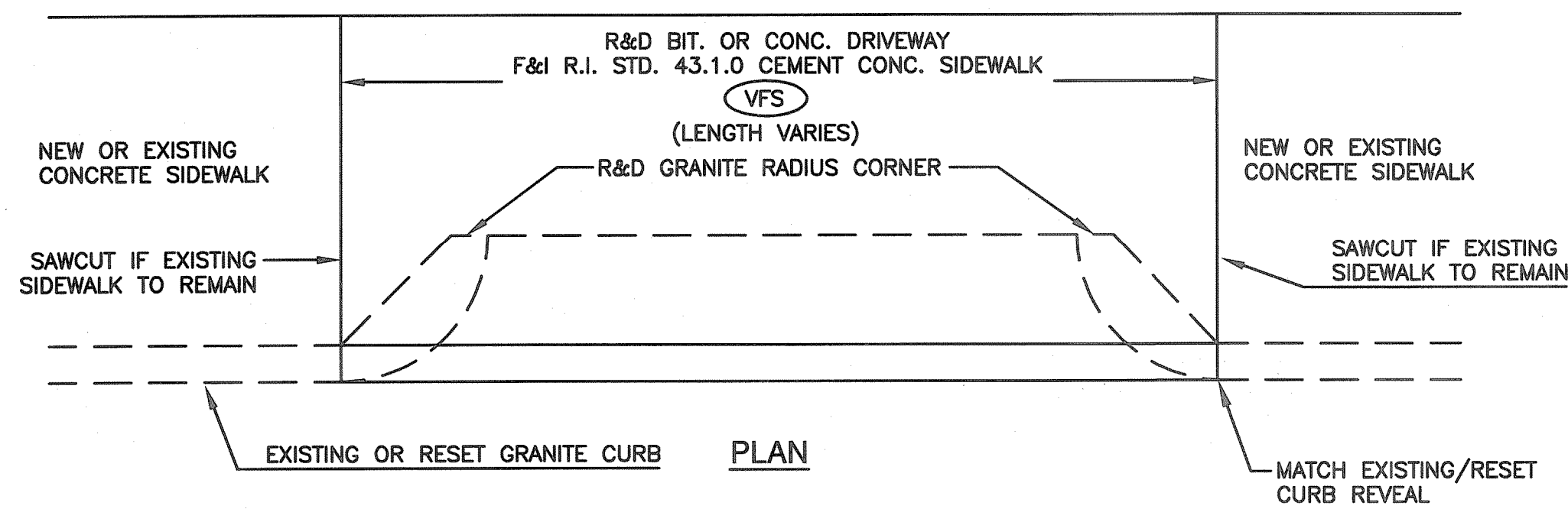


**SIDE STREET CUT AND MATCH DETAIL**  
NOT TO SCALE



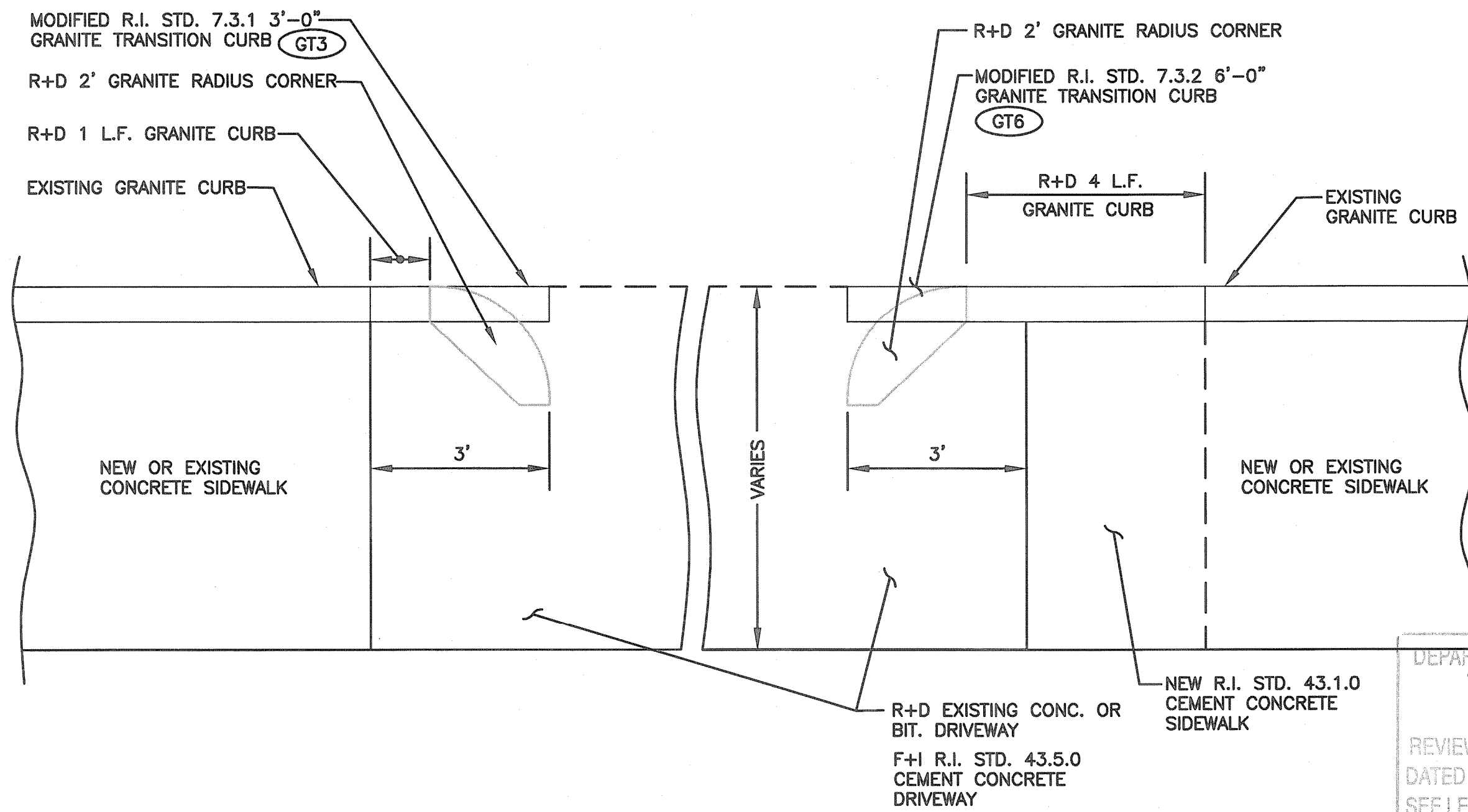
**TYPICAL CURB INSTALLATION DETAIL**  
NOT TO SCALE

- NOTES:**
- FINAL CURB REVEAL WILL VARY IN NON-MEDIAN AREAS BASED ON THE EXISTING BACK OF SIDEWALK GRADE WHICH IS TO BE HELD AND USING A 2% SIDEWALK CROSS SLOPE.
  - CURB REVEAL WILL BE 6" FOR ALL NEW MEDIAN ISLANDS.
  - ALL EXCAVATION AND BACKFILLING TO BE INCLUDED IN THE PAYMENT PER EACH OR PER LINEAR FOOT FOR NEW OR RESET CURB.



**DRIVEWAY REMOVAL DETAIL**  
NOT TO SCALE

\* SEE MODIFIED R.I. STANDARD 7.3.0 GRANITE CURB DETAIL



**TYPICAL CURB TREATMENT AT DRIVEWAYS**  
NOT TO SCALE

- NOTES:**
- SEE TYPICAL CURB INSTALLATION DETAIL
  - SEE MODIFIED R.I. STANDARD 7.3.1 3'-0" GRANITE TRANSITION CURB DETAIL OR MODIFIED R.I. STANDARD 7.3.2 6'-0" GRANITE TRANSITION CURB DETAIL
  - SEE R.I. STANDARD 43.4.0 OR 43.4.1 DRIVEWAY DEVELOPEMENT DETAIL
  - ANY CUTTING OF EXISTING CURB REQUIRED WILL BE INCLUDED IN THE LINEAR FOOT COST OF CODE 201.0401 "REMOVE AND DISPOSE GRANITE CURB"

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
REVIEWED SITE PLAN, APPLICATION NO.: 4-6132  
DATED JUL 27 2011  
SEE LETTER OF SAME DATE.  
Charles H. Hadden

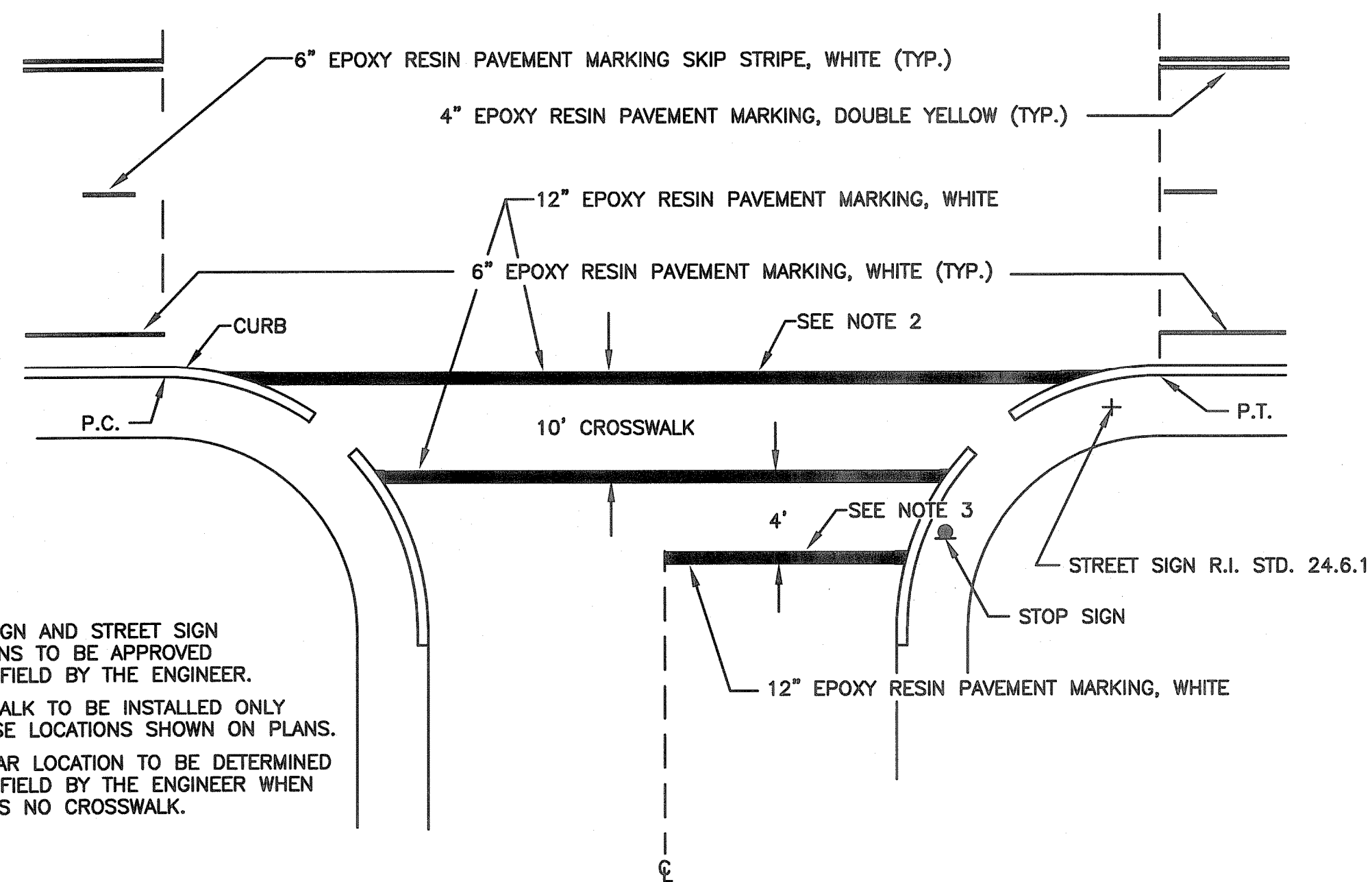
Environmental Management  
JUL 27 2011  
Office of Water Resources

REVISIONS		
NO.	DATE	BY

RHODE ISLAND  
DEPARTMENT OF TRANSPORTATION  
**1R / ARTERIAL IMPROVEMENTS TO ELMWOOD AVENUE CONTRACT 3**  
PROVIDENCE / CRANSTON RHODE ISLAND  
**MISCELLANEOUS DETAILS NO. 2**  
CHECKED BY \_\_\_\_\_ DATE JUNE 2011 SCALE AS NOTED

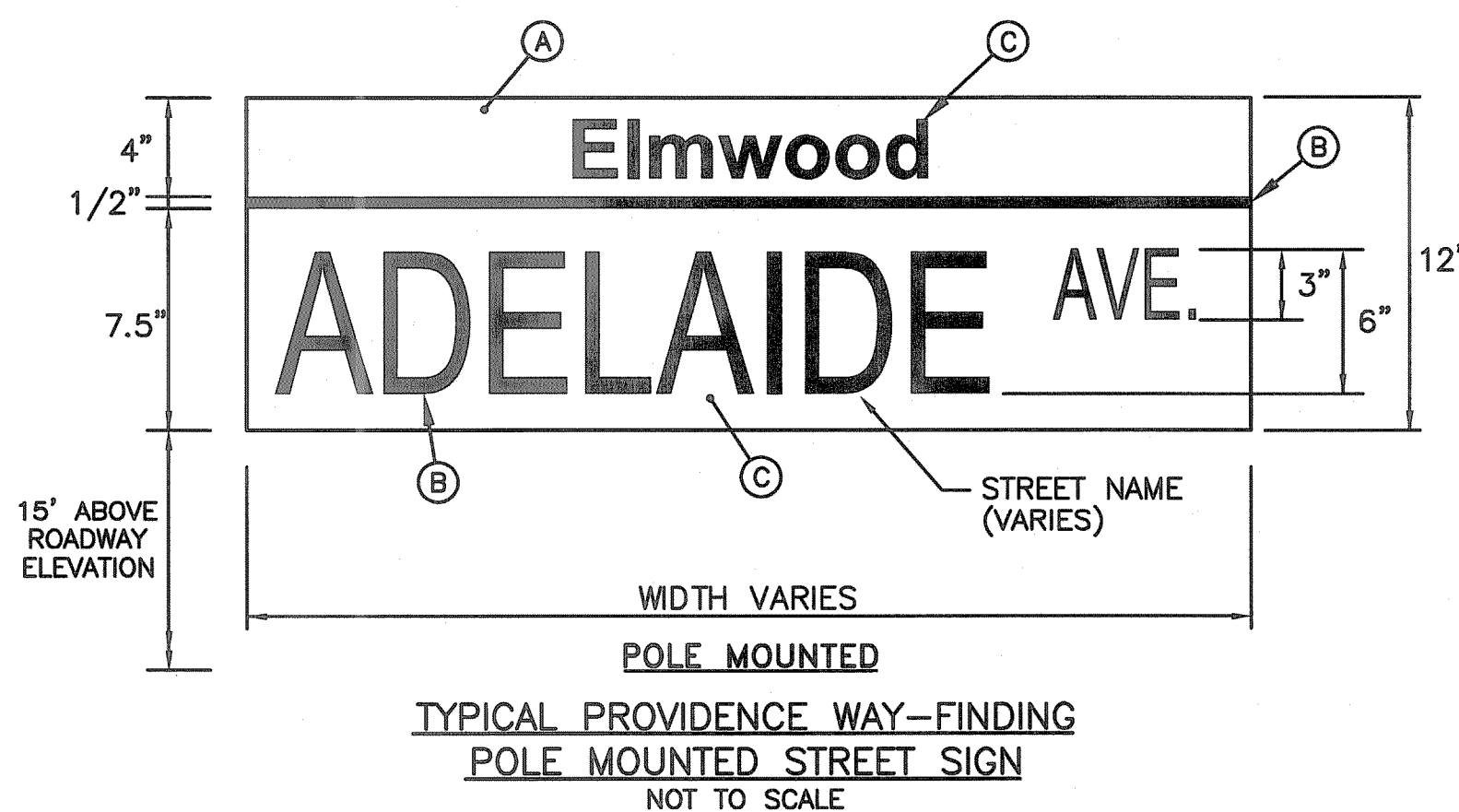
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FED. ROAD DIV. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	R.I.			10	57

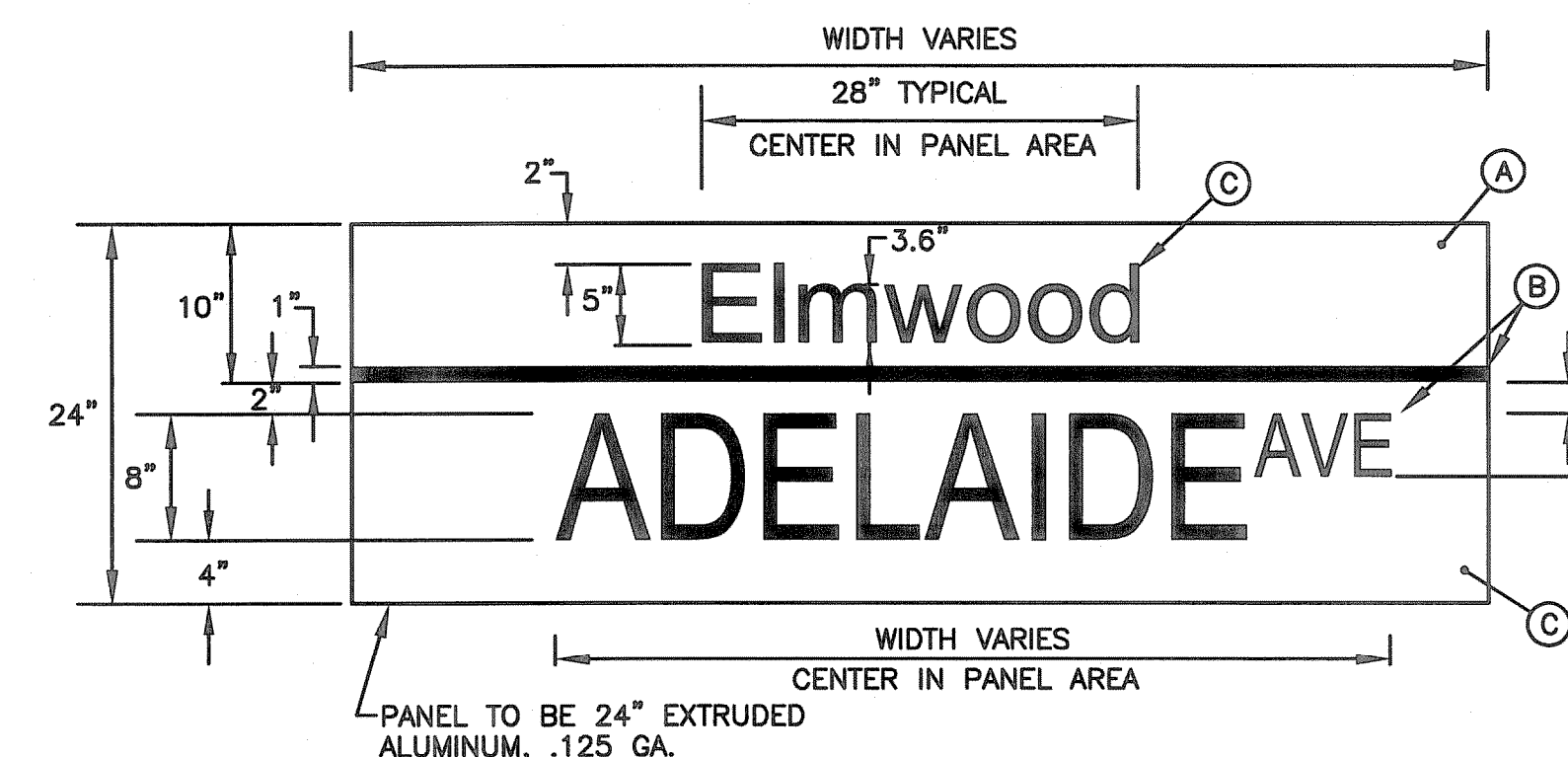


- NOTES:**
1. STOP SIGN AND STREET SIGN LOCATIONS TO BE APPROVED IN THE FIELD BY THE ENGINEER.
  2. CROSSWALK TO BE INSTALLED ONLY AT THOSE LOCATIONS SHOWN ON PLANS.
  3. STOP BAR LOCATION TO BE DETERMINED IN THE FIELD BY THE ENGINEER WHEN THERE IS NO CROSSWALK.

TYPICAL SIGNING AND STRIPING AT SIDE STREETS  
NOT TO SCALE

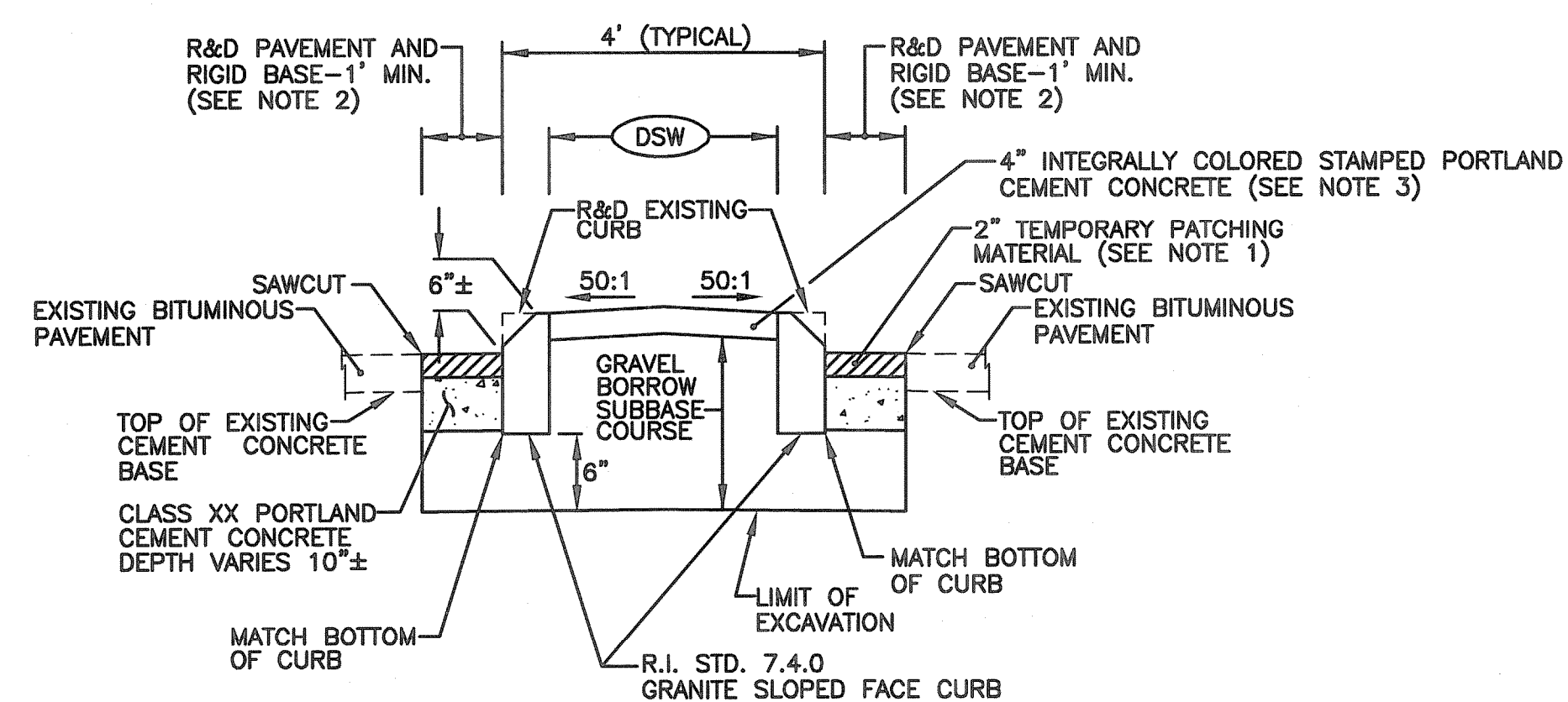


TYPICAL PROVIDENCE WAY-FINDING  
POLE MOUNTED STREET SIGN  
NOT TO SCALE



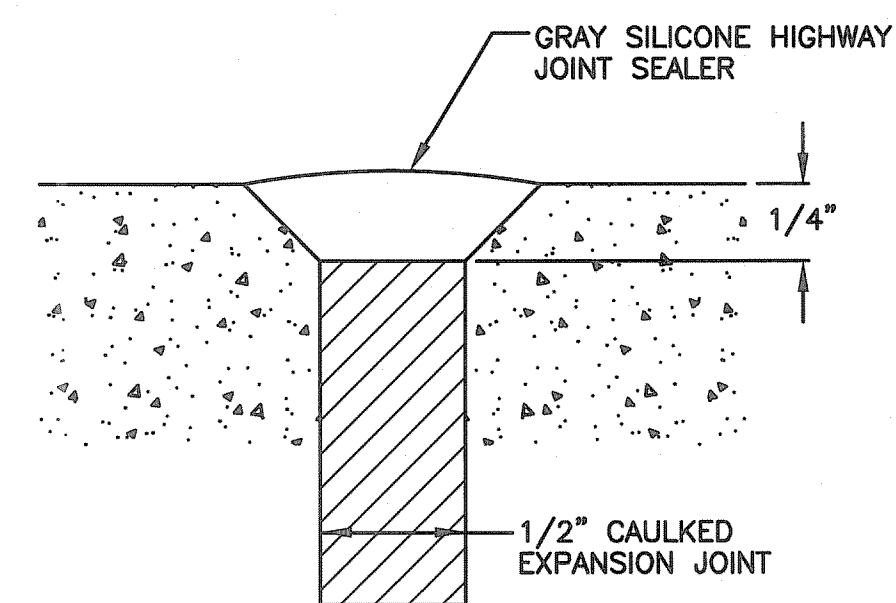
TYPICAL PROVIDENCE WAY-FINDING  
OVERHEAD MOUNTED STREET SIGN  
NOT TO SCALE

- COLOR SCHEME**
- (A) PMS 704
  - (B) PMS 344 2X (BLACK)
  - (C) 3M SCOTCHLITE DIAMOND GRADE REFLECTIVE SHEETING, #980-10 WHITE
- FONTS**
- DISTRICT NAME = ARIAL (100%)
  - STREET NAME = ARIAL (100%)

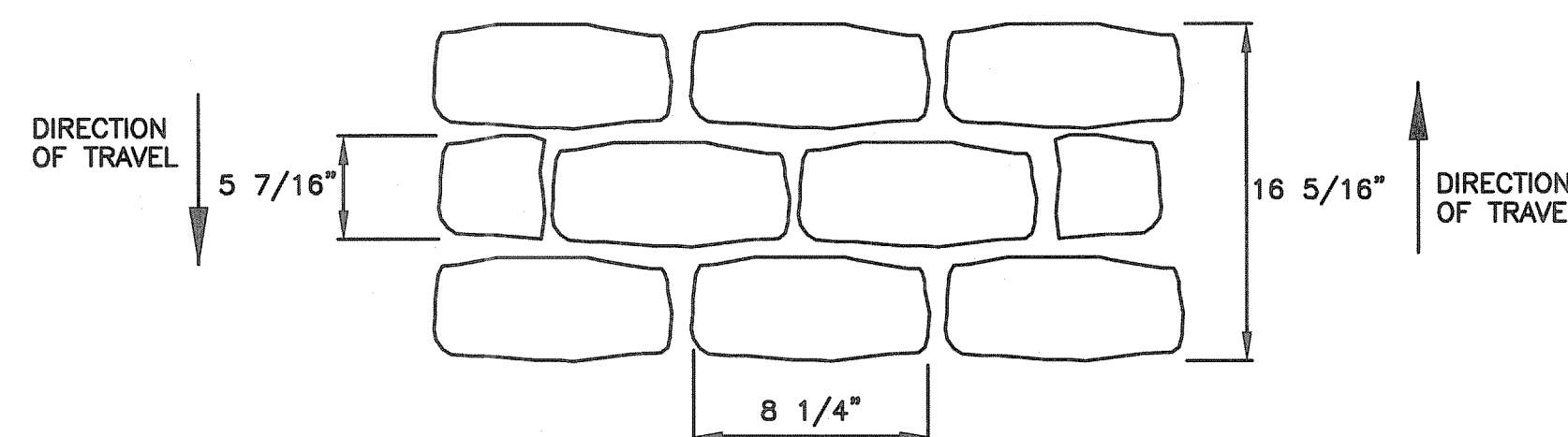


- NOTES:**
1. TEMPORARY PATCHING MATERIAL TO BE COLD PLANED SIMULTANEOUSLY WITH ADJACENT TRAVEL LANES.
  2. INCREASE WIDTH OF PAVEMENT REMOVAL OR PORTLAND CEMENT CONCRETE PATCH AS REQUIRED TO OFFSET PROPOSED MEDIAN CURB FROM SIDE OF ROAD CURB AS INDICATED ON PLANS.
  3. INTEGRALLY COLORED AND STAMPED PORTLAND CONCRETE  
PATTERN: **COBBLE STONE**  
COLOR: SEE SPECIFICATION L15.9901

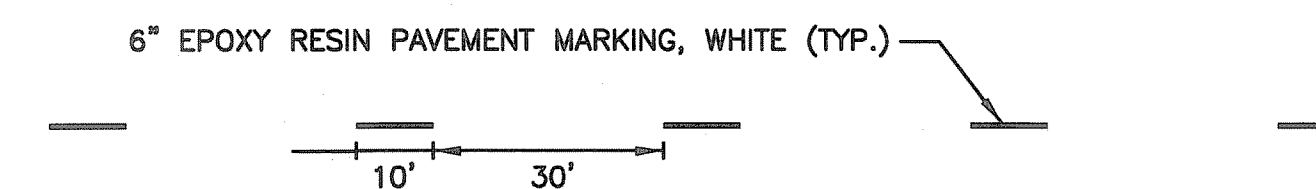
INTEGRALLY COLORED AND STAMPED PORTLAND CEMENT CONCRETE ISLAND DETAIL  
NOT TO SCALE



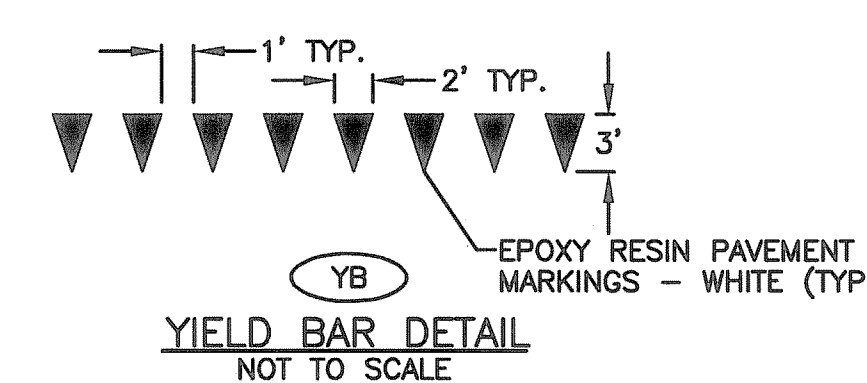
JOINT DETAIL  
NOT TO SCALE



COBBLE STONE PATTERN DETAIL  
NOT TO SCALE



TYPICAL SKIP STRIPING DETAIL  
NOT TO SCALE



YIELD BAR DETAIL  
NOT TO SCALE

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
REVIEWED SITE PLAN APPLICATION NO. 11-0132  
DATED JUL 27 2011  
SEE LETTER OF SAME DATE

*Charles A. Herbert*

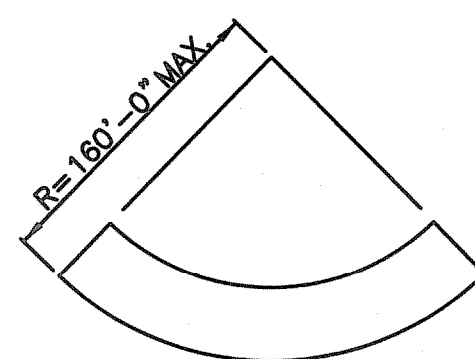
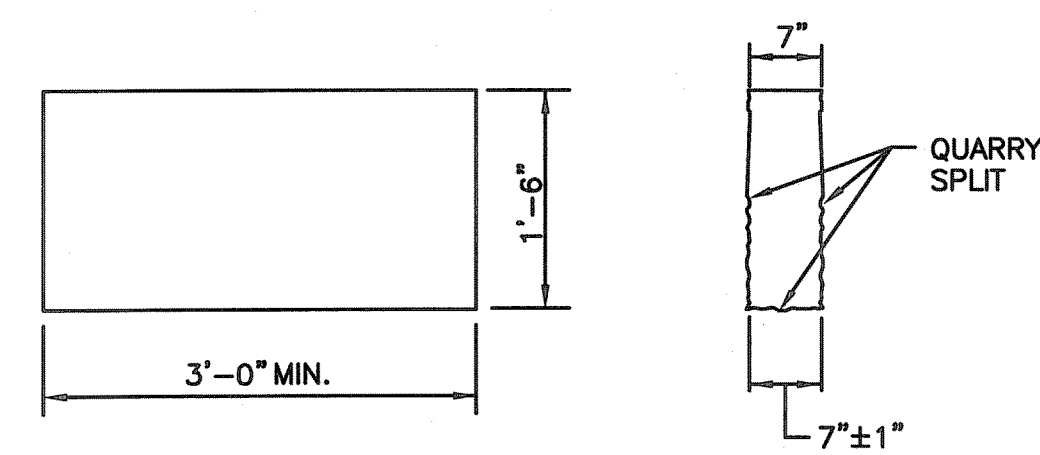
Environmental Management  
1111 31-2011  
Office of Water Resources

REVISIONS			RHODE ISLAND DEPARTMENT OF TRANSPORTATION  1 R / ARTERIAL IMPROVEMENTS TO ELMWOOD AVENUE CONTRACT 3 PROVIDENCE / CRANSTON RHODE ISLAND
NO.	DATE	BY	

**MISCELLANEOUS DETAILS NO. 3**

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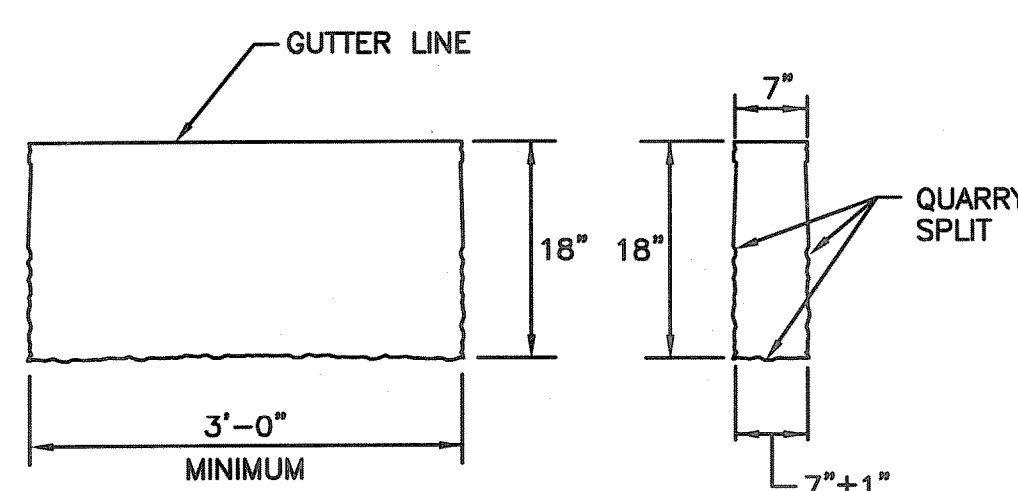
CHECKED BY \_\_\_\_\_ DATE JUNE 2011 SCALE AS NOTED



CIRCULAR CURB

- NOTES:  
 1. SHALL BE IN ACCORDANCE WITH SECTION 906 OF THE R.I. STANDARD SPECIFICATIONS.  
 2. TOP SURFACE TO BE DRESSED BY SAW. REMAINDER TO BE QUARRY SPLIT.  
 3. MINIMUM LENGTH OF STRAIGHT OR CIRCULAR PIECES TO BE 3'-0\"/>

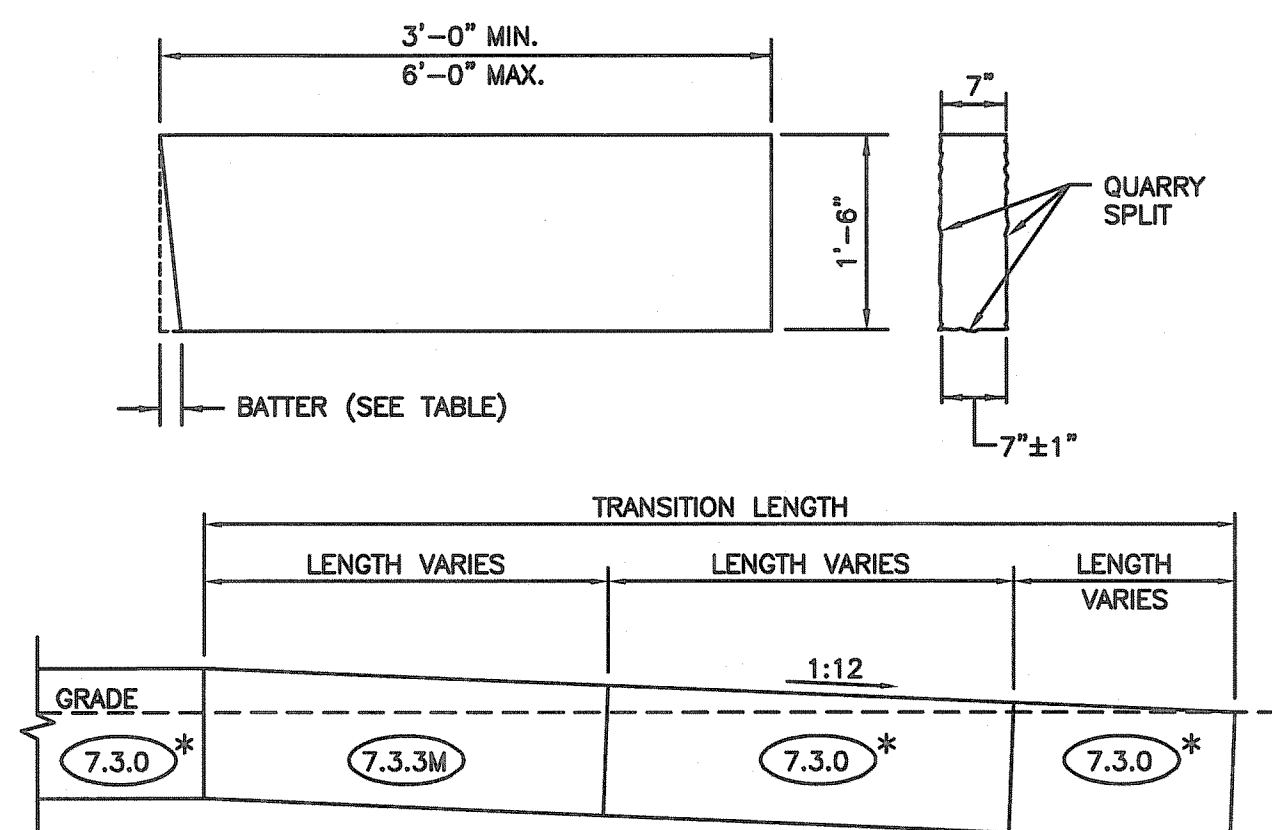
(VFS) OR (VFC)  
**MODIFIED R.I. STANDARD 7.3.0**  
**GRANITE CURB**  
 NOT TO SCALE



CIRCULAR GRANITE RAMP STONE

- NOTES:  
 1. SHALL BE IN ACCORDANCE WITH SECTION 906 OF THE R.I. STANDARD SPECIFICATIONS.  
 2. TOP SURFACE TO BE DRESSED BY SAW TO PROVIDE NO-SLIP SURFACE.  
 3. MINIMUM LENGTH OF STRAIGHT OR CIRCULAR RAMP STONE TO BE 3'-0\"/>

(7.3.9M)  
**MODIFIED R.I. STANDARD 7.3.9**  
**GRANITE RAMP STONE**  
 NOT TO SCALE

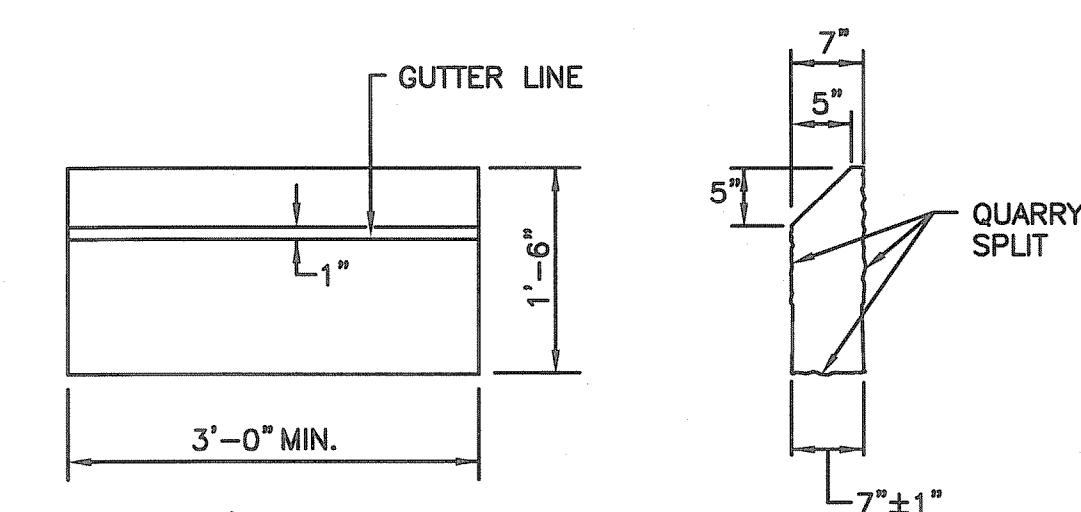


TRANSITION LENGTH (FT.)	BATTER (IN.)
6.0	1.5
7.0	1.3
8.0	1.2
9.5	1.0
11.5	0.8
15.0	0.6
18.0	0.5

\* MODIFIED SEE DETAIL VFS OR VFC THIS SHEET

- NOTES:  
 1. SHALL BE IN ACCORDANCE WITH SECTION 906 OF THE R.I. STANDARD SPECIFICATIONS.  
 2. THE CONTRACTOR MAY CUT EXISTING CURB SECTIONS AS REQUIRED TO MEET THIS DETAIL AND THE R.I. STANDARD SPECIFICATIONS, WHERE OLD CURBING IS BEING REUSED.  
 3. MINIMUM LENGTH OF STRAIGHT OR CIRCULAR CURB FILLER PIECES TO BE 3'-0\"/>

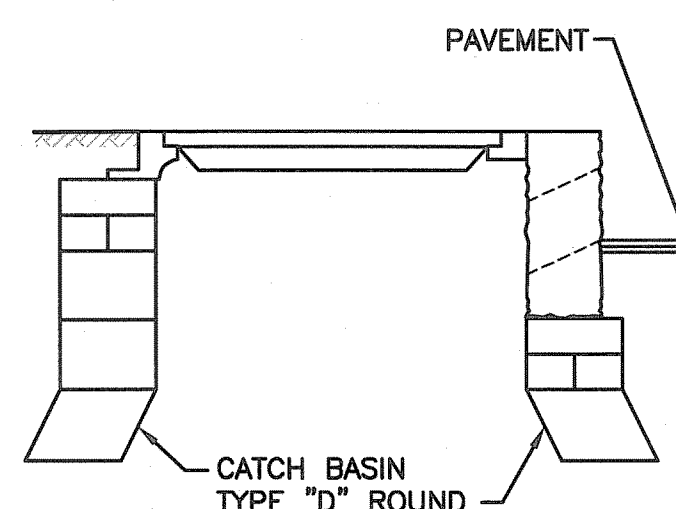
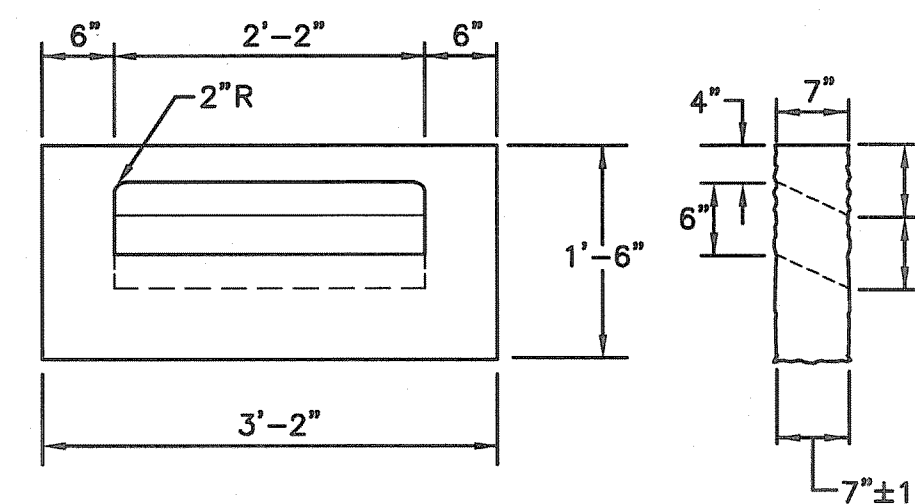
**MODIFIED R.I. STANDARD 7.3.3**  
**GRANITE WHEELCHAIR RAMP**  
**TRANSITION CURB**  
 NOT TO SCALE



CIRCULAR CURB

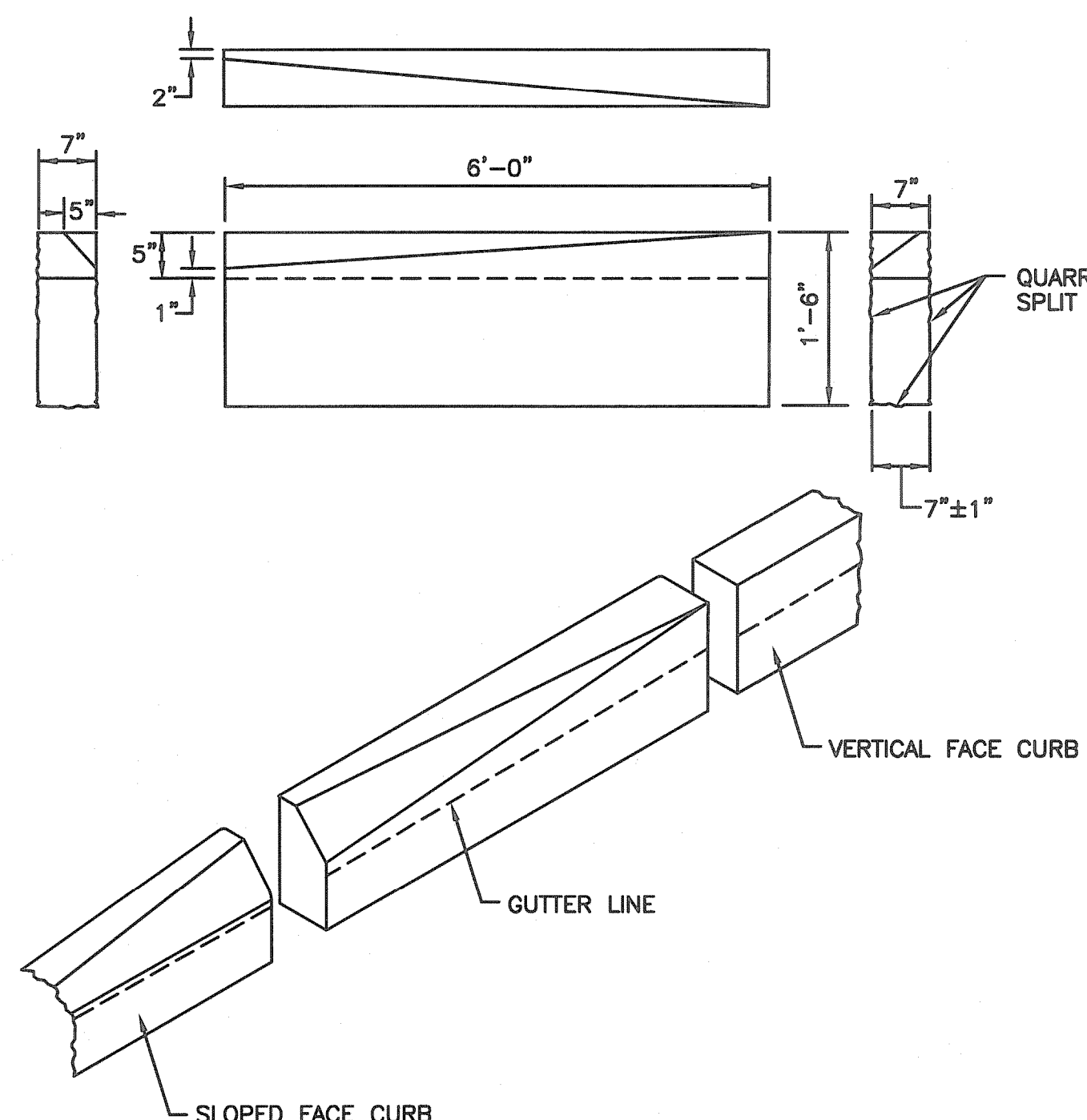
- NOTES:  
 1. SHALL BE IN ACCORDANCE WITH SECTION 906 OF THE R.I. STANDARD SPECIFICATIONS.  
 2. TOP SURFACE AND SLOPED SURFACE TO BE DRESSED BY SAW. REMAINDER TO BE QUARRY SPLIT.  
 3. MINIMUM LENGTH OF STRAIGHT OR CIRCULAR PIECES TO BE 3'-0\"/>

(SFC) OR (SFS)  
**MODIFIED R.I. STD. 7.4.0**  
**GRANITE SLOPED FACE CURB**  
 NOT TO SCALE



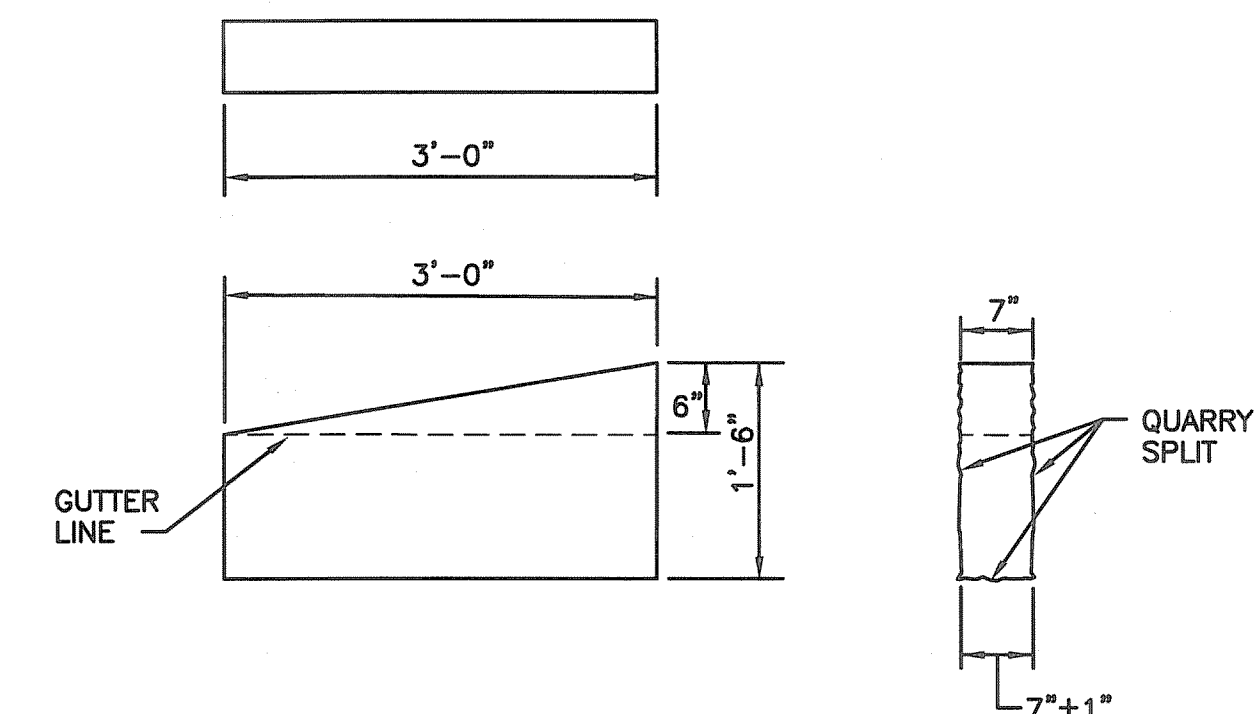
- NOTES:  
 1. SHALL BE IN ACCORDANCE WITH SECTION 906 OF THE R.I. STANDARD SPECIFICATIONS.  
 2. TOP SURFACE TO BE DRESSED BY SAW. REMAINDER TO BE QUARRY SPLIT.

(INS)  
**MODIFIED R.I. STANDARD 7.3.6**  
**GRANITE INLET STONE**  
 NOT TO SCALE



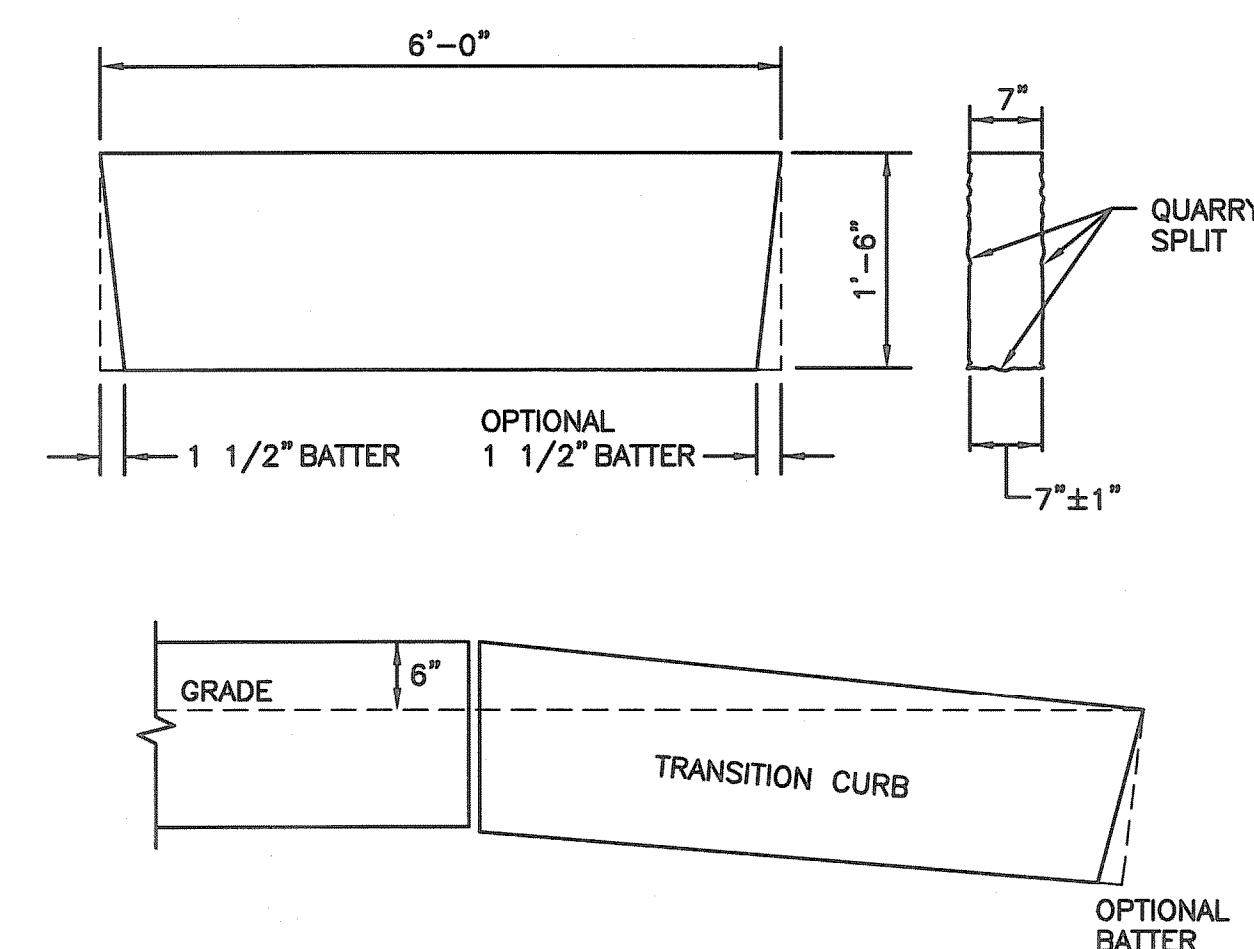
- NOTES:  
 1. SHALL BE IN ACCORDANCE WITH SECTION 906 OF THE R.I. STANDARD SPECIFICATIONS.  
 2. TOP SURFACE AND SLOPED SURFACE TO BE DRESSED BY SAW. REMAINDER TO BE QUARRY SPLIT.  
 3. DRAWING SHOWS TRANSITION CURB FOR ONE DIRECTION. FOR OTHER DIRECTION USE OPPOSITE HAND.

(SFT)  
**MODIFIED R.I. STD. 7.4.2**  
**GRANITE TRANSITION CURB**  
**(VERTICAL FACE TO SLOPED FACE)**  
 NOT TO SCALE



- NOTES:  
 1. SHALL BE IN ACCORDANCE WITH SECTION 906 OF THE R.I. STANDARD SPECIFICATIONS.  
 2. TOP SURFACE TO BE DRESSED BY SAW. REMAINDER TO BE QUARRY SPLIT.

(GT3)  
**MODIFIED R.I. STANDARD 7.3.1**  
**3'-0\"/>
 NOT TO SCALE**



- NOTES:  
 1. SHALL BE IN ACCORDANCE WITH SECTION 906 OF THE R.I. STANDARD SPECIFICATIONS.  
 2. THE CONTRACTOR MAY CUT EXISTING CURB SECTIONS AS REQUIRED TO MEET THIS DETAIL AND THE R.I. STANDARD SPECIFICATIONS, WHERE OLD CURBING IS BEING REUSED.  
 3. TOP SURFACE TO BE DRESSED BY SAW. REMAINDER TO BE QUARRY SPLIT.

FRESHWATER WETLANDS PROGRAM  
 REVIEWED SITE PLAN APPLICATION NO.: 11-0132  
 DATED: JUL 27 2011  
 SEE LETTER OF SAME  
**MODIFIED R.I. STANDARD 7.3.2**  
**6'-0\"/>
 NOT TO SCALE**

REVISIONS

NO.	DATE	BY

RHODE ISLAND  
 DEPARTMENT OF TRANSPORTATION

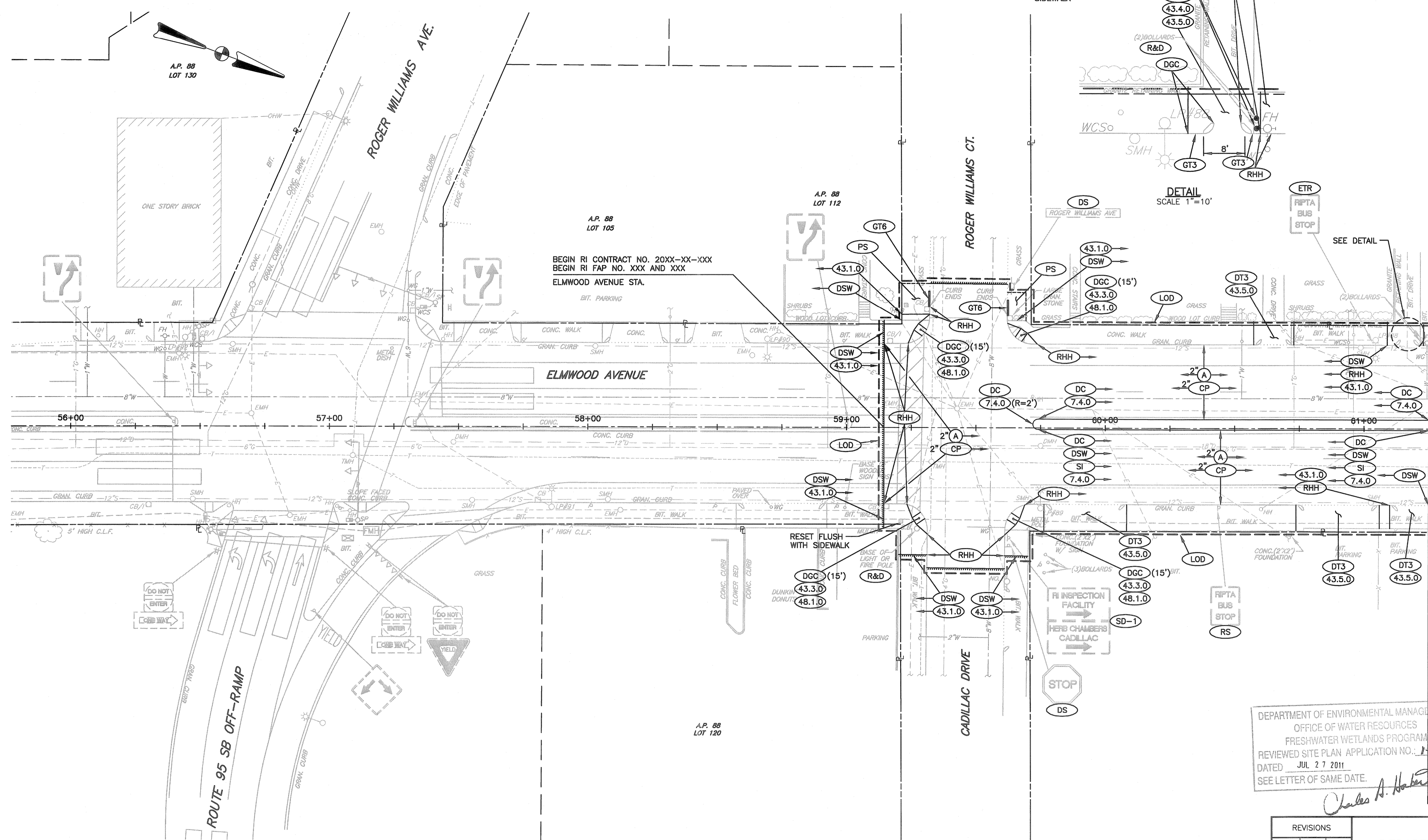
1R / ARTERIAL IMPROVEMENTS TO  
 ELMWOOD AVENUE  
 CONTRACT 3

PROVIDENCE / CRANSTON RHODE ISLAND

MISCELLANEOUS DETAILS NO. 4

CHECKED BY \_\_\_\_\_ DATE: JUNE 2011 SCALE: AS NOTED

**CROSSMAN ENGINEERING**  
 | a division of Crossman Corporation |  
 151 Centerville Road | Warwick, Rhode Island 02886



NOTE: MAINTAIN 4' MIN. SIDEWALK CLEARANCE BETWEEN HEAVY DUTY FLEXIBLE TUBULAR MARKER AND BACK OF SIDEWALK

DETAIL SCALE 1"=10'

NOTE: ALL PROPERTY LINES SHOWN ON THIS PLAN ARE APPROXIMATE.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PROGRAM  
 REVIEWED SITE PLAN APPLICATION NO.: 11032  
 DATED JUL 27 2011  
 SEE LETTER OF SAME DATE.  
*Charles A. Harter*

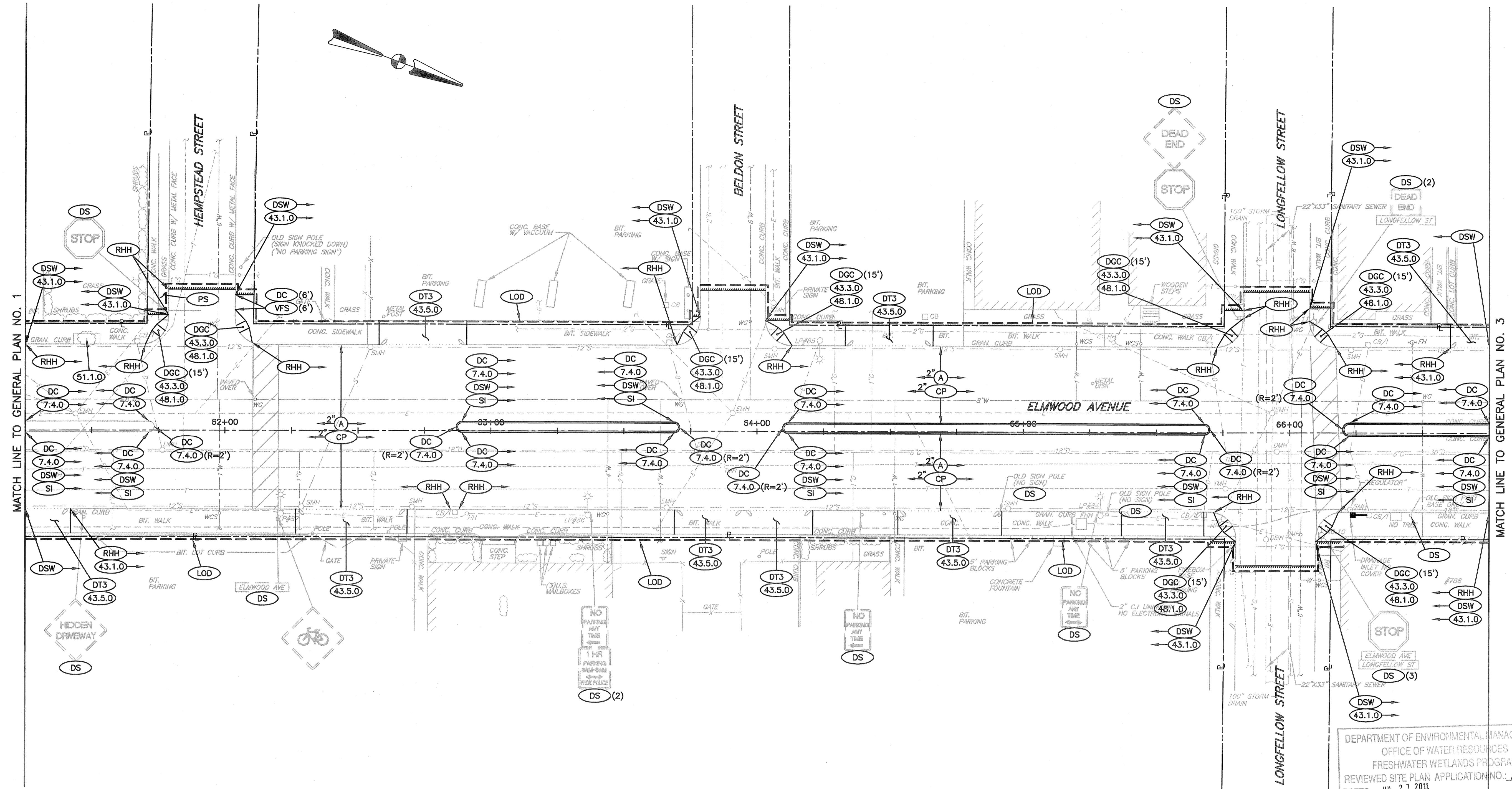
REVISIONS		
NO.	DATE	BY

**RHODE ISLAND**  
**DEPARTMENT OF TRANSPORTATION**  
**1R / ARTERIAL IMPROVEMENTS TO**  
**ELMWOOD AVENUE**  
**CONTRACT 3**  
 PROVIDENCE / CRANSTON RHODE ISLAND

**GENERAL PLAN NO. 1**

**CROSSMAN ENGINEERING**  
 | a division of Crossman Corporation |  
 151 Centerville Road | Warwick, Rhode Island 02886

CHECKED BY \_\_\_\_\_ DATE JUNE 2011 SCALE 1"=20'



NOTE: ALL PROPERTY LINES SHOWN ON THIS PLAN ARE APPROXIMATE.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PROGRAM  
 REVIEWED SITE PLAN APPLICATION NO.: 11-0132  
 DATED JUL 27 2011  
 SEE LETTER OF SAME DATE.

Environmental Management  
 JUL 27 2011  
 Office of Water Resources

REVISIONS		
NO.	DATE	BY

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION**

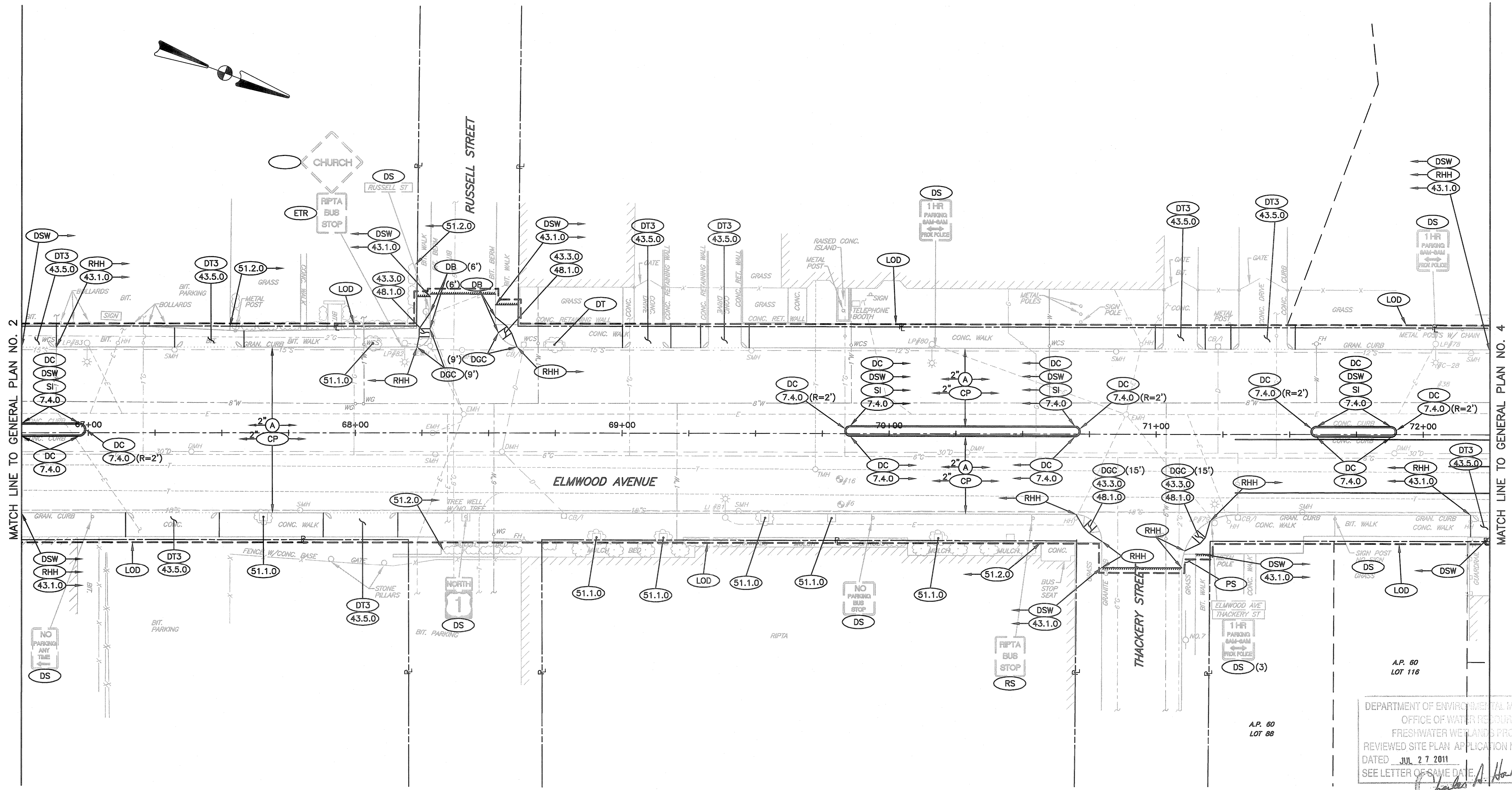
**1R / ARTERIAL IMPROVEMENTS TO ELMWOOD AVENUE CONTRACT 3**

PROVIDENCE / CRANSTON RHODE ISLAND

**GENERAL PLAN NO. 2**

CHECKED BY: \_\_\_\_\_ DATE: JUNE 2011 SCALE: 1"=20'

**CROSSMAN ENGINEERING**  
 | a division of Crossman Corporation |  
 151 Centerville Road | Warwick, Rhode Island 02886



NOTE: ALL PROPERTY LINES SHOWN ON THIS PLAN ARE APPROXIMATE.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PROGRAM  
 REVIEWED SITE PLAN APPLICATION NO. 11-02  
 DATED JUL 27 2011  
 SEE LETTER OF SAME DATE

*Charles A. Haber*

Office of Water Resources

REVISIONS		
NO.	DATE	BY

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION**

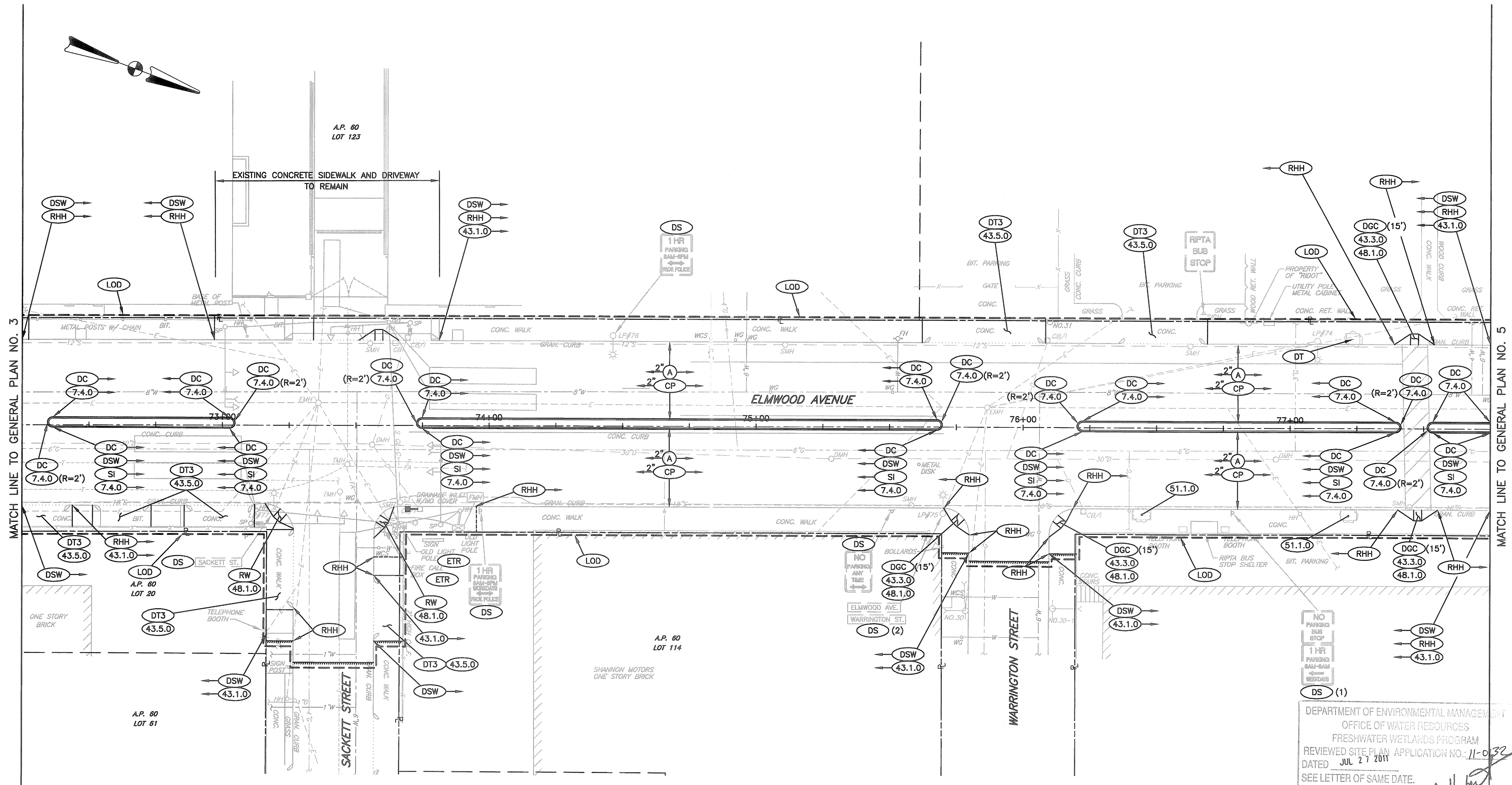
**1 R / ARTERIAL IMPROVEMENTS TO ELMWOOD AVENUE CONTRACT 3**

PROVIDENCE / CRANSTON RHODE ISLAND

**GENERAL PLAN NO. 3**

**CROSSMAN ENGINEERING**  
 | a division of Crossman Corporation |  
 151 Centerville Road | Warwick, Rhode Island 02886

CHECKED BY \_\_\_\_\_ DATE JUNE 2011 SCALE 1"=20'



MATCH LINE TO GENERAL PLAN NO. 3

MATCH LINE TO GENERAL PLAN NO. 5

NOTE: ALL PROPERTY LINES SHOWN ON THIS PLAN ARE APPROXIMATE.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
REVIEWED SITE PLAN APPLICATION NO. 11-032  
DATED JUL 27 2011  
SEE LETTER OF SAME DATE.

Environmental Management  
JUL 27 2011  
Office of Water Resources

REVISIONS		
NO.	DATE	BY

**RHODE ISLAND**  
**DEPARTMENT OF TRANSPORTATION**

**1R / ARTERIAL IMPROVEMENTS TO**  
**ELMWOOD AVENUE**  
**CONTRACT 3**

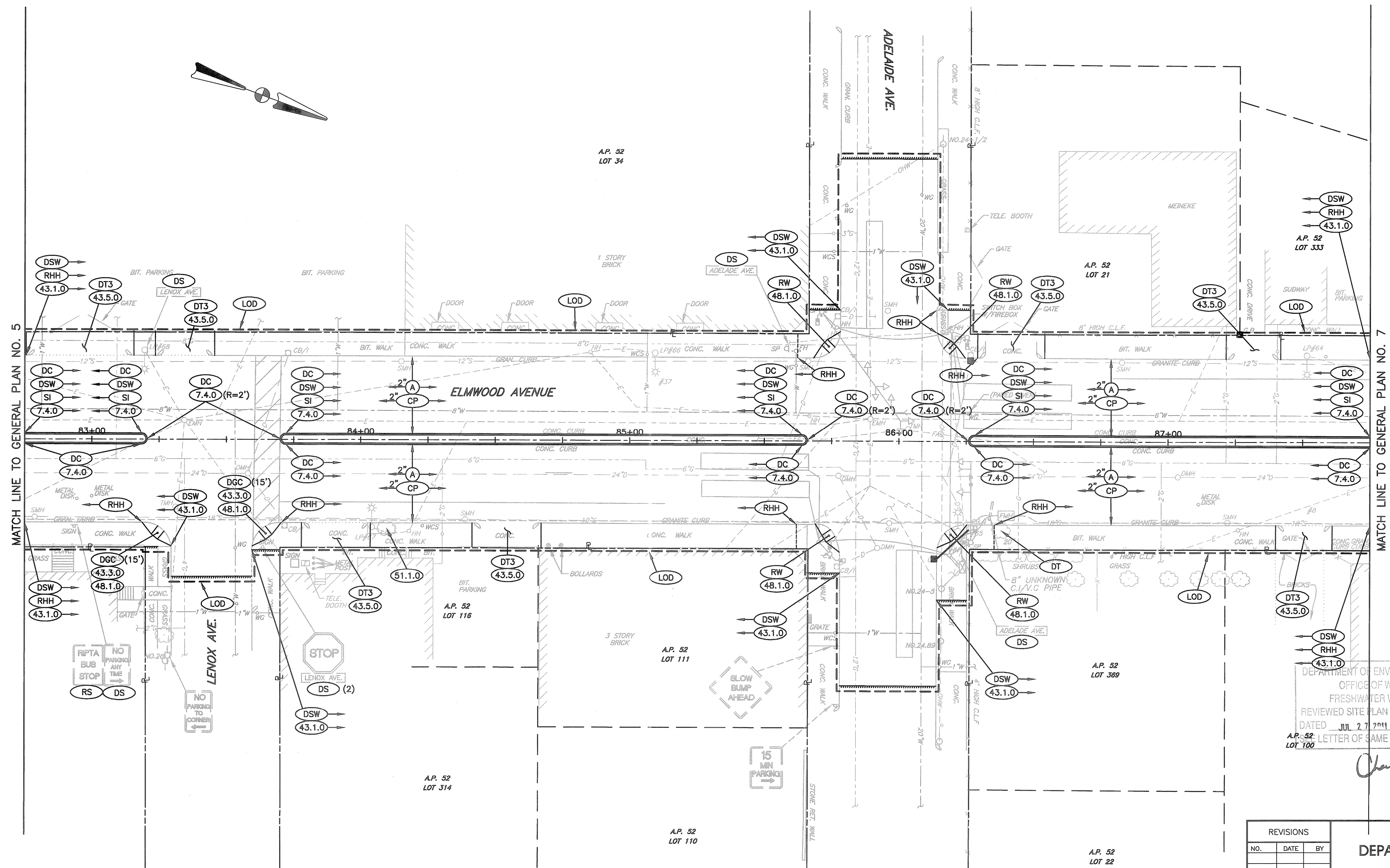
PROVIDENCE / CRANSTON RHODE ISLAND

**GENERAL PLAN NO. 4**

**CROSSMAN ENGINEERING**  
| a division of Crossman Corporation |  
151 Centerville Road | Warwick, Rhode Island 02886

CHECKED BY \_\_\_\_\_ DATE JUNE 2011 SCALE 1"=20'





NOTE: ALL PROPERTY LINES SHOWN ON THIS PLAN ARE APPROXIMATE.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PROGRAM  
 REVIEWED SITE PLAN APPLICATION NO.: 11-0192  
 DATED JUL 27 2011  
 A.P. 52 LOT 100 LETTER OF SAME DATE.  
*Charles A. Herbert*  
 Environmental Management  
 Office of Water Resources

REVISIONS		
NO.	DATE	BY

**RHODE ISLAND**  
**DEPARTMENT OF TRANSPORTATION**

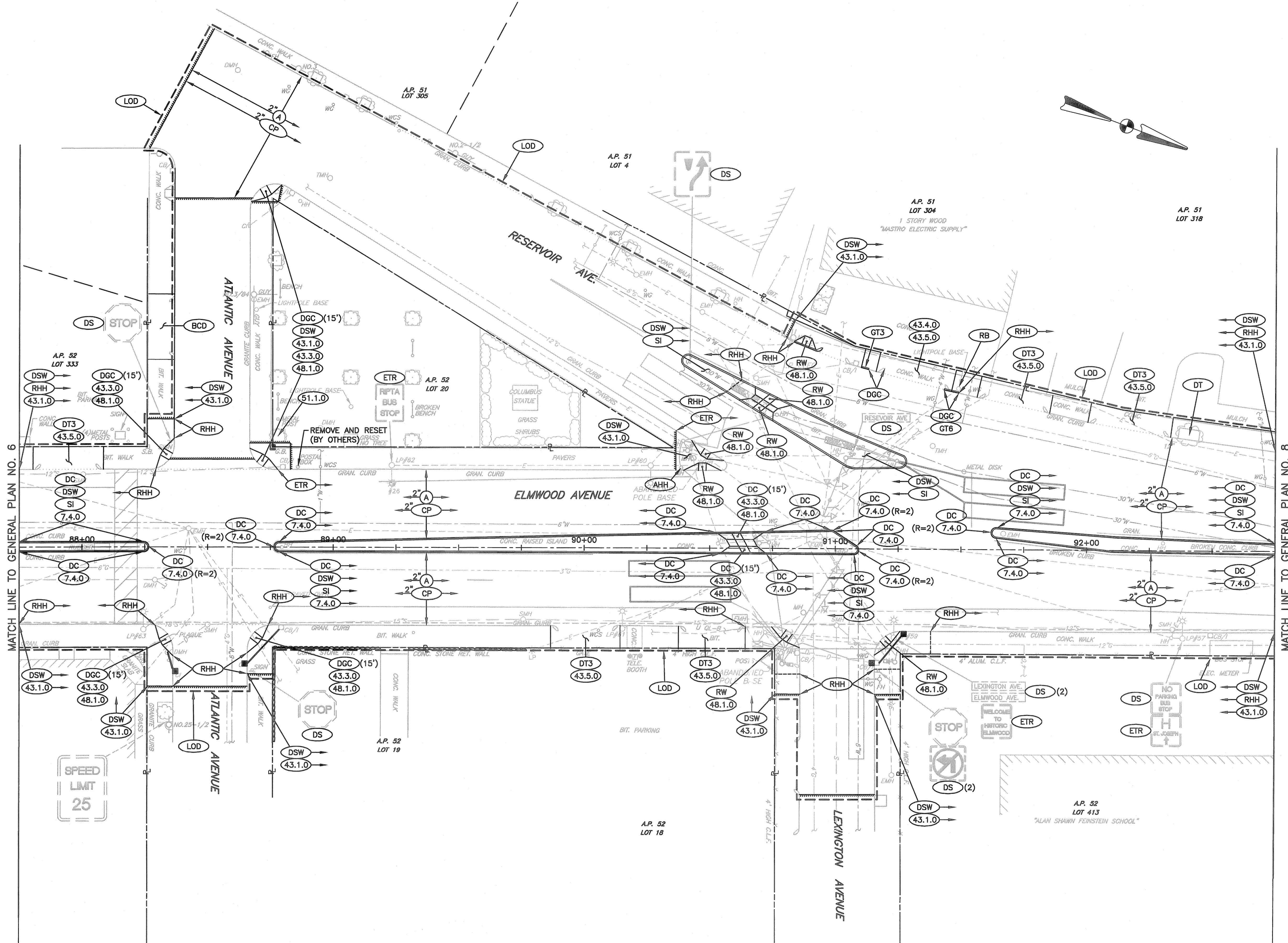
**1R / ARTERIAL IMPROVEMENTS TO**  
**ELMWOOD AVENUE**  
**CONTRACT 3**

PROVIDENCE / CRANSTON RHODE ISLAND

**GENERAL PLAN NO. 6**

CHECKED BY \_\_\_\_\_ DATE JUNE 2011 SCALE 1"=20'

**CROSSMAN ENGINEERING**  
 | a division of Crossman Corporation |  
 151 Centerville Road | Warwick, Rhode Island 02886



MATCH LINE TO GENERAL PLAN NO. 6

MATCH LINE TO GENERAL PLAN NO. 8

NOTE: ALL PROPERTY LINES SHOWN ON THIS PLAN ARE APPROXIMATE.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PROGRAM  
 REVIEWED SITE PLAN APPLICATION NO.: 11-0192  
 DATED JUL 27 2011  
 SEE LETTER OF SAME DATE.

*Charles A. Hansen*

REVISIONS		
NO.	DATE	BY

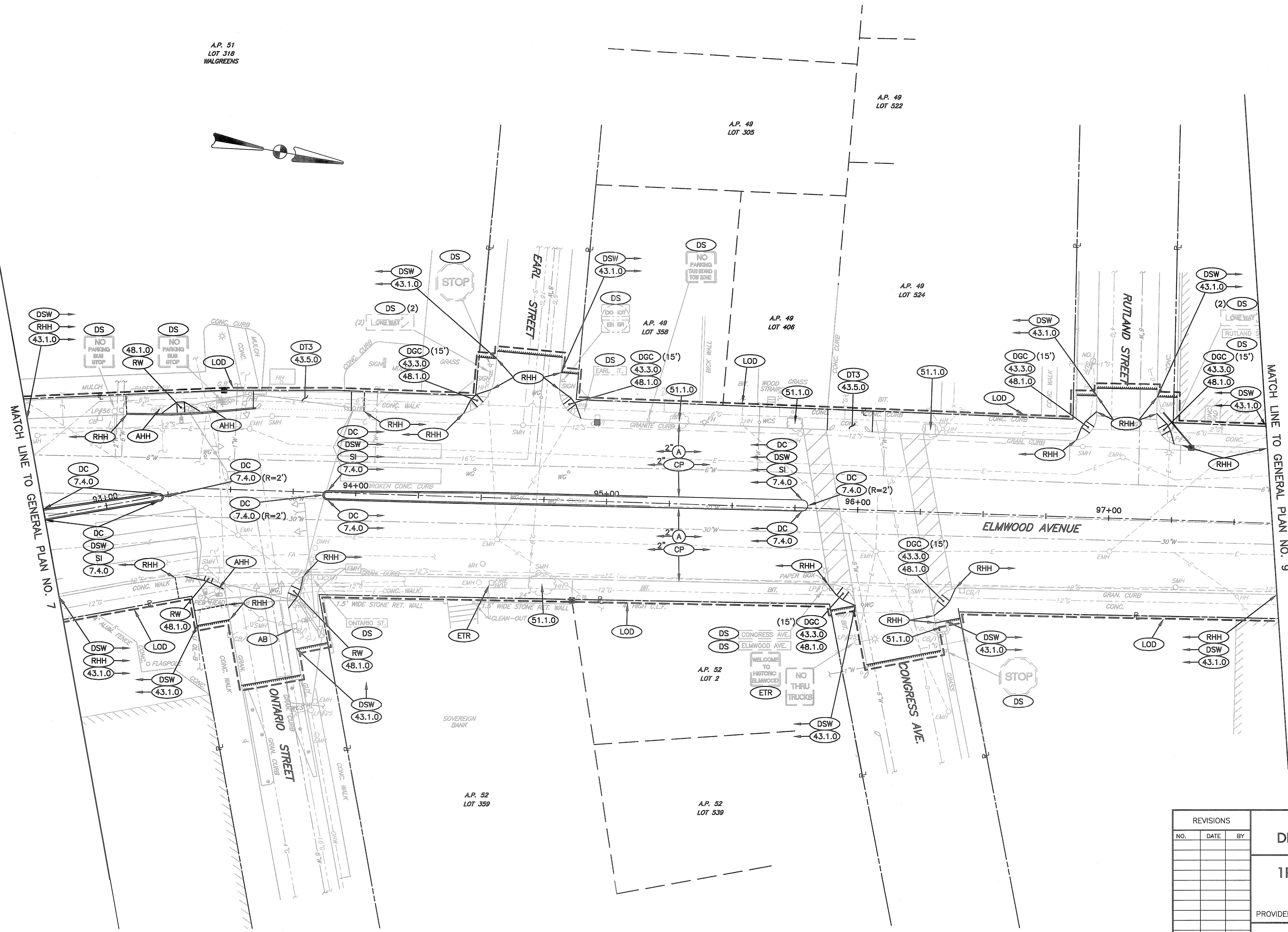
**RHODE ISLAND DEPARTMENT OF TRANSPORTATION**

**1R / ARTERIAL IMPROVEMENTS TO ELMWOOD AVENUE CONTRACT 3**

PROVIDENCE / CRANSTON RHODE ISLAND

**GENERAL PLAN NO. 7**

CHECKED BY \_\_\_\_\_ DATE JUNE 2011 SCALE 1"=20'



A.P. 51  
LOT 318  
WALGREENS

A.P. 49  
LOT 522

A.P. 49  
LOT 305

A.P. 49  
LOT 524

A.P. 49  
LOT 358

A.P. 49  
LOT 406

A.P. 52  
LOT 359

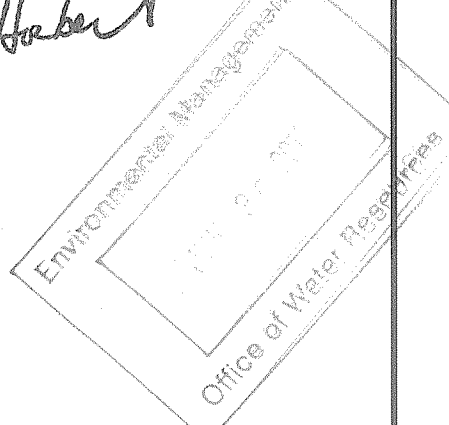
A.P. 52  
LOT 539

MATCH LINE TO GENERAL PLAN NO. 9

MATCH LINE TO GENERAL PLAN NO. 7

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
REVIEWED SITE PLAN APPLICATION NO.: 11-0132  
DATED JUL 27 2011  
SEE LETTER OF SAME DATE.

*Charles A. Habert*



REVISIONS		
NO.	DATE	BY

**RHODE ISLAND  
DEPARTMENT OF TRANSPORTATION**

**1R / ARTERIAL IMPROVEMENTS TO  
ELMWOOD AVENUE  
CONTRACT 3**

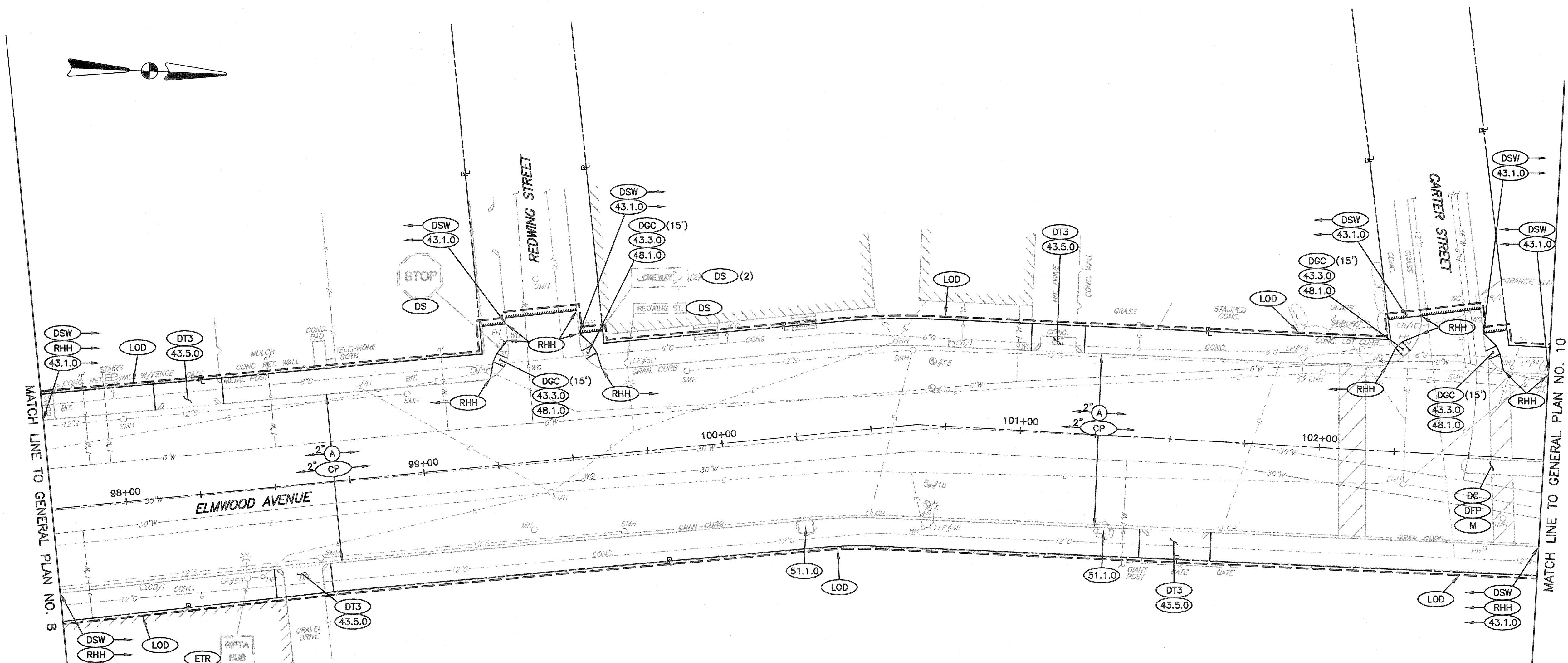
PROVIDENCE / CRANSTON RICHMOND RIVER / RHODE ISLAND

**GENERAL PLAN NO. 8**

CHECKED BY \_\_\_\_\_ DATE JUNE 2011 SCALE 1"=20'

NOTE: ALL PROPERTY LINES SHOWN ON THIS PLAN ARE APPROXIMATE.

**CROSSMAN ENGINEERING**  
a division of Crossman Corporation |  
151 Centerville Road | Warwick, Rhode Island 02886



NOTE: ALL PROPERTY LINES SHOWN ON THIS PLAN ARE APPROXIMATE.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PROGRAM  
 REVIEWED SITE PLAN APPLICATION NO.: 11-0192  
 DATED JUL 27 2011  
 SEE LETTER OF SAME DATE.

*Charles A. Harbert*

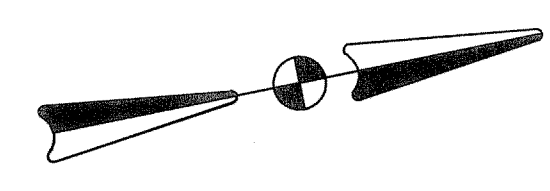
REVISIONS		
NO.	DATE	BY

**RHODE ISLAND**  
**DEPARTMENT OF TRANSPORTATION**  
  
**1R / ARTERIAL IMPROVEMENTS TO**  
**ELMWOOD AVENUE**  
**CONTRACT 3**  
 PROVIDENCE / CRANSTON RHODE ISLAND

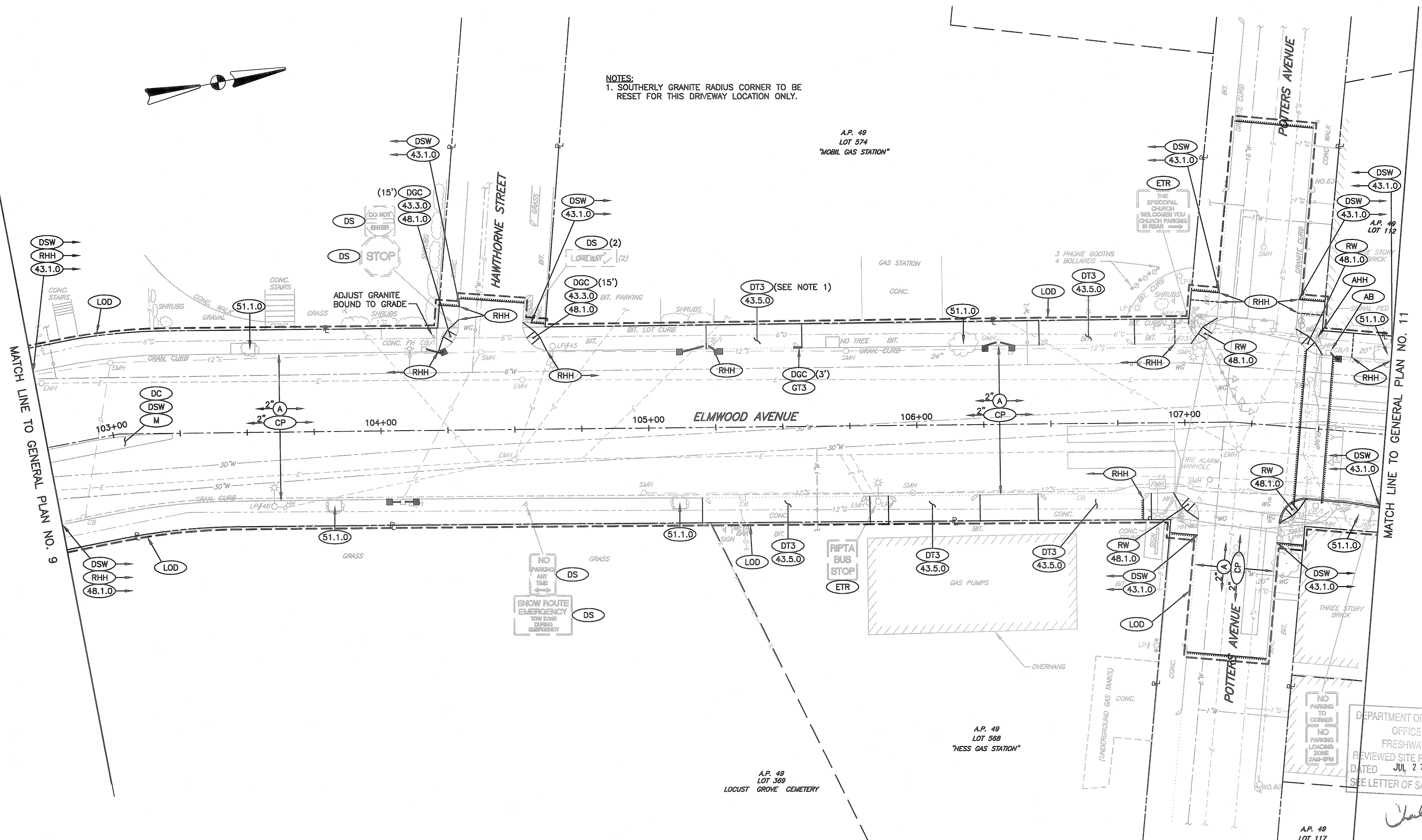
**GENERAL PLAN NO. 9**

**CROSSMAN ENGINEERING**  
 a division of Crossman Corporation  
 151 Centerville Road | Warwick, Rhode Island 02886

CHECKED BY \_\_\_\_\_ DATE JUNE 2011 SCALE 1"=20'



NOTES:  
 1. SOUTHERLY GRANITE RADIUS CORNER TO BE RESET FOR THIS DRIVEWAY LOCATION ONLY.



NOTE: ALL PROPERTY LINES SHOWN ON THIS PLAN ARE APPROXIMATE.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PROGRAM  
 REVIEWED SITE PLAN APPLICATION NO.: 11-0182  
 DATED JUL 27 2011  
 SEE LETTER OF SAME DATE

*Charles A. Hadden*

A.P. 49 LOT 117

REVISIONS		
NO.	DATE	BY

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION**

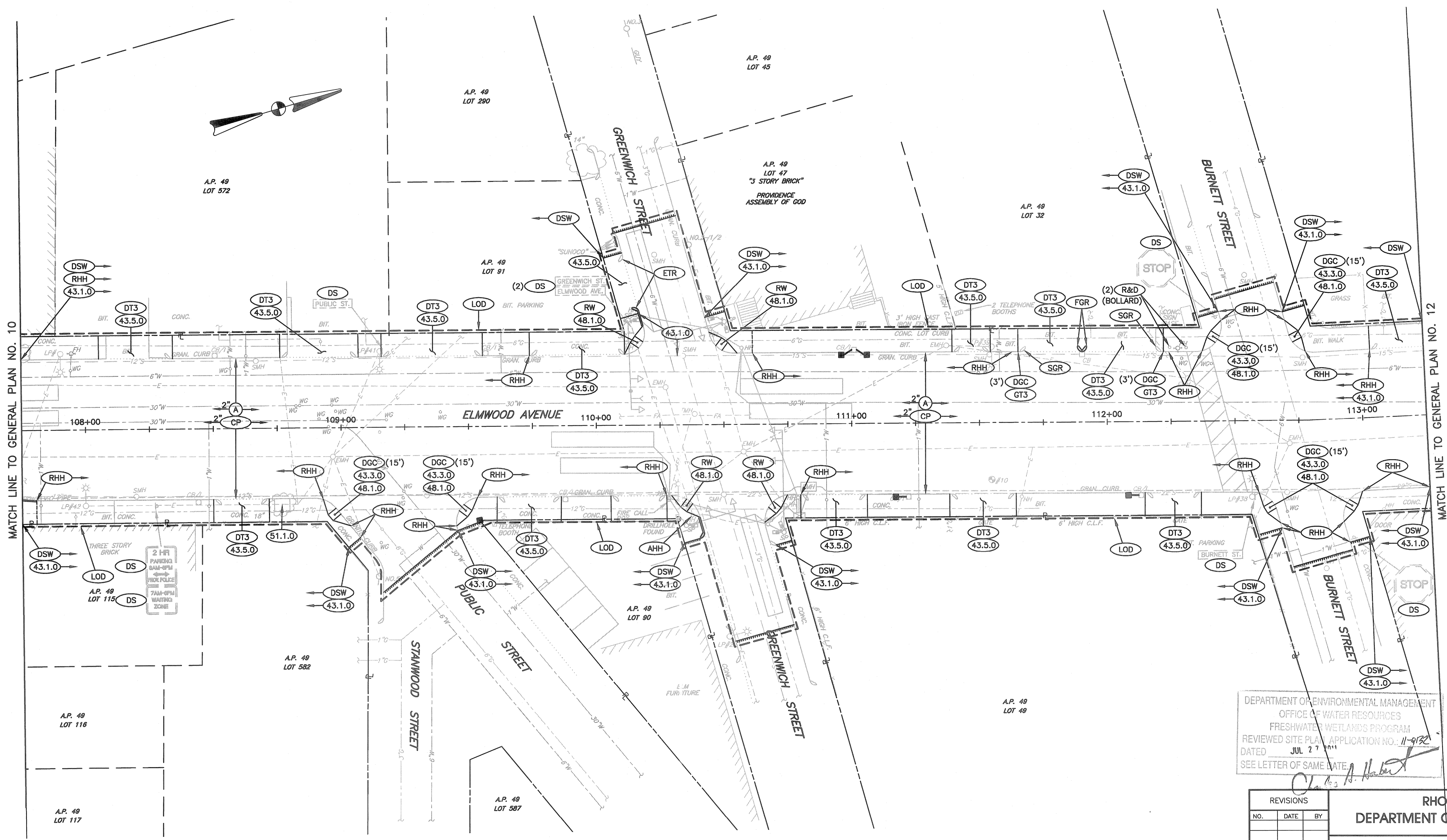
**1R / ARTERIAL IMPROVEMENTS TO ELMWOOD AVENUE CONTRACT 3**

PROVIDENCE / CRANSTON RHODE ISLAND

**GENERAL PLAN NO. 10**

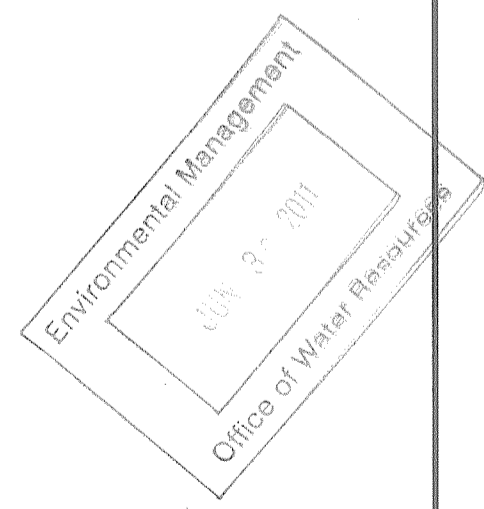
**CROSSMAN ENGINEERING**  
 | a division of Crossman Corporation |  
 151 Centerville Road | Warwick, Rhode Island 02886

CHECKED BY \_\_\_\_\_ DATE JUNE 2011 SCALE 1"=20'



NOTE: ALL PROPERTY LINES SHOWN ON THIS PLAN ARE APPROXIMATE.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
REVIEWED SITE PLAN APPLICATION NO. 11-9132  
DATED JUL 27 2011  
SEE LETTER OF SAME DATE



REVISIONS		
NO.	DATE	BY

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION**

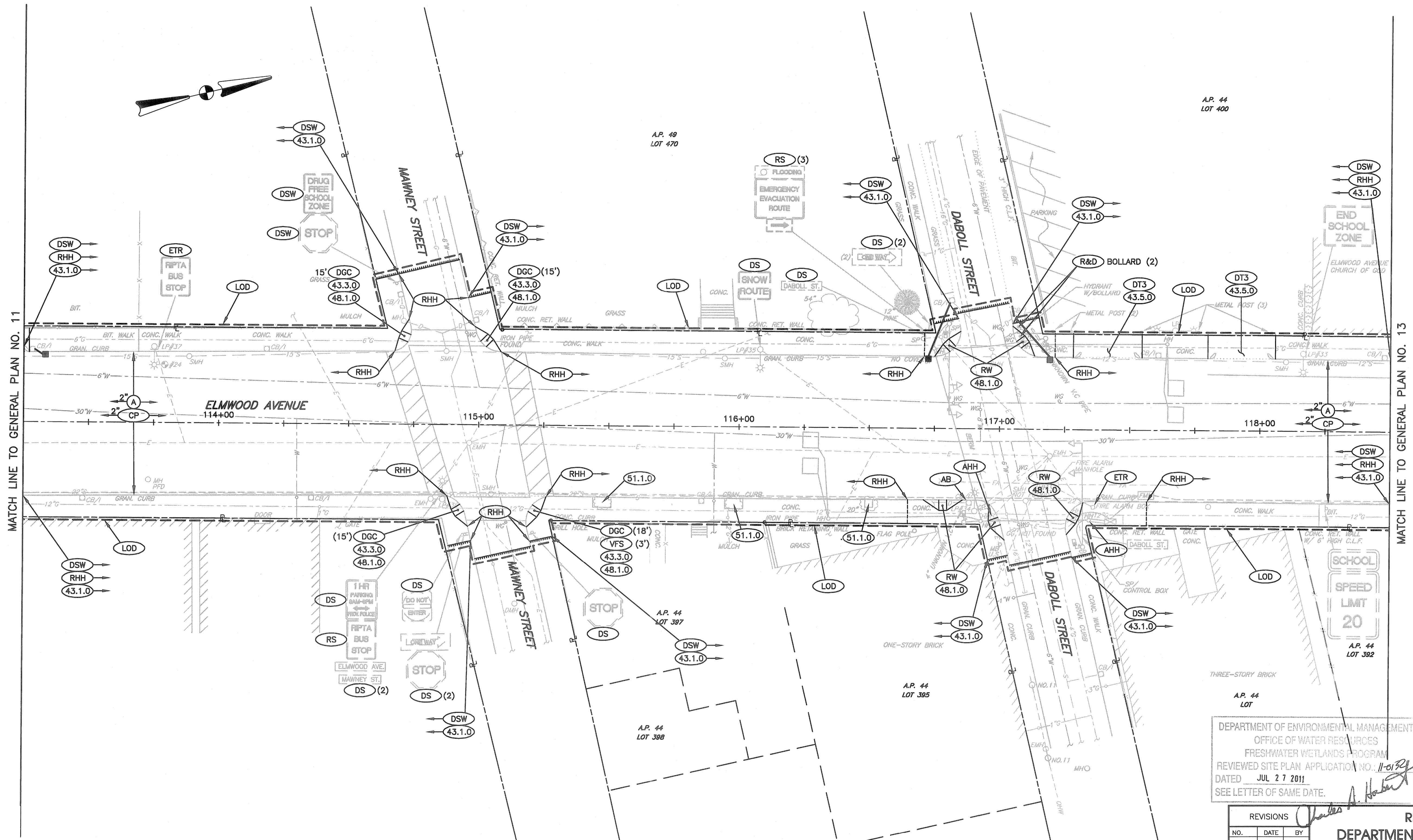
**1R / ARTERIAL IMPROVEMENTS TO ELMWOOD AVENUE CONTRACT 3**

PROVIDENCE / CRANSTON RHODE ISLAND

**GENERAL PLAN NO. 11**

CHECKED BY \_\_\_\_\_ DATE JUNE 2011 SCALE 1"=20'

**CROSSMAN ENGINEERING**  
a division of Crossman Corporation  
151 Centerville Road | Warwick, Rhode Island 02886

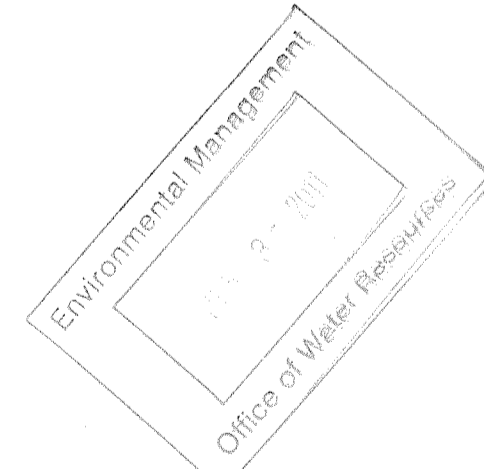


MATCH LINE TO GENERAL PLAN NO. 11

MATCH LINE TO GENERAL PLAN NO. 13

NOTE: ALL PROPERTY LINES SHOWN ON THIS PLAN ARE APPROXIMATE.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PROGRAM  
 REVIEWED SITE PLAN APPLICATION NO. 11-01929  
 DATED JUL 27 2011  
 SEE LETTER OF SAME DATE.



REVISIONS		
NO.	DATE	BY

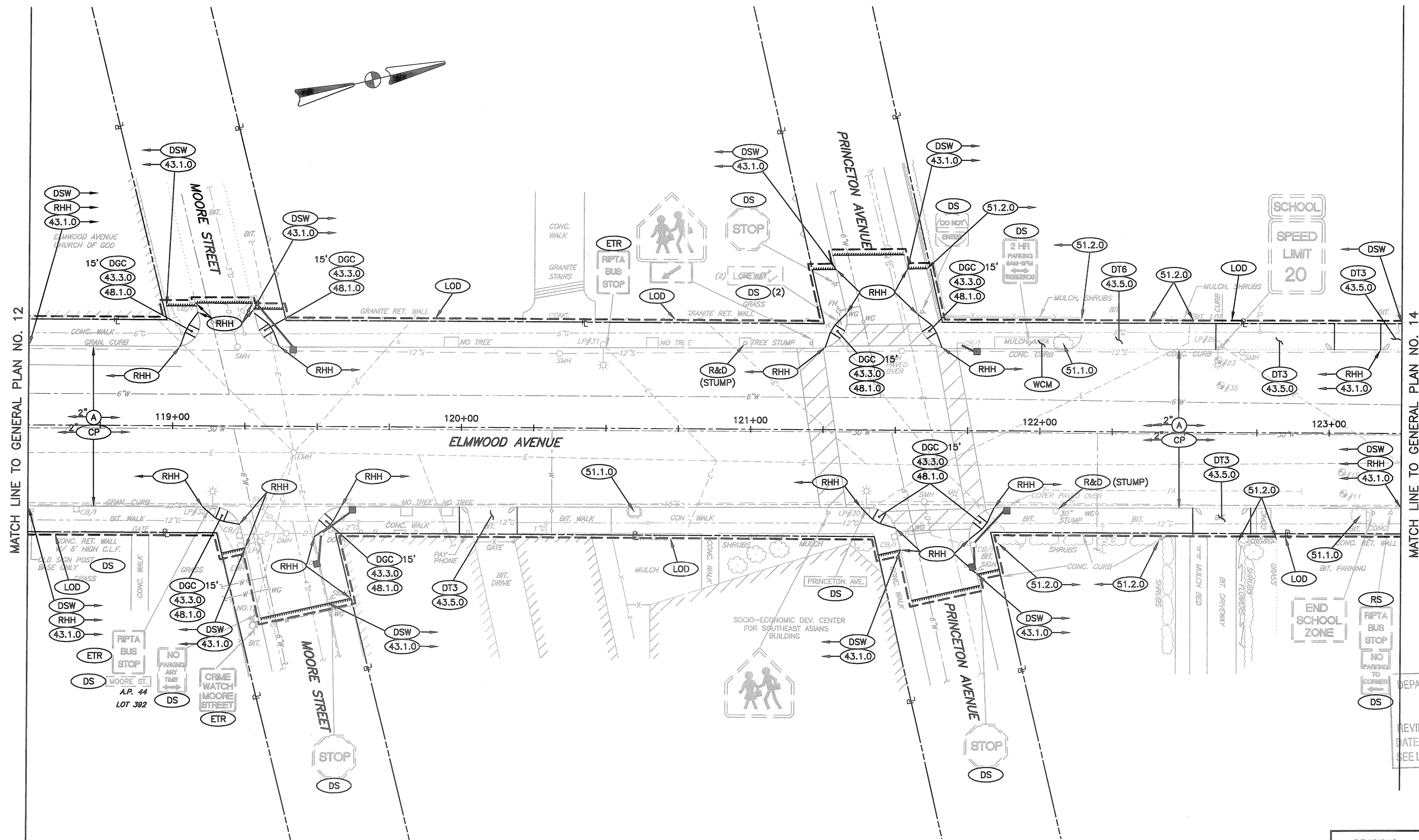
RHODE ISLAND  
 DEPARTMENT OF TRANSPORTATION

1R / ARTERIAL IMPROVEMENTS TO  
 ELMWOOD AVENUE  
 CONTRACT 3  
 PROVIDENCE / CRANSTON RHODE ISLAND

GENERAL PLAN NO. 12

**CROSSMAN ENGINEERING**  
 | a division of Crossman Corporation |  
 151 Centerville Road | Warwick, Rhode Island 02886

CHECKED BY \_\_\_\_\_ DATE JUNE 2011 SCALE 1"=20'



NOTE: ALL PROPERTY LINES SHOWN ON THIS PLAN ARE APPROXIMATE.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
REVIEWED SITE PLAN APPLICATION NO.: 11-0152  
DATED JUL 27 2011  
SEE LETTER OF SAME DATE.

*Charles A. Hester*

Environmental Management  
(401) 317 2011  
Office of Water Resources

REVISIONS		
NO.	DATE	BY

RHODE ISLAND  
DEPARTMENT OF TRANSPORTATION

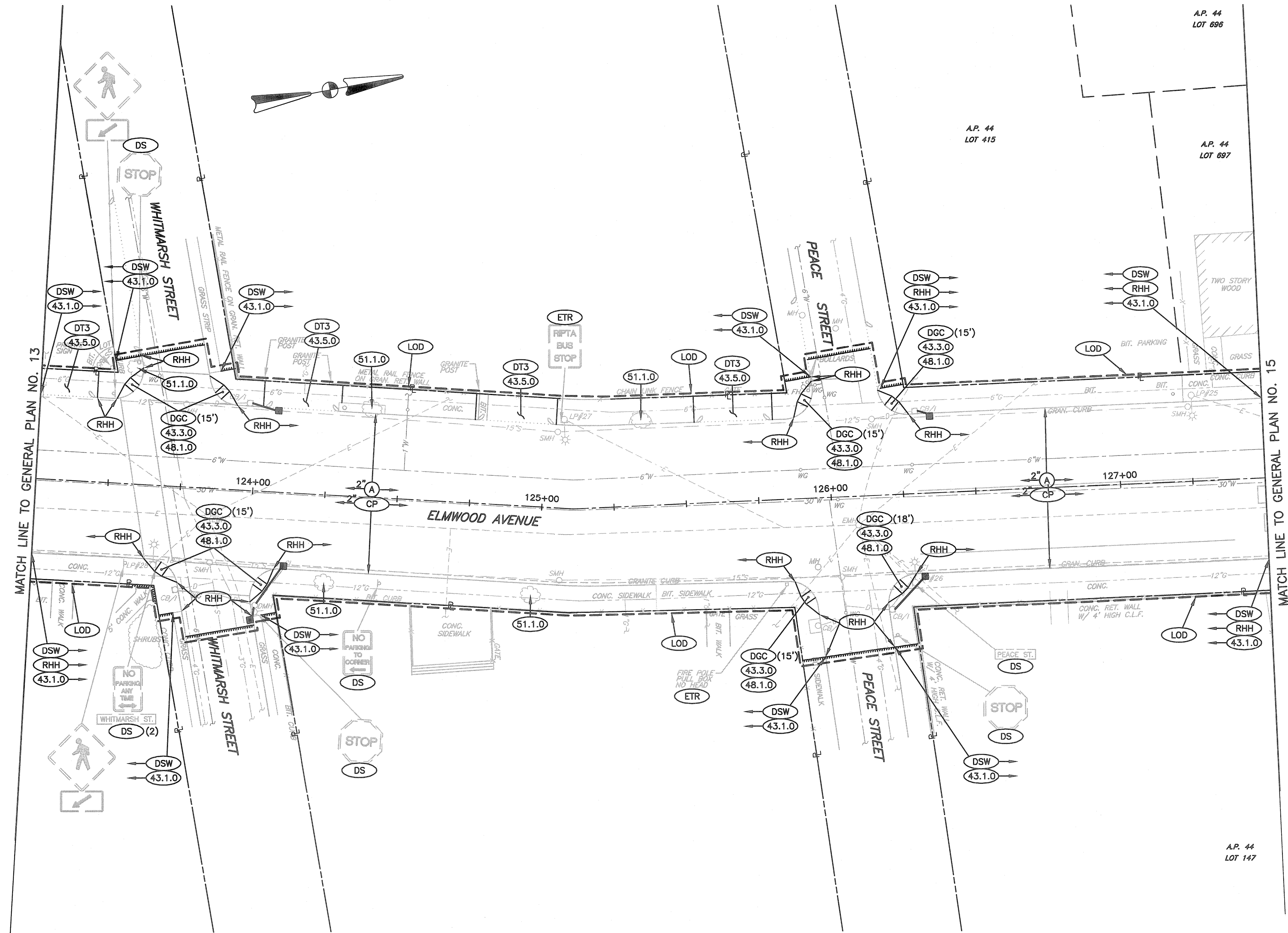
1R / ARTERIAL IMPROVEMENTS TO  
ELMWOOD AVENUE  
CONTRACT 3

PROVIDENCE / CRANSTON RHODE ISLAND

GENERAL PLAN NO. 13

CHECKED BY: \_\_\_\_\_ DATE: JUNE 2011 SCALE: 1"=20'

**CROSSMAN ENGINEERING**  
a division of Crossman Corporation |  
151 Centerville Road | Warwick, Rhode Island 02886



NOTE: ALL PROPERTY LINES SHOWN ON THIS PLAN ARE APPROXIMATE.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PROGRAM  
 REVIEWED SITE PLAN APPLICATION NO.: 11-0132  
 DATED: JUL 27 2011  
 SEE LETTER OF SAME DATE.  
*Charles A. Haber*  
 Environmental Management  
 Office of Water Resources

REVISIONS		
NO.	DATE	BY

**RHODE ISLAND**  
**DEPARTMENT OF TRANSPORTATION**

**1R / ARTERIAL IMPROVEMENTS TO**  
**ELMWOOD AVENUE**  
 CONTRACT 3

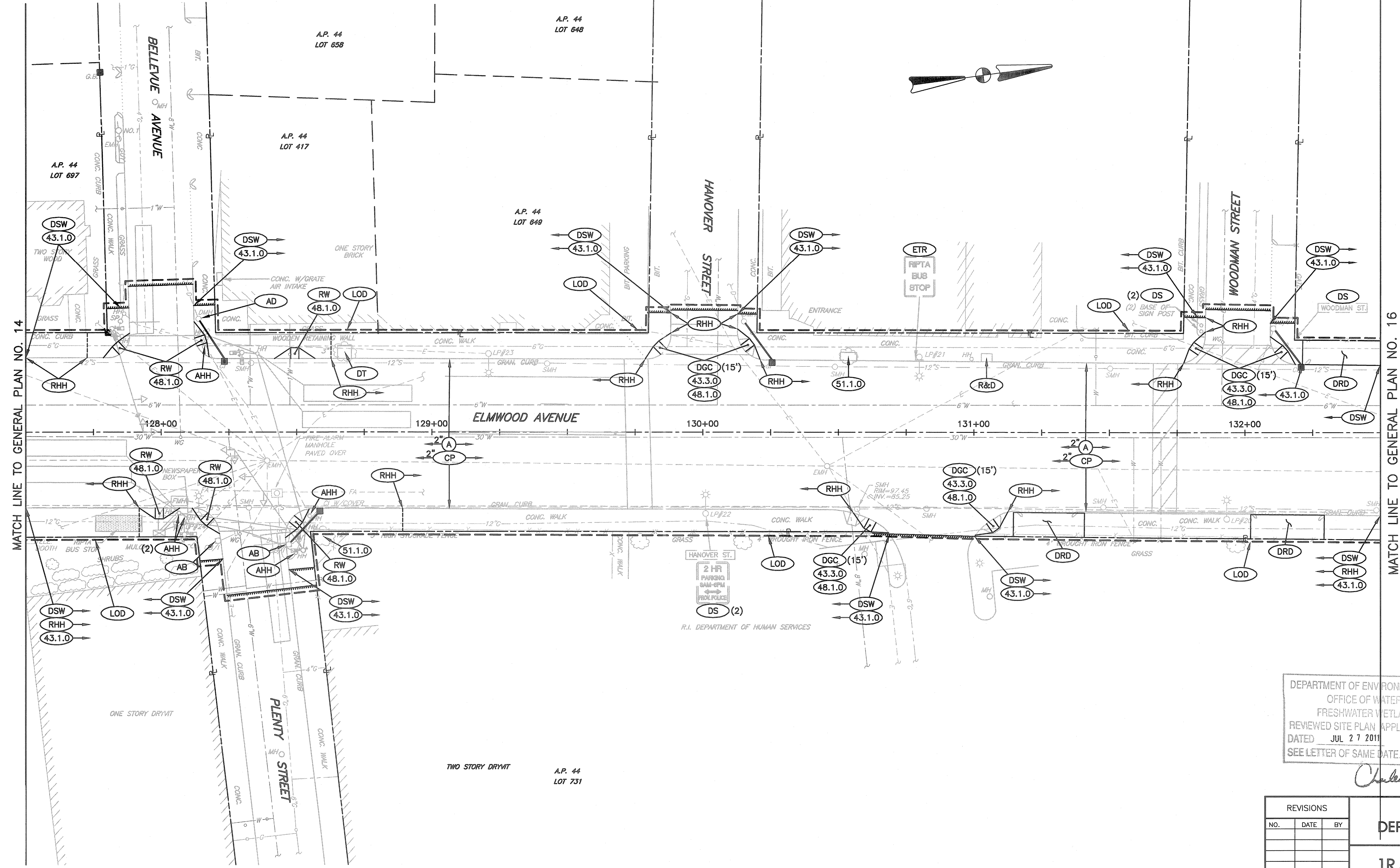
PROVIDENCE / CRANSTON RHODE ISLAND

**GENERAL PLAN NO. 14**

**CROSSMAN ENGINEERING**  
 a division of Crossman Corporation |  
 151 Centerville Road | Warwick, Rhode Island 02886

CHECKED BY: \_\_\_\_\_ DATE: JUNE 2011 SCALE: 1"=20'

FED. ROAD DIV. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	R.I.			26	57



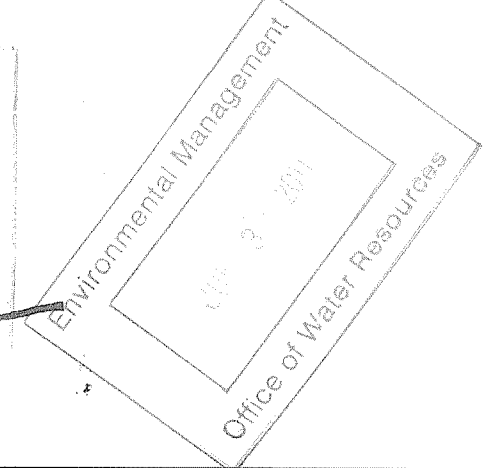
MATCH LINE TO GENERAL PLAN NO. 14

MATCH LINE TO GENERAL PLAN NO. 16

NOTE: ALL PROPERTY LINES SHOWN ON THIS PLAN ARE APPROXIMATE.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PROGRAM  
 REVIEWED SITE PLAN APPLICATION NO.: 11-0132  
 DATED JUL 27 2011  
 SEE LETTER OF SAME DATE.

*Charles A. Harker*  
 Office of Water Resources



REVISIONS		
NO.	DATE	BY

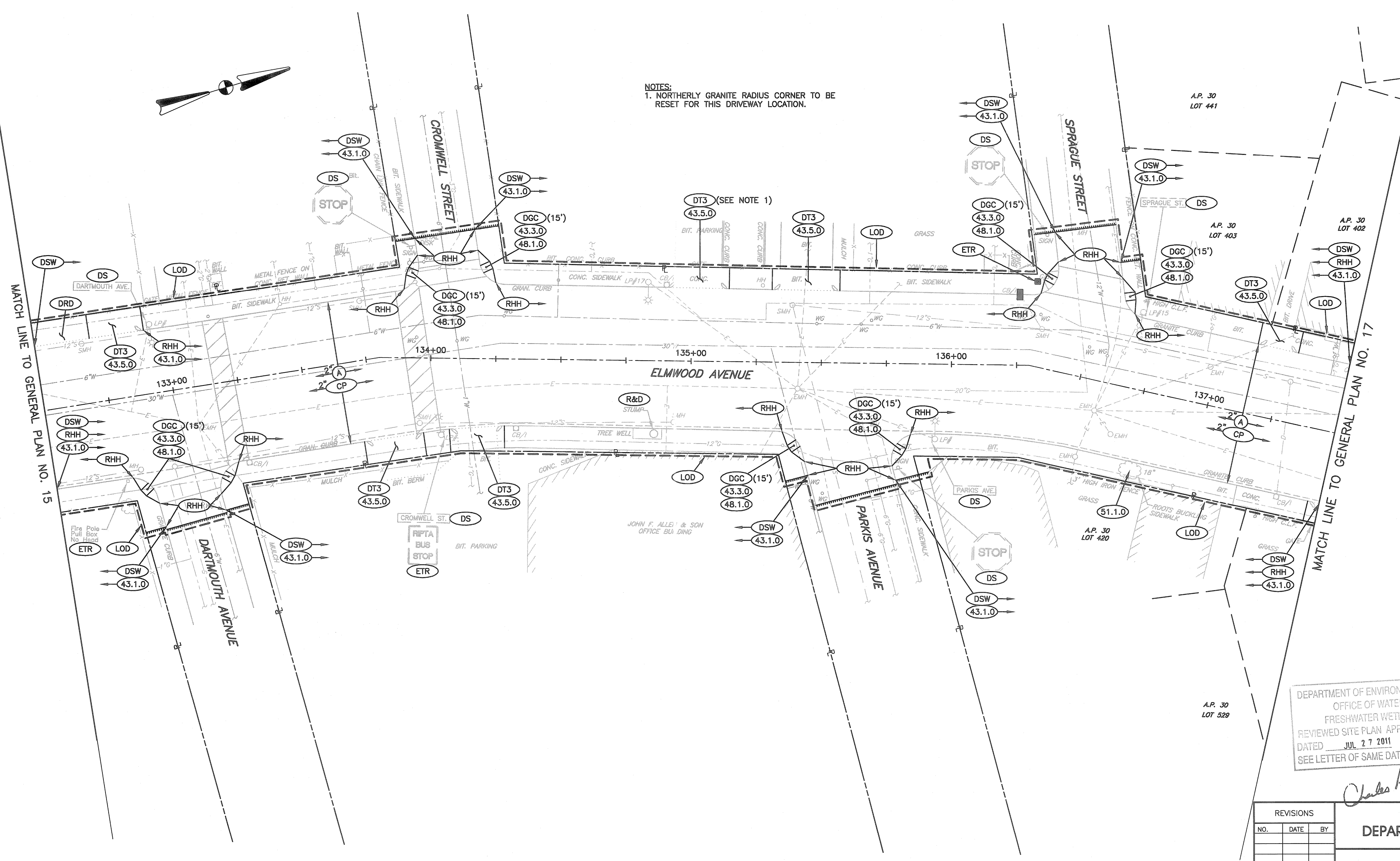
RHODE ISLAND  
 DEPARTMENT OF TRANSPORTATION

1R / ARTERIAL IMPROVEMENTS TO  
 ELMWOOD AVENUE  
 CONTRACT 3  
 PROVIDENCE / CRANSTON RHODE ISLAND

GENERAL PLAN NO. 15

**CROSSMAN ENGINEERING**  
 a division of Crossman Corporation |  
 151 Centerville Road | Warwick, Rhode Island 02886

CHECKED BY \_\_\_\_\_ DATE JUNE 2011 SCALE 1"=20'



NOTES:  
1. NORTHERLY GRANITE RADIUS CORNER TO BE RESET FOR THIS DRIVEWAY LOCATION.

MATCH LINE TO GENERAL PLAN NO. 15

MATCH LINE TO GENERAL PLAN NO. 17

NOTE: ALL PROPERTY LINES SHOWN ON THIS PLAN ARE APPROXIMATE.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
REVIEWED SITE PLAN APPLICATION NO.: 11-0192  
DATED JUL 27 2011  
SEE LETTER OF SAME DATE.

*Charles A. Harker*

REVISIONS		
NO.	DATE	BY

**RHODE ISLAND  
DEPARTMENT OF TRANSPORTATION**

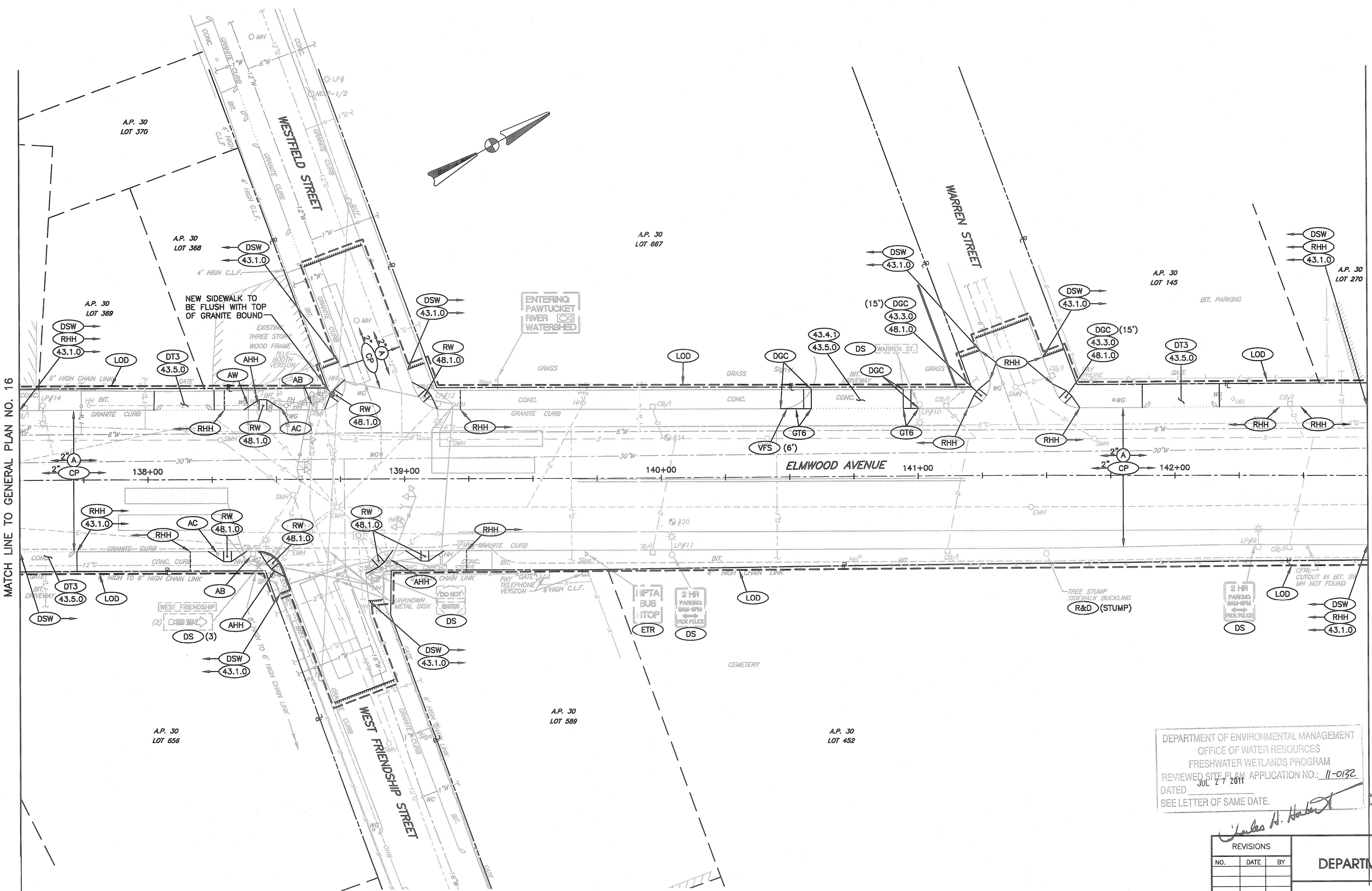
**1R / ARTERIAL IMPROVEMENTS TO  
ELMWOOD AVENUE  
CONTRACT 3**

PROVIDENCE / CRANSTON      RHODE ISLAND

**GENERAL PLAN NO. 16**

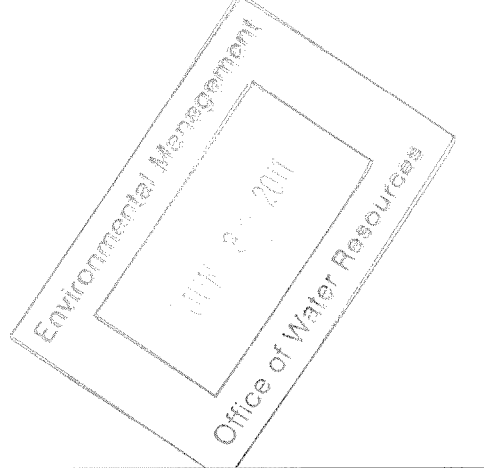
**CROSSMAN ENGINEERING**  
a division of Crossman Corporation  
151 Centerville Road | Warwick, Rhode Island 02886

CHECKED BY \_\_\_\_\_ DATE JUNE 2011 SCALE 1"=20'



NOTE: ALL PROPERTY LINES SHOWN ON THIS PLAN ARE APPROXIMATE.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PROGRAM  
 REVIEWED SITE PLAN APPLICATION NO.: 11-0132  
 DATED JUL 27 2011  
 SEE LETTER OF SAME DATE.



REVISIONS		
NO.	DATE	BY

**RHODE ISLAND  
 DEPARTMENT OF TRANSPORTATION**

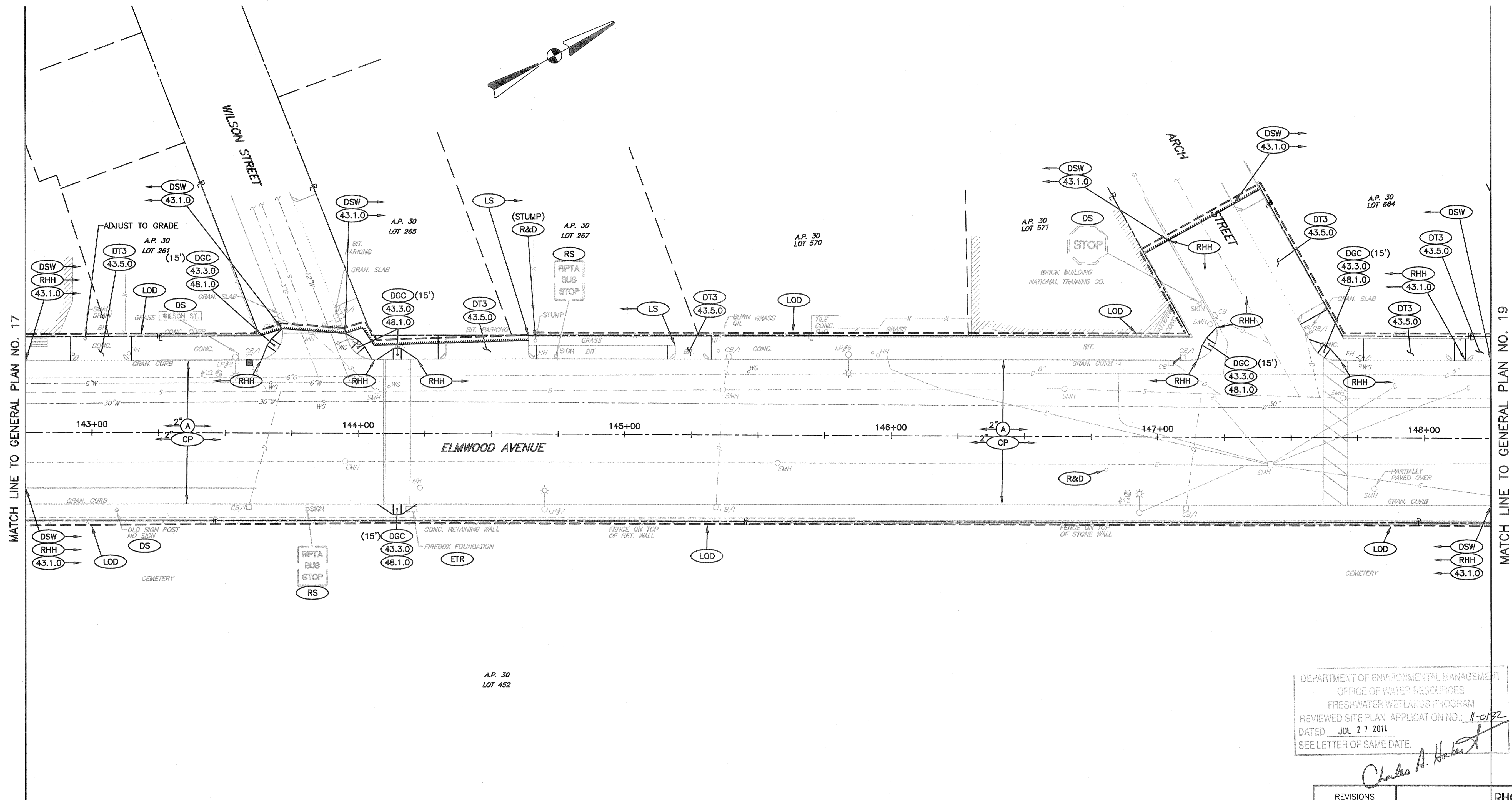
**1R / ARTERIAL IMPROVEMENTS TO  
 ELMWOOD AVENUE  
 CONTRACT 3**

PROVIDENCE / CRANSTON RHOIDE ISLAND

**GENERAL PLAN NO. 17**

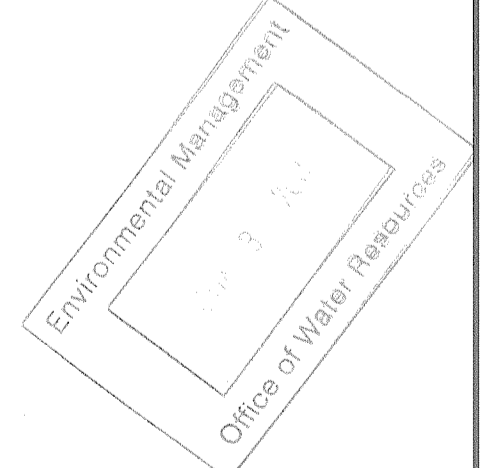
**CROSSMAN ENGINEERING**  
 | a division of Crossman Corporation |  
 151 Centerville Road | Warwick, Rhode Island 02886

CHECKED BY \_\_\_\_\_ DATE JUNE 2011 SCALE 1"=20'



DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PROGRAM  
 REVIEWED SITE PLAN APPLICATION NO. 11-0132  
 DATED JUL 27 2011  
 SEE LETTER OF SAME DATE.

*Charles A. H... [Signature]*



NOTE: ALL PROPERTY LINES SHOWN ON THIS PLAN ARE APPROXIMATE.

REVISIONS		
NO.	DATE	BY

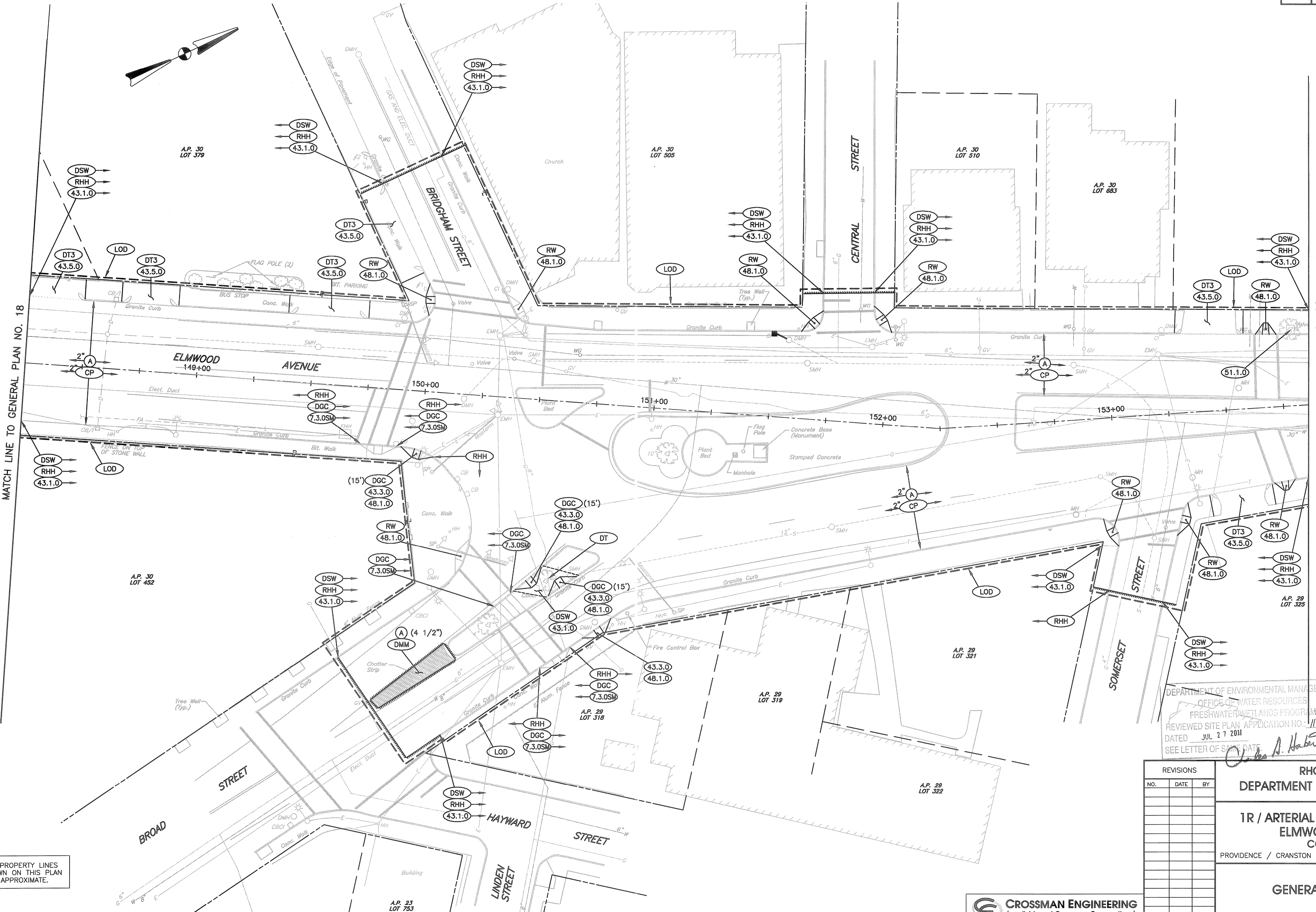
RHODE ISLAND  
 DEPARTMENT OF TRANSPORTATION

1R / ARTERIAL IMPROVEMENTS TO  
 ELMWOOD AVENUE  
 CONTRACT 3  
 PROVIDENCE / CRANSTON RHODE ISLAND

GENERAL PLAN NO. 18

**CROSSMAN ENGINEERING**  
 a division of Crossman Corporation  
 151 Centerville Road | Warwick, Rhode Island 02886

CHECKED BY \_\_\_\_\_ DATE JUNE 2011 SCALE 1"=20'



MATCH LINE TO GENERAL PLAN NO. 18

MATCH LINE TO GENERAL PLAN NO. 20

NOTE: ALL PROPERTY LINES SHOWN ON THIS PLAN ARE APPROXIMATE.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
REVIEWED SITE PLAN APPLICATION NO. 11-0132  
DATED JUL 27 2011  
SEE LETTER OF SAME DATE  
*John A. Haber*

REVISIONS		
NO.	DATE	BY

**RHODE ISLAND**  
**DEPARTMENT OF TRANSPORTATION**

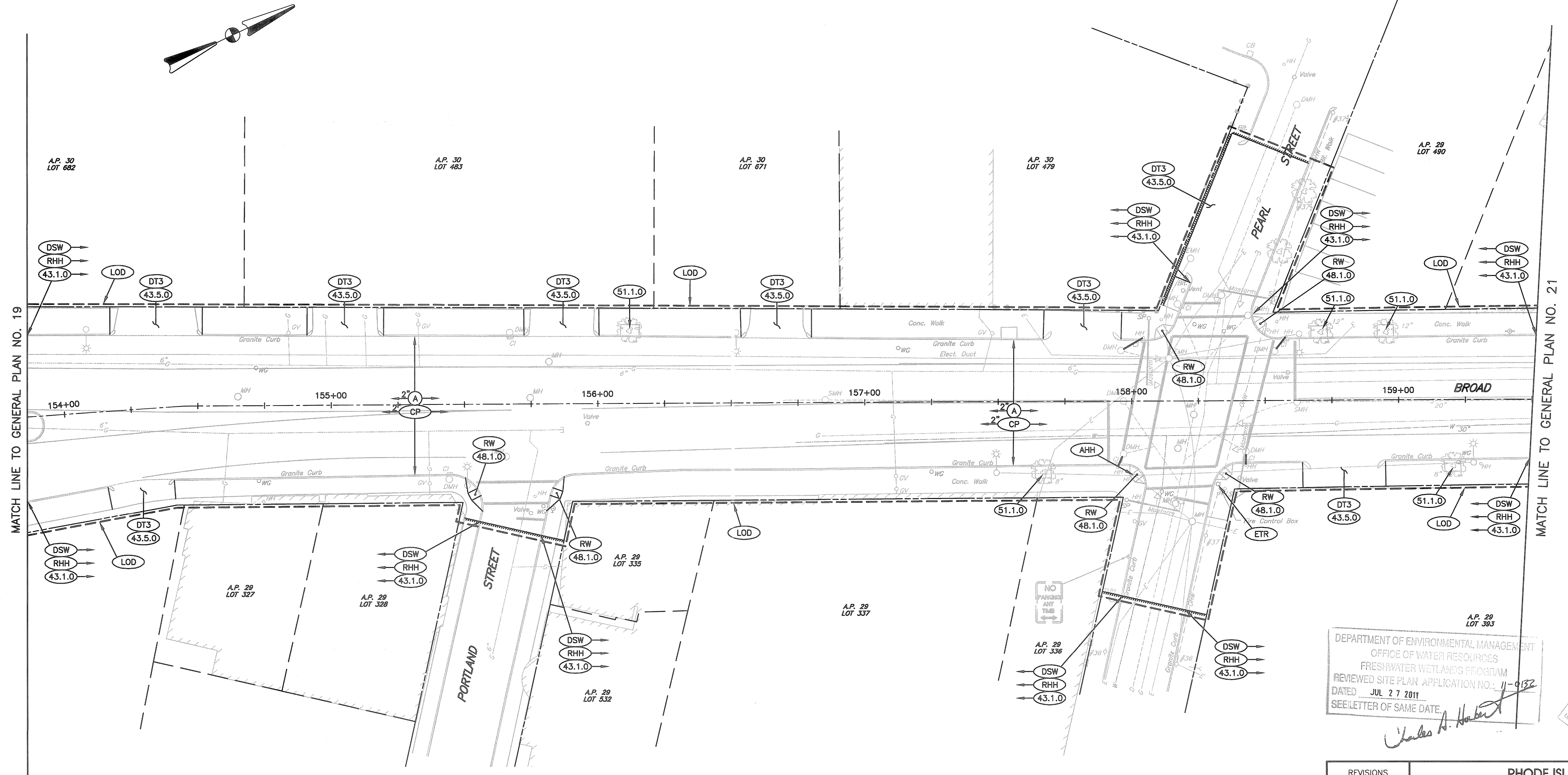
**1R / ARTERIAL IMPROVEMENTS TO**  
**ELMWOOD AVENUE**  
**CONTRACT 3**

PROVIDENCE / CRANSTON      RHODE ISLAND

**GENERAL PLAN NO. 19**

CHECKED BY \_\_\_\_\_ DATE JUNE 2011 SCALE 1"=20'

**CROSSMAN ENGINEERING**  
a division of Crossman Corporation |  
151 Centerville Road | Warwick, Rhode Island 02886



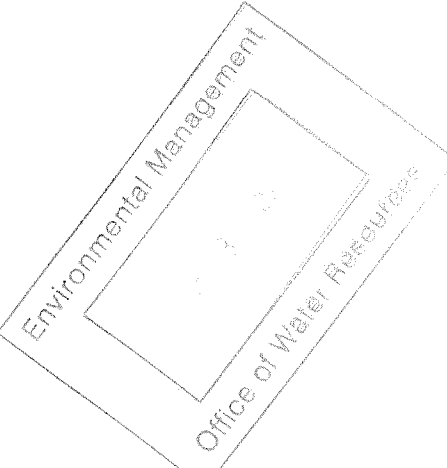
MATCH LINE TO GENERAL PLAN NO. 19

MATCH LINE TO GENERAL PLAN NO. 21

NOTE: ALL PROPERTY LINES SHOWN ON THIS PLAN ARE APPROXIMATE.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PROGRAM  
 REVIEWED SITE PLAN APPLICATION NO. 11-9132  
 DATED JUL 27 2011  
 SEE LETTER OF SAME DATE

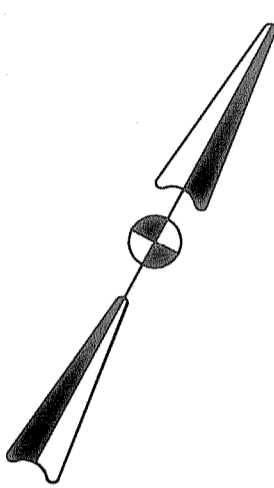
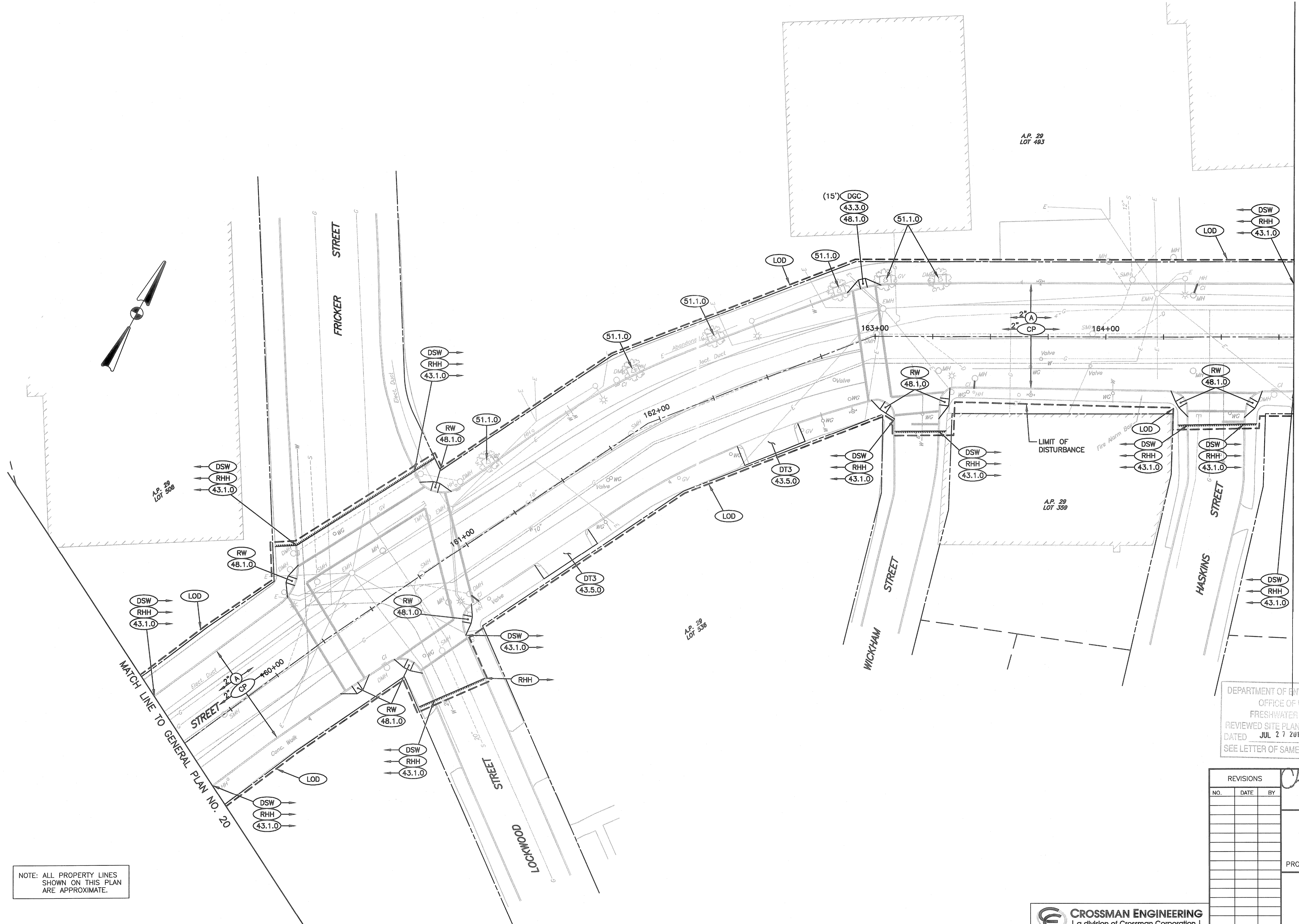
*Charles A. Haber*



REVISIONS		
NO.	DATE	BY

<b>RHODE ISLAND          DEPARTMENT OF TRANSPORTATION</b>	
<b>1R / ARTERIAL IMPROVEMENTS TO          ELMWOOD AVENUE          CONTRACT 3</b>	
PROVIDENCE / CRANSTON	RHODE ISLAND
<b>GENERAL PLAN NO. 20</b>	
CHECKED BY _____	DATE <u>JUNE 2011</u> SCALE 1"=20'

**CROSSMAN ENGINEERING**  
 a division of Crossman Corporation  
 151 Centerville Road | Warwick, Rhode Island 02886

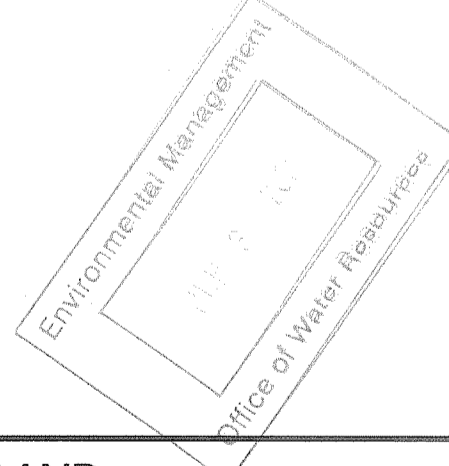


MATCH LINE TO GENERAL PLAN NO. 22

MATCH LINE TO GENERAL PLAN NO. 20

NOTE: ALL PROPERTY LINES SHOWN ON THIS PLAN ARE APPROXIMATE.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PROGRAM  
 REVIEWED SITE PLAN APPLICATION NO. 11-0132  
 DATED JUL 27 2011  
 SEE LETTER OF SAME DATE.



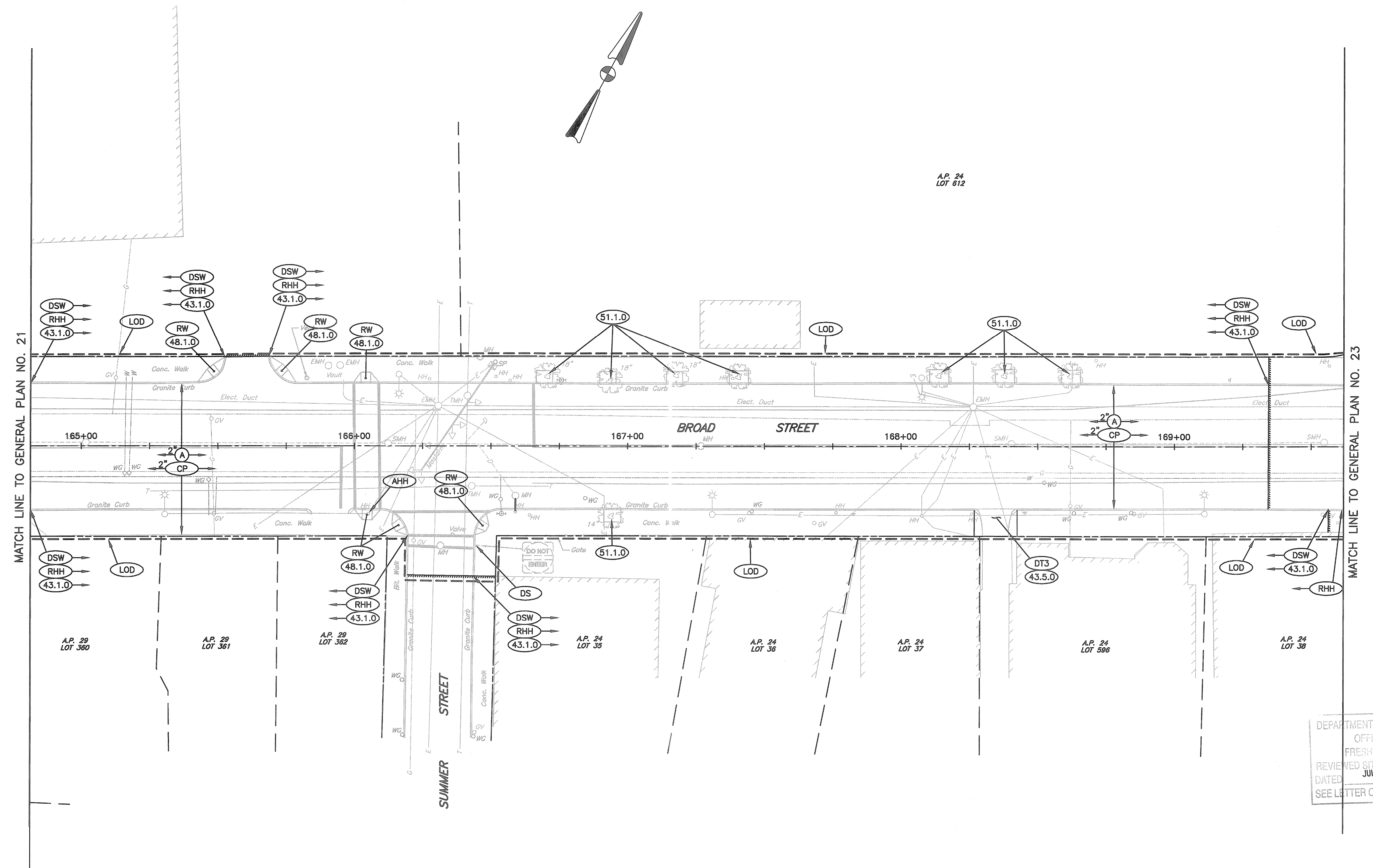
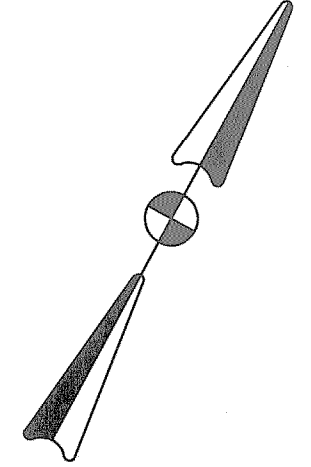
**RHODE ISLAND DEPARTMENT OF TRANSPORTATION**  
**1R / ARTERIAL IMPROVEMENTS TO ELMWOOD AVENUE CONTRACT 3**  
 PROVIDENCE / CRANSTON RHODE ISLAND

**GENERAL PLAN NO. 21**

**CROSSMAN ENGINEERING**  
 | a division of Crossman Corporation |  
 151 Centerville Road | Warwick, Rhode Island 02886

REVISIONS		
NO.	DATE	BY

CHECKED BY \_\_\_\_\_ DATE JUNE 2011 SCALE 1"=20'



NOTE: ALL PROPERTY LINES SHOWN ON THIS PLAN ARE APPROXIMATE.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
REVIEWED SITE PLAN APPLICATION NO: 11-0132  
DATED JUL 27 2011  
SEE LETTER OF SAME DATE.  
*Charles A. Hester*  
Environmental Management  
Office of Water Resources

REVISIONS		
NO.	DATE	BY

**RHODE ISLAND**  
**DEPARTMENT OF TRANSPORTATION**

**1R / ARTERIAL IMPROVEMENTS TO  
ELMWOOD AVENUE  
CONTRACT 3**

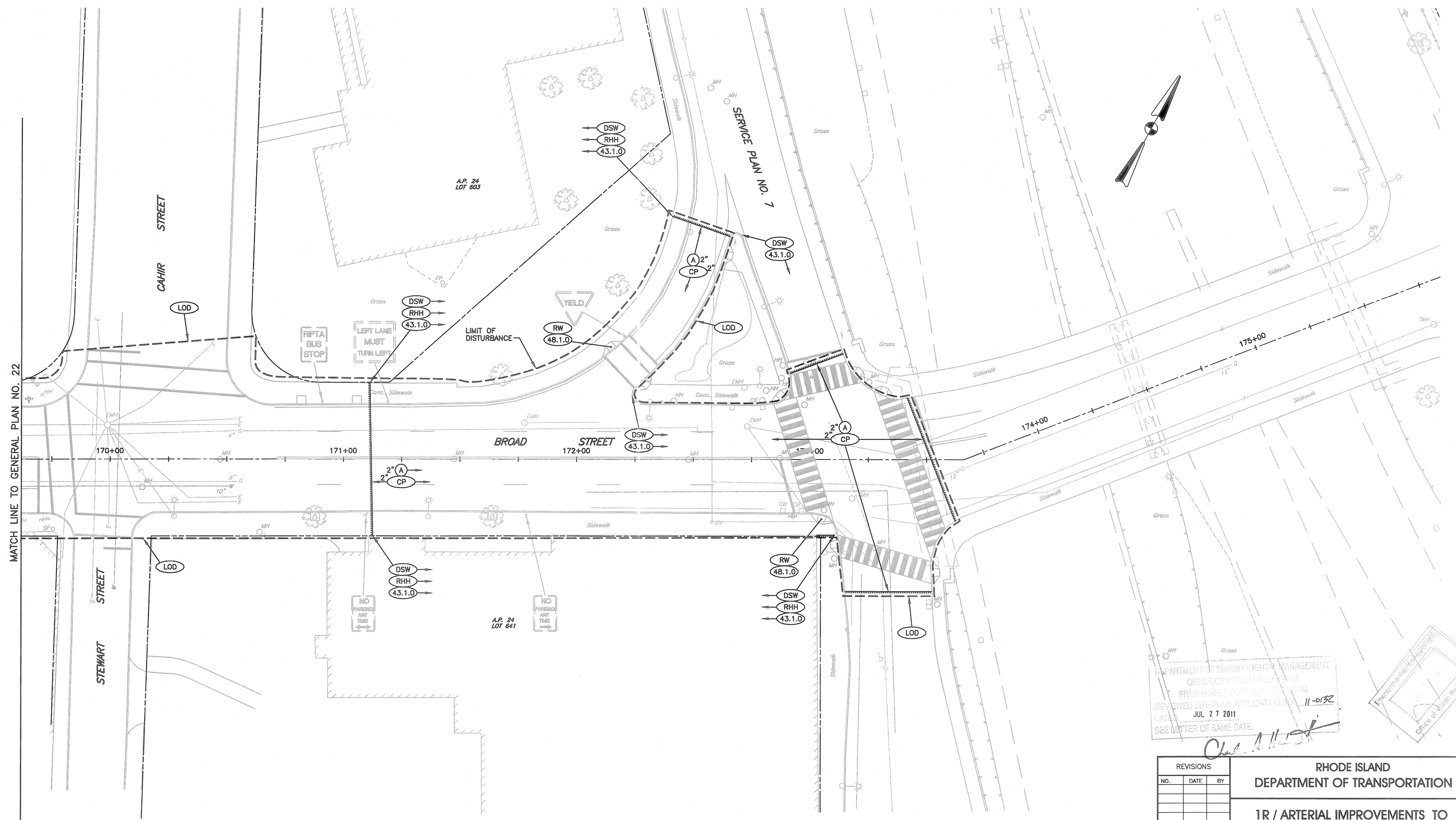
PROVIDENCE / CRANSTON RHODE ISLAND

---

**GENERAL PLAN NO. 22**

**CROSSMAN ENGINEERING**  
a division of Crossman Corporation |  
151 Centerville Road | Warwick, Rhode Island 02886

CHECKED BY \_\_\_\_\_ DATE JUNE 2011 SCALE 1"=20'

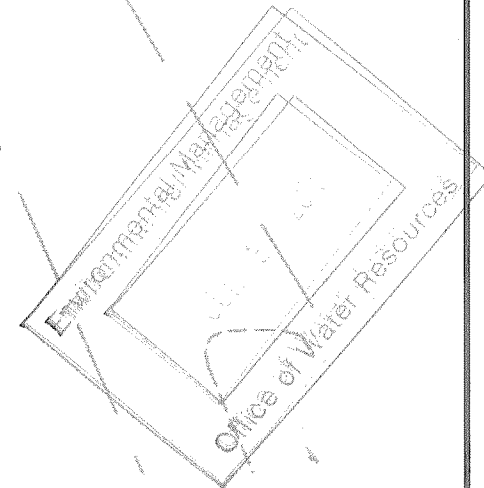


MATCH LINE TO GENERAL PLAN NO. 22

NOTE: ALL PROPERTY LINES SHOWN ON THIS PLAN ARE APPROXIMATE.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 FRESHWATER MANAGEMENT PROGRAM  
 REVIEWED SITE PLAN APPLICATION  
 DATE: JUL 27 2011  
 SEE LETTER OF SAME DATE.

*Chad A. [Signature]*



REVISIONS		
NO.	DATE	BY

**RHODE ISLAND**  
**DEPARTMENT OF TRANSPORTATION**

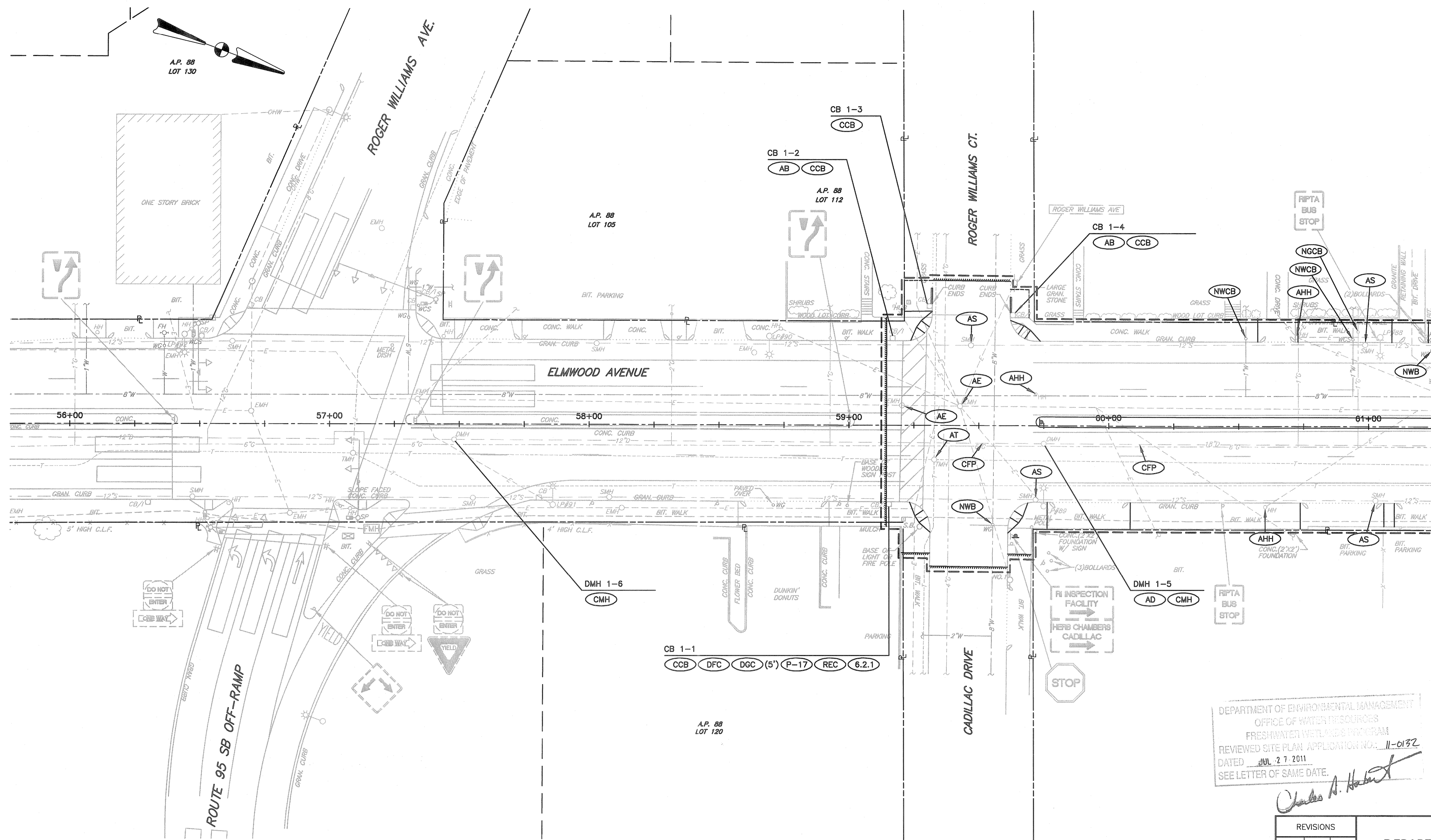
**1R / ARTERIAL IMPROVEMENTS TO**  
**ELMWOOD AVENUE**  
**CONTRACT 3**

PROVIDENCE / CRANSTON      RHODE ISLAND

**GENERAL PLAN NO. 23**

**CROSSMAN ENGINEERING**  
 | a division of Crossman Corporation |  
 151 Centerville Road | Warwick, Rhode Island 02886

CHECKED BY \_\_\_\_\_ DATE: JUNE 2011 SCALE: 1"=20'

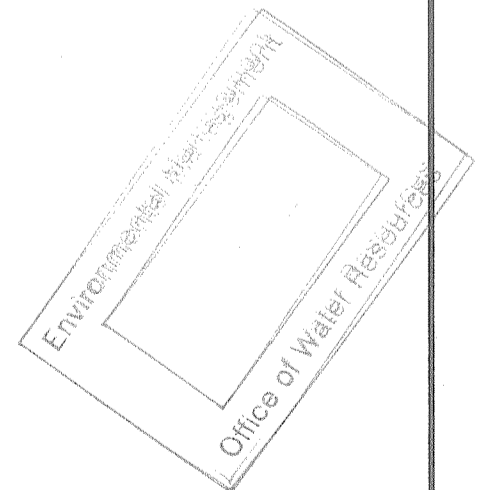


MATCH LINE TO DRAINAGE AND UTILITY PLAN NO. 2

NOTE: ALL PROPERTY LINES SHOWN ON THIS PLAN ARE APPROXIMATE.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PROGRAM  
 REVIEWED SITE PLAN APPLICATION NO.: 11-0132  
 DATED JUL 27 2011  
 SEE LETTER OF SAME DATE.

*Charles A. Hagan*



REVISIONS		
NO.	DATE	BY

**RHODE ISLAND**  
**DEPARTMENT OF TRANSPORTATION**

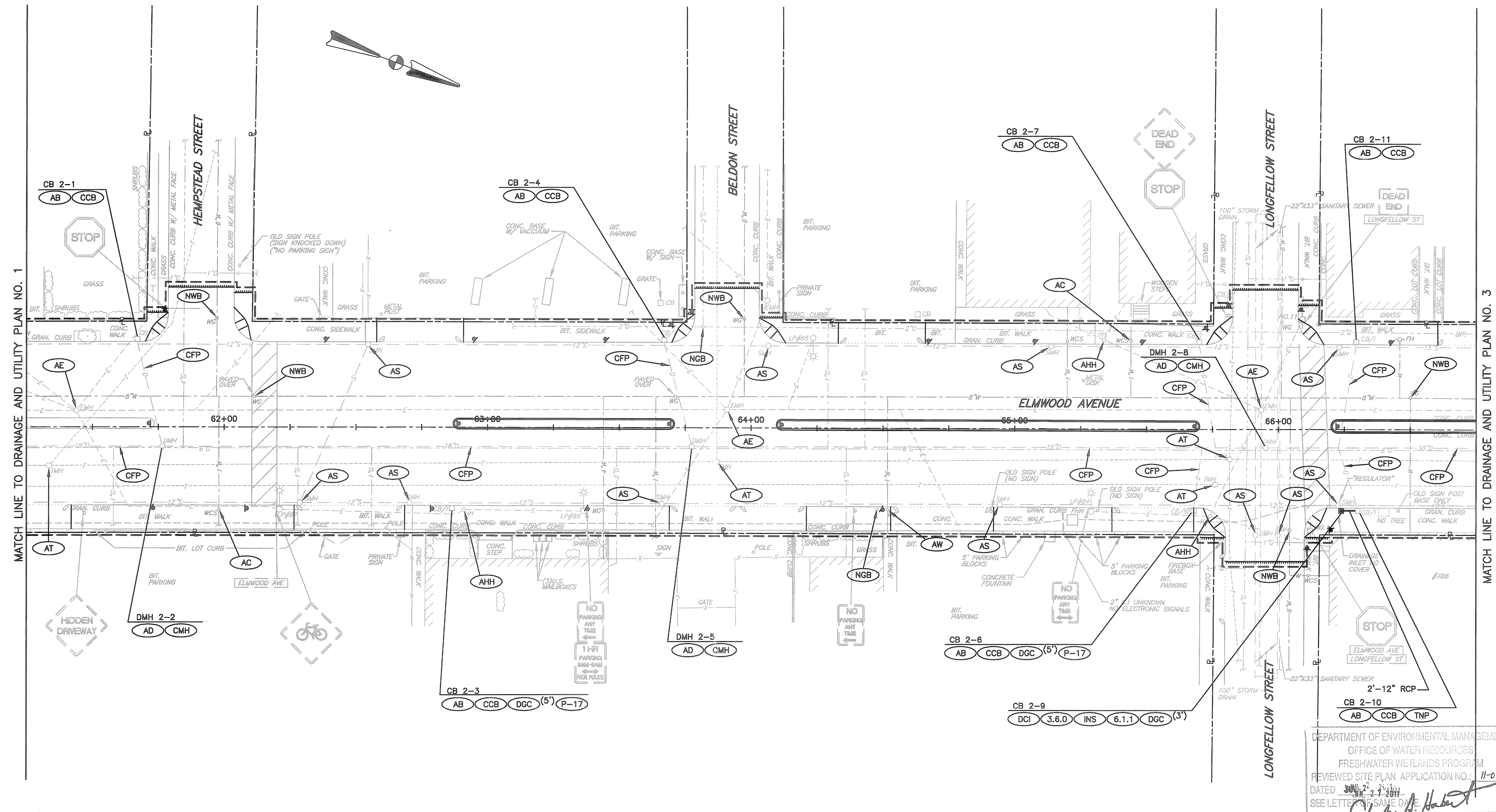
**1R / ARTERIAL IMPROVEMENTS TO**  
**ELMWOOD AVENUE**  
**CONTRACT 3**

PROVIDENCE / CRANSTON RHODE ISLAND

**DRAINAGE AND UTILITY PLAN NO. 1**

**CROSSMAN ENGINEERING**  
 | a division of Crossman Corporation |  
 151 Centerville Road | Warwick, Rhode Island 02886

CHECKED BY \_\_\_\_\_ DATE JUNE 2011 SCALE 1"=20'

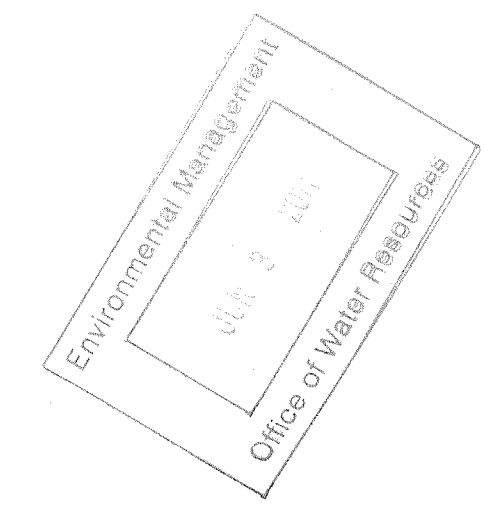


MATCH LINE TO DRAINAGE AND UTILITY PLAN NO. 1

MATCH LINE TO DRAINAGE AND UTILITY PLAN NO. 3

NOTE: ALL PROPERTY LINES SHOWN ON THIS PLAN ARE APPROXIMATE.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PROGRAM  
 REVIEWED SITE PLAN APPLICATION NO. 11-0132  
 DATED JUN 27 2011  
 SEE LETTER OF SAME DATE



REVISIONS		
NO.	DATE	BY

**RHODE ISLAND  
 DEPARTMENT OF TRANSPORTATION**

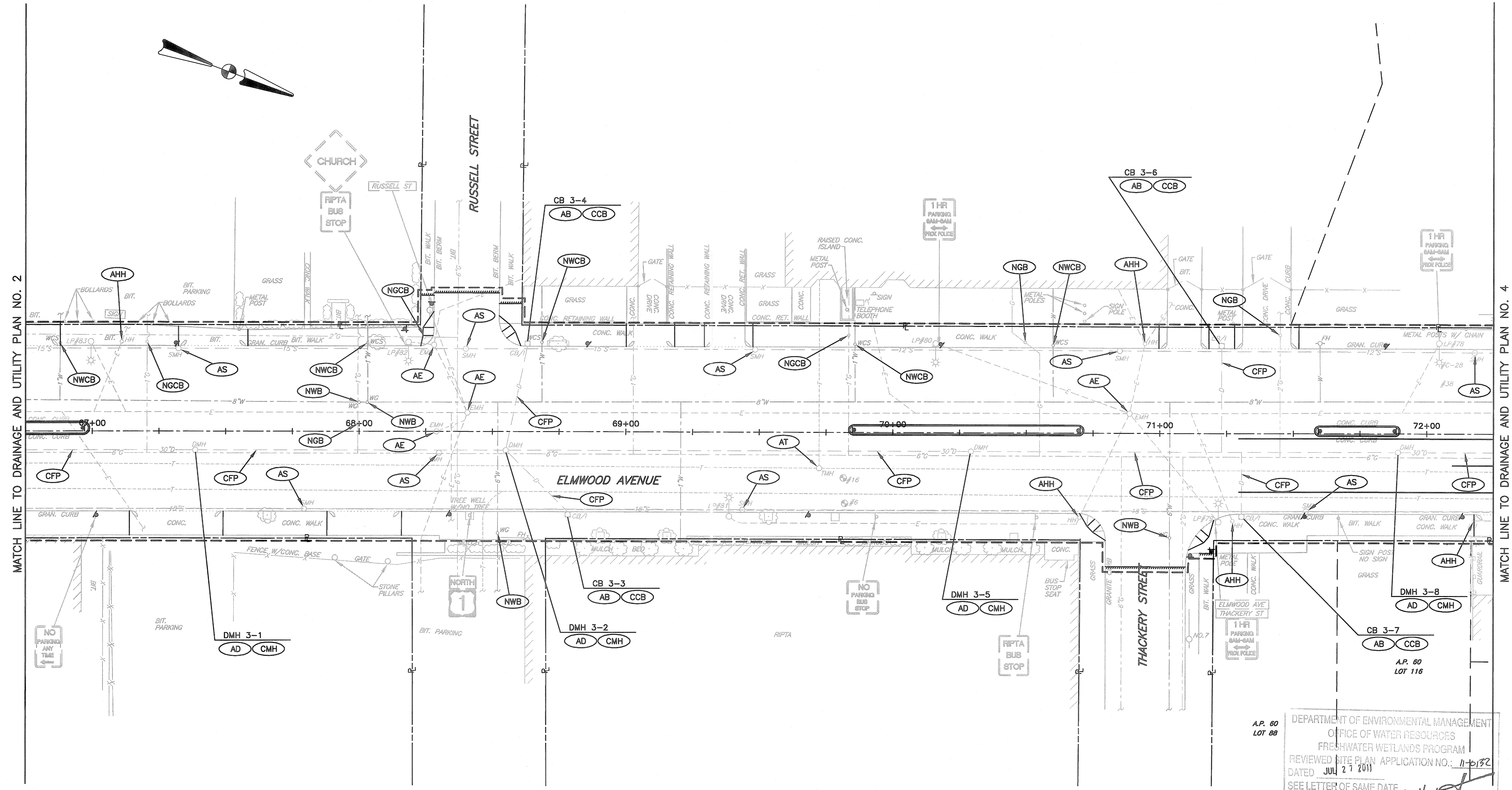
**1R / ARTERIAL IMPROVEMENTS TO  
 ELMWOOD AVENUE  
 CONTRACT 3**

PROVIDENCE / CRANSTON RHODE ISLAND

**DRAINAGE AND UTILITY NO. 2**

CHECKED BY \_\_\_\_\_ DATE JUNE 2011 SCALE 1"=20'

**CROSSMAN ENGINEERING**  
 | a division of Crossman Corporation |  
 151 Centerville Road | Warwick, Rhode Island 02886



MATCH LINE TO DRAINAGE AND UTILITY PLAN NO. 2

MATCH LINE TO DRAINAGE AND UTILITY PLAN NO. 4

NOTE: ALL PROPERTY LINES SHOWN ON THIS PLAN ARE APPROXIMATE.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PROGRAM  
 REVIEWED SITE PLAN APPLICATION NO. 11-0132  
 DATED JUL 27 2011  
 SEE LETTER OF SAME DATE.

Environmental Management  
 JUN 3 2011  
 Office of Water Resources

REVISIONS		
NO.	DATE	BY

RHODE ISLAND  
 DEPARTMENT OF TRANSPORTATION  
 1R / ARTERIAL IMPROVEMENTS TO  
 ELMWOOD AVENUE  
 CONTRACT 3  
 PROVIDENCE / CRANSTON RHODE ISLAND

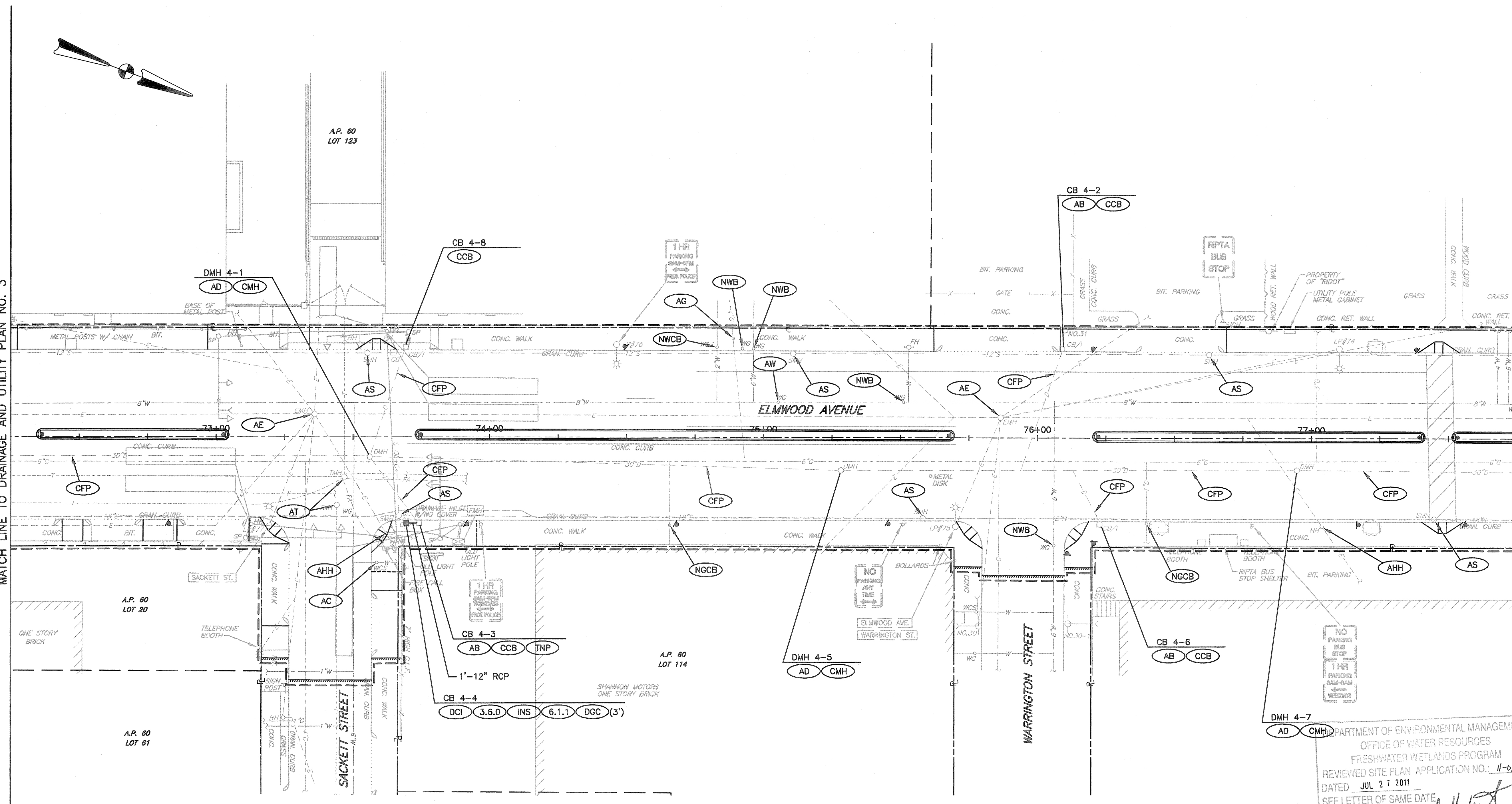
DRAINAGE AND UTILITY PLAN NO. 3

**CROSSMAN ENGINEERING**  
 a division of Crossman Corporation |  
 151 Centerville Road | Warwick, Rhode Island 02886

CHECKED BY \_\_\_\_\_ DATE JUNE 2011 SCALE 1"=20'

MATCH LINE TO DRAINAGE AND UTILITY PLAN NO. 3

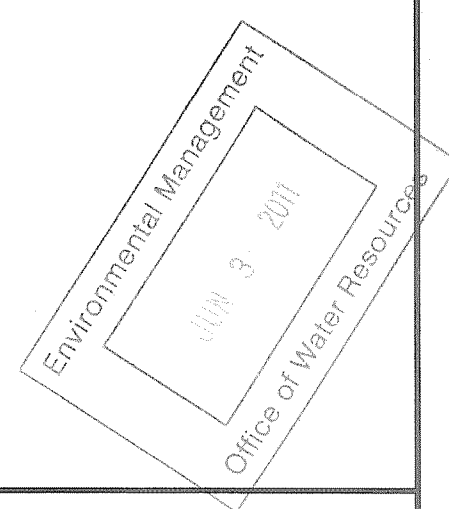
MATCH LINE TO DRAINAGE AND UTILITY PLAN NO. 5



NOTE: ALL PROPERTY LINES SHOWN ON THIS PLAN ARE APPROXIMATE.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
REVIEWED SITE PLAN APPLICATION NO. 11-0132  
DATED JUL 27 2011  
SEE LETTER OF SAME DATE

*Charles A. Hurd*



REVISIONS	NO.	DATE	BY

**RHODE ISLAND  
DEPARTMENT OF TRANSPORTATION**

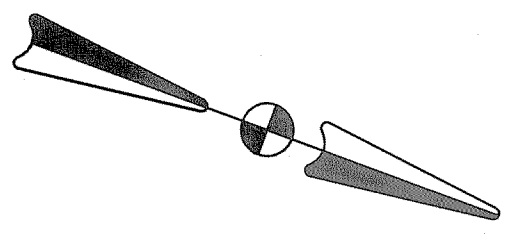
**1R / ARTERIAL IMPROVEMENTS TO  
ELMWOOD AVENUE  
CONTRACT 3**

PROVIDENCE / CRANSTON      RHODE ISLAND

**DRAINAGE AND UTILITY PLAN NO. 4**

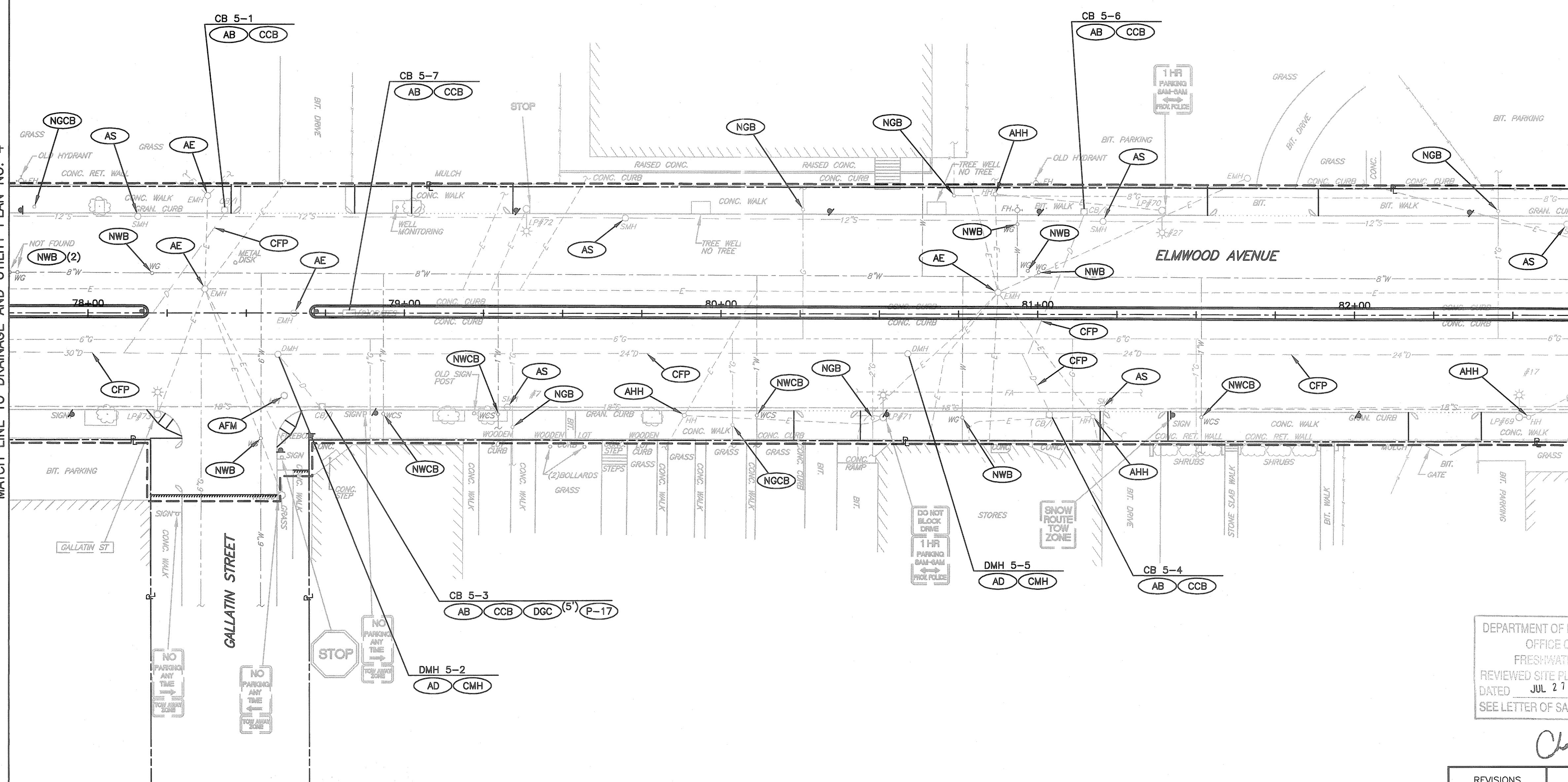
CHECKED BY \_\_\_\_\_ DATE JUNE 2011 SCALE 1"=20'

**CROSSMAN ENGINEERING**  
| a division of Crossman Corporation |  
151 Centerville Road | Warwick, Rhode Island 02886



MATCH LINE TO DRAINAGE AND UTILITY PLAN NO. 4

MATCH LINE TO DRAINAGE AND UTILITY PLAN NO. 6



NOTE: ALL PROPERTY LINES SHOWN ON THIS PLAN ARE APPROXIMATE.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
REVIEWED SITE PLAN APPLICATION NO. 11-0132  
DATED JUL 27 2011  
SEE LETTER OF SAME DATE

*Charles A. Hadden*  
Office of Water Resources

Environmental Management  
JUL 3 2011  
Office of Water Resources

REVISIONS		
NO.	DATE	BY

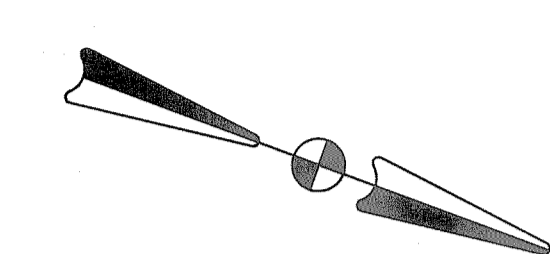
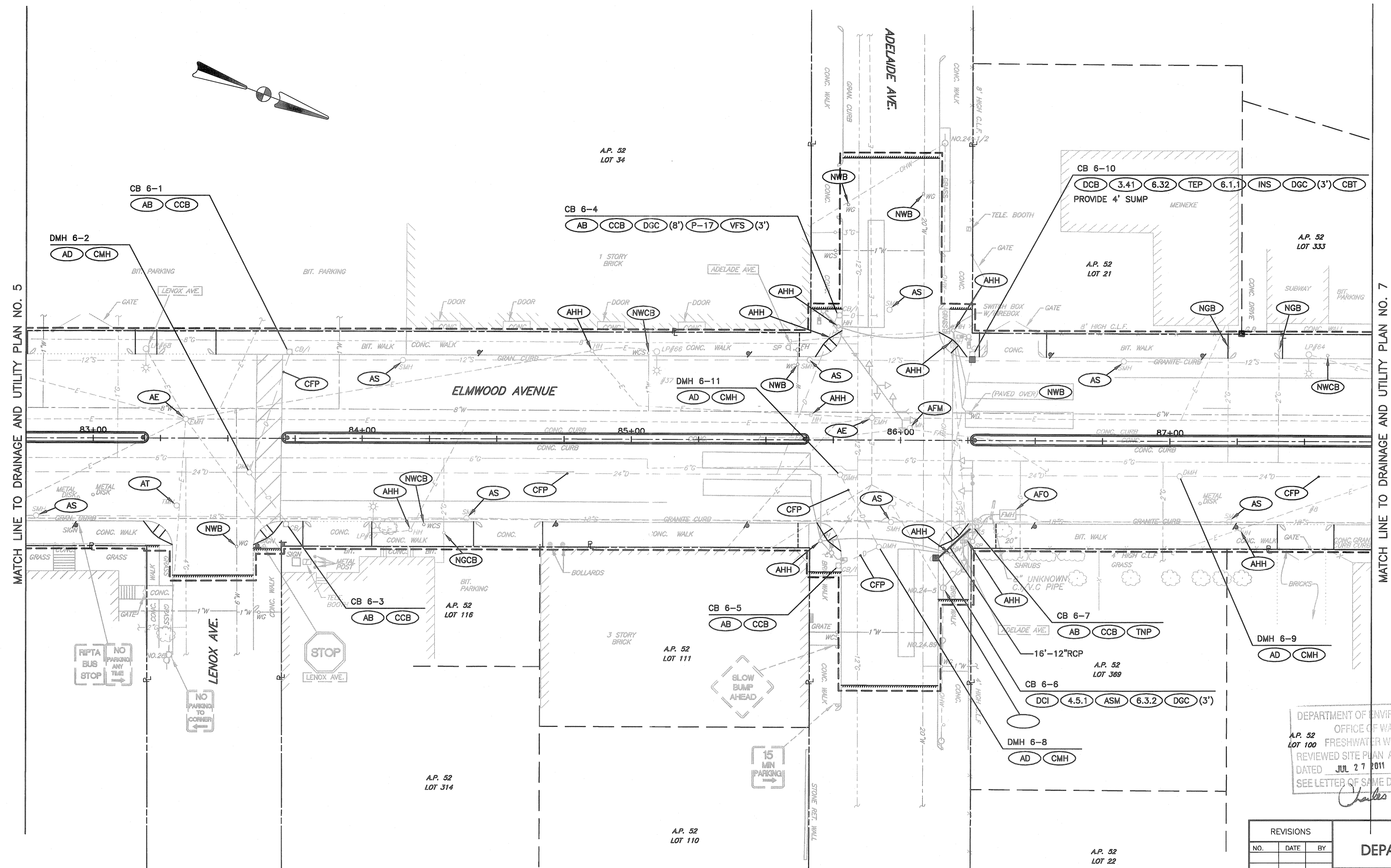
**RHODE ISLAND**  
**DEPARTMENT OF TRANSPORTATION**  
  
**1R / ARTERIAL IMPROVEMENTS TO**  
**ELMWOOD AVENUE**  
**CONTRACT 3**  
PROVIDENCE / CRANSTON RHODE ISLAND

**DRAINAGE AND UTILITY PLAN NO. 5**

**CROSSMAN ENGINEERING**  
a division of Crossman Corporation  
151 Centerville Road | Warwick, Rhode Island 02886

CHECKED BY \_\_\_\_\_ DATE JUNE 2011 SCALE 1"=20'

FED. ROAD DIV. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	R.I.			40	57



MATCH LINE TO DRAINAGE AND UTILITY PLAN NO. 5

MATCH LINE TO DRAINAGE AND UTILITY PLAN NO. 7

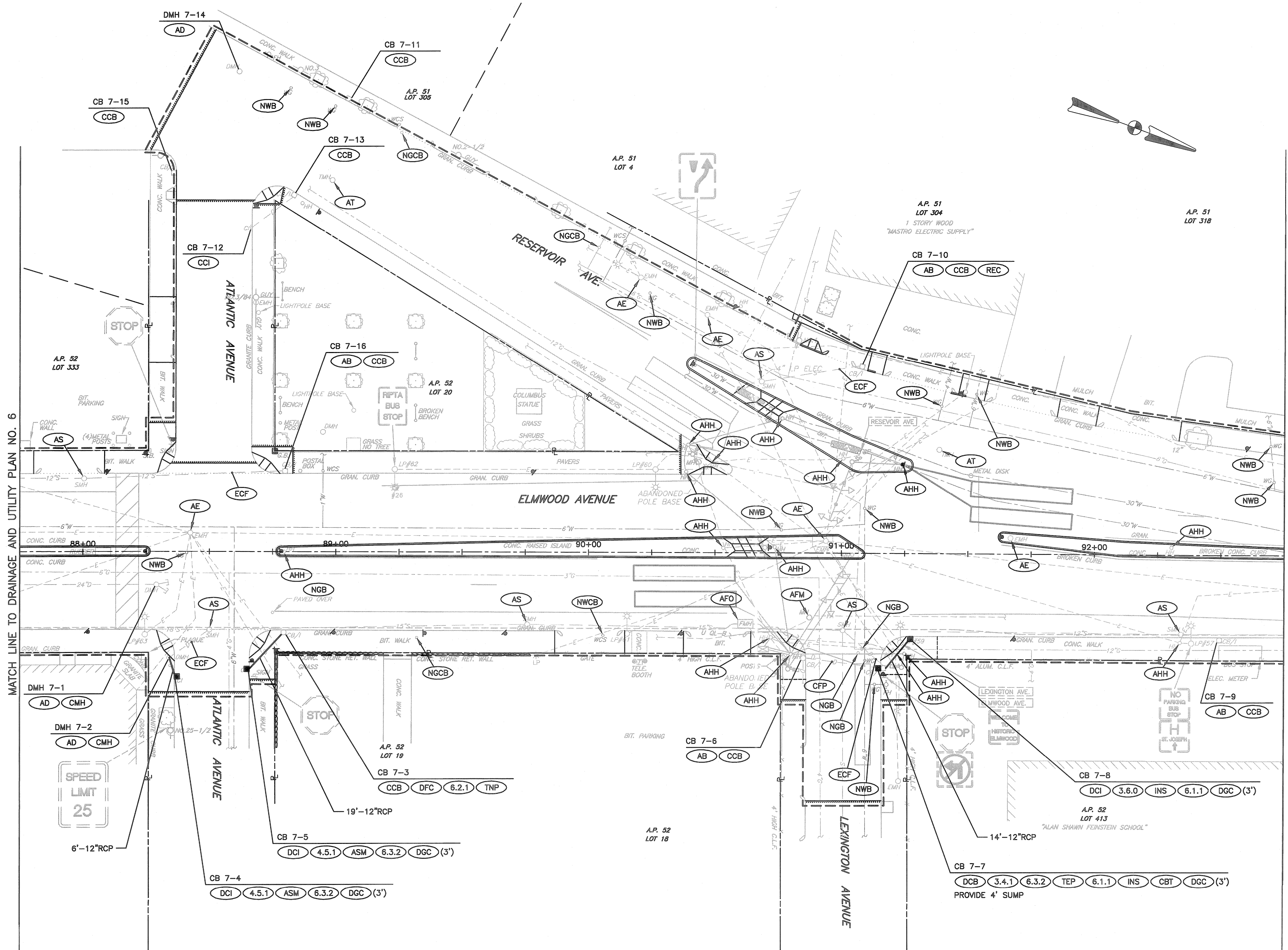
NOTE: ALL PROPERTY LINES SHOWN ON THIS PLAN ARE APPROXIMATE.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
A.P. 52 Lot 100 FRESHWATER WETLANDS PROGRAM  
REVIEWED SITE PLAN APPLICATION NO. 11-0152  
DATED JUL 27 2011  
SEE LETTER OF SAME DATE  
*Charles A. Herbert*

REVISIONS		
NO.	DATE	BY

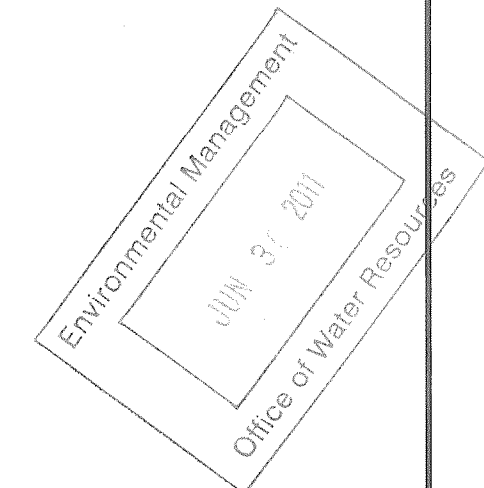
**RHODE ISLAND**  
DEPARTMENT OF TRANSPORTATION  
  
**1R / ARTERIAL IMPROVEMENTS TO**  
**ELMWOOD AVENUE**  
CONTRACT 3  
PROVIDENCE / CRANSTON RHODE ISLAND  
  
**DRAINAGE AND UTILITY PLAN NO. 6**  
  
CHECKED BY \_\_\_\_\_ DATE JUNE 2011 SCALE 1"=20'

**CROSSMAN ENGINEERING**  
a division of Crossman Corporation  
151 Centerville Road | Warwick, Rhode Island 02886



NOTE: ALL PROPERTY LINES SHOWN ON THIS PLAN ARE APPROXIMATE.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PROGRAM  
 REVIEWED SITE PLAN APPLICATION NO. 11-9132  
 DATED JULY 22, 2011  
 SEE LETTER OF SAME DATE.  
*Charles A. Hubert*



REVISIONS		
NO.	DATE	BY

**RHODE ISLAND**  
**DEPARTMENT OF TRANSPORTATION**

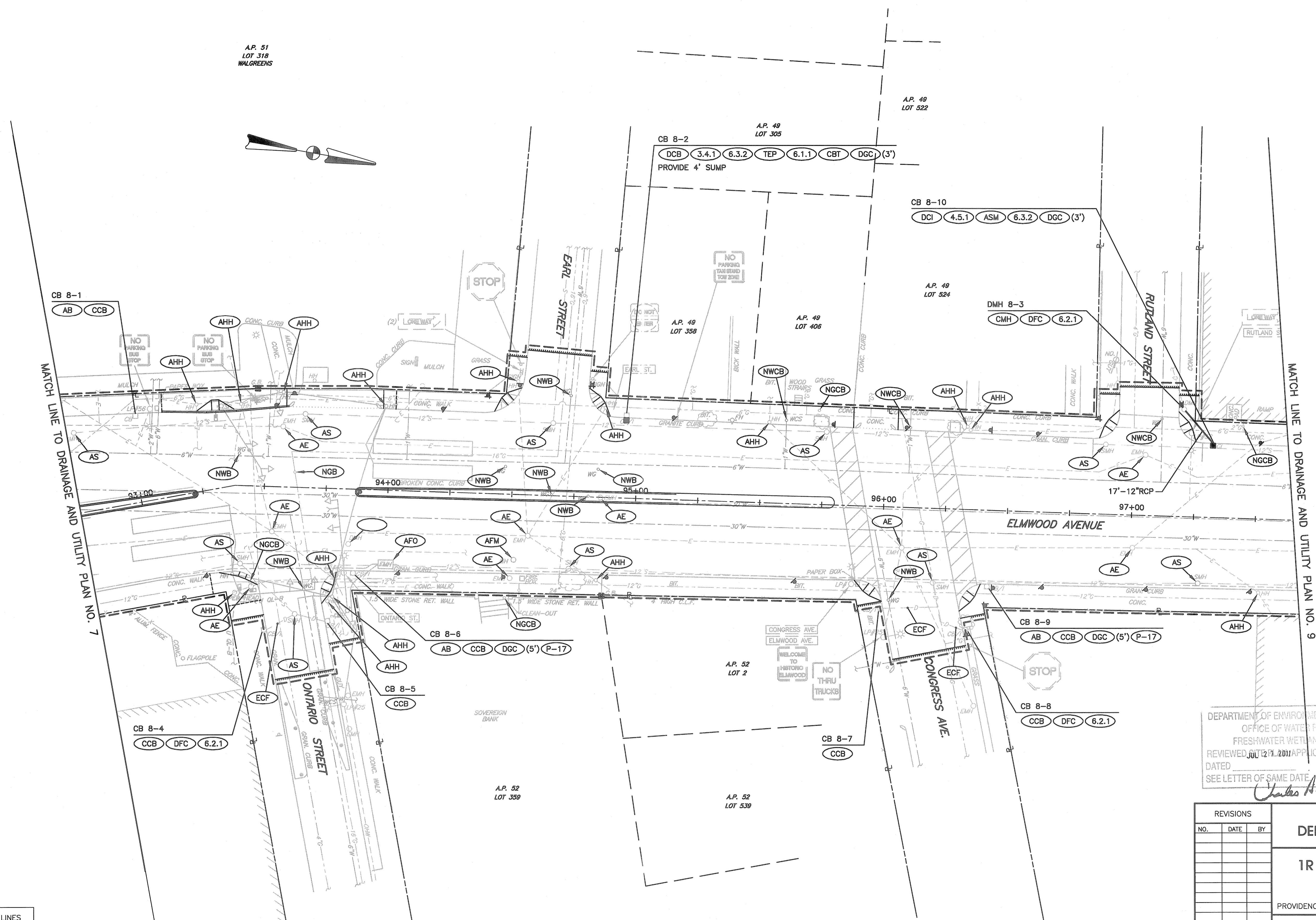
**1R / ARTERIAL IMPROVEMENTS TO**  
**ELMWOOD AVENUE**  
**CONTRACT 3**

PROVIDENCE / CRANSTON      RHODE ISLAND

**DRAINAGE AND UTILITY PLAN NO. 7**

CHECKED BY \_\_\_\_\_ DATE JUNE 2011 SCALE 1"=20'

**CROSSMAN ENGINEERING**  
 | a division of Crossman Corporation |  
 151 Centerville Road | Warwick, Rhode Island 02886



A.P. 51  
LOT 318  
MALGREENS

A.P. 49  
LOT 522

A.P. 49  
LOT 305

A.P. 49  
LOT 524

A.P. 49  
LOT 358

A.P. 49  
LOT 406

A.P. 52  
LOT 2

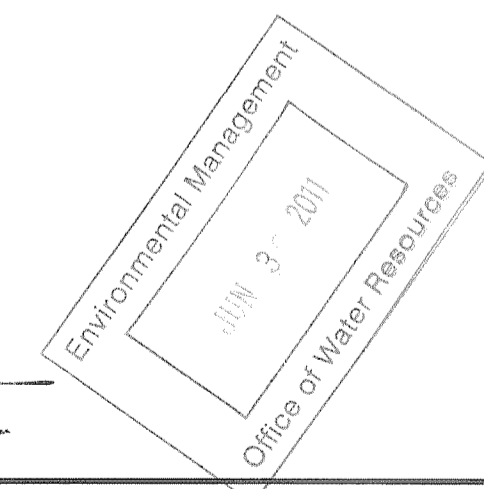
A.P. 52  
LOT 359

A.P. 52  
LOT 539

NOTE: ALL PROPERTY LINES SHOWN ON THIS PLAN ARE APPROXIMATE.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
REVIEWED JUL 27, 2011 APPLICATION NO.: 11-0132  
DATED  
SEE LETTER OF SAME DATE

*James A. Harter*



REVISIONS		
NO.	DATE	BY

**RHODE ISLAND**  
**DEPARTMENT OF TRANSPORTATION**

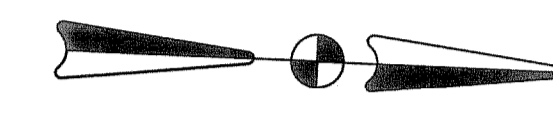
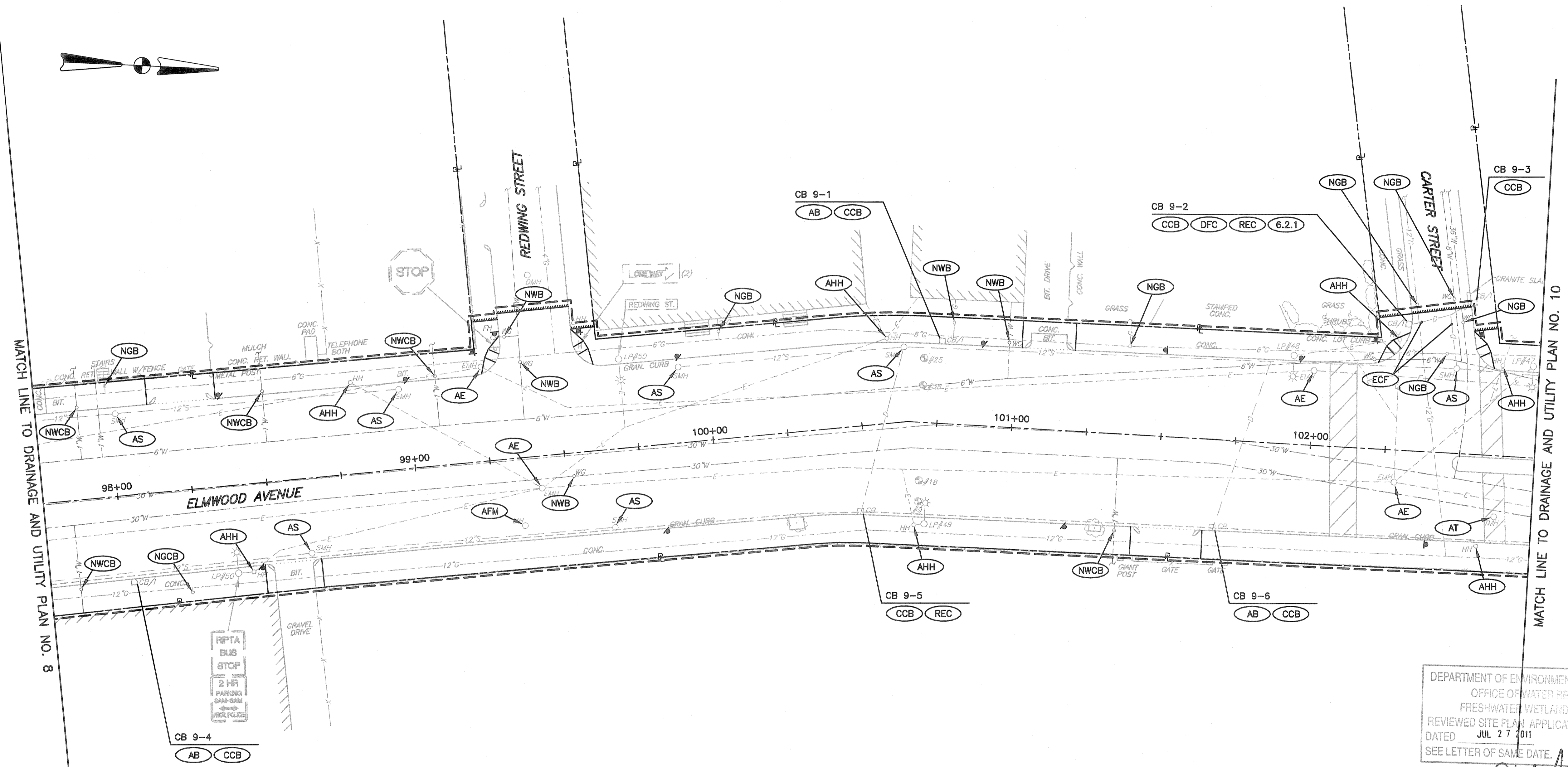
**TR / ARTERIAL IMPROVEMENTS TO**  
**ELMWOOD AVENUE**  
**CONTRACT 3**

PROVIDENCE / CRANSTON RHODE ISLAND

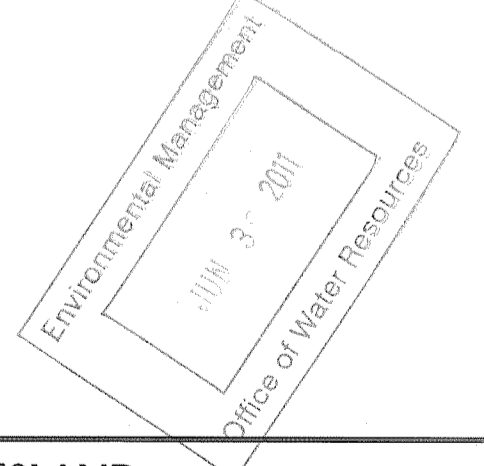
**DRAINAGE AND UTILITY PLAN NO. 8**

**CROSSMAN ENGINEERING**  
a division of Crossman Corporation |  
151 Centerville Road | Warwick, Rhode Island 02886

CHECKED BY \_\_\_\_\_ DATE JUNE 2011 SCALE: 1"=20'



DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PROGRAM  
 REVIEWED SITE PLAN APPLICATION NO.: 11-0152  
 DATED JUL 27 2011  
 SEE LETTER OF SAME DATE.  
 Charles A. Hackett



NOTE: ALL PROPERTY LINES SHOWN ON THIS PLAN ARE APPROXIMATE.

REVISIONS		
NO.	DATE	BY

**RHODE ISLAND**  
**DEPARTMENT OF TRANSPORTATION**

**1R / ARTERIAL IMPROVEMENTS TO**  
**ELMWOOD AVENUE**  
**CONTRACT 3**

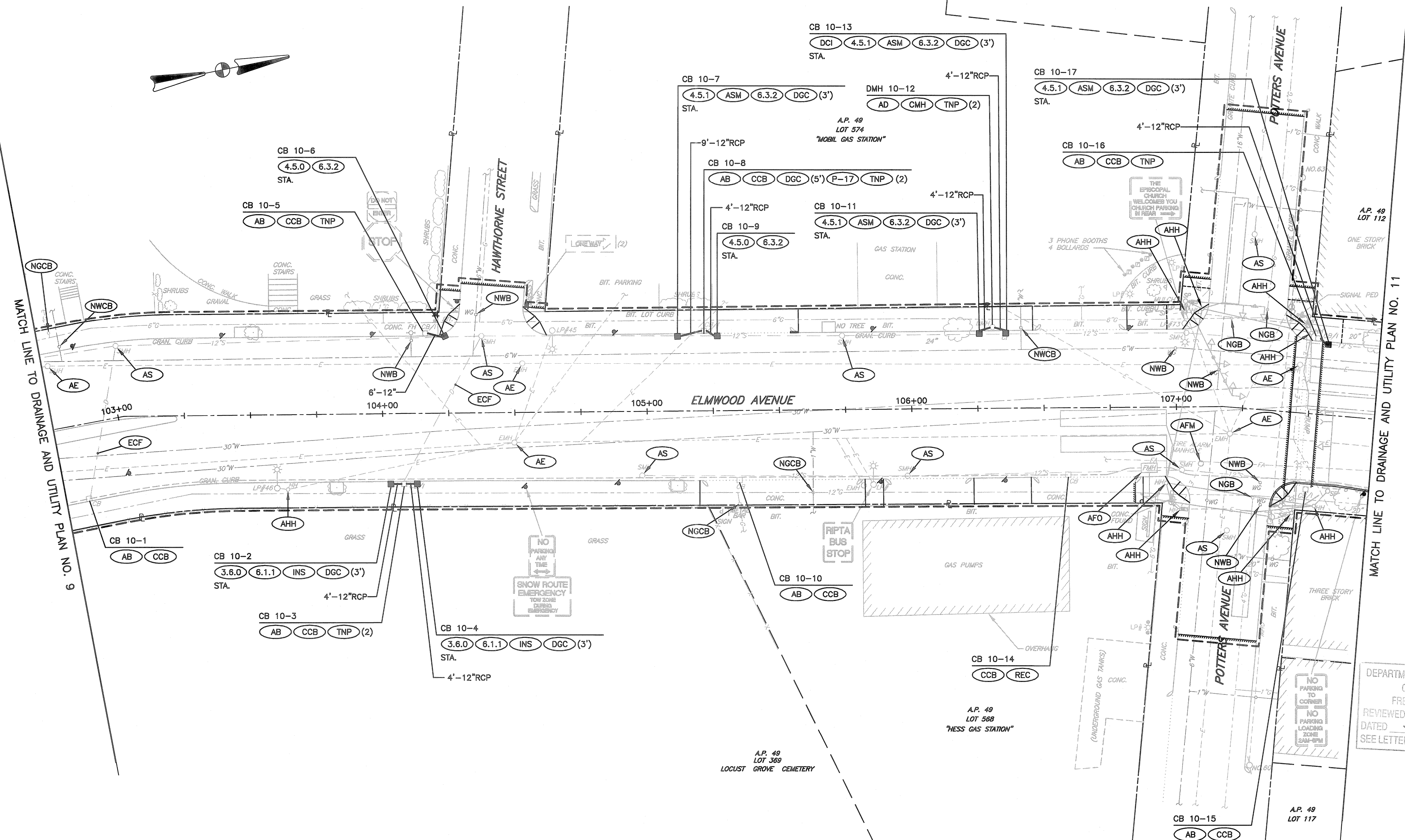
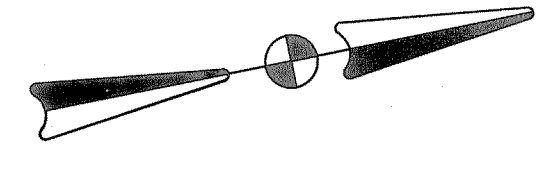
PROVIDENCE / CRANSTON RHODE ISLAND

---

**DRAINAGE AND UTILITY PLAN NO. 9**

CHECKED BY \_\_\_\_\_ DATE JUNE 2011 SCALE 1"=20'

**CROSSMAN ENGINEERING**  
 | a division of Crossman Corporation |  
 151 Centerville Road | Warwick, Rhode Island 02886



MATCH LINE TO DRAINAGE AND UTILITY PLAN NO. 9

MATCH LINE TO DRAINAGE AND UTILITY PLAN NO. 11

NOTE: ALL PROPERTY LINES SHOWN ON THIS PLAN ARE APPROXIMATE.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PROGRAM  
 REVIEWED SITE PLAN APPLICATION NO: 11-0132  
 DATED JUL 27 2011  
 SEE LETTER OF SAME DATE.

*Charles A. Hackett*  
 Environmental Management  
 JUL 31 2011  
 Office of Water Resources

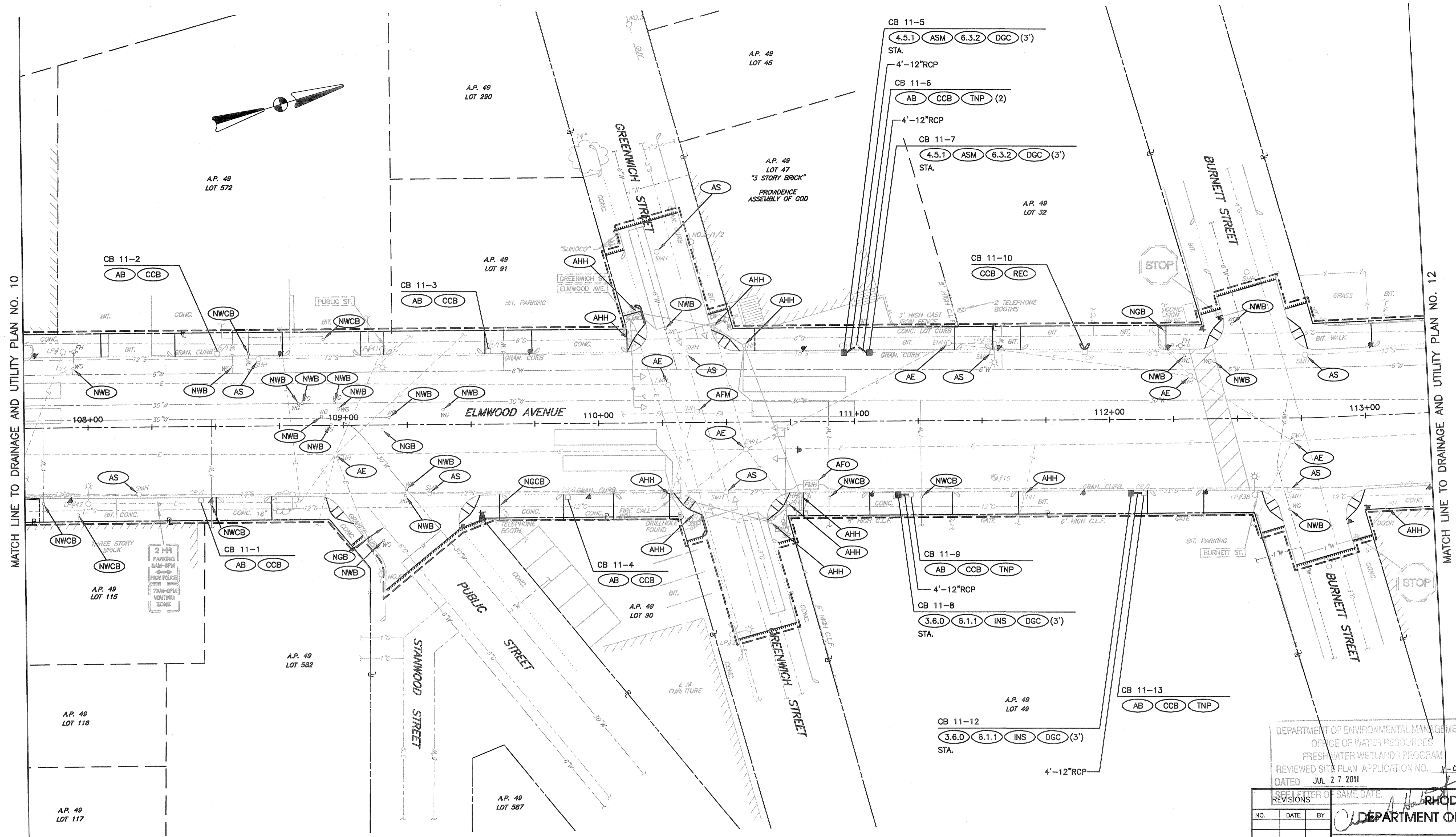
REVISIONS		
NO.	DATE	BY

**RHODE ISLAND**  
**DEPARTMENT OF TRANSPORTATION**  
 1R / ARTERIAL IMPROVEMENTS TO  
 ELMWOOD AVENUE  
 CONTRACT 3  
 PROVIDENCE / CRANSTON RHODE ISLAND

**DRAINAGE AND UTILITY PLAN NO. 10**

**CROSSMAN ENGINEERING**  
 a division of Crossman Corporation  
 151 Centerville Road | Warwick, Rhode Island 02886

CHECKED BY: \_\_\_\_\_ DATE: JUNE 2011 SCALE: 1"=20'



NOTE: ALL PROPERTY LINES SHOWN ON THIS PLAN ARE APPROXIMATE.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 FRESH WATER WETLANDS PROGRAM  
 REVIEWED SITE PLAN APPLICATION NO. 11-6132  
 DATED JUL 27 2011

Environmental Management  
 JUL 30 2011  
 Office of Water Resources

REVISIONS		
NO.	DATE	BY

SEE LETTER OF SAME DATE.

RHODE ISLAND  
 DEPARTMENT OF TRANSPORTATION

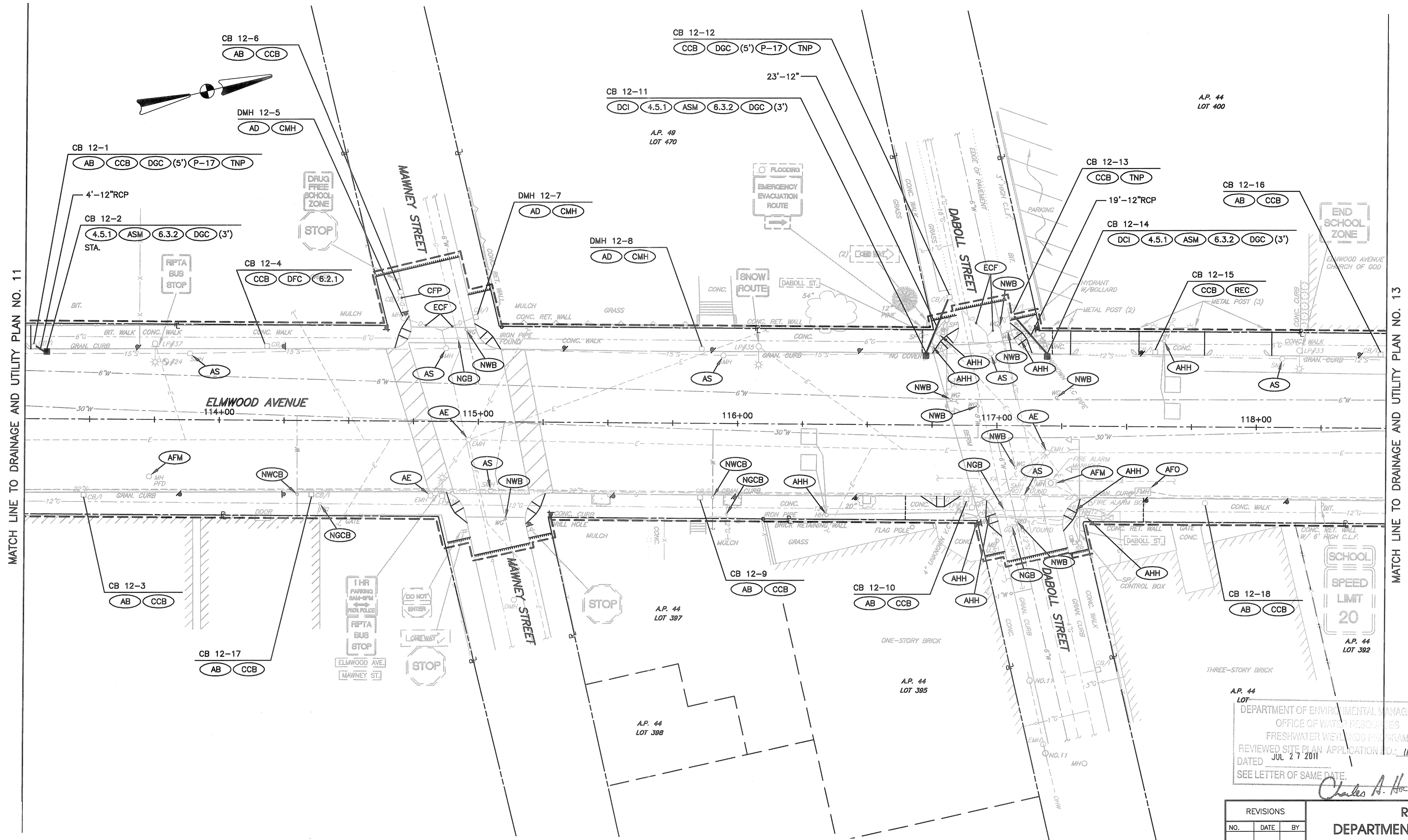
1R / ARTERIAL IMPROVEMENTS TO  
 ELMWOOD AVENUE  
 CONTRACT 3  
 PROVIDENCE / CRANSTON RHODE ISLAND

DRAINAGE AND UTILITY PLAN NO. 11

CHECKED BY \_\_\_\_\_ DATE JUNE 2011 SCALE 1"=20'

CROSSMAN ENGINEERING  
 a division of Crossman Corporation |  
 151 Centerville Road | Warwick, Rhode Island 02886

FED. ROAD DIV. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	R.I.			46	57



NOTE: ALL PROPERTY LINES SHOWN ON THIS PLAN ARE APPROXIMATE.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
REVIEWED SITE PLAN APPLICATION NO. 11-0132  
DATED JUL 27 2011  
SEE LETTER OF SAME DATE.

*Charles A. Huber*  
Environmental Management  
Office of Water Resources  
JUL 3 2011

REVISIONS		
NO.	DATE	BY

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION**

**1R / ARTERIAL IMPROVEMENTS TO ELMWOOD AVENUE CONTRACT 3**

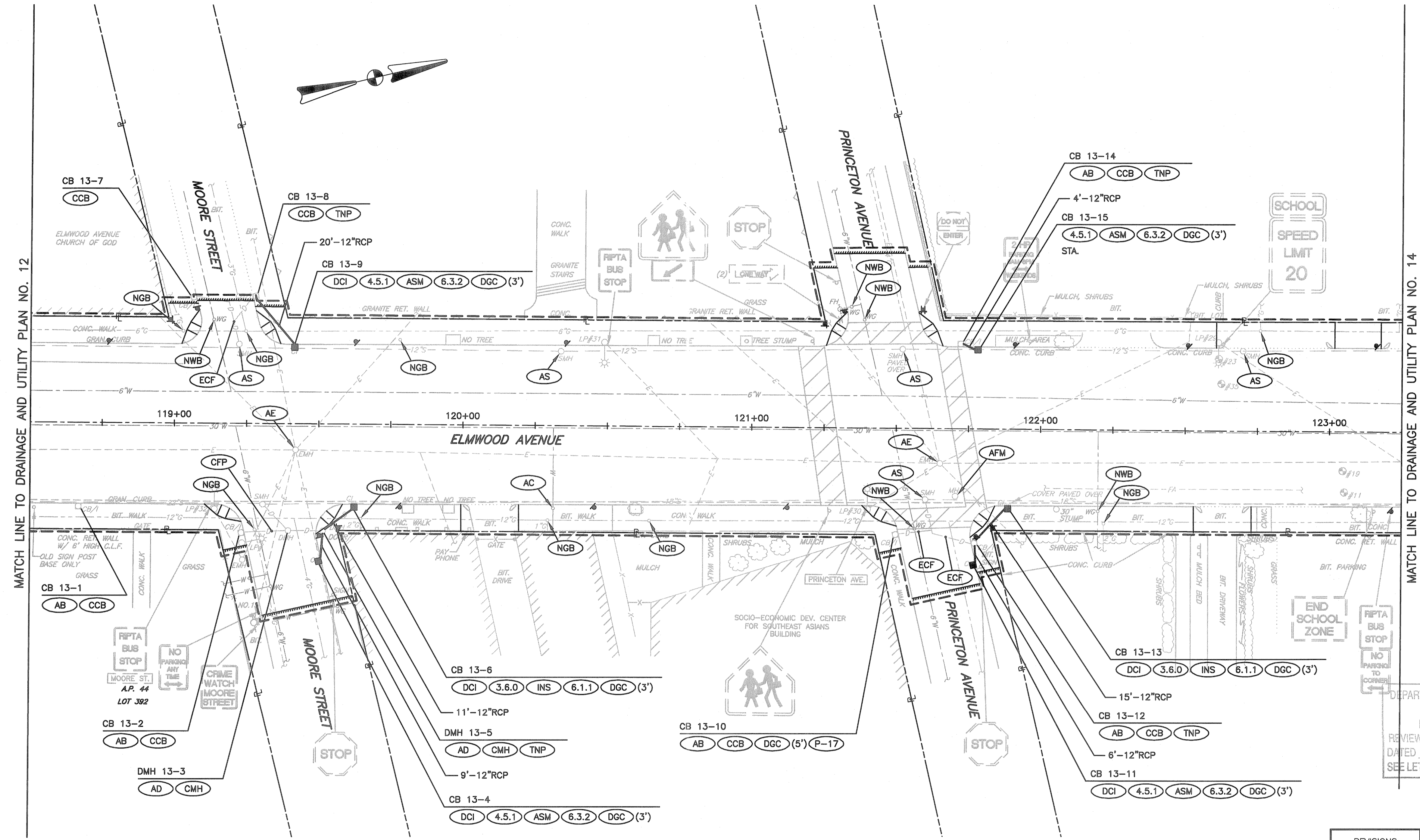
PROVIDENCE / CRANSTON RHODE ISLAND

**DRAINAGE AND UTILITY PLAN NO. 12**

**CROSSMAN ENGINEERING**  
a division of Crossman Corporation  
151 Centerville Road | Warwick, Rhode Island 02886

CHECKED BY \_\_\_\_\_ DATE JUNE 2011 SCALE 1"=20'

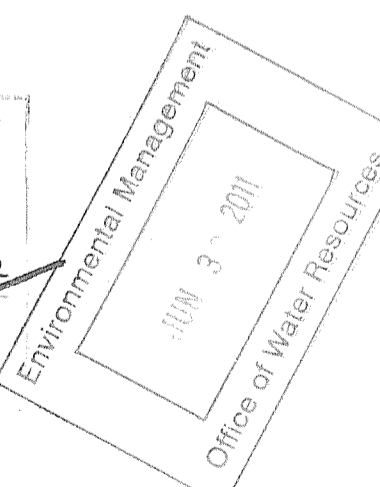
FED. ROAD DIV. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	R.I.			47	57



NOTE: ALL PROPERTY LINES SHOWN ON THIS PLAN ARE APPROXIMATE.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PROGRAM  
 REVIEWED SITE PLAN APPLICATION NO. 11-0022  
 DATED 11-27-2011  
 SEE LETTER OF SAME DATE.

*Charles A. Hubert*



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NO.	DATE	BY

**RHODE ISLAND**  
**DEPARTMENT OF TRANSPORTATION**

**1R / ARTERIAL IMPROVEMENTS TO**  
**ELMWOOD AVENUE**  
**CONTRACT 3**

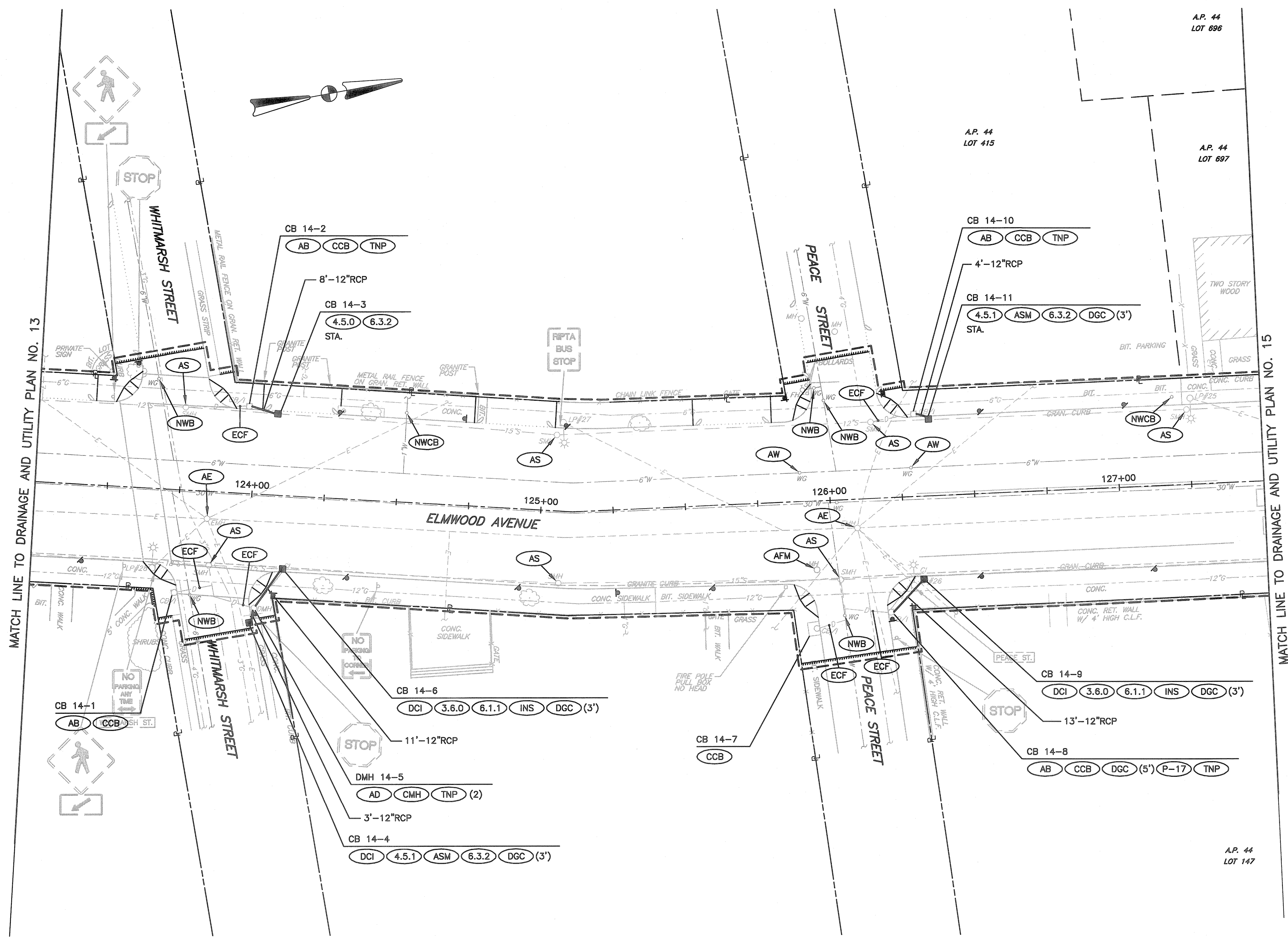
PROVIDENCE / CRANSTON RHODE ISLAND

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**DRAINAGE AND UTILITY PLAN NO. 13**

CHECKED BY \_\_\_\_\_ DATE JUNE 2011 SCALE 1"=20'

**CROSSMAN ENGINEERING**  
 | a division of Crossman Corporation |  
 151 Centerville Road | Warwick, Rhode Island 02886



MATCH LINE TO DRAINAGE AND UTILITY PLAN NO. 13

MATCH LINE TO DRAINAGE AND UTILITY PLAN NO. 15

NOTE: ALL PROPERTY LINES SHOWN ON THIS PLAN ARE APPROXIMATE.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PROGRAM  
 REVIEWED SITE PLAN APPLICATION NO.: 11-0172  
 DATED JUL 27 2011  
 SEE LETTER OF SAME DATE.

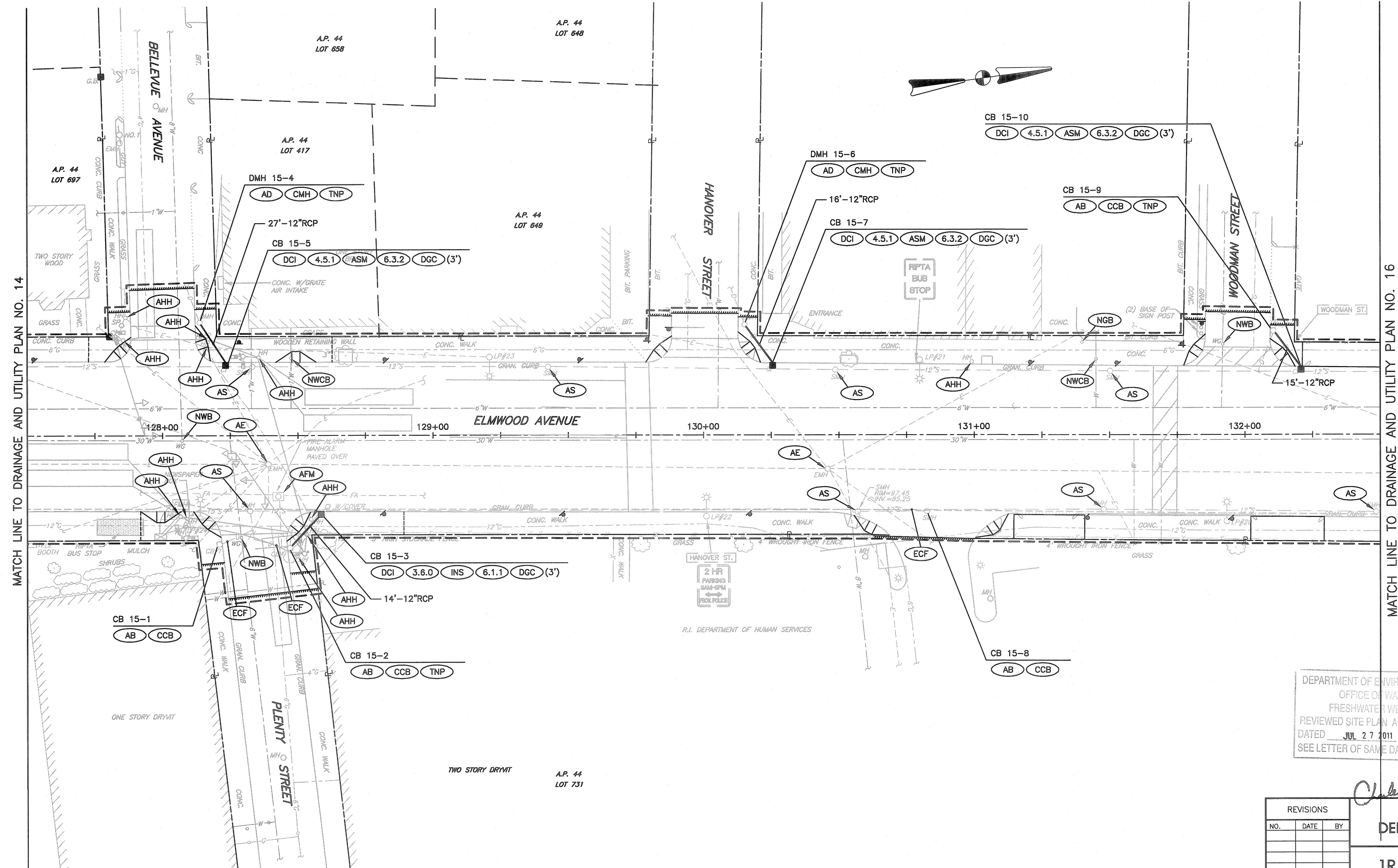
*Charles A. Haber*

Environmental Management  
 JUN 3 2011  
 Office of Water Resources

REVISIONS		
NO.	DATE	BY

<b>RHODE ISLAND</b> <b>DEPARTMENT OF TRANSPORTATION</b>	
<b>1R / ARTERIAL IMPROVEMENTS TO</b> <b>ELMWOOD AVENUE</b> <b>CONTRACT 3</b>	
PROVIDENCE / CRANSTON	RHODE ISLAND
<b>DRAINAGE AND UTILITY PLAN NO. 14</b>	
CHECKED BY _____	DATE: JUNE 2011 SCALE: 1"=20'

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 a division of Crossman Corporation  
 151 Centerville Road | Warwick, Rhode Island 02886



MATCH LINE TO DRAINAGE AND UTILITY PLAN NO. 14

MATCH LINE TO DRAINAGE AND UTILITY PLAN NO. 16

NOTE: ALL PROPERTY LINES SHOWN ON THIS PLAN ARE APPROXIMATE.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PROGRAM  
 REVIEWED SITE PLAN APPLICATION NO. 11-0132  
 DATED JUL 27 2011  
 SEE LETTER OF SAME DATE.

*Charles A. Herbert*

**RHODE ISLAND**  
**DEPARTMENT OF TRANSPORTATION**  
 1R / ARTERIAL IMPROVEMENTS TO  
 ELMWOOD AVENUE  
 CONTRACT 3  
 PROVIDENCE / CRANSTON RHODE ISLAND

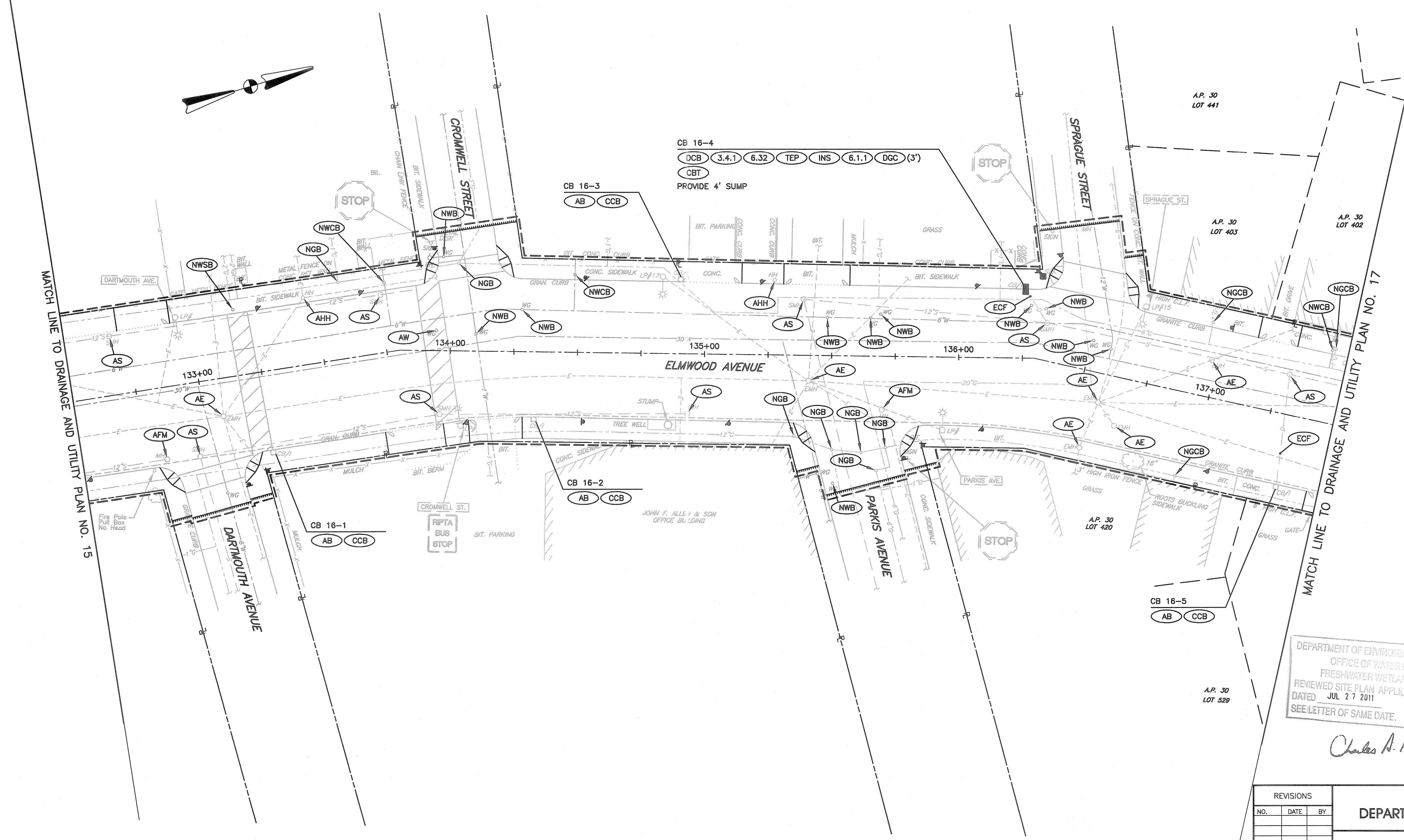
**DRAINAGE AND UTILITY PLAN NO. 15**

REVISIONS		
NO.	DATE	BY

**CROSSMAN ENGINEERING**  
 a division of Crossman Corporation  
 151 Centerville Road | Warwick, Rhode Island 02886

CHECKED BY: \_\_\_\_\_ DATE: JUNE 2011 SCALE: 1"=20'

FED. ROAD DIV. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	R.I.			50	57



MATCH LINE TO DRAINAGE AND UTILITY PLAN NO. 15

MATCH LINE TO DRAINAGE AND UTILITY PLAN NO. 17

NOTE: ALL PROPERTY LINES SHOWN ON THIS PLAN ARE APPROXIMATE.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PROGRAM  
 REVIEWED SITE PLAN APPLICATION NO. 11-0132  
 DATED JUL 27 2011  
 SEE LETTER OF SAME DATE.  
*Charles A. Harbert*  
 Environmental Management  
 Office of Water Resources

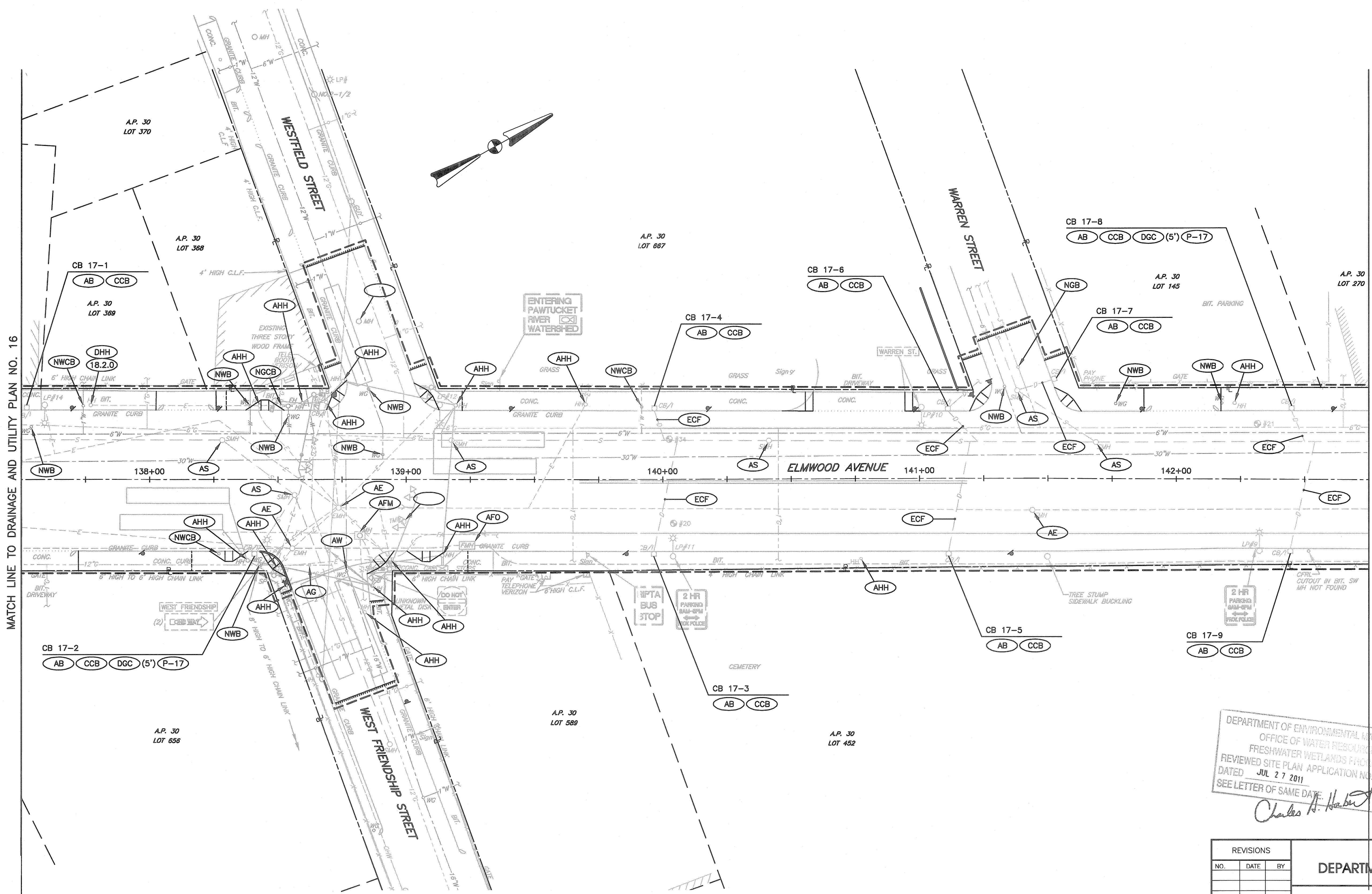
REVISIONS		
NO.	DATE	BY

**RHODE ISLAND**  
**DEPARTMENT OF TRANSPORTATION**  
 1R / ARTERIAL IMPROVEMENTS TO  
 ELMWOOD AVENUE  
 CONTRACT 3  
 PROVIDENCE / CRANSTON RHODE ISLAND

**DRAINAGE AND UTILITY PLAN NO. 16**

**CROSSMAN ENGINEERING**  
 | a division of Crossman Corporation |  
 151 Centerville Road | Warwick, Rhode Island 02886

CHECKED BY \_\_\_\_\_ DATE JUNE 2011 SCALE 1"=20'

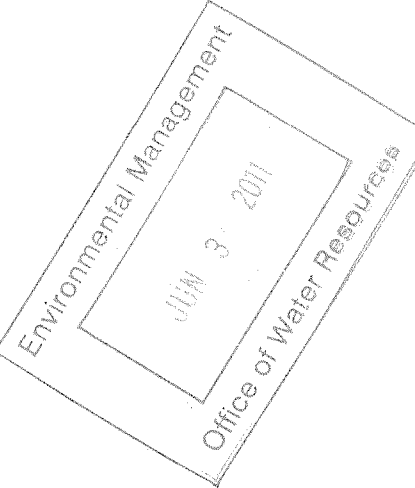


MATCH LINE TO DRAINAGE AND UTILITY PLAN NO. 16

MATCH LINE TO DRAINAGE AND UTILITY PLAN NO. 18

NOTE: ALL PROPERTY LINES SHOWN ON THIS PLAN ARE APPROXIMATE.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PROGRAM  
 REVIEWED SITE PLAN APPLICATION NO. 11-0132  
 DATED JUL 27 2011  
 SEE LETTER OF SAME DATE  
*Charles A. Haber*



REVISIONS		
NO.	DATE	BY

**RHODE ISLAND  
DEPARTMENT OF TRANSPORTATION**

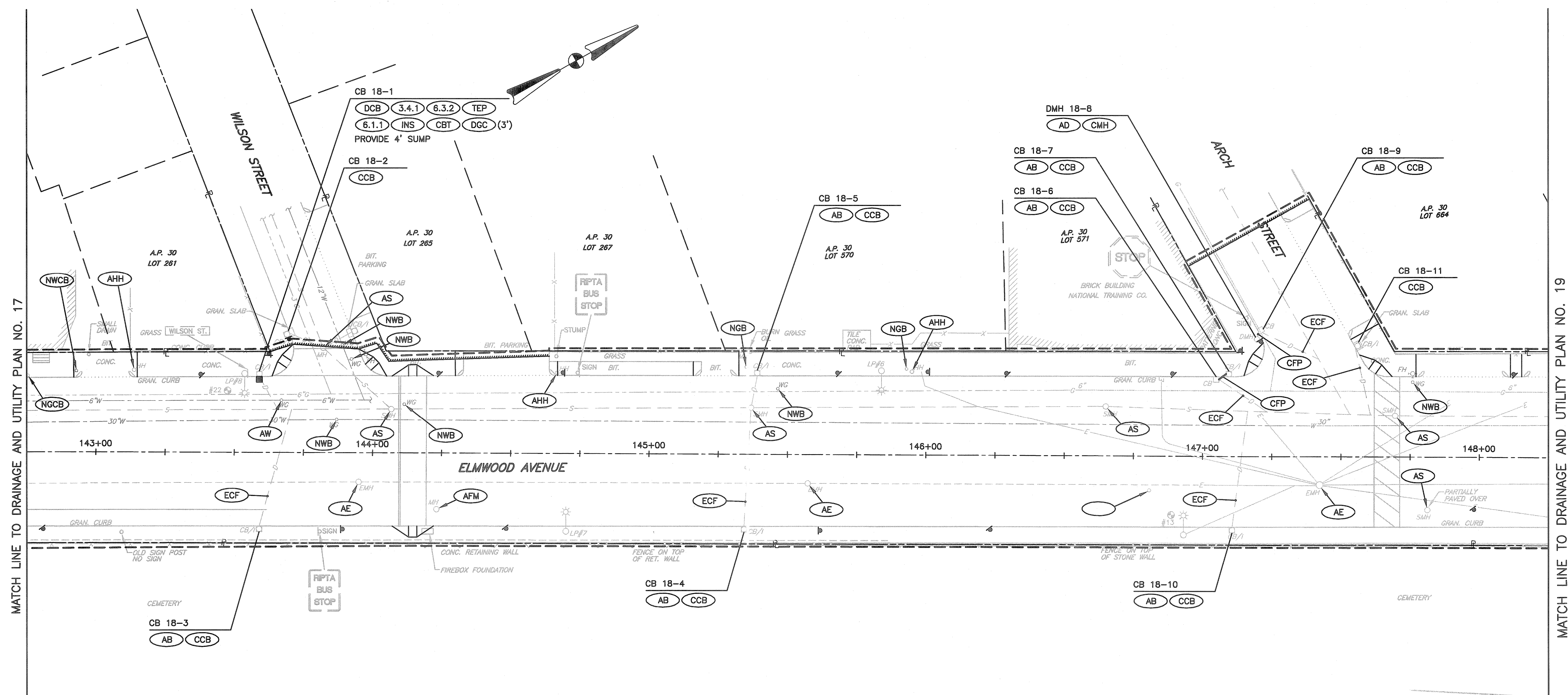
**1R / ARTERIAL IMPROVEMENTS TO  
ELMWOOD AVENUE  
CONTRACT 3**

PROVIDENCE / CRANSTON RHODE ISLAND

**DRAINAGE AND UTILITY PLAN NO. 17**

CHECKED BY \_\_\_\_\_ DATE JUNE 2011 SCALE 1"=20'

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 151 Centerville Road | Warwick, Rhode Island 02886



MATCH LINE TO DRAINAGE AND UTILITY PLAN NO. 17

MATCH LINE TO DRAINAGE AND UTILITY PLAN NO. 19

NOTE: ALL PROPERTY LINES SHOWN ON THIS PLAN ARE APPROXIMATE.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
REVIEWED SITE PLAN APPLICATION NO. 11-0132  
DATED JUL 27 2011  
SEE LETTER OF SAME DATE.

*Charles A. Herbert*

Environmental Management  
JUL 30 2011  
Office of Water Resources

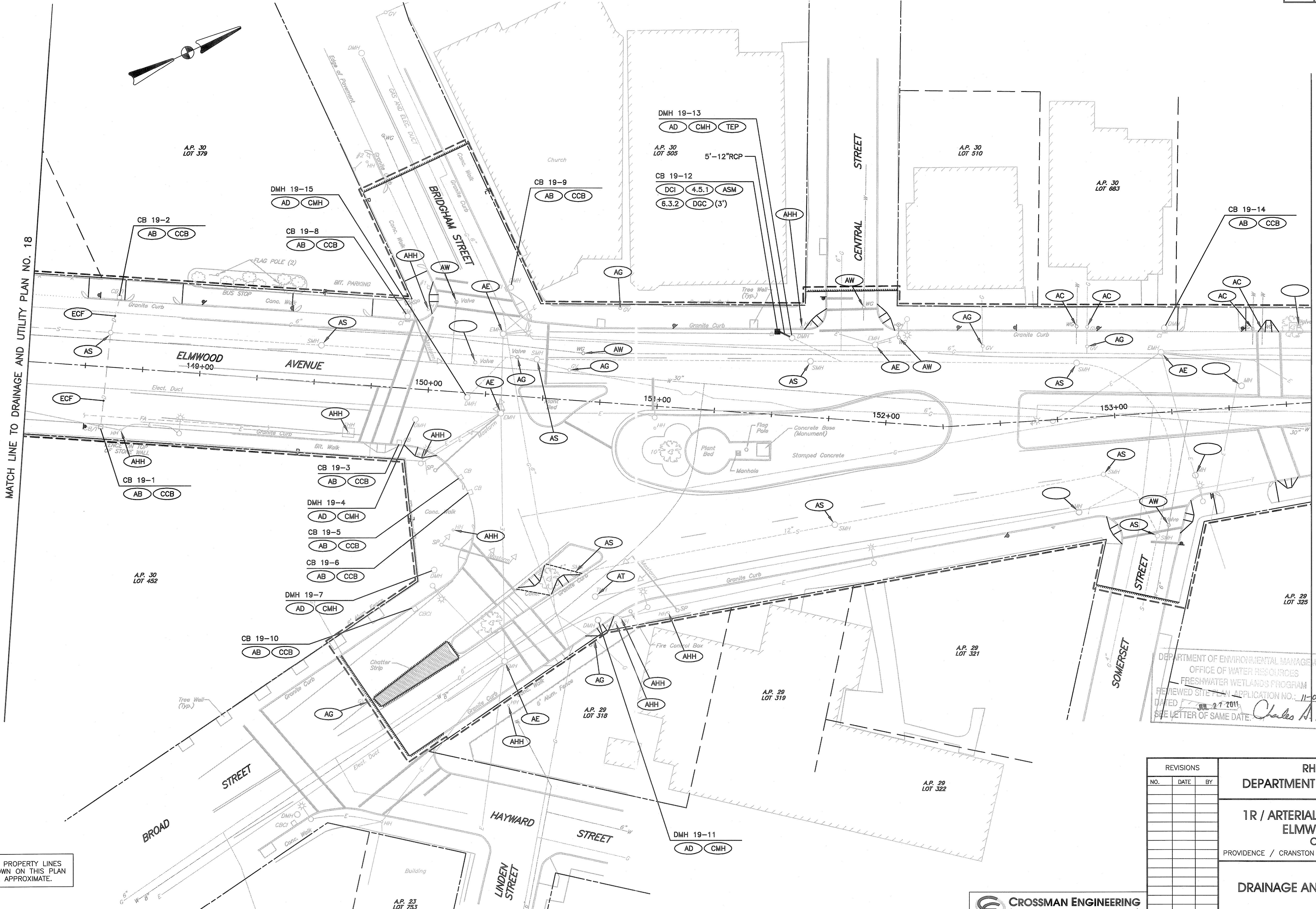
REVISIONS		
NO.	DATE	BY

RHODE ISLAND  
DEPARTMENT OF TRANSPORTATION  
1R / ARTERIAL IMPROVEMENTS TO  
ELMWOOD AVENUE  
CONTRACT 3  
PROVIDENCE / CRANSTON RHODE ISLAND

DRAINAGE AND UTILITY PLAN NO. 18

CHECKED BY \_\_\_\_\_ DATE JUNE 2011 SCALE 1"=20'

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a division of Crossman Corporation  
151 Centerville Road | Warwick, Rhode Island 02886



MATCH LINE TO DRAINAGE AND UTILITY PLAN NO. 18

MATCH LINE TO DRAINAGE AND UTILITY PLAN NO. 20

NOTE: ALL PROPERTY LINES SHOWN ON THIS PLAN ARE APPROXIMATE.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PROGRAM  
 REVIEWED STATELY APPLICATION NO. 11-0132  
 DATED 06-27-2011  
 SEE LETTER OF SAME DATE. *Charles A. Hester*  
 Environmental Management  
 (JUN 27 2011)  
 Office of Water Resources

REVISIONS		
NO.	DATE	BY

**RHODE ISLAND**  
**DEPARTMENT OF TRANSPORTATION**

**1R / ARTERIAL IMPROVEMENTS TO**  
**ELMWOOD AVENUE**  
**CONTRACT 3**

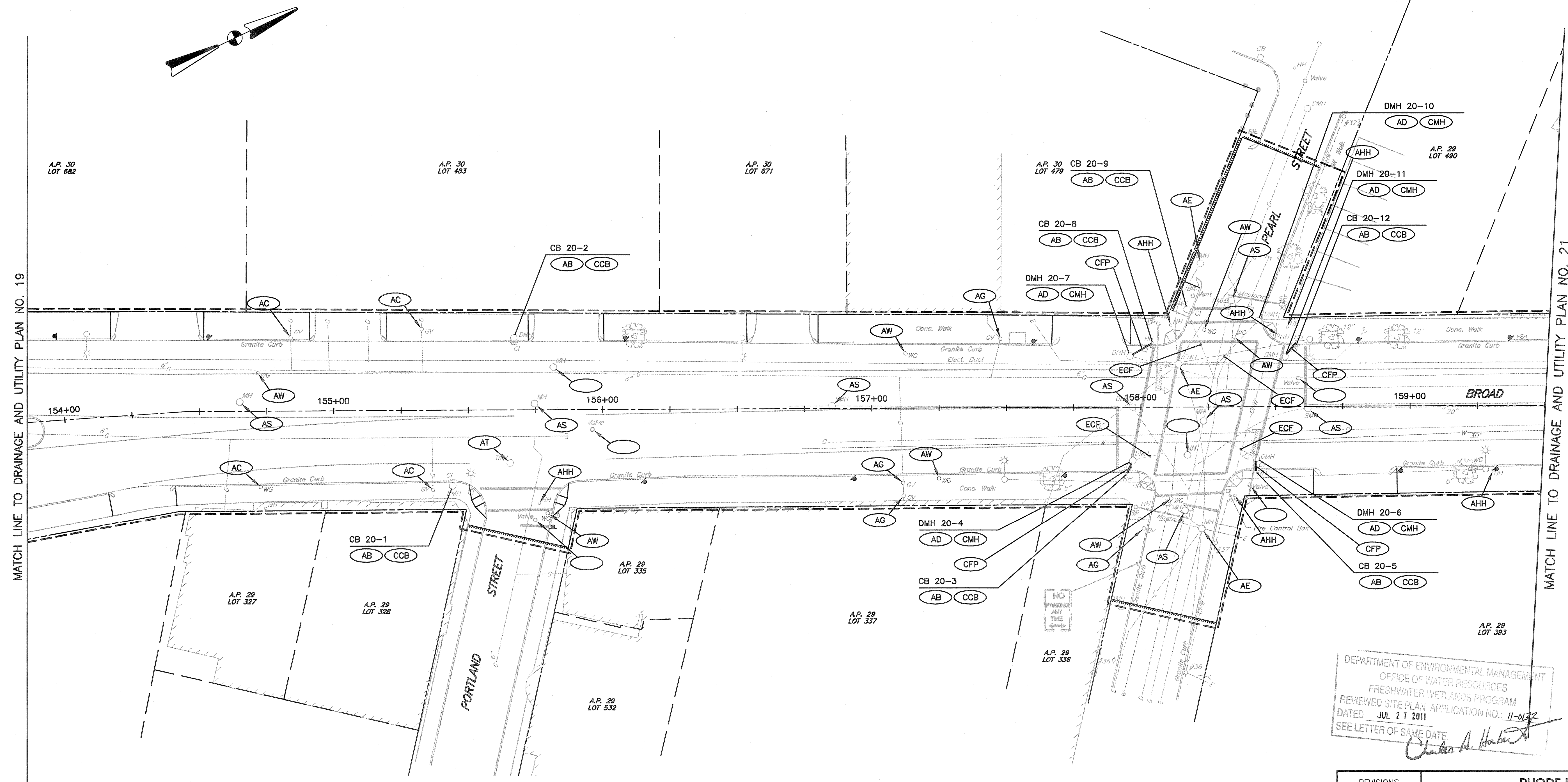
PROVIDENCE / CRANSTON RHODE ISLAND

**DRAINAGE AND UTILITY PLAN NO. 19**

CHECKED BY \_\_\_\_\_ DATE JUNE 2011 SCALE 1"=20'

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 | a division of Crossman Corporation |  
 151 Centerville Road | Warwick, Rhode Island 02886

FED. ROAD DIV. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	R.I.			54	57



MATCH LINE TO DRAINAGE AND UTILITY PLAN NO. 19

MATCH LINE TO DRAINAGE AND UTILITY PLAN NO. 21

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PROGRAM  
 REVIEWED SITE PLAN APPLICATION NO.: 11-0132  
 DATED JUL 27 2011  
 SEE LETTER OF SAME DATE.  
*Charles A. Harker*

Environmental Management  
 JUN 3 2011  
 Office of Water Resources

NOTE: ALL PROPERTY LINES SHOWN ON THIS PLAN ARE APPROXIMATE.

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 | a division of Crossman Corporation |  
 151 Centerville Road | Warwick, Rhode Island 02886

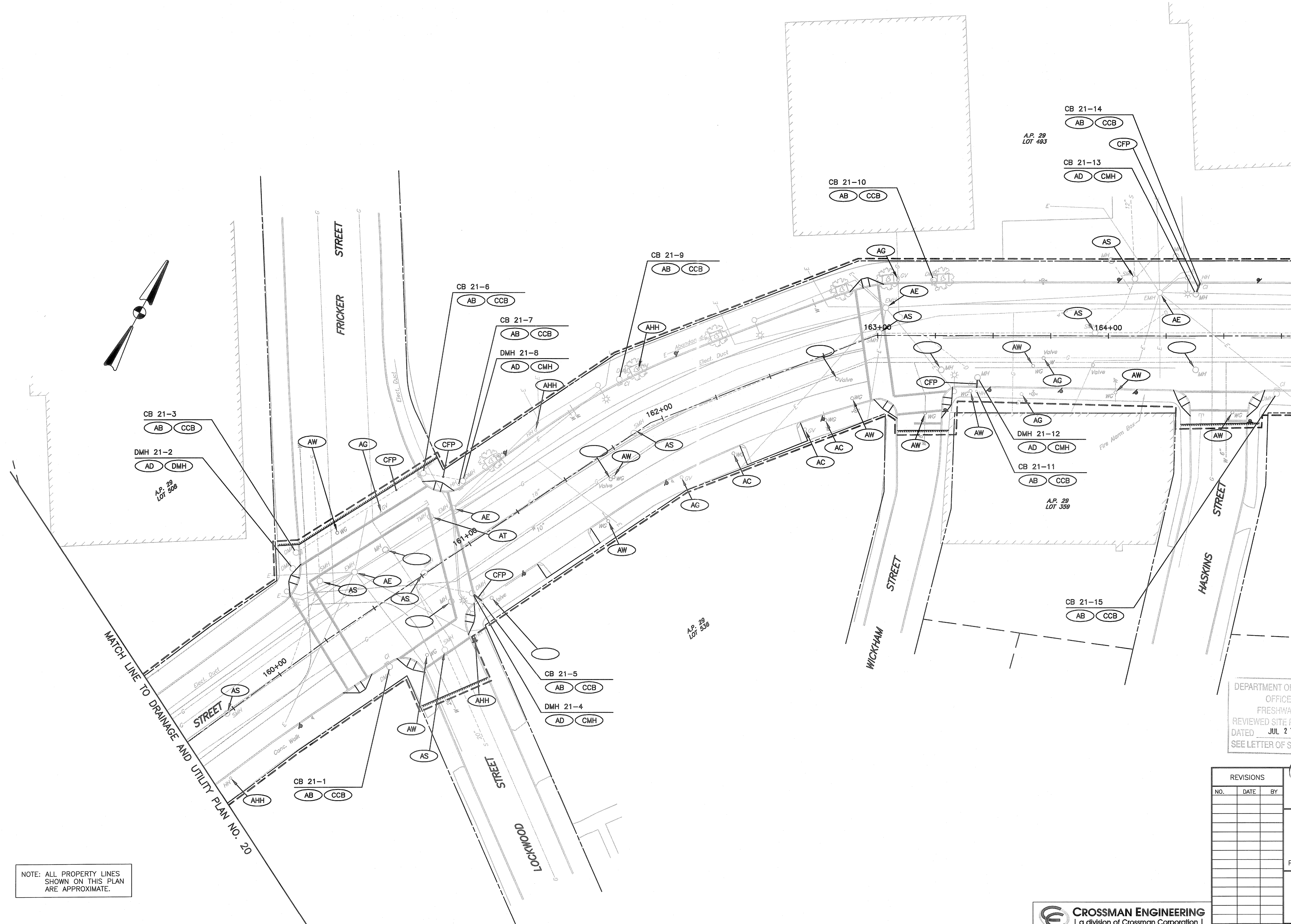
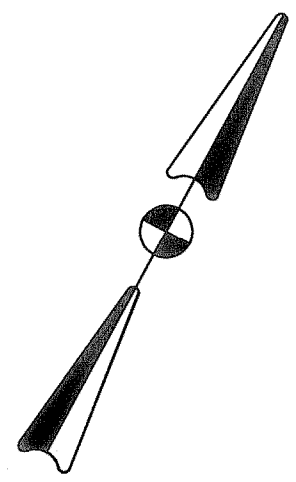
REVISIONS		
NO.	DATE	BY

RHODE ISLAND  
 DEPARTMENT OF TRANSPORTATION

1R / ARTERIAL IMPROVEMENTS TO  
 ELMWOOD AVENUE  
 CONTRACT 3  
 PROVIDENCE / CRANSTON RHODE ISLAND

DRAINAGE AND UTILITY PLAN NO. 20

CHECKED BY: \_\_\_\_\_ DATE: JUNE 2011 SCALE: 1"=20'



MATCH LINE TO DRAINAGE AND UTILITY PLAN NO. 20

MATCH LINE TO DRAINAGE AND UTILITY PLAN NO. 22

NOTE: ALL PROPERTY LINES SHOWN ON THIS PLAN ARE APPROXIMATE.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PROGRAM  
 REVIEWED SITE PLAN APPLICATION NO. 11-0132  
 DATED JUL 27 2011  
 SEE LETTER OF SAME DATE.

*Charles A. Haber*

REVISIONS		
NO.	DATE	BY

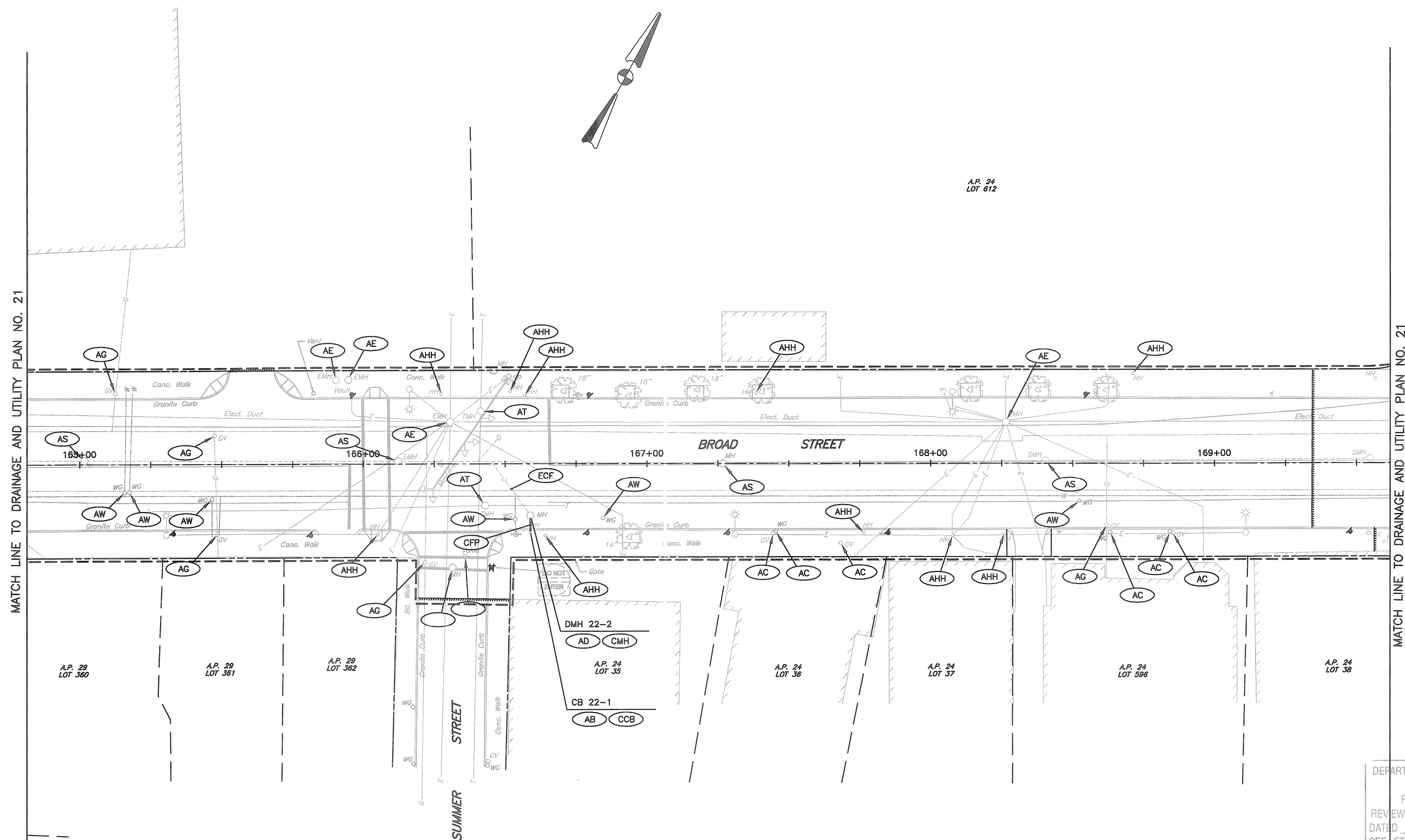
RHODE ISLAND  
 DEPARTMENT OF TRANSPORTATION  
 1R / ARTERIAL IMPROVEMENTS TO  
 ELMWOOD AVENUE  
 CONTRACT 3  
 PROVIDENCE / CRANSTON RHODE ISLAND

DRAINAGE AND UTILITY PLAN NO. 21

CHECKED BY \_\_\_\_\_ DATE JUNE 2011 SCALE 1"=20'

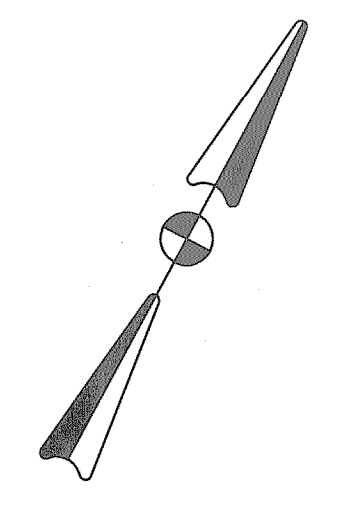
**CROSSMAN ENGINEERING**  
 | a division of Crossman Corporation |  
 151 Centerville Road | Warwick, Rhode Island 02886

Environmental Management  
 (11/11 31 2011)  
 Office of Water Resources



MATCH LINE TO DRAINAGE AND UTILITY PLAN NO. 21

MATCH LINE TO DRAINAGE AND UTILITY PLAN NO. 21



A.P. 24  
LOT 612

A.P. 29  
LOT 360

A.P. 29  
LOT 361

A.P. 29  
LOT 362

A.P. 24  
LOT 35

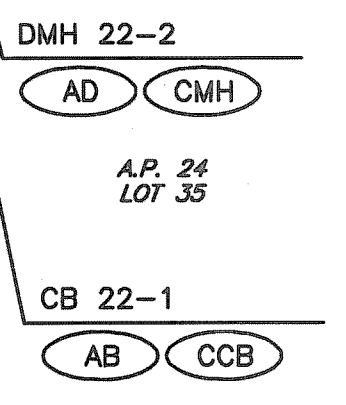
A.P. 24  
LOT 36

A.P. 24  
LOT 37

A.P. 24  
LOT 596

A.P. 24  
LOT 38

SUMMER STREET



DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
REVIEWED SITE PLAN APPLICATION NO. 11-0132  
DATE JUL 27 2011  
SEE LETTER OF SAME DATE

*Charles A. Haber*

NOTE: ALL PROPERTY LINES SHOWN ON THIS PLAN ARE APPROXIMATE.

REVISIONS		
NO.	DATE	BY

**RHODE ISLAND  
DEPARTMENT OF TRANSPORTATION**

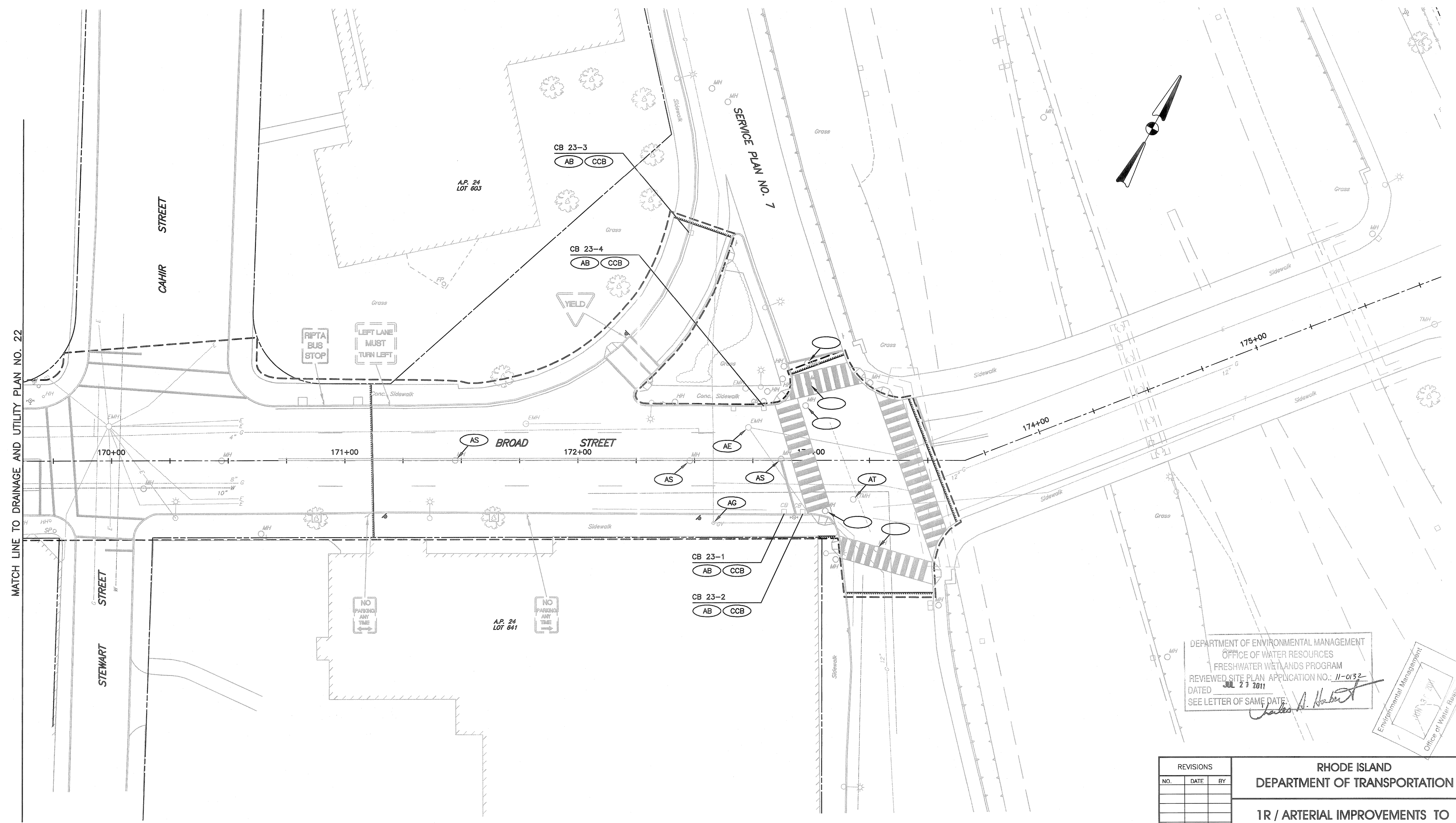
**1R / ARTERIAL IMPROVEMENTS TO  
ELMWOOD AVENUE  
CONTRACT 3**

PROVIDENCE / CRANSTON RHODE ISLAND

**DRAINAGE AND UTILITY PLAN NO. 22**

CHECKED BY \_\_\_\_\_ DATE JUNE 2011 SCALE 1"=20'

**CROSSMAN ENGINEERING**  
a division of Crossman Corporation  
151 Centerville Road | Warwick, Rhode Island 02886



NOTE: ALL PROPERTY LINES SHOWN ON THIS PLAN ARE APPROXIMATE.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PROGRAM  
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 DATED JUL 27 2011  
 SEE LETTER OF SAME DATE  
*Julian A. Haber*  
 Environmental Management  
 Office of Water Resources

REVISIONS		
NO.	DATE	BY

**RHODE ISLAND**  
**DEPARTMENT OF TRANSPORTATION**

**1R / ARTERIAL IMPROVEMENTS TO ELMWOOD AVENUE**  
**CONTRACT 3**

PROVIDENCE / CRANSTON RHODE ISLAND

**DRAINAGE AND UTILITY PLAN NO. 23**

CHECKED BY \_\_\_\_\_ DATE JUNE 2011 SCALE 1"=20'

**CROSSMAN ENGINEERING**  
 a division of Crossman Corporation |  
 151 Centerville Road | Warwick, Rhode Island 02886