Cass Park Athletic Facilities

AP 40A, Lots 007, 008, 010, & 012

344 Cumberland Hill Road
Woonsocket, Rhode Island

OWNER/APPLICANT:

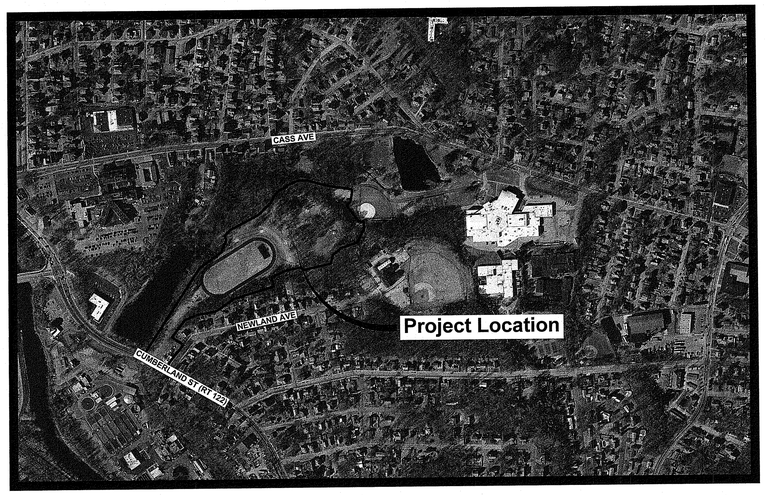
CITY OF WOONSOCKET
169 MAIN STREET
WOONSOCKET, RI 02895
STEVEN D'AGOSTINO
401-767-1413

CIVIL ENGINEER:

PARE CORPORATION
ENGINEERS - SCIENTISTS - PLANNERS
8 BLACKSTONE VALLEY PLACE
LINCOLN, RI 02865
401-334-4100

LANDSCAPE ARCHITECT:

ACTIVITAS
landscape architecture | civil engineering
70 Milton Street | Dedham, MA 02026-2915
(781) 326-2600 | activitas.com



Scale : N.T.S.

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** ONLY DRAWINGS C4.1 - C4.3, C5.4, AND C5.5 REVISED ON SEPTEMBER 16, 2024.

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM

NOTE PER DEM:

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

RIDEM FWW PERMIT SUBMISSION
JULY 2, 2024
REVISED: AUGUST 28, 2024 AND SEPTEMBER 16, 2024

JOSEPH WEED
No. 11763
9/16/24
REGISTERED PROFESSIONAL ENGINEER (CIVIL)

RI Environmental Management
SEP 18 2024
Office of Water Resources

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL
DATED: SEP 20 2024 FILE #: 24-0171
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Martin D. Wencek

REFERENCE

1. PROJECT LOCATION: CASS PARK ATHLETIC FACILTIY, 344 CUMBERLAND HILL ROAD, WOONSOCKET, RI 02895.
   ASSESSOR'S MAP 40A , LOTS 007, 008, 010, AND 012.

2. EXISTING CONDITIONS MAPPING COMPILED FROM: AN AERIAL FLY OVER SURVEY PERFORMED BY PARE CORPORATION ON APRIL 24, 2024; GROUND INSTRUMENT SURVEY PERFORMED BY PARE CORPORATION ON APRIL 10, 2024; PLAN ENTITLED "EXISTING CONDITIONS" DATED JULY 2007 BY NATION LAND SURVEYORS-DEVELOPERS, INC.; PARE CORPORATION INSTRUMENT SURVEY TIED INTO A BENCH MARK THE TOP OF THE SPINDLE OF A HYDRANT LOCATED TO THE NORTH EAST OF THE SITE ESTABLISHED BY NATION LAND SURVEYORS-DEVELOPERS, INC.; VERTICAL DATUM NAVD88.

3. WETLAND FLAGS IDENTIFYING WETLAND RESOURCE AREAS WERE PLACED BY PARE CORPORATION ON MAY 20, 2024 AND JUNE 25, 2024 AND LOCATED BY PARE CORPORATION USING A GPS DEVICE.

GENERAL NOTES

1. PER AVAILABLE RIDEM MAPPING, THE PROJECT SITE IS LOCATED WITHIN A NATURAL HERITAGE AREA.

2. THE STATE OF RHODE ISLAND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AMENDED OCTOBER 2022 WITH ALL REVISIONS AND ADDENDA, AND THE RHODE ISLAND STANDARD DETAILS ARE MADE A PART HEREOF AS FULLY AND COMPLETELY AS IF ATTACHED HERETO. ALL WORK SHALL MEET OR EXCEED THE RHODE ISLAND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, WITH LATEST REVISIONS. THE LATEST REVISION OF THE STANDARD SPECIFICATIONS MAY BE OBTAINED AT THE RHODE ISLAND DEPARTMENT OF TRANSPORTATION.

3. ALL WORK TO BE DONE WITH THE STATE HIGHWAY RIGHT OF WAY (ROW) SHALL CONFORM TO THE RHODE ISLAND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AUGUST 2023 EDITION WITH ALL REVISIONS. STANDARD DETAILS FOR THIS WORK ARE R.I. STANDARD DETAILS 1998 EDITION (AMENDED OCTOBER 2022) WITH ALL REVISIONS.

4. THE CONTRACTOR SHALL MAKE ALL NECESSARY CONSTRUCTION NOTIFICATIONS AND APPLY FOR AND OBTAIN ALL NECESSARY CONSTRUCTION PERMITS, PAY ALL FEES AND POST ALL BONDS ASSOCIATED WITH THE SAME, AND COORDINATE WITH THE ENGINEER AND OWNER'S REPRESENTATIVE AS REQUIRED.

5. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR JOB SITE SAFETY. THE CONTRACTOR SHALL PROVIDE TEMPORARY FENCING AND/OR BARRIERS AROUND ALL OPEN EXCAVATED AREAS IN ACCORDANCE WITH OSHA FEDERAL, STATE, AND LOCAL REQUIREMENTS.

6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS DO NOT CONFLICT WITH ANY KNOWN EXISTING OR OTHER PROPOSED IMPROVEMENTS. IF ANY CONFLICTS ARE DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE OWNER AND THE ENGINEER PRIOR TO INSTALLATION OF ANY PORTION OF THE SITE WORK WHICH WOULD BE AFFECTED. NO FIELD ADJUSTMENTS IN THE LOCATION OF SITE ELEMENTS SHALL BE MADE WITHOUT THE ENGINEER'S APPROVAL.

7. IF ANY DEVIATION OR ALTERATION OF THE WORK PROPOSED ON THESE DRAWINGS IS REQUIRED, THE CONTRACTOR SHALL IMMEDIATELY CONTACT AND COORDINATE ANY DEVIATIONS WITH THE ENGINEER AND OWNER.

8. ANY AREA OUTSIDE OF THE LIMIT OF WORK THAT IS DISTURBED SHALL BE RESTORED TO ITS ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE OWNER.

9. ALL SITE WORK SHALL MEET OR EXCEED THE SITE WORK SPECIFICATIONS PREPARED FOR THIS PROJECT.

10. ALL SIGNS SHALL BE REFLECTORIZED TYPE III SHEETING AND CONFORM WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST REVISION.

11. ALL UTILITIES (LOCATION AND ELEVATION) DEPICTED SHALL BE CONSIDERED APPROXIMATE ONLY. BEFORE COMMENCING SITE WORK IN ANY AREA, CONTACT "DIG SAFE" AT 1-888-DIG-SAFE (1-888-344-7233) TO ACCURATELY LOCATE UNDERGROUND UTILITIES. ANY DAMAGE TO EXISTING UTILITIES OR STRUCTURES AND THE COST TO REPAIR THE DAMAGES TO INITIAL CONDITIONS, AS DEPICTED ON THE PLANS, SHALL BE THE CONTRACTOR'S RESPONSIBILITY.

12. NO EXCAVATION SHALL BE DONE UNTIL UTILITY COMPANIES ARE PROPERLY NOTIFIED IN ADVANCE. NOTE THAT NOT ALL EXISTING UNDERGROUND UTILITIES ARE SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT ALL RESPECTIVE UTILITY COMPANIES TO VERIFY AND LOCATE EXISTING UTILITIES.

LAYOUT NOTES

1. ALL LINES ARE PERPENDICULAR OR PARALLEL TO THE LINES FROM WHICH THEY ARE MEASURED UNLESS OTHERWISE INDICATED.

1. ACCESSIBLE RAMPS SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE WITH THE AMERICANS WITH DISABILITIES ACT (ADA) ACCESSIBILITY STANDARDS.

2. PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL PERFORM BENCHMARK FIELD LEVEL VERIFICATION AND COORDINATE LAYOUT CHECK. THE CONTRACTOR SHALL CONTACT PARE CORPORATION IF ANY DISCREPANCIES ARE FOUND.

3. DIMENSIONS OF PARKING SPACES AND DRIVEWAYS ARE FROM FACE OF CURB TO FACE OF CURB. DIMENSIONS FROM BUILDING ARE FROM FACE OF BUILDING TO FACE OF CURB.

4. ALIGN WALKWAYS ON DOORWAYS THEY SERVE TO PROVIDE MINIMUM REQUIRED MANEUVERING CLEARANCE IN ACCORDANCE WITH THE AMERICAN WITH DISABILITIES ACT (ADA) ACCESSIBILITY GUIDELINES.

DEMOLITION NOTES

1. THE CONTRACTOR SHALL COORDINATE ALL DEMOLITION OF STRUCTURES, PAVEMENT AND CONCRETE MATERIALS, AND UTILITIES WITH APPROPRIATE PROPOSED SITE GENERAL, GRADING, UTILITY, AND LANDSCAPING DRAWINGS.

2. ALL NOTED UTILITIES TO BE REMOVED AND DISPOSED OF, RELOCATED OR CAPPED REPRESENT ALL KNOWN SITE CONDITIONS TO BE DEMOLISHED. THE CONTRACTOR SHALL COORDINATE ALL UNFORESEEN CONDITIONS WITH THE PROJECT ENGINEER, OWNER AND/OR RESPECTIVE UTILITY COMPANIES PRIOR TO PROCEEDING WITH WORK.

3. WATER, SEWER, DRAINAGE, GAS, AND OTHER SITE UTILITIES SERVICING THE EXISTING FACILITIES ARE TO REMAIN ACTIVE THROUGHOUT CONSTRUCTION. THERE SHALL BE NO INTERRUPTION OF UTILITY SERVICES DURING THE CONSTRUCTION OPERATION WITHOUT APPROVAL FROM THE OWNER.

GRADING AND UTILITY NOTES

1. UNDERGROUND UTILITIES DEPICTED WERE COMPILED FROM AVAILABLE RECORD PLANS AND SHALL BE CONSIDERED APPROXIMATE ONLY. BEFORE COMMENCING SITE WORK IN ANY AREA, CONTACT "DIG SAFE" AT 1-888-DIG-SAFE (1-888-344-7233) TO ACCURATELY LOCATE UNDERGROUND UTILITIES. ANY DAMAGE TO EXISTING UTILITIES OR STRUCTURES DEPICTED OR NOT DEPICTED ON THE PLANS SHALL BE THE CONTRACTOR'S RESPONSIBILITY. COSTS TO REPAIR SUCH DAMAGES SHALL BE THE CONTRACTOR'S RESPONSIBILITY. NO EXCAVATION SHALL BE DONE UNTIL UTILITY COMPANIES ARE PROPERLY NOTIFIED.

2. ALL WORK PERFORMED AND ALL MATERIALS FURNISHED SHALL CONFORM WITH THE LINES AND GRADES ON THE PLANS AND SITE WORK SPECIFICATIONS.

3. AT ALL LOCATIONS WHERE EXISTING CURBING OR PAVEMENT ABUT NEW CONSTRUCTION, THE EDGE OF THE EXISTING CURB OR PAVEMENT SHALL BE SAWCUT TO A CLEAN, SMOOTH EDGE. BLEND NEW PAVEMENT AND CURBS SMOOTHLY INTO EXISTING BY MATCHING LINES, GRADES AND JOINTS.

4. ALL UTILITY COVERS, GRATES, ETC. SHALL BE ADJUSTED TO BE FLUSH WITH THE SURROUNDING SURFACE OR PAVEMENT FINISH GRADE. RIM ELEVATIONS OF STRUCTURES AND MANHOLES ARE APPROXIMATE. FINAL ELEVATIONS ARE TO BE SET FLUSH AND CONSISTENT WITH THE GRADING PLANS.

5. THE CONTRACTOR SHALL MAKE ALL ARRANGEMENTS FOR THE ALTERATION OF PRIVATE UTILITIES BY THE UTILITY COMPANIES, AS REQUIRED.

6. WHERE AN EXISTING UTILITY IS FOUND TO CONFLICT WITH THE PROPOSED WORK, THE LOCATION, ELEVATION AND SIZE OF THE UTILITY SHALL BE ACCURATELY DETERMINED WITHOUT DELAY BY THE CONTRACTOR AND THE INFORMATION SHALL BE PROVIDED ON A SKETCH TO SCALE OF THE EXISTING UTILITY WITH TIES TO KNOWN POINTS, PHOTOS AND FURNISHED TO THE ENGINEER FOR RESOLUTION.

7. THE CONTRACTOR SHALL PROTECT ALL UNDERGROUND DRAINAGE, SEWER AND UTILITY FACILITIES FROM EXCESSIVE VEHICULAR LOADS DURING CONSTRUCTION. ANY DAMAGE TO THESE FACILITIES RESULTING FROM CONSTRUCTION LOADS SHALL BE RESTORED TO ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE OWNER.

8. GAS, ELECTRIC, AND COMMUNICATIONS ROUTING ARE SUBJECT TO REVIEW AND APPROVAL BY APPROPRIATE UTILITY COMPANIES.

9. DURING CONSTRUCTION OPERATIONS, THE CONTRACTOR SHALL PROTECT EXISTING UTILITIES BY PROVIDING TEMPORARY SUPPORTS OR SHEETING AS REQUIRED AT NO ADDITIONAL COST TO THE OWNER.

10. ALL GRAVITY SANITARY PIPING SHALL BE SDR-35 PVC. ALL SEWER CONSTRUCTION SHALL CONFORM TO THE CITY OF WOONSOCKET SEWER POLICY.

11. ALL WATER LINE BENDS AND TEES SHALL BE REINFORCED WITH THRUST BLOCKS. ALL WATER DISTRIBUTION PIPING AND FITTINGS MUST ADHERE TO THE WOONSOCKET WATER DIVISION JURISDICTION SPECIFICATIONS AND SHALL BE INSPECTED BEFORE, DURING, AND AFTER CONSTRUCTION PRIOR TO TAPPING THE SERVICE MAIN. THE CONTRACTOR SHALL COORDINATE AND CONFIRM ALL WATER DISTRIBUTION MATERIAL PRODUCTS WITH THE WOONSOCKET WATER DIVISION JURISDICTION PRIOR TO ORDERING OR PURCHASING PRODUCTS.

12. EXCAVATION REQUIRED WITHIN THE PROXIMITY OF EXISTING UTILITY LINES SHALL BE DONE BY HAND. CONTRACTOR SHALL REPAIR ANY DAMAGE TO EXISTING UTILITY LINES OR STRUCTURES INCURRED DURING CONSTRUCTION OPERATIONS AT NO ADDITIONAL COST TO THE OWNER.

13. PITCH EVENLY BETWEEN SPOT GRADES. ALL PAVED AREAS MUST PITCH TO DRAIN AT A MIN. OF 1/8" PER FOOT UNLESS SPECIFIED OTHERWISE.

14. THE PROPOSED WALKWAYS SHALL HAVE A MAXIMUM CROSS SLOPE OF 2% AND A MAXIMUM RUNNING SLOPE OF 5% AS SHOWN ON CONSTRUCTION DETAILS AND GRADING PLAN.

EROSION AND SEDIMENTATION CONTROL NOTES - RHODE ISLAND

1. THE CONTRACTOR AND RELEVANT SUBCONTRACTORS SHALL READ AND UNDERSTAND THE RIPDES GENERAL PERMIT FOR STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY (GENERAL PERMIT) AND THE SITE SPECIFIC SOIL EROSION AND SEDIMENT CONTROL PLAN (SESC) PREPARED FOR THE PROJECT. ALL EROSION CONTROLS SHALL BE IN ACCORDANCE WITH THE RHODE ISLAND SOIL EROSION AND SEDIMENT CONTROL HANDBOOK, LATEST REVISION.

2. THE CONTRACTOR SHALL BECOME FAMILIAR WITH THE CONDITIONS ISSUED FOR THE PROJECT BY RIDEM AND BE RESPONSIBLE FOR CONFORMANCE WITH ALL PERMIT REQUIREMENTS AND CONSTRUCTION DOCUMENTS.

3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING OR INSTALLING ALL TEMPORARY SEDIMENT AND EROSION CONTROLS AS SHOWN ON THESE PLANS AND SHALL MAINTAIN ALL EROSION CONTROL MEASURES AS NECESSARY DURING THE ENTIRE CONSTRUCTION PERIOD.

4. ANTI-TRACKING PADS (R.I. STD. DETAIL 9.9.0) SHALL BE PROVIDED AT ALL POINTS OF VEHICULAR INGRESS AND EGRESS ON THE CONSTRUCTION SITE AND SHALL BE MAINTAINED TO LIMIT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC ROADS.

5. EROSION CONTROL BARRIERS SHALL BE INSTALLED AS SHOWN ON THE EROSION CONTROL PLAN PRIOR TO COMMENCEMENT OF CONSTRUCTION OPERATIONS.

6. SOIL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSPECTED AND MAINTAINED ON A WEEKLY BASIS AND AFTER EACH STORM EVENT OF 0.25 INCH OR GREATER DURING CONSTRUCTION TO ENSURE THAT CHANNELS, DITCHES AND PIPES ARE CLEAR OF DEBRIS AND THAT THE EROSION CONTROL BARRIERS ARE INTACT. IDENTIFIED DEFICIENCIES SHALL BE CORRECTED IMMEDIATELY.

7. DUST SHALL BE CONTROLLED BY WATERING OR OTHER APPROVED METHODS AS NECESSARY, OR AS DIRECTED BY THE OWNER OR OWNER'S REPRESENTATIVE.

8. THE CONTRACTOR SHALL CLEAN AND MAINTAIN EROSION CONTROL BARRIER WHEN SEDIMENT ACCUMULATES TO ONE HALF THE HEIGHT OF THE BARRIER. MATERIAL COLLECTED FROM THE SEDIMENTATION BARRIERS SHALL BE REMOVED AS NECESSARY AND DISPOSED IN AN UPLAND AREA.

9. THE CONTRACTOR SHALL SCHEDULE HIS WORK TO ALLOW THE FINISHED SUBGRADE ELEVATIONS TO DRAIN PROPERLY WITHOUT PONDING. SPECIFICALLY, ALLOW WATER TO ESCAPE WHERE PROPOSED CURB MAY RETAIN RUNOFF PRIOR TO APPLICATION OF SURFACE PAVING. PROVIDE TEMPORARY POSITIVE DRAINAGE, AS REQUIRED, TO STABILIZED DISCHARGE POINTS.

10. INSTALLATION OF THE EROSION CONTROL BARRIERS AS ILLUSTRATED IS INTENDED TO REPRESENT THE MINIMUM SEDIMENTATION CONTROL FACILITIES NECESSARY TO MEET ANTICIPATED SITE CONDITIONS. ADDITIONAL EROSION CONTROL MEASURES SHALL BE IMPLEMENTED AS CONDITIONS WARRANT OR AS DIRECTED BY THE OWNER OR OWNER'S REPRESENTATIVE.

11. REQUIRED SEDIMENTATION CONTROL FACILITIES MUST BE PROPERLY ESTABLISHED, CLEARLY VISIBLE AND IN OPERATION PRIOR TO INITIATING ANY LAND CLEARING ACTIVITY AND/OR OTHER CONSTRUCTION RELATED WORK. SUCH FACILITIES SHALL REPRESENT THE LIMIT OF WORK. WORKERS SHALL BE INFORMED THAT NO CONSTRUCTION ACTIVITY IS TO OCCUR BEYOND THE LIMIT OF WORK AT ANY TIME THROUGHOUT THE CONSTRUCTION PERIOD.

12. THE CONTRACTOR SHALL MAINTAIN A SUFFICIENT RESERVE OF VARIOUS EROSION CONTROL MATERIALS ONSITE AT ALL TIMES FOR EMERGENCY PURPOSES OR ROUTINE MAINTENANCE.

13. EXISTING AND NEWLY INSTALLED CATCH BASINS AND STORM DRAIN INLETS SHALL BE PROTECTED WITH APPROPRIATE TEMPORARY INLET PROTECTION IN ACCORDANCE WITH THE RHODE ISLAND SOIL EROSION AND SEDIMENT CONTROL HANDBOOK.

14. DEWATERING WASTE WATERS PUMPED FROM EXCAVATIONS SHALL BE CONVEYED BY HOSE TO AN UPLAND AREA AND DISCHARGED INTO STRAW BALE CORRALS OR SEDIMENTATION BAGS.

15. THE CONTRACTOR SHALL NOT REMOVE ANY TEMPORARY SEDIMENT CONTROL BARRIERS UNTIL THE CONTRIBUTING DRAINAGE AREA HAS BEEN PERMANENTLY STABILIZED.

16. CONSTRUCTION SITE WASTE MATERIALS SHALL BE PROPERLY CONTAINED ONSITE AND DISPOSED OFF SITE AT A LOCATION IN ACCORDANCE WITH THE LOCAL AND STATE REGULATIONS.

17. RIP-RAP OR OTHER ENERGY DISSIPATERS SHALL BE USED WHERE NECESSARY TO PREVENT SCOUR.

18. ALL DISTURBED AREAS SHALL BE STABILIZED WITHIN 14 DAYS UPON COMPLETION OF WORK IN THAT AREA.

19. ALL DRAINAGE STRUCTURES SHALL BE CLEARED OF ACCUMULATED SEDIMENT PRIOR TO ACCEPTANCE OF FINAL PROJECT.

20. NEWLY VEGETATED AREAS SHALL BE MAINTAINED REGULARLY TO ENSURE STABLE VEGETATED SURFACES.

21. EROSION AND SEDIMENTATION CONTROLS SHALL BE UTILIZED AS SHOWN ON THE PLANS. POTENTIAL EROSION AND SEDIMENTATION PROBLEMS ASSOCIATED WITH THE CONSTRUCTION OF THE PROJECT SHALL BE AVOIDED THROUGH THE PROJECT SCHEDULING AND THE USE OF APPROPRIATE STANDARD CONTROLS (RHODE ISLAND SOIL EROSION AND SEDIMENTATION CONTROL HANDBOOK) AS ILLUSTRATED ON THE PROJECT PLANS.

22. WHERE EROSION CONTROLS ARE NEEDED ON IMPERVIOUS SURFACES, THE CONTRACTOR SHALL PROVIDE SAND BAG EROSION CONTROL BARRIER.

23. TEMPORARY DIVERSION (TD) MAY CONSIST OF A DITCH OR SWALE, OR MAY BE ACHIEVED USING WOOD CHIPS, COIR LOGS, OR SIMILAR MATERIALS.

24. TEMPORARY SEDIMENT TRAPS (TST) AND TEMPORARY SWALES (TSW) SHALL BE SIZED BY THE CONTRACTOR USING THE PARAMETERS CONTAINED IN THE RHODE ISLAND SOIL EROSION AND SEDIMENT CONTROL HANDBOOK.

STORMWATER MANAGEMENT SYSTEM INSPECTION AND MAINTENANCE NOTES

DURING CONSTRUCTION (CONTRACTOR'S RESPONSIBILITY)

1. THE CONTRACTOR SHALL REMOVE SEDIMENT AND DEBRIS FROM ALL CATCH BASINS, MANHOLES, AND THE DRAINAGE SYSTEM ON A ROUTINE BASIS, IMMEDIATELY FOLLOWING SITE STABILIZATION, AND PRIOR TO PROJECT COMPLETION AND ACCEPTANCE. DRAINAGE STRUCTURES APART OF THE STATE DRAINAGE SYSTEM SHALL BE CLEANED AND INSPECTED PER SECTION 4.15(C) OF THE PAPA MANUAL AND SECTION 710.03.02 (1) OF THE RIDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

2. THE CLOSED DRAINAGE SYSTEM AND ASSOCIATED STRUCTURES SHALL BE CLEANED AND FLUSHED BY THE CONTRACTOR AT THE COMPLETION OF CONSTRUCTION, AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSPECTION AND MAINTENANCE OF THE DRAINAGE SYSTEM UNTIL ACCEPTANCE OF THE SYSTEM BY THE ENGINEER AND THE CITY OF WOONSOCKET. FOLLOWING ACCEPTANCE OF THE PROPOSED DRAINAGE SYSTEM, THE OWNER OF THE SITE SHALL BE RESPONSIBLE FOR THE LONG-TERM INSPECTION AND MAINTENANCE OF THE DRAINAGE SYSTEM.

3. ANY ACCUMULATION OF PONDING WATER IN AREAS WITHIN THE LIMITS OF DISTURBANCE, OTHER THAN DESIGNATED AREAS, SHALL BE REMOVED ACCORDINGLY AND PREVENTED IN THE FUTURE.

POST CONSTRUCTION (OWNER'S RESPONSIBILITY)

1. TRASH, LITTER, SEDIMENT AND OTHER DEBRIS SHALL BE REMOVED FROM ANY STORMWATER MANAGEMENT SYSTEM FACILITY (INCLUDING BUT NOT LIMITED TO CATCH BASINS, MANHOLES, INLET, OUTLET AND DIVERSION STRUCTURES, AND STORMWATER BEST MANAGEMENT PRACTICES (BMPs)) A MINIMUM OF TWO TIMES PER YEAR , PREFERABLY IN THE SPRING AND FALL.

2. THE PARKING LOT AND ENTRY DRIVE SHALL BE SWEPT BY THE OWNER AS EARLY AS POSSIBLE EVERY SPRING AND ONCE IN THE FALL TO REMOVE SEDIMENTS.

3. ALL CLEANING AND MAINTENANCE OF STORMWATER MANAGEMENT SYSTEMS POST-CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE OWNER.

STATE RIGHT-OF-WAY NOTES

1. ALL WORK TO BE PERFORMED WITHIN THE STATE RIGHT-OF-WAY (ROW) SHALL CONFORM TO THE RIDOT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ISSUED AUGUST 2023, WITH ALL REVISIONS AND ADDENDA. STANDARD DETAILS FOR THIS WORK ARE RIDOT STANDARD DETAILS 2022 EDITION WITH ALL REVISIONS.

2. THE CONTRACTOR SHALL APPLY FOR AND OBTAIN A UTILITY PERMIT FROM THE RIDOT FOR UTILITY WORK WITHIN THE STATE'S ROW AND MAKE ALL NECESSARY CONSTRUCTION NOTIFICATIONS, PAY ALL FEES AND POST ALL BONDS ASSOCIATED WITH THE SAME, AND COORDINATE WITH THE ENGINEER AND OWNER'S REPRESENTATIVE AS REQUIRED.

3. THE CONTRACTOR SHALL PREPARE A TRANSPORTATION MANAGEMENT PLAN INCLUDING A TEMPORARY TRAFFIC CONTROL PLAN AS REQUIRED FOR THE RIDOT UTILITY PERMIT APPLICATION AT NO ADDITIONAL EXPENSE TO THE OWNER.

4. THE CONTRACTOR SHALL PROVIDE AN AS-BUILT DRAWING FOR THE WORK PERFORMED ON THE STATE DRAINAGE SYSTEM. THE AS-BUILT SHALL INCLUDE INVERT ELEVATIONS, PIPE MATERIALS, AND PIPE SIZES FOR THE STATE'S DRAINAGE SYSTEM ALTERATIONS AND CONNECTIONS TO THE STATE'S DRAINAGE SYSTEM.

5. ALL TRAFFIC CONTROL AND TEMPORARY TRAFFIC CONTROLS SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), 2009 EDITION, INCLUDING ALL REVISIONS.

SEDIMENT FOREBAY INSPECTION, MAINTENANCE, AND REPAIR NOTES

FOLLOWING CONSTRUCTION, THE COMPLETION OF THE INSPECTION AND MAINTENANCE REQUIREMENTS BELOW SHALL BE THE RESPONSIBILITY OF THE OWNER.

1. SEDIMENT FOREBAY SHALL BE INSPECTED A MINIMUM OF TWO TIMES PER YEAR AND AFTER EVERY STORM OF 2.7" INCH OR GREATER FOR TRASH, DEBRIS, SEDIMENT, EROSION, STANDING WATER, AND OVERALL PERFORMANCE. DEFECTS SHALL BE REPAIRED BY THE OWNER.

2. SEDIMENT FOREBAYS SHALL BE CLEANED IF SEDIMENT REACHES HALF THE DESIGN DEPTH.

3. SEDIMENT FOREBAY CHECK DAMS SHALL BE REPLACED IF DRAWDOWN TIMES WITHIN THE SEDIMENT FOREBAY EXCEED 48 HOURS FOLLOWING THE STORM EVENT.

4. ALL SEDIMENTS REMOVED SHALL BE DISPOSED OF AT AN APPROVED AND PERMITTED LOCATION.

5. VEGETATION SHALL NOT EXCEED 18" IN HEIGHT IN THE SEDIMENT FOREBAYS.

BIORETENTION AREA INSPECTION, MAINTENANCE, AND REPAIR NOTES

1. FOLLOWING FIRST 6 MONTHS AFTER CONSTRUCTION
   - INSPECT BIORETENTION AREA AFTER FIRST TWO RAINFALL EVENTS OF 1" OR MORE.

2. FOLLOWING STORM EVENTS WITH RAINFALL EXCEEDING 2.7"
   - INSPECT BIORETENTION AREA FOR TRASH, DEBRIS, SEDIMENT, EROSION, STANDING WATER, AND OVERALL PERFORMANCE. DEFECTS SHALL BE REPAIRED BY OWNER.

3. BI-ANNUALLY
   - INSPECT BIORETENTION AREA A MINIMUM OF TWO TIMES PER YEAR, PREFERABLY IN APRIL AND OCTOBER. SEDIMENT SHALL BE REMOVED FROM BIORETENTION AREA IF THE SEDIMENT EXCEEDS 1".
   - MOW SIDE SLOPES OF BIORETENTION AREA A MINIMUM OF TWO TIMES PER YEAR. BIORETENTION PLANTINGS SHALL BE TRIMMED WHEN PLANTS EXCEED 18 INCHES.

4. QUARTERLY
   - INSPECT BIORETENTION AREA OUTLET CONTROL STRUCTURE AND ALL OVERFLOW CHANNELS. THE OWNER SHALL STABILIZE ERODED BANKS AND REPAIR ERODED AREAS AT INFLOW AND OUTFLOW STRUCTURES AS NECESSARY.

5. IF SEDIMENT BUILD-UP HAS LIMITED THE FILTERING CAPABILITIES TO BELOW THE DESIGN RATE OR PONDING HAS EXCEEDED 48 HOURS THE FOLLOWING SHALL BE COMPLETED:
   - THE TOP 6" OF SOIL SHALL BE REMOVED AND DISPOSED AT A PERMITTED LOCATION.
   - THE EXPOSED SURFACE SHALL BE SCARIFIED.
   - THE TOP 6" SHALL BE RESTORED TO THE ORIGINAL DESIGN SPECIFICATIONS WITH A SANDY LOAM TOPSOIL.

6. TRASH AND DEBRIS SHALL BE REMOVED FROM BIORETENTION AREA AS NECESSARY.

UNDERGROUND INFILTRATION/DETENTION SYSTEM BASIN INSPECTION, MAINTENANCE, AND REPAIR NOTES

FOLLOWING CONSTRUCTION, THE COMPLETION OF THE INSPECTION AND MAINTENANCE REQUIREMENTS BELOW SHALL BE THE RESPONSIBILITY OF THE OWNER.

1. THE SYSTEM SHALL BE MAINTAINED AS RECOMMENDED BY THE MANUFACTURER.

2. FOLLOWING STORM EVENTS WITH RAINFALL EXCEEDING 2.7"
   - INSPECT INFILTRATION/DETENTION SYSTEM FOR TRASH, DEBRIS, SEDIMENT, EROSION, STANDING WATER, AND OVERALL PERFORMANCE. DEFECTS SHALL BE REPAIRED BY THE OWNER.

3. BI-ANNUALLY
   - INSPECTIONS SHALL BE PERFORMED A MINIMUM OF TWO TIMES PER YEAR ON THE INSPECTION PORTS AND DRAINAGE STRUCTURES OF THE UNDERGROUND INFILTRATION/DETENTION SYSTEM TO ENSURE PROPER OPERATION OF THE SYSTEM.

4. JETVAC MAINTENANCE IS RECOMMENDED IF SEDIMENT HAS BEEN COLLECTED TO A DEPTH OF 3" IN THE PRETREATMENT ROW. MORE FREQUENT MAINTENANCE MAY BE REQUIRED TO MAINTAIN MINIMUM FLOW RATES THROUGH THE PRETREATMENT ROW. THE JETVAC PROCESS SHALL ONLY BE PERFORMED ON THE PRETREATMENT ROW.

QUALIFYING PERVIOUS AREA INSPECTION, MAINTENANCE, AND REPAIR NOTES

FOLLOWING CONSTRUCTION, THE COMPLETION OF THE INSPECTION AND MAINTENANCE REQUIREMENTS BELOW SHALL BE THE RESPONSIBILITY OF THE OWNER.

1. THE QUALIFYING PERVIOUS AREAS (QPA'S) MUST BE INSPECTED A MINIMUM OF TWO TIMES PER YEAR FOR SEDIMENT, PONDING, EROSION, AND VEGETATION.

2. REMOVE ACCUMULATED SEDIMENT FROM THE QPA'S IF SEDIMENT EXCEEDS 1".

3. OWNER SHALL REPAIR ANY SLOPES THAT HAVE BEEN DAMAGED DUE TO EROSION OR OTHER MEANS. OWNER SHALL REPLACE ANY VEGETATION THAT HAS DIED OR BEEN DAMAGED.

4. OWNER SHALL MOW GRASS WITHIN THE QPA A MINIMUM OF TWO TIMES ANNUALLY TO MAINTAIN A MINIMUM GRASS HEIGHT OF 6".

5. TRASH AND DEBRIS SHALL BE REMOVED FROM THE QPA'S AS NECESSARY.

SYNTHETIC TURF FIELD MANIFOLD SYSTEM INSPECTION, MAINTENANCE, AND REPAIR NOTES

1. THE SYSTEM SHALL BE MAINTAINED AS RECOMMENDED BY THE MANUFACTURER.

2. FOLLOWING STORM EVENTS WITH RAINFALL EXCEEDING 2.7".
   - INSPECT SYSTEM FOR PONDING AND ANY EVIDENCE OF RESTRICTED INFILTRATION CAPACITY.

CATCH BASINS WITH SUMPS INSPECTION, MAINTENANCE, AND REPAIR NOTES

1. INSPECTIONS SHALL BE PERFORMED A MINIMUM OF TWO TIMES PER YEAR (SPRING/FALL). UNITS SHALL BE CLEANED ANNUALLY AND WHENEVER THE DEPTH OF SEDIMENT IS GREATER THAN OR EQUAL TO HALF THE SUMP DEPTH.

2. THE INLET GRATE SHALL NOT BE WELDED TO THE FRAME OR PAVED OVER SO THAT THE SUMP CAN BE EASILY INSPECTED AND MAINTAINED.

3. CARE SHALL BE TAKEN TO AVOID DAMAGING AND DISPLACING HOODS PLACED ON HOODED OUTLETS DURING CLEANING.

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
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Martin D. Lamoak

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SCALE ADJUSTMENT GUIDE
0" 1"
BAR IS ONE INCH ON ORIGINAL DRAWING

CASS PARK ATHLETIC FACILITY
344 CUMBERLAND HILL ROAD
WOONSOCKET, RHODE ISLAND

RI Environmental Management
AUG 2 9 2024

JOSEPH WEED
No. 11763
8/28/25
REGISTERED PROFESSIONAL ENGINEER (CIVIL)

REVISIONS:

1	08/28/2024	RIDEM RTC

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CHECKED BY:	JLW
DRAWN BY:	AKL
APPROVED BY:	JLW

DRAWING TITLE: NOTES

DRAWING NO.: C0.1

SHEET NO. 1 OF 36

Z:\JOBS\21 Jobs\21015.02 Woonsocket - Cass Park Athletic Facilities-RI\DWGS\C0.1-C0.2 NOTES & LEGEND.dwg

ABBREVIATIONS

GENERAL

AADT	ANNUAL AVERAGE DAILY TRAFFIC
ABAN	ABANDON
ADA	AMERICANS WITH DISABILITIES ACT
ADJ	ADJUST
APPROX	APPROXIMATE
AC	ASPHALT CONCRETE
ACCM PIPE	ASPHALT COATED CORRUGATED METAL PIPE
ASSF	AREA SUBJECT TO STORM FLOWAGE
ATD	ASPHALT TURNDOWN
ATG	ADJUST TO GRADE
BB	BITUMINOUS BERM
BC	BOTTOM OF CURB (FINISHED GRADE ON LOW SIDE OF CURB)
BD	BOUND
BIT	BITUMINOUS
BL	BASELINE
BLDG	BUILDING
BM	BENCHMARK
BMP	BEST MANAGEMENT PRACTICE
BO	BY OTHERS
BOL	BOLLARD
BOS	BOTTOM OF SLOPE
BOT	BOTTOM
BPM	BLACKOUT PAVEMENT MARKING
BR	BRIDGE
BS	BOTTOM OF STAIR (FINISHED GRADE AT BOTTOM STAIR)
BW	BOTTOM OF WALL (FINISHED GRADE ON LOW SIDE OF WALL)
BWL	BROKEN WHITE LINE
BYL	BROKEN YELLOW LINE
C=	CURVE LENGTH
CB	CATCH BASIN
CBCI	CATCH BASIN WITH CURB INLET
CC	CEMENT CONCRETE
CCM	CEMENT CONCRETE MASONRY
CCW	CEMENT CONCRETE WALK
CD	CHECK DAM
CE	CONSTRUCTION ENTRANCE
CEM	CEMENT
CFS	COMPOST FILTER SOCK
CG	CLEAR AND GRUB VEGETATION
CH	CHORD LENGTH
CI	CURB INLET
CIP	CAST IRON PIPE
CJ	CONSTRUCTION JOINT
CL	CENTERLINE
CLDI	CEMENT-LINED DUCTILE IRON
CLF	CHAIN LINK FENCE
CLSM	CONTROLLED LOW STRENGTH MATERIAL
CLR	CLEAR
CLS	CLASS
CM	SAWCUT AND MATCH
CMP	CORRUGATED METAL PIPE
CO	CLEANOUT
CONC	CONCRETE
CONT	CONTINUOUS
CONST	CONSTRUCTION
CP	CONCRETE PAD
CR GR	CROWN GRADE
CSP	CORRUGATED STEEL PIPE
CSTR	CONCRETE STAIRS
CTE	CONNECT TO EXISTING
CW	CROSSWALK
DEMO	DEMOLITION
DET	DETECTABLE
DHV	DESIGN HOURLY VOLUME
DI	DROP INLET
DIA	DIAMETER
DIP	DUCTILE IRON PIPE
DIV	DIVERSION
DMH	DRAIN MANHOLE
DTP	DRIPLINE TREE PROTECTION
DWL	DOTTED WHITE LINE
DWLEx	DOTTED WHITE LINE EXTENSION
DBWL	DOUBLE WHITE LINE
DWP	DETECTABLE WARNING PAVER
DYL	DOTTED YELLOW LINE
DYLEx	DOTTED YELLOW LINE EXTENSION
DBYL	DOUBLE YELLOW LINE
DW	STEADY DON'T WALK - PORTLAND ORANGE
DWY	DRIVEWAY
EJ	EXPANSION JOINT
ELEV (or EL)	ELEVATION
EMB	EMBANKMENT
EMH	ELECTRIC MANHOLE
EOP	EDGE OF PAVEMENT
ETR	EXISTING TO REMAIN. PROTECT DURING CONSTRUCTION.

EXIST (or EX)	EXISTING
EXC	EXCAVATION
F&C	FRAME AND COVER
F&G	FRAME AND GRATE
FDC	FIRE DEPARTMENT CONNECTION
FDN	FOUNDATION
FES	FLARED END SECTION
FFE	FINISH FLOOR ELEVATION
FLDSTN	FIELDSTONE
FND	FOUND
FT	FOOT
GAR	GARAGE
GD	GROUND
GG	GAS GATE
GI	GUTTER INLET
GIP	GALVANIZED IRON PIPE
GRAN	GRANITE
GRAV	GRAVEL
GRD	GUARD
GTD	GRADE TO DRAIN
GV	GATE VALVE
HCPS	HANDICAP ACCESSIBLE PARKING SIGN
HDBC	HEAVY DUTY BITUMINOUS CONCRETE
HDPE	HIGH DENSITY POLYETHYLENE PIPE
HDPS	HANDICAP ACCESSIBLE PARKING SIGN
HDW	HEADWALL
HMA	HOT MIX ASPHALT
HMAW	HOT MIXED ASPHALT WALKWAY
HOR	HORIZONTAL
HPR	HEADWALL PROTECTION RACK
HYD	HYDRANT
ID	INSIDE DIAMETER
INV	INVERT
JCT	JUNCTION
L=	LENGTH OF CURVE
LB	LEACH BASIN
LOD	LIMIT OF DISTURBANCE
LP	LOW POINT
LPR	LICENSE PLATE READER
LS	LOAM AND SEED
LSOD	LOAM AND SOD
LT	LEFT
LTP	LIGHT POLE
MAX	MAXIMUM
MB	MAILBOX
MCW	MONOLITHIC CONCRETE WALK
MH	MANHOLE
MIN	MINIMUM
MON	MONITORING
MUTCD	MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION
NIC	NOT IN CONTRACT (WORK TO BE COMPLETED BY OTHERS)
NO	NUMBER
NTS	NOT TO SCALE
OCS	OUTLET CONTROL STRUCTURE
OD	OUTSIDE DIAMETER
OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
OWS	OIL WATER SEPARATOR
PC	POINT OF CURVATURE
PCC	POINT OF COMPOUND CURVATURE
PCFES	PRECAST CONCRETE FLARED END SECTION
PCTC	PRECAST CONCRETE TRANSITION CURB
PCR	PEDESTRIAN CURB RAMP
PE	POLYETHYLENE
PERF	PERFORATED
PGL	PROFILE GRADE LINE
PHMA	POROUS HOT MIXED ASPHALT PAVEMENT
PI	POINT OF INTERSECTION
PIV	POST INDICATOR VALVE
POC	POINT ON CURVE
POT	POINT ON TANGENT
PM	PAVEMENT MARKING
PRC	POINT OF REVERSE CURVATURE
PROJ	PROJECT
PROP	PROPOSED
PSB	PLANTABLE SOIL BORROW
PT	POINT OF TANGENCY
PVC	POINT OF VERTICAL CURVATURE
PVCH	POLYVINYL CHLORIDE
PVI	POINT OF VERTICAL INTERSECTION
PVT	POINT OF VERTICAL TANGENCY
PVMT	PAVEMENT
PWW	PAVED WATER WAY
QPA	QUALIFYING PERVIOUS AREA
R&D	REMOVE AND DISPOSE
R&R	REMOVE AND RESET
R&S	REMOVE AND STACK
R=	RADIUS
RA	RAILING

RCP	REINFORCED CONCRETE PIPE
RDWY	ROADWAY
REM	REMOVE
RET	RETAIN
RET WALL	RETAINING WALL
RRLS	RIPRAP LEVEL SPREADER
ROW	RIGHT OF WAY
RR	RAILROAD
RRS	RIPRAP SLOPE
RS	RIPRAP SPILLWAY
RT	RIGHT
RTAD	REFER TO ARCHITECTURAL DRAWINGS
RTED	REFER TO ELECTRICAL DRAWINGS
RTFPD	REFER TO FIRE PROTECTION DRAWINGS
RTLD	REFER TO LANDSCAPE DRAWINGS
RTMD	REFER TO MECHANICAL DRAWINGS
RTPD	REFER TO PLUMBING DRAWINGS
RTSD	REFER TO STRUCTURAL DRAWINGS
S=	SLOPE
SB	SAND BAG EROSION CONTROL BARRIER
SDR	STANDARD DIMENSIONAL RATIO
SED	SEDIMENT
SESC	SOIL EROSION AND SEDIMENT CONTROL
SFL	STATE FREEWAY LINE
SFCD	SEDIMENT FOREBAY CHECK DAM
SG	SWING GATE
SHL	STATE HIGHWAY LINE
SHLD	SHOULDER
SHLO	STATE HIGHWAY LAYOUT
SHP	HANDICAP PARKING PAVEMENT MARKING
SM	SEDIMENT MARKER
SMH	SEWER MANHOLE
SSD	STOPPING SIGHT DISTANCE
ST	STREET
STA	STATION
SW	SIDEWALK
SWL	SINGLE SOLID WHITE LINE
SWR	SEWER
SYL	SINGLE SOLID YELLOW LINE
T=	TANGENT DISTANCE OF CURVE/TRUCK %
TAN	TANGENT
TD	TEMPORARY DIVERSION
TEMP	TEMPORARY
TC	TOP OF CURB
TDS	TEMPORARY DIVERSION SWALE
TGP	TREE GROUP PROTECTION
TIP	TEMPORARY INLET PROTECTION
TMH	TELEPHONE MANHOLE
TOS	TOP OF SLOPE
TP	TEST PIT
TRAN	TRANSITION
TRM	TURF REINFORCEMENT MAT
TS	TOP OF STAIR (FINISHED GRADE OF TOP STAIR)
TST	TEMPORARY SEDIMENT TRAP
TSW	TEMPORARY SWALE
TW	TOP OF WALL
TYP	TYPICAL
UP	UTILITY POLE
VAR	VARIES
VERT	VERTICAL
VC	VERTICAL CURVE
VCC	VERTICAL CONCRETE CURB
VCP	VEHICULAR CONCRETE PAVEMENT
VFC	VITRIFIED CLAY
VEG	VEGETATION
VEH	VEHICULAR
VFS	VEGETATED FILTER STRIP
VGC	VERTICAL GRANITE CURB
VGTC	VERTICAL GRANITE TRANSITION CURB
VLF	VINYL FENCE
w/	WITH
WG	WATER GATE
WIP	WROUGHT IRON PIPE
WM	WATER METER/WATER MAIN
WMH	WATER MANHOLE
WPM	WATER PAINT MARK
X-SECT	CROSS SECTION
YD	YARD DRAIN
4DY	4" DOUBLE YELLOW EPOXY RESIN PAVEMENT MARKING
4W	4" SOLID WHITE EPOXY RESIN PAVEMENT MARKING
12W	12" SOLID WHITE EPOXY RESIN PAVEMENT MARKING

RHODE ISLAND ABBREVIATIONS

GENERAL

RIDEM	RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
RIDOT	RHODE ISLAND DEPARTMENT OF TRANSPORTATION
RIHP	RHODE ISLAND HIGHWAY PLAT
RIPDES	RHODE ISLAND POLLUTION DISCHARGE ELIMINATION SYSTEM
R.I. STD.	RHODE ISLAND STANDARD

RHODE ISLAND STANDARD DETAILS

2.3.0	=	PRECAST CONCRETE FLARED END SECTION - R.I. STD. 2.3.0
4.2.0	=	PRECAST 4'-0" ROUND MANHOLE - R.I. STD. 4.2.0
4.2.2	=	PRECAST 6'-0" ROUND MANHOLE - R.I. STD. 4.2.2
4.4.0M	=	PRECAST 4'-0", 5'-0", OR 6'-0" ROUND CATCH BASIN - R.I. STD. 4.4.0M
7.3.0	=	GRANITE CURB - R.I. STD. 7.3.0
7.3.2	=	6'-0" GRANITE TRANSITION CURB - R.I. STD. 7.3.2
7.4.0	=	GRANITE SLOPED FACE CURB - R.I. STD. 7.4.0
7.5.1	=	BITUMINOUS BERM - R.I. STD. 7.5.1
7.6.0	=	CURB SETTING DETAIL - R.I. STD. 7.6.0
9.9.0	=	CONSTRUCTION ACCESS - R.I. STD. 9.9.0
24.6.0	=	PARKING SIGN MOUNTING DETAIL - R.I. STD. 24.6.0
43.1.0M	=	CEMENT CONCRETE SIDEWALK (MODIFIED) - R.I. STD. 43.1.0M
43.2.0	=	BITUMINOUS CONCRETE SIDEWALK - R.I. STD. 43.2.0
43.3.2M	=	RAMP-LANDING FOR NARROW SIDEWALK (MODIFIED) - R.I. STD. 43.3.2M
48.1.0M	=	DETECTABLE WARNING SYSTEM (MODIFIED) - R.I. STD. 48.1.0M

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Martin D. Wencek

LEGEND

EXISTING		PROPOSED
	PROPERTY LINE	
	SETBACKS	
	EASEMENT LINE	
	STATE HIGHWAY LINE	
255	CONTOUR	262
X 407.5	SPOT ELEVATION	x 261.5
D D D	DRAINAGE LINE	D D D
W W W	WATER LINE	W W W
	FIRE WATER LINE	FW FW
S S S	SANITARY SEWER LINE	S S S
G G G	GAS LINE	G G G
E E E	ELECTRIC	E E E
T T T	TELEPHONE LINE	T T T
OHW	OVERHEAD ELECTRIC LINE	OHW
	LIMIT OF DISTURBANCE	LOD
	REQUEST FOR PROPOSAL LIMIT	RFP
	LIMIT OF DISTURBANCE/COMPOST FILTER SOCK	LOD/CFS
	CATCH BASIN	
	HYDRANT	
D	DRAINAGE MANHOLE	
S	SEWER MANHOLE	
	UTILITY POLE	
WV WV	WATER VALVE	
GG	GAS GATE	
	LIGHT POLE	
	TREE LINE	
	STONE WALL	
X X X	CHAIN LINK FENCE	
	WIRE FENCE	
	WOOD FENCE	
	FENCE	
	CURBING	
	EDGE OF PAVEMENT	
	SAWCUT LINE	
	SIGN	
	COMPOST FILTER SOCK	
	SAND BAGS	
#	NO. OF PARKING SPACES	#
WF A52 WF A51	WETLAND EDGE	
	50' BUFFER ZONE	
	200' JURISDICTIONAL AREA	

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0" 1"
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CASS PARK ATHLETIC FACILITY
344 CUMBERLAND HILL ROAD
WOONSOCKET, RHODE ISLAND

RI Environmental Management
AUG 30 2024
Office of Water Resources

JOSEPH WEED
11763
8/28/24
REGISTERED PROFESSIONAL ENGINEER (CIVIL)

REVISIONS:

1	08/28/2024	RIDEM RTC

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CHECKED BY:	JLW
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APPROVED BY:	JLW

DRAWING TITLE: LEGEND

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SHEET NO. 2 OF 36

Z:_JOBS\21 Jobs\21015.02 Woonsocket - Cass Park Athletic Facilities-RI\DWGS\C0.1-C0.2 NOTES & LEGEND.dwg

EXISTING TOPOGRAPHY FROM NATIONAL LAND SURVEYORS-DEVELOPERS, INC. JULY 2007

EXISTING TOPOGRAPHY FROM COMPOSITE PARE DRONE AND INSTRUMENT SURVEY 2024

EXISTING TOPOGRAPHY FROM PARE DRONE SURVEY 2024

EXISTING TOPOGRAPHY FROM NATIONAL LAND SURVEYORS-DEVELOPERS, INC. JULY 2007

CASS AVENUE

NEWLAND AVE.

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM

NOTE PER DEM:

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

NOTE:

1. PORTIONS OF TOPOGRAPHY AS SHOWN BASED ON:
   - 1.1. AN AERIAL FLY OVER SURVEY PERFORMED BY PARE CORPORATION ON APRIL 24, 2024.
   - 1.2. GROUND INSTRUMENT SURVEY PERFORMED BY PARE CORPORATION ON APRIL 10, 2024.
   - 1.3. PLAN ENTITLED "EXISTING CONDITIONS" DATED JULY 2007 BY NATION LAND SURVEYORS-DEVELOPERS, INC.
2. PARE CORPORATION INSTRUMENT SURVEY TIED INTO A BENCH MARK THE TOP OF THE SPINDLE OF A HYDRANT LOCATED TO THE NORTH EAST OF THE SITE ESTABLISHED BY NATION LAND SURVEYORS-DEVELOPERS, INC.
3. VERTICAL DATUM NAVD88.

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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Scale: 1"=80'
0 40' 80' 160'

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DRAWING TITLE:

EXISTING CONDITIONS PLAN

DRAWING NO.:
C0.3

SHEET NO. 3 OF 36

C1.3, C2.3, C3.3, & C4.3
L2.0

C1.1, C2.1, C3.1, & C4.1
L1.1 & L2.1

C1.2, C2.2, C3.2, & C4.2
L1.2 & L2.2

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CASS AVENUE

PARKING LOT (NIC)

SPORT COMPLEX AND COMMUNITY CENTER BUILDING (NIC)

TICKETING BOOTH

JUMPING EVENTS

CONCESSION BUILDING

POLE VAULT

HAMMER CAGE

DISCUS CAGE

JAVELIN

SHOTPUT

NATURAL TURF FIELD

EXISTING PARKING LOT
100 SPACES (INCLUDING
4 ADA SPACES)

NEWLAND AVE.

LOD/CFS

LOD

PARKING TABLE			
	EXISTING	PROPOSED	ADDITIONAL SPACES IN THE PARK
STANDARD SPACES	APPROX. 115	160	96
ACCESSIBLE SPACES	APPROX. 2	6	4
EV SPACES	NONE	10	NONE
TOTAL PARKING SPACES	APPROX. 117	176	100

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APPROVED BY:	JLW

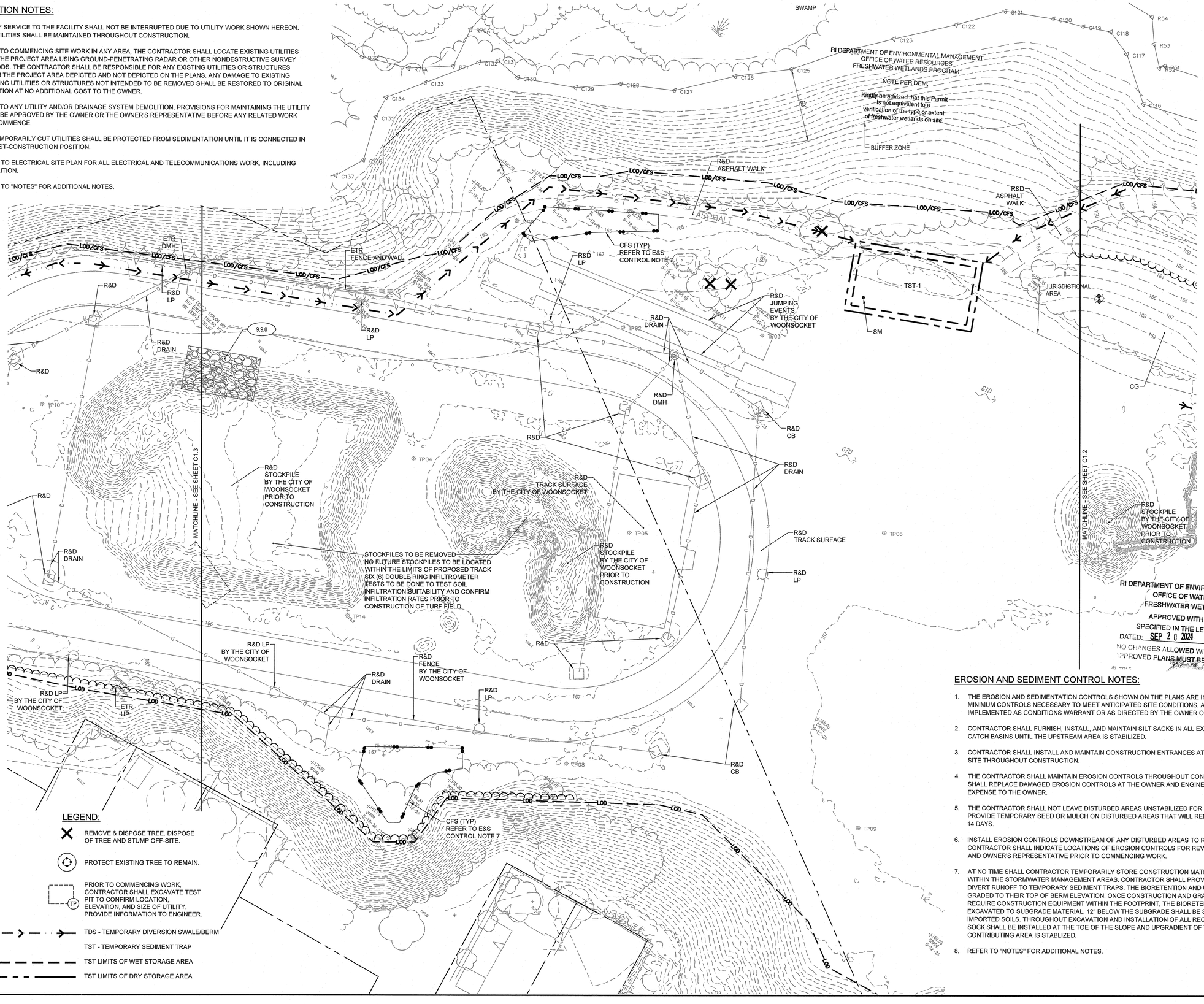
DRAWING TITLE:
OVERALL PLAN

DRAWING NO.:
C0.4

SHEET NO. 4 OF 36

DEMOLITION NOTES:

1. UTILITY SERVICE TO THE FACILITY SHALL NOT BE INTERRUPTED DUE TO UTILITY WORK SHOWN HEREON. ALL UTILITIES SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION.
3. PRIOR TO COMMENCING SITE WORK IN ANY AREA, THE CONTRACTOR SHALL LOCATE EXISTING UTILITIES WITH THE PROJECT AREA USING GROUND-PENETRATING RADAR OR OTHER NONDESTRUCTIVE SURVEY METHODS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY EXISTING UTILITIES OR STRUCTURES WITHIN THE PROJECT AREA DEPICTED AND NOT DEPICTED ON THE PLANS. ANY DAMAGE TO EXISTING WORKING UTILITIES OR STRUCTURES NOT INTENDED TO BE REMOVED SHALL BE RESTORED TO ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE OWNER.
4. PRIOR TO ANY UTILITY AND/OR DRAINAGE SYSTEM DEMOLITION, PROVISIONS FOR MAINTAINING THE UTILITY SHALL BE APPROVED BY THE OWNER OR THE OWNER'S REPRESENTATIVE BEFORE ANY RELATED WORK MAY COMMENCE.
5. ALL TEMPORARILY CUT UTILITIES SHALL BE PROTECTED FROM SEDIMENTATION UNTIL IT IS CONNECTED IN ITS POST-CONSTRUCTION POSITION.
6. REFER TO ELECTRICAL SITE PLAN FOR ALL ELECTRICAL AND TELECOMMUNICATIONS WORK, INCLUDING DEMOLITION.
7. REFER TO "NOTES" FOR ADDITIONAL NOTES.



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EROSION AND SEDIMENT CONTROL NOTES:

1. THE EROSION AND SEDIMENTATION CONTROLS SHOWN ON THE PLANS ARE INTENDED TO REPRESENT THE MINIMUM CONTROLS NECESSARY TO MEET ANTICIPATED SITE CONDITIONS. ADDITIONAL MEASURES SHALL BE IMPLEMENTED AS CONDITIONS WARRANT OR AS DIRECTED BY THE OWNER OR OWNER'S REPRESENTATIVE.
2. CONTRACTOR SHALL FURNISH, INSTALL, AND MAINTAIN SILT SACKS IN ALL EXISTING AND NEWLY INSTALLED CATCH BASINS UNTIL THE UPSTREAM AREA IS STABILIZED.
3. CONTRACTOR SHALL INSTALL AND MAINTAIN CONSTRUCTION ENTRANCES AT ALL POINTS OF EGRESS FROM THE SITE THROUGHOUT CONSTRUCTION.
4. THE CONTRACTOR SHALL MAINTAIN EROSION CONTROLS THROUGHOUT CONSTRUCTION. THE CONTRACTOR SHALL REPLACE DAMAGED EROSION CONTROLS AT THE OWNER AND ENGINEER'S REQUEST AT NO ADDITIONAL EXPENSE TO THE OWNER.
5. THE CONTRACTOR SHALL NOT LEAVE DISTURBED AREAS UNSTABILIZED FOR PERIODS MORE THAN 14 DAYS. PROVIDE TEMPORARY SEED OR MULCH ON DISTURBED AREAS THAT WILL REMAIN EXPOSED FOR GREATER THAN 14 DAYS.
6. INSTALL EROSION CONTROLS DOWNSTREAM OF ANY DISTURBED AREAS TO REDUCE POTENTIAL FOR EROSION. CONTRACTOR SHALL INDICATE LOCATIONS OF EROSION CONTROLS FOR REVIEW WITH GENERAL CONTRACTOR AND OWNER'S REPRESENTATIVE PRIOR TO COMMENCING WORK.
7. AT NO TIME SHALL CONTRACTOR TEMPORARILY STORE CONSTRUCTION MATERIAL, MACHINERY, OR RUNOFF WITHIN THE STORMWATER MANAGEMENT AREAS. CONTRACTOR SHALL PROVIDE TEMPORARY MEASURES TO DIVERT RUNOFF TO TEMPORARY SEDIMENT TRAPS. THE BIORETENTION AND UGIS AREAS SHALL BE TEMPORARILY GRADED TO THEIR TOP OF BERM ELEVATION. ONCE CONSTRUCTION AND GRADING ACTIVITIES NO LONGER REQUIRE CONSTRUCTION EQUIPMENT WITHIN THE FOOTPRINT, THE BIORETENTION AND UGIS AREA SHALL BE EXCAVATED TO SUBGRADE MATERIAL. 12" BELOW THE SUBGRADE SHALL BE SCARIFIED PRIOR TO PLACING IMPORTED SOILS. THROUGHOUT EXCAVATION AND INSTALLATION OF ALL REQUIRED MATERIAL, COMPOST FILTER SOCK SHALL BE INSTALLED AT THE TOE OF THE SLOPE AND UPGRADIENT OF THE WORK AREA UNTIL CONTRIBUTING AREA IS STABLIZED.
8. REFER TO "NOTES" FOR ADDITIONAL NOTES.

Scale: 1"=30'
0 15' 30' 60'

LEGEND:

- REMOVE & DISPOSE TREE. DISPOSE OF TREE AND STUMP OFF-SITE.
- PROTECT EXISTING TREE TO REMAIN.
- PRIOR TO COMMENCING WORK, CONTRACTOR SHALL EXCAVATE TEST PIT TO CONFIRM LOCATION, ELEVATION, AND SIZE OF UTILITY. PROVIDE INFORMATION TO ENGINEER.
- TDS - TEMPORARY DIVERSION SWALE/BERM
- TST - TEMPORARY SEDIMENT TRAP
- TST LIMITS OF WET STORAGE AREA
- TST LIMITS OF DRY STORAGE AREA

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SCALE ADJUSTMENT GUIDE
0" 1"
BAR IS ONE INCH ON ORIGINAL DRAWING

CASS PARK ATHLETIC FACILITY

344 CUMBERLAND HILL ROAD
WOONSOCKET, RHODE ISLAND

RI Environmental Management
AUG 2 8 2024

JOSEPH WEED
No. 11763
REGISTERED PROFESSIONAL ENGINEER (CIVIL)
8/28/24

REVISIONS:		
1	08/28/2024	RIDEM RTC

PROJECT NO.:	21015.02
DATE:	JULY 2, 2024
SCALE:	1"=30'
DESIGNED BY:	DJLS/CVH
CHECKED BY:	JLW
DRAWN BY:	AKL
APPROVED BY:	JLW

DRAWING TITLE:
DEMOLITION, EROSION & SEDIMENT CONTROL PLAN 1

DRAWING NO.:
C1.1

SHEET NO. 5 OF 36

Z:_JOBS\21 Jobs\21015.02 Woonsocket - Cass Park Athletic Facilities-RI\DWGS\C1.0 DEMOLITION EROSION & SEDIMENT CONTROL PLAN.dwg

EROSION AND SEDIMENT CONTROL NOTES:

1. THE EROSION AND SEDIMENTATION CONTROLS SHOWN ON THE PLANS ARE INTENDED TO REPRESENT THE MINIMUM CONTROLS NECESSARY TO MEET ANTICIPATED SITE CONDITIONS. ADDITIONAL MEASURES SHALL BE IMPLEMENTED AS CONDITIONS WARRANT OR AS DIRECTED BY THE OWNER OR OWNER'S REPRESENTATIVE.
2. CONTRACTOR SHALL FURNISH, INSTALL, AND MAINTAIN SILT SACKS IN ALL EXISTING AND NEWLY INSTALLED CATCH BASINS UNTIL THE UPSTREAM AREA IS STABILIZED.
3. CONTRACTOR SHALL INSTALL AND MAINTAIN CONSTRUCTION ENTRANCES AT ALL POINTS OF EGRESS FROM THE SITE THROUGHOUT CONSTRUCTION.
4. THE CONTRACTOR SHALL MAINTAIN EROSION CONTROLS THROUGHOUT CONSTRUCTION. THE CONTRACTOR SHALL REPLACE DAMAGED EROSION CONTROLS AT THE OWNER AND ENGINEER'S REQUEST AT NO ADDITIONAL EXPENSE TO THE OWNER.
5. THE CONTRACTOR SHALL NOT LEAVE DISTURBED AREAS UNSTABILIZED FOR PERIODS MORE THAN 14 DAYS. PROVIDE TEMPORARY SEED OR MULCH ON DISTURBED AREAS THAT WILL REMAIN EXPOSED FOR GREATER THAN 14 DAYS.
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8. REFER TO "NOTES" FOR ADDITIONAL NOTES.

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM

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

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS
SPECIFIED IN THE LETTER OF APPROVAL
DATED: SEP 20 2024 FILE #: 24-0171
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

DEMOLITION NOTES:

1. UTILITY SERVICE TO THE FACILITY SHALL NOT BE INTERRUPTED DUE TO UTILITY WORK SHOWN HEREON. ALL UTILITIES SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION.
3. PRIOR TO COMMENCING SITE WORK IN ANY AREA, THE CONTRACTOR SHALL LOCATE EXISTING UTILITIES WITH THE PROJECT AREA USING GROUND-PENETRATING RADAR OR OTHER NONDESTRUCTIVE SURVEY METHODS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY EXISTING UTILITIES OR STRUCTURES WITHIN THE PROJECT AREA DEPICTED AND NOT DEPICTED ON THE PLANS. ANY DAMAGE TO EXISTING WORKING UTILITIES OR STRUCTURES NOT INTENDED TO BE REMOVED SHALL BE RESTORED TO ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE OWNER.
4. PRIOR TO ANY UTILITY AND/OR DRAINAGE SYSTEM DEMOLITION, PROVISIONS FOR MAINTAINING THE UTILITY SHALL BE APPROVED BY THE OWNER OR THE OWNER'S REPRESENTATIVE BEFORE ANY RELATED WORK MAY COMMENCE.
5. ALL TEMPORARILY CUT UTILITIES SHALL BE PROTECTED FROM SEDIMENTATION UNTIL IT IS CONNECTED IN ITS POST-CONSTRUCTION POSITION.
6. REFER TO ELECTRICAL SITE PLAN FOR ALL ELECTRICAL AND TELECOMMUNICATIONS WORK, INCLUDING DEMOLITION.
7. REFER TO "NOTES" FOR ADDITIONAL NOTES.

LEGEND:

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- TDS - TEMPORARY DIVERSION SWALE/BERM
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- TST LIMITS OF WET STORAGE AREA
- TST LIMITS OF DRY STORAGE AREA

Scale: 1"=30'
0 15' 30' 60'

MATCHLINE - SEE SHEET C1.1

Z:\JOBS\21 Jobs\21015.02 Woonsocket - Cass Park Athletic Facilities-RI\DWGS\C1.0 DEMOLITION EROSION & SEDIMENT CONTROL PLAN.dwg

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0" 1"
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CASS PARK ATHLETIC FACILITY

344 CUMBERLAND HILL ROAD
WOONSOCKET, RHODE ISLAND

RI Environmental Management
AUG 28 2024
Office of Water Resources

JOSEPH WEED
No. 11763
8/28/24
REGISTERED PROFESSIONAL ENGINEER (CIVIL)

REVISIONS:		
1	08/28/2024	RIDEM RTC

PROJECT NO.:	21015.02
DATE:	JULY 2, 2024
SCALE:	1"=30'
DESIGNED BY:	DJLS/CVH
CHECKED BY:	JLW
DRAWN BY:	AKL
APPROVED BY:	JLW

DRAWING TITLE:
DEMOLITION, EROSION & SEDIMENT CONTROL PLAN 2

DRAWING NO.:
C1.2

SHEET NO. 6 OF 36

EROSION AND SEDIMENT CONTROL NOTES:

1. THE EROSION AND SEDIMENTATION CONTROLS SHOWN ON THE PLANS ARE INTENDED TO REPRESENT THE MINIMUM CONTROLS NECESSARY TO MEET ANTICIPATED SITE CONDITIONS. ADDITIONAL MEASURES SHALL BE IMPLEMENTED AS CONDITIONS WARRANT OR AS DIRECTED BY THE OWNER OR OWNER'S REPRESENTATIVE.
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8. REFER TO "NOTES" FOR ADDITIONAL NOTES.

DEMOLITION NOTES:

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RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM

NOTE PER DEM:

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BUFFER ZONE

JURISDICTIONAL AREA

DESIGNATED FUELING AREA KEEP SPILL KIT IN PROXIMITY TO FUELING AREA

CONCRETE WASHOUT

R&D RETAINING WALL SHALL BE REPLACED BY THE CITY OF WOONSOCKET

R&D STORAGE CONTAINER BY THE CITY OF WOONSOCKET

R&D BUILDING BY THE CITY OF WOONSOCKET

R&D PAVEMENT BY THE CITY OF WOONSOCKET

R&D FENCE BY THE CITY OF WOONSOCKET

R&D DRAIN

R&D STOCKPILE BY THE CITY OF WOONSOCKET PRIOR TO CONSTRUCTION

R&D LP BY THE CITY OF WOONSOCKET

TOPOGRAPHY FROM INSTRUMENT SURVEY

CUMBERLAND HILL ROAD
(NO ABOUT FLYING)
STATE HIGHWAY PLAN NO. 3853

NEWLAND AVE.

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL
DATED: SEP 2 0 2024 FILE #: 24-0171
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Jaclin D. Swanch

Scale: 1"=30'
0 15' 30' 60'

Z:\JOBS\21 Jobs\21015.02 Woonsocket - Cass Park Athletic Facilities-RI\DWGS\C1.0 DEMOLITION EROSION & SEDIMENT CONTROL PLAN.dwg

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SCALE ADJUSTMENT GUIDE
0" 1"
BAR IS ONE INCH ON ORIGINAL DRAWING

CASS PARK ATHLETIC FACILITY

344 CUMBERLAND HILL ROAD
WOONSOCKET, RHODE ISLAND

Received Management AUG 30 2024 Office of Water Resources

JOSEPH WEED
No. 11763
REGISTERED PROFESSIONAL ENGINEER (CIVIL)
8/28/24

REVISIONS:

1	08/28/2024	RIDEM RTC

PROJECT NO.:	21015.02
DATE:	JULY 2, 2024
SCALE:	1"=30'
DESIGNED BY:	DJLS/CVH
CHECKED BY:	JLW
DRAWN BY:	AKL
APPROVED BY:	JLW

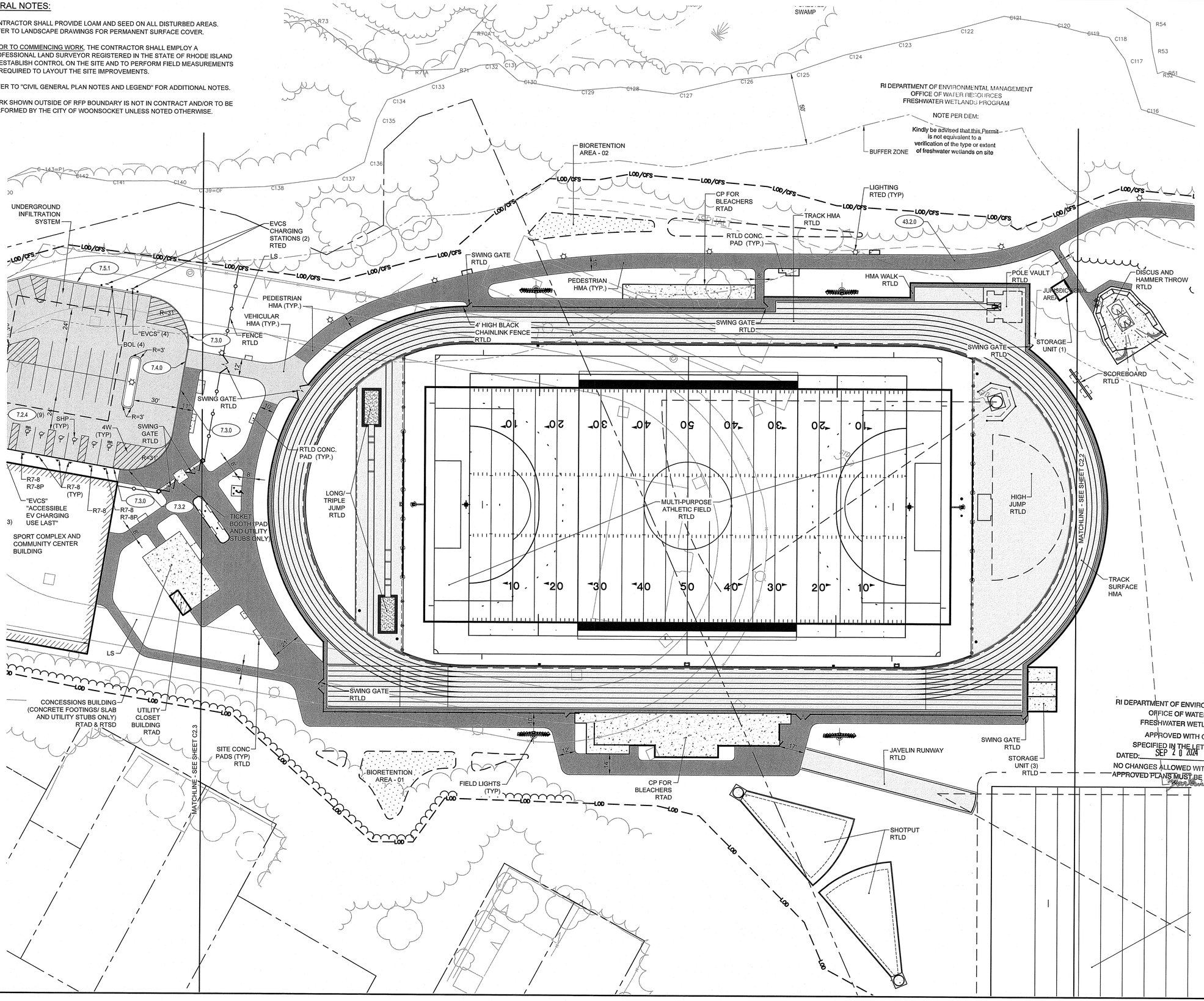
DRAWING TITLE:
DEMOLITION, EROSION & SEDIMENT CONTROL PLAN 3

DRAWING NO.:
C1.3

SHEET NO. 7 OF 36

GENERAL NOTES:

1. CONTRACTOR SHALL PROVIDE LOAM AND SEED ON ALL DISTURBED AREAS. REFER TO LANDSCAPE DRAWINGS FOR PERMANENT SURFACE COVER.
2. PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL EMPLOY A PROFESSIONAL LAND SURVEYOR REGISTERED IN THE STATE OF RHODE ISLAND TO ESTABLISH CONTROL ON THE SITE AND TO PERFORM FIELD MEASUREMENTS AS REQUIRED TO LAYOUT THE SITE IMPROVEMENTS.
3. REFER TO "CIVIL GENERAL PLAN NOTES AND LEGEND" FOR ADDITIONAL NOTES.
4. WORK SHOWN OUTSIDE OF RFP BOUNDARY IS NOT IN CONTRACT AND/OR TO BE PERFORMED BY THE CITY OF WOONSOCKET UNLESS NOTED OTHERWISE.



Z:\JOBS\21 Jobs\21015.02 Woonsocket - Cass Park Athletic Facilities--RI\DWGS\C2.0 GENERAL PLAN.dwg

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SCALE ADJUSTMENT GUIDE
0" 1"
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CASS PARK ATHLETIC FACILITY

344 CUMBERLAND HILL ROAD
WOONSOCKET, RHODE ISLAND

Received by Office of Water Resources
AUG 30 2024

JOSEPH WEED
No. 11763
REGISTERED PROFESSIONAL ENGINEER (CIVIL)
8/28/24

REVISIONS:

1	08/28/2024	RIDEM RTC

PROJECT NO.:	21015.02
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SCALE:	1"=30'
DESIGNED BY:	DJLS/CVH
CHECKED BY:	JLW
DRAWN BY:	AKL
APPROVED BY:	JLW

DRAWING TITLE:
GENERAL PLAN 1

DRAWING NO.:
C2.1

SHEET NO. 8 OF 36

GENERAL NOTES:

1. CONTRACTOR SHALL PROVIDE LOAM AND SEED ON ALL DISTURBED AREAS. REFER TO LANDSCAPE DRAWINGS FOR PERMANENT SURFACE COVER.
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LOD/CFS
ASPHALT
POLE VAULT RTLD
DISCUS AND HAMMER THROW RTLD
JURISDICTIONAL AREA
PROP. TREELINE
STORAGE UNIT (1)
SWING GATE RTLD
SCOREBOARD RTLD
LIGHT POLE (TYP)
HIGH JUMP RTLD
TRACK SURFACE HMA
BIORETENTION AREA - 03
LS
SHED
SWING GATE RTLD
STORAGE UNIT (3) RTLD
MATCHLINE - SEE SHEET C2.1
NATURAL TURF PRACTICE AREA (DISPLAYED FOR REFERENCE ONLY)
DECIDUOUS FORESTED SWAMP
RIVER
STREAM BANK
WET MEADOW
SHRUB SWAMP
BUFFER ZONE
JURISDICTIONAL AREA
CASS POND
RETAINING WALL
HH
CL 101
CL 102
43.2.0
100'
50'

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM

NOTE PER DEM:

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RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL
DATED: SEP 20 2024 FILE #: 24-0171
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Karen D. Wagner

Scale: 1"=30'
0 15' 30' 60'

RI Department of Environmental Management
AUG 30 2024
Office of Water Resources

JOSEPH WEED
11763
REGISTERED PROFESSIONAL ENGINEER (CIVIL)
8/29/24

SCALE ADJUSTMENT GUIDE
0" 1"
BAR IS ONE INCH ON ORIGINAL DRAWING

REVISIONS:

1	08/28/2024	RIDEM RTC

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SCALE:	1"=30'
DESIGNED BY:	DJLS/CVH
CHECKED BY:	JLW
DRAWN BY:	AKL
APPROVED BY:	JLW

DRAWING TITLE: GENERAL PLAN 2

DRAWING NO.: C2.2

SHEET NO. 9 OF 36

CASS PARK ATHLETIC FACILITY

344 CUMBERLAND HILL ROAD
WOONSOCKET, RHODE ISLAND

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Z:\JOBS\21 Jobs\21015.02 Woonsocket - Cass Park Athletic Facilities-8\DWGS\C2.0 GENERAL PLAN.dwg

GENERAL NOTES:

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2. PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL EMPLOY A PROFESSIONAL LAND SURVEYOR REGISTERED IN THE STATE OF RHODE ISLAND TO ESTABLISH CONTROL ON THE SITE AND TO PERFORM FIELD MEASUREMENTS AS REQUIRED TO LAYOUT THE SITE IMPROVEMENTS.
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RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM

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SYLVESTER POND

UNDERGROUND INFILTRATION SYSTEM

EVCS CHARGING STATIONS (2) RTED

LS

PEDESTRIAN HMA (TYP.)

VEHICULAR HMA (TYP.)

FENCE RTLD

SWING GATE RTLD

RTLD PAD (

VEHICULAR HMA BY THE CITY OF WOONSOCKET

BUFFER ZONE

JURISDICTIONAL AREA

"EVCS" (4)

BOL (4)

"EVCS" (5)

BOL (12)

SHP (TYP)

SWING GATE RTLD

CONCRETE WALK BY THE CITY OF WOONSOCKET

12W 4W DYL

7.1.0 FLUSH

7.5.1 (TYP) BY THE CITY OF WOONSOCKET

43.2.0 BY THE CITY OF WOONSOCKET

PEDESTRIAN HMA (TYP)

LIGHT POLE (TYP)

43.2.0 BY THE CITY OF WOONSOCKET

CP FOR DUMPSTER

EVCS CHARGING STATIONS (3) RTED

"EVCS" "ACCESSIBLE EV CHARGING USE LAST"

SPORT COMPLEX AND COMMUNITY CENTER BUILDING

TICKET BOOTH PAD AND UTILITY STUBS ONLY

VEHICULAR HMA BY THE CITY OF WOONSOCKET

STATE ROW HMA

RIDOT STORMWATER SYSTEM CONNECTION LOCATION
42°00'05.0"N, 71°29'40.2"W

TOPOGRAPHY FROM INSTRUMENT SURVEY

CONCESSIONS BUILDING (CONCRETE FOOTINGS/ SLAB AND UTILITY STUBS ONLY) RTAD & RTSD

UTILITY CLOSET BUILDING RTAD

SITE CONC PADS (TYP) RTLD

MATCHLINE - SEE SHEET C2.1

CUMBERLAND HILL ROAD
(NO LAND TAKE FOUND)
STATE HIGHWAY PLAN NO. 5803

STATE HIGHWAY LINE

NEWLAND AVE.

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
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WOONSOCKET, RHODE ISLAND

RI Department of Environmental Management
AUG 30 2024
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JOSEPH WEED
No. 11763
REGISTERED PROFESSIONAL ENGINEER (CIVIL)
8/29/24

REVISIONS:

1	08/28/2024	RIDEM RTC

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DESIGNED BY:	DJLS/CVH
CHECKED BY:	JLW
DRAWN BY:	AKL
APPROVED BY:	JLW

DRAWING TITLE:
GENERAL PLAN 3

DRAWING NO.:
C2.3

SHEET NO. 10 OF 36

NOTES:

1. AT ALL LOCATIONS WHERE EXISTING CURBING OR PAVEMENT ABUT NEW CONSTRUCTION, THE EDGE OF THE EXISTING CURB OR PAVEMENT SHALL BE SAW CUT TO A CLEAN, SMOOTH EDGE. BLEND NEW PAVEMENT AND CURBS SMOOTHLY INTO EXISTING BY MATCHING LINES, GRADES AND JOINTS.
2. ALL UTILITY COVERS, GRATES, ETC. SHALL BE ADJUSTED TO BE FLUSH WITH THE SURROUNDING SURFACE OR PAVEMENT FINISH GRADE. RIM ELEVATIONS OF STRUCTURES AND MANHOLES ARE APPROXIMATE. FINAL ELEVATIONS ARE TO BE SET FLUSH AND CONSISTENT WITH THE GRADING PLANS.
3. PITCH EVENLY BETWEEN SPOT GRADES. ALL PAVED AREAS MUST PITCH TO DRAIN AT A MIN. OF 1/8" PER FOOT UNLESS SPECIFIED.
4. THE PROPOSED WALKWAYS SHALL HAVE A MAXIMUM CROSS SLOPE OF 2% AND A MAXIMUM RUNNING SLOPE OF 5% AS SHOWN ON CONSTRUCTION DETAILS.
5. ALL GRADING AT ACCESSIBLE ROUTES SHALL COMPLY WITH THE RULES AND REGULATIONS OF THE AMERICANS WITH DISABILITIES ACT (ADA) OF 2010, LATEST EDITION.
6. BASIN BERM SHALL BE CONSTRUCTED WITH COMMON BORROW PLACED IN 12" LIFTS AND COMPACTED TO 95% TO FINISH GRADE. REMOVE ALL EXISTING TOPSOIL AND ORGANIC MATERIAL PRIOR TO CONSTRUCTING BASIN BERM.
7. TURF REINFORCEMENT MAT (TRM) SHALL BE INSTALLED ON ALL SLOPES 3:1 OR GREATER.
8. REFER TO "NOTES" FOR ADDITIONAL NOTES.

SWAMP

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM

NOTE PER DEM:

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

BUFFER ZONE

SPORT COMPLEX AND COMMUNITY CENTER BUILDING FFE=168.00

FFE=167.75

MATCHLINE - SEE SHEET C3.3

MATCHLINE - SEE SHEET C3.2

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL
DATED: SEP 20 2024 FILE #: 24-0171
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Martin D. Wenner

Scale: 1"=30'
0 15' 30' 60'

Z:\JOBS\21 Jobs\21015.02 Woonsocket - Cass Park Athletic Facilities--RI\DWGS\C3.0 GRADING PLAN.dwg

PARE

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(781) 326-2600 | activitas.com

SCALE ADJUSTMENT GUIDE
0" 1"
BAR IS ONE INCH ON ORIGINAL DRAWING

CASS PARK ATHLETIC FACILITY

344 CUMBERLAND HILL ROAD
WOONSOCKET, RHODE ISLAND

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
AUG 2 6 2024
Office of Water Resources

JOSEPH WEED
11763
8-26-25
REGISTERED PROFESSIONAL ENGINEER (CIVIL)

REVISIONS:

1	08/28/2024	RIDEM RTC

PROJECT NO.:	21015.02
DATE:	JULY 2, 2024
SCALE:	1"=30'
DESIGNED BY:	DJLS/CVH
CHECKED BY:	JLW
DRAWN BY:	AKL
APPROVED BY:	JLW

DRAWING TITLE:

GRADING PLAN 1

DRAWING NO.:

C3.1

SHEET NO. 11 OF 36

NOTES:

1. AT ALL LOCATIONS WHERE EXISTING CURBING OR PAVEMENT ABUT NEW CONSTRUCTION, THE EDGE OF THE EXISTING CURB OR PAVEMENT SHALL BE SAW CUT TO A CLEAN, SMOOTH EDGE. BLEND NEW PAVEMENT AND CURBS SMOOTHLY INTO EXISTING BY MATCHING LINES, GRADES AND JOINTS.
2. ALL UTILITY COVERS, GRATES, ETC. SHALL BE ADJUSTED TO BE FLUSH WITH THE SURROUNDING SURFACE OR PAVEMENT FINISH GRADE. RIM ELEVATIONS OF STRUCTURES AND MANHOLES ARE APPROXIMATE. FINAL ELEVATIONS ARE TO BE SET FLUSH AND CONSISTENT WITH THE GRADING PLANS.
3. PITCH EVENLY BETWEEN SPOT GRADES. ALL PAVED AREAS MUST PITCH TO DRAIN AT A MIN. OF 1/8" PER FOOT UNLESS SPECIFIED.
4. THE PROPOSED WALKWAYS SHALL HAVE A MAXIMUM CROSS SLOPE OF 2% AND A MAXIMUM RUNNING SLOPE OF 5% AS SHOWN ON CONSTRUCTION DETAILS.
5. ALL GRADING AT ACCESSIBLE ROUTES SHALL COMPLY WITH THE RULES AND REGULATIONS OF THE AMERICANS WITH DISABILITIES ACT (ADA) OF 2010, LATEST EDITION.
6. BASIN BERM SHALL BE CONSTRUCTED WITH COMMON BORROW PLACED IN 12" LIFTS AND COMPACTED TO 95% TO FINISH GRADE. REMOVE ALL EXISTING TOPSOIL AND ORGANIC MATERIAL PRIOR TO CONSTRUCTING BASIN BERM.
7. TURF REINFORCEMENT MAT (TRM) SHALL BE INSTALLED ON ALL SLOPES 3:1 OR GREATER.
8. REFER TO "NOTES" FOR ADDITIONAL NOTES.

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM

NOTE PER DEM:

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

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS
SPECIFIED IN THE LETTER OF APPROVAL
DATED: SEP 20 2024 FILE #:
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Scale: 1"=30'
0 15' 30' 60'

PEDESTRIAN PATH TO MATCH EXISTING GRADE
EXISTING ROCK SWALE
DECIDUOUS FORESTED SWAMP
DECIDUOUS FORESTED SWAMP
STREAM BANK
BUFFER ZONE
WET MEADOW
WET MEADOW
SHRUB SWAMP
JURISDICTIONAL AREA
BUFFER ZONE
CASS POND
EXISTING STONE WALL
EXISTING TOPOGRAPHY
RETAINING WALL
APRON STRUCTURE
4-6" RIP-RAP
INV OUT
RIM
4" DIA CPP
8" STORM WATER PIPE
EX. 8" STORM WATER PIPE
BOT. OF WALL ELEV.=158.37
SHED
MATCHLINE - SEE SHEET C3.1
TP15
LOD/CFS
S-D/001
100'

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CASS PARK ATHLETIC FACILITY

344 CUMBERLAND HILL ROAD
WOONSOCKET, RHODE ISLAND

RI Department of Environmental Management
AUG 30 2024

JOSEPH WEED
RHODE ISLAND
11763
REGISTERED PROFESSIONAL ENGINEER (CIVIL)
8/29/24

REVISIONS:		
1	08/28/2024	RIDEM RTC

PROJECT NO.:	21015.02
DATE:	JULY 2, 2024
SCALE:	1"=30'
DESIGNED BY:	DJLS/CVH
CHECKED BY:	JLW
DRAWN BY:	AKL
APPROVED BY:	JLW

DRAWING TITLE:
GRADING PLAN 2

DRAWING NO.:
C3.2

SHEET NO. 12 OF 36

Z:_JOBS\21 Jobs\21015.02 Woonsocket - Cass Park Athletic Facilities-R\DWGS\C3.0 GRADING PLAN.dwg

NOTES:

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RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
NOT APPROVED
NOTE PER DEM:
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SYLVESTER POND

BUFFER ZONE

JURISDICTIONAL AREA

SPORT COMPLEX AND COMMUNITY CENTER BUILDING
FFE=168.00

FFE=167.75

RIDOT STORMWATER SYSTEM CONNECTION LOCATION
42°00'05.0"N, 71°29'40.2"W

CUMBERLAND HILL ROAD
(NO ABOUT FOUND)
STATE HIGHWAY PLAT NO. 3803

STATE HIGHWAY LINE

NEWLAND AVE.

MATCHLINE - SEE SHEET C3.1

PHOTOGRAPH FROM INSTRUMENT SURVEY

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL
DATED: SEP 20 2024 FILE #: 24-0171
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Marcia D. Wunderle

Scale: 1"=30'
0 15' 30' 60'

Z:\JOBS\21 Jobs\21015.02 Woonsocket - Cass Park Athletic Facilities-RI\DWGS\C3.0 GRADING PLAN.dwg

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CASS PARK ATHLETIC FACILITY

344 CUMBERLAND HILL ROAD
WOONSOCKET, RHODE ISLAND

RI Environmental Management
AUG 23 2024

JOSEPH WEED
No. 11763
8/28/25
REGISTERED PROFESSIONAL ENGINEER (CIVIL)

REVISIONS:

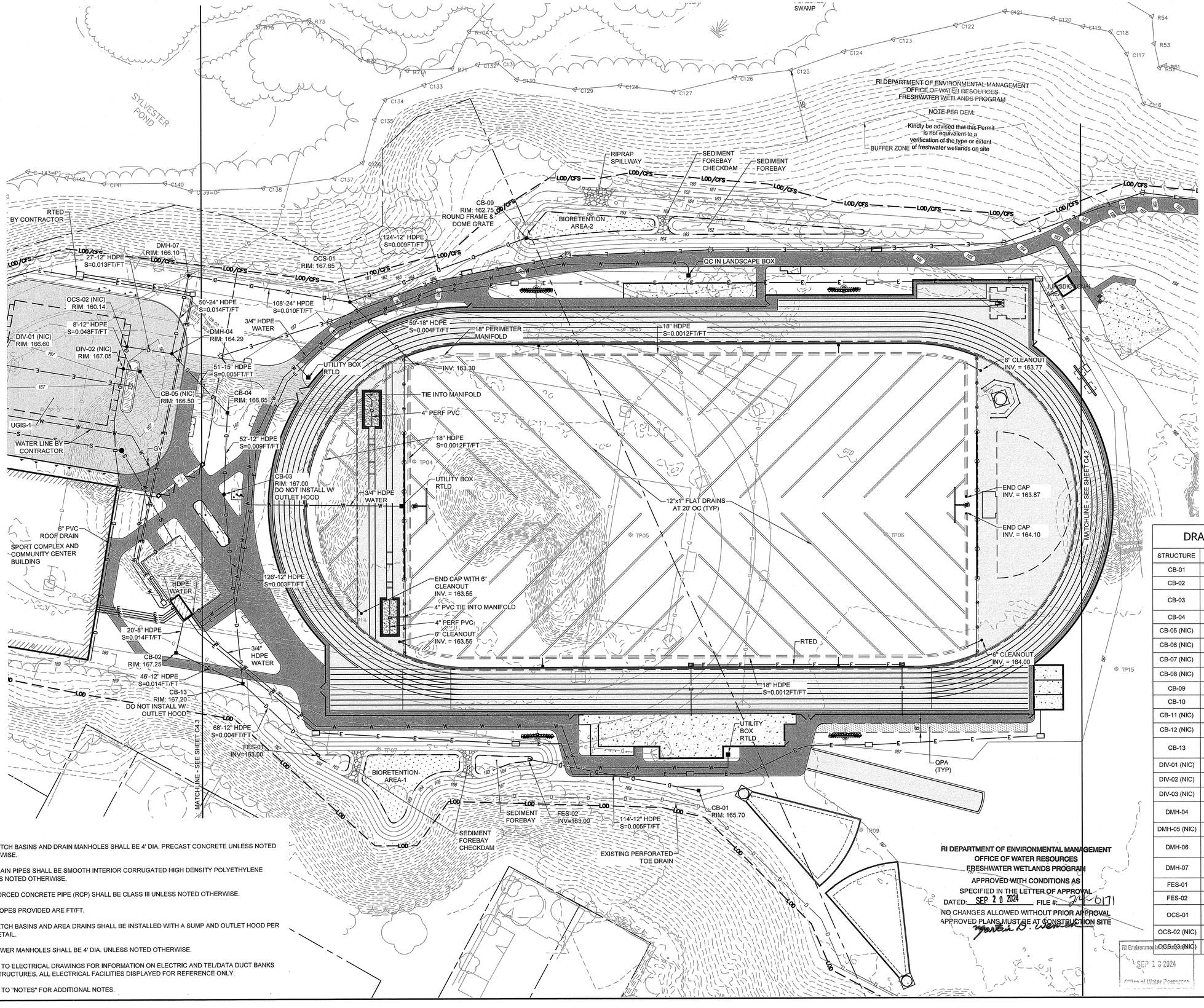
1	08/28/2024	RIDEM RTC

PROJECT NO.:	21015.02
DATE:	JULY 2, 2024
SCALE:	1"=30'
DESIGNED BY:	DJLS/CVH
CHECKED BY:	JLW
DRAWN BY:	AKL
APPROVED BY:	JLW

DRAWING TITLE:
GRADING PLAN 3

DRAWING NO.:
C3.3

SHEET NO. 13 OF 36



NOTES:

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RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL
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APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Steven D. Ewell

RI Environmental Management
SEP 13 2024
Office of Water Resources

DRAIN INVERT TABLE

STRUCTURE	RIM (FT)	INV. IN (FT)	INV. OUT (FT)
CB-01	165.70	———	163.70 SW
CB-02	167.25	164.00 NW	163.90 E
CB-03	167.00	———	163.75 SE 164.00 NW
CB-04	166.65	163.50 SE	162.65 W
CB-05 (NIC)	166.50	———	158.75 SW
CB-06 (NIC)	166.50	158.30 SW	158.30 NE
CB-07 (NIC)	164.50	159.05 SW	159.00 NE
CB-08 (NIC)	162.75	———	159.65 NE
CB-09	162.75	———	159.75 SW
CB-10	157.75	———	154.50 E
CB-11 (NIC)	155.35	———	152.25 SE
CB-12 (NIC)	156.15	151.60 NW	151.50 NE
CB-13	167.20	163.30 NW 163.21 W	163.30 E
DIV-01 (NIC)	166.60	158.20 S	SEE DETAIL (UGIS-01)
DIV-02 (NIC)	167.05	158.20 NE	SEE DETAIL (UGIS-01)
DIV-03 (NIC)	156.70	151.05 SW	SEE DETAIL (UGIS-02)
DMH-04	164.29	162.35 E 157.80 SW	157.75 NW
DMH-05 (NIC)	157.50	147.00 NE	
DMH-06	158.80	153.50 W 153.50 S CTE	153.50 N CTE
DMH-07	166.10	157.40 NE 157.00 SE	154.00 N CTE
FES-01	164.94	163.00 W	———
FES-02	165.04	163.10 NE	
OCS-01	167.65	158.60 NE 163.05 E	158.50 SW
OCS-02 (NIC)	160.14	SEE DETAIL (UGIS-01)	158.20 NE
OCS-03 (NIC)	157.50	SEE DETAIL (UGIS-02)	150.05 SW

Scale: 1"=30'
0 15' 30' 60'

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SCALE ADJUSTMENT GUIDE
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CASS PARK ATHLETIC FACILITY

344 CUMBERLAND HILL ROAD
WOONSOCKET, RHODE ISLAND

RI Environmental Management
AUG 30 2024
Office of Water Resources

JOSEPH WEED
No. 11763
9/4/24
REGISTERED PROFESSIONAL ENGINEER (CIVIL)

REVISIONS:

1	08/28/2024	RIDEM RTC
2	9/16/2024	RIDEM RTC-2

PROJECT NO.:	21015.02
DATE:	JULY 2, 2024
SCALE:	1"=30'
DESIGNED BY:	DJLS/CVH
CHECKED BY:	JLW
DRAWN BY:	AKL
APPROVED BY:	JLW

DRAWING TITLE:
DRAINAGE AND UTILITY PLAN 1

DRAWING NO.:
C4.1
SHEET NO. 14 OF 36

Z:_JOBS\21 Jobs\21015.02 Woonsocket - Cass Park Athletic Facilities-RI_DWGS_Archive\24.08.28 RIDEM RTC\C4.0 DRAINAGE AND UTILITY PLAN.dwg

DRAIN INVERT TABLE

STRUCTURE	RIM (FT)	INV. IN (FT)	INV. OUT (FT)
CB-01	165.70	———	163.70 SW
CB-02	167.25	164.00 NW	163.90 E
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CB-05 (NIC)	166.50	———	158.75 SW
CB-06 (NIC)	166.50	158.30 SW	158.30 NE
CB-07 (NIC)	164.50	159.05 SW	159.00 NE
CB-08 (NIC)	162.75	———	159.65 NE
CB-09	162.75	———	159.75 SW
CB-10	157.75	———	154.50 E
CB-11 (NIC)	155.35	———	152.25 SE
CB-12 (NIC)	156.15	151.60 NW	151.50 NE
CB-13	167.20	163.30 NW 163.21 W	163.30 E
DIV-01 (NIC)	166.60	158.20 S	SEE DETAIL (UGIS-01)
DIV-02 (NIC)	167.05	158.20 NE	SEE DETAIL (UGIS-01)
DIV-03 (NIC)	156.70	151.05 SW	SEE DETAIL (UGIS-02)
DMH-04	164.29	162.35 E 157.80 SW	157.75 NW
DMH-05 (NIC)	157.50	147.00 NE	
DMH-06	158.80	153.50 W 153.50 S CTE	153.50 N CTE
DMH-07	166.10	157.40 NE 157.00 SE	154.00 N CTE
FES-01	164.94	163.00 W	———
FES-02	165.04	163.10 NE	
OCS-01	167.65	158.60 NE 163.05 E	158.50 SW
OCS-02 (NIC)	160.14	SEE DETAIL (UGIS-01)	158.20 NE
OCS-03 (NIC)	157.50	SEE DETAIL (UGIS-02)	150.05 SW

NOTES:

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0 15' 30' 60'

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS
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DATED: SEP 20 2024 FILE #: 24-0171
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Kristie D. Wemark

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SCALE ADJUSTMENT GUIDE
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CASS PARK ATHLETIC FACILITY

344 CUMBERLAND HILL ROAD
WOONSOCKET, RHODE ISLAND

RI Environmental Management
SEP 13 2024

JOSEPH WEED
No. 11763
9/16/24
REGISTERED PROFESSIONAL ENGINEER (CIVIL)

REVISIONS:		
1	08/28/2024	RIDEM RTC
2	9/16/2024	RIDEM RTC-2

PROJECT NO.:	21015.02
DATE:	JULY 2, 2024
SCALE:	1"=30'
DESIGNED BY:	DJLS/CVH
CHECKED BY:	JLW
DRAWN BY:	AKL
APPROVED BY:	JLW

DRAWING TITLE:
DRAINAGE AND UTILITY PLAN 2

DRAWING NO.:
C4.2

SHEET NO. 15 OF 36

Z:\JOBS\21 Jobs\21015.02 Woonsocket - Cass Park Athletic Facilities-RI\DWGS_Archive\24.08.28 RIDEM RTC\C4.0 DRAINAGE AND UTILITY PLAN.dwg

DRAIN INVERT TABLE

STRUCTURE	RIM (FT)	INV. IN (FT)	INV. OUT (FT)
CB-01	165.70	———	163.70 SW
CB-02	167.25	164.00 NW	163.90 E
CB-03	167.00	———	163.75 SE 164.00 NW
CB-04	166.65	163.50 SE	162.65 W
CB-05 (NIC)	166.50	———	158.75 SW
CB-06 (NIC)	166.50	158.30 SW	158.30 NE
CB-07 (NIC)	164.50	159.05 SW	159.00 NE
CB-08 (NIC)	162.75	———	159.65 NE
CB-09	162.75	———	159.75 SW
CB-10	157.75	———	154.50 E
CB-11 (NIC)	155.35	———	152.25 SE
CB-12 (NIC)	156.15	151.60 NW	151.50 NE
CB-13	167.20	163.30 NW 163.21 W	163.30 E
DIV-01 (NIC)	166.60	158.20 S	SEE DETAIL (UGIS-01)
DIV-02 (NIC)	167.05	158.20 NE	SEE DETAIL (UGIS-01)
DIV-03 (NIC)	156.70	151.05 SW	SEE DETAIL (UGIS-02)
DMH-04	164.29	162.35 E 157.80 SW	157.75 NW
DMH-05 (NIC)	157.50	147.00 NE	
DMH-06	158.80	153.50 W 153.50 S CTE	153.50 N CTE
DMH-07	166.10	157.40 NE 157.00 SE	154.00 N CTE
FES-01	164.94	163.00 W	———
FES-02	165.04	163.10 NE	
OCS-01	167.65	158.60 NE 163.05 E	158.50 SW
OCS-02 (NIC)	160.14	SEE DETAIL (UGIS-01)	158.20 NE
OCS-03 (NIC)	157.50	SEE DETAIL (UGIS-02)	150.05 SW

NOTES:

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RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM

NOTE PER DEM:

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

RTED BY CONTRACTOR

SYLVESTER POND

134'-15" HPDE S=0.005FT/FT

27'-12" HPDE S=0.013FT/FT

DMH-07 RIM: 166.10

50'-24" HDPE S=0.014FT/FT

108'-24" HPDE S=0.010FT/FT

3/4" HDPE WATER

DMH-04 RIM: 164.29

112'-12" HDPE S=0.005FT/FT

CB-07 (NIC) RIM: 164.50

CB-08 (NIC) RIM: 162.75

10'-15" HPDE S=0.009FT/FT

CB-06 (NIC) RIM: 166.50

DIV-01 (NIC) RIM: 166.60

8'-12" HDPE S=0.048FT/FT

OCS-02 (NIC) RIM: 160.14

DIV-02 (NIC) RIM: 167.05

CB-05 (NIC) RIM: 166.50

51'-15" HDPE S=0.005FT/FT

CB-04 RIM: 166.65

52'-12" HDPE S=0.009FT/FT

CB-03 RIM: 167.00 DO NOT INSTA OUTLET HOOD

BUFFER ZONE

JURISDICTIONAL AREA

UGIS-1

WATER LINE BY CONTRACTOR

GV

6" HDPE

SMH (TYP)

LIGHT POLE (TYP)

6" PVC ROOF DRAIN

SPORT COMPLEX AND COMMUNITY CENTER BUILDING

6" PVC ROOF DRAIN

4" HDPE WATER

126'-12" HDPE S=0.003FT/FT

20'-8" HDPE S=0.014FT/FT

3/4" HDPE WATER

CB-02 RIM: 167.25

46'-12" HDPE S=0.014FT/FT

CB-13 RIM: 167.20 DO NOT INSTALL W/ OUTLET HOOD

68'-12" HDPE S=0.004FT/FT

FES-01 INV=163.00

PROP UT POLE RTED

CB-11 (NIC) RIM: 155.35

54'-15" HDPE S=0.011FT/FT

CB-12 (NIC) RIM: 156.15

DIV-03 (NIC) RIM: 156.70

UGIS -2

10'-15" HPDE S=0.033FT/FT

OCS-03 (NIC) RIM: 157.50

68'-12" HDPE S=0.042FT/FT

DMH-05 (NIC) RIM: 157.50

RIDOT STORMWATER SYSTEM CONNECTION LOCATION 42°00'05.0"N, 71°29'40.2"W

TOPOGRAPHY FROM INSTRUMENT SURVEY

CUMBERLAND HILL ROAD
STATE HIGHWAY PLAT NO. 3903
(NO LAYOUT FOUND)

STATE HIGHWAY LINE

STATE HIGHWAY LINE

NEWLAND AVE.

MATCHLINE - SEE SHEET C4.1

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
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0 15' 30' 60'

Z:_JOBS\21 Jobs\21015.02 Woonsocket - Cass Park Athletic Facilities-RI\DWGS_Archive\24.08.28 RIDEM RTC\C4.0 DRAINAGE AND UTILITY PLAN.dwg

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CASS PARK ATHLETIC FACILITY

344 CUMBERLAND HILL ROAD
WOONSOCKET, RHODE ISLAND

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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APPROVED
SEP 20 2024
OFFICE OF WATER RESOURCES

JOSEPH WEED
No. 11763
9/16/24
REGISTERED PROFESSIONAL ENGINEER (CIVIL)

REVISIONS:

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2	9/16/2024	RIDEM RTC-2

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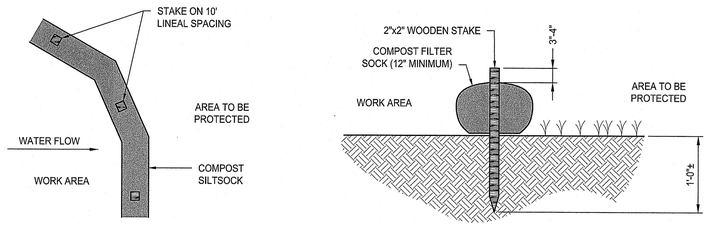
CHECKED BY:	JLW
DRAWN BY:	AKL
APPROVED BY:	JLW

DRAWING TITLE:

DRAINAGE AND UTILITY PLAN 3

DRAWING NO.:
C4.3

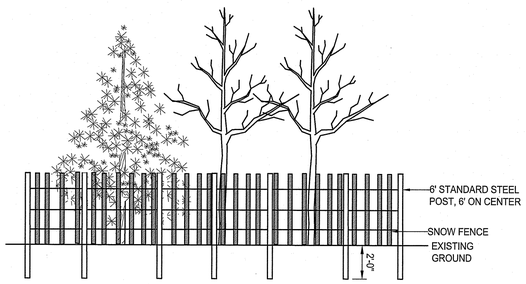
SHEET NO. 16 OF 36



NOTES:

1. COMPOST/ SOIL/ ROCK/ SEED FILL TO MEET APPLICATION REQUIREMENTS.
2. COMPOST MATERIAL TO BE REMOVED OR DISPERSED ON SITE AS DETERMINED BY ENGINEER.
3. IF SOCK NETTING MUST BE JOINED, FIT BEGINNING OF NEW SOCK OVER END OF OLD SOCK, OVERLAPPING BY 2 FEET AND STACK OVERLAP. IF SOCK NETTING IS NOT JOINED, OVERLAP OLD SOCK WITH NEW ONE BY MINIMUM OF 2 FEET.

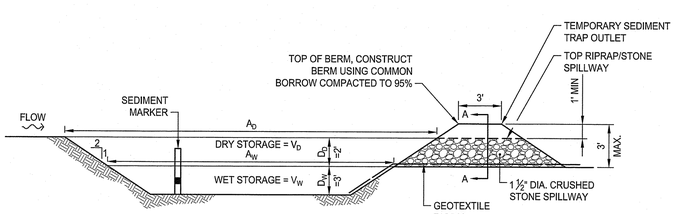
COMPOST FILTER SOCK DETAIL
NOT TO SCALE



NOTES:

1. TREE GROUP PROTECTION SHALL BE INSTALLED AT THE DRIP LINE OF THE TREES TO BE PROTECTED.

TREE GROUP PROTECTION DETAIL
NOT TO SCALE



TST #	L_W (FT)	W_W (FT)	A_W (SF)	V_W (CF)	V_D (CF)	TOTAL STORAGE $V_W + V_D$ (CF)
TST-1	80	40	3,200	8,160	7,424	15,584
TST-2	90	40	3,600	9,180	8,304	17,484
TST-3	50	25	1,250	3,188	3,164	6,352

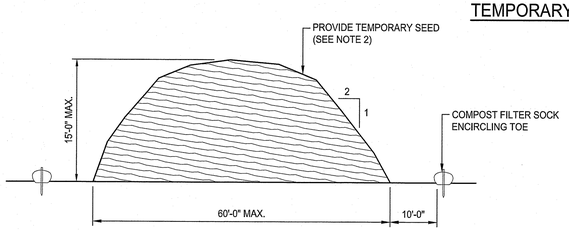
NOTES:

1. TEMPORARY SEDIMENT TRAPS SHALL BE CLEANED OR REMOVED EVERY 6 MONTHS.
2. RIPRAP SHALL MEET RIDOT STANDARD SPECIFICATION M.10.03.2.
3. STONE SHALL MEET RIDOT STANDARD SPECIFICATION M.01.09 TABLE I, COLUMN V (FILTER STONE).
4. SEDIMENT MARKER SHALL BE INSTALLED SUCH THAT TOP OF BLACK ENAMEL BAND IS 1.5' FROM THE BOTTOM OF THE SEDIMENT TRAP.

TEMPORARY SEDIMENT TRAP DETAIL
NOT TO SCALE

SEDIMENT FOREBAY DETAIL
NOT TO SCALE

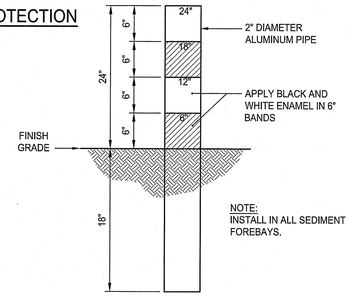
TEMPORARY INLET PROTECTION
NOT TO SCALE



NOTES:

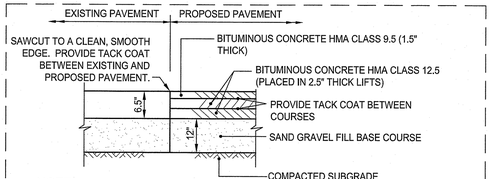
1. STOCKPILE AREA SHALL NOT EXCEED SPECIFIED DIMENSIONS WITHOUT APPROVAL FROM ENGINEER.
2. STOCKPILED ERODIBLE MATERIAL THAT WILL NOT BE USED FOR GREATER THAN 14 DAYS SHALL BE STABILIZED WITH TEMPORARY SEED IMMEDIATELY FOLLOWING PLACEMENT. USE RIDOT STD. M.18.10.5 SEED MIX.

ERODIBLE MATERIAL STOCKPILE
NOT TO SCALE



SEDIMENT MARKER DETAIL
NOT TO SCALE

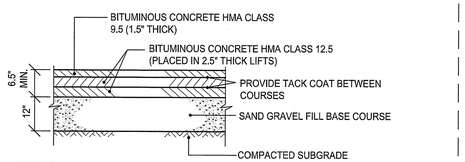
SEDIMENT FOREBAY CHECK DAM
NOT TO SCALE



NOTE:

1. SUBMIT JOB MIX FORMULAS TO ENGINEER FOR APPROVAL PRIOR TO PLACEMENT.
2. MINIMUM PAVEMENT COURSE THICKNESS SHALL BE MODIFIED TO MATCH EXISTING PAVEMENT THICKNESS SHOULD EXISTING PAVEMENT BE GREATER THAN THICKNESS SHOWN.

DRIVEWAY CUT AND MATCH DETAIL
NOT TO SCALE

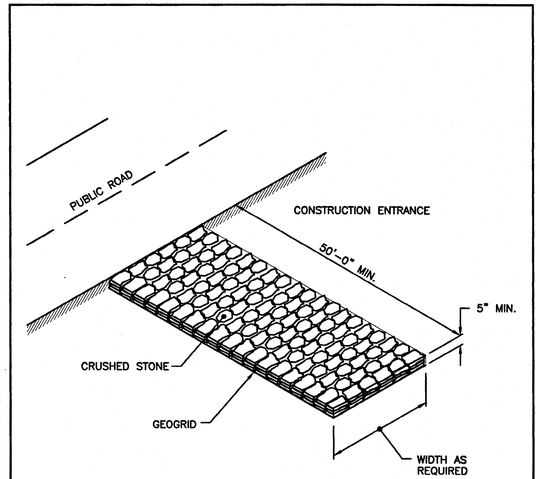


NOTES:

1. SUBMIT JOB MIX FORMULAS TO ENGINEER FOR APPROVAL PRIOR TO PLACEMENT.
2. MINIMUM PAVEMENT COURSE THICKNESS SHALL BE MODIFIED TO MATCH EXISTING PAVEMENT THICKNESS SHOULD EXISTING PAVEMENT BE GREATER THAN THICKNESS SHOWN.

FOR REFERENCE ONLY

STATE HIGHWAY HMA DETAIL
NOT TO SCALE



NOTE:
SHALL BE IN ACCORDANCE WITH SECTION 211 OF THE R.I. STANDARD SPECIFICATIONS.

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

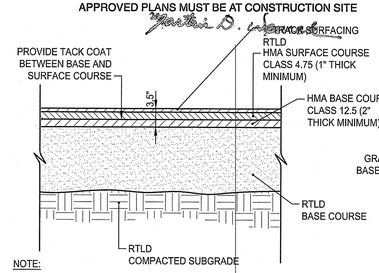
REVISIONS		
NO.	BY	DATE

CONSTRUCTION ACCESS

CHIEF ENGINEER TRANSPORTATION — CHIEF DESIGN ENGINEER TRANSPORTATION — JUNE 15, 1998 ISSUE DATE

R.I. STANDARD 9.9.0

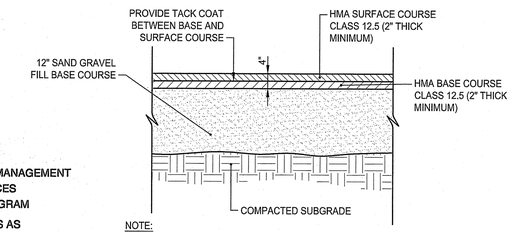
RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL
DATED: SEP 20 2024 FILE #: 24-0171
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Martin B. Lamarche, Supervising Environmental Scientist



NOTE:

1. SUBMIT JOB MIX FORMULAS TO ENGINEER FOR APPROVAL PRIOR TO PLACEMENT.

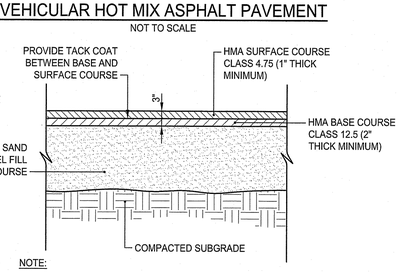
TRACK HOT MIX ASPHALT PAVEMENT
NOT TO SCALE



NOTE:

1. SUBMIT JOB MIX FORMULAS TO ENGINEER FOR APPROVAL PRIOR TO PLACEMENT.

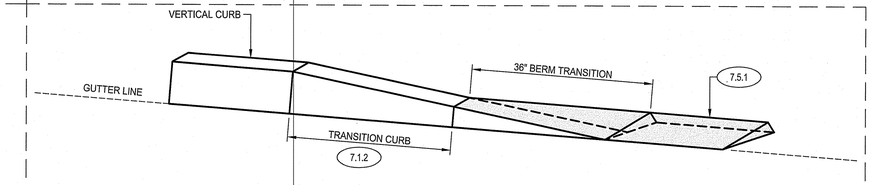
VEHICULAR HOT MIX ASPHALT PAVEMENT
NOT TO SCALE



NOTE:

1. SUBMIT JOB MIX FORMULAS TO ENGINEER FOR APPROVAL PRIOR TO PLACEMENT.

PEDESTRIAN HOT MIX ASPHALT PAVEMENT
NOT TO SCALE



BIT. BERM TRANSITION TO CURB
NOT TO SCALE

FOR REFERENCE ONLY

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SCALE ADJUSTMENT GUIDE
0" 1"
BAR IS ONE INCH ON ORIGINAL DRAWING

CASS PARK ATHLETIC FACILITY
344 CUMBERLAND HILL ROAD
WOONSOCKET, RHODE ISLAND

RI Department of Environmental Management
AUG 30 2024
Office of Water Resources

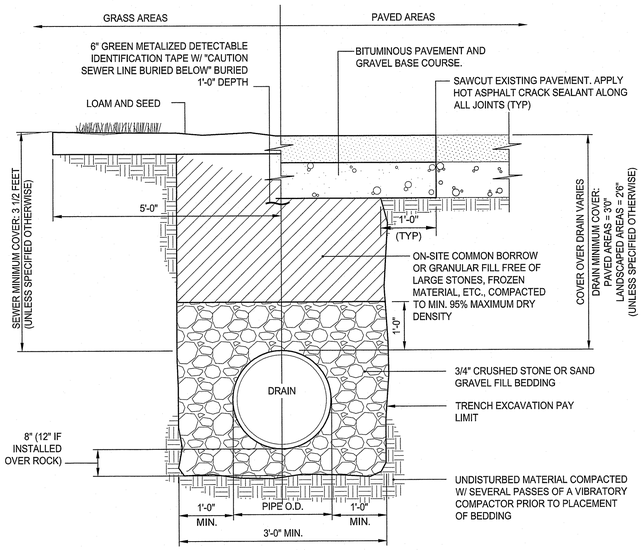
JOSEPH WEED
No. 11763
REGISTERED PROFESSIONAL ENGINEER (CIVIL)
9/9/24

REVISIONS:

1	08/28/2024	RIDEM RTC

PROJECT NO.:	21015.02
DATE:	JULY 2, 2024
SCALE:	NOT TO SCALE
DESIGNED BY:	DJLS/CVH
CHECKED BY:	JLW
DRAWN BY:	AKL
APPROVED BY:	JLW
DRAWING TITLE:	DETAILS 1
DRAWING NO.:	C5.1
SHEET NO.	17 OF 36

Z:\JOBS\21 Jobs\21015.02 Woonsocket - Cass Park Athletic Facilities-RI\DWGS\C5.0 DETAILS.dwg

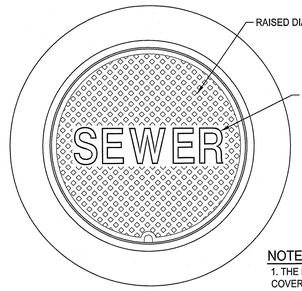


NOTES:

1. WHERE THE DISTANCE BETWEEN THE SAWCUT AND EDGE OF PAVEMENT IS 3' OR LESS, THE CONTRACTOR SHALL REPLACE THE PAVEMENT FROM THE TRENCH EDGE TO THE EXISTING EDGE OF PAVEMENT.
2. 3/4" DIA. CRUSHED STONE SHALL BE USED AS BEDDING WHERE TRENCH IS BELOW THE GROUND WATER TABLE.

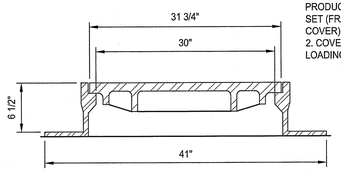
DRAIN/SEWER TRENCH DETAIL

NOT TO SCALE



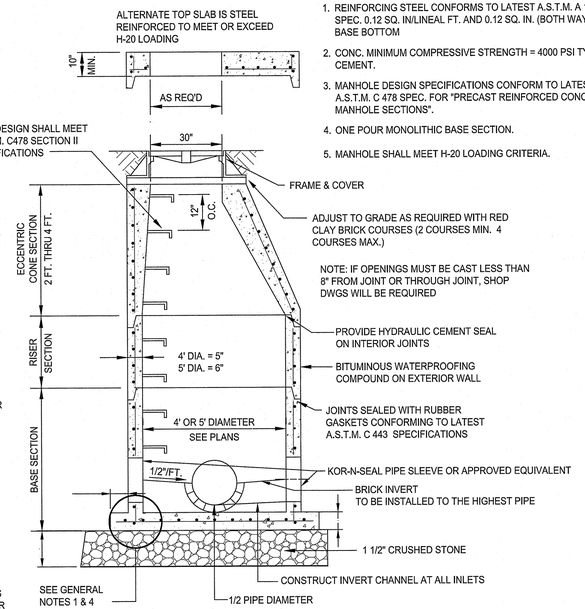
NOTE:

1. THE MANHOLE FRAME AND COVER SHALL BE EJCO PRODUCT NO. 2111Z 2110A1GS SET (FRAME AND 26" DIAMETER COVER).
2. COVER SHALL MEET H-20 LOADING CRITERIA



SANITARY MANHOLE FRAME & COVER

NOT TO SCALE

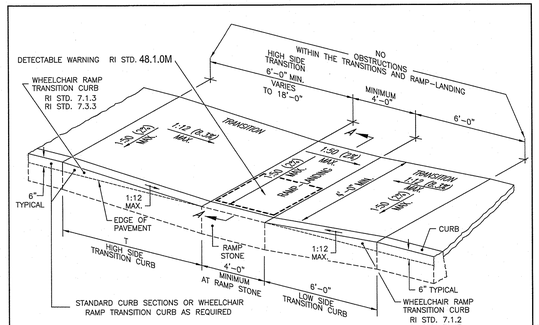


TYPICAL SEWER MANHOLE DETAIL

NOT TO SCALE

GENERAL NOTES:

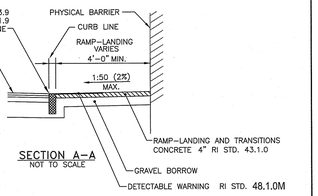
1. REINFORCING STEEL CONFORMS TO LATEST A.S.T.M. A 185 SPEC. 0.12 SQ. IN/LINEAL FT. AND 0.12 SQ. IN. (BOTH WAYS) BASE BOTTOM
2. CONC. MINIMUM COMPRESSIVE STRENGTH = 4000 PSI TYPE III CEMENT.
3. MANHOLE DESIGN SPECIFICATIONS CONFORM TO LATEST A.S.T.M. C 478 SPEC. FOR "PRECAST REINFORCED CONCRETE MANHOLE SECTIONS".
4. ONE POUR MONOLITHIC BASE SECTION.
5. MANHOLE SHALL MEET H-20 LOADING CRITERIA.



ISOMETRIC VIEW

NOT TO SCALE

ROADWAY PROFILE GRADE	T (FT.)
0.00	6.0
0.01	7.0
0.02	8.0
0.03	9.5
0.04	11.5
0.05	15.0
> 0.05	18.0



SECTION A-A

NOT TO SCALE

FOR REFERENCE ONLY

NOTES:

1. THIS DETAIL MAY BE USED WHEN A PHYSICAL BARRIER IS PRESENT AND THERE IS INSUFFICIENT ROOM TO PROPERLY CONSTRUCT AN ADA ACCESSIBLE RAMP AND LANDING. A TECHNICAL INFEASIBILITY FINDING IS REQUIRED.
2. SHALL BE IN ACCORDANCE WITH SECTION 905 OF THE RI STANDARD SPECIFICATIONS.
3. THE RAMP-LANDING AND TRANSITIONS SHALL BE FREE OF OBSTRUCTIONS.
4. LOCATION OF THE RAMP-LANDING IS AS SHOWN ON CONTRACT DRAWINGS.
5. AN UNOBSTRUCTED PEDESTRIAN ACCESS ROUTE (PATH OF TRAVEL) WITH A MINIMUM WIDTH OF 4'-0" SHALL BE MAINTAINED.
6. THE ENTRANCE OF THE RAMP-LANDING SHALL BE FLUSH WITH THE PAVEMENT.
7. MINIMUM LENGTH OF STRAIGHT OR CIRCULAR FILLER PIECES TO BE 3'-0" (GREATER LENGTHS PREFERRED).
8. ALL REQUIRED CUTTING OF CURB PIECES TO BE PAID FOR UNDER COST OF CURB.
9. DETECTABLE WARNINGS TO BE PAID FOR UNDER SECTION 942 OF THE RI STANDARD SPECIFICATIONS

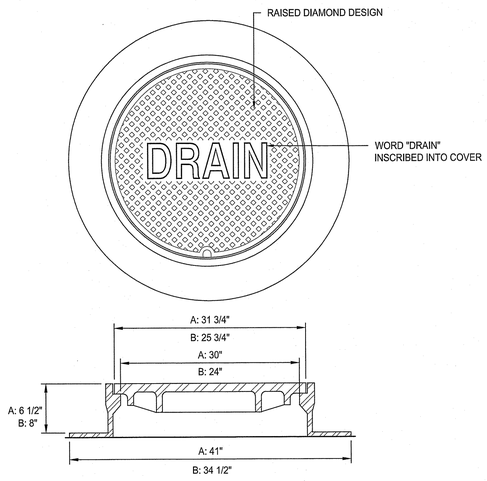
RHODE ISLAND DEPARTMENT OF TRANSPORTATION

REVISIONS		
NO.	BY	DATE

RAMP-LANDING FOR NARROW SIDEWALK

CHIEF ENGINEER TRANSPORTATION — CHIEF DESIGN ENGINEER TRANSPORTATION — MARCH 31, 2015 ISSUE DATE

R.I. STANDARD 43.3.2M

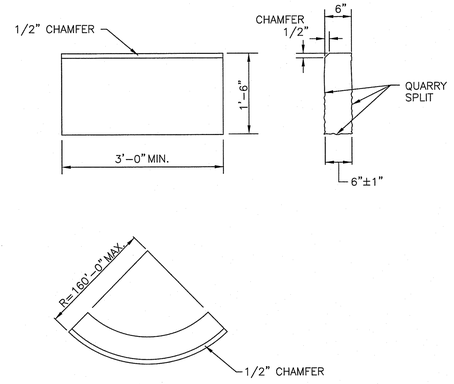


NOTES:

1. ALL FRAMES AND COVERS SHALL MEET H-20 LOADING CRITERIA.
2. PROVIDE:
   A: 30" DIA. DRAIN MANHOLE FRAME AND COVER SHALL BE NEENAH FOUNDRY, INC. MODEL #R-1557 OR APPROVED EQUIVALENT.
   B: 24" DIA. DRAIN MANHOLE FRAME AND COVER SHALL BE NEENAH FOUNDRY, INC. MODEL #R-1556 OR APPROVED EQUIVALENT.
3. ALL DRAIN MANHOLES SHALL HAVE 24" DIA. DRAIN MANHOLE COVER UNLESS NOTED OTHERWISE.

DRAIN MANHOLE FRAME & COVER

NOT TO SCALE



CIRCULAR CURB

NOTES:

1. SHALL BE IN ACCORDANCE WITH SECTION 906 OF THE R.I. STANDARD SPECIFICATIONS.
2. TOP SURFACE TO BE DRESSED BY SAW. REMAINDER MAY BE QUARRY SPLIT.
3. MINIMUM LENGTH OF STRAIGHT OR CIRCULAR PIECES TO BE 3'-0".
4. CIRCULAR CURB IS REQUIRED ON CURVES WITH RADII OF 160'-0" OR LESS. STRAIGHT CURB TO BE USED ON CURVES OF MORE THAN 160'-0" RADIUS.

FOR REFERENCE ONLY

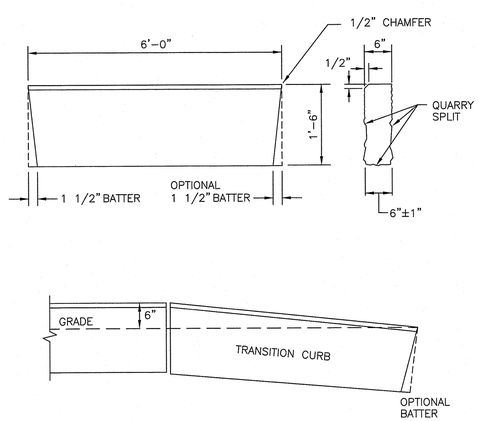
RHODE ISLAND DEPARTMENT OF TRANSPORTATION

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

GRANITE CURB

CHIEF ENGINEER TRANSPORTATION — CHIEF DESIGN ENGINEER TRANSPORTATION — JUNE 15, 1998 ISSUE DATE

R.I. STANDARD 7.3.0



NOTES:

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

FOR REFERENCE ONLY

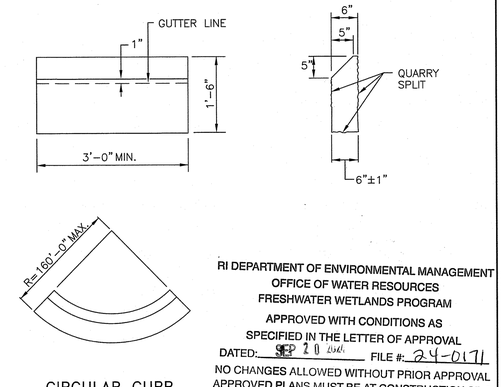
RHODE ISLAND DEPARTMENT OF TRANSPORTATION

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

6'-0" GRANITE TRANSITION CURB

CHIEF ENGINEER TRANSPORTATION — CHIEF DESIGN ENGINEER TRANSPORTATION — JUNE 15, 1998 ISSUE DATE

R.I. STANDARD 7.3.2



CIRCULAR CURB

NOTES:

1. SHALL BE IN ACCORDANCE WITH SECTION 906 OF THE R.I. STANDARD SPECIFICATIONS.
2. TOP SURFACE AND SLOPED SURFACE TO BE DRESSED BY SAW. REMAINDER TO BE QUARRY SPLIT.
3. MINIMUM LENGTH OF STRAIGHT OR CIRCULAR PIECES TO BE 3'-0".
4. CIRCULAR CURB IS REQUIRED ON CURVES WITH RADII OF 160'-0" OR LESS. STRAIGHT CURB TO BE USED ON CURVES OF MORE THAN 160'-0" RADIUS.

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

REVISIONS		
NO.	BY	DATE
1	MLP	Mar 05

GRANITE SLOPED FACE CURB

CHIEF ENGINEER TRANSPORTATION — CHIEF DESIGN ENGINEER TRANSPORTATION — JUNE 15, 1998 ISSUE DATE

R.I. STANDARD 7.4.0

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL
DATED: SEP 20 2024 FILE #: 24-0171
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Martin D. Wennerstrom

PARE

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(781) 326-2600 | activitas.com

SCALE ADJUSTMENT GUIDE
0" 1"
BAR IS ONE INCH ON ORIGINAL DRAWING

CASS PARK ATHLETIC FACILITY

344 CUMBERLAND HILL ROAD
WOONSOCKET, RHODE ISLAND

Received Office of Water Resources AUG 30 2024 State of Rhode Island

JOSEPH WEED 11763 REGISTERED PROFESSIONAL ENGINEER (CIVIL) 8/28/24

REVISIONS:

1	08/28/2024	RIDEM RTC

PROJECT NO.:	21015.02
DATE:	JULY 2, 2024
SCALE:	NOT TO SCALE
DESIGNED BY:	DJLS/CVH
CHECKED BY:	JLW
DRAWN BY:	AKL
APPROVED BY:	JLW

DRAWING TITLE:

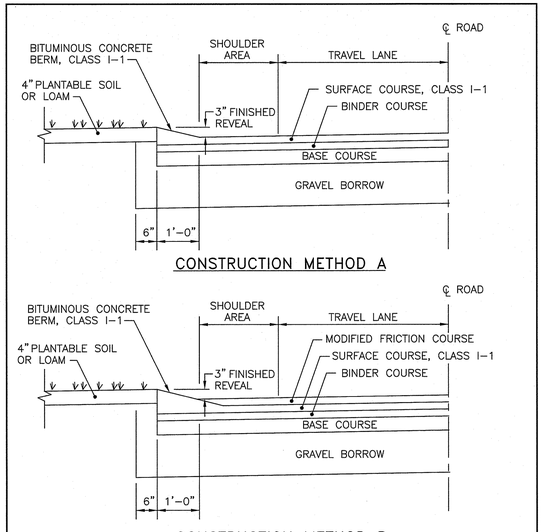
DETAILS 2

DRAWING NO.:

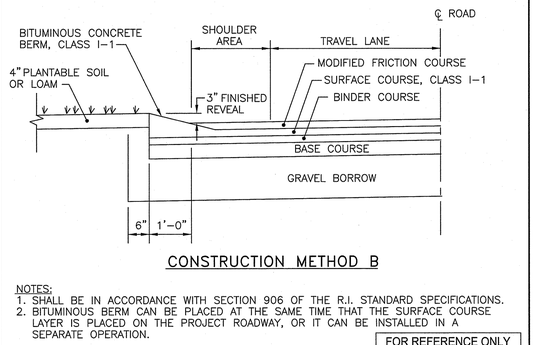
C5.2

SHEET NO. 18 OF 36

Z:\JOBS\21 Jobs\21015.02 Woonsocket - Cass Park Athletic Facilities-RI\DWGS\C5.0 DETAILS.dwg



CONSTRUCTION METHOD A



CONSTRUCTION METHOD B

NOTES:
1. SHALL BE IN ACCORDANCE WITH SECTION 906 OF THE R.I. STANDARD SPECIFICATIONS.
2. BITUMINOUS BERM CAN BE PLACED AT THE SAME TIME THAT THE SURFACE COURSE LAYER IS PLACED ON THE PROJECT ROADWAY, OR IT CAN BE INSTALLED IN A SEPARATE OPERATION.

FOR REFERENCE ONLY

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

REVISIONS		
NO.	BY	DATE
1	MLP	Mar 05

BITUMINOUS BERM

JUNE 15, 1998 (ISSUE DATE)

R.I. STANDARD 7.5.1

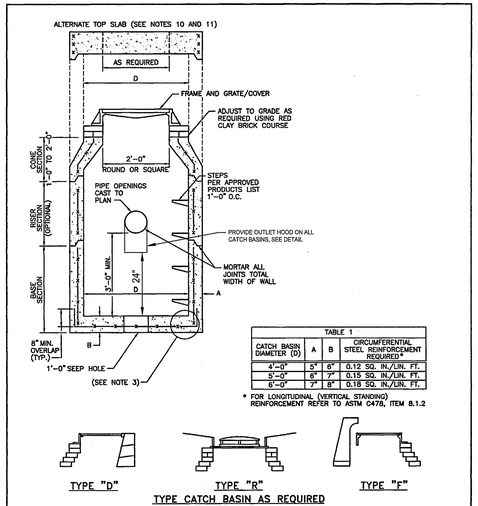


TABLE 1			
CATCH BASIN DIAMETER (D)	A	B	CIRCUMFERENTIAL STEEL REINFORCEMENT REQUIRED*
4'-0"	5"	6"	0.12 SQ. IN./LIN. FT.
5'-0"	6"	7"	0.15 SQ. IN./LIN. FT.
6'-0"	7"	8"	0.18 SQ. IN./LIN. FT.

* FOR LONGITUDINAL (VERTICAL STANDING) REINFORCEMENT REFER TO ASTM C478, ITEM 8.1.2

TYPE CATCH BASIN AS REQUIRED

NOTES:
1. SHALL BE IN ACCORDANCE WITH SECTION 702 OF THE R.I. STANDARD SPECIFICATIONS.
2. SEE TABLE 1 FOR STEEL REINFORCEMENT REQUIREMENTS.
3. STEEL REINFORCEMENT FOR BASE SECTION BOTTOM SHALL BE A MINIMUM OF 0.12 SQ. IN./LIN. FT.(BOTH WAYS).
4. STEPS SHALL CONFORM TO STD. 5.3.0 AND SHALL BE INSTALLED AT THE CASTING PLANT.
5. ONE POUR MONOLITHIC BASE SECTION.
6. ANY NECESSARY ADJUSTMENTS DURING CONSTRUCTION WILL BE DONE BY SAW-CUTTING AND/OR CORING ONLY. NO JACKHAMMERS, HAMMERS AND CHISELS OR PNEUMATIC TOOLS WILL BE ALLOWED.
7. CORBEL MADE OF RED CLAY BRICK WILL BE PERMITTED FOR THE "CONE SECTION" OF THE 4'-0"CATCH BASIN ONLY.
8. FOR CATCH BASIN TYPES "D" AND "F" STEPS MUST BE INSTALLED ON THE CURB SIDE OF THE STRUCTURE.
9. THE CENTERLINE OF THE OPENING MUST BE WITHIN 2'-0" FROM THE STEPS.
10. ALTERNATE TOP SLAB IS STEEL REINFORCED TO MEET OR EXCEED H-25 LOADING (SEE STD. 4.7.2).
11. ALTERNATE TOP SLAB IS ONLY FOR USE WHEN REDUCING SECTION DOES NOT FIT BECAUSE OF STRUCTURE DEPTH.
12. REFER TO STD. 5.2.0 FOR MAXIMUM PIPE SIZES.
13. PROVIDE SQUARE CATCH BASIN FRAME & GRATE ON ALL CATCH BASINS. UNLESS NOTED OTHERWISE

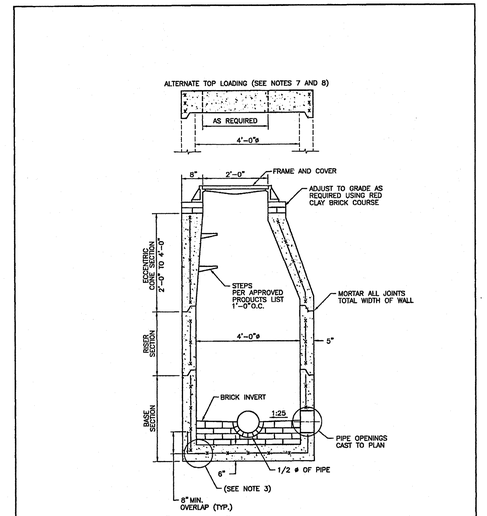
RHODE ISLAND DEPARTMENT OF TRANSPORTATION

REVISIONS		
NO.	BY	DATE

PRECAST 4'-0", 5'-0", OR 6'-0" ROUND CATCH BASIN

JUNE 15, 1998 (ISSUE DATE)

R.I. STANDARD 4.4.0M



NOTES:
1. SHALL BE IN ACCORDANCE WITH SECTION 702 OF THE R.I. STANDARD SPECIFICATIONS.
2. CIRCUMFERENTIAL STEEL REINFORCEMENT REQUIRED = 0.12 SQ. IN. / LIN. FT. MINIMUM.
3. STEEL REINFORCEMENT FOR BASE SECTION BOTTOM SHALL BE A MINIMUM OF 0.12 SQ. IN./LIN. FT. (BOTH WAYS).
4. ONE POUR MONOLITHIC BASE SECTION.
5. ANY NECESSARY ADJUSTMENTS DURING CONSTRUCTION WILL BE DONE BY SAW-CUTTING AND/OR CORING ONLY. NO JACKHAMMERS, HAMMERS AND CHISELS OR PNEUMATIC TOOLS WILL BE ALLOWED.
6. STEPS SHALL CONFORM TO STD. 5.3.0 AND SHALL BE INSTALLED AT THE CASTING PLANT.
7. ALTERNATE TOP SLAB IS STEEL REINFORCED TO MEET OR EXCEED H-25 LOADING (SEE STD. 4.7.2).
8. ALTERNATE TOP SLAB IS ONLY FOR USE WHEN REDUCING SECTION DOES NOT FIT BECAUSE OF STRUCTURE DEPTH.
9. REFER TO STD. 5.2.0 FOR MAXIMUM PIPE SIZES.

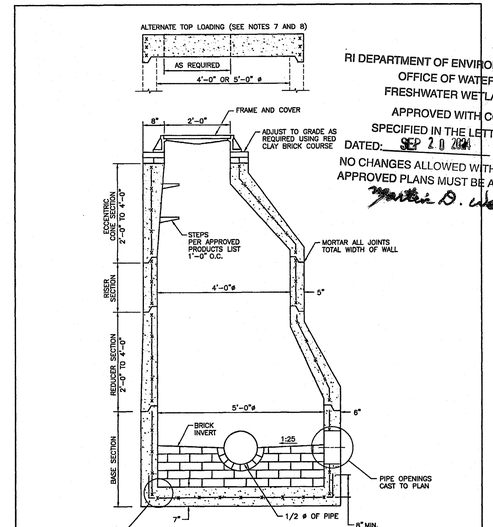
RHODE ISLAND DEPARTMENT OF TRANSPORTATION

REVISIONS		
NO.	BY	DATE

PRECAST 4'-0" ROUND MANHOLE

JUNE 15, 1998 (ISSUE DATE)

R.I. STANDARD 4.2.0



NOTES:
1. SHALL BE IN ACCORDANCE WITH SECTION 702 OF THE R.I. STANDARD SPECIFICATIONS.
2. CIRCUMFERENTIAL STEEL REINFORCEMENT REQUIRED = 0.15 SQ. IN./LIN. FT. MINIMUM.
3. STEEL REINFORCEMENT FOR BASE SECTION BOTTOM SHALL BE A MINIMUM OF 0.12 SQ. IN./LIN. FT. (BOTH WAYS).
4. ONE POUR MONOLITHIC BASE SECTION.
5. ANY NECESSARY ADJUSTMENTS DURING CONSTRUCTION WILL BE DONE BY SAW-CUTTING AND/OR CORING ONLY. NO JACKHAMMERS, HAMMERS AND CHISELS OR PNEUMATIC TOOLS WILL BE ALLOWED.
6. STEPS SHALL CONFORM TO STD. 5.3.0 AND SHALL BE INSTALLED AT THE CASTING PLANT.
7. ALTERNATE TOP SLAB IS STEEL REINFORCED TO MEET OR EXCEED H-25 LOADING (SEE STD. 4.7.2).
8. ALTERNATE TOP SLAB IS ONLY FOR USE WHEN REDUCING SECTION DOES NOT FIT BECAUSE OF STRUCTURE DEPTH.
9. REFER TO STD. 5.2.0 FOR MAXIMUM PIPE SIZES.

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

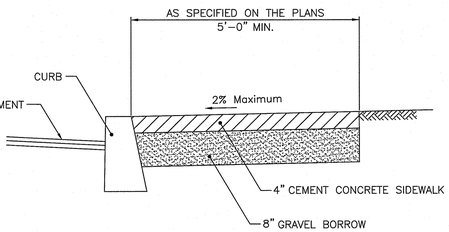
REVISIONS		
NO.	BY	DATE

PRECAST 5'-0" ROUND MANHOLE

JUNE 15, 1998 (ISSUE DATE)

R.I. STANDARD 4.2.1

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL
DATED: SEP 2 0 2024 FILE #: 24-0171
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Martin D. Wencek



NOTES
1. SHALL BE IN ACCORDANCE WITH SECTION 905 OF THE R.I. STANDARD SPECIFICATIONS.
2. FOR CURB SETTING DETAIL REFERENCE STD. 7.6.0.

FOR REFERENCE ONLY

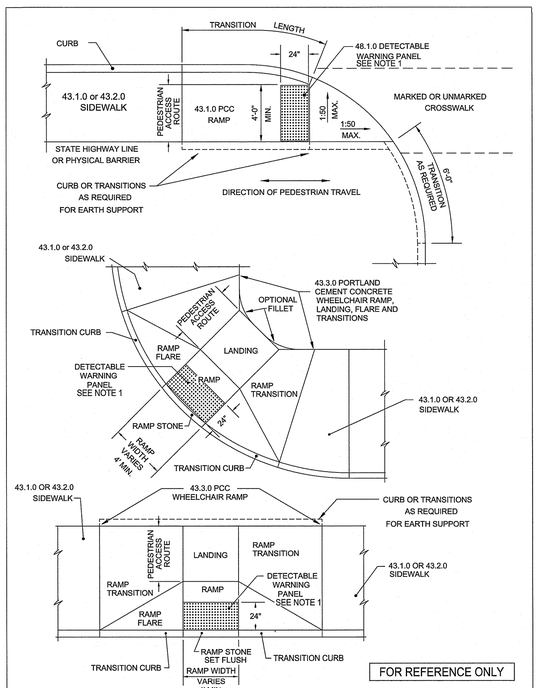
RHODE ISLAND DEPARTMENT OF TRANSPORTATION

REVISIONS		
NO.	BY	DATE
1	MLP	3/1/05
2	MLP	06/01/10

CEMENT CONCRETE SIDEWALK

JUNE 15, 1998 (ISSUE DATE)

R.I. STANDARD 43.1.0



FOR REFERENCE ONLY

NOTES
1. CONTRACTOR SHALL PROVIDE DETECTABLE WARNING PAVERS. REFER TO DETAIL. PLASTIC PANEL WILL NOT BE ACCEPTED.

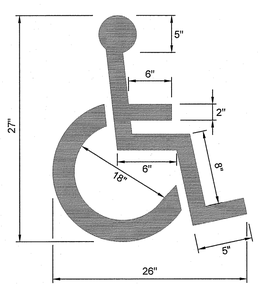
RHODE ISLAND DEPARTMENT OF TRANSPORTATION

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

DETECTABLE WARNING PANEL PLACEMENT

JUNE 15, 1998 (ISSUE DATE)

R.I. STANDARD 48.1.0M

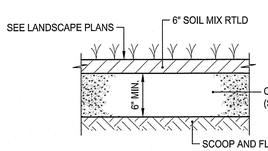


NOTE:
ACCESSIBLE PARKING AND SIGNAGE SHALL BE IN CONFORMANCE WITH THE RULES & REGULATIONS OF THE AMERICANS WITH DISABILITIES ACT.

ACCESSIBLE PAVEMENT MARKING

NOT TO SCALE

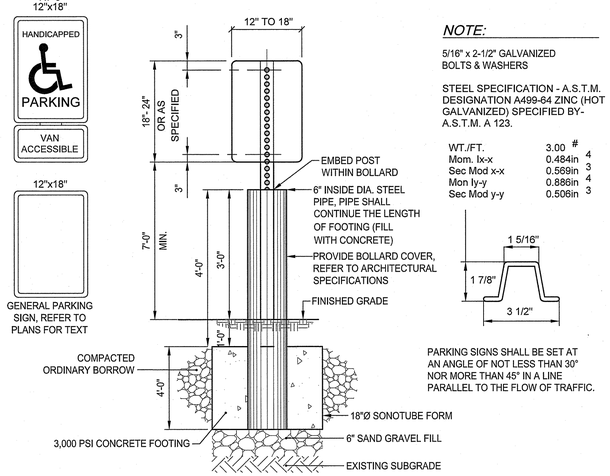
FOR REFERENCE ONLY



NOTE:
1. THE QPA SHALL BE EXCAVATED TO SUBGRADE MATERIAL THEN 12 " BELOW THE SUBGRADE SHALL BE SCOOPED AND FLIPPED PRIOR TO PLACING COMMON BORROW.
2. QUALIFYING PERVIOUS AREA SHALL BE CONSTRUCTED WITH A MAXIMUM SLOPE OF 5% PER THE STATE SPECIFICATIONS.

QUALIFYING PERVIOUS AREA DETAIL

NOT TO SCALE



NOTE:
5/16" x 2-1/2" GALVANIZED BOLTS & WASHERS

STEEL SPECIFICATION - A.S.T.M. DESIGNATION A499-64 ZINC (HOT GALVANIZED) SPECIFIED BY- A.S.T.M. A 123.

WT./FT.	3.00	#
Mom. Ix-x	0.484in	4
Sec Mod x-x	0.569in	3
Mon Iy-y	0.886in	4
Sec Mod y-y	0.506in	3

PARKING SIGNS SHALL BE SET AT AN ANGLE OF NOT LESS THAN 30° NOR MORE THAN 45° IN A LINE PARALLEL TO THE FLOW OF TRAFFIC.

SIGN MOUNTING NOTES:
1. ALL LAG SCREWS, BOLTS AND WASHERS SHALL BE GALVANIZED 5/16"x2 1/2" LONG UNLESS OTHERWISE NOTED.
2. WASHERS SHALL BE 0.07" THICK
3. ALL SIGN COLORS, RADII AND BORDERS AS SPECIFIED IN "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES."
4. SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.
5. PARKING SIGNS SHALL BE SET AT AN ANGLE OF NOT LESS THAN 30° NOT MORE THAN 45° WITH A LINE PARALLEL TO FLOW OF TRAFFIC, 1'-6" (1'-0" MIN.) FROM THE EDGE OF CURB FACE.

HANDICAP SIGN NOTES:
1. ALL HANDICAP PARKING AND SIGNAGE SHALL BE IN CONFORMANCE WITH THE RULES & REGULATIONS AS SPECIFIED BY THE AMERICAN DISABILITES ACT (ADA) AND VA SUPPLEMENT PC 18-13.
2. SIGN(S) SHALL BE LOCATED SO THEY CANNOT BE OBSCURED BY A VEHICLE PARKED IN THE SPACE.
3. FOR HANDICAPPED VAN SPACE USE SIGN AS DETAILED.
4. FOR HANDICAPPED SPACE FOR AUTOMOBILES USE ONLY HANDICAPPED PARKING SIGN.

FOR REFERENCE ONLY

SIGN WITH BOLLARD MOUNTING

NOT TO SCALE

PARE

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SCALE ADJUSTMENT GUIDE
0" 1"
BAR IS ONE INCH ON ORIGINAL DRAWING

CASS PARK ATHLETIC FACILITY
344 CUMBERLAND HILL ROAD
WOONSOCKET, RHODE ISLAND

RI Department of Environmental Management
AUG 0 5 2024
Office of Water Resources

JOSEPH WEED
No. 11763
REGISTERED PROFESSIONAL ENGINEER (CIVIL)
8/5/24

REVISIONS:

1	08/28/2024	RIDEM RTC

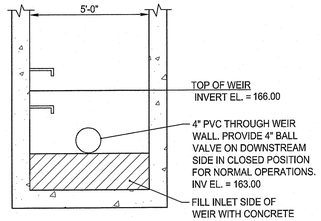
PROJECT NO.:	21015.02
DATE:	JULY 2, 2024
SCALE:	NOT TO SCALE
DESIGNED BY:	DJLS/CVH
CHECKED BY:	JLW
DRAWN BY:	AKL
APPROVED BY:	JLW

DRAWING TITLE:
DETAILS 3

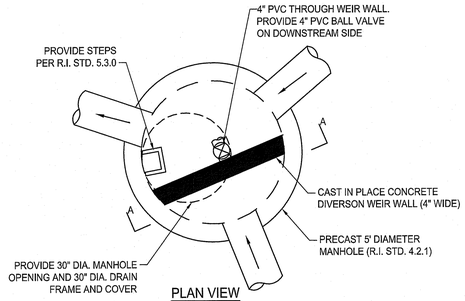
DRAWING NO.:
C5.3

SHEET NO. 19 OF 36

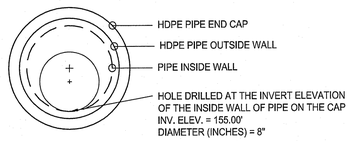
Z:_JOBS\21 Jobs\21015.02 Woonsocket - Cass Park Athletic Facilities-RI\DWGS\C5.0 DETAILS.dwg

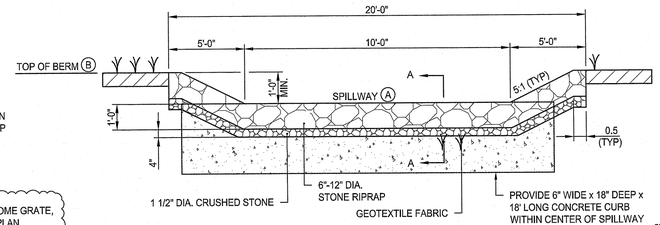


OCS-01 SECTION A-A WEIR WALL ELEVATION



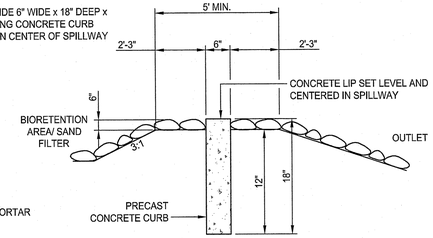
PLAN VIEW
(OCS-01)





BIO	2	3
(A)	163.50	158.75
(B)	164.50	159.75

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL
DATED: SEP 20 2024 FILE #: 24-0171
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

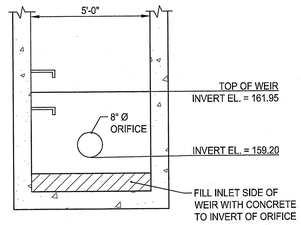


SECTION A-A

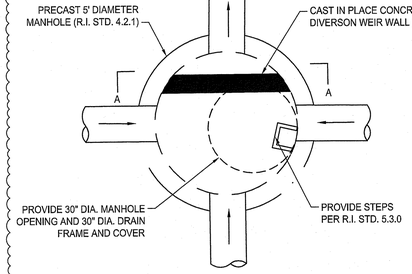
NOTE:

CONTRACTOR SHALL FILL VOIDS BETWEEN CURB SECTIONS WITH MORTAR

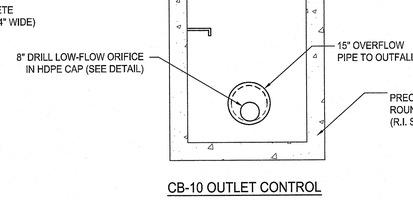
RIPRAP SPILLWAY DETAIL
NOT TO SCALE



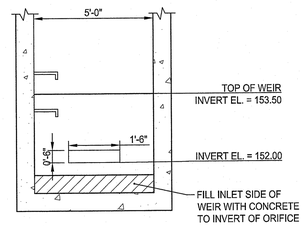
OCS-02 SECTION A-A WEIR WALL ELEVATION (NIC)



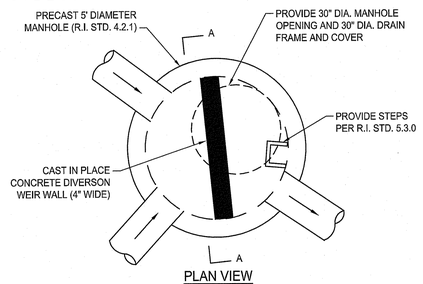
PLAN VIEW
(OCS-02)



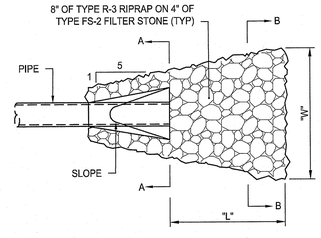
CB-10 OUTLET CONTROL



OCS-3 SECTION A-A WEIR WALL ELEVATION (NIC)

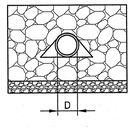


PLAN VIEW
(OCS-03)

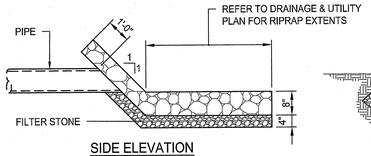


PLAN

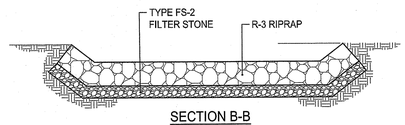
FES	L	W
1	4.0'	5.7'
2	4.0'	5.7'



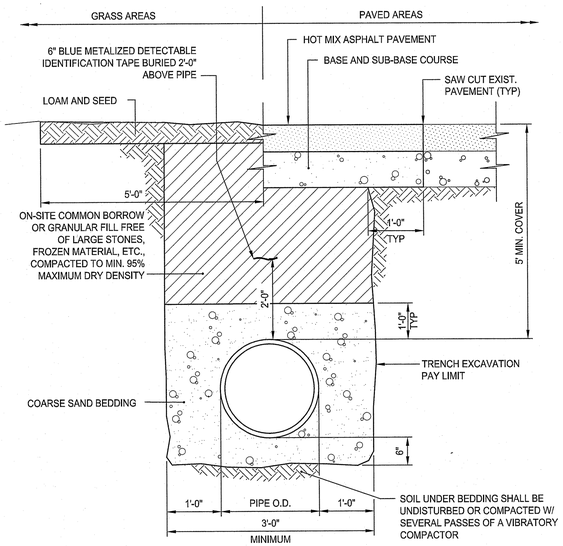
SECTION A-A



SIDE ELEVATION



SECTION B-B

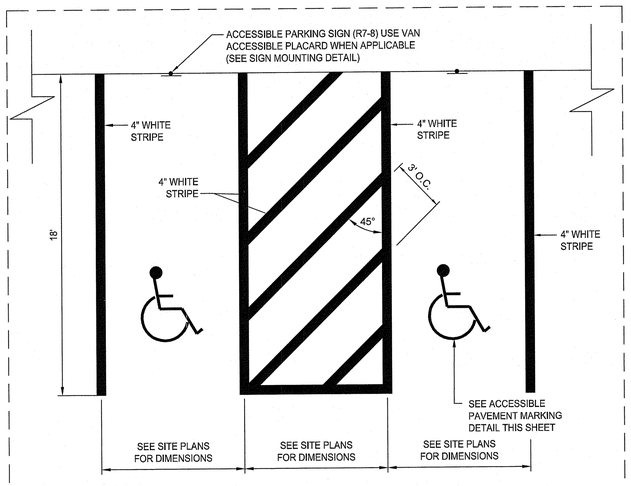


NOTES:

1. WHERE THE DISTANCE BETWEEN THE SAWCUT AND EDGE OF PAVEMENT IS 3' OR LESS, THE CONTRACTOR SHALL REPLACE THE PAVEMENT FROM THE TRENCH EDGE TO THE EXISTING EDGE OF PAVEMENT.
2. PIPE SHALL BE BEDDED IN 3/4-INCH CRUSHED STONE IF WITHIN GROUNDWATER.

TYPICAL WATER MAIN TRENCH DETAIL
NOT TO SCALE

OUTLET CONTROL STRUCTURE (OCS)
NOT TO SCALE



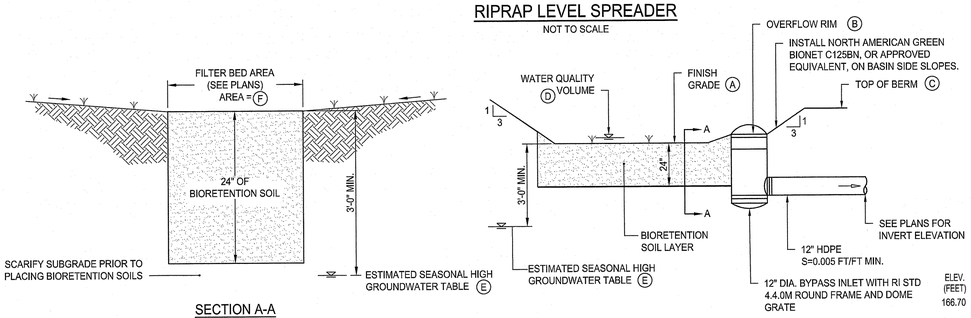
NOTES:

1. ALL PAVEMENT MARKINGS TO BE EPOXY RESIN.

FOR REFERENCE ONLY

ACCESSIBLE PARKING STALLS @ 90°
NOT TO SCALE

RIPRAP LEVEL SPREADER
NOT TO SCALE



SECTION A-A

BIORETENTION SOIL: 85-88% SAND, 8-12% SILT, 3-5% COMPOST ORGANIC CONTENT SHALL BE 1.5%-3%

BIORETENTION VEGETATION: BIORETENTION AREA TO BE SEEDED WITH NEW ENGLAND WETLAND SEED MIX (WETLAND SEED MIX PER NEW ENGLAND WETLAND PLANTS, INC. OR APPROVED EQUIVALENT) - APPLICATION RATE: 1 LB /2500 SQUARE FEET

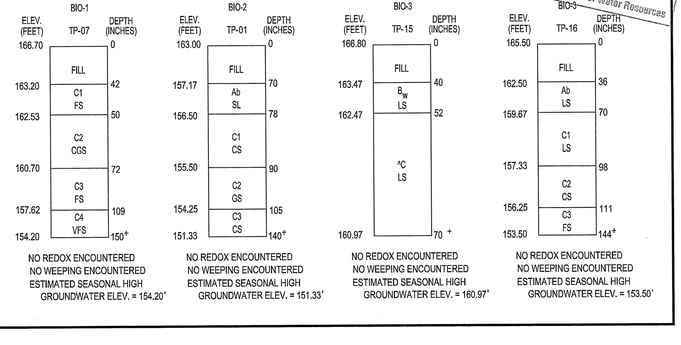
BIO	1	2	3
(A)	163.00	162.00	157.00
(B)	164.00	162.75	157.50
(C)	167.00	164.50	159.75
(D)	3,759	2,003	1,893
(E)	154.20	151.33	152.17*
(F)	1,617 SF	1,013 SF	1,362 SF

*ESHGW BASED ON 70" BELOW HIGHEST EXISTING GRADE WITHIN INFILTRATION AREA (158.0')
TP-15 & TP-16

NOTES:

1. DRAIN BASINS SHALL BE CUSTOM MANUFACTURED FOR THE PROJECT WITH THE INLETS & OUTLETS REQUIRED.
2. DRAIN BASINS SHALL BE CONSTRUCTED OF HIGH DENSITY POLYETHYLENE.
3. ESHGT WAS DETERMINED BY OBSERVED REDOX IN SOIL FROM TEST PIT DATA PERFORMED ON MAY 9, 2024.
4. HARDWOOD MULCH LAYER OMITTED TO ACCOMMODATE VEGETATIVE SEED APPLICATION.

BIORETENTION DETAIL
NOT TO SCALE



RI Environmental Management
SEP 13 2024
Office of Water Resources

PARE

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SCALE ADJUSTMENT GUIDE
0" 1"
BAR IS ONE INCH ON ORIGINAL DRAWING

CASS PARK ATHLETIC FACILITY

344 CUMBERLAND HILL ROAD
WOONSOCKET, RHODE ISLAND

JOSEPH WEED
No. 11763
9/4/24
REGISTERED PROFESSIONAL ENGINEER (CIVIL)

REVISIONS:

1	08/28/2024	RIDEM RTC
2	9/16/2024	RIDEM RTC-2

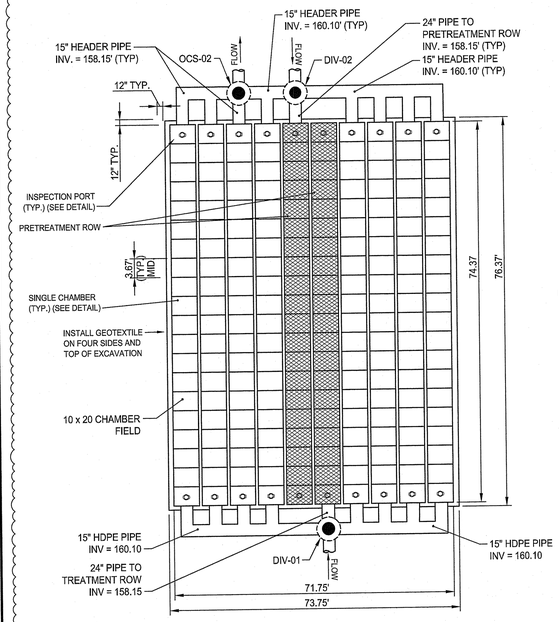
PROJECT NO.:	21015.02
DATE:	JULY 2, 2024
SCALE:	NOT TO SCALE
DESIGNED BY:	DJLS/CVH
CHECKED BY:	JLW
DRAWN BY:	AKL
APPROVED BY:	JLW

DRAWING TITLE: DETAILS 4

DRAWING NO.: C5.4

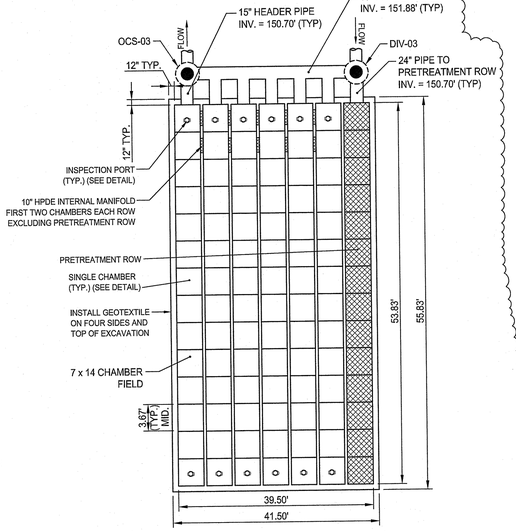
SHEET NO. 20 OF 36

Z:\...\08BS\21 Jobs\21015.02 Woonsocket - Cass Park Athletic Facilities--RI\DWGS\...Archive\24.08.28 RIDEM RTC\C5.0 DETAILS.dwg



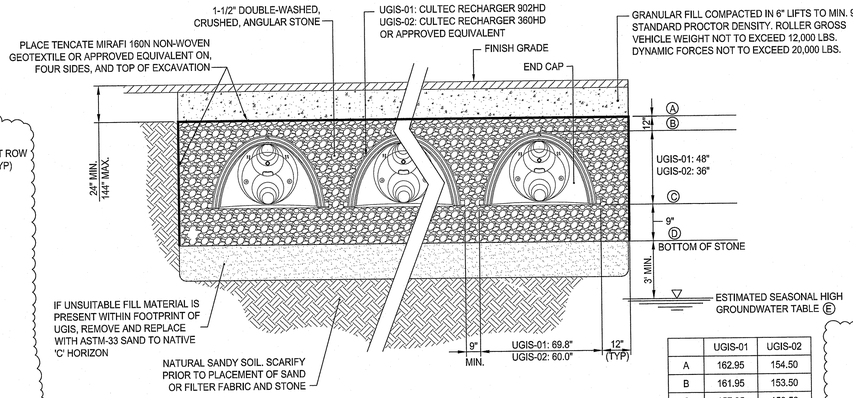
UNDERGROUND INFILTRATION SYSTEM 01 PLAN VIEW (NIC)

NOT TO SCALE



UNDERGROUND INFILTRATION SYSTEM 02 PLAN VIEW (NIC)

NOT TO SCALE



	UGIS-01	UGIS-02
A	162.95	154.50
B	161.95	153.50
C	157.95	150.50
D	157.20	149.75
E	154.20	146.25

UGIS-01

ELEV. (FEET)	TP-10	DEPTH (INCHES)
166.20		0
	FILL	
164.20		24
	C1 CS	
162.87		40
	C2 CS	
160.20		72
	C3 S	
154.20		144+

NO REDOX ENCOUNTERED
NO WEEPING ENCOUNTERED
ESTIMATED SEASONAL HIGH
GROUNDWATER ELEV. = 154.20'+

UGIS-02

ELEV. (FEET)	TP-11	DEPTH (INCHES)
156.25		0
	FILL	
150.67		67
	C CS	
146.25		120+

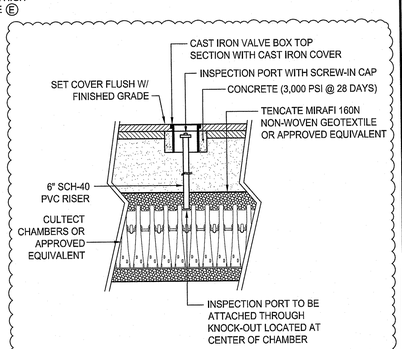
NO REDOX ENCOUNTERED
NO WEEPING ENCOUNTERED
ESTIMATED SEASONAL HIGH
GROUNDWATER ELEV. = 146.25'+

NOTES:

1. CONTRACTOR SHALL TAKE PRECAUTION NOT TO COMPACT SUBGRADE.
2. CONTRACTOR SHALL NOT PLACE OR OPERATE MACHINERY ON SUBGRADE.
3. CONTRACTOR SHALL NOTIFY ENGINEER (48 HRS MIN) PRIOR TO EXPOSING SUBGRADE TO SCHEDULE OBSERVATION.
4. ONCE CONTRACTOR HAS SUBGRADE EXPOSED, THE ENGINEER SHALL BE CONTACTED FOR OBSERVATION
5. CONSTRUCTION OF THE SYSTEM SHALL NOT COMMENCE UNTIL ENGINEER OBSERVES SUBGRADE AND CRUSHED STONE AND GRANTS PERMISSION TO PROCEED.
6. CONTRACTOR SHALL INSTALL UNDERGROUND INFILTRATION SYSTEM PER MANUFACTURERS RECOMMENDATIONS.

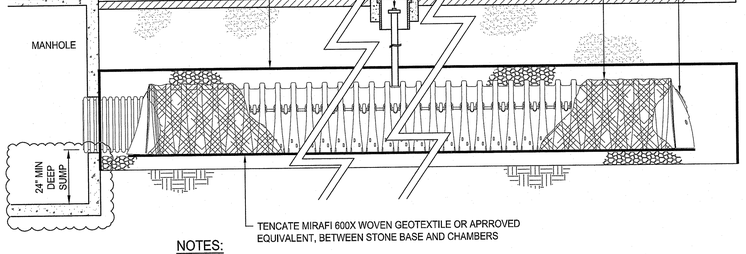
UNDERGROUND INFILTRATION SYSTEM DETAIL (NIC)

NOT TO SCALE



INSPECTION PORT DETAIL (NIC)

NOT TO SCALE

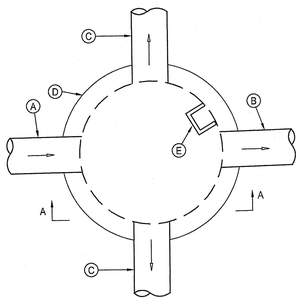


NOTES:

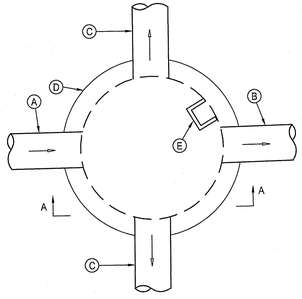
PRETREATMENT ROW CONSTRUCTION IS THE SAME AS OTHER ROWS WITH THE EXCEPTION OF THE WOVEN AND NON-WOVEN GEOTEXTILES BEING PLACED BENEATH AND AROUND THE ROW RESPECTIVELY.

PRETREATMENT ROW DETAIL (NIC)

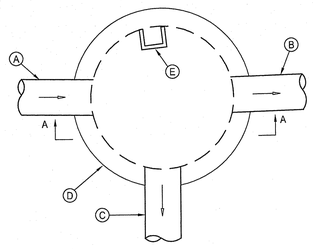
NOT TO SCALE



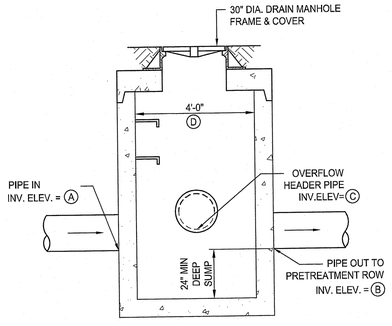
DIV-1 (NIC)



DIV-2 (NIC)



DIV-3 (NIC)



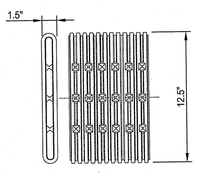
SECTION A-A DIVERSION WEIR WALL ELEVATION

- (A) PIPE IN
- (B) PIPE OUT TO PRETREATMENT ROW
- (C) OVERFLOW HEADER PIPE
- (D) PRECAST 4' DIAMETER MANHOLE (RIDOT STANDARD 4.2.0)
- (E) PROVIDE STEPS PER RIDOT STANDARD 4.2.1

	A	B	C
DIV-1 (NIC)	158.20	158.15	160.10 160.10
DIV-2 (NIC)	158.20	158.15	160.10 160.10
DIV-3 (NIC)	150.05	150.70	151.88

TYPICAL DIVERSION MANHOLE DETAIL

NOT TO SCALE



SLOT LENGTH (AVG), IN.= 1.125
SLOT WIDTH (AVG), IN.= 0.125
WATER INLET AREA (APPROX), IN.^{2}/FT = 20

Fabric Properties	Test Method	Minimum Average Roll Values
Grab Tensile Strength (lbs.) (weakest principle direction)	ASTM D4632	120
Grab Elongation (%) (weakest principle direction)	ASTM D4633	60
Trapezoidal Tear (lbs.) (weakest principle direction)	ASTM D4533	40
Puncture (lbs.)	ASTM D3786	30
Permittivity (sec^{-1})	ASTM D4491	0.7
AOS (U.S. Sieve Size)	ASTM D4751	60
U.V. Resistance	ASTM D4355	70

NOTES:

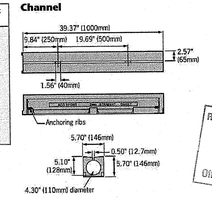
1. DRAIN SHALL HAVE ANNULAR INTERIOR AND EXTERIOR CORRUGATIONS AND SHALL MEET ASTM D7001.
2. OUTSIDE DIMENSIONS SHALL BE 1.5" THICK BY 12.5" WIDE. SHALL HAVE INTERNAL BRACING ADJOINING EACH LONG WALL TO PREVENT CRUSHING UNDER TYPICAL LOADING.
3. ALL PIPE AND FITTINGS SHALL BE MADE OF POLYETHYLENE WITH A MINIMUM CELL CLASSIFICATION OF 424420C AS DEFINED AND DESCRIBED IN ASTM D3350.
4. DRAIN SHALL BE WRAPPED AS REQUIRED IN GEOTEXTILE FABRIC PER MANUFACTURER'S RECOMMENDATIONS.

FLAT DRAIN

NOT TO SCALE

	Part No	Length in (mm)	Overall Depth in (mm)	Weight lbs
System 3000 Channels				
Straight	05657	39.37 (1000)	5.7 (146)	43.0
Radius	05658	39.37 (1000)	5.7 (146)	43.0
In-line Catch Basin				
Catch basin	05625	21.8 (552)	20.8 (528)	64.5
Polymer concrete cover	05661	19.69 (500)	1.64 (42)	9.0
Plastic trash bucket	01498	17.5 (448)	-	1.1
Safety Edge System - black TPE rubber				
SE Channel - straight	05663	39.37 (1000)	5.7 (146)	43.0
SE In-line catch basin	05664	21.8 (552)	20.8 (528)	64.5

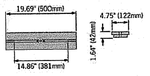
Channel



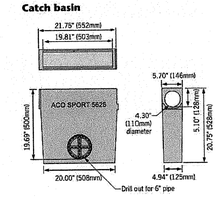
Catch basin flow rates

Outlet	Outlet Size	Invert Depth	GPM	CFS
A	5" round	19.69"	500	1.11

Catch basin cover



Catch basin



SLOT DRAIN AND SLOT DRAIN CATCH BASIN

NOT TO SCALE

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS
SPECIFIED IN THE LETTER OF APPROVAL
DATED: SEP 20 2024 FILE #: 24-0171
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Martin D. Wennek

RI Environmental Management
SEP 13 2024
Office of Water Resources

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SCALE ADJUSTMENT GUIDE
0" 1"
BAR IS ONE INCH ON ORIGINAL DRAWING

CASS PARK ATHLETIC FACILITY

344 CUMBERLAND HILL ROAD
WOONSOCKET, RHODE ISLAND

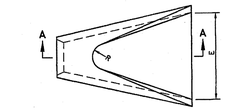
JOSEPH WEED
No. 11763
9/16/24
REGISTERED
PROFESSIONAL ENGINEER
(CIVIL)

REVISIONS:

1	08/28/2024	RIDEM RTC
2	9/16/2024	RIDEM RTC-2

PROJECT NO.:	21015.02
DATE:	JULY 2, 2024
SCALE:	NOT TO SCALE
DESIGNED BY:	DJLS/CVH
CHECKED BY:	JLW
DRAWN BY:	AKL
APPROVED BY:	JLW
DRAWING TITLE:	DETAILS 5
DRAWING NO.:	C5.5
SHEET NO.	21 OF 36

Z:\JOBS\21 Jobs\21015.02 Woonsocket - Cass Park Athletic Facilities-RI\DWGS_Archive\24.08.28 RIDEM RTC\C5.0 DETAILS.dwg



SECTION A–A

END ELEVATION

DIMENSIONS								REINFORCEMENT
DIA.	A	B	C	D	E	R	T	ONE LAYER REINFORCEMENT IN CENTER OF WALL MIN. AREA OF EACH WAY (SQ. IN./FT.)
1'-0"	4"	2'-0"	4'-0 7/8"	6'-0 7/8"	2'-0"	9"	2"	0.048
1'-3"	6"	2'-3"	3'-10"	6'-1"	2'-6"	11"	2 1/4"	0.054
1'-6"	9"	2'-3"	3'-10"	6'-1"	3'-0"	12"	2 1/2"	0.060
2'-0"	9 1/2"	3'-7 1/2"	2'-6"	6'-1 1/2"	4'-0"	1'-2"	3"	0.072
2'-6"	1'-0"	4'-6"	1'-7 3/4"	6'-1 3/4"	5'-0"	1'-3"	3 1/2"	0.084
3'-0"	1'-3"	5'-3"	0'-10 3/4"	6'-1 3/4"	6'-0"	1'-8"	4"	0.096
3'-6"	1'-9"	5'-3"	2'-11"	8'-2"	6'-6"	1'-10"	4 1/2"	0.108
4'-0"	2'-0"	6'-0"	2'-2"	8'-2"	7'-0"	1'-10"	5"	0.120
4'-6"	2'-3"	5'-5"	2'-11"	8'-4"	7'-6"	2'-0"	5 1/2"	0.132
5'-0"	2'-6"	5'-0"	3'-3"	8'-3"	8'-0"	2'-0"	6"	0.144

NOTE:
SHALL BE IN ACCORDANCE WITH SECTION 701 OF THE R.I. STANDARD SPECIFICATIONS.

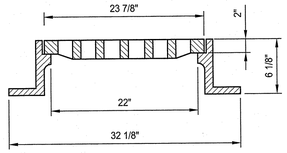
RHODE ISLAND DEPARTMENT OF TRANSPORTATION

REVISIONS		
NO.	BY	DATE

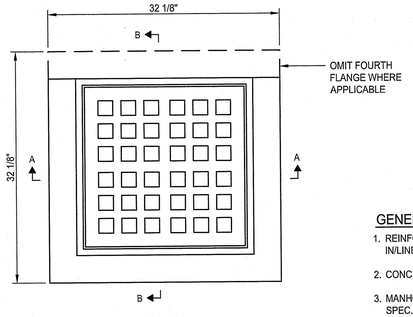
PRECAST CONCRETE FLARED END SECTION

R.I. STANDARD 2.3.0

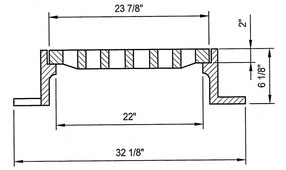
JUNE 15, 1998
SIGNE DATE



SECTION A-A



PLAN



SECTION B-B

NOTES:

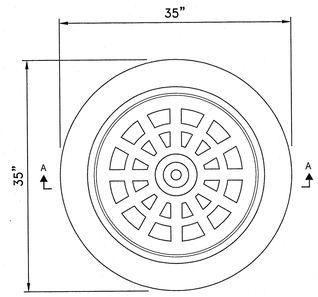
1. NEENAH FOUNDRY R-3405-A OR APPROVED EQUIVALENT.
2. FRAME AND GRATE SHALL MEET H-20 LOADING CRITERIA.

GENERAL NOTES:

1. REINFORCING STEEL CONFORMS TO LATEST A.S.T.M. A 185 SPEC. 0.12 SQ. IN/LINEAL FT. AND 0.12 SQ. IN. (BOTH WAYS) BASE BOTTOM
2. CONC. MINIMUM COMPRESSIVE STRENGTH = 4000 PSI TYPE III CEMENT.
3. MANHOLE DESIGN SPECIFICATIONS CONFORM TO LATEST A.S.T.M. C 478 SPEC. FOR "PRECAST REINFORCED CONCRETE MANHOLE SECTIONS".
4. PROVIDE ONE POUR 6" THICK REINFORCED MONOLITHIC BASE SECTION.
5. MANHOLE SHALL MEET H-20 LOADING CRITERIA.
6. ALL LIFTING HOLES TO BE PLUGGED IN AND OUT WITH HYDRAULIC CEMENT
7. MANHOLES SHALL HAVE 6" THICK WALLS.

SQUARE CATCH BASIN FRAME & GRATE

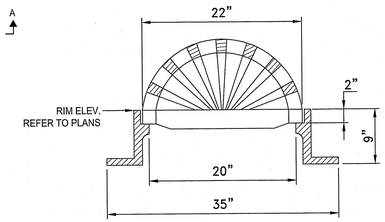
NOT TO SCALE



PLAN

NOTES:

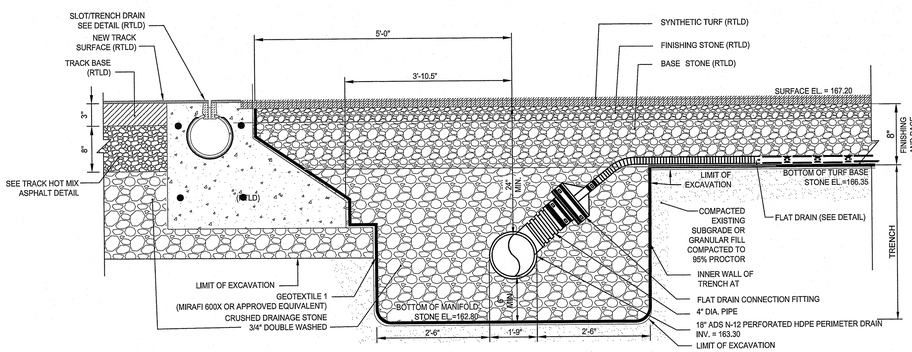
1. NEENAH FOUNDRY R-2560 OR APPROVED EQUIVALENT.
2. FRAME AND GRATE SHALL MEET H-20 LOADING CRITERIA.

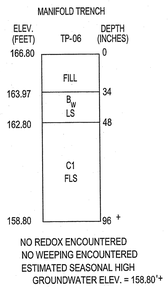


SECTION A-A

ROUND FRAME & DOME GRATE FOR CB-09 & CB-10

NOT TO SCALE





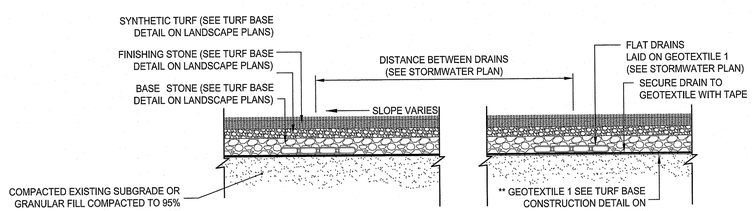
NO REDOX ENCOUNTERED
NO WEEPING ENCOUNTERED
ESTIMATED SEASONAL HIGH GROUNDWATER ELEV. = 158.80'+

NOTE:

1. CONTRACTOR SHALL EXCAVATE TO SUBGRADE AND NOTIFY OWNER'S REPRESENTATIVE PRIOR TO BACKFILLING OR OVER-EXCAVATING TO REMOVE ANY UNANTICIPATED UNSUITABLE SOILS.
2. FOLLOWING APPROVAL BY THE OWNERS REPRESENTATIVE THE CONTRACTOR SHALL OVER-EXCAVATE TO C1 LAYER TO REMOVE ANY UNCLASSIFIED FILL AND LOAM LAYERS WITHIN SYNTHETIC TURF AND TRACK FOOTPRINT. BACKFILL WITH GRANULAR FILL COMPACTED TO 95%.
3. OVER-EXCAVATION BEYOND THE LIMIT OF OF EXCAVATION SHALL BE CONSIDERED UNANTICIPATED UNSUITABLE SOILS. REFER TO SPECIFICATION 31 00 00 EARTHWORK FOR DETERMINING QUANTITIES AND OTHER REQUIREMENTS WHEN UNANTICIPATED UNSUITABLE SOIL CONDITIONS AREA ENCOUNTERED.

SYNTHETIC TURF PERIMETER MANIFOLD DETAIL

NOT TO SCALE



FLAT DRAINS UNDER SYNTHETIC TURF FIELD

NOT TO SCALE

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS
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DATED: SEP 20 2024 FILE #: 24-0171
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RI Environmental Management
AUG 30 2024
Water Resources

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SCALE ADJUSTMENT GUIDE
0" 1"
BAR IS ONE INCH ON ORIGINAL DRAWING

CASS PARK ATHLETIC FACILITY

344 CUMBERLAND HILL ROAD
WOONSOCKET, RHODE ISLAND

JOSEPH WEED
No. 11763
9/9/25
REGISTERED PROFESSIONAL ENGINEER (CIVIL)

REVISIONS:		
1	08/28/2024	RIDEM RTC

PROJECT NO.:	21015.02
DATE:	JULY 2, 2024
SCALE:	NOT TO SCALE
DESIGNED BY:	DJLS/CVH
CHECKED BY:	JLW
DRAWN BY:	AKL
APPROVED BY:	JLW

DRAWING TITLE:
DETAILS 6

DRAWING NO.:
C5.6

SHEET NO. 22 OF 36

Z:_08BS_21 Jobs\21015.02 Woonsocket - Cass Park Athletic Facilities-RI\DWGS\C5.0 DETAILS.dwg

LAYOUT AND MATERIALS LEGEND

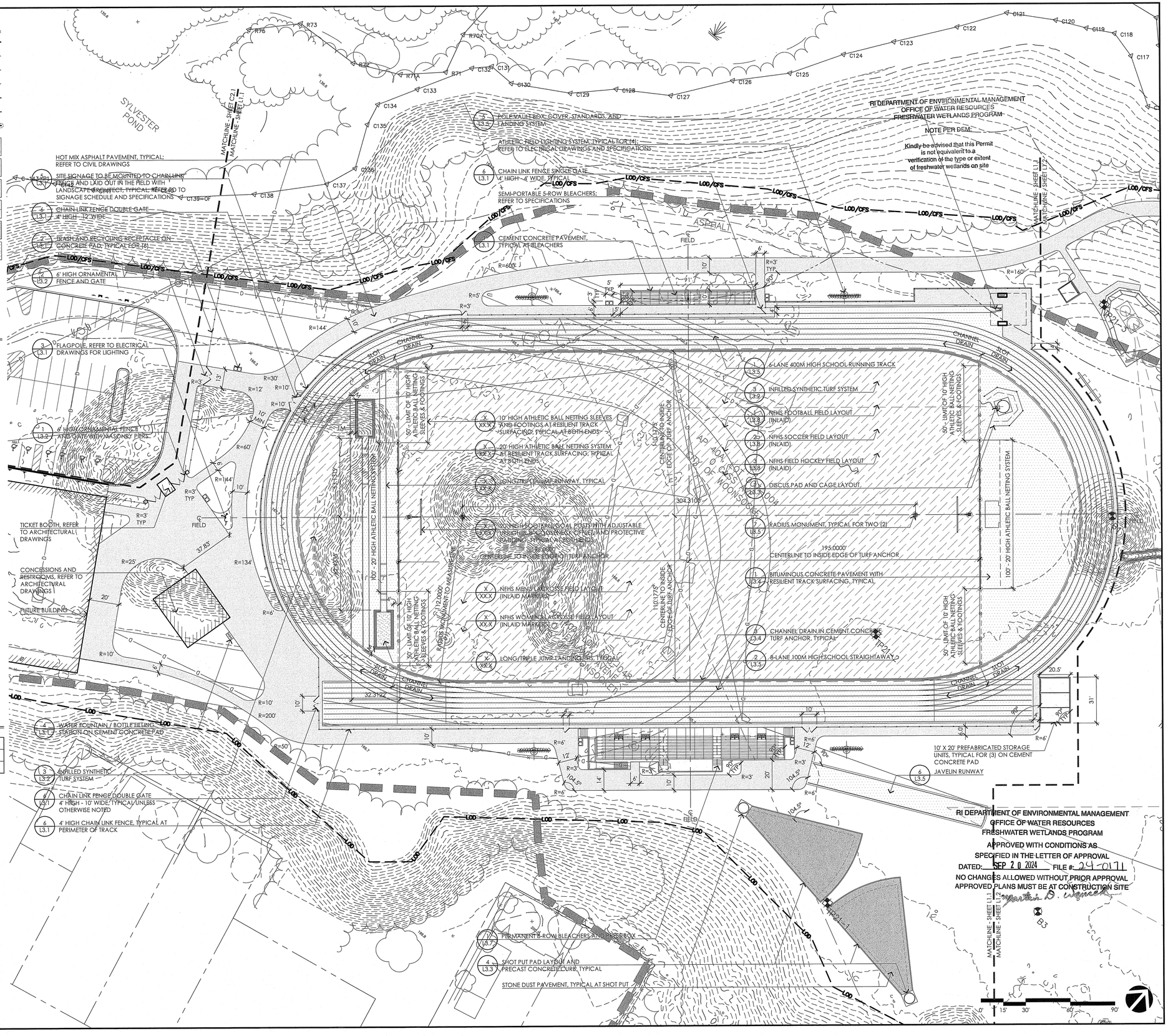
- APPROXIMATE LIMIT OF DISTURBANCE — LOD
- WETLAND EDGE — C124
- 50' BUFFER ZONE
- 100' BUFFER ZONE AND JURISDICTIONAL AREA
- CHAIN LINK FENCE
- ORNAMENTAL FENCE
- ATHLETIC BALL NETTING SYSTEM
- INFILLED SYNTHETIC TURF SYSTEM
- RESILIENT TRACK SURFACING
- HOT MIX ASPHALT PAVEMENT
- CEMENT CONCRETE PAVEMENT
- STONE DUST PAVEMENT
- SAND
- RADIUS MONUMENT
- TRASH AND RECYCLING RECEPTACLES ON CONCRETE PAD
- ATHLETIC FIELD LIGHTING POLE

LAYOUT AND MATERIALS NOTES

1. EXISTING CONDITIONS INFORMATION IS REPRODUCED FROM THE SURVEY PREPARED BY PARE CORPORATION, LOCATED AT 8 BLACKSTONE VALLEY PLACE, LINCOLN, RI, AND DATED XXX XX, 2024.
2. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS IN THE FIELD AND REPORT ANY DISCREPANCIES BETWEEN PLANS, SPECIFICATIONS, AND ACTUAL CONDITIONS TO THE LANDSCAPE ARCHITECT FOR CLARIFICATION AND RESOLUTION PRIOR TO BIDDING AND PRIOR TO COMMENCING CONSTRUCTION.
3. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING CONDITIONS TO REMAIN THAT ARE DUE TO CONTRACTOR OPERATIONS.
4. THE LOCATIONS OF UNDERGROUND UTILITIES SHOWN ON THIS PLAN ARE BASED ON THE SURVEY REFERENCED. THE CONTRACTOR SHALL CONTACT DIGSAFE AND THE PROPER LOCAL AUTHORITIES OR RESPECTIVE UTILITY COMPANIES TO CONFIRM THE LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. ANY DAMAGE DUE TO FAILURE OF THE CONTRACTOR TO CONTACT THE PROPER AUTHORITIES SHALL BE BORNE BY THE CONTRACTOR.
5. ALL CEMENT CONCRETE AND BITUMINOUS CONCRETE PAVING SHALL CONFORM TO RHODE ISLAND STATE BUILDING CODE (RISBC-1), INTERNATIONAL CODE COUNCIL (ANSI ICC A117.1), AND AMERICANS WITH DISABILITIES ACT (ADA) APPENDIX TO PART 1191 ACCESSIBILITY GUIDELINES FOR BUILDING AND FACILITIES.
6. ALL MATERIALS SHALL CONFORM TO RHODE ISLAND DEPARTMENT OF TRANSPORTATION (RIDOT) STANDARD SPECIFICATIONS.
7. ALL CEMENT CONCRETE SCORING SHALL BE REVIEWED AND APPROVED BY THE OWNER AND CIVIL ENGINEER/LANDSCAPE ARCHITECT PRIOR TO CEMENT CONCRETE INSTALLATION.
8. CONTRACTOR SHALL STAKE LOCATIONS OF ALL ELECTRICAL HANDHOLES PRIOR TO INSTALLATION FOR LANDSCAPE ARCHITECT TO REVIEW.
9. WHILE NOT SHOWN REFER TO SPECIFICATIONS FOR ALL SITE/ATHLETIC EQUIPMENT NOT SHOWN ON PLAN BUT INCLUDED AS PART OF THE CONTRACT. CONTRACTOR TO REVIEW AND COORDINATE FINAL LOCATIONS OF ASSEMBLED EQUIPMENT WITH THE LANDSCAPE ARCHITECT AND OWNER.
10. FENCE MESH ADJACENT TO RUNNING TRACK SHALL BE ON TRACK SIDE OF FENCE. ALL OTHER FENCE SHALL BE ON OUTSIDE OF FENCE. REVIEW IN FIELD WITH LANDSCAPE ARCHITECT PRIOR TO HANGING FENCE MESH.
11. ALL CHAIN LINK FENCE POST SPACING SHALL BE EQUIDISTANT BETWEEN GATES AND TERMINAL POSTS. COORDINATE WITH LANDSCAPE ARCHITECT IN FIELD PRIOR TO INSTALLATIONS, IF NECESSARY.

SIGNAGE SCHEDULE

SIGN	MOUNTING	QTY.	DETAIL
FIELD RULES	FENCE	3	5 / L3.1
TRACK RULES	FENCE	3	5 / L3.1



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SCALE ADJUSTMENT GUIDE
0" 1"
BAR IS ONE INCH ON ORIGINAL DRAWING

CASS PARK ATHLETIC FACILITY

WOONSOCKET, RHODE ISLAND

CASS
RI Environmental Management
AUG 20 2024
Office of Water Resources

7/2/2024
REGISTERED LANDSCAPE ARCHITECT
STEPHEN CRISAFULLI
No. 661
NOT FOR CONSTRUCTION

REVISIONS:

PROJECT NO.:	21015.02
DATE:	JULY 2, 2024
SCALE:	1"=30'-0"
DESIGNED BY:	KH
CHECKED BY:	SRC
DRAWN BY:	KH
APPROVED BY:	SRC

DRAWING TITLE:
ATHLETIC LAYOUT AND MATERIALS PLAN 1

DRAWING NO.: L1.1

SHEET NO. 23 OF 36

LAYOUT AND MATERIALS LEGEND

- APPROXIMATE LIMIT OF DISTURBANCE — LOD
- WETLAND EDGE — C124
- 50' BUFFER ZONE
- 100' BUFFER ZONE AND JURISDICTIONAL AREA
- CHAIN LINK FENCE
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- ATHLETIC BALL NETTING SYSTEM
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- TRASH AND RECYCLING RECEPTACLES ON CONCRETE PAD
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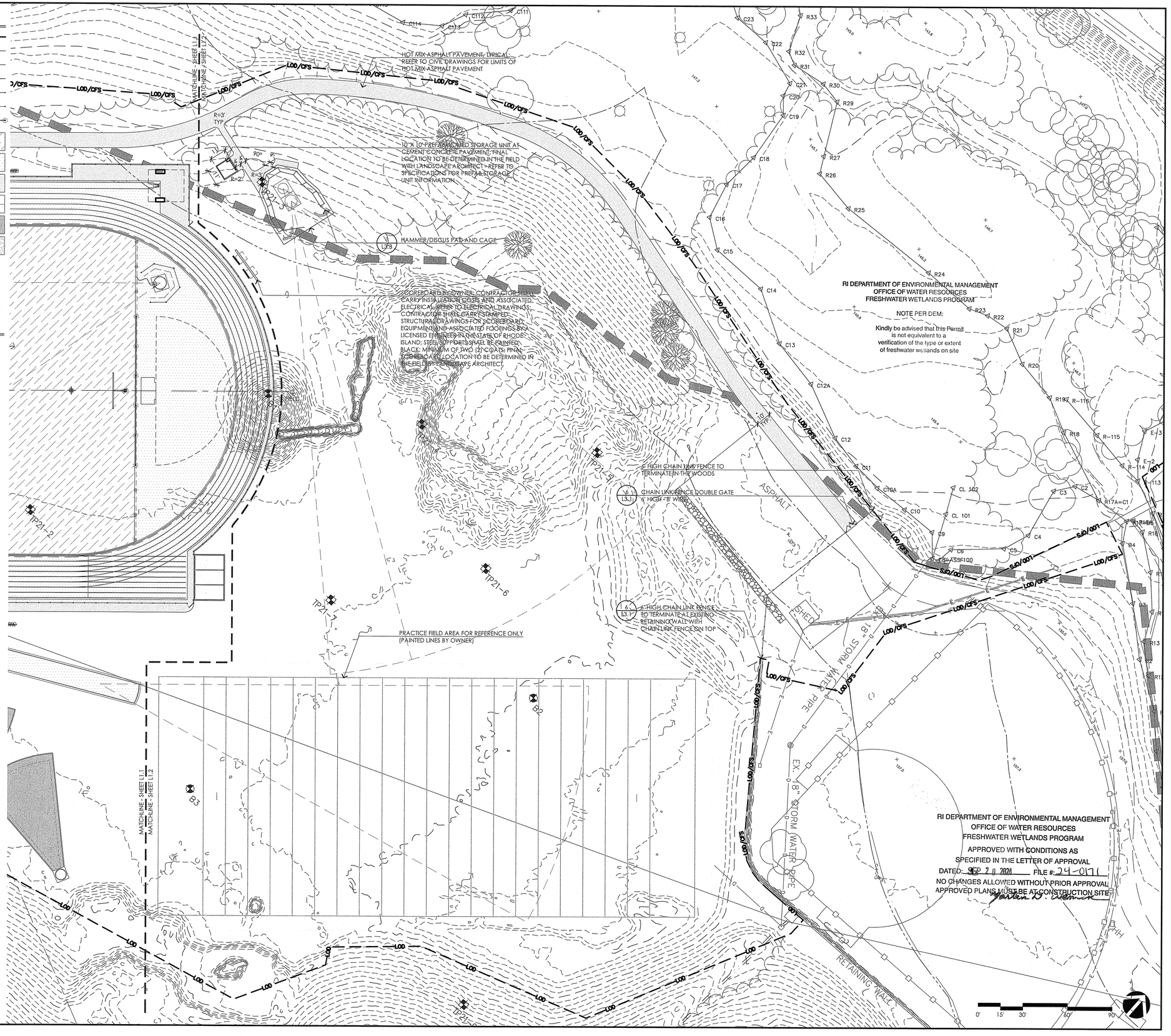
2. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS IN THE FIELD AND REPORT ANY DISCREPANCIES BETWEEN PLANS, SPECIFICATIONS, AND ACTUAL CONDITIONS TO THE LANDSCAPE ARCHITECT FOR CLARIFICATION AND RESOLUTION PRIOR TO BIDDING AND PRIOR TO COMMENCING CONSTRUCTION.
3. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING CONDITIONS TO REMAIN THAT ARE DUE TO CONTRACTOR OPERATIONS.
4. THE LOCATIONS OF UNDERGROUND UTILITIES SHOWN ON THIS PLAN ARE BASED ON THE SURVEY REFERENCED. THE CONTRACTOR SHALL CONTACT DIGSAFE AND THE PROPER LOCAL AUTHORITIES OR RESPECTIVE UTILITY COMPANIES TO CONFIRM THE LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. ANY DAMAGE DUE TO FAILURE OF THE CONTRACTOR TO CONTACT THE PROPER AUTHORITIES SHALL BE BORNE BY THE CONTRACTOR.
5. ALL CEMENT CONCRETE AND BITUMINOUS CONCRETE PAVING SHALL CONFORM TO RHODE ISLAND STATE BUILDING CODE (RISBC-1), INTERNATIONAL CODE COUNCIL (ANSI ICC A 117.1), AND AMERICANS WITH DISABILITIES ACT (ADA) APPENDIX TO PART 1191 ACCESSIBILITY GUIDELINES FOR BUILDING AND FACILITIES.
6. ALL MATERIALS SHALL CONFORM TO RHODE ISLAND DEPARTMENT OF TRANSPORTATION (RIDOT) STANDARD SPECIFICATIONS.
7. ALL CEMENT CONCRETE SCORING SHALL BE REVIEWED AND APPROVED BY THE OWNER AND CIVIL ENGINEER/LANDSCAPE ARCHITECT PRIOR TO CEMENT CONCRETE INSTALLATION.
8. CONTRACTOR SHALL STAKE LOCATIONS OF ALL ELECTRICAL HANDHOLES PRIOR TO INSTALLATION FOR LANDSCAPE ARCHITECT TO REVIEW.
9. WHILE NOT SHOWN REFER TO SPECIFICATIONS FOR ALL SITE/ATHLETIC EQUIPMENT NOT SHOWN ON PLAN BUT INCLUDED AS PART OF THE CONTRACT. CONTRACTOR TO REVIEW AND COORDINATE FINAL LOCATIONS OF ASSEMBLED EQUIPMENT WITH THE LANDSCAPE ARCHITECT AND OWNER.
10. FENCE MESH ADJACENT TO RUNNING TRACK SHALL BE ON TRACK SIDE OF FENCE. ALL OTHER FENCE SHALL BE ON OUTSIDE OF FENCE. REVIEW IN FIELD WITH LANDSCAPE ARCHITECT PRIOR TO HANGING FENCE MESH.
11. ALL CHAIN LINK FENCE POST SPACING SHALL BE EQUIDISTANT BETWEEN GATES AND TERMINAL POSTS. COORDINATE WITH LANDSCAPE ARCHITECT IN FIELD PRIOR TO INSTALLATIONS, IF NECESSARY.



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GLASS PARK ATHLETIC FACILITY
WOONSOCKET, RHODE ISLAND

RI Dept. of Environmental Management
AUG 2 3 2024
Office of Water Resources

7/2/2024
REGISTERED LANDSCAPE ARCHITECT
STEPHEN CRISAFULLI
No. 661
NOT FOR CONSTRUCTION

REVISIONS:

PROJECT NO.:	21015.02
DATE:	JULY 2, 2024
SCALE:	1"=30'-0"
DESIGNED BY:	KH
CHECKED BY:	SRC
DRAWN BY:	KH
APPROVED BY:	SRC

DRAWING TITLE:
ATHLETIC LAYOUT AND MATERIALS PLAN 2

DRAWING NO.: L1.2

SHEET NO. 24 OF 36

PLANTING LEGEND

- APPROXIMATE LIMIT OF WORK — LOD
- WETLANDS — C124
- 50' BUFFER ZONE
- 100' BUFFER ZONE AND JURISDICTIONAL AREA
- PROPOSED CONTOURS
- TEMPORARY FENCING AT SEED ESTABLISHMENT AREAS
- DECIDUOUS TREE — +XX
- MULTI-STEM TREE — XX
- EVERGREEN TREE — XX
- SHRUB
- PERENNIALS, GROUNDCOVER, AND GRASSES
- BUFFER RESTORATION AREA
- UPLAND SEED MIX
- WET MEADOW SEED MIX
- LOAM AND SEED

PLANTING SCHEDULE

SYMBOL	BOTANICAL NAME	COMMON NAME	QTY.	SIZE	COMMENTS
DECIDUOUS TREES					
AR	ACER RUBRUM	RED MAPLE	12	2-2.5" CAL	B&B
AS	ACER SACCHARUM	SUGAR MAPLE	4	2-2.5" CAL	B&B
AA	AMELANCHIER ARBOREA	COMMON SERVICEBERRY	2	7'-8' HT	B&B; MULTI-STEM
BP	BETULA POPULIFOLIA	GRAY BIRCH	10	8'-10' HT	B&B; MULTI-STEM
CC	CARPINUS CAROLINIANA	AMERICAN HORNBEAM	3	2-2.5" CAL	B&B
LT	LIRIODENDRON TUILPIFERA	YELLOW POPLAR	5	2-2.5" CAL	B&B
NS	NYSSA SYLVATICA	BLACK TUPELO	7	2-2.5" CAL	B&B
QA	QUERCUS ALBA	WHITE OAK	7	2-2.5" CAL	B&B
QC	QUERCUS COCCINEA	SCARLET OAK	3	2-2.5" CAL	B&B
QM	QUERCUS MACROCARPA	BUR OAK	3	2-2.5" CAL	B&B
QP	QUERCUS PALASTRUS	PIN OAK	7	2-2.5" CAL	B&B
SA	SASSAFRAS ALBIDUM	SASSAFRAS	4	2-2.5" CAL	B&B
EVERGREEN TREES					
JV	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	4	6'-8' HT	B&B
LL	LARIX LARICINA	TAMARAK	5	6'-8' HT	B&B
PR1	PINUS RESINOSA	RED PINE	6	6'-8' HT	B&B
PR2	PINUS RIGIDA	PITCH PINE	6	6'-8' HT	B&B
PS	PINUS STROBUS	EASTERN WHITE PINE	8	8'-10' HT	B&B
TC	TSUGA CANADENDSIS	EASTERN HEMLOCK	5	8'-10' HT	B&B
SHRUBS *(SUGGESTED-FINAL DESIGN & QUANTITY TBD)*					
FG	FOTHERGILLA GARDENII	DWARF WITCH ALDER	X	3 GAL	AS SHOWN
HI	HAMAMELIS x INTERMEDIA 'ARNOLD PROMISE'	ARN. PROMISE WITCH HAZEL	X	3 GAL	AS SHOWN
IG	ILEX GLABRA	SHAMROCK INKBERRY	X	3 GAL	AS SHOWN
IV	ILEX VERTICILLATA	WINTERBERRY HOLLY	X	3 GAL	AS SHOWN
LB	LINDERA BENZOIN	SPICEBUSH	X	3 GAL	AS SHOWN
PERENNIALS, GROUNDCOVER, AND GRASSES *(SUGGESTED-FINAL DESIGN & QUANTITY TBD)*					
CA	CALAMAGROSTIS ACUTIFLORA 'KARL FOERSTER'	FEATHER REED GRASS	X	1 GAL	SPACE 30" O.C.
DP	DENNSTAEDTIA PUNCTILOBULA	HAY SCENTED FERN	X	1 GAL	SPACE 30" O.C.
MG	MYRICA GALE	SWEETGALE	X	1 GAL	SPACE 36" O.C.
PA	PENNISETUM ALOPECUROIDES 'HAMELN'	DWARF FOUNTAIN GRASS	X	1 GAL	SPACE 30" O.C.
RA	RHUS AROMATICA 'GRO LOW'	FRAGRANT SUMAC	X	1 GAL	SPACE 48" O.C.
RH	RUDBECKIA HIRTA	BLACK-EYED SUSAN	X	1 GAL	SPACE 30" O.C.

PLANTING NOTES

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3. THE LANDSCAPE CONTRACTOR SHALL SUPPLY ALL PLANT MATERIALS IN QUANTITIES SUFFICIENT TO COMPLETE ALL PLANTINGS SHOWN ON PLANS AND NOTED IN THE PLANT SCHEDULE.
4. ALL PLANT MATERIALS SHALL CONFORM TO THE GUIDELINES ESTABLISHED BY THE AMERICAN NURSERY AND LANDSCAPE ASSOCIATION.
5. MAXIMUM SLOPE WITHIN THE DISTURBED AREAS SHALL NOT EXCEED 3:1, UNLESS OTHERWISE NOTED.
6. ALL PLANTS SHALL BARE THE SAME RELATIONSHIP TO FINISH GRADE AS TO ORIGINAL GRADES BEFORE DIGGING.
7. ALL PLANTED AREAS INCLUDING STANDALONE TREES TO BE EDGED AND MULCHED WITH AGED PINE BARK; PARTIALLY DECOMPOSED DARK BROWN IN COLOR, AND FREE OF WOOD CHIPS THICKER THAN ¼ INCH, UNLESS OTHERWISE NOTED.
8. ALL PLANTS TO BE BALLED IN BURLAP OR CONTAINERIZED.
9. PLANTING SOIL MIX: UTILIZE EXISTING SITE LOAM FROM STOCKPILES. THOROUGHLY INCORPORATE WITH COMPOST AS NEEDED PER SOILS ANALYSIS. FERTILIZE PER RECOMMENDED RATES IN SOIL ANALYSIS.
10. ALL AREAS OF THE SITE WHICH HAVE BEEN DISTURBED AND NOT OTHERWISE DEVELOPED SHALL BE LOAMED AND SEEDED WITH A MINIMUM DEPTH OF 6" DEPTH TOPSOIL UNLESS OTHERWISE NOTED.
11. CONTRACTOR SHALL VERIFY ALL TREE REMOVALS AND/OR TRANSPLANTS WITH LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION START.
12. FINAL LAYOUT OF PLANTINGS WILL BE IN THE FIELD PER THE DIRECTION OF THE LANDSCAPE ARCHITECT, PROVIDE A MINIMUM FORTY-EIGHT (48) HOURS NOTICE PRIOR TO BEGINNING FINAL LAYOUT AND PLANTING OPERATIONS.
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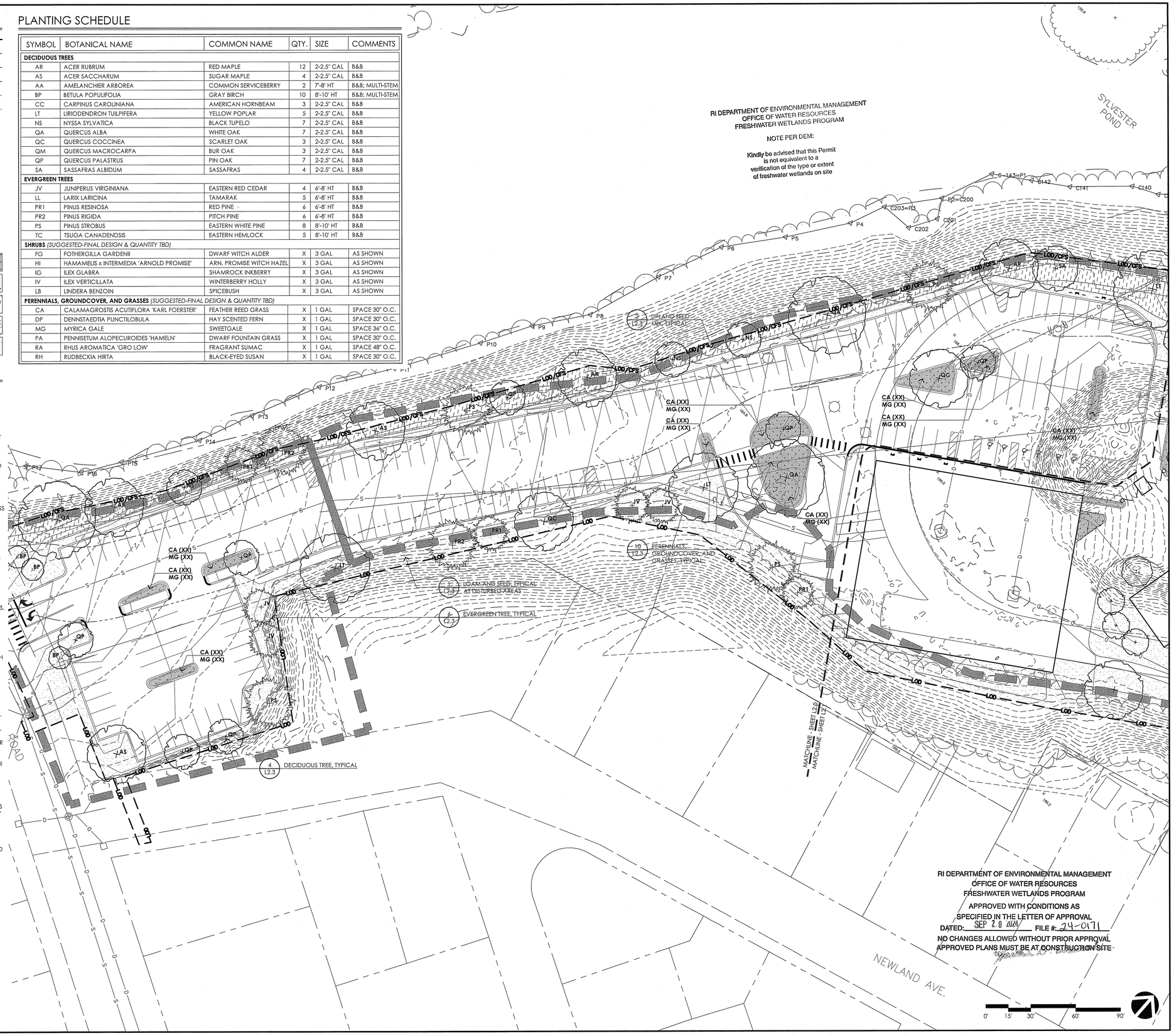

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APPROVED BY:	SRC

DRAWING TITLE:
PLANTING PLAN 1

DRAWING NO.:
L2.0

SHEET NO. 25 OF 36

PLANTING LEGEND

- APPROXIMATE LIMIT OF WORK — LOD
- WETLANDS — C124
- 50' BUFFER ZONE
- 100' BUFFER ZONE AND JURISDICTIONAL AREA
- PROPOSED CONTOURS
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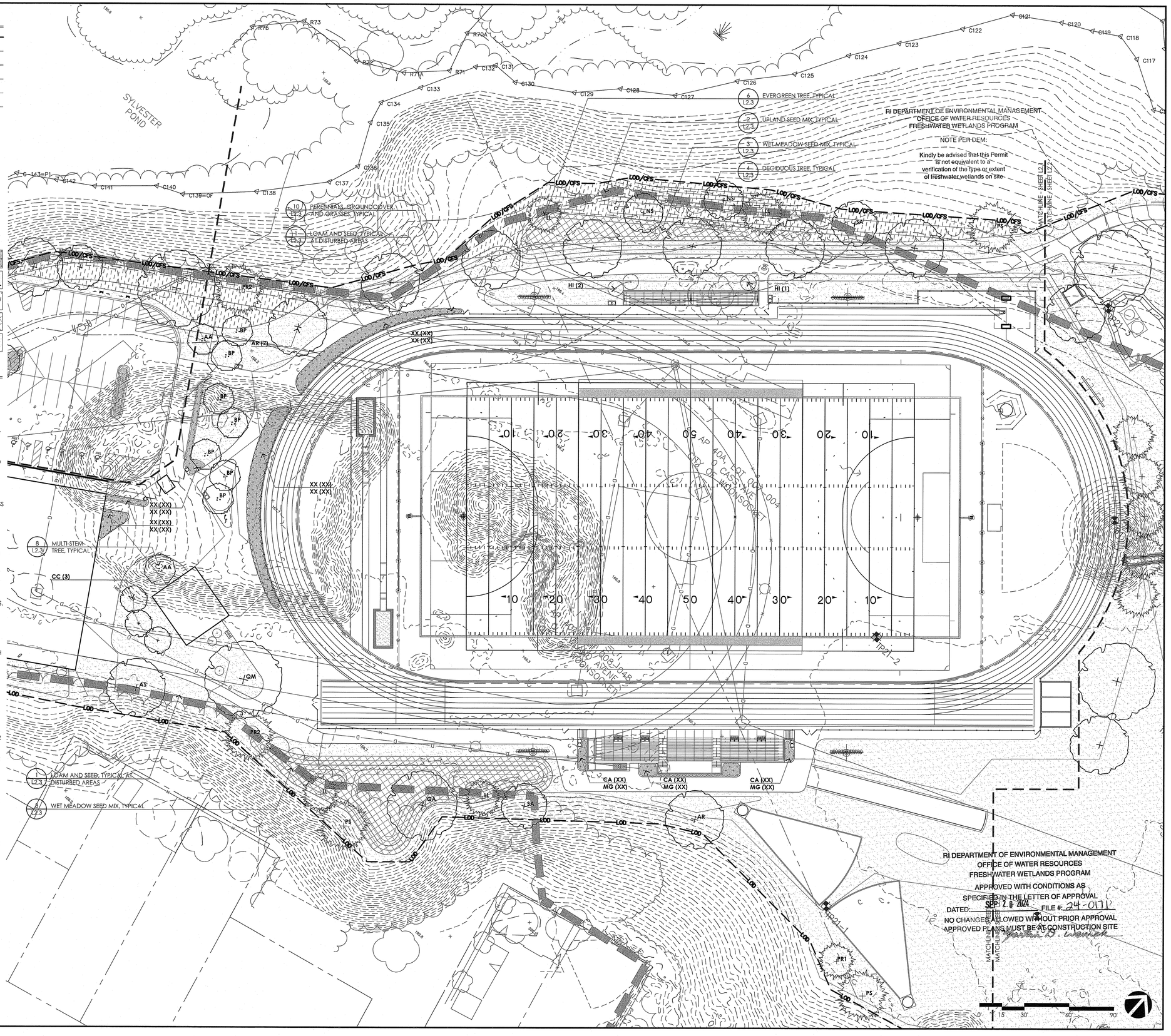

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CASS PARK ATHLETIC FACILITY

WOONSOCKET, RHODE ISLAND

RI Department of Environmental Management
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STEPHEN CRISAFULLI
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DRAWN BY:	KH
APPROVED BY:	SRC

DRAWING TITLE:
PLANTING PLAN 2

DRAWING NO.: L2.1

SHEET NO. 26 OF 36

PLANTING LEGEND

- APPROXIMATE LIMIT OF WORK — LOD
- WETLANDS — C124
- 50' BUFFER ZONE
- 100' BUFFER ZONE AND JURISDICTIONAL AREA
- PROPOSED CONTOURS
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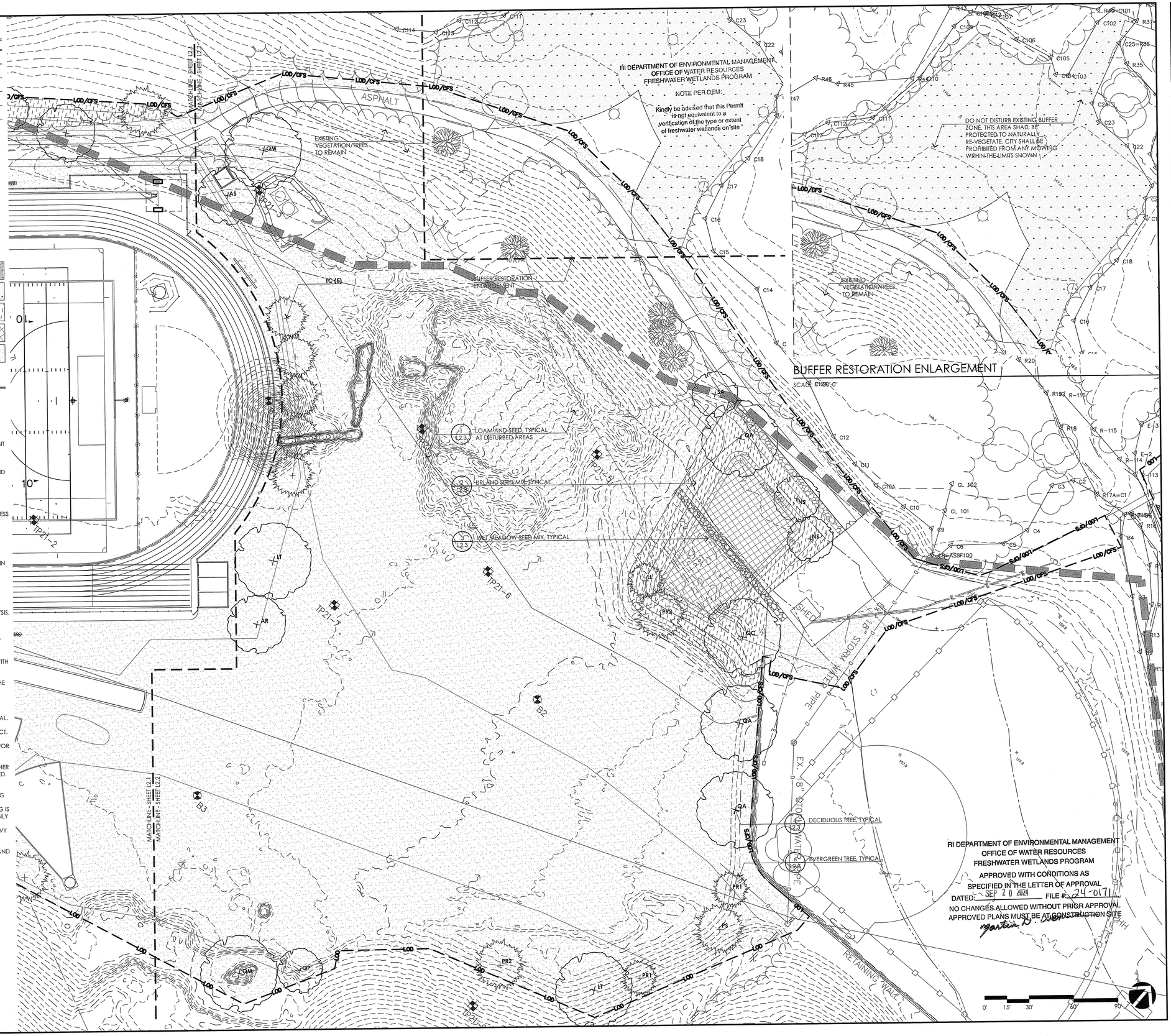

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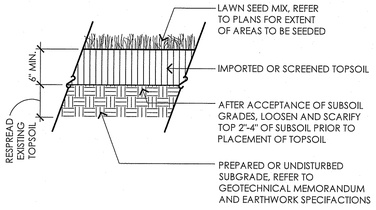
PLANTING PLAN 3

DRAWING NO.: L2.2

SHEET NO. 27 OF 36



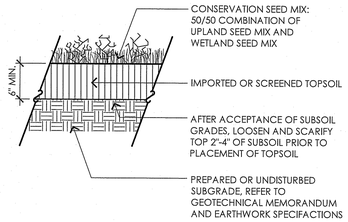
1 LOAM AND SEED

NOT TO SCALE

NOTES:

1. SEED MIXES SHALL BE EQUIVALENT TO THE SEED MIXES SHOWN AS DESIGNED AND SUPPLIED BY NEW ENGLAND WETLAND PLANTS, INC., AMHERST, MA (413) 548-8000.
2. CONTRACTOR SHALL SUBMIT ALL SEED MIXES TO LANDSCAPE ARCHITECT FOR REVIEW PRIOR TO PLACING ORDER.

UPLAND SEED MIX | 50:50 Blend of Upland Seed Mix and Wet Meadow Seed Mix Quantity:
Site Development Areas (±XXX sf) 1 lb/1250 sf **(qty. ±5 lbs)**



2 UPLAND SEED MIX

NOT TO SCALE

UPLAND SEED MIX

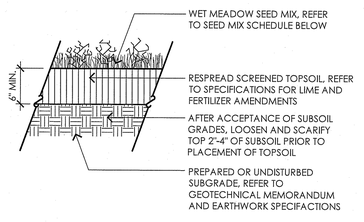
BOTANICAL NAME	COMMON NAME	
NEW ENGLAND ROADSIDE MATRIX UPLAND SEED MIX		
ELYMUS CANADENSIS	CANADA WILD RYE	FACW+
SCHIZACHYRIUM SCOPARIUM	LITTLE BLUESTEM	FACU
FESTUCA RUBRA	CREEPING RED FESCUE	FACU
ANDROPOGON GERARDII	BIG BLUESTEM	FAC
SORGHASTRUM NUTANS	INDIAN GRASS	UPL
CHAMAECRISTA FASCICULATA	PARTRIDGE PEA	FACU
PANICUM VIRGATUM	SWITCHGRASS	FAC
RHUS TYPHINA	STAGHORN SUMAC	
CORNUS AMOMUM	SILKY DOGWOOD	FACW
CORNUS RACEMOSA	GREY DOGWOOD	FAC
ASCLEPIAS SYRIACA	COMMON MILKWEED	FACU-
ZIZIA AUREA	GOLDEN ALEXANDERS	FAC
DESMODIUM CANADENSE	SHOWY TICK TREFOIL	FAC
LESPEDEZA CAPITATA	BUSH CLOVER	FACU-
HELIOPSIS HELIANTHOIDES	OX EYE SUNFLOWER	UPL
MONARDA FISTULOSA	WILD BERGAMOT	UPL
RUDBECKIA HIRTA	BLACK EYED SUSAN	FACU-
ASTER LAEVIS	SMOOTH BLUE ASTER	UPL
EUTHAMIA GRAMINIFOLIA	GRASS LEAVED GOLDENROD	FAC
SOLIDAGO JUNCEA	EARLY GOLDENROD	

APPLY 18LBS/ACRE: 1250 SF/LB

NOTES:

1. SEED MIXES SHALL BE EQUIVALENT TO THE SEED MIXES SHOWN AS DESIGNED AND SUPPLIED BY NEW ENGLAND WETLAND PLANTS, INC., AMHERST, MA (413) 548-8000.
2. CONTRACTOR SHALL SUBMIT ALL SEED MIXES TO LANDSCAPE ARCHITECT FOR REVIEW PRIOR TO PLACING ORDER.

WETLAND MEADOW SEED MIX | 50:50 Blend of Upland Seed Mix and Wet Meadow Seed Mix Quantity:
Site Development Areas (±XXX sf) 1 lb/1250 sf **(qty. ±3 lbs)**



3 WET MEADOW SEED MIX

NOT TO SCALE

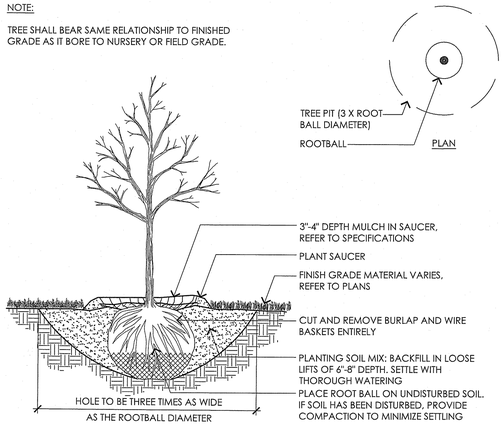
WET MEADOW SEED MIX

BOTANICAL NAME	COMMON NAME	
NEW ENGLAND ROADSIDE MATRIX WET MEADOW SEED MIX		
ELYMUS RIPARIUS	RIVERBANK WILD RYE	FACW
FESTUCA RUBRA	CREEPING RED FESCUE	FACU
ELYMUS VIRGINICUS	VIRGINIA WILD RYE	FACW-
BIDENS ARISTOSA	TICKSEED SUNFLOWER	FACW
PANICUM DICHOTOMIFLORUM	SMOOTH PANIC GRASS	FACW-
PANICUM VIRGATUM	SWITCHGRASS	FAC
CORNUS AMOMUM	SILKY DOGWOOD	FACW
VERBENA HASTATA	BLUE VERVAIN	FACW
CAREX LURIDA	LURID SEDGE	OBL
CAREX SCOPARIA	BLUNT BROOM SEDGE	FACW
HELENIUM AUTUMNALE	COMMON SNEEZEWEED	FACW+
VIBURNUM DENTATUM	ARROW WOOD VIBURNUM	FAC
ASCLEPIAS INCARNATA	SWAMP MILKWEED	OBL
ASTER NOVAE-ANGLIAE	NEW ENGLAND ASTER	FACW-
EUPATORIUM MACULATUM	SPOTTED JOE PYE WEED	FACW
EUPATORIUM PERFOLIATUM	BONESET	FACW
AGROSTIS SCABRA	ROUGH BENTGRASS/TICKLEGRASS	FAC
SCIRPUS ATROVIRENS	GREEN BULRUSH	OBL
SAMBUCUS CANADENSIS	ELDERBERRY	FACW-

APPLY 18LBS/ACRE: 1250 SF/LB

NOTE:

TREE SHALL BEAR SAME RELATIONSHIP TO FINISHED GRADE AS IT BORE TO NURSERY OR FIELD GRADE.

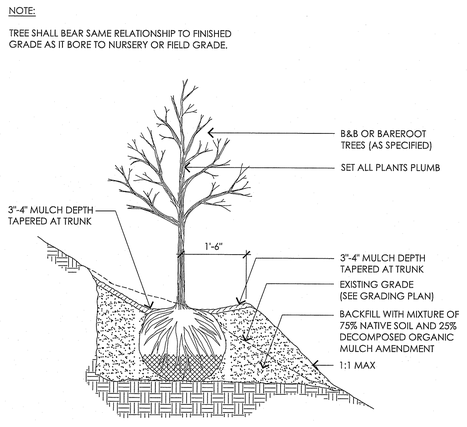


4 DECIDUOUS TREE

NOT TO SCALE

NOTE:

TREE SHALL BEAR SAME RELATIONSHIP TO FINISHED GRADE AS IT BORE TO NURSERY OR FIELD GRADE.

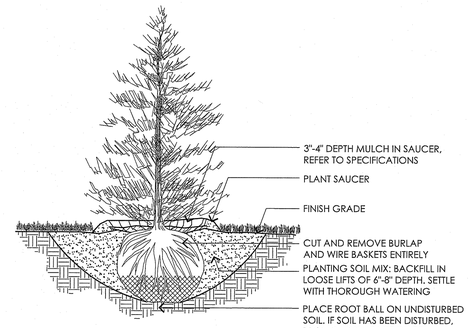


5 DECIDUOUS TREE ON SLOPE

NOT TO SCALE

NOTE:

TREE SHALL BEAR SAME RELATIONSHIP TO FINISHED GRADE AS IT BORE TO NURSERY OR FIELD GRADE.

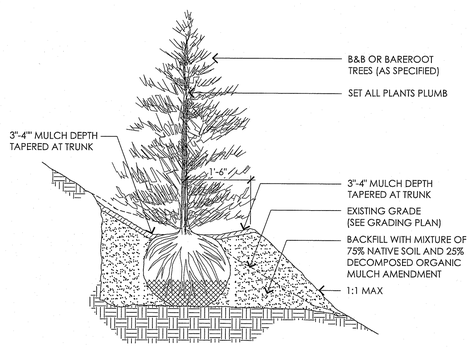


6 EVERGREEN TREE

NOT TO SCALE

NOTE:

TREE SHALL BEAR SAME RELATIONSHIP TO FINISHED GRADE AS IT BORE TO NURSERY OR FIELD GRADE.

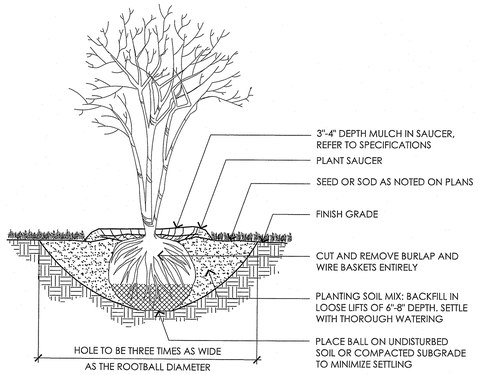


7 EVERGREEN TREE ON SLOPE

NOT TO SCALE

NOTES:

1. TREE SHALL BEAR SAME RELATIONSHIP TO FINISHED GRADE AS IT BORE TO NURSERY OR FIELD GRADE.
2. WHERE MULTI-STEM TREES OCCUR IN PLANT BEDS, PROVIDE 3" MULCH CONTINUOUS TO EDGES OF PLANT BED

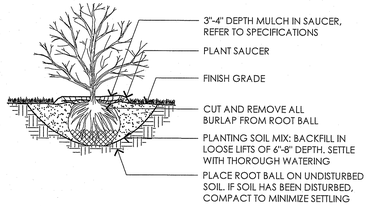


8 MULTI-STEM TREE

NOT TO SCALE

NOTES:

1. SHRUB SHALL BEAR SAME RELATIONSHIP TO FINISHED GRADE AS IT BORE TO NURSERY OR FIELD GRADE.
2. WHERE SHRUBS OCCUR IN GROUPINGS IN PLANT BEDS, PROVIDE 2 - FOOT DEEP CONTINUOUS LOAM BED.

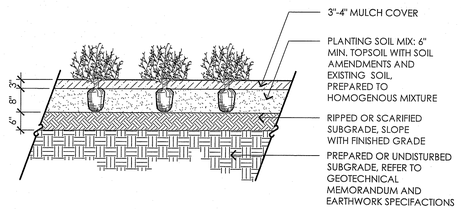


9 SHRUB

NOT TO SCALE

NOTE:

REFER TO PLANTING SCHEDULE FOR SPACING REQUIREMENTS.

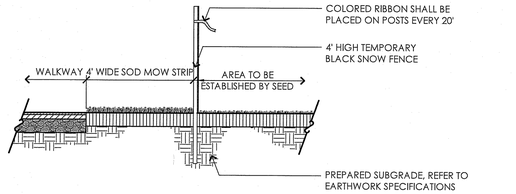


10 PERENNIALS, GROUNDCOVER, AND GRASSES

NOT TO SCALE

NOTE:

CONTRACTOR SHALL PROVIDE 18"x24" TEMPORARY VINYL SIGNS SECURED TO SNOW FENCE, TYPICAL FOR FOUR (4) SIGNS. GRAPHICS TO BE PROVIDED BY LANDSCAPE ARCHITECT.



11 TEMPORARY FENCING AT SEED ESTABLISHMENT AREAS

NOT TO SCALE

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL
DATED: SEP 20 2024 **FILE #:** 24-0171
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Martin D. Wencek

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SCALE ADJUSTMENT GUIDE
0" 1"
BAR IS ONE INCH ON ORIGINAL DRAWING

CASS PARK ATHLETIC FACILITY

WOONSOCKET, RHODE ISLAND

RI Department of Environmental Management
AUG 20 2024
Office of Water Resources

7/2/2024
REGISTERED LANDSCAPE ARCHITECT
STEPHEN CRISAFULLI
No. 661

NOT FOR CONSTRUCTION

REVISIONS:

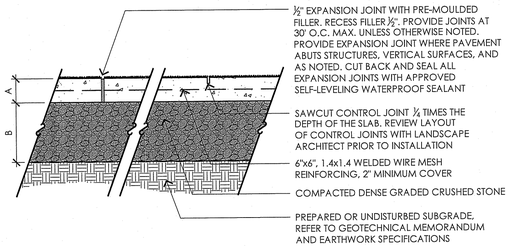
PROJECT NO.:	21015.02
DATE:	JULY 2, 2024
SCALE:	AS NOTED
DESIGNED BY:	KH
CHECKED BY:	SRC
DRAWN BY:	KH
APPROVED BY:	SRC

DRAWING TITLE:
PLANTING DETAILS

DRAWING NO.:
L2.3

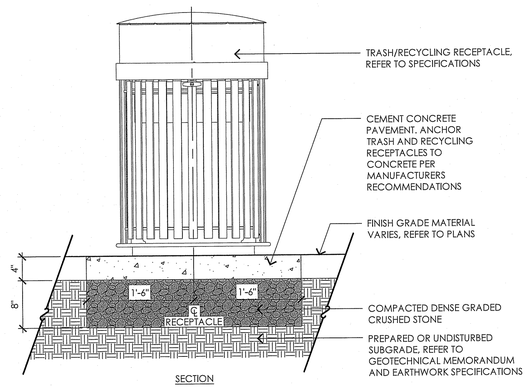
SHEET NO. 28 OF 36

TYPE / USE	A	B
WALKWAYS / PADS	4"	8"
BLEACHER / STORAGE UNITS	6"	10"

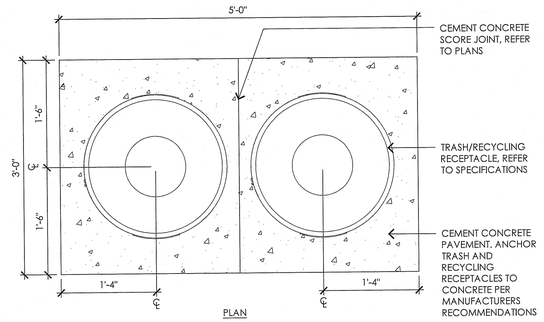


1 CEMENT CONCRETE PAVEMENT

NOT TO SCALE



SECTION



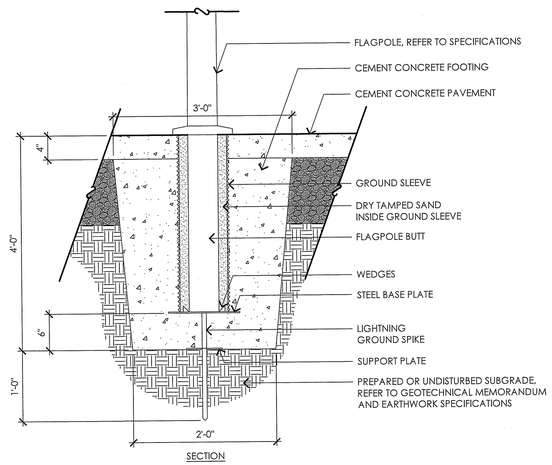
PLAN

2 TRASH AND RECYCLING RECEPTACLES

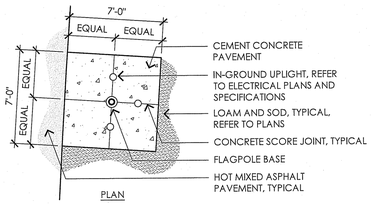
NOT TO SCALE

NOTES:

1. CONCRETE FOOTING DEPTH AND WIDTH FOR 40' HIGH ALUMINUM FLAGPOLE. ALTERNATE FLAGPOLE HEIGHT MAY REQUIRE DIFFERENT SIZE FOOTING, REFER TO SPECIFICATIONS AND MANUFACTURER'S RECOMMENDATIONS.
2. FLAGPOLE FOOTING SHOWN FOR INTENT ONLY. CONTRACTOR SHALL PROVIDE (AT HIS OWN COST) STRUCTURAL DESIGN OF THE FOUNDATIONS BY A STRUCTURAL ENGINEER LICENSED IN THE STATE OF RHODE ISLAND AND SHALL CARRY COSTS ASSOCIATED WITH STRUCTURAL DESIGN OF HIS/HER BID.



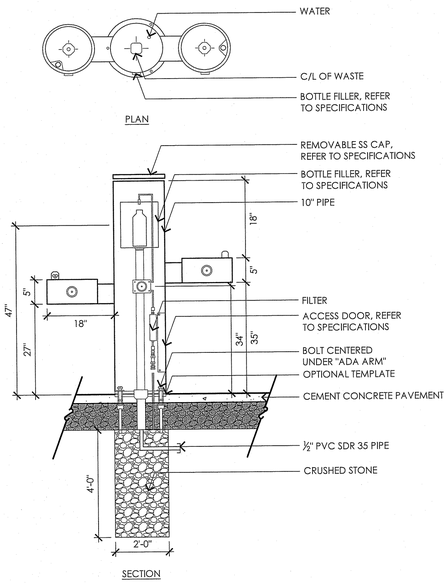
SECTION



PLAN

3 FLAGPOLE FOOTING WITH UPLIGHTS

NOT TO SCALE



PLAN

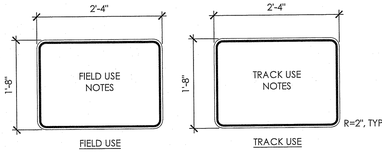
SECTION

4 WATER FOUNTAIN / BOTTLE FILLING STATION

NOT TO SCALE

NOTES:

1. ALL TEXT, COLORS, FONTS, AND DIMENSIONS SHALL BE REVIEWED BY LANDSCAPE ARCHITECT AND THE OWNER.
2. GRAPHICS AND LETTERING STYLE SHALL BE SUPPLIED BY THE LANDSCAPE ARCHITECT AND COPY TO BE APPROVED BY LANDSCAPE ARCHITECT.
3. ALL SIGNAGE SHOULD BE MOUNTED TO CHAIN LINK FENCE UNLESS OTHERWISE NOTED.
4. CONTRACTOR SHALL SUBMIT MOUNTING METHOD FOR APPROVAL.
5. ALL SIGN MOUNTING MECHANISMS SHALL BE PAINTED BLACK.
6. FINAL LOCATIONS FOR ALL SIGNAGE TO BE REVIEWED WITH THE LANDSCAPE ARCHITECT AND OWNER PRIOR TO INSTALLATION.
7. REFER TO SPECIFICATIONS FOR PANEL THICKNESS, MATERIALS, AND ACCEPTABLE MANUFACTURERS.



5 SITE SIGNAGE

NOT TO SCALE

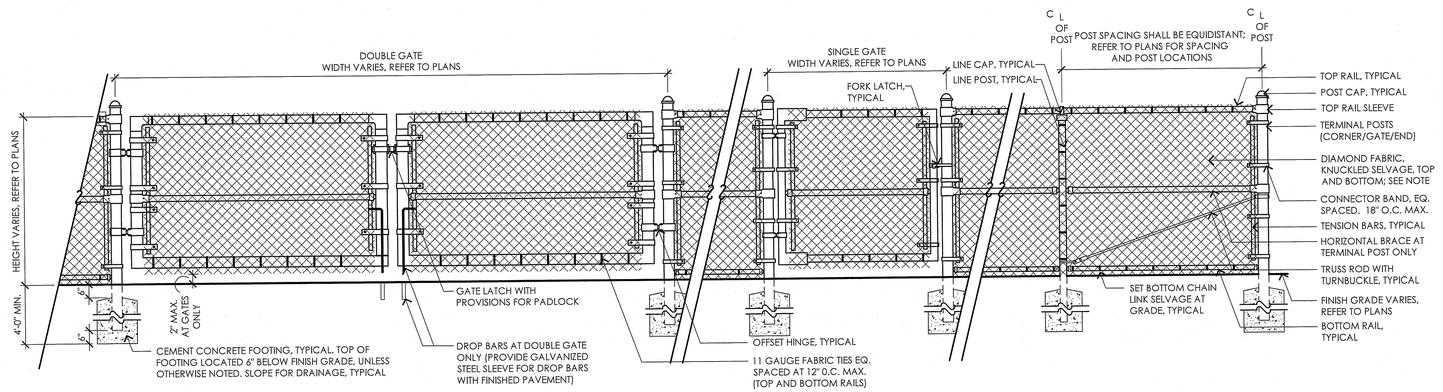
NOTES:

1. FENCE FABRIC TOP SHALL BE EVEN WITH TOP OF TOP RAIL.
2. TOP OF CONCRETE FENCE POST. FOOTING TO HAVE SLOPE TO PROMOTE POSITIVE DRAINAGE.
3. GATES SHALL SWING 180° DEGREES SO THAT WHEN FULLY OPEN GATE PANELS SHALL BE PARALLEL TO CHAIN LINK FENCE.
4. REFER TO SPECIFICATIONS FOR MATERIAL GAUGE.

CONCRETE FOOTING DEPTH X WIDTH

	H
TERMINAL	48"x18"
LINE	48"x15"

	H	
	4'-0"	6'-0"
TERMINAL POSTS	2.375	2.375
LINE POSTS	1.90	1.90
TOP RAIL	1.660	1.660
BOTTOM RAIL	1.660	1.660
CENTER RAIL	N/A	N/A
HORIZONTAL BRACE	N/A	1.660
TRUSS ROD	N/A	⅜"



6 CHAIN LINK FENCE AND GATES

NOT TO SCALE

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OFFICE OF WATER RESOURCES
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SCALE ADJUSTMENT GUIDE
0" 1"
BAR IS ONE INCH ON ORIGINAL DRAWING

CASS PARK ATHLETIC FACILITY

WOONSOCKET, RHODE ISLAND

RECEIVED
AUG 23 2024
Office of Water Resources

7/2/2024
REGISTERED
STEPHEN CRISAFULLI
No. 661
LANDSCAPE ARCHITECT

NOT FOR CONSTRUCTION

REVISIONS:

PROJECT NO.:	21015.02
DATE:	JULY 2, 2024
SCALE:	AS NOTED
DESIGNED BY:	KH
CHECKED BY:	SRC
DRAWN BY:	KH
APPROVED BY:	SRC

DRAWING TITLE:

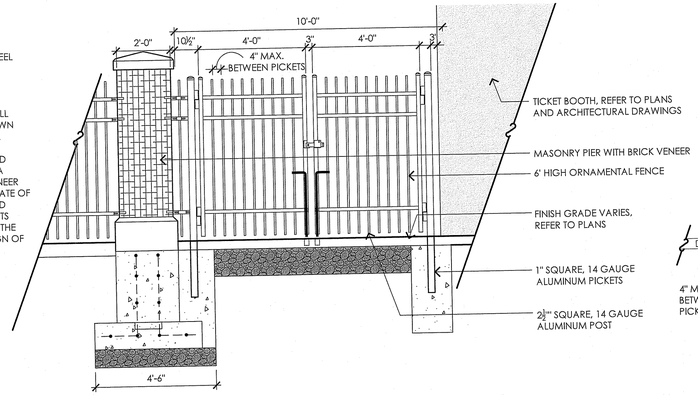
SITE DETAILS 1

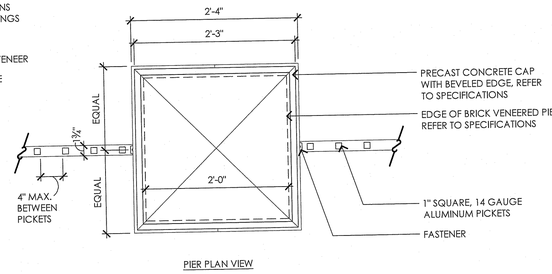
DRAWING NO.: L3.1

SHEET NO. 29 OF 36

NOTES:

1. UTILIZE STAINLESS STEEL PINS TO SECURE MASONRY PIER TO FOUNDATION.
2. CONTRACTOR SHALL PROVIDE (AT HIS OWN COST) STRUCTURAL DESIGN OF THE MASONRY PIER AND FOUNDATIONS BY A STRUCTURAL ENGINEER LICENSED IN THE STATE OF RHODE ISLAND AND SHALL CARRY COSTS ASSOCIATED WITH THE STRUCTURAL DESIGN OF HIS/HER BID.





PIER PLAN VIEW

PIER CAP SPECIFICATION:

1. PRECAST WALL CAP SHALL BE SUPPLIED BY MGA CAST STONE LOCATED IN OXFORD, MAINE (207-539-6035).
2. CONCRETE MIX DESIGN SHALL BE 5000 PSI SCC.
3. COLOR TO BE SELECTED BY OWNER AND OWNER'S REPRESENTATIVE.
4. PRODUCT PROVIDED SHALL BE 5000 PSI SELF-CONSOLIDATING CONCRETE USING TYPE I WHITE OR TYPE III GRAY CEMENT AND LOCAL SAND AND AGGREGATES. CONCRETE SHALL BE AIR ENTRAINED 5-7% AND SUPERPLASTICIZED. FINISH SHALL BE A LIGHT ETCHED FINISH. REINFORCEMENT IS ASTM 615 GRADE 60.
5. MORTAR COLOR FOR THE WALL CAP SHALL BE SELECTED BY THE OWNER AND OWNER'S REPRESENTATIVE.
6. JOINTS IN CAP SHALL BE CENTERED ON GUARDRAIL POSTS OR DIRECTLY BETWEEN GUARDRAIL POSTS. CORNERS AND ANGLES IN CAP SHALL BE CUSTOM SINGULAR SECTIONS. SHOP DRAWINGS SHALL BE SUBMITTED FOR REVIEW AND APPROVAL OF LAYOUT.

BRICK VENEER SPECIFICATION:

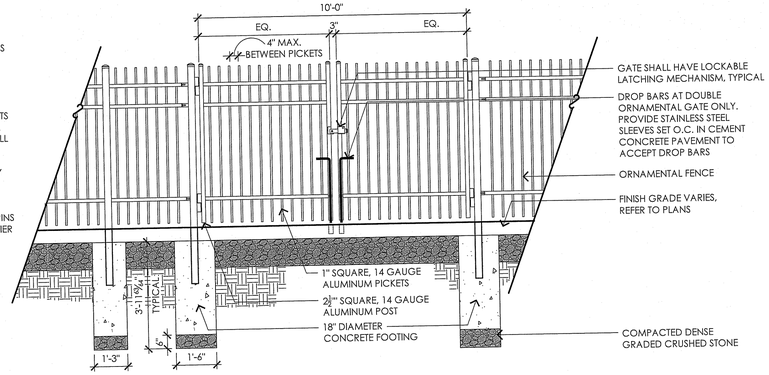
1. FACING BRICK: ASTM C 216, TYPE FBS GRADE SW, IN SIZE, TEXTURE AND COLOR TO MATCH APPROVED SAMPLES.
2. BRICK SIZE: "MODULAR", 3-5/8 INCHES THICK BY 2-1/4 INCHES HIGH BY 7-5/8 INCHES LONG.
3. SPECIFIED BRICK: REDLAND BRICK, INC. WILLIAMSPORT, MD, KF PLANT AS DISTRIBUTED BY MACK BRICK COMPANY, ENFIELD CT, PRODUCT/COLOR TO BE SELECTED BY THE OWNER.
4. GROUT COLOR SHALL BE SELECTED BY THE OWNER. CONTRACTOR TO SUBMIT GROUT COLOR FOR REVIEW.
5. CONTRACTOR SHALL SUBMIT SAMPLES OF BRICK, BLOCK, MORTAR AND CONSTRUCTION METHOD FOR REVIEW AND APPROVAL.

1 6' HIGH ORNAMENTAL FENCE AND GATES WITH MASONRY PIERS

NOT TO SCALE

NOTES:

1. REFER TO SPECIFICATIONS FOR ACCEPTABLE ORNAMENTAL FENCE MANUFACTURER AND MODEL.
2. MAINTAIN TOP OF PICKETS 6'-0" ABOVE GRADE. ALL PICKETS AND POSTS SHALL REMAIN PLUMB; NO STEPPING UNLESS OTHERWISE DIRECTED BY THE LANDSCAPE ARCHITECT.
3. UTILIZE STAINLESS STEEL PINS TO SECURE MASONRY PIER TO FOUNDATION.



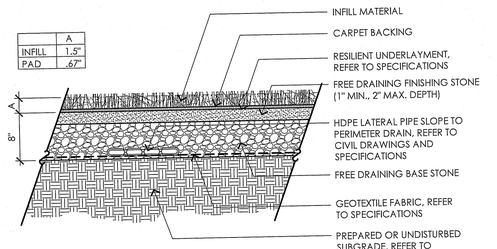
2 6' HIGH ORNAMENTAL FENCE AND GATE

NOT TO SCALE

NOTES:

1. REFER TO SPECIFICATIONS FOR TURF CARPET AND INFILL MATERIAL REQUIREMENTS.
2. TOP OF INFILL MATERIAL IS FINISHED GRADE, REFER TO GRADING PLAN.

	A
INFILL	1.5"
PAD	.67"

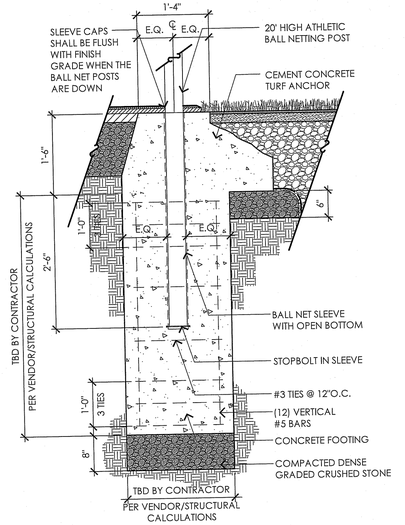


3 INFILLED SYNTHETIC TURF SYSTEM

NOT TO SCALE

NOTES:

1. SIZE OF 20' HIGH ATHLETIC BALL NETTING FOOTING AND REBAR IS SHOWN FOR INTENT ONLY. CONTRACTOR SHALL PROVIDE (AT HIS OWN COST) STRUCTURAL DESIGN OF THE FOUNDATIONS BY A STRUCTURAL ENGINEER LICENSED IN THE STATE OF RHODE ISLAND AND SHALL CARRY COSTS ASSOCIATED WITH STRUCTURAL DESIGN OF HIS/HER BID.
2. CONTRACTOR SHALL EXCAVATE FOR FOOTING TO DEPTH AS REQUIRED. REFER TO GEOTECHNICAL MEMORANDUM AND DESIGN RECOMMENDATIONS.
3. REBAR SHOWN FOR INTENT ONLY. MUST BE PROVIDED IN SHOP DRAWINGS NOTED ABOVE.

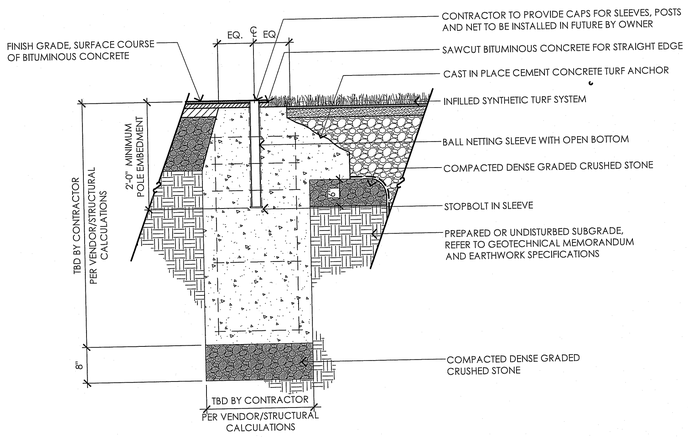


4 20' HIGH ATHLETIC BALL NETTING SYSTEM

NOT TO SCALE

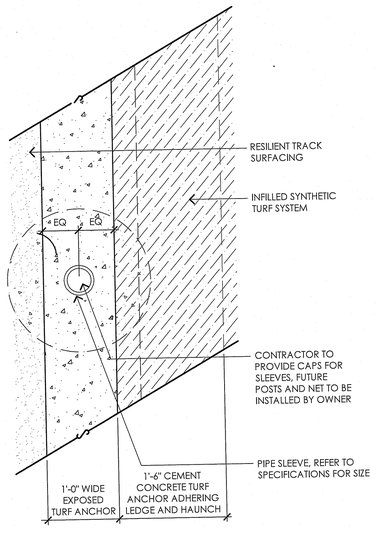
NOTES:

1. SIZE OF 10' HIGH BALL NETTING POST FOOTING IS SHOWN FOR INTENT ONLY. CONTRACTOR SHALL PROVIDE (AT HIS OWN COST) STRUCTURAL DESIGN OF THE FOUNDATIONS BY A STRUCTURAL ENGINEER LICENSED IN THE STATE OF RHODE ISLAND AND SHALL CARRY COSTS ASSOCIATED WITH STRUCTURAL DESIGN OF HIS/HER BID.
2. CONTRACTOR SHALL EXCAVATE FOR FOOTING TO DEPTH AS REQUIRED. REFER TO GEOTECHNICAL MEMORANDUM AND DESIGN RECOMMENDATIONS.
3. REBAR SHOWN FOR INTENT ONLY. MUST BE PROVIDED IN SHOP DRAWINGS NOTED ABOVE.



5 10' HIGH ATHLETIC BALL NETTING SYSTEM

NOT TO SCALE

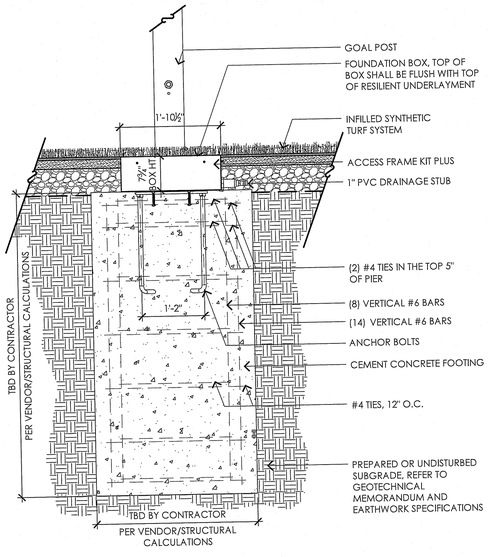


NOTES:

1. REFER TO SPECIFICATIONS FOR ATHLETIC EQUIPMENT INFORMATION AND ACCEPTABLE MANUFACTURERS.
2. REFER TO SPECIFICATIONS FOR GOAL POST PADDING REQUIREMENTS.
3. SIZE OF FOOTBALL GOAL POST FOOTING IS SHOWN FOR INTENT ONLY. CONTRACTOR SHALL PROVIDE (AT HIS OWN COST) STRUCTURAL DESIGN OF THE FOUNDATIONS BY A STRUCTURAL ENGINEER LICENSED IN THE STATE OF RHODE ISLAND AND SHALL CARRY COSTS ASSOCIATED WITH THE INSTALLATION OF THE STRUCTURAL DESIGN IN HIS BID.
4. REBAR SHOWN FOR INTENT ONLY. MUST BE PROVIDED IN SHOP DRAWINGS NOTED ABOVE.

PROVIDE HALF PATCH COVERS (2)

PROVIDE FULL PATCH COVER



6 GOAL POST FOUNDATION

NOT TO SCALE

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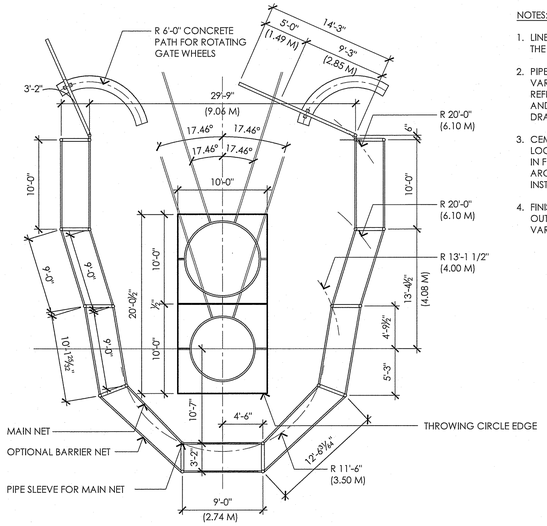
CHECKED BY:	SRC
DRAWN BY:	KH
APPROVED BY:	SRC

DRAWING TITLE:

SITE DETAILS 2

DRAWING NO.: L3.2

SHEET NO. 30 OF 36



NOTES:

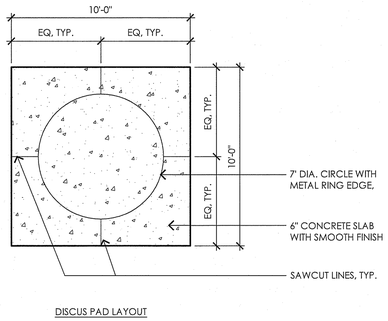
1. LINES SHALL NOT BE INSIDE THE CIRCLE.
2. PIPE SLEEVE LAYOUT MAY VARY BY MANUFACTURER. REFER TO SPECIFICATIONS AND APPROVED SHOP DRAWINGS.
3. CEMENT CONCRETE PAD LOCATION SHALL BE VERIFIED IN FIELD BY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
4. FINISHED GRADE MATERIAL OUTSIDE OF PAD AND CAGE VARIES.

1 HAMMER / DISCUS PAD AND CAGE

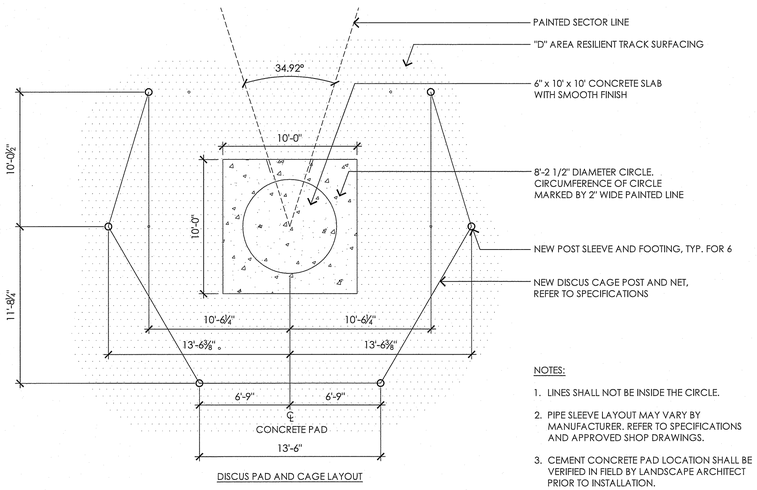
NOT TO SCALE

NOTE:

CORNERS OF PAD SHALL SITE AT ONE CONSISTENT ELEVATION; TRACK SURFACING SHALL SLOPE UP TO BE FLUSH WITH TOP OF PAD WITHIN 5' OF PAD.



DISCUS PAD LAYOUT



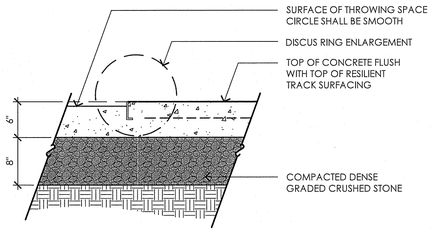
DISCUS PAD AND CAGE LAYOUT

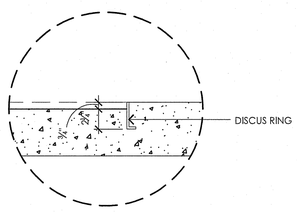
NOTES:

1. LINES SHALL NOT BE INSIDE THE CIRCLE.
2. PIPE SLEEVE LAYOUT MAY VARY BY MANUFACTURER. REFER TO SPECIFICATIONS AND APPROVED SHOP DRAWINGS.
3. CEMENT CONCRETE PAD LOCATION SHALL BE VERIFIED IN FIELD BY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.

2 DISCUS PAD AND CAGE LAYOUT

NOT TO SCALE

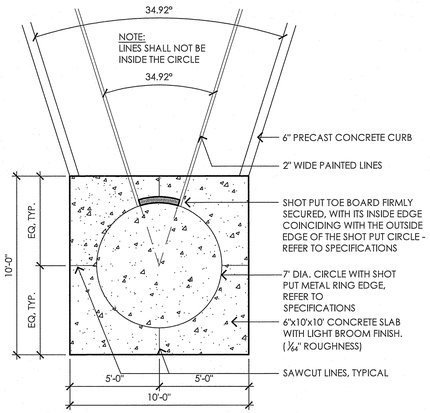


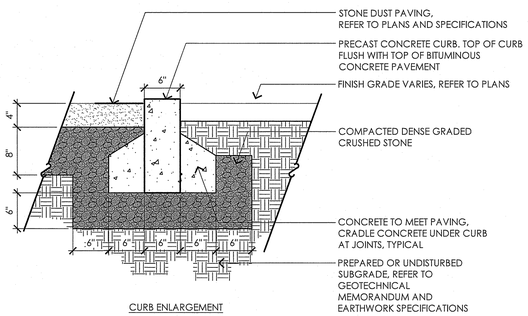


DISCUS RING ENLARGEMENT

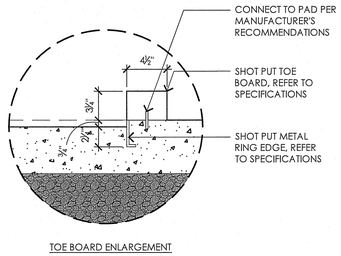
3 DISCUS PAD DETAIL

NOT TO SCALE

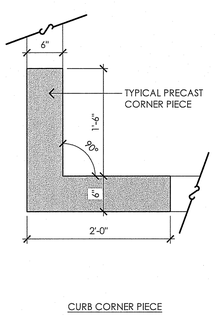




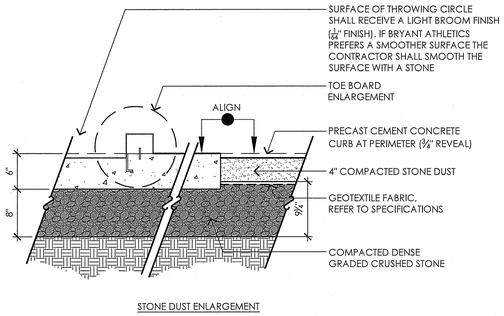
CURB ENLARGEMENT



TOE BOARD ENLARGEMENT



CURB CORNER PIECE



STONE DUST ENLARGEMENT

4 SHOT PUT PAD LAYOUT AND PRECAST CONCRETE CURB

NOT TO SCALE

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL
DATED: SEP 20 2024 FILE #: 24-0171
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
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SCALE ADJUSTMENT GUIDE
0" 1"
BAR IS ONE INCH ON ORIGINAL DRAWING

CASS PARK ATHLETIC FACILITY

WOONSOCKET, RHODE ISLAND

RECEIVED
Office of Water Resources
AUG 8 2024
State of Rhode Island

7/2/2024
REGISTERED LANDSCAPE ARCHITECT
STEPHEN CRISAFULLI
No. 661

NOT FOR CONSTRUCTION

REVISIONS:

PROJECT NO.:	21015.02
DATE:	JULY 2, 2024
SCALE:	AS NOTED
DESIGNED BY:	KH
CHECKED BY:	SRC
DRAWN BY:	KH
APPROVED BY:	SRC

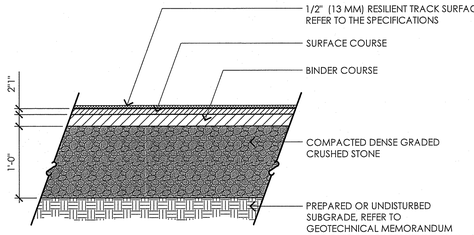
DRAWING TITLE:

SITE DETAILS 3

DRAWING NO.:

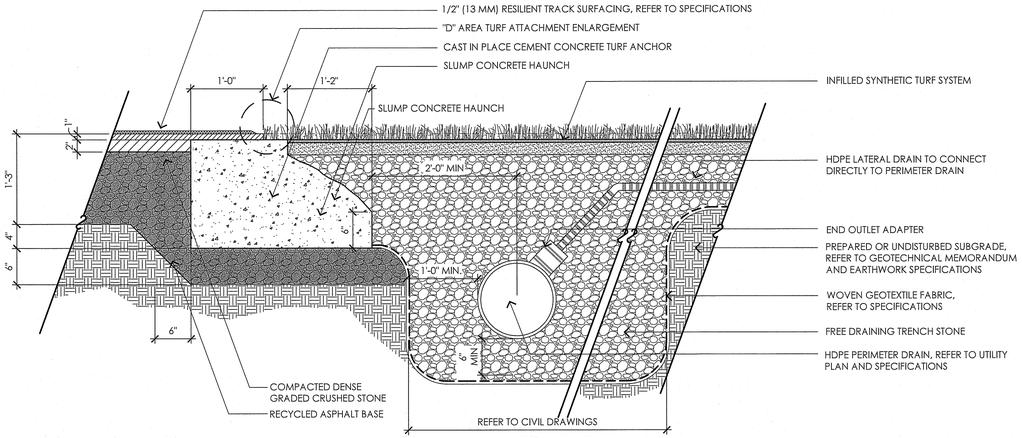
L3.3

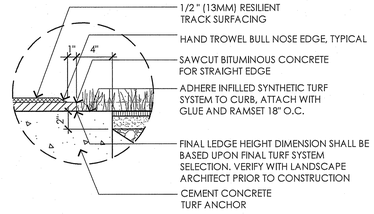
SHEET NO. 31 OF 36



1 BITUMINOUS CONCRETE PAVEMENT WITH RESILIENT TRACK SURFACING

NOT TO SCALE





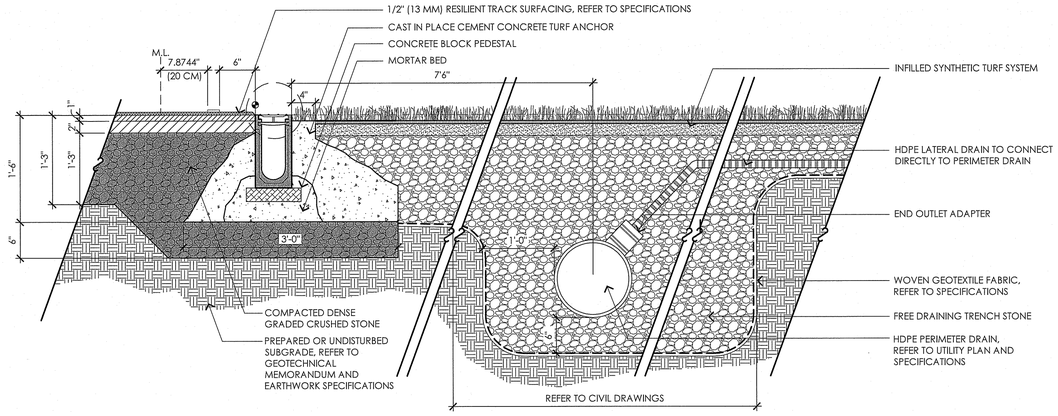
"D" AREA TURF ATTACHMENT ENLARGEMENT

2 CEMENT CONCRETE TURF ANCHOR AT "D" AREA

NOT TO SCALE

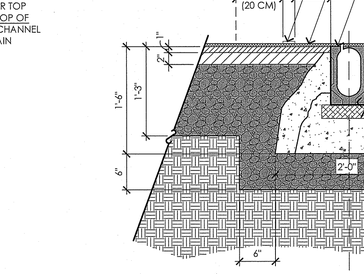
NOTES:

1. DESIGN OF CHANNEL DRAINS VARY PER MANUFACTURER, CHANNEL DRAIN SHOWN FOR GRAPHIC AND INSTALLATION INTENT ONLY. REFER TO SPECIFICATIONS FOR ACCEPTABLE MANUFACTURERS.
2. THE BITUMINOUS CONCRETE PAVEMENT BASE SHALL BE FLUSH WITH THE TOP OF THE CHANNEL DRAIN AND THE RESILIENT TRACK SURFACE SHALL HAVE A HAND TROWELED BULL-NOSE EDGE AT THE CHANNEL DRAIN.
3. REFER TO GRADING AND UTILITY PLANS AND SPECIFICATIONS FOR MATERIAL AND INSTALLATION REQUIREMENT OF NEW HEADER PIPE.



3 CHANNEL DRAIN AND CEMENT CONCRETE TURF ANCHOR AT FIELD EDGE

NOT TO SCALE

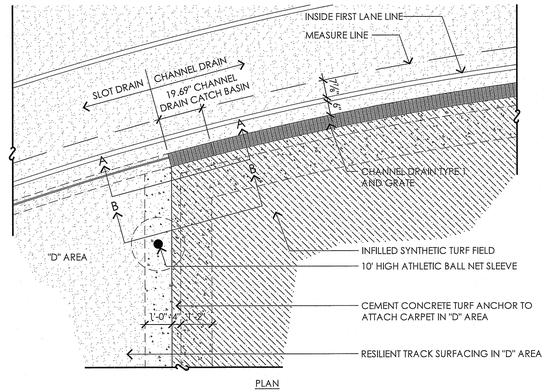


NOTES:

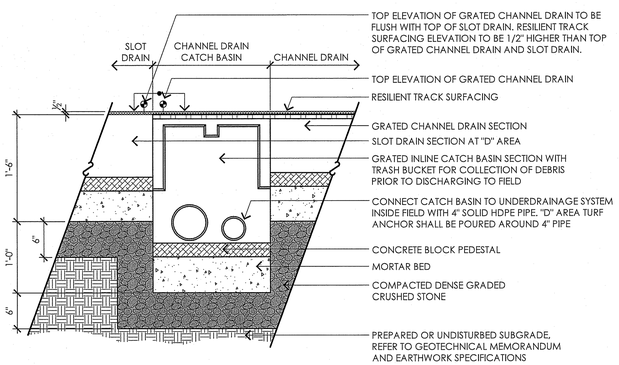
1. DESIGN OF SLOT DRAINS VARY PER MANUFACTURER, SLOT DRAIN SHOWN FOR GRAPHIC AND INSTALLATION INTENT ONLY. REFER TO SPECIFICATIONS FOR ACCEPTABLE MANUFACTURERS.
2. THE BITUMINOUS CONCRETE PAVEMENT BASE SHALL BE FLUSH WITH THE TOP OF THE SLOT DRAIN AND THE RESILIENT TRACK SURFACE SHALL BE INSTALLED OVER THE BITUMINOUS CONCRETE PAVEMENT AND SLOT DRAIN.

4 SLOT CHANNEL DRAIN AT "D" AREA

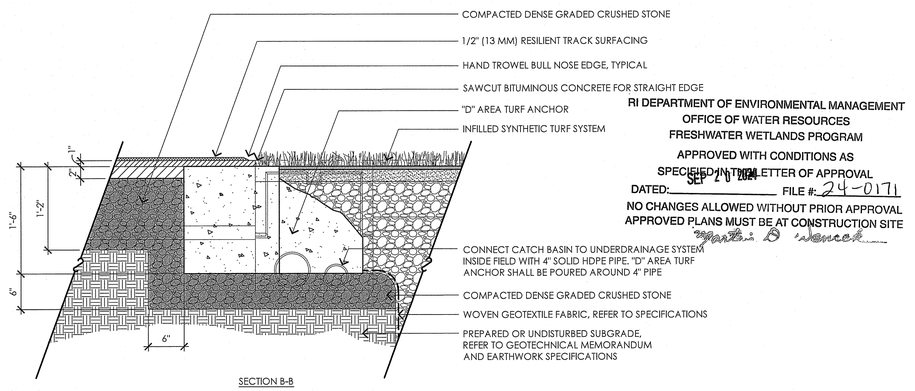
NOT TO SCALE



PLAN



SECTION A-A



SECTION B-B

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS SPECIFIED IN THIS LETTER OF APPROVAL
DATED: SEP 20 2024 FILE #: 24-0171
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Martin B Hanock

5 CHANNEL / SLOT DRAIN TRANSITION AT "D" AREA

NOT TO SCALE

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0" 1"
BAR IS ONE INCH ON ORIGINAL DRAWING

GASS PARK ATHLETIC FACILITY

WOONSOCKET, RHODE ISLAND

RECEIVED
AUG 30 2024
Office of Water Resources

7/1/2024
REGISTERED
STEPHEN CRISAFULLI
No. 661
LANDSCAPE ARCHITECT

NOT FOR CONSTRUCTION

REVISIONS:

PROJECT NO.:	21015.02
DATE:	JULY 2, 2024
SCALE:	AS NOTED
DESIGNED BY:	KH
CHECKED BY:	SRC
DRAWN BY:	KH
APPROVED BY:	SRC

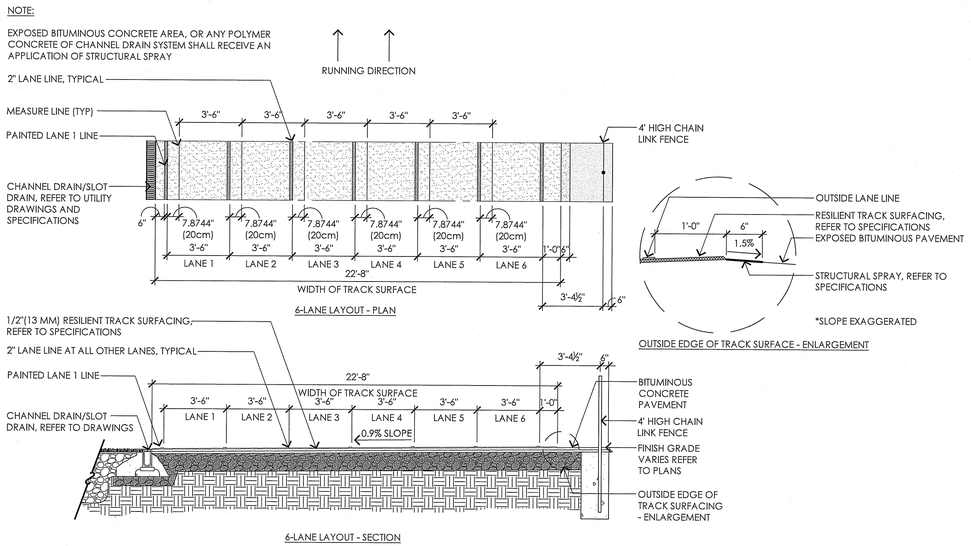
DRAWING TITLE:

SITE DETAILS 4

DRAWING NO.:

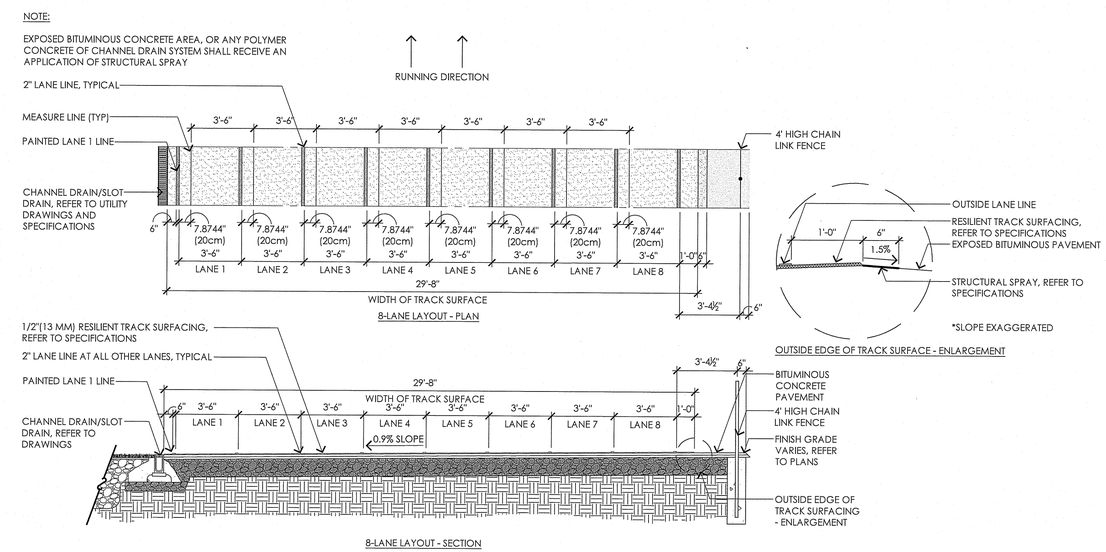
L3.4

SHEET NO. 32 OF 36



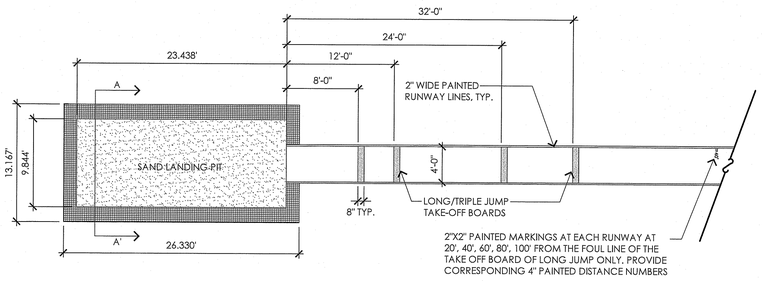
1 6 LANE HIGH SCHOOL TRACK RUNNING LANE LAYOUT

NOT TO SCALE



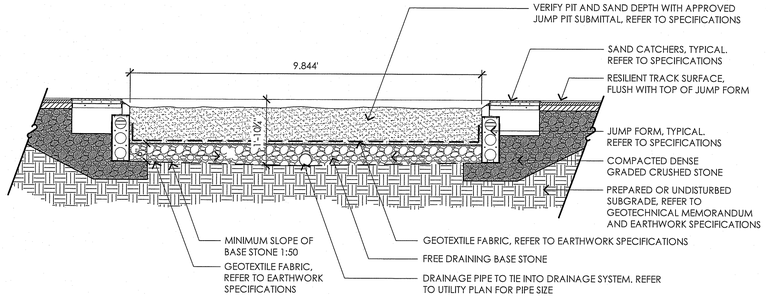
2 8 LANE HIGH SCHOOL TRACK RUNNING LANE LAYOUT

NOT TO SCALE



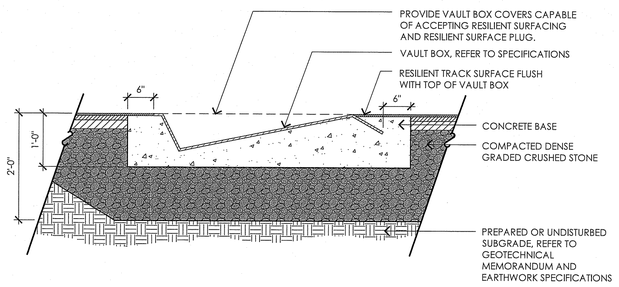
3 LONG / TRIPLE JUMP RUNWAYS AND LANDING PITS

NOT TO SCALE



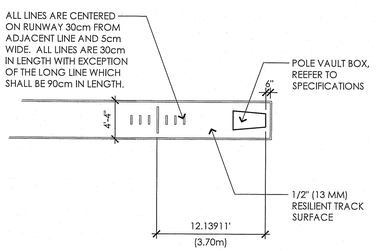
4 SAND LANDING PIT - SECTION A-A'

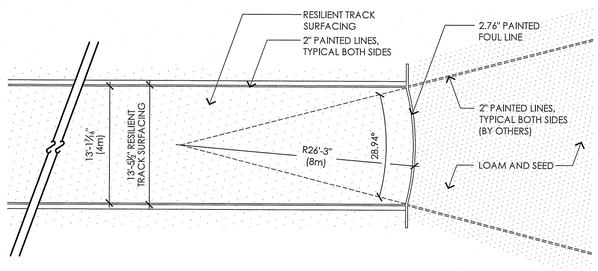
NOT TO SCALE



5 POLE VAULT BOX

NOT TO SCALE





6 JAVELIN RUNWAY

NOT TO SCALE

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
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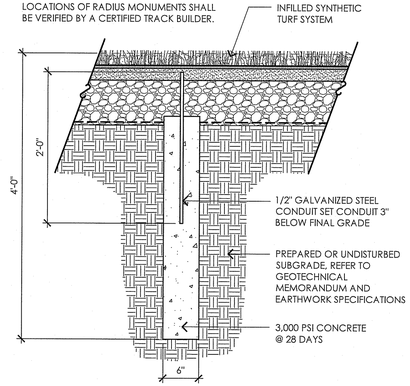
Martin D. Wenik

NOTE:
LOCATIONS OF RADIUS MONUMENTS SHALL BE VERIFIED BY A CERTIFIED TRACK BUILDER.



7 RADIUS MONUMENT

NOT TO SCALE

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CASS PARK ATHLETIC FACILITY

WOONSOCKET, RHODE ISLAND

7/2/2024
REGISTERED LANDSCAPE ARCHITECT
STEPHEN CRISAFULLI
No. 661

NOT FOR CONSTRUCTION

REVISIONS:

PROJECT NO.:	21015.02
DATE:	JULY 2, 2024
SCALE:	AS NOTED
DESIGNED BY:	KH
CHECKED BY:	SRC
DRAWN BY:	KH
APPROVED BY:	SRC

DRAWING TITLE:
SITE DETAILS 5

DRAWING NO.:
L3.5

SHEET NO. 33 OF 36

NOTES:

1. DESIGN OF CHANNEL DRAINS VARY PER MANUFACTURER, CHANNEL DRAIN SHOWN FOR GRAPHIC AND INSTALLATION INTENT ONLY. REFER TO SPECIFICATIONS FOR ACCEPTABLE MANUFACTURERS
2. THE BITUMINOUS CONCRETE PAVEMENT BASE SHALL BE FLUSH WITH THE TOP OF THE CHANNEL DRAIN AND THE RESILIENT TRACK SURFACE SHALL HAVE A HAND TROWELED BULL-NOSE EDGE AT THE CHANNEL DRAIN
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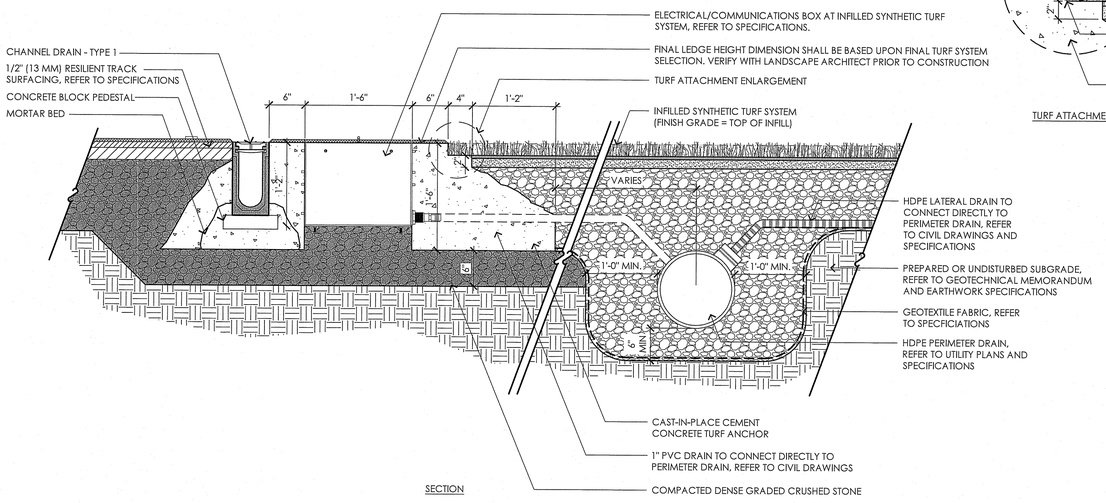
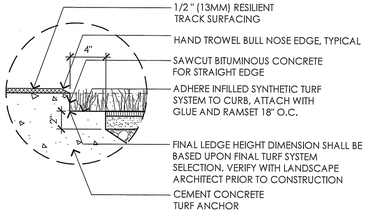
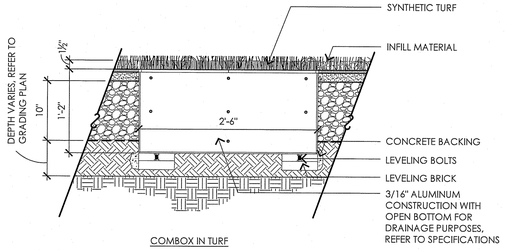


SECTION



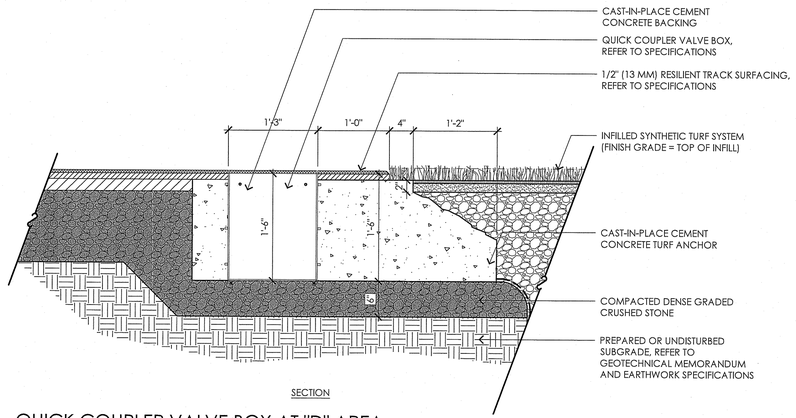
TURF ATTACHMENT ENLARGEMENT



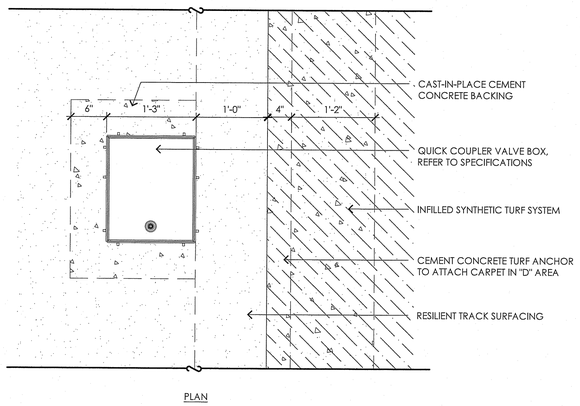
COMBOX IN TURF

1 ELECTRICAL/TELECOM BOX AT FIELD SIDELINE

NOT TO SCALE



SECTION



PLAN

2 QUICK COUPLER VALVE BOX AT "D" AREA

NOT TO SCALE

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
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CASS PARK ATHLETIC FACILITY

WOONSOCKET, RHODE ISLAND

RECEIVED
SEP 30 2024
Office of Water Resources

7/2/2024
REGISTERED LANDSCAPE ARCHITECT
STEPHEN CRISAFULLI
No. 661

NOT FOR CONSTRUCTION

REVISIONS:

PROJECT NO.:	21015.02
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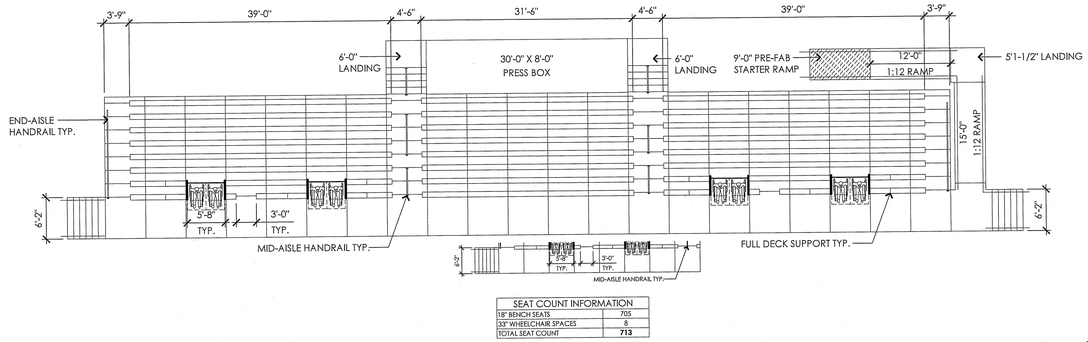
DESIGNED BY:	KH
CHECKED BY:	SRC
DRAWN BY:	KH
APPROVED BY:	SRC

DRAWING TITLE:
SITE DETAILS 6

DRAWING NO.:
L3.6

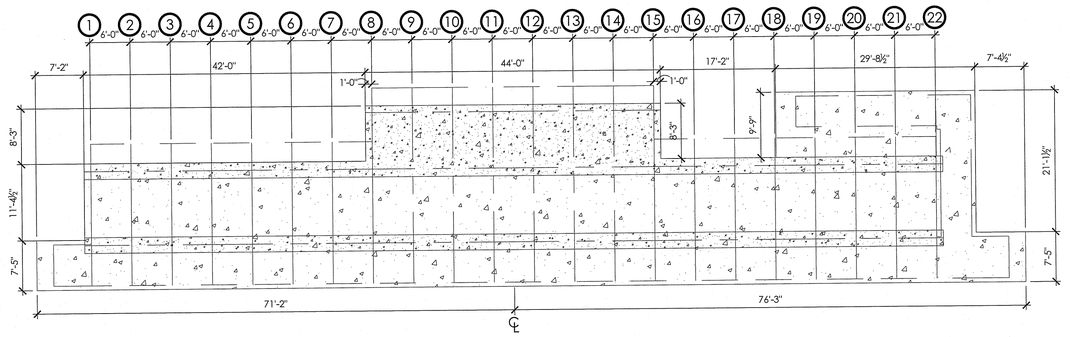
SHEET NO. 34 OF 36



SEAT COUNT INFORMATION	
18" BENCH SEATS	705
33" WHEELCHAIR SPACES	8
TOTAL SEAT COUNT	713

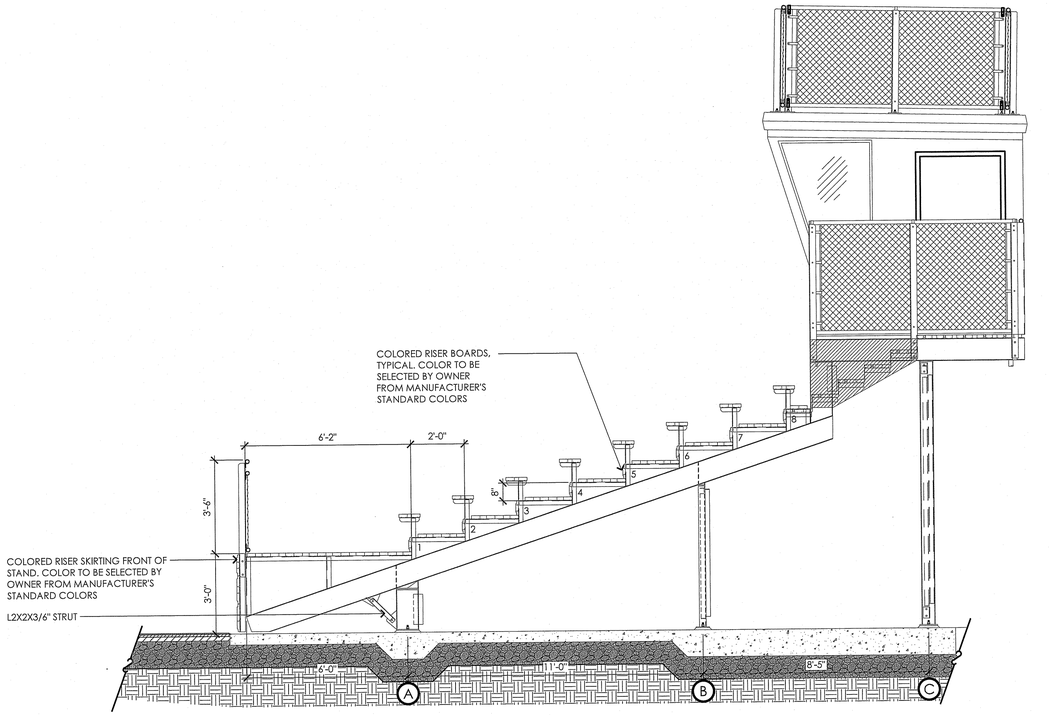
1 PERMANENT 8-ROW BLEACHER AND PRESS BOX

NOT TO SCALE



2 PERMANENT 8-ROW BLEACHER AND PRESS BOX CONCRETE SLAB

NOT TO SCALE



3 PERMANENT 8-ROW BLEACHER AND PRESS BOX SECTION

NOT TO SCALE

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OFFICE OF WATER RESOURCES
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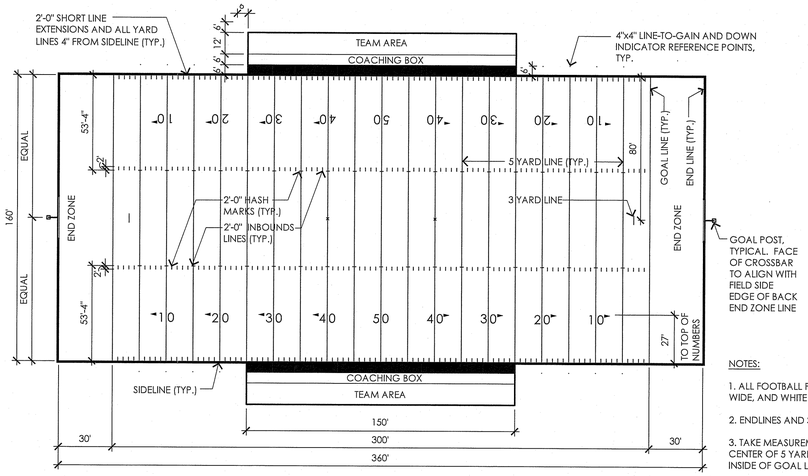
DRAWING TITLE:
SITE DETAILS 7

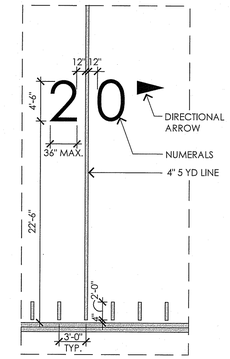
DRAWING NO.:
L3.7

SHEET NO. 35 OF 36



1 NFHS FOOTBALL FIELD LAYOUT

NOT TO SCALE



10 YARD NUMBERS

SCALE: 3/8"=10'-0"

NOTES:

1. ALL FOOTBALL FIELD LINES ARE 4" WIDE, SIDE AND END LINES ARE 12" WIDE, AND WHITE UNLESS OTHERWISE NOTED.

2. ENDLINES AND SIDELINES ARE CONSIDERED OUT OF BOUNDS.

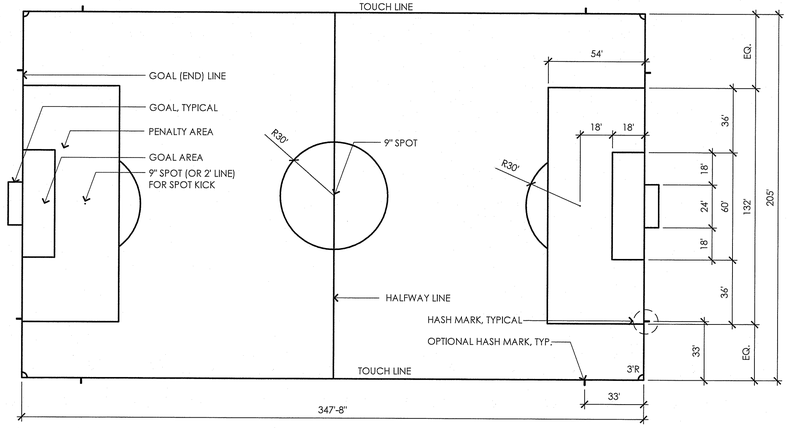
3. TAKE MEASUREMENTS FROM CENTER OF THE 50 YARD LINE TO CENTER OF 5 YARD LINES, AND FROM CENTER OF 50 YARD LINE TO INSIDE OF GOAL LINES, SIDE LINES, AND END LINES.

NOTES:

1. ALL SOCCER FIELD LINES ARE 4" WIDE AND YELLOW UNLESS OTHERWISE NOTED.

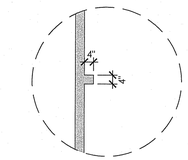
2. ENDLINES AND SIDELINES ARE CONSIDERED IN BOUNDS.

3. TAKE MEASUREMENTS FROM CENTER OF HALFWAY LINE AND FROM OUTSIDE TO OUTSIDE OF SIDE AND END LINES.



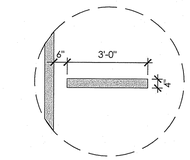
2 NFHS SOCCER FIELD LAYOUT AT TRACK AND FIELD

NOT TO SCALE



GOAL TICK MARK DETAIL

SCALE: 3/8"=1'-0"



HASH MARK DETAIL

SCALE: 3/8"=10'-0"

3 NFHS FIELD HOCKEY FIELD LAYOUT

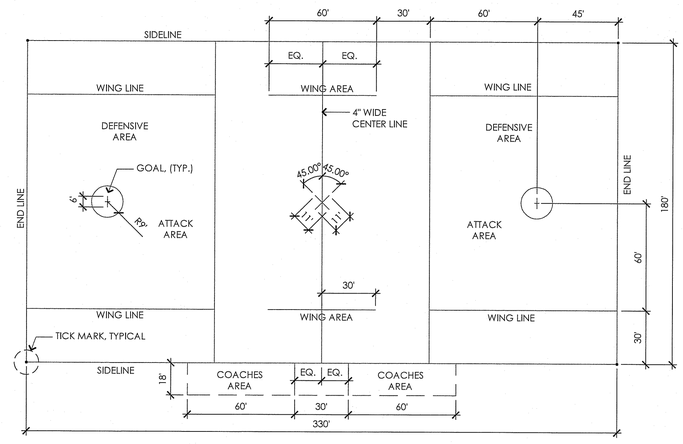
NOT TO SCALE

NOTES:

1. ALL FIELD HOCKEY FIELD LINES ARE 3" WIDE AND BLACK UNLESS OTHERWISE NOTED..

2. ENDLINES AND SIDELINES ARE CONSIDERED IN BOUNDS.

3. TAKE MEASUREMENTS FROM CENTER OF HALFWAY LINE AND FROM OUTSIDE TO OUTSIDE OF LINES.



4 NFHS BOYS' LACROSSE FIELD LAYOUT (TICK MARKS ONLY)

NOT TO SCALE

NOTES:

1. ALL BOYS' LACROSSE LINES TO BE PAINTED BY CONTRACTOR.

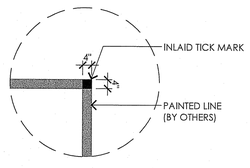
2. PROVIDE PERMANENT 4" X 4" TICK MARKS AT ALL CORNERS OF END LINES.

3. ENDLINES AND SIDELINES ARE CONSIDERED OUT-OF-BOUNDS.

4. TAKE MEASUREMENTS FROM CENTER OF HALFWAY LINE AND INSIDE TO INSIDE OF LINES.

5. ALL TICK MARKS TO BE INLAID.

6. ALL TICK MARKS SHALL BE NAVY BLUE



TICK MARK DETAIL

SCALE: N.T.S.

NOTES:

1. ALL GIRL'S LACROSSE FIELD LINES TO BE PAINTED BY CONTRACTOR.

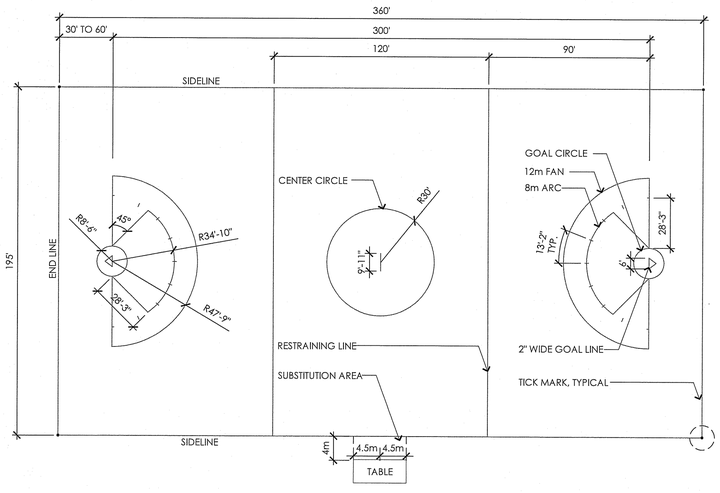
2. PROVIDE PERMANENT 2" X 2" TICK MARKS AT ALL CORNERS OF END LINES.

3. ENDLINES AND SIDELINES ARE CONSIDERED OUT OF BOUNDS.

4. TAKE MEASUREMENTS INSIDE TO INSIDE OF LINES.

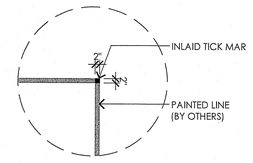
5. ALL TICK MARKS TO BE INLAID.

6. ALL TICK MARKS SHALL BE RED.



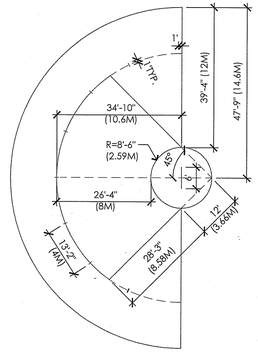
5 NFHS GIRLS' LACROSSE FIELD LAYOUT (TICK MARKS ONLY)

NOT TO SCALE



TICK MARK DETAIL

SCALE: N.T.S.



8 METER ARC/ 12 METER FAN DETAIL

SCALE: 1"=20'-0"

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS
SPECIFIED IN THE LETTER OF APPROVAL
DATED: SEP 20 2024 FILE #: 24-0171
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Martin D. Vernick

PARE

ACTIVITAS
landscape architecture | civil engineering
70 Milton Street | Dedham, MA 02026-2915
(781) 326-2600 | activitas.com

SCALE ADJUSTMENT GUIDE
0" 1"
BAR IS ONE INCH ON ORIGINAL DRAWING

CASS PARK ATHLETIC FACILITY

WOONSOCKET, RHODE ISLAND

RECEIVED
AUG 30 2024

7/2/2024
REGISTERED PROFESSIONAL LANDSCAPE ARCHITECT
STEPHEN CRISAFULLI
No. 661
LANDSCAPE ARCHITECT

NOT FOR CONSTRUCTION

REVISIONS:

PROJECT NO.:	21015.02
DATE:	JULY 2, 2024
SCALE:	AS NOTED
DESIGNED BY:	KH
CHECKED BY:	SRC
DRAWN BY:	KH
APPROVED BY:	SRC

DRAWING TITLE:

SITE DETAILS 8

DRAWING NO.: L3.8

SHEET NO. 36 OF 36