

SITE PLANS

FOR THE

SANDY ACRES

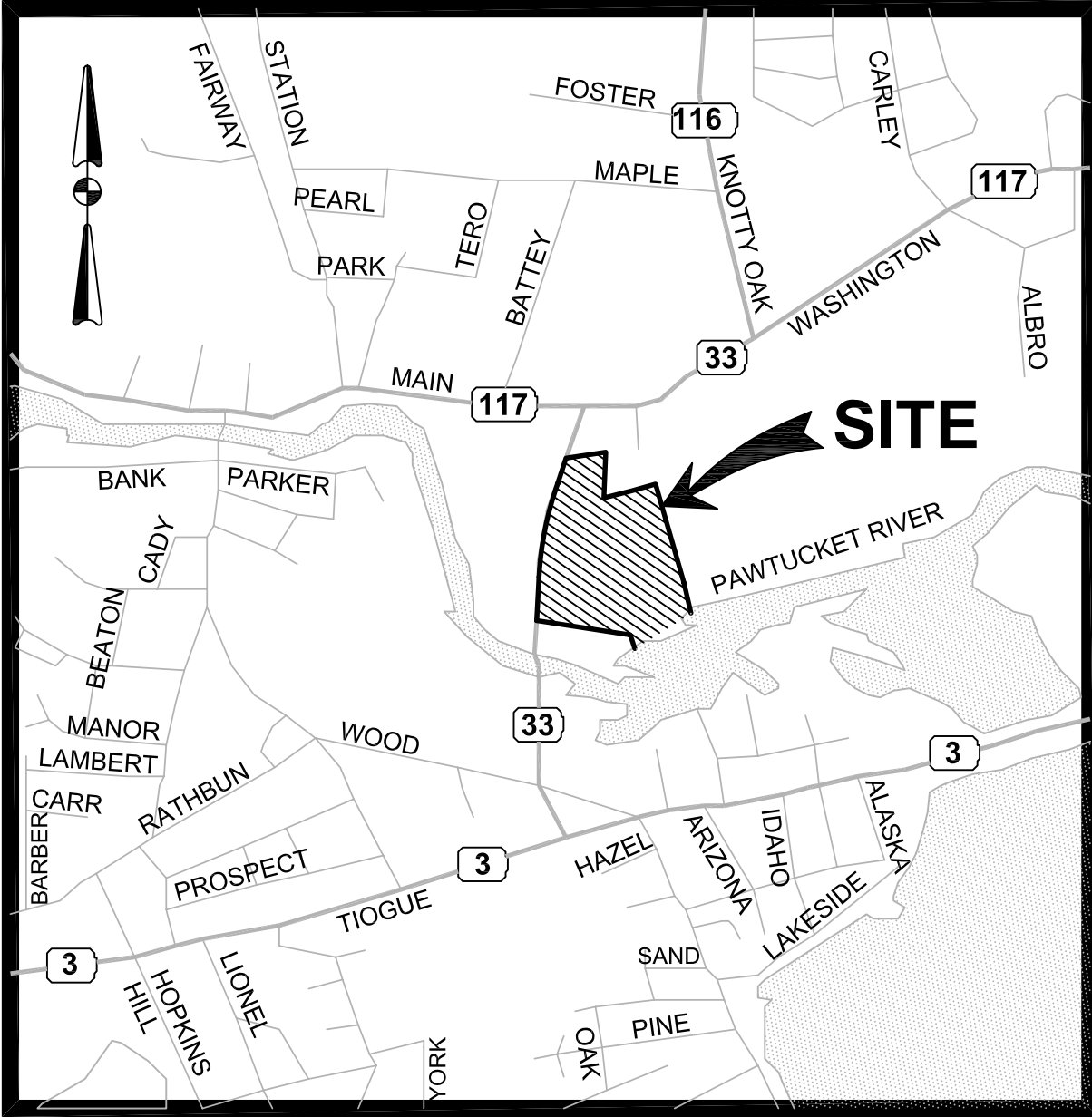
RECREATIONAL AREA

ON ASSESSOR'S PLAT 46, LOT 37 AND

ASSESSOR'S PLAT 38, LOT 178

100 SANDY BOTTOM ROAD

COVENTRY, RHODE ISLAND



LOCATION MAP

NOT TO SCALE

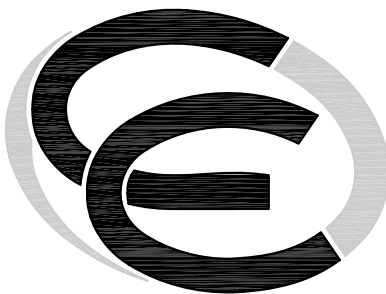
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LANDSCAPE ARCHITECT:

THE GIFFORD
DESIGN GROUP, Inc.
LANDSCAPE ARCHITECTURE
ENVIRONMENTAL PLANNING
4096 MENDON ROAD, CUMBERLAND, RHODE ISLAND 02864
PHONE: (401) 671-6336 FAX: (401) 671-6466

CIVIL ENGINEERS AND SURVEYORS:



- Civil
- Transportation
- Environmental
- Site Planning
- Land Surveying

CROSSMAN ENGINEERING
| a division of Crossman Corporation |

151 Centerville Road | Warwick, Rhode Island 02886
Phone: (401) 738-5660 | Fax: (401) 738-8157

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APPLICANT / OWNER:

TOWN OF COVENTRY
C/O GUY LEFEBVRE, DIRECTOR OF PARKS AND RECREATION
1670 FLAT RIVER ROAD
COVENTRY, RI 02816
PHONE: 401-822-9107

AGENCY REVIEW SUBMISSION -
NOT FOR CONSTRUCTION

REVISIONS:

NO.:	DATE:	DESCRIPTION:
1	12/8/10	RIDEM AND RIDOT COMMENTS
2	1/31/11	US FISH AND WILDLIFE COMMENTS

JUNE 2010
SHEET 1 OF 14

GENERAL NOTES:

1. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW ALL DRAWINGS AND SPECIFICATIONS ASSOCIATED WITH THIS PROJECT PRIOR TO THE INITIATION OF WORK. SHOULD THE CONTRACTOR FIND A CONFLICT WITH THE DOCUMENTS, RELATIVE TO THE SPECIFICATIONS OR APPLICABLE CODES, IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE PROJECT ENGINEER OF RECORD IN WRITING PRIOR TO THE START OF CONSTRUCTION. FAILURE BY THE CONTRACTOR TO NOTIFY THE PROJECT ENGINEER SHALL CONSTITUTE ACCEPTANCE OF FULL RESPONSIBILITY BY THE CONTRACTOR TO COMPLETE THE SCOPE OF WORK AS DEFINED BY THE DRAWINGS AND IN FULL CONFORMANCE WITH LOCAL REGULATIONS AND CODES.
2. ALL EXISTING UTILITIES HAVE BEEN PLOTTED BASED UPON BEST AVAILABLE INFORMATION AND REPRESENT APPROXIMATE LOCATIONS. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL EXISTING DRAINAGE AND UTILITIES, BOTH UNDERGROUND AND OVERHEAD, BEFORE EXCAVATION BEGINS IN ACCORDANCE WITH "DIG SAFE PROGRAM LAW" ENACTED BY LOCAL LEGISLATURE AND BY CONTACTING THE INDIVIDUAL UTILITY COMPANIES. EXCAVATION SHALL BE IN ACCORDANCE WITH ALL STATUTES, ORDINANCES, RULES AND REGULATIONS OF ANY TOWN, STATE OR FEDERAL AGENCY THAT MAY APPLY. ANY DAMAGE TO EXISTING UTILITIES SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
3. SPECIFICATIONS TO GOVERN THIS PROJECT ARE R.I.D.O.T. STANDARD SPECIFICATIONS AND LATEST COMPILATION OF APPROVED SPECIFICATIONS. FOR ALL EXCAVATION, PLACEMENT OF FILL, PIPE INSTALLATION, BITUMINOUS PAVEMENT, CUTTING INTO CATCH BASIN/MANHOLES, CONCRETE AND SAWCUTTING, THE CONTRACTOR SHALL PERFORM THE WORK IN FULL COMPLIANCE WITH THE RHODE ISLAND DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2004 EDITION, WITH LATEST REVISIONS UNLESS OTHERWISE SHOWN ON PLANS. STANDARD DETAILS FOR THIS PROJECT ARE RHODE ISLAND STANDARD DETAILS. PROJECT SPECIFIC SPECIFICATIONS AND DETAILS SHOWN ON THE DESIGN PLANS SHALL SUPERCEDE THE RIDOT SPECIFICATIONS AND DETAILS.
4. THE CONTRACTOR MUST VERIFY PRIOR TO CONSTRUCTION THAT ALL REQUIRED AUTHORIZATION TO PERFORM WORK HAS BEEN OBTAINED. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION OPERATIONS INCLUDING ALL ACTIONS OR OMISSIONS OF ANY SUBCONTRACTORS, AGENTS OR EMPLOYEES. THE CONTRACTOR MUST ENSURE THAT THE CONDITIONS OF ALL PERMITS, SPECIFICATIONS AND FEDERAL, STATE AND LOCAL REGULATIONS ARE STRICTLY ENFORCED. THE CONTRACTOR IS ALSO RESPONSIBLE FOR ASPECTS OF ON-SITE SAFETY INCLUDING ANY DAMAGE TO EXISTING STRUCTURES.
5. WORK SHOWN ON THE PLANS FOR WHICH THERE ARE NO PARTICULAR DETAILS OR SPECIFICATIONS DOES NOT RELIEVE THE CONTRACTOR FROM FURNISHING AND INSTALLING THE WORK. THE CONTRACTOR SHALL THOROUGHLY EXAMINE THE CONTRACT DOCUMENTS AND PLANS AND INSPECT THE SITE, AND THE BID PRICE SHALL INCLUDE ALL SERVICES AND MATERIALS NECESSARY TO COMPLETE THE PROJECT. ANY CHANGES TO THE PROJECT OR THE INSTALLATION OF AN ITEM FOR WHICH NO PARTICULAR DETAIL OR SPECIFICATION WAS PROVIDED MUST BE REVIEWED BY AND MUST BE ACCEPTABLE TO THE ENGINEER.
6. ALL DISTURBED AREAS SHALL BE REPLACED IN KIND UNLESS OTHERWISE SHOWN.
7. ALL STUMPS AND ROOTS ARE TO BE REMOVED AND DISPOSED OF OFF THE SITE IN ACCORDANCE WITH STATE, FEDERAL AND LOCAL REGULATIONS.
8. THE CONTRACTOR IS RESPONSIBLE FOR ALL UTILITY COORDINATION, UTILITIES INVOLVED INCLUDE:
VERIZON
NATIONAL GRID
COVENTRY PUBLIC WORKS
KENT COUNTY WATER AUTHORITY
COVENTRY SEWER DEPARTMENT
NATIONAL GRID GAS
9. ANY DAMAGED OR DETERIORATED EXISTING PIPE/STRUCTURE SHALL BE REPLACED IN KIND AND MATCH EXISTING HORIZONTAL AND VERTICAL LAYOUT.
10. ALL PAVEMENT MARKINGS AND SIGNS ARE TO BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES," (M.U.T.C.D.), LATEST EDITION.
11. CROSSMAN ENGINEERING, INC. HAS NOT BEEN RETAINED TO OVERSEE CONSTRUCTION, THEREFORE, SHALL NOT BE RESPONSIBLE IN ANY WAY FOR CONSTRUCTION OPERATIONS, OR ANY ACTIONS OR OMISSIONS OF THE CONTRACTOR, ANY SUBCONTRACTORS, THEIR AGENTS OR EMPLOYEES. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT THE CONDITIONS OF ALL PERMITS, SPECIFICATIONS, AS WELL AS FEDERAL, STATE AND LOCAL REGULATIONS ARE STRICTLY ENFORCED. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR ALL ASPECTS OF ON-SITE SAFETY.
12. EMBANKMENT SLOPES AND ALL DISTURBED AREAS ARE TO RECEIVE 4" LOAM AND SEED, UNLESS OTHERWISE SHOWN.
13. THE DRAINAGE SYSTEM SHALL BE CLEANED BY THE CONTRACTOR PRIOR TO ACCEPTANCE OF THE PROJECT AT NO ADDITIONAL COST.
14. THE SITE PLANS REPRESENT THE GENERAL SITE LAYOUT AND CONSTRUCTION REQUIREMENTS AND DOES NOT REPRESENT ALL DETAILS AND SPECIFICATIONS NECESSARY FOR CONSTRUCTION. REFER TO THE CONTRACT DOCUMENTS AND SUPPLEMENTAL SPECIFICATIONS.
15. ASPHALT EMULSION TACK COAT SHALL BE PLACED PRIOR TO INSTALLING PAVEMENT ON ANY COURSE WHICH HAS BEEN OPEN TO TRAFFIC OR ANY NEW COURSE WHICH HAS BEEN EXPOSED FOR MORE THAN 3 DAYS. IT SHALL ALSO BE APPLIED TO VERTICAL PAVEMENT FACES BETWEEN ADJOINING PAVEMENT SECTIONS.
16. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS, DIMENSIONS AND GRADES ON SITE PRIOR TO CONSTRUCTION AND SHALL IMMEDIATELY REPORT ANY DISCREPANCIES OR DEVIATIONS FROM THE CONSTRUCTION PLANS TO THE OWNER AND ENGINEER. THE CONTRACTOR SHALL ALSO REPORT ANY CONDITIONS UNCOVERED IN THE WORK THAT ARE NOT REFLECTED WITHIN THE PLANS.
17. THE CONTRACTOR SHALL, UNDER THE DIRECTION OF THE OWNER, ESTABLISH CONSTRUCTION LIMITS ON THE SITE BY ACCEPTABLE VISIBLE MARKERS PLACED AT EYE LEVEL. ALL WORK AND EQUIPMENT SHALL BE CONFINED TO WITHIN THESE LIMITS. THE CONTRACTOR SHALL REMOVE ALL MARKERS WHEN DIRECTED BY OWNER.
18. THE CONTRACTOR SHALL STRIP AND STOCKPILE EXISTING LOAM FROM THOSE AREAS THAT ARE TO BE EXCAVATED OR FILLED AND TO WITHIN THE PROJECT LIMITS. STOCKPILED LOAM SHALL NOT BE MIXED WITH ANY SUBSOIL OR OTHER UNSUITABLE MATERIAL UNLESS DIRECTED BY OWNER. ALL EXCESS SOIL REMAINS THE PROPERTY OF THE OWNER. EARTH EXCAVATION SHALL BE LIMITED TO THE DIMENSIONS AND REQUIREMENTS SHOWN ON THE DRAWINGS.
19. THE INTENTION OF THE OWNER IS TO MAINTAIN THE BOUNDARIES OF THE SITE IN ITS EXISTING CONDITION AND THEREFORE THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONFINING THE WORK TO WITHIN THE CONSTRUCTION LIMITS.
20. ALL EXISTING VEGETATION (TREES, SHRUBS, GRASSES, ETC.) TO REMAIN SHALL BE PROTECTED FROM INJURY. INDIVIDUAL TREES AND SHRUBS TO BE SAVED WITHIN THE DESIGNATED WORK AREA SHALL BE ADEQUATELY PROTECTED BY THE CONTRACTOR. THE CONTRACTOR SHALL REMOVE ALL PROTECTIVE BARRIERS AS DIRECTED BY THE OWNER.
21. ALL EXISTING GRASSED AREAS NOT ADEQUATELY PROTECTED AND THEREFORE DAMAGED DURING CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
22. CONTRACTOR IS RESPONSIBLE FOR ADHEARING TO ALL R.I.D.E.M., R.I.D.O.T., CITY/TOWN, AND STATE REGULATIONS AND PERMITS.
23. SHOP DRAWINGS MUST BE PROVIDED BY THE CONTRACTOR TO THE ENGINEER FOR ALL PRECAST STRUCTURES AND CASTINGS. ENGINEER OR OWNER APPROVAL IS REQUIRED.

EMBANKMENT NOTES:

1. THE EARTH EMBANKMENTS ARE TO BE CONSTRUCTED WITH APPROVED COMMON BORROW. NO SOIL/ROCK GREATER THAN 4" SHALL BE UTILIZED.
2. UPON COMPLETION OF CLEARING AND GRUBBING OPERATIONS, THE EMBANKMENT AREAS ARE TO BE EXCAVATED, IF ANY ORGANIC OR UNSUITABLE MATERIAL IS ENCOUNTERED. THE DEPTH OF EXCAVATION WILL BE DETERMINED BY THE ENGINEER BASED UPON THE LOCAL CONDITIONS. NO FILL MATERIAL SHALL BE PLACED UNTIL THE FOUNDATION PREPARATION HAS BEEN COMPLETED. ALL WATER SHALL BE REMOVED FROM THE FOUNDATION PRIOR TO PLACING THE EMBANKMENT. ALL FILL/Common BORROW SHALL MEET OR EXCEED AN IN-PLACE DENSITY OF 100 LB./C.F. ALL MATERIAL SHALL BE PLACED IN 8 TO 12 INCH LIFTS AND COMPACTED TO 95% MAXIMUM DENSITY. FILL MATERIAL WILL NOT CONTAIN FROZEN MATERIALS OR BE PLACED ON FROZEN SURFACES. COMMON BORROW SHALL MEET SPECIFICATION SECTION 202.02 IN THE RHODE ISLAND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.
3. THE FILL MATERIAL MUST BE SPREAD IN UNIFORM LAYERS AND CONTAIN MOISTURE WITHIN THE SPECIFIED RANGE IN ORDER TO ACHIEVE THE REQUIRED COMPACTION. EACH LAYER IS TO BE COMPACTED PRIOR TO LAYING AN ADDITIONAL LAYER. THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER HIS SELECTED METHOD OF COMPACTION, COMPACTION EQUIPMENT AND THE SEQUENCE OF OPERATIONS NECESSARY TO OBTAIN THE REQUIRED DENSITY. THE WATER CONTENT AT COMPACTION SHOULD BE IN THE RANGE BETWEEN ONE (1) PERCENTAGE POINT BELOW AND TWO (2) PERCENTAGE POINTS ABOVE STANDARD AASHTO OPTIMUM WATER CONTENT. THE MATERIAL SHALL BE PROCESSED TO A UNIFORM WATER CONTENT BY ADDING WATER TO THE MATERIAL IN ADVANCE OF THE FILL PLACEMENT.
4. BACKFILL MATERIAL AROUND STRUCTURES AND PIPES IS TO BE PLACED TO PREVENT THE MOVEMENT OF WATER. THE MOISTURE CONTENT MUST BE MAINTAINED IN THE SAME RANGE AS IN THE EMBANKMENT. THE BACKFILL MUST BE PLACED IN LAYERS LESS THAN FOUR (4) INCHES IN THICKNESS AND DISTRIBUTED UNIFORMLY AROUND THE STRUCTURE/PIPE. ALL COMPACTION WILL BE TO 95% MAXIMUM DENSITY AND REQUIRES HAND TAMPERS OR SMALL POWER EQUIPMENT. WHERE FILL IS TO BE PLACED AGAINST WALLS, THE CONTRACTOR MUST ENSURE THAT NO DAMAGE TO THE STRUCTURE OCCURS.
5. EMBANKMENT DAMAGE COMMONLY RESULTS FROM IMPROPER CONSTRUCTION OF CONDUIT AND STRUCTURAL BACKFILL WITHIN THE EMBANKMENT BECAUSE SEEPAGE WILL OCCUR WITH IMPROPER BACKFILL AND COMPACTION. THEREFORE, STRUCTURES AND PIPES ARE TO BE CONSTRUCTED AS THE EMBANKMENT CONSTRUCTION RISES TO THE RESPECTIVE PIPE OR STRUCTURE. THIS WILL PREVENT THE DISTURBANCE OF A CONSTRUCTED EMBANKMENT MATERIAL.

FLOOD ZONE NOTE:

THE SITE IS LOCATED WITHIN FLOOD ZONE-X AND FLOOD ZONE-AE WITH A BASE FLOOD ELEVATION OF 220 AS SHOWN ON FLOOD INSURANCE RATE MAP TOWN OF COVENTRY, RHODE ISLAND, KENT COUNTY, PANEL 13 OF 26, COMMUNITY PANEL NUMBER 440004 0013B MAP REVISED MAY 21, 2001.

DRAINAGE SYSTEM MAINTENANCE SCHEDULE:

1.0 RESPONSIBILITY:

THE OWNER, OR THEIR DESIGNEE, WILL BE RESPONSIBLE FOR MAINTENANCE TO THE PROPOSED DRAINAGE SYSTEMS FOR THE DOW CONNECTOR ROAD PROJECT AS NECESSARY.

2.0 WATER QUALITY BASIN:

2.1 MOWING:

WATER QUALITY BASIN SIDE SLOPES AND EMBANKMENT MUST BE MOWED ANNUALLY TO PREVENT WOODY GROWTH AND TO CONTROL WEEDS. AS A PART OF THE MOWING OPERATION, ALL LITTER AND DEBRIS MUST BE REMOVED FROM THE BASIN.

2.2 INSPECTIONS:

AN INSPECTION MUST OCCUR ON AN ANNUAL BASIS BY QUALIFIED PERSONNEL TO ENSURE PROPER OPERATION. THE INSPECTION SHOULD CONCENTRATE ON THE FOLLOWING:

- EMBANKMENT SUBSIDENCE
- EROSION
- CRACKING
- TREE GROWTH
- OUTLET & SPILLWAY CONDITION
- SEDIMENT ACCUMULATION
- SLOPE STABILITY

ANY DEFICIENCY NOTED DURING THE INSPECTION WILL BE IMMEDIATELY REPAIRED OR REPLACED.

2.3 SEDIMENT REMOVAL:

FOLLOWING CONSTRUCTION, THE WATER QUALITY BASIN SHALL BE CLEANED OF ACCUMULATED SEDIMENT ONCE EVERY TEN (10) YEARS OR AS DEEMED NECESSARY FROM ANNUAL INSPECTIONS. THE SEDIMENT IS TO BE PROPERLY DISPOSED IN UPLAND AREAS BASED UPON THE TEST RESULTS AND LOCAL, STATE AND FEDERAL REGULATIONS.

3.0 CATCH BASINS, MANHOLES AND DRAIN LINES:

AN INSPECTION MUST OCCUR ON AN ANNUAL BASIS BY QUALIFIED PERSONNEL TO ENSURE PROPER OPERATION. THE INSPECTION SHOULD, AS A MINIMUM, CONCENTRATE ON THE FOLLOWING:

- DAMAGE TO GRATE/COVER
- EVIDENCE OF STANDING WATER
- DEBRIS REMOVAL
- STRUCTURAL ALIGNMENT/INTEGRITY
- SEDIMENT ACCUMULATION AND REMOVAL

ANY DEFICIENCY NOTED DURING THE INSPECTION WILL BE IMMEDIATELY REPAIRED OR REPLACED. CATCH BASINS MUST BE CLEANED ON AN ANNUAL BASIS. ALL REMOVED SEDIMENT IS TO BE TESTED TO DETERMINE POLLUTANT CONTENT. THE SEDIMENT IS TO BE PROPERLY DISPOSED IN UPLAND AREAS BASED UPON THE TEST RESULTS AND LOCAL, STATE AND FEDERAL REGULATIONS.

DRAINAGE SYSTEM NOTES:

1. CPP DRAINAGE LINES SHALL BE "ADS N-12" OR "HANCOR" HIGH DENSITY POLYETHYLENE PIPE. RCP SHALL BE CLASS IV. CPP CAN BE SUBSTITUTED FOR RCP. PVC DRAIN LINES SHALL BE SCHEDULE 40. ALL PIPE JOINTS SHALL BE WATER-TIGHT AND SHALL CONFORM TO WATER LOADING REQUIREMENTS.
2. ALL MANHOLE RIM ELEVATIONS SHOWN ARE APPROXIMATE AND ARE TO BE SET FLUSH WITH FINAL GRADES.
3. ALL FRAME AND GRATES ARE TO BE 4--FLANGE UNLESS NOTED OTHERWISE.

LAYOUT NOTE:

THE LAYOUT SHOWN REPRESENTS A GRAPHICAL DESIGN, AND PRIOR TO THE CONSTRUCTION, THE CONTRACTOR SHALL ENGAGE A PROFESSIONAL LAND SURVEYOR (PLS) REGISTERED IN THE STATE OF RHODE ISLAND TO SET AND VERIFY ALL LINES AND GRADES. ALL EXISTING UTILITY LOCATIONS AND ELEVATIONS ARE TO BE CONFIRMED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. ANY ITEM FOUND WHICH DOES NOT MATCH THE PLANS MUST BE BROUGHT TO THE ENGINEER'S ATTENTION PRIOR TO CONSTRUCTION FOR REVIEW. NO WORK SHALL PROCEED UNTIL AUTHORIZED BY THE ENGINEER.

CONSTRUCTION NOTES:

1. THE CONTRACTOR IS REQUIRED TO OBTAIN AND REVIEW ALL ENGINEERING DOCUMENTS COMPLETED FOR FINAL DESIGN.
2. THE CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO INSTALLATION OF UTILITIES ON SITE. THE COORDINATION IS NECESSARY FOR THE ENGINEER TO SCHEDULE SITE INSPECTIONS AS REQUIRED.
3. THE CONTRACTOR IS REQUIRED TO MAINTAIN DETAILED AS-BUILT INFORMATION FOR ALL UTILITY INSTALLATION. AS-BUILT INFORMATION INCLUDES MATERIAL LIST, PIPE DEPTH NOTATIONS AND SWING TIE LOCATIONS (2 MINIMUM) FROM NEW PIPE TO BUILDING CORNERS. ALL PIPE BEND/ELBOW LOCATIONS SHALL BE DIMENSIONED.
4. ALL EXCAVATION AND CONSTRUCTION ACTIVITIES MUST BE IN ACCORDANCE WITH THE FINAL RIDEM APPROVED REMEDIAL ACTION WORK PLAN (RAWP) FOR THE SITE.

MAINTENANCE AND PROTECTION OF TRAFFIC NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MAINTENANCE AND PROTECTION OF PEDESTRIAN AND VEHICULAR TRAFFIC INCLUDING POLICE PROTECTION. ALL TEMPORARY CONSTRUCTION SIGNS, BARRICADES AND LANE CLOSURES SHALL BE IN CONFORMANCE WITH THE LATEST REVISIONS OF MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.).
2. TEMPORARY CONSTRUCTION SIGNS AND ALL APPLICABLE TRAFFIC CONTROL DEVICES SHALL BE IN PLACE PRIOR TO THE START OF WORK IN ANY AREA OPEN TO TRAFFIC.
3. THE PRIVATE VEHICLES OF CONSTRUCTION WORKERS WILL NOT BE PARKED IN THE ROAD RIGHT-OF-WAY.
4. ALL MAINTENANCE AND PROTECTION OF TRAFFIC CONTROL SETUPS, SIGNS, CHANNELING DEVICES, ETC., SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
5. SIGN MOUNTINGS SHALL BE IN ACCORDANCE WITH THE STATE D.O.T. SPECIFICATIONS FOR TEMPORARY CONSTRUCTION SIGNS.

EXISTING

— R —

— (SIZE) SEWER —

— (SIZE) GAS —

— (SIZE) WATER —

— (SIZE) DRAIN —

— OHW —

— T —

— E —

⊕ EMH

⊕ SMH

⊕ DMH

⊕ TMH

■ CB

⊕ HYD

○ GG

○ WG

xXX.XX

— XXX —

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LEGEND

PROPERTY LINE

EDGE OF PAVEMENT

CURB

UTILITY POLE

LIGHT POLE

SANITARY SEWER

GAS LINE

FIRE SERVICE WATER LINE

WATER LINE

DRAIN LINE

OVERHEAD WIRES

COMMUNICATION CONDUIT

ELECTRIC POWER CONDUIT

ELECTRIC MANHOLE

SEWER MANHOLE

DRAINAGE MANHOLE

TELEPHONE MANHOLE

CATCH BASIN

FLARED END SECTION

HYDRANT

GAS GATE

WATER GATE

THRUST BLOCK

SPOT GRADES

CONTOURS

GRADE TO DRAIN

STONE WALL

CHAIN LINK FENCE

SAW CUT & MATCH

TREE LINE

TREE

BUILDING/STRUCTURE

TRAFFIC FLOW ARROWS

WOOD STOCKADE FENCE

BOLLARDS

SILT FENCE

LIMIT OF DISTURBANCE

NUMBER OF PARKING SPACES

IN A ROW

SOIL OBSERVATION TEST PIT

GUY ANCHOR

GUARDRAIL

WETLAND EDGE

SECTION NUMBER

SHEET NUMBER

— B —

— 24 —

ABBREVIATIONS

- RCP — REINFORCED CONCRETE PIPE  
CPP — CORRUGATED POLYETHYLENE PIPE  
DIP — DUCTILE IRON PIPE  
PVC — POLYVINYL CHLORIDE PIPE  
FE — FLARED END SECTION  
NCSA — NATIONAL CRUSHED STONE ASSOCIATION  
RIDOT — RHODE ISLAND DEPARTMENT OF TRANSPORTATION  
RIDEM — RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
G.B. Fnd. — GRANITE BOUND FOUND  
TYP. — TYPICAL  
MIN. — MINIMUM  
MAX. — MAXIMUM  
R= — RADIUS  
S= — SLOPE  
INV. — INVERT  
S.F. — SQUARE FOOT  
Ac. — ACRES  
C.F. — CUBIC FEET  
C.Y. — CUBIC YARDS  
R&D — REMOVE AND DISPOSE  
EXIST. — EXISTING  
S.Y. — SQUARE YARD  
DIA. — DIAMETER  
M.J. — MECHANICAL JOINT  
O.C. — ON CENTER  
STD. — STANDARD  
GALV. — GALVANIZED  
HDW — CONCRETE HEADWALL  
ESHGWT — ESTIMATED SEASONAL HIGH GROUNDWATER TABLE  
DWG C-# — DRAWING NUMBER

PROPOSED

— R —

— S —

— G —

— FS —

— W —

— D —

— T —

— E —

● SMH

● DMH

■ CB

— D —

● WG

— W —

— ELEV. —

— X —

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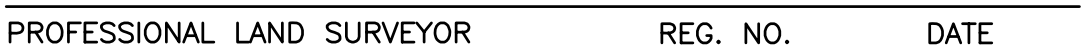
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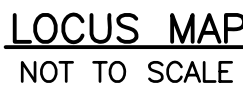
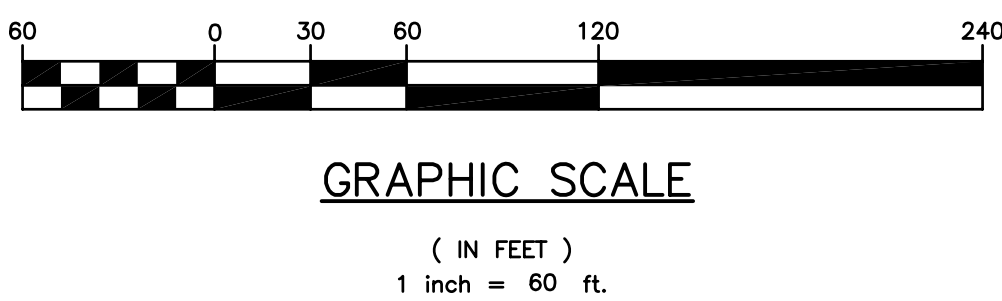
1. SURVEY FIELD WORK PERFORMED BY CROSSMAN ENGINEERING, INC. DURING THE MONTH OF JUNE, 2008.
2. OWNER AND ABUTTERS INFORMATION OBTAINED FROM THE TOWN OF COVENTRY, RHODE ISLAND TAX ASSESSOR'S RECORDS IN JUNE OF 2008. THIS INFORMATION IS NOT INTENDED TO BE A CERTIFICATION TO OWNERSHIP OR TITLE FOR THE PROPERTIES SHOWN.
3. UTILITY NOTE: THE UTILITIES SHOWN HEREON ARE PLOTTED FROM FIELD LOCATION OF VISIBLE ABOVE GROUND STRUCTURES AND PROVIDED PLANS. ALL UNDERGROUND UTILITY INFORMATION SHOWN HEREON MUST BE VERIFIED IN THE FIELD PRIOR TO ANY EXCAVATION OR CONSTRUCTION ON THIS SITE. THE CONTRACTOR OR USERS OF THIS PLAN SHOULD CONTACT DISAGEE PRIOR TO ANY CROSSMAN ENGINEERING, INC. ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OR COMPLETENESS OF THE INFORMATION SHOWN.
4. ELEVATIONS AND ASSOCIATED TOPOGRAPHY SHOWN ON THIS PLAN BASED ON REFERENCE MARK 12 ("YUSS DISK 1-2") SHOWN ON FIELD INSURANCE RATE MAP, TOWN OF COVENTRY , RHODE ISLAND, PAGE 15 OF 30, EFFECTIVE SEPTEMBER 1, 1978.
5. WETLAND EDGE, PERIMETER WETLANDS AND RIVERBANK WETLANDS DELINEATED BY GIFFORD DESIGN DURING IN THE MONTH OF MAY, 2008 AND FIELD LOCATED BY CROSSMAN ENGINEERING.
6. THE APPROXIMATE LOCATION OF THE SITE BY SCALING FIELDS IN ZONE X AND ZONE AE WITH A BASE FLOOD ELEVATION OF 220 AS SHOWN ON FLOOD INSURANCE RATE MAP TOWN OF COVENTRY, RHODE ISLAND, KENT COUNTY, PARCEL 13 OF 26 COMMUNITY --PANEL NUMBER 440004 0013B MAP REVISION MAY 21, 2001.

1. "BOUNDARY SURVEY PLAN OF LAND OF JOHN R. ASSALONE, PASQUALE V. CONFREDA AND ROBERT A. ROCCHIO ASSESSOR'S PLAT 46 LOT 37 SANDY BOTTOM ROAD COVENTRY, RHODE ISLAND" PREPARED FOR: TOWN OF COVENTRY SCALE: "1"=100' DATE: OCTOBER 29, 1998 REVISION: FEB. 19, 1999 PREPARED BY: SCITUATE SURVEYS, INC.
2. "CONSTRUCTION PLAN NO. 1 DRAINAGE IMPROVEMENTS TO WASHINGTON STREET (RTE. 117) AT SANDY BOTTOM RD. (RTE. 133) COVENTRY, RHODE ISLAND" SCALE: "1"=20' PREPARED FOR: RHODE ISLAND DEPARTMENT OF TRANSPORTATION PREPARED BY: BETA GROUP, INC.
3. SEWER PLANS PREPARED FOR: TOWN OF COVENTRY PREPARED BY: WESTON AND SAMPSON ENGINEERS, INC.



**CERTIFICATION:**

THIS SURVEY AND PLAN SUBSTANTIALLY CONFORM TO A CLASS 3 STANDARD AS ADOPTED BY THE RHODE ISLAND BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS, EFFECTIVE APRIL 1, 1994.



|             |                                 |
|-------------|---------------------------------|
| <i>A.P.</i> | APPROXIMATE PROPERTY LINE       |
| <i>N/F</i>  | ASSESSORS PLAT                  |
| —XXX—       | NOW OR FORMERLY                 |
| x,XXX       | CONTOUR LINE                    |
| ① DMH       | SPOT GRADE                      |
| ■ CB        | DRAINAGE MANHOLE                |
| ≡ CI        | CATCH BASIN                     |
| ○ SCO       | CURB INLET                      |
| ⊙ SMH       | SEWER CLEANOUT                  |
| ①           | SEWER MANHOLE                   |
| ⊙           | TELEPHONE MANHOLE               |
| FE          | UTILITY POLE                    |
| ⋈           | FLARED END                      |
| ⋈WG         | FIRE HYDRANT                    |
| ⋈GV         | WATER GATE                      |
| 500         | GAS GATE                        |
| P=4 Δ       | WETLAND FLAG                    |
| ⊗ MW        | STAKE (CENTER OF PROPOSED PATH) |
| —FM—        | MONITORING WELL                 |
| —S—         | FORCE MAIN                      |
| —G—         | SEWER LINE                      |
| —W—         | GAS LINE                        |
| —T—         | WATER LINE                      |
|             | TELEPHONE LINE                  |

**CROSSMAN ENGINEERING**  
| a division of Crossman Corporation |

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PROJECT TITLE:

*SANDY ACRES  
RECREATIONAL AREA*

*A.P. 46, LOT 37 and  
A.P. 38, LOT 178  
100 SANDY BOTTOM ROAD  
COVENTRY, RHODE ISLAND*

REPAIRED FOR

TOWN OF COVENTRY

1670 FLAT RIVER ROAD  
COVENTRY, RHODE ISLAND

**DRAWING TITLE:**

## EXISTING CONDITIONS PLAN

|                     |                    |
|---------------------|--------------------|
| DATE:<br>JUNE, 2010 | SCALE:<br>1" = 60' |
|---------------------|--------------------|

WG. NAME: 1516-03-EXCN REV1.dwg

| D. | DATE    | REVISION                      |
|----|---------|-------------------------------|
| 1  | 12/8/10 | RIDEM AND RIDOT COMMENTS      |
| 2  | 1/31/11 | US FISH AND WILDLIFE COMMENTS |

[illegible]

DRAWING NUMBER

# C2

SHEET: 3 OF: 14

NOT FOR CONSTRUCTION



1. PRIOR TO COMMENCING CLEARING, GRUBBING AND DEMOLITION OPERATIONS SILT FENCING SHALL BE PLACED SO AS TO PREVENT SEDIMENT FROM ENTERING EXISTING ROADWAY, WETLANDS, OR ABUTTING PROPERTIES.
2. EXTREME CARE SHALL BE EXERCISED SO AS TO PREVENT ANY UNSUITABLE MATERIAL FROM ENTERING THE ROADWAY DRAINAGE SYSTEM, WETLANDS OR ADJACENT PROPERTIES.
3. ALL DISTURBED AREAS WHICH BECOME SUBJECT TO EROSION TENDENCIES WHETHER THEY BE NEWLY FILLED OR EXCAVATED SHALL RECEIVE SLOPE PROTECTION - SUCH AS RIP-RAP.
4. DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING DRAINAGE AND RUNOFF FLOW DURING PERIODS OF RAINFALL.
5. DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL EROSION CONTROL MAINTENANCE AND SHALL INSPECT / REPLACE DURING DRAINAGE CONSTRUCTION, FOLLOWING RAINFALL AND WEEKLY DURING NON CONSTRUCTION PERIODS.
6. ADDITIONAL SILT FENCING OR SANDBAGS SHALL BE LOCATED AS CONDITIONS WARRANT OR AS DIRECTED BY THE ENGINEER.
7. THE "R.I. EROSION AND SEDIMENT CONTROL HANDBOOK" PREPARED BY THE U.S. DEPARTMENT OF AGRICULTURE, SOIL CONSERVATION SERVICE, 1989, MUST BE UTILIZED BY THE CONTRACTOR AS A GUIDE.
8. THE CONTRACTOR IS RESPONSIBLE FOR ALL DUST CONTROL AND FOR THE ENTIRE PROJECT DURATION, INCLUDING TEMPORARY SHUT-DOWN PERIODS, MUST MONITOR AND REPAIR, AS NEEDED, ALL SLOPES TO ENSURE A STABLE PRODUCT.
9. DURING CONSTRUCTION THE CONTRACTOR SHALL RE-SEED THE WATER QUALITY BASIN ACTING AS TEMPORARY SEDIMENT BASINS AS REQUIRED.
10. THE CONTRACTOR SHALL REMOVE SEDIMENT DEPOSITS ON ALL HAYBALES AND SILT FENCE WHEN DEPOSITS ARE AT ONE-HALF THE HEIGHT OF THE BARRIER.
11. DURING CONSTRUCTION, THE OPERATOR AND CONTRACTOR ARE REQUIRED TO INSPECT ALL EROSION CONTROLS ON THE SITE AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN TWENTY (20) HOURS AFTER A STORM EVENT WHICH GENERATES 0.25 INCHES OF RAIN IN A TWENTY FOUR (24) HOUR PERIOD AND/OR AFTER A SIGNIFICANT AMOUNT OF RAINFALL BASED UPON THE LOCAL EROSION CONTROLS SHALL BE REPAIRED, CLEANED, OR MODIFIED AS NECESSARY.

1. FINISHED SLOPES ARE NOT TO EXCEED 2:1.
2. DENUDED SLOPES SHALL NOT BE UNATTENDED OR EXPOSED.
3. TEMPORARY TREATMENTS SHALL CONSIST OF A HAY, STRAW OR FIBER MULCH OR PROTECTIVE COVERS SUCH AS A MAT OR FIBER LINING (BURLAP, JUTE, FIBERGLASS NETTING, EXCELSIOR BLANKETS).
4. HAY OR STRAW APPLICATIONS SHOULD BE IN THE AMOUNT OF 3,000-4,000 LBS/ACRE.
5. THE FINISHED SLOPES SHALL RECEIVE 4" OF LOAM AND SEED UNLESS NOTED OTHERWISE. NOTED AREAS WITH 3:1 OR 2:1 SLOPES SHALL RECEIVE 6" LOAM AND SEED.
6. ALL 2:1 SLOPES ARE TO BE LINED WITH CURLEX EXCELSIOR EROSION CONTROL BLANKET (AMERICAN EXCELSIOR COMPANY), OR EQUAL. INSTALLATION MUST CONFORM TO MANUFACTURER'S SPECIFICATIONS.

ON AN AS-NEEDED BASIS OR AS DIRECTED BY THE TOWN OR OWNER, THE CONTRACTOR SHALL UTILIZE ONE OF THE FOLLOWING METHODS (AS RECOMMENDED BY THE "R.I. EROSION AND SEDIMENT CONTROL HANDBOOK") TO CONTROL DUST:

- A. WATER THE EXPOSED SOIL SURFACE SHOULD BE MOISTENED PERIODICALLY WITH ADEQUATE WATER TO CONTROL DUST.
- B. CALCIUM CHLORIDE SHOULD BE EITHER LOOSE DRY GRANULES OR FLAKES FINE ENOUGH TO FEED THROUGH A SPREADER AT A RATE THAT WILL KEEP SURFACE MOIST BUT NOT CAUSE POLLUTION OR PLANT DAMAGE.

- 
- PROPOSED LOT
- METAL CABLE 1/2"
- 2"x2"x4"-6" (MAX) DRIVE IN TRENCH
- SUPPORT DUTY P
- EXIST
- DETAIL "A"
- SILT FENCE POST
- SILT FABRIC AND LOOP CABLE OVER POST
- SILT FENCE FABRIC
- A.P. 46 LOTS 37 & 178  
N/4  
TOWN OF COVENTRY
- SILT FENCE/  
LIMIT OF DISTURBANCE
- CONSTRUCTION ENTRANCE  
(30'X15')
- SANDY BOTTOM ROAD  
(ROUTE 33)
- CONSTRUCTION ENTRANCE  
(50'X15')
- PAWYUKEET RIVER

SCALE: 1"=100'

1. INSTALL ALL EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO ANY SOIL DISTURBANCE.
2. PRIOR TO CONSTRUCTION CLEARLY MARK AREAS TO BE LEFT UNDISTURBED.
3. CLEAR AND GRUB WORK AREA AS SHOWN ON THE SITE PLANS, WITHIN APPROVED LIMITS OF DISTURBANCE.
4. CONTRACTOR TO COORDINATE WITH SITE REMEDIATION ACTIVITIES IN ACCORDANCE WITH THE FINAL APPROVED REMEDIAL ACTION WORK PLAN FOR THE SITE.
5. TOP SOIL TO BE STRIPPED AND STOCKPILED. ESTABLISH EROSION CONTROLS AROUND PILES (HAYBALES). ESTABLISH COVER IF STOCKPILES WILL REMAIN FOR LONGER THAN ONE (1) MONTH.
6. ROUGH GRADING OF SITE AND INSTALLATION OF STRUCTURES, DRAINAGE, AND UTILITIES.
7. INSTALL BOARDWALK, WALKWAYS, PATHS, FINAL GRADING, AND SITE PAVING.
8. ESTABLISH PERMANENT GROUND COVER AND LANDSCAPING.
9. CLEANING OF ALL EROSION AND SEDIMENT CONTROLS, BASIN, AND SWALE. CLEANING OF SITE DRAINAGE SYSTEM.
10. ESTIMATED DURATION OF SOIL EXPOSURE=TWELVE (12) MONTHS.

## OCTOBER 2010 – OCTOBER 2011

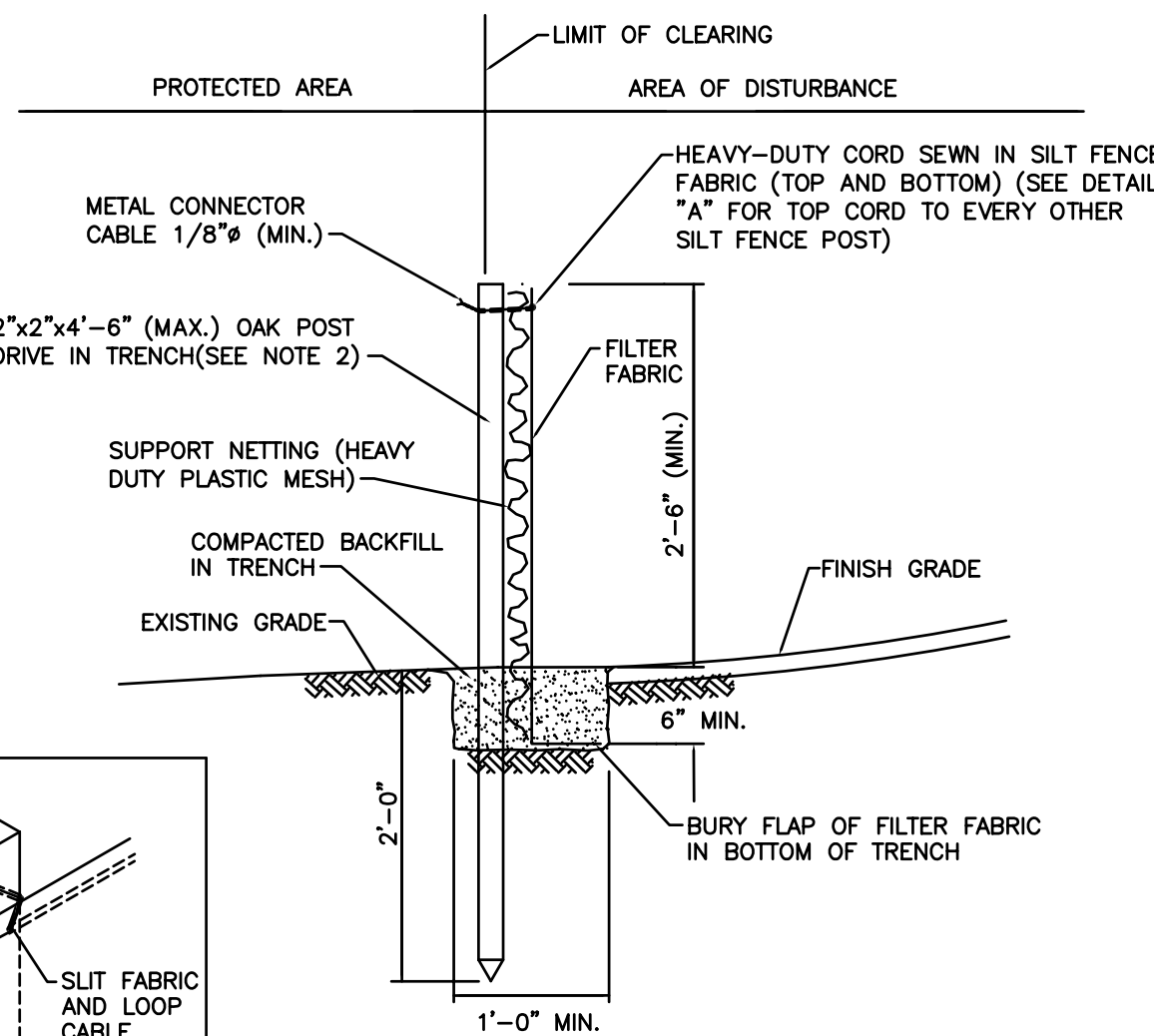
TOTAL AREA OF DISTURBANCE= 3.7± ACRES

1. SEEDING WITH JUTE NETTING OR ANCHORED MULCH SHOULD BE USED AT LOCATIONS SUBJECT TO EROSION FORCES.
2. SOIL MUST BE TESTED TO DETERMINE THE GRADATION AND THE APPROPRIATE QUANTITY OF LIMESTONE AND FERTILIZER NECESSARY TO SUPPORT A PERMANENT GROUND COVER.
3. THE SEED MIXTURE MAY BE THE FOLLOWING OR AN APPROVED ALTERNATE:

| MIXTURE                     | <u>lbs/ACRES</u> |
|-----------------------------|------------------|
| RED FESCUE                  | 75               |
| COLONIAL BENTGRASS (EXETER) | 2                |
| PERENNIAL RYEGRASS          | 5                |
| BIRDSFOOT TREFOIL (EMPIRE)  | 15               |

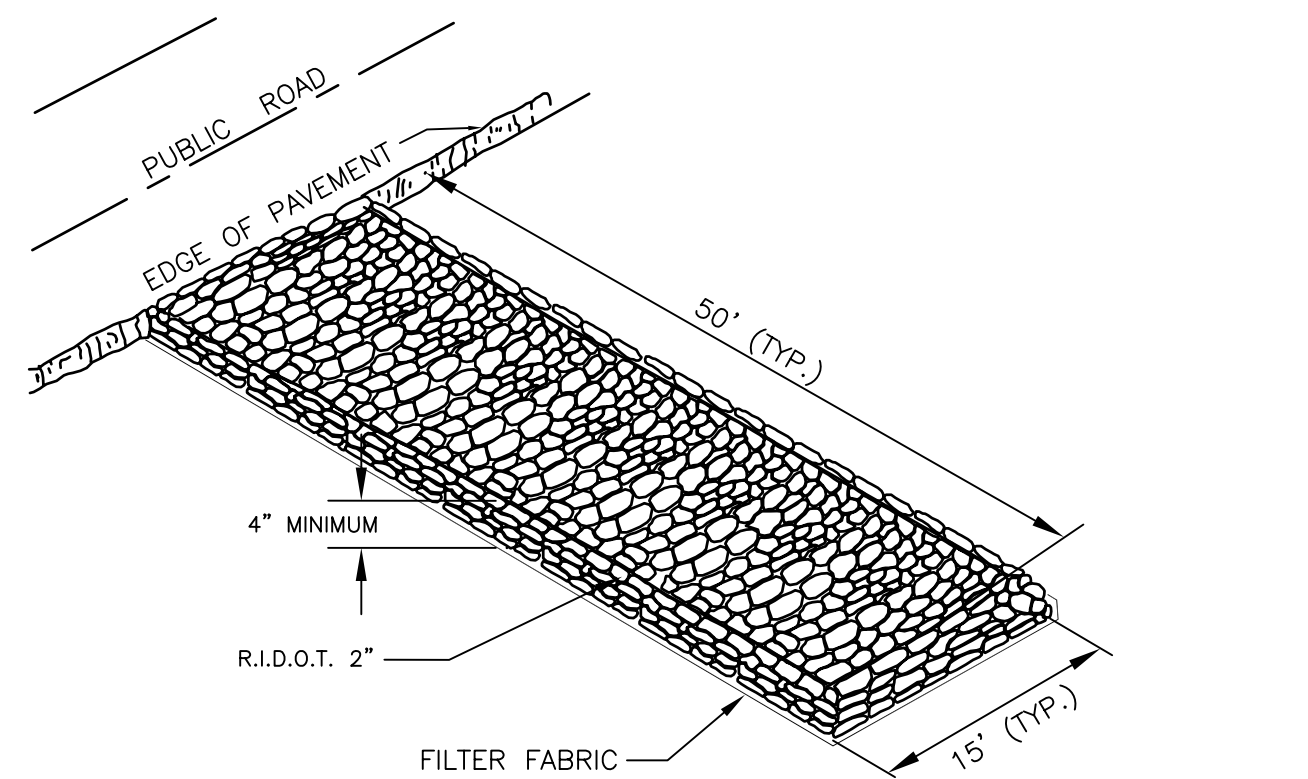
PRIOR TO SEEDING, THE SCS DISTRICT FIELD OFFICE SHOULD BE CONSULTED TO SELECT AN APPROPRIATE MIXTURE BASED UPON THE RESULTING SOIL TESTS.

4. THE OPERATOR AND CONTRACTOR SHALL INITIATE APPROPRIATE VEGETATIVE PRACTICES ON ALL DISTURBED AREAS AS SOON AS POSSIBLE BUT NOT MORE THAN FOURTEEN (14) DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT AREA HAS TEMPORARILY OR PERMANENTLY CEASED, UNLESS THE ACTIVITY IS TO RESUME WITHIN TWENTY-ONE (21) DAYS.

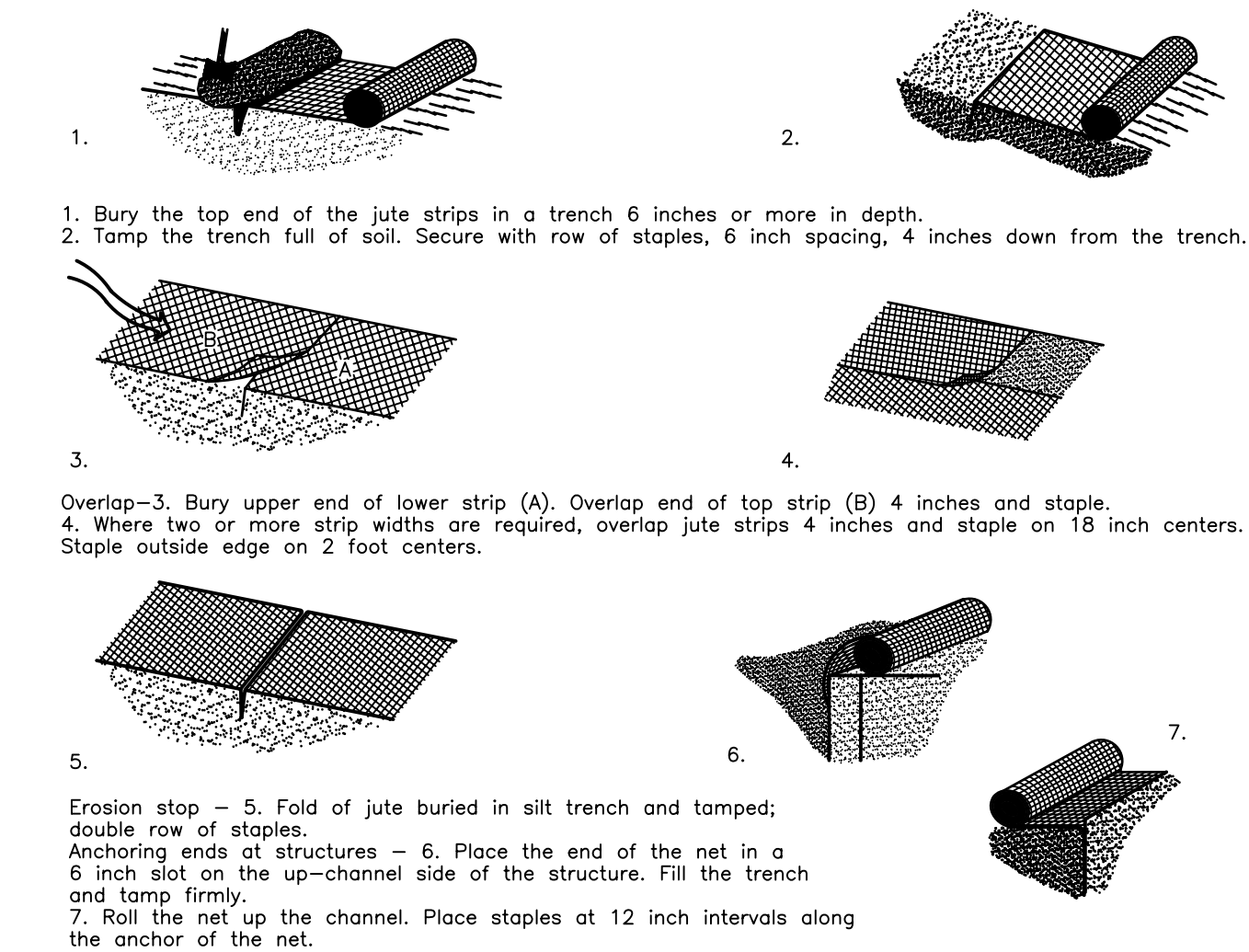


1. SHALL BE IN ACCORDANCE WITH SECTION 206 OF THE R.I. STANDARD SPECIFICATIONS.
2. 2"x4"x4'-6" (MAX.) OAK POSTS FOR SILT FENCE BE LOCATED 8'-0" (MAX.) O.C. IN WETLAND AREAS AND 4'-0" (MAX.) O.C. IN WETLAND RAINE, GULLY OR DROP OFF AREAS AS SHOWN ON PLANS.
3. 1"x1"x4'-4" (MIN.) POSTS PERMITTED FOR PRE-FABRICATED SILT FENCE.
4. SILT FENCE SHALL BE INSTALLED BEFORE ANY GRUBBING OR EARTH EXCAVATION TAKES PLACE.

NOT TO SCALE

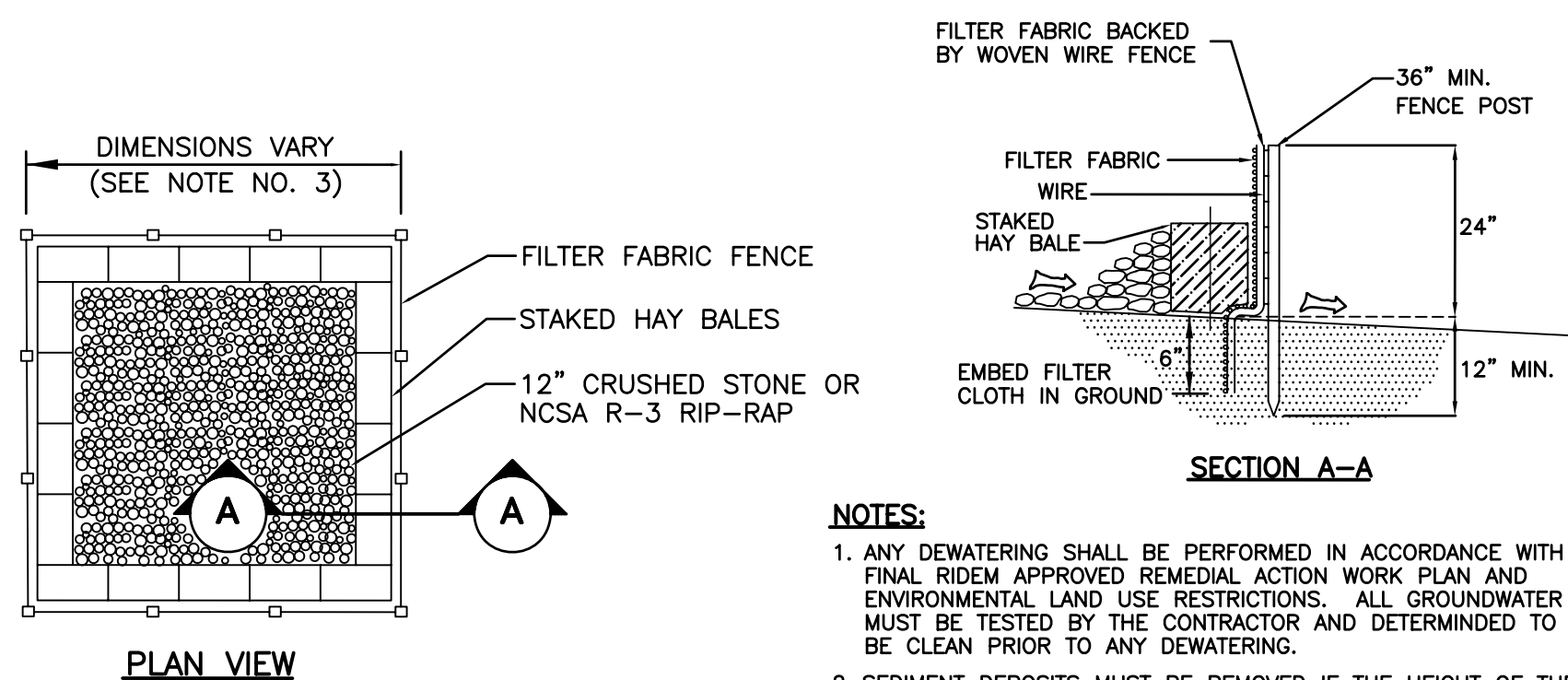


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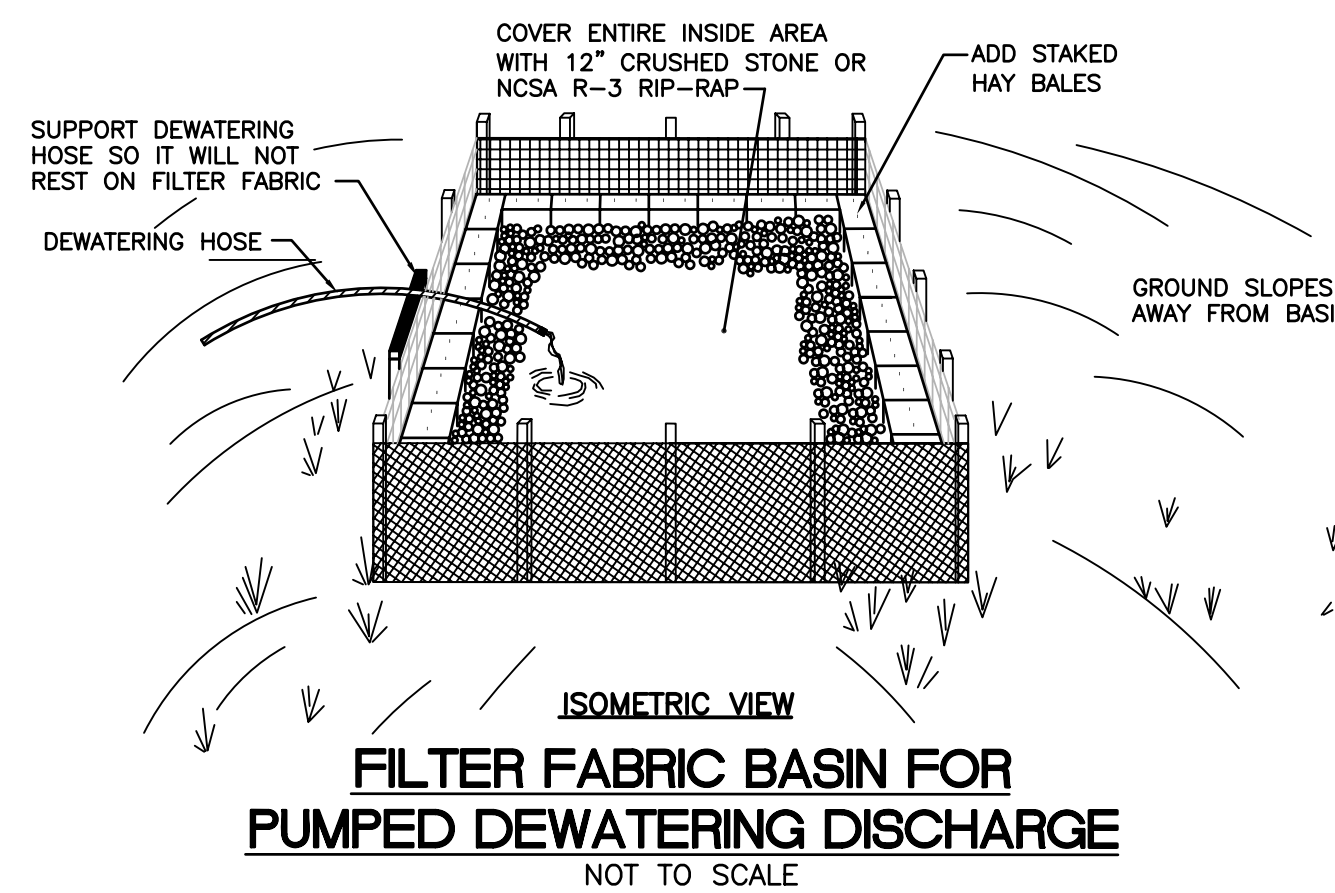


## R.I. SOIL EROSION and SEDIMENT CONTROL HANDBOOK

NOT TO SCALE



1. ANY Dewatering SHALL BE PERFORMED IN ACCORDANCE WITH THE FINAL REMEDIAL APPROVED REMEDIAL ACTION WORK PLAN AND ENVIRONMENTAL LAND USE RESTRICTIONS. ALL GROUNDWATER MUST BE TESTED BY THE CONTRACTOR AND DETERMINED TO BE BELOW PRIOR AND Dewatering SHALL BE PERFORMED TO THE
2. SEDIMENT DEPOSITS MUST BE REMOVED IF THE HEIGHT OF THE SEDIMENT REACHES 1/2 THE HEIGHT OF THE SEDIMENT BARRIER.
3. Dewatering BASINS MUST BE LOCATED WITHIN THE APPROVED LIMITS OF DISTURBANCE AND BE LOCATED UPLAND OF ALL WETLAND RESOURCE AREAS.
4. CONTRACTOR IS REQUIRED TO SIZE EACH Dewatering BASIN AND PROVIDE SUPPORTING ENGINEERING CALCULATIONS TO THE ENGINEER.



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**PROJECT TITLE:**

*A.P. 46, LOT 37 and  
A.P. 38, LOT 178  
100 SANDY BOTTOM ROAD  
COVENTRY, RHODE ISLAND*

PREPARED FOR:

TOWN OF COVENTRY

1670 FLAT RIVER ROAD  
COVENTRY, RHODE ISLAND

**DRAWING TITLE:**

## SOIL EROSION AND SEDIMENT CONTROL PLAN

DATE: \_\_\_\_\_

JUNE 2010

**SCALE:**

AS NOTED

DWG. NAME:

1516-EROS.dwg

| NO. | DATE    | REVISION                      |
|-----|---------|-------------------------------|
| 1   | 12/8/10 | RIDEM AND RIDOT COMMENTS      |
| 2   | 1/31/11 | US FISH AND WILDLIFE COMMENTS |

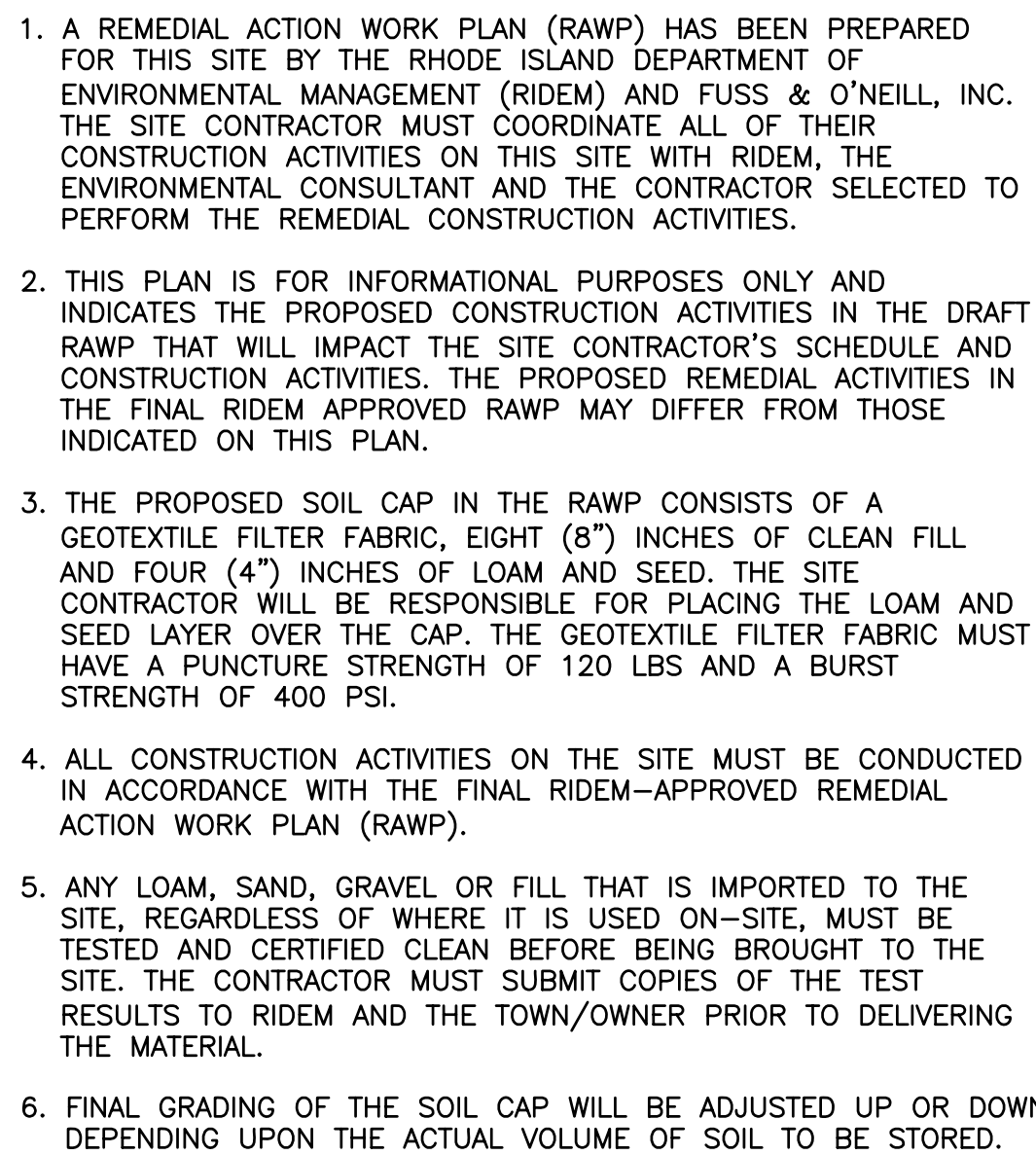
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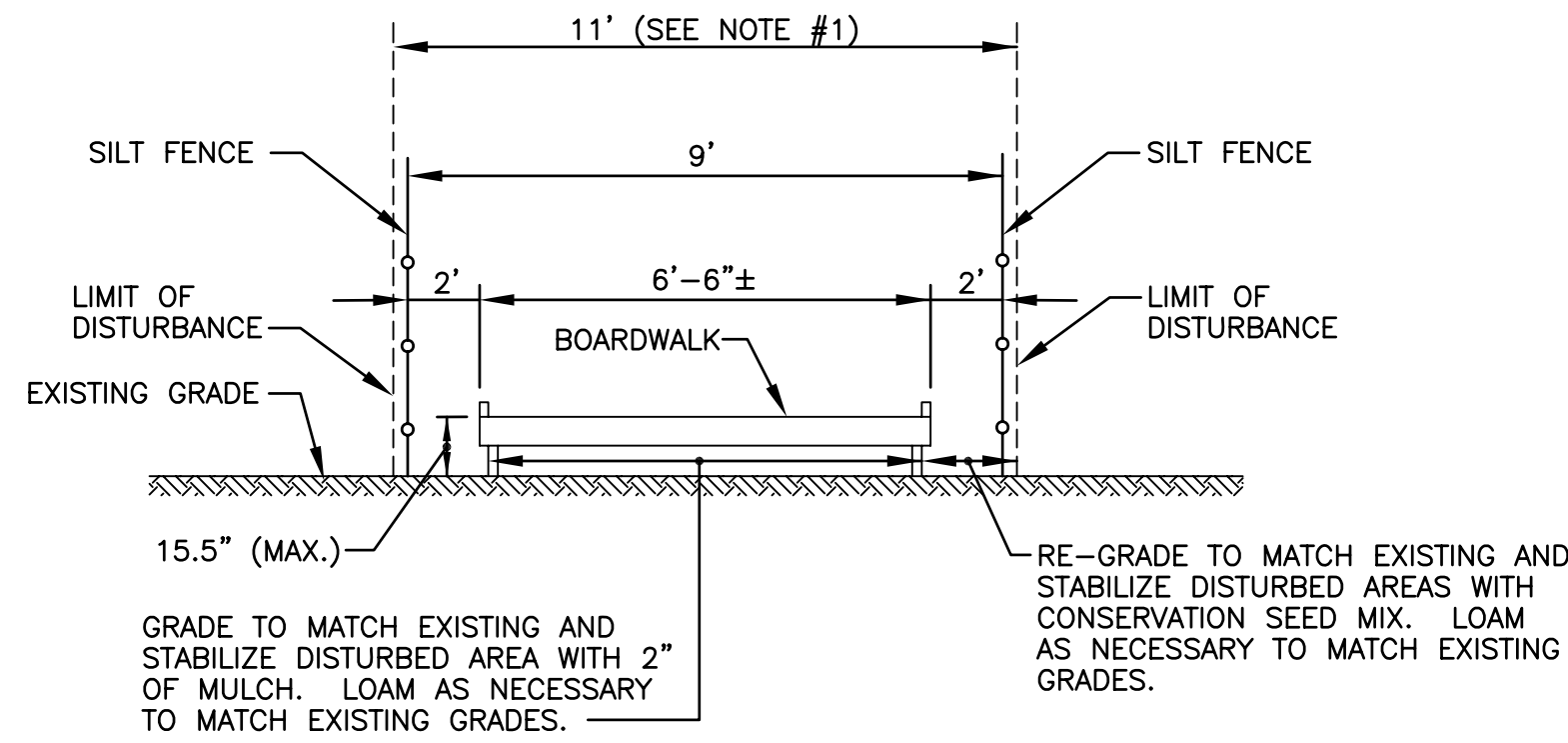
SHEET: 4 OF: 14

NOT FOR CONSTRUCTION









1. PRIOR TO ANY CLEARING, THE PROPOSED HORIZONTAL ALIGNMENT SHALL BE REVIEWED BY THE PROJECT LANDSCAPE ARCHITECT, OWNER, CONTRACTOR, AND RIDEM TO DETERMINE IF ANY ADJUSTMENTS ARE NECESSARY TO AVOID OR MINIMIZE IMPACTS TO MATURE TREES.
2. INTERPRETIVE SIGN PANELS WILL BE INSTALLED ALONG THE BOARDWALK FOR EDUCATIONAL PURPOSES.

RAISED BOARDWALK TYPICAL SECTION  
NOT TO SCALE

FINAL GRADES WITHIN THE ADA PARKING SPACES, AISLES, DRIVEWAYS,  
AND LOADING AREAS MUST NOT EXCEED 2%.

1. REMOVE VISIBLE TRASH AND DEBRIS BY HAND OR WITH SMALL EQUIPMENT SO AS TO MINIMIZE GROUND DISTURBANCE AND PREVENT DAMAGE TO MATURE TREES.
2. LOW GROWING SCRUB VEGETATION CAN BE CUT AT GROUND LEVEL TO PERMIT ACCESS.
3. GRADE DISTURBED AREAS TO MATCH EXISTING, AND STABILIZE WITH LOAM AND WETLAND SEED MIX.

NOT FOR CONSTRUCTION







| INCLUDES ALL PLANTINGS AS SPECIFIED ON SHEETS L-1 AND L-2 OF THIS PLAN SET) |                                             |                  |     |         |
|-----------------------------------------------------------------------------|---------------------------------------------|------------------|-----|---------|
| Key                                                                         | Botanical Name/<br>Common Name              | Size             | Qty | Comment |
| <u>TREES and BROADLEAF EVERGREEN BUFFER PLANTS:</u>                         |                                             |                  |     |         |
| AR                                                                          | ACER RUBRUM<br>Red Maple                    | 2 1/2" - 3" Cal. | 6   | B4B     |
| A9                                                                          | ACER SACCHARUM<br>Sugar Maple               | 2 1/2" - 3" Cal. | 2   | B4B     |
| IG                                                                          | ILEX GLABRA<br>Holly                        | 30"-36"          | 3   | B4B     |
| FA                                                                          | PLATANUS X ACERIFOLIA<br>London Planetrees  | 2 1/2" - 3" Cal. | 3   | B4B     |
| PAB                                                                         | PICEA ABIES<br>Norway Spruce                | 6'-11"           | 11  | B4B     |
| PG                                                                          | PICEA GLAUCA<br>White Spruce                | 6'-11"           | 1   | B4B     |
| PJ                                                                          | PERIS JAPONICA<br>Japanese Anemone          | 30"-36"          | 8   | B4B     |
| P9K                                                                         | PRUNUS BERRILLATA Kwanzan<br>Kwanzan Cherry | 2 1/2" - 3" Cal. | 6   | B4B     |

ALL TREES AND BROADLEAF EVERGREEN BUFFER PLANTS SHALL BE OF STANDARD NURSERY STOCK AND GROWN IN ACCORDANCE WITH LANDSCAPE NOTES, SHEET L-2 OF THIS PLAN SET.

| SHRUBS: |                                            |                        |    |                                         |
|---------|--------------------------------------------|------------------------|----|-----------------------------------------|
| CA      | CLETHRA ALNIFOLIA<br>Summersweet Clethra   | 18" - 24" Ht. Saplings | 21 | Containers                              |
| IV      | ILEX VERTICILLATA<br>Winterberry           | 18" - 24" Ht. Saplings | 46 | Containers<br>One (1) male per mesquite |
| OC      | SAMBUCUS CANADENSIS<br>Common Elderberry   | 18" - 24" Ht. Saplings | 28 | Containers                              |
| VC      | VACINIUM CORMIFOLIUM<br>Highbush Blueberry | 18" - 24" Ht. Saplings | 31 | Containers                              |

**SHRUB VARIETIES NOTE:**  
ALL SHRUBS SHALL BE WETLAND RESTORATION PLANTING GRADE SIMILAR TO PLANTS AVAILABLE THROUGH NEW ENGLAND WETLAND PLANTS, INC. OR SOME OTHER PROVIDER OF EQUAL OR HIGHER QUALITY WETLAND PLANTS. CULTIVARS SHALL NOT BE ACCEPTED.

SEED MIX NOTES:

GENERAL SEED MIX:  
USE URI #2 IMPROVED SEED MIX IN ALL LOAM AND SEED AREAS THAT ARE NOT SPECIFIED AS PROPOSED WETLAND RESTORATION AREAS (SEE WETLAND RESTORATION SEED MIX BELOW).

WETLAND RESTORATION SEED MIX:  
USE NEW ENGLAND WETLANDS MOIST MIX' CONTAINING NO 'REED CANARYGRASS' AS AVAILABLE THROUGH ALLEN'S SEED, INC., 693 SOUTH COUNTY TRAIL, EXETER, RI 02822 APPLIED AT A RATE OF 12 LB/ACRE, OR APPROVED EQUAL.

PROPOSED WETLAND  
RESTORATION AREA  
LOAM & SEED WITH WETLAND  
RESTORATION SEED

PROPOSED LIMITED WETLAND RESTORATION AREA  
(SEE ENGINEER'S PLANS)

XXX  
 XXXXX  
 XXX  
 XXX  
 XXX  
 #500  
 - - - - -  
 - - - - -

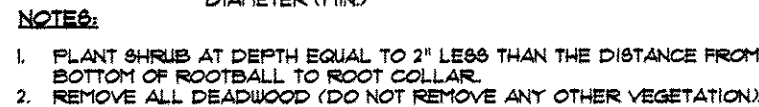
EXISTING CONTOUR LINE  
 EXISTING SPOT GRADE  
 PROPOSED CONTOUR LINE  
 PROPOSED SPOT GRADE  
 WETLAND FLAG  
 LIMIT OF DISTURBANCE  
 SILT FENCE

REMOVE ONLY VISIBLE TRASH  
AND DEBRIS AND OVERSEED  
WITH WETLAND RESTORATION  
SEED MIX. EXISTING  
ESTABLISHED AND SIGNIFICANT  
VEGETATION TO REMAIN.

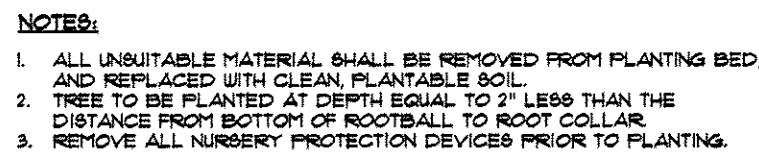
LOAM & SEED WITH WETLAND  
RESTORATION SEED

STONEDUST WALKWAY  
(SEE ENGINEER'S PLANS)

BOARDWALK  
(SEE ENGINEER'S PLANS)



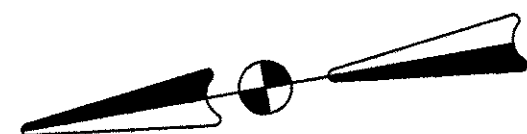
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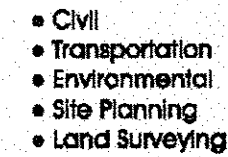
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( IN FEET )  
1 inch = 40ft



NOT TO SCALE



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THE GIFFORD  
DESIGN GROUP, Inc.

**LANDSCAPE ARCHITECTURE**  
**ENVIRONMENTAL PLANNING**  
4096 MENDON ROAD, CUMBERLAND, RHODE ISLAND 02864  
P H O N E (401) 671-6336 F A X (401) 671-6466



PROJECT TITLE:

SANDY ACRES  
RECREATIONAL AREA

A.P. 46, LOT 37 and  
A.P. 38, LOT 178  
100 SANDY BOTTOM ROAD  
COVENTRY, RHODE ISLAND

PREPARED FOR:

TOWN OF COVENTRY

1670 FLAT RIVER ROAD  
COVENTRY, RHODE ISLAND

DRAWING TITLE:

LANDSCAPE PLAN NO. 1

DATE: \_\_\_\_\_

SEPTEMBER 2010

**SCALE:**

DWG. NAME:

231658 Planting Plan R2 1-11

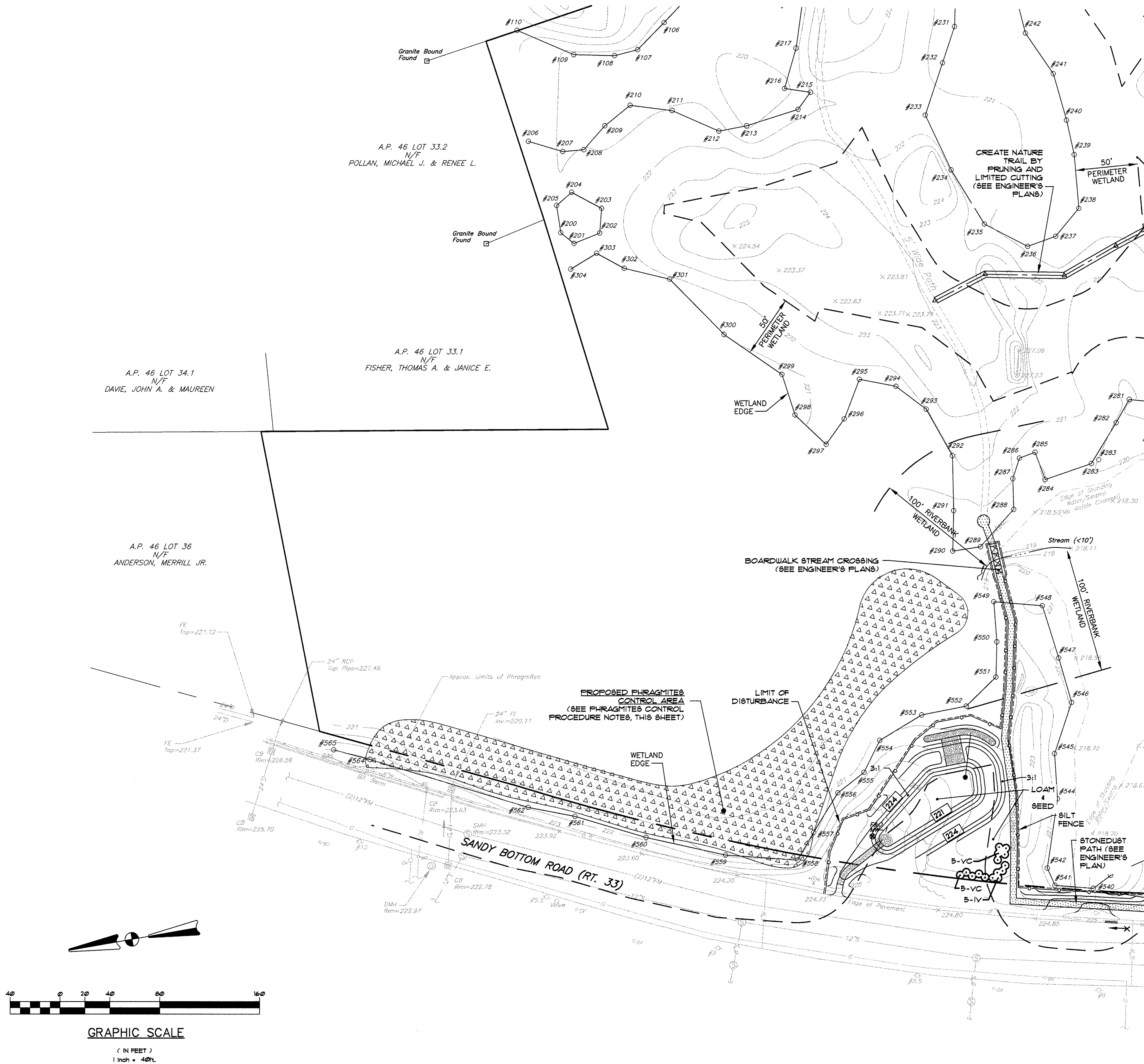
| NO. | DATE    | REVISION                        |
|-----|---------|---------------------------------|
| 1   | 12/8/10 | RIDEM AND RIDOT COMMENTS        |
| 2   | 1/31/11 | U.S. FISH AND WILDLIFE COMMENTS |

DRAWING NUMBER

L 1

SHEET: 8 OF: 14





LEGEND:

- XXX EXISTING CONTOUR LINE
- XX.XX EXISTING SPOT GRADE
- XXX PROPOSED CONTOUR LINE
- XXX PROPOSED SPOT GRADE
- #500 WETLAND FLAG
- PHRAGMITES CONTROL AREA
- LIMIT OF DISTURBANCE
- SILT FENCE
- STONEDUST PATH (SEE ENGINEER'S PLANS)
- BOARDWALK PATH (SEE ENGINEER'S PLANS)

LANDSCAPE NOTES:

- SEE SHEET L1 OF THIS PLAN SET FOR ALL-INCLUSIVE PLANT SCHEDULE, AND ALL TYPICAL PLANTING DETAILS.
- PROVIDE A WARRANTY FOR TREE AND SHRUB PLANTINGS FOR A MINIMUM OF ONE (1) YEAR INCLUDING ONE (1) CONTINUOUS GROWING SEASON. CONFERENCE WARRANTY ON DATE IDENTIFIED IN THE CERTIFICATE OF FINAL COMPLETION.
- REPLACEMENTS: PLANTS OF SAME SIZE AND SPECIES AS SPECIFIED, PLANTED IN THE NEXT GROWING SEASON, WITH NEW WARRANTY AND EXTENDED MAINTENANCE SERVICE COMMENCING ON THE DATE OF REPLACEMENT.
- PLANT MATERIALS SHALL BE OF SIZE AND CALIPER REQUIRED AND CONFORM TO THE REQUIREMENTS DESCRIBED IN THE LATEST EDITION OF AMERICAN STANDARD FOR NURSERY STOCK, PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERMEN.
- PLANTS OF OTHER KINDS THAN THOSE NAMED IN THE PLANT SCHEDULE SHALL NOT BE ACCEPTED WITHOUT APPROVAL. REPLACEMENT PLANTS PROVIDED THERE IS NO FROST IN THE GROUND AND FROST-FREE TOPSOIL PLANTING MIXTURES ARE USED.
- UNLESS OTHERWISE APPROVED BY THE A/E, ALL PLANTS SHALL BE NURSERY GROWN IN ACCORDANCE WITH GOOD HORTICULTURAL PRACTICES AND SHALL HAVE BEEN GROWN UNDER CLIMATIC CONDITIONS SIMILAR TO THOSE IN THE LOCALITY OF THE PROJECT FOR AT LEAST TWO (2) YEARS.
- SET PLANTS PLUMB AND AT SUCH A LEVEL THAT AFTER SETTLEMENT THEY BEAR THE SAME RELATION TO THE SURROUNDING GROUND AS THEY BORE TO THE GROUND FROM WHICH THEY WERE DUG. SETTLE BACKFILL MATERIAL FOR PLANTS THOROUGHLY & PROPERLY BY FIRING OR TAMPING. ACCOMPANY BACKFILLING WITH THOROUGH WATERING UNLESS OTHERWISE APPROVED. FORM SAUCER CAPABLE OF HOLDING WATER AROUND INDIVIDUAL PLANTS.
- FERTILIZE SHRUB BEDS WITH 10-6-4 FERTILIZER AT THE RATE OF THREE (3) POUNDS PER 100 SQUARE FEET OF SURFACE AREA. BROADCAST, APPLY THE FERTILIZER UNIFORMLY TO THE SURFACE BEDS AND WORK INTO THE UPPER TWO (2) INCHES OF SOIL. FERTILIZE INDIVIDUAL TREES AT THE RATE OF ONE (1) AGRIFORM PELLETT PER INCH OF TREE DIAMETER (FOLLOW MANUFACTURER'S WRITTEN INSTRUCTIONS). APPLY A SECOND APPLICATION OF FERTILIZER TO ALL PLANT ITEMS AT THE SAME SPECIFIED RATES OVER THE MULCH AT THE END OF AN EIGHT WEEK PERIOD.
- CONTAINER GROWN MATERIALS: REMOVE PLANT FROM CONTAINER AND "BUTTERFLY" ROOT BALL OR OTHERWISE SPREAD OUT ROOTS ON SETTING MOUND. BACKFILL SHALL BE SIFTED THROUGH THEM AND SOLIDLY FIRMED.
- AFTER PLANTING PRUNE ONLY BROKEN OR DEFORMED BRANCHES AND IN SUCH MANNER AS TO PRESERVE NATURAL CHARACTER OF PLANT.
- IMMEDIATELY AFTER PLANTING, STAKE TREES OVER FIVE (5) FEET AS INDICATED ON DETAIL DRAWINGS OR APPROVED BY THE OWNER'S REPRESENTATIVE. REMOVE STAKES AT THE END OF GUARANTEE PERIOD.
- MULCH SHALL BE APPLIED A MINIMUM OF THREE (3) INCHES IN DEPTH OVER ROOTBALL AREA OF PROPOSED PLANTINGS, AS INDICATED ON DETAILS.
- THE PLANTS SHALL BE WATERED IMMEDIATELY FOLLOWING PLANTING, PREFERABLY WHEN TWO THIRDS OF THE BACKFILL HAS BEEN PLACED SO ALL AIR POCKETS ARE REMOVED AND THE PLANT PROPERLY SET. ADDITIONAL WATERING SHALL BE MADE AT LEAST ONCE EVERY THREE (3) WEEKS UNLESS OTHERWISE DIRECTED UNTIL FINAL ACCEPTANCE OF THE PLANT MATERIAL.
- INSTALL "JUTE MESH" EROSION CONTROL FABRIC OR APPROVED EQUAL PER MANUFACTURER'S INSTRUCTIONS WHERE FINAL GRADES ARE 3:1 (33%) OR GREATER.
- ALL DISTURBED AREAS EITHER NEWLY CREATED OR CURRENTLY EXPOSED SHALL BE SEEDED, PROTECTED, AND MAINTAINED BY THE CONTRACTOR. THE CONTRACTOR SHALL REGULARLY CHECK ALL SEEDED AREAS TO ENSURE THAT A GOOD STAND OF GRASS IS MAINTAINED. LOOSE STRAW MULCH (AT A RATE OF 15 TONS PER ACRE) OR HYDROSEED FIBER-MULCH SHALL BE UTILIZED TO PROTECT SEEDING. HAY MULCH SHALL NOT BE USED. SEE PLANT SCHEDULE, SHEET L-1 OF THIS PLAN SET.
- SELECTIVE PRUNING: TRIM OVERHANGING TREES WITHIN THE LIMIT OF WORK TO A MINIMUM HEIGHT OF 1' ABOVE FINISH GRADE OF WALKWAYS (SEE ENGINEER'S PLANS).

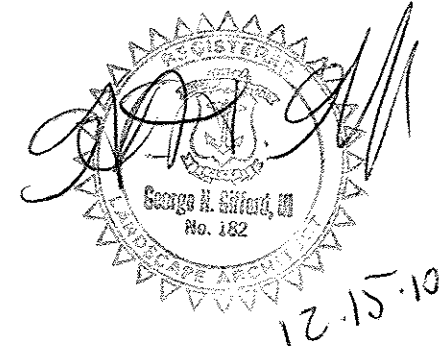
PHRAGMITES CONTROL PROCEDURE NOTES:

- APPLY FOLIAR SPRAY OF GLYPHOSATE HERBICIDE APPROVED FOR AQUATIC USE, SIMILAR TO "RODIO", OR EQUAL, TO PHRAGMITES COLONY DURING THE SUMMER, AFTER THE SEED HEAD HAS FORMED, UP TO THE FIRST FROST. UTILIZE A STATE-REGISTERED NONIONIC SURFACTANT IN CONJUNCTION WITH THE HERBICIDE TO ENSURE HERBICIDE IS EFFICIENTLY TAKEN IN BY THE PLANTS.
- APPLY HERBICIDES AND SURFACTANT IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS AND AS RECOMMENDED BY PRODUCT MANUFACTURERS. DO NOT EXCEED MANUFACTURER'S RECOMMENDED HERBICIDE CONCENTRATION SO AS TO PREVENT TOP KILL OF THE PHRAGMITES AND ENSURE TRANSLLOCATION OF HERBICIDE TO RHIZOME SYSTEM.
- TAKE SPECIAL CARE TO AVOID IMPACT TO, AND PROTECT ANY NATIVE SPECIES WITHIN THE VICINITY OF THE PHRAGMITES COLONY. USE ONLY ON LOW-WIND DAYS TO PREVENT DRIFT.
- MOW STAND OF PHRAGMITES ONE MONTH AFTER HERBICIDE TREATMENT, TO ENSURE AMPLE TIME FOR PLANTS TO ABSORB HERBICIDE. MOWING SHALL BE PERFORMED DURING LATE SUMMER/FALL (SEPTEMBER TO THE FIRST FROST).
- ANNUAL MOWING SHALL BE REPEATED FOR A THREE-YEAR PERIOD, FOLLOWING INITIAL TREATMENT, TO REDUCE SHADING AND ALLOW FOR RE-ESTABLISHMENT OF NATIVE SPECIES.



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THE GIFFORD  
DESIGN GROUP, Inc.  
LANDSCAPE ARCHITECTURE  
ENVIRONMENTAL PLANNING  
4096 MENDON ROAD, CUMBERLAND, RHODE ISLAND 02864  
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LANDSCAPE PLANTING ONLY

PROJECT TITLE:

SANDY ACRES  
RECREATIONAL AREA

A.P. 46, LOT 37 and  
A.P. 38, LOT 178  
100 SANDY BOTTOM ROAD  
COVENTRY, RHODE ISLAND

PREPARED FOR:

TOWN OF COVENTRY

1670 FLAT RIVER ROAD  
COVENTRY, RHODE ISLAND

DRAWING TITLE:

LANDSCAPE PLAN NO. 2

DATE:

SEPTEMBER 2010

SCALE:

1" = 40'

DWG. NAME:

231650 Planting Plan R1 12-10.dwg

NO.

DATE

REVISION

1

12/8/10

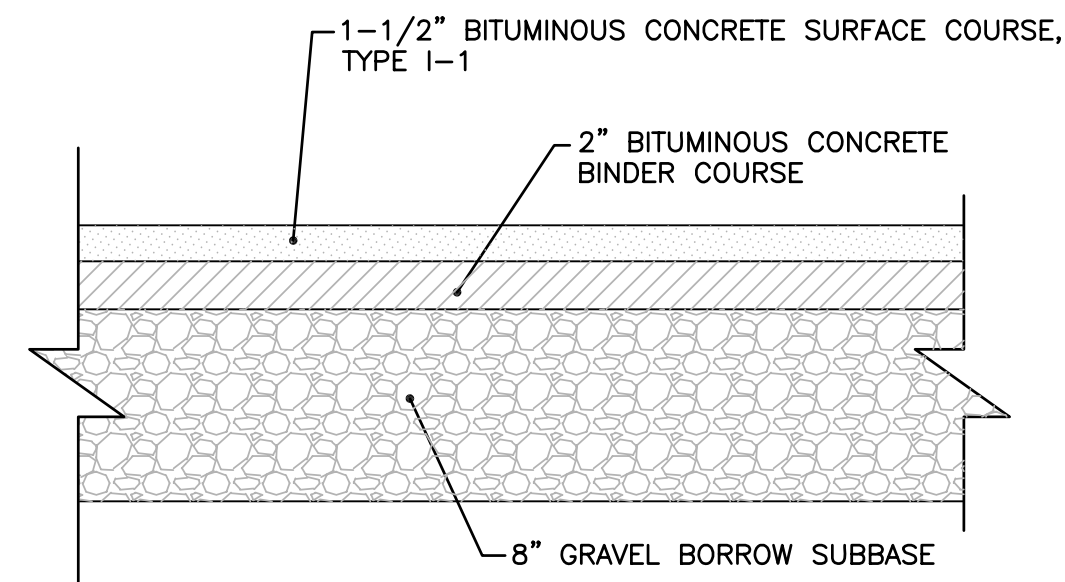
RIDEM AND RIDOT COMMENTS

DRAWING NUMBER

L 2

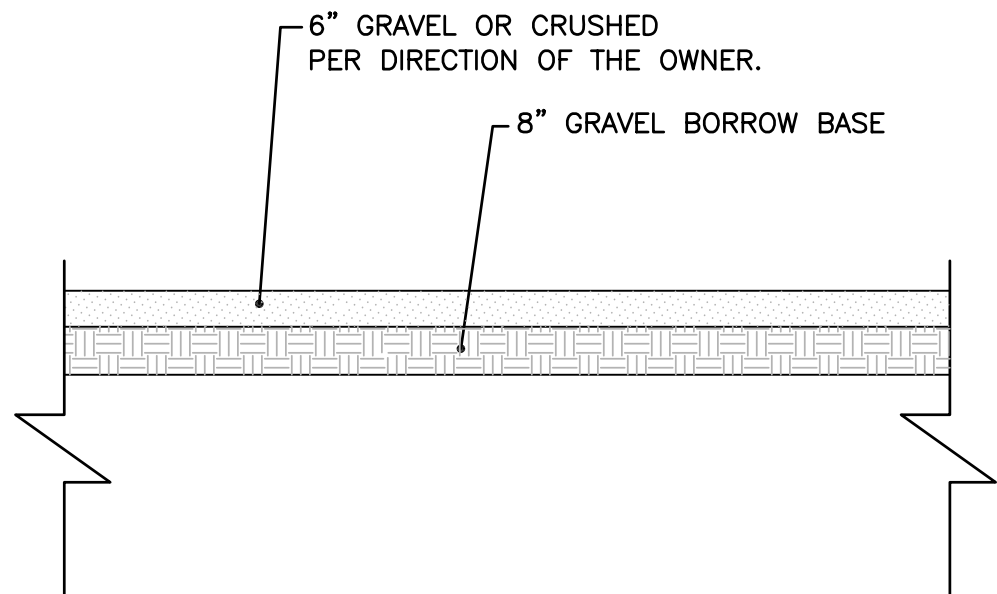
SHEET: 3 OF 14



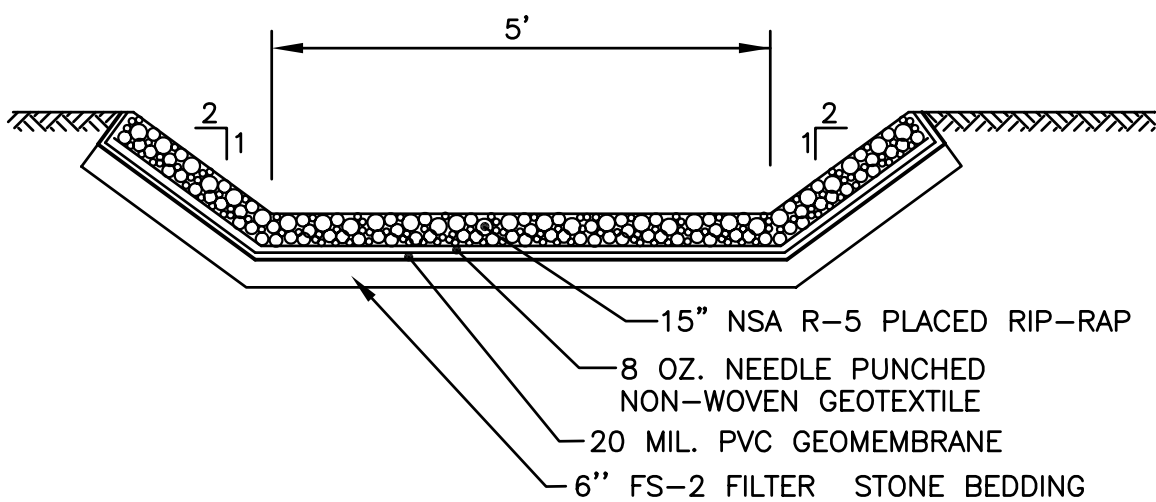
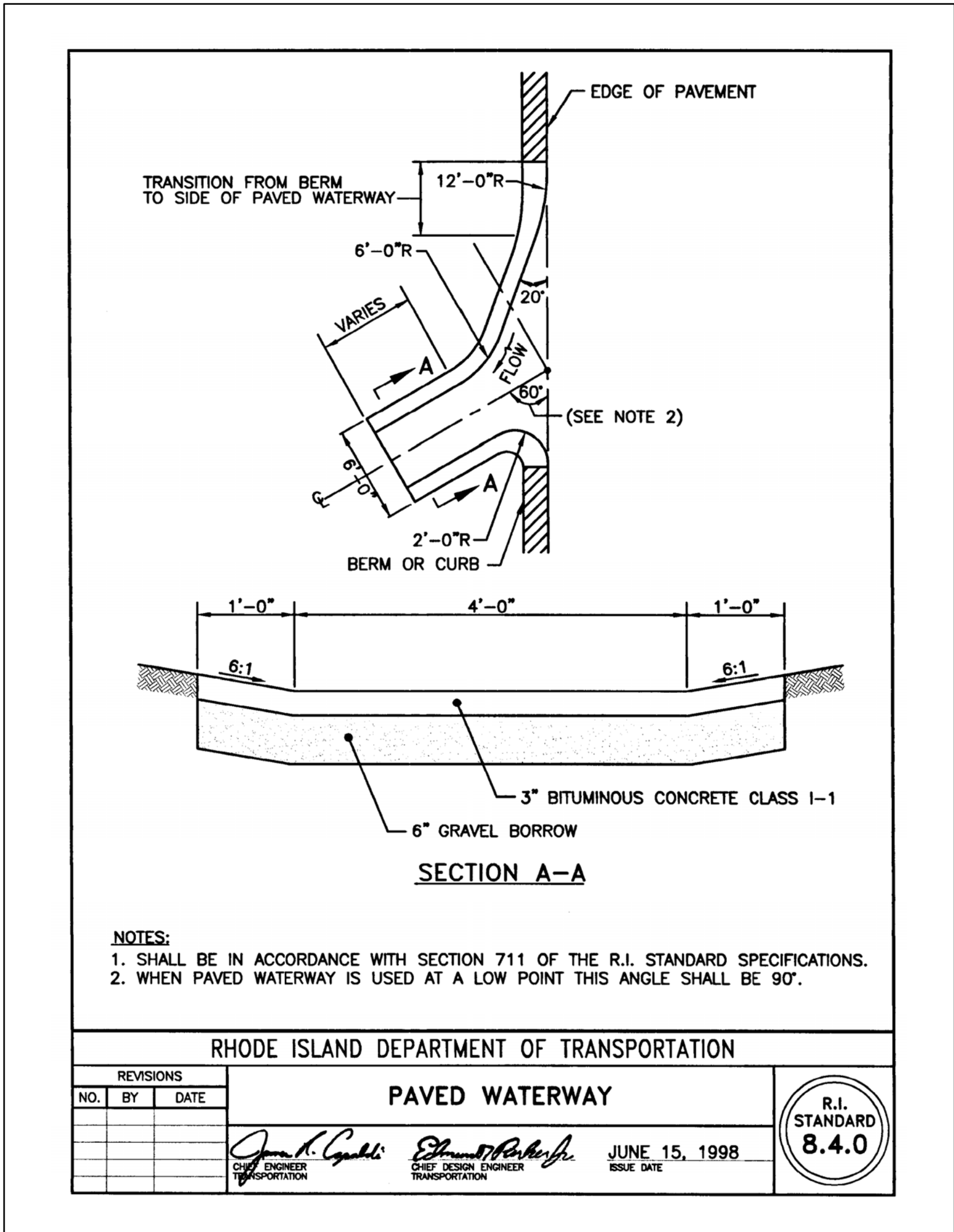


NOTE:  
THE ABOVE PAVEMENT THICKNESS REPRESENTS THE MINIMUM THICKNESS FOR PASSENGER VEHICLE AREAS. PAVEMENT DEPTH TO BE BASED UPON SITE SPECIFIC SOIL CONDITIONS.

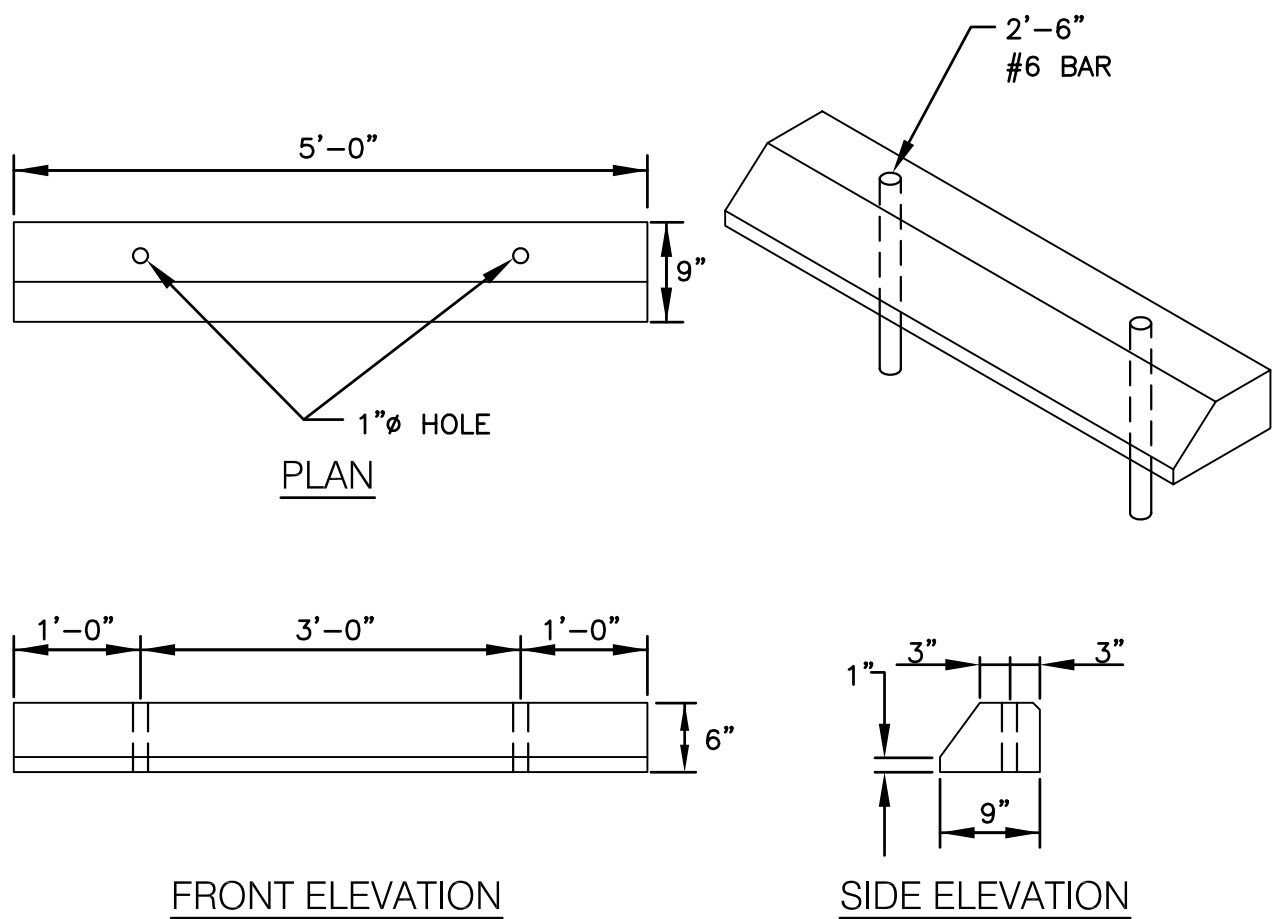
TYPICAL BITUMINOUS PAVEMENT STRUCTURE DETAIL  
NOT TO SCALE



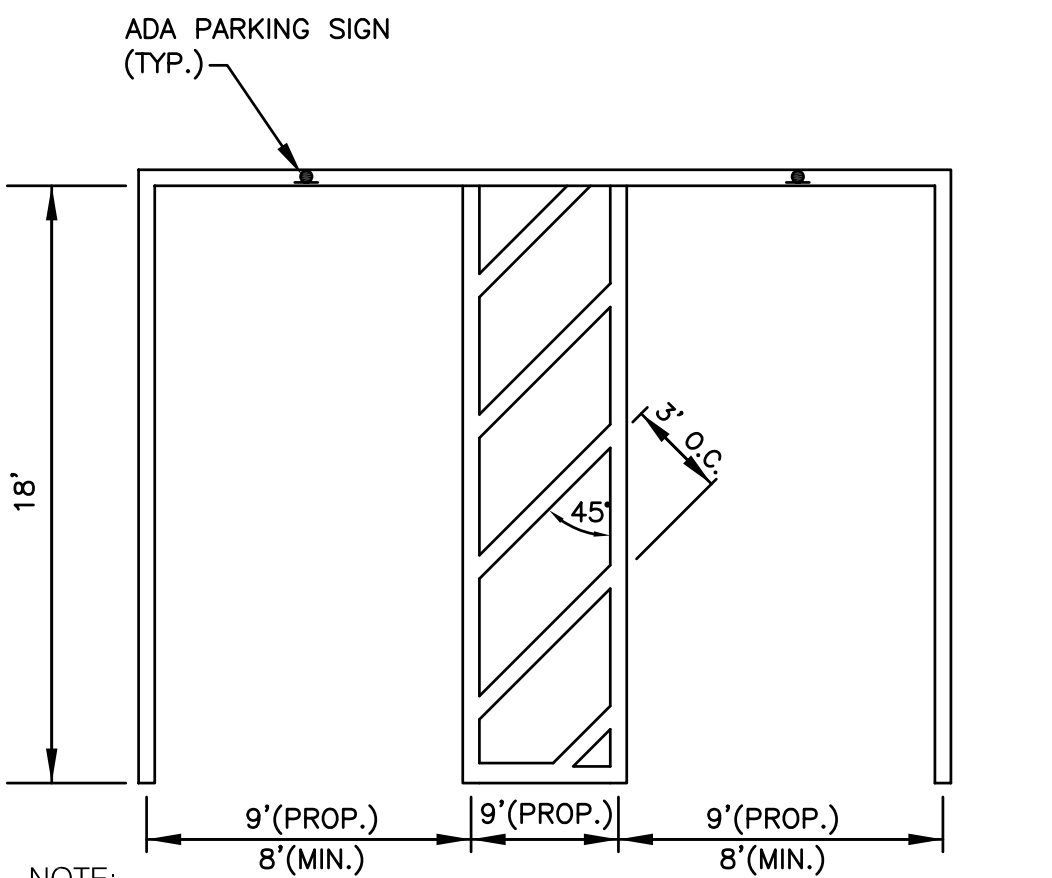
TYPICAL SECTION - PERVIOUS PARKING AREA  
NOT TO SCALE



RIP-RAP SWALE DETAIL  
NOT TO SCALE

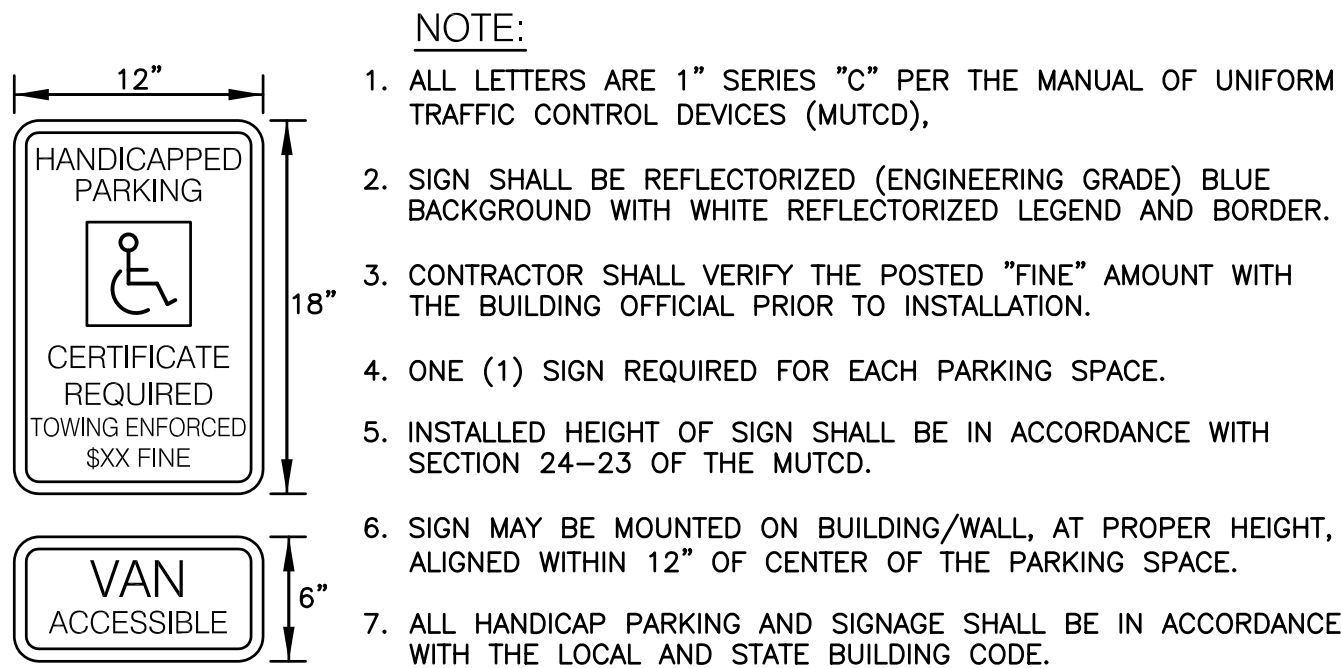


PRECAST CONCRETE CAR STOPS DETAIL  
NOT TO SCALE



NOTE:  
ALL ADA PARKING SPACES SHALL BE IN ACCORDANCE WITH THE LOCAL AND STATE BUILDING CODE AND ADA REQUIREMENTS.

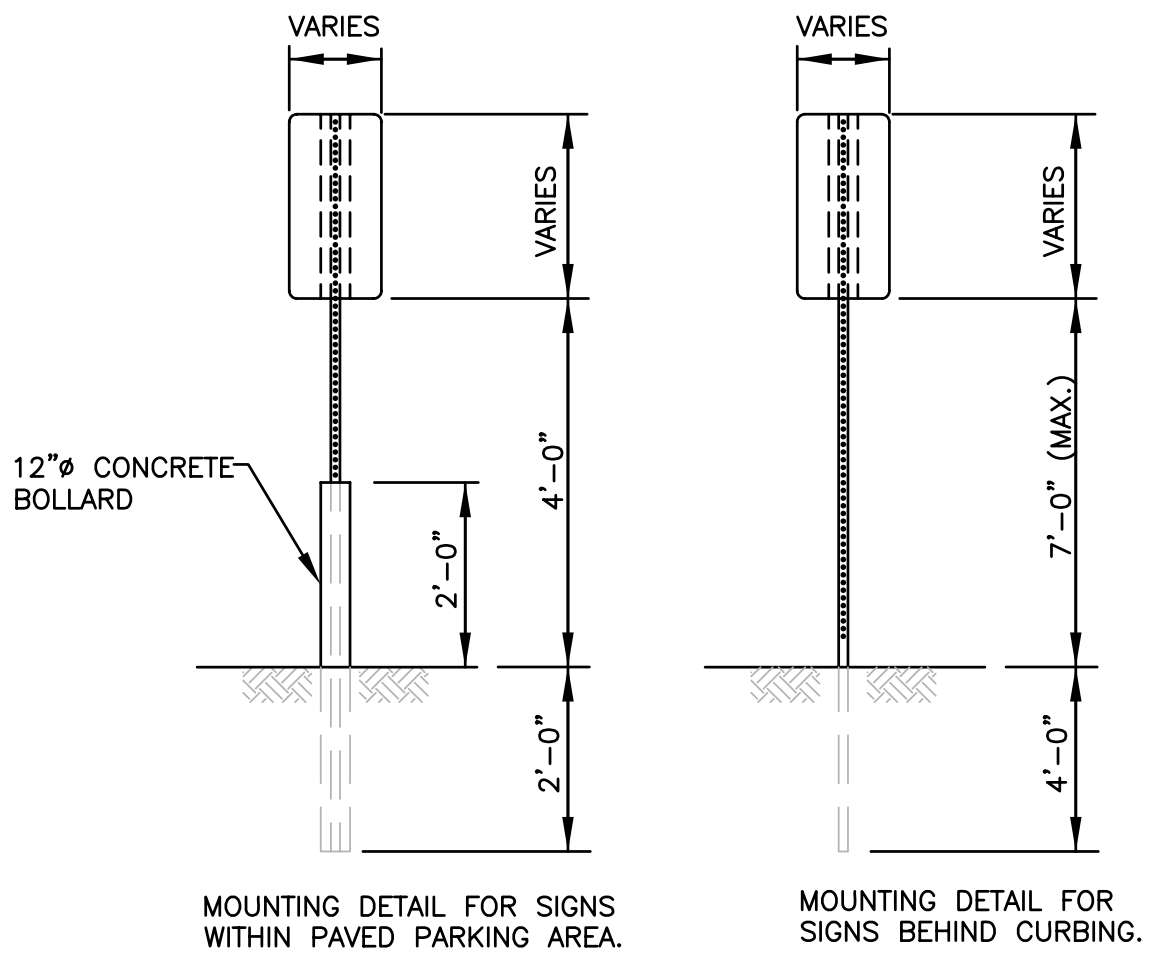
ADA PARKING STALL LAYOUT  
NOT TO SCALE



NOTE:  
1. ALL LETTERS ARE 1" SERIES "C" PER THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).  
2. SIGN SHALL BE REFLECTORIZED (ENGINEERING GRADE) BLUE BACKGROUND WITH WHITE REFLECTORIZED LEGEND AND BORDER.  
3. CONTRACTOR SHALL VERIFY THE POSTED "FINE" AMOUNT WITH THE BUILDING OFFICIAL PRIOR TO INSTALLATION.  
4. ONE (1) SIGN REQUIRED FOR EACH PARKING SPACE.  
5. INSTALLED HEIGHT OF SIGN SHALL BE IN ACCORDANCE WITH SECTION 24-23 OF THE MUTCD.  
6. SIGN MAY BE MOUNTED ON BUILDING/WALL, AT PROPER HEIGHT, ALIGNED WITHIN 12" OF CENTER OF THE PARKING SPACE.  
7. ALL HANDICAP PARKING AND SIGNAGE SHALL BE IN ACCORDANCE WITH THE LOCAL AND STATE BUILDING CODE.

SIGN NOTES:  
1. SIGN POSTS SHALL BE GALVANIZED STEEL U-CHANNEL (3 1/2" WIDE-MIN.) AND INSTALLED IN CONFORMANCE WITH MUTCD AND LOCAL STANDARDS AND SPECIFICATIONS.  
2. POSTS SHALL BE DRIVEN TO A DEPTH OF 4 FEET (MIN.)  
3. THE EDGE OF THE SIGN SHALL BE 18" FROM THE FACE OF THE CURB.  
4. WITHIN SIDEWALK LOCATIONS THE SIGN POST WILL BE INSTALLED WITHIN A 8"x8"x6" SQUARE BOX FORM.

PROPOSED HANDICAPPED PARKING SIGNS  
NOT TO SCALE



SIGN MOUNTING DETAIL  
NOT TO SCALE



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Email: cel@crossmaneng.com

PROJECT TITLE:

**SANDY ACRES  
RECREATIONAL AREA**

*A.P. 46, LOT 37 and  
A.P. 38, LOT 178  
100 SANDY BOTTOM ROAD  
COVENTRY, RHODE ISLAND*

PREPARED FOR:

**TOWN OF COVENTRY**

1670 FLAT RIVER ROAD  
COVENTRY, RHODE ISLAND

DRAWING TITLE:

**MISCELLANEOUS DETAILS NO. 1**

|       |           |        |          |
|-------|-----------|--------|----------|
| DATE: | JUNE 2010 | SCALE: | AS NOTED |
|-------|-----------|--------|----------|

DWG. NAME:

| NO. | DATE    | REVISION                      |
|-----|---------|-------------------------------|
| 1   | 12/8/10 | RIDEM AND RIDOT COMMENTS      |
| 2   | 1/31/11 | US FISH AND WILDLIFE COMMENTS |

DRAWING NUMBER

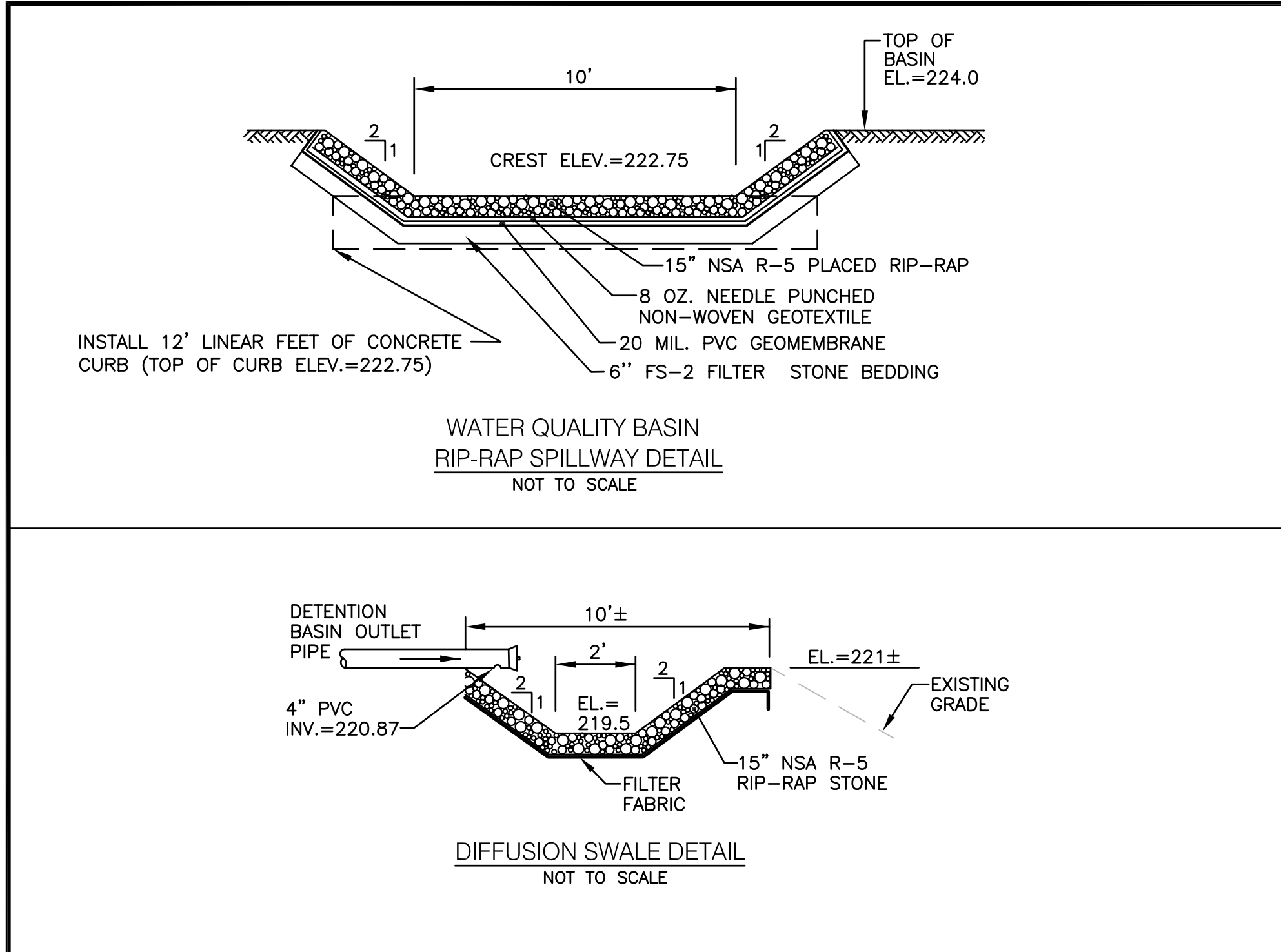
**C7**

SHEET: 10 OF 14

NOT FOR CONSTRUCTION



S:\1516 - Sandy Bottom Rd - Coventry\Current\AAD Dwg\02-DESIGN PLANS\03-RIDEM AND RIDOT RE-SUBMISSION-Rev2\1516-11-DET7 REV2.dwg, 2/7/2011 4:06:57 PM, Adobe PDF

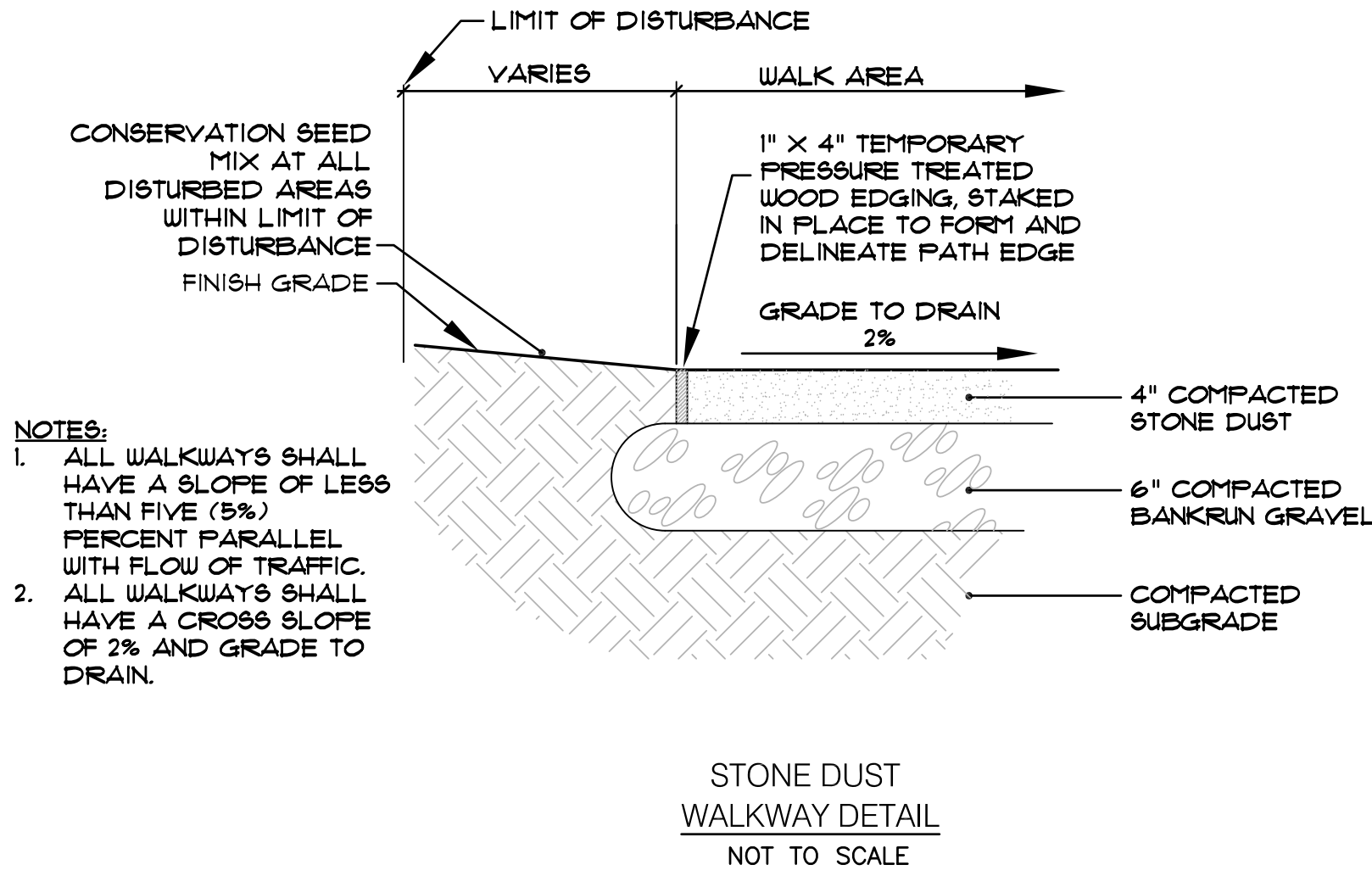
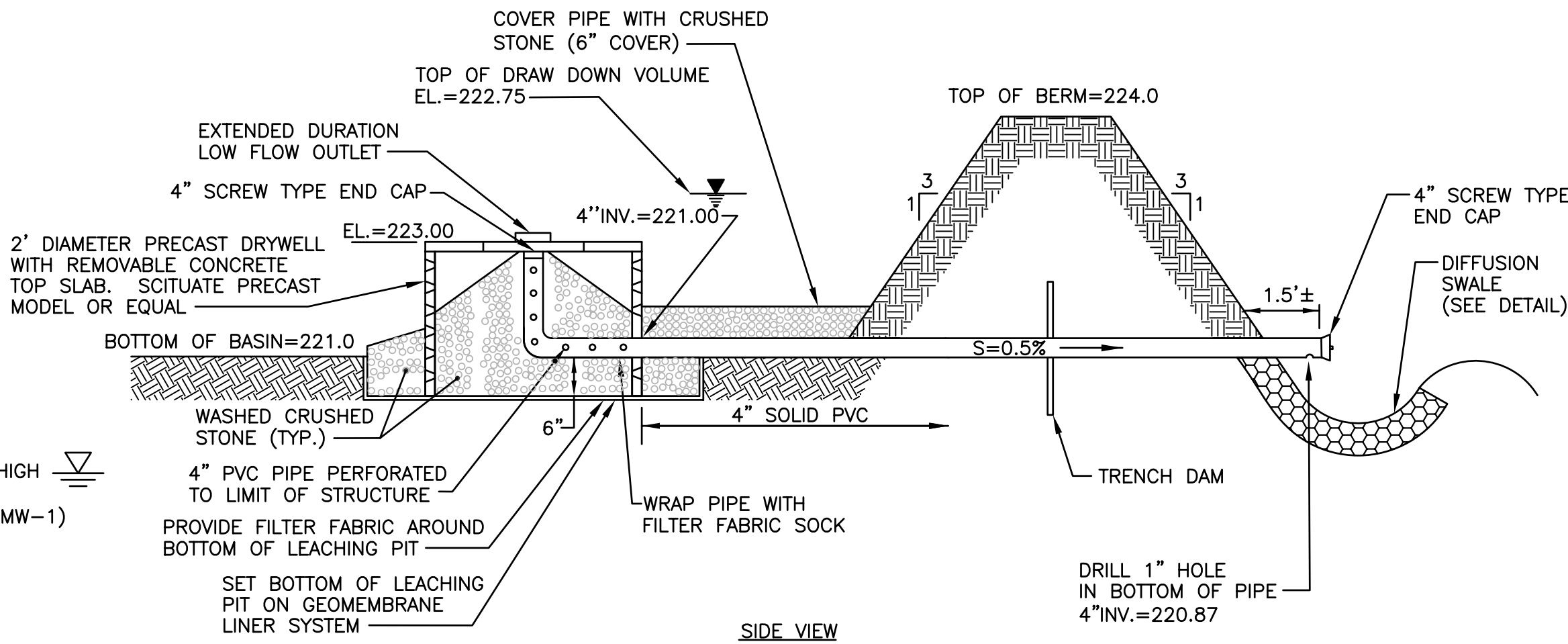


| DETENTION BASIN<br>STAGE/STORAGE TABLE |                     |                      |
|----------------------------------------|---------------------|----------------------|
| ELEV.                                  | CONTOUR AREA (S.F.) | TOTAL STORAGE (C.F.) |
| 221                                    | 3,635               | 0                    |
| 222                                    | 4,408               | 4,022                |
| 223                                    | 5,238               | 8,845                |
| 224                                    | 6,122               | 14,525               |
|                                        |                     |                      |
|                                        |                     |                      |
|                                        |                     |                      |
|                                        |                     |                      |
|                                        |                     |                      |

NOTE: THE MINIMUM STORAGE VOLUME FROM ELEVATION 221 TO ELEVATION 222.75 MUST BE 7,639 CUBIC FEET.

ESTIMATED SEASONAL HIGH  
GROUNDWATER  
ELEV.=219.17± (F&O MW-1)

**WATER QUALITY BASIN - LOW FLOW  
OUTLET CONTROL STRUCTURE DETAIL**  
NOT TO SCALE

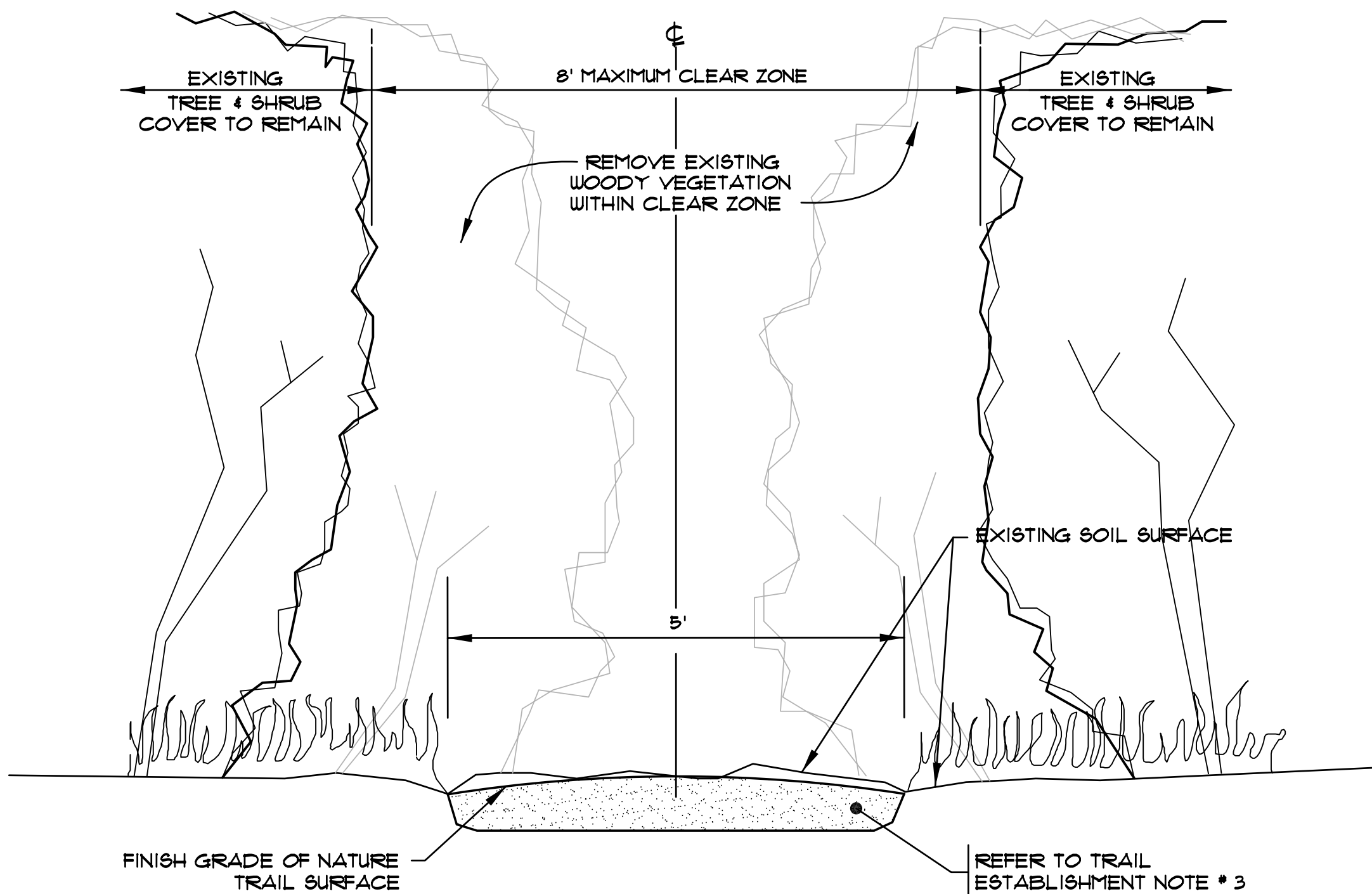


#### NATURE TRAIL ESTABLISHMENT NOTES:

- OVERALL HORIZONTAL ALIGNMENT OF NATURE TRAIL INDICATED ON THESE PLANS SHALL GENERALLY FOLLOW STAKED LOCATION (INDICATED AS 'P-XX') UNLESS OTHERWISE INDICATED ON PLANS AND IS INTENDED TO BE AN ACCURATE GUIDELINE. CONTRACTOR SHALL STAKE ALIGNMENT OF PATH FOR REVIEW BY OWNER'S REPRESENTATIVE. FINAL PRECISE ALIGNMENT SHALL BE DETERMINED ON SITE TO MINIMIZE CONFLICTS WITH EXISTING TREE LOCATIONS.
- CUT BACK & REMOVE ALL WOODY VEGETATION GROWING IN THE 8' MAXIMUM CLEAR ZONE OR EXTENDING INTO THE 8' MAXIMUM CLEAR ZONE FROM THE ADJACENT WOODLAND. REMOVE EXISTING WOODY VEGETATION, INCLUDING BUT NOT LIMITED TO SHRUBBY VEGETATION AND TREE SAPLINGS, WITHIN THE DEFINED AND APPROVED CLEAR AREA.
- TILL GROUND SURFACE OF 5' WIDE NATURE TRAIL ONLY, TO A MINIMUM DEPTH OF 6". RAKE AND REMOVE LARGE STONES (GREATER THAN 1" DIAMETER), AND LARGE DEBRIS (INCLUDING STUMPS, TWIGS, ROOTS, STICKS GREATER THAN 1/2" DIAMETER & 2" LONG, AND ANY UNNATURAL DEBRIS/TRASH), AND GRADE SMOOTH EXISTING TOPSOIL. COMPACT EXISTING GROUND SURFACE TO MAINTAIN EXISTING GRADE ALONG THE NATURE TRAIL ALIGNMENT.
- TRIM OVERHANGING TREES WITHIN THE CLEAR ZONE TO A MINIMUM HEIGHT OF 1' ABOVE FINISH GRADE OF NATURE TRAIL.
- THE NATURE TRAIL SURFACE SHALL BE TEMPORARILY STABILIZED WITH 2" OF MULCH AND ALLOWED TO NATURALIZE. FUTURE MAINTENANCE WOULD CONSIST OF CUTTING WOODY GROWTH AND PRUNING OVERHANGING LIMBS/WOODY GROWTH.
- INTERPERATIVE SIGN PANELS WILL BE INSTALLED ALONG THE NATURE TRAIL FOR EDUCATIONAL PURPOSES.

#### NATURE TRAIL ESTABLISHMENT CROSS SECTION

NOT TO SCALE



- Civil
- Transportation
- Environmental
- Site Planning
- Land Surveying

#### CROSSMAN ENGINEERING

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## THE GIFFORD DESIGN GROUP, Inc.

LANDSCAPE ARCHITECTURE  
ENVIRONMENTAL PLANNING

4096 MENDON ROAD, CUMBERLAND, RHODE ISLAND 02864  
P H O N E (401) 671-6336 F A X (401) 671-6466

PROJECT TITLE:

### SANDY ACRES RECREATIONAL AREA

A.P. 46, LOT 37 and  
A.P. 38, LOT 178  
100 SANDY BOTTOM ROAD  
COVENTRY, RHODE ISLAND

PREPARED FOR:

TOWN OF COVENTRY

1670 FLAT RIVER ROAD  
COVENTRY, RHODE ISLAND

DRAWING TITLE:

### MISCELLANEOUS DETAILS NO. 2

DATE:  
JUNE 2010

SCALE:  
AS NOTED

DWG. NAME:

| NO. | DATE    | REVISION                      |
|-----|---------|-------------------------------|
| 1   | 12/8/10 | RIDEM AND RIDOT COMMENTS      |
| 2   | 1/31/11 | US FISH AND WILDLIFE COMMENTS |

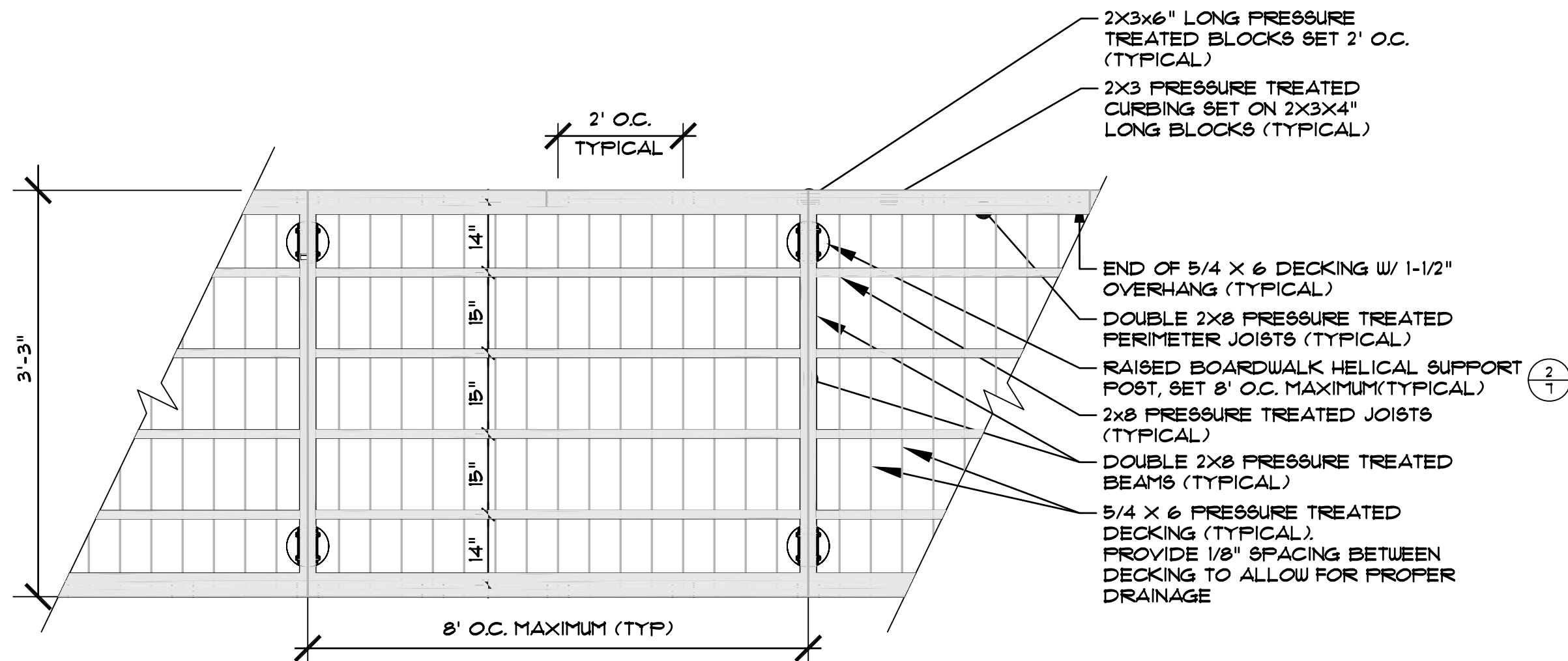
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# C8

SHEET: 11 OF 14

NOT FOR CONSTRUCTION

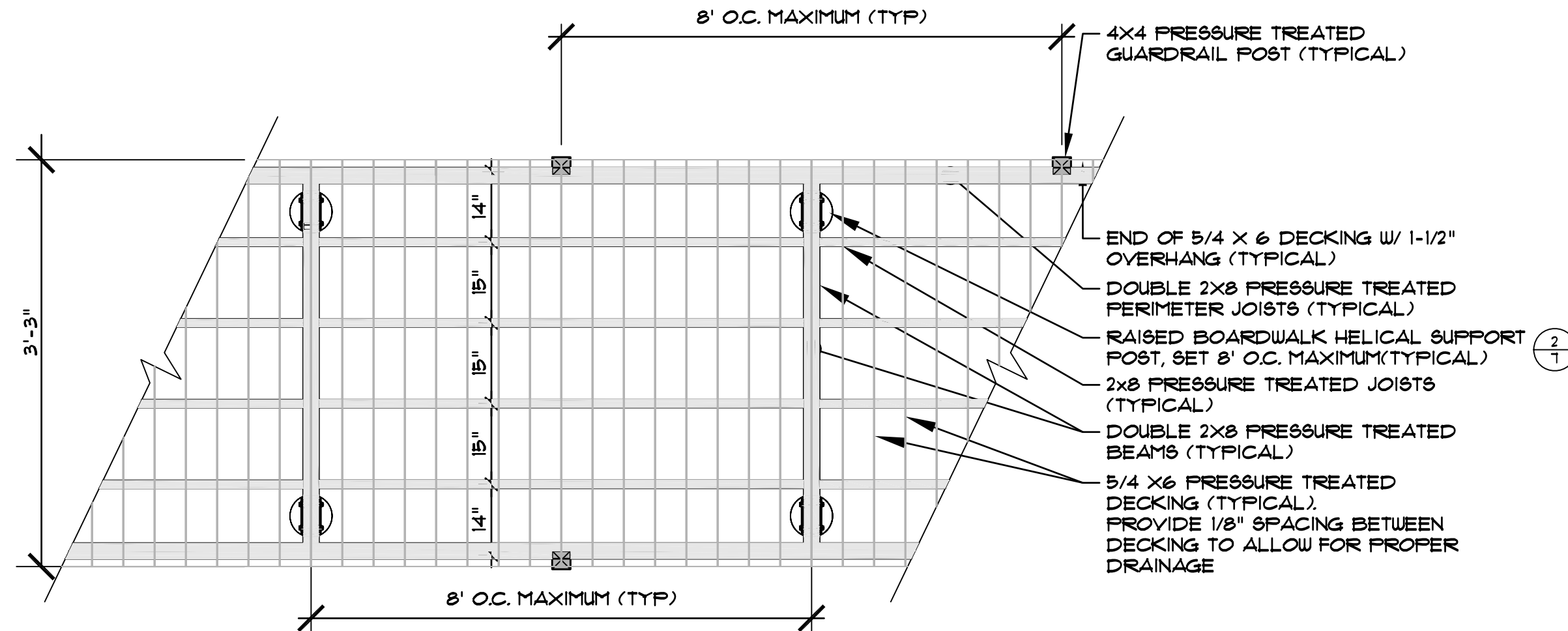




**NOTES:**

- 1) THIS DETAIL IS SHOWN FOR REFERENCE ONLY. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL PROVIDE R.I. ENGINEERED SHOP DRAWINGS OF RAISED BOARDWALK AND RAISED BOARDWALK SUPPORT SYSTEM.
- 2) SOIL BEARING CAPACITY TO BE DETERMINED BY CONTRACTOR.

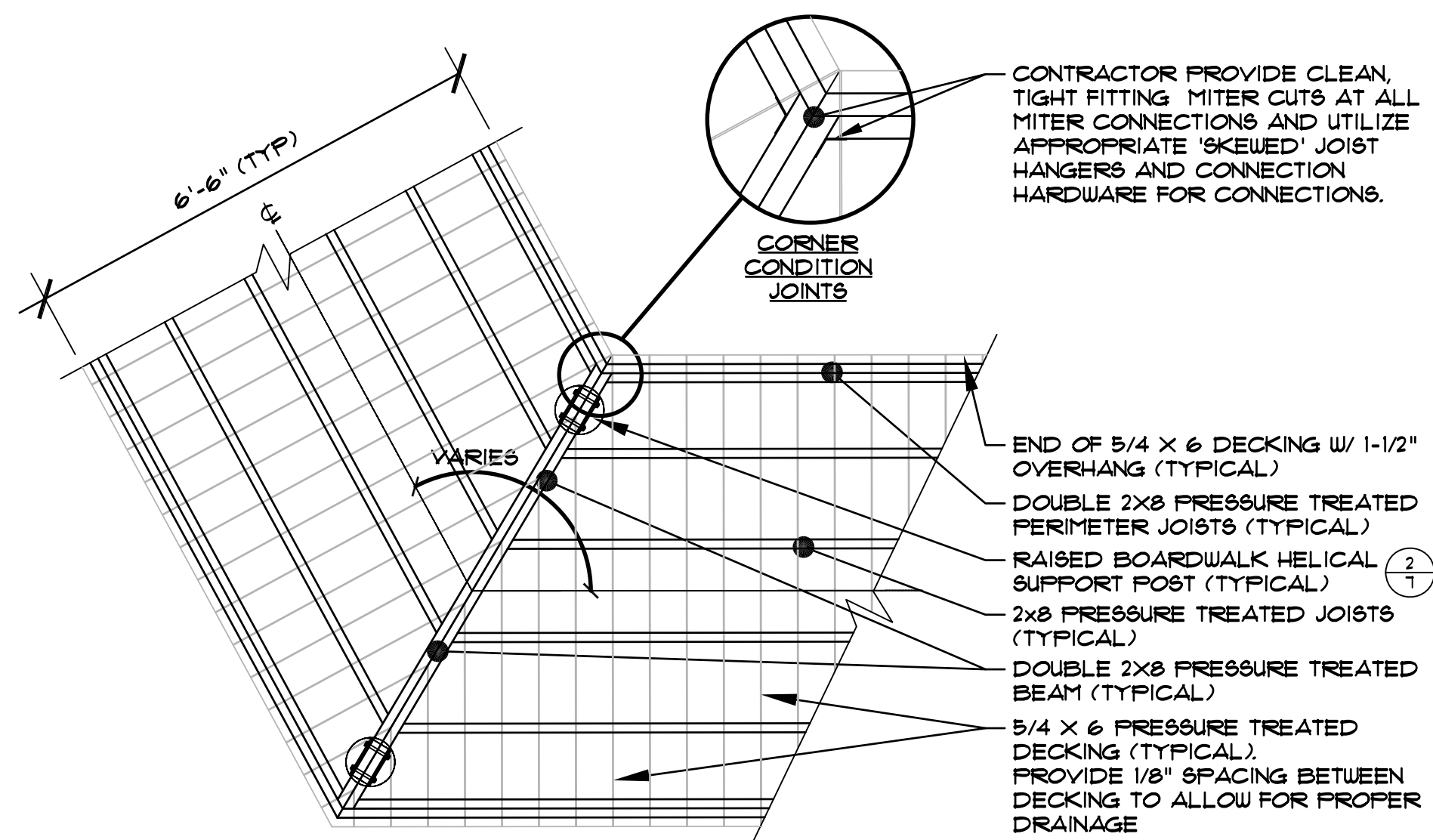
PLAN VIEW AND FRAMING PLAN FOR RAISED BOARDWALK WITHOUT GUARDRAIL  
NOT TO SCALE



**NOTES:**

- 1) THIS DETAIL IS SHOWN FOR REFERENCE ONLY. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL PROVIDE R.I. ENGINEERED SHOP DRAWINGS OF RAISED BOARDWALK AND RAISED BOARDWALK SUPPORT SYSTEM.
- 2) SOIL BEARING CAPACITY TO BE DETERMINED BY CONTRACTOR.

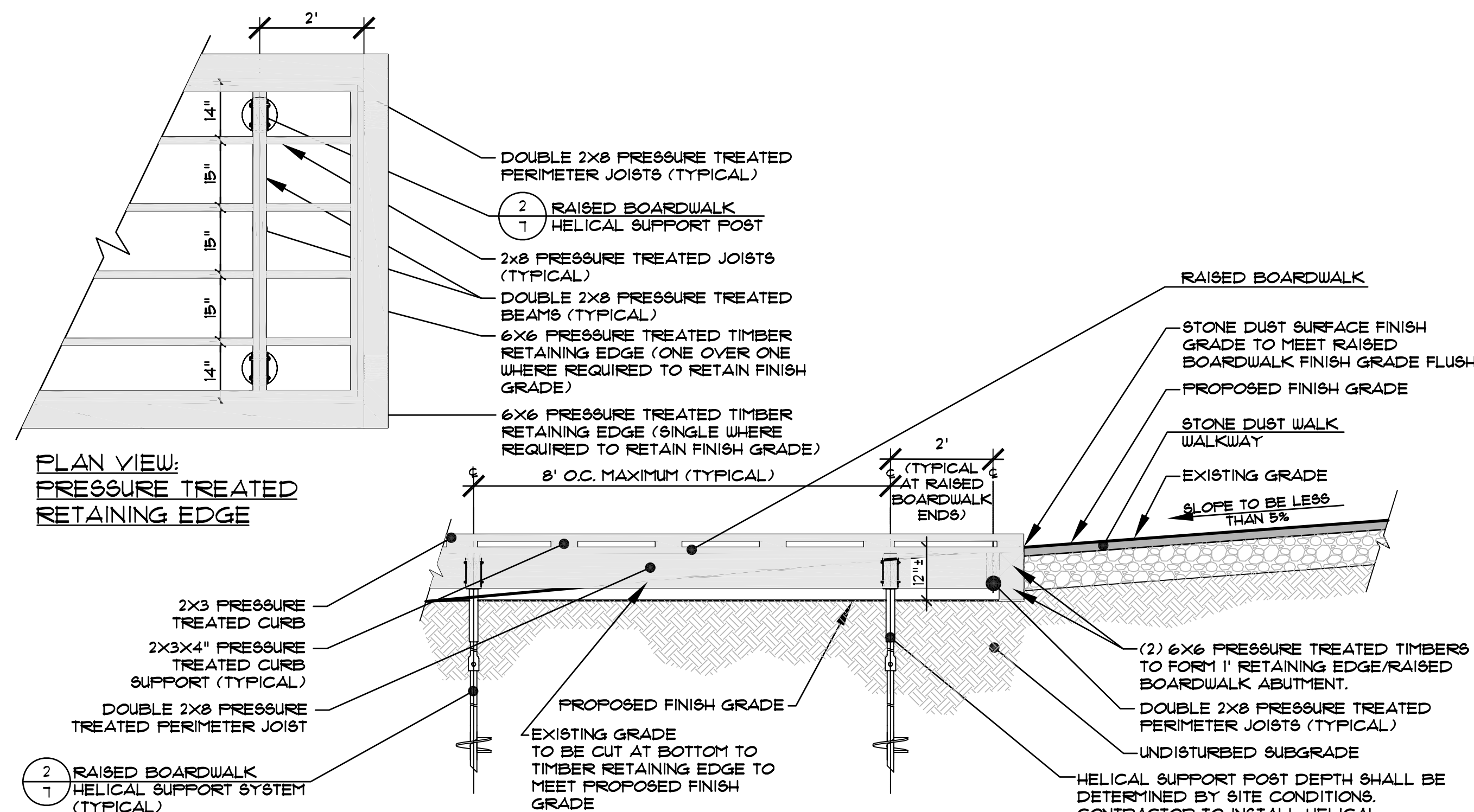
PLAN VIEW AND FRAMING PLAN FOR RAISED BOARDWALK WITH GUARDRAIL  
NOT TO SCALE



**NOTES:**

- 1) THIS DETAIL IS SHOWN FOR REFERENCE ONLY. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL PROVIDE R.I. ENGINEERED SHOP DRAWINGS OF RAISED BOARDWALK AND RAISED BOARDWALK SUPPORT SYSTEM.
- 2) SOIL BEARING CAPACITY TO BE DETERMINED BY CONTRACTOR.

PLAN VIEW AND FRAMING PLAN FOR RAISED BOARDWALK AT CORNER CONDITION (TYPICAL)  
NOT TO SCALE



**NOTES:**

- 1) THIS DETAIL IS SHOWN FOR REFERENCE ONLY. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL PROVIDE R.I. ENGINEERED SHOP DRAWINGS OF RAISED BOARDWALK AND RAISED BOARDWALK SUPPORT SYSTEM.
- 2) SOIL BEARING CAPACITY TO BE DETERMINED BY CONTRACTOR.

RAISED BOARDWALK END SECTION  
NOT TO SCALE



- Civil
- Transportation
- Environmental
- Site Planning
- Land Surveying

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**DESIGN GROUP, Inc.**

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ENVIRONMENTAL PLANNING  
4096 MENDON ROAD, CUMBERLAND, RHODE ISLAND 02864  
P H O N E (401) 671-6336 F A X (401) 671-6466

PROJECT TITLE:

**SANDY ACRES**  
**RECREATIONAL AREA**

A.P. 46, LOT 37 and  
A.P. 38, LOT 178  
100 SANDY BOTTOM ROAD  
COVENTRY, RHODE ISLAND

PREPARED FOR:

**TOWN OF COVENTRY**

1670 FLAT RIVER ROAD  
COVENTRY, RHODE ISLAND

DRAWING TITLE:

**MISCELLANEOUS DETAILS NO. 3**

DATE:

JUNE 2010

SCALE:

AS NOTED

DWG. NAME:

| NO. | DATE    | REVISION                      |
|-----|---------|-------------------------------|
| 1   | 12/8/10 | RIDEM AND RIDOT COMMENTS      |
| 2   | 1/31/11 | US FISH AND WILDLIFE COMMENTS |

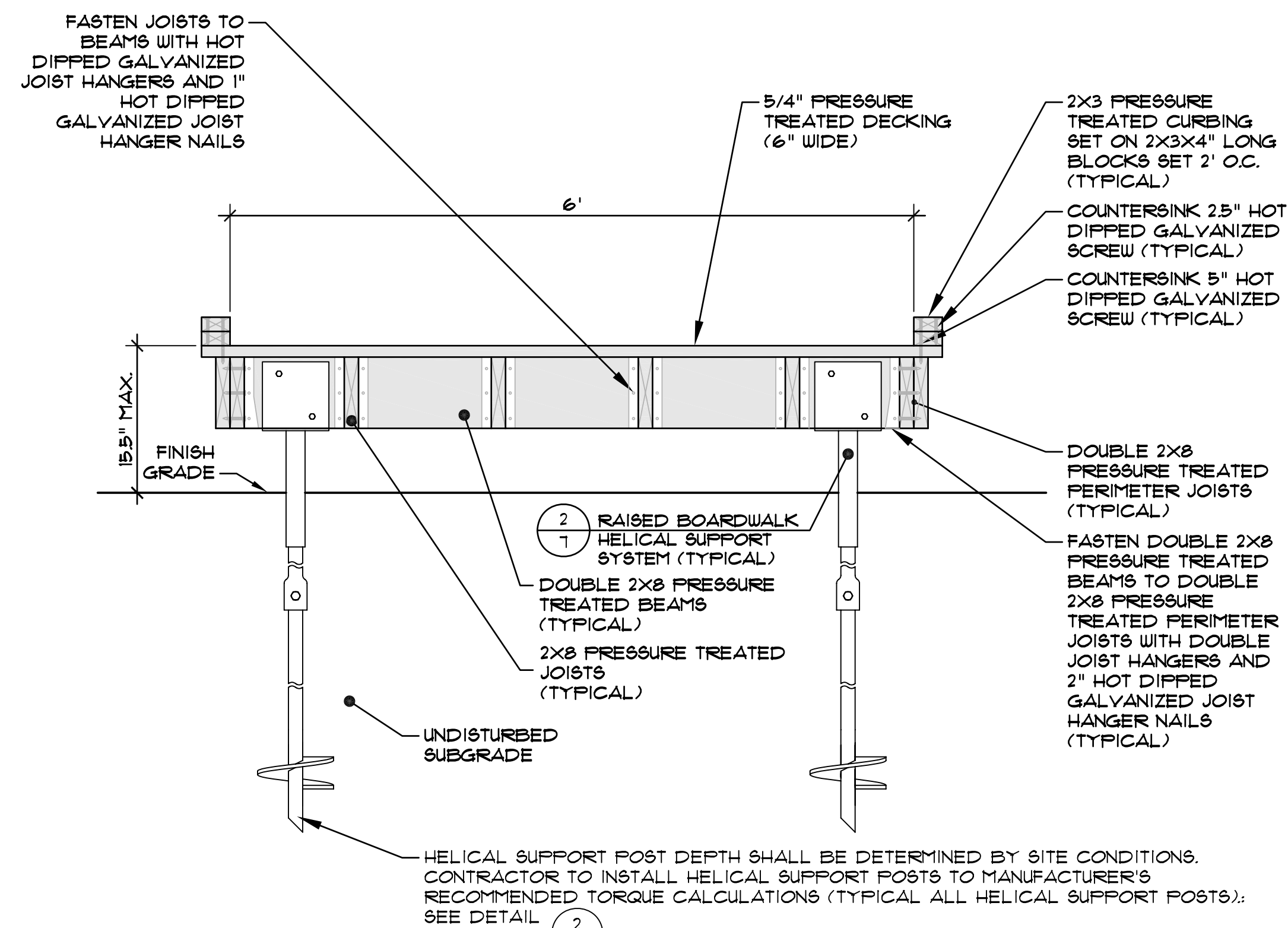
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**C9**

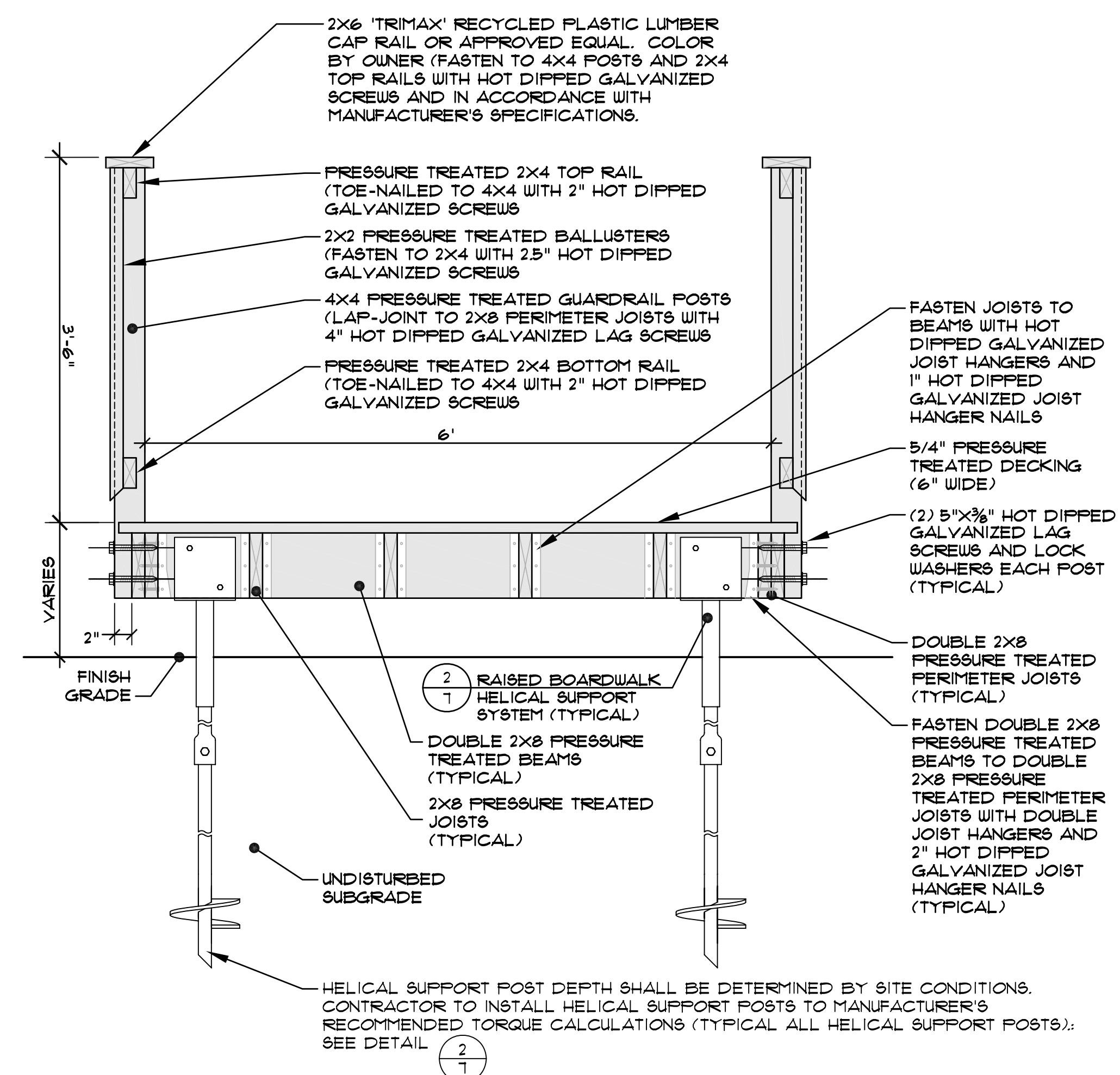
SHEET: 12 OF: 14

NOT FOR CONSTRUCTION

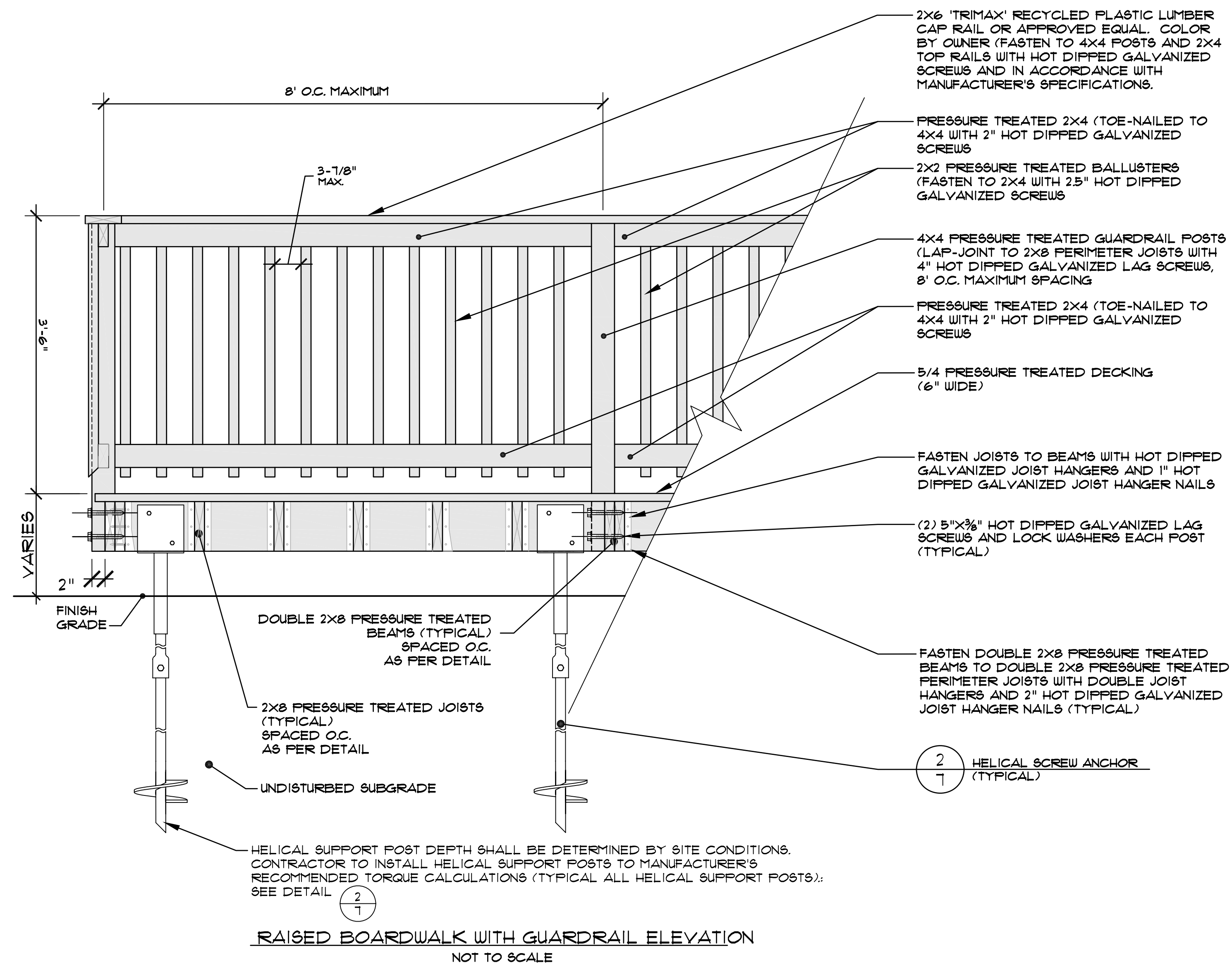




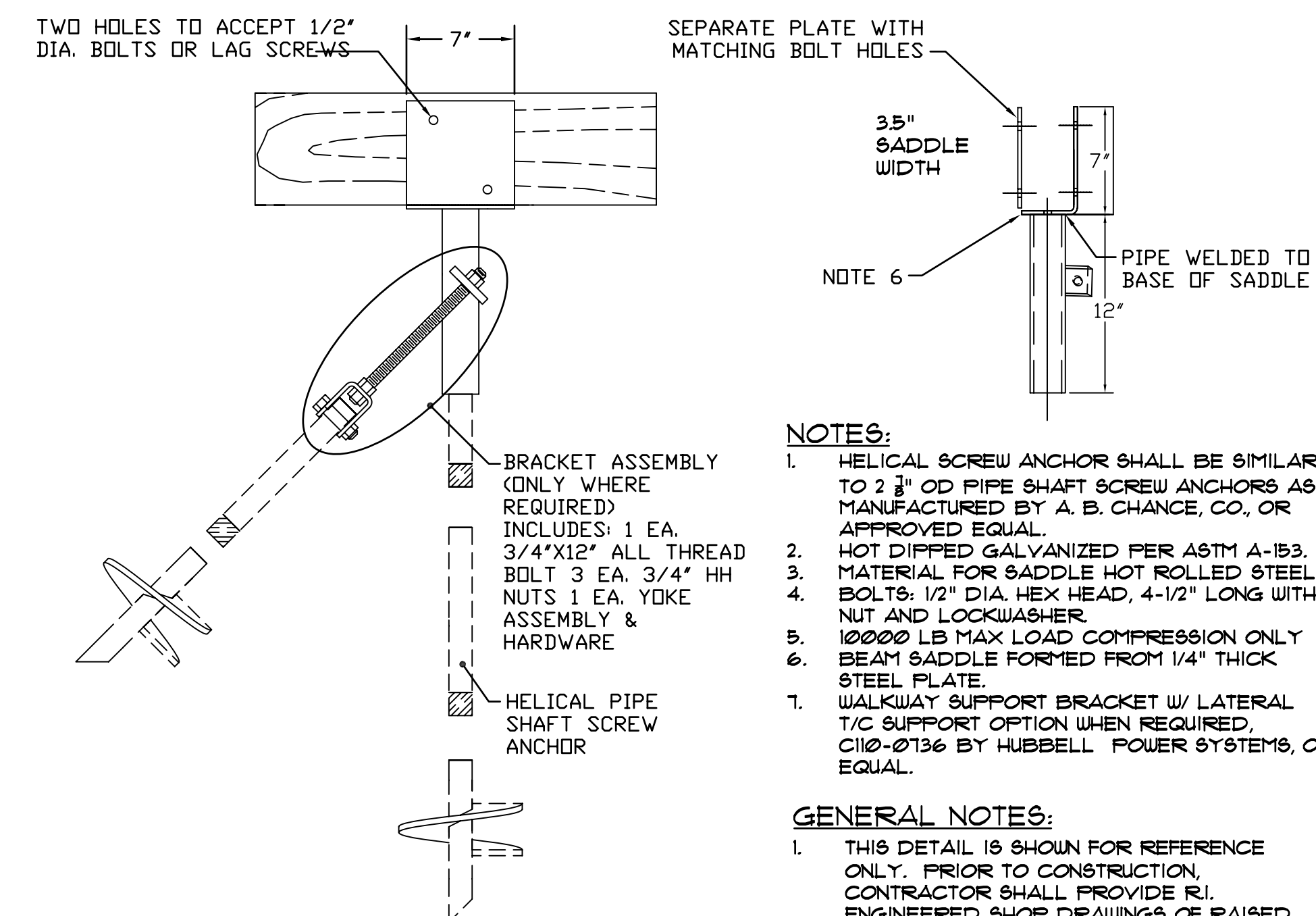
RAISED BOARDWALK WITHOUT GUARDRAIL  
NOT TO SCALE



RAISED BOARDWALK WITH GUARDRAIL  
NOT TO SCALE



RAISED BOARDWALK WITH GUARDRAIL ELEVATION  
NOT TO SCALE



- NOTES:**
1. HELICAL SCREW ANCHOR SHALL BE SIMILAR TO 2 3/4" OD PIPE SHAFT SCREW ANCHORS AS MANUFACTURED BY A. B. CHANCE, CO., OR APPROVED EQUAL.
  2. HOT DIPPED GALVANIZED PER ASTM A-153.
  3. MATERIAL FOR SADDLE HOT ROLLED STEEL.
  4. 1/8" 1/2" DIA. HEX-HEAD, 4-1/2" LONG WITH NUT AND LOCKWASHER.
  5. 10000 LB MAX LOAD COMPRESSION ONLY
  6. BEAM SADDLE FORMED FROM 1/4" THICK STEEL PLATE.
  7. WALKWAY SUPPORT BRACKET W/ LATERAL T/C SUPPORT OPTION WHEN REQUIRED.
  8. C110-2736 BY HUBBELL POWER SYSTEMS, OR EQUAL.

- GENERAL NOTES:
1. THIS DETAIL IS SHOWN FOR REFERENCE ONLY. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL PROVIDE R.I. ENGINEERED SHOP DRAWINGS OF RAISED BOARDWALK AND RAISED BOARDWALK SUPPORT SYSTEM.
  2. SOIL BEARING CAPACITY TO BE DETERMINED BY CONTRACTOR.

2  
1

RAISED BOARDWALK HELICAL SUPPORT POST DETAIL

NOT TO SCALE



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PHONE (401) 671-6336 FAX (401) 671-6466

PROJECT TITLE:

*SANDY ACRES  
RECREATIONAL AREA*

A.P. 46, LOT 37 and  
A.P. 38, LOT 178  
100 SANDY BOTTOM ROAD  
COVENTRY, RHODE ISLAND

PREPARED FOR:

TOWN OF COVENTRY

1670 FLAT RIVER ROAD  
COVENTRY, RHODE ISLAND

*DRAWING TITLE:*

MISCELLANEOUS DETAILS NO. 4

DATE: JUNE 2010

SCALE:  
AS NOTED

DWG. NAME:

| NO. | DATE    | REVISION                      |
|-----|---------|-------------------------------|
| 1   | 12/8/10 | RIDEM AND RIDOT COMMENTS      |
| 2   | 1/31/11 | US FISH AND WILDLIFE COMMENTS |

DRAWING NUMBER

# C10

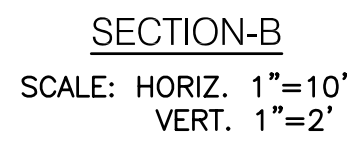
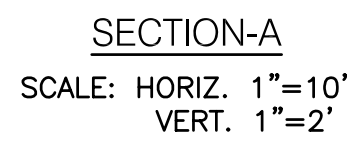
SHEET: 13 OF: 14

NOT FOR CONSTRUCTION



| a division of Crossman Corporation |

Email: [cei@crossmaneng.com](mailto:cei@crossmaneng.com)



*A.P. 46, LOT 37 and  
A.P. 38, LOT 178  
100 SANDY BOTTOM ROAD  
COVENTRY, RHODE ISLAND*

1670 FLAT RIVER ROAD  
COVENTRY, RHODE ISLAND

WETLAND REPLICATION  
CROSS SECTIONS PLAN

JUNE 2010

S NOTED

516-14-SECTIONS REV2.dwg

| NO. | DATE    | REVISION                      |
|-----|---------|-------------------------------|
| 1   | 12/8/10 | RIDEM AND RIDOT COMMENTS      |
| 2   | 1/31/11 | US FISH AND WILDLIFE COMMENTS |

# C11

SHEET: 14 OF: 14

NOT FOR CONSTRUCTION