

# BUILDING 1371 NORTH PARKING AREA

## NAVAL UNDERSEA WARFARE CENTER

### NEWPORT, RI FACILITIES BRANCH

#### GENERAL NOTES

- THE CONTRACTOR SHALL MAINTAIN IN THE FIELD UP-TO-DATE AS-BUILT DRAWINGS OF ALL GRADING, DRAINAGE, UTILITY, ROAD AND SITE CONSTRUCTION. UPON COMPLETION OF THE WORK AND PRIOR TO FINAL ACCEPTANCE THE CONTRACTOR SHALL PROVIDE A FULL SIZE SET OF REPRODUCIBLE AS-BUILT DRAWINGS CERTIFIED AS ACCURATELY DEPICTING AS-BUILT CONDITIONS.
- ALL MEASUREMENTS, INCLUDING ELEVATIONS, SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO COMMENCING WORK. THE CONTRACTOR SHALL FIELD VERIFY INVERT ELEVATIONS OF EXISTING PIPING OR STRUCTURES AT POINTS OF CONNECTION INDICATED PRIOR TO LAYING PIPE OR PLACING STRUCTURES WHICH ARE DEPENDENT ON SAID EXISTING INVERT ELEVATIONS.
- EXISTING UTILITIES HAVE BEEN PLOTTED FROM BEST AVAILABLE DATA AND ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL VERIFY LOCATION OF ALL EXISTING UTILITIES AND NOTIFY THE APPROPRIATE UTILITY AUTHORITY OR COMPANY. EXTREME CAUTION SHALL BE USED WHEN WORKING IN THE VICINITY OF EXISTING UTILITIES.
- LOCATIONS AND DEPTHS OF EXISTING UNDERGROUND PIPES, CONDUITS, AND STRUCTURES, AS SHOWN, ARE APPROXIMATE ONLY, BASED ON FIELD SURVEYS AND THE BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL MAKE, AT HIS EXPENSE, SUCH SUPPLEMENTAL INVESTIGATIONS, INCLUDING TONING AND TEST PITS, AS HE DEEMS NECESSARY TO DETERMINE THE EXACT LOCATIONS OF UTILITIES AND STRUCTURES.
- THE WORK OF THIS CONTRACT SHALL CONFORM TO ALL STATION, LOCAL, STATE, FEDERAL AND OTHER LAWS, REGULATIONS AND ORDINANCES THAT APPLY TO THIS PROJECT, INCLUDING, BUT NOT LIMITED TO, OSHA REGULATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE ALL CONSTRUCTION WITH NAVY PWC AND ALL THE UTILITY COMPANIES THROUGH THEIR DESIGNATED CONTACTS, KEEPING THE GOVERNMENT INFORMED AND COPIED ON ALL CORRESPONDENCE.
- THE CONTRACTOR SHALL MAINTAIN ALL EXCAVATIONS IN A DRY CONDITION.
- ALL EXISTING CURBING, SIDEWALK, CONCRETE PADS AND OTHER PAVEMENT DISTURBED BY CONSTRUCTION OPERATIONS SHALL BE REPLACED AND RESTORED, IN KIND, AS APPROVED.
- WHERE EXISTING MATERIALS ARE ENCOUNTERED WHICH, IN THE OPINION OF THE FEAD ARE UNSUITABLE FOR BEDDING OR OTHER INTENDED USE, SUCH MATERIALS SHALL BE REMOVED AND REPLACED WITH SUITABLE MATERIAL, AS SPECIFIED OR AS OTHERWISE DIRECTED. ANY UNSUITABLE SOILS REMOVED SHALL BE STOCKPILED ON GOVERNMENT PROPERTY AS DIRECTED BY THE CONTRACTING OFFICER.
- CONTRACTOR SHALL INSTALL AND MAINTAIN SHEETING AND BRACING OR OTHER SUITABLE TRENCH PROTECTION AS NECESSARY TO PROTECT WORKMEN AND THE PUBLIC ON OR NEAR THE SITE; PREVENT INJURIOUS CAVING OR EROSION, OR LOSS OF GROUND; MAINTAIN AT ALL TIMES PEDESTRIAN AND VEHICULAR TRAFFIC; AND PROTECT ADJACENT UTILITIES AND STRUCTURES.
- CONTINUOUS DUST CONTROL, USING CALCIUM CHLORIDE, LIGHT WATER SPRAY, OR OTHER APPROVED METHOD, SHALL BE PROVIDED FOR ALL EARTH STOCKPILES, EARTH PILED ALONG EXCAVATIONS AND SURFACES OF BACK FILLED TRENCHES, AS DIRECTED AND SPECIFIED.
- ALL EXISTING UTILITIES TO REMAIN, INCLUDING BUT NOT LIMITED TO WATER, SEWER, DRAINAGE, ELECTRIC, TELEPHONE, STEAM, AND AIR SHALL BE PROTECTED AT ALL TIMES BY THE CONTRACTOR.
- CONTRACTOR SHALL COMPLY WITH CONFINED SPACE ENTRY REQUIREMENTS.
- INSTALLATION SITE (IR) OOB, NUWC DISPOSAL SITE, INCLUDING NUWC POND, IS LOCATED IMMEDIATELY TO THE NORTH OF THE PROJECT SITE. CONTRACTOR IS ADVISED THAT NO ACTIVITIES SHOULD IMPACT OR INTRUDE INTO THESE AREAS.
- CONTRACTOR SHALL PERFORM GPR (GROUND PENETRATING RADAR) SURVEY TO VERIFY ALL LOCATIONS OF UNDERGROUND UTILITIES PRIOR TO ANY EXCAVATIONS.
- CONTRACTOR SHALL COMPLY WITH NAVAL STATION NEWPORT'S SOIL MANAGEMENT PLAN.
- NAVAL STATION NEWPORT (FORMERLY NAVAL EDUCATION & TRAINING CENTER) IS A NATIONAL PRIORITIES LIST (NPL) SITE FOR VARIOUS AREAS OF CONTAMINATION (ASOC). THESE AREAS ARE BEING STUDIED AND CLEANED UP UNDER THE NAVY'S INSTALLATION RESTORATION PROGRAM IN ACCORDANCE WITH THE COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITIES ACT (CERCLA). ASOC ARE LOCATED NEXT TO AND ON THE PROJECT SITE. PERSONNEL THAT DISTURB OR CONTACT SOILS IN ASOC MUST COMPLETE 40 HOURS OF TRAINING AND BE HAZWOPER CERTIFIED IN ACCORDANCE WITH OSHA'S 29 CFR 1910.120 HAZARDOUS WASTE OPERATIONS AND EMERGENCY (HAZWOPER) REGULATIONS. IN ADDITION, AN OFFSITE SITE RULE FORM MUST BE SUBMITTED TO THE USEPA FOR APPROVAL TO REMOVE SOILS FROM THE PROJECT SITE FOR OFFSITE DISPOSAL.

#### STORMWATER POLLUTION PREVENTION

- THE LIMITS OF ALL CLEARING, GRADING AND DISTURBANCE SHALL BE KEPT TO A MINIMUM WITHIN THE PROPOSED AREA OF CONSTRUCTION. ALL AREAS OUTSIDE THE LIMITS OF DISTURBANCE SHALL REMAIN TOTALLY UNDISTURBED.
- INSPECT ALL SEDIMENT AND EROSION CONTROL MEASURES EVERY 14 DAYS AND WITHIN 24 HOURS AFTER EVERY RAINFALL THAT PRODUCES RUNOFF.
- CONTRACTOR SHALL IMMEDIATELY REPAIR ANY AND ALL BREACHES IN SEDIMENT CONTROLS.
- MAINTENANCE AND INSPECTIONS: ROUTINELY INSPECT CONTROLS AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. AT MINIMUM, INSPECT CONTROLS ONCE EVERY 7 DAYS AND AFTER EACH RAIN EVENT PRODUCING 0.25 INCHES OF RAINFALL (OR MORE) OVER A 24 HOUR PERIOD. WHERE CONTROLS HAVE BEEN DAMAGE, SAGGED, RIPPED, OR FAILED, REPAIR OR REPLACE THEM UPON DISCOVERY OF THE FAILURE. CONTROLS ARE TO REMAIN IN PLACE UNTIL THE UP-GRADE DISTURBED AREA IS STABILIZED AND APPROVAL HAS BEEN GRANTED BY THE CONTRACTING OFFICER.
- CATCH BASINS SHALL BE PROTECTED WITH INLET PROTECTION THROUGHOUT THE CONSTRUCTION PERIOD AND UNTIL ALL DISTURBED AREAS ARE THOROUGHLY STABILIZED. SUMPS SHALL BE CLEANED WHENEVER SEDIMENT HAS ACCUMULATED TO (24") IN DEPTH AND IMMEDIATELY FOLLOWING INSTALLATION OF PERMANENT PAVEMENT. INSPECT STORM DRAINAGE IN-LINE WATER QUALITY UNIT MONTHLY AND AFTER ANY RAIN EVENT OF (1 INCH OR MORE) IN 24 HOURS. CLEAN PER MANUFACTURER'S REQUIREMENTS.
- REMOVE ALL TEMPORARY EROSION, SEDIMENT AND STORMWATER POLLUTION PREVENTION CONTROLS UPON COMPLETION OF THE PROJECT.
- TEMPORARY VEGETATION AND/OR STRAW MULCHING SHALL BE USED TO PROTECT BARE AREAS AND STOCKPILES FROM EROSION DURING CONSTRUCTION. BARE EARTH SLOPES AND SOIL STOCKPILES SHALL BE KEPT TO A MINIMUM AT ALL TIMES. TEMPORARY SEEDING OR MULCHING SHALL BE INSTALLED ON ALL BARE EARTH PRIOR TO ENDING CONSTRUCTION FOR THE WINTER AND AS OTHERWISE NECESSARY.

SPECIES	SEEDING RATES POUNDS PER 1,000 FT. SQ.	OPTIMUM SEEDING DATES
ANNUAL RYE GRASS	1.5	3/1-6/15 AND 8/15-10/1
PERENNIAL RYE GRASS OR WINTER RYE	2.5	8/15-10/1*
MILLET OR SUNAGRASS	1.0	5/15-8/15

\* WINTER RYE SHALL BE UTILIZED FOR ALL SEEDING AFTER OCTOBER 1.

- AS SOON AS WEATHER PERMITS AFTER THE COMPLETION OF FINE GRADING, ALL DISTURBED AREAS SHALL BE PERMANENTLY STABILIZED WITH PLACEMENT OF LOAM AND A SUITABLE CONSERVATION GRASS SEED MIXTURE, AND COVERED WITH A MAT OF LOOSE STRAW PRIOR TO THE COMPLETION OF THE PROJECT. AREAS EXPOSED FOR EXTENDED PERIODS ARE TO BE COMPLETELY COVERED WITH LOOSE STRAW MULCH.

#### SHEET NUMBERS

SHEET #	DESCRIPTION	REVISIONS
1 of 12	TITLE SHEET	
2 of 12	EXISTING CONDITIONS	
3 of 12	EXISTING UTILITY PLAN	
4 of 12	PROPOSED LAYOUT	
5 of 12	PROPOSED LAYOUT WITH DIMENSIONS	
6 of 12	SAND FILTER DETAILS	
7 of 12	EROSION CONTROL	
8 of 12	DRAIN, STRIPING AND SIGNAGE DETAILS	
9 of 12	PAVEMENT AND TRENCH DETAILS	
10 of 12	CURBING DETAILS	
11 of 12	LIGHTING PLAN	
12 of 12	LIGHTING DETAILS	

#### LEGEND & ABBREVIATIONS

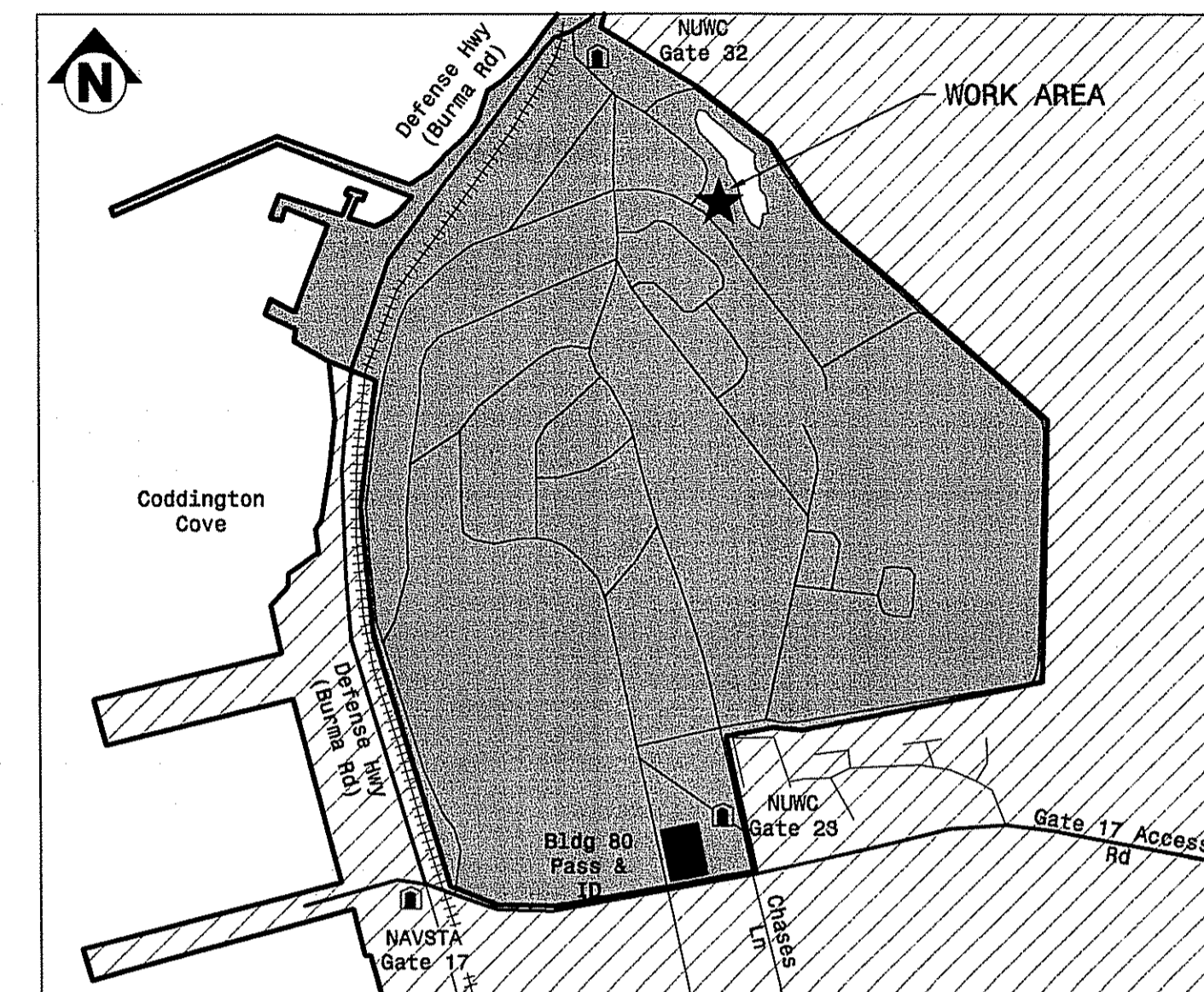
□ CB	CATCH BASIN	BLDG.	BUILDING
DH	DRILL HOLE	TYP.	TYPICAL
○ DMH	STORM DRAIN MANHOLE	(R)	DENOTES FROM RECORD DRAWINGS
○ EHH	ELECTRIC HANDHOLE	VCP	VITREOUS CLAY PIPE
○ EMH	ELECTRIC MANHOLE	[Symbol]	CEMENT CONCRETE AND WALK
◇ FH	FIRE HYDRANT	[Symbol]	CRUSHED STONE TRACKING PAD
RCP	REINFORCED CONCRETE PIPE	[Symbol]	PAINTED ISLAND OR HANDICAPPED PARKING STALL
○ SMH	SEWER MANHOLE	[Symbol]	REMOVE AND DISPOSE OF EXISTING ASPHALT
○ STMH	STEAM MANHOLE	[Symbol]	SILT FENCE
○ TMH	TELEPHONE MANHOLE	[Symbol]	NEW LANDSCAPING TO BE INSTALLED
○ WMH	WATER MANHOLE	[Symbol]	
D	DRAIN LINE (STORM WATER)	[Symbol]	
E	ELECTRIC LINE	[Symbol]	
S	SEWER LINE	[Symbol]	
ST	STEAM LINE	[Symbol]	
T	TELEPHONE LINE	[Symbol]	
W	WATER LINE	[Symbol]	
+ 73.86	SPOT ELEVATION	[Symbol]	
54.376	TOP & BOTTOM CURB ELEVATION	[Symbol]	
54.244	INTERMEDIATE CONTOUR	[Symbol]	
[Symbol]	APPROXIMATE WETLAND LIMIT	[Symbol]	
[Symbol]	APPROXIMATE PERIMETER WETLAND LIMIT	[Symbol]	

#### TOPOGRAPHIC SURVEY NOTES

- SUBSURFACE UTILITY LINES, AS SHOWN HEREON, WERE COMPILED FROM AVAILABLE RECORD INFORMATION. THEIR LOCATIONS ARE APPROXIMATE ONLY. ACTUAL LOCATIONS MUST BE DETERMINED IN THE FIELD.

#### DEMOLITION NOTES

- ALL GRANITE CURB REMOVED SHALL BE SALVAGED AND STORED FOR REUSE. ANY QUANTITY IN EXCESS OF AMOUNT REQUIRED FOR THIS PROJECT SHALL BE RETURNED TO THE GOVERNMENT.



NAVAL UNDERSEA WARFARE CENTER DIVISION  
NEWPORT, RI

NO.	DATE	BY	DESCRIPTION
1	2/16	S. TILLEY	ASOC NOTE (NOTE 17) ADDED
2	2/16	S. HASLAM	
3	2/16	R. NELSON	
4	2/16		
5	2/16		
6	2/16		
7	2/16		
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16	2/16		
17	2/16		

NAVAL UNDERSEA WARFARE CENTER  
FACILITIES BRANCH  
NEWPORT, RHODE ISLAND

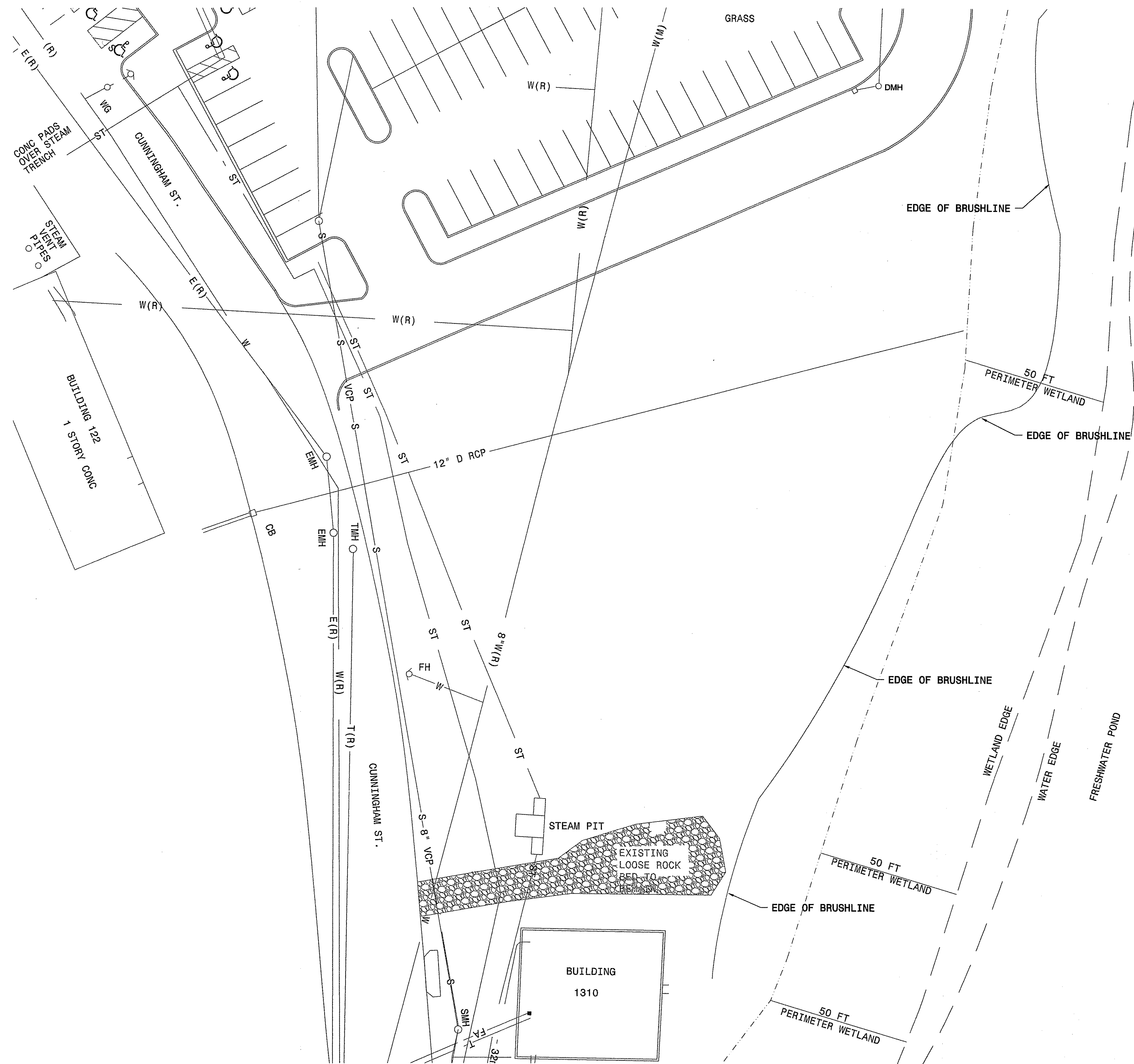
BLDG 1371 - NUWC DIVNPT  
NORTH PARKING AREA  
TITLE SHEET

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
REVIEWED SITE PLAN APPLICATION NO. 17-0242  
DATED NOV 16 2017  
SEE LETTER OF SAME DATE.

SCALE: ANSI D  
SCALE: AS NOTED

SHEET 1 OF 12

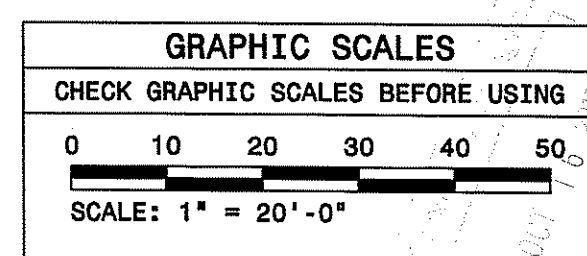




Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.

**EXISTING UTILITY PLAN**

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PROGRAM  
 REVIEWED SITE PLAN APPLICATION NO.: 17-0242  
 DATED NOV 16 2017  
 SEE LETTER OF SAME DATE



DRAWING NO.		16-18A	
PROJECT TITLE		BLDG 1371 - NUWCDIVNPT NORTH PARKING AREA EXISTING UTILITY PLAN	
DRAWN BY		S. TILLEY	
CHECKED BY		S. HASLAM	
DATE		2/16	
APPROVED BY		R. NELSON	
DATE		2/16	
DESCRIPTION		NAVAL UNDERSEA WARFARE CENTER FACILITIES DEPARTMENT	
DATE		2/16	
APPROVED		[Signature]	
SCALE		SCALE: AS NOTED	
SHEET		3 OF 12	

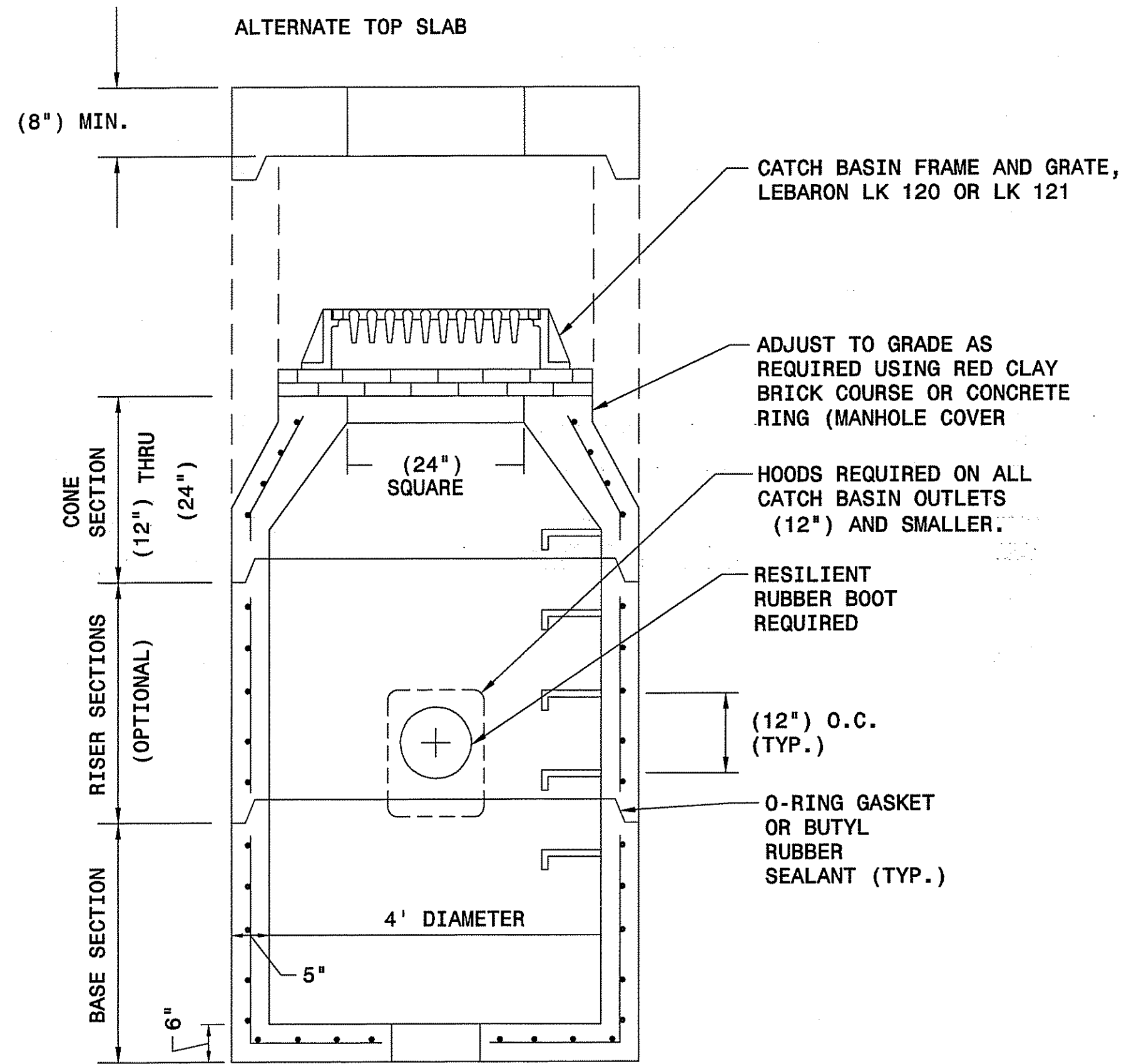
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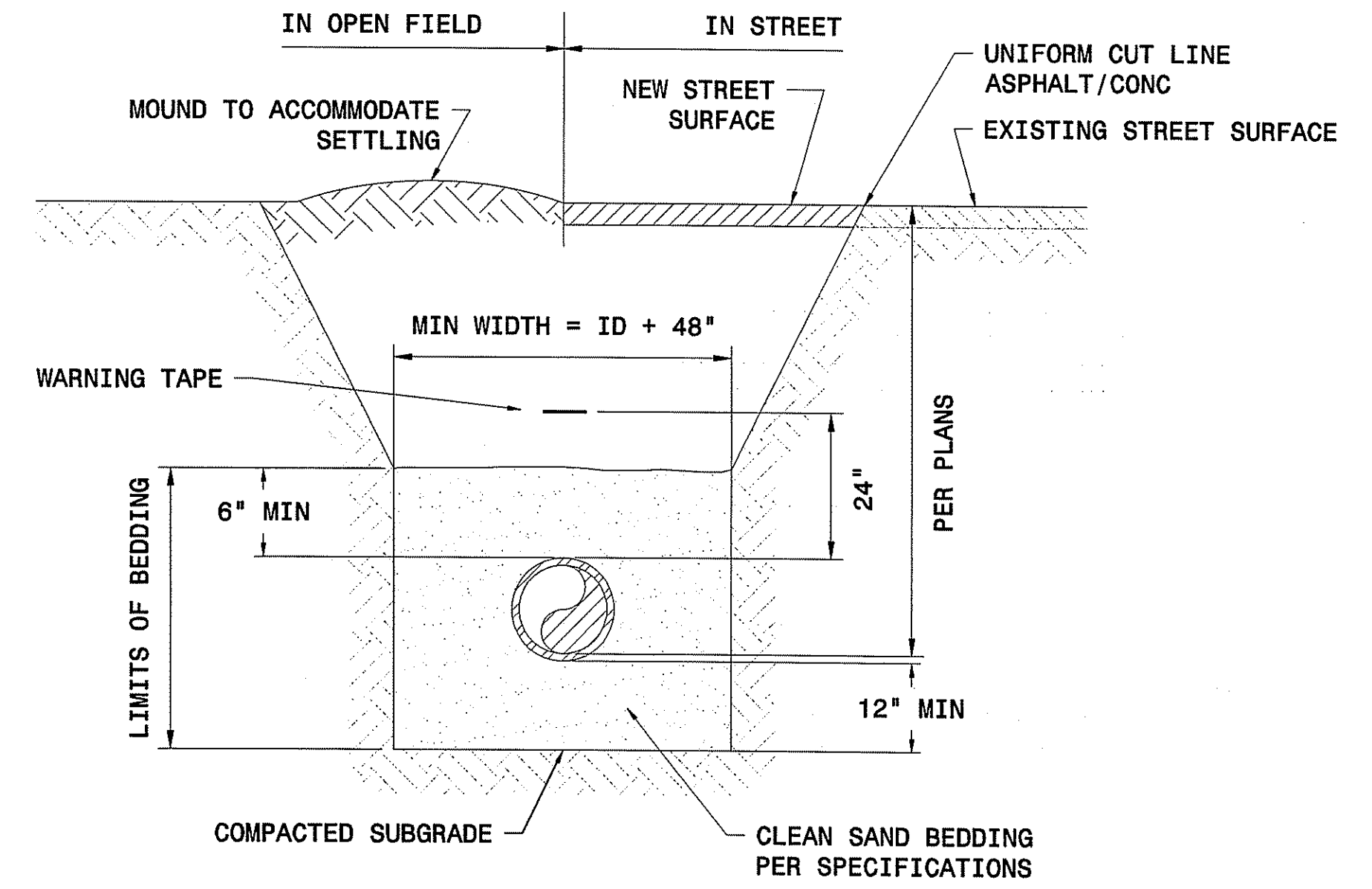




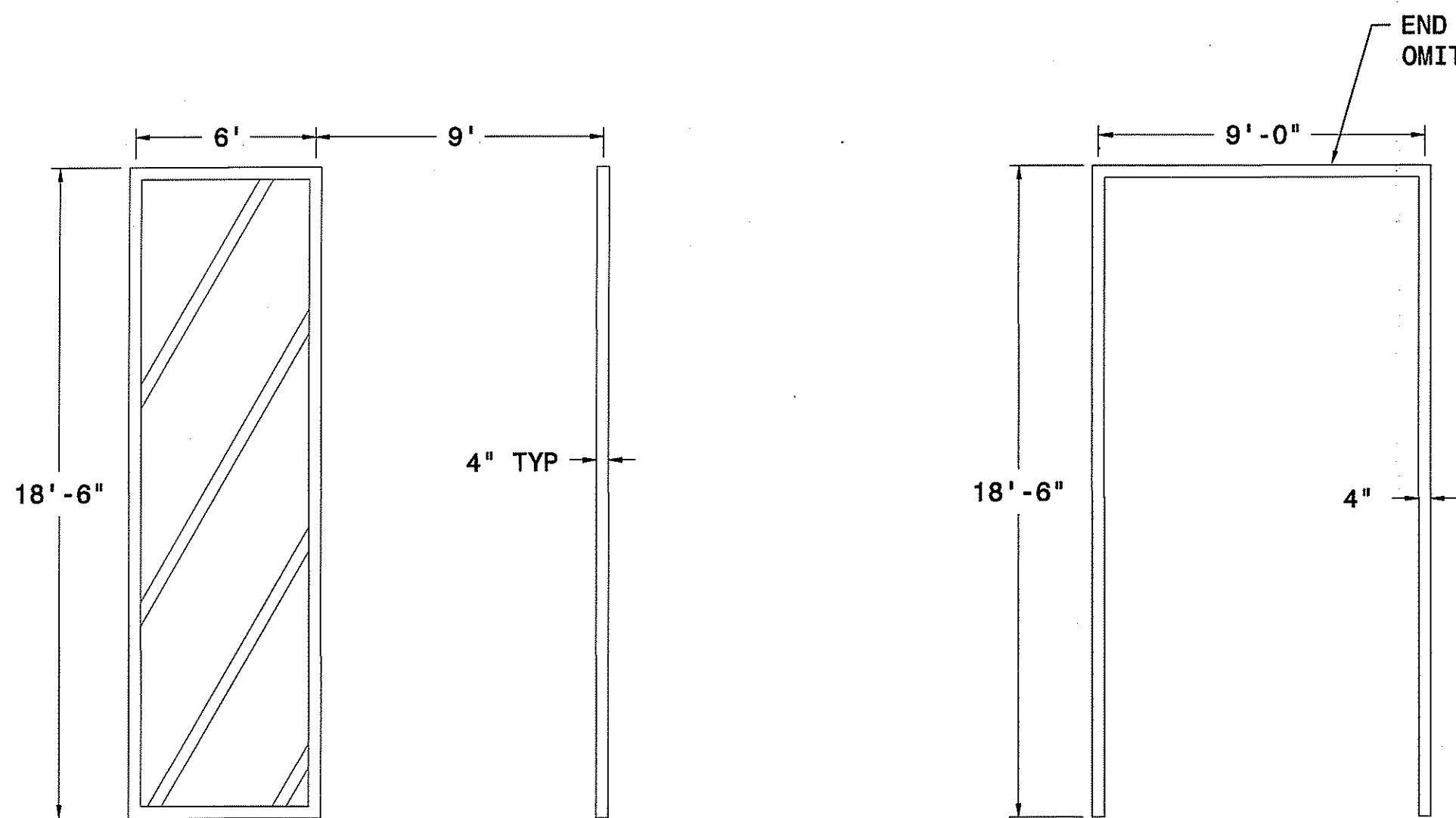
**NEW STORM CATCH BASIN**  
NOT TO SCALE

**GENERAL NOTES**

1. ALL REINFORCING STEEL MUST CONFORM TO THE LATEST ASTM A 185 AND/OR A615 GRADE 60. SEE TABLE 1 FOR STEEL REINFORCEMENT REQUIREMENT.
2. STEEL REINFORCEMENT FOR BASE SECTION BOTTOM SHALL BE A MIN. OF (0.12 SQ. IN./LINEAL FT) (BOTH WAYS).
3. CATCH BASIN SPECIFICATIONS SHALL CONFORM TO LATEST ASTM C478 SPEC. FOR "PRECAST REINFORCED CONCRETE MANHOLE SECTIONS" WITH THE EXCEPTION OF PORTLAND CEMENT CONCRETE MIX DESIGN AND MATERIALS REQUIREMENTS, WHICH SHALL CONFORM WITH SECTION 600 OF THE RI STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. ALL PORTLAND CEMENT CONCRETE SHALL HAVE A MIN. 28 DAY STRENGTH OF 4000PSI.
4. MORTAR SHALL CONFORM TO RI STATE STANDARDS.
5. PROVIDE ONE-POUR MONOLITHIC BASE SECTION.
6. PROVIDING ANY NECESSARY ADJUSTMENTS DURING CONSTRUCTION SHALL BE DONE BY SAW-CUTTING AND/OR CORING ONLY. NO JACKHAMMERS, HAMMERS AND CHISELS OR PNEUMATIC TOOLS WILL BE ALLOWED.
7. THE CENTER OF THE CATCH BASIN OR MANHOLE OPENING SHALL BE WITHIN (2'-0") OF THE STEPS.
8. FOR LONGITUDINAL (VERTICAL STANDING) REINFORCEMENT REFER TO ASTM C478, ITEM 8.1.2
9. CIRCUMFERENTIAL STEEL REINFORCEMENT REQUIRED (0.12 SQ. IN./LINEAL FT)

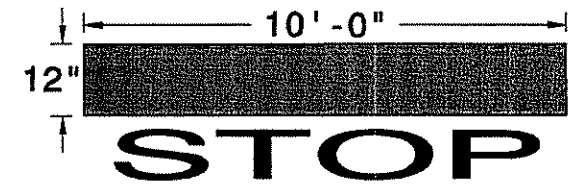


**STORM DRAIN TRENCH DETAIL**  
NOT TO SCALE

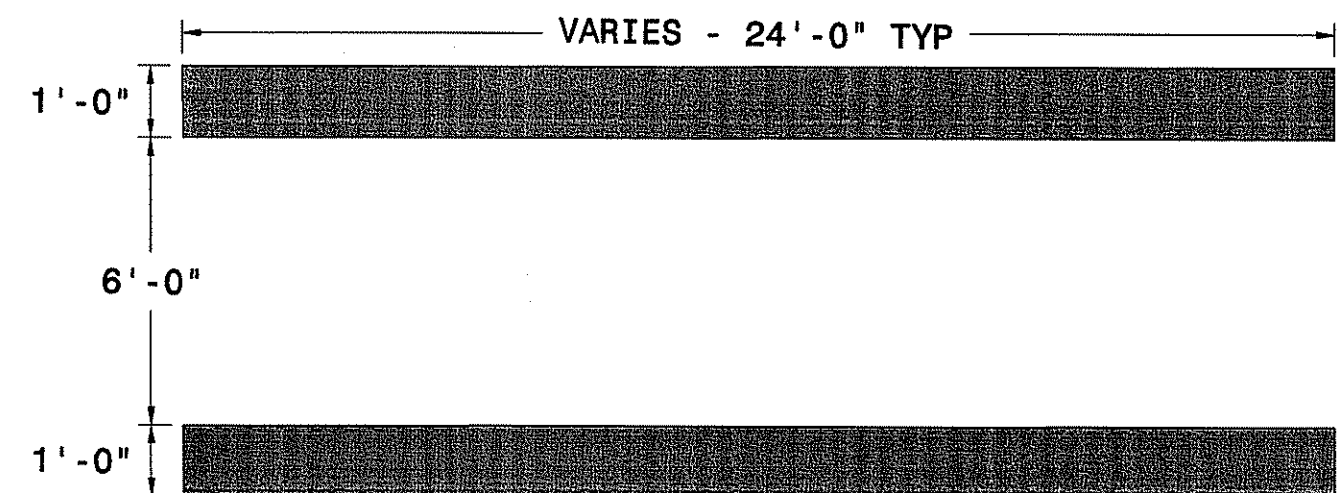


**HATCHED WALKWAY AREA**  
NOT TO SCALE

**PARKING STALL**  
NOT TO SCALE



**STOP BAR/ CROSSWALK**  
NOT TO SCALE



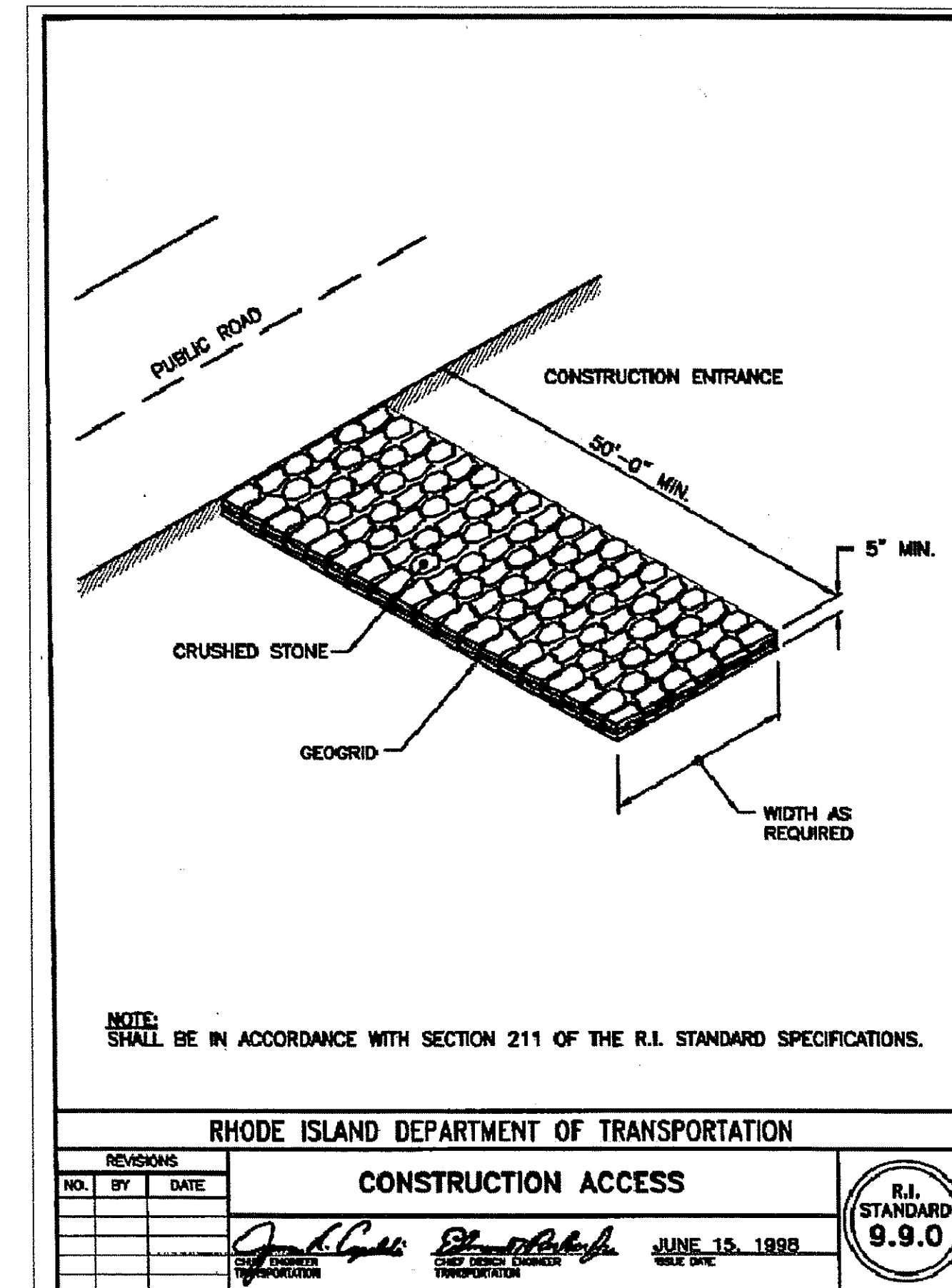
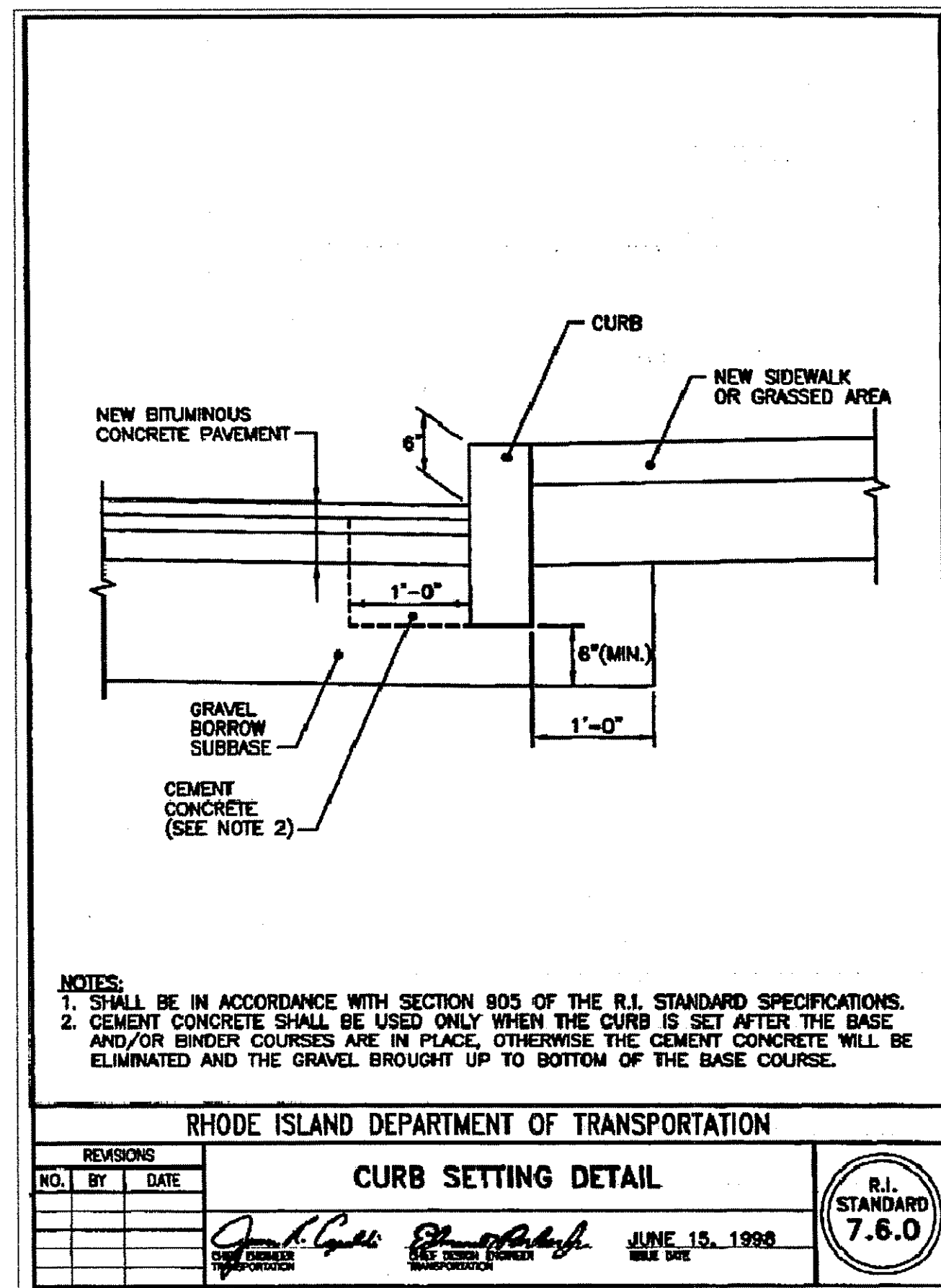
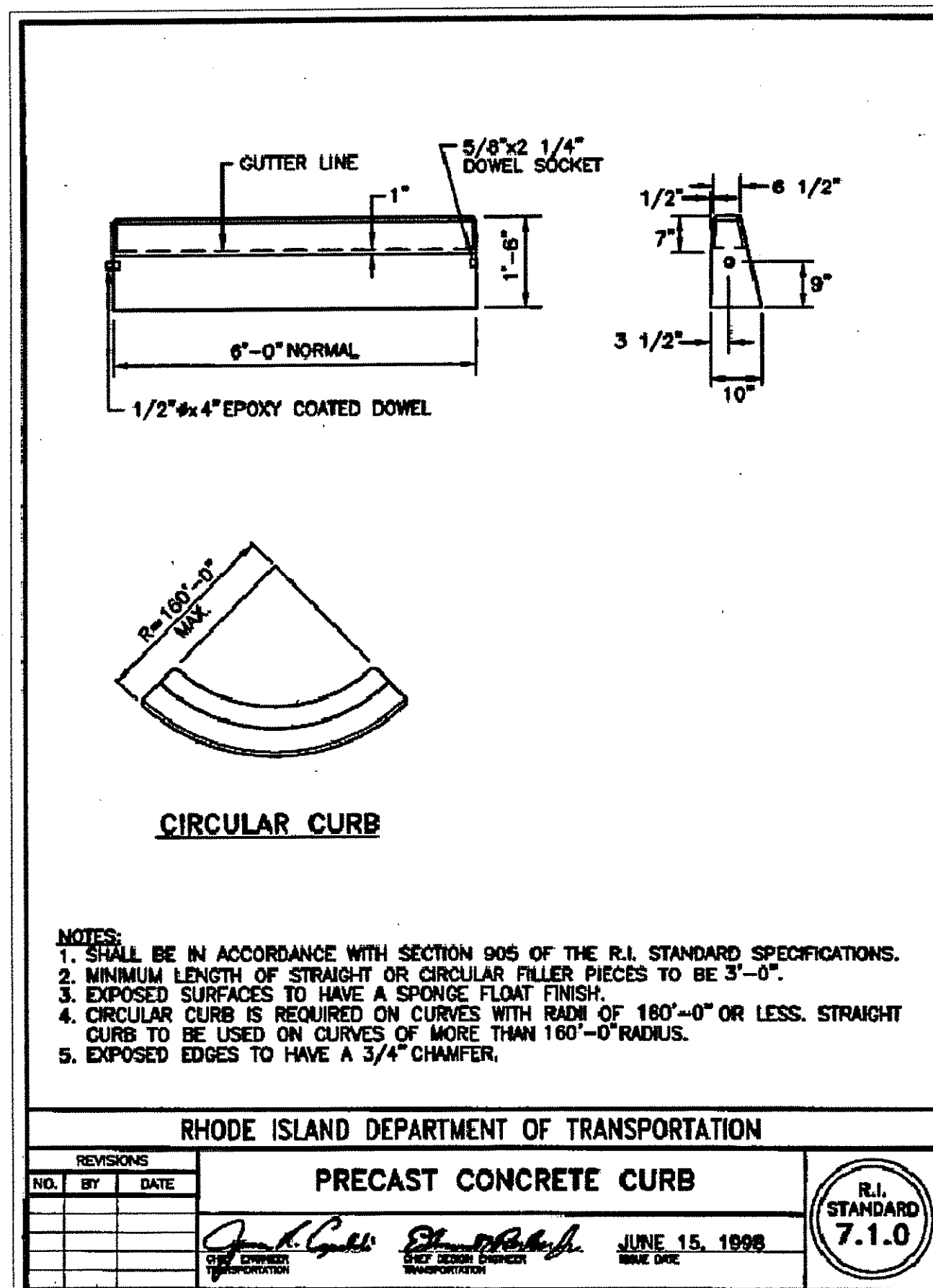
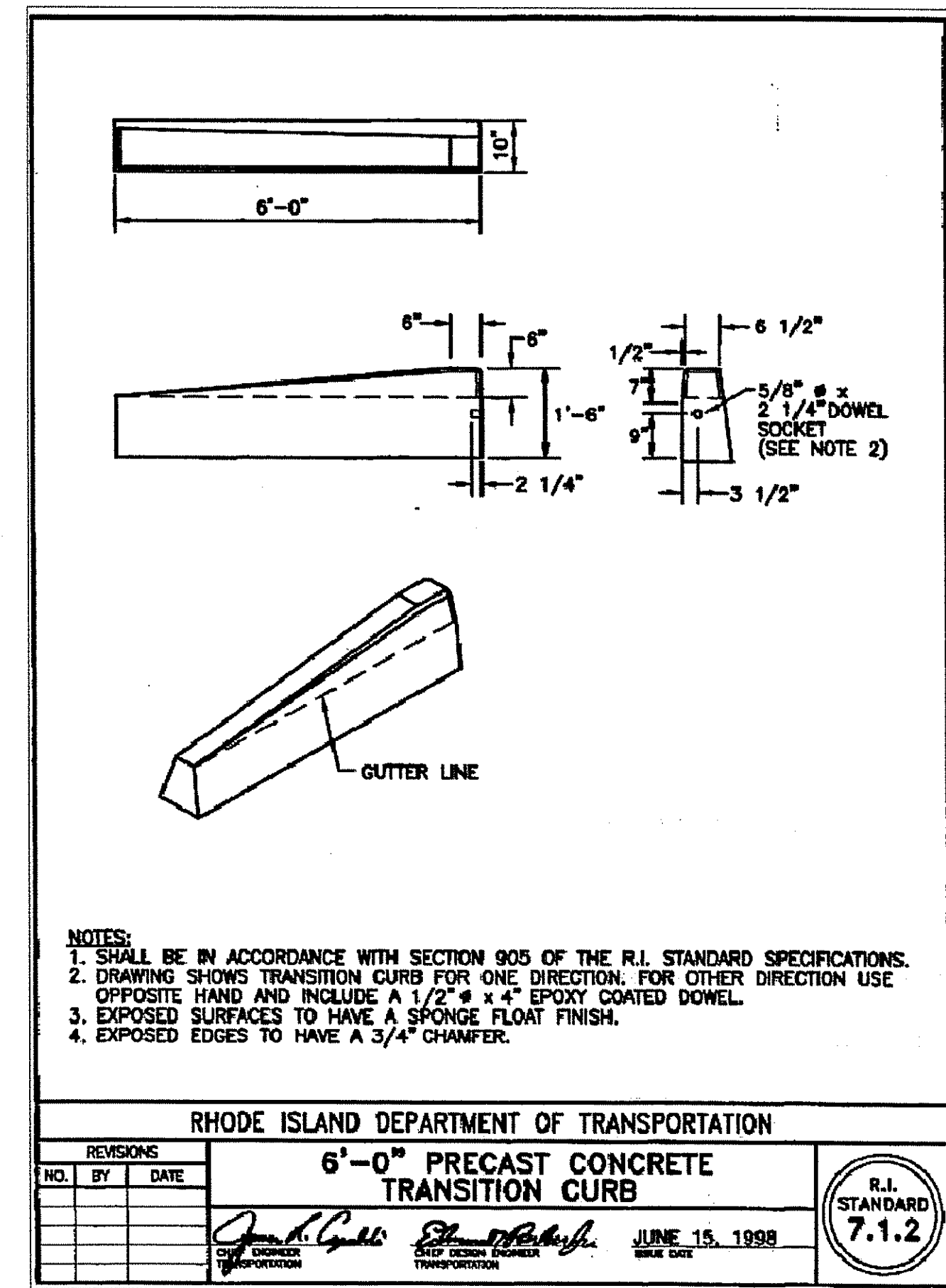
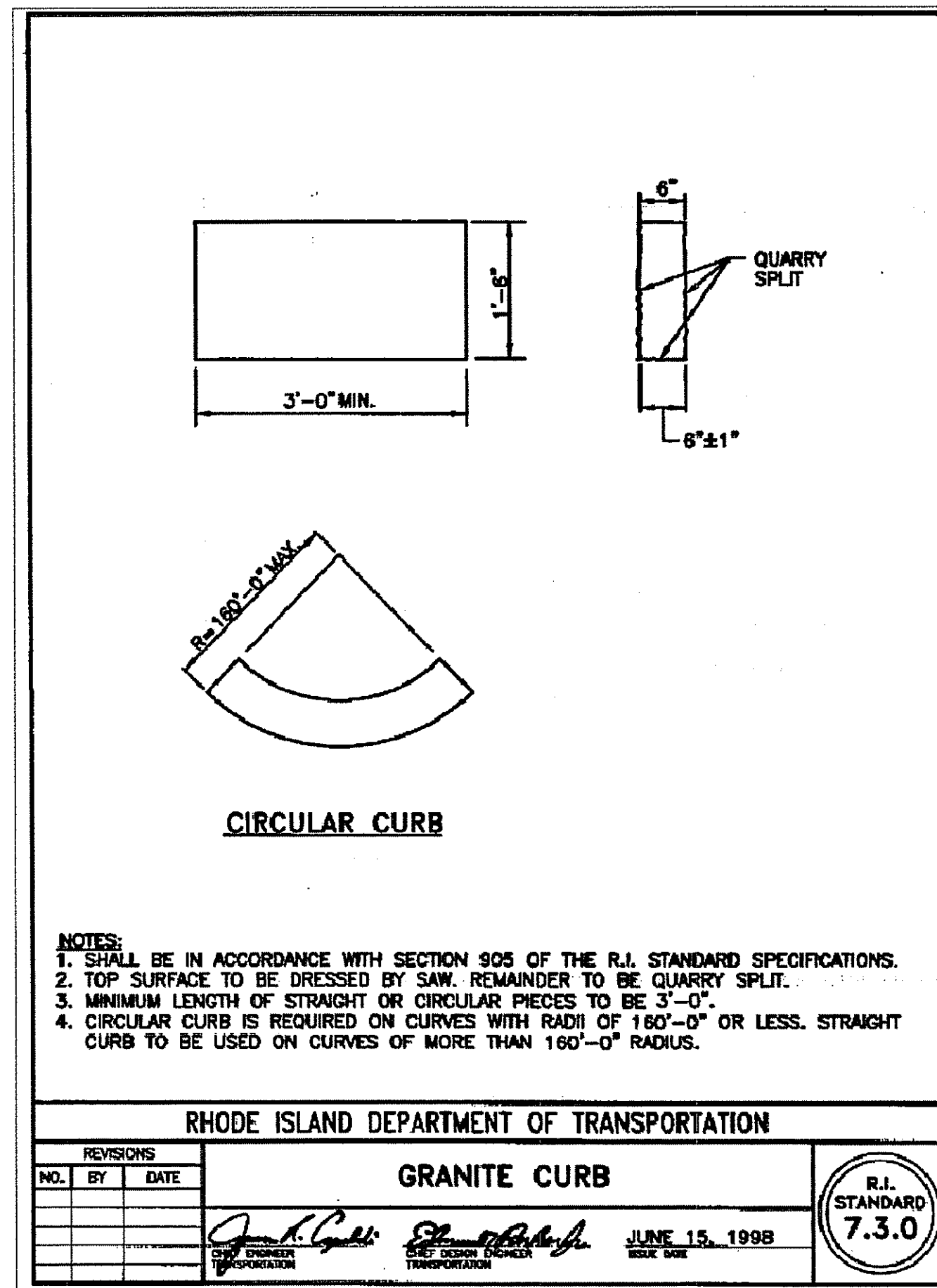
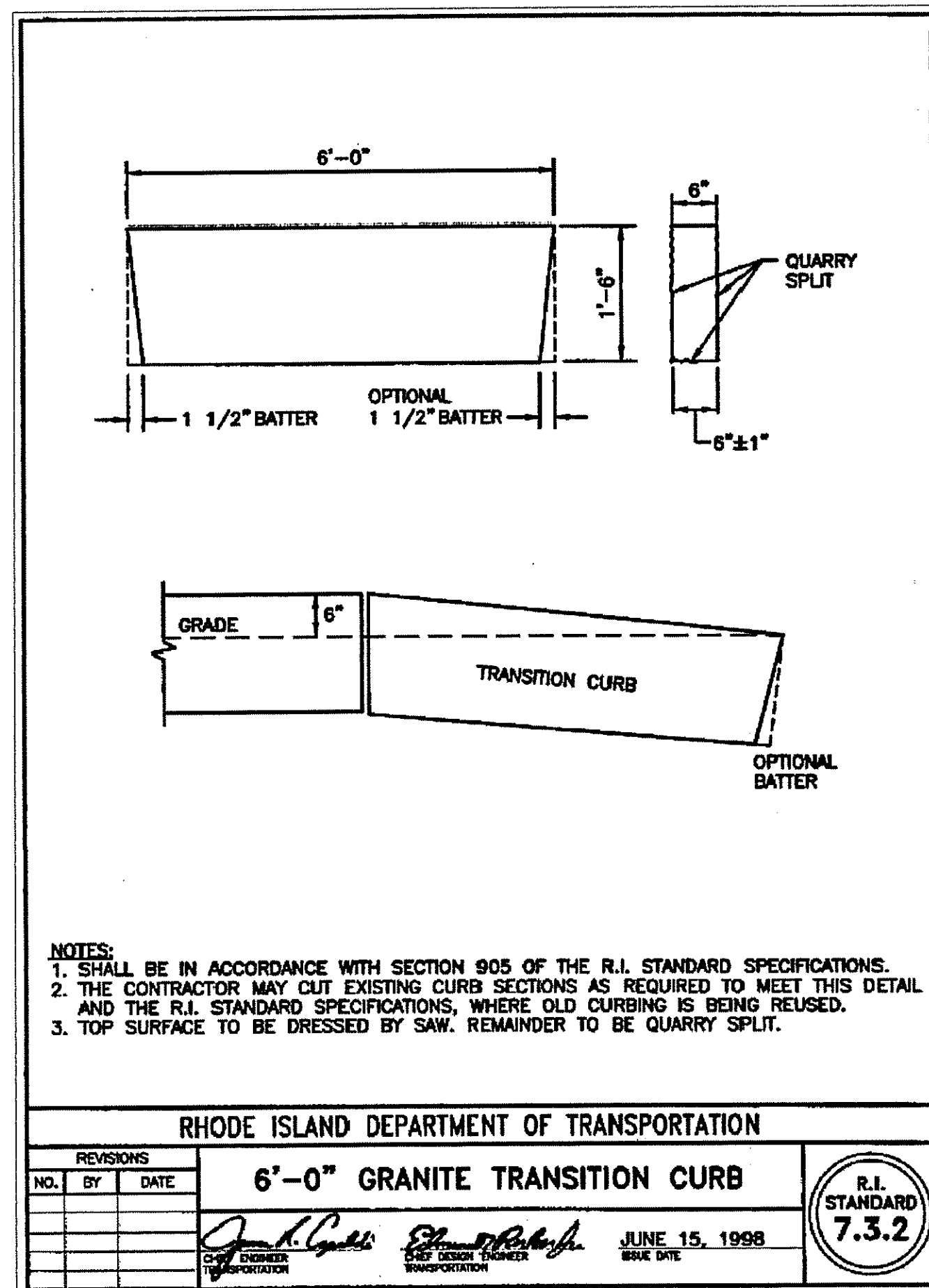
**UNSIGNALLED PEDESTRIAN CROSSWALK SIGNS (R1-5)**

DATE	APPR.	DESCRIPTION	SYM	REVISIONS
2/16				
2/16				
2/16				

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF WATER RESOURCES FRESHWATER WETLANDS PROGRAM REVIEWED SITE PLAN APPLICATION NO.: 17-0242 DATED NOV 16 2017 SEE LETTER OF SAME DATE. <i>Christopher D. Wenzel</i>
DRAWN BY: S. TILLEY CHECKED BY: S. HASLAM DATE: 2/16 DATE: 2/16 DATE: 2/16 DATE: 2/16 DATE: 2/16 DATE: 2/16
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND NAVAL UNDERSEA WARFARE CENTER DIVISION NEWPORT, RHODE ISLAND FACILITIES INFRASTRUCTURE BRANCH BLDG 1371 - NUWC/DIVNPT NORTH PARKING AREA DRAIN, STRIPING AND SIGNAGE DETAILS
NAME DRAWING NO.: 16-18A SIZE: ANSI D SCALE: AS NOTED CONTRACT NO.: SPEC. NO.: SHEET 8 OF 12





DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PROGRAM  
 REVIEWED SITE PLAN APPLICATION NO.: 17-0242  
 DATED NOV. 16, 2017.  
 SEE LETTER OF SAME DATE.  
*Christopher D. Senack*

NAVAL UNDERSEA WARFARE CENTER  
 FACILITIES DEPARTMENT  
 NAVAL FACILITIES ENGINEERING COMMAND  
 NAVAL UNDERSEA WARFARE CENTER DIVISION  
 FACILITIES INFRASTRUCTURE BRANCH  
 NEWPORT, RHODE ISLAND  
**BLDG 1371 - NUWCDIVNPT**  
 NORTH PARKING AREA  
 CURBING DETAILS

DATE: 2/16  
 DATE: 2/16  
 DATE: 2/16  
 DATE: 2/16  
 DATE: 2/16  
 DATE: 2/16

DRAWN BY: S. TILLEY  
 CHECKED BY: S. HASLAM  
 DESIGNED BY: R. NELSON  
 SUBMITTED TO: [ ]  
 APPROVED: [ ]

NAVFAC DRAWING NO.: 16-18A  
 SIZE: ANSI D  
 SCALE: AS NOTED  
 CONTRACT NO.: [ ]  
 SPEC. NO.: [ ]  
 SHEET 10 OF 12

REVISIONS  
 NO. BY DATE  
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