

ELECTRICAL NOTES

- LOCATIONS OF UNDERGROUND ELECTRIC ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING LOCATIONS PRIOR TO ANY REMOVAL AND/OR RELOCATION. ANY DISRUPTION TO AN EXISTING ELECTRICAL CIRCUIT SHALL BE APPROVED BY THE COR PRIOR TO DISRUPTION. ANY DISCREPANCY ON THE PLAN REGARDING SUBSURFACE UTILITIES SHALL BE REPORTED TO THE COR. IT IS POSSIBLE THAT A SINGLE ELECTRIC LINE, AS SHOWN ON THE PLANS, COULD REPRESENT MULTIPLE LINES. ALSO, THESE LINES MAY BE ACTIVE OR ABANDONED. THE CONTRACTOR SHALL VERIFY PRIOR TO REMOVAL AND/OR RELOCATION. CONTRACTOR IS RESPONSIBLE FOR ADJUSTMENTS AS NECESSARY TO MATCH FIELD CONDITIONS.
- CONTRACTOR SHALL REMOVE ALL ABANDONED LINES. PRIOR TO REMOVAL THE CONTRACTOR SHALL COORDINATE WITH COR.
- THE MINIMUM 90-DEGREE BEND RADIUS FOR CONDUIT IS 6 TIMES THE INTERNAL DIAMETER OF THE CONDUIT. CONDUITS ENTERING A VAULT MUST ENTER THE BODY OF THE VAULT. CONDUITS MUST NEVER ENTER THE TRAFFIC RING. CONDUITS MUST MAINTAIN A 12 INCH SEPARATION FROM OTHER CONDUITS (ELEC., GAS, ETC.)
- INSTALL PULL CORDS IN ALL CONDUIT. WHEN PULLING CABLE IN CONDUIT INSTALL A PULL CORD WITH THE CABLE SO ADDITIONAL CABLE CAN BE INSTALLED LATER IF NEEDED.
- THE CONTRACTOR SHALL PUT A CAP ON THE UNUSED LEG IN CONDUIT AT THE END OF THE WIRE. THE CAPPED WIRE NEEDS TO BE ACCESSIBLE AND SHALL BE IN A JUNCTION BOX.
- THE EXISTING LIGHTING CONTROL PANELS AND CONNECTIONS ON THE SITE-LIGHTING PANEL SHALL REMAIN.
- THE CONTRACTOR IS RESPONSIBLE FOR RELOCATING AND EXTENDING THE EXISTING CONDUCTORS FOR THE SITE LIGHTING FIXTURES. THE CONTRACTOR SHALL REBALANCE THE PHASES WITH THE RELOCATED AND PROPOSED SITE LIGHTING FIXTURE POWER SUPPLY.
- ALL PROPOSED CONDUITS SHALL BE 1" C PVC UNLESS OTHERWISE NOTED. ANY CONDUIT THAT IS EXPOSED OR ENCASED IN CONCRETE, AS WELL AS ALL JUMPERS FROM HANDHOLES TO LIGHT POLES, SHALL BE GALVANIZED STEEL. FUSIBLE LINKS SHALL BE INSTALLED FROM HANDHOLES TO LIGHT POLES. #3 AWG WIRES SHALL BE PROTECTED BY #4 AWG FUSIBLE LINKS.

TRAFFIC MANAGEMENT NOTES

- THE CONTRACTOR SHALL MAINTAIN A MINIMUM OF ONE MOVING LANE ALONG ROADWAYS AT ALL TIMES, EXCEPT WHERE STATED ON THE PHASING PLAN, OR IF GIVEN PERMISSION BY THE VAMC AND CONTRACTING OFFICERS REPRESENTATIVE.
- THE CONTRACTOR SHALL PROVIDE ALL SIGNAGE, BARRICADES, CAUTION TAPE, CONES AND BARRELS REQUIRED TO FACILITATE A SAFE LANE OR SIDEWALK CLOSURE.
- PEDESTRIAN ACCESS SHALL BE MAINTAINED AND MANAGED DURING SIDEWALK AND CROSSWALK CLOSURES.
- ACCESS TO ALL ROADWAYS, DRIVEWAYS AND LOADING RAMPS SHALL BE MAINTAINED DAILY AFTER CONSTRUCTION ACTIVITIES HAVE CONCLUDED.
- THE CONTRACTOR SHALL COORDINATE ANY ROADWAY, PARKING LOT, DRIVEWAY AND/OR SIDEWALK CLOSURES WITH THE VAMC PRIOR TO PERFORMING WORK.
- ANY SIGNAGE TO BE REMOVED DUE TO CONSTRUCTION SHALL PLACED IN A TEMPORARY LOCATION AT THE SAME LOCATION IF WARRANTED OR AT RELOCATED LOCATION. DO NOT REMOVE TEMPORARY SIGNAGE UNTIL A REPLACEMENT IS AVAILABLE AND INSTALLED.

LAYOUT AND MATERIALS NOTES

- PRIOR TO START OF CONSTRUCTION, THE CONTRACTOR SHALL VERIFY EXISTING PAVEMENT, WALKWAY AND BUILDING ELEVATIONS AT INTERFACE WITH PROPOSED PAVEMENTS AND WALKWAYS, AS WELL AS EXISTING GROUND ELEVATIONS ADJACENT TO MANHOLES AND DRAINAGE STRUCTURES TO ASSURE PROPER TRANSITIONS BETWEEN EXISTING AND PROPOSED FACILITIES.
- SYMBOLS AND LEGENDS OF PROJECT FEATURES ARE GRAPHIC REPRESENTATIONS AND ARE NOT NECESSARILY SCALED TO THEIR ACTUAL DIMENSIONS OR LOCATIONS ON THE DRAWINGS. THE CONTRACTOR SHALL REFER TO THE DETAIL SHEET DIMENSIONS, MANUFACTURER'S LITERATURE, SHOP DRAWINGS AND FIELD MEASUREMENTS OF SUPPLIED PRODUCTS FOR LAYOUT OF THE PROJECT FEATURES.
- THE CONTRACTOR SHALL NOT RELY SOLELY ON ELECTRONIC VERSIONS OF PLANS, SPECIFICATIONS, AND DATA FILES THAT ARE OBTAINED FROM THE DESIGNERS, BUT SHALL FIELD VERIFY LOCATION OF PROJECT FEATURES.
- PROPRIETARY PRODUCTS OR ASSEMBLIES UTILIZED AS "BASIS OF DESIGN":
 - ON OCCASION, THE DRAWINGS MAY REFER TO A SINGLE PROPRIETARY PRODUCT OR ASSEMBLY. WHEN THIS OCCURS, THE PRODUCT OR ASSEMBLY ILLUSTRATED BY THE DRAWINGS IS THE "BASIS OF DESIGN" PRODUCT OR ASSEMBLY.
 - THE DIMENSIONS, MOUNTING HEIGHTS, CLEARANCES, AND ACCESS REQUIREMENTS OF SPECIFIED PRODUCTS AND ASSEMBLIES OTHER THAN THE "BASIS OF DESIGN" MAY VARY FROM THAT SHOWN BY THE DRAWINGS.
 - THE CONTRACTOR MAY UTILIZE ANY OTHER SPECIFIED PRODUCT OR ASSEMBLY IN LIEU OF THE "BASIS OF DESIGN" PRODUCT OR ASSEMBLY, AS APPROVED BY THE COR. HOWEVER, THE CONTRACTOR IS RESPONSIBLE (AT NO ADDITIONAL EXPENSE TO THE OWNER) FOR ALL COORDINATION AND REVISIONS TO DIMENSIONS AND/OR DETAILS NECESSARY TO ACHIEVE THE SAME FUNCTIONAL AND AESTHETIC DESIGN INTENT AS ILLUSTRATED BY THE "BASIS OF DESIGN" SHOWN BY THE CONTRACT DOCUMENTS.

GENERAL PHASING NOTES

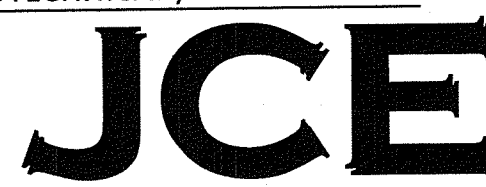
- THE CONTRACTOR SHALL BE AWARE THAT THE CAMPUS IS A FUNCTIONING HOSPITAL AND SHALL WORK WITH THE VA AND COR THROUGHOUT CONSTRUCTION TO ENSURE THAT THE CAMPUS IS ABLE TO FUNCTION AS INTENDED. THE CONTRACTOR MUST NOTIFY THE COR BEFORE CLOSURE OF ANY PARKING LOTS, ROADS, DRIVEWAYS AND SIDEWALKS. FULL CLOSURES OF ROADWAYS AND PARKING LOTS WILL NOT BE PERMITTED, UNLESS OTHERWISE APPROVED BY THE COR.
- CONTRACTOR STAGING FOR ALL PHASES SHALL BE LOCATED WITHIN EACH PHASE, OR AS DIRECTED BY THE COR. THE LOCATION IS SHOWN ON EROSION AND SEDIMENTATION CONTROL PLANS, HOWEVER THE EXACT LOCATION AND EXTENT SHALL BE COORDINATED WITH THE COR PRIOR TO CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL TRAFFIC CONTROL STRUCTURES AND PERSONNEL REQUIRED FOR LANE OR SIDEWALK CLOSURES. LOCATION OF SUCH TRAFFIC CONTROL DEVICES SHALL BE COORDINATED WITH THE COR BEFORE CLOSURE. OVERNIGHT CLOSURES REQUIRE SIGNS WITH FLASHING LIGHTS.
- SUB PHASES WITHIN EACH PHASE SHALL BE APPROVED BY THE COR PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR TYING THE ENDS OF EACH PHASE BACK TO EXISTING CONDITIONS TO ENSURE A SAFE TRANSITION BETWEEN PHASES. BEFORE COMPLETION OF EACH PHASE THE CONTRACTOR SHALL OBTAIN APPROVAL FROM THE COR AND COMPLETE ANY REQUIRED TRANSITION WORK.
- THE CONTRACTOR SHALL PROVIDE THE COR WITH A SITE SAFETY PLAN PRIOR TO CONSTRUCTION.
- CONSTRUCTION FENCING SHALL BE INSTALLED BEFORE THE START OF EACH PHASE.
- THE COR RESERVES THE RIGHT TO MODIFY PHASE BOUNDARIES AS NECESSARY.

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS AS
 SPECIFIED IN THE LETTER OF APPROVAL
 DATED: MAR 28 2024 FILE # 22-0116
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Augusta D. Wenczek

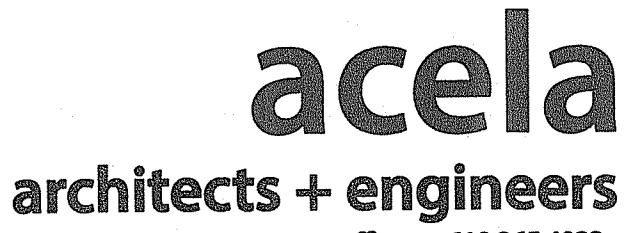
REVISIONS	DATE
REVISED PER RIDEM LETTER DATED 4/5/2024	4/10/2024
REVISED PER RIDEM LETTER DATED 1/12/2023	1/11/2024

CONSULTANT
 GEOTECHNICAL / STORMWATER:



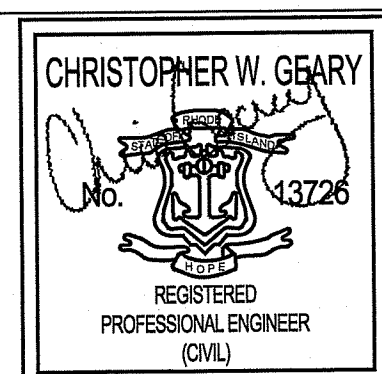
JOE CASALI ENGINEERING, INC.
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Office of Construction and Facilities Management



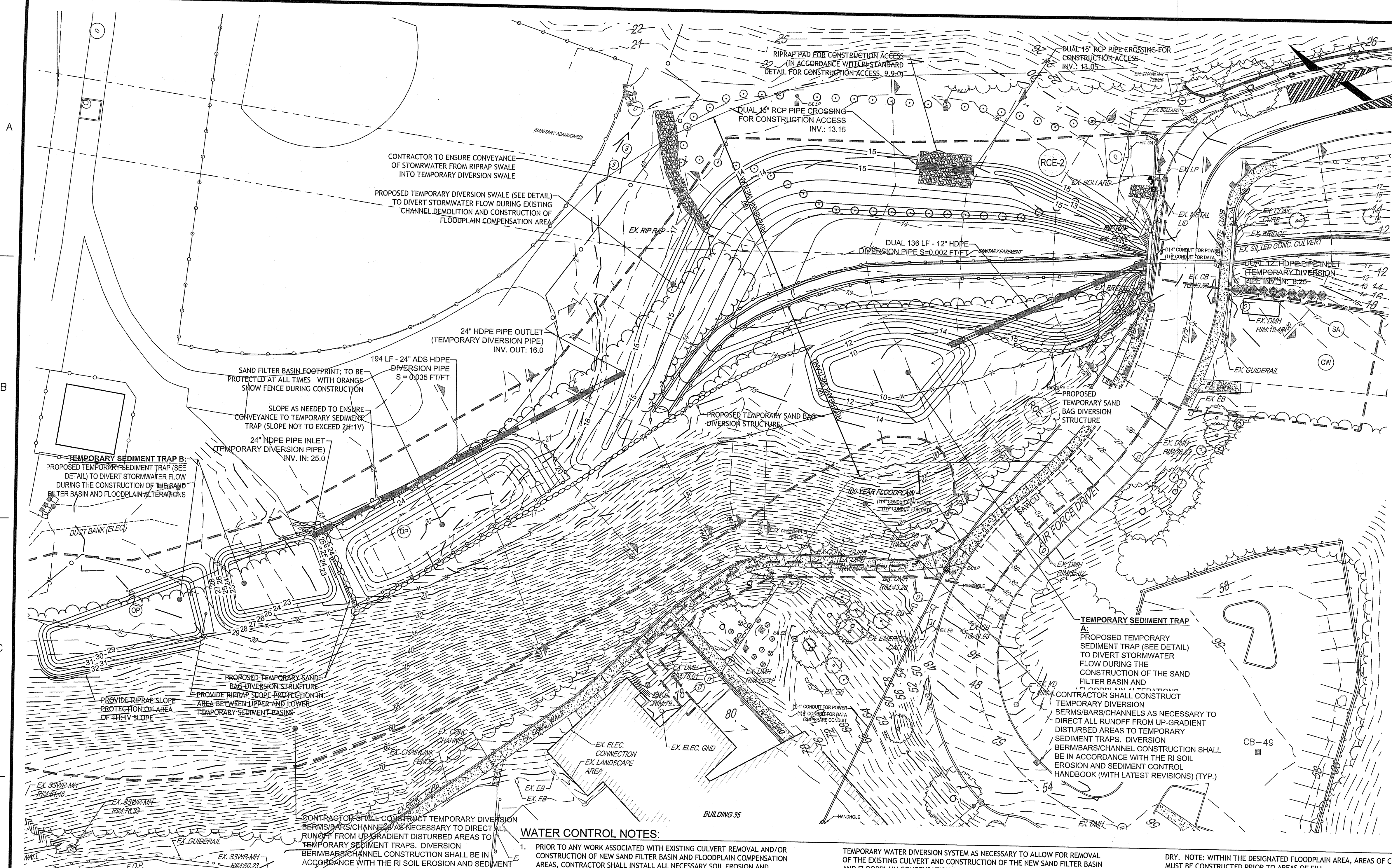
U.S. Department of Veterans Affairs

Drawing Title	General Notes Sheet
Approved:	Project Director

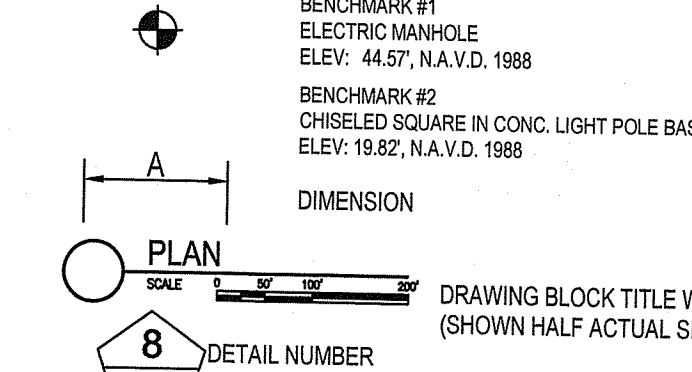
Phase	90% Submission PERMIT SET, NOT FOR CONSTRUCTION
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Project Title	Relocate Armed Forces Boulevard
Location	Providence VAMC Providence, RI
Issue Date	5/1/2023
Checked	McManaman
Drawn	Geary

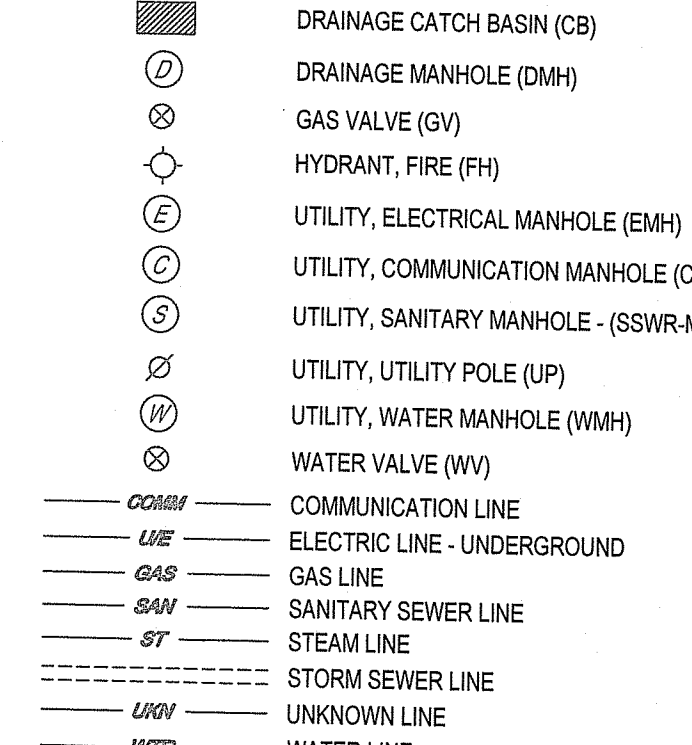
Project Number	650-20-102
Building Number	-
Drawing Number	GN-2
Dwg. 3 of 31	



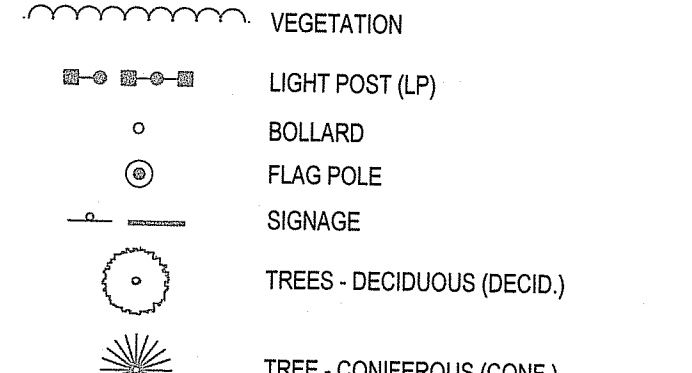
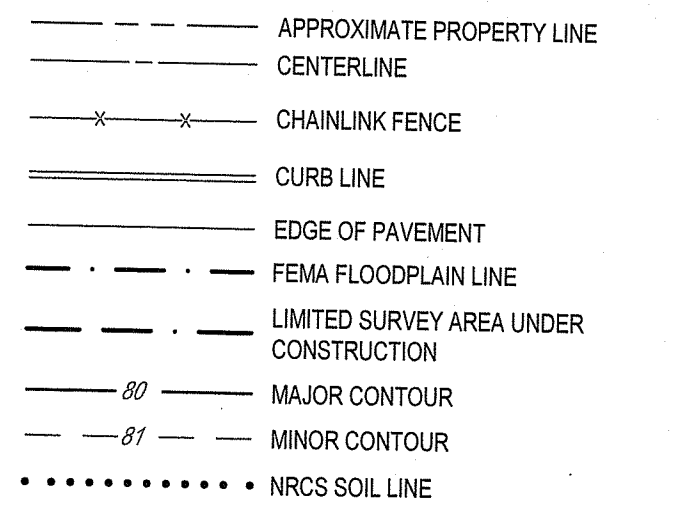
SITE SYMBOLS - GENERAL



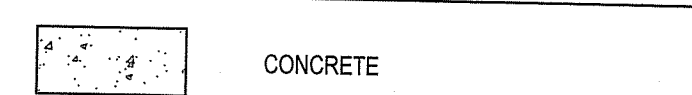
SITE SYMBOLS - UTILITIES



SITE SYMBOLS - EXISTING



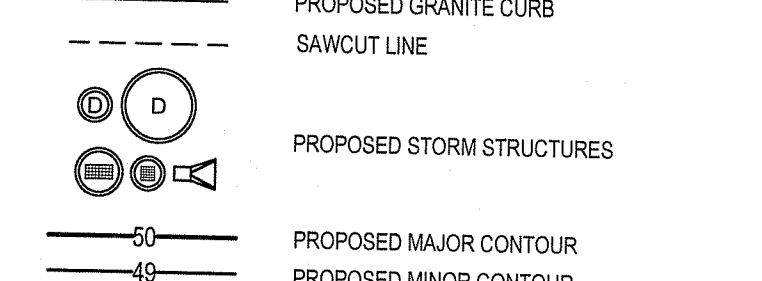
SITE SYMBOLS - CONCRETE/MASONRY



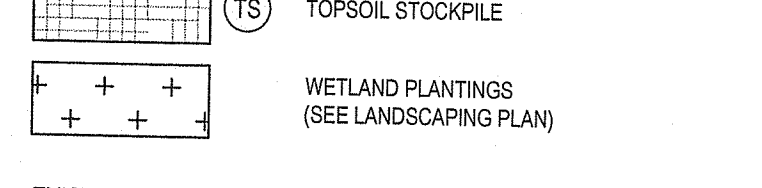
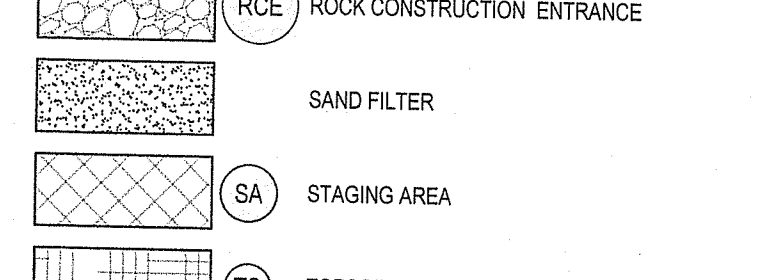
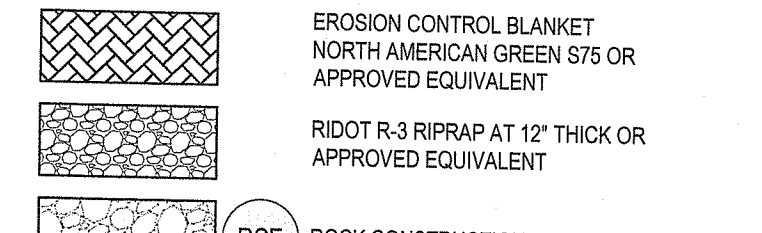
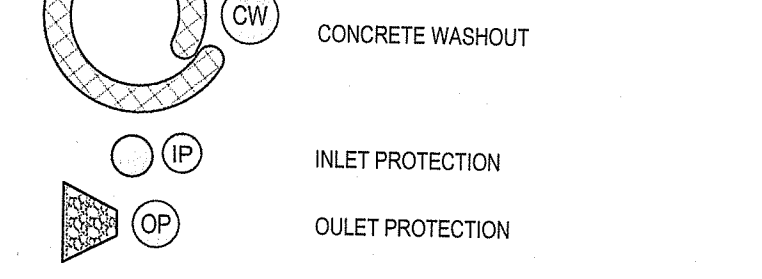
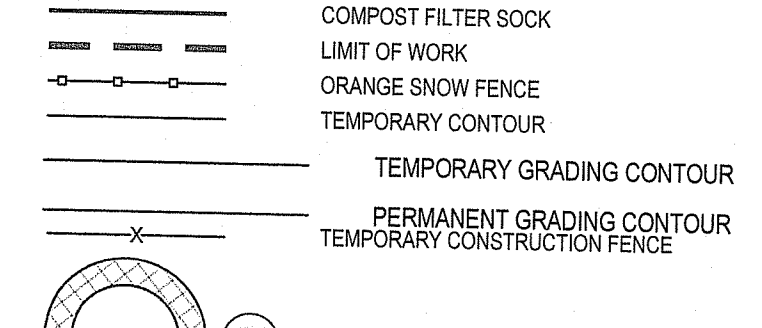
SITE SYMBOLS - ABBREVIATIONS

APPROX BLDG	APPROXIMATELY BUILDING
BW	BOTTOM OF WALL AT FINISHED GRADE
CAM	CAMERA
CB	CATCH BASIN
CO	CLEANOUT
CONC	CONCRETE
CX	CORRUGATED HIGH DENSITY POLYETHYLENE PIPE
DBL	DOUBLE
DIP	DUCTILE IRON PIPE
EB	ELECTRIC BOX
EHH	ELECTRIC HANDHOLE
ELEC	EDGE OF PAVEMENT
EOP	EDGE OF PAVEMENT
FP	FIBER OPTIC
GOVT	GOVERNMENT
GV	GAS VALVE
HDPE	HIGH DENSITY POLY ETHYLENE
INV	STORMWATER PIPE END
JB	JUNCTION BOX
L	LEFT
LF	LINEAR FEET
LP	LIGHT POLE
MH	MANHOLE
OFF	OFFSET
PLCC	PLAIN CEMENT CONCRETE
PVC	POLYVINYL CHLORIDE
RCP	REINFORCED-CONCRETE PIPE
RCCP	REINFORCED CONCRETE CYLINDER PIPE
R	RIGHT
RET	RETAINING
SF	SQUARE FEET
SLCPP	SMOOTH-LINED CORRUGATED POLYETHYLENE PIPE
STA	STATION
TEMP	TERRA COTTA STORM PIPE
TRANS	TEMPORARY TRANSDUCER
TW	TOP OF WALL
TYP	TYPICAL
VCP	VITRIFIED CLAY PIPE
W4"	4" WIDE WHITE PAINT LINE
W4"	4" WIDE YELLOW PAINT LINE

SITE SYMBOL - IMPROVEMENTS



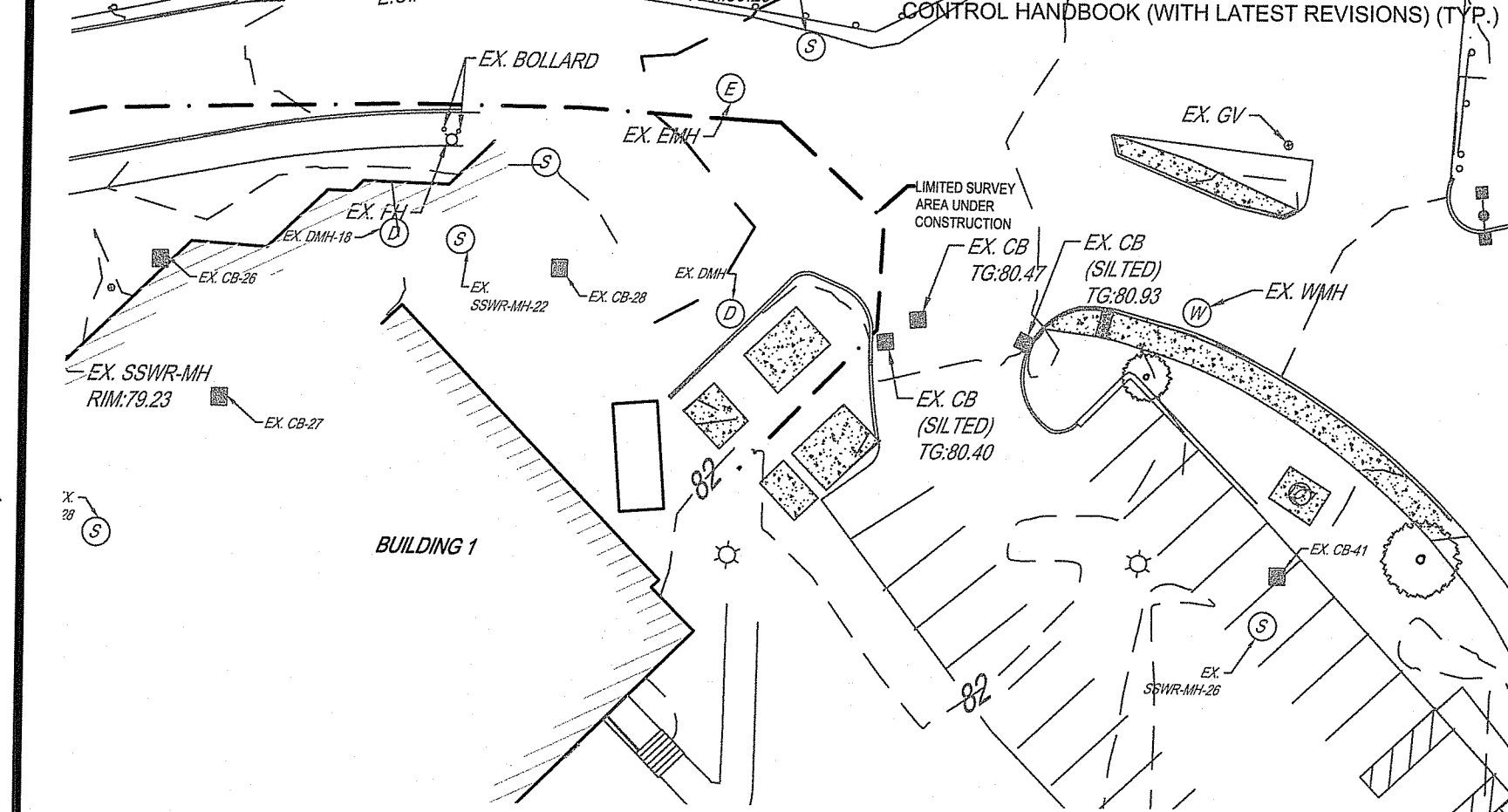
SITE SYMBOL - EROSION



EXISTING FEATURES TO BE DEMOLISHED, SHOWN IN RED
 PROPOSED FEATURES PER PROJECT 650-10-127 TO BE DEMOLISHED AS PART OF THIS PROJECT, SHOWN IN BROWN
 NOTE: VERTICAL TEXT INDICATES PROPOSED FEATURES (PROP.)
 SLANTED TEXT INDICATES EXISTING FEATURES (EX)

WATER CONTROL NOTES:

- PRIOR TO ANY WORK ASSOCIATED WITH EXISTING CULVERT REMOVAL AND/OR CONSTRUCTION OF NEW SAND FILTER BASIN AND FLOODPLAIN COMPENSATION AREAS, CONTRACTOR SHALL INSTALL ALL NECESSARY SOIL EROSION AND SEDIMENT CONTROL MEASURES AS SHOWN AND AS DESCRIBED IN THE SOIL EROSION AND SEDIMENTATION CONTROL PLANS.
 - ALL CONSTRUCTION WORK SHALL BE PERFORMED IN THE DRY. THE CONTRACTOR SHALL PROVIDE, OPERATE AND MAINTAIN ALL PUMPS, DRAINS, WET POINTS, SCREENS, OR OTHER FACILITIES NECESSARY TO CONTROL, COLLECT AND DISPOSE OF ALL SURFACE AND SUBSURFACE WATER ENCOUNTERED IN THE PERFORMANCE OF THE WORK.
 - THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH OSHA REQUIREMENTS INCLUDING SHORING IN TRENCHES.
 - ALL WORK ASSOCIATED WITH THE EXISTING CULVERT REMOVAL AND/OR CONSTRUCTION OF THE FLOODPLAIN COMPENSATION AREA SHALL BE LIMITED TO THE LOW FLOW PERIOD (THE PERIOD FROM JULY 1 TO OCTOBER 31 OF ANY CALENDAR YEAR).
 - THE FINAL DESIGN GENERALLY MIMICS THE EXISTING CONDITION; NO ADVERSE HEADWATER OR TAIL WATER CONDITIONS ARE ANTICIPATED OR PROPOSED.
 - THE DIVERSION IS DESIGNED FOR THE 2-YEAR DESIGN STORM.
 - THE CONTRACTOR SHALL HAVE A BY-PASS PUMP AND ALL NECESSARY EQUIPMENT FOR TRENCH DEWATERING AND BY PASS PUMPING.
 - PROPOSED DIVERSION PLAN PRESENTED ON THESE PLANS IS ONE OPTION. CONTRACTOR MAY PROPOSE ALTERNATIVE OPTIONS THROUGH SHOP DRAWING REVIEW PROCESS, FURTHER DESCRIBED BELOW.
 - PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT A WATER DIVERSION PLAN TO THE VA COR FOR REVIEW AND APPROVAL. THE PLAN SHALL INCLUDE MEASURES TO DESIGN, INSTALL, OPERATE, MAINTAIN, REMOVE AND DISPOSE A TEMPORARY WATER DIVERSION SYSTEM AS NECESSARY TO ALLOW FOR REMOVAL OF THE EXISTING CULVERT AND CONSTRUCTION OF THE NEW SAND FILTER BASIN AND FLOODPLAIN COMPENSATION AREAS IN THE DRY. THE PLAN SHALL ADHERE TO THE FOLLOWING REQUIREMENTS:
 - WATER DIVERSION SYSTEM MAY BE EITHER A GRAVITY SYSTEM OR A PUMPED SYSTEM. IF A PUMPED SYSTEM IS SPECIFIED, ONCE A PUMPED DIVERSION BEGINS, THE PUMPS MUST RUN CONTINUOUSLY UNTIL IT IS NO LONGER NECESSARY TO BYPASS FLOWS. BACK-UP PUMPS MUST BE MADE AVAILABLE ON SITE AND 24-HOUR MONITORING OF THE SYSTEM WILL BE REQUIRED. SCOUR PROTECTION MUST BE PROVIDED AT THE OUTLET OF ALL TEMPORARY WATER DIVERSION SYSTEMS.
 - CONTRACTOR SHALL ARRANGE A MEETING WITH THE VA COR FOR THE IMPLEMENTATION OF THE TEMPORARY DIVERSION SYSTEM A MINIMUM OF 7 DAYS PRIOR TO IMPLEMENTATION.
 - THE PLAN SHALL INCLUDE DRAWINGS SHOWING THE LOCATION OF THE TEMPORARY WATER DIVERSION SYSTEM, ACCESS ROUTES AND EQUIPMENT TO BE USED. SCHEDULE AND SEQUENCE OF WORK SHALL ALSO BE PROVIDED. PLAN SHALL ADDRESS DEWATERING OF WORK AREAS, BYPASS PIPING, CHANNEL LOCATIONS, RESTORATION AND STABILIZATION OF THE TEMPORARY AND PERMANENT SLOPES.
 - CALCULATIONS SHALL BE PROVIDED, STAMPED BY A RI REGISTERED PROFESSIONAL ENGINEER, DEMONSTRATING THAT THE DIVERSION SYSTEM CAN ADEQUATELY CONVEY THE PEAK FLOWS ANTICIPATED.
 - INSPECTION AND MAINTENANCE SCHEDULE SHALL BE PROVIDED. CONTRACTOR SHALL KEEP RECORDS OF ALL INSPECTION AND MAINTENANCE ACTIVITIES.
 - THE GENERAL SEQUENCE OF CONSTRUCTION SHALL ADHERE TO THE FOLLOWING:
 - INSTALL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES.
 - IMPLEMENT TEMPORARY WATER DIVERSION SYSTEM(S).
 - REMOVE AND DISPOSE OF EXISTING CULVERT OFF-SITE.
 - IMPLEMENT DEWATERING ACTIVITIES AS NEEDED TO CONSTRUCT FLOODPLAIN COMPENSATION AREA AND SAND FILTER BASIN AREA IN THE DRY. NOTE: WITHIN THE DESIGNATED FLOODPLAIN AREA, AREAS OF CUT MUST BE CONSTRUCTED PRIOR TO AREAS OF FILL.
 - CONSTRUCT RETAINING WALLS ADJACENT TO FLOODPLAIN COMPENSATION AREA.
 - STABILIZE ALL DISTURBED AREAS.
 - REMOVE TEMPORARY WATER DIVERSION MEASURES; RESUME STORMWATER FLOW TO NATURAL CONDITIONS.
 - RESTORE AND STABILIZE AREAS DISTURBED BY TEMPORARY DIVERSION MEASURES.
 - STABILIZE ALL SLOPES.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT A DEWATERING PLAN TO THE VA COR FOR REVIEW AND APPROVAL. THE DEWATERING PLAN MAY BE MADE A PART OF THE TEMPORARY WATER DIVERSION PLAN. ALL DEWATERING SHALL BE IN ACCORDANCE WITH SECTION 203 OF THE RHODE ISLAND DEPARTMENT OF TRANSPORTATION (RIDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. CONTRACTOR WILL BE RESPONSIBLE FOR DESIGNING, FURNISHING, INSTALLING, OPERATING, MAINTAINING, AND SUBSEQUENTLY REMOVING TEMPORARY DEWATERING SYSTEM. REFER TO ADDITIONAL DEWATERING NOTES PROVIDED ON THIS SHEET.
 - DEWATERING SYSTEM SHALL BE DESIGNED TO LOWER THE GROUNDWATER LEVEL TO A MINIMUM OF TWO (2) FEET BELOW THE MAXIMUM EXCAVATION LEVEL.
 - DEWATERING DESIGN SHALL INCLUDE PROVISIONS FOR DIVERSION OF SURFACE WATER AWAY FROM EXCAVATIONS AND OTHER WORK AREAS, CONTROL AND REMOVAL OF PRECIPITATION FROM EXCAVATION AREAS, PREVENTION OF DISTURBANCE OF ADJACENT STRUCTURES DUE TO DEWATERING AND SEDIMENTATION CONTROLS OF DEWATERING EFFLUENT. CONTRACTOR SHALL SUBMIT THE FOLLOWING AS PART OF DEWATERING PLAN: QUALIFICATIONS OF DEWATERING EQUIPMENT, SHOP DRAWINGS AND DESIGN CALCULATIONS (STAMPED/CERTIFIED BY A RI REGISTERED PROFESSIONAL ENGINEER) AND PROPOSED INSTALLATION AND ABANDONMENT PROCEDURES.
 - CONTRACTOR SHALL SUBMIT THE FOLLOWING AS PART OF DEWATERING PLAN: QUALIFICATIONS OF DEWATERING EQUIPMENT, SHOP DRAWINGS AND DESIGN CALCULATIONS (STAMPED/CERTIFIED BY A RI REGISTERED PROFESSIONAL ENGINEER) AND PROPOSED INSTALLATION AND ABANDONMENT PROCEDURES.



REVISED PER RIDEM LETTER DATED 4/5/2024	4/10/2024
REVISED PER RIDEM LETTER DATED 1/12/2023	1/11/2024
Revisions:	Date:

CONSULTANT
 GEOTECHNICAL / STORMWATER:
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Office of Construction and Facilities Management
 VA U.S. Department of Veterans Affairs

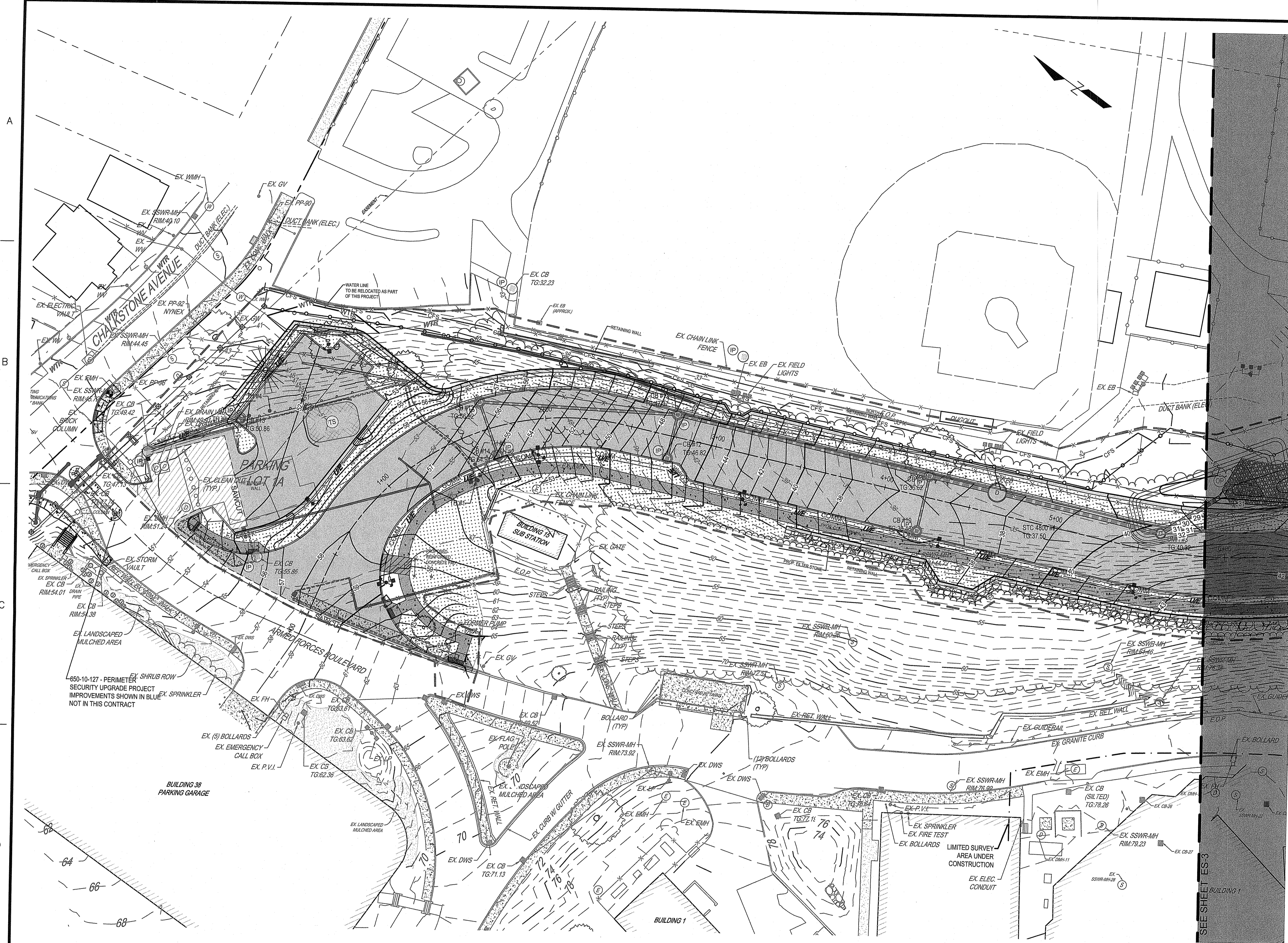
Drawing Title
 Water Control Plan

Approved: Project Director

Phase 90% Submission PERMIT SET, NOT FOR CONSTRUCTION	Project Title Relocate Armed Forces Boulevard	Project Number 650-20-102
Location Providence VAMC	Providence, RI	Building Number
Issue Date 5/1/2023	Checked McManaman	Drawn Geary
Drawing Number ES-1	Dwg. 4 of 31	

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL
 DATED: MAR 26 2025 FILE #: 22-0416
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

811
 Know what's below.
 Call before you dig.



SITE SYMBOLS - GENERAL

- BENCHMARK #1
ELECTRIC MANHOLE
ELEV: 44.57, N.A.V.D. 1988
- BENCHMARK #2
CHISELED SQUARE IN CONC. LIGHT POLE BASE
ELEV: 19.82, N.A.V.D. 1988
- DIMENSION
- PLAN SCALE
- 8 DETAIL NUMBER
DETAIL SHEET

SITE SYMBOLS - UTILITIES

- DRAINAGE CATCH BASIN (CB)
- DRAINAGE MANHOLE (DMH)
- GAS VALVE (GV)
- HYDRANT, FIRE (FH)
- UTILITY, ELECTRICAL MANHOLE (EMH)
- UTILITY, COMMUNICATION MANHOLE (CMH)
- UTILITY, SANITARY MANHOLE - (SSWR-MH)
- UTILITY, UTILITY POLE (UP)
- UTILITY, WATER MANHOLE (WMH)
- WATER VALVE (WV)
- COMMUNICATION LINE
- ELECTRIC LINE - UNDERGROUND
- GAS LINE
- SANITARY SEWER LINE
- STEAM LINE
- STORM SEWER LINE
- UNKNOWN LINE
- WATER LINE

SITE SYMBOLS - EXISTING

- APPROXIMATE PROPERTY LINE
- CENTERLINE
- CHAINLINK FENCE
- CURB LINE
- EDGE OF PAVEMENT
- FEMA FLOODPLAIN LINE
- LIMITED SURVEY AREA UNDER CONSTRUCTION
- MAJOR CONTOUR
- MINOR CONTOUR
- NRCS SOIL LINE
- VEGETATION
- LIGHT POST (LP)
- BOLLARD
- FLAG POLE
- SIGNAGE
- TREES - DECIDUOUS (DECID.)
- TREE - CONIFEROUS (CONF.)

SITE SYMBOLS - CONCRETE/MASONRY

- CONCRETE

SITE SYMBOLS - ABBREVIATIONS

- | | |
|----------|---|
| APPROX | APPROXIMATELY |
| BLDG | BUILDING |
| BW | BOTTOM OF WALL AT FINISHED GRADE |
| CAM | CAMERA |
| CB | CATCH BASIN |
| CO | CLEANOUT |
| CONC | CONCRETE |
| CPP | CORRUGATED HIGH DENSITY POLYETHYLENE PIPE |
| CALL BOX | CALL BOX |
| DBL | DOUBLE |
| DIP | DUCTILE IRON PIPE |
| EB | ELECTRIC BOX |
| EHH | ELECTRIC HANDHOLE |
| ELEC | ELECTRIC |
| EOP | EDGE OF PAVEMENT |
| FO | FIBER OPTIC |
| FP | FLAG POLE |
| GOVT | GOVERNMENT |
| GV | GAS VALVE |
| HDPE | HIGH DENSITY POLY ETHYLENE |
| HW | STORMWATER PIPE END |
| JB | JUNCTION BOX |
| L | LEFT |
| LF | LINEAR FEET |
| LP | LIGHT POLE |
| MH | MANHOLE |
| OFF | OFFSET |
| PLCC | PLAIN CEMENT CONCRETE |
| PVC | POLYVINYL CHLORIDE |
| RCP | REINFORCED-CONCRETE PIPE |
| RCOP | REINFORCED CONCRETE CYLINDER PIPE |
| R | RIGHT |
| RET | RETAINING |
| SF | SQUARE FEET |
| SLCPP | SMOOTH-LINED CORRUGATED POLYETHYLENE PIPE |
| STA | STATION |
| TC | TERRA COTTA STORM PIPE |
| TEMP | TEMPORARY |
| TRANS | TRANSITION |
| TW | TOP OF WALL |
| TYP | TYPICAL |
| VCP | VITRIFIED CLAY PIPE |
| W4" | 4" WIDE WHITE PAINT LINE |
| Y4" | 4" WIDE YELLOW PAINT LINE |

SITE SYMBOL - IMPROVEMENTS

- PROPOSED GRANITE CURB
- SAWCUT LINE
- PROPOSED STORM STRUCTURES
- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR

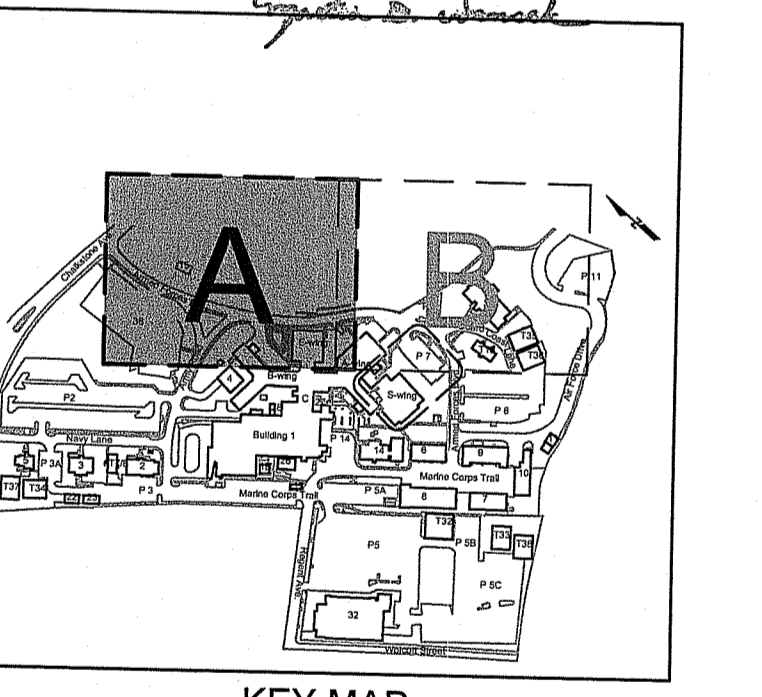
SITE SYMBOL - EROSION

- COMPOST FILTER SOCK
- LIMIT OF WORK
- ORANGE SNOW FENCE
- TEMPORARY CONTOUR
- TEMPORARY CONSTRUCTION FENCE
- CONCRETE WASHOUT
- INLET PROTECTION
- OUTLET PROTECTION
- EROSION CONTROL BLANKET
- NORTH AMERICAN GREEN S75 OR APPROVED EQUIVALENT
- RIOT R-3 RIPRAP AT 12" THICK OR APPROVED EQUIVALENT
- ROCK CONSTRUCTION ENTRANCE
- SAND FILTER
- STAGING AREA
- TOPSOIL STOCKPILE
- WETLAND PLANTINGS (SEE LANDSCAPING PLAN)

EXISTING FEATURES TO BE DEMOLISHED, SHOWN IN RED
 PROPOSED FEATURES PER PROJECT 650-10-127 TO BE DEMOLISHED AS PART OF THIS PROJECT, SHOWN IN BROWN

NOTE:
 VERTICAL TEXT INDICATES EXISTING FEATURES (PROP.)
 SLANTED TEXT INDICATES EXISTING FEATURES (EX)

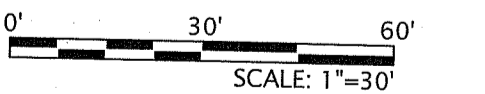
RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL
 DATED: 2/28/2025 FILE #: 22-0116
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE



KEY MAP
 1"=500'



Know what's below.
 Call before you dig.



REVISED PER RIDEM LETTER DATED 4/5/2024	4/10/2024
REVISED PER RIDEM LETTER DATED 1/12/2023	1/11/2024
Revisions:	Date:

CONSULTANT
 GEOTECHNICAL / STORMWATER:

JCE
 JOE CASALI ENGINEERING, INC.
 CIVIL - SITE DEVELOPMENT - TRANSPORTATION
 DRAINAGE - WETLANDS - ISDS - TRAFFIC - FLOODPLAIN
 300 POST ROAD, WARWICK, RI 02889
 (401) 944-1300 (401) 944-1313 FAX WWW.JOECASALI.COM

ARCHITECT/ENGINEER OF RECORD

acela
 architects + engineers
 acela architects + engineers, pc office: 610.365.4023
 2633 Moravian Ave. website: www.acela-ae.com
 Allentown, PA 18103 email: info@acela-ae.com

CHRISTOPHER W. GEARY
 No. 43726
 REGISTERED PROFESSIONAL ENGINEER (CIVIL)

Office of Construction and Facilities Management
 VA U.S. Department of Veterans Affairs

Drawing Title
 Erosion & Sedimentation Control Plan 'A'

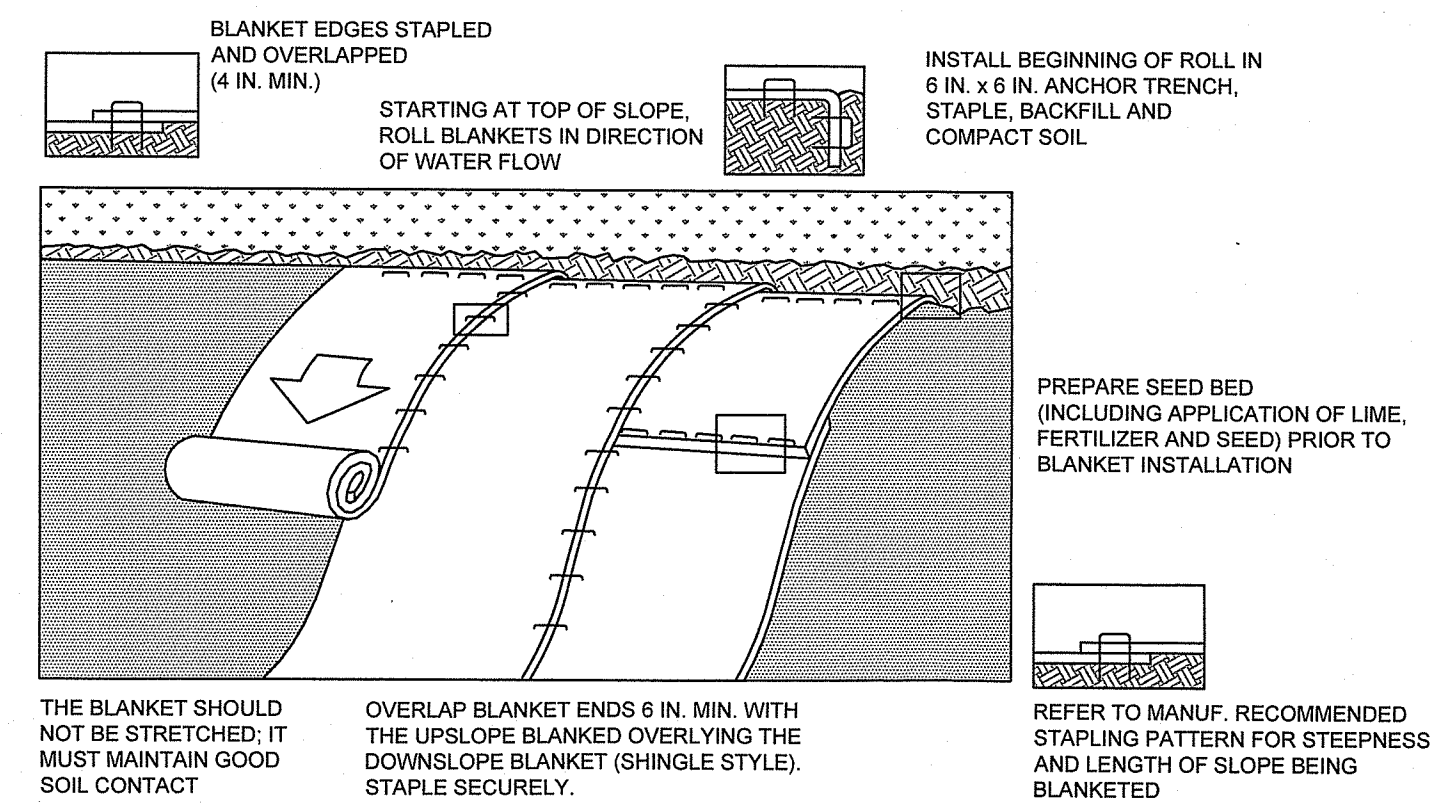
Phase
 90% Submission
 PERMIT SET,
 NOT FOR CONSTRUCTION

Approved: Project Director

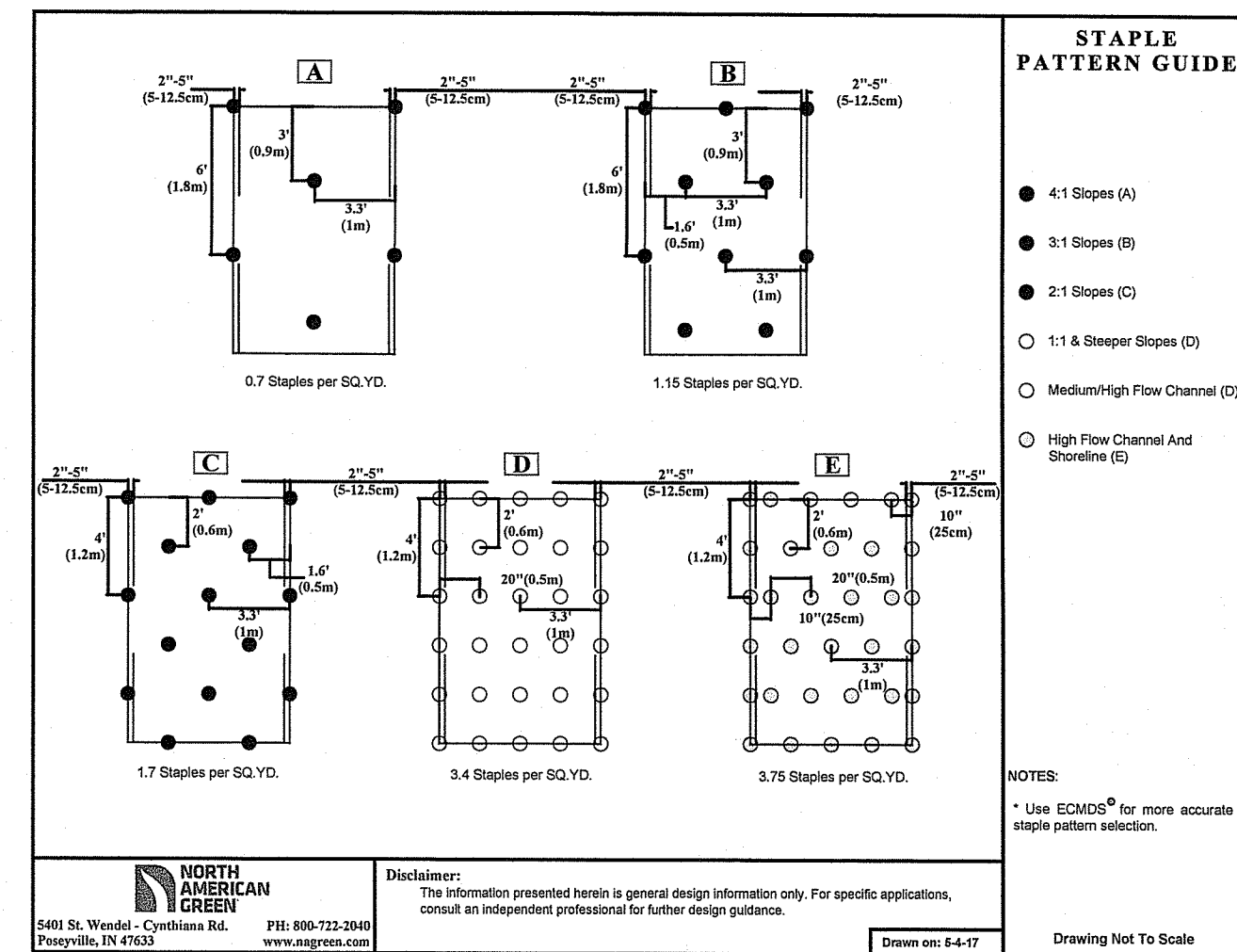
Project Title Relocate Armed Forces Boulevard	Project Number 650-20-102
Location Providence VAMC	Drawing Number ES-2
Issue Date 5/1/2023	Checked McManaman
Drawn Geary	Dwg. 5 of 31

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS AS
 SPECIFIED IN THE LETTER OF APPROVAL
 DATED: MAR 26 2025 FILE #: 22-0116
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Christopher D. Wenzel



NOTES:
 SEED AND SOIL AMENDMENTS SHALL BE APPLIED ACCORDING TO THE RATES IN THE PLAN DRAWINGS PRIOR TO INSTALLING THE BLANKET.
 PROVIDE ANCHOR TRENCH AT TOE OF SLOPE IN SIMILAR FASHION AS AT TOP OF SLOPE.
 SLOPE SURFACE SHALL BE FREE OF ROCKS, CLODS, STICKS, AND GRASS.
 BLANKET SHALL HAVE GOOD CONTINUOUS CONTACT WITH UNDERLYING SOIL THROUGHOUT ENTIRE LENGTH. LAY BLANKET LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH SOIL. DO NOT STRETCH BLANKET.
 THE BLANKET SHALL BE STAPLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
 BLANKETED AREAS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT UNTIL PERENNIAL VEGETATION IS ESTABLISHED TO A MINIMUM UNIFORM 70% COVERAGE THROUGHOUT THE BLANKETED AREA. DAMAGED OR DISPLACED BLANKETS SHALL BE RESTORED OR REPLACED WITHIN 4 CALENDAR DAYS.



EROSION CONTROL BLANKET INSTALLATION
 N.T.S.

NORTH AMERICAN GREEN
 5401 St. Wendel - Coonlissa Rd. - Reynolds, VA 24080
 Phone: 800-725-2848
 Website: www.nagreen.com
 Download: E-4-17
 Drawing Not To Scale

Revisions:	Date:
REVISED PER RIDEM LETTER DATED 4/5/2024	4/10/2024
REVISED PER RIDEM LETTER DATED 1/12/2023	1/11/2024

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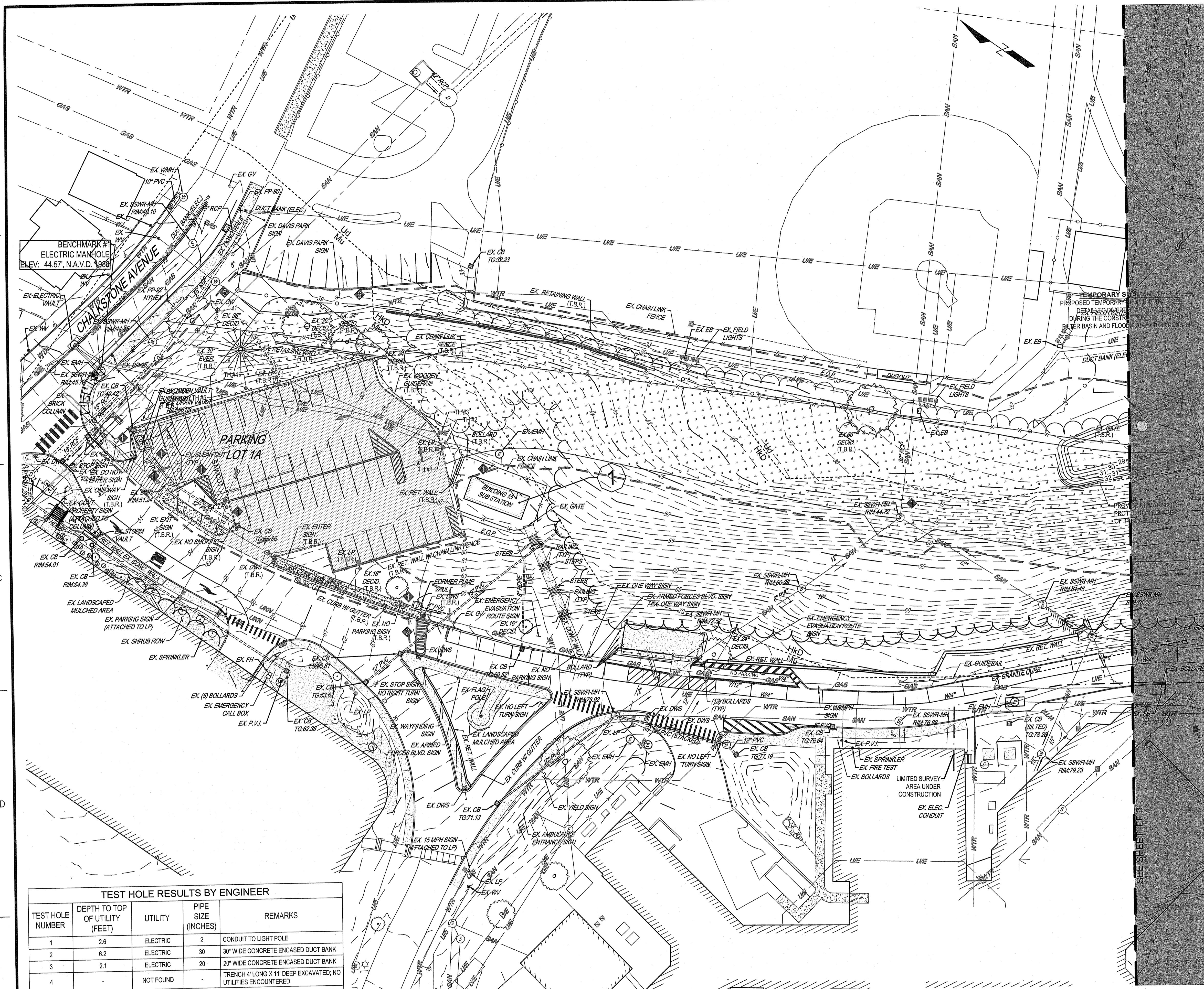
Office of Construction and Facilities Management
VA U.S. Department of Veterans Affairs

Drawing Title
 Soil & Erosion Pollution Control Details
 Approved: Project Director

Phase
 90% Submission PERMIT SET, NOT FOR CONSTRUCTION

Project Title
 Relocate Armed Forces Boulevard
 Location
 Providence VAMC Providence, RI
 Issue Date
 5/1/2023
 Checked
 McManaman
 Drawn
 Geary

Project Number
 650-20-102
 Building Number
 -
 Drawing Number
ESD-3
 Dwg. 9 of 31



SITE SYMBOLS - GENERAL

- BENCHMARK #1 ELECTRIC MANHOLE ELEV. 44.57, N.A.V.D. 1988
- BENCHMARK #2 CHISELED SQUARE IN CONC. LIGHT POLE BASE ELEV. 19.82, N.A.V.D. 1988
- DIMENSION
- PLAN SCALE
- 8 DETAIL NUMBER
- 88888 DETAIL SHEET

SITE SYMBOLS - UTILITIES

- DRAINAGE CATCH BASIN (CB)
- DRAINAGE MANHOLE (DMH)
- GAS VALVE (GV)
- HYDRANT, FIRE (FH)
- UTILITY, ELECTRICAL MANHOLE (EMH)
- UTILITY, COMMUNICATION MANHOLE (CMH)
- UTILITY, SANITARY MANHOLE - (SSWR-MH)
- UTILITY, UTILITY POLE (UP)
- UTILITY, WATER MANHOLE (WMH)
- UTILITY, WATER VALVE (WV)
- COMMUNICATION LINE
- ELECTRIC LINE - UNDERGROUND
- GAS LINE
- SANITARY SEWER LINE
- STEAM LINE
- STORM SEWER LINE
- UNKNOWN LINE
- WATER LINE

SITE SYMBOLS - EXISTING

- APPROXIMATE PROPERTY LINE
- CENTERLINE
- CHAINLINK FENCE
- CURB LINE
- EDGE OF PAVEMENT
- FEMA FLOODPLAIN LINE
- LIMITED SURVEY AREA UNDER CONSTRUCTION
- MAJOR CONTOUR
- MINOR CONTOUR
- NRCS SOIL LINE
- VEGETATION
- LIGHT POST (LP)
- BOLLARD
- FLAG POLE
- SIGNAGE
- TREES - DECIDUOUS (DECID.)
- TREE - CONIFEROUS (CONF.)

SITE SYMBOLS - CONCRETE/MASONRY

- CONCRETE

SITE SYMBOLS - ABBREVIATIONS

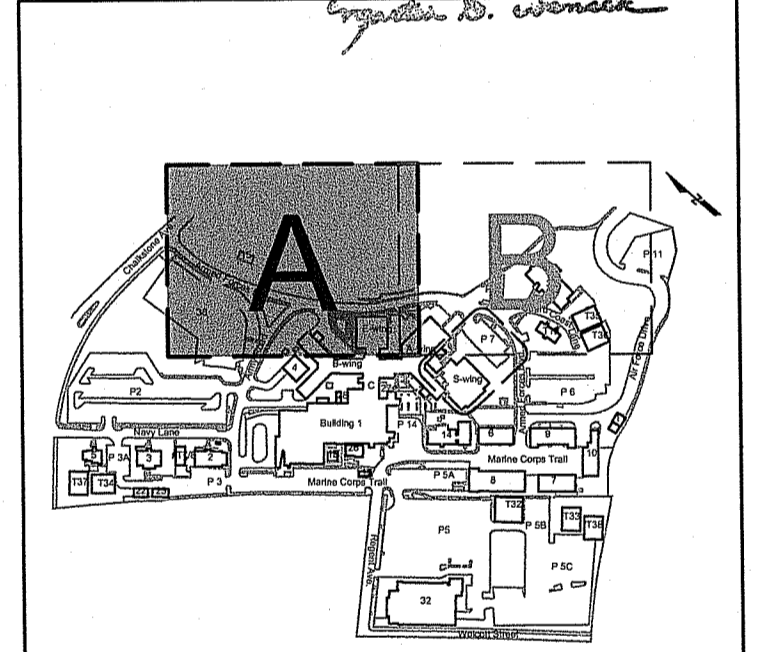
- APPROX BLDG - APPROXIMATELY BUILDING
- BW - BOTTOM OF WALL AT FINISHED GRADE
- CAM - CAMERA
- CB - CATCH BASIN
- CO - CLEANOUT
- COHC - CORRUGATED HIGH DENSITY POLYETHYLENE PIPE
- CP - CALL BOX
- CX - DOUBLE
- DBL - DUCTILE IRON PIPE
- DIP - ELECTRIC BOX
- EB - ELECTRIC HANDHOLE
- ELEC - ELECTRIC
- EOP - EDGE OF PAVEMENT
- FO - FIBER OPTIC
- FP - FLAG POLE
- GOVT - GOVERNMENT
- GV - GAS VALVE
- HDPE - HIGH DENSITY POLY ETHYLENE
- HW - STORMWATER PIPE END
- JB - JUNCTION BOX
- L - LEFT
- LF - LINEAR FEET
- LP - LIGHT POLE
- MH - MANHOLE
- OFF - OFFSET
- PLCC - PLAIN CEMENT CONCRETE
- PVC - POLYVINYL CHLORIDE
- RCP - REINFORCED-CONCRETE PIPE
- RCOP - REINFORCED CONCRETE CYLINDER PIPE
- R - RIGHT
- RET - RETAINING
- SF - SQUARE FEET
- SLCPP - SMOOTH-LINED CORRUGATED POLYETHYLENE PIPE
- STA - STATION
- TC - TERRA COTTA STORM PIPE
- TEMP - TEMPORARY
- TRANS - TRANSITION
- TW - TOP OF WALL
- TYP - TYPICAL
- VCP - VITRIFIED CLAY PIPE
- W4" - 4" WIDE WHITE PAINT LINE
- Y4" - 4" WIDE YELLOW PAINT LINE

SITE SYMBOL - DEMOLITION

- EXISTING CURBING TO BE REMOVED
- PAVEMENT SAWCUT
- EXISTING CONCRETE TO BE REMOVED
- EXISTING FULL DEPTH PAVEMENT TO BE REMOVED
- EXISTING PAVEMENT TO BE MILLED
- EXISTING LAWN WOODED AREA TO BE REMOVED FOR NEW CONSTRUCTION
- EXISTING RIP-RAP TO BE REMOVED
- EXISTING WATER LINE TO BE RELOCATED
- EXISTING TREE LINE TO BE REMOVED
- EXISTING CHAINLINK FENCE TO BE REMOVED
- PROPOSED FENCE LINE PER PROJECT 650-10-127 TO BE DEMOLISHED AS PART OF THIS PROJECT
- PROPOSED WALL PER PROJECT 650-10-127 TO BE DEMOLISHED AS PART OF THIS PROJECT
- DECIDUOUS TREE TO BE REMOVED
- EVERGREEN TREE TO BE REMOVED
- SIGN TO BE RELOCATED
- TEST HOLE # TO BE REMOVED
- (T.B.R.) TO BE RELOCATED
- (REL.) TO BE REPLACED
- VALVES, MANHOLE LIDS, INLET TOPS AND METAL LIDS TO BE ADJUSTED TO FLUSH WITH FINISHED GRADE AS REQUIRED.
- PAINT TO BE ERADICATED
- DEMO CONCRETE BASE AND POST, REMOVE AND STORE
- SIGNAGE FOR RELOCATION
- REMOVE SIDEWALK TO NEAREST JOINT
- REMOVE PERIMETER FENCE TO NEAREST POST
- THE CONTRACTOR SHALL COORDINATE WATER RELOCATION WITH PROVIDENCE PARKS AND RECREATION DEPARTMENT

NOTE: VERTICAL TEXT INDICATES PROPOSED FEATURES (PROP.)
SLANTED TEXT INDICATES EXISTING FEATURES (EX.)

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL
DATED: MAR 26 2025 FILE #: 22-016
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GENERAL NOTES:
1 FULL ACCESS MUST BE PROVIDED & MAINTAINED TO BUILDING 15 SUB STATION DURING CONSTRUCTION.



0' 30' 60'
SCALE: 1"=30'

TEST HOLE RESULTS BY ENGINEER

TEST HOLE NUMBER	DEPTH TO TOP OF UTILITY (FEET)	UTILITY	PIPE SIZE (INCHES)	REMARKS
1	2.6	ELECTRIC	2	CONDUIT TO LIGHT POLE
2	6.2	ELECTRIC	30	30" WIDE CONCRETE ENCASED DUCT BANK
3	2.1	ELECTRIC	20	20" WIDE CONCRETE ENCASED DUCT BANK
4	-	NOT FOUND	-	TRENCH 4' LONG X 11" DEEP EXCAVATED; NO UTILITIES ENCOUNTERED
5	5.1	ELECTRIC	20	20" WIDE CONCRETE ENCASED DUCT BANK

Revisions:

Date	Description
4/10/2024	REVISED PER RIDEM LETTER DATED 4/5/2024
1/11/2024	REVISED PER RIDEM LETTER DATED 1/11/2023

CONSULTANT
GEOTECHNICAL / STORMWATER:

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JOE CASALI ENGINEERING, INC.
CIVIL, SITE DEVELOPMENT, TRANSPORTATION, DRAINAGE, WETLANDS, ISDS, TRAFFIC, FLOODPLAIN
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CHRISTOPHER W. GEARY
REGISTERED PROFESSIONAL ENGINEER (CIVIL)

Office of Construction and Facilities Management

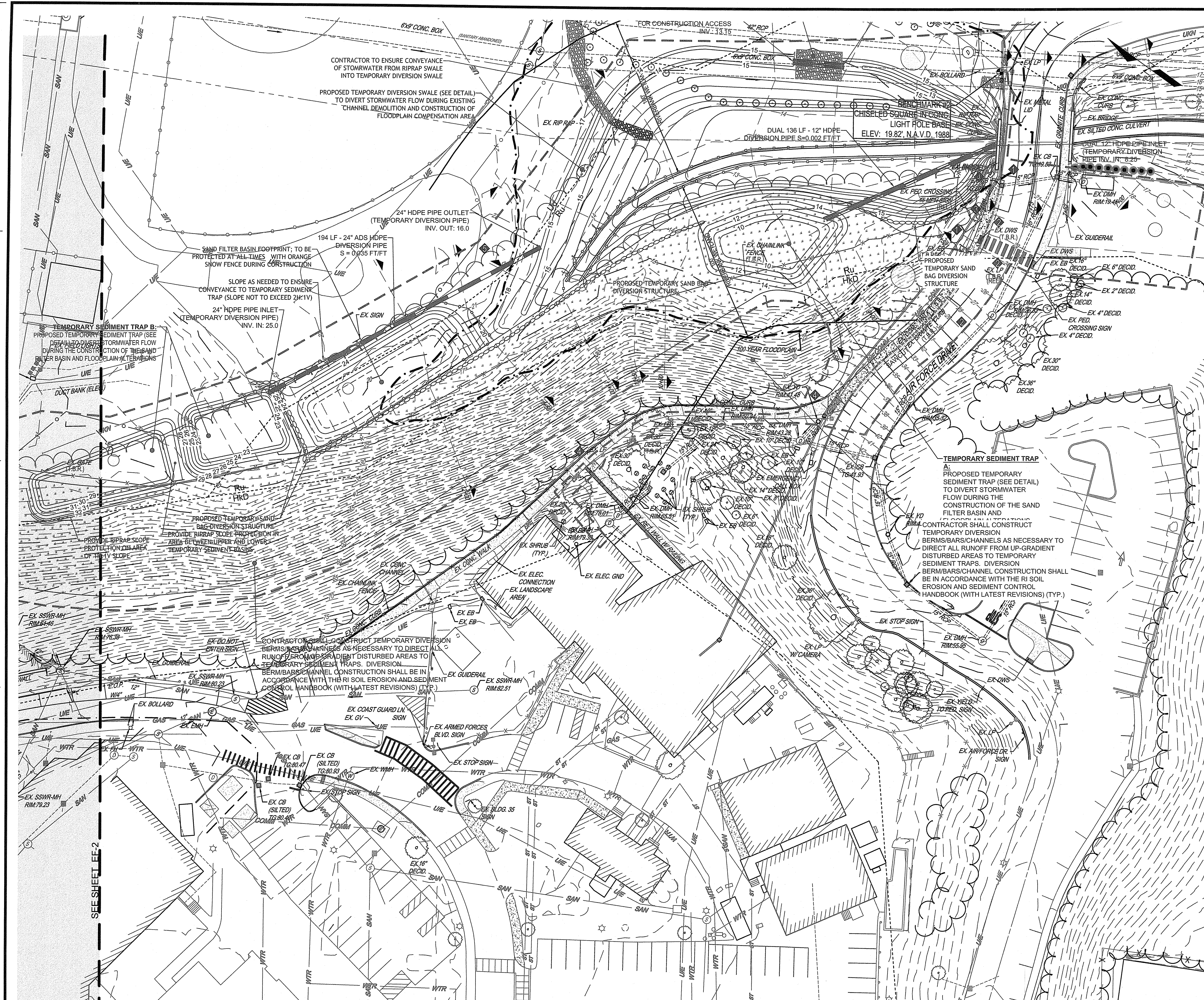
VA U.S. Department of Veterans Affairs

Drawing Title: Existing Features And Demolition Plan 'A'

Approved: Project Director

Phase: 90% Submission
PERMIT SET,
NOT FOR CONSTRUCTION

Project Title: Relocate Armed Forces BoulevardProject Number: 650-20-102
Building Number: -
Location: Providence VAMC Providence, RI
Drawing Number: EF-2
Issue Date: 5/1/2023
Checked: McManaman
Drawn: Geary
Dwg. 11 of 31



SITE SYMBOLS - GENERAL

- BENCHMARK #1
ELECTRIC MANHOLE
ELEV. 44.57, N.A.V.D. 1988
- BENCHMARK #2
CHISELED SQUARE IN CONC. LIGHT POLE BASE
ELEV. 19.82, N.A.V.D. 1988
- PLAN SCALE: 1"=30'
- DIMENSION
- 8 DETAIL NUMBER
- DETAIL SHEET

SITE SYMBOLS - UTILITIES

- DRAINAGE CATCH BASIN (CB)
- DRAINAGE MANHOLE (DMH)
- GAS VALVE (GV)
- HYDRANT, FIRE (FH)
- UTILITY, ELECTRICAL MANHOLE (EMH)
- UTILITY, COMMUNICATION MANHOLE (CMH)
- UTILITY, SANITARY MANHOLE - (SSWR-MH)
- UTILITY, UTILITY POLE (UP)
- UTILITY, WATER MANHOLE (WMH)
- WATER VALVE (WV)
- COMMUNICATION LINE
- ELECTRIC LINE - UNDERGROUND
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- STEAM LINE
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- WATER LINE

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- CENTERLINE
- CHAINLINK FENCE
- CURB LINE
- EDGE OF PAVEMENT
- FEMA FLOODPLAIN LINE
- LIMITED SURVEY AREA UNDER CONSTRUCTION
- MAJOR CONTOUR
- MINOR CONTOUR
- NRCS SOIL LINE
- VEGETATION
- LIGHT POST (LP)
- BOLLARD
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- SIGNAGE
- TREES - DECIDUOUS (DECID.)
- TREE - CONIFEROUS (CONF.)

SITE SYMBOLS - CONCRETE/MASONRY

- CONCRETE

SITE SYMBOLS - ABBREVIATIONS

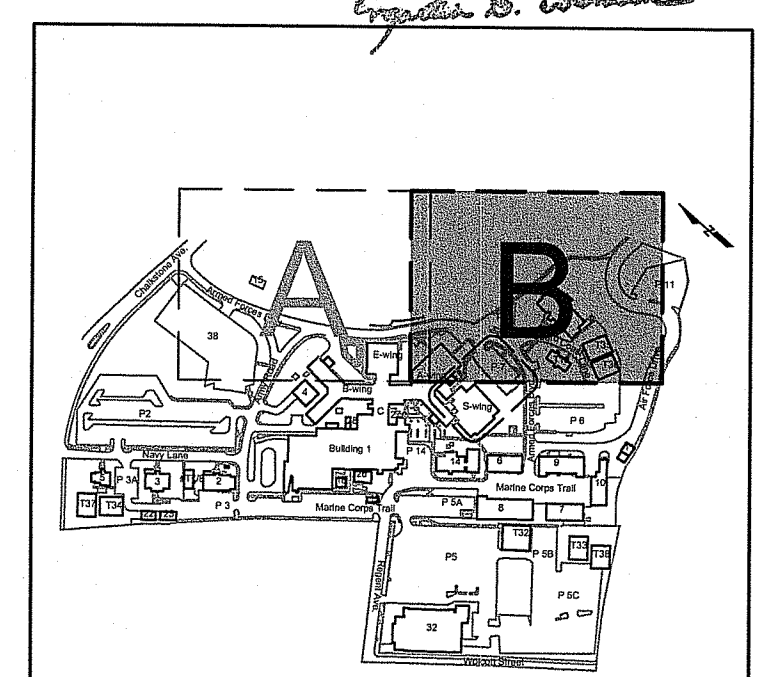
- APPROX
- BLDG
- BW
- CAM
- CB
- CO
- CONC
- CPC
- CX
- DBL
- DIP
- EB
- EHH
- ELEC
- EOP
- FO
- FP
- GOVT
- GV
- HDPE
- INV
- JB
- L
- LF
- LP
- MH
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- PVC
- RCP
- RCCP
- R
- RET
- SF
- SLCPP
- STA
- TC
- TEMP
- TRANS
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- TYP
- VCP
- W4"
- W4"

SITE SYMBOL - DEMOLITION

- EXISTING CURBING TO BE REMOVED
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- TEST HOLE #
- LIGHT POLE TO BE REMOVED
- (T.B.R.)
- (REL.)
- TO BE REPLACED
- (T.B.REP.)
- VALVES, MANHOLE LIDS, INLET TOPS AND METAL LIDS TO BE ADJUSTED TO FLUSH WITH FINISHED GRADE AS REQUIRED, PAINT TO BE ERADICATED
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NOTE:
VERTICAL TEXT INDICATES PROPOSED FEATURES (PROP.)
SLANTED TEXT INDICATES EXISTING FEATURES (EX.)

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL
DATED: MAR 26 2025 FILE #: 22-016
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KEY MAP
1"=500'



0' 30' 60'
SCALE: 1"=30'

REVISED PER RIDEM LETTER DATED 4/5/2024	4/10/2024
REVISED PER RIDEM LETTER DATED 1/12/2023	1/11/2024
Revisions:	Date:

CONSULTANT
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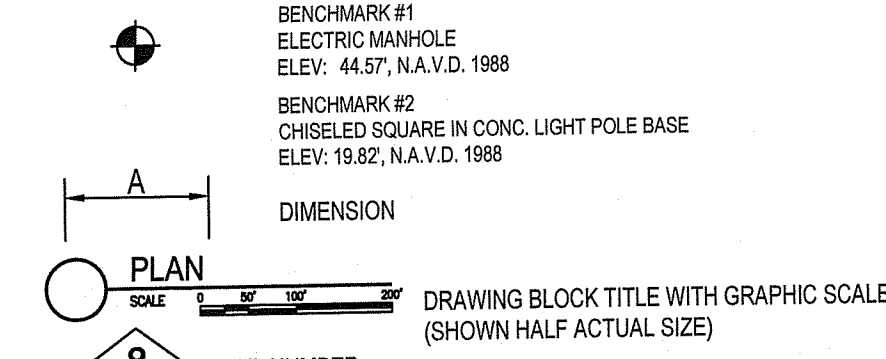
Drawing Title
Existing Features And Demolition Plan 'B'

Approved: Project Director

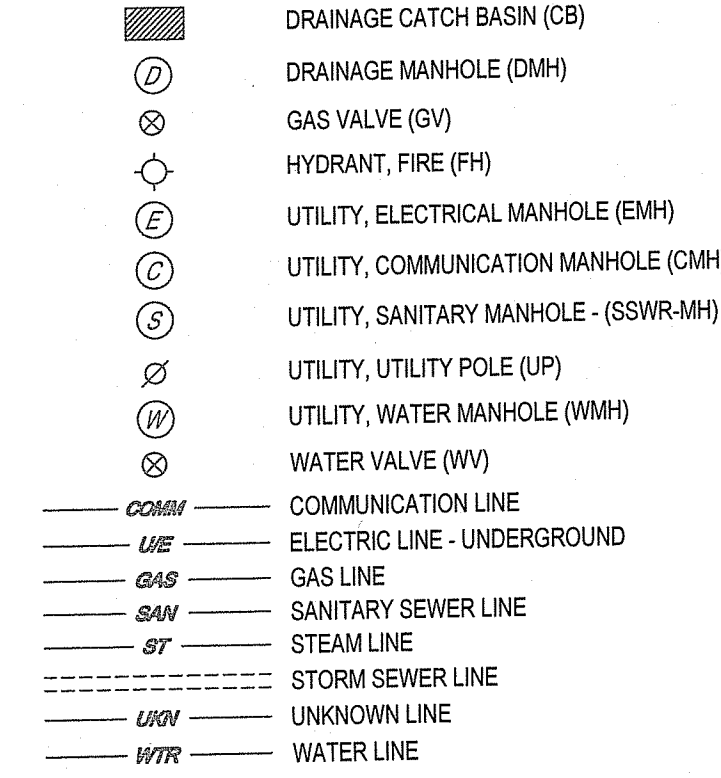
Phase
90% Submission
PERMIT SET,
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Project Title Relocate Armed Forces Boulevard	Project Number 650-20-102
Location Providence VAMC	Building Number
Issue Date 5/1/2023	Drawing Number EF-3
Checked McManaman	Drawn Geary
Dwg. 12 of 31	

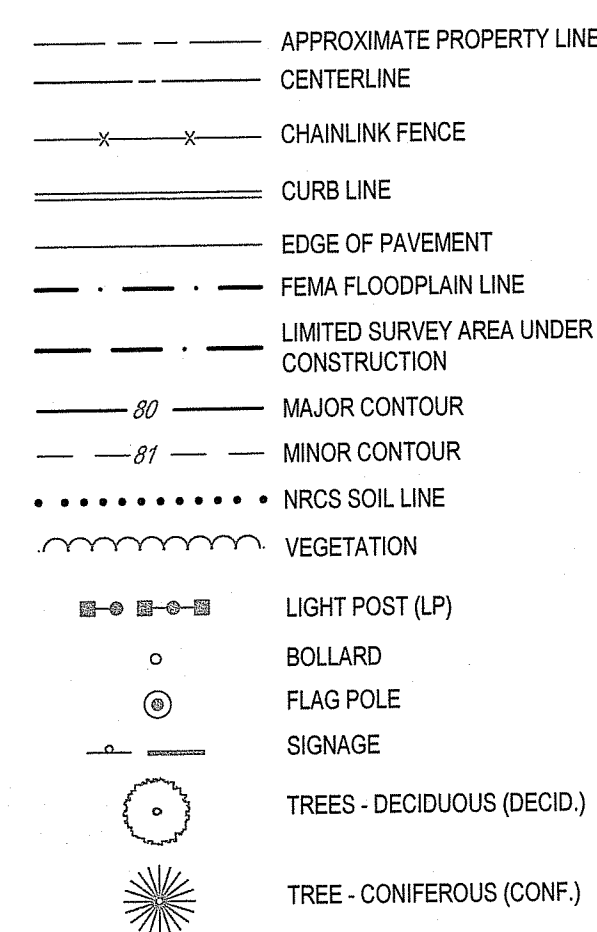
SITE SYMBOLS - GENERAL



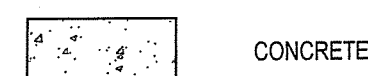
SITE SYMBOLS - UTILITIES



SITE SYMBOLS - EXISTING



SITE SYMBOLS - CONCRETE/MASONRY

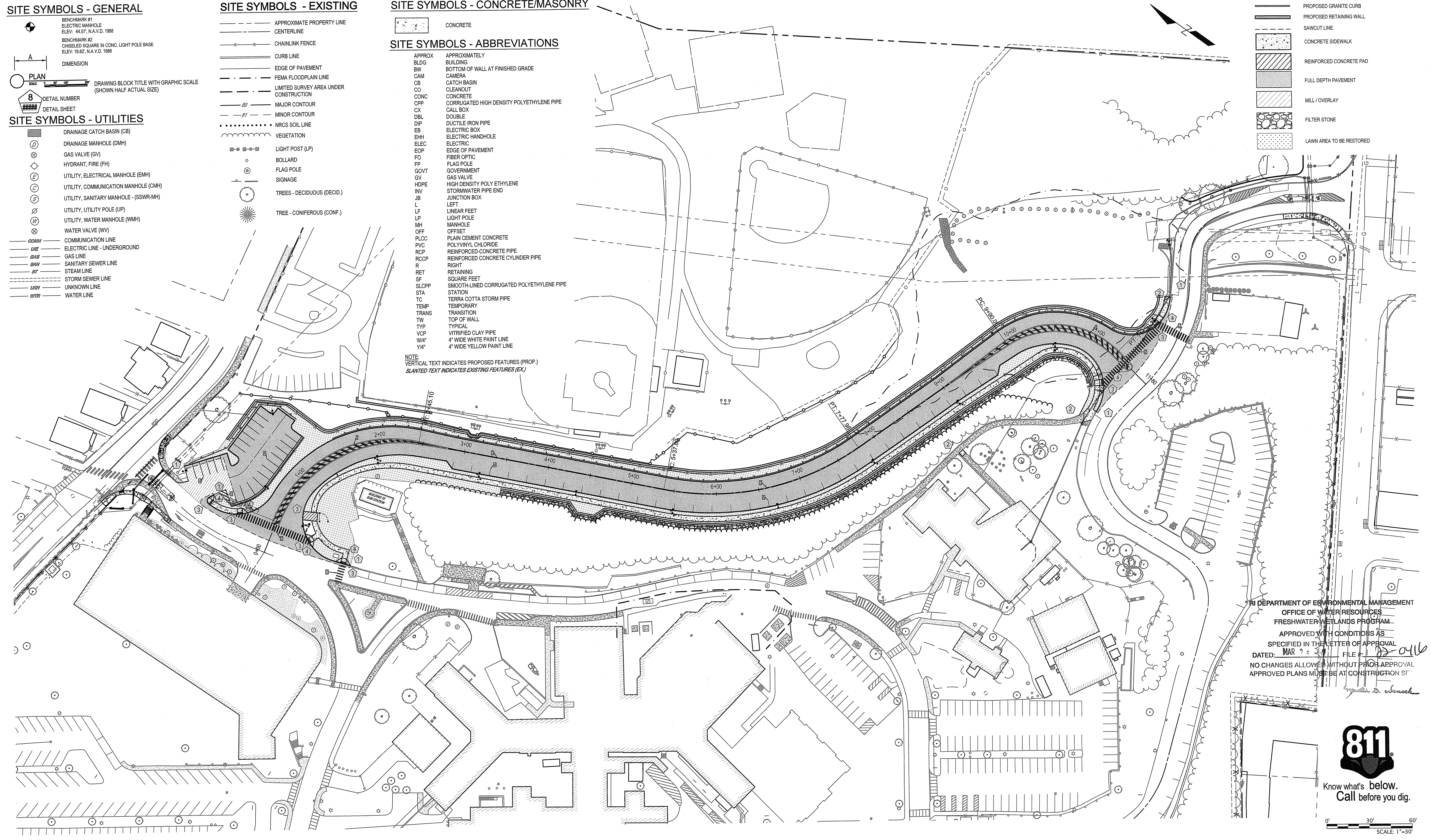
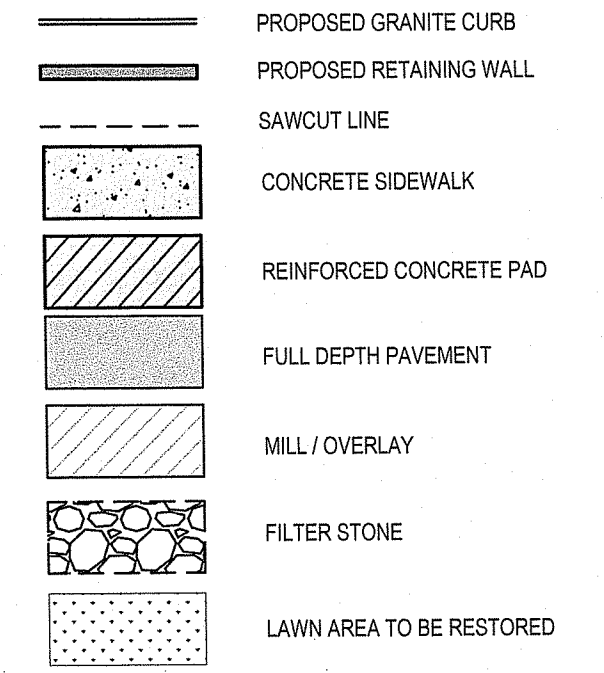


SITE SYMBOLS - ABBREVIATIONS

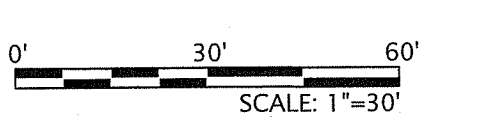
- APPROX BLDG APPROXIMATELY BUILDING
- BW BOTTOM OF WALL AT FINISHED GRADE
- CAM CAMERA
- CB CATCH BASIN
- CO CLEANOUT
- CONC CONCRETE
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- EB ELECTRIC BOX
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- GOVT GOVERNMENT
- GV GAS VALVE
- HDPE HIGH DENSITY POLY ETHYLENE
- INV STORMWATER PIPE END
- JB JUNCTION BOX
- LEFT
- LF LINEAR FEET
- LP LIGHT POLE
- MH MANHOLE
- OFF OFFSET
- PLCC PLAIN CEMENT CONCRETE
- PVC POLYVINYL CHLORIDE
- RCP REINFORCED-CONCRETE PIPE
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- R RIGHT
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- STA STATION
- TC TERRA COTTA STORM PIPE
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- WH 4" WIDE WHITE PAINT LINE
- YH 4" WIDE YELLOW PAINT LINE

NOTE:
VERTICAL TEXT INDICATES PROPOSED FEATURES (PROP.)
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SITE SYMBOL - IMPROVEMENTS



RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS
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DATED: MAR 28 2023 FILE # 22-0416
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REVISIONS	DATE
REVISOR	DATE
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CONSULTANT
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No. 43726
REGISTERED PROFESSIONAL ENGINEER (CIVIL)

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: Overall Layout Plan

Approved: Project Director

Phase: 90% Submission PERMIT SET, NOT FOR CONSTRUCTION

Project Title: Relocate Armed Forces Boulevard

Project Number: 650-20-102

Building Number: .

Drawing Number: LP-1

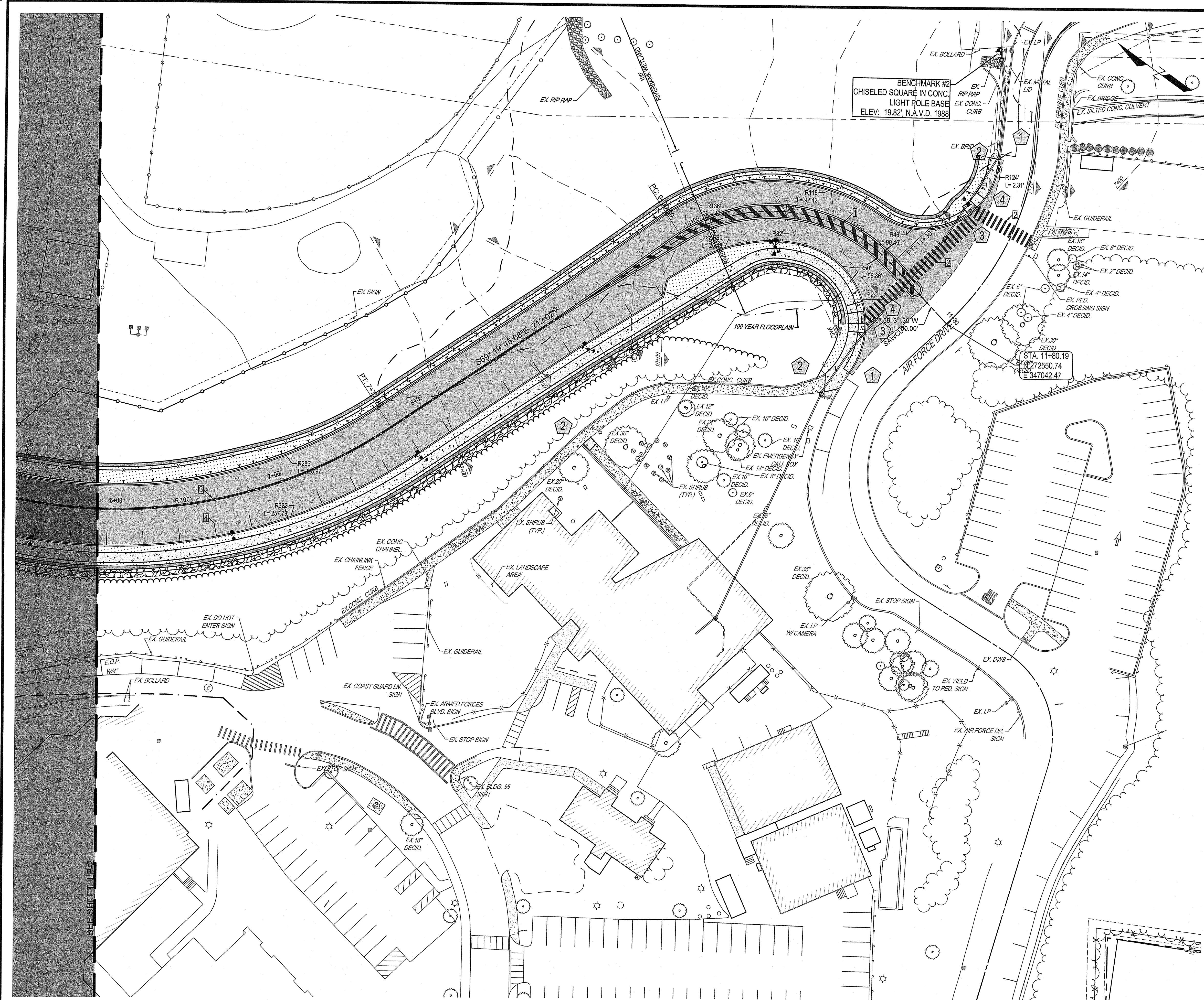
Dwg. 13 of 31

Location: Providence VAMC Providence, RI

Issue Date: 5/1/2023

Checked: McManaman

Drawn: Geary



SITE SYMBOLS - GENERAL

- BENCHMARK #1
ELECTRIC MANHOLE
ELEV. 44.57, N.A.V.D. 1988
- BENCHMARK #2
CHISELED SQUARE IN CONC. LIGHT POLE BASE
ELEV. 19.82, N.A.V.D. 1988
- PLAN SCALE: DRAWING BLOCK TITLE WITH GRAPHIC SCALE (SHOWN HALF ACTUAL SIZE)
- 8 DETAIL NUMBER
- 8 DETAIL SHEET

SITE SYMBOLS - UTILITIES

- DRAINAGE CATCH BASIN (CB)
- DRAINAGE MANHOLE (DMH)
- GAS VALVE (GV)
- HYDRANT, FIRE (FH)
- UTILITY, ELECTRICAL MANHOLE (EMH)
- UTILITY, COMMUNICATION MANHOLE (CMH)
- UTILITY, SANITARY MANHOLE - (SSWR-MH)
- UTILITY, UTILITY POLE (UP)
- UTILITY, WATER MANHOLE (WMH)
- WATER VALVE (WV)
- COMMUNICATION LINE
- ELECTRIC LINE - UNDERGROUND
- GAS LINE
- SANITARY SEWER LINE
- STEAM LINE
- STORM SEWER LINE
- UNKNOWN LINE
- WATER LINE

SITE SYMBOLS - EXISTING

- APPROXIMATE PROPERTY LINE
- CENTERLINE
- CHAINLINK FENCE
- CURB LINE
- EDGE OF PAVEMENT
- FEMA FLOODPLAIN LINE
- LIMITED SURVEY AREA UNDER CONSTRUCTION
- MAJOR CONTOUR
- MINOR CONTOUR
- NRCS SOIL LINE
- VEGETATION
- LIGHT POST (LP)
- BOLLARD
- FLAG POLE
- SIGNAGE
- TREES - DECIDUOUS (DECID.)
- TREE - CONIFEROUS (CONF.)

SITE SYMBOLS - CONCRETE/MASONRY

- CONCRETE

SITE SYMBOLS - ABBREVIATIONS

- APPROX BLDG - APPROXIMATELY BUILDING
- BW - BOTTOM OF WALL AT FINISHED GRADE
- CAM - CAMERA
- CB - CATCH BASIN
- CO - CLEANOUT
- CONC - CONCRETE
- CPP - CORRUGATED HIGH DENSITY POLYETHYLENE PIPE
- CX - CALL BOX
- DBL - DOUBLE
- DIP - DUCTILE IRON PIPE
- EB - ELECTRIC BOX
- EMH - ELECTRIC MANHOLE
- ELEC - ELECTRIC
- EOP - EDGE OF PAVEMENT
- FO - FIBER OPTIC
- FP - FLAG POLE
- GOVT - GOVERNMENT
- GV - GAS VALVE
- HDPE - HIGH DENSITY POLY ETHYLENE
- HW - HIGH WATER
- INV - INVERT
- JB - JUNCTION BOX
- L - LEFT
- LF - LINEAR FEET
- LP - LIGHT POLE
- MH - MANHOLE
- OFF - OFFSET
- PLCC - PLAIN CEMENT CONCRETE
- PVC - POLYVINYL CHLORIDE
- RCP - REINFORCED-CONCRETE PIPE
- RCCP - REINFORCED CONCRETE CYLINDER PIPE
- R - RIGHT
- RET - RETAINING
- SF - SQUARE FEET
- SLCCP - SMOOTH-LINED CORRUGATED POLYETHYLENE PIPE
- STA - STATION
- TC - TERRA COTTA STORM PIPE
- TEMP - TEMPORARY
- TRANS - TRANSITION
- TW - TOP OF WALL
- TYP - TYPICAL
- VCP - VITRIFIED CLAY PIPE
- W4" - 4" WIDE WHITE PAINT LINE
- Y4" - 4" WIDE YELLOW PAINT LINE

SITE SYMBOL - IMPROVEMENTS

- PROPOSED GRANITE CURB
- PROPOSED RETAINING WALL
- SAWCUT LINE
- CONCRETE SIDEWALK
- REINFORCED CONCRETE PAD
- FULL DEPTH PAVEMENT
- MILL / OVERLAY
- FILTER STONE
- LAWN AREA TO BE RESTORED
- RIDOT R-3 RIP RAP AT 12" THICK OR APPROVED EQUIVALENT
- PROPOSED SIGN
- PROPOSED LIGHT POLE W/ SECURITY CAMERA
- PROPOSED LIGHT POLE
- PROPOSED ORNAMENTAL FENCE
- PROPOSED PERIMETER FENCE, MATCH EXISTING
- PROPOSED GUARDRAIL
- PROPOSED TREE LINE

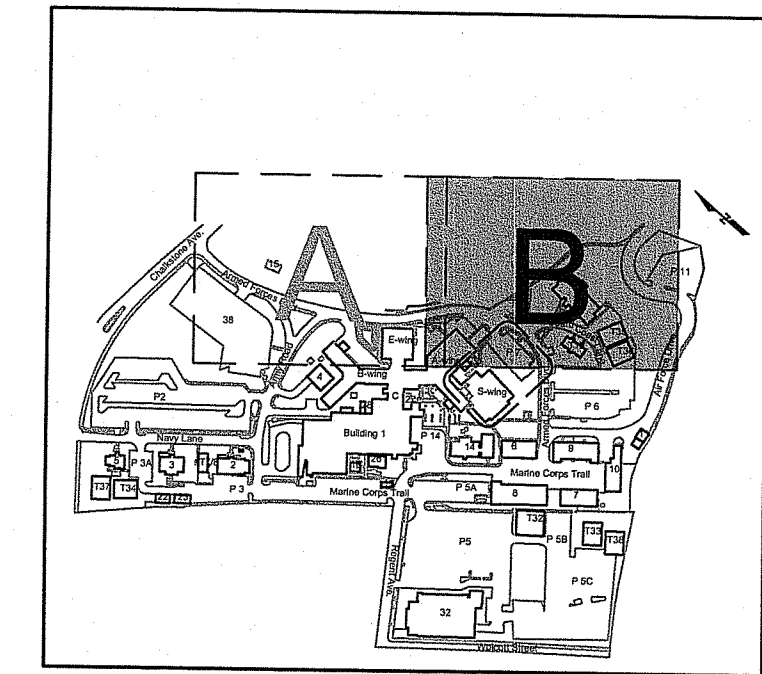
SITE SYMBOL - STRIPING

- 1 24" YELLOW PAINT - 45" @ 8' C-C
- 2 12" WHITE PAINT @ 3' C-C
- 3 4" DOUBLE YELLOW PAINT
- 4 4" WHITE PAINT
- 5 4" WHITE PAINT @ 3' C-C

SITE SYMBOL - CURBING

- 1 MATCH CURB TO EXISTING CURB, HORIZONTAL & VERTICAL
- 2 MATCH SIDEWALK TO EXISTING SIDEWALK, HORIZONTAL & VERTICAL
- 3 FLUSH CURB

NOTE:
VERTICAL TEXT INDICATES PROPOSED FEATURES (PROP.)
SLANTED TEXT INDICATES EXISTING FEATURES (EX.)



KEY MAP
1"=500'

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL
DATED: MAR 26 2024 FILE # 2024-0111
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

811
Know what's below.
Call before you dig.

0' 30' 60'
SCALE: 1"=30'

REVISIONS:	DATE:
REVIS PER RIDEM LETTER DATED 4/5/2024	4/10/2024
REVIS PER RIDEM LETTER DATED 1/12/2023	1/11/2024

CONSULTANT
GEOTECHNICAL / STORMWATER:

JCE
JOE CASALI ENGINEERING, INC.
CIVIL - SITE DEVELOPMENT - TRANSPORTATION
DRAINAGE - WETLANDS - ISDS - TRAFFIC - FLOODPLAIN
300 POST ROAD, WARWICK, RI 02888
(401) 864-1200 (401) 864-1212 FAX: WWW.JOECASALI.COM

ARCHITECT/ENGINEER OF RECORD

acela
architects + engineers
acela architects + engineers, pc office: 610.365.4023
2633 Moran Ave. website: www.acela-ae.com
Allentown, PA 18103 email: info@acela-ae.com

CHRISTOPHER W. GEARY
REGISTERED PROFESSIONAL ENGINEER (CEM)

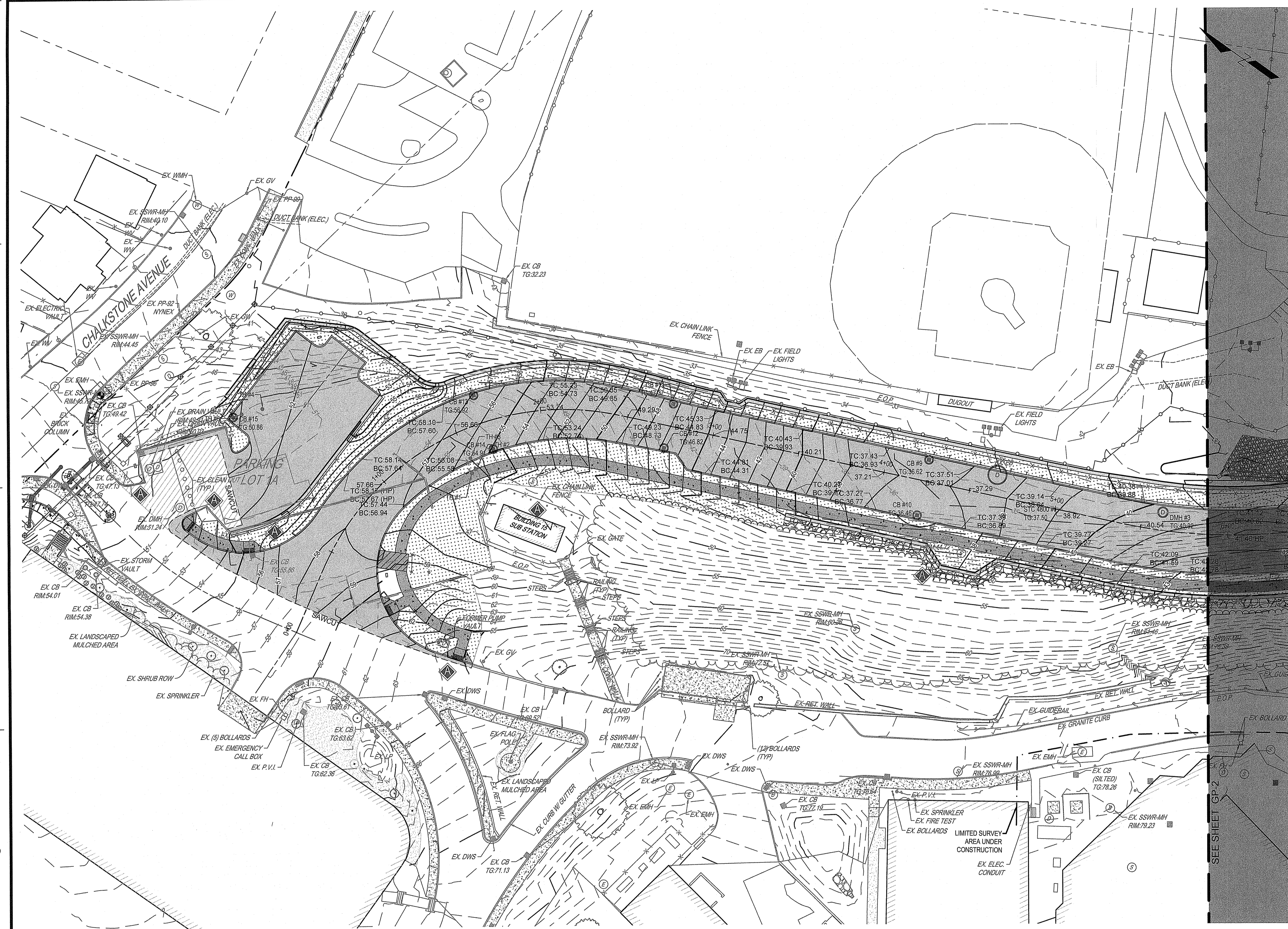
Office of Construction and Facilities Management
U.S. Department of Veterans Affairs

Drawing Title: Layout Plan 'B'
Approved: Project Director

Phase: 90% Submission PERMIT SET, NOT FOR CONSTRUCTION

Project Title: Relocate Armed Forces Boulevard
Project Number: 650-20-102
Building Number: -
Drawing Number: LP-3
Dwg. 15 of 31

Location: Providence VAMC
Issue Date: 5/1/2023
Checked: McManaman
Drawn: Geary



SITE SYMBOLS - GENERAL

- BENCHMARK #1
ELECTRIC MANHOLE
ELEV. 44.57, N.A.V.D. 1988
- BENCHMARK #2
CHISELED SQUARE IN CONC. LIGHT POLE BASE
ELEV. 19.82, N.A.V.D. 1988
- DIMENSION
- PLAN SCALE
- 8 DETAIL NUMBER
- ##### DETAIL SHEET

SITE SYMBOL - IMPROVEMENTS

- PROPOSED GRANITE CURB
- SAWCUT LINE
- PROPOSED STORM STRUCTURES
- 50 PROPOSED MAJOR CONTOUR
- 49 PROPOSED MINOR CONTOUR
- TC: XXX.XX TOP OF CURB ELEVATION
- BC: XXX.XX BOTTOM OF CURB ELEVATION

STORMWATER - LEGEND

- VALVES, MANHOLE LIDS, INLET TOPS AND METAL LIDS TO BE ADJUSTED TO GRADE AS REQUIRED.

SITE SYMBOLS - UTILITIES

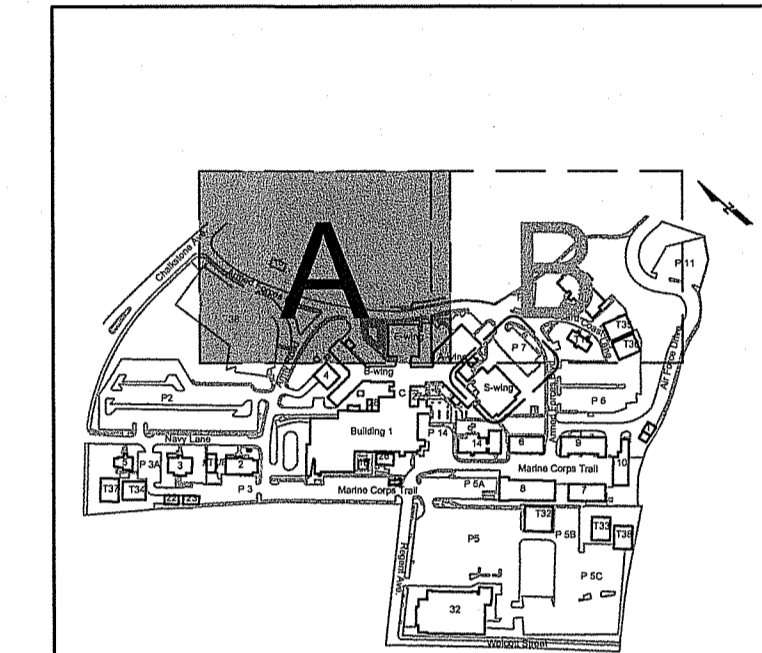
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- GAS VALVE (GV)
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- UTILITY, ELECTRICAL MANHOLE (EMH)
- UTILITY, COMMUNICATION MANHOLE (CMH)
- UTILITY, SANITARY MANHOLE - (SSWR-MH)
- UTILITY, UTILITY POLE (UP)
- UTILITY, WATER MANHOLE (WMH)
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- COMMUNICATION LINE
- ELECTRIC LINE - UNDERGROUND
- GAS LINE
- SANITARY SEWER LINE
- STEAM LINE
- STORM SEWER LINE
- UNKNOWN LINE
- WATER LINE

SITE SYMBOLS - EXISTING

- APPROXIMATE PROPERTY LINE
- CENTERLINE
- CHAINLINK FENCE
- CURB LINE
- EDGE OF PAVEMENT
- FEMA FLOODPLAIN LINE
- LIMITED SURVEY AREA UNDER CONSTRUCTION
- 80 MAJOR CONTOUR
- 81 MINOR CONTOUR
- NRCS SOIL LINE
- VEGETATION
- LIGHT POST (LP)
- BOLLARD
- FLAG POLE
- SIGNAGE
- TREES - DECIDUOUS (DECID.)
- TREE - CONIFEROUS (CONF.)

SITE SYMBOLS - CONCRETE/MASONRY

- CONCRETE



KEY MAP
1"=500'

SITE SYMBOLS - ABBREVIATIONS

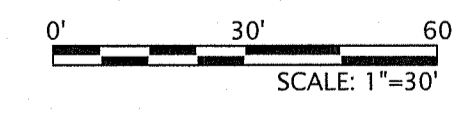
- APPROX APPROXIMATELY
- BLDG BUILDING
- BW BOTTOM OF WALL AT FINISHED GRADE
- CAM CAMERA
- CB CATCH BASIN
- CO CLEANOUT
- CONC CONCRETE
- OPP CORRUGATED HIGH DENSITY POLYETHYLENE PIPE
- CX CALL BOX
- DBL DOUBLE
- DIP DUCTILE IRON PIPE
- EB ELECTRIC BOX
- EHH ELECTRIC HANDHOLE
- ELEC ELECTRIC
- EOP EDGE OF PAVEMENT
- FO FIBER OPTIC
- FP FLAG POLE
- GOVNT GOVERNMENT
- GV GAS VALVE
- HDPE HIGH DENSITY POLY ETHYLENE
- INV INVERT
- IB STORMWATER PIPE END
- JB JUNCTION BOX
- LEFT LEFT
- LF LINEAR FEET
- LP LIGHT POLE
- MH MANHOLE
- OFF OFFSET
- PLCC PLAIN CEMENT CONCRETE
- PVC POLYVINYL CHLORIDE
- RCP REINFORCED CONCRETE PIPE
- RCCP REINFORCED CONCRETE CYLINDER PIPE
- R RIGHT
- RET RETAINING
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- STA STATION
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- TEMP TEMPORARY
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- W4 4" WIDE WHITE PAINT LINE
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OFFICE OF WATER RESOURCES
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DATED: MAR 26 2025 FILE #: 22-0416
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Christopher W. Geary



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Revisions:	Date:
REVISED PER RIDEM LETTER DATED 4/5/2024	4/10/2024
REVISED PER RIDEM LETTER DATED 1/12/2023	1/11/2024

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GEOTECHNICAL / STORMWATER:

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CHRISTOPHER W. GEARY
REGISTERED PROFESSIONAL ENGINEER (CIVIL)

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: Grading Plan 'A'

Approved: Project Director

Phase: 90% Submission
NOT FOR CONSTRUCTION

Project Title: Relocate Armed Forces Boulevard

Location: Providence VAMC

Issue Date: 5/1/2023

Checked: McManaman

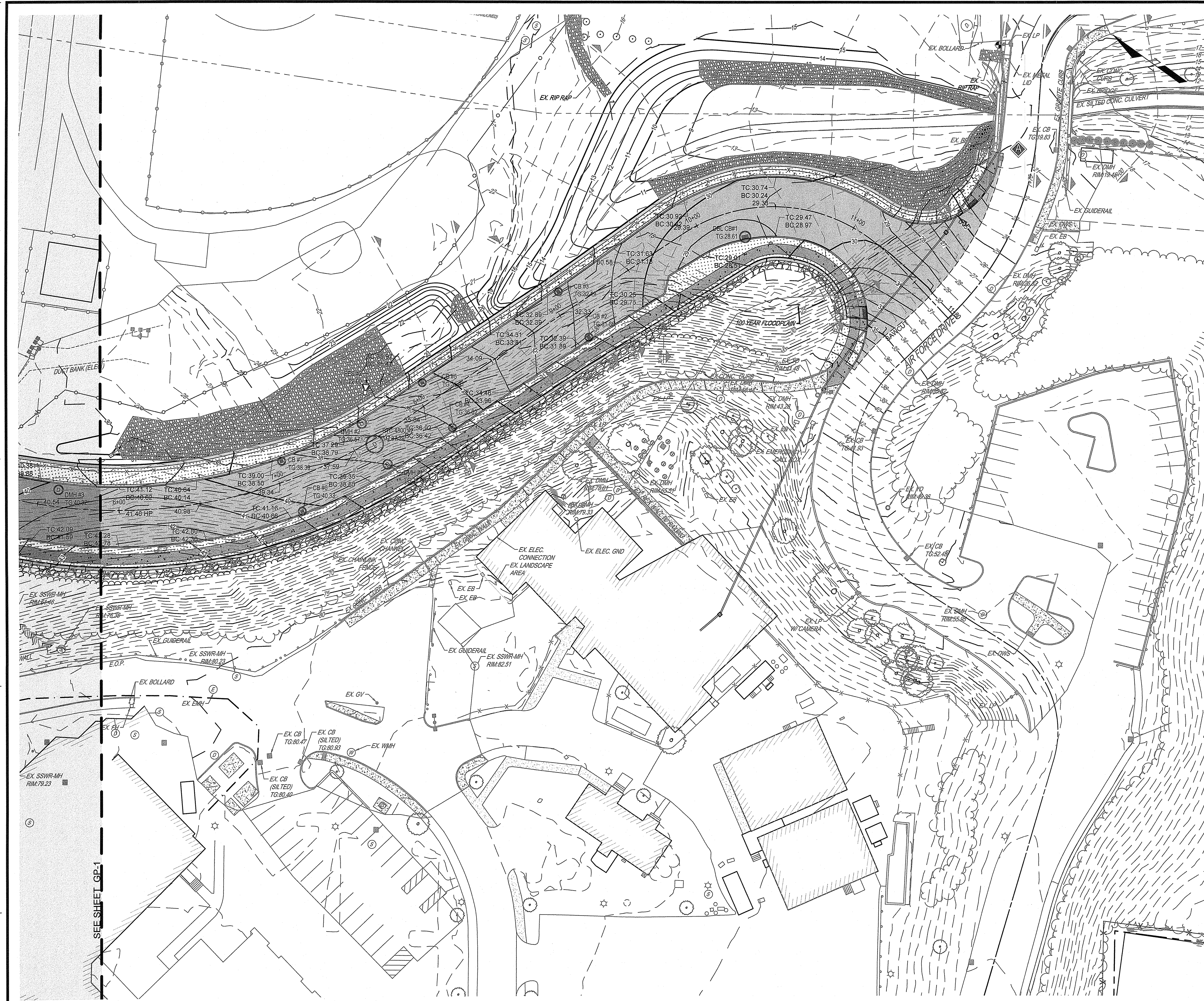
Drawn: Geary

Project Number: 650-20-102

Building Number: -

Drawing Number: GP-1

Dwg. 16 of 31



SITE SYMBOLS - GENERAL

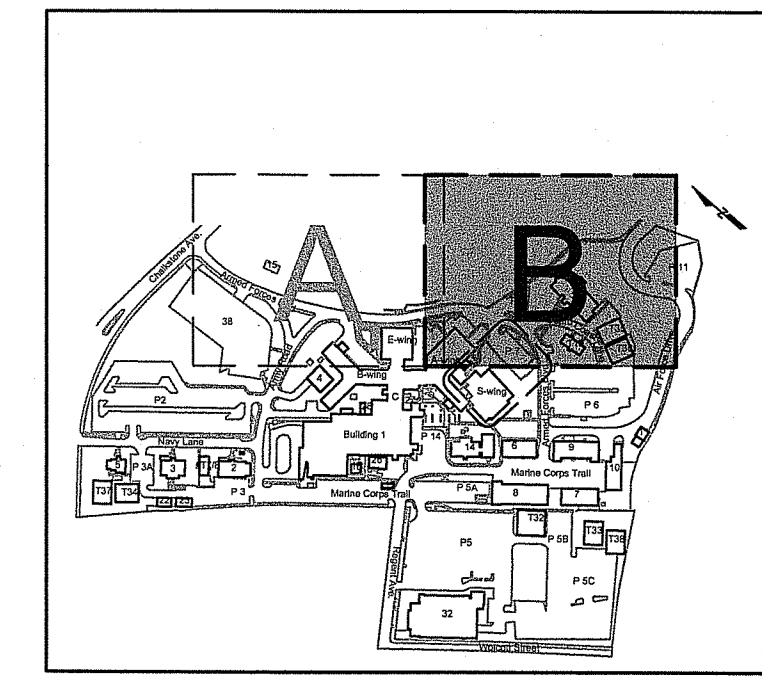
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CHISELED SQUARE IN CONC. LIGHT POLE BASE
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DRAWING BLOCK TITLE WITH GRAPHIC SCALE
(SHOWN HALF ACTUAL SIZE)
- 8
DETAIL NUMBER
- #1111
DETAIL SHEET

SITE SYMBOL - IMPROVEMENTS

- PROPOSED CONCRETE CURB
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- 50
PROPOSED MAJOR CONTOUR
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- TC: XXX.XX
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STORMWATER - LEGEND

- VALVES, MANHOLE LIDS, INLET TOPS AND METAL LIDS TO BE ADJUSTED TO GRADE AS REQUIRED.



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- ELEC ELECTRIC
- EOP EDGE OF PAVEMENT
- FO FIBER OPTIC
- FP FLAG POLE
- GOVT GOVERNMENT
- GV GAS VALVE
- HDPE HIGH DENSITY POLY ETHYLENE
- INV STORMWATER PIPE END
- JB JUNCTION BOX
- LB LEFT
- LF LINEAR FEET
- LP LIGHT POLE
- MH MANHOLE
- OFF OFFSET
- PLCC PLAIN CEMENT CONCRETE
- PVC POLYVINYL CHLORIDE
- RCP REINFORCED-CONCRETE PIPE
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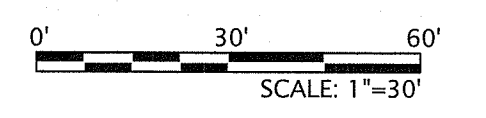
- APPROXIMATE PROPERTY LINE
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- LIMITED SURVEY AREA UNDER CONSTRUCTION
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MAJOR CONTOUR
- 81
MINOR CONTOUR
- NRCS SOIL LINE
- VEGETATION
- LIGHT POST (LP)
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- SIGNAGE
- TREES - DECIDUOUS (DECID.)
- TREE - CONIFEROUS (CONF.)

SITE SYMBOLS - CONCRETE/MASONRY

- CONCRETE

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
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DATED: MAR 26 2025 FILE #: 22-0416
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Christopher W. Geary



REVISIONS:	
REVISED PER RIDEM LETTER DATED 4/5/2024	4/10/2024
REVISED PER RIDEM LETTER DATED 1/12/2023	1/11/2024
Date:	

CONSULTANT
GEOTECHNICAL / STORMWATER:

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CIVIL - SITE DEVELOPMENT - TRANSPORTATION
DRAINAGE - WETLANDS - 190'S - TRAFFIC - FLOODPLAIN
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(401) 844-1300 (401) 844-1313 FAX WWW.JOECASALI.COM

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CHRISTOPHER W. GEARY
REGISTERED PROFESSIONAL ENGINEER (CIVIL)

Office of Construction and Facilities Management
VA U.S. Department of Veterans Affairs

Drawing Title
Grading Plan 'B'

Approved: Project Director

Phase
90% Submission
NOT FOR CONSTRUCTION

Project Title
Relocate Armed Forces Boulevard

Project Number
650-20-102

Building Number

Drawing Number
GP-2

Dwg. 17 of 31

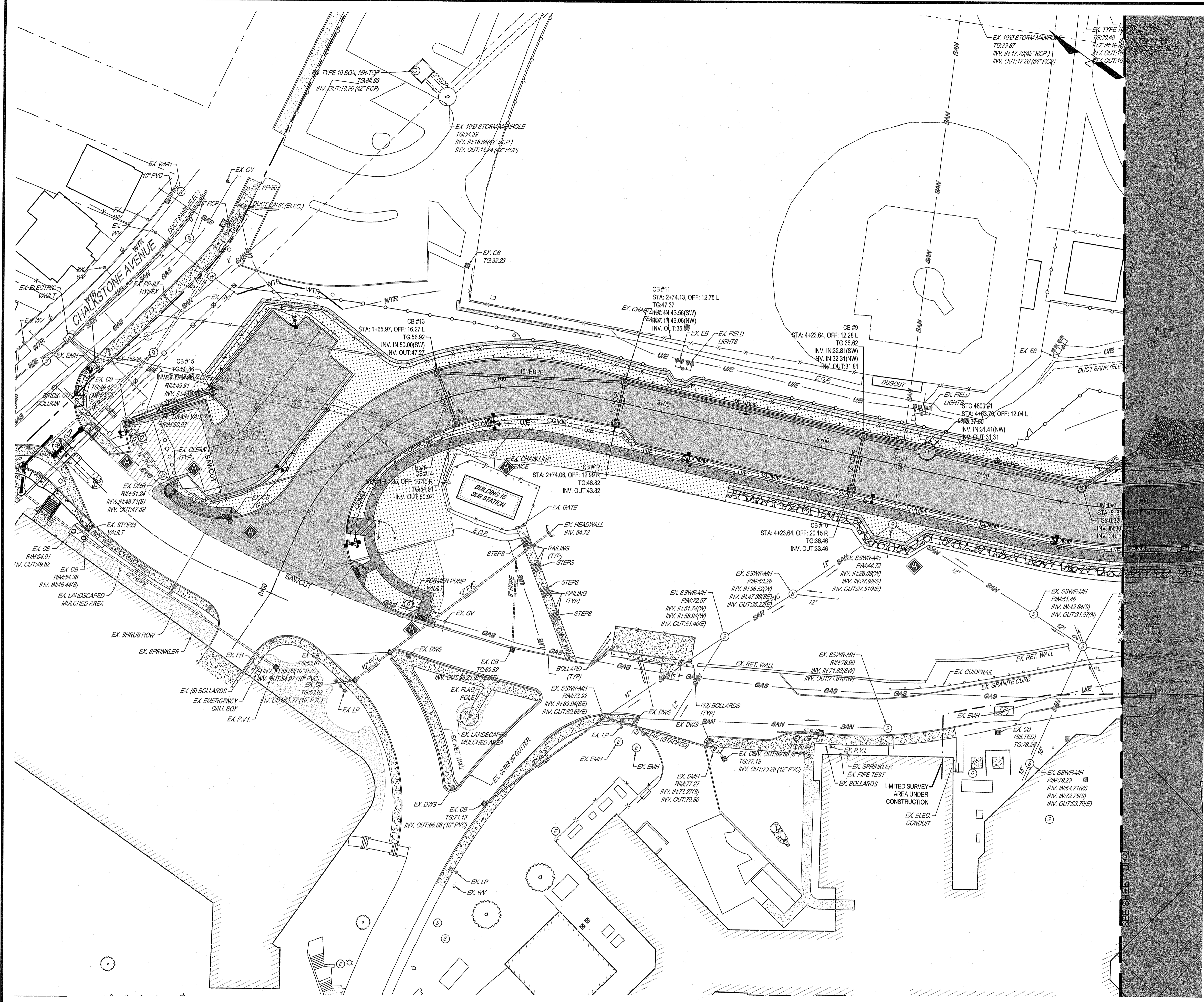
Location
Providence VAMC Providence, RI

Issue Date
5/1/2023

Checked
McManaman

Drawn
Geary

A
B
C
D
E



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CHEELED SQUARE IN CONC. LIGHT POLE BASE
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- PLAN
SCALE 1"=50'
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DETAIL NUMBER
DETAIL SHEET

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SITE SYMBOL - IMPROVEMENTS

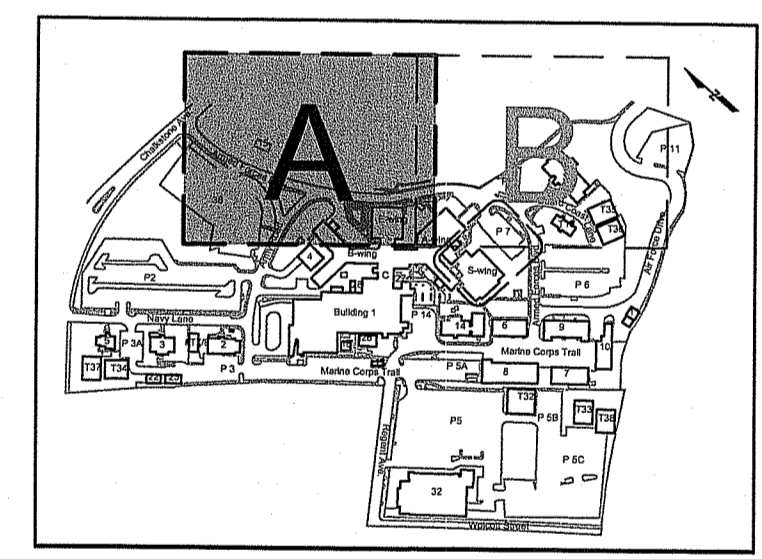
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- PROPOSED LIGHT POLE W/ SECURITY CAMERAS
- PROPOSED ELECTRIC LINE
- PROPOSED COMMUNICATION LINE
- PROPOSED CALL BOX
- PROPOSED STORM STRUCTURES
- PROPOSED STORM PIPE
- WTR PROPOSED RELOCATED WATER LINE

STORMWATER - LEGEND

- ▲ VALVES, MANHOLE LIDS, INLET TOPS AND METAL LIDS TO BE ADJUSTED TO GRADE AS REQUIRED.

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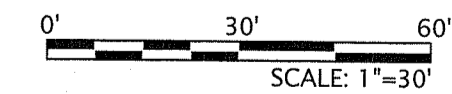
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1"=500'



Know what's below.
Call before you dig.



SCALE 1"=30'

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REVISED PER RIDEM LETTER DATED 1/12/2024	1/11/2024

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Civil, SITE DEVELOPMENT, TRANSPORTATION
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(401) 864-1300 (401) 964-1313 FAX WWW.JOECASALI.COM

ARCHITECT/ENGINEER OF RECORD

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architects + engineers
acela architects + engineers, pc office: 610.365.4023
2633 Moravian Ave. website: www.acela-ae.com
Allentown, PA 18103 email: info@acela-ae.com

CHRISTOPHER W. GEARY
REGISTERED PROFESSIONAL ENGINEER (CIVIL)

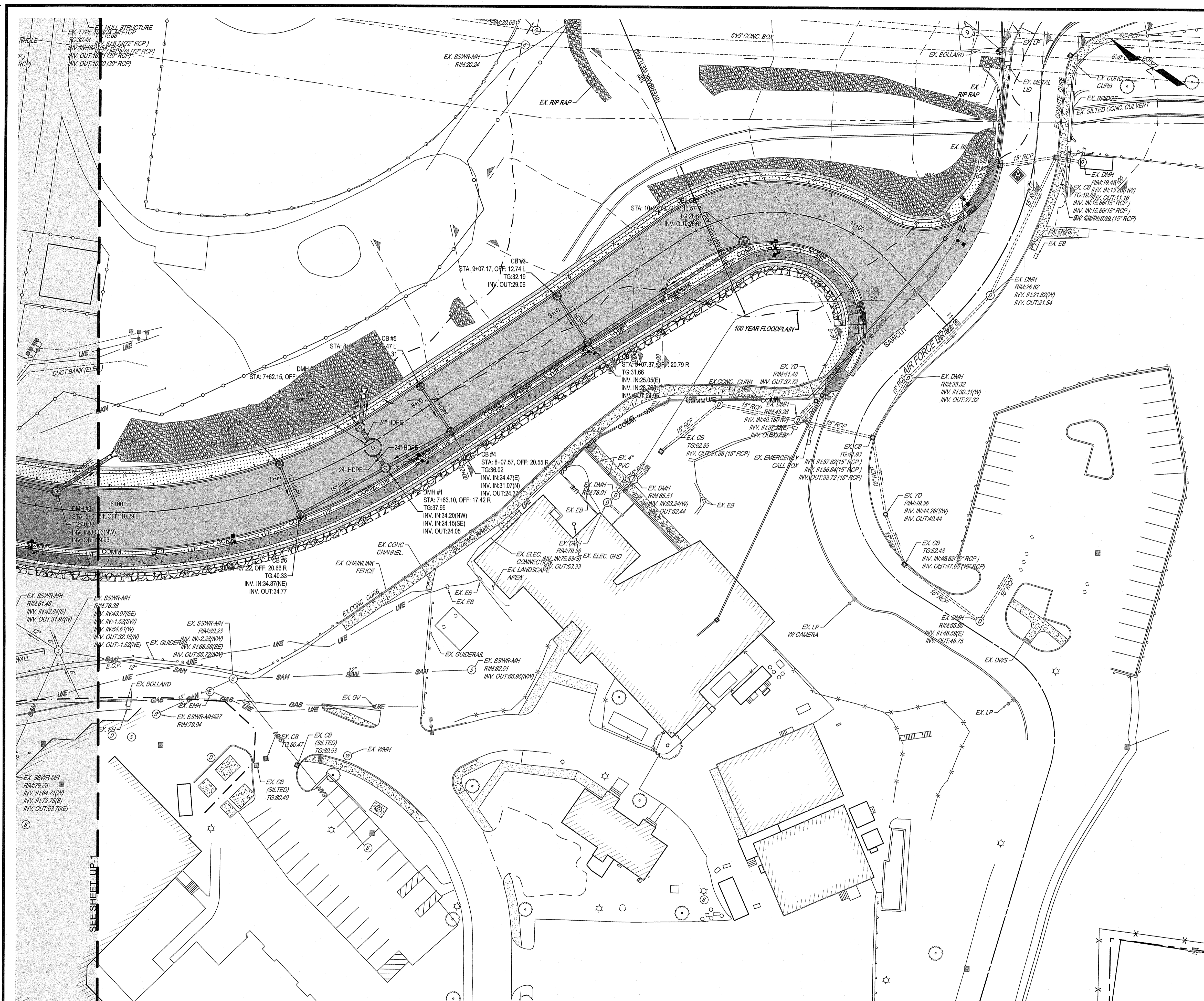
Office of Construction and Facilities Management
VA U.S. Department of Veterans Affairs

Drawing Title
Utility Plan 'A'

Approved: Project Director

Phase
90% Submission
NOT FOR CONSTRUCTION

Project Title
Relocate Armed Forces BoulevardProject Number
650-20-102
Building Number
-
Location
Providence VAMC Providence, RI
Issue Date
5/1/2023
Checked
McManaman
Drawn
Geary
Drawing Number
UP-1
Dwg. 18 of 31



SITE SYMBOLS - GENERAL

- BENCHMARK #1
ELECTRIC MANHOLE
ELEV. 44.57, N.A.V.D. 1988
- BENCHMARK #2
CHISELED SQUARE IN CONC. LIGHT POLE BASE
ELEV. 19.82, N.A.V.D. 1988
- DIMENSION
- PLAN SCALE
- 8 DETAIL NUMBER
- 8 DETAIL SHEET
- DRAWING BLOCK TITLE WITH GRAPHIC SCALE (SHOWN HALF ACTUAL SIZE)

SITE SYMBOL - IMPROVEMENTS

- PROPOSED GRANITE CURB
- SAWCUT LINE
- PROPOSED LIGHT POLE
- PROPOSED LIGHT POLE W/ SECURITY CAMERAS
- PROPOSED ELECTRIC LINE
- PROPOSED COMMUNICATION LINE
- PROPOSED CALL BOX
- PROPOSED STORM STRUCTURES
- PROPOSED STORM PIPE
- PROPOSED RELOCATED WATER LINE

SITE SYMBOLS - UTILITIES

- DRAINAGE CATCH BASIN (CB)
- DRAINAGE MANHOLE (DMH)
- GAS VALVE (GV)
- HYDRANT, FIRE (FH)
- UTILITY, ELECTRICAL MANHOLE (EMH)
- UTILITY, COMMUNICATION MANHOLE (CMH)
- UTILITY, SANITARY MANHOLE - (SSWR-MH)
- UTILITY, UTILITY POLE (UP)
- UTILITY, WATER MANHOLE (WMH)
- WATER VALVE (WV)
- COMMUNICATION LINE
- ELECTRIC LINE - UNDERGROUND
- GAS LINE
- SANITARY SEWER LINE
- STEAM LINE
- STORM SEWER LINE
- UNKNOWN LINE
- WATER LINE

STORMWATER - LEGEND

- VALVES, MANHOLE LIDS, INLET TOPS AND METAL LIDS TO BE ADJUSTED TO GRADE AS REQUIRED.
- NOTE: VERTICAL TEXT INDICATES PROPOSED FEATURES (PROP.)
SLANTED TEXT INDICATES EXISTING FEATURES (EX.)

SITE SYMBOLS - EXISTING

- APPROXIMATE PROPERTY LINE
- CENTERLINE
- CHAINLINK FENCE
- CURB LINE
- EDGE OF PAVEMENT
- FEMA FLOODPLAIN LINE
- LIMITED SURVEY AREA UNDER CONSTRUCTION
- MAJOR CONTOUR
- MINOR CONTOUR
- NRCS SOIL LINE
- VEGETATION
- LIGHT POST (LP)
- BOLLARD
- FLAG POLE
- SIGNAGE
- TREES - DECIDUOUS (DECID.)
- TREE - CONIFEROUS (CONF.)

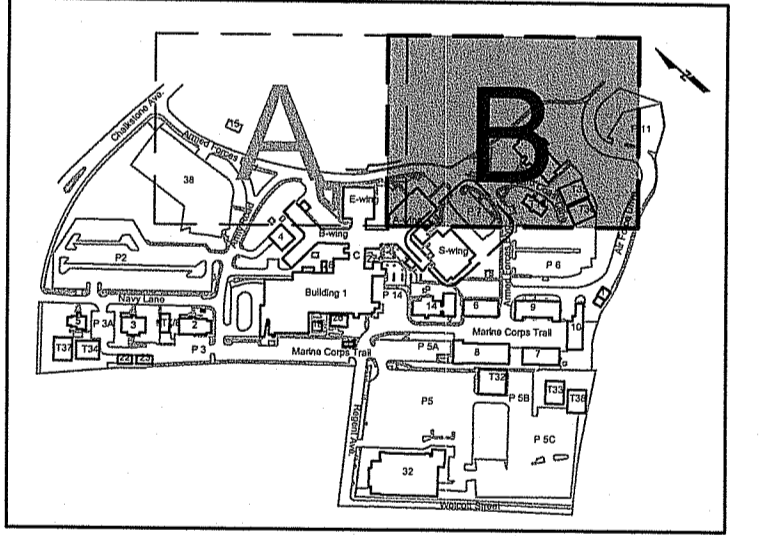
SITE SYMBOLS - CONCRETE/MASONRY

- CONCRETE

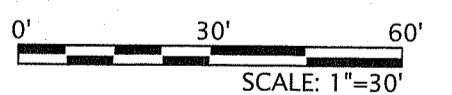
SITE SYMBOLS - ABBREVIATIONS

- APPROX BLDG - APPROXIMATELY BUILDING
- BW - BOTTOM OF WALL AT FINISHED GRADE
- CAM - CAMERA
- CB - CATCH BASIN
- CO - CLEANOUT
- CONC - CONCRETE
- CPV - CORRUGATED HIGH DENSITY POLYETHYLENE PIPE
- CBX - CALL BOX
- DBL - DOUBLE
- DIP - DUCTILE IRON PIPE
- EB - ELECTRIC BOX
- EHH - ELECTRIC HANDHOLE
- ELEC - ELECTRIC
- EOP - EDGE OF PAVEMENT
- FP - FIBER OPTIC
- FP - FLAG POLE
- GOV - GOVERNMENT
- GV - GAS VALVE
- HDPE - HIGH DENSITY POLY ETHYLENE
- INV - STORMWATER PIPE END
- JB - JUNCTION BOX
- L - LEFT
- LF - LINEAR FEET
- LP - LIGHT POLE
- MH - MANHOLE
- OFF - OFFSET
- PLCC - PLAIN CEMENT CONCRETE
- PVC - POLYVINYL CHLORIDE
- RCP - REINFORCED-CONCRETE PIPE
- RCCP - REINFORCED CONCRETE CYLINDER PIPE
- R - RIGHT
- RET - RETAINING
- SF - SQUARE FEET
- SLCCP - SMOOTH-LINED CORRUGATED POLYETHYLENE PIPE
- STA - STATION
- TC - TERRA COTTA STORM PIPE
- TEMP - TEMPORARY
- TRANS - TRANSITION
- TW - TOP OF WALL
- TYP - TYPICAL
- VCP - VITRIFIED CLAY PIPE
- W4 - 4" WIDE WHITE PAINT LINE
- Y4 - 4" WIDE YELLOW PAINT LINE

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL
DATED: MAR 26 2023 FILE #: 22-0416
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE



Know what's below.
Call before you dig.



REVISED PER RIDEM LETTER DATED 4/5/2024	4/10/2024
REVISED PER RIDEM LETTER DATED 1/11/2024	1/11/2024
Revisions:	Date:

CONSULTANT
GEOTECHNICAL / STORMWATER:

JCE
JOE CASALI ENGINEERING, INC.
CIVIL - SITE DEVELOPMENT - TRANSPORTATION
DRAINAGE - WETLANDS - HERS - TRAFFIC - FLOODPLAIN
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CHRISTOPHER W. GEARY
Mo. 13726
REGISTERED PROFESSIONAL ENGINEER (CIVIL)

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
Utility Plan 'B'

Approved: Project Director

Phase
90% Submission
NOT FOR CONSTRUCTION

Project Title
Relocate Armed Forces Boulevard

Project Number
650-20-102

Building Number
-

Drawing Number
UP-2

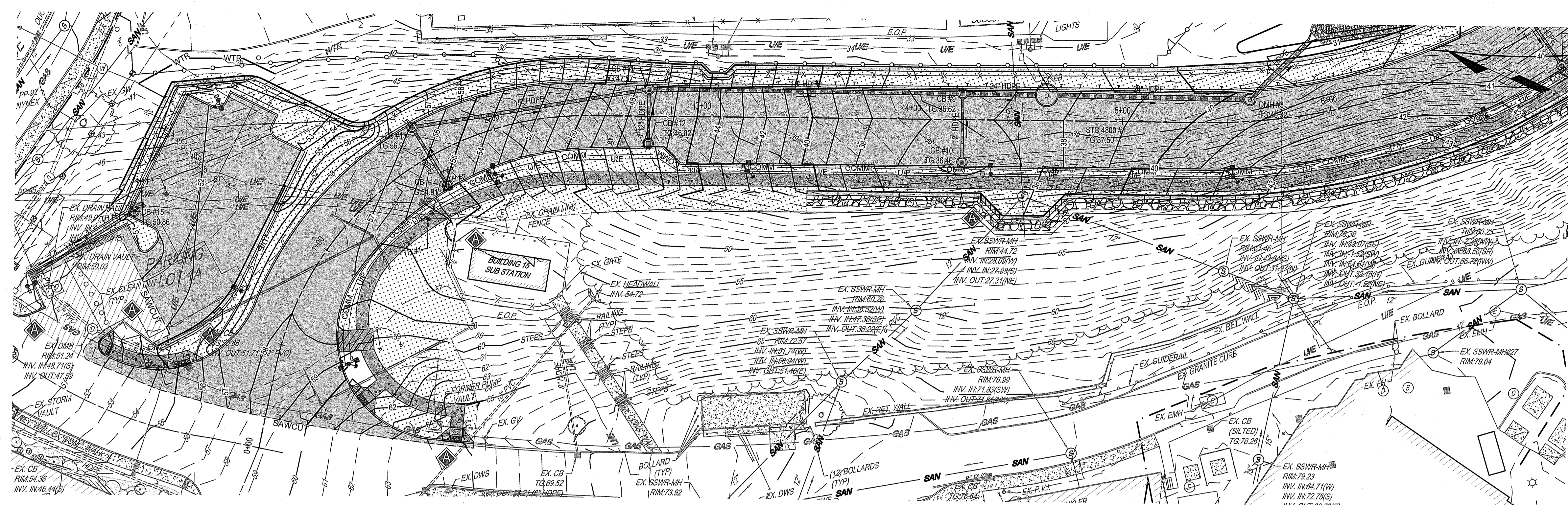
Location
Providence VAMC Providence, RI

Issue Date
5/1/2023

Checked
McManaman

Drawn
Geary

Dwg. 19 of 31



SITE SYMBOLS - GENERAL

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ELECTRIC MANHOLE
ELEV. 44.57, N.A.V.D. 1988
- BENCHMARK #2
CHISELED SQUARE IN CONC. LIGHT POLE BASE
ELEV. 19.82, N.A.V.D. 1988
- DIMENSION
- PLAN
- SCALE: 1"=30'
- DRAWING BLOCK TITLE WITH GRAPHIC SCALE
(SHOWN HALF ACTUAL SIZE)
- 8
DETAIL NUMBER
- 8
DETAIL SHEET

SITE SYMBOLS - UTILITIES

- DRAINAGE CATCH BASIN (CB)
- DRAINAGE MANHOLE (DMH)
- GAS VALVE (GV)
- HYDRANT FIRE (FH)
- UTILITY, ELECTRICAL MANHOLE (EIMH)
- UTILITY, COMMUNICATION MANHOLE (CMH)
- UTILITY, SANITARY MANHOLE - (SSWR-MH)
- UTILITY, UTILITY POLE (UP)
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- STEAM LINE
- STORM SEWER LINE
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RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
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 DATED: MAR 26 2025
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

SITE SYMBOLS - EXISTING

- APPROXIMATE PROPERTY LINE
- CENTERLINE
- CHAINLINK FENCE
- CURB LINE
- EDGE OF PAVEMENT
- FEMA FLOODPLAIN LINE
- LIMITED SURVEY AREA UNDER CONSTRUCTION
- MAJOR CONTOUR
- MINOR CONTOUR
- NRCS SOIL LINE
- VEGETATION
- LIGHT POST (LP)
- BOLLARD
- FLAG POLE
- SIGNAGE
- TREES - DECIDUOUS (DECID.)
- TREE - CONIFEROUS (CONF.)

SITE SYMBOLS - CONCRETE/MASONRY

- CONCRETE

SITE SYMBOLS - ABBREVIATIONS

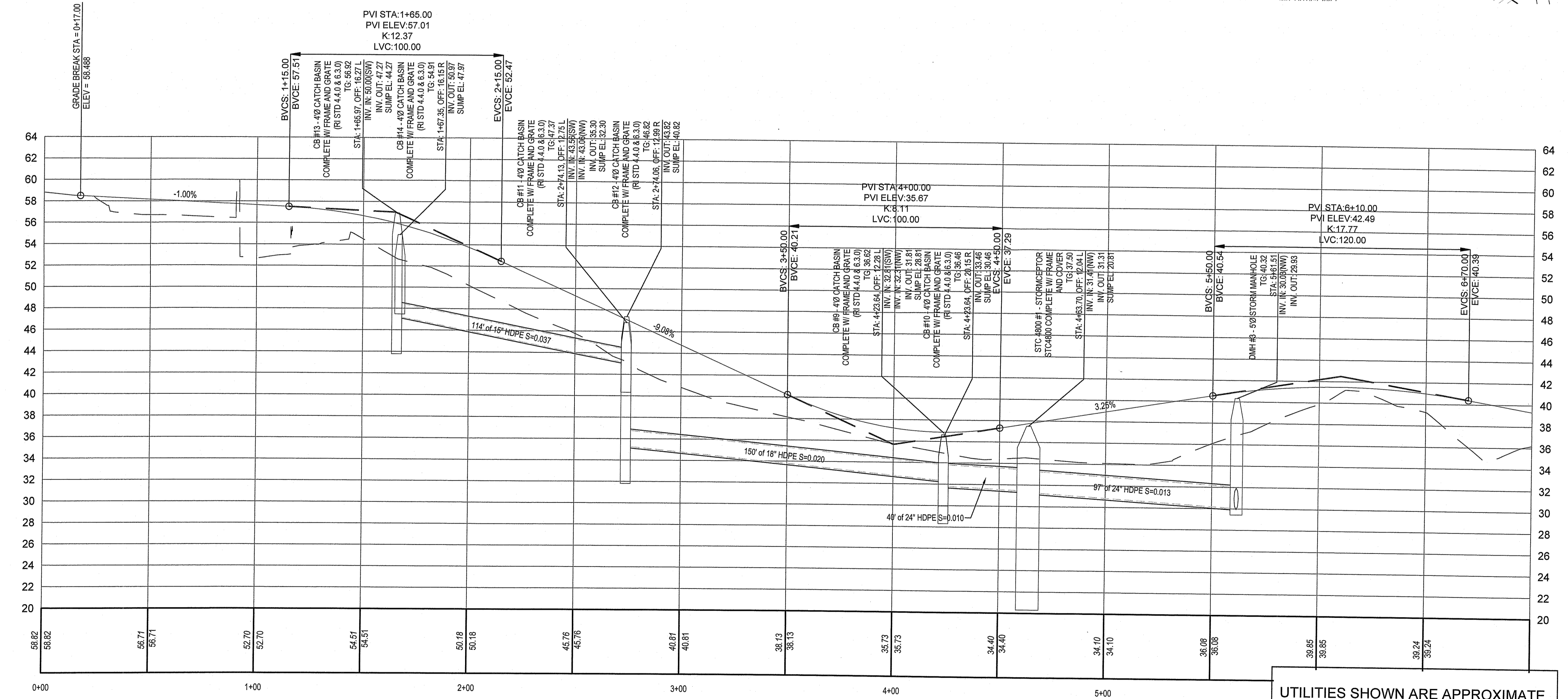
- | | |
|-------------|---|
| APPROX BLDG | APPROXIMATELY BUILDING |
| BW | BOTTOM OF WALL AT FINISHED GRADE |
| CAM | CAMERA |
| CB | CATCH BASIN |
| CO | CLEANOUT |
| CONC | CONCRETE |
| CPP | CORRUGATED HIGH DENSITY POLYETHYLENE PIPE |
| CX | CALL BOX |
| DBL | DOUBLE |
| DIP | DUCTILE IRON PIPE |
| EB | ELECTRIC BOX |
| EHH | ELECTRIC HANDHOLE |
| ELEC | ELECTRIC |
| EOP | EDGE OF PAVEMENT |
| FO | FIBER OPTIC |
| FP | FLAG POLE |
| GOVT | GOVERNMENT |
| GV | GAS VALVE |
| HDPE | HIGH DENSITY POLY ETHYLENE |
| INV | STORMWATER PIPE END |
| JB | JUNCTION BOX |
| LEFT | LEFT |
| LF | LINEAR FEET |
| LP | LIGHT POLE |
| MH | MANHOLE |
| OFF | OFFSET |
| PLOC | PLAIN CEMENT CONCRETE |
| PVC | POLYVINYL CHLORIDE |
| RCP | REINFORCED CONCRETE PIPE |
| RCCP | REINFORCED CONCRETE CYLINDER PIPE |
| R | RIGHT |
| RET | RETAINING |
| SF | SQUARE FEET |
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| STA | STATION |
| TC | TERRA COTTA STORM PIPE |
| TEMP | TEMPORARY |
| TRANS | TRANSITION |
| TW | TOP OF WALL |
| TYP | TYPICAL |
| VCP | VITRIFIED CLAY PIPE |
| W4" | 4" WIDE WHITE PAINT LINE |
| Y4" | 4" WIDE YELLOW PAINT LINE |

SITE SYMBOL - IMPROVEMENTS

- PROPOSED GRANITE CURB
- PROPOSED SAWCUT LINE
- PROPOSED LIGHT POLE
- PROPOSED SECURITY CAMERA
- PROPOSED ELECTRIC LINE
- PROPOSED COMMUNICATION LINE
- PROPOSED STORM STRUCTURES
- PROPOSED STORM PIPE
- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- CONCRETE SIDEWALK
- REINFORCED CONCRETE PAD
- FULL DEPTH PAVEMENT

STORMWATER - LEGEND

- VALVES, MANHOLE LIDS, INLET TOPS AND METAL LIDS TO BE ADJUSTED TO GRADE AS REQUIRED.
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PROFILE VIEW OF RELOCATED ARMED FORCES BLVD
 HORIZONTAL SCALE: 1"=20'
 VERTICAL SCALE: 1"=4'

UTILITIES SHOWN ARE APPROXIMATE
 CONTRACTOR SHALL CONFIRM
 LOCATION AND DEPTH IN FIELD

REVISED PER RIDEM LETTER DATED 4/5/2024	4/10/2024
REVISED PER RIDEM LETTER DATED 1/12/2023	1/11/2024
Revisions:	Date:

CONSULTANT
 GEOTECHNICAL / STORMWATER:

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 JOE CASALI ENGINEERING, INC.
 CIVIL, SITE DEVELOPMENT - TRANSPORTATION
 DRAINAGE - WETLANDS - ISDS - TRAFFIC - FLOODPLAIN
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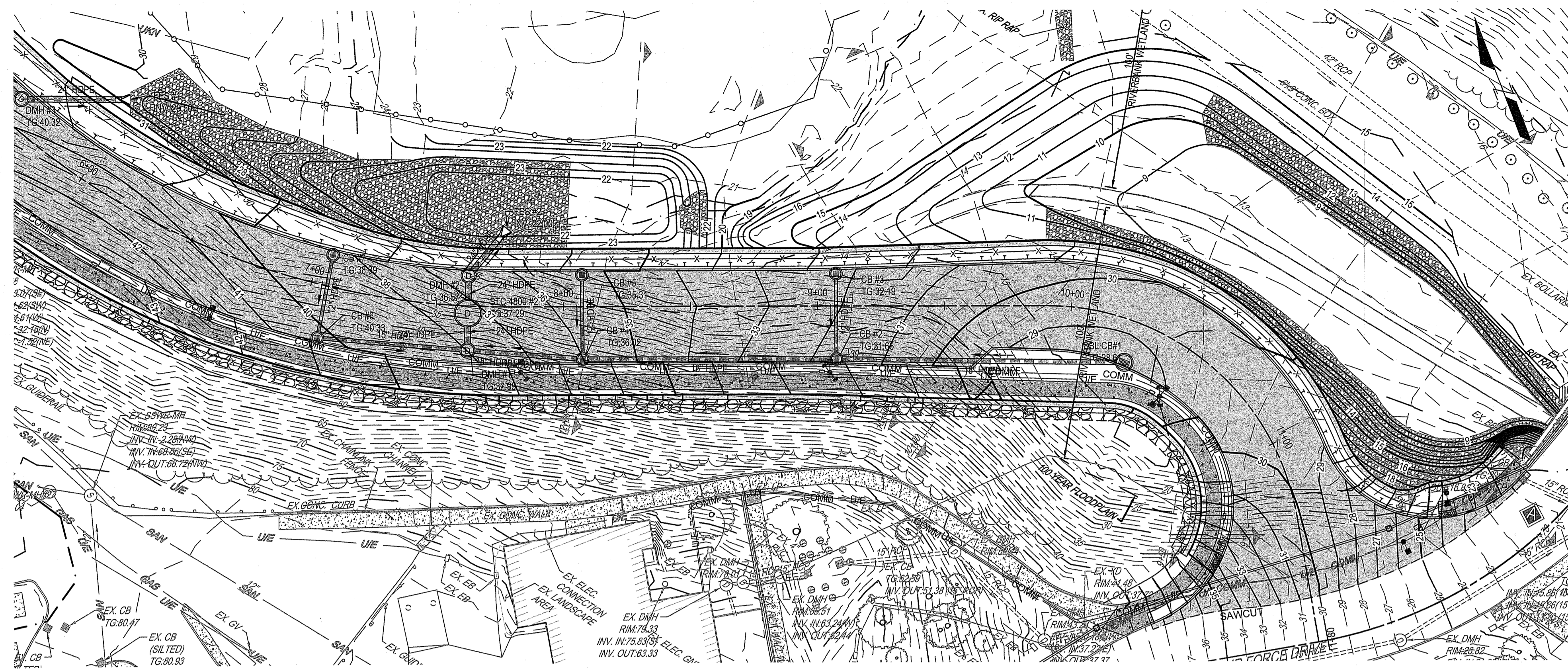
Office of Construction and Facilities Management
 VA U.S. Department of Veterans Affairs

Drawing Title
 Roadway Plan & Profile 'A'

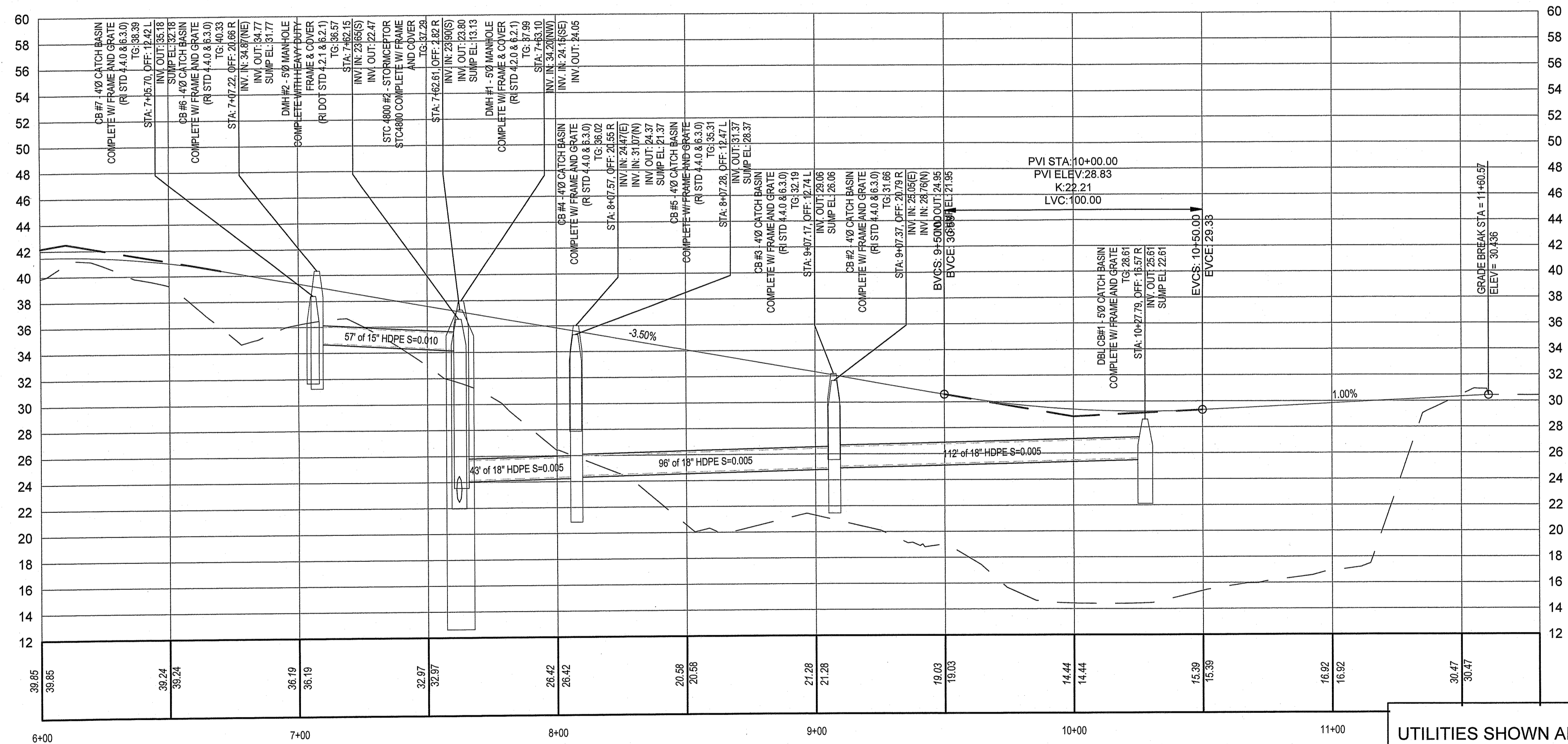
Approved: Project Director

Phase
 90% Submission
 NOT FOR CONSTRUCTION

Project Title Relocate Armed Forces Boulevard	Project Number 650-20-102
Location Providence VAMC	Building Number
Issue Date 5/1/2023	Drawing Number PP-1
Checked McManaman	Dwg. 20 of 31
Providence, RI Drawn Geary	



RELOCATED ARMED FORCES BOULEVARD - PLAN VIEW
SCALE: 1"=20'



PROFILE VIEW OF RELOCATED ARMED FORCES BLVD
HORIZONTAL SCALE: 1"=20'
VERTICAL SCALE: 1"=4'

UTILITIES SHOWN ARE APPROXIMATE
CONTRACTOR SHALL CONFIRM
LOCATION AND DEPTH IN FIELD

SITE SYMBOLS - GENERAL

- BENCHMARK #1
ELECTRIC MANHOLE
ELEV. 44.57, N.A.V.D. 1988
- BENCHMARK #2
CHISELED SQUARE IN CONC. LIGHT POLE BASE
ELEV. 19.82, N.A.V.D. 1988
- DIMENSION
- PLAN
- DETAIL SHEET
- DRAWING BLOCK TITLE WITH GRAPHIC SCALE
(SHOWN HALF ACTUAL SIZE)

SITE SYMBOLS - UTILITIES

- DRAINAGE CATCH BASIN (CB)
- DRAINAGE MANHOLE (DMH)
- GAS VALVE (GV)
- HYDRANT, FIRE (FH)
- UTILITY, ELECTRICAL MANHOLE (EMH)
- UTILITY, COMMUNICATION MANHOLE (CMH)
- UTILITY, SANITARY MANHOLE - (SSW-MH)
- UTILITY, UTILITY POLE (UP)
- UTILITY, WATER MANHOLE (WMH)
- WATER VALVE (WV)
- COMMUNICATION LINE
- ELECTRIC LINE - UNDERGROUND
- GAS LINE
- SANITARY SEWER LINE
- STEAM LINE
- STORM SEWER LINE
- UNKNOWN LINE
- WATER LINE

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS
SPECIFIED IN THE LETTER OF APPROVAL
DATED: MAR 26 2024, FILE # 22-0416
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SITE SYMBOLS - EXISTING

- APPROXIMATE PROPERTY LINE
- CENTERLINE
- CHAINLINK FENCE
- CURB LINE
- EDGE OF PAVEMENT
- FEMA FLOODPLAIN LINE
- LIMITED SURVEY AREA UNDER CONSTRUCTION
- MAJOR CONTOUR
- MINOR CONTOUR
- NRCS SOIL LINE
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- LIGHT POST (LP)
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- TREES - DECIDUOUS (DECID.)
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SITE SYMBOLS - CONCRETE/MASONRY

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SITE SYMBOLS - ABBREVIATIONS

- APPROX BLDG
- BUILDING
- BW
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- CONC
- CONCRETE
- CORRUGATED HIGH DENSITY POLYETHYLENE PIPE
- CX
- CALL BOX
- DBL
- DOUBLE
- DIP
- DUCTILE IRON PIPE
- EB
- ELECTRIC BOX
- EHH
- ELECTRIC HANDHOLE
- ELEC
- ELECTRIC
- EOP
- EDGE OF PAVEMENT
- FO
- FIBER OPTIC
- FP
- FLAG POLE
- GOVT
- GOVERNMENT
- GV
- GAS VALVE
- HDPE
- HIGH DENSITY POLY ETHYLENE
- INV
- STORMWATER PIPE END
- JB
- JUNCTION BOX
- L
- LEFT
- LF
- LINEAR FEET
- LP
- LIGHT POLE
- MH
- MANHOLE
- OFF
- OFFSET
- PLCC
- PLAIN CEMENT CONCRETE
- PVC
- POLYVINYL CHLORIDE
- RCP
- REINFORCED CONCRETE PIPE
- RCCP
- REINFORCED CONCRETE CYLINDER PIPE
- RIGHT
- RET
- RETAINING
- SF
- SQUARE FEET
- SLCPP
- SMOOTH-LINED CORRUGATED POLYETHYLENE PIPE
- STA
- STATION
- TC
- TERRA COTTA STORM PIPE
- TEMP
- TEMPORARY
- TRANS
- TRANSITION
- TW
- TOP OF WALL
- TYP
- TYPICAL
- VCP
- VITRIFIED CLAY PIPE
- W4'
- 4' WIDE WHITE PAINT LINE
- Y4'
- 4' WIDE YELLOW PAINT LINE

SITE SYMBOL - IMPROVEMENTS

- PROPOSED GRANITE CURB
- SAWTOOTH LINE
- PROPOSED LIGHT POLE
- PROPOSED LIGHT POLE W/ SECURITY CAMERAS
- PROPOSED ELECTRIC LINE
- PROPOSED COMMUNICATION LINE
- PROPOSED STORM STRUCTURES
- PROPOSED STORM PIPE
- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- CONCRETE SIDEWALK
- REINFORCED CONCRETE PAD
- FULL DEPTH PAVEMENT

STORMWATER - LEGEND

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Revisions:	4/10/2024
REVISOR:	1/11/2024
DATE:	

CONSULTANT
GEOTECHNICAL / STORMWATER:

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CHRISTOPHER W. GEARY
REGISTERED PROFESSIONAL ENGINEER (CIVIL)

Office of Construction and Facilities Management
VA U.S. Department of Veterans Affairs

Drawing Title: Roadway Plan & Profile 'B'

Phase: 90% Submission NOT FOR CONSTRUCTION

Project Title: Relocate Armed Forces Boulevard

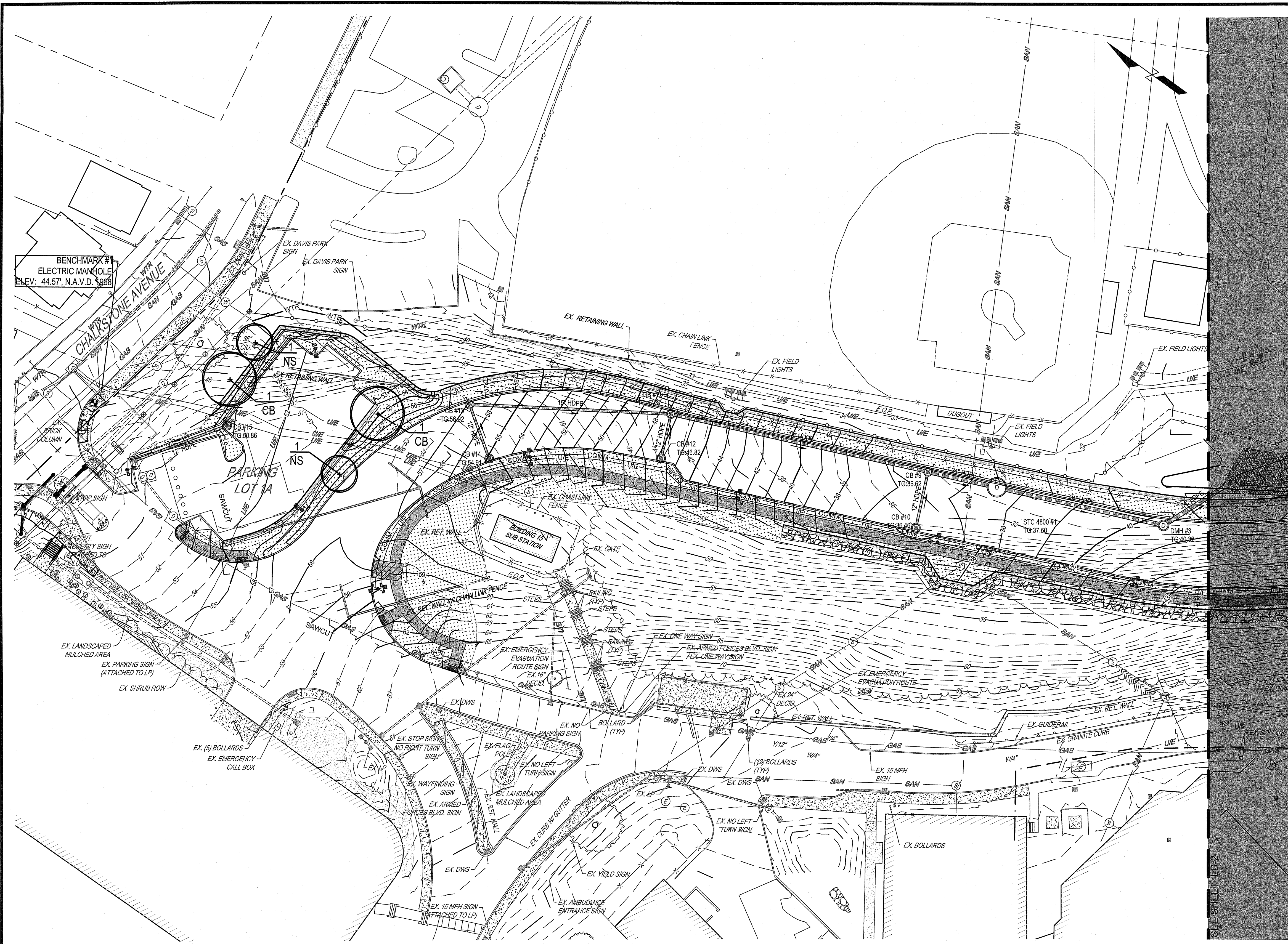
Location: Providence VAMC Providence, RI

Issue Date: 5/1/2023

Checked: McManaman
Drawn: Geary

Approved: Project Director

Project Number	650-20-102
Building Number	
Drawing Number	PP-2
Dwg. 21 of 31	



SITE SYMBOLS - GENERAL

- BENCHMARK #1
ELECTRIC MANHOLE
ELEV. 44.57', N.A.V.D. 1988
- BENCHMARK #2
CHISELED SQUARE IN CONC. LIGHT POLE BASE
ELEV. 19.82', N.A.V.D. 1988
- DIMENSION
- PLAN
- 8
DETAIL NUMBER
- 8
DETAIL SHEET
- DRAWING BLOCK TITLE WITH GRAPHIC SCALE
(SHOWN HALF ACTUAL SIZE)

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- DRAINAGE MANHOLE (DMH)
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- HYDRANT, FIRE (FH)
- UTILITY, ELECTRICAL MANHOLE (EMH)
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- SIGNAGE
- TREES - DECIDUOUS (DECID.)
- TREE - CONIFEROUS (CONF.)

SITE SYMBOLS - CONCRETE/MASONRY

- CONCRETE

SITE SYMBOLS - ABBREVIATIONS

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- BLDG BUILDING
- BW BOTTOM OF WALL AT FINISHED GRADE
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- CB CATCH BASIN
- CO CLEANOUT
- CONC CONCRETE
- CPP CORRUGATED HIGH DENSITY POLYETHYLENE PIPE
- CX CALL BOX
- DBL DOUBLE
- DIP DUCTILE IRON PIPE
- EB ELECTRIC BOX
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- ELEC ELECTRIC
- EOP EDGE OF PAVEMENT
- FP FIBER OPTIC
- FP FLAG POLE
- GOVT GOVERNMENT
- GV GAS VALVE
- HDPE HIGH DENSITY POLY ETHYLENE
- INV STORMWATER PIPE END
- JB JUNCTION BOX
- L LEFT
- LF LINEAR FEET
- LP LIGHT POLE
- MH MANHOLE
- OFF OFFSET
- PLCC PLAIN CEMENT CONCRETE
- PVC POLYVINYL CHLORIDE
- RCP REINFORCED CONCRETE PIPE
- RCCP REINFORCED CONCRETE CYLINDER PIPE
- R RIGHT
- RET RETAINING
- SF SQUARE FEET
- SLOPP SMOOTH-LINED CORRUGATED POLYETHYLENE PIPE
- STA STATION
- TC TERRA COTTA STORM PIPE
- TEMP TEMPORARY
- TRANS TRANSITION
- TW TOP OF WALL
- TYP TYPICAL
- VCP VITRIFIED CLAY PIPE
- W4 4" WIDE WHITE PAINT LINE
- Y4 4" WIDE YELLOW PAINT LINE

SITE SYMBOL - IMPROVEMENTS

- PROPOSED GRANITE CURB
- PROPOSED RETAINING WALL
- SAWCUT LINE
- CONCRETE SIDEWALK
- REINFORCED CONCRETE PAD
- PROPOSED DECIDUOUS TREE
- PROPOSED SHRUB

NOTE:
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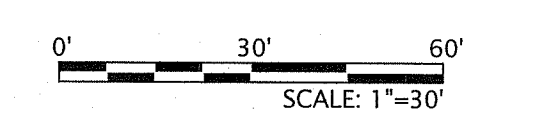
RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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DATED: MAR 26 2023 FILE #: 22-0416
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Signature: D. Benson

DECIDUOUS TREE SCHEDULE (LOT 1A)				
SYMBOL	QTY.	BOTANICAL NAME	COMMON NAME	SIZE/ CONDITIONS
CB	2	CARPINUS BETULUS	EUROPEAN HORNBEAM	2" CAL. MIN.
NS	2	NYSSA SYLVATICA	BLACK TUPELO	2" CAL. MIN.



Know what's below.
Call before you dig.



REVISIONS:	DATE:
REVIS PER RIDEM LETTER DATED 4/5/2024	4/10/2024
REVIS PER RIDEM LETTER DATED 1/11/2023	1/11/2024

CONSULTANT
GEOTECHNICAL / STORMWATER:

JCE
JOE CASALI ENGINEERING, INC.
CIVIL - SITE DEVELOPMENT - TRANSPORTATION
DRAINAGE - WETLANDS - ISDS - TRAFFIC - FLOODPLAIN
500 POST ROAD, WARWICK, RI 02888
401.844.1300 401.944.1313 FAX: WWW.JOECASALI.COM

ARCHITECT/ENGINEER OF RECORD

acela
architects + engineers
acela architects + engineers, pc office: 610.365.4023
2633 Moravian Ave. website: www.acela-ae.com
Allentown, PA 18103 email: info@acela-ae.com

CHRISTOPHER W. GEARY
No. 13726
REGISTERED PROFESSIONAL ENGINEER (CIVIL)

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: Landscaping Plan

Approved: Project Director

Phase: 90% Submission PERMIT SET, NOT FOR CONSTRUCTION

Project Title: Relocate Armed Forces Boulevard

Location: Providence VAMC Providence, RI

Issue Date: 5/1/2023

Checked: McManaman

Drawn: Geary

Project Number: 650-20-102

Building Number: -

Drawing Number: LD-1

Dwg. 22 of 31

NOTES FOR PLANTING WITHIN FLOODPLAIN COMPENSATION AREA

- UPON COMPLETION OF FINAL GRADING, THE ENTIRE COMPENSATION AREA SHALL BE LOAMED WITH EIGHT INCHES OF SOIL.
- AREAS AT OR BELOW CONTOUR ELEVATION NINE SHALL BE SEEDED WITH A NEW ENGLAND WETMIX OR RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL APPROVED EQUIVALENT MIX.
- THE REMAINING AREA SHALL BE SEEDED WITH A NORTHEAST WILDLIFE CONSERVATION MIX.
- THE AREA AT CONTOUR ELEVATION NINE SHALL BE PLANTED WITH SPECKLED ALDER (ALNUS INCANA). THE SHRUBS SHALL BE TWO TO THREE FEET IN HEIGHT AFTER PLANTING AND SPACED FIVE FEET CENTER TO CENTER.
- THE REMAINING AREA SHALL BE PLANTED WITH AN EQUAL DISTRIBUTION OF SILKY DOGWOOD (CORNUS AMOMUM) AND ARROWWOOD VIBURNUM (VIBURNUM DENTATUM). THE SHRUBS SHALL TWO TO THREE FEET IN HEIGHT AFTER PLANTING AND SPACED FIVE FEET CENTER TO CENTER.

SITE SYMBOLS - GENERAL

- BENCHMARK #1
ELECTRIC MANHOLE
ELEV. 44.57, N.A.V.D. 1988
- BENCHMARK #2
CHISELED SQUARE IN CONC. LIGHT POLE BASE
ELEV. 19.82, N.A.V.D. 1988
- PLAN SCALE: DRAWING BLOCK TITLE WITH GRAPHIC SCALE (SHOWN HALF ACTUAL SIZE)
- 8: DETAIL NUMBER
- 8: DETAIL SHEET

SITE SYMBOL - IMPROVEMENTS

- PROPOSED GRANITE CURB
- PROPOSED RETAINING WALL
- SAWCUT LINE
- CONCRETE SIDEWALK
- REINFORCED CONCRETE PAD
- RIDOT R-3 RIPRAP AT 12" THICK OR APPROVED EQUIVALENT
- PROPOSED DECIDUOUS TREE
- PROPOSED SHRUB

NOTE:
VERTICAL TEXT INDICATES PROPOSED FEATURES (PROP.)
SLANTED TEXT INDICATES EXISTING FEATURES (EX.)

SITE SYMBOLS - UTILITIES

- DRAINAGE CATCH BASIN (CB)
- DRAINAGE MANHOLE (DMH)
- GAS VALVE (GV)
- HYDRANT, FIRE (FH)
- UTILITY, ELECTRICAL MANHOLE (EMH)
- UTILITY, COMMUNICATION MANHOLE (CMH)
- UTILITY, SANITARY MANHOLE - (SSWR-MH)
- UTILITY, UTILITY POLE (UP)
- UTILITY, WATER MANHOLE (WMH)
- WATER VALVE (WV)
- COMMUNICATION LINE
- ELECTRIC LINE - UNDERGROUND
- GAS LINE
- SANITARY SEWER LINE
- STEAM LINE
- STORM SEWER LINE
- UNKNOWN LINE
- WATER LINE

SITE SYMBOLS - EXISTING

- APPROXIMATE PROPERTY LINE
- CENTERLINE
- CHAINLINK FENCE
- CURB LINE
- EDGE OF PAVEMENT
- FEMA FLOODPLAIN LINE
- LIMITED SURVEY AREA UNDER CONSTRUCTION
- MAJOR CONTOUR
- MINOR CONTOUR
- NRCS SOIL LINE
- VEGETATION
- LIGHT POST (LP)
- BOLLARD
- FLAG POLE
- SIGNAGE
- TREES - DECIDUOUS (DECID.)
- TREE - CONIFEROUS (CONF.)

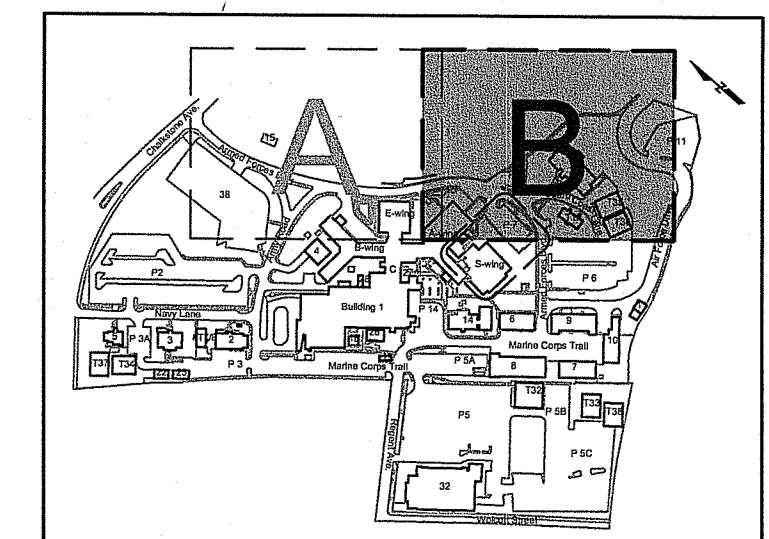
SITE SYMBOLS - CONCRETE/MASONRY

- CONCRETE

SITE SYMBOLS - ABBREVIATIONS

- APPROX BLDG: APPROXIMATELY BUILDING
- BW: BOTTOM OF WALL AT FINISHED GRADE
- CAM: CAMERA
- CB: CATCH BASIN
- CO: CLEANOUT
- CONC: CONCRETE
- CPP: CORRUGATED HIGH DENSITY POLYETHYLENE PIPE
- CX: CALL BOX
- DBL: DOUBLE
- DIP: DUCTILE IRON PIPE
- EB: ELECTRIC BOX
- EHB: ELECTRIC HANDHOLE
- ELEC: ELECTRIC
- EOP: EDGE OF PAVEMENT
- FO: FIBER OPTIC
- FP: FLAG POLE
- GOVT: GOVERNMENT
- GV: GAS VALVE
- HDPPE: HIGH DENSITY POLY ETHYLENE
- INV: STORMWATER PIPE END
- JB: JUNCTION BOX
- L: LEFT
- LF: LINEAR FEET
- LP: LIGHT POLE
- MH: MANHOLE
- OFF: OFFSET
- PLCC: PLAIN CEMENT CONCRETE
- PVC: POLYVINYL CHLORIDE
- RCP: REINFORCED-CONCRETE PIPE
- RCCP: REINFORCED CONCRETE CYLINDER PIPE
- R: RIGHT
- RET: RETAINING
- SF: SQUARE FEET
- SCLCPP: SMOOTH-LINED CORRUGATED POLYETHYLENE PIPE
- STA: STATION
- TC: TERRA COTTA STORM PIPE
- TEMP: TEMPORARY
- TRANS: TRANSITION
- TW: TOP OF WALL
- TYP: TYPICAL
- VCP: VITRIFIED CLAY PIPE
- W4": 4" WIDE WHITE PAINT LINE
- Y4": 4" WIDE YELLOW PAINT LINE

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS
SPECIFIED IN THE LETTER OF APPROVAL
DATED: MARCH 26 2025 FILE #: 22-0116
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE



KEY MAP
1"=50'



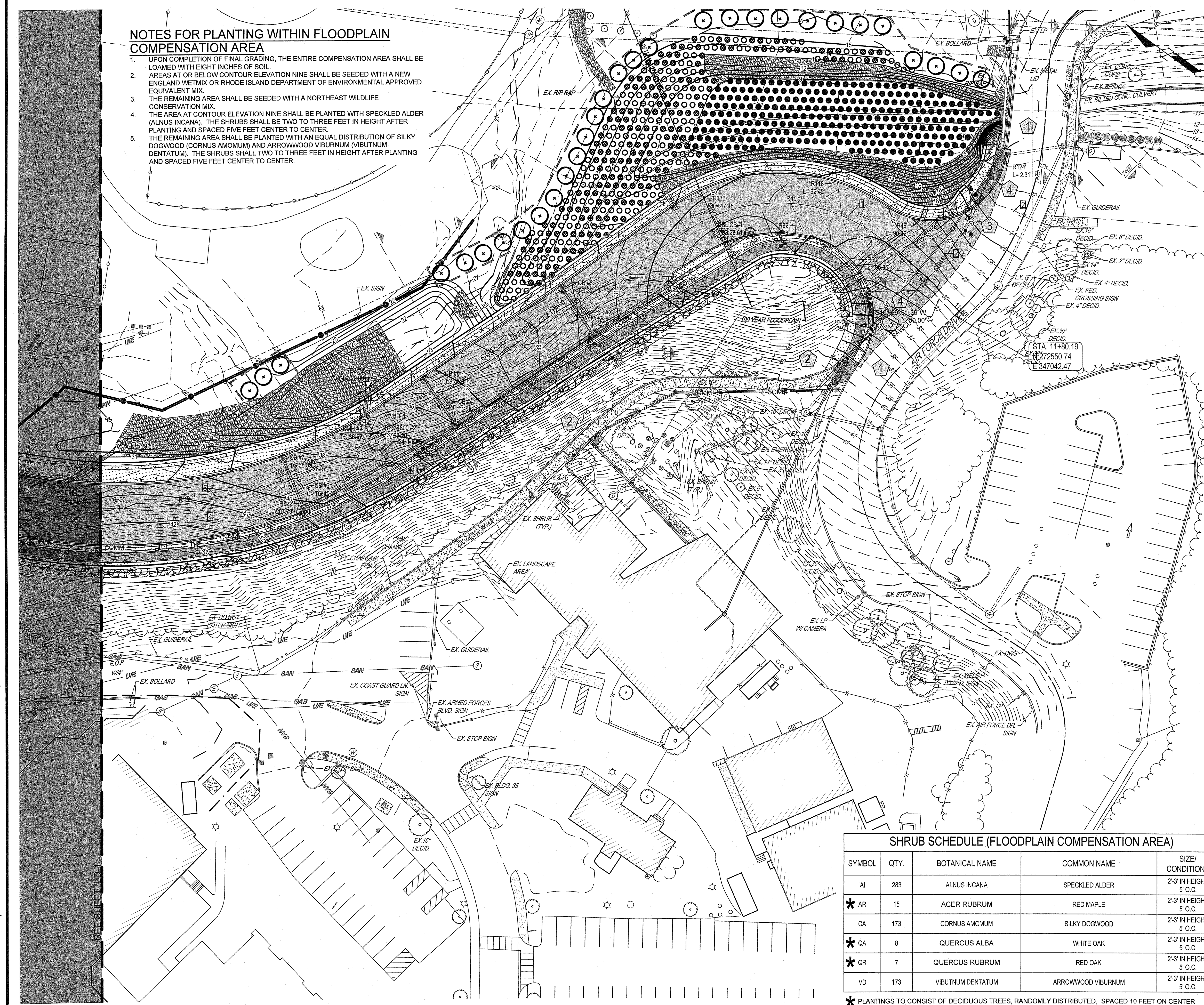
Know what's below.
Call before you dig.

0' 30' 60'
SCALE: 1"=30'

SHRUB SCHEDULE (FLOODPLAIN COMPENSATION AREA)

SYMBOL	QTY.	BOTANICAL NAME	COMMON NAME	SIZE/ CONDITIONS
AI	283	ALNUS INCANA	SPECKLED ALDER	2'-3" IN HEIGHT 5' O.C.
*AR	15	ACER RUBRUM	RED MAPLE	2'-3" IN HEIGHT 5' O.C.
CA	173	CORNUS AMOMUM	SILKY DOGWOOD	2'-3" IN HEIGHT 5' O.C.
*QA	8	QUERCUS ALBA	WHITE OAK	2'-3" IN HEIGHT 5' O.C.
*QR	7	QUERCUS RUBRUM	RED OAK	2'-3" IN HEIGHT 5' O.C.
VD	173	VIBURNUM DENTATUM	ARROWWOOD VIBURNUM	2'-3" IN HEIGHT 5' O.C.

* PLANTINGS TO CONSIST OF DECIDUOUS TREES, RANDOMLY DISTRIBUTED, SPACED 10 FEET ON CENTER



CONSULTANT
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2633 Moravian Ave.
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email: info@acela-ae.com

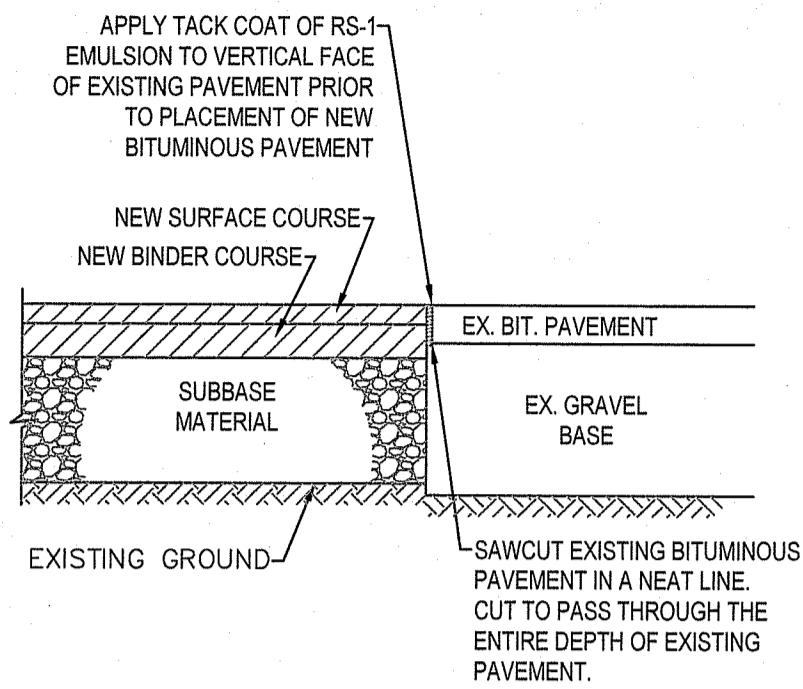
Office of
Construction
and Facilities
Management
VA U.S. Department
of Veterans Affairs

Drawing Title
Landscaping Plan
Approved: Project Director

Phase
90% Submission
PERMIT SET,
NOT FOR CONSTRUCTION

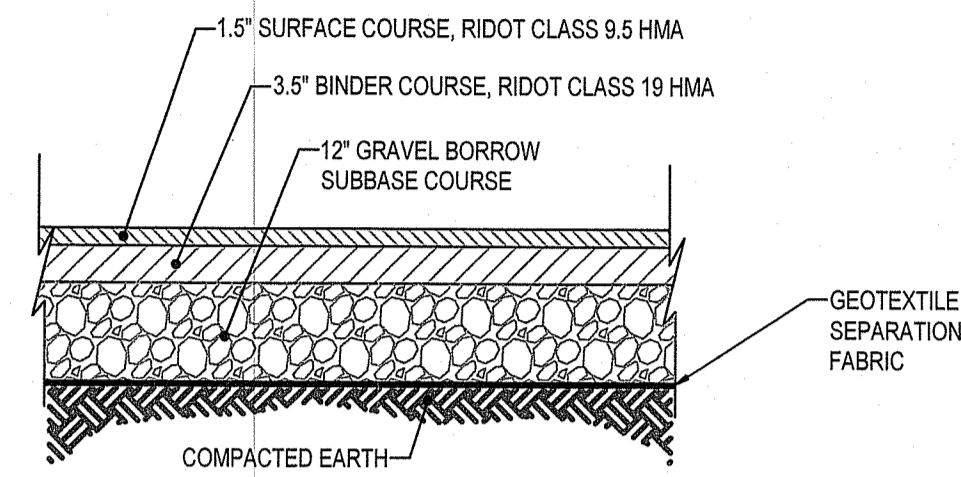
Project Title
Relocate Armed Forces Boulevard
Project Number
650-20-102
Building Number
Drawing Number
LD-2
Dwg. 23 of 31

Revisions:
REVISED PER RIDEM LETTER DATED 4/5/2024
REVISED PER RIDEM LETTER DATED 1/11/2024
Date: 4/10/2024
1/11/2024



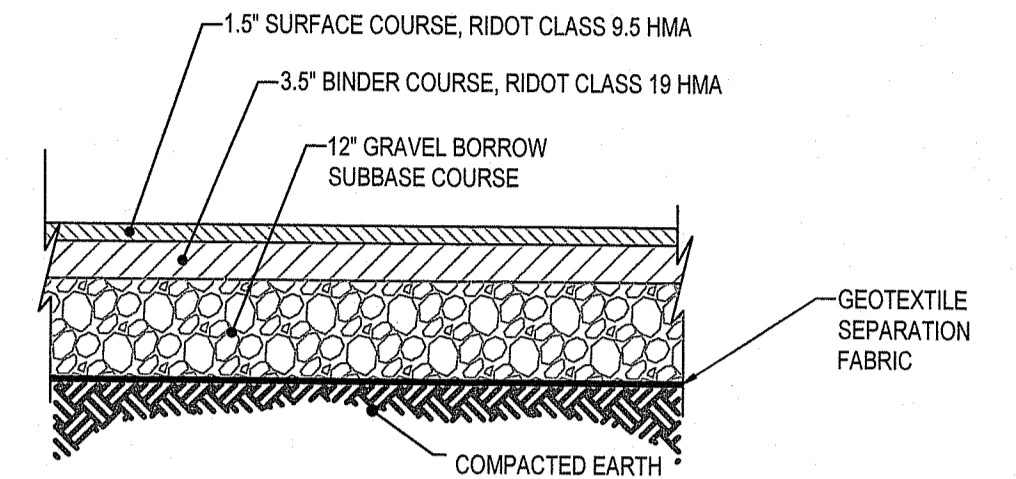
PAVEMENT MATCH DETAIL

N.T.S.



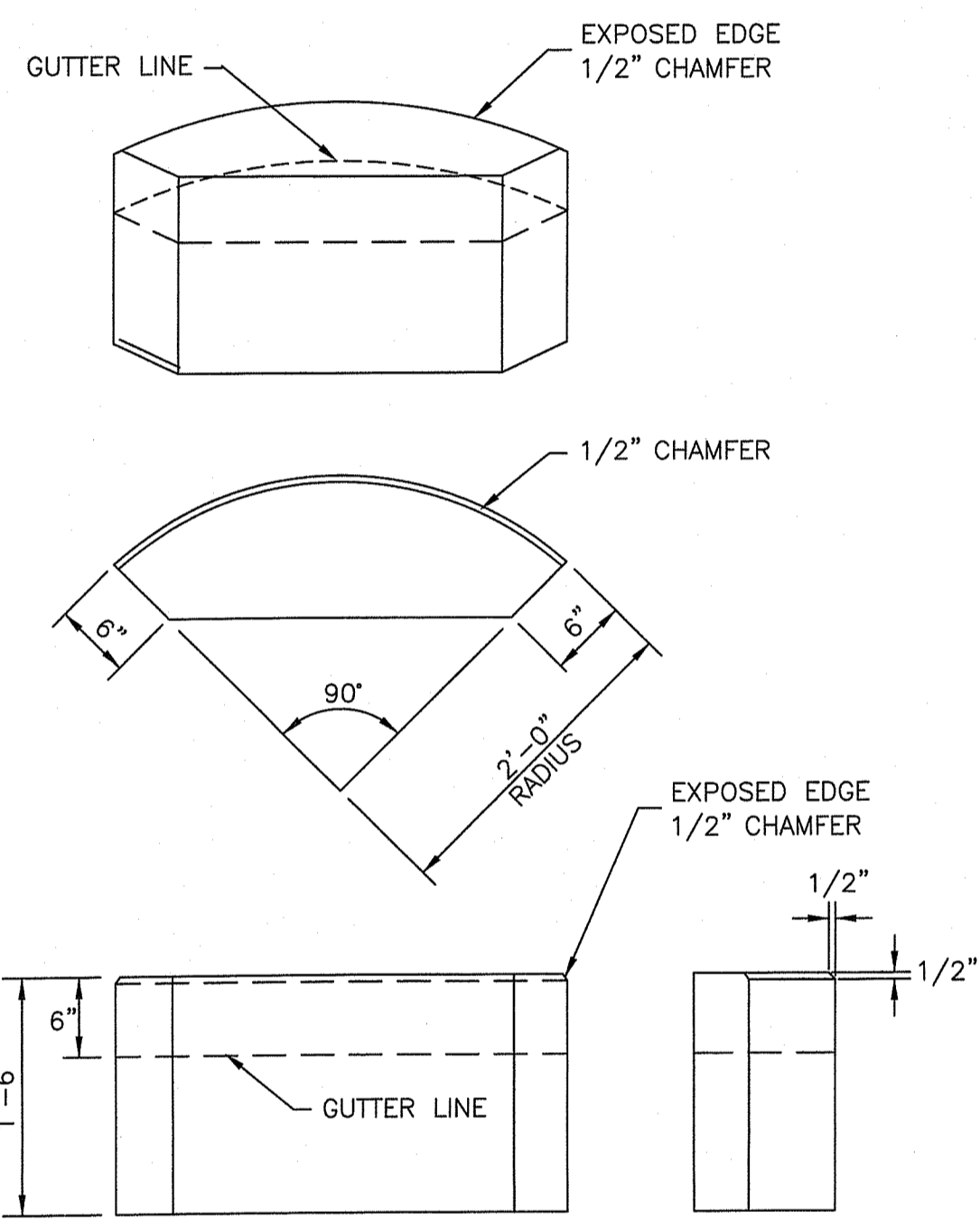
ROADWAY PAVEMENT SECTION

N.T.S.



PARKING LOT PAVEMENT SECTION

N.T.S.



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

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

GRANITE 2'-0" RADIUS CORNER

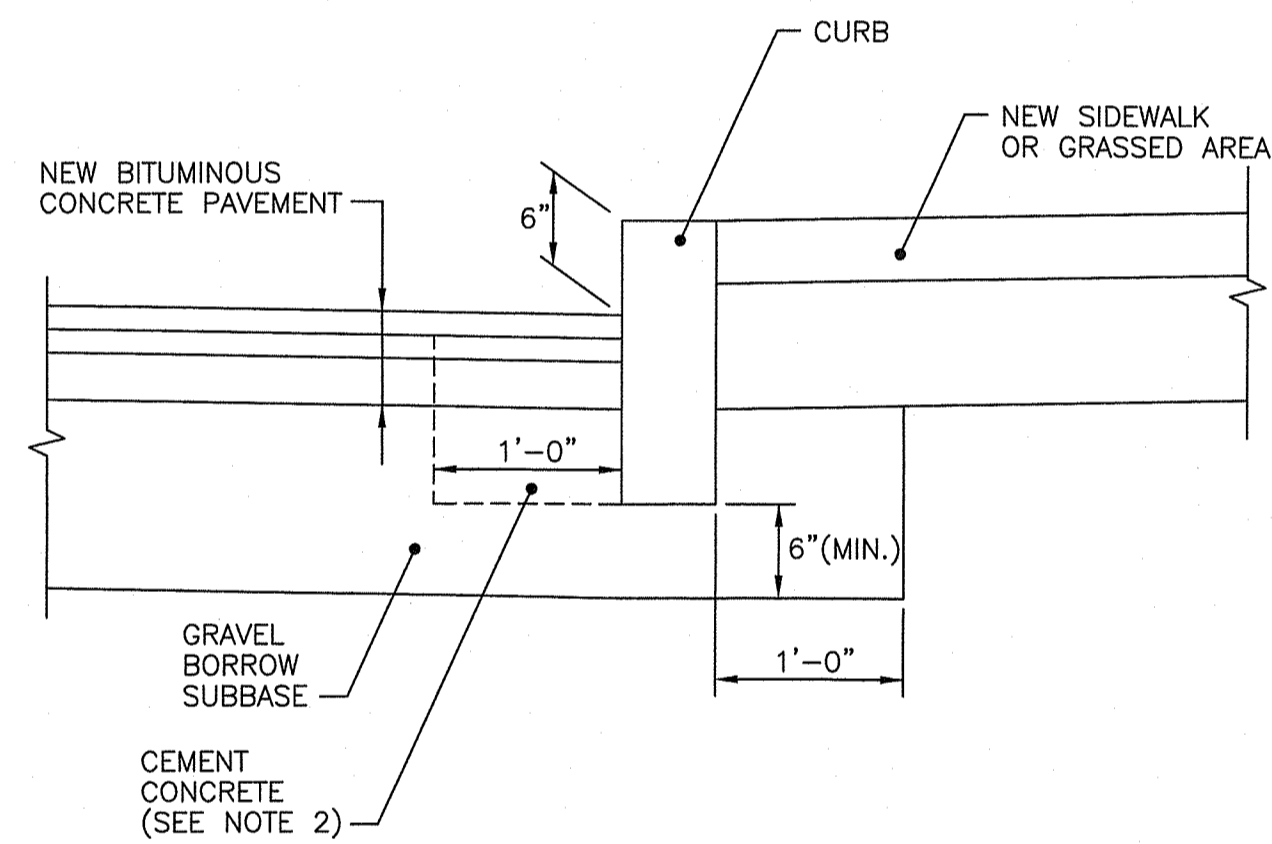
R.I. STANDARD 7.3.4

NO.	BY	DATE
1	MLP	Mar 2005
2	MLP	Sep 2012

Joseph A. Casali
CHIEF ENGINEER
TRANSPORTATION

Edmund P. Ruffalo
CHIEF DESIGN ENGINEER
TRANSPORTATION

JUNE 15, 1998
ISSUE DATE



NOTES:
1. SHALL BE IN ACCORDANCE WITH SECTION 906 OF THE R.I. STANDARD SPECIFICATIONS.
2. CEMENT CONCRETE SHALL BE USED ONLY WHEN THE CURB IS SET AFTER THE BASE AND/OR BINDER COURSES ARE IN PLACE, OTHERWISE THE CEMENT CONCRETE WILL BE ELIMINATED AND THE GRAVEL BROUGHT UP TO BOTTOM OF THE BASE COURSE.

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

CURB SETTING DETAIL

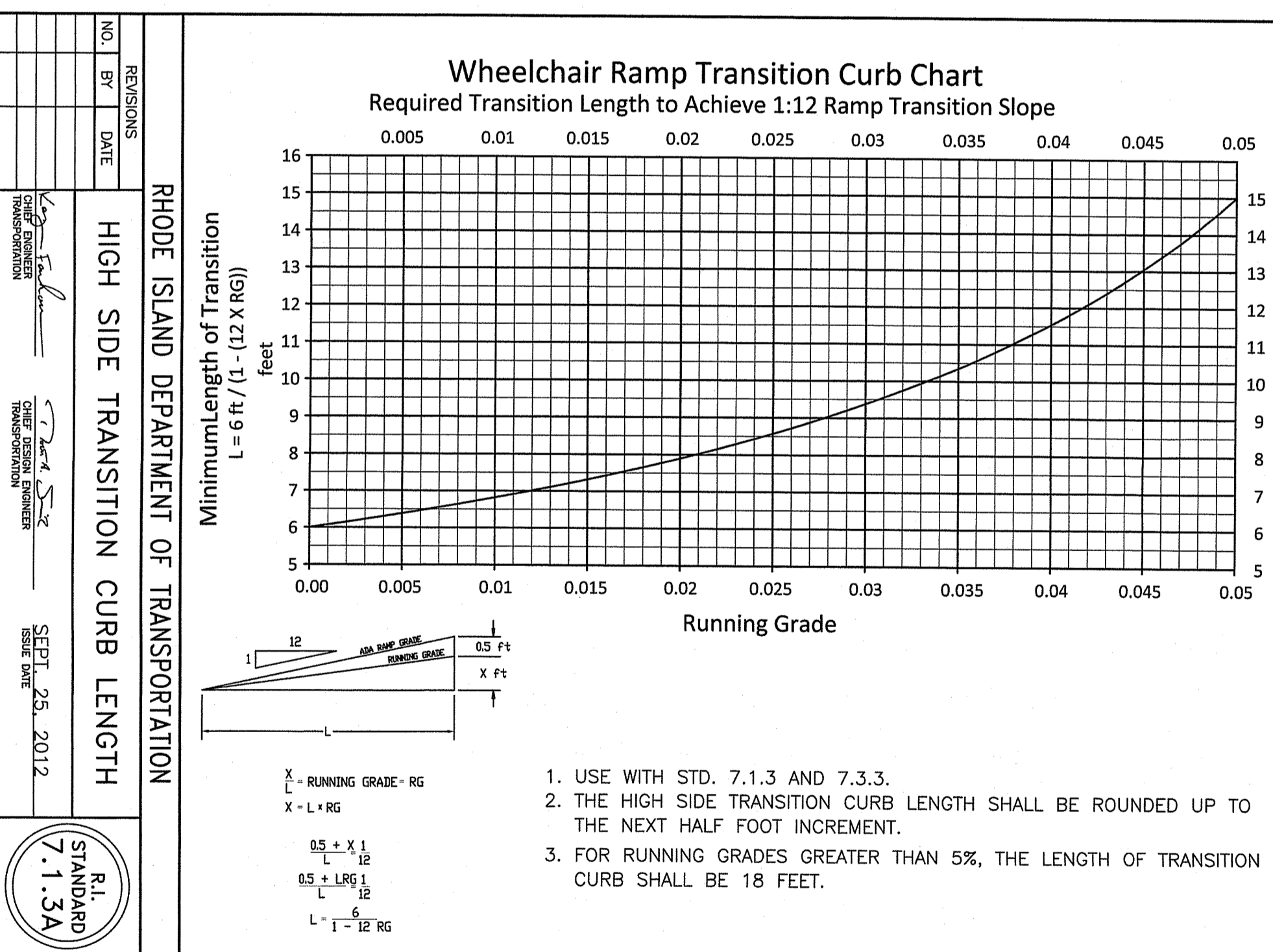
R.I. STANDARD 7.6.0

NO.	BY	DATE
1	MLP	Mar 05

Joseph A. Casali
CHIEF ENGINEER
TRANSPORTATION

Edmund P. Ruffalo
CHIEF DESIGN ENGINEER
TRANSPORTATION

JUNE 15, 1998
ISSUE DATE



HIGH SIDE TRANSITION CURB LENGTH

N.T.S.
SOURCE: RHODE ISLAND STANDARD 7.1.3A

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL
DATED: MAR 26 2024 FILE #: 22-046
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

NO.	BY	DATE
1	MLP	Mar 2005
2	MLP	Sep 2012
3	MLP	4/10/2024
4	MLP	1/11/2024

CONSULTANT
GEOTECHNICAL / STORMWATER:

JCE
JOE CASALI ENGINEERING, INC.
CIVIL - SITE DEVELOPMENT - TRANSPORTATION
DRAINAGE - WETLANDS - ISDS - TRAFFIC - FLOODPLAIN
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ARCHITECT/ENGINEER OF RECORD

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2633 Moravian Ave. website: www.acela-ae.com
Allentown, PA 18103 email: info@acela-ae.com

CHRISTOPHER W. GEARY
No. 43726
REGISTERED PROFESSIONAL ENGINEER (CIVIL)

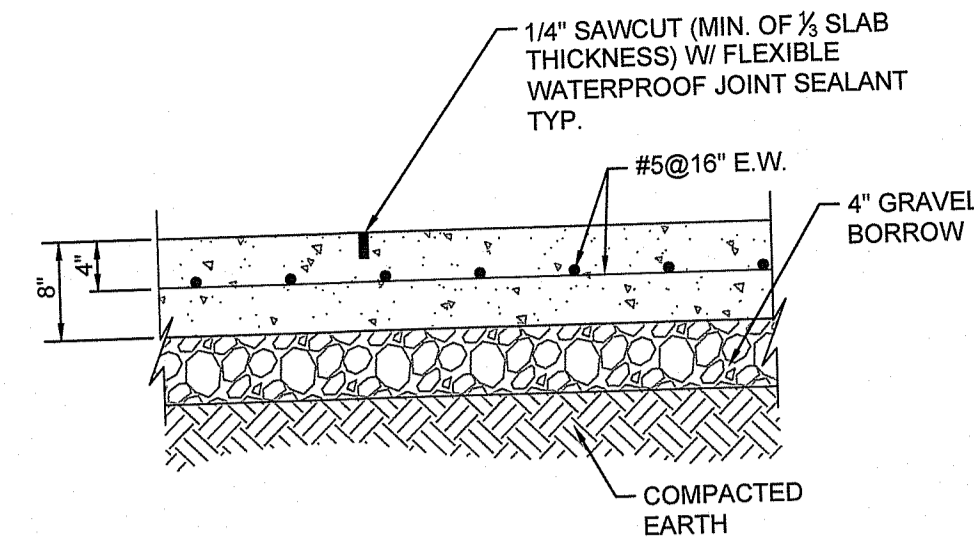
Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: Construction Details
Phase: 90% Submission NOT FOR CONSTRUCTION
Approved: Project Director

Project Title: Relocate Armed Forces Boulevard
Project Number: 650-20-102
Building Number: -
Drawing Number: DE-1
Dwg. 24 of 31

Location: Providence VAMC Providence, RI
Issue Date: 5/1/2023
Checked: McManaman
Drawn: Geary

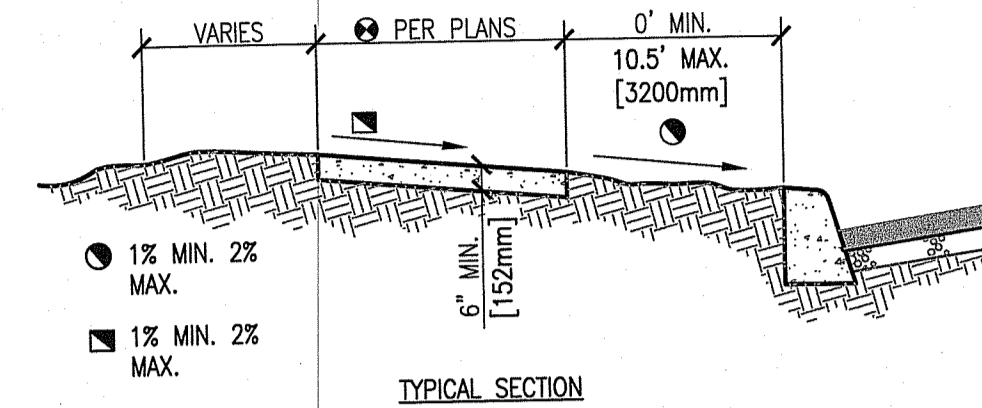
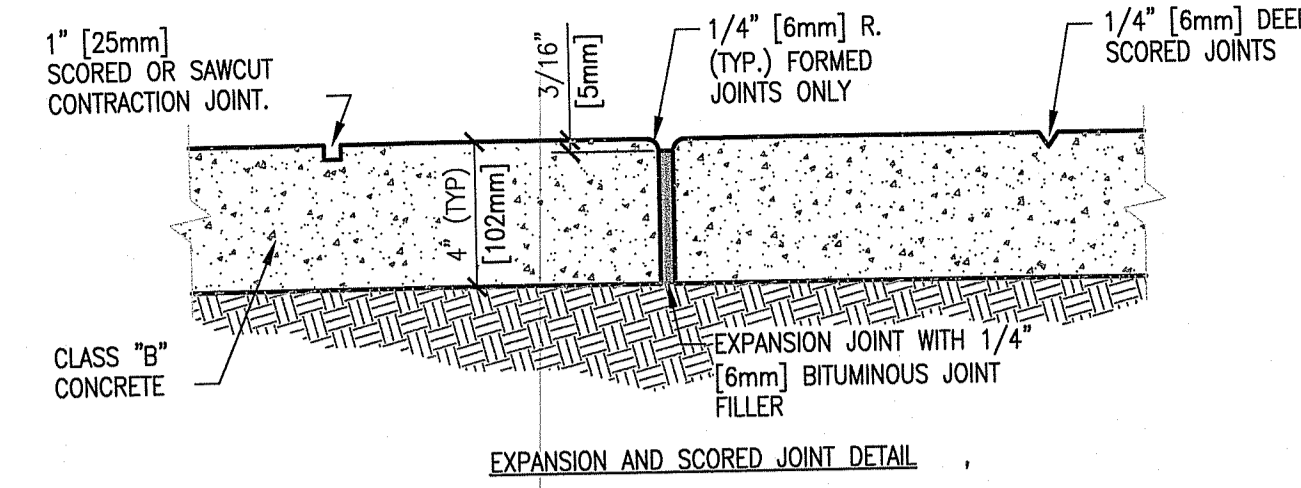


NOTE: ALL REBAR TO BE EPOXY COATED

- NOTES:
- JOINT SPACING SHALL BE 24 TO 36 TIMES THE THICKNESS OF THE SLAB BUT SHALL NOT EXCEED 15 FEET.
 - EXPANSION JOINTS SHALL HAVE A MAXIMUM SPACING OF 20 FT.
 - CONTRACTION JOINT GROOVES SHALL HAVE A MINIMUM DEPTH OF 1/4 THE THICKNESS OF THE SLAB.
 - EXPANSION JOINTS SHALL BE USED TO ISOLATE THE SLAB FROM OTHER STRUCTURES SUCH AS WALLS, FOOTINGS, SIDEWALK, COLUMNS, CURBS, ASPHALT, ETC.
 - APPLY WATER REPELLENT PER SPECIFICATION SECTION 07 19 00.
 - ALL AGGREGATE DEPTHS SHOWN ARE AFTER BEING FULLY COMPACTED.
 - UNUSABLE SOILS SHALL BE OVEREXCAVATED BY A MINIMUM DEPTH OF 12 INCHES AND APPROVED BY THE GEOTECHNICAL ENGINEER OF RECORD.
 - THE CONTRACTOR SHALL NOT PLACE THE STEEL ON THE GROUND AND LIFT AFTER THE CONCRETE HAS BEEN PLACED. THE REBAR MUST BE ON CHAIRS AS NOTED IN THE DETAIL.
 - ALL NEW VEHICULAR CONCRETE SHALL BE 4,000 PSI, MINIMUM 6\"/>

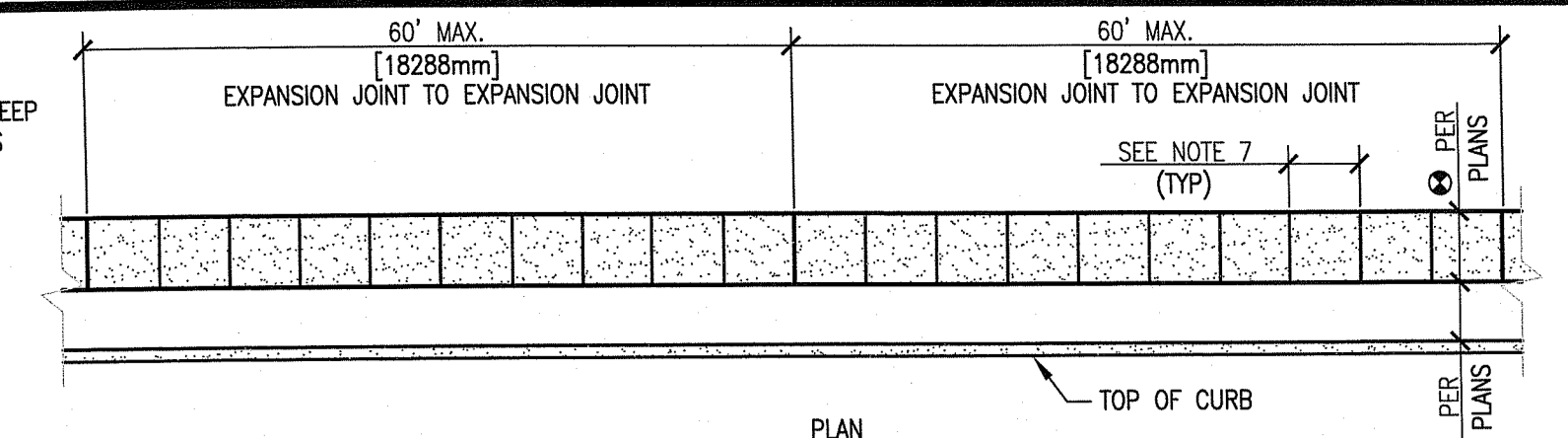
REINFORCED CONCRETE PAD

N.T.S.



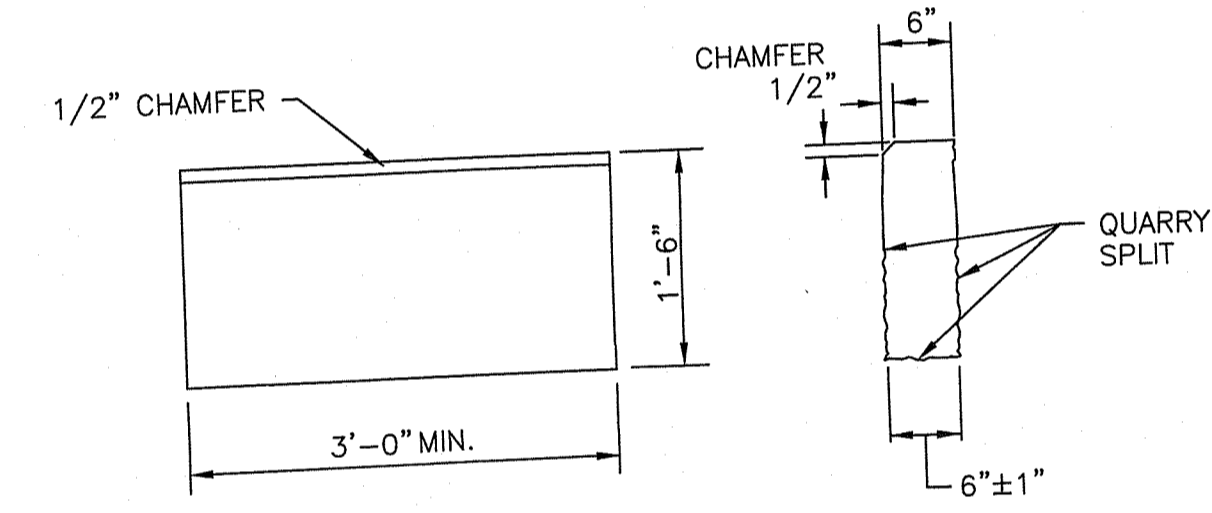
CONCRETE SIDEWALK JOINT SPACING

N.T.S.
SOURCE: VA STANDARD DETAIL NO. SD320523-18 (MODIFIED)



- NOTES:
- EXPANSION JOINTS SHALL BE LOCATED WHERE SIDEWALK ABUTS CONCRETE DRIVEWAYS, CURB OR OTHER ADJACENT STRUCTURES.
 - ONE-HALF INCH BITUMINOUS JOINT FILLER SHALL BE INSTALLED AT EXPANSION JOINT LOCATIONS AND SHALL EXTEND THE FULL DEPTH OF THE CONCRETE.
 - 1\"/>

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL
DATED: MAR 26 2025 FILE #: 22-016
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

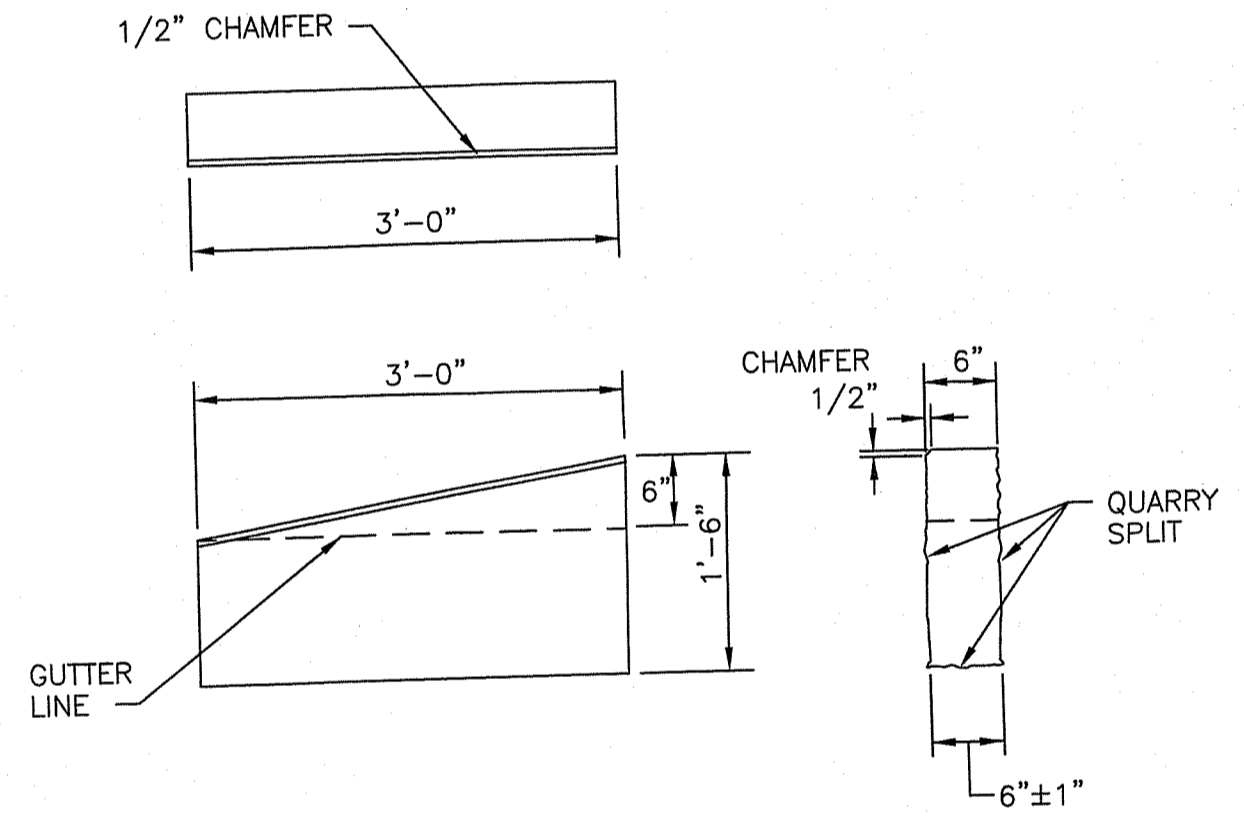


CIRCULAR CURB

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

RHODE ISLAND DEPARTMENT OF TRANSPORTATION
GRANITE CURB
R.I. STANDARD 7.3.0
REVISIONS: 1 MLP Mar 2005, 2 MLP Sep 2012
JAMES H. COPELAND, CHIEF DESIGN ENGINEER
JUNE 15, 1998

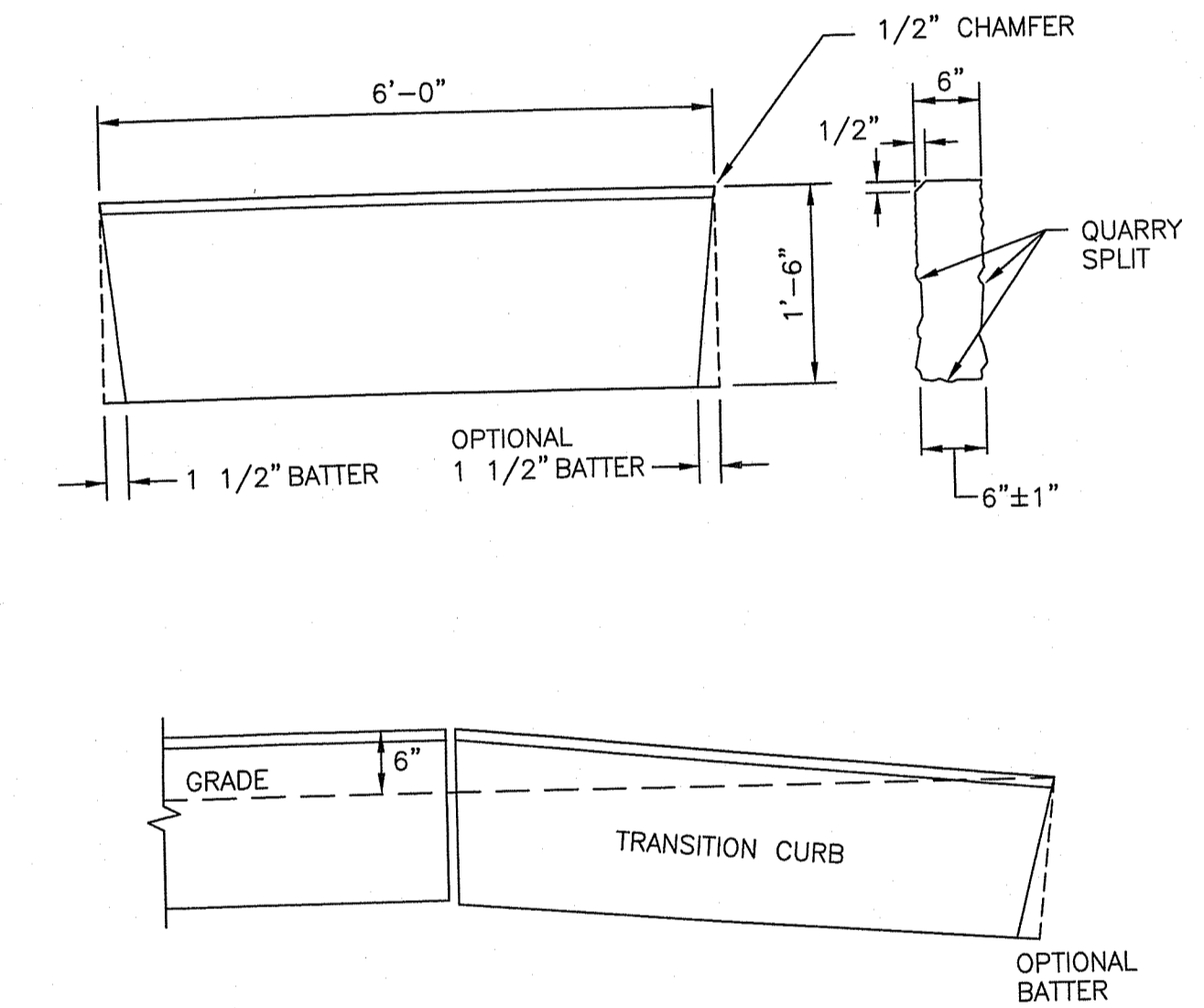
GRANITE CURB
N.T.S.
SOURCE: RHODE ISLAND STANDARD 7.3.0



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

RHODE ISLAND DEPARTMENT OF TRANSPORTATION
3'-0\"/>

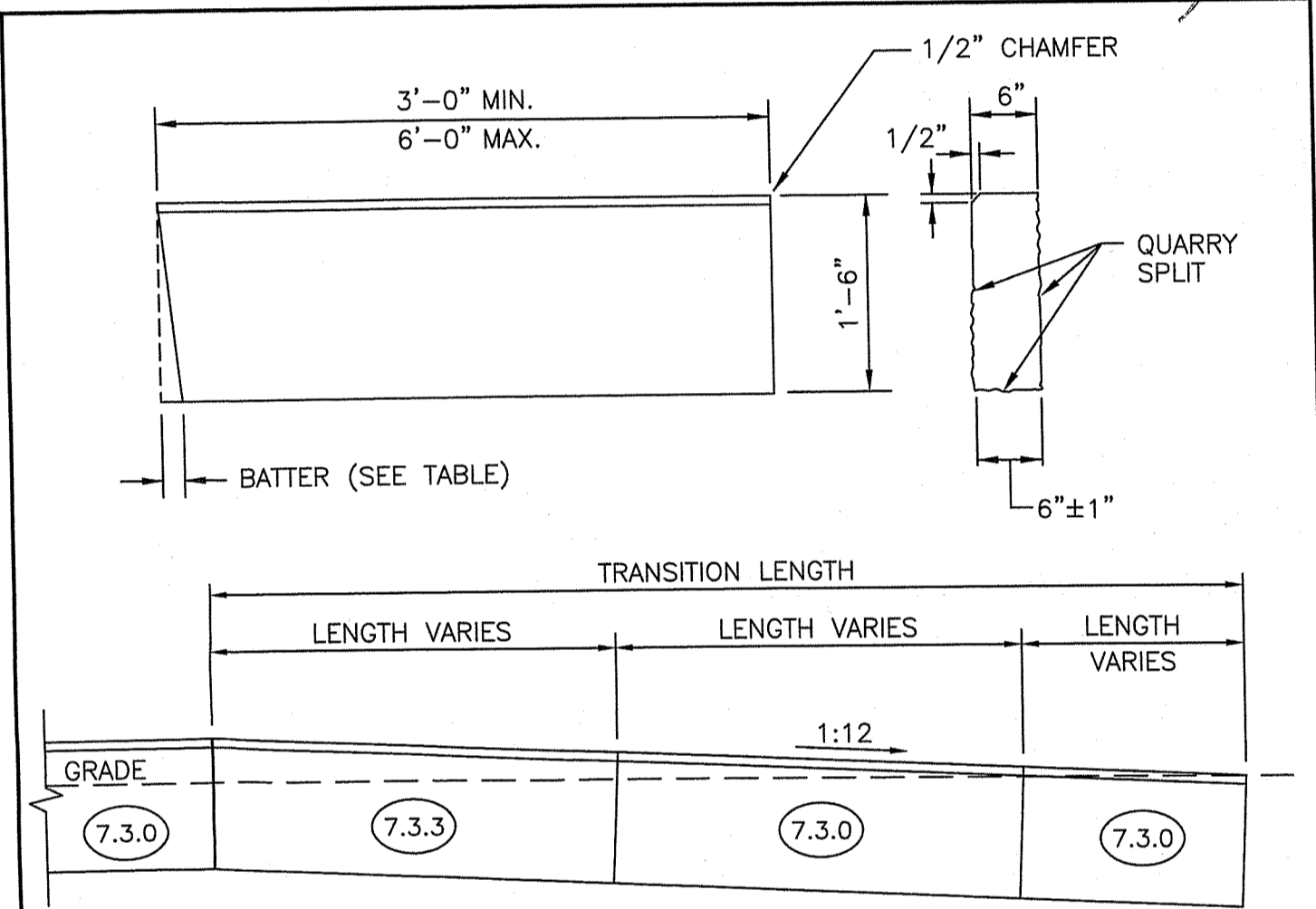
3'-0\"/>



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

RHODE ISLAND DEPARTMENT OF TRANSPORTATION
6'-0\"/>

6'-0\"/>



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

- NOTES:
- SHALL BE IN ACCORDANCE WITH SECTION 906 OF THE R.I. STANDARD SPECIFICATIONS.
 - 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.
 - MINIMUM LENGTH OF STRAIGHT OR CIRCULAR CURB FILLER PIECES TO BE 3'-0\"/>

RHODE ISLAND DEPARTMENT OF TRANSPORTATION
GRANITE WHEELCHAIR RAMP TRANSITION CURB
R.I. STANDARD 7.3.3
REVISIONS: 1 MLP Mar 2005, 2 MLP Jun 2012
JAMES H. COPELAND, CHIEF DESIGN ENGINEER
JUNE 15, 1998

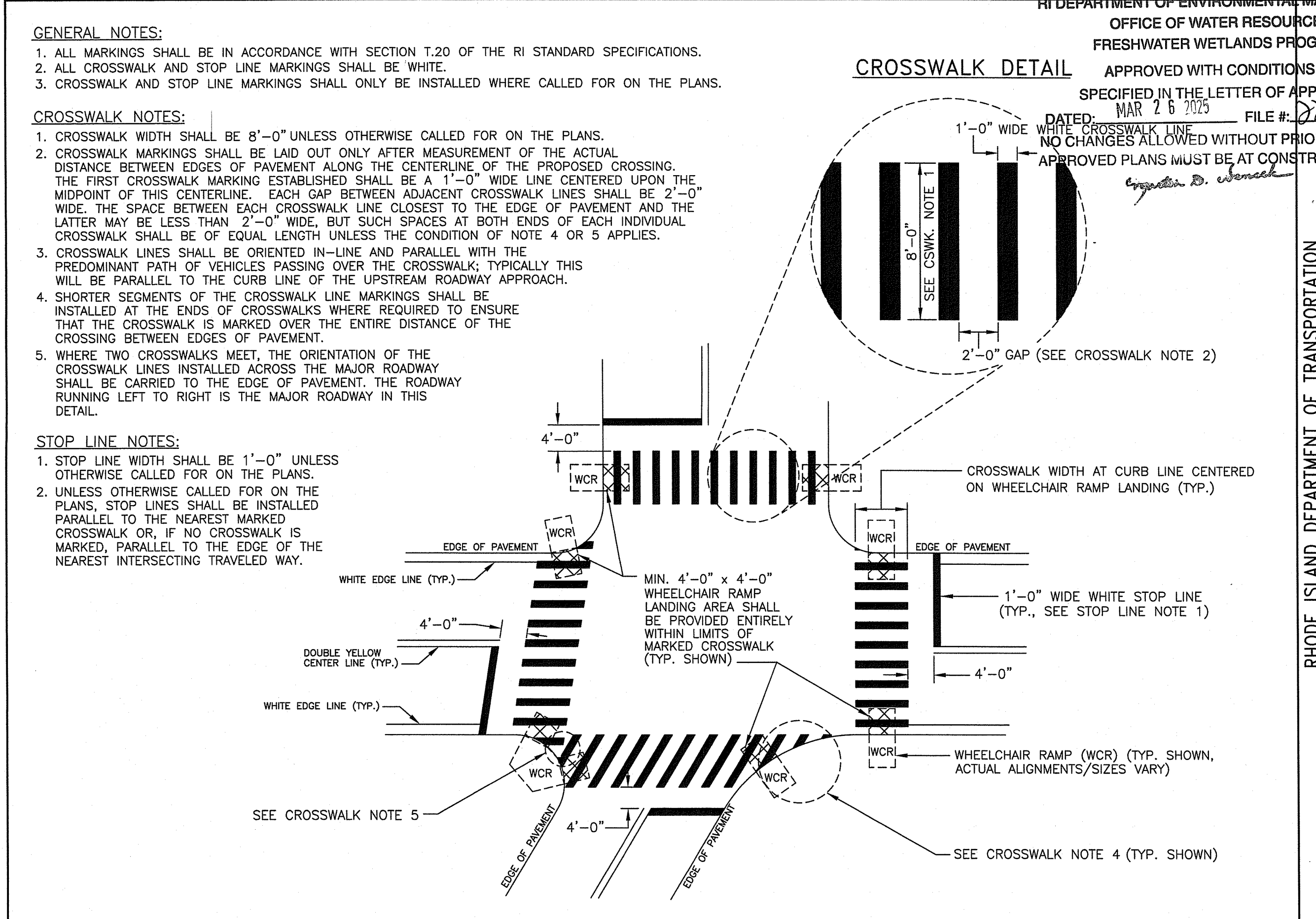
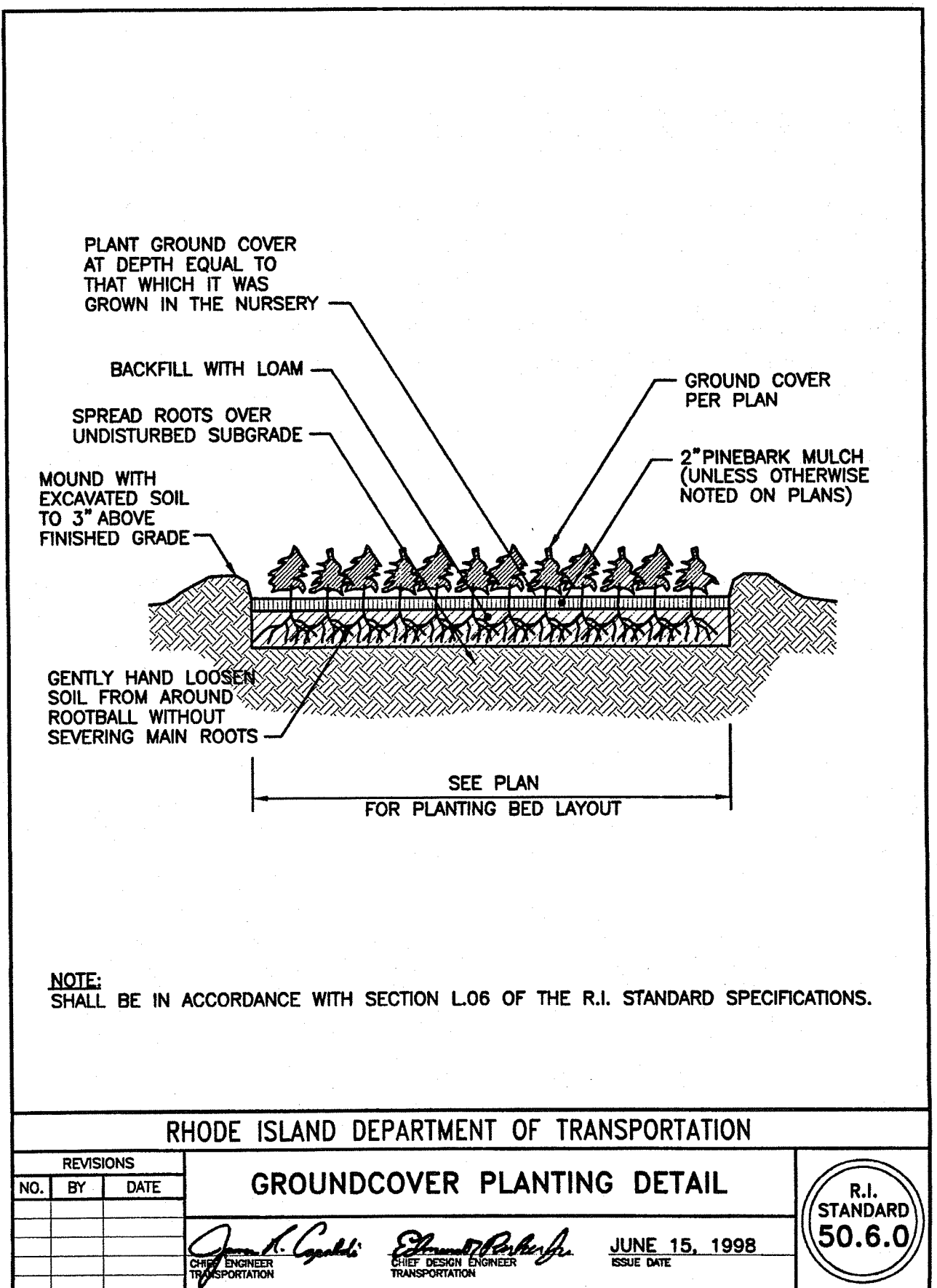
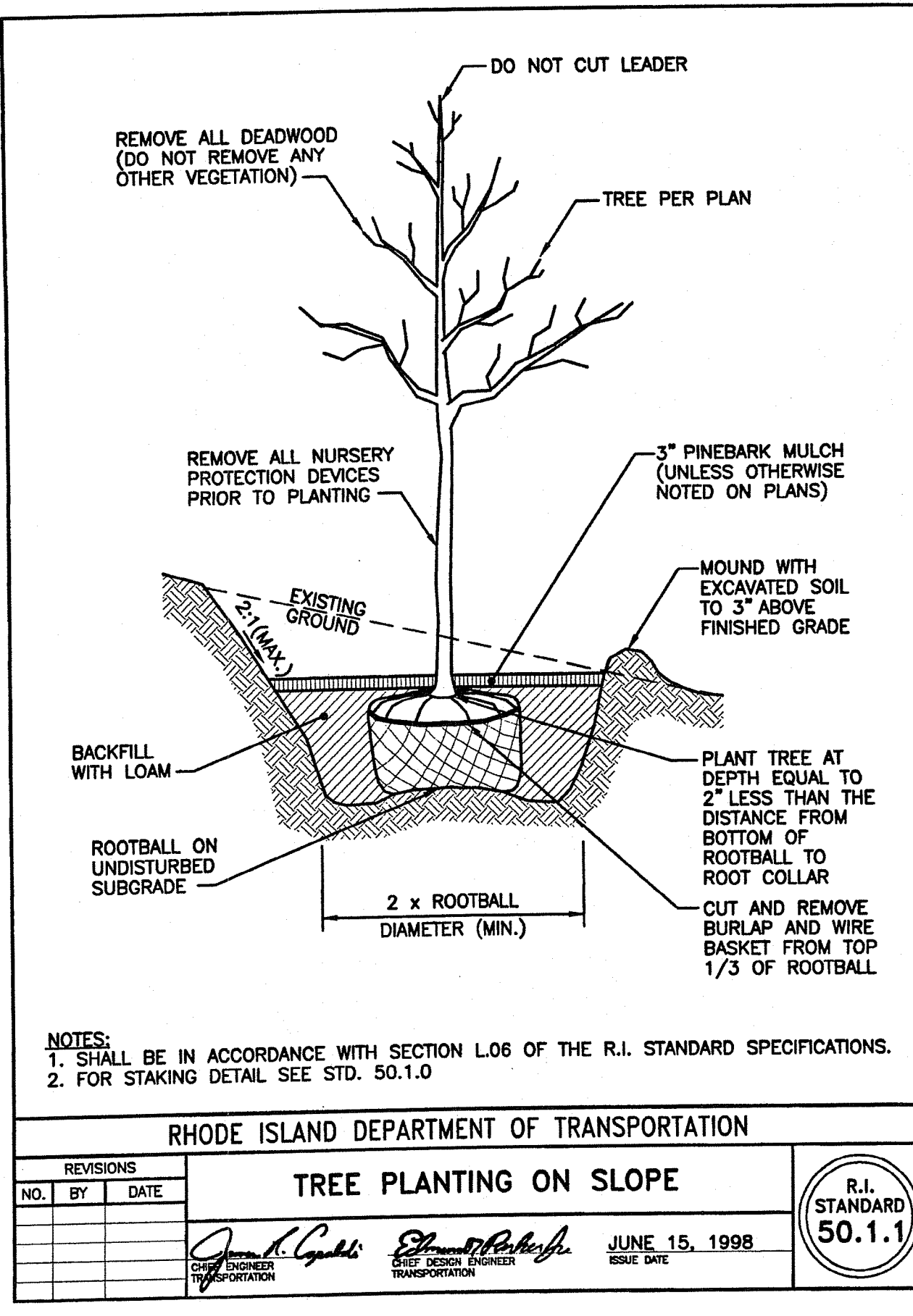
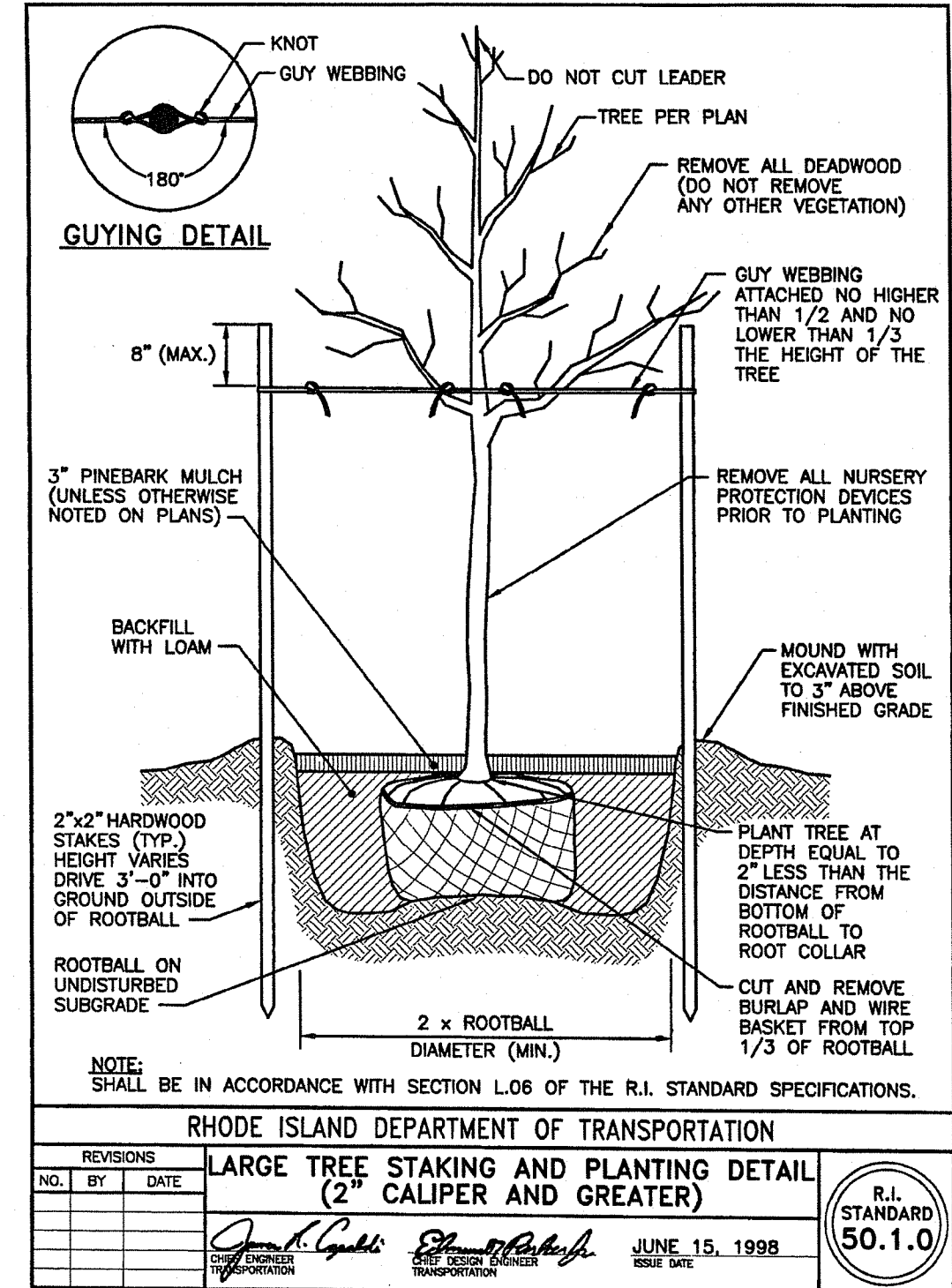
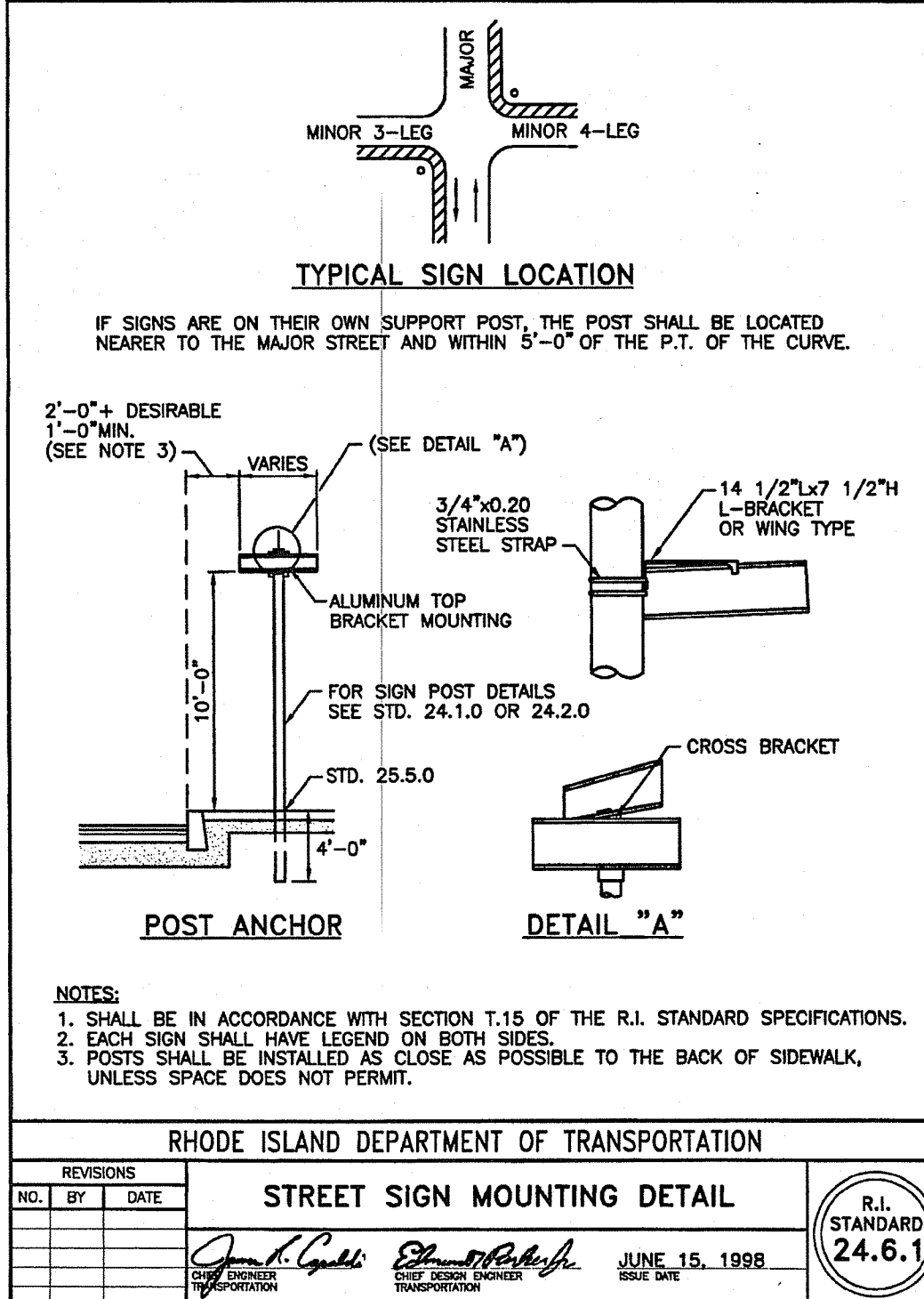
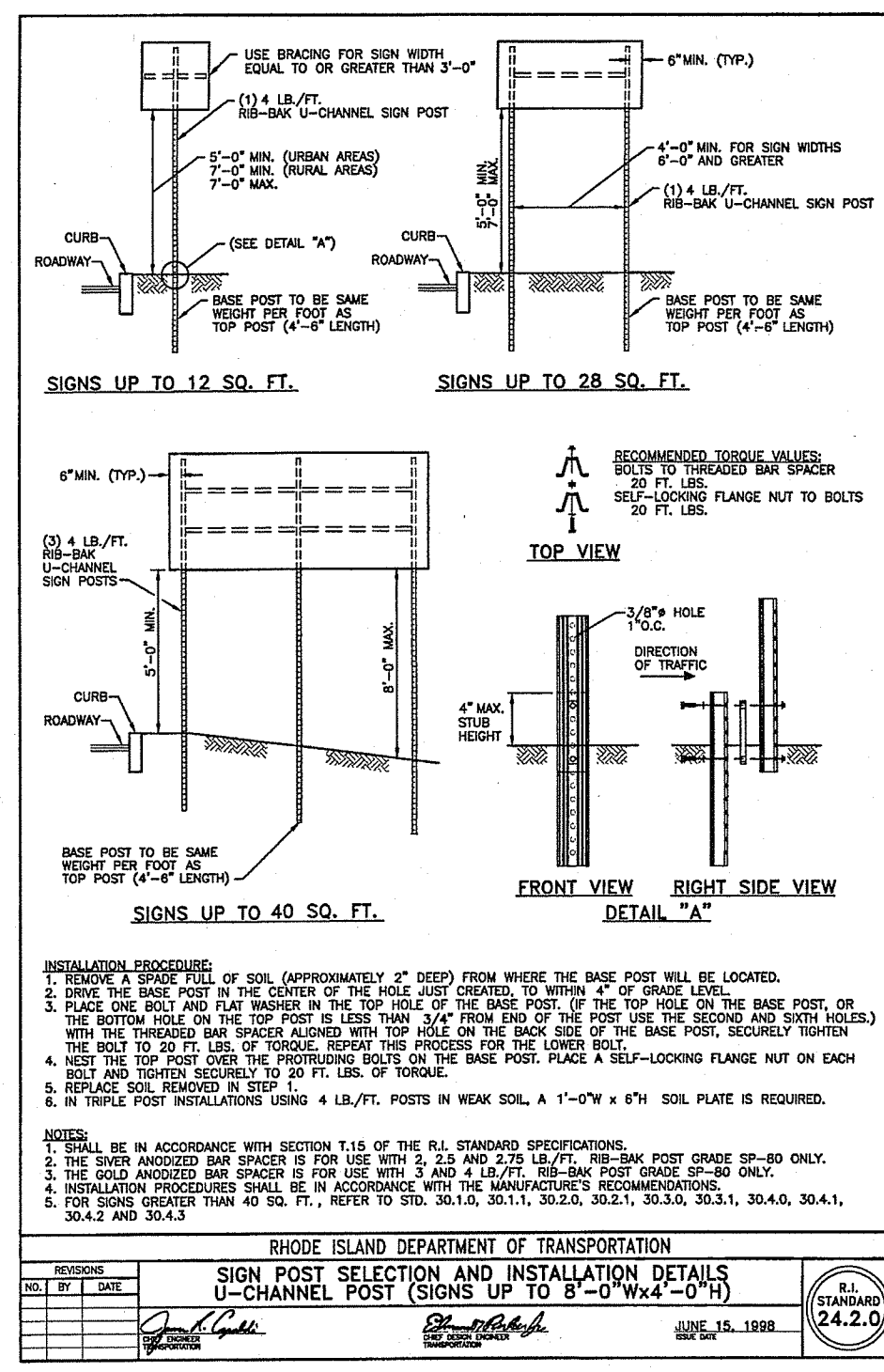
GRANITE WHEELCHAIR RAMP TRANSITION CURB
N.T.S.
SOURCE: RHODE ISLAND STANDARD 7.3.3

Revisions: REVISED PER RIDEM LETTER DATED 4/5/2024 REVISED PER RIDEM LETTER DATED 1/12/2023	Date: 4/10/2024 1/11/2024	CONSULTANT JCE JOE CASALI ENGINEERING, INC. CIVIL - SITE DEVELOPMENT - TRANSPORTATION DRAINAGE - WETLANDS - ISDS - TRAFFIC - FLOODPLAIN 300 POST ROAD, WARWICK, RI 02886 (401) 866-1200 (401) 866-1213 FAX WWW.JCEONLINE.COM	ARCHITECT/ENGINEER OF RECORD acela architects + engineers acela architects + engineers, pc office: 610.365.4023 2633 Moravian Ave. website: www.acela-ae.com Allentown, PA 18103 email: info@acela-ae.com	CHRISTOPHER W. GEARY REGISTERED PROFESSIONAL ENGINEER (CIVIL)	Office of Construction and Facilities Management VA U.S. Department of Veterans Affairs	Drawing Title Construction Details	Phase 90% Submission NOT FOR CONSTRUCTION	Project Title Relocate Armed Forces Boulevard	Project Number 650-20-102
						Approved: Project Director	Location Providence VAMC Issue Date 5/1/2023	Providence, RI Checked McManaman Drawn Geary	Drawing Number DE-2 Dwg. 25 of 31

REVISIONS	NO.	BY	DATE

NO.	BY	DATE

RHODE ISLAND DEPARTMENT OF TRANSPORTATION
REGULATORY SIGNS
 N.T.S.
 SOURCE: RHODE ISLAND STANDARD 27.1.0



REVISIONS	NO.	BY	DATE

CONSULTANT
 GEOTECHNICAL / STORMWATER:
JCE
 JOE CASALI ENGINEERING, INC.
 CIVIL - SITE DEVELOPMENT - TRANSPORTATION
 DRAINAGE - WETLANDS - ISDS - TRAFFIC - FLOODPLAIN
 300 POST ROAD, WARWICK, RI 02889
 (401) 846-1300 (401) 846-1319 FAX WWW.JOECASALI.COM

ARCHITECT/ENGINEER OF RECORD
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 email: info@acela-ae.com

CHRISTOPHER W. GEARY
 No. 43726
 REGISTERED PROFESSIONAL ENGINEER (CIVIL)

Office of Construction and Facilities Management
 U.S. Department of Veterans Affairs

Drawing Title: Construction Details
 Phase: 90% Submission NOT FOR CONSTRUCTION
 Approved: Project Director

Project Title
 Relocate Armed Forces Boulevard

Project Number
 650-20-102

Location
 Providence VAMC

Issue Date
 5/1/2023

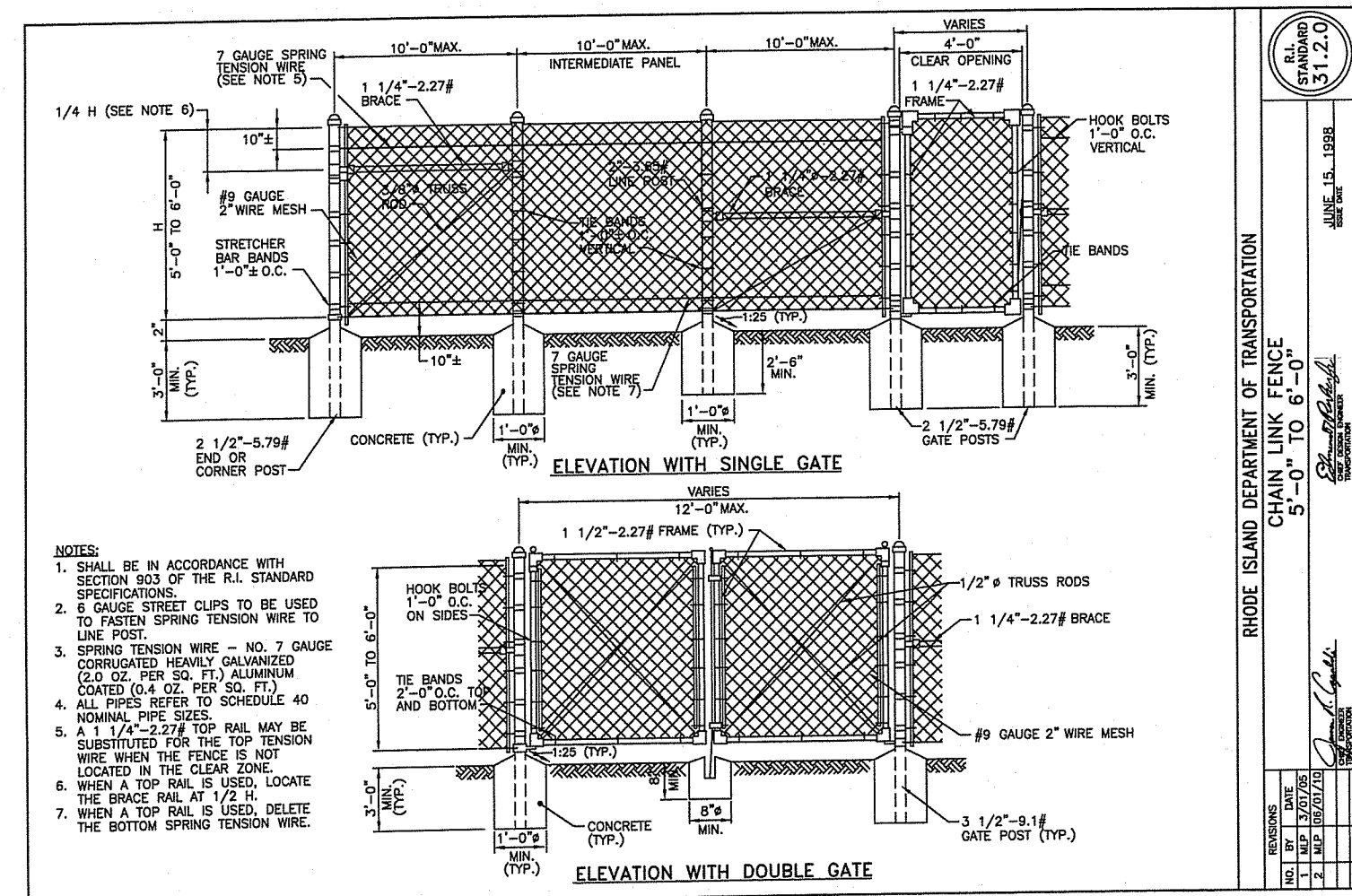
Checked
 McManaman

Drawn
 Geary

Drawing Number
 DE-4

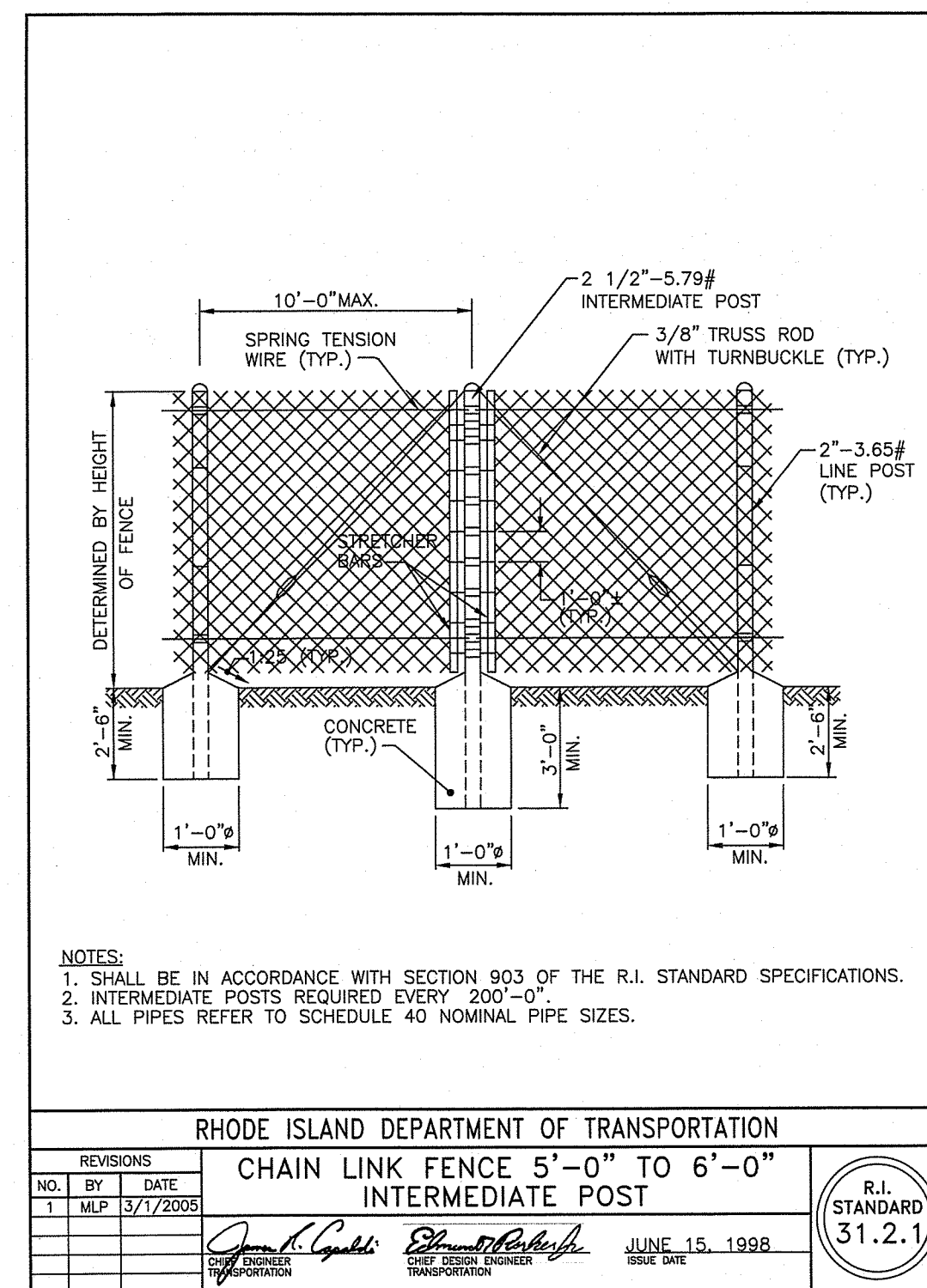
Project Building Number
 -

Dwg. 27 of 31

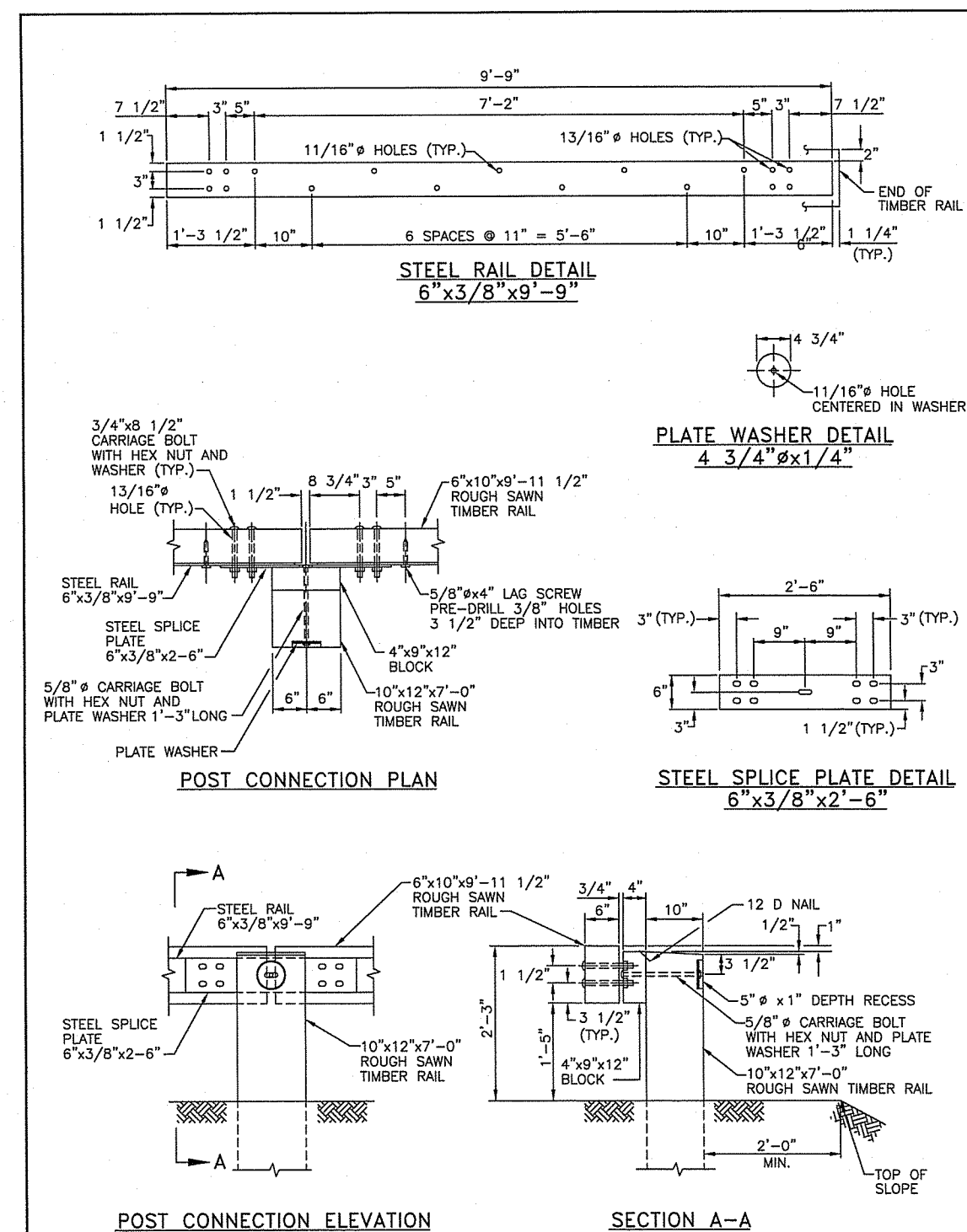


ALL FENCE MATERIALS INCLUDING POSTS, RAILS AND HARDWARE SHALL BE BLACK VINYL COATED

CHAIN LINK FENCE
N.T.S.
SOURCE: RHODE ISLAND STANDARD 31.2.0

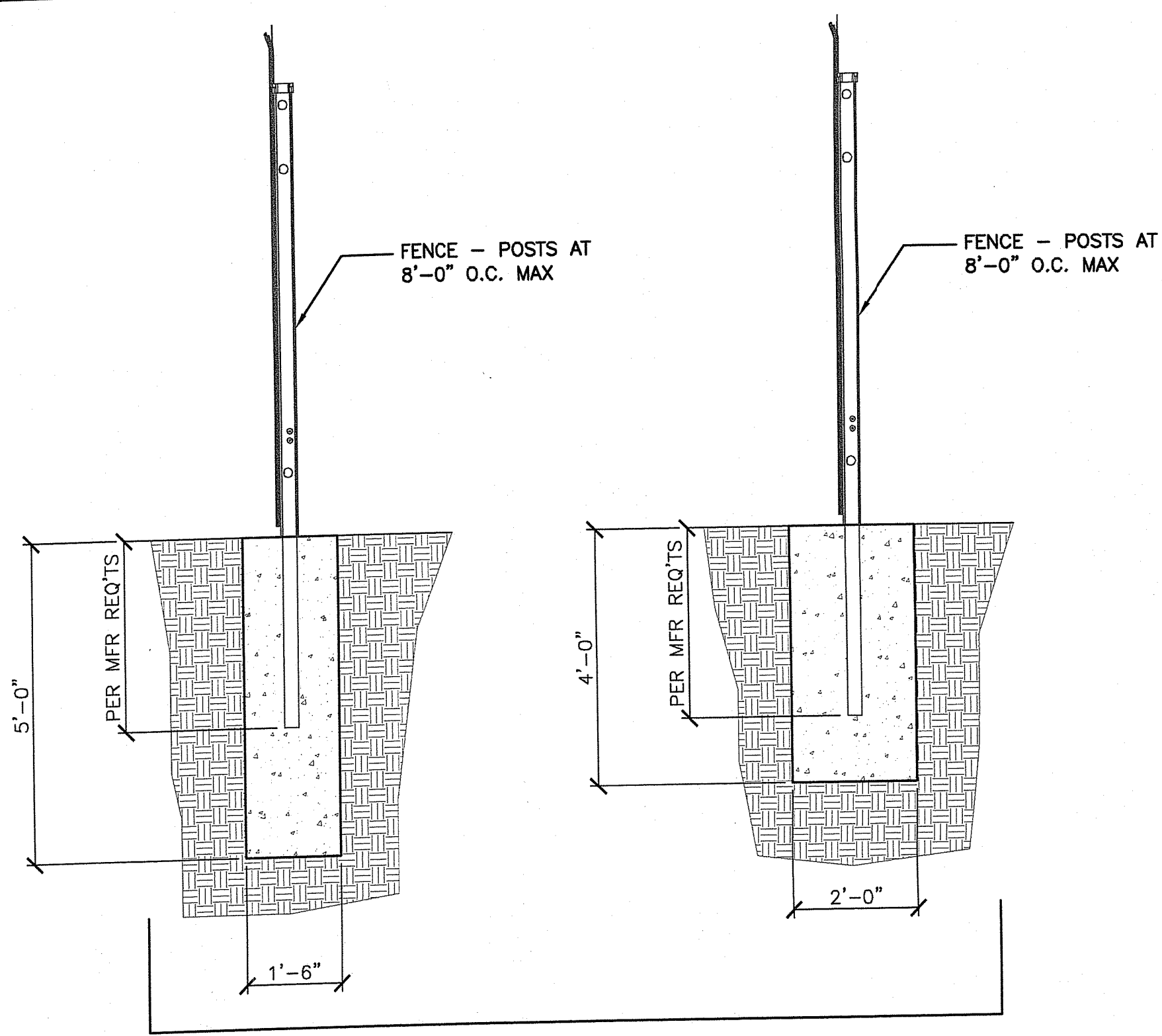


CHAIN LINK FENCE INTERMEDIATE POST
N.T.S.
SOURCE: RHODE ISLAND STANDARD 31.2.1

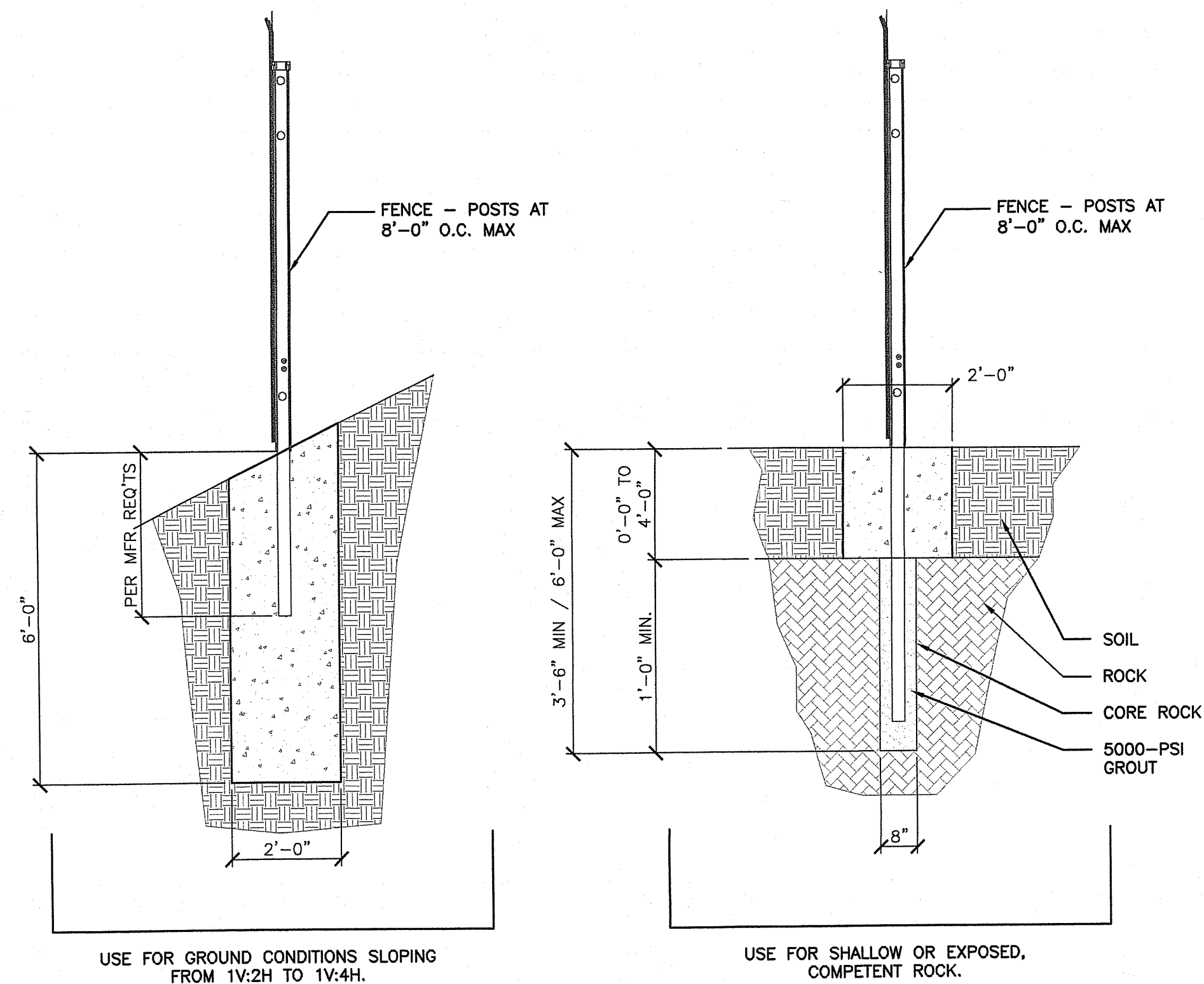


STEEL BACKED TIMBER GUARDRAIL
N.T.S.
SOURCE: RHODE ISLAND STANDARD 34.4.0

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL
DATED: MAR 26 2025 FILE #: 22-0416
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE



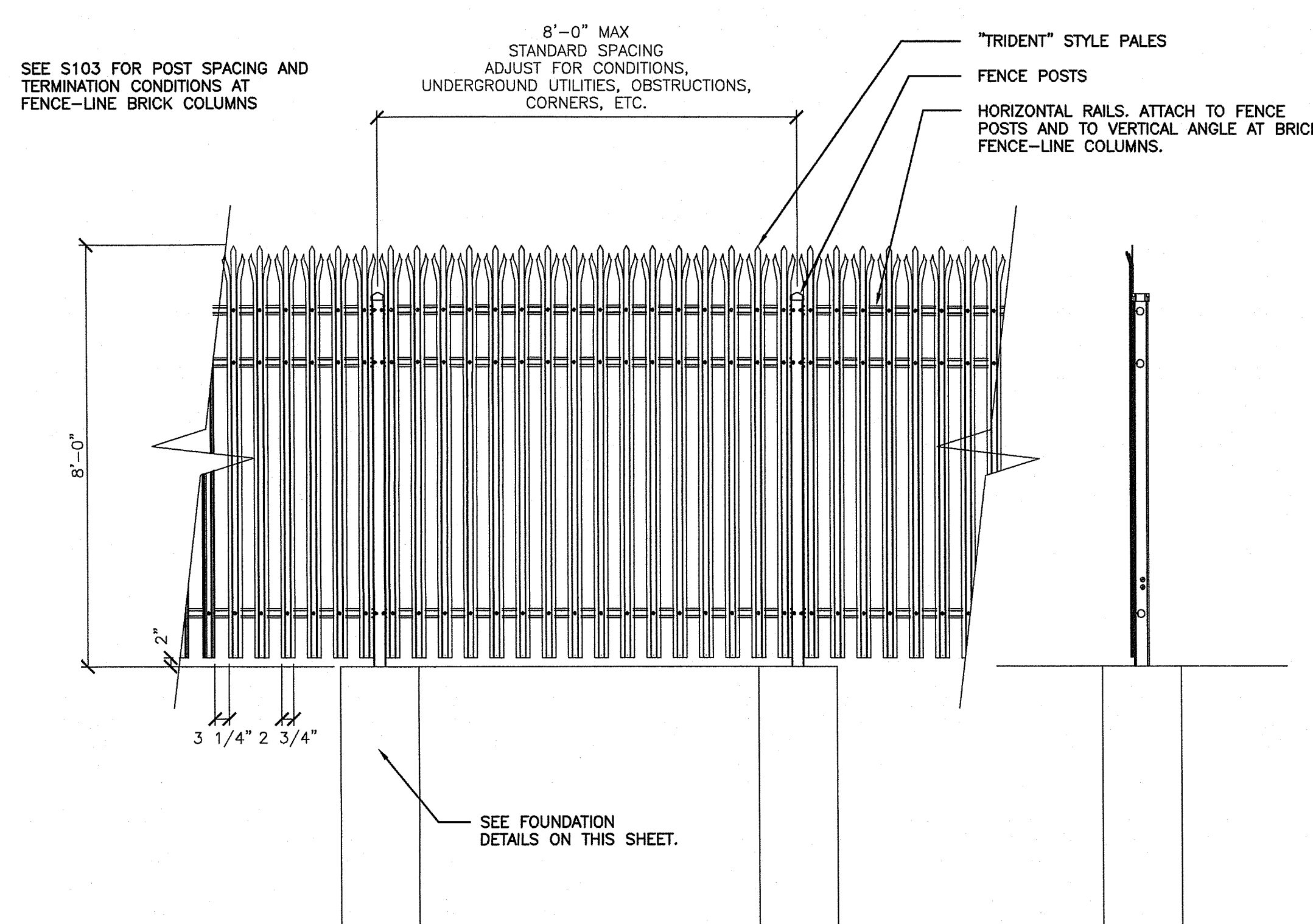
USE EITHER FDN OPTION FOR GROUND CONDITIONS FROM LEVEL TO SLOPING AT 1V:4H.



USE FOR GROUND CONDITIONS SLOPING FROM 1V:2H TO 1V:4H.

USE FOR SHALLOW OR EXPOSED, COMPETENT ROCK.
CONTRACTOR IS TO ASSUME THAT 15 OF THIS FOUNDATION TYPE WITH A 6'-0" DEPTH WILL BE REQUIRED. EXCESS POST MATERIAL TRIMMED OR NOT USED SHALL BE TURNED OVER TO THE VA.

SECURITY FENCE FOUNDATIONS
N.T.S.



SECURITY FENCE ELEVATION AND SECTION
N.T.S.

REVISIONS	NO.	BY	DATE
1	MLP	3/1/2025	
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3			
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CONSULTANT
GEOTECHNICAL / STORMWATER:

JCE
JOE CASALI ENGINEERING, INC.
CIVIL, SITE DEVELOPMENT, TRANSPORTATION
DRAINAGE - WETLANDS - ISDS - TRAFFIC - FLOODPLAIN
300 POST ROAD, WARWICK, RI 02888
(401) 944-1300 (401) 944-1313 FAX WWW.JCEASAL.COM

ARCHITECT/ENGINEER OF RECORD

acela
architects + engineers
acela architects + engineers, pc office: 610.365.4023
2633 Moravian Ave. website: www.acela-ae.com
Allentown, PA 18103 email: info@acela-ae.com

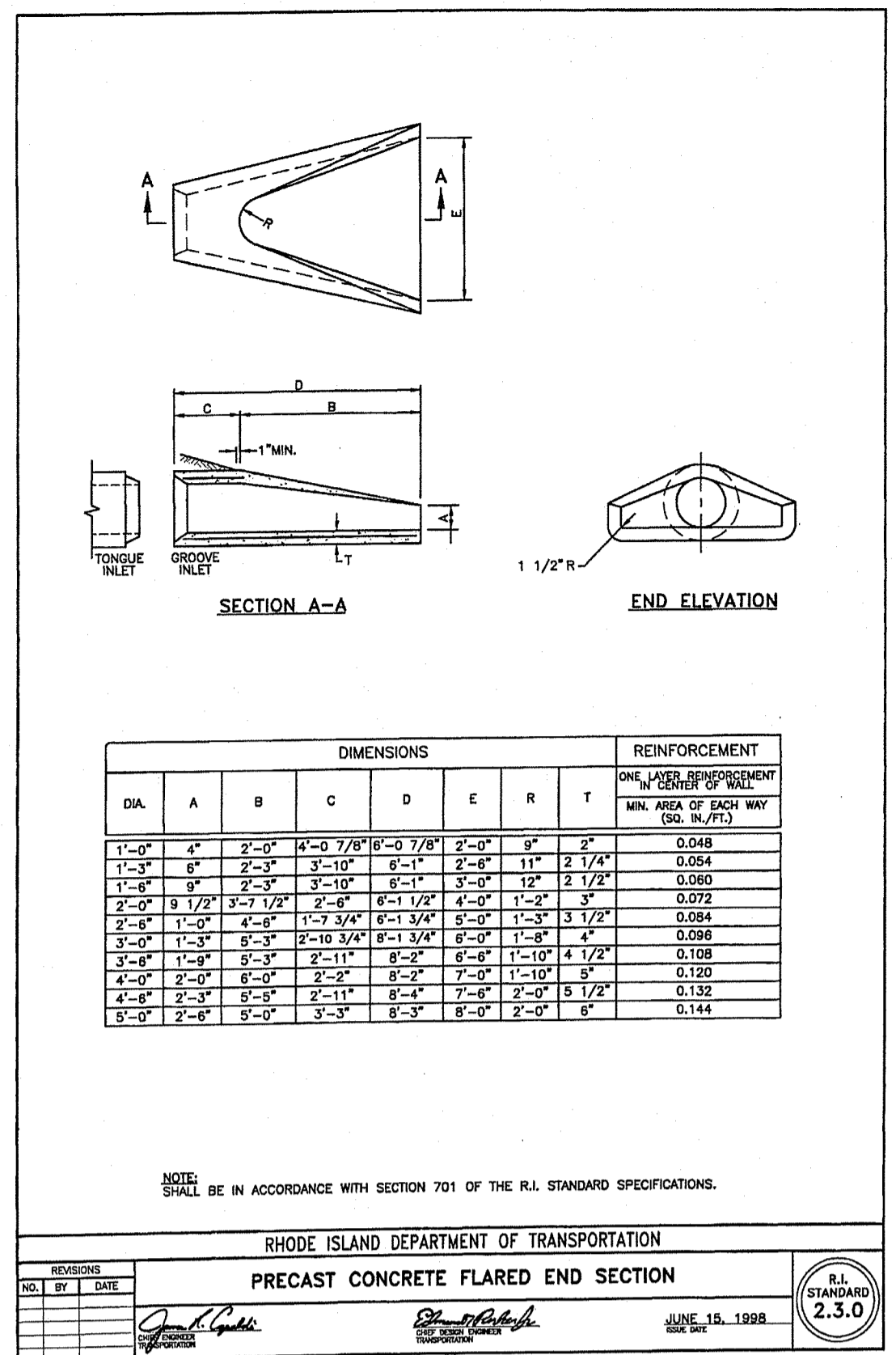
CHRISTOPHER W. GEARY
No. 13726
REGISTERED PROFESSIONAL ENGINEER (CIVIL)

Office of Construction and Facilities Management
VA U.S. Department of Veterans Affairs

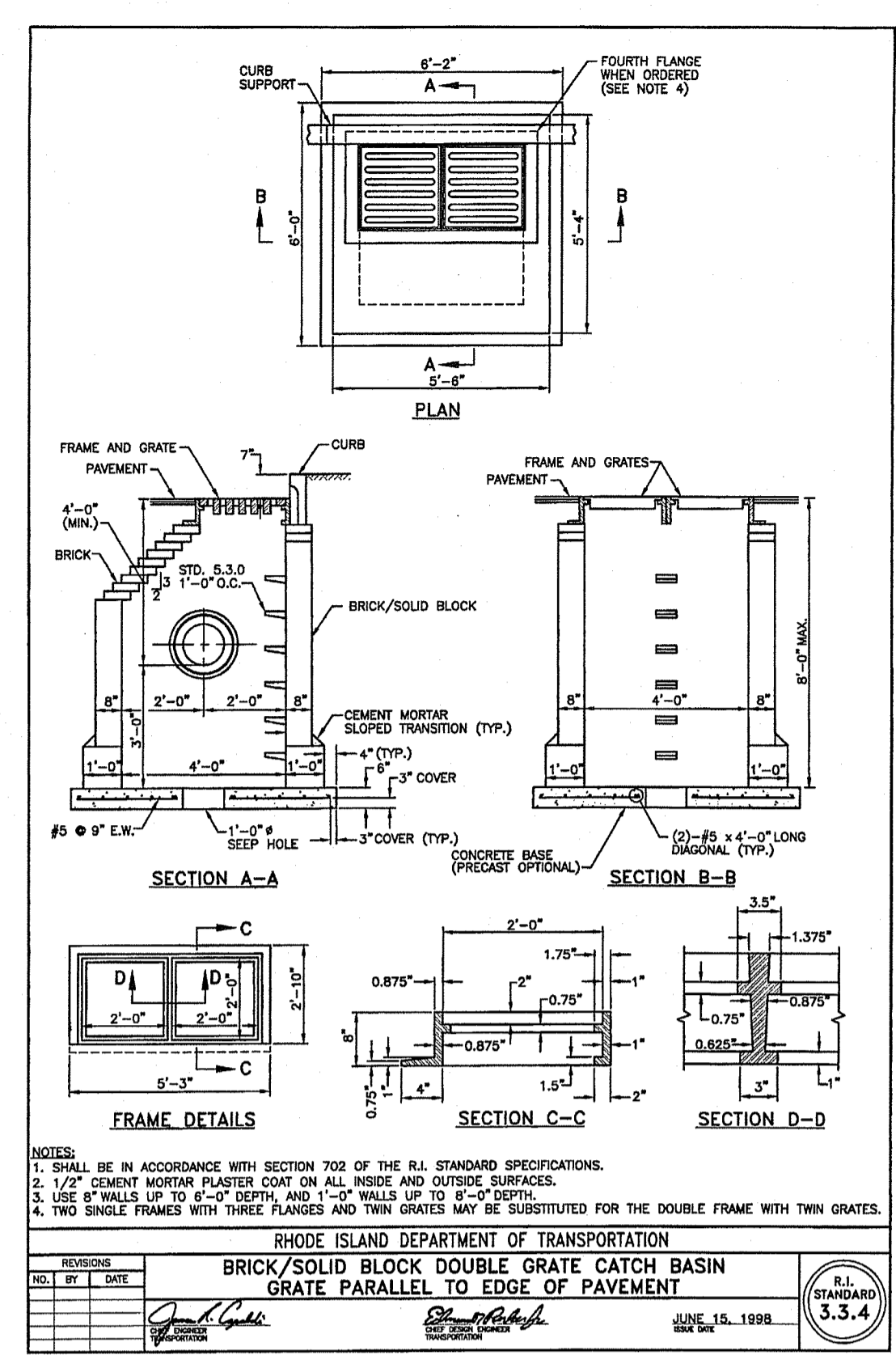
Drawing Title: Construction Details
Phase: 90% Submission NOT FOR CONSTRUCTION
Approved: Project Director

Project Title: Relocate Armed Forces Boulevard
Project Number: 650-20-102
Building Number: -
Location: Providence VAMC
Issue Date: 5/1/2023
Checked: McManaman
Drawn: Geary

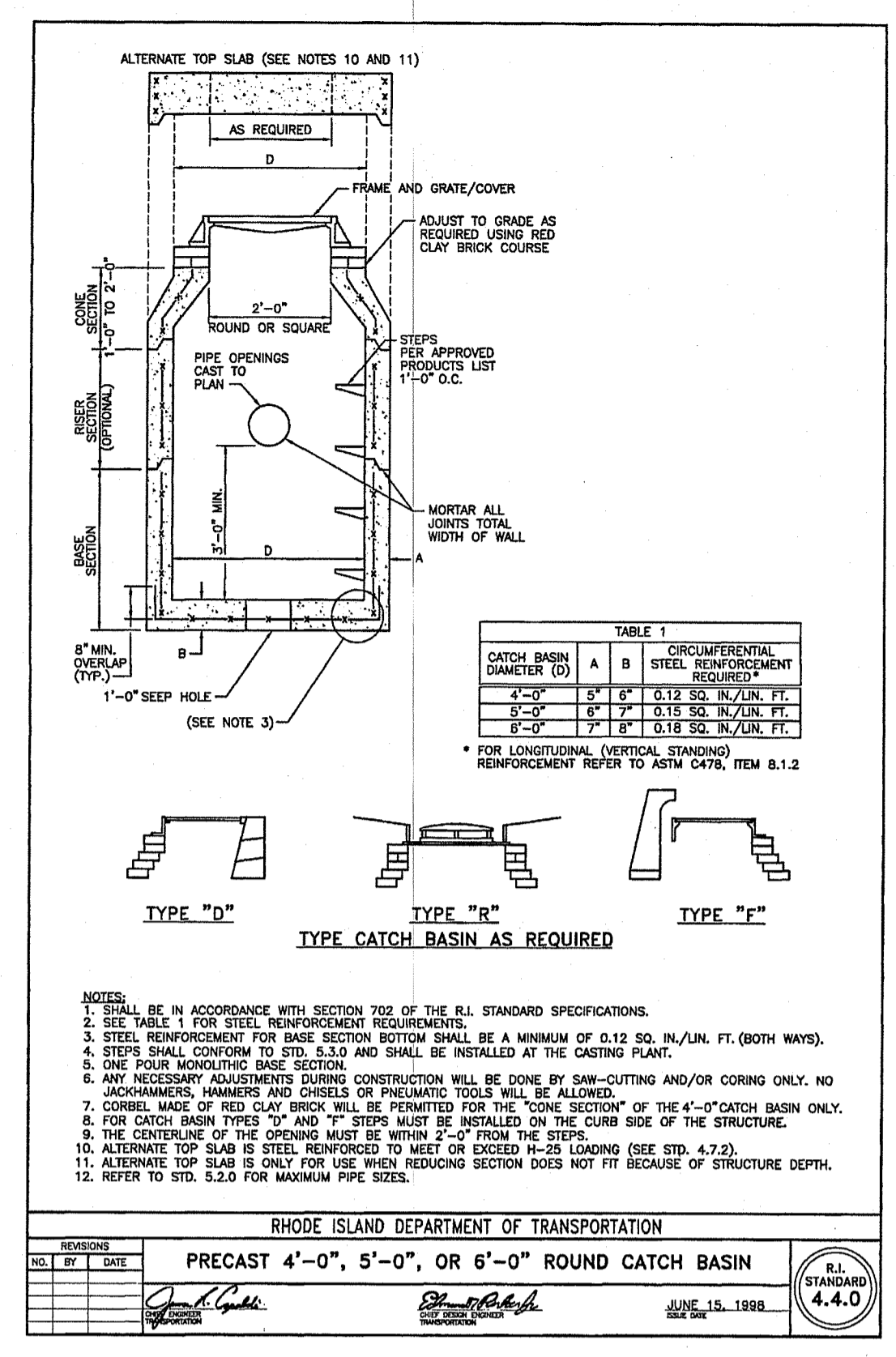
Drawing Number: DE-5
Dwg. 28 of 31



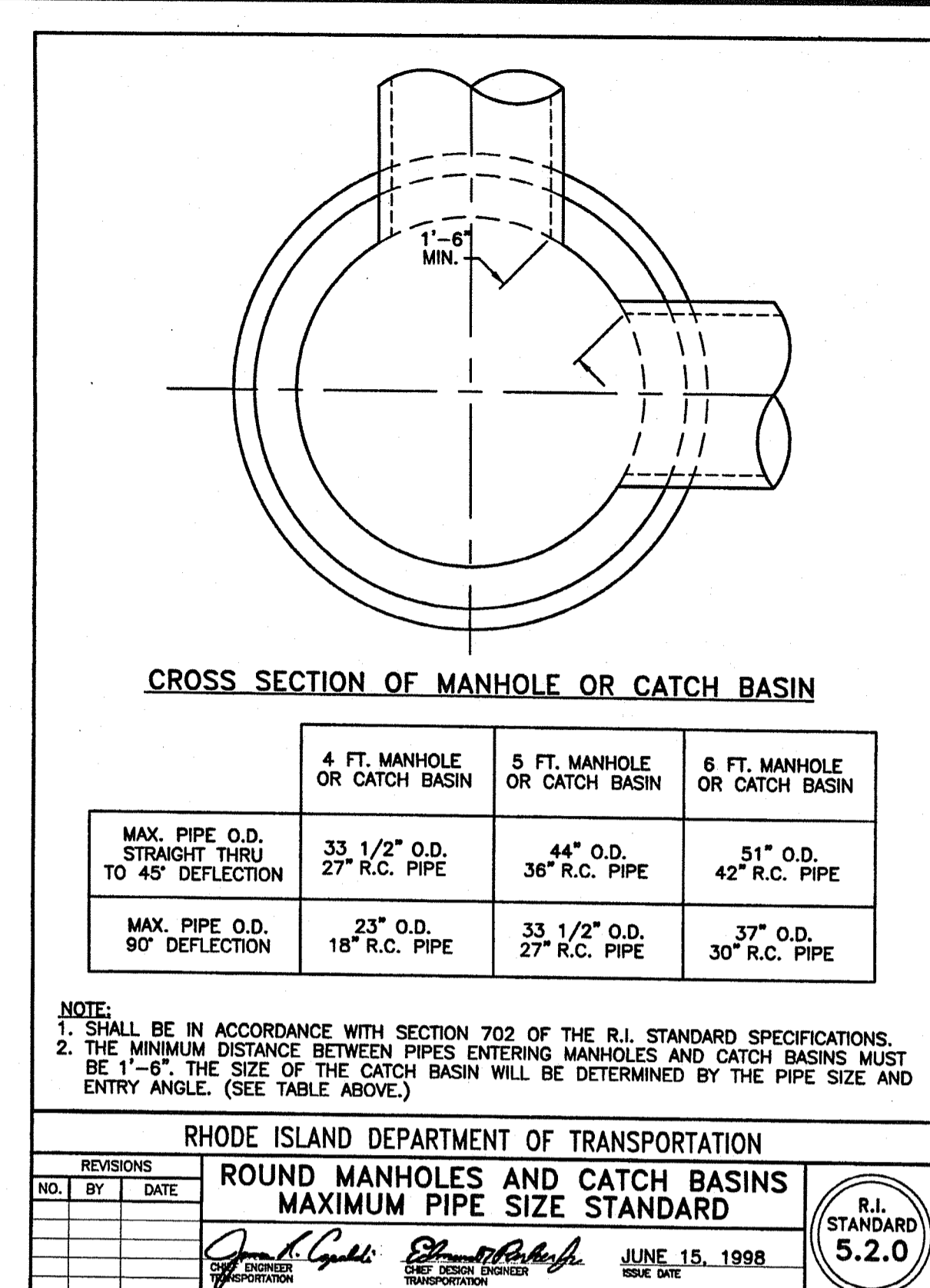
PRECAST CONCRETE FLARED END SECTION
N.T.S.
SOURCE: RHODE ISLAND STANDARD 2.3.0



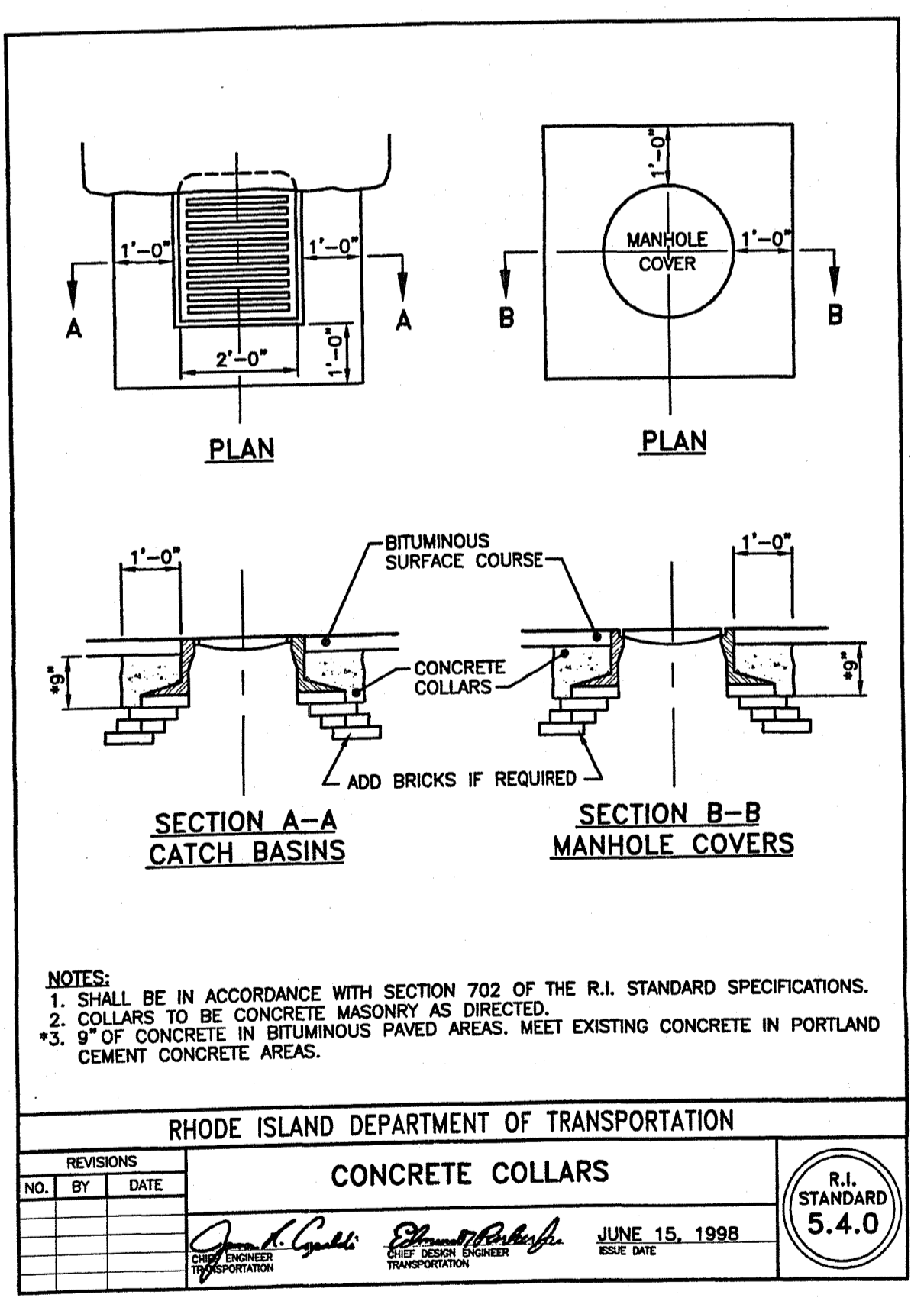
DOUBLE GRATE CATCH BASIN
N.T.S.
SOURCE: RHODE ISLAND STANDARD 3.3.4



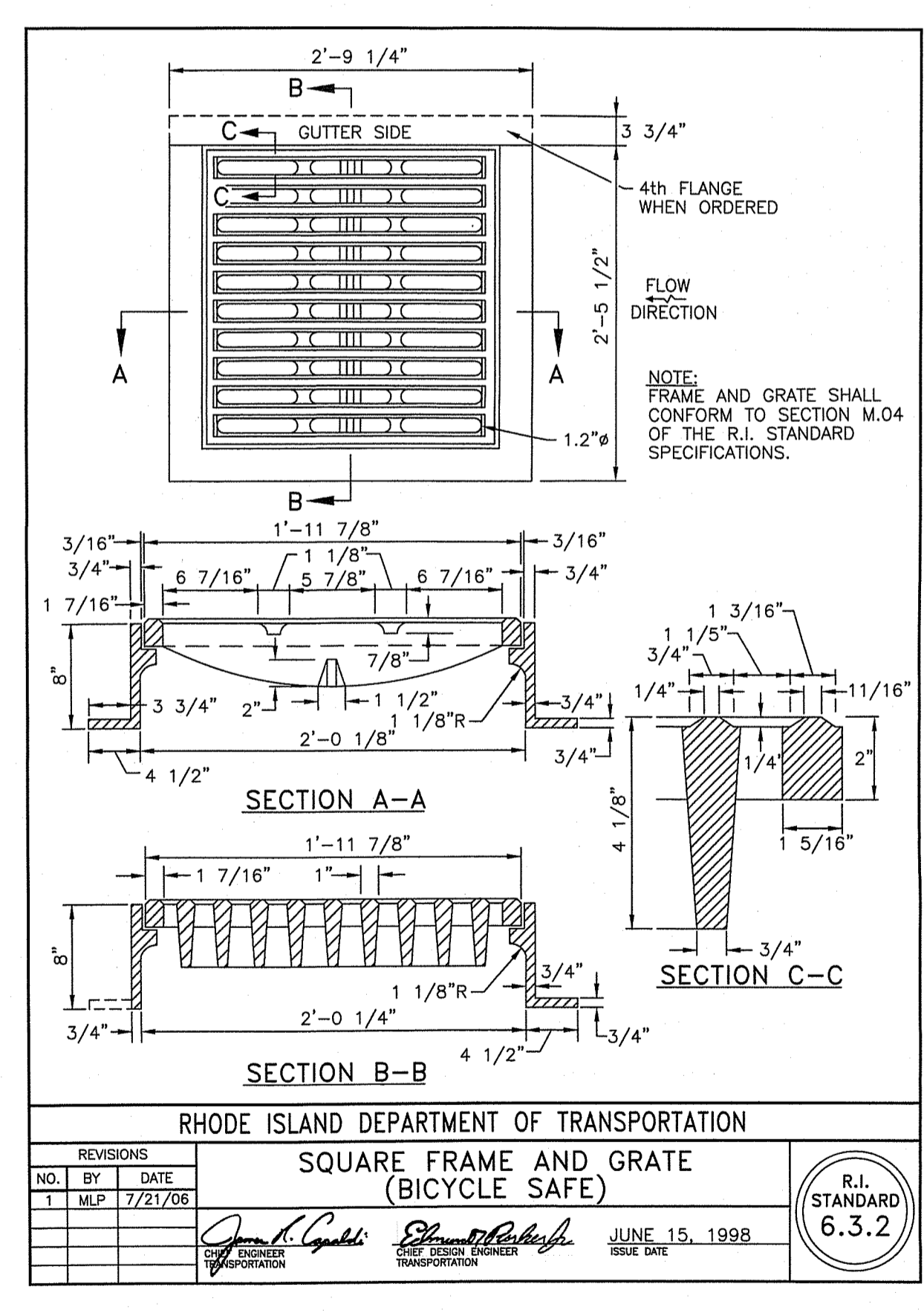
ROUND CATCH BASIN
N.T.S.
SOURCE: RHODE ISLAND STANDARD 4.4.0



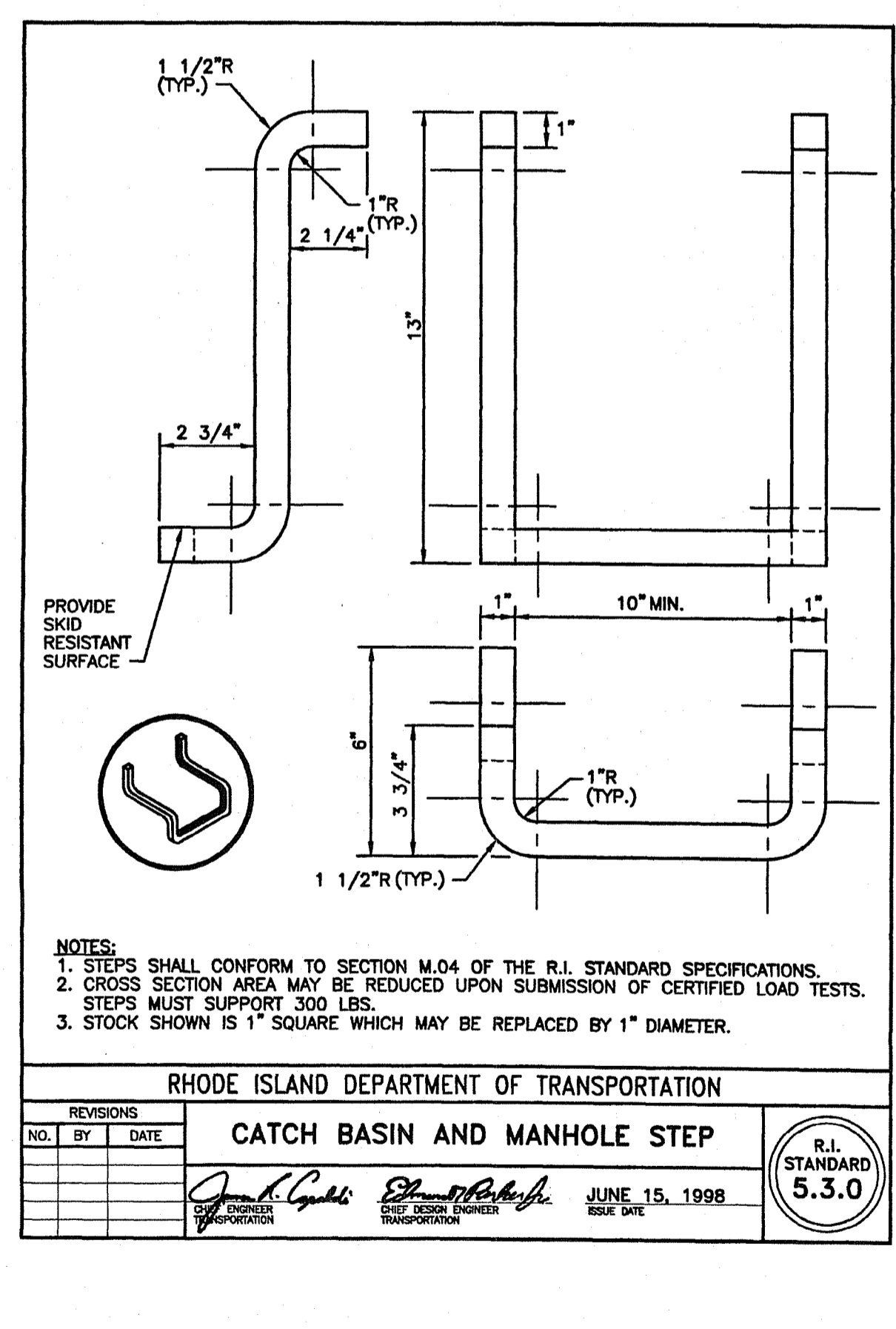
ROUND CATCH BASIN- PIPE SIZE STANDARDS
N.T.S.
SOURCE: RHODE ISLAND STANDARD 5.2.0



CONCRETE COLLARS
N.T.S.
SOURCE: RHODE ISLAND STANDARD 5.4.0



BICYCLE SAFE GRATE
N.T.S.
SOURCE: RHODE ISLAND STANDARD 6.3.2



CATCH BASIN AND MANHOLE STEP
N.T.S.
SOURCE: RHODE ISLAND STANDARD 5.3.0

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL
DATED: MAR 26 FILE #: 22-0116
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Gregory D. Womack

NO.	BY	DATE
1	MLP	7/21/06

CONSULTANT
GEOTECHNICAL / STORMWATER:

JCE

JOE CASALI ENGINEERING, INC.
CIVIL - SITE DEVELOPMENT - TRANSPORTATION
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CHRISTOPHER W. GEARY
REGISTERED PROFESSIONAL ENGINEER (CIVIL)

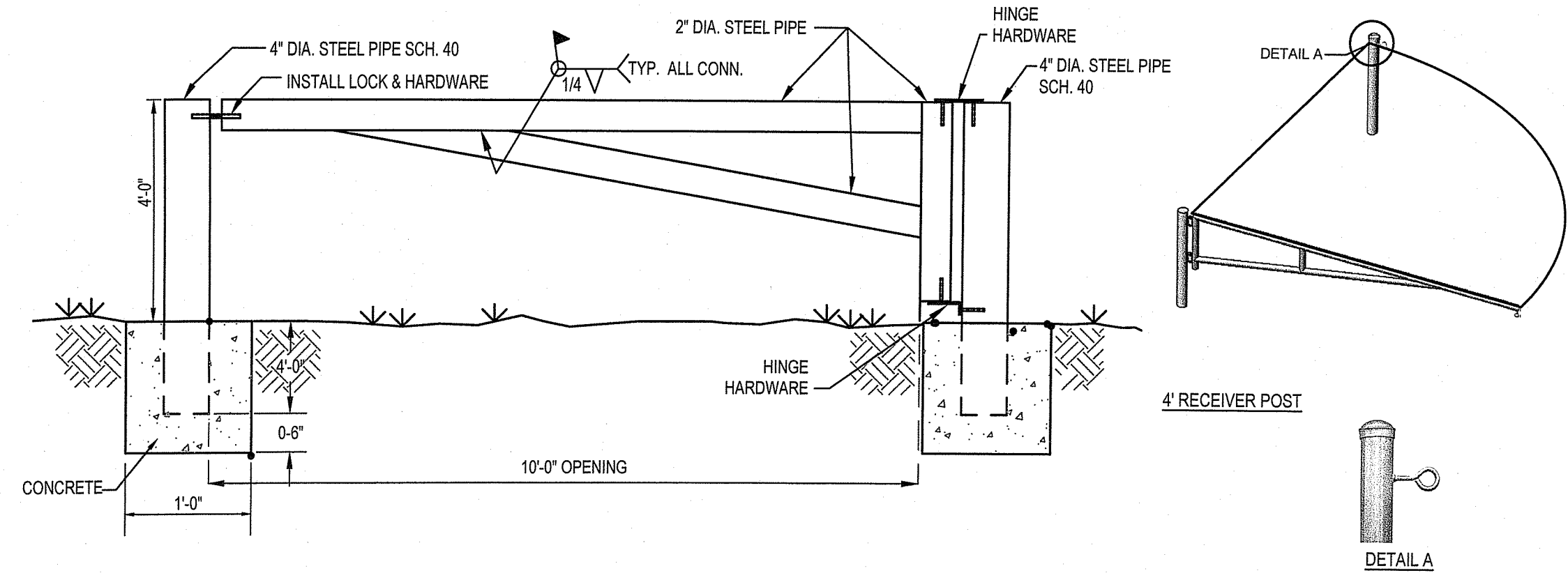
Office of Construction and Facilities Management

U.S. Department of Veterans Affairs

Drawing Title: Construction Details

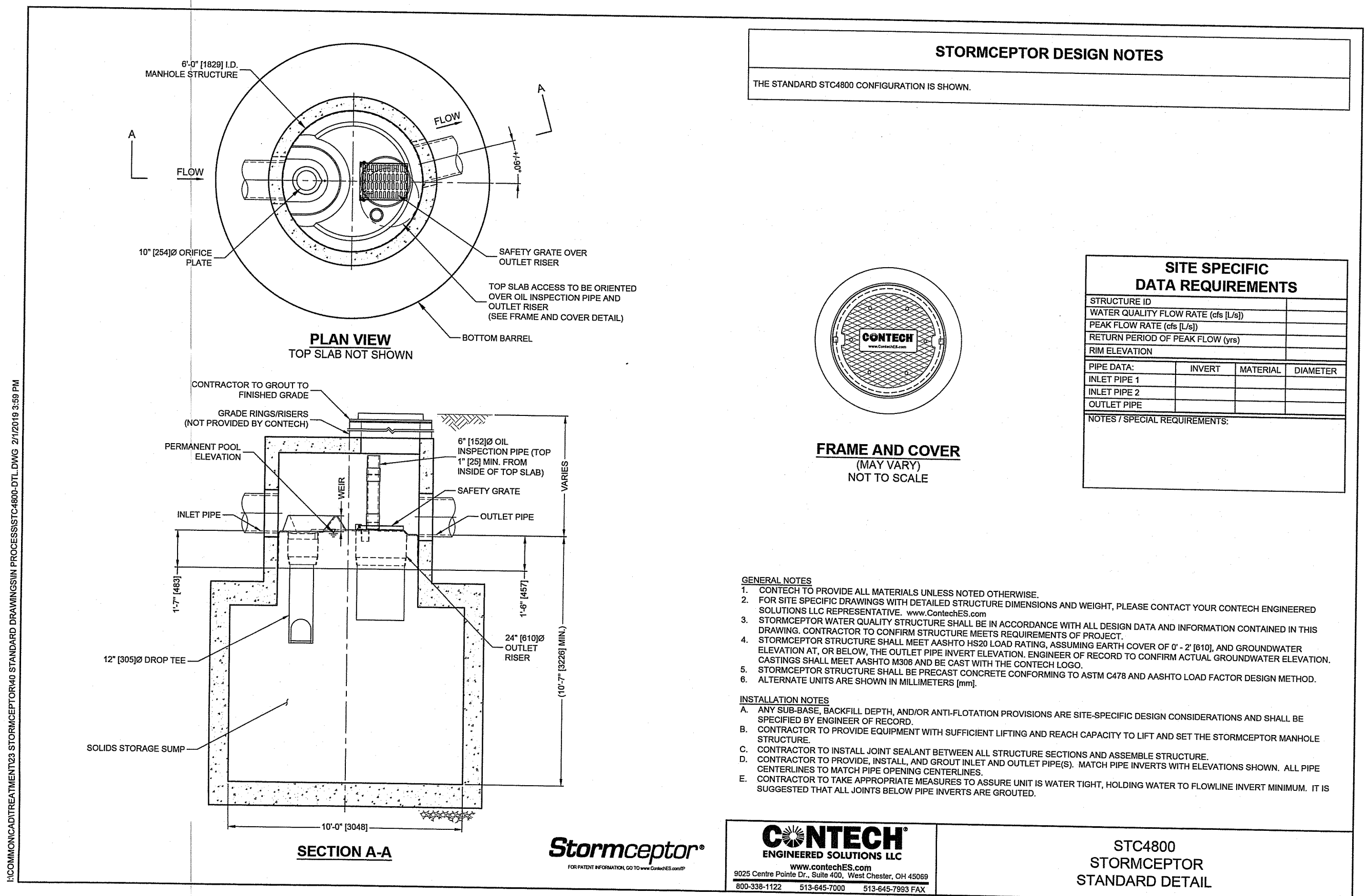
Approved: Project Director

Phase: 90% Submission NOT FOR CONSTRUCTION	Project Title: Relocate Armed Forces Boulevard	Project Number: 650-20-102
Location: Providence VAMC Providence, RI	Issue Date: 5/1/2023	Building Number: -
Checked: McManaman	Drawn: Geary	Drawing Number: DE-6
Dwg. 29 of 31		



NOTE: CAP ALL ENDS AND PAINT ALL SURFACES WITH APPROPRIATE PAINT FOR EXTERNAL STEEL APPLICATIONS
 *NOTE: FENCE TO BE INSTALLED AS PER MANUFACTURER'S SPECIFICATION

MANUAL SWING BARRIER GATE
 N.T.S.

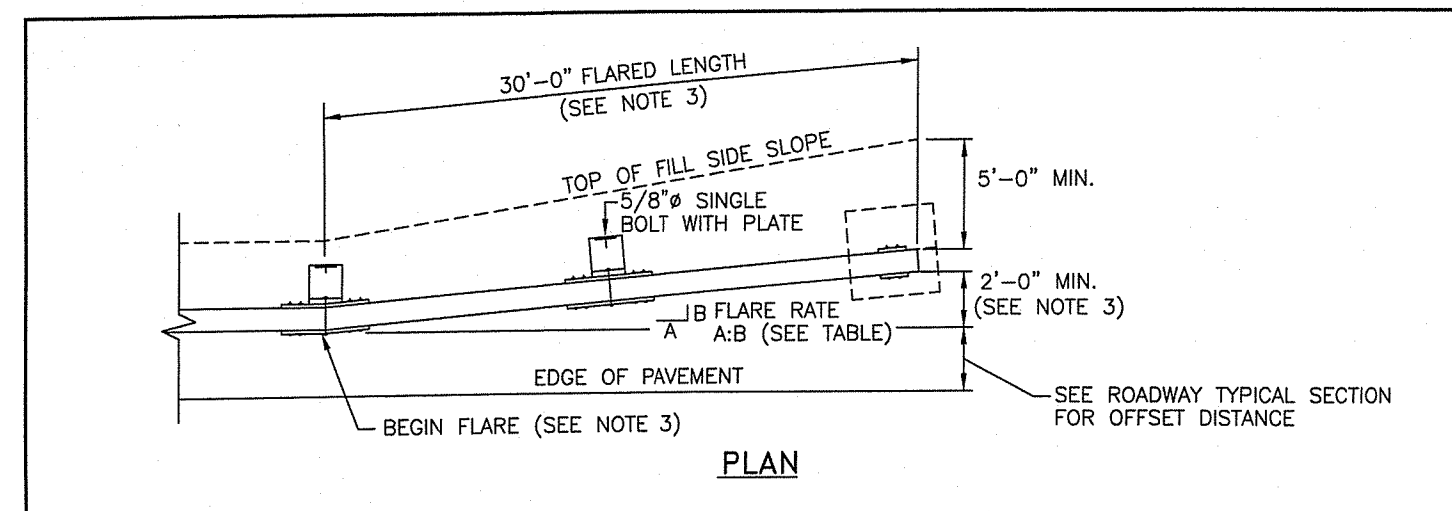


STORMCEPTOR DESIGN NOTES
 THE STANDARD STC4800 CONFIGURATION IS SHOWN.

SITE SPECIFIC DATA REQUIREMENTS			
STRUCTURE ID			
WATER QUALITY FLOW RATE (GAL)			
PEAK FLOW RATE (GAL)			
RETURN PERIOD OF PEAK FLOW (YRS)			
EMB ELEVATION			
PIPE DATA			
INLET PIPE 1			
INLET PIPE 2			
OUTLET PIPE			
NOTES/SPECIAL REQUIREMENTS:			

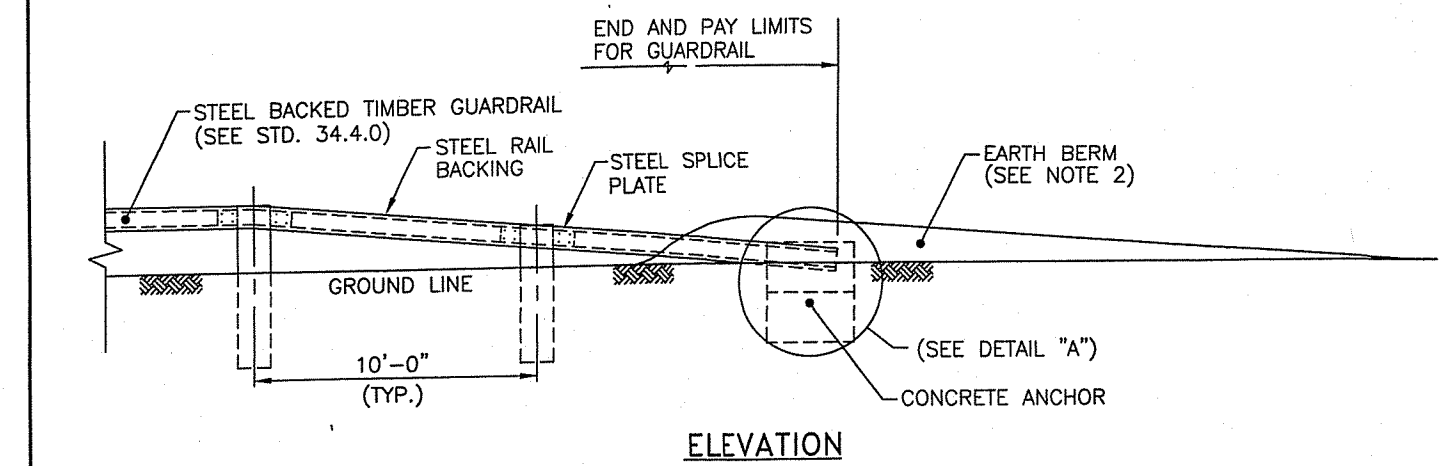
GENERAL NOTES
 1. CONTRACTOR TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
 2. FOR SITE SPECIFIC DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHT, PLEASE CONTACT YOUR CONTECH ENGINEERED SOLUTIONS LLC REPRESENTATIVE. www.conteches.com
 3. STORMCEPTOR WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING. CONTRACTOR TO CONFIRM STRUCTURE MEETS REQUIREMENTS OF PROJECT.
 4. STORMCEPTOR STRUCTURE SHALL MEET AASHTO HSDO LOAD RATING, ASSUMING EARTH COVER OF 0'-2" (B)10, AND GROUNDWATER ELEVATION. CASTINGS SHALL MEET AASHTO M208 AND BE CAST WITH THE CONTECH LOGO.
 5. STORMCEPTOR STRUCTURE SHALL BE PRECAST CONCRETE CONFORMING TO ASTM C478 AND AASHTO LOAD FACTOR DESIGN METHOD.
 6. ALTERNATE UNITS ARE SHOWN IN MILLIMETERS (mm).
INSTALLATION NOTES
 A. ANY SUBGRADE, BACKFILL DEPTH, AND/OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY ENGINEER OF RECORD.
 B. CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE STORMCEPTOR MANHOLE STRUCTURE.
 C. CONTRACTOR TO INSTALL JOINT SEALANT BETWEEN ALL STRUCTURE SECTIONS AND ASSEMBLY STRUCTURE.
 D. CONTRACTOR TO PROVIDE, INSTALL, AND GROUT INLET AND OUTLET PIPES. MATCH PIPE INVERTS WITH ELEVATIONS SHOWN. ALL PIPE CENTERLINES TO MATCH PIPE OPENING CENTERLINES.
 E. CONTRACTOR TO TAKE APPROPRIATE MEASURES TO ASSURE UNIT IS WATER TIGHT, INVOLVING WATER TO FLOWLINE INVERT MINIMUM. IT IS SUGGESTED THAT ALL JOINTS BELOW PIPE INVERTS ARE GROUTED.

STC4800 STORMCEPTOR STANDARD DETAIL
 N.T.S.
 SOURCE: CONTECH ENGINEERED SOLUTIONS LLC

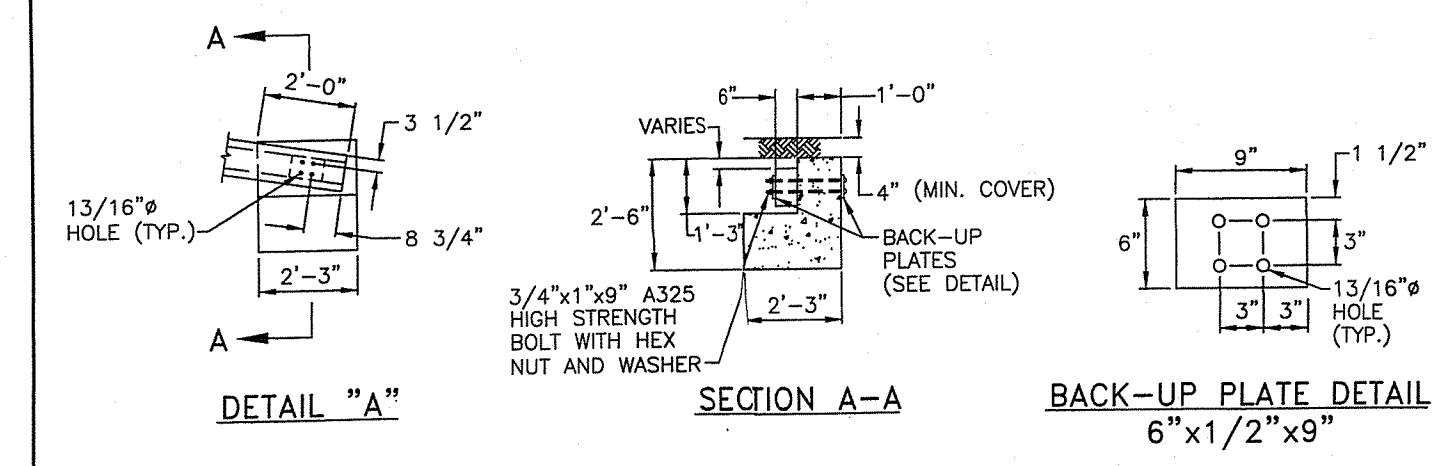


DESIGN SPEED (MPH)	FLARE RATE A:B
60	13:1
50	11:1
40	9:1
30 OR LESS	7:1

GUARDRAIL FLARE RATES



ELEVATION



DETAIL "A"

SECTION A-A

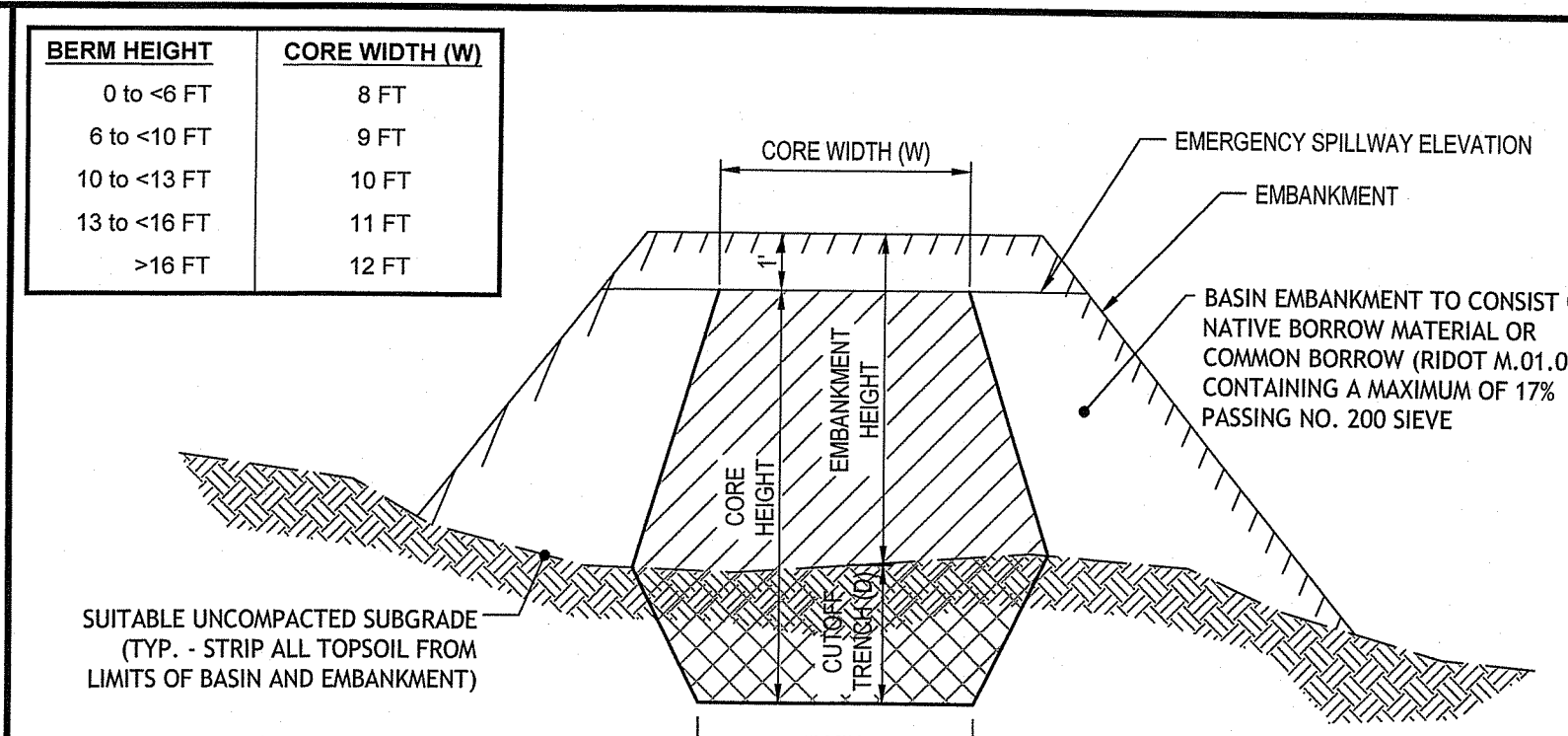
BACK-UP PLATE DETAIL
 6" x 1 1/2" x 9"

NOTES:
 1. SHALL BE IN ACCORDANCE WITH SECTION 902 OF THE R.I. STANDARD SPECIFICATIONS.
 2. REFERENCE STD. 34.3.0 FOR CONSTRUCTION OF EARTH BERM.
 3. THE GUARDRAIL FLARE SHOWN IN THE PLAN VIEW IS THE MINIMUM LENGTH AND RATE REQUIRED, AS DIRECTED BY THE ENGINEER. THE GUARDRAIL SHOULD BE FLARED SO THE TERMINAL SECTION IS OUTSIDE THE CLEAR ZONE. WHEN THIS IS NOT PRACTICAL, IT SHOULD BE FLARED AS FAR FROM THE ROAD AS PRACTICAL AT THE MAXIMUM RATE INDICATED ON THE GUARDRAIL FLARE RATE TABLE.
 4. REFERENCE STD. 34.4.0 FOR TIMBER, STRUCTURAL STEEL AND HARDWARE DETAILS.
 5. THE BLOCKS SHALL BE INCLUDED IN THE TERMINAL SECTION EXCEPT ON THE CONCRETE ANCHOR.

REVISIONS	
NO.	BY DATE
1	MP 3/7/2005

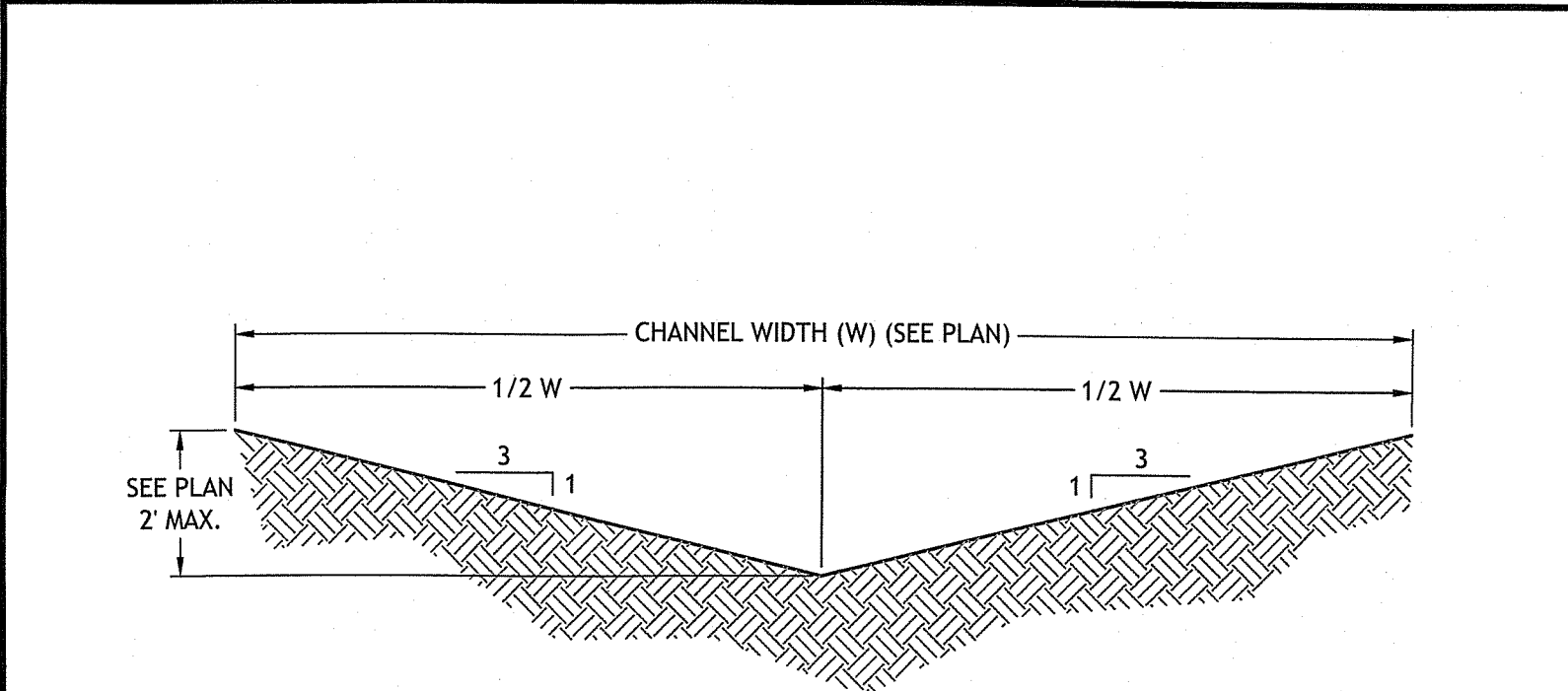
RHODE ISLAND DEPARTMENT OF TRANSPORTATION
STEEL BACKED TIMBER GUARDRAIL TERMINAL SECTION - TYPE 1
 R.I. STANDARD 34.4.1
 JUNE 15, 1998
 DATE

STEEL BACKED TIMBER GUARDRAIL TERMINAL SECTION - TYPE 1
 N.T.S.
 SOURCE: RHODE ISLAND STANDARD 34.4.1



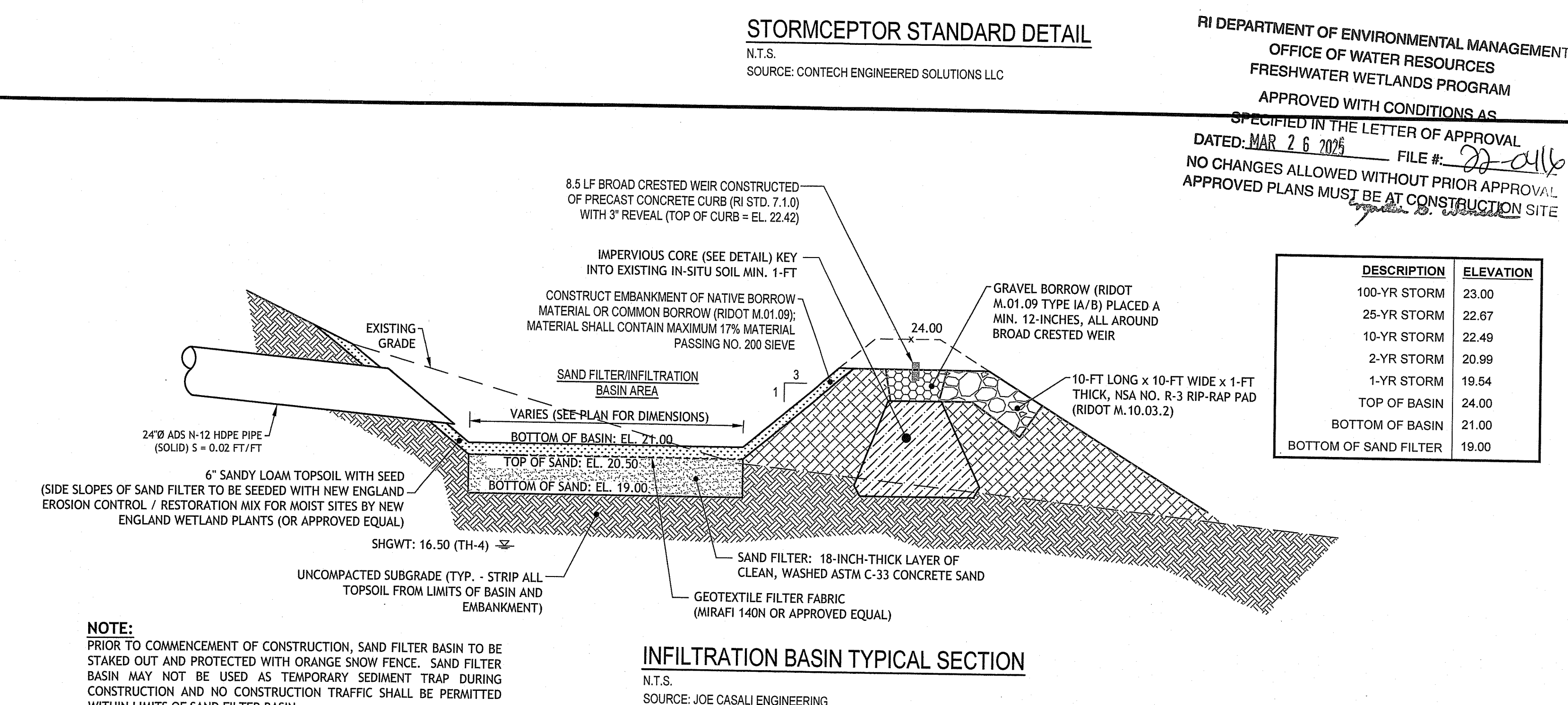
NOTES:
 1. IMPERVIOUS SOIL CORE TO BE CONSTRUCTED OF MATERIAL WITH A MINIMUM 55% PASSING THE NO. 200 SIEVE AND WITH A MAXIMUM PERMEABILITY OF 0.00005 CM/S. CONTRACTOR SHALL SUBMIT CERTIFIED LABORATORY TESTING RESULTS INDICATING PROPOSED IMPERVIOUS CORE MATERIAL MEETS OR EXCEEDS THESE SPECIFICATIONS.
 2. CUTOFF TRENCH (D) SHALL EXTEND A 1-FT INTO SUITABLE UNCOMPACTED SUBGRADE SOILS OR TO A DEPTH EQUAL TO 3/4 THE TOTAL EMBANKMENT HEIGHT, WHICHEVER IS GREATER.
 3. SIDE SLOPES OF THE IMPERVIOUS CORE AND CUTOFF TRENCH SHALL BE NO GREATER THAN 1H:1V.
 4. IMPERVIOUS CORE MATERIAL SHALL BE COMPACTED TO 95% OF THE MAXIMUM DRY DENSITY, AS DETERMINED BY ASTM D1557 (MODIFIED PROCTOR). IMPERVIOUS CORE MATERIAL SHALL BE PLACED AND COMPACTED IN LOOSE LIFTS NOT EXCEEDING 12-INCHES IN THICKNESS.
 5. IMPERVIOUS CORE MATERIAL SHALL BE KEPT FREE OF STANDING WATER, FROST, AND PROTECTED FROM FREEZING DURING PLACEMENT AND CHALLENGE.

IMPERVIOUS CORE DETAIL
 N.T.S.
 SOURCE: JOE CASALI ENGINEERING



NOTES:
 1. APPROXIMATE TEMPORARY DIVERSION CHANNEL LOCATIONS ARE SHOWN ON THE WATER CONTROL PLAN AND ON THE SOIL EROSION AND SEDIMENT CONTROL PLANS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD FIT AND DETERMINE ACTUAL LOCATIONS FOR SEDIMENT CONTROL MEASURES. ALL SOIL EROSION MEASURES SHALL BE IN ACCORDANCE WITH THE RHODE ISLAND SOIL EROSION AND SEDIMENT CONTROL HANDBOOK (2016).
 2. TEMPORARY DIVERSION CHANNEL SHALL BE CONSTRUCTED TO CONVEY RUNOFF TOWARDS THE TEMPORARY SEDIMENT TRAPS AND/OR DOWNGRADIENT OUTLETS.

TEMPORARY DIVERSION SWALE
 N.T.S.
 SOURCE: JOE CASALI ENGINEERING



NOTE:
 PRIOR TO COMMENCEMENT OF CONSTRUCTION, SAND FILTER BASIN TO BE STAKED OUT AND PROTECTED WITH ORANGE SNOW FENCE. SAND FILTER BASIN MAY NOT BE USED AS TEMPORARY SEDIMENT TRAP DURING CONSTRUCTION AND NO CONSTRUCTION TRAFFIC SHALL BE PERMITTED WITHIN LIMITS OF SAND FILTER BASIN.

INFILTRATION BASIN TYPICAL SECTION
 N.T.S.
 SOURCE: JOE CASALI ENGINEERING

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
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 DATED: MAR 26 2025 FILE #: 22-0116
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DESCRIPTION	ELEVATION
100-YR STORM	23.00
25-YR STORM	22.67
10-YR STORM	22.49
2-YR STORM	20.99
1-YR STORM	19.54
TOP OF BASIN	24.00
BOTTOM OF BASIN	21.00
BOTTOM OF SAND FILTER	19.00

REVISIONS	
NO.	BY DATE
1	MP 3/7/2005
2	MP 4/5/2024
3	MP 1/11/2024

CONSULTANT
 GEOTECHNICAL / STORMWATER:
JCE
 JOE CASALI ENGINEERING, INC.
 CIVIL - SITE DEVELOPMENT - TRANSPORTATION
 DRAINAGE - WETLANDS - HDS - TRAFFIC - FLOODPLAIN
 300 POFF ROAD, WARWICK, RI 02886
 (401) 844-1300 (401) 844-1313 FAX WWW.JOECASALI.COM

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 website: www.acela-ae.com
 email: info@acela-ae.com

Office of Construction and Facilities Management
 U.S. Department of Veterans Affairs

Drawing Title
 Construction Details
 Phase
 90% Submission
 NOT FOR CONSTRUCTION
 Approved: Project Director

Project Title
 Relocate Armed Forces Boulevard
 Location
 Providence VAMC
 Issue Date
 5/1/2023

Project Number
 650-20-102
 Building Number
 -
 Drawing Number
 DE-7
 Dwg. 30 of 31

