William S. Rogers High School

15 Wickham Road
Newport, RI 02840
Map/Plat 41 Lot 2 & 300

OWNER/APPLICANT:

City of Newport
c/o Joseph Nicholson, City Manager
43 Broadway
Newport, RI 02840

OWNERS PROJECT MANAGER:

Downes Construction Company LLC
10 Dorrance Street
Providence, RI 02903

CIVIL ENGINEER:

PARE

PARE CORPORATION
ENGINEERS - SCIENTISTS - PLANNERS

8 BLACKSTONE VALLEY PLACE, LINCOLN, RI 02865, 401-334-4100
10 LINCOLN ROAD, SUITE 210, FOXBORO, MA 02035, 508-543-1755
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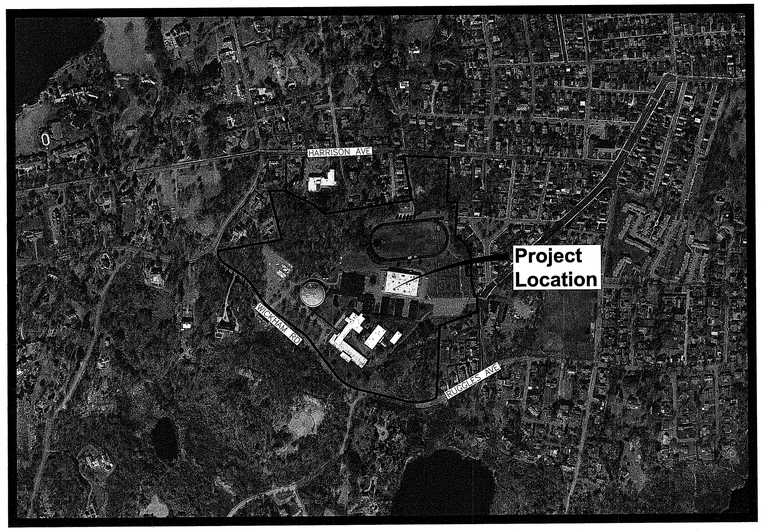

Scale : N.T.S.

RIDEM FRESHWATER WETLANDS PERMIT SUBMISSION
October 24, 2022
Revised January 13, 2023

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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: FEB 06 2023 FILE #: 22-0476
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Wendy L. Freeman

RI Environmental Management
JAN 13 2023
Office of Water Resources

REFERENCE

1. PROJECT LOCATION: WILLIAM S. ROGERS HIGH SCHOOL, 15 WICKHAM ROAD, NEWPORT, RI 02840. ASSESSOR'S MAP 41, LOT 002 & 300.
2. EXISTING CONDITIONS MAPPING TAKEN FROM PLAN ENTITLED "EXISTING CONDITIONS SURVEY" PREPARED BY WELCH ASSOCIATES LAND SURVEYORS, INC., DATED AUGUST 13, 2021.
3. EXISTING CONDITIONS MAPPING DEPICTING PRE-EXISTING CONDITIONS ASSOCIATED WITH THE HISTORIC UNITED STATES GOVERMENT OPERATED ANTI-AIRCRAFT BASE (BATTERY O'SHEA) TAKEN FROM PLAN ENTITLED "SITE SURVEY & EXISTING CONDITIONS" PREPARED BY KELLY & GRUZEN ARCHITECTS - ENGINEERS DATED AUGUST 9, 1954 REISSUED DECEMBER 15, 1994.
4. WETLAND FLAGS IDENTIFYING WETLAND RESOURCE AREAS WERE PLACED BY PARE CORPORATION ON JULY 8 AND JULY 9, 2021 AND LOCATED BY WELCH ASSOCIATES LAND SURVEYOR, INC.
5. WETLAND FLAGS IDENTIFYING WETLAND RESOURCE AREAS HAVE BEEN MODIFIED TO REFLECT THE COMMENTS RECEIVED ON APRIL 27, 2022 FROM RIDEM AS PART OF THEIR DETERMINATION ON THE REQUEST TO VERIFY DELINEATED WETLANDS (RIDEM APPLICATION NO. 22-0111).
6. "GEOTECHNICAL DESIGN BASIS REPORT" PREPARED BY PARE CORPORATION DATED APRIL 2022.
7. TEST PIT LOGS PREPARED BY PARE CORPORATION DATED JANUARY 31, 2022, FEBRUARY 1, 2022, FEBRUARY 2, 2022, AND MARCH 1, 2022.
8. "ASTM PHASE I ENVIRONMENTAL SITE ASSESSMENT, WILLIAMS S. ROGERS HIGH SCHOOL, 15 WICKHAM ROAD, NEWPORT, RI" PREPARED BY PARE CORPORATION OF DATED NOVEMBER 2021.
9. PHASE II ESA SAMPLING RESULTS INCLUSIVE OF "FIGURE 2 - SITE SAMPLING LOCATION PLAN" AND TABLES 1-5, SUMMARY DATA TABLES FOR VARIOUS MEDIA.

GENERAL NOTES

1. PER AVAILABLE RIDEM MAPPING, THE PROJECT SITE IS LOCATED OUTSIDE OF A NATURAL HERITAGE AREA.
2. THE STATE OF RHODE ISLAND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AMENDED MARCH 2018 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. 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.
4. 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.
5. 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.
6. 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.
7. 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.
8. ALL SITE WORK SHALL MEET OR EXCEED THE SITE WORK SPECIFICATIONS PREPARED FOR THIS PROJECT.
9. ALL SIGNS SHALL BE REFLECTORIZED TYPE III SHEETING AND CONFORM WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST REVISION.
10. 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.
11. 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.
2. ACCESSIBLE RAMPS SHALL BE PER THE AMERICANS WITH DISABILITIES ACT (ADA) ACCESSIBILITY GUIDELINES.
3. DIMENSIONS OF PARKING SPACES AND DRIVEWAYS ARE FROM FACE OF CURB 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 PRIOR 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 NEWPORT WATER POLLUTION CONTROL DIVISION.
11. ALL WATER LINE BENDS AND TEES SHALL BE REINFORCED WITH THRUST BLOCKS. ALL WATER DISTRIBUTION PIPING AND FITTINGS MUST ADHERE TO THE CITY OF NEWPORT DEPARTMENT OF UTILITIES WATER DIVISION 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 CITY OF NEWPORT WATER DIVISION 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.

CITY OF NEWPORT RIGHT OF WAY NOTES

1. ALL WORK TO BE PERFORMED WITHIN THE CITY OF NEWPORT'S RIGHT OF WAY SHALL CONFORM TO THE CITY OF NEWPORT STANDARD SPECIFICATIONS AND DETAILS.
2. THE CONTRACTOR SHALL APPLY FOR AND OBTAIN A UTILITY PERMIT FROM THE CITY OF NEWPORT FOR UTILITY WORK WITHIN THE RIGHT OF WAY AND MAKE ALL NECESSARY CONSTRUCTION NOTIFICATIONS, PAY FEES AND POST ALL BONDS ASSOCIATED WITH THE SAME, AND COORDINATE WITH THE ENGINEER AND OWNERS REPRESENTATIVE AS REQUIRED.
3. THE CONTRACTOR SHALL PREPARE A TRANSPORTATION MANAGEMENT PLAN INCLUDING TEMPORARY TRAFFIC CONTROL PLAN AT NO ADDITIONAL EXPENSE TO THE OWNER.
4. ALL TEMPORARY TRAFFIC CONTROLS SHALL BE IN ACCORDANCE WITH THE " MANUAL OF UNIFORM TRAFFIC CONTROLS DEVICES" (MUTCD), LATEST REVISION.

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 THEIR 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.
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 NEWPORT. 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.

CATCH BASINS WITH SUMPS INSPECTION, MAINTENANCE, AND REPAIR NOTES

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

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.

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 2.8" INCHES 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

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

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 2.8"
   - 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 AND BOTTOM OF BIORETENTION AREA A MINIMUM OF TWO TIMES PER YEAR.
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 MULCH LAYER.
6. TRASH AND DEBRIS SHALL BE REMOVED FROM BIORETENTION AREA AS NECESSARY.

DETENTION 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. SEDIMENT SHALL BE REMOVED FROM THE DETENTION BASIN WHEN THE SEDIMENT VOLUME EXCEEDS 10 PERCENT OF THE TOTAL BASIN VOLUME. THE REMOVED SEDIMENT SHALL BE DISPOSED OF AT AN APPROVED AND PERMITTED LOCATION.
2. FOLLOWING FIRST 6 MONTHS AFTER CONSTRUCTION
   - INSPECT INFILTRATION PRACTICES AFTER FIRST TWO RAINFALL EVENTS OF 1" OR MORE.
3. BI-ANNUALLY
   - INSPECT DETENTION BASIN A MINIMUM OF TWO TIMES PER YEAR, PREFERABLY ONCE IN APRIL AND ONCE IN OCTOBER.
   - MOW SIDE SLOPES AND BOTTOM OF DETENTION BASIN A MINIMUM OF TWO TIMES PER YEAR. THE VEGETATION SHALL NOT EXCEED 18" IN HEIGHT.
4. QUARTERLY
   - THE DETENTION BASIN OUTLET STRUCTURES AND ALL OUTFLOW CHANNELS SHOULD BE INSPECTED QUARTERLY BY THE OWNER.

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.

WATER QUALITY UNIT INSPECTION, MAINTENANCE, AND REPAIR NOTES

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

1. WATER QUALITY UNIT SHALL BE INSPECTED BI-ANNUALLY AND CLEANED WHEN POLLUTANT CAPACITY IS REDUCED BY 50% OR MORE, OR WHEN 50% OR MORE OF POLLUTANT STORAGE CAPACITY IS FILLED OR DISPLACED.
2. MAINTAIN IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
3. PROVIDE EVIDENCE OF A TWO YEAR MAINTENANCE CONTRACT. THE CONTRACTED PROVIDER MUST RECEIVE TRAINING BY THE MANUFACTURER ON HOW TO MAINTAIN THE WATER QUALITY UNIT.

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

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DATED: FEB 06 2023 FILE #: 22-0476
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APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Nancy L. Freeman

PARE

OWNER:
CITY OF NEWPORT
C/O JOSEPH NICHOLSON,
CITY MANAGER
43 BROADWAY
NEWPORT, RI 02840

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

William S. Rogers High School
15 Wickham Road
Newport, Rhode Island
Map/Plat 41 Lot 2 & 300

DAVID L. POTTER
No. 8665
REGISTERED PROFESSIONAL ENGINEER
(CIVIL)

REVISIONS:

1	01-13-2023	RIDEM RTC

RI Environmental Management
JAN 13 2023
Office of Water Resources

PROJECT NO.:	21106.00
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DRAWN BY:	AKL/AB
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DRAWING TITLE: NOTES

DRAWING NO.: C001

SHEET NO. 2 OF 59

Z:\JOBS\21 Jobs\21106.00 Newport - Rogers HS - RIDW\GIS\C1.1 NOTES & LEGEND.dwg

ABBREVIATIONS

GENERAL

AADT	ANNUAL AVERAGE DAILY TRAFFIC
ABAN	ABANDON
ADA	AMERICANS WITH DISABILITIES ACT
ADJ	ADJUST
APPROX	APPROXIMATE
A.C.	ASPHALT CONCRETE
ACCM PIPE	ASPHALT COATED CORRUGATED METAL PIPE
ASSF	AREA SUBJECT TO STORM FLOWAGE
ATD	ASPHALT TURNDOWN (SEE DETAIL)
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
BP2	BID PACKAGE #2
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)
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 (SEE DETAIL)
CE	CONSTRUCTION ENTRANCE
CEM	CEMENT
CFS	COMPOST FILTER SOCK (SEE DETAIL)
CG	CLEAR AND GRUB VEGETATION
CH	CHORD LENGTH
CHDPE	CORRUGATED HIGH DENSITY POLYETHYLENE PIPE
CI	CURB INLET
CIP	CAST IRON PIPE
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
CMR	CODE OF MASSACHUSETTS REGULATIONS
CP	CONCRETE PAD
CR GR	CROWN GRADE
CRW	CROSSWALK (SEE DETAIL)
CSP	CORRUGATED STEEL PIPE
CSTR	CONCRETE STAIRS (SEE DETAIL)
CTE	CONNECT TO EXISTING
CW	CROSSWALK (SEE DETAIL)
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
DWP	DETECTABLE WARNING PAVER (SEE DETAIL)
DYL	DOUBLE YELLOW LINE
DW	STEADY DON'T WALK - PORTLAND ORANGE
DWL	DOTTED WHITE LINE
DWY	DRIVEWAY
ELEV (or EL.)	ELEVATION
EMB	EMBANKMENT
EMH	ELECTRIC MANHOLE
EOP	EDGE OF PAVEMENT
ETR	EXISTING TO REMAIN. PROTECT DURING CONSTRUCTION.
ESHGWT	ESTIMATED SEASON HIGH GROUND WATER TABLE
EXIST (or EX)	EXISTING
EXC	EXCAVATION
F&C	FRAME AND COVER
F&G	FRAME AND GRATE
FDC	FIRE DEPARTMENT CONNECTION
FDN.	FOUNDATION
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 (SEE DETAIL)
HDHMA	HEAVY DUTY HOT MIX ASPHALT (SEE DETAIL)
HDPE	HIGH DENSITY POLYETHYLENE PIPE
HDPS	HANDICAP ACCESSIBLE PARKING SIGN (SEE DETAIL)
HDW	HEADWALL
HMA	HOT MIX ASPHALT
HMAW	HOT MIXED ASPHALT WALKWAY (SEE DETAIL)
HDW	HEADWALL
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
LS	LOAM AND SEED (SEE DETAIL)
LSOD	LOAM AND SOD (SEE DETAIL)
LT	LEFT
LTP	LIGHT POLE
MAX	MAXIMUM
MB	MAILBOX
MCW	MONOLITHIC CONCRETE WALK
MH	MANHOLE
MHB	MASSACHUSETTS HIGHWAY BOUND
MIN	MINIMUM
MON	MONITORING
MUTCD	MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION
NIC	NOT IN CONTRACT
NO.	NUMBER
NTS	NOT TO SCALE
OCS	OUTLET CONTROL STRUCTURE
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
PCR	PEDESTRIAN CURB RAMP
PDTC	PRECAST CONCRETE TRANSITION CURB
PE	POLYETHYLENE
PERF	PRFORATED
P.G.L.	PROFILE GRADE LINE
PHMA	POROUS HOT MIXED ASPHALT PAVEMENT (SEE DETAIL)
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=X'	RADIUS
RA	RAILING
RCP	REINFORCED CONCRETE PIPE
RDWY	ROADWAY
REM	REMOVE
RET	RETAIN
RET WALL	RETAINING WALL
RLS	RIPRAP LEVEL SPREADER (SEE DETAIL)
ROW	RIGHT OF WAY
RR	RAILROAD
RRS	RIPRAP SLOPE (SEE DETAIL)
RS	RIPRAP SPILLWAY (SEE DETAIL)
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
QPA	QUALIFYING PERVIOUS AREA
S	SLOPE
SB	SAND BAG EROSION CONTROL BARRIER (SEE DETAIL)
SDR	STANDARD DIMENSIONAL RATIO
SED	SEDIMENT
SESC	SOIL EROSION AND SEDIMENT CONTROL
SFL	STATE FREEWAY LINE
SFCD	SEDIMENT FOREBAY CHECK DAM (SEE DETAIL)
SG	SWING GATE
SHL	STATE HIGHWAY LINE
SHLD	SHOULDER
SHLO	STATE HIGHWAY LAYOUT
SHP	HANDICAP PARKING PAVEMENT MARKING (SEE DETAIL)
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
TD	TEMPORARY DIVERSION
TDS	TEMPORARY DIVERSION SWALE
TGP	TREE GROUP PROTECTION (SEE DETAIL)
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
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

LEGEND

EXISTING		PROPOSED
	PROPERTY LINE	
	SETBACKS	
255	CONTOUR	262
X 407.5	SPOT ELEVATION	X 261.5
D D	DRAINAGE LINE	D D
W W	WATER LINE	W W
	FIRE WATER LINE	FW FW
S S	SANITARY SEWER LINE	S S
G G	GAS LINE	G G
E E	ELECTRIC	E E
T T	TELEPHONE LINE	T T
OHW	OVERHEAD ELECTRIC LINE	
	LIMIT OF DISTURBANCE	LOD
	LIMIT OF DISTURBANCE/COMPOST FILTER SOCK	LOD/CFS
	LIMIT OF WORK	LOW
B B	CATCH BASIN	
	AREA DRAIN	
	YARD DRAIN	
	HYDRANT	
D	DRAINAGE MANHOLE	
S	SEWER MANHOLE	
	UTILITY POLE	
WG	WATER VALVE	
GG	GAS GATE	
	LIGHT POLE	LTD
	TREE LINE	
	STONE WALL	
X X	FENCE	
	CURBING	
	EDGE OF PAVEMENT	
	SAWCUT LINE	
	SIGN	
	COMPOST FILTER SOCK	
	SAND BAGS	
#	NO. OF PARKING SPACES	#
WF/X-X WF/X-X	WETLAND EDGE	
	25' BUFFER	
	50' BUFFER	
	100' JURISDICTIONAL AREA	
	20' PRIMARY STRUCTURE SETBACK	
	VEHICULAR CONCRETE PAVEMENT	
	HOT MIX ASPHALT	
	2" MILL & HMA CLASS 12.5 OVERLAY	
	LEDGE	

RHODE ISLAND STANDARD DETAILS

2.1.0	=	CONCRETE HEADWALLS FOR PIPE CULVERTS - R.I. STD. 2.1.0
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
4.2.1	=	PRECAST 5'-0" ROUND MANHOLE - R.I. STD. 4.2.1
4.2.2	=	PRECAST 6'-0" ROUND MANHOLE - R.I. STD. 4.2.2
4.4.0	=	PRECAST 4'-0", 5'-0", OR 6'-0" ROUND CATCH BASIN - R.I. STD. 4.4.0
4.7.2	=	ALTERNATE TOP COVER FOR ROUND PRECAST MANHOLES AND CATCH BASINS - R.I. STD. 4.7.2
7.1.0	=	PRECAST CONCRETE CURB - R.I. STD. 7.1.0
7.1.1	=	3'-0" PRECAST CONCRETE TRANSITION CURB - R.I. STD. 7.1.1
7.1.2	=	6'-0" PRECAST CONCRETE TRANSITION CURB - R.I. STD. 7.1.2
7.1.3	=	PRECAST CONCRETE WHEELCHAIR RAMP TRANSITION CURB
7.1.4	=	PRECAST CONCRETE 2'-0" RADIUS CURB - R.I. STD. 7.1.4
7.1.9	=	PRECAST CONCRETE RAMP STONE - R.I. STD. 7.1.9
7.2.0	=	PRECAST CONCRETE SLOPED FACE CURB - R.I. STD. 7.2.0
7.2.2	=	PRECAST CONCRETE TRANSITION CURB (VERTICAL FACE TO SLOPED FACE- R.I. STD. 7.2.2
7.2.4	=	PRECAST CONCRETE CAR STOPS - R.I. STD. 7.2.4
7.3.0	=	GRANITE CURB - R.I. STD. 7.3.0
7.3.1	=	3'-0" GRANITE TRANSITION CURB - R.I. STD. 7.3.1
7.3.2	=	6'-0" GRANITE TRANSITION CURB - R.I. STD. 7.3.2
7.5.1	=	BITUMINOUS BERM - R.I. STD. 7.5.1
9.7.0	=	DEWATERING BASIN - R.I. STD. 9.7.0
9.9.0	=	CONSTRUCTION ACCESS - R.I. STD. 9.9.0
24.2.0	=	SIGN POST SELECTION AND INSTALLATION DETAILS U-CHANNEL POST - R.I. STD. 24.2.0
34.4.0	=	STEEL BACKED TIMBER GUARDRAIL - R.I. STD. 34.4.0
43.3.0	=	WHEELCHAIR RAMP - R.I. STD. 43.3.0
43.3.1	=	WHEELCHAIR RAMP FOR LIMITED RIGHT-OF-WAY AREAS - R.I. STD. 43.3.1
43.3.2	=	RAMP-LANDING FOR NARROW SIDEWALK - R.I. STD. 43.3.2
47.1.1	=	TRANSVERSE PAVEMENT CUT AND MATCH - R.I. STD. 47.1.1
48.1.0	=	DETECTABLE WARNING PANEL PLACEMENT - R.I. STD. 48.1.0

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C/O JOSEPH NICHOLSON,
CITY MANAGER
43 BROADWAY
NEWPORT, RI 02840

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

William S. Rogers High School
15 Wickham Road
Newport, Rhode Island
Map/Plat 41 Lot 2 & 300

DAVID L. POTTER
No. 8665
REGISTERED PROFESSIONAL ENGINEER
(CIVIL)

RI Environmental Management
JAN 25 2023
Office of Water Resources

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1	01-13-2023	RIDEM RTC

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DRAWING TITLE:
LEGEND

DRAWING NO.:
C002
SHEET NO. 3 OF 83

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REFER TO C105, C205, C305, C405, C505 & C605

REFER TO C105, C205, C305, C405, C505 & C605

REFER TO C103, C203, C303, C403, C503 & C603

REFER TO C104, C204, C304, C404, C504 & C604

REFER TO C101, C201, C301, C401, C501 & C601

REFER TO C102, C202, C302, C402, C502 & C602

PROPOSED BUILDING

HARRISON LANE

SULLIVAN STREET

NORMAN STREET

OLD FORT ROAD

WICKHAM ROAD

RUGGLES AVENUE

(SEE NOTE 4)

POTENTIAL VERNAL POOL (TO BE FIELD VERIFIED)

75' BUFFER

100' JURISDICTIONAL AREA

50' BUFFER

20' PRIMARY STRUCTURE SETBACK

DECIDUOUS FORESTED SWAMP

FORESTED WETLAND

FLOOD ZONE LINE (SEE NOTE 5)

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Scale: 1"=60'
0 30' 60' 120'

Z:\JOBS\21 Jobs\21106.00 Newport - Rogers HS - RIDIV\GIS\C1.3 OVERALL PLAN.dwg

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DRAWING TITLE:

OVERALL PLAN

DRAWING NO.:

C003

SHEET NO. 4 OF 59

Revised LOD per RIDEM

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STOCKPILE AREA
CONTRACTOR SHALL MANAGE STORMWATER RUNOFF FROM STOCKPILE AREA. STOCKPILES SHALL BE COVERED FOR DUST CONTROL, TO MINIMIZE EROSION, AND IN A MANNER THAT WILL NOT INCREASE STORMWATER RUNOFF TO OFF-SITE PROPERTIES.

REFER TO C105

REFER TO C105

CONTRACTOR SHALL FURNISH AND INSTALL A TEMPORARY CONSTRUCTION ACCESS DRIVE TO PROVIDE A SAFE, STABILIZED MEANS TO ACCESS THE LOWER FIELD THROUGHOUT CONSTRUCTION. CONTRACTOR MAY SELECT THE SURFACE MATERIAL, EXPAND THE WIDTH AND ALTER THE ALIGNMENT OF THE TEMPORARY CONSTRUCTION ACCESS DRIVE AS REQUIRED AT NO ADDITIONAL COST TO THE OWNER. CONSTRUCTION ACCESS DRIVE SHALL NOT IMPACT WETLAND.

AUTO FUEL AREA
KEEP SPILL KIT IN PROXIMITY TO FUELING AREA

TST-2

PROVIDE BELOW GRADE CONCRETE WASHOUT AREA

TST-4

REFER TO C103

REFER TO C104

PROPOSED BUILDING

TST-1

TST-3

REFER TO C101

REFER TO C102

LEGEND

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

Scale: 1"=60'
0 30' 60' 120'

HARRISON LANE

SULLIVAN STREET

NORMAN'S CT

OLD FORT ROAD

WICKHAM ROAD

WICKHAM ROAD

Z:\JOBS\21 Jobs\21106.00 Newport - Rogers HS - RIDIV\GIS\C2.1 EROSION & SEDIMENT CONTROL PLAN.dwg

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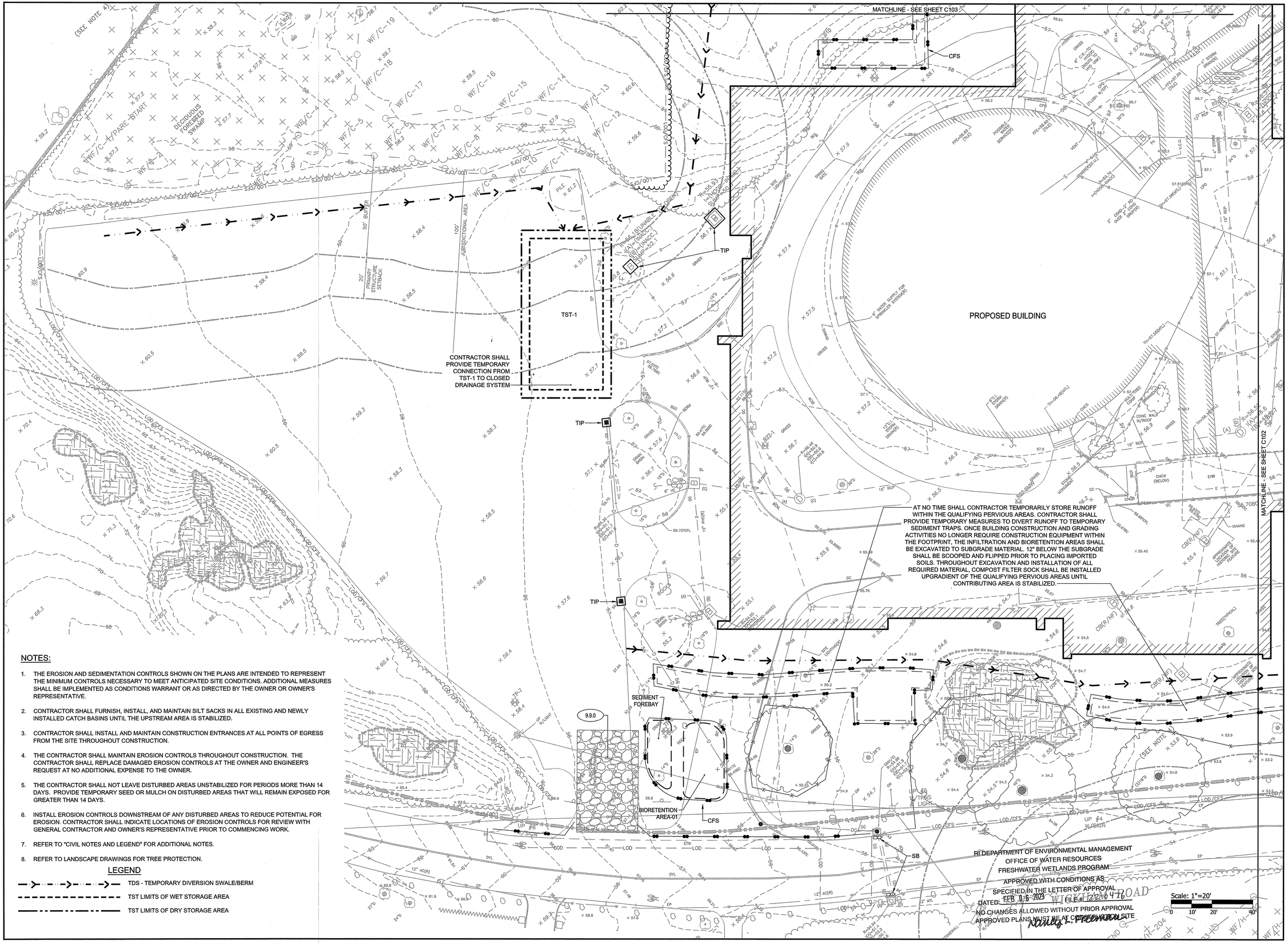
DRAWING TITLE:

OVERALL EROSION & SEDIMENT CONTROL PLAN

DRAWING NO.:
C100

SHEET NO. 5 OF ~~58~~ 59



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. REFER TO "CIVIL NOTES AND LEGEND" FOR ADDITIONAL NOTES.
8. REFER TO LANDSCAPE DRAWINGS FOR TREE PROTECTION.

LEGEND

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

Z:\JOBS\21 Jobs\21106.00 Newport - Rogers HS - RIDWS\C2-1 EROSION & SEDIMENT CONTROL PLAN.dwg

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15 Wickham Road
Newport, Rhode Island
Map/Plat 41 Lot 2 & 300

DAVID L. POTTER
No. 8665
REGISTERED PROFESSIONAL ENGINEER
STATE OF RHODE ISLAND

REVISIONS:

1	01-13-2023	RIDEM RTC

RI Department of Environmental Management
JAN 12 2023
Office of Water Resources

PROJECT NO.:	21106.00
DATE:	OCTOBER 24, 2022
SCALE:	1"=20'
DESIGNED BY:	NPC/ACB
CHECKED BY:	VAH/MAB
DRAWN BY:	AKL/AB
APPROVED BY:	DLP

DRAWING TITLE:

EROSION & SEDIMENT CONTROL PLAN 1

DRAWING NO.:
C101
SHEET NO. 6 OF 59

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. REFER TO "CIVIL NOTES AND LEGEND" FOR ADDITIONAL NOTES.
8. REFER TO LANDSCAPE DRAWINGS FOR TREE PROTECTION.

LEGEND

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

AT NO TIME SHALL CONTRACTOR TEMPORARILY STORE RUNOFF WITHIN THE QUALIFYING PERVIOUS AREAS. CONTRACTOR SHALL PROVIDE TEMPORARY MEASURES TO DIVERT RUNOFF TO TEMPORARY SEDIMENT TRAPS. ONCE BUILDING CONSTRUCTION AND GRADING ACTIVITIES NO LONGER REQUIRE CONSTRUCTION EQUIPMENT WITHIN THE FOOTPRINT, THE INFILTRATION AND BIORETENTION AREAS SHALL BE EXCAVATED TO SUBGRADE MATERIAL. 12" BELOW THE SUBGRADE SHALL BE SCOOPED AND FLIPPED PRIOR TO PLACING IMPORTED SOILS. THROUGHOUT EXCAVATION AND INSTALLATION OF ALL REQUIRED MATERIAL, COMPOST FILTER SOCK SHALL BE INSTALLED UPGRADIENT OF THE QUALIFYING PERVIOUS AREAS UNTIL CONTRIBUTING AREA IS STABILIZED.

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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: FEB 06 2023 FILE #: 22-0476
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Nancy L. Freeman

PROPOSED BUILDING

MATCHLINE - SEE SHEET C104

MATCHLINE - SEE SHEET C101

BIORETENTION AREA-05

DETENTION BASIN -01

SEDIMENT FOREBAY

TST-3

CFS

SB

UP #1 W/LIGHT

UP #2

UP #61

Scale: 1"=20'
0 10' 20' 40'

Z:\JOBS\21 Jobs\21106.00 Newport - Rogers HS - RIDWGS\C2.1 EROSION & SEDIMENT CONTROL PLAN.dwg

PARE

OWNER:
CITY OF NEWPORT
C/O JOSEPH NICHOLSON,
CITY MANAGER
43 BROADWAY
NEWPORT, RI 02840

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

William S. Rogers High School

15 Wickham Road
Newport, Rhode Island
Map/Plat 41 Lot 2 & 300

DAVID L. POTTER
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REVISIONS:

1	01-13-2023	RIDEM RTC

RI Environmental Management
JAN 26 2023
Office of Water Resources

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CHECKED BY:	VAH/MAB
DRAWN BY:	AKL/AB
APPROVED BY:	DLP

DRAWING TITLE:

EROSION & SEDIMENT CONTROL PLAN 2

DRAWING NO.:
C102
SHEET NO. 7 OF 88

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. REFER TO "CIVIL NOTES AND LEGEND" FOR ADDITIONAL NOTES.
8. REFER TO LANDSCAPE DRAWINGS FOR TREE PROTECTION.

LEGEND

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

MATCHLINE - SEE SHEET C105

MATCHLINE - SEE SHEET C105

MATCHLINE - SEE SHEET C101

MATCHLINE - SEE SHEET C104

TIP

TIMBER GUARDRAIL OR APPROVED EQUIVALENT

REFER TOC100 OVERALL EROSION & SEDIMENT CONTROL PLAN FOR LIMIT OF WORK, TEMPORARY CONSTRUCTION ACCESS TO STOCKPILE AREA, AND LIMITS OF STOCKPILE AREA

CONTRACTOR TO LOAM AND SEED SIDE SLOPES AND PROVIDE EROSION CONTROLS AS NECESSARY TO PREVENT EROSION

TEMPORARY GRADING CONDITIONS FOR USE DURING CONSTRUCTION

CONTRACTOR SHALL FURNISH AND INSTALL A TEMPORARY CONSTRUCTION ACCESS DRIVE TO PROVIDE A SAFE, STABILIZED MEANS TO ACCESS THE LOWER FIELD THROUGHOUT CONSTRUCTION. CONTRACTOR MAY SELECT THE SURFACE MATERIAL, EXPAND THE WIDTH AND ALTER THE ALIGNMENT OF THE TEMPORARY CONSTRUCTION ACCESS DRIVE AS REQUIRED AT NO ADDITIONAL COST TO THE OWNER. CONSTRUCTION ACCESS DRIVE SHALL NOT IMPACT WETLAND.

CONTRACTOR SHALL PROVIDE TEMPORARY CONNECTION FROM TST-02 TO CLOSED DRAINAGE SYSTEM. RUN OFF SHALL NOT BE DIRECTED TOWARDS THE WETLAND OR EXISTING TRACK AND FIELD.

BIORETENTION AREA-03

TST-2

PROVIDE BELOW GRADE CONCRETE WASHOUT AREA

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AUTO FUEL AREA, KEEP SPILL KIT IN PROXIMITY TO FUELING AREA

PROPOSED BUILDING

BIORETENTION AREA-02

SEDIMENT FOREBAY

CFS

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
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DATED: FEB 06 2023 FILE #: 220476
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Nancy L. Freeman

Scale: 1"=20'

Z:\JOBS\21 Jobs\21106.00 Newport - Rogers HS - RIDWGS\C2.1 EROSION & SEDIMENT CONTROL PLAN.dwg

PARE

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DAVID L. POTTER
No. 8665
REGISTERED PROFESSIONAL ENGINEER (CIVIL)

REVISIONS:

1	01-13-2023	RIDEM RTC

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APPROVED BY:	DLP

DRAWING TITLE:

EROSION & SEDIMENT CONTROL PLAN 3

DRAWING NO.: C103

SHEET NO. 8 OF 85

MATCHLINE - SEE SHEET C105

MATCHLINE - SEE SHEET C103

MATCHLINE - SEE SHEET C102

CONTRACTOR SHALL PROVIDE TEMPORARY CONNECTION FROM TST-4 TO CLOSED DRAINAGE SYSTEM. RUNOFF SHALL NOT BE DIRECT TOWARDS RESIDENTIAL PROPERTIES

AUTO FUEL AREA. KEEP SPILL KIT IN PROXIMITY TO FUELING AREA

SEDIMENT FOREBAY

BIORETENTION AREA-04

TST-4

CFS

TIP

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
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- TST LIMITS OF DRY STORAGE AREA

Scale: 1"=20'
0 10' 20' 40'

PARE

OWNER:
CITY OF NEWPORT
C/O JOSEPH NICHOLSON,
CITY MANAGER
43 BROADWAY
NEWPORT, RI 02840

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

William S. Rogers High School

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Map/Plat 41 Lot 2 & 300

DAVID L. POTTER
No. 8665
REGISTERED PROFESSIONAL ENGINEER (CIVIL)

REVISIONS:

1	01-13-2023	RIDEM RTC

RI Environmental Management
JAN 1 8 2023
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DRAWN BY:	AKL/AB
APPROVED BY:	DLP

DRAWING TITLE:
EROSION & SEDIMENT CONTROL PLAN 4

DRAWING NO.:
C104

SHEET NO. 9 OF 68 59

Z:\JOBS\21 Jobs\21106.00 Newport - Rogers HS - RIDWGS\C2.1 EROSION & SEDIMENT CONTROL PLAN.dwg

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LEGEND

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- TST LIMITS OF WET STORAGE AREA
- TST LIMITS OF DRY STORAGE AREA

REFER TOC100 OVERALL EROSION & SEDIMENT CONTROL PLAN FOR LIMIT OF WORK, TEMPORARY CONSTRUCTION ACCESS TO STOCKPILE AREA, AND LIMITS OF STOCKPILE AREA.

REFER TOC100 OVERALL EROSION & SEDIMENT CONTROL PLAN FOR LIMIT OF WORK, TEMPORARY CONSTRUCTION ACCESS TO STOCKPILE AREA, AND LIMITS OF STOCKPILE AREA.

CONTRACTOR SHALL PROVIDE TEMPORARILY DIVERSION CONVEYANCE PIPE OR STABILIZED CHANNEL THAT WILL MAINTAIN STORMWATER FLOWAGE TO THE CLOSED DRAINAGE SYSTEM DURING CONSTRUCTION

MATCHLINE - SEE SHEET C103

MATCHLINE - SEE SHEET C104

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL
DATED: FEB 06 2023 FILE #: 22-0476
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Nancy L. Freeman

Scale: 1"=20'

Z:\JOBS\21 Jobs\21106.00 Newport - Rogers HS - RI\DWGS\C2.1 EROSION & SEDIMENT CONTROL PLAN.dwg

PARE

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NEWPORT, RI 02840

SCALE ADJUSTMENT GUIDE
0" 1"
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DAVID L. POTTER
No. 8665
REGISTERED PROFESSIONAL ENGINEER (CIVIL)

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RI Environmental Management
JAN 25 2023
Office of Water Resources

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DRAWN BY:	AKL/AB
APPROVED BY:	DLP

DRAWING TITLE:
EROSION & SEDIMENT CONTROL PLAN 5

DRAWING NO.:
C105
SHEET NO. 10 OF 85

NOTES:

1. DEMOLITION WORK UNDER SEPARATE CONTRACTS (BID PACKAGE 2 EARLY SITE WORK PACKAGE) INCLUDES THE REMOVAL OF PAVEMENT, CURBING, WALKWAYS, STEPS, CONCRETE PADS, POSTS, FENCES, PLAY AREAS, UTILITIES, GRASS, AND DRAINAGE AS SHOWN ON SHEET BP#2-CE100 THROUGH CE104 DEMOLITION, EROSION AND SEDIMENT CONTROL PLAN ISSUED AUGUST 23, 2022 (MOST RECENT REVISION SEPTEMBER 7, 2022) BY PARE CORPORATION. ALL TEMPORARY FEATURES CONSTRUCTED AS PART OF BID PACKAGE #2 SHALL BE REMOVED AND DISPOSED UNLESS NOTED OTHERWISE.
2. REMOVE AND DISPOSE BUILDINGS, PAVEMENT, WALKS, CURBING, STEPS, POSTS, FENCES, BOLLARDS, SHRUBS, TREES, UTILITIES AND DRAINAGE WITHIN THE LIMIT OF DISTURBANCE UNLESS OTHERWISE NOTED.
3. UTILITY SERVICE TO THE FACILITY SHALL NOT BE INTERRUPTED DUE TO UTILITY WORK SHOWN HEREON. ALL UTILITIES SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION.
4. 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.
5. 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.
6. ALL TEMPORARILY CUT UTILITIES SHALL BE PROTECTED FROM SEDIMENTATION UNTIL IT IS CONNECTED IN ITS POST-CONSTRUCTION POSITION.
7. REFER TO ELECTRICAL SITE PLAN FOR ALL ELECTRICAL AND TELECOMMUNICATIONS WORK, INCLUDING DEMOLITION.
8. CONTRACTOR SHALL WALK THE SITE WITH THE OWNER OR OWNER'S REPRESENTATIVE TO REVIEW EXISTING SITE FEATURES TO BE REMOVED AND STOCKPILED OR REMOVED AND

REFER TO C205

REFER TO C205

REFER TO C203

REFER TO C204

REFER TO C201

REFER TO C202

PROPOSED BUILDING

WICKHAM ROAD

WICKHAM ROAD

OLD FORT ROAD

RUGGLES AVENUE

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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Stanley L. Freeman

Scale: 1"=60'
0 30' 60' 120'

Z:\JOBS\21_Jobs\21106.00 Newport - Rogers HS - RI\DWGS\C3.1 DEMOLITION PLAN.dwg

PARE

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CITY OF NEWPORT
C/O JOSEPH NICHOLSON,
CITY MANAGER
43 BROADWAY
NEWPORT, RI 02840

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DRAWING TITLE:

OVERALL DEMOLITION PLAN

DRAWING NO.:
C200

SHEET NO. 11 OF 59

MATCHLINE - SEE SHEET C203

MATCHLINE - SEE SHEET C202

(SEE NOTE 4)

WF/C-1/PARE START

DECIDUOUS FORESTED SWAMP

WF/C-2 WF/C-3 WF/C-4 WF/C-5 WF/C-6 WF/C-7 WF/C-8 WF/C-9 WF/C-10 WF/C-11 WF/C-12 WF/C-13 WF/C-14 WF/C-15 WF/C-16 WF/C-17 WF/C-18 WF/C-19

S30/001

50' BUFFER

100' JURISDICTIONAL AREA

20' PRIMARY STRUCTURE SETBACK

LOD/CFS

2" MILL & HMA CLASS 12.5 OVERLAY

R&D PVMT

R&D PILE

PILE

CG

R=55.93 L=(NO CURVE) SUMP=50.1

R=56.15 (UNABLE TO DETERMINE) (A)=(NAD83) (B)=(NAVD88) SUMP=52.1

R&D DRAIN

R&D CAP AND DRAIN

CAP

R&D BERM AND GRAN CURB

R&D GRAN CURB

R&D PVMT

R&D DRAIN

R&D PVMT

R&D DRAIN

R&D GRAN CURB

RTED DE

RTED DE COORDINATE WITH TREE PROTECTION

R&D PVMT

RTED DE

R&D DRAIN

CAP

R&D CAP AND DRAIN

RTLD TGP (TYP)

R&D DRAIN

PROPOSED HIGH SCHOOL BUILDING

PROPOSED BUILDING

ETR GUY WIRE, UP & SIGN

R&D SIGN

ETR OVERHEAD WIRES

R&D SIGN

R&D GRAN CURB

CUT & CAP FOR CONNECTION

ETR CURB

ETR UP, OVERHEAD WIRES, & GUY WIRES

ETR UP, OVERHEAD WIRES, GUY WIRES, & SIGN

ETR BOULDERS (TYP)

R&D HMA

CM (TYP)

ETR CURB

ETR DRAIN (INCLUDING DRAIN INSTALLED AS PART OF BID PACKAGE #2)

WICKHAM ROAD

Scale: 1"=20'

0 10' 20' 40'

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Nancy L. Freeman

NOTES:

1. REFER TO SHEET C200 OVERALL DEMOLITION PLAN FOR DEMOLITION NOTES.

LEGEND:

- REMOVE & DISPOSE TREE. DISPOSE OF TREE AND STUMP OFF-SITE.
- TP — PRIOR TO COMMENCING WORK, CONTRACTOR SHALL EXCAVATE TEST PIT TO CONFIRM LOCATION, ELEVATION, SIZE OF UTILITY, AND PROVIDE COMMENT TO LEDGE REMOVAL CONSTRUCTIBILITY. PROVIDE INFORMATION TO ENGINEER.
- 2" MILL & HMA CLASS 12.5 OVERLAY

Z:\JOBS\21 Jobs\21106.00 Newport - Rogers HS - RI\DWGS\C3.1 DEMOLITION PLAN.dwg

PARE

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(SEAL)

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DRAWING TITLE:

DEMOLITION PLAN 1

DRAWING NO.:
C201
SHEET NO. 12 OF 59

MATCHLINE - SEE SHEET C204

MATCHLINE - SEE SHEET C201

PROPOSED BUILDING

PROPOSED HIGH SCHOOL BUILDING

1 STORY BRICK

2 STORY GLASS/METAL

2 STORY BRICK/GLASS/METAL

COORDINATE REMOVAL AND DISPOSAL OR RELOCATION OF THE HERITAGE TREE CENTER NEWPORT TREE CONSERVANCY WITH OWNER

HERITAGE TREE CENTER NEWPORT TREE CONSERVANCY

AUTO DOOR OPENER, COORDINATE WITH OWNER PRIOR TO REMOVAL

FILL DRAIN PIPE WITH CLASS I CLSM PER RIDOT STANDARD SPECIFICATIONS

CUT AND CAP DRAIN

CUT AND CAP

CUT AND CAP WATER

CUT AND CAP WATER AT MAIN

CP & OVERHANG

R&S BENCHES

R&S SCHOOL SIGN

ETR BOULDERS (TYP)

ETR DRAIN INLET

ETR DRAIN

ETR MANHOLE, PIPE, AND DRAIN/ CURBING DOWNSTREAM CONSTRUCTED AS PART OF BP2

ETR HYD

ETR UP & OVERHEAD WIRES

RTLD TGP

LIMIT OF BP2 TREE CLEARING

SEE NOTE 1

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS
SPECIFIED IN THE LETTER OF APPROVAL
DATED: FEB 06 2023 FILE #: 22-0476
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Nancy L. Freeman

LEGEND:

- REMOVE & DISPOSE TREE. DISPOSE OF TREE AND STUMP OFF-SITE.
- TP — PRIOR TO COMMENCING WORK, CONTRACTOR SHALL EXCAVATE TEST PIT TO CONFIRM LOCATION, ELEVATION, SIZE OF UTILITY, AND PROVIDE COMMENT TO LEDGE REMOVAL CONSTRUCTIBILITY. PROVIDE INFORMATION TO ENGINEER.
- 2" MILL & HMA CLASS 12.5 OVERLAY

NOTES:

1. REFER TO SHEET C200 OVERALL DEMOLITION PLAN FOR DEMOLITION NOTES.

Scale: 1"=20'
0 10' 20' 40'

Z:\JOBS\21 Jobs\21106.00 Newport - Rogers HS - RIDWGS\C3.1 DEMOLITION PLAN.dwg

PARE

OWNER:
CITY OF NEWPORT
C/O JOSEPH NICHOLSON,
CITY MANAGER
43 BROADWAY
NEWPORT, RI 02840

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

William S. Rogers High School

15 Wickham Road
Newport, Rhode Island
Map/Plat 41 Lot 2 & 300

DAVID L. POTTER
No. 8665
REGISTERED PROFESSIONAL ENGINEER

REVISIONS:

1	01-13-2023	RIDEM RTC

RI Environmental Management
JAN 18 2023
Office of Water Resources

PROJECT NO.:	21106.00
DATE:	OCTOBER 24, 2022
SCALE:	1"=20'
DESIGNED BY:	NPC/ACB
CHECKED BY:	VAH/MAB
DRAWN BY:	AKL/AB
APPROVED BY:	DLP

DRAWING TITLE:

DEMOLITION PLAN 2

DRAWING NO.: C202

SHEET NO. 13 OF 85

NOTES:

1. REFER TO SHEET C200 OVERALL DEMOLITION PLAN FOR DEMOLITION NOTES.

LEGEND:

- REMOVE & DISPOSE TREE. DISPOSE OF TREE AND STUMP OFF-SITE.
- TP — PRIOR TO COMMENCING WORK, CONTRACTOR SHALL EXCAVATE TEST PIT TO CONFIRM LOCATION, ELEVATION, SIZE OF UTILITY, AND PROVIDE COMMENT TO LEDGE REMOVAL CONSTRUCTIBILITY. PROVIDE INFORMATION TO ENGINEER.
- 2" MILL & HMA CLASS 12.5 OVERLAY

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS
SPECIFIED IN THE LETTER OF APPROVAL
DATED: FEB 06 2023 FILE #: 22-0476
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Nancy L. Freeman

Scale: 1"=20'
0 10' 20' 40'

MATCHLINE - SEE SHEET C201

MATCHLINE - SEE SHEET C205

MATCHLINE - SEE SHEET C204

PROPOSED BUILDING

PROPOSED BUILDING

ZJOBS21 Jobs\21106.00 Newport - Rogers HS - RIDW\GIS\C3.1 DEMOLITION PLAN.dwg

PARE

OWNER:
CITY OF NEWPORT
C/O JOSEPH NICHOLSON,
CITY MANAGER
43 BROADWAY
NEWPORT, RI 02840

SCALE ADJUSTMENT GUIDE
0" 1"
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William S. Rogers High School

15 Wickham Road
Newport, Rhode Island
Map/Plat 41 Lot 2 & 300

DAVID L. POTTER
No. 8665
REGISTERED PROFESSIONAL ENGINEER

REVISIONS:

1	01-13-2023	RIDEM RTC

RI Environmental Management
JAN 13 2023
Office of Water Resources

PROJECT NO.:	21106.00
DATE:	OCTOBER 24, 2022
SCALE:	1"=20'
DESIGNED BY:	NPC/ACB
CHECKED BY:	VAH/MAB
DRAWN BY:	AKL/AB
APPROVED BY:	DLP

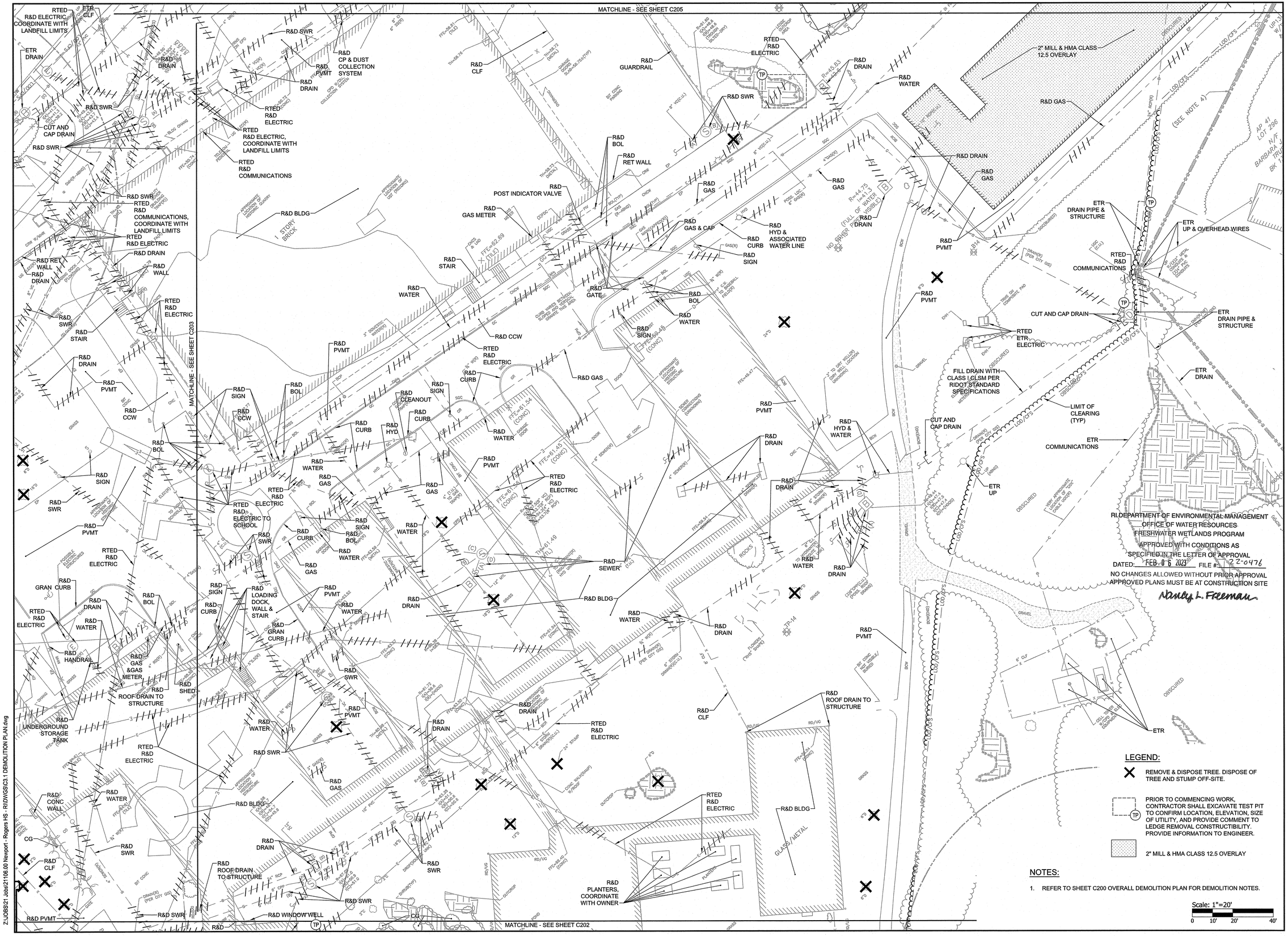
DRAWING TITLE:

DEMOLITION PLAN 3

DRAWING NO.:

C203

SHEET NO. 14 OF 98



Z:\JOBS\21 Jobs\21106.00 Newport - Rogers HS - RIDW\GIS\C3.1 DEMOLITION PLAN.dwg

PARE

OWNER:
CITY OF NEWPORT
C/O JOSEPH NICHOLSON,
CITY MANAGER
43 BROADWAY
NEWPORT, RI 02840

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

William S. Rogers High School

15 Wickham Road
Newport, Rhode Island
Map/Plat 41 Lot 2 & 300

DAVID L. POTTER
No. 8665
REGISTERED PROFESSIONAL ENGINEER (CIVIL)

REVISIONS:

1	01-13-2023	RIDEM RTC

RI Environmental Management
JAN 18 2023
Office of Water Resources

PROJECT NO.:	21106.00
DATE:	OCTOBER 24, 2022
SCALE:	1"=20'
DESIGNED BY:	NPC/ACB
CHECKED BY:	VAH/MAB
DRAWN BY:	AKL/AB
APPROVED BY:	DLP

DRAWING TITLE:
DEMOLITION PLAN 4

DRAWING NO.:
C204

SHEET NO. 15 OF ~~85~~ 59

LEGEND:

- ✕ REMOVE & DISPOSE TREE. DISPOSE OF TREE AND STUMP OFF-SITE.
- (TP) PRIOR TO COMMENCING WORK, CONTRACTOR SHALL EXCAVATE TEST PIT TO CONFIRM LOCATION, ELEVATION, SIZE OF UTILITY, AND PROVIDE COMMENT TO LEDGE REMOVAL CONSTRUCTIBILITY. PROVIDE INFORMATION TO ENGINEER.
- 2" MILL & HMA CLASS 12.5 OVERLAY

NOTES:

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RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
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DATED: FEB 06 2023 FILE #: 22-0476
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Stanley L. Freeman

MATCHLINE - SEE SHEET C203

MATCHLINE - SEE SHEET C204

Scale: 1"=20'
0 10' 20' 40'

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CITY MANAGER
43 BROADWAY
NEWPORT, RI 02840

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William S. Rogers High School

15 Wickham Road
Newport, Rhode Island
Map/Plat 41 Lot 2 & 300

DAVID L. POTTER
No. 8665
REGISTERED PROFESSIONAL ENGINEER
STATE OF RHODE ISLAND

REVISIONS:

1	01-13-2023	RIDEM RTC

RI Environmental Management
JAN 13 2023
Office of Water Resources

PROJECT NO.:	21106.00
DATE:	OCTOBER 24, 2022
SCALE:	1"=20'
DESIGNED BY:	NPC/ACB
CHECKED BY:	VAH/MAB
DRAWN BY:	AKL/AB
APPROVED BY:	DLP

DRAWING TITLE:
DEMOLITION PLAN 5

DRAWING NO.:
C205

SHEET NO. 16 OF 68

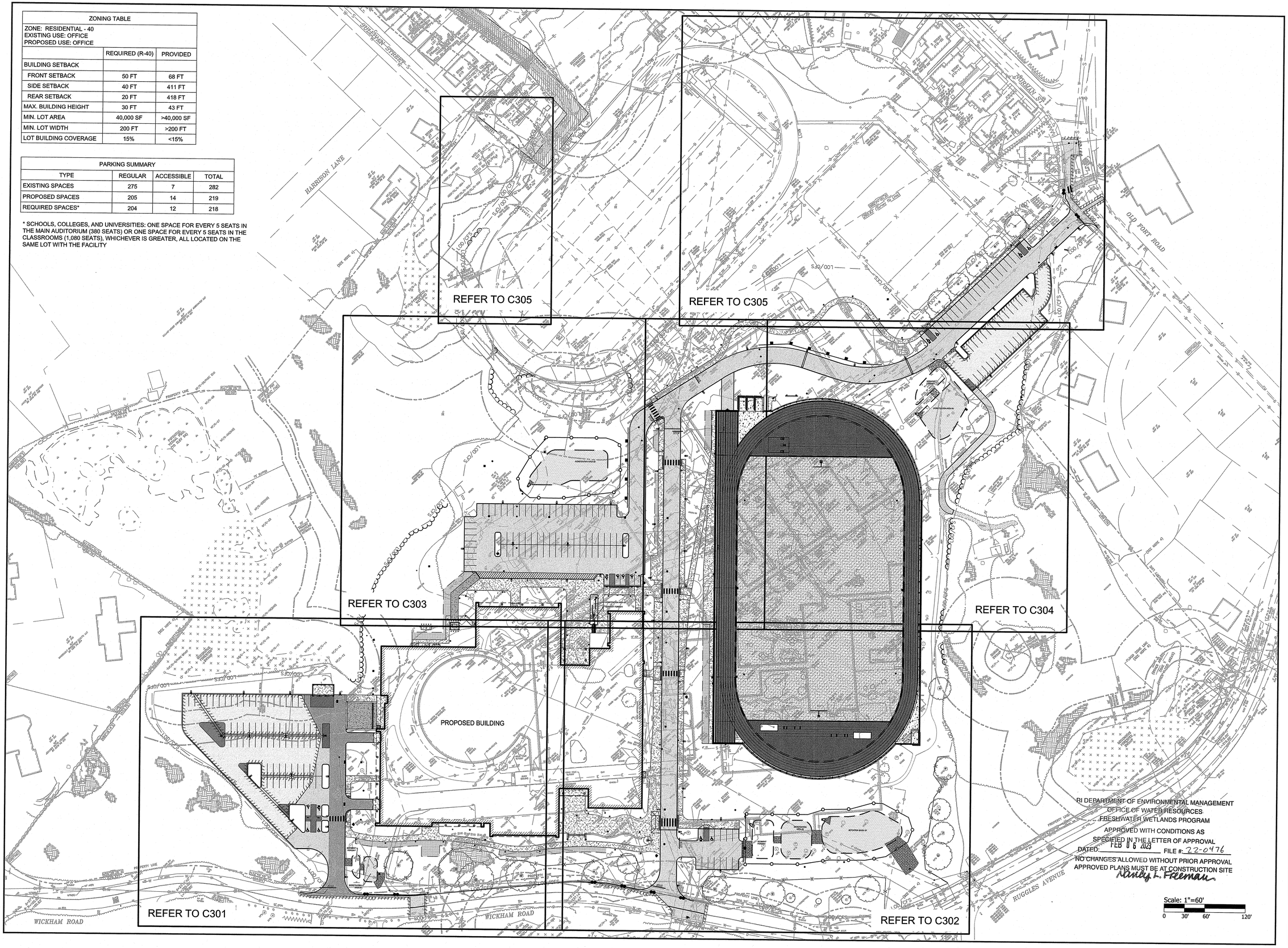
59

Z:\JOBS\21 Jobs\21106.00 Newport - Rogers HS - RI\DWGS\C3.1 DEMOLITION PLAN.dwg

ZONING TABLE		
ZONE: RESIDENTIAL - 40 EXISTING USE: OFFICE PROPOSED USE: OFFICE		
	REQUIRED (R-40)	PROVIDED
BUILDING SETBACK		
FRONT SETBACK	50 FT	68 FT
SIDE SETBACK	40 FT	411 FT
REAR SETBACK	20 FT	418 FT
MAX. BUILDING HEIGHT	30 FT	43 FT
MIN. LOT AREA	40,000 SF	>40,000 SF
MIN. LOT WIDTH	200 FT	>200 FT
LOT BUILDING COVERAGE	15%	<15%

PARKING SUMMARY			
TYPE	REGULAR	ACCESSIBLE	TOTAL
EXISTING SPACES	275	7	282
PROPOSED SPACES	205	14	219
REQUIRED SPACES*	204	12	218

* SCHOOLS, COLLEGES, AND UNIVERSITIES: ONE SPACE FOR EVERY 5 SEATS IN THE MAIN AUDITORIUM (380 SEATS) OR ONE SPACE FOR EVERY 5 SEATS IN THE CLASSROOMS (1,080 SEATS), WHICHEVER IS GREATER, ALL LOCATED ON THE SAME LOT WITH THE FACILITY



RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
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William S. Rogers High School

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DAVID L. POTTER
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STATE OF RHODE ISLAND

REVISIONS:

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RI Environmental Management
JAN 18 2023
Office of Water Resources

PROJECT NO.:	21106.00
DATE:	OCTOBER 24, 2022
SCALE:	1"=60'
DESIGNED BY:	NPC/ACB
CHECKED BY:	VAH/MAB
DRAWN BY:	AKL/AB
APPROVED BY:	DLP

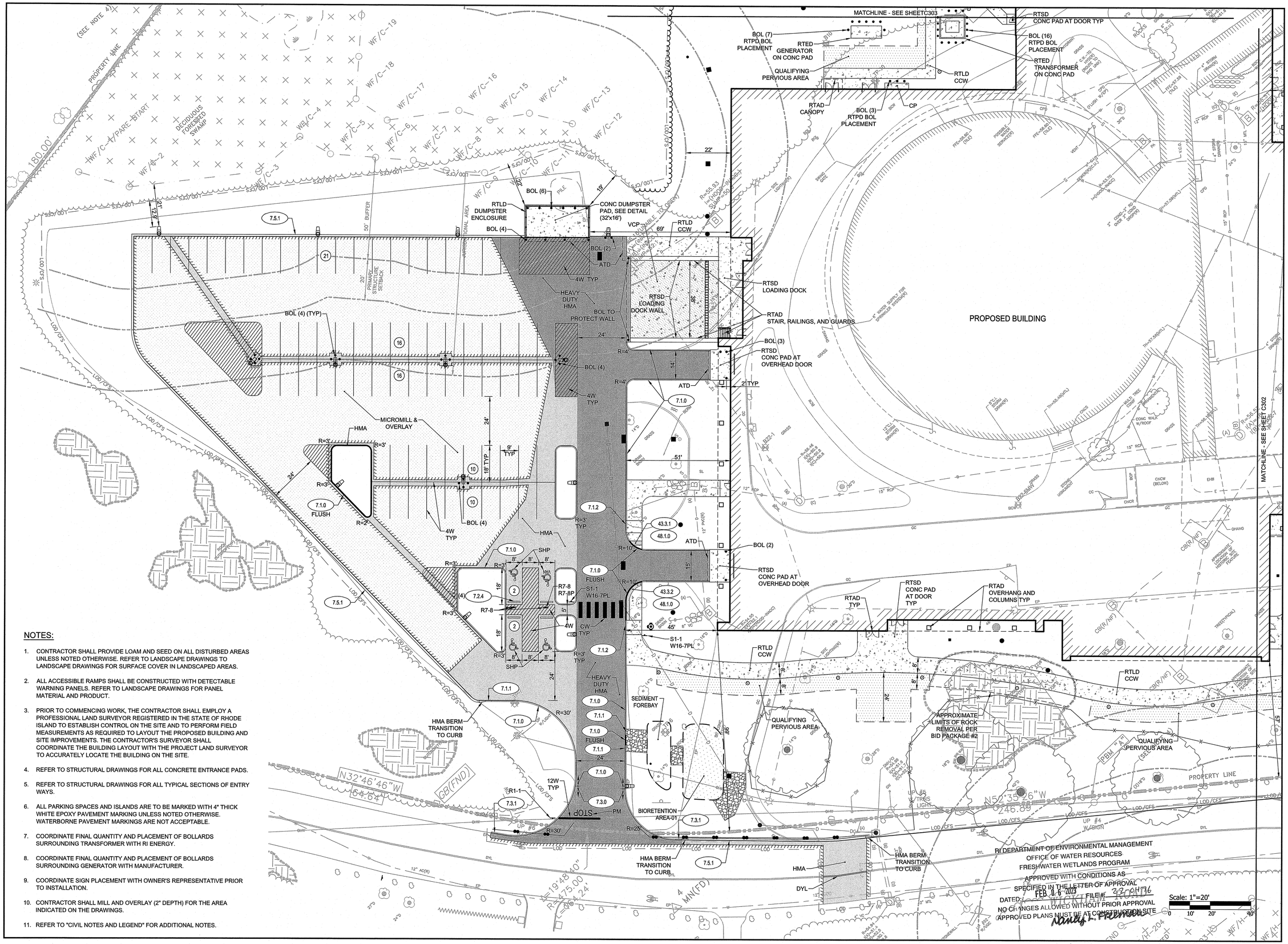
DRAWING TITLE:

OVERALL
GENERAL PLAN

DRAWING NO.:
C300

SHEET NO. 17 OF 59

Z:\JOBS\21 Jobs\21106.00 Newport - Rogers HS - RI\DWGS\C4.1 GENERAL PLAN.dwg



NOTES:

1. CONTRACTOR SHALL PROVIDE LOAM AND SEED ON ALL DISTURBED AREAS UNLESS NOTED OTHERWISE. REFER TO LANDSCAPE DRAWINGS TO LANDSCAPE DRAWINGS FOR SURFACE COVER IN LANDSCAPED AREAS.
2. ALL ACCESSIBLE RAMPS SHALL BE CONSTRUCTED WITH DETECTABLE WARNING PANELS. REFER TO LANDSCAPE DRAWINGS FOR PANEL MATERIAL AND PRODUCT.
3. 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 PROPOSED BUILDING AND SITE IMPROVEMENTS. THE CONTRACTOR'S SURVEYOR SHALL COORDINATE THE BUILDING LAYOUT WITH THE PROJECT LAND SURVEYOR TO ACCURATELY LOCATE THE BUILDING ON THE SITE.
4. REFER TO STRUCTURAL DRAWINGS FOR ALL CONCRETE ENTRANCE PADS.
5. REFER TO STRUCTURAL DRAWINGS FOR ALL TYPICAL SECTIONS OF ENTRY WAYS.
6. ALL PARKING SPACES AND ISLANDS ARE TO BE MARKED WITH 4" THICK WHITE EPOXY PAVEMENT MARKING UNLESS NOTED OTHERWISE. WATERBORNE PAVEMENT MARKINGS ARE NOT ACCEPTABLE.
7. COORDINATE FINAL QUANTITY AND PLACEMENT OF BOLLARDS SURROUNDING TRANSFORMER WITH RI ENERGY.
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9. COORDINATE SIGN PLACEMENT WITH OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.
10. CONTRACTOR SHALL MILL AND OVERLAY (2" DEPTH) FOR THE AREA INDICATED ON THE DRAWINGS.
11. REFER TO "CIVIL NOTES AND LEGEND" FOR ADDITIONAL NOTES.

Z:\JOBS\21 Jobs\21106.00 Newport - Rogers HS - RIDIV\GIS\CA.1 GENERAL PLAN.dwg

PARE

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CITY MANAGER
43 BROADWAY
NEWPORT, RI 02840

SCALE ADJUSTMENT GUIDE
0" 1"
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William S. Rogers High School

15 Wickham Road
Newport, Rhode Island
Map/Plat 41 Lot 2 & 300

DAVID L. POTTER
No. 8665
REGISTERED PROFESSIONAL ENGINEER

REVISIONS:

1	01-13-2023	RIDEM RTC

RI Environmental Management
JAN 18 2023
Office of Water Resources

PROJECT NO.:	21106.00
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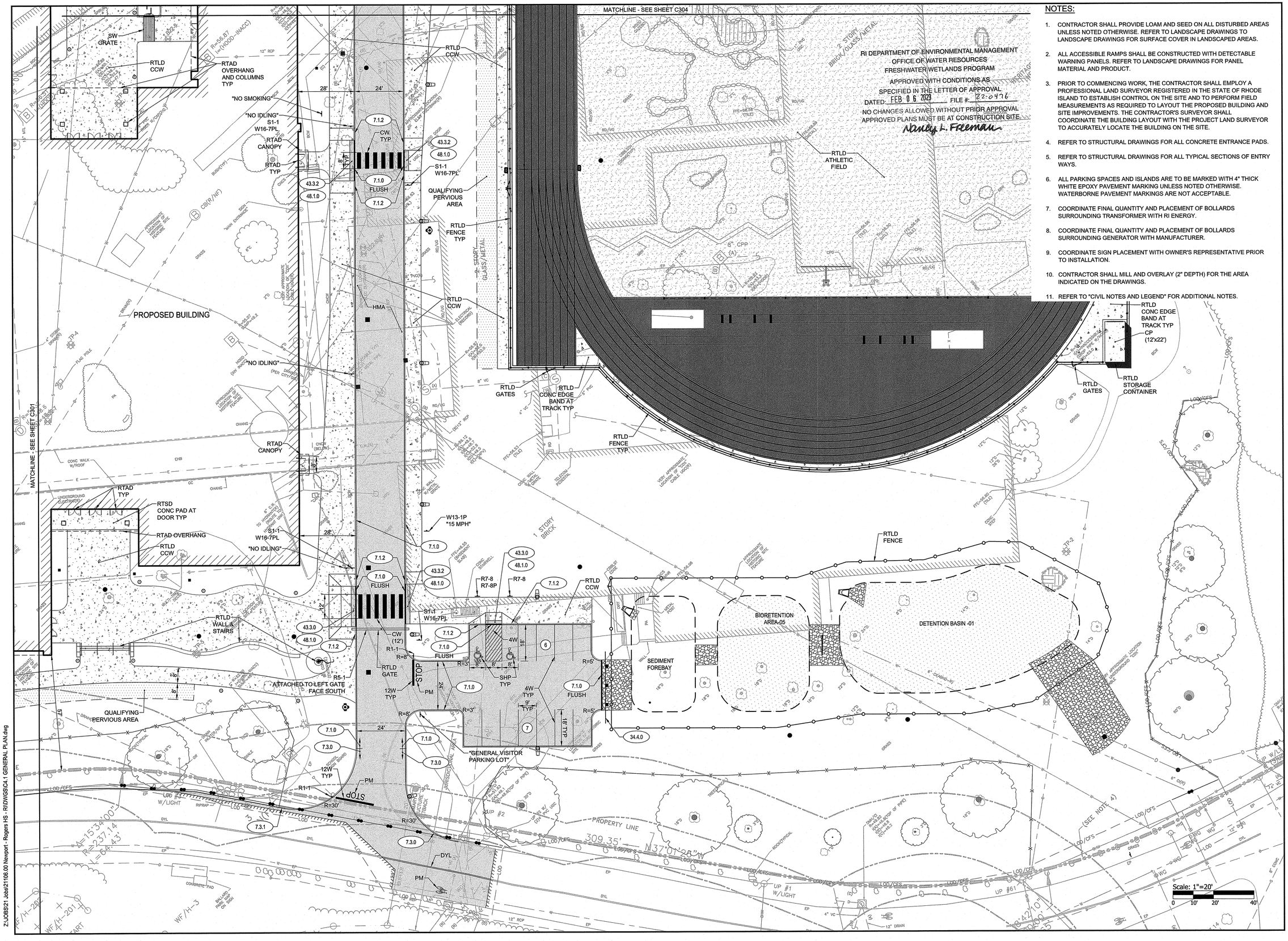
SCALE:	1"=20'
DESIGNED BY:	NPC/ACB
CHECKED BY:	VAH/MAB
DRAWN BY:	AKL/AB
APPROVED BY:	DLP

DRAWING TITLE:
GENERAL PLAN 1

DRAWING NO.:
C301
SHEET NO. 18 OF 58



RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
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DATED: FEB 06 2023 FILE #: 22-0476
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Nancy L. Freeman

NOTES:

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PARE

OWNER:
CITY OF NEWPORT
C/O JOSEPH NICHOLSON,
CITY MANAGER
43 BROADWAY
NEWPORT, RI 02840

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

William S. Rogers High School

15 Wickham Road
Newport, Rhode Island
Map/Plat 41 Lot 2 & 300

DAVID L. POTTER
No. 8665
REGISTERED PROFESSIONAL ENGINEER

REVISIONS:

1	01-13-2023	RIDEM RTC

RI Environmental Management
JAN 18 2023
Office of Water Resources

PROJECT NO.:	21106.00
DATE:	OCTOBER 24, 2022
SCALE:	1"=20'
DESIGNED BY:	NPC/ACB
CHECKED BY:	VAH/MAB
DRAWN BY:	AKL/AB
APPROVED BY:	DLP

DRAWING TITLE:
GENERAL PLAN 2

DRAWING NO.:
C302
SHEET NO. 19 OF 88

Z:\JOBS\21_Jobs\21106.00 Newport - Rogers HS - RI\DWGS\C4.1 GENERAL PLAN.dwg

NOTES:

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RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
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Nancy L. Freeman

MATCHLINE - SEE SHEET C305

MATCHLINE - SEE SHEET C305

MATCHLINE - SEE SHEET C304

MATCHLINE - SEE SHEET C301

RTLD FENCE

RTLD GATE

RTLD CCW

BIORETENTION AREA-03

BIORETENTION AREA-02

SEDIMENT FOREBAY

SEE BIORETENTION AREA-02 DETAIL

PROPOSED BUILDING

TIMBER GUARDRAIL

"AUTHORIZED VEHICLES ONLY"

"NO SMOKING"

"NO PARKING LOADING ZONE" & "NO IDLING"

"NO IDLING"

QUALIFYING PERVIOUS AREA

RTAD OVERHANG AND COLUMNS TYP

RTAD TYP.

RTSD CONC PAD AT DOOR TYP

VCP

HMA

CP (22'x38')

RTLD CONC EDGE BAND AT TRACK

STORY BRICK

18'

24'

32'

9'

18' TYP

4W TYP

BOL (4) (TYP)

R=3' TYP

R=3'

R=10'

R=35'

R=30'

R=162'

R=138'

12W

S1-1 W16-7PL

S1-1 W16-7PL (SIGN IN BOLLARD, SEE DETAIL)

R1-1 R1-3P

R5-1 ATTACHED TO GATE, SHALL FACE NORTHEAST

W3-1

7.1.0 FLUSH

7.1.1

7.1.2

7.2.0

7.2.2

7.2.4

43.3.2

48.1.0

R7-8 R7-8P

SHP TYP

CW

CCW

STOP

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

Scale: 1"=20'
0 10' 20' 40'

AP. 41 LOT 2 N/F CITY OF NEWPORT NEWPORT PUBLIC SCHOOLS BK 183 PG. 4 1,711,953 S.F. (39.30 Acres)

APPROXIMATE LOCATION OF HISTORIC QUARRY

APPROXIMATE LOCATION OF INTERMITTENT HISTORIC QUARRY

100' JURISDICTIONAL AREA

25' BUFFER

PRIMARY STRUCTURE SETBACK

S-D/001 L-D/001 L-D/CFS W-D/001 W-D/CFS

ZJOBS\21 Jobs\21106.00 Newport - Rogers HS - RI\DWGS\C4.1 GENERAL PLAN.dwg

PARE

OWNER:
CITY OF NEWPORT
C/O JOSEPH NICHOLSON,
CITY MANAGER
43 BROADWAY
NEWPORT, RI 02840

William S. Rogers High School

15 Wickham Road
Newport, Rhode Island
Map/Plat 41 Lot 2 & 300

DAVID L. POTTER
No. 8665
REGISTERED PROFESSIONAL ENGINEER

RI Environmental Management
JAN 13 2023
Office of Water Resources

REVISIONS:

1	01-13-2023	RIDEM RTC

PROJECT NO.:	21106.00
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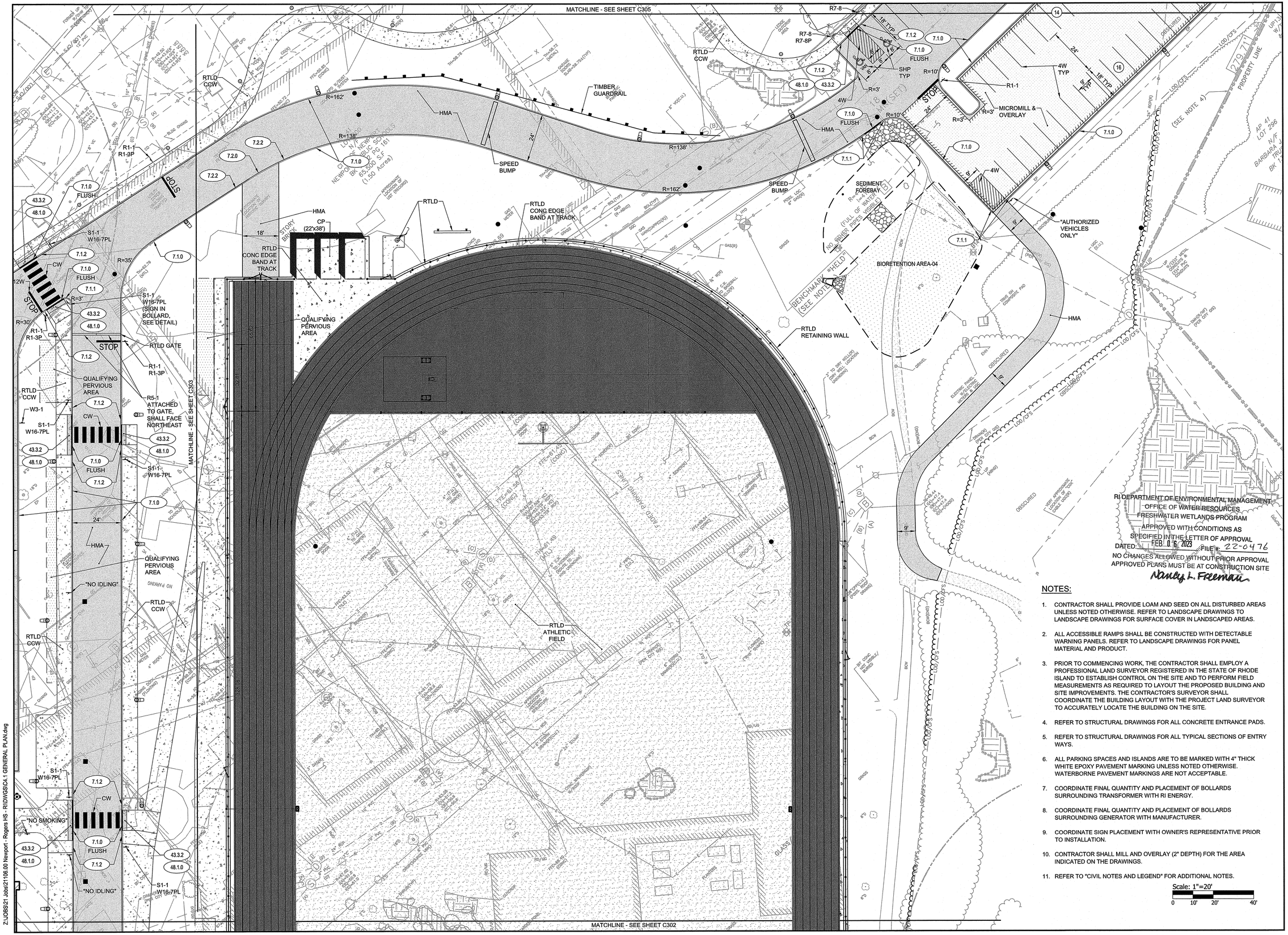
DESIGNED BY:	NPC/ACB
CHECKED BY:	VAH/MAB
DRAWN BY:	AKL/AB
APPROVED BY:	DLP

DRAWING TITLE:
GENERAL PLAN 3

DRAWING NO.:
C303

SHEET NO. 20 OF 59



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0 10' 20' 40'

Z:\JOBS\21 Jobs\21106.00 Newport - Rogers HS - RIDW\GIS\C4.1 GENERAL PLAN.dwg

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STATE OF RHODE ISLAND

REVISIONS:

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PROJECT NO.:	21106.00
DATE:	OCTOBER 24, 2022
SCALE:	1"=20'
DESIGNED BY:	NPC/ACB
CHECKED BY:	VAH/MAB
DRAWN BY:	AKL/AB
APPROVED BY:	DLP

DRAWING TITLE:
GENERAL PLAN 4

DRAWING NO.:
C304
SHEET NO. 21 OF 59

NOTES:

1. CONTRACTOR SHALL PROVIDE LOAM AND SEED ON ALL DISTURBED AREAS UNLESS NOTED OTHERWISE. REFER TO LANDSCAPE DRAWINGS TO LANDSCAPE DRAWINGS FOR SURFACE COVER IN LANDSCAPED AREAS.
2. ALL ACCESSIBLE RAMPS SHALL BE CONSTRUCTED WITH DETECTABLE WARNING PANELS. REFER TO LANDSCAPE DRAWINGS FOR PANEL MATERIAL AND PRODUCT.
3. 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 PROPOSED BUILDING AND SITE IMPROVEMENTS. THE CONTRACTOR'S SURVEYOR SHALL COORDINATE THE BUILDING LAYOUT WITH THE PROJECT LAND SURVEYOR TO ACCURATELY LOCATE THE BUILDING ON THE SITE.
4. REFER TO STRUCTURAL DRAWINGS FOR ALL CONCRETE ENTRANCE PADS.
5. REFER TO STRUCTURAL DRAWINGS FOR ALL TYPICAL SECTIONS OF ENTRY WAYS.
6. ALL PARKING SPACES AND ISLANDS ARE TO BE MARKED WITH 4" THICK WHITE EPOXY PAVEMENT MARKING UNLESS NOTED OTHERWISE. WATERBORNE PAVEMENT MARKINGS ARE NOT ACCEPTABLE.
7. COORDINATE FINAL QUANTITY AND PLACEMENT OF BOLLARDS SURROUNDING TRANSFORMER WITH RI ENERGY.
8. COORDINATE FINAL QUANTITY AND PLACEMENT OF BOLLARDS SURROUNDING GENERATOR WITH MANUFACTURER.
9. COORDINATE SIGN PLACEMENT WITH OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.
10. CONTRACTOR SHALL MILL AND OVERLAY (2" DEPTH) FOR THE AREA INDICATED ON THE DRAWINGS.
11. REFER TO "CIVIL NOTES AND LEGEND" FOR ADDITIONAL NOTES.

6" OF GRANULAR FILL. MATERIAL SHALL BE COORDINATED WITH THE RI ENERGY.

RESET CLF

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS
SPECIFIED IN THE LETTER OF APPROVAL
DATED: FEB 06 2023 FILE #: 22-0476
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Nancy L. Freeman

MATCHLINE - SEE SHEET C303

MATCHLINE - SEE SHEET C304

Z:\JOBS\21 Jobs\21106.00 Newport - Rogers HS - RIDW\GIS\C4.1 GENERAL PLAN.dwg

PARE

OWNER:
CITY OF NEWPORT
C/O JOSEPH NICHOLSON,
CITY MANAGER
43 BROADWAY
NEWPORT, RI 02840

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

William S. Rogers High School

15 Wickham Road
Newport, Rhode Island
Map/Plat 41 Lot 2 & 300

DAVID L. POTTER
No. 8665
REGISTERED PROFESSIONAL ENGINEER

REVISIONS:

1	01-13-2023	RIDEM RTC

RI Environmental Management
JAN 13 2023
Office of Water Resources

PROJECT NO.:	21106.00
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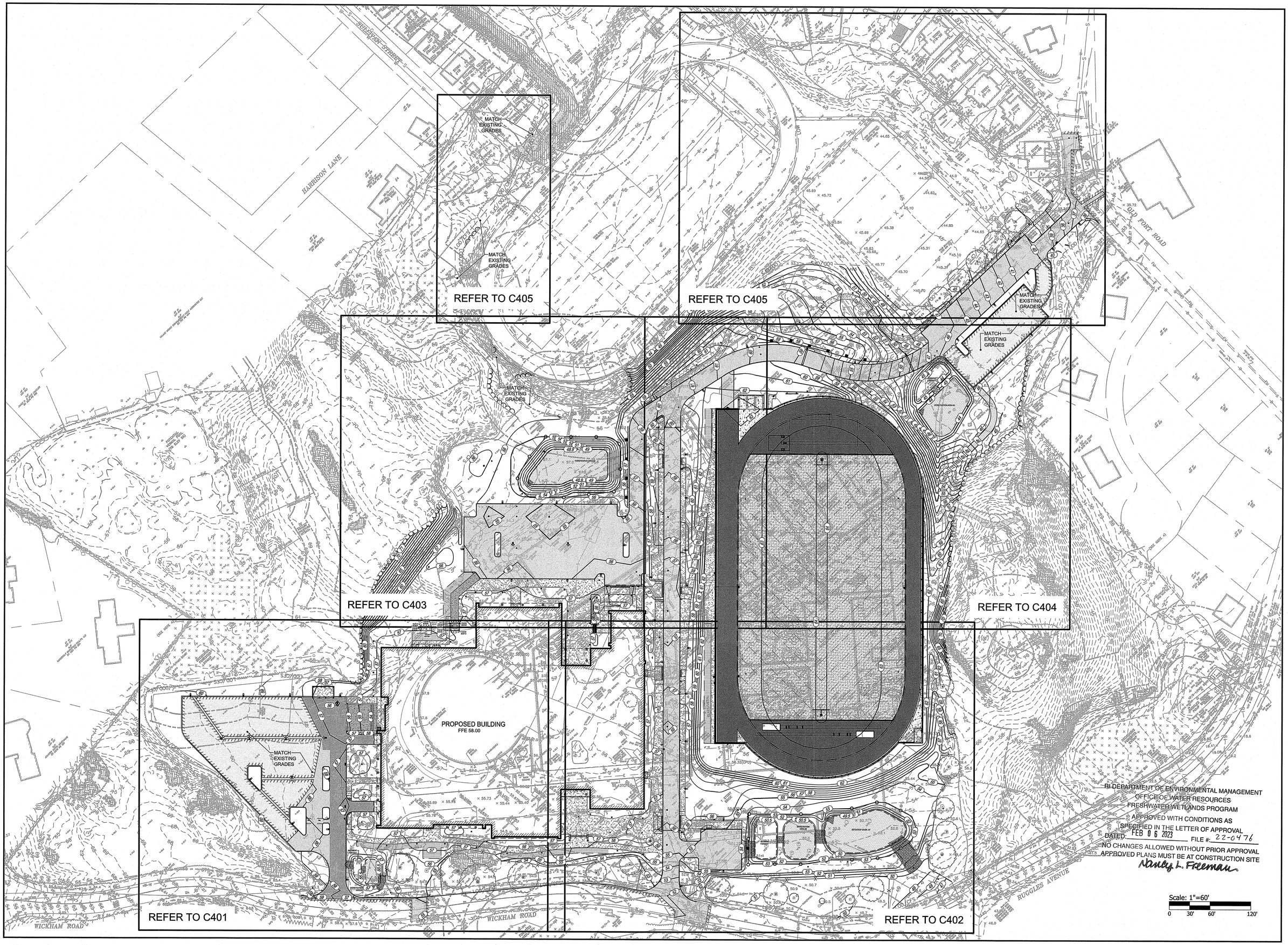
SCALE:	1"=20'
DESIGNED BY:	NPC/ACB
CHECKED BY:	VAH/MAB
DRAWN BY:	AKL/AB
APPROVED BY:	DLP

DRAWING TITLE:
GENERAL PLAN 5

DRAWING NO.:
C305

SHEET NO. 22 OF 83

Scale: 1"=20'



RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
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C/O JOSEPH NICHOLSON, JR.
CITY MANAGER
43 BROADWAY
NEWPORT, RI 02840

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William S. Rogers High School

15 Wickham Road
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Map/Plat 41 Lot 2 & 200

DAVID L. POTTER
No. 8665
REGISTERED PROFESSIONAL ENGINEER

RI Environmental Management
JAN 3 2023
Office of Water Resources

REVISIONS:

1	01-13-2023	RIDEM RTC

PROJECT NO.:	21106
DATE:	OCTOBER 24, 20
SCALE:	1"=
DESIGNED BY:	NPC/A
CHECKED BY:	VAH/M
DRAWN BY:	AKL/
APPROVED BY:	D

DRAWING TITLE:

OVERALL GRADING PLAN

DRAWING NO.:
C400

SHEET NO. 23 OF 6

Z:\JOBS\21 Jobs\21106.00 Newport - Rogers HS - RI\DWGS\C5.1 GRADING PLAN.dwg

MATCHLINE - SEE SHEET C403

MATCHLINE - SEE SHEET C402

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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Nancy L. Freeman

PROPOSED BUILDING
FFE 58.00

MATCH EXISTING GRADES

FORM RIDGE AND GRADE TO DRAIN TO CATCH BASIN

SEDIMENT FOREBAY

BIORETENTION AREA-01

FORM GUTTERLINE TO DIRECT RUNOFF THROUGH INTERSECTION

WICKHAM ROAD

Scale: 1"=20'
0 10' 20' 40'

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" LEFTS 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 "CIVIL NOTES AND LEGEND" FOR ADDITIONAL NOTES.

Z:\JOBS\21 Jobs\21106.00 Newport - Rogers HS - RID\DWGS\C5.1 GRADING PLAN.dwg

PARE

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CITY MANAGER
43 BROADWAY
NEWPORT, RI 02840

SCALE ADJUSTMENT GUIDE
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William S. Rogers High School

15 Wickham Road
Newport, Rhode Island
Map/Plat 41 Lot 2 & 300

DAVID L. POTTER
No. 8665
REGISTERED PROFESSIONAL ENGINEER
STATE OF RHODE ISLAND

REVISIONS:		
1	01-13-2023	RIDEM RTC

RI Environmental Management
JAN 19 2023
Office of Water Resources

PROJECT NO.:	21106.00
DATE:	OCTOBER 24, 2022
SCALE:	1"=20'
DESIGNED BY:	NPC/ACB
CHECKED BY:	VAH/MAB
DRAWN BY:	AKL/AB
APPROVED BY:	DLP

DRAWING TITLE:
GRADING PLAN 1

DRAWING NO.:
C401
SHEET NO. 24 OF 83
59

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.
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Nancy L. Freeman

MATCHLINE - SEE SHEET C404

MATCHLINE - SEE SHEET C401

1 STORY GLASS/METAL

1 STORY BRICK

SEDIMENT FOREBAY

BIORETENTION AREA-05

DETENTION BASIN -01

ATG FRAME & GRATE

Scale: 1"=20'
0 10' 20' 40'

Z:\JOBS\21 Jobs\21106.00 Newport - Rogers HS - RIDM\CGS\C5.1 GRADING PLAN.dwg

PARE

OWNER:
CITY OF NEWPORT
C/O JOSEPH NICHOLSON,
CITY MANAGER
43 BROADWAY
NEWPORT, RI 02840

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

William S. Rogers High School

15 Wickham Road
Newport, Rhode Island
Map/Plat 41 Lot 2 & 300

DAVID L. POTTER
No. 8665
REGISTERED PROFESSIONAL ENGINEER

REVISIONS:

1	01-13-2023	RIDEM RTC

RI Environmental Management
JAN 26 2023
Office of Water Resources

PROJECT NO.:	21106.00
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SCALE:	1"=20'
DESIGNED BY:	NPC/ACB
CHECKED BY:	VAH/MAB
DRAWN BY:	AKL/AB
APPROVED BY:	DLP

DRAWING TITLE:
GRADING PLAN 2

DRAWING NO.:
C402

SHEET NO. 25 OF 59

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.
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7. TURF REINFORCEMENT MAT (TRM) SHALL BE INSTALLED ON ALL SLOPES 3:1 OR GREATER.
8. REFER TO "CIVIL NOTES AND LEGEND" FOR ADDITIONAL NOTES.

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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Nancy L. Freeman

MATCHLINE - SEE SHEET C405

MATCHLINE - SEE SHEET C405

MATCH EXISTING GRADES

BIORETENTION AREA-03

BIORETENTION AREA-02
SEDIMENT FOREBAY

PROPOSED BUILDING

MATCHLINE - SEE SHEET C401

MATCHLINE - SEE SHEET C404

Scale: 1"=20'
0 10' 20' 40'

Z:\JOBS\21 Jobs\21106.00 Newport - Rogers HS - RIDIW\GIS\C5.1 GRADING PLAN.dwg

PARE

OWNER:
CITY OF NEWPORT
C/O JOSEPH NICHOLSON,
CITY MANAGER
43 BROADWAY
NEWPORT, RI 02840

SCALE ADJUSTMENT GUIDE
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William S. Rogers High School

15 Wickham Road
Newport, Rhode Island
Map/Plat 41 Lot 2 & 300

DAVID L. POTTER
No. 8665
REGISTERED PROFESSIONAL ENGINEER
STATE OF RHODE ISLAND

REVISIONS:

1	01-13-2023	RIDEM RTC

RI Environmental Management
JAN 26 2023
Office of Water Resources

PROJECT NO.:	21106.00
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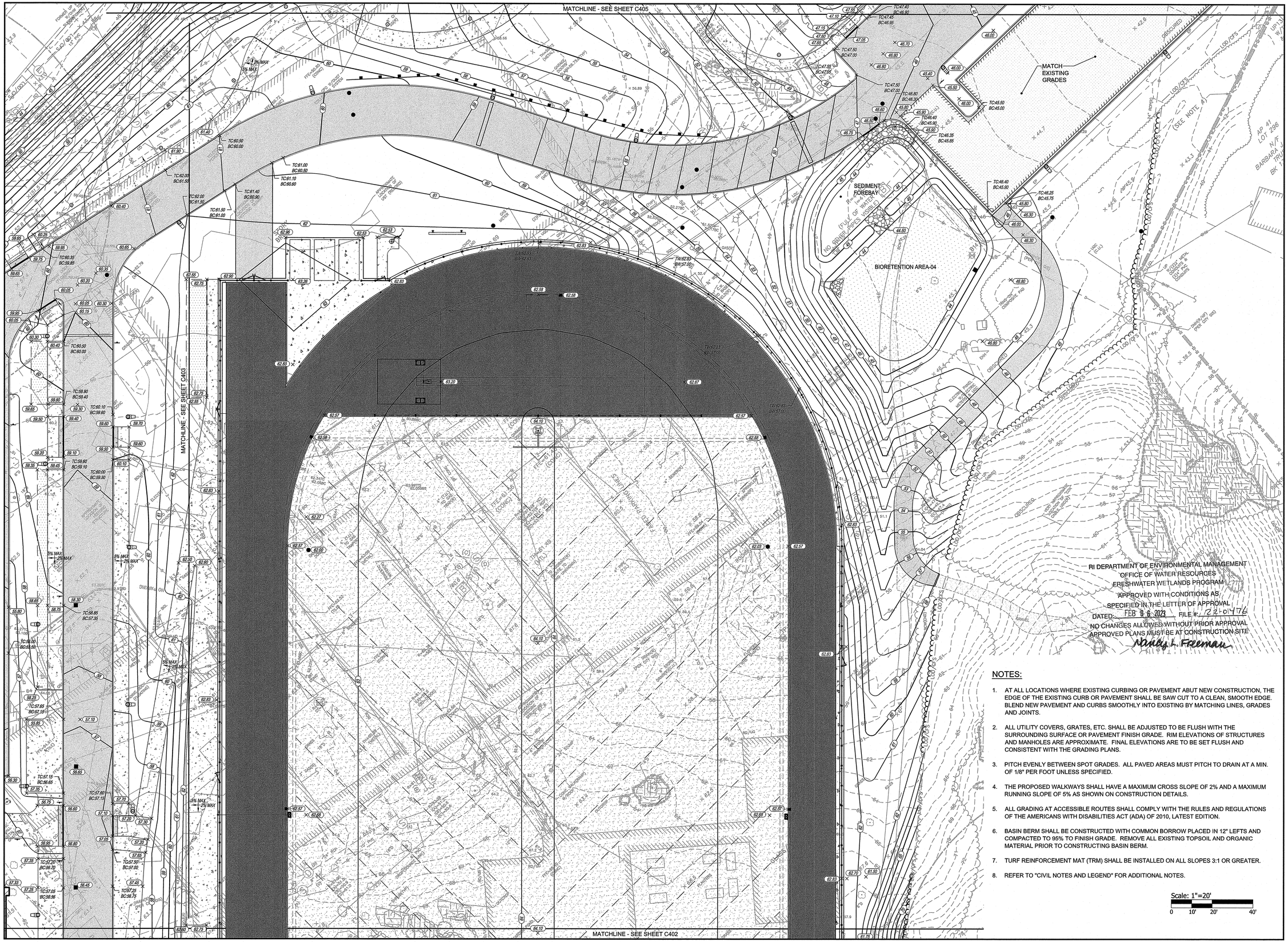
DESIGNED BY:	NPC/ACB
CHECKED BY:	VAH/MAB
DRAWN BY:	AKL/AB
APPROVED BY:	DLP

DRAWING TITLE:
GRADING PLAN 3

DRAWING NO.:
C403
SHEET NO. 26 OF 59



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PARE

OWNER:
CITY OF NEWPORT
C/O JOSEPH NICHOLSON,
CITY MANAGER
43 BROADWAY
NEWPORT, RI 02840

SCALE ADJUSTMENT GUIDE
0" 1"
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William S. Rogers High School

15 Wickham Road
Newport, Rhode Island
Map/Plat 41 Lot 2 & 300

DAVID L. POTTER
No. 8665
REGISTERED PROFESSIONAL ENGINEER

REVISIONS:

1	01-13-2023	RIDEM RTC

RI Environmental Management
JAN 18 2023
Office of Water Resources

PROJECT NO.:	21106.00
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DRAWN BY:	AKL/AB
APPROVED BY:	DLP

DRAWING TITLE:

GRADING PLAN 4

DRAWING NO.:
C404

SHEET NO. 27 OF 83

59

Z:\JOBS\21 Jobs\21106.00 Newport - Rogers HS - RIDWG\SIC\5.1 GRADING PLAN.dwg

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Stanley L. Freeman

MATCHLINE - SEE SHEET C403

MATCHLINE - SEE SHEET C404

RI Environmental Management
JAN 18 2023
Office of Water Resources

Scale: 1"=20'
0 10' 20' 40'

PARE

OWNER:
CITY OF NEWPORT
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CITY MANAGER
43 BROADWAY
NEWPORT, RI 02840

SCALE ADJUSTMENT GUIDE
0" 1"
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William S. Rogers High School

15 Wickham Road
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Map/Plat 41 Lot 2 & 300

DAVID L. POTTER
No. 8665
REGISTERED PROFESSIONAL ENGINEER

REVISIONS:		
1	01-13-2023	RIDEM RTC

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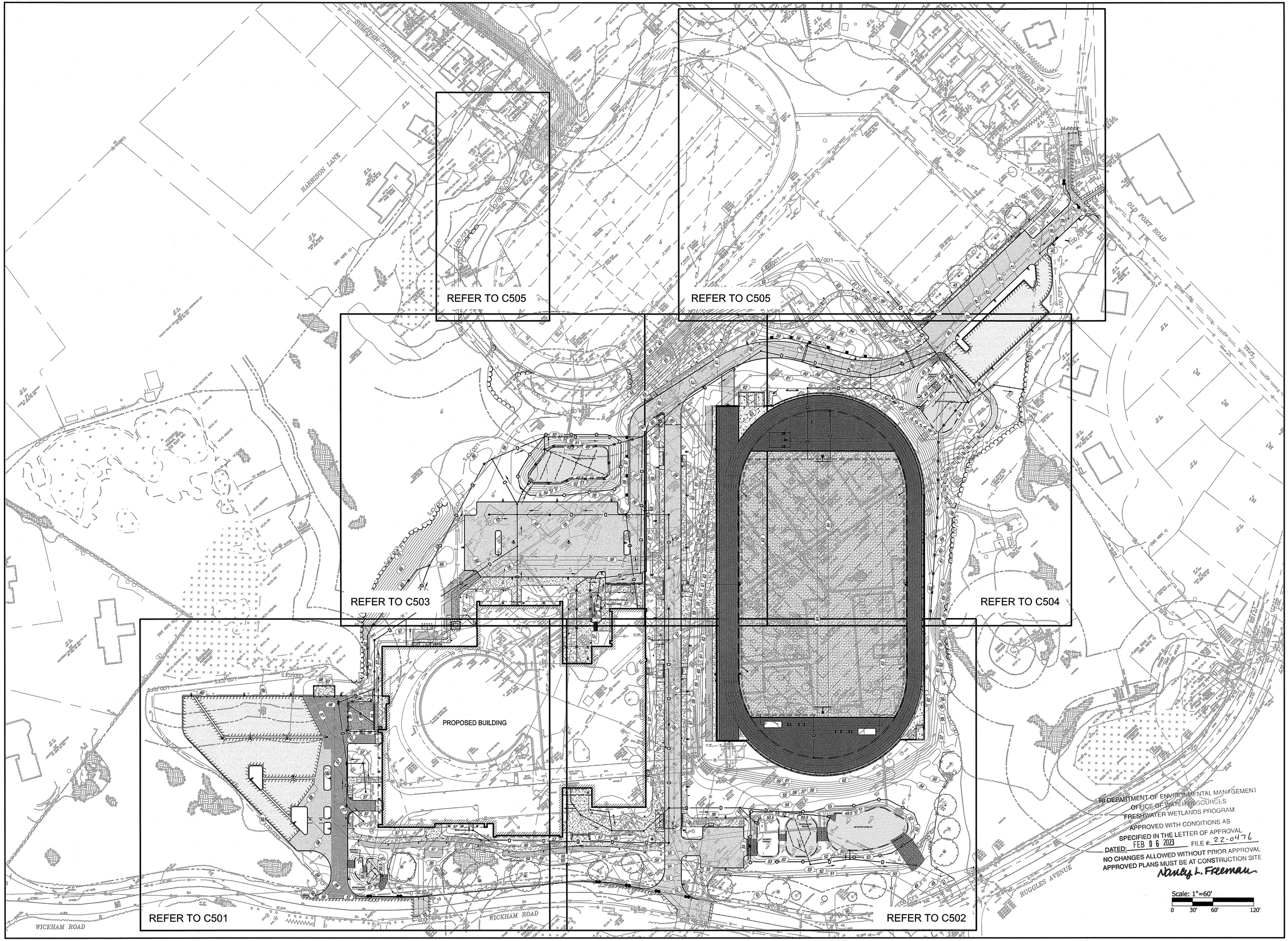
DRAWN BY:	AKL/AB
APPROVED BY:	DLP

DRAWING TITLE:
GRADING PLAN 5

DRAWING NO.:
C405
SHEET NO. 28 OF 59

Z:\JOBS\21 Jobs\21106.00 Newport - Rogers HS - RI\DWGS\C5.1 GRADING PLAN.dwg



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Z:\JOBS\21_Jobs\21106.00 Newport - Rogers HS - RIDIV\GIS\C6.1 DRAINAGE PLAN.dwg

PARE

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CITY OF NEWPORT
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RI Environmental Management
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PROJECT NO.:	21106.00
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DESIGNED BY:	NPC/ACB
CHECKED BY:	VAH/MAB
DRAWN BY:	AKL/AB
APPROVED BY:	DLP

DRAWING TITLE:

OVERALL
DRAINAGE PLAN

DRAWING NO.:
C500

SHEET NO. 29 OF 83

DRAIN INVERT TABLE

STRUCTURE	RIM (FT)	INV. IN (FT)	INV. OUT (FT)	DIA. (FT)
AD-101	56.85		53.25 N	2
AD-102	56.85		53.20 NE	2
CB-101	56.00	52.40 N 52.40 N	52.40 S	4
CB-102	56.90	53.00 S	53.00 NE	6
CB-103	56.55	52.45 SE 52.45 SW	52.45 NE	6
CB-104	56.75	52.65 SW	52.65 NW	4
CB-105	55.95	52.00 SW	52.00 SE	6
CB-106	56.50	51.55 SW	51.55 NE	4
CB-107	56.50	51.30 SW	51.30 E	4
DMH-101	57.20	53.90 NE 53.90 NW	53.70 S	4
DMH-102	57.00	53.45 N	53.45 SE	4
DMH-103	57.10	52.50 SW 51.70 W 51.70 NW	51.70 NE	5
OWS-101	57.70	53.00 SW	52.75 NE	5

NOTES:

1. ALL CATCH BASINS AND DRAIN MANHOLES SHALL BE 4' DIA. PRECAST CONCRETE UNLESS NOTED OTHERWISE.
2. ALL DRAIN PIPES SHALL BE SMOOTH INTERIOR CORRUGATED HIGH DENSITY POLYETHYLENE UNLESS NOTED OTHERWISE.
3. REINFORCED CONCRETE PIPE (RCP) SHALL BE CLASS III UNLESS NOTED OTHERWISE.
4. ALL SLOPES PROVIDED ARE FT/FT.
5. ALL CATCH BASINS AND AREA DRAINS SHALL BE INSTALLED WITH A SUMP PER THE DETAIL.
6. REFER TO ELECTRICAL DRAWINGS FOR INFORMATION ON ELECTRIC AND TEL/DATA DUCT BANKS AND STRUCTURES. ALL ELECTRICAL FACILITIES DISPLAYED FOR REFERENCE ONLY.
7. REFER TO THE AREA DRAIN DETAIL FOR THE SPECIFIC AREA DRAIN GRATE PRODUCTS TO BE USED.
8. CARE SHALL BE TAKEN TO AVOID DAMAGING AND DISPLACING HOODS PLACED ON HOOD OUTLETS DURING CLEANING.
9. REFER TO "CIVIL NOTES AND LEGEND" FOR ADDITIONAL NOTES.

PROPOSED BUILDING

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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RI Environmental Management
JAN 18 2023
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Scale: 1"=20'

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0" 1"
BAR IS ONE INCH ON ORIGINAL DRAWING

William S. Rogers High School

15 Wickham Road
Newport, Rhode Island
Map/Plat 41 Lot 2 & 300

DAVID L. POTTER
No. 8665
REGISTERED PROFESSIONAL ENGINEER
(STAMP)

REVISIONS:

1	01-13-2023	RIDEM RTC

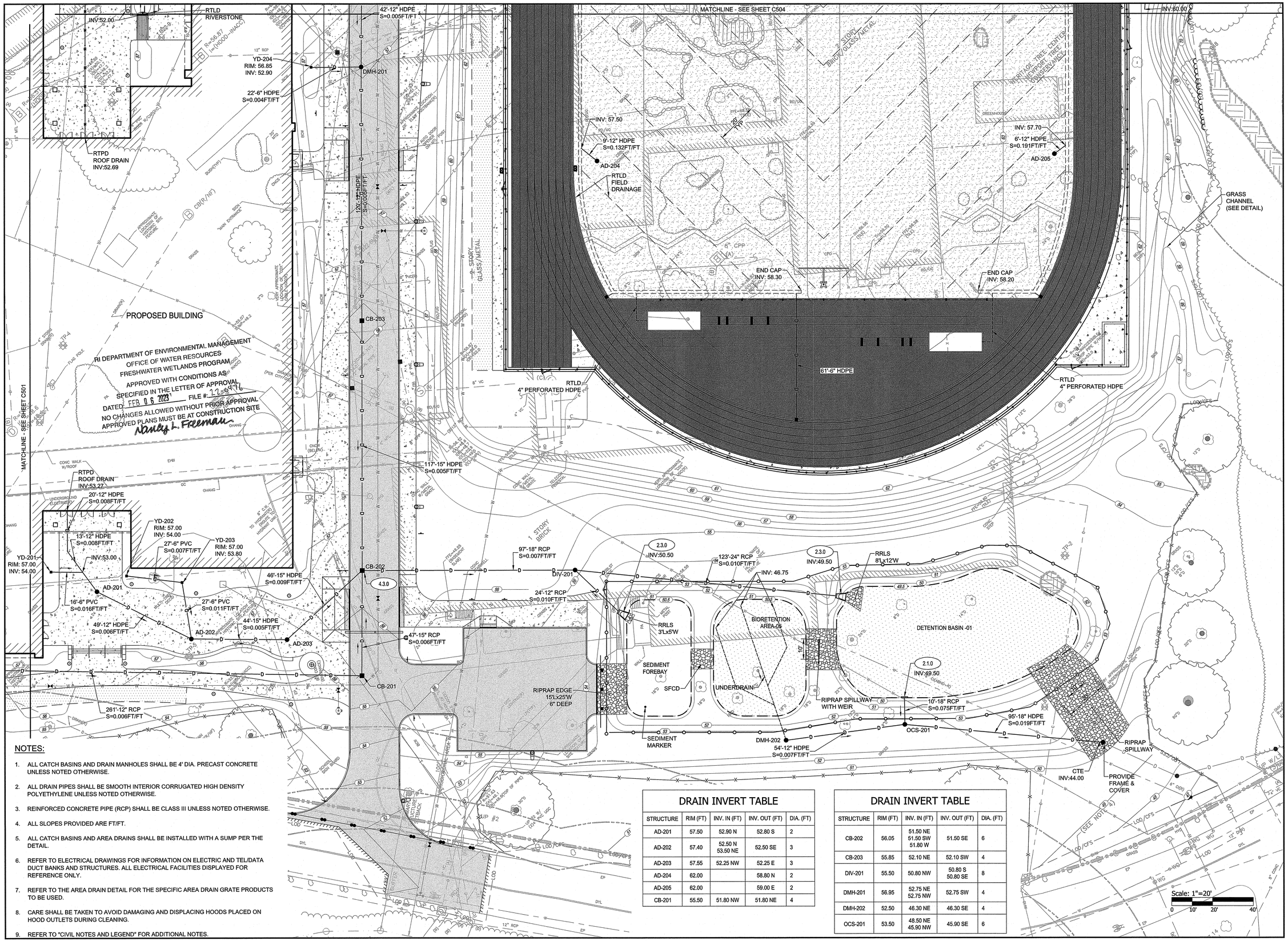
PROJECT NO.:	21106.00
DATE:	OCTOBER 24, 2022
SCALE:	1"=20'
DESIGNED BY:	NPC/ACB
CHECKED BY:	VAH/MAB
DRAWN BY:	AKL/AB
APPROVED BY:	DLP

DRAWING TITLE:

DRAINAGE PLAN 1

DRAWING NO.:
C501
SHEET NO. 30 OF 59

Z:\JOBS\21 Jobs\21106.00 Newport - Rogers HS - RIDIV\GIS\08.1 DRAINAGE PLAN.dwg



NOTES:

1. ALL CATCH BASINS AND DRAIN MANHOLES SHALL BE 4' DIA. PRECAST CONCRETE UNLESS NOTED OTHERWISE.
2. ALL DRAIN PIPES SHALL BE SMOOTH INTERIOR CORRUGATED HIGH DENSITY POLYETHYLENE UNLESS NOTED OTHERWISE.
3. REINFORCED CONCRETE PIPE (RCP) SHALL BE CLASS III UNLESS NOTED OTHERWISE.
4. ALL SLOPES PROVIDED ARE FT/FT.
5. ALL CATCH BASINS AND AREA DRAINS SHALL BE INSTALLED WITH A SUMP PER THE DETAIL.
6. REFER TO ELECTRICAL DRAWINGS FOR INFORMATION ON ELECTRIC AND TEL/DATA DUCT BANKS AND STRUCTURES. ALL ELECTRICAL FACILITIES DISPLAYED FOR REFERENCE ONLY.
7. REFER TO THE AREA DRAIN DETAIL FOR THE SPECIFIC AREA DRAIN GRATE PRODUCTS TO BE USED.
8. CARE SHALL BE TAKEN TO AVOID DAMAGING AND DISPLACING HOODS PLACED ON HOOD OUTLETS DURING CLEANING.
9. REFER TO "CIVIL NOTES AND LEGEND" FOR ADDITIONAL NOTES.

DRAIN INVERT TABLE

STRUCTURE	RIM (FT)	INV. IN (FT)	INV. OUT (FT)	DIA. (FT)
AD-201	57.50	52.90 N	52.80 S	2
AD-202	57.40	52.50 N 53.50 NE	52.50 SE	3
AD-203	57.55	52.25 NW	52.25 E	3
AD-204	62.00		58.80 N	2
AD-205	62.00		59.00 E	2
CB-201	55.50	51.80 NW	51.80 NE	4

DRAIN INVERT TABLE

STRUCTURE	RIM (FT)	INV. IN (FT)	INV. OUT (FT)	DIA. (FT)
CB-202	56.05	51.50 NE 51.50 SW 51.80 W	51.50 SE	6
CB-203	55.85	52.10 NE	52.10 SW	4
DIV-201	55.50	50.80 NW	50.80 S 50.80 SE	8
DMH-201	56.95	52.75 NE 52.75 NW	52.75 SW	4
DMH-202	52.50	46.30 NE	46.30 SE	4
OCS-201	53.50	48.50 NE 45.90 NW	45.90 SE	6

PARE

OWNER:
CITY OF NEWPORT
C/O JOSEPH NICHOLSON,
CITY MANAGER
43 BROADWAY
NEWPORT, RI 02840

SCALE ADJUSTMENT GUIDE
0" 1"
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William S. Rogers High School

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Newport, Rhode Island
Map/Plat 41 Lot 2 & 300

DAVID L. POTTER
No. 8665
REGISTERED PROFESSIONAL ENGINEER

REVISIONS:

1	01-13-2023	RIDEM RTC

RI Department of Environmental Management
JAN 18 2023
Office of Water Resources

PROJECT NO.:	21106.00
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CHECKED BY:	VAH/MAB
DRAWN BY:	AKL/AB
APPROVED BY:	DLP

DRAWING TITLE:
DRAINAGE PLAN 2

DRAWING NO.:
C502

SHEET NO. 31 OF 83

Z:\JOBS\21_Jobs\21106.00 Newport - Rogers HS - RI\DWGS\C06.1 DRAINAGE PLAN.dwg

NOTES:

1. ALL CATCH BASINS AND DRAIN MANHOLES SHALL BE 4' DIA. PRECAST CONCRETE UNLESS NOTED OTHERWISE.
2. ALL DRAIN PIPES SHALL BE SMOOTH INTERIOR CORRUGATED HIGH DENSITY POLYETHYLENE UNLESS NOTED OTHERWISE.
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8. CARE SHALL BE TAKEN TO AVOID DAMAGING AND DISPLACING HOODS PLACED ON HOOD OUTLETS DURING CLEANING.
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DRAIN INVERT TABLE

STRUCTURE	RIM (FT)	INV. IN (FT)	INV. OUT (FT)	DIA. (FT)
CB-301	55.50	51.20 SW 51.20 NW	51.20 E	4
CB-302	55.50	49.35 W	49.25 E	4
CB-303	55.75		51.60 NE	4
CB-304	54.95	50.00 SW 51.00 SE	50.00 NW	4
CB-305	56.65		53.15 NE	4
CB-306	56.45		53.00 SW	4
CB-307	50.45	46.15 SE 46.15 SW 46.15 SE	46.15 NE	4
CB-308	58.30	51.60 SW	51.60 NW	4
CB-309	54.75		50.25 SE	4
CB-310	54.60	49.45 SE	49.45 NW	6
CB-311	56.50	52.15 SW 51.55 S	51.55 NE	4
DIV-301	55.35	49.10 SW	49.10 N 49.10 NE	8
DMH-301	56.50	51.00 W 51.00 SW	51.00 E	6
DMH-302	55.75	51.25 SW 49.70 W	49.70 NE	8
DMH-303	55.20	49.35 SW 50.00 NW 49.20 SE	49.20 NE	8
DMH-304	56.40	48.75 W 48.60 S	48.60 E	6
DMH-305	56.20	47.35 NW	47.35 NE	4
DMH-306	54.50	47.80 W 46.05 SW	46.00 SE	6
DMH-307	58.60	43.50 NW 44.60 SW 45.30 NW	43.50 E	6
DMH-308	60.20	41.50 W	41.25 E	5
DMH-309	56.90	51.40 NW 51.35 SW	50.00 SE	5
WQU-301	54.50	49.00 SW	49.00 E	6

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS
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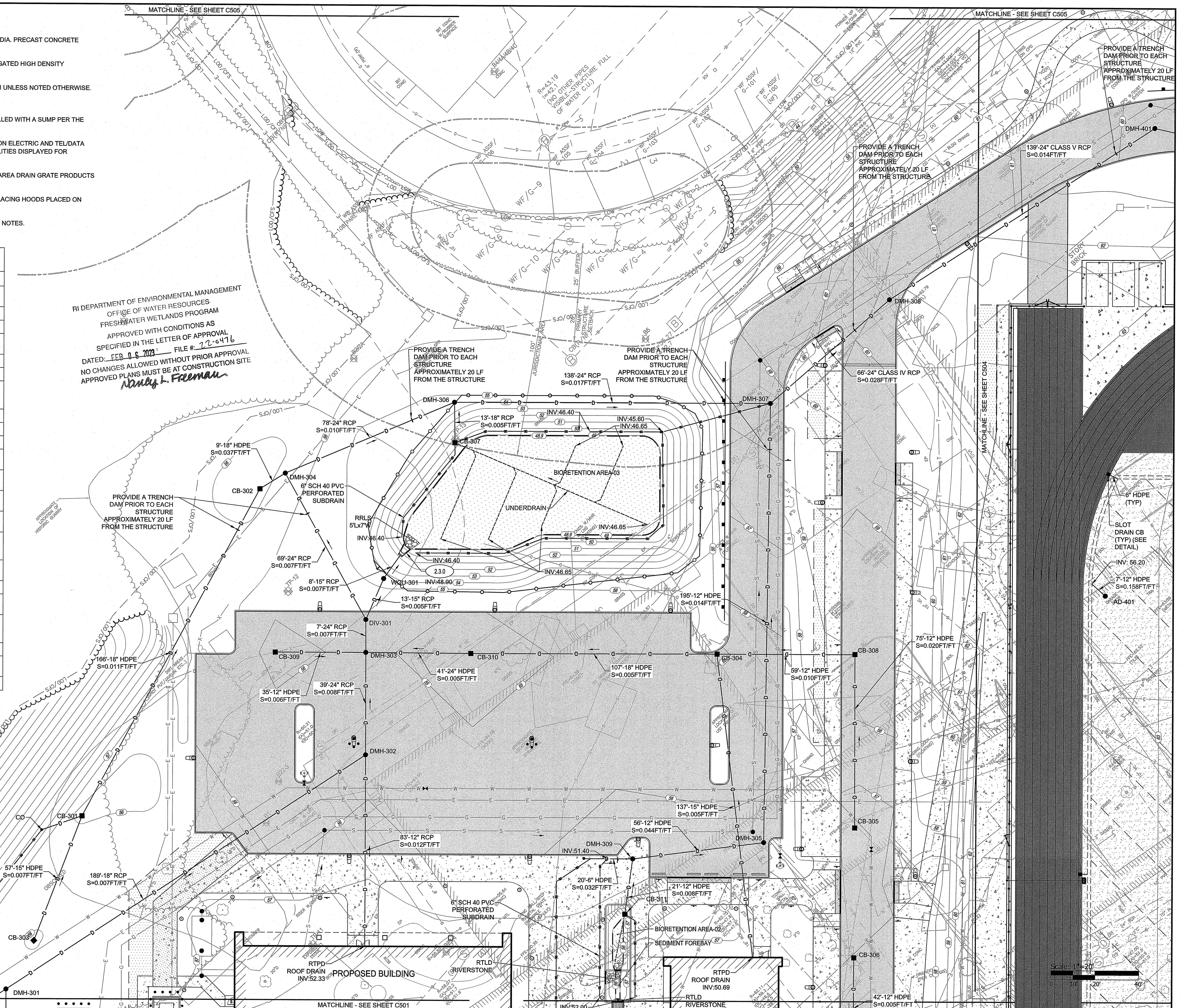
DATED: FEB 0 6 2023 FILE #: 22-0476
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Nancy L. Freeman



PARE

OWNER:
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C/O JOSEPH NICHOLSON,
CITY MANAGER
43 BROADWAY
NEWPORT, RI 02840

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

William S. Rogers High School

15 Wickham Road
Newport, Rhode Island
Map/Plat 41 Lot 2 & 300

DAVID L. POTTER
No. 8665
REGISTERED PROFESSIONAL ENGINEER (CIVIL)

REVISIONS:

1	01-13-2023	RIDEM RTC

PROJECT NO.:	21106.00
DATE:	OCTOBER 24, 2022
SCALE:	1"=20'
DESIGNED BY:	NPC/ACB
CHECKED BY:	VAH/MAB
DRAWN BY:	AKL/AB
APPROVED BY:	DLP

DRAWING TITLE:
DRAINAGE PLAN 3

DRAWING NO.:
C503 59

SHEET NO. 32 OF 68

Z:\JOBS\21 Jobs\21106.00 Newport - Rogers HS - RI\DWGS\C6.1 DRAINAGE PLAN.dwg

MATCHLINE - SEE SHEET C505

MATCHLINE - SEE SHEET C503

MATCHLINE - SEE SHEET C502

PROVIDE A TRENCH DAM PRIOR TO EACH STRUCTURE APPROXIMATELY 20 LF FROM THE STRUCTURE

139'-24" CLASS V RCP S=0.014FT/FT

159'-24" CLASS V RCP S=0.011FT/FT

94'-24" CLASS IV RCP S=0.041FT/FT

108'-12" HDPE S=0.009FT/FT

83'-24" CLASS IV RCP S=0.027FT/FT

37'-24" CLASS IV RCP S=0.017FT/FT

40'-24" CLASS IV RCP S=0.020FT/FT

66'-24" CLASS IV RCP S=0.028FT/FT

102'-24" HDPE S=0.007FT/FT

71'-6" HDPE

12'-24" CHDPE S=0.076FT/FT

86'-24" CHDPE S=0.057FT/FT

67'-12" RCP S=0.010FT/FT

75'-12" HDPE S=0.020FT/FT

59'-12" HDPE S=0.010FT/FT

42'-12" HDPE S=0.005FT/FT

DMH-308

DMH-401

DMH-402

DMH-403

DMH-404

DMH-405

DMH-406

DIV-401

CB-308

CB-305

CB-306

CB-401

AD-401

AD-402

CTE INV:25.55

INV:40.25

INV:44.00

INV:56.20

INV:56.40

INV:60.00

RIPRAP EDGE 10'Lx20'W 6" DEEP

SEDIMENT MARKER

SEDIMENT FOREBAY

SFCD

RRLS 6'Lx10'W

BIORETENTION AREA-04

UNDERDRAIN S=0.005 MIN

6" HDPE (TYP)

SLOT DRAIN CB (TYP) (SEE DETAIL)

18"x24" HDPE TEE INV: 55.50

18"x6" HDPE TEE INV: 55.50

6"-12" HDPE S=0.180FT/FT

RTLD SLOT DRAIN SET IN CURB (TYP) (SEE DETAIL)

18" MANIFOLD S=0.005 MIN

6" SCH 40 PVC PERFORATED SUBDRAIN

18"x6" HDPE TEE (TYP)

GRASS CHANNEL (SEE DETAIL)

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
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NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Nancy A. Freeman

DRAIN INVERT TABLE

STRUCTURE	RIM (FT)	INV. IN (FT)	INV. OUT (FT)	DIA. (FT)
AD-401	62.00		57.50 N	2
AD-402	62.00		57.70 E	2
CB-401	44.50	39.90 NW 32.40 N	32.30 E	6
DIV-401	54.75	44.75 NW	44.75 SE 44.75 NE	8
DMH-401	59.80	39.25 W	39.00 SE	4
DMH-402	53.10	37.25 NW 43.25 SW	37.00 SE	8
DMH-403	62.00	54.75 SW	50.00 SE	6
DMH-404	46.60	34.85 NW 40.45 N	34.75 S	5
DMH-405	45.50	31.40 W	31.15 SE	6
DMH-406	44.00	30.40 NW 25.55 NE	25.55 SW	8

NOTES:

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Scale: 1"=20'
0 10' 20' 40'

PARE

OWNER:
CITY OF NEWPORT
C/O JOSEPH NICHOLSON,
CITY MANAGER
43 BROADWAY
NEWPORT, RI 02840

SCALE ADJUSTMENT GUIDE
0" 1"
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William S. Rogers High School

15 Wickham Road
Newport, Rhode Island
Map/Plat 41 Lot 2 & 300

DAVID L. POTTER
No. 8665
REGISTERED PROFESSIONAL ENGINEER
STATE OF RHODE ISLAND

REVISIONS:

1	01-13-2023	RIDEM RTC

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
JAN 18 2023
Office of Water Resources

PROJECT NO.:	21106.00
DATE:	OCTOBER 24, 2022
SCALE:	1"=20'
DESIGNED BY:	NPC/ACB
CHECKED BY:	VAH/MAB
DRAWN BY:	AKL/AB
APPROVED BY:	DLP

DRAWING TITLE:

DRAINAGE PLAN 4

DRAWING NO.:
C504

SHEET NO. 33 OF 85

Z:\JOBS\21 Jobs\21106.00 Newport - Rogers HS - RIDWQSC\C6.1 DRAINAGE PLAN.dwg

NOTES:

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DRAIN INVERT TABLE

STRUCTURE	RIM (FT)	INV. IN (FT)	INV. OUT (FT)	DIA. (FT)
AD-501	45.00		41.50 S	2
CB-501(DOUBLE GRATE)	38.75		33.65 W	6
DMH-501	40.00	33.30 E 26.60 NE	26.60 SW	8

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
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APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Nancy L. Freeman

MATCHLINE - SEE SHEET C503

MATCHLINE - SEE SHEET C504

CB-501(DOUBLE GRATE)
DMH-501
CTE INV:26.60
27'-15" HDPE S=0.011FT/FT
AD-501
108'-12" HDPE S=0.009FT/FT

Scale: 1"=20'
0 10' 20' 40'

PARE

OWNER:
CITY OF NEWPORT
C/O JOSEPH NICHOLSON,
CITY MANAGER
43 BROADWAY
NEWPORT, RI 02840

SCALE ADJUSTMENT GUIDE
0" 1"
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William S. Rogers High School

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DAVID L. POTTER
No. 8665
REGISTERED PROFESSIONAL ENGINEER

REVISIONS:

1	01-13-2023	RIDEM RTC

RI Environmental Management
JAN 26 2023
Office of Water Resources

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CHECKED BY:	VAH/MAB
DRAWN BY:	AKL/AB
APPROVED BY:	DLP

DRAWING TITLE:
DRAINAGE PLAN 5

DRAWING NO.:
C505
SHEET NO. 34 OF 68

Z:\JOBS\21_Jobs\21106.00 Newport - Rogers HS - RI\DWGS\C8.1 DRAINAGE PLAN.dwg

SEWER INVERT TABLE

STRUCTURE	RIM (FT)	INV. IN (FT)	INV. OUT (FT)
SMH-01	57.05	52.99 SE	52.99 NE
SMH-02	57.10	52.60 SW	52.50 E
SMH-03 (DROP)	55.95	51.85 W 48.60 SW	48.50 SE
SMH-04	56.25	46.50 NW	46.40 NE
SMH-05	58.90	41.50 SW	41.40 E
SMH-06	59.00	39.20 W	39.10 SE
SMH-07	52.50	37.40 NW	37.30 SE
SMH-08	46.20	36.25 NW	36.15 E
SMH-09	36.20	32.90 W	32.80 NE
SMH-10	37.30	31.50 SW	31.40 SE
SMH-11 (DOGHOUSE MANHOLE)	37.70	31.15 NW 30.95 SW	30.95 NE

REFER TO C605

REFER TO C605

REFER TO C603

REFER TO C604

REFER TO C601

REFER TO C602

PROPOSED BUILDING

HARRISON LANE

OLD FORT ROAD

RUGGLES AVENUE

WICKHAM ROAD

WICKHAM ROAD

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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Nancy L. Freeman

Scale: 1"=60'
0 30' 60' 120'

Z:\JOBS\21 Jobs\21106.00 Newport - Rogers HS - RI\DWGS\C7.1 UTILITY PLAN.dwg

PARE

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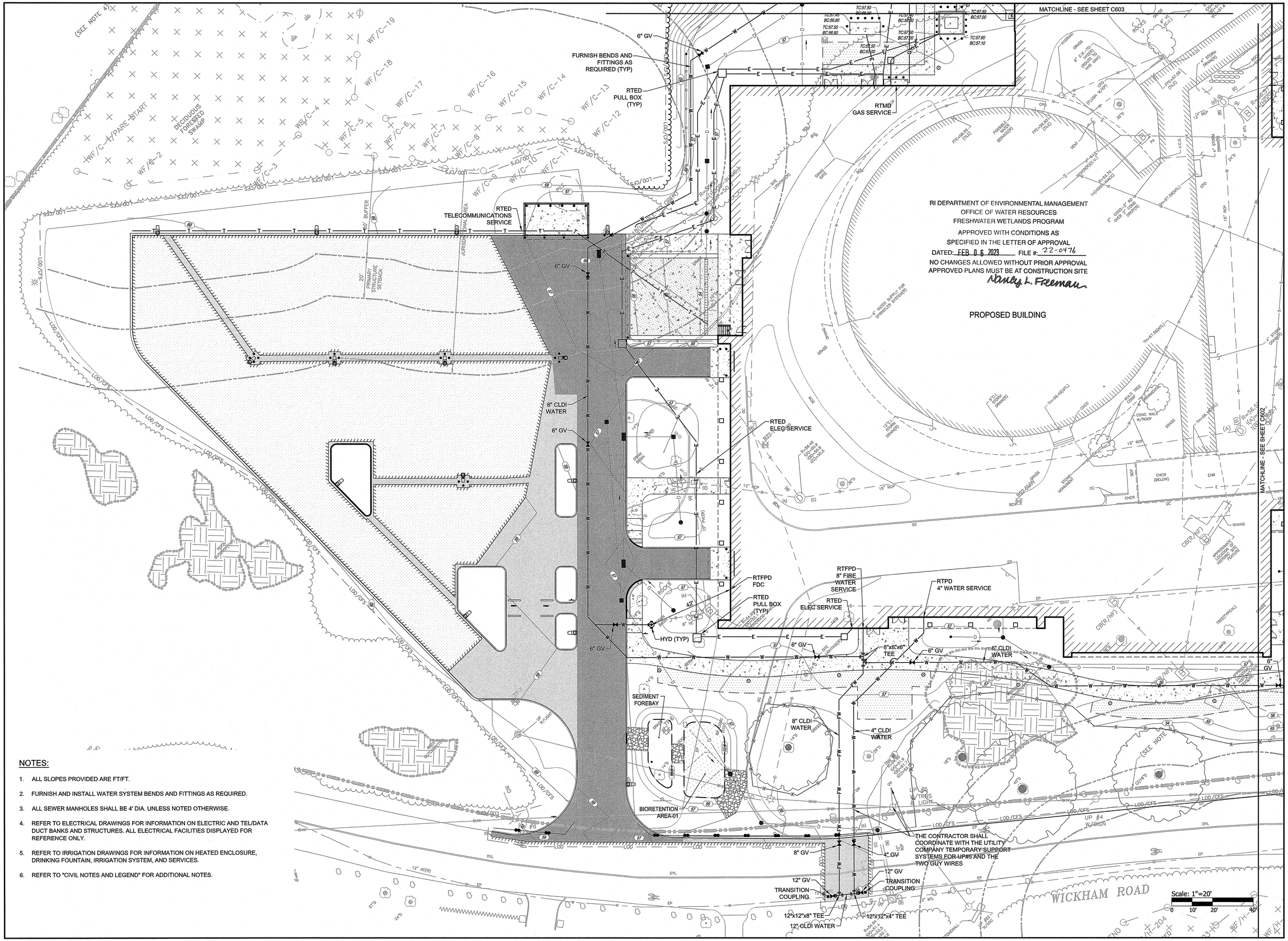
APPROVED BY:	DLP

DRAWING TITLE:

OVERALL
UTILITY PLAN

DRAWING NO.:
C600

SHEET NO. 35 OF 59



NOTES:

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Z:\JOBS\21 Jobs\21106.00 Newport - Rogers HS - RIDIV\GIS\C7.1 UTILITY PLAN.dwg

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RI Department of Environmental Management
JAN 18 2023
Office of Water Resources

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DRAWN BY:	AKL/AB
APPROVED BY:	DLP

DRAWING TITLE:

UTILITY PLAN 1

DRAWING NO.:
C601
SHEET NO. 36 OF 59

MATCHLINE - SEE SHEET C604

MATCHLINE - SEE SHEET C601

PROPOSED BUILDING

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
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David L. Freeman

RTED TELECOMMUNICATION
6" GV
6" CLDI WATER
REFER TO IRRIGATION DRAWING FOR IRRIGATION SYSTEM
REFER TO IRRIGATION DRAWING FOR DRINKING WATER FOUNTAIN SERVICE
REFER TO IRRIGATION DRAWING FOR HEATED ENCLOSURE
FURNISH BENDS AND CONNECTIONS AS REQUIRED (TYP)
2" PE WATER
RTED PULL BOX
6" GV (TYP)
HYD (TYP)
RTED TELECOMMUNICATION SERVICE
RTED CTE
2" CURB STOP
CTE WATER
12"x12"x2" SERVICE SADDLE
BIORETENTION AREA-05
SEDIMENT FOREBAY
DETENTION BASIN -01
1 STORY BRICK/GLASS/METAL
2 STORY BRICK/GLASS/METAL
HERITAGE TREE: CENTER (NEWPORT TREE CONSERVANCY)
GREENHOUSE
UP #1 W/LIGHT
UP #2
UP #61
12" DRAIN
Scale: 1"=20'
0 10' 20' 40'

NOTES:

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Z:\JOBS\21 Jobs\21106.00 Newport - Rogers HS - RI\DWGS\C7.1 UTILITY PLAN.dwg

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JAN 19 2023
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APPROVED BY:	DLP

DRAWING TITLE:

UTILITY PLAN 2

DRAWING NO.:
C602
SHEET NO. 37 OF 83

NOTES:

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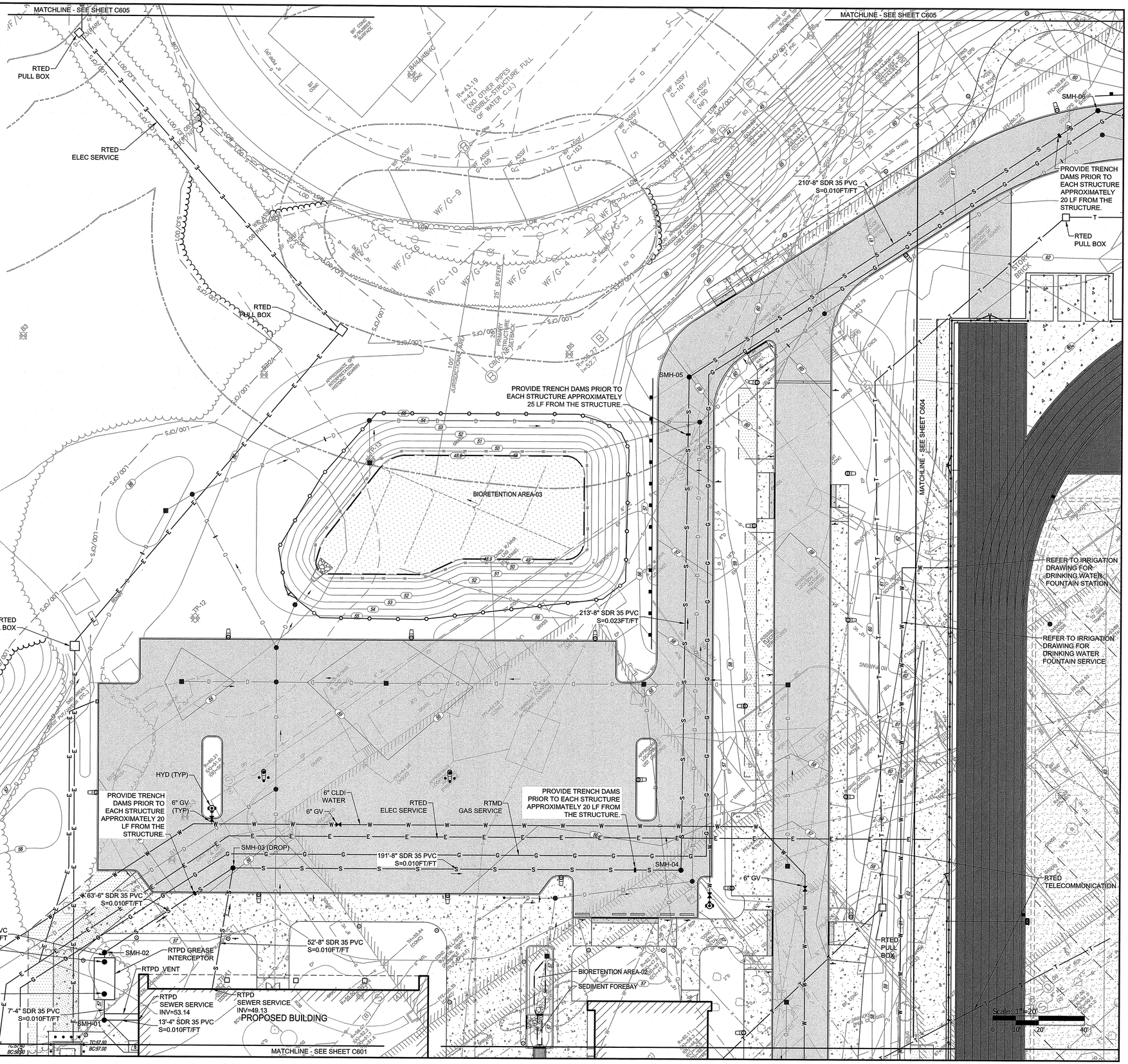
6. REFER TO "CIVIL NOTES AND LEGEND" FOR ADDITIONAL NOTES.

SEWER INVERT TABLE

STRUCTURE	RIM (FT)	INV. IN (FT)	INV. OUT (FT)
SMH-01	57.05	52.99 SE	52.99 NE
SMH-02	57.10	52.60 SW	52.50 E
SMH-03 (DROP)	55.95	51.85 W 48.60 SW	48.50 SE
SMH-04	56.25	46.50 NW	46.40 NE
SMH-05	58.90	41.50 SW	41.40 E
SMH-06	59.00	39.20 W	39.10 SE
SMH-07	52.50	37.40 NW	37.30 SE
SMH-08	46.20	36.25 NW	36.15 E
SMH-09	36.20	32.90 W	32.80 NE
SMH-10	37.30	31.50 SW	31.40 SE
SMH-11 (DOGHOUSE MANHOLE)	37.70	31.15 NW 30.95 SW	30.95 NE

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS
SPECIFIED IN THE LETTER OF APPROVAL
DATED: FEB 06 2023 FILE #: 22-0476
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Nancy L. Freeman



PARE

OWNER:
CITY OF NEWPORT
C/O JOSEPH NICHOLSON,
CITY MANAGER
43 BROADWAY
NEWPORT, RI 02840

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

William S. Rogers High School

15 Wickham Road
Newport, Rhode Island
Map/Plat 41 Lot 2 & 300

DAVID L. POTTER
No. 8665
REGISTERED PROFESSIONAL ENGINEER

REVISIONS:

1	01-13-2023	RIDEM RTC

PROJECT NO.:	21106.00
DATE:	OCTOBER 24, 2022
SCALE:	1"=20'
DESIGNED BY:	NPC/ACB
CHECKED BY:	VAH/MAB
DRAWN BY:	AKL/AB
APPROVED BY:	DLP

DRAWING TITLE:
UTILITY PLAN 3

DRAWING NO.:
C603
SHEET NO. 38 OF 98

Z:\JOBS\21 Jobs\21106.00 Newport - Rogers HS - RIDWQS\C7 1 UTILITY PLAN.dwg

MATCHLINE - SEE SHEET C605

MATCHLINE - SEE SHEET C603

MATCHLINE - SEE SHEET C602

SMH-06

RTMD GAS SERVICE

170'-8" SDR 35 PVC S=0.010FT/FT

PROVIDE TRENCH DAMS PRIOR TO EACH STRUCTURE APPROXIMATELY 20 LF FROM THE STRUCTURE.

93'-8" SDR 35 PVC S=0.011FT/FT

SMH-08

PROVIDE TRENCH DAMS PRIOR TO EACH STRUCTURE APPROXIMATELY 20 LF FROM THE STRUCTURE.

210'-8" SDR 35 PVC S=0.010FT/FT

PROVIDE TRENCH DAMS PRIOR TO EACH STRUCTURE APPROXIMATELY 20 LF FROM THE STRUCTURE.

SMH-07

RTED PULL BOX

SEDIMENT FOREBAY

BIORETENTION AREA-04

RTED PULL BOX

REFER TO IRRIGATION DRAWING FOR DRINKING WATER FOUNTAIN STATION

REFER TO IRRIGATION DRAWING FOR DRINKING WATER FOUNTAIN SERVICE

RTED TELECOMMUNICATION

RTED PULL BOX

RIDEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
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DATED: FEB 06 2023 FILE #: 22-0476
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Stanley L. Freeman

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SMH-09	36.20	32.90 W	32.80 NE
SMH-10	37.30	31.50 SW	31.40 SE
SMH-11 (DOGHOUSE MANHOLE)	37.70	31.15 NW 30.95 SW	30.95 NE

NOTES:

1. ALL SLOPES PROVIDED ARE FT/FT.
2. FURNISH AND INSTALL WATER SYSTEM BENDS AND FITTINGS AS REQUIRED.
3. ALL SEWER MANHOLES SHALL BE 4' DIA. UNLESS NOTED OTHERWISE.
4. REFER TO ELECTRICAL DRAWINGS FOR INFORMATION ON ELECTRIC AND TEL/DATA DUCT BANKS AND STRUCTURES. ALL ELECTRICAL FACILITIES DISPLAYED FOR REFERENCE ONLY.
5. REFER TO IRRIGATION DRAWINGS FOR INFORMATION ON HEATED ENCLOSURE, DRINKING FOUNTAIN, IRRIGATION SYSTEM, AND SERVICES.
6. REFER TO "CIVIL NOTES AND LEGEND" FOR ADDITIONAL NOTES.

Scale: 1"=20'
0 10' 20' 40'

Z:\JOBS\21 Jobs\21106.00 Newport - Rogers HS - RIDWGS\C7.1 UTILITY PLAN.dwg

PARE

OWNER:
CITY OF NEWPORT
C/O JOSEPH NICHOLSON,
CITY MANAGER
43 BROADWAY
NEWPORT, RI 02840

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

William S. Rogers High School

15 Wickham Road
Newport, Rhode Island
Map/Plat 41 Lot 2 & 300

DAVID L. POTTER
No. 8665
REGISTERED PROFESSIONAL ENGINEER (CIVIL)

REVISIONS:

1	01-13-2023	RIDEM RTC

PROJECT NO.: 21106.00
DATE: OCTOBER 24, 2022
SCALE: 1"=20'
DESIGNED BY: NPC/ACB
CHECKED BY: VAH/MAB
DRAWN BY: AKL/AB
APPROVED BY: DLP
DRAWING TITLE:

UTILITY PLAN 4

DRAWING NO.:
C604
SHEET NO. 39 OF 65

NOTES:

1. ALL SLOPES PROVIDED ARE FT/FT.
2. FURNISH AND INSTALL WATER SYSTEM BENDS AND FITTINGS AS REQUIRED.
3. ALL SEWER MANHOLES SHALL BE 4' DIA. UNLESS NOTED OTHERWISE.
4. REFER TO ELECTRICAL DRAWINGS FOR INFORMATION ON ELECTRIC AND TEL/DATA DUCT BANKS AND STRUCTURES. ALL ELECTRICAL FACILITIES DISPLAYED FOR REFERENCE ONLY.
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SMH-11 (DOGHOUSE MANHOLE)	37.70	31.15 NW 30.95 SW	30.95 NE

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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Stanley L. Freeman

PROVIDE TRENCH DAMS PRIOR TO EACH STRUCTURE APPROXIMATELY 20 LF FROM THE STRUCTURE.

MATCHLINE - SEE SHEET C603

MATCHLINE - SEE SHEET C604

Z:\JOBS\21 Jobs\21106.00 Newport - Rogers HS - RIDWGS\C7.1 UTILITY PLAN.dwg

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SCALE ADJUSTMENT GUIDE
0" 1"
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William S. Rogers High School

15 Wickham Road
Newport, Rhode Island
Map/Plat 41 Lot 2 & 300

DAVID L. POTTER
No. 8665
REGISTERED PROFESSIONAL ENGINEER

REVISIONS:

1	01-13-2023	RIDEM RTC

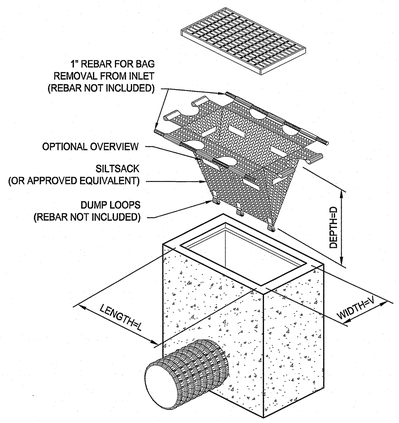
Received by Wetlands Management
JAN 30 2023
City of Newport, RI

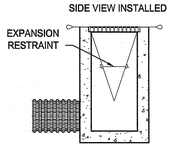
PROJECT NO.:	21106.00
DATE:	OCTOBER 24, 2022
SCALE:	1"=20'
DESIGNED BY:	NPC/ACB
CHECKED BY:	VAH/MAB
DRAWN BY:	AKL/AB
APPROVED BY:	DLP

DRAWING TITLE:

UTILITY PLAN 5

DRAWING NO.:
C605
SHEET NO. 40 OF 59



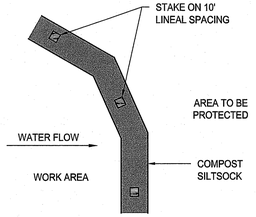


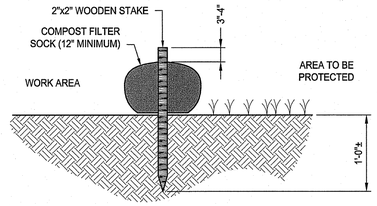
INSTALLATION DETAIL

NOTES:

1. INLET PROTECTION SHALL BE CLEANED OF SILT AND DEBRIS ON A REGULAR BASIS AS REQUIRED BY PROJECT SPECIFIC SESC.
2. INSPECTIONS SHALL BE DONE AFTER EACH RAIN EVENT AND AT A MINIMUM EVERY TWO WEEKS AND AS REQUIRED BY PROJECT SPECIFIED SESC.

TEMPORARY INLET PROTECTION
NOT TO SCALE

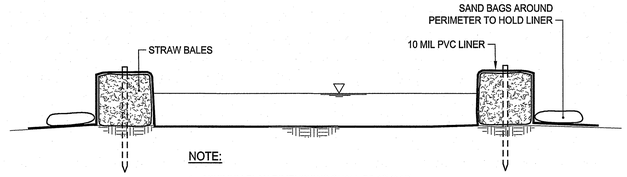




NOTES:

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.

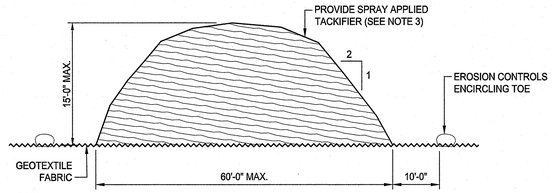
COMPOST FILTER SOCK DETAIL
NOT TO SCALE



NOTE:

1. MINIMUM PLAN DIMENSIONS SHALL BE 10' X 10'.

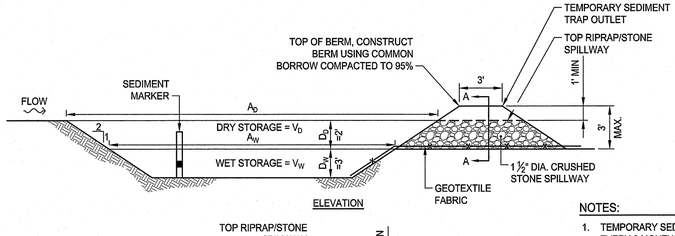
CONCRETE WASHOUT FACILITY
NOT TO SCALE



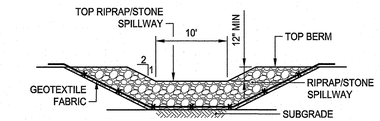
NOTES:

1. STOCKPILE AREA SHALL NOT EXCEED SPECIFIED DIMENSIONS WITHOUT APPROVAL FROM ENGINEER.
2. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL PREPARE A PLAN SHOWING THE PROPOSED LOCATION OF ALL STOCKPILE AREAS.
3. STOCKPILED ERODIBLE MATERIAL SHALL RECEIVE SPRAY APPLIED TACKIFIER IMMEDIATELY FOLLOWING PLACEMENT TO CONTROL DUST AND PREVENT EROSION.
4. STOCKPILES SHALL BE COVERED FOR DUST CONTROL, TO MINIMIZE EROSION, AND IN A MANNER THAT WILL NOT INCREASE STORMWATER RUNOFF TO OFF-SITE PROPERTIES

ERODIBLE MATERIAL STOCKPILE
NOT TO SCALE



ELEVATION



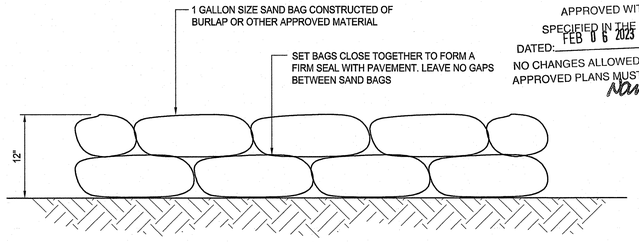
SECTION A-A

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	74	36	2664	6793	6272	13065
TST-2	78	39	3042	7757	7084	14841
TST-3	84	42	3528	8996	8128	17124
TST-4	73	36	2628	6701	6192	12893

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.
5. REFER TO THE SOIL EROSION CONTROL PLANS FOR LIMITS OF A_D AND A_W.
6. GEOTEXTILE FABRIC SHALL BE MIRAFI 140N OR APPROVED EQUIVALENT.

TEMPORARY SEDIMENT TRAP DETAIL
NOT TO SCALE



SAND BAG EROSION CONTROL BARRIER
NOT TO SCALE

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS
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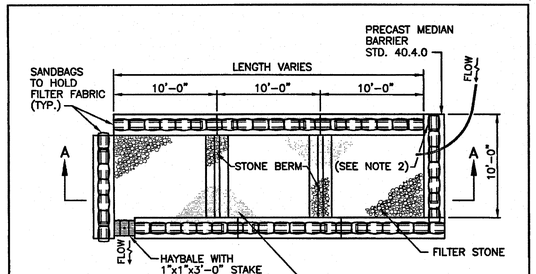
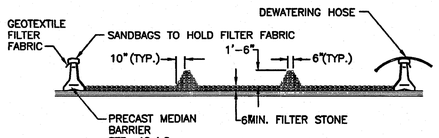
DATED: FEB 06 2023 FILE #: 22-0476
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Wesley L. Freeman



PLAN



SECTION

NOTS:
1. SHALL BE IN ACCORDANCE WITH SECTION 208 OF THE R.I. STANDARD SPECIFICATIONS.
2. PROVIDE ADDITIONAL SAND BAGS AS REQUIRED TO FILL SPACE BETWEEN ADJACENT BARRIERS.

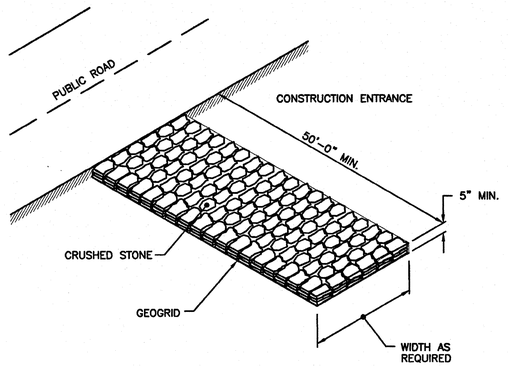
RHODE ISLAND DEPARTMENT OF TRANSPORTATION

REVISIONS NO.	BY	DATE

DEWATERING BASIN

JUNE 15, 1998 ISSUE DATE

R.I. STANDARD 9.7.0



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

JUNE 15, 1998 ISSUE DATE

R.I. STANDARD 9.9.0

Z:\JOBS\21 Jobs\21106.00 Newport - Rogers HS - RIDWG\SD\DETAILS.dwg

PARE

OWNER:
CITY OF NEWPORT
C/O JOSEPH NICHOLSON,
CITY MANAGER
43 BROADWAY
NEWPORT, RI 02840

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

William S. Rogers High School
15 Wickham Road
Newport, Rhode Island
Map/Plat 41 Lot 2 & 300

DAVID L. POTTER
No. 8665
REGISTERED PROFESSIONAL ENGINEER (CIVIL)

REVISIONS:

1	01-13-2023	RIDEM RTC

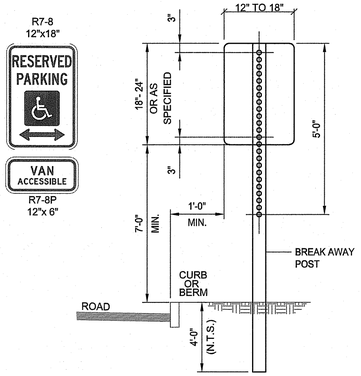
RI Department of Environmental Management
JAN 26 2023
Office of Water Resources

PROJECT NO.:	21106.00
DATE:	OCTOBER 24, 2022
SCALE:	
DESIGNED BY:	NPC/ACB
CHECKED BY:	VAH/MAB
DRAWN BY:	AKL/AB
APPROVED BY:	DLP

DRAWING TITLE:
DETAILS 1

DRAWING NO.:
C701

SHEET NO. 41 OF 83

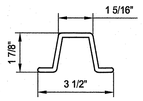


NOTE:

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.

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 SECTION T.15 OF 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.
6. ALL ACCESSIBLE PARKING AND SIGNAGE SHALL BE IN CONFORMANCE WITH THE RULES & REGULATIONS AS SPECIFIED BY THE AMERICAN DISABILITIES ACT (ADA).
7. SIGN(S) SHALL BE LOCATED SO THEY CANNOT BE OBSCURED BY A VEHICLE PARKED IN THE SPACE.
8. FOR ACCESSIBLE VAN SPACE USE SIGN AS DETAILED.
9. FOR ACCESSIBLE SPACE FOR AUTOMOBILES USE ONLY ACCESSIBLE PARKING SIGN.

ACCESSIBLE SIGN MOUNTING

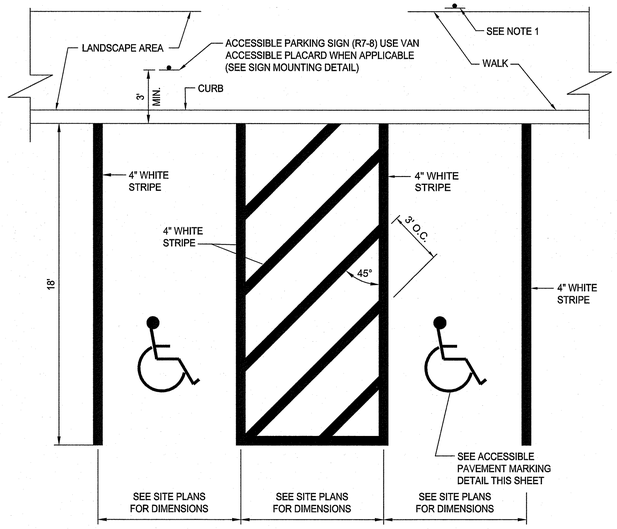
NOT TO SCALE

LEGEND	DESIGNATION	SIZE
STOP	R1-1	(30" x 30")
ALL WAY	R1-3P	(9" x 24")
SCHOOL ZONE AHEAD	R5-1	(24" x 24")
RESERVED PARKING	R7-8	(12" x 18")
VAN ACCESSIBLE	R7-8P	(12" x 6")
	S1-1	(30" x 30")
SCHOOL SPEED LIMIT 20 WHEN FLASHING	S5-1	(24" x 48")
	W3-1	(36" x 36")
35 MPH	W13-1P	(24" x 24")
	W16-7PL	(12" x 24")
	GENERAL DIRECTIONAL SIGN, REFER TO PLANS FOR TEXT	(24" x 18") OR AS REQUIRED
NO IDLING	NO IDLING	(12" x 18")
NO SMOKING	NO SMOKING	(24" x 36")

NOTE:

1. SIGNS SHALL BE CONSTRUCTED OF TYPE III REFLECTORIZED SHEETING AND IN ACCORDANCE WITH MUTCD REQUIREMENTS, LATEST REVISION.
2. THE CONTRACTOR SHALL SUBMIT SAMPLE SIGNS TO THE OWNER FOR APPROVAL PRIOR TO FURNISHING.
3. LETTERS, COLOR, AND FONT FOR NON-STANDARD SIGNS SHALL BE SELECTED BY THE OWNER.
4. ALL SIGN MOUNTING SHALL CONFORM TO R.I. STD. DETAIL 24.2.0 EXCEPT R7-8 AND R7-8P. R7-8 AND R7-8P SHALL CONFORM TO ACCESSIBLE SIGN MOUNTING DETAIL.

SIGN SCHEDULE

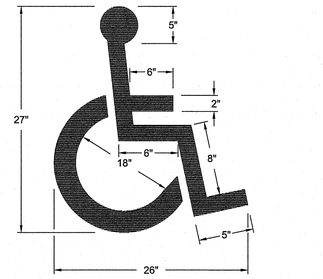


NOTES:

1. WHERE STALLS ABUT SIDEWALK, PARKING SIGNS SHOULD BE PLACED AT BACK EDGE OF SIDEWALK.
2. ALL PAVEMENT MARKINGS TO BE EPOXY RESIN.

ACCESSIBLE PARKING STALLS @ 90°

NOT TO SCALE

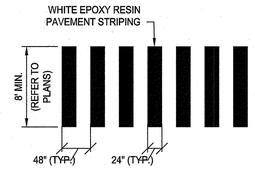


NOTE:

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

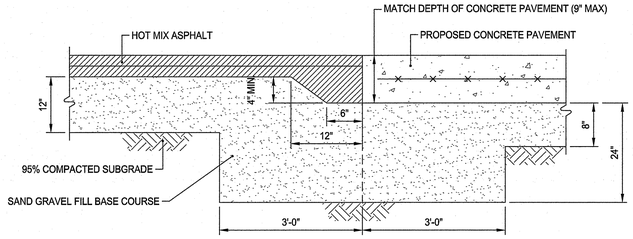
ACCESSIBLE PAVEMENT MARKING

NOT TO SCALE



TYPICAL CROSSWALK DETAIL

NOT TO SCALE



ASPHALT TURNDOWN DETAIL

NOT TO SCALE

NOTE:

SUBMIT JOB MIX FORMULAS TO ENGINEER FOR APPROVAL PRIOR TO PLACEMENT

TYPICAL HEAVY DUTY PAVEMENT DETAIL

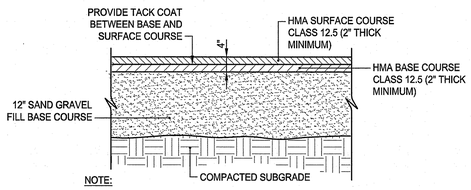
NOT TO SCALE

NOTE:

1. SPEED BUMPS SHALL EXTEND FULL WIDTH OF ROADWAY TO 12" FROM EDGE OF PAVEMENT TO ALLOW RUNOFF TO CONTINUE THROUGH GUTTER LINE.
2. SURFACE JOINTS SHALL BE SEALED WITH SAND AND EMULSION TACK COAT.
3. SPEED BUMPS SHALL BE PAINTED YELLOW.

SPEED BUMP

NOT TO SCALE

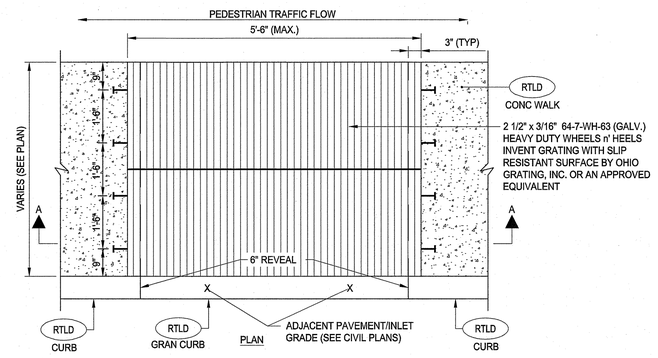


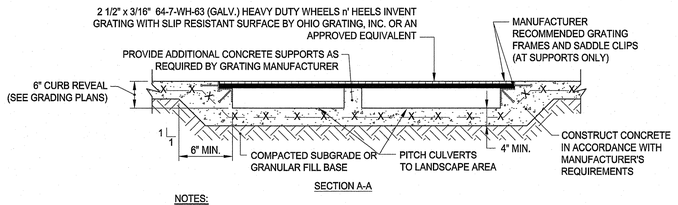
NOTE:

1. SUBMIT JOB MIX FORMULAS TO ENGINEER FOR APPROVAL PRIOR TO PLACEMENT.
2. THE CONTRACTOR SHALL CHECK EXISTING PAVEMENT DEPTH IN THE CITY RIGHT OF WAY THEN MATCH EXISTING.

HOT MIX ASPHALT PAVEMENT

NOT TO SCALE





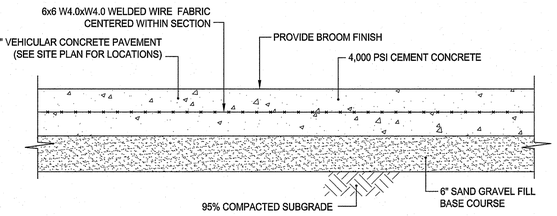
SECTION A-A

NOTES:

1. PROVIDE SUBMITTAL DEPICTING GRATE, CONCRETE WALK, SUPPORTS AND OTHER INFORMATION FOR REVIEW BY OWNER'S REPRESENTATIVE.
2. GRATING SHALL BE IN COMPLIANCE WITH ADA ACCESSIBILITY GUIDELINES.

SIDEWALK GRATE

NOT TO SCALE



VEHICULAR CONCRETE PAVEMENT DETAIL

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: FEB 06 2023 FILE #: 22-0476
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Randy L. Freeman

PARE

OWNER:
CITY OF NEWPORT
C/O JOSEPH NICHOLSON,
CITY MANAGER
43 BROADWAY
NEWPORT, RI 02840

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

William S. Rogers High School
15 Wickham Road
Newport, Rhode Island
Map/Plat 41 Lot 2 & 300

DAVID L. POTTER
No. 8665
REGISTERED PROFESSIONAL ENGINEER (CIVIL)

REVISIONS:		
1	01-13-2023	RIDEM RTC

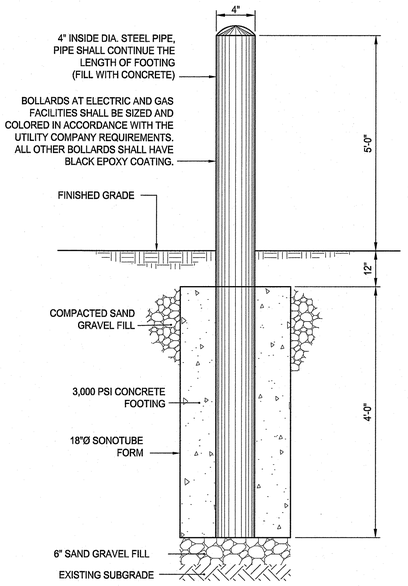
PROJECT NO.:	21106.00
DATE:	OCTOBER 24, 2022
SCALE:	
DESIGNED BY:	NPC/ACB
CHECKED BY:	VAH/MAB
DRAWN BY:	AKL/AB
APPROVED BY:	DLP

DRAWING TITLE:

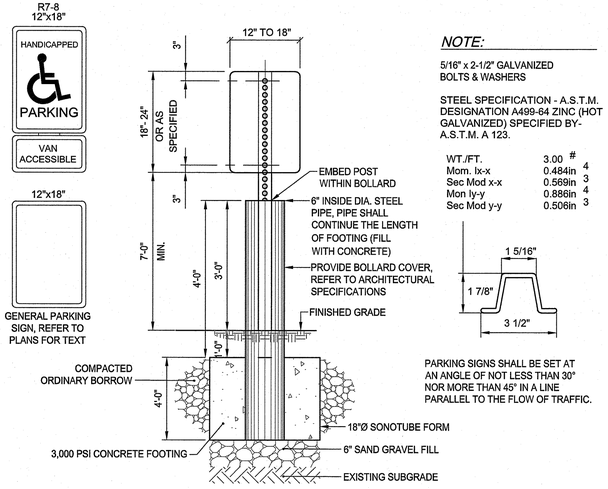
DETAILS 2

DRAWING NO.:
C702
SHEET NO. 42 OF 59

Z:\JOBS\21\Jobs\21106.00 Newport - Rogers HS - RI\DWGS\DETAILS.dwg



BOLLARD 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.

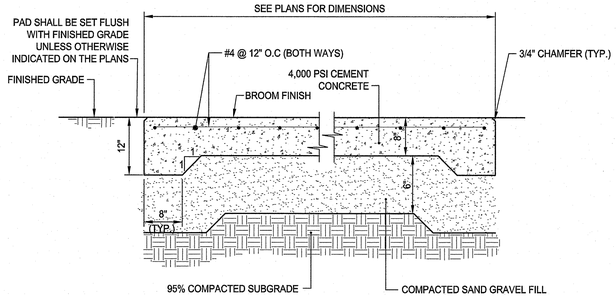
WT./FT.	3.00	#
Mom. Ix-x	0.484in	4
Sec Mod x-x	0.569in	3
Mon Iy-y	0.886in	4
Sec Mod y-y	0.506in	3

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.

SIGN WITH BOLLARD MOUNTING
NOT TO SCALE



NOTES:
1. FOR DUMPSTER PAD AND BOLLARD LOCATIONS SEE PLANS.
2. REINFORCING TO BE #4 GRADE 60 BARS AND SHALL CONFORM TO ASTM STANDARD A-615 OF THE LATEST DATA. REINFORCING RODS TO BE LOCATED IN THE CENTER OF THE SLAB, WITH A MINIMUM OF 2" CLEARANCE FROM FACE OF CONCRETE.
3. THE CONTRACTOR SHALL COORDINATE LAYOUT OF ENCLOSURE AND CONCRETE PAD. REFER TO LANDSCAPE DRAWINGS.

CEMENT CONCRETE DUMPSTER PAD
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: FEB 06 2023 FILE #: 22-0476
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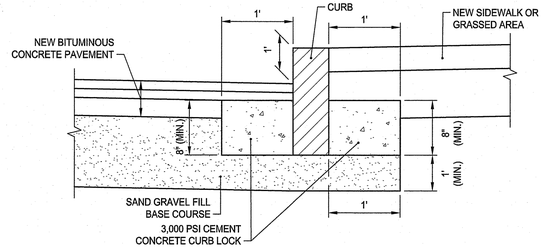
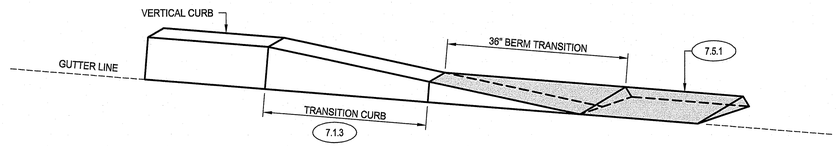
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Ashley L. Freeman

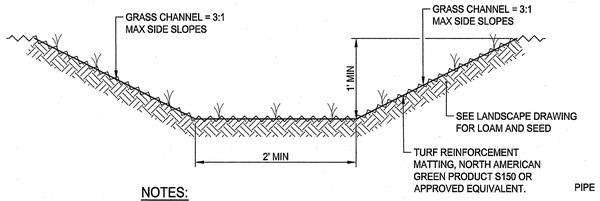


NOTES:
1. SHALL BE IN ACCORDANCE WITH SECTION 906 OF THE R.I. STANDARD SPECIFICATIONS.
2. PROVIDE CEMENT CONCRETE CURB LOCK ON ALL CURBS
3. REFER TO LANDSCAPE DRAWINGS FOR CURB SETTING DETAIL OF LANDSCAPE CURBS.

CURB SETTING DETAIL
NOT TO SCALE

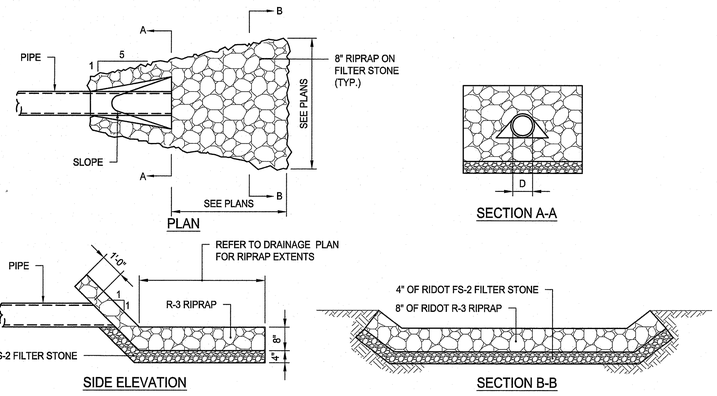


HMA BERM TRANSITION TO CURB
NOT TO SCALE

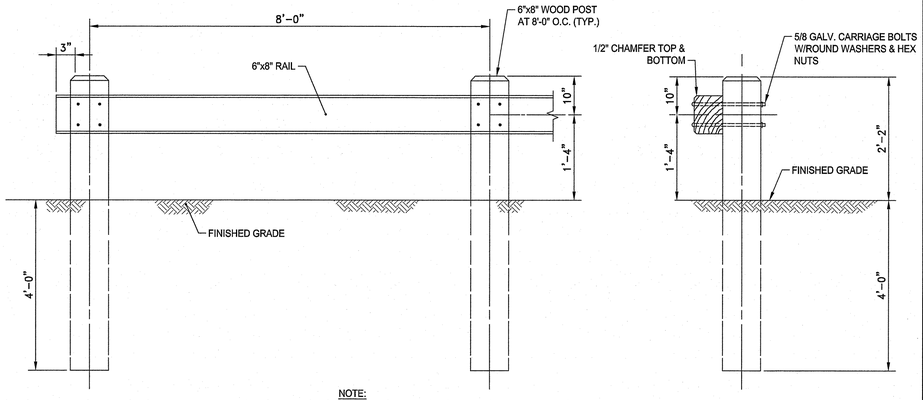


NOTES:
1. SEED WITH OPEN CHANNEL GRASSES AS SPECIFIED IN THE LANDSCAPE DRAWINGS.
2. IF VELOCITIES WITHIN GRASS CHANNEL SHOW EROSION, THEN SOD TURF, RIPRAP, OR OTHER STABILIZATION MEANS SHALL BE WARRANTED, OR AS DIRECTED BY THE ENGINEER.

GRASS CHANNEL DETAIL
NOT TO SCALE



RIPRAP LEVEL SPREADER
NOT TO SCALE



NOTE:
ALL TIMBERS SHALL BE PRESSURE TREATED

TIMBER GUARD RAIL
NOT TO SCALE

PARE

OWNER:
CITY OF NEWPORT
C/O JOSEPH NICHOLSON, CITY MANAGER
43 BROADWAY
NEWPORT, RI 02840

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

William S. Rogers High School
15 Wickham Road
Newport, Rhode Island
Map/Plat 41 Lot 2 & 300

DAVID L. POTTER
No. 8665
REGISTERED PROFESSIONAL ENGINEER

REVISIONS:

1	01-13-2023	RIDEM RTC

RI Department of Environmental Management
JAN 30 2023
Office of Water Resources

PROJECT NO.:	21106.00
DATE:	OCTOBER 24, 2022
SCALE:	
DESIGNED BY:	NPC/ACB
CHECKED BY:	VAH/MAB
DRAWN BY:	AKL/AB
APPROVED BY:	DLP

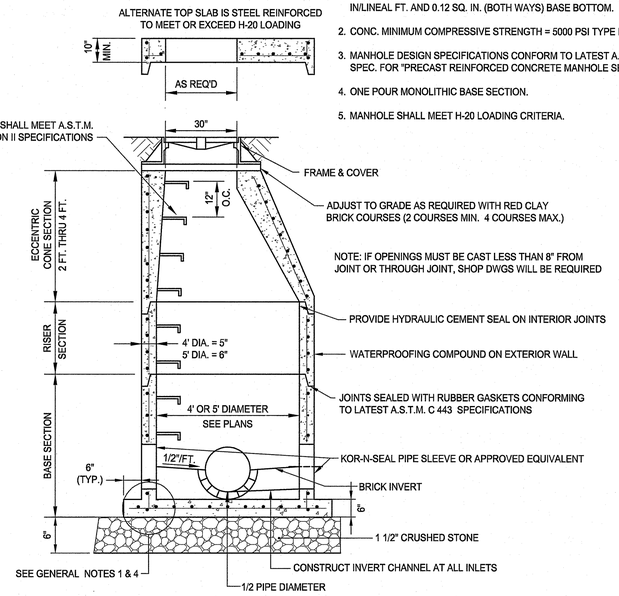
DRAWING TITLE:
DETAILS 3

DRAWING NO.:
C703
SHEET NO. 43 OF 54

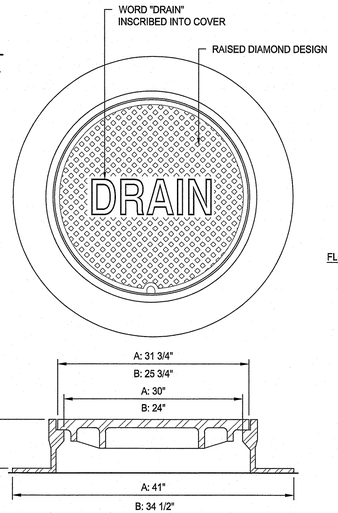
Z:\JOBS\21 Jobs\21106.00 Newport - Rogers HS - RIDWQS\DETAILS.dwg

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 = 5000 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.



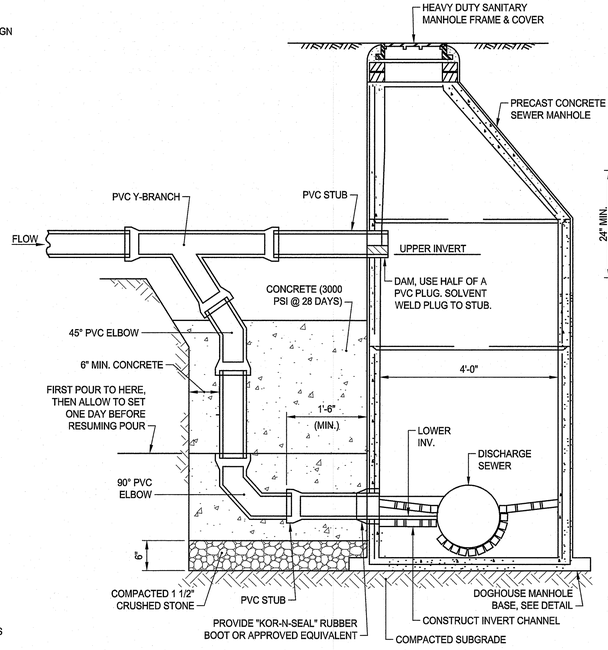
TYPICAL SEWER MANHOLE DETAIL
NOT TO SCALE



NOTES:

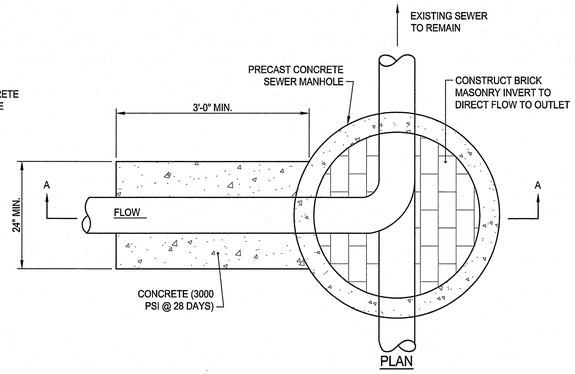
1. ALL FRAMES AND COVERS SHALL MEET H-20 LOADING CRITERIA.
2. PROVIDE:
   A: 30" DIA. DRAIN MANHOLE FRAME AND COVER SHALL BE NEENAH FOUNDRY, INC. MODEL #R-1557 OR APPROVED EQUIVALENT.
   B: 24" DIA. DRAIN MANHOLE FRAME AND COVER SHALL BE NEENAH FOUNDRY, INC. MODEL #R-1556 OR APPROVED EQUIVALENT.
3. ALL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

DRAIN MANHOLE FRAME & COVER
NOT TO SCALE

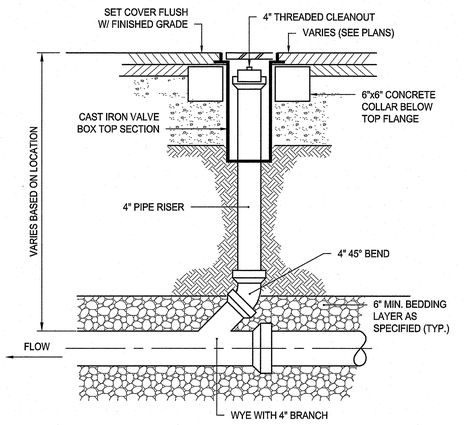


SECTION A-A

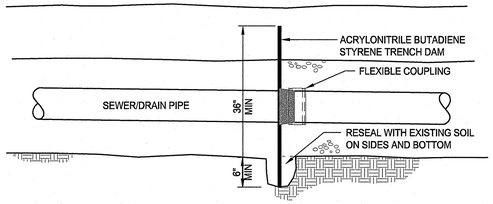
OUTSIDE DROP MANHOLE DETAIL
NOT TO SCALE

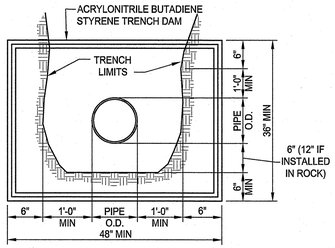


PLAN



CLEANOUT DETAIL
NOT TO SCALE

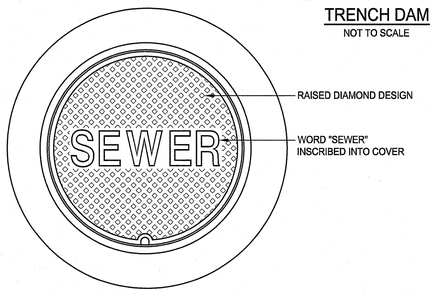


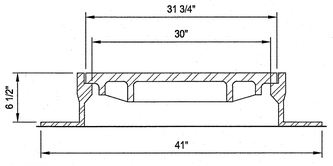


NOTES:

1. INSTALL TRENCH DAM EVERY 300 FEET ALONG PIPE AND PRIOR TO EACH STRUCTURE.
2. TRENCH DAM EVERY 300 FEET ALONG PIPES BELOW THE SEASONAL HIGH-WATER LEVELS.

TRENCH DAM
NOT TO SCALE

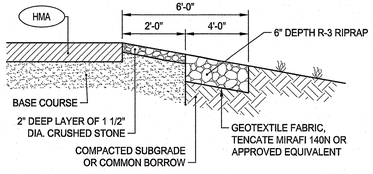




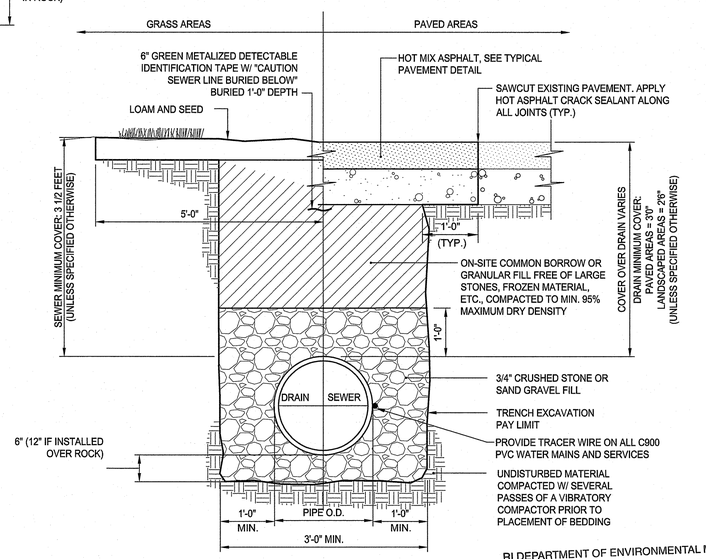
NOTES:

1. NEENAH FOUNDRY, INC. MODEL #R-1557 OR APPROVED EQUIVALENT.
2. COVER SHALL MEET H-20 LOADING CRITERIA.

SANITARY MANHOLE FRAME & COVER
NOT TO SCALE



RIPRAP EDGE
NOT TO SCALE



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.

GRAVITY SEWER/DRAIN TRENCH DETAIL
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: FEB 06 2023 FILE #: 22-0476
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
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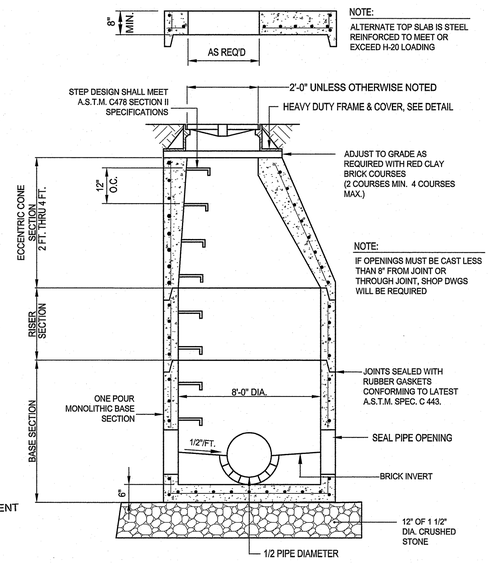
Randy L. Freeman



NOTES:
1. CONCRETE: 5,000 PSI MINIMUM STRENGTH AFTER 28 DAYS.
2. DESIGN LOADING: AASHTO HS20-44, O TO 5 FEET COVER.
3. STEEL REINFORCEMENT CONFORMS TO ASTM A615, GRADE 60. STEEL REINFORCEMENT SHALL BE MINIMUM OF 0.15 SQ IN/LF.
4. STRUCTURE SHALL CUSTOM MANUFACTURED FOR THE PROHJECT INLETS AND OUTLET.

8' DIA DRAIN MANHOLE DETAIL
NOT TO SCALE

PARE

OWNER:
CITY OF NEWPORT
C/O JOSEPH NICHOLSON, CITY MANAGER
43 BROADWAY
NEWPORT, RI 02840

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

William S. Rogers High School

15 Wickham Road
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Map/Plat 41 Lot 2 & 300

DAVID L. POTTER
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REGISTERED PROFESSIONAL ENGINEER
STATE OF RHODE ISLAND

REVISIONS:

1	01-13-2023	RIDEM RTC

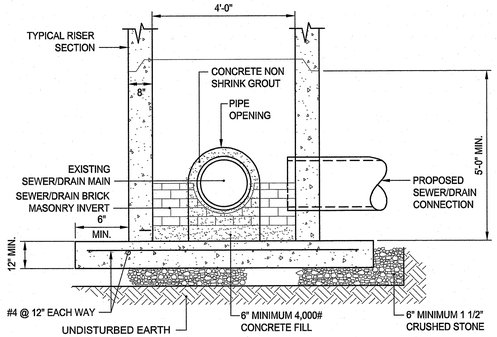
PROJECT NO.:	21106.00
DATE:	OCTOBER 24, 2022
SCALE:	
DESIGNED BY:	NPC/ACB
CHECKED BY:	VAH/MAB
DRAWN BY:	AKL/AB
APPROVED BY:	DLP

DRAWING TITLE:

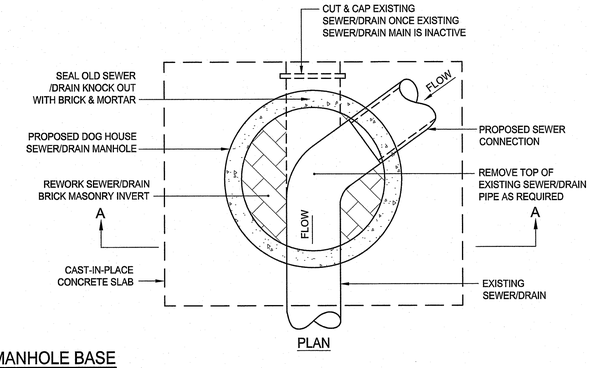
DETAILS 8

DRAWING NO.:
C708
SHEET NO. 44 OF 59

Z:\JOBS\21 Jobs\21106.00 Newport - Rogers HS - RI\DWGS\DETAILS.dwg



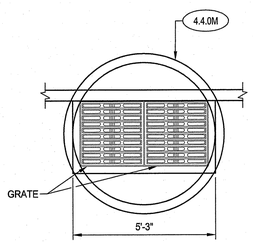
SECTION A-A



PLAN

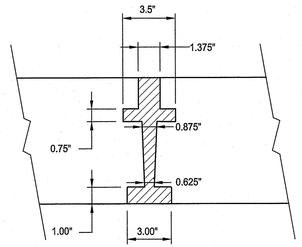
DOG-HOUSE MANHOLE BASE

NOT TO SCALE

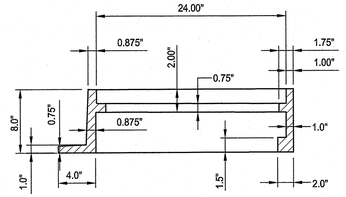


NOTE:
PROVIDE TYPE "F" CATCH BASIN ALONG ENTIRE LENGTH OF GRATE FOR CATCH BASINS PROPOSED ALONG CURB.

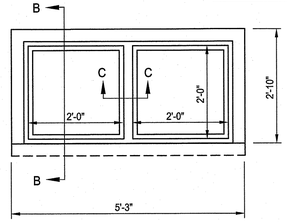
PLAN



SECTION C - C



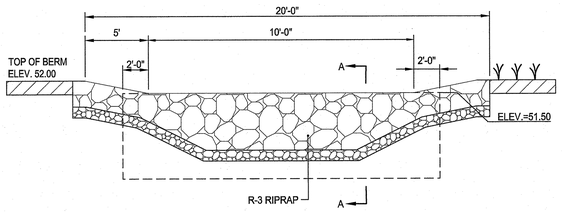
SECTION B - B

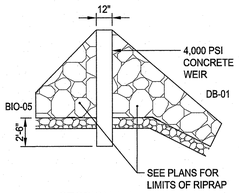


FRAME FOR DOUBLE GRATE CATCH BASIN

DOUBLE GRATE CATCH BASIN

NOT TO SCALE

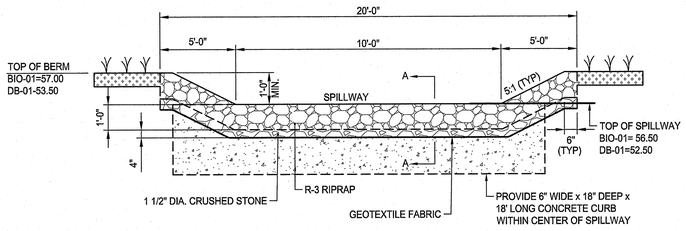




SECTION A-A

RIPRAP SPILLWAY WITH WEIR AT DB-01

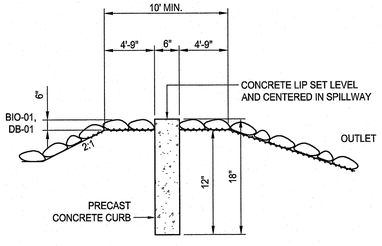
NOT TO SCALE



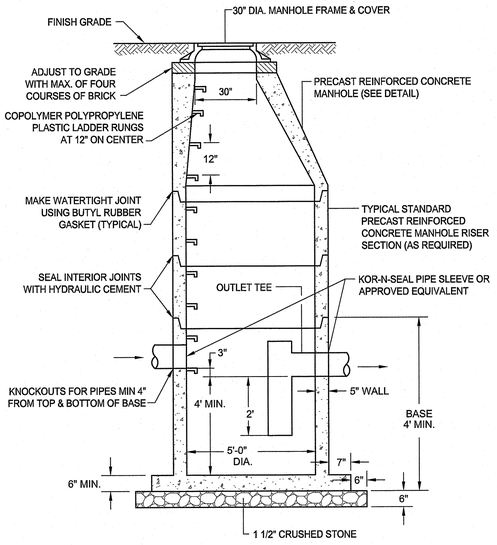
NOTE:
CONTRACTOR SHALL FILL VOIDS BETWEEN CURB SECTIONS WITH MORTAR

RIPRAP SPILLWAY DETAIL

NOT TO SCALE

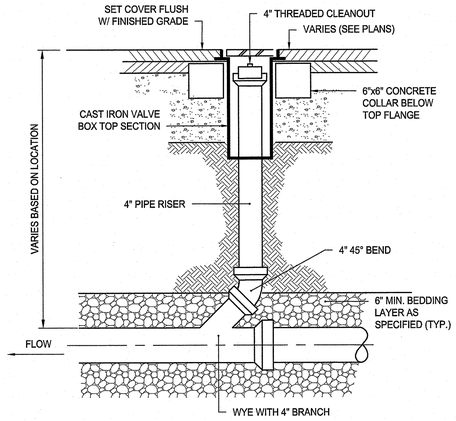


SECTION A-A



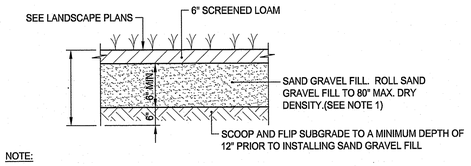
PRECAST CONCRETE OIL WATER SEPARATOR (OWS)

NOT TO SCALE



CLEANOUT DETAIL

NOT TO SCALE

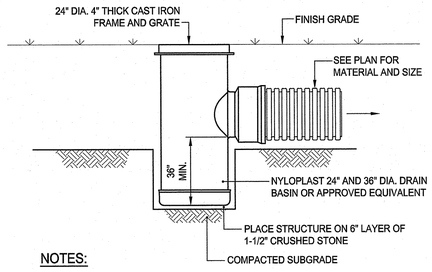


NOTE:

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

QUALIFYING PERVIOUS AREA DETAIL

NOT TO SCALE

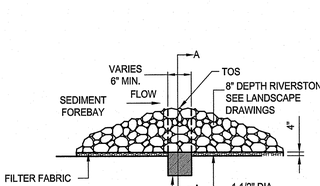


NOTES:

1. DRAIN BASIN SHALL BE CUSTOM MANUFACTURED FOR THE PROJECT WITH THE INLETS AND OUTLETS REQUIRED.
2. STRUCTURES SHALL BE CONSTRUCTED TO WITHSTAND LOADS IMPOSED BY CONSTRUCTION VEHICLES.
3. DRAIN BASIN SHALL BE CONSTRUCTED OF HIGH DENSITY POLYETHYLENE.
4. FRAME AND GRATE SHALL BE CONSTRUCTED OF DUCTILE IRON AND CONFORM TO ASTM A536 GRADE 70-50-05, UNLESS OTHERWISE SPECIFIED. PROVIDE NYLOPLAST 2499CGS OR APPROVED EQUIVALENT.
5. PROVIDE BEEHIVE GRATE AT AD-101, AD-102, AND AD-501. PROVIDE NYLOPLAST 2499CGD OR APPROVED EQUIVALENT.
6. PROVIDE PEDESTRIAN GRATE AT AD-201, AD-202 AND AD-203. PROVIDE NYLOPLAST 2499CGP OR APPROVED EQUIVALENT. FRAME AND GRATE SHALL BE ADA COMPLIANT.

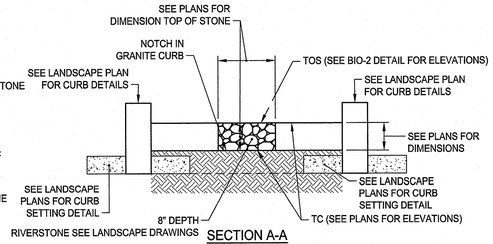
AREA DRAIN DETAIL

NOT TO SCALE



SEDIMENT FOREBAY WITH WEIR

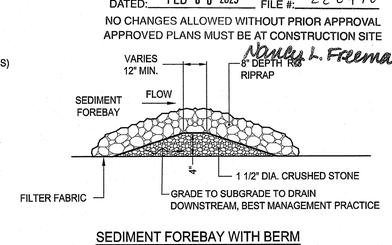
BIO-02



SECTION A-A
BIO-02

SEDIMENT FOREBAY CHECK DAM

NOT TO SCALE



SEDIMENT FOREBAY WITH BERM

BIO-01, BIO-04, BIO-05

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL
DATED: FEB 06 2023 FILE #: 22-0476
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Nancy L. Freeman

PARE

OWNER:
CITY OF NEWPORT
C/O JOSEPH NICHOLSON, CITY MANAGER
43 BROADWAY
NEWPORT, RI 02840

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

William S. Rogers High School

15 Wickham Road
Newport, Rhode Island
Map/Plat 41 Lot 2 & 300

DAVID L. POTTER
No. 8665
REGISTERED PROFESSIONAL ENGINEER (CIVIL)

REVISIONS:

1	01-13-2023	RIDEM RTC

RECEIVED JAN 19 2023 Office of Water Resources

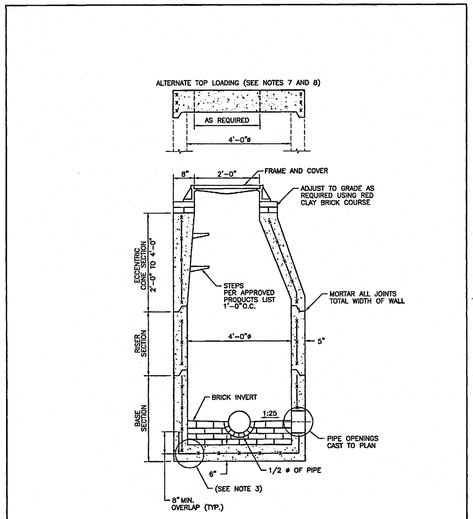
PROJECT NO.:	21106.00
DATE:	OCTOBER 24, 2022
SCALE:	
DESIGNED BY:	NPC/ACB
CHECKED BY:	VAH/MAB
DRAWN BY:	AKL/AB
APPROVED BY:	DLP

DRAWING TITLE:

DETAILS 9

DRAWING NO.:
C709
SHEET NO. 45 OF 59

Z:\JOBS\21 Jobs\21106.00 Newport - Rogers HS - RI\DWGS\DETAILS.dwg



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.

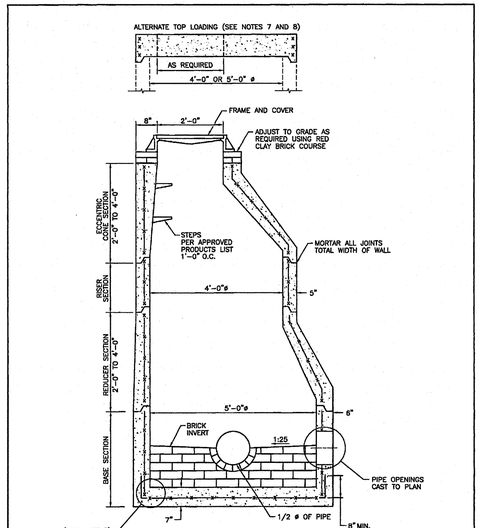
RHODE ISLAND DEPARTMENT OF TRANSPORTATION

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.

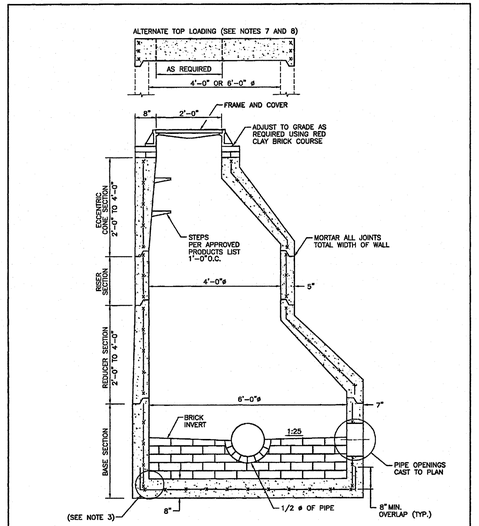
RHODE ISLAND DEPARTMENT OF TRANSPORTATION

REVISIONS NO.	BY	DATE

PRECAST 5'-0" ROUND MANHOLE

JUNE 15, 1998 ISSUE DATE

R.I. STANDARD 4.2.1



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.

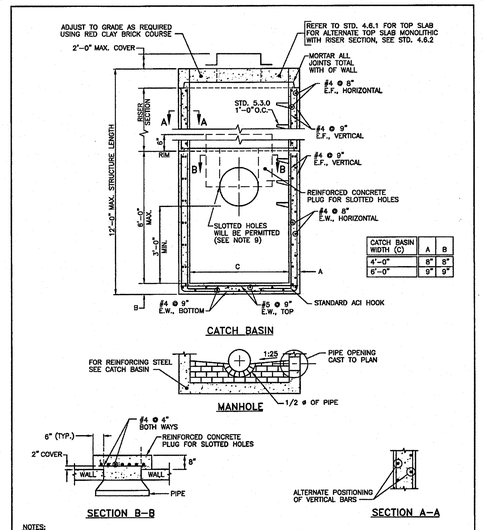
RHODE ISLAND DEPARTMENT OF TRANSPORTATION

REVISIONS NO.	BY	DATE

PRECAST 6'-0" ROUND MANHOLE

JUNE 15, 1998 ISSUE DATE

R.I. STANDARD 4.2.2



CATCH BASIN WIDTH (C)	A	B
4'-0"	8"	8"
6'-0"	8"	9"

NOTES:
1. SHALL BE IN ACCORDANCE WITH SECTION 702 OF THE R.I. STANDARD SPECIFICATIONS.
2. 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.
3. THE CENTERLINE OF THE OPENING MUST BE WITHIN 2'-0" FROM THE STEPS.
4. TOP SLAB, RISER AND BASE SECTIONS HAVE BEEN REINFORCED TO MEET OR EXCEED H-25 OR HS-25 LOADINGS WITH EARTH PRESSURES INCLUDED. THIS IMPLIES THAT THE TOP SLAB, RISER AND BASE SECTIONS ARE DESIGNED FOR AXLE LOAD OF NO GREATER THAN 20 TONS.
5. THERE IS TO BE 2" MINIMUM COVER ON ALL REBAR.
6. ALL REBARS ARE TO HAVE MINIMUM 2" CLEARANCE FROM OPENING.
7. STEPS SHALL CONFORM TO STD. 5.3.0 AND SHALL BE INSTALLED AT THE CASTING PLANT.
8. THE SPLICE LENGTHS ON TIES ARE TO BE A MINIMUM OF 1'-7".
9. WHERE THE CLEARANCE FROM THE TOP OF THE PIPE TO THE RIM IS "8" OR LESS, PLUGS SHALL BE USED IN CONJUNCTION WITH SLOTTED HOLES. NO SLOTTED HOLE WILL BE PERMITTED WHERE THE CLEARANCE IS GREATER THAN 8". IN CASES WHERE SLOTTED HOLES ARE NOT USED AND THE WALL OPENING COMES WITHIN 1'-3" OF THE RIM, AN ADDITIONAL #8 BAR SHALL BE USED ABOVE THE OPENING THE WIDTH "C" OF THE WALL.

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

REVISIONS NO.	BY	DATE

PRECAST 4'-0" OR 6'-0" SQUARE MANHOLE OR CATCH BASIN

JUNE 15, 1998 ISSUE DATE

R.I. STANDARD 4.3.0

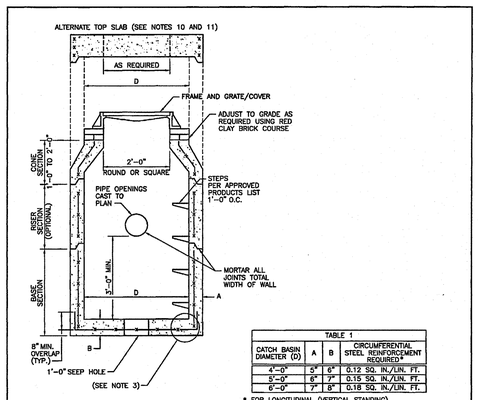
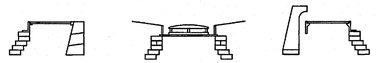


TABLE 1			
CATCH BASIN DIAMETER (D)	A	B	CIRCUMFERENTIAL STEEL REINFORCEMENT REQUIRED*
4'-0"	5"	6"	0.12 SQ. IN./LIN. FT.
5'-0"	6"	7"	0.15 SQ. IN./LIN. FT.
6'-0"	7"	8"	0.18 SQ. IN./LIN. FT.

* 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.

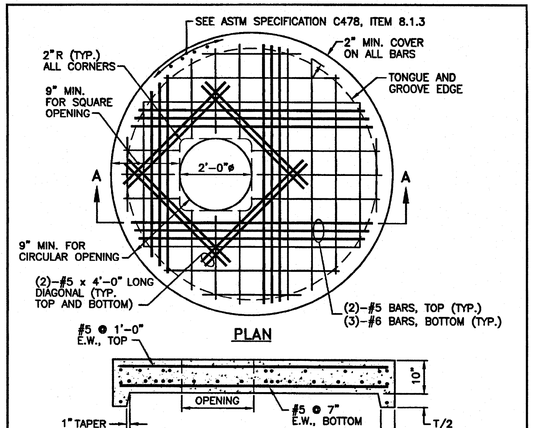
RHODE ISLAND DEPARTMENT OF TRANSPORTATION

REVISIONS NO.	BY	DATE

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

JUNE 15, 1998 ISSUE DATE

R.I. STANDARD 4.4.0



NOTES:
1. SHALL BE IN ACCORDANCE WITH SECTION 702 OF THE R.I. STANDARD SPECIFICATIONS.
2. 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.
3. THE CENTER LINE OF THE OPENING MUST BE WITHIN 2" FROM THE STEPS.
4. ALTERNATE TOP COVER IS STEEL REINFORCED TO MEET OR EXCEED H-25 OR HS-25 LOADINGS WITH EARTH PRESSURES INCLUDED. THIS IMPLIES THAT THE TOP SLAB IS DESIGNED FOR AXLE LOADS OF NO MORE THAN 20 TONS.
5. ALL REBAR SHALL HAVE A MINIMUM OF 2" CLEARANCE FROM OPENING.
6. ALL REBARS IN THE BOTTOM MAT ARE #5 @ 2', BOTH WAYS, WITH 2" MINIMUM COVER, EXCEPT FOR REBARS ADJACENT TO THE OPENING. THESE BARS SHALL BE (3)-#6 SHOWN WITH A HEAVIER LINE FOR CLARITY). REBARS IN THE TOP MAT ARE #5 @ 1'-0", BOTH WAYS, WITH 2" MINIMUM COVER, EXCEPT FOR REBARS ADJACENT TO THE OPENING. THESE BARS SHALL BE (2)-#5 BARS.

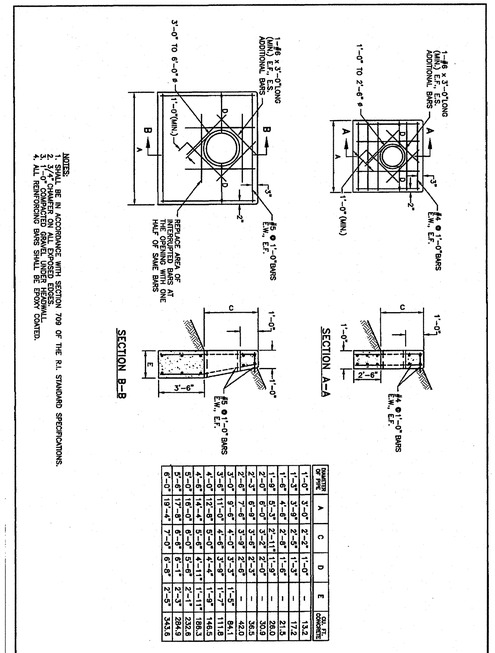
RHODE ISLAND DEPARTMENT OF TRANSPORTATION

REVISIONS NO.	BY	DATE

ALTERNATE TOP COVER FOR ROUND PRECAST MANHOLES AND CATCH BASINS

JUNE 15, 1998 ISSUE DATE

R.I. STANDARD 4.7.2



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'-8"	6'-1 1/2"	4'-0"	1'-2"	3"	0.072
2'-6"	1'-0"	4'-8"	1'-7 3/4"	6'-1 3/4"	5'-0"	1'-3"	3 1/2"	0.084
3'-0"	1'-3"	5'-3"	2'-10 3/4"	6'-1 3/4"	6'-0"	1'-8"	4"	0.096
3'-6"	1'-0"	5'-3"	2'-11"	8'-0"	6'-0"	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

SHEET NO. OF SHEETS	A	G	D	E	TOTAL LENGTH OF BARS
3'-0" TO 3'-6"	3'-0"	3'-0"	1'-0"	2'-2"	13.3
3'-7" TO 4'-0"	3'-6"	3'-6"	1'-0"	2'-2"	15.5
4'-1" TO 4'-6"	4'-0"	4'-0"	1'-0"	2'-2"	17.8
4'-7" TO 5'-0"	4'-6"	4'-6"	1'-0"	2'-2"	20.0
5'-1" TO 5'-6"	5'-0"	5'-0"	1'-0"	2'-2"	22.2
5'-7" TO 6'-0"	5'-6"	5'-6"	1'-0"	2'-2"	24.5
6'-1" TO 6'-6"	6'-0"	6'-0"	1'-0"	2'-2"	26.7
6'-7" TO 7'-0"	6'-6"	6'-6"	1'-0"	2'-2"	28.9
7'-1" TO 7'-6"	7'-0"	7'-0"	1'-0"	2'-2"	31.2
7'-7" TO 8'-0"	7'-6"	7'-6"	1'-0"	2'-2"	33.4
8'-1" TO 8'-6"	8'-0"	8'-0"	1'-0"	2'-2"	35.6
8'-7" TO 9'-0"	8'-6"	8'-6"	1'-0"	2'-2"	37.8
9'-1" TO 9'-6"	9'-0"	9'-0"	1'-0"	2'-2"	40.1
9'-7" TO 10'-0"	9'-6"	9'-6"	1'-0"	2'-2"	42.3
10'-1" TO 10'-6"	10'-0"	10'-0"	1'-0"	2'-2"	44.5
10'-7" TO 11'-0"	10'-6"	10'-6"	1'-0"	2'-2"	46.8
11'-1" TO 11'-6"	11'-0"	11'-0"	1'-0"	2'-2"	49.0
11'-7" TO 12'-0"	11'-6"	11'-6"	1'-0"	2'-2"	51.2

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

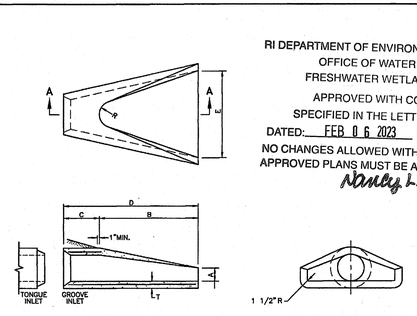
REVISIONS NO.	BY	DATE

CONCRETE HEADWALLS FOR PIPE CULVERTS

JUNE 15, 1998 ISSUE DATE

R.I. STANDARD 2.1.0

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL
DATED: FEB 06 2023 FILE # 22-0476
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Nancy L. Freeman



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

JUNE 15, 1998 ISSUE DATE

R.I. STANDARD 2.3.0

PARE

OWNER:
CITY OF NEWPORT
C/O JOSEPH NICHOLSON,
CITY MANAGER
43 BROADWAY
NEWPORT, RI 02840

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

William S. Rogers High School
15 Wickham Road
Newport, Rhode Island
Map/Plat 41 Lot 2 & 300

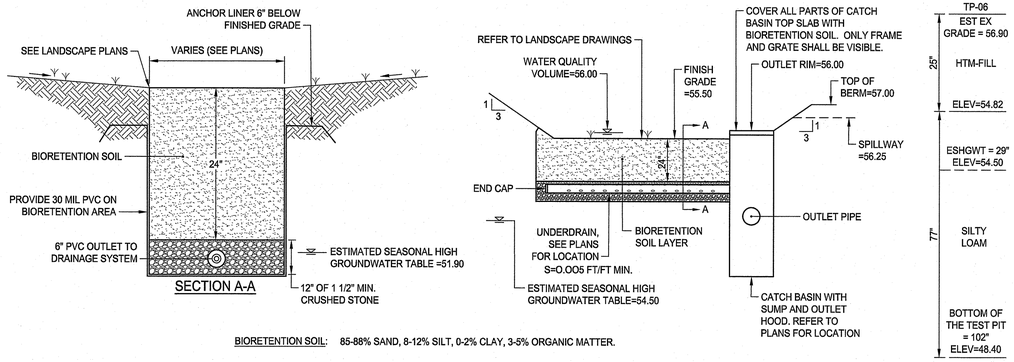
DAVID L. POTTER
No. 8665
REGISTERED PROFESSIONAL ENGINEER (CIVIL)

REVISIONS:

1	01-13-2023	RIDEM RTC

PROJECT NO.: 21106.00
DATE: OCTOBER 24, 2022
SCALE:
DESIGNED BY: NPC/ACB
CHECKED BY: VAH/MAB
DRAWN BY: AKL/AB
APPROVED BY: DLP
DRAWING TITLE:
DETAILS 10
DRAWING NO.: C710
SHEET NO. 46 OF 59

Z:\JOBS\21.Jobs\21106.00 Newport - Rogers HS - RIDWGS\DETAILS.dwg



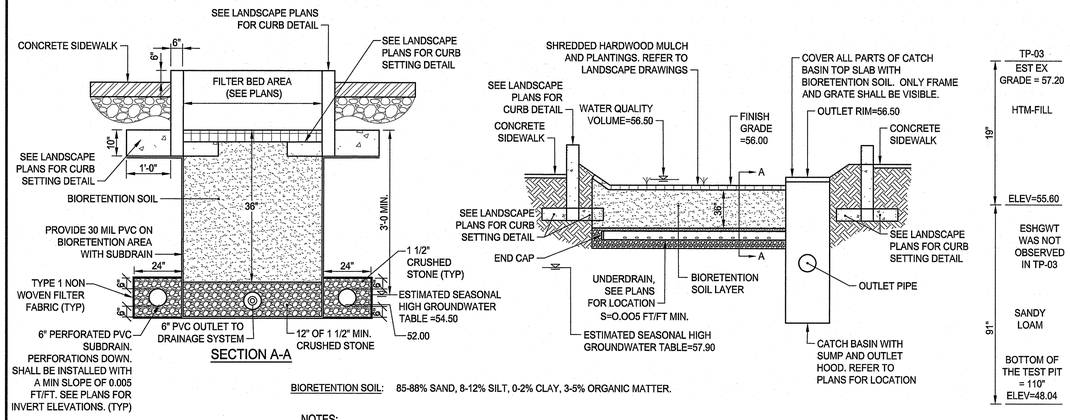
BIORETENTION SOIL: 85-88% SAND, 8-12% SILT, 0-2% CLAY, 3-5% ORGANIC MATTER.

NOTES:

1. REFER TO LANDSCAPE PLANS FOR PLANTINGS
2. SEE PLANS FOR LOCATION AND INVERTS OF CATCH BASINS AND UNDERDRAINS.

LINED BIORETENTION DETAIL BIO-01

NOT TO SCALE



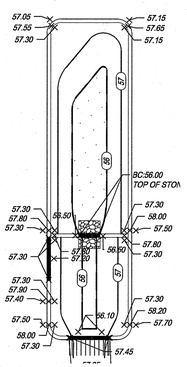
BIORETENTION SOIL: 85-88% SAND, 8-12% SILT, 0-2% CLAY, 3-5% ORGANIC MATTER.

NOTES:

1. REFER TO LANDSCAPE PLANS FOR PLANTINGS
2. SEE PLANS FOR LOCATION AND INVERTS OF CATCH BASINS, UNDERDRAINS AND SUBDRAINS.
3. THE ESHGWT WAS DETERMINED USING MONITORING WELL INFORMATION COLLECTED IN TP-3 ON 03/31/2022.

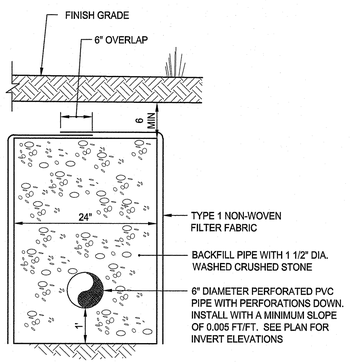
LINED BIORETENTION DETAIL BIO-02

NOT TO SCALE



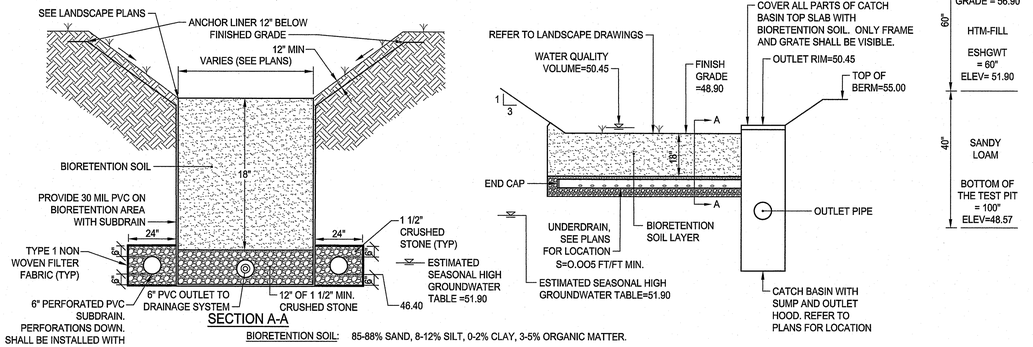
LINED BIORETENTION BIO-02
GRADING DETAIL

NOT TO SCALE



SUBDRAIN DETAIL

NOT TO SCALE



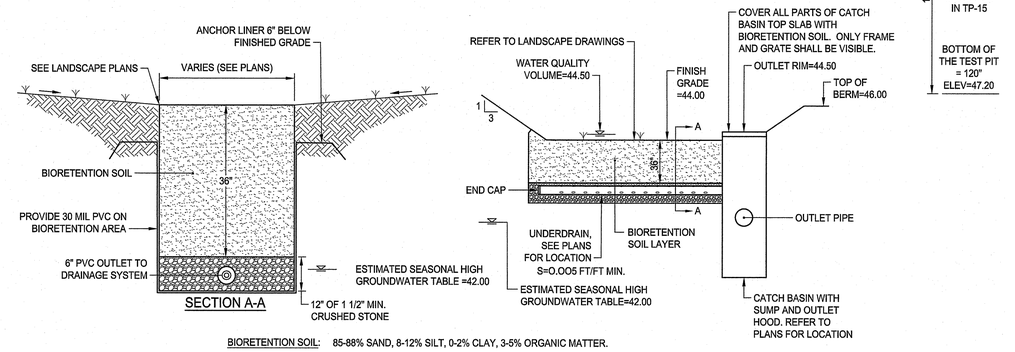
BIORETENTION SOIL: 85-88% SAND, 8-12% SILT, 0-2% CLAY, 3-5% ORGANIC MATTER.

NOTES:

1. REFER TO LANDSCAPE PLANS FOR PLANTINGS
2. SEE PLANS FOR LOCATION AND INVERTS OF CATCH BASINS, UNDERDRAINS AND SUBDRAINS.

LINED BIORETENTION DETAIL BIO-03

NOT TO SCALE



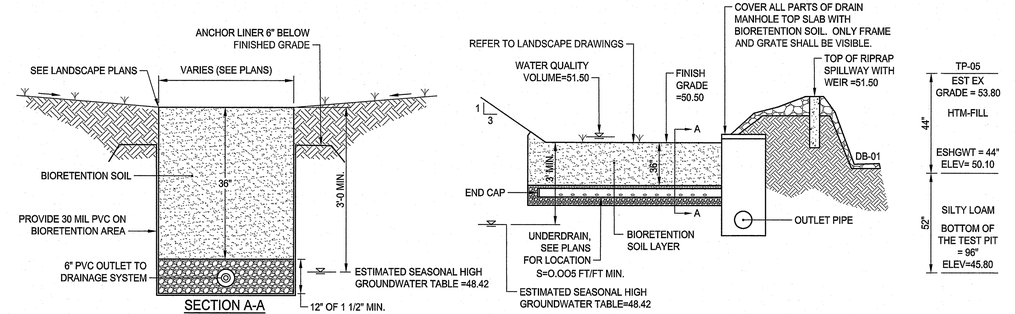
BIORETENTION SOIL: 85-88% SAND, 8-12% SILT, 0-2% CLAY, 3-5% ORGANIC MATTER.

NOTES:

1. REFER TO LANDSCAPE PLANS FOR PLANTINGS
2. SEE PLANS FOR LOCATION AND INVERTS OF CATCH BASINS, UNDERDRAINS AND SUBDRAINS.
3. THE ESHGWT WAS DETERMINED USING THE FRIMPTER METHOD USING INFORMATION COLLECTED IN TP-15 ON 02/02/2022.

LINED BIORETENTION DETAIL BIO-04

NOT TO SCALE



BIORETENTION SOIL: 85-88% SAND, 8-12% SILT, 0-2% CLAY, 3-5% ORGANIC MATTER.

NOTES:

1. REFER TO LANDSCAPE PLANS FOR PLANTINGS
2. SEE PLANS FOR LOCATION AND INVERTS OF CATCH BASINS AND UNDERDRAINS.

LINED BIORETENTION DETAIL BIO-05

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: FEB 06 2023 FILE #: 22-0476
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Wendy S. Freeman

PARE

OWNER:
CITY OF NEWPORT
C/O JOSEPH NICHOLSON, CITY MANAGER
43 BROADWAY
NEWPORT, RI 02840

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

William S. Rogers High School

15 Wickham Road
Newport, Rhode Island
Map/Plat 41 Lot 2 & 300

DAVID L. POTTER
No. 8665
REGISTERED PROFESSIONAL ENGINEER
STATE OF RHODE ISLAND

REVISIONS:

1	01-13-2023	RIDEM RTC

RECEIVED
Office of Water Resources
JAN 18 2023
RI Department of Environmental Management

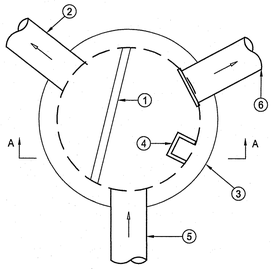
PROJECT NO.:	21106.00
DATE:	OCTOBER 24, 2022
SCALE:	
DESIGNED BY:	NPC/ACB
CHECKED BY:	VAH/MAB
DRAWN BY:	AKL/AB
APPROVED BY:	DLP

DRAWING TITLE:

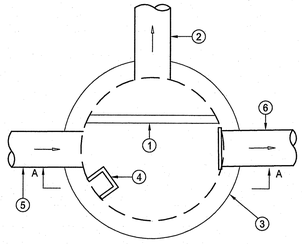
DETAILS 11

DRAWING NO.:
C711
SHEET NO. 47 OF 83

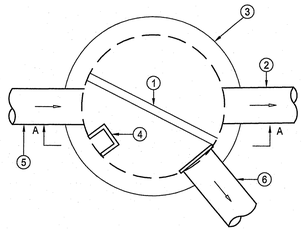
Z:\JOBS\21_Jobs\21106.00 Newport - Rogers HS - RI\DWGS\DETAILS.dwg



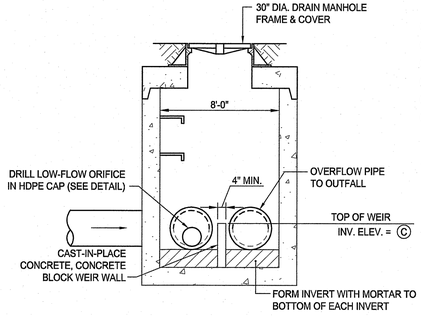
DIV-301



DIV-401



DIV-201

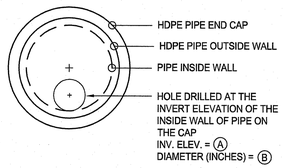


SECTION A-A DIVERSION WEIR WALL ELEVATION

TYPICAL NOTES LEGEND

1. CAST IN PLACE CONCRETE DIVERSION WEIR WALL (4" WIDE)
2. OVERFLOW PIPE TO OUTFALL
3. PRECAST 6' DIAMETER MANHOLE (RIDOT STANDARD 4.2.2)
4. PROVIDE STEPS PER RIDOT STANDARD 4.2.1
5. PIPE IN
6. HDPE PIPE WITH CAP AND LOW FLOW WATER QUALITY ORIFICE (REFER TO CAP DETAIL) TO BIORETENTION AREA

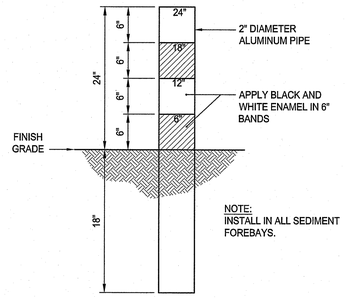
DIV	Ⓐ	Ⓑ	©
DIV-301	49.10	13	50.20
DIV-401	44.75	9	45.50
DIV-201	50.80	9	51.55



CAP ELEVATION

TYPICAL DIVERSION MANHOLE DETAIL

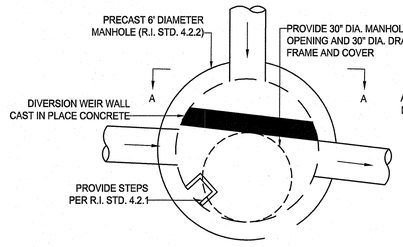
NOT TO SCALE



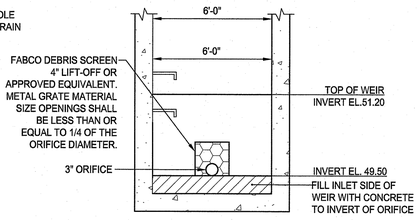
NOTE:
INSTALL IN ALL SEDIMENT FOREBAYS.

SEDIMENT MARKER DETAIL

NOT TO SCALE



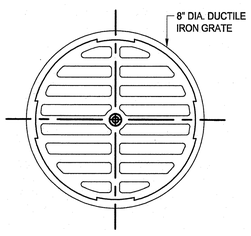
PLAN VIEW



SECTION A-A WEIR WALL ELEVATION

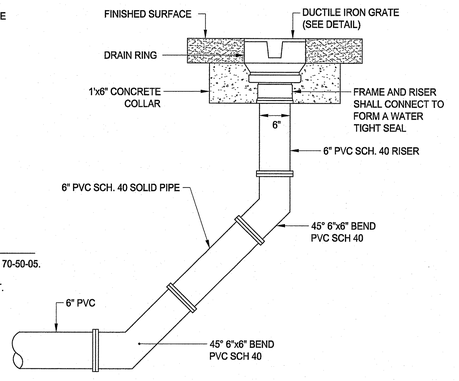
OUTLET CONTROL STRUCTURE (OCS-201)

NOT TO SCALE



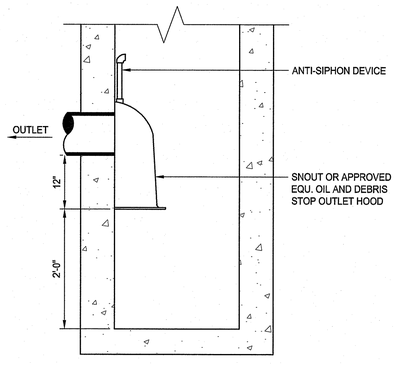
NOTES:

1. MATERIALS SHALL CONFORM TO ASTM A 536 GRADE 70-50-05.
2. CASTING SHALL BE FURNISHED WITH A BLACK PAINT.
3. GRATE SHALL BE ADA COMPLIANT.



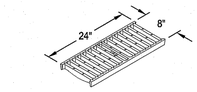
YARD DRAIN DETAIL

NOT TO SCALE



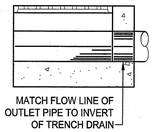
OUTLET HOOD DETAIL

NOT TO SCALE



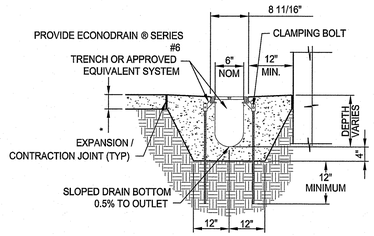
- STANDARD -
H-20 CAST IRON GRATE
55% OPEN AREA
65.8 SQ. INCHES PER LINEAR FOOT

GRATE DETAIL

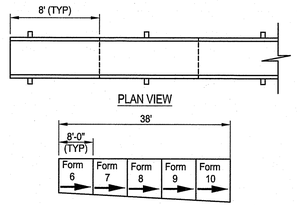


OUTLET FROM END OF TRENCH

CONSTRUCTION NOTES:
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS.
2. SECURE OUTLET PIPE PRIOR TO CONCRETING OPERATIONS.
3. TRENCH DRAIN AND GRATE SHALL BE RATED TO WITHSTAND H-20 LOADING CRITERIA.

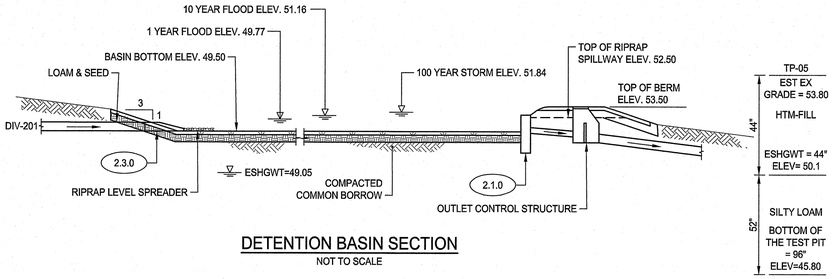


SHALLOW EPS FORMS		
EPS FORM	DEPTH MIN	MAX
06	6"	6 1/2"
07	6 1/2"	7"
08	7"	7 1/2"
09	7 1/2"	8"
10	8"	8 1/2"



TRENCH DRAIN DETAIL

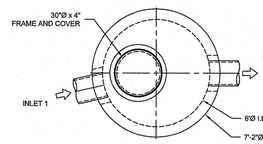
NOT TO SCALE



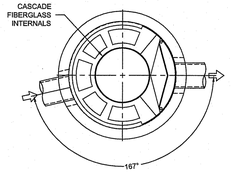
DETENTION BASIN SECTION

NOT TO SCALE

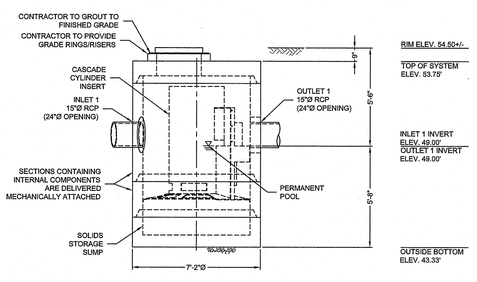
RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL
DATED: FEB 06 2023 FILE #: 22-0476
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Nancy L. Freeman



PLAN VIEW
(INTERNALS NOT SHOWN)



SECTION FOR PIPE ORIENTATION
(TOP SLAB NOT SHOWN)



ELEVATION VIEW

MATERIAL LIST (PROVIDED BY CONTECH)

COUNT	DESCRIPTION	INSTALLED BY
1	CS-6 FIBERGLASS CYLINDER INSERT, STD.	CONTECH
5	CS-6 ALUMINUM INSTALLATION BRACKET	CONTECH
1	SEALANT FOR JOINTS	CONTRACTOR
1	30"Ø x 4" FRAME AND COVER, EJIM41600483, OR EQUIV.	CONTRACTOR

SITE DESIGN DATA

WATER QUALITY FLOW RATE	3.93 CFS
PEAK FLOW RATE	16.23 CFS
RETURN PERIOD OF PEAK FLOW	100 YRS

GENERAL NOTES
1. CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
2. FOR FABRICATION DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHTS, PLEASE CONTACT
3. CASCADE SEPARATOR WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND REQUIREMENTS OF PROJECT.
4. STRUCTURE SHALL MEET AASHTO HS-20 LOAD RATING, ASSUMING EARTH COVER OF 0' - 2', AND THE CONTECH LOGO.
5. CASCADE SEPARATOR STRUCTURE SHALL BE PRECAST CONCRETE CONFORMING TO ASTM C-478 AND AASHTO LOAD FACTOR DESIGN METHOD.

INSTALLATION NOTES
A. ANY SUB-BASE, BACKFILL DEPTH, AND/OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY ENGINEER OF RECORD.
B. CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE CASCADE SEPARATOR MANHOLE STRUCTURE.
C. CONTRACTOR TO ADD JOINT SEALANT BETWEEN ALL STRUCTURE SECTIONS, AND ASSEMBLE STRUCTURE.
D. CONTRACTOR TO PROVIDE, INSTALL, AND GROUT PIPES. MATCH PIPE INVERTS WITH ELEVATIONS SHOWN. ALL PIPE CENTERLINES TO MATCH PIPE OPENING CENTERLINES.
E. CONTRACTOR TO TAKE APPROPRIATE MEASURES TO ASSURE UNIT IS WATER TIGHT, HOLDING WATER TO

STRUCTURE WEIGHT
APPROXIMATE HEAVIEST PICK = 13500 LBS.
OF 3 PIECES

MAXIMUM FOOTPRINT = 7'-2"Ø

NOTES:
1. CONTECH CS-06 MODEL OR APPROVED EQUIVALENT. CONTRACTOR SHALL SUPPLY MANUFACTURER'S CALCULATIONS THAT MEET THE SITE DESIGN DATA LISTED ABOVE.

WATER QUALITY UNIT DETAIL

NOT TO SCALE

PARE

OWNER:
CITY OF NEWPORT
C/O JOSEPH NICHOLSON,
CITY MANAGER
43 BROADWAY
NEWPORT, RI 02840

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

William S. Rogers High School
15 Wickham Road
Newport, Rhode Island
Map/Plat 41 Lot 2 & 300

DAVID L. POTTER
No. 8665
REGISTERED PROFESSIONAL ENGINEER
(CIVIL)

REVISIONS:

1	01-13-2023	RIDEM RTC

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SCALE:	
DESIGNED BY:	NPC/ACB
CHECKED BY:	VAH/MAB
DRAWN BY:	AKL/AB
APPROVED BY:	DLP

DRAWING TITLE:
DETAILS 12

DRAWING NO.:
C712
SHEET NO. 48 52 OF 83 59

Z:\JOBS\21 Jobs\21106.00 Newport - Rogers HS - RIDWQS\DETAILS.dwg

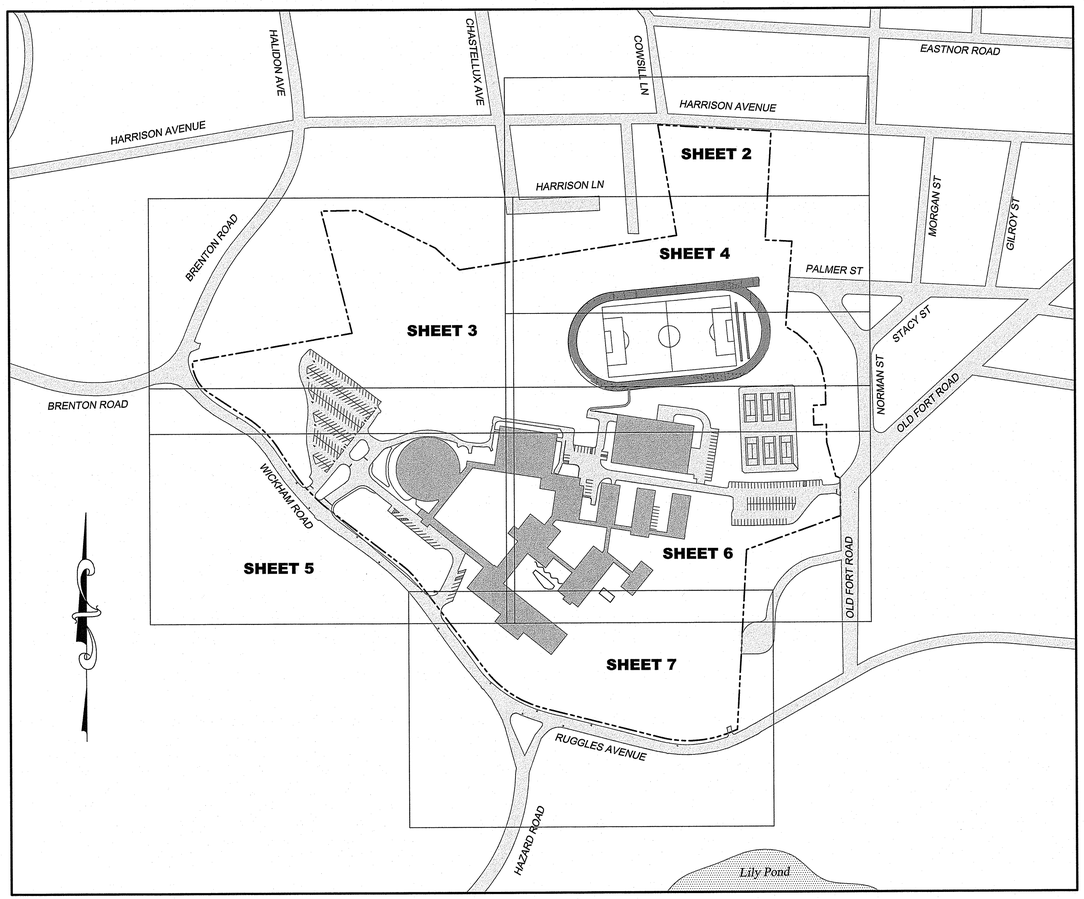
WILLIAM S. ROGERS HIGH SCHOOL
15 WICKHAM ROAD
NEWPORT, RHODE ISLAND

LEGEND

ABND	ABANDONED
BBS	BOTTOM OF BOTTOM STEP
BC	BOTTOM OF CURB
BCB	BITUMINOUS CONCRETE BERM
BCP	BITUMINOUS CONCRETE PATCH
BCR	BITUMINOUS CONCRETE RAMP
BCW	BITUMINOUS CONCRETE WALK
BIT CONC	BITUMINOUS CONCRETE
BLDG	BUILDING
BOL	BOLLARD
BS	BOTTOM OF STEP
BR	BOTTOM OF RAMP
BVW	BORDERING VEGETATED WETLAND
BW	BOTTOM OF WALL
CANT	CANTILEVERED
CBBLST	COBBLESTONE
CC	CONCRETE CURB
CLF	CHAIN LINK FENCE
CONC	CONCRETE
X"C,CONIF	CONIFEROUS
CNCR	CONCRETE RAMP
CNCS	CONCRETE STEPS
CNCW	CONCRETE WALK
CPD	CONCRETE PAD
CRW	CONCRETE RETAINING WALL
C.U.	CONTINUATION UNKNOWN
X"D,DECID	DECIDUOUS
DMH/CI	DRAIN MANHOLE W/CURB INLET
DYL	DOUBLE YELLOW LINE
T.U.	TYPE UNKNOWN
EBOX	ELECTRIC BOX
ELEC	ELECTRIC
EL	ELEVATION
EM	ELECTRIC METER
ETW	EDGE OF TRAVELED WAY
EP	EDGE OF PAVEMENT
EPM	ELECTRIC PAINT MARK
EHH	ELECTRIC HANDHOLE
FA	FIRE ALARM
FD/FND	FOUND
FDC	FIRE DEPARTMENT CONNECTION
FFE	FINISH FLOOR ELEVATION
GC	GRANITE CURB
GPM	GAS PAINT MARK
GR	GRASS
GRNT	GRANITE
GW	GUY WIRE
INACC	INACCESSIBLE
I	INVERT
HH	HAND HOLE
ICV	IRRIGATION CONTROL VALVE
LND	LANDING
LT	LIGHT
MHR	METAL HANDRAIL
MTL	METAL
MTD	MULTIPLE TREE DECIDUOUS
NPV	NO PIPES VISIBLE
O.F.	OVERFLOW
OHANG	OVERHANG
OHW	OVERHEAD WIRES
PA	PLANTED AREA
PERF	PERFORATED
PIV	POST INDICATOR VALVE
POSS.	POSSIBLE
(R)	RECORD
R	RIM
R/NF	RECORD NOT FOUND
SGC	SLOPED GRANITE CURB
SL	STOP LINE
SRW	STONE RETAINING WALL
TC	TOP OF CURB
TCFL	TOP OF CURB(FLUSH)
TH	THRESHOLD
TR	TOP OF RAMP
TRNS	TRANSFORMER
TTS	TOP OF TOP STEP
T.U.	TYPE UNKNOWN
TW	TOP OF WALL
TWS	TACTILE WARNING STRIP
TWFL	TOP OF WALL(FLUSH)
TYP	TYPICAL
UD	UNDERDRAIN
UG	UNDERGROUND
UGC	UNDERGROUND CONDUIT
UNK	UNKNOWN
WF	WETLAND FLAG

SYMBOL LEGEND

(B) (Ⓑ) CATCH BASIN	MW MONITORING WELL
(D) DRAIN MANHOLE	(S) SEWER MANHOLE
(E) ELECTRIC MANHOLE	SIGN
GG GAS GATE	(T) TELEPHONE MANHOLE
GAS WITNESS FLAG	TRAVERSE POINT
HYDRANT	UTILITY POLE
ICV IRRIGATION CONTROL VALVE	UTILITY FLOW
LCB LIGHT CONTROL BOX	WG WATER GATE
LP LIGHT POLE	WELCH ASSOCIATES SPOT GRADES XX.XX
(M) MANHOLE	AERIAL MAPPING SPOT GRADES XX.XX



KEY MAP
SCALE: 1"=200'

CONTROL POINTS (SET)

POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	139683.033	377394.721	18.56	MN–FND
2	139776.513	376898.614	46.40	MN–FND
3	140125.849	376599.747	52.45	MN–FND
4	140363.113	376274.049	56.80	MN–FND
5	140633.674	376059.481	68.13	MN–FND
6	140604.839	376421.763	57.72	MN–FND
7	140792.061	375888.086	52.18	MN–FND
8	141100.546	376120.038	––.––	MN–FND
9	141477.452	376283.362	––.––	PM–SET
10	141440.138	376782.904	––.––	MN–SET
11	141485.375	377214.002	––.––	MN–SET
12	141426.853	377648.533	––.––	MN–SET
13	141438.019	378041.110	––.––	XCUT–SET
14	141090.064	377997.573	––.––	XCUT–SET
15	140820.386	377848.455	––.––	MN–SET
16	140431.260	377820.944	37.60	XCUT–SET
17	139887.023	377786.014	25.57	DH–FND
18	140395.853	377452.847	46.36	MN–SET
19	140520.475	377654.168	––.––	DH–FND
20	140705.531	378033.109	––.––	XCUT–SET

CONTROL POINTS (FOUND/HELD)

POINT #	NORTHING	EASTING	DESCRIPTION
9031	141420.127	377569.265	GB W/PIN
9038	140782.493	375947.285	GB W/PIN
9040	140480.737	376223.342	GB W/PIN
9042	140145.923	377760.863	GB W/DH

PROJECT BENCHMARK "A":
RAILROAD SPIKE SET 1' ABOVE GRADE IN NORTH EASTERLY FACE OF UTILITY POLE #4.
ELEVATION=55.05 (DATUM:NAVD 88)

PROJECT BENCHMARK "B":
RAILROAD SPIKE SET 1" ABOVE GRADE IN SOUTHERLY FACE OF 24" DECIDUOUS TREE.
ELEVATION=39.04 (DATUM:NAVD 88)

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL
DATED: FEB 06 2023 FILE #: 22-0476
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Nancy L. Freeman

NOTES:

1. THE ELEVATIONS SHOWN ON THIS SURVEY ARE BASED ON THE FOLLOWING BENCHMARK:
• "BENCHMARK, CHISEL "X" BONNET BOLT ON HYDRANT, ELEV=53.22 (DATUM: NAVD 88)". SAID BENCHMARK IS SHOWN ON DRAWING ENTITLED: "EXISTING CONDITIONS SURVEY FOR ROGERS HIGH SCHOOL, SITUATED ON WICKHAM ROAD, NEWPORT, RHODE ISLAND, PREPARED FOR STUDIO JAED" PREPARED BY GAROFALO & ASSOCIATES, INC., DATED DECEMBER 2019.

2. THE COORDINATE SYSTEM OF THIS SURVEY IS BASED ON THE COORDINATE SYSTEM (RHODE ISLAND STATE PLANE – NAD 83) OF AUTOCAD FILE ENTITLED: "7240–ECS (3).DWG" (AUTOCAD FILE OF DRAWING REFERENCED IN NOTE #1) PROVIDED TO WELCH ASSOCIATES LAND SURVEYORS, INC. FROM SLAM COLLABORATIVE, INC. THE COORDINATES OF CONTROL POINTS #1–20 WERE GENERATED VIA AN ON–THE–GROUND SURVEY (INCLUDING TIES TO EXISTING CONTROL POINTS) PERFORMED BY WELCH ASSOCIATES LAND SURVEYORS, INC.. THE AUTOCAD FILE COORDINATES OF FOUR EXISTING CONTROL POINTS (INDICATED HEREON AS #9031, 9038, 9040 & 9042) WERE HELD TO SET THE COORDINATE SYSTEM OF THE NEWLY ESTABLISHED CONTROL NETWORK.

3. SITE IMPROVEMENTS & TOPOGRAPHY SHOWN HEREON ARE BASED ON AERIAL MAPPING (20 SCALE, 1' CONTOUR INTERVAL) (IMAGERY CAPTURED IN APRIL 2022) PREPARED BY EASTERN TOPOGRAPHICS USING DIGITAL TERRAIN MODELING (DTM) METHODS WITH KLT ATLAS SOFTWARE SUPPLEMENTED BY LIMITED ON–THE–GROUND FIELD EDITING PERFORMED BY WELCH ASSOCIATES LAND SURVEYORS, INC..

4. SCREENED ABUTTERS REFERENCES, PROPERTY LINES & EASEMENTS SHOWN ON THIS SURVEY ARE TAKEN FROM AUTOCAD FILE REFERENCED IN NOTE #2 & ARE SHOWN FOR REFERENCE/ORIENTATION ONLY. WELCH ASSOCIATES HAS NOT PERFORMED A BOUNDARY RETRACEMENT SURVEY OR ASSOCIATED RESEARCH AS PART OF THE PREPARATION OF THIS SURVEY.

5. WETLANDS/RESOURCE AREAS & ASSOCIATED BUFFERS WERE DELINEATED BY PARE CORPORATION.

6. UNDERGROUND UTILITY LOCATIONS AS SHOWN HEREON ARE TAKEN FROM AVAILABLE RECORD AND FIELD INFORMATION AND ARE APPROXIMATE ONLY. VERY LIMITED RECORD UTILITY/SITE PLANS WERE FOUND BY/SUPPLIED TO WELCH ASSOCIATES LAND SURVEYORS, INC.. CONTACT DIG–SAFE BEFORE PLANNING ANY CONSTRUCTION.

7. INVERTS, PIPE SIZES, AND PIPE CLASSIFICATIONS FOR SANITARY SEWER AND STORM DRAIN SYSTEMS, AS SHOWN HEREON, WERE DETERMINED BY INSPECTION AND MEASUREMENTS PERFORMED AT GROUND SURFACE LEVEL (STRUCTURES WERE NOT PHYSICALLY ENTERED). THE RESULTS OF THE INSPECTIONS AND MEASUREMENTS MAY VARY FROM ACTUAL CONDITIONS AS COULD BE DETERMINED BY EXCAVATION OR USE OF CONFINED SPACE ENTRY PERSONNEL AND/OR EQUIPMENT.

8. CONTACT THE CITY OF NEWPORT FOR INFORMATION REGARDING LOCATION/REMOVAL OF UNDERGROUND STORAGE TANKS AS/IF APPLICABLE.

9. AREA OF SURVEY IS LOCATED WITHIN FLOOD ZONE "X" (OTHER FLOOD AREAS) & ZONE "X" (OTHER AREAS). FLOOD ZONES SHOWN ON THIS SURVEY ARE SHOWN APPROXIMATELY (SCALED) PER F.E.M.A FLOOD INSURANCE RATE MAP FOR COMMUNITY NO. 445403, PANEL NO. 0179, SUFFIX J (FEMA MAP# 44005C0179J), REVISED SEPTEMBER 4, 2013 & FLOOD INSURANCE RATE MAP FOR COMMUNITY NO. 445403, PANEL NO. 0177, SUFFIX J (FEMA MAP# 44005C0177J), REVISED SEPTEMBER 4, 2013.

10. THIS PLAN IS COPYRIGHT PROTECTED. IT IS A VIOLATION OF COPYRIGHT LAWS TO EDIT THIS PLAN AND CONTINUE TO REPRESENT IT AS THE ORIGINAL WORK OF WELCH ASSOCIATES LAND SURVEYORS, INC.. IT IS ALSO A VIOLATION OF COPYRIGHT LAWS FOR ANYONE TO REPRESENT THIS PLAN AS THEIR OWN ORIGINAL WORK, WITH OR WITHOUT EDITING.

THIS SURVEY HAS BEEN CONDUCTED AND THE PLAN HAS BEEN PREPARED PURSUANT TO SECTION 9 OF THE RULES AND REGULATIONS ADOPTED BY THE RHODE ISLAND STATE BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS ON NOVEMBER 25, 2015, AS FOLLOWS:

COMPREHENSIVE BOUNDARY SURVEY: NOT A BOUNDARY SURVEY
LEVELING: CLASS V–3
TOPOGRAPHY: CLASS T–1

THE PURPOSE OF THE SURVEY AND FOR THE PREPARATION OF THE PLAN IS AS FOLLOWS: TO PROVIDE SLAM COLLABORATIVE, INC. WITH A SURVEY BASEMAP FOR USE IN CIVIL ENGINEERING DESIGN PURPOSES.

PAMELA M. WELCH
No. 1915
PROFESSIONAL LAND SURVEYOR

BY: _____
PAMELA M. WELCH REGISTRATION NUMBER 1915
COA #LS.000A295

RI Environmental Management
JAN 18 2023
Office of Water Resources

49
SHEET ~~58~~ OF 59

REVISED (JULY 27, 2022): MODIFIED WETLAND LINES/BUFFERS

WELCH
Associates Land Surveyors, Inc.
218 North Main Street
West Bridgewater, MA 02379
(508) 580-4696
WWW.WELCHINC.COM

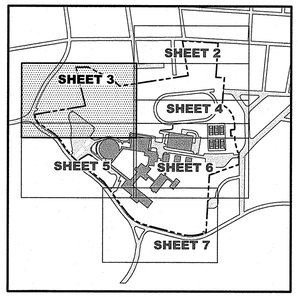
(AS–NOTED)

EXISTING CONDITIONS SURVEY
WILLIAM S. ROGERS
HIGH SCHOOL
15 WICKHAM ROAD
NEWPORT, RHODE ISLAND
Prepared for:
SLAM COLLABORATIVE, INC.

ACAD FILE: N210506_ECS | BTC | DATE: MAY 19, 2022

COWSILL LN
HARRISON AVENUE
SULLIVAN STREET
HARRISON LANE
2 STORY #57
2 STORY #55
2 STORY #53
2 STORY #51
2 STORY #49
2 STORY #61
1 STORY #4
1 STORY #6
2 STORY #8
1 STORY #10
GARAGE
2 STORY #7
2 STORY #46
1 STORY #49
11 MN(SET)
12 MN(SET)
FORESTED WETLAND
SUBSTATION EASEMENT (See Ref#2)
24' WIDE EASEMENT (SEE NOTE 4)
HARRISON AVE SUB-STATION EASEMENT (SEE NOTE 4)
10' WIDE UTILITY EASEMENT
(SEE NOTE 4)
(SEE NOTE 2)
PROPERTY LINE
S86°40'26"E 615.70'
S87°05'11"E 251.10'
S03°21'24"W 95.39'
S03°21'24"W 95.39'
SEE SHEET 3
SEE SHEET 4
SHEET 2
SHEET 3
SHEET 4
SHEET 5
SHEET 6
SHEET 7
KEY MAP
RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS
SPECIFIED IN THE LETTER OF APPROVAL
DATED: FEB 06 2023 FILE #: 22-0476
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Nancy L. Freeman
RI Environmental Management
JAN 18 2023
Received
REVISED (JULY 27, 2022): MODIFIED WETLAND LINES/BUFFERS
WELCH
Associates Land Surveyors, Inc.
218 North Main Street
West Bridgewater, MA 02379
(508) 580-4696
WWW.WELCHINC.COM
30 0 30 60
SCALE: 1"=30'
EXISTING CONDITIONS SURVEY
WILLIAM S. ROGERS HIGH SCHOOL
15 WICKHAM ROAD
NEWPORT, RHODE ISLAND
Prepared for:
SLAM COLLABORATIVE, INC.
ACAD FILE: N210506_ECS
BTC
DATE: MAY 19, 2022
SHEET 50 OF 59

(SEE NOTE 2)



KEY MAP

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF
FRESHWATER
APPROVED WETLAND BOUNDARIES
SPECIFIED IN THE LETTER OF APPROVAL
DATED: FEB 06 2023 ... THERE ... 22-0476
NO CHANGES ALLOWED ... APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Nancy L. Freeman

SEE SHEET 4

AP 41 LOT 240 N/F VILLAGE HOUSE CONVALESCENT HOME ASSOCIATES LLC BK 761 PG 464

AP 41 LOT 14-4 N/F DANIEL F. JR & MARY ANNE HARRINGTON BK 597 PG 6

AP 41 LOT 246 N/F VANDERBILT CHAMPIONS REALTY, LLC BK 1331 PG 304

AP 41 LOT 361 N/F JENNIFER WATTS ACKERMANS BK 2576 PG 199

N89°05'56"E 104.80'

S89°36'58"E 290.24'

PROPERTY LINE

N88°16'14"E 180.00'

N1°35'31"W 252.79'

N88°16'14"E 453.23'

IR(FND)

8 MN(FD)

6 MN(FD)

5 MN(FD)

FORESTED WETLAND

WF/C-1/PARE START

WF/C-2 WF/C-3 WF/C-4 WF/C-5 WF/C-6 WF/C-7 WF/C-8 WF/C-9 WF/C-10 WF/C-11 WF/C-12 WF/C-13 WF/C-14 WF/C-15 WF/C-16 WF/C-17 WF/C-18 WF/C-19 WF/C-19(2ND) WF/C-20 WF/C-21 WF/C-22 WF/C-23(2ND) WF/C-24 WF/C-25 WF/C-26(2ND) WF/C-27 WF/C-28 WF/C-29/PARE END WF/C-PARE BLANK

ONE 100' BUFFER

S54°36'58"E 200.00'

COPPER PIN IN CONC FND

ROCK OUTCROP(TYP)

PILE

BENCH

DIRT AREA (SHOT PUT/JAVELIN ETC.)

(SEE NOTE 4)

SEE SHEET 5

BRENTON ROAD

WICKHAM ROAD

UP #6 W/UGC

R=51.74 (S) UP W/LIGHT & UGC

R=105.00' L=107.33'

R=105.00' L=117.44'

N56°36'26"W 120.34'

12"W(DI)

BLOW OFF VALVE(R/NF)

R=66.18'(UNABLE TO OBTAIN) I(A)=(INACC.) I(B)=(INACC.) SUMP=52.1

R=55.93' I=(WOOD-INACC.) SUMP=50.6

SITE LIGHTING(N)

GRASS

REVISED (JULY 27, 2022): MODIFIED WETLAND LINES/BUFFERS

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30 0 30 60

SCALE: 1"=30'

EXISTING CONDITIONS SURVEY

WILLIAM S. ROGERS HIGH SCHOOL
15 WICKHAM ROAD
NEWPORT, RHODE ISLAND
Prepared for:
SLAM COLLABORATIVE, INC.

RI Environmental Management JAN 25 2023 Office of Water Resources

ACAD FILE: N210506_ECS | BTC | DATE: MAY 19, 2022

HARRISON LANE

PALMER ST

NORMAN ST

SEE SHEET 2

SEE SHEET 3

SEE SHEET 6

(SEE NOTE 2)

(SEE NOTE 4)

PROPERTY LINE S31°14'06"E 615.70'

S87°05'11"E 75.10'

SUBSTATION EASEMENT (See Ref#2)

24' WIDE EASEMENT (SEE NOTE 4)

HARRISON AVE SUB-STATION EASEMENT (SEE NOTE 4)

10' WIDE UTILITY EASEMENT

FORESTED WETLAND

BUFFER

2 STORY #8

1 STORY #10

GARAGE

2 STORY #7

#4

1 STORY #49

1 STORY #52

1 STORY #34-36

1 STORY #26

2 STORY #18-20

1 STORY #12-14

WOOD SHED

METAL STORAGE UNIT

POLE VAULT

LONG JUMP

GRASS ATHLETIC FIELD

BIT CONC W/RUBBER SURFACE

BIT CONC

CHEMICAL STORAGE AREA W/BYLF

LOADING DOCK (FLOATING)

BARRIER WALL

UTILITY COVER (BUILDING TRAP(R))

TELECOM PEDESTAL

CPD W/DUST COLLECTION SYSTEM

FORMER UP #9 W/OHW TO SUBSTATION(R)

FORMER HEADWALL(R)

POSSIBLE REVERSE BRANCH(R)

GRAVEL ROAD

FENCE END

GATE

FIELD DRAIN(R)

VERY APPROXIMATE LOCATION OF "COX" CABLE UGC(R)

NGRID ELEC DIRECT BURY(R)

NGRID ELEC CONDUIT(R)

WF ASSF/A-100 (NOT FOUND)

ASSF/A-101

ASSF/A-102

ASSF/A-103/PARE END

WF/D-17 ASSF/CL/D200/PARE START

WF/D-18/PARE

WF/D-1/PARE START

ASSF/CL/D-201

ASSF/CL/D-202 CURED

ASSF/CL/D-203

ASSF/CL/D-204

ASSF/CL/D-205

ASSF/CL/D-206

WF/E-1 ASSF/CL/D-207/PARE END

WF/E-2

WF/E-3

WF/E-4

WF/E-5

WF/E-6

WF/E-7/PARE

WF/A-21

WF/A-22

WF/A-23

WF/A-24

WF/A-25

WF/A-26

WF/A-27

WF/A-28

WF/A-29

WF/A-30

WF/A-31

WF/A-32

WF/A-33

WF/A-34

WF/A-35

WF/A-36

WF/A-37

WF/A-38

WF/A-39

WF/A-40

WF/A-41

WF/A-42

WF/A-43

WF/A-44

WF/A-45

WF/A-46 PARE END

WF/G-1

WF/G-2

WF/G-3

WF/G-4

WF/G-5

WF/G-6

WF/G-7

WF/G-8

WF/G-9

WF/G-10

WF/G-11

WF ASSF/G-100 (NF)

WF ASSF/G-101

WF ASSF/G-102

WF ASSF/G-103

WF ASSF/G-104

WF ASSF/G-105

WF ASSF/G-106

WF ASSF/G-107

WF ASSF/G-108/PARE END

WF/D-1

WF/D-2

WF/D-3

WF/D-4

WF/D-5

WF/D-6

WF/D-7

WF/D-8

WF/D-9

WF/D-10

WF/D-11

WF/D-12

WF/D-13

WF/D-14

WF/D-15

WF/D-16

ASSF/A-103/PARE (SAND)

AP 41 LOT 226 N/F JAMES & MARY UNDERWOOD BK 726 PG 316

AP 41 LOT 231

AP 41 LOT 251 N/F ESTATE OF MORSE R DONALD BK 2586 PG 20

AP 41 LOT 250 N/F DAVID P. SKLARZ BK 2063 PG 94

AP 41 LOT 209 N/F ELIZABETH COLLINS BK 1741 PG 342

AP 41 LOT 21-4 N/F DAVID F. & ANN H. GUINAN BK 1847 PG 258

AP 41 LOT 167 N/F WILLIAM J. CONNERY REVOCABLE TRUST BK 2754 PG 64

AP 41 LOT 169 N/F BENNIS N. SULLIVAN BK 1739 PG 172

AP 41 LOT 170 N/F KARA M. & MICHAEL C. HARLEY BK 1973 PG 65

AP 41 LOT 142 N/F KEEFE MARKET TRUSTEE BK 1594 PG 299

AP 41 LOT 145 N/F

AP 41 LOT 2 N/F CITY OF NEWPORT NEWPORT PUBLIC SCHOOLS BK 183 PG 4 1,711,953 S.F. (39.30 ACRES)

N/F ANDREW H. & EMILY J. LIETUS BK 2245 PG 185

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL
DATED FEB 16 2023 FILE #: 22-0476
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Addley D. Freeman

KEY MAP

SHEET 2
SHEET 3
SHEET 4
SHEET 5
SHEET 6
SHEET 7

SHEET 56 OF 59

REVISED (JULY 27, 2022): MODIFIED WETLAND LINES/BUFFERS

WELCH
Associates Land Surveyors, Inc.
218 North Main Street
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(508) 580-4696
WWW.WELCHINC.COM

EXISTING CONDITIONS SURVEY

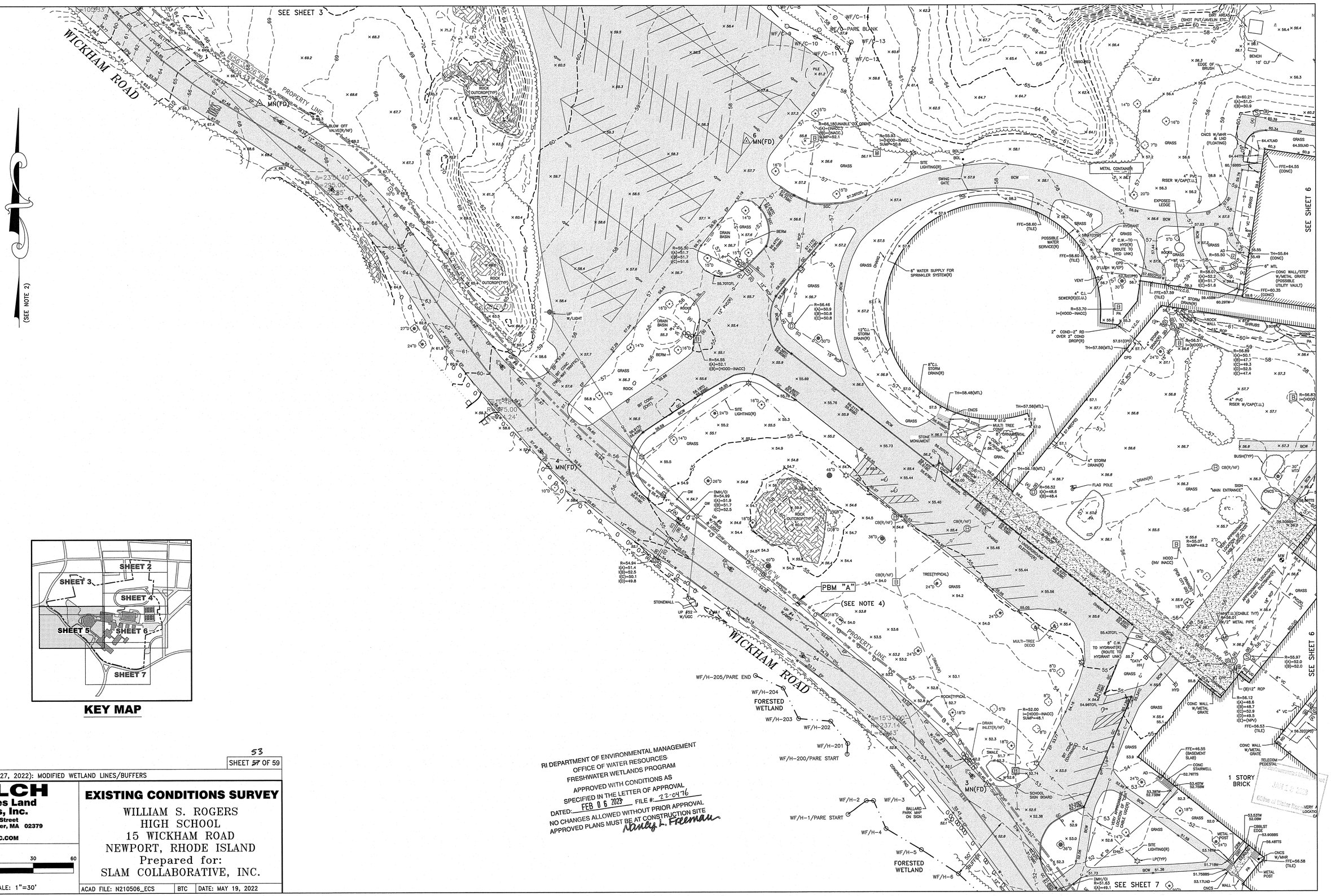
WILLIAM S. ROGERS
HIGH SCHOOL
15 WICKHAM ROAD
NEWPORT, RHODE ISLAND
Prepared for:
SLAM COLLABORATIVE, INC.

30 0 30 60

SCALE: 1"=30'

ACAD FILE: N210506_ECS | BTC | DATE: MAY 19, 2022

JAN 18 2023
Office of Water Resources



RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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FRESHWATER WETLANDS PROGRAM
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Stanley L. Freeman

JAN 26 2023
Office of Water Resources

SHEET 53 OF 59

REVISED (JULY 27, 2022): MODIFIED WETLAND LINES/BUFFERS

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30 0 30 60
SCALE: 1"=30'

EXISTING CONDITIONS SURVEY

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15 WICKHAM ROAD
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N/F
CITY OF NEWPORT
NEWPORT PUBLIC SCHOOLS
BK 183 PG 4
1,711,953 S.F.
(39.30 ACRES)

1 STORY
BRICK

AP 41
LOT 300
N/F
CITY OF NEWPORT
NEWPORT PUBLIC SCHOOLS
BK 2442 PG 161
65,500 S.F.
(1.50 Acres)

2 STORY
BRICK/GLASS/METAL

GLASS/METAL

2 STORY
GLASS/METAL

HERITAGE TREE CENTER
NEWPORT TREE
CONSERVANCY

SEE SHEET 4

SEE SHEET 5

SEE SHEET 7

(SEE NOTE 2)

(SEE NOTE 4)

BENCHMARK *HELD*
(SEE NOTE 1)

1 STORY
#12-14

1 STORY
#8-10

2 STORY
#4-6

2 STORY
#101-99

NORMAN ST

OLD FORT ROAD

PBM "B"

16 XCUT (SET)

18 MN(SET)

19 DH(FD)

AP 41
LOT 155

AP 41
LOT 140

AP 41
LOT 141

AP 41
LOT 336

AP 41
LOT 295

AP 41
LOT 191

N/F
MARY E. NOLAN TRUST
BK 2631 PG 23

N/F
MARY ANN URBANO
TRUSTEE
BK 1904 PG 32

N/F
PAUL A. LEYS &
MARGARET M. CORCORAN
BK 2746 PG 135

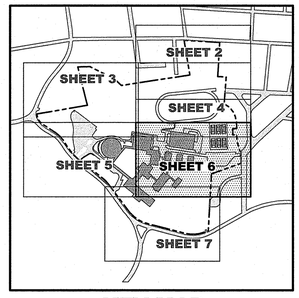
N/F
ANDREW J. &
LESLEY BRYAN
BK 5501 PG 94

N/F
CAM P. &
BARMAN EL BRAHMI
BK 6178 PG 277

PROPERTY LINE

BARBARA
TR
BK 13

KEY MAP



RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
WATER RESOURCES
FOR WATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS
SPECIFIED IN THE LETTER OF APPROVAL
DATED FEB 06 2023 FILE #: 22-0476
NO CHANGES WITHOUT PRIOR APPROVAL
APPROVED FOR USE AT CONSTRUCTION SITE
Nancy L. Freeman
54

SHEET 58 OF 59

REVISED (JULY 27, 2022): MODIFIED WETLAND LINES/BUFFERS

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Associates Land Surveyors, Inc.
218 North Main Street
West Bridgewater, MA 02379
(508) 580-4696
WWW.WELCHINC.COM

30 0 30 60
SCALE: 1"=30'

EXISTING CONDITIONS SURVEY

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HIGH SCHOOL
15 WICKHAM ROAD
NEWPORT, RHODE ISLAND
Prepared for:
SLAM COLLABORATIVE, INC.

RI Department of Environmental Management
JAN 30 2023
Office of Water Resources

ACAD FILE: N210506_ECS | BTC | DATE: MAY 19, 2022

SEE SHEET 5

SEE SHEET 6

WICKHAM ROAD

HAZARD ROAD

RUGGLES AVENUE

PROPERTY LINE

FLOOD ZONE LINE (SEE NOTE 9)

(SEE NOTE 4)

(SEE NOTE 2)

1 STORY BRICK

HERITAGE TREE CENTER NEWPORT TREE CONSERVANCY

FORESTED WETLAND

RUGGLES AVENUE PUMP STATION

AP. 41 LOT 234 N/F LINDA J. DEMARCO BK 1904 PG 32

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
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DATED: FEB 06 2023 FILE #: 22-0476
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Nancy L. Freeman

55

SHEET 55 OF 59

KEY MAP

SHEET 2
SHEET 3
SHEET 4
SHEET 5
SHEET 6
SHEET 7

REVISED (JULY 27, 2022): MODIFIED WETLAND LINES/BUFFERS

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30 0 30 60
SCALE: 1"=30'

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15 WICKHAM ROAD
NEWPORT, RHODE ISLAND
Prepared for:
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ACAD FILE: N210506_ECS | BTC | DATE: MAY 19, 2022

JAN 19 2023

PLANT SCHEDULE 50 SCALE

TREES	CODE	QTY	BOTANICAL / COMMON NAME	CONT	CAL	SIZE
	AR2	5	Acer rubrum / Red Maple	Multi-stem B&B		10'-12'
	AR	50	Acer rubrum 'Frank Jr.' TM / Redpointe Red Maple	B&B	3"-3.5" Cal.	
	AG2	33	Amelanchier x grandiflora `Autumn Brilliance` / Autumn Brilliance Apple Serviceberry	Multi-stem B&B		5'-6'
	AG	12	Amelanchier x grandiflora `Autumn Brilliance` / Autumn Brilliance Apple Serviceberry	Multi-stem B&B		8'-10'
	BC	6	Betula nigra `Cully` TM / Heritage River Birch	B&B Single Stem		10'-12'
	CA	2	Carpinus caroliniana / American Hornbeam	B & B	2"-2.5" Cal.	
	CKY	6	Cladrastis kentukea / American Yellowwood	B&B	2.5"-3" Cal.	
	HS	10	Hamamelis vernalis / Ozark Witchhazel	Multi-stem B&B		7'-8'
	HV	9	Hamamelis virginiana / Common Witch Hazel	Multi-stem B&B		6'-7'
	IJ	1	Ilex opaca 'Jersey Knight' / Jersey Knight American Holly	B & B		6'-7'
	IJ2	22	Ilex opaca 'Jersey Princess' / Jersey Princess American Holly	B & B		6'-7'
	JCH	22	Juniperus chinensis `Hetzii Columnaris` / Hetzi Column Juniper	B & B		7'-8'
	JV	3	Juniperus virginiana / Eastern Redcedar	B & B		6'-7' H
	QB	11	Quercus bicolor / Swamp White Oak	B & B	1.5"-2.0"	7'-8' H
	QC	13	Quercus coccinea / Scarlet Oak	B & B	3.5"/4" cal	
	QR	10	Quercus rubra / Red Oak	B & B	3"-3.5" Cal.	
	TI	13	Thuja x `Green Giant` / Green Giant Arborvitae	B & B		8'-10'
	TB	24	Tilia americana 'Boulevard' / Boulevard American Linden	B & B	2.5"-3" Cal.	
	UP	11	Ulmus americana `Princeton` / Princeton American Elm	B & B	3"-3.5" Cal.	

SHRUBS	CODE	QTY	BOTANICAL / COMMON NAME	CONT	SIZE
	Ae2	13	Aronia arbutifolia 'Erecta' / Upright Red Chokeberry	#3	3'-4' HT.
	Cp	69	Clethra alnifolia `Pink Spires` / Pink Spires Summersweet	#3	18"
	Cr	58	Cornus sericea / Red Twig Dogwood	#3	24"
	Ck	5	Cornus sericea `Kelseyi` / Kelseyi Dogwood	#3	
	Hv2	6	Hydrangea arborescens 'NCHA3' / Invincibelle® Ruby Smooth Hydrangea	#3	
	Hqs	19	Hydrangea quercifolia `Sike's Dwarf` / Sike's Dwarf Oakleaf Hydrangea	#3	
	Hm	6	Hydrangea quercifolia 'Munchkin' / Oakleaf Hydrangea	#3	
	Is	9	Ilex glabra `Shamrock` / Inkberry	#3	
	Iw	58	Ilex verticillata / Winterberry	#3	24"
	Rc	4	Rhododendron catawbiense 'Chionoides' / Chionoides Rhododendron	18-24" B&B	
	VA	19	Viburnum dentatum / Viburnum	#5	

PERENNIALS/GRASSES	CODE	QTY	BOTANICAL / COMMON NAME	CONT	SIZE
•	EL	12	Eupatorium dubium 'Little Joe' / Little Joe Joe-Pye Weed	#1	
·	In2	23	Iris versicolor 'John Wood' / John Wood Blue Flag	#1	
•	Je	21	Juncus effusus / Common Rush	#1	
•	Mb	11	Monarda x Marshall's Delight / Pink Bee Balm	#1	
•	Rc3	20	Rudbeckia fulgida 'City Garden' / City Garden Coneflower	#1	

PERENNIALS/PLUGS	CODE	QTY	BOTANICAL / COMMON NAME	CONT	
	GMA	292	Grass Mix A	#2	24" o.c.
	Lc	55	Liriope spicata / Creeping Lilyturf	#1	12" o.c.
	Ph	41	Pennisetum alopecuroides 'Hameln' / Hameln Fountain Grass	#2	18" o.c.

SEED MIX	CODE	QTY	BOTANICAL / COMMON NAME	CONT
	SMA	18,187 sf	Seed Mix A / Wet Meadow Seed Mix	Seed Mix
	SMB	6,960 sf	Seed Mix B / Wet Meadow Seed Mix	Seed Mix

GMA - Grass Mix A consists of the following
25% Sporobolus heterolepis
25% Panicum virgatum 'Cape Breeze'
25% Carex pensylvanica
25% Rudbeckia fulgida 'Goldsturm'

SEED MIX A
APPLICATION RATE: 35 lbs/acre | 1250 sq ft/lb

SPECIES: Riverbank Wild Rye (Elymus riparius), Creeping Red Fescue (Festuca rubra), Little Bluestem (Schizachyrium scoparium), Big Bluestem (Andropogon gerardii), Switch Grass (Panicum virgatum), Upland Bentgrass (Agrostis perennans), Nodding Bur Marigold (Bidens cernua), Hollow-Stem Joe Pye Weed (Eupatorium fistulosum/Eutrochium fistulosum), New England Aster (Aster novae-angliae), Boneset (Eupatorium perfoliatum), Blue Vervain (Verbena hastata), Soft Rush (Juncus effusus), Wool Grass (Scirpus cyperinus).

SEED MIX B
APPLICATION RATE: 35 lbs/acre | 1250 sq ft/lb

SPECIES:
Grasses
River bank Wild Rye (Elymus riparious), Red Fescue (Festuca rubra), Switch Grass (Panicum virgatum), Blunt Broom Sedge (Carex scoparia), Smooth Panic Grass (Panicum dichotomiflorum), Lurid Sedge (Carex lurida), Green Bulrush (Scirpus atrovirens)

Wildflowers
Blue Vervain (Verbena hastata), Nodding Bur Marigold (Bidens cernua), Spotted Joe Pye Weed (Eupatorium maculatum), Zigzag Aster (Aster prenanthoides/Symphyotrichum prenanthoide), Hollow-Stem Joe Pye Weed (Eupatorium fistulosum/Eutrochium fistulosum)

Shrubs
Elderberry (Sambucus canadensis), Silky Dogwood (Cornus amomum), Arrow Wood (Viburnum dentatum)

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
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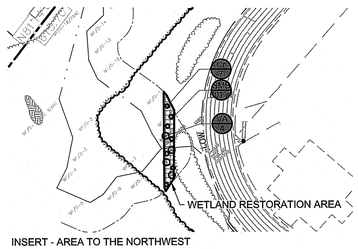
DATED FEB 06 2023 FILE #: 22-0476
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Nancy L. Freeman



INSERT - AREA TO THE NORTHWEST OF THE EXISTING TRACK WHERE THE LOD TRAVERSES THROUGH A BUFFER AREA

NOTES:
1. SEE CIVIL PLANS FOR WETLAND RESTORATION, BIORETENTION, SEDIMENT FORBAYS AND DETENTION BASIN DETAILS

BIORETENTION AREA
EXISTING TREES TO REMAIN, TYP. REFER TO TREE PROTECTION PLAN
WETLAND RESTORATION AREA
NEW HIGH SCHOOL
LOD/CFS
D18

SCALE: 1" = 60'

NORTH

PARE

OWNER:
CITY OF NEWPORT
C/O JOSEPH NICHOLSON,
CITY MANAGER
43 BROADWAY
NEWPORT, RI 02840

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

William S. Rogers High School
15 Wickham Road
Newport, Rhode Island

REGISTERED LANDSCAPE ARCHITECT JEFF MITCHELL BRADNER No. 428

REVISIONS:

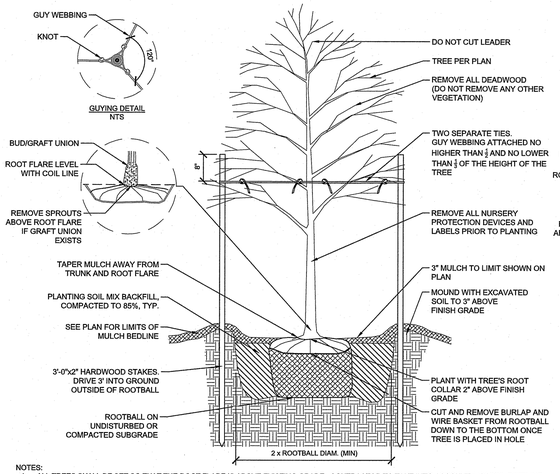
PROJECT NO.:	21106.00
DATE:	OCTOBER 24, 2022
SCALE:	1"=60'-0"
DESIGNED BY:	KB/JR/JF
CHECKED BY:	KB/JR
DRAWN BY:	JR/JF
APPROVED BY:	KB

DRAWING TITLE:
OVERALL PLANTING PLAN

DRAWING NO.:
LP1.21

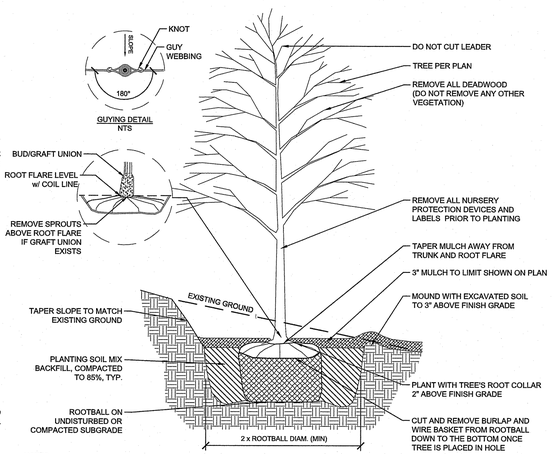
SHEET NO. 56 OF 83

Z:\Projects\K-12\K1016.SLAM.Rogers HS\04 DD-CD\DWG\permitting Set 2022.9.29\LP1.21 Overall Planting Plan.dwg



NOTES:
1. ALL TREES SHALL BE SET SO THAT THE ROOT FLARE IS ABOVE EXISTING GRADE. CONTRACTOR TO TAKE INTO ACCOUNT ANY SOIL SETTLING BELOW ROOT BALL.
2. AFTER THE GUARANTEE PERIOD THE CONTRACTOR WILL BE RESPONSIBLE FOR THE REMOVAL OF STAKES AND GUY WEBBING.
3. ALL TREES NOT LOCATED WITHIN A LARGER MULCHED PLANTING BED SHALL RECEIVE A 5' DIAMETER MULCH BED AROUND THE BASE OF THE TREE. IN NO INSTANCE SHALL MULCH BE PILED UP AROUND THE ROOT FLARE.

1 DECIDUOUS TREE PLANTING AND STAKING
3/4" = 1'-0"



NOTES:
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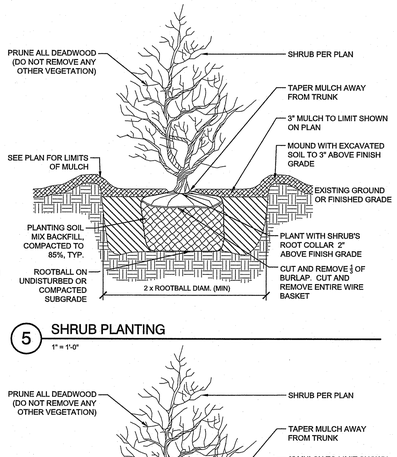
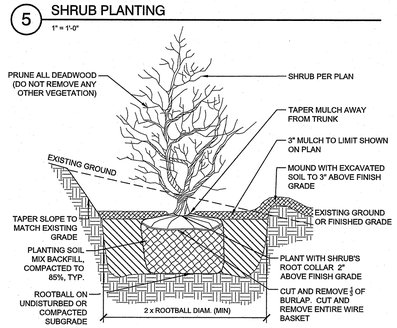
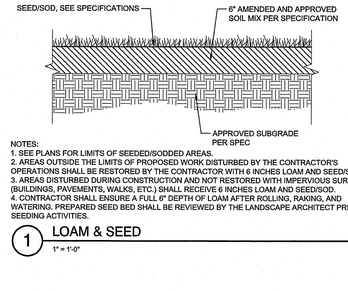
2 DECIDUOUS TREE PLANTING AND STAKING ON SLOPE
3/4" = 1'-0"



5 SHRUB PLANTING
1" = 1'-0"

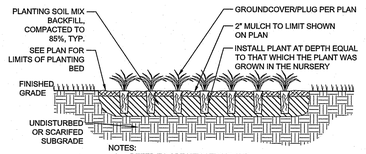


6 SHRUB PLANTING ON SLOPE
1" = 1'-0"



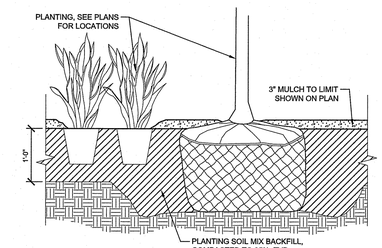
NOTES:
1. SEE PLANS FOR LIMITS OF SEEDED/SODDED AREAS.
2. AREAS OUTSIDE THE LIMITS OF PROPOSED WORK DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED BY THE CONTRACTOR WITH 6 INCHES LOAM AND SEED/SOD.
3. AREAS DISTURBED DURING CONSTRUCTION AND NOT RESTORED WITH IMPERVIOUS SURFACES (BUILDINGS, PAVEMENTS, WALKS, ETC.) SHALL RECEIVE 6 INCHES LOAM AND SEED/SOD.
4. CONTRACTOR SHALL ENSURE A FULL 6" DEPTH OF LOAM AFTER ROLLING, RAKING, AND WATERING. PREPARED SEED BED SHALL BE REVIEWED BY THE LANDSCAPE ARCHITECT PRIOR TO SEEDING ACTIVITIES.

1 LOAM & SEED
1" = 1'-0"



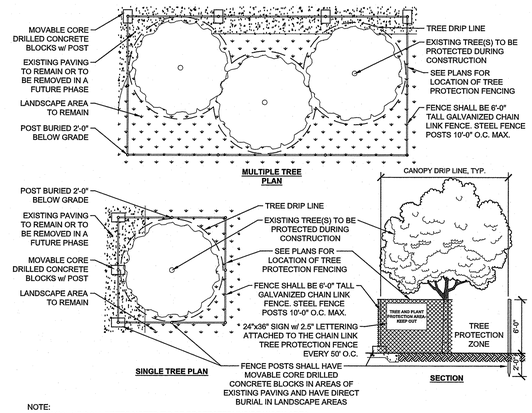
NOTES:
1. REFER TO SPECIFICATIONS AND DETAILS FOR SOIL DEPTHS.

2 GROUNDCOVER & PLUG PLANTING
1" = 1'-0"



NOTE:
THIS SOIL PROFILE SHALL BE PROVIDED FOR MULCHED PLANTING BEDS.

3 SOIL PROFILE FOR PLANTING BEDS
1" = 1'-0"



NOTE:
1. TYPICAL FOR ALL TREES NOTED 'TO BE PROTECTED' INSIDE WORK AREA
2. FENCE LOCATION TO BE APPROVED BY THE OWNER'S REPRESENTATIVE AND LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION ACTIVITIES.
3. THE SOIL WITHIN THE FENCE SHALL NOT BE DISTURBED IN ANY MANNER DURING CONSTRUCTION. NO EQUIPMENT, MATERIALS, SUPPLIES, AND/OR SALVAGE SHALL BE STORED OR PLACED WITHIN THE TREE PROTECTION ZONE. NO VEHICULAR OR EQUIPMENT TRAFFIC SHALL BE PERMITTED WITHIN THE TREE PROTECTION ZONE. NO FILLING OR CURING OF EXISTING SOILS SHALL BE PERMITTED WITHIN THE TREE PROTECTION ZONE. THE OWNER'S REPRESENTATIVE AND/OR LANDSCAPE ARCHITECT MUST APPROVE ANY DEVIATION FROM THE STANDARD.
4. REFER TO TEMPORARY TREE PROTECTION AND TRIMMING SPECIFICATION FOR MORE INFORMATION.

5 CHAINLINK TREE PROTECTION AREA
1/4" = 1'-0"

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
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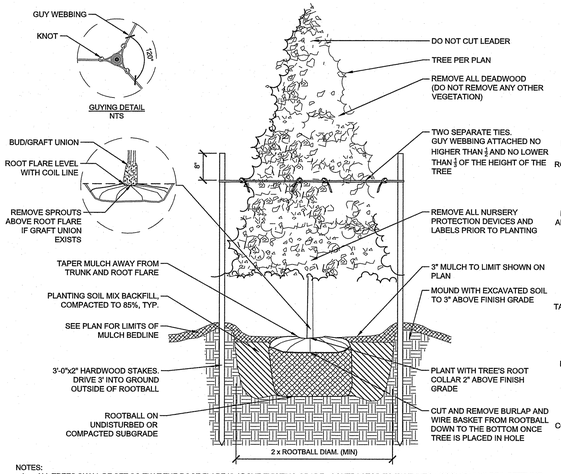
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Nancy L. Friedman



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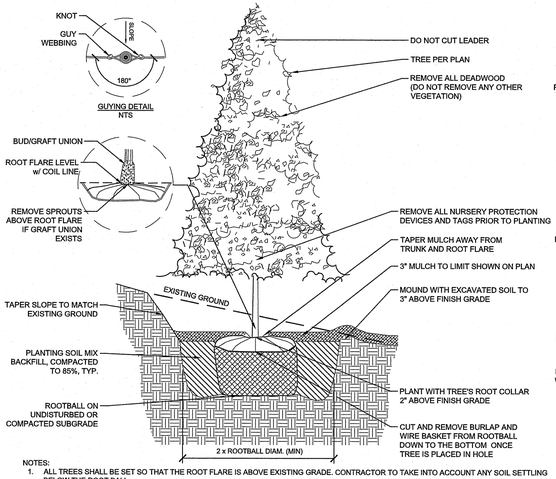
3 EVERGREEN TREE PLANTING AND STAKING
3/4" = 1'-0"



NOTES:
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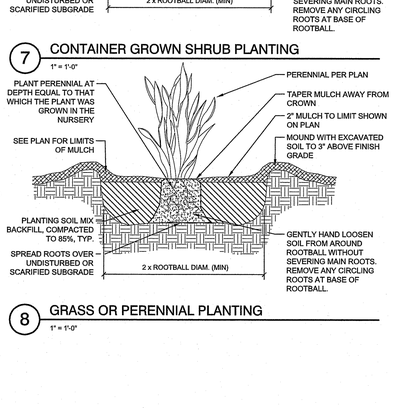
4 EVERGREEN TREE PLANTING AND STAKING ON SLOPE
3/4" = 1'-0"



7 CONTAINER GROWN SHRUB PLANTING
1" = 1'-0"

8 GRASS OR PERENNIAL PLANTING
1" = 1'-0"

OWNER:
CITY OF NEWPORT
C/O JOSEPH NICHOLSON,
CITY MANAGER
43 BROADWAY
NEWPORT, RI 02840

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

William S. Rogers High School
15 Wickham Road
Newport, Rhode Island

REVISIONS:

PROJECT NO.:	21106.00
DATE:	OCTOBER 24, 2022
SCALE:	AS NOTED
DESIGNED BY:	KB/JR/JF
CHECKED BY:	KB/JR
DRAWN BY:	JR/JF
APPROVED BY:	KB

DRAWING TITLE:
PLANTING DETAILS

DRAWING NO.:
LP3.01
SHEET NO. 54 OF 63

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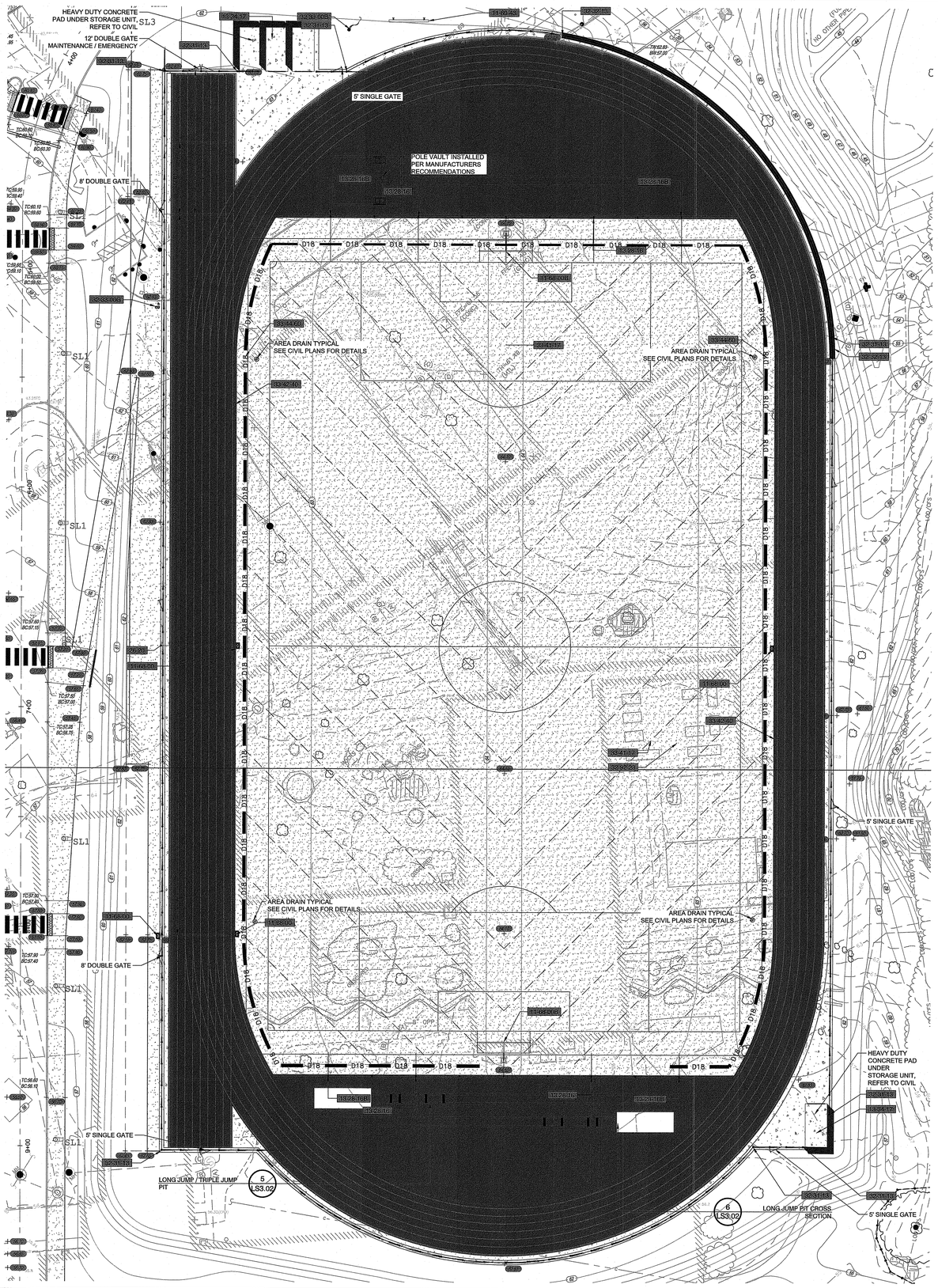

REFERENCE NOTES SCHEDULE {\fArial

Play Field Equipment and Structures

SYMBOL	DESCRIPTION	QTY	DETAIL
11185.01	Athletic Utility/ Comunications Box	3	11/LS3.01
11188.00B	Field Goal Post	2	1/LS3.02
11199.89	Exterior Scoreboard	1	1/LS3.04

Athletic and Recreational Safety Netting

SYMBOL	DESCRIPTION	QTY	DETAIL
13126.16	20' Athletic Ball Safety Netting	160 lf	2/LS3.02
13126.16B	12' Athletic Ball Safety Netting	160 lf	2/LS3.02

Fabricated Engineered Structures

SYMBOL	DESCRIPTION	QTY	DETAIL
13164.17	10X20 Storage with Roll-up doors	4	2/LS3.04

LOW-VOLTAGE ELECTRICAL TRANSMISSION

SYMBOL	DESCRIPTION	QTY	DETAIL
26.60	Pedestal Electric		6/LS3.01

ASPHALT PAVING

SYMBOL	DESCRIPTION	QTY	DETAIL
32.12.13	Track Asphalt	56,247 sf	4/LS3.01

CONCRETE PAVING

SYMBOL	DESCRIPTION	QTY	DETAIL
32.16.13B	Concrete Edge band at Track	6,499 sf	10/LS3.01

ATHLETIC AND RECREATIONAL SURFACING

SYMBOL	DESCRIPTION	QTY	DETAIL
32.18.29	Synthetic Track Surfacing	55,101 sf	4/LS3.01

FENCES AND GATES

SYMBOL	DESCRIPTION	QTY	DETAIL
32.31.13	4' Black Vinyl Chain Link Fence at Track	1,515 lf	3/LS3.02

RETAINING WALLS

SYMBOL	DESCRIPTION	QTY	DETAIL
32.32.13	Cast in-place concrete retaining wall with brick face	208 lf	

SITE FURNISHINGS

SYMBOL	DESCRIPTION	QTY	DETAIL
32.33.00B	Flag Pole	1	4/LS3.01
32.33.00C	Drinking Fountain		10/LS3.01

SODDING

SYMBOL	DESCRIPTION	QTY	DETAIL
32.92.23	Bluegrass Athletic Field Sod	94,185 sf	1/LS3.01

STORM DRAINAGE UTILITIES

SYMBOL	DESCRIPTION	QTY	DETAIL
33.41.17	2" Sand Channel Drainage for Athletic Fields	4,313 lf	3/LS3.01
33.42.40	Track Acco Slot Drain	1,301 lf	7/LS3.01
D18	18" Perimeter Collector drain for Natural Grass Athletic Fields	1,090 lf	2/LS3.01

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PARE

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43 BROADWAY
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0" 1"
BAR IS ONE INCH ON ORIGINAL DRAWING

William S. Rogers High School

15 Wickham Road
Newport, Rhode Island

REGISTERED LANDSCAPE ARCHITECT
JAMES R. MITCHELL SKINNER
No. 428

REVISIONS:

PROJECT NO.:	21106.00
DATE:	OCTOBER 24, 2022
SCALE:	1"=60'-0"
DESIGNED BY:	KB/JR/JF
CHECKED BY:	KB/JR
DRAWN BY:	JR/JF
APPROVED BY:	KB

DRAWING TITLE:
ATHLETIC ENLARGEMENT

DRAWING NO.:
LS1.41

SHEET NO. 52 OF 59

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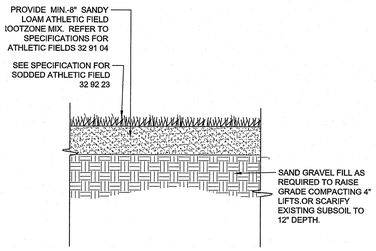
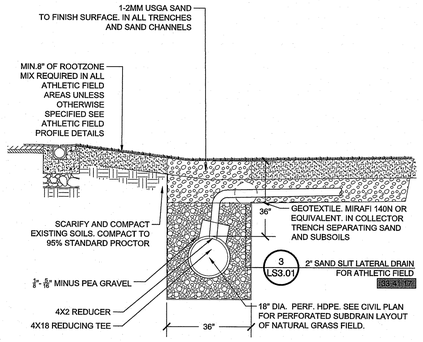
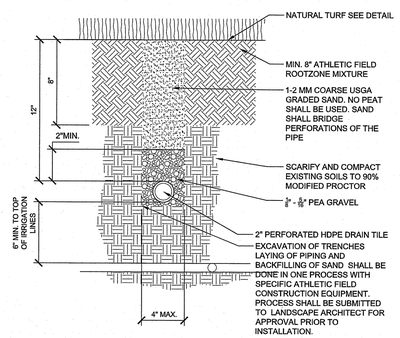


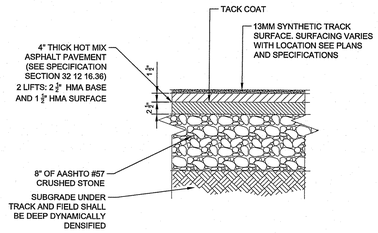
1 NATURAL GRASS ATHLETIC FIELD PROFILE
1" = 1'-0"



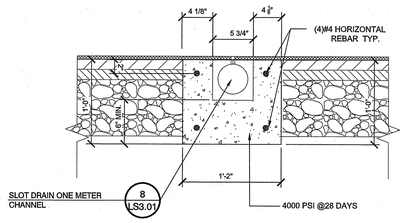
2 NATURAL GRASS ATHLETIC FIELD COLLECTOR DRAIN
1/2" = 1'-0"



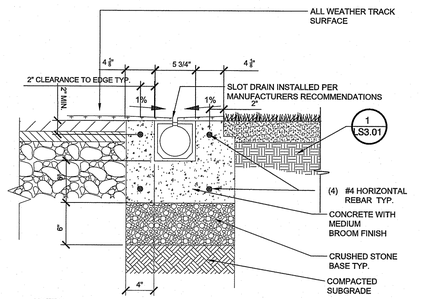
3 2" SAND SLIT LATERAL DRAIN FOR ATHLETIC FIELD
3" = 1'-0"



4 TYPICAL TRACK SURFACING CROSS SECTION
1 1/2" = 1'-0"

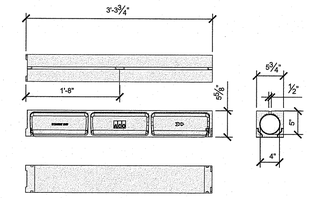


5 SLOT DRAIN AT D-AREA
1 1/2" = 1'-0"

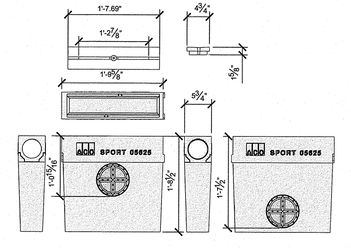


NOTES:
1. CONCRETE BEDDING SHALL HAVE SAW CUT JOINTS AT BOTH ENDS OF DRAIN SEGMENTS.
2. CONCRETE FINISH FOR TRACK SLOT AND TRENCH DRAINS SHALL BE MEDIUM BROOM.

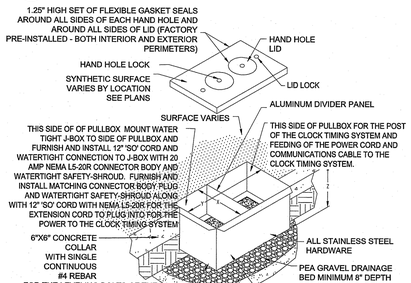
7 TRACK SLOT DRAIN WITH NATURAL GRASS FIELD
1 1/2" = 1'-0"



8 SLOT DRAIN ONE METER CHANNEL
1" = 1'-0"

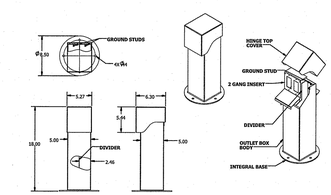


9 SLOT DRAIN- IN-LINE CATCH BASIN
1" = 1'-0"

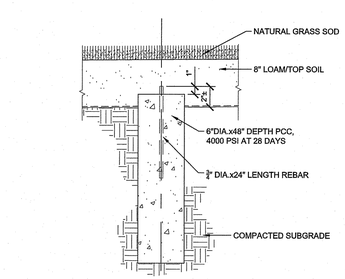


NOTES:
1. SWEEP CONDUITS UP THROUGH PEA GRAVEL AND OPEN BOTTOM OF PULLBOX.
2. PULLBOX DIMENSIONS VARY FROM MANUFACTURE TO MANUFACTURE.
3. REFER TO MANUFACTURE OF PULLBOX'S INFORMATION FOR COMPLETE INSTALLATION DETAILS.
4. BOX FURNISHED AND INSTALLED BY ATHLETIC FIELD CONTRACTOR

11 ATHLETIC COMBOX
1" = 1'-0"



6 ELECTRICAL PEDESTAL
1" = 1'-0"



NOTE:
IF CHANGED, CONTRACTOR SHALL HIRE A LICENSED SURVEYOR TO ESTABLISH THE TWO RADIUS POINT MARKER AS NOTED ON TRACK AND FIELD SITE LAYOUT

13 RADIUS POINT MARKER
3/4" = 1'-0"

P-EDU-KRO-SPOR-01

P-EDU-KRO-SPOR-03

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL
DATED: FEB 06 2023 FILE #: 22-0476
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Nancy L. Freeman

PARE

OWNER:
CITY OF NEWPORT
C/O JOSEPH NICHOLSON,
CITY MANAGER
43 BROADWAY
NEWPORT, RI 02840

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

William S. Rogers High School

15 Wickham Road
Newport, Rhode Island

REGISTERED LANDSCAPE ARCHITECT
KEITH MITCHELL BRAUNER
No. 426

REVISIONS:

RI Environmental Management
JAN 6 2023
Office of Water Resources

PROJECT NO.:	21106.00
DATE:	OCTOBER 24, 2022
SCALE:	1"=60'-0"
DESIGNED BY:	KB/JR/JF
CHECKED BY:	KB/JR
DRAWN BY:	JR/JF
APPROVED BY:	KB

DRAWING TITLE:
ATHLETIC DETAILS

DRAWING NO.:
LS3.01
SHEET NO. 59 OF 59

Z:\Projects\K-12\K1016.SLAM.Rogers HS\04 DD-CD\DWG\permitting Set 2022.9.29\LP1.21 Overall Planting Plan.dwg