UNITY PARK

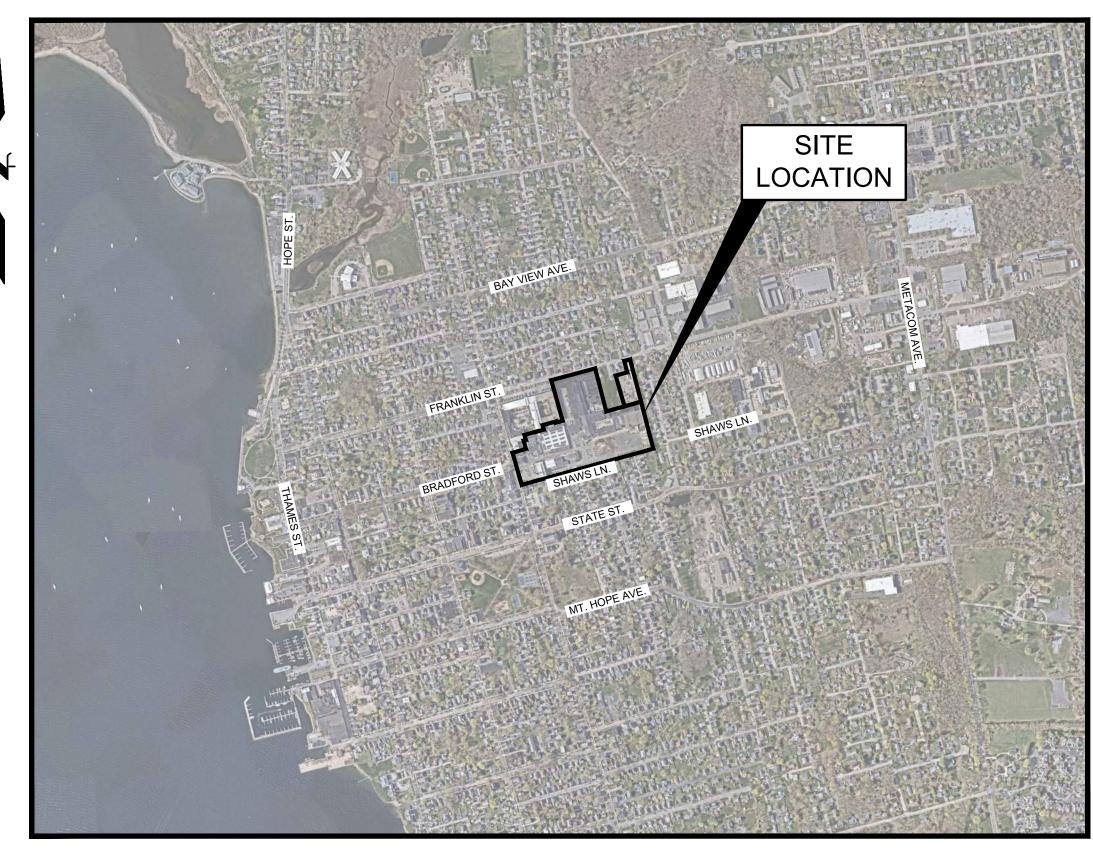
500 WOOD STREET · BRISTOL · RHODE ISLAND

PRELIMINARY PLAN

OCTOBER 3, 2025

SHEET INDEX

CD-501 - CD-505 DETAILS



LOCATION MAP

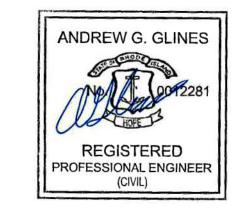
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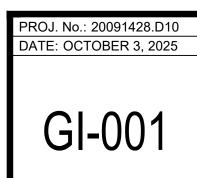
FUSS& O'NEILL

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UNITY PARK, LLC.

500 WOOD STREET BRISTOL, RI 02809





ABBREVIATIONS

APPROXIMATE BITUMINOUS PAVEMENT BOTTOM OF WALL CONCRETE CURB CAPE CODE BERM **ELEV ELEVATION EXIST** FXISTING GRANITE CURB MAXIMUM MIN MINIMUM NTS NOT TO SCALE PRECAST CONCRETE CURB PROP PROPOSED REMOVE AND DISPOSE R&R REMOVE AND RESET R&S TOS REMOVE AND STACK TOP OF SLOPE

VERTICAL GRANITE CURB

TOP OF WALL

2. THE SITE IS REGULATED UNDER OSHA 29 CFR 1910.120 AND 1926.65. ALL CONTRACTORS AND CATCH BASIN CORRUGATED METAL PIPE CORRUGATED POLYETHYLENE PIPE DOUBLE CATCH BASIN DUCTILE IRON PIPE FRAME AND GRATE FRAME AND COVER HIGH DENSITY POLYETHYLENE HYDRANT INVERT ELEVATION POLYVINYL CHLORIDE PIPE REINFORCED CONCRETE PIPE ROOF DRAIN SEWER MANHOLE TAPPING SLEEVE, VALVE AND BOX UTILITY POLE

GENERAL NOTES

- REFERENCES A. THE STATE OF RHODE ISLAND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2025 EDITION, REVISIONS AND ALL CURRENT ADDENDA, ARE MADE A PART HEREOF, AS IF ATTACHED HERETO. ALL REFERENCES TO "STATE STANDARD SPECIFICATIONS" SHALL REFER TO THE LATEST EDITION OF THE STATE OF RHODE ISLAND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
- B. THE STATE OF RHODE ISLAND STANDARD DETAILS, 2025 EDITION, AND ALL CURRENT REVISIONS, ARE MADE A PART HEREOF, AS IF ATTACHED HERETO. ALL REFERENCES TO "STATE STANDARD DETAILS" OR "R.I. STD. #.#.#" SHALL REFER TO THE LATEST EDITION OF THE STATE OF RHODE ISLANDS STANDARD DETAILS.
- C. THE STATE OF RHODE ISLAND SOIL EROSION AND SEDIMENT CONTROL HANDBOOK, 2016 EDITION, REVISIONS AND ALL CURRENT ADDENDA, ARE MADE A PART HEREOF, AS IF ATTACHED HERETO. ALL REFERENCES TO "SOIL EROSION AND SEDIMENT CONTROL HANDBOOK" SHALL REFER TO THE LATEST EDITION OF THE STATE OF RHODE ISLAND SOIL EROSION AND SEDIMENT CONTROL HANDBOOK.
- D. THE SITE-SPECIFIC SOIL EROSION AND SEDIMENT CONTROL PLAN (SESC PLAN) PREPARED BY FUSS & O'NEILL, INC., DATED OCTOBER 3, 2025 IS MADE A PART HEREOF, AS IF ATTACHED

2. EXISTING CONDITIONS:

- EXISTING FEATURES AND SITE INFORMATION INCLUDED HEREIN WAS COMPILED FROM SURVEY CONDUCTED BY NARRAGANSETT ENGINEERING INC., TITLED EXISTING CONDITIONS SITE PLAN, DATED APRIL 22, 2010, AND SUPPLEMENTED BY RIGIS MAPPING, SURVEY CONDUCTED BY NATIONAL LAND SURVEYORS, TITLED BRISTOL INDUSTRIAL PARK EXISTING CONDITIONS, DATED APRIL 2014, AND FIELD OBSERVATIONS CONDUCTED BY FUSS & O'NEILL. THE LOCATIONS OF EXISTING SITE FEATURES ARE APPROXIMATE ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING SITE FEATURES PRIOR TO COMMENCING WORK, AND NOTIFY OWNER AND THEIR REPRESENTATIVE OF DISCREPANCIES.
- THE SUBJECT SITE LIES WITHIN FLOOD ZONE X, PER FLOOD INSURANCE RATE MAP (FIRM) PANEL NO.44001C0014H, BRISTOL COUNTY, DATED JULY 7, 2014.
- UTILITIES:
 THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES SHOWN ARE APPROXIMATE ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES PRIOR TO COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MAY BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. THE CONTRACTOR IS TO CONTACT 'DIG SAFE' AT 811, AT LEAST 72 HOURS EXCLUSIVE OF WEEKENDS AND HOLIDAYS PRIOR TO ANY EXCAVATION PERFORMED ON SITE.

MATERIAL:

A. <u>CURBING</u>: CURBING SHALL BE GRANITE (R.I. STD. 7.3.0), CONCRETE (R.I. STD. 7.1.0) OR BITUMINOUS BERM (R.I. STD. 7.5.1) AND IN ACCORDANCE WITH SECTION M.09 OF THE STATE STANDARD

- B. <u>BITUMINOUS CONCRETE PAVEMENT:</u>
 BITUMINOUS PAVEMENTS SHALL MEET REQUIREMENTS OF PART 400 OF THE STATE STANDARD SPECIFICATIONS.
- ALL PORTLAND CEMENT CONCRETE USED IN THE CONSTRUCTION OF THE CEMENT CONCRETE SIDEWALKS SHALL BE CLASS A AND CONFORM TO THE REQUIREMENTS AS SET FORTH IN SUBSECTIONS 601.01.1 AND 601.03.1 OF THE STATE STANDARD SPECIFICATIONS.
- D. LANDSCAPE AREAS: ALL SURFACED AREAS OR DISTURBED AREAS NOT SPECIFIED ON THE PLANS SHALL RECEIVE 12" INCHES OF TOPSOIL, SEED, MULCH, AND BE WATERED UNTIL A HEALTHY STAND OF GRASS IS OBTAINED.
- ALL SIGNAGE SHALL MEET MUTCD REQUIREMENTS AND COMPLY WITH STANDARDS IN RIDOT SECTIONS T.15. AND M.16.

4. UTILITIES:

- A. <u>STORM DRAINAGES:</u> STORM DRAIN PIPING SHALL BE SMOOTH LINED BE DOUBLE-WALL HIGH DENSITY POLYETHYLENE PIPE, (n=0.012) WITH WATER TIGHT JOINTS. THE SIZES OF ALL PIPES ARE NOTED ON THE
- PIPES BETWEEN OUTFALLS AND THE NEAREST UP STREAM STRUCTURE SHALL BE REINFORCED CONCRETE PIPE WITH PRECAST CONCRETE FLARED END SECTIONS (R.I. STD. 2.3.0). ALL CATCH BASINS SHALL BE PRECAST CONCRETE, AS SPECIFIED ON THE DETAIL SHEETS, WITH BICYCLE SAFE GRATES, R.I. STANDARD 6.3.2, OR APPROVED EQUAL.
- ALL SEWER PIPE, UNLESS OTHERWISE SPECIFIED, SHALL BE POLYVINYL CHLORIDE (SDR 35). CLEAN OUTS SHALL BE INSTALLED WHERE THE DISTANCE FROM THE BUILDING TO THE MAIN SEWER IS GREATER THAN 100 FEET OR WHERE BENDS GREATER THAN 45° ARE PROPOSED. CLEAN OUTS SHALL BE MADE BY INSTALLING 'Y' AND ONE-EIGHTH BENDS OF THE SAME DIAMETER AS THE BUILDING SEWER, OR A MAXIMUM OF FOUR INCHES. THE CLEAN OUT SHALL

BE BROUGHT UP FROM THE BUILDING SEWER TO [FOUR INCHES BELOW GROUND LEVEL AND BE

PROPERLY CAPPED] [FINISH GRADE WITH A ROADWAY BOX]. SEWER INSTALLATION PRACTICES AND APPURTENANCES SHALL BE IN ACCORDANCE WITH CITY DPW STANDARDS AND/OR THE NARRAGANSETT BAY COMMISSION.

GENERAL CONSTRUCTION REQUIREMENTS

DESIGNER REVIEWER

- THE SITE IS A REGULATED SITE UNDER THE RIDEM "RULES AND REGULATIONS FOR THE INVESTIGATION AND REMEDIATION OF HAZARDOUS MATERIALS RELEASES" ("REMEDIATION REGULATIONS"), AND A SITE-SPECIFIC REMEDIAL ACTION WORK PLAN (RAWP). COMPLY WITH THE RAWP AND RIDEM OFFICE OF WASTE MANAGEMENT REQUIREMENTS FOR ALL LAND DISTURBANCE ACTIVITIES AND CONSTRUCTION. ALL EXCESS EXCAVATED MATERIALS, EXCESS FILL, EXCESS CONSTRUCTION MATERIALS, AND DEBRIS SHALL BE REMOVED FROM THE SITE AND SHALL BE DISPOSED OF IN ACCORDANCE WITH APPLICABLE LAWS, AND RAWP.
- ALL EXISTING SOIL AT THE SITE IS CONSIDERED TO BE REGULATED SOIL, FALLS UNDER RIDEM JURISDICTION, AND AT THE END OF THE PROJECT, SHOULD BE COVERED BY A SOIL CAP. ALL EXCAVATED ON-SITE SOIL TO BE REMOVED FROM THE SITE BY THE CONTRACTOR MUST BE MANAGED IN ACCORDANCE WITH THE RAWP AND DISPOSED OF AT A RIDEM-APPROVED FACILITY.
- PRIOR TO IMPORTATION TO THE SITE, ALL EARTHEN MATERIAL, INCLUDING BUT NOT LIMITED TO BACKFILL, BEDDING, BORROW, GRANULAR MATERIAL, FILL, GRAVEL BORROW, AND GRAVEL BASE, MUST BE LABORATORY ANALYZED AND APPROVED AS CLEAN FILL BY THE ENGINEER IN
- ACCORDANCE WITH THE RAWP.

SOIL EROSION AND SEDIMENT CONTROL INSTALLATION

11. REMOVE TEMPORARY EROSION CONTROLS MEASURES ONCE PERMANENT VEGETATION COVER HAS BEEN ESTABLISHED AND THE SITE IS STABILIZED, INSPECTED, AND APPROVED BY PERMITTING AUTHORITY

WORKERS SHALL MAINTAIN COMPLIANCE WITH HAZARDOUS WASTE OPERATIONS AND EMERGENCY

SAFETY PLAN (HASP) IN ACCORDANCE WITH OSHA 29 CFR 1910.120. A COPY MUST BE MAINTAINED

PROGRAM. THE PROJECT SHALL COMPLY WITH THE CONDITIONS OF THE RIPDES GENERAL PERMIT FOR

THE CONTRACTOR SHALL VERIFY THE PROPOSED LAYOUT WITH ITS RELATIONSHIP TO THE EXISTING

SITE SURVEY AND CONFIRM ALL DIMENSIONS, SITE CONDITIONS, AND MATERIAL SPECIFICATIONS ARE

OBTAIN ALL NECESSARY PERMITS, INSPECTIONS, BONDS, ETC. AND OTHER APPROVAL RELATED ITEMS

CONSTRUCTION SHALL COMMENCE UNTIL SUCH PERMITS HAVE BEEN SECURED AND THE CONTRACTOR

METHODS AND MATERIALS USED IN THE CONSTRUCTION OF IMPROVEMENTS FOR THIS PROJECT SHALL

CONFORM TO THE CURRENT CONSTRUCTION STANDARDS AND SPECIFICATIONS OF THE LOCAL

DEVIATIONS OR CHANGES FROM THESE PLANS WILL NOT BE ALLOWED UNLESS APPROVED BY THE

9. CONTACT 'DIG SAFE' AT 1-888-344-7233, 72 HOURS PRIOR, EXCLUDING WEEKENDS AND HOLIDAYS,

VERIFY THE EXISTENCE AND LOCATION OF UNDERGROUND UTILITIES AND OTHER CONSTRUCTION

EXISTING UTILITIES AND NOTIFY OWNER/ENGINEER OF ANY DISCREPANCIES FROM CONTRACT

AFFECTING THE WORK. CONTRACTOR SHALL MAKE EXPLORATORY EXCAVATIONS AND LOCATE ANY

DOCUMENTS AHEAD OF CONSTRUCTION TO ALLOW REVISIONS TO BE MADE TO PLANS IF NECESSARY.

THE CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT UTILITIES SHOWN

HEREON AND ANY OTHER EXISTING UTILITIES NOT SHOWN ON THESE PLANS THAT ARE TO REMAIN.

THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING, AT HIS/HER EXPENSE, ANY EXISTING UTILITIES

DAMAGED DURING CONSTRUCTION ESPECIALLY THOSE WHICH RESULTED FROM THE CONTRACTOR'S

12. MATERIALS AND METHODS OF CONSTRUCTION ASSOCIATED WITH THE ADJUSTMENT AND/OR REMOVAL

STORMWATER POLLUTION PREVENTION PLAN), AND ALL APPLICABLE PERMITS MUST BE AVAILABLE AT

CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS

TAPE FOR REVIEW BY THE OWNER/ENGINEER. TREES AND OTHER EXISTING VEGETATION SHALL BE

RETAINED WHEREVER FEASIBLE. DO NOT REMOVE TREES UNTIL REVIEWED AND APPROVED BY THE

17. RESTORE HARDSCAPE IMPROVEMENTS NOT INDICATED FOR REMOVAL WITH MATCHING MATERIALS (I.E.

ANY PAVEMENT, WALKS, CURBS, ETC.) THAT MUST BE CUT OR THAT ARE DAMAGED DURING

18. RESTORE DISTURBED LANDSCAPE AREAS TO ORIGINAL CONDITION (I.E. SEEDED, SODDED, PLANTED)

20. DO NOT CLOSE OR OBSTRUCT ROADWAYS, SIDEWALKS, FIRE HYDRANTS, AND UTILITIES WITHOUT

21. WORK IS RESTRICTED TO THE HOURS OF 7 AM TO 5 PM ON MONDAY THROUGH FRIDAY, EXCLUDING

CONSTRUCTION ACTIVITIES ASSOCIATED WITH THIS PROJECT ARE EXPECTED TO COMMENCE INWINTER 2025

INSTALL PERIMETER SEDIMENT CONTROL BARRIERS, EROSION CONTROL AND PROPOSED CONSTRUCTION

ACCESS. SEDIMENT EROSION CONTROL MEASURES WILL BE MAINTAINED OR REPLACED AS REQUIRED

AND WILL BE COMPLETED BY FALL 2026. THE GENERAL SEQUENCE FOR EACH PHASE OF CONSTRUCTION

5. COMPACT SUBGRADE AND INSTALL GRAVEL BORROW IN ALL AREAS TO BE PAVED WITH BITUMINOUS

THROUGHOUT CONSTRUCTION PERIOD. ANY TEMPORARY SOIL STOCKPILE AREAS DURING

CONSTRUCTION WILL ALSO BE ENCOMPASSED BY PERIMETER CONTROLS.

3. CONDUCT ROUGH GRADING AND STOCKPILE EXCESS SOILS FOR REMOVAL OR REUSE.

8. CONDUCT FINAL GRADING OF LANDSCAPED AREAS AND CONSTRUCT SIDEWALKS.

9. PERMANENTLY SEED ALL NON-PAVED AREAS AND INSTALL LANDSCAPING.

10. INSTALL THE SURFACE COURSE FOR ROADWAYS AND PARKING AREAS.

REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.

15. IDENTIFY TREES TO BE REMOVED PRIOR TO CONSTRUCTION AND MARK THEM WITH CONSTRUCTION

AND RELOCATIONS OF UNDERGROUND UTILITIES SHALL BE IN ACCORDANCE WITH THE UTILITY

13. AN APPROVED SET OF PLANS, SIGNED SOIL EROSION AND SEDIMENT CONTROL PLAN (AKA

14. THE CONTRACTOR IS RESPONSIBLE FOR JOB SITE CONDITIONS DURING THE COURSE OF

16. PROVIDE PROPER TRANSITIONS BETWEEN EXISTING AND PROPOSED SITE IMPROVEMENTS.

UNLESS OTHERWISE DIRECTED WITHIN CONTRACT DOCUMENTS.

HOLIDAYS, UNLESS OTHERWISE APPROVED BY THE OWNER.

19. ADJUST UTILITY COVERS, GRATES, AND HAND HOLES TO FINISH GRADE.

APPROXIMATELY CORRECT. BEFORE BEGINNING SITE WORK, THE CONTRACTOR SHALL INVESTIGATE AND

11. THE EXISTENCE AND/OR LOCATION OF UTILITIES SHOWN ON THESE PLANS MAY BE ONLY

WITH THE LOCAL AND STATE MUNICIPALITIES. APPLICATION FEES SHALL BE PAID BY OWNER. NO

ON-SITE AT ALL TIMES AND BE AVAILABLE FOR EXAMINATION BY THE OWNER AND ENGINEER, IF

DISCHARGES FROM CONSTRUCTION SITE ARE REGULATED BY THE RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT RHODE ISLAND POLLUTANT DISCHARGE SYSTEM ELIMINATION (RIPDES)

STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION SITE RUNOFF, AND THE CITY OF

CONSISTENT. NOTIFY THE OWNER AND ENGINEER IN WRITING OF ANY ERRORS. OMISSIONS OR

PROVIDENCE CODE OF ORDINANCES, CHAPTER V ARTICLE VII "SOIL EROSION AND SEDIMENT

3. CONTRACTOR IS RESPONSIBLE FOR PREPARING AND FOLLOWING A SITE-SPECIFIC HEALTH AND

RESPONSE (HAZWOPER) TRAINING AND CERTIFICATION REQUIREMENTS.

DISCREPANCIES BEFORE COMMENCING OR PROCEEDING WITH WORK.

MUNICIPALITY AND THE RHODE ISLAND DEPARTMENT OF TRANSPORTATION.

FAILURE TO LOCATE SAID INFRASTRUCTURE AND UTILITIES EXACTLY.

HAS SUPPLIED THE REQUIRED NOTICES.

TO ANY EXCAVATION PERFORMED ON SITE.

OWNER'S RULES AND REGULATIONS.

CONSTRUCTION.

APPROPRIATE PERMITS.

CONSTRUCTION SEQUENCE

2. CLEAR THE SITE AND REMOVE DEMOLISHED MATERIALS.

7. INSTALL BASE AND BINDER COURSES FOR ALL PAVED AREAS.

4. INSTALL UTILITIES AND STORM DRAINS.

OR CONCRETE PAVEMENT.

6. INSTALL PROPOSED CURBING.

AND THE ENGINEER.

THE CONSTRUCTION SITE AT ALL TIMES.

ENGINEER/OWNER.

- PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES, INSTALL ALL EROSION AND SEDIMENT CONTROL DEVICES AS SHOWN ON THE PLAN. AS DIRECTED BY THE RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT AND/OR LOCAL MUNICIPALITY, OR MAY BE REQUIRED BY SITE CONDITIONS TO PREVENT SEDIMENT FLOW TO STORM DRAINS OR SURFACE WATERS. ALL EROSION CONTROL DEVICES WILL BE MAINTAINED THROUGHOUT CONSTRUCTION.
- DISTURBANCE OF SOIL SURFACES IS REGULATED BY STATE LAW AND LOCAL ORDINANCE. ALL WORK SHALL COMPLY WITH THE FOLLOWING CRITERIA AND OTHER PERMIT CONDITIONS TO PREVENT OR MINIMIZE SOIL EROSION AND SEDIMENTATION TO OFF-SITE AREAS.
- FOLLOW THE SITE-SPECIFIC SESC PLAN, SITE PREPARATION PLAN, EROSION AND SEDIMENT CONTROL SPECIFICATION, AS WELL AS RHODE ISLAND SOIL EROSION AND SEDIMENT CONTROL HANDBOOK IN CONSTRUCTING THE EROSION AND SEDIMENT CONTROLS INDICATED ON THE PLANS. ALL EROSION AND SEDIMENT CONTROL MEASURES OR WORKS AND REHABILITATION MEASURES MUST CONFORM TO OR EXCEED THESE REQUIREMENTS.

- THE CONTRACTOR SHALL COMPLY WITH THE LATEST EDITION OF THE "RHODE ISLAND EROSION CONTROL MANUAL" IN CONSTRUCTING THE EROSION AND SEDIMENT CONTROLS INDICATED ON THE PLANS. ALL EROSION AND SEDIMENT CONTROL MEASURES OR WORKS AND REHABILITATION MEASURES MUST CONFORM TO OR EXCEED THE SPECIFICATIONS OR STANDARDS SET OUT IN THIS DOCUMENT
- 5. THE CONTRACTOR IS RESPONSIBLE FOR THE TIMELY INSTALLATION, INSPECTION, MAINTENANCE, AND/OR REPLACEMENT OF ALL TEMPORARY AND PERMANENT EROSION CONTROL DEVICES SHOWN ON THESE PLANS TO ENSURE PROPER OPERATION THROUGHOUT THE LIFE OF THE PROJECT UNTIL CONSTRUCTION OF THE PROJECT IS COMPLETED OR UNTIL IT IS ACCEPTED BY THE OWNER. REMOVE EROSION AND SEDIMENTATION CONTROLS AFTER STABLE VEGETATIVE GROWTH IS ESTABLISHED.
- 6. THE CONTRACTOR SHALL INSPECT EROSION AND SEDIMENT CONTROL DEVICES ON A WEEKLY BASIS, AFTER EACH STORM EVENT THAT GENERATES AT LEAST 0.25 INCHES OF RAINFALL OVER A 24-HOUR PERIOD. AND AT LEAST DAILY DURING PROLONGED RAINFALL. CLEAN OUT ACCUMULATED SEDIMENT BEHIND CONTROLS. REPAIR OR REPLACE CONTROLS PROMPTLY AS NEEDED. REMOVE ACCUMULATED SEDIMENT FROM BEHIND PERIMETER CONTROLS WHEN ONE-HALF OF THE ORIGINAL HEIGHT OF THE PERIMETER CONTROLS BECOME FILLED WITH SEDIMENT. REMOVE SEDIMENT FROM CATCH BASIN INLET PROTECTION IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS. DISPOSE OF REMOVED SEDIMENT IN ON-SITE FILL AREAS OR LAWFULLY OFF-SITE.
- TREES AND OTHER EXISTING VEGETATION NOT WITHIN THE LIMITS OF DISTURBANCE SHALL BE PROTECTED FROM DAMAGE. VEGETATED AREAS AND/OR TREES DAMAGED THAT ARE NOT PLANNED FOR REMOVAL SHALL BE RESTORED TO THEIR ORIGINAL CONDITION OR BETTER TO THE SATISFACTION OF THE OWNER.
- TEMPORARY VEGETATIVE COVER SHALL BE APPLIED TO ANY DISTURBED AREAS THAT HAVE NOT YET REACHED FINISHED GRADE AS SOON AS POSSIBLE, BUT NOT MORE THAN SEVEN (7) DAYS AFTER CONSTRUCTION ACTIVITY IN THAT AREA HAS TEMPORARILY CEASED, UNLESS THE ACTIVITY IS TO RESUME WITHIN THIRTY (30) DAYS. TEMPORARY VEGETATIVE COVER SHALL CONSIST OF AND BE APPLIED WITHIN THE RECOMMENDED SEEDING DATES FROM SEED AT A RATE OF
- PERMANENT VEGETATIVE COVER SHALL BE ESTABLISHED TO ALL DISTURBED AREAS THAT HAVE REACHED FINISHED GRADE AS SOON AS POSSIBLE, BUT NOT MORE THAN SEVEN (7) DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT AREA HAS PERMANENTLY CEASED. RECOMMENDED PERMANENT SEEDING DATES ARE THROUGH....... PERMANENT VEGETATIVE COVER SEED MIXTURES AND APPLICATION RATES SHALL BE IN ACCORDANCE WITH ALL PLANTINGS AND SEED SHALL BE COVERED BY A ONE-YEAR WARRANTY PERIOD; RE-SEEDING/RE-PLANTING SHALL BE COMPLETED TO ENSURE STABLE VEGETATIVE COVER IS ESTABLISHED OVER ALL DISTURBED AREAS.
- 10. IF PERMANENT SEEDING CANNOT BE COMPLETED IMMEDIATELY OR WITHIN THE RECOMMENDED SEEDING DATES, TEMPORARY BIODEGRADABLE EROSION CONTROL BLANKETING (CONTAINING NO PLASTIC COMPONENTS) OR MULCHING SHALL BE INSTALLED OVER ALL UPLAND DISTURBED AREAS TO PROTECT THE SITE UNTIL ARRIVAL OF THE NEXT RECOMMENDED SEEDING PERIOD. SUCH TEMPORARY MEASURES SHALL BE INSTALLED AS SOON AS POSSIBLE BUT NOT MORE THAN SEVEN (7) DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT AREA HAS TEMPORARILY CEASED UNLESS THE ACTIVITY IS TO RESUME WITHIN THIRTY (30) DAYS.
- 11. ANY DISTURBED AREAS WHICH DO NOT HAVE ADEQUATE VEGETATIVE STABILIZATION BY NOVEMBER 15TH MUST BE STABILIZED THROUGH THE USE OF NON-VEGETATIVE EROSION CONTROL MEASURES. IF WORK CONTINUES WITHIN ANY OF THESE AREAS DURING THE PERIOD FORM OCTOBER 15TH THROUGH APRIL 15TH, CARE MUST BE TAKEN TO ENSURE THAT ONLY THE AREA REQUIRED FOR THAT DAY'S WORK IS EXPOSED, AND ALL ERODIBLE SOILS MUST BE RESTABILIZED WITHIN 5 WORKING
- 12. BLANKETING OR MULCHING MUST BE INSPECTED PERIODICALLY, IN PARTICULAR AFTER RAINSTORMS, TO CHECK FOR RILL EROSION. WHERE EROSION IS OBSERVED, ADDITIONAL MULCH MUST BE APPLIED OR BLANKETING REPAIRED OR REPLACED. INSPECTIONS SHALL TAKE PLACE UNTIL VEGETATION IS THOROUGHLY ESTABLISHED.
- 13. GOOD HOUSEKEEPING: THE PROJECT SITE SHALL PROVIDE FOR THE MINIMIZATION OF EXPOSURE OF CONSTRUCTION DEBRIS (INCLUDING, BUT NOT LIMITED TO, INSULATION, WRING, PAINTS AND PAINT CANS, SOLVENTS, WALL BOARD, ETC.) TO PRECIPITATION BY MEANS OF DISPOSAL AND/OR PROPER SHELTER OR COVER. CONSTRUCTION WASTE MUST BE PROPERLY DISPOSED OF IN ORDER TO AVOID EXPOSURE TO PRECIPITATION AT THE END OF EACH WORKING DAY.
- 14. STORAGE AND DISPOSAL: MATERIALS WHICH COULD BE A POTENTIAL SOURCE OF STORMWATER POLLUTION SUCH AS GASOLINE, DIESEL FUEL, HYDRAULIC OIL, ETC., WILL BE STORED AT THE END OF FACH DAY IN A LOCKED STORAGE TRAILER OR COVERED LOCATION AND TAKEN OFF-SITE AND PROPERLY DISPOSED OF. ALL TYPES OF WASTE GENERATED AT THIS SITE WILL BE DISPOSED OF IN A MANNER CONSISTENT WITH STATE LAW AND/OR REGULATIONS.
- 15. SPILL/LEAK PROTECTION AND RESPONSE: FUEL VEHICLES AND EQUIPMENT AWAY FROM THE WETLAND AND DRAINAGE SYSTEM AND PREVENT CONTAMINATION OF SOIL, GROUNDWATER OR SURFACE WATER FROM SPILLS OR LEAKS.. DEPLOY BOOMS AND OTHER CONTAINMENT/CLEANUP MEASURES IN THE EVENT OF A SPILL OR LEAK. NOTIFY LOCAL FIRE DEPT. AND RIDEM IMMEDIATELY OF ANY SPILLS.
- 16. TRACKING AND DUST CONTROL: IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CLEAN ADJACENT ROADS WHERE CONSTRUCTION VEHICLES HAVE TRACKED SEDIMENT FROM THE PROJECT, CONTROL DUST, AND TAKE ALL NECESSARY MEASURES TO ENSURE THAT THE SITE AND ALL ADJACENT ROADS BE MAINTAINED IN A MUD- AND DUST-FREE CONDITION AT ALL TIMES THROUGHOUT THE LIFE OF THE CONTRACT, ALL SEDIMENT SPILLED. DROPPED, WASHED, OR TRACKED ONTO THE SURROUNDING ROADWAYS MUST BE REMOVED IMMEDIATELY AT THE END OF EACH WORKING DAY. DUST CONTROL MAY ALSO INCLUDE APPLICATION OF CONTROLLED AMOUNTS OF WATER ONTO AFFECTED AREAS OR OTHER CONTROL MEASURES APPROVED BY THE ENGINEER.

SOIL EROSION AND SEDIMENT CONTROL INSPECTION

- 1. A SITE-SPECIFIC SOIL EROSION AND SEDIMENT CONTROL PLAN (SESC PLAN) HAS BEEN PREPARED. THE SESC PLAN MUST BE REVIEWED AND SIGNED BY THE OWNER, OPERATOR (I.E CONTRACTOR), AND CONTRACTOR'S DESIGNATED SESC INSPECTOR. A HARD-COPY OF THE SIGNED SESC PLAN, INCLUDING ALL INSPECTION REPORTS, CORRECTIVE ACTION LOGS, AND ADDENDA, MUST BE KEPT ON SITE AT ALL TIMES THROUGHOUT CONSTRUCTION.
- AN INSPECTION OF STORMWATER CONTROL MEASURES MUST BE CONDUCTED BY THE CONTRACTOR AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS, AND WITHIN TWENTY-FOUR (24) HOURS AFTER ANY STORM EVENT WHICH GENERATES AT LEAST 0.25 INCHES OF RAINFALL PER TWENTY-FOUR (24) HOUR PERIOD.
- PREPARE AN INSPECTION REPORT SUMMARIZING THE SCOPE OF THE INSPECTION, NAME(S) AND TITLES OF PERSONNEL MAKING THE INSPECTION, THE DATE(S) OF THE INSPECTION, MAJOR OBSERVATIONS RELATING TO THE IMPLEMENTATION OF THE SESC PLAN, AND CORRECTIVE ACTIONS WHICH MUST BE MADE. SUCH REPORTS MUST IDENTIFY ANY INCIDENTS OF NONCOMPLIANCE. WHERE AN INSPECTION DOES NOT IDENTIFY ANY INCIDENTS OF NONCOMPLIANCE, A INSPECTION REPORT MUST STILL BE PREPARED TO CERTIFY THAT THE SITE IS IN COMPLIANCE WITH THE SESC PLAN AND RIPDES PERMIT. THE INSPECTION REPORT MUST BE SIGNED BY THE INSPECTOR AND OPERATOR AND KEPT WITH THE ON-SITE SESC PLAN.
- FOLLOWING AN INSPECTION, ALL CORRECTIVE ACTIONS MUST BE COMPLETED WITHIN SEVEN (7) CALENDAR DAYS. A CORRECTIVE ACTION LOG MUST BE SIGNED BY THE OPERATOR AND KEPT WITH THE ON-SITE SESC PLAN.
- BASED ON THE RESULTS OF THE INSPECTIONS, THE SESC PLAN MUST BE REVISED AS APPROPRIATE, BUT IN NO CASE LATER THAN SEVEN (7) CALENDAR DAYS FOLLOWING THE INSPECTION. SUCH MODIFICATIONS MUST PROVIDE FOR IMPLEMENTATION OF ANY CHANGES TO THE SESC PLAN WITHIN SEVEN (7) CALENDAR DAYS FOLLOWING THE INSPECTION.
- IF AN INSPECTION REVEALS A DISCHARGE OF SEDIMENTS TO THE WATERS OF THE STATE OR A SEPARATE STORM SEWER SYSTEM, THE PERMITTEE MUST NOTIFY THIS OFFICE OF THE NATURE OF THE DISCHARGE, THE MEASURES TAKEN TO CLEAN UP THE DISCHARGE, AND THE MEASURES TAKEN TO PREVENT FUTURE RELEASES.
- A HARD COPY OF THE COMPLETE SESC PLAN, INCLUDING ALL INSPECTION REPORTS, CORRECTIVE ACTION LOGS, AND ADDENDA, MUST BE RETAINED BY THE OWNER FOR AT LEAST FIVE (5) YEARS FROM THE DATE THAT THE SITE HAS UNDERGONE FINAL STABILIZATION.

SPILL PREVENTION AND RESPONSE PROCEDURE

- THERE SHALL BE NO DISCHARGE OR DISPOSAL OF TOXIC WASTE, HAZARDOUS MATERIALS, OIL, GREASE AND OTHER LUBRICANTS, EXCESS FERTILIZER, PESTICIDES OR OTHER CHEMICALS OR CONTROLLED MATERIALS EITHER ON SITE OR IN ANY AREA WHICH MAY ENTER A WETLAND, WATERCOURSE. OR GROUNDWATER.
- ANY INADVERTENT OR DELIBERATE DISCHARGE OF WASTE OIL OR ANY OTHER POLLUTANT TO THE PROVIDENCE RIVER, SHORELINE, OR STORMWATER SYSTEM (I.E. INFILTRATION BEST MANAGEMENT PRACTICES, OR CLOSED-CONDUIT DRAINAGE SYSTEM THAT DISCHARGES TO SYSTEM) REQUIRES IMMEDIATE NOTIFICATION TO THE RIDEM OIL POLLUTION CONTROL PROGRAM AT (401) 277-2284, AS PER THE OIL POLLUTION CONTROL REGULATIONS. DURING NON-WORKING HOURS, NOTIFICATION OF SPILLS CAN BE MADE TO THE RIDEM DIVISION OF ENFORCEMENT AT (401) 222-3070 (THE 24-HOUR EMERGENCY RESPONSE PHONE NUMBER).
- ANY INCIDENT OF GROUNDWATER CONTAMINATION RESULTING FROM THE IMPROPER DISCHARGE OF POLLUTANTS TO THE STORMWATER DISPOSAL SYSTEM SHALL BE THE RESPONSIBILITY OF THE PROPERTY OWNER AS WELL AS ANY OTHER PARTIES THAT THE RIDEM DETERMINES TO BE RESPONSIBLE FOR THE CONTAMINATION. PURSUANT TO STATE LAWS AND REGULATIONS, THE RIDEM MAY REQUIRE THE PROPERTY OWNER, CONTRACTOR, AND OTHER RESPONSIBLE PARTIES TO REMEDIATE ANY INCIDENTS THAT MAY ADVERSELY IMPACT GROUNDWATER QUALITY.
- UPON TRANSFER OF THE PROPERTY, THE NEW OWNER SHALL BE INFORMED AS TO THE LEGAL RESPONSIBILITIES ASSOCIATED WITH DISPOSAL SYSTEM, AS INDICATED ABOVE.
- THE PROPERTY OWNER SHALL BE RESPONSIBLE TO REMEDIATE INCIDENTS THAT ADVERSELY IMPACT GROUNDWATER QUALITY.

EXCESS EXCAVATED MATERIALS

ALL EXCESS EXCAVATED MATERIALS (SOILS, ROCK, GRAVEL, ETC.), EXCESS CONSTRUCTION MATERIALS, DEMOLITION DEBRIS, TEMPORARY EROSION, RUNOFF AND SEDMENT CONTROL MEASURES, ETC.. SHALL BE REMOVED FROM THE SITE FOR APPROPRIATE RE-USE AND/OR PROPER DISPOSAL AT A SUITABLE UPLAND LOCATION OR LANDFILL. ALL TOXIC MATERIALS AND WASTE SHALL BE PROPERLY TRANSPORTED AND DISPOSED OF IN ACCORDANCE WITH STATE AND FEDERAL

PROTECTION OF WORK REQUIREMENTS

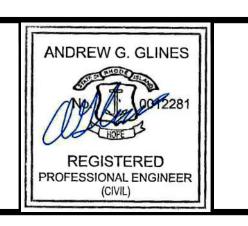
- THE WORK AND SITE SHALL BE PROTECTED AT ALL TIMES UNTIL FINAL ACCEPTANCE BY THE OWNER. CARE SHALL BE EXERCISED WHILE OPERATING EQUIPMENT ON AND ADJACENT TO THE WORK AREA. THE CONTRACTOR SHALL BE RESPONSIBLE TO ASSURE THE UTILIZED EQUIPMENT DOES NOT CAUSE DAMAGE TO EXISTING FEATURES.
- ACCESS TO VARIOUS PORTIONS OF THE SITE SHALL BE UNDERTAKEN IN SUCH A MANNER THAT THE WORK AND SITE ARE PROTECTED AT ALL TIMES. ACCESS WAYS SHALL BE CONSTRUCTED, MAINTAINED, AND PROTECTED WITH SEDIMENT CONTROLS TO PREVENT DAMAGE FROM EROSION DURING MAJOR STORM EVENTS.
- 3. PLACEMENT AND COMPACTION OF FILL MATERIALS SHALL BE COMPLETED IN SUCH A MANNER THAT THE WORK AND ADJACENT ROADWAYS ARE PROTECTED FROM DAMAGE AT ALL TIMES.
- BACKFILL OPERATIONS SHALL PROCEED TO RAISE THE GROUND SURFACE UNIFORMLY AND SHAPED TO PROVIDE POSITIVE DRAINAGE AT ALL TIMES. CONSTRUCT AND MAINTAIN ON THE SITE, ALL DITCHES AND CHANNELS NECESSARY TO KEEP THE SITE IN A DRY AND WORKABLE CONDITION. WHERE WATER IS FLOWING OR OTHERWISE INFILTRATING INTO AN EXCAVATION. PROVIDE FOR PUMPING AND OTHER DRAINAGE FACILITIES, INCLUDING EROSION AND SEDIMENT CONTROLS, TO DIVERT WATER FROM SUCH EXCAVATION.
- DO NOT ALLOW WATER TO ACCUMULATE IN EXCAVATIONS. REMOVE WATER TO PREVENT SOFTENING OF FOUNDATION BOTTOMS, UNDERCUTTING OF FOOTINGS AND SOIL CHANGES DETRIMENTAL TO STABILITY OF SUBGRADES, FOUNDATIONS AND STRUCTURES.
- IT IS NOT ANTICIPATED THAT THE PUMPING OF GROUNDWATER WILL BE REQUIRED FOR DE-WATERING HOWEVER, DURING OR FOLLOWING RAINFALL EVENTS, THE PUMPING OF STANDING WATER IN EXCAVATION AREAS MAY BE REQUIRED. IF REQUIRED, PUMP DISCHARGES SHALL BE MANAGED SUCH THAT THESE DO NOT CAUSE EROSION OF SOILS OR DO NOT RESULT IN THE DISCHARGE OF SEDIMENT LADEN WATER. PUMPED WATER SHALL BE DISCHARGED THROUGH AN APPROVED SEDIMENT CONTROL DEVICE (E.G. FILTER BAG) TO PROPERLY FILTER TURBID WATER THAT IS LOCATED ON A CRUSHED STONE IN A DEWATERING AREA TO AVOID SCOUR OR SUSPENSION OF SOIL AT THE DISCHARGE. WATER SHALL NOT BE DISCHARGED ONTO FILL OR BACKFILL AREAS. IF NEEDED, DEWATERING AREA WITH FILTER BAGS SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH GOOD ENGINEERING PRACTICES INCLUDED THE APPLICABLE DETAILS FOUND IN THE MANUFACTURER'S SPECIFICATIONS AND/OR IN THE RHODE ISLAND SOIL EROSION AND SEDIMENT CONTROL HANDBOOK (AS AMENDED).
- TEMPORARY STORMWATER BYPASS CONVEYANCE SYSTEMS (THAT MAY BE REQUIRED) TO DISCHARGE STORMWATER THROUGH THE SITE (AND AROUND PROPOSED WORK) DURING CONSTRUCTION SHALL BE INSTALLED, OPERATED, MAINTAINED AND REMOVED IN SUCH A MANNERS TO PROTECT THE WORK AND EXISTING FEATURES FROM DAMAGE AT ALL TIMES UNTIL FINAL ACCEPTANCE BY THE OWNER.
- 8. PROTECT CONSTRUCTED WORK ON THE SITE DURING STORM AND FLOOD CONDITIONS.

STORMWATER MAINTENANCE PROGRAM

OPERATION AND MAINTENANCE OF STORMWATER MANAGEMENT SYSTEM SHALL BE CONDUCTED IN ACCORDANCE WITH SITE-SPECIFIC LONG-TERM OPERATION & MAINTENANCE PLAN.

PRELIMINARY PLAN

DESCRIPTION



SCALE: HORZ.: ?" = ??' VERT.: DATUM: HORZ. VERT.: 22' 22'

GRAPHIC SCALE

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GENERAL NOTES & LEGEND

UNITY PARK

500 WOOD STREET - PLAT 29, LOT 1

BRISTOL, RHODE ISLAND

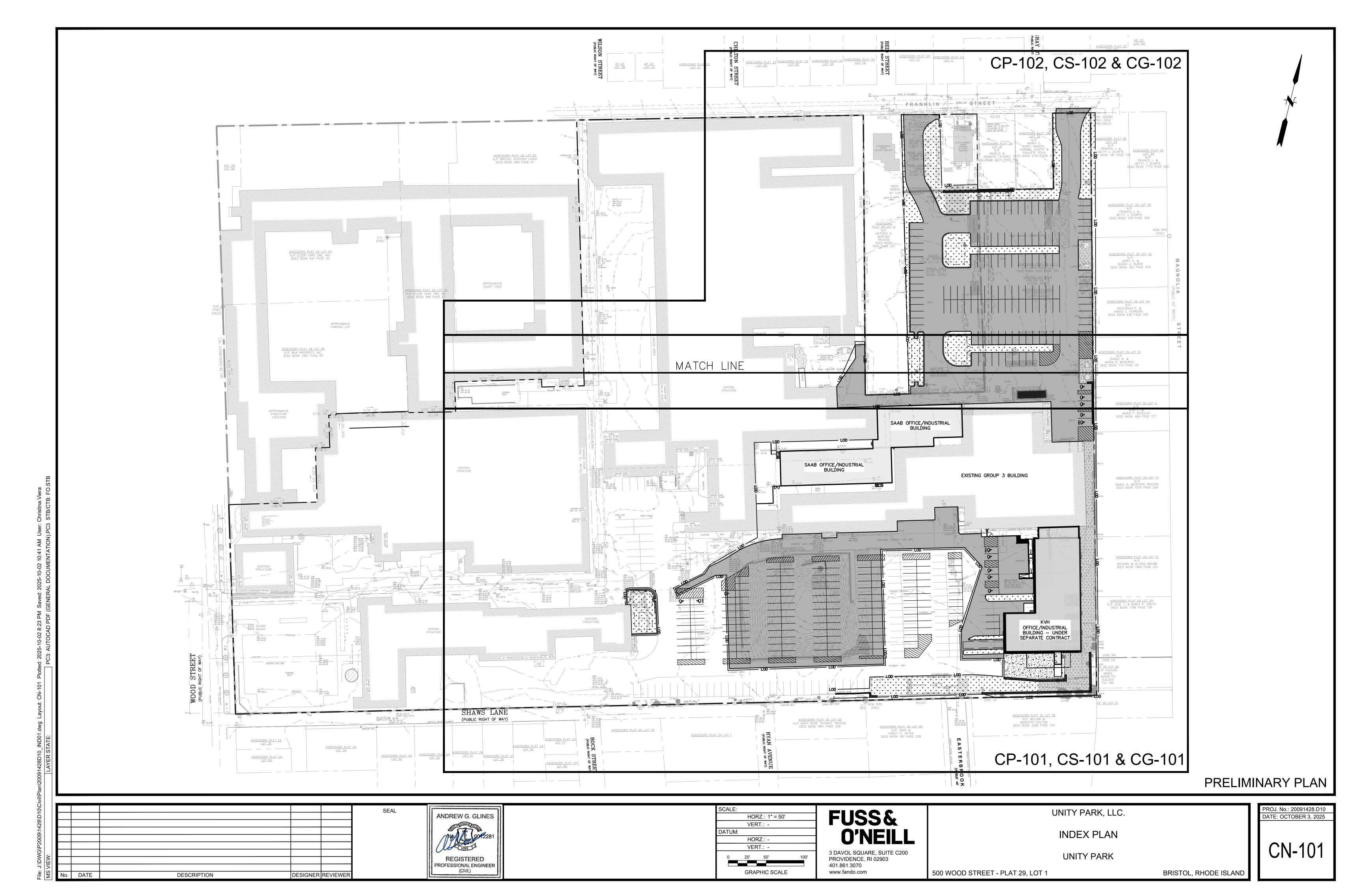
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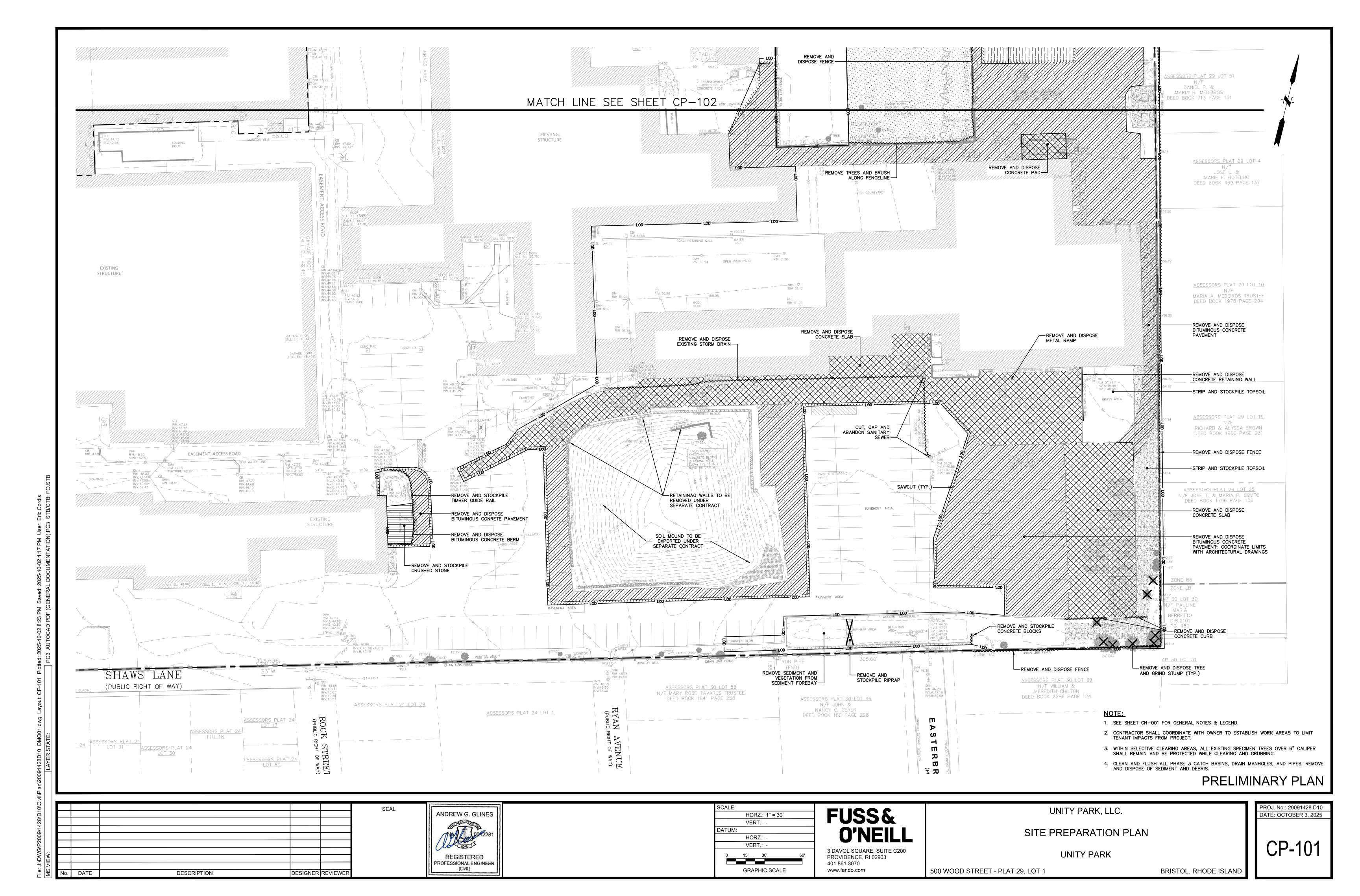
PROJ. No.: 20091428.D10

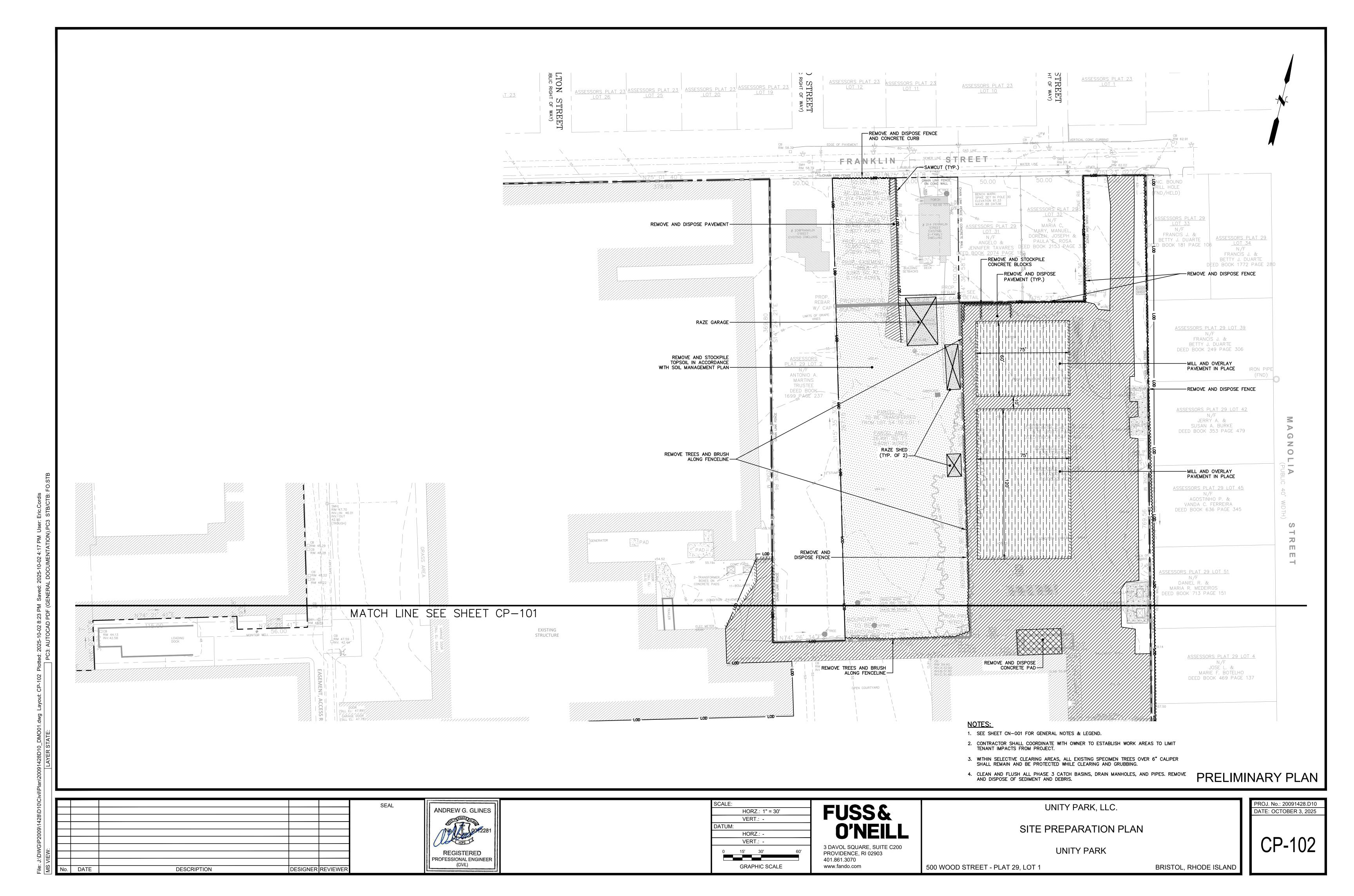
DATE: OCTOBER 3, 2025

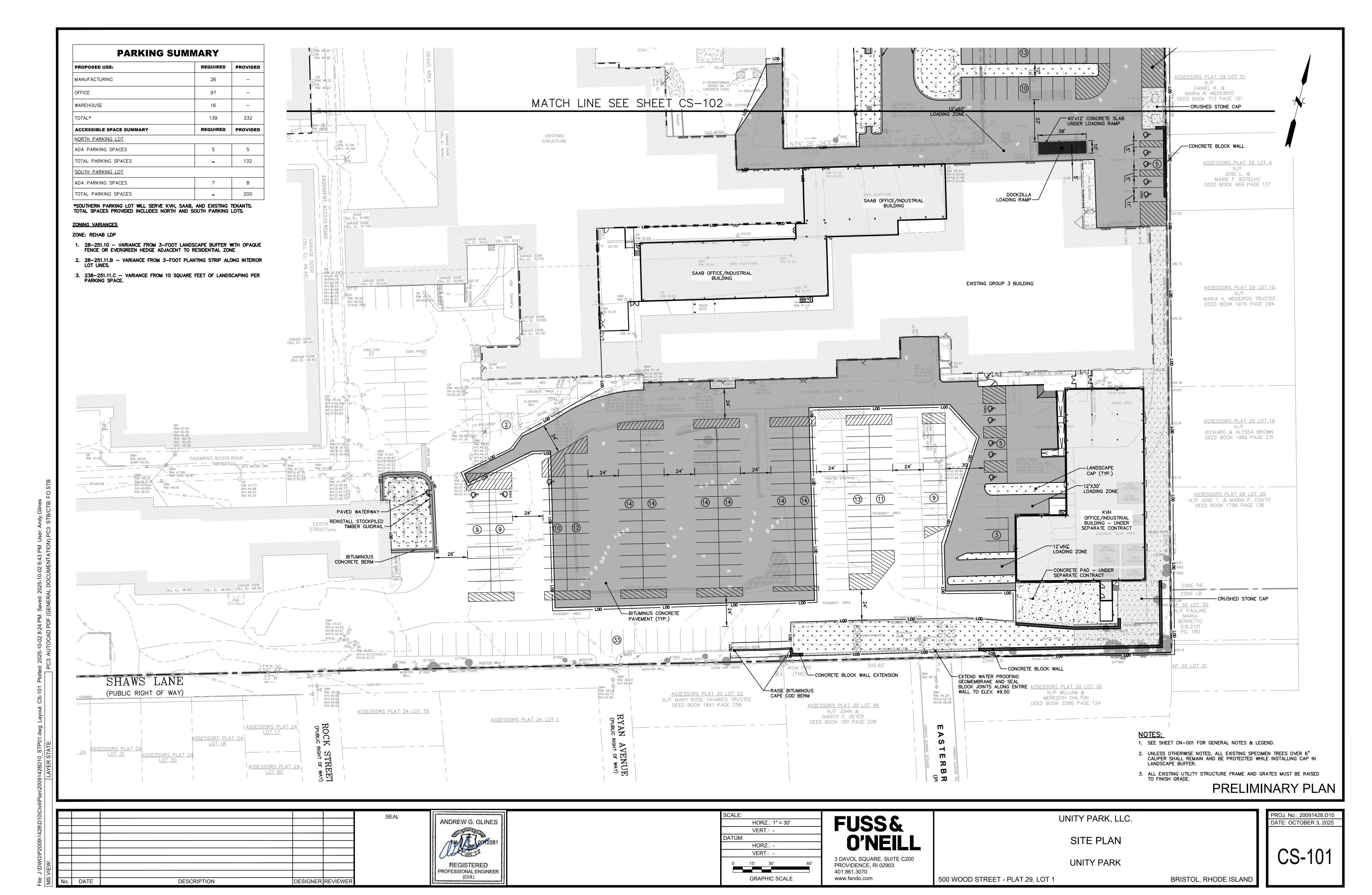
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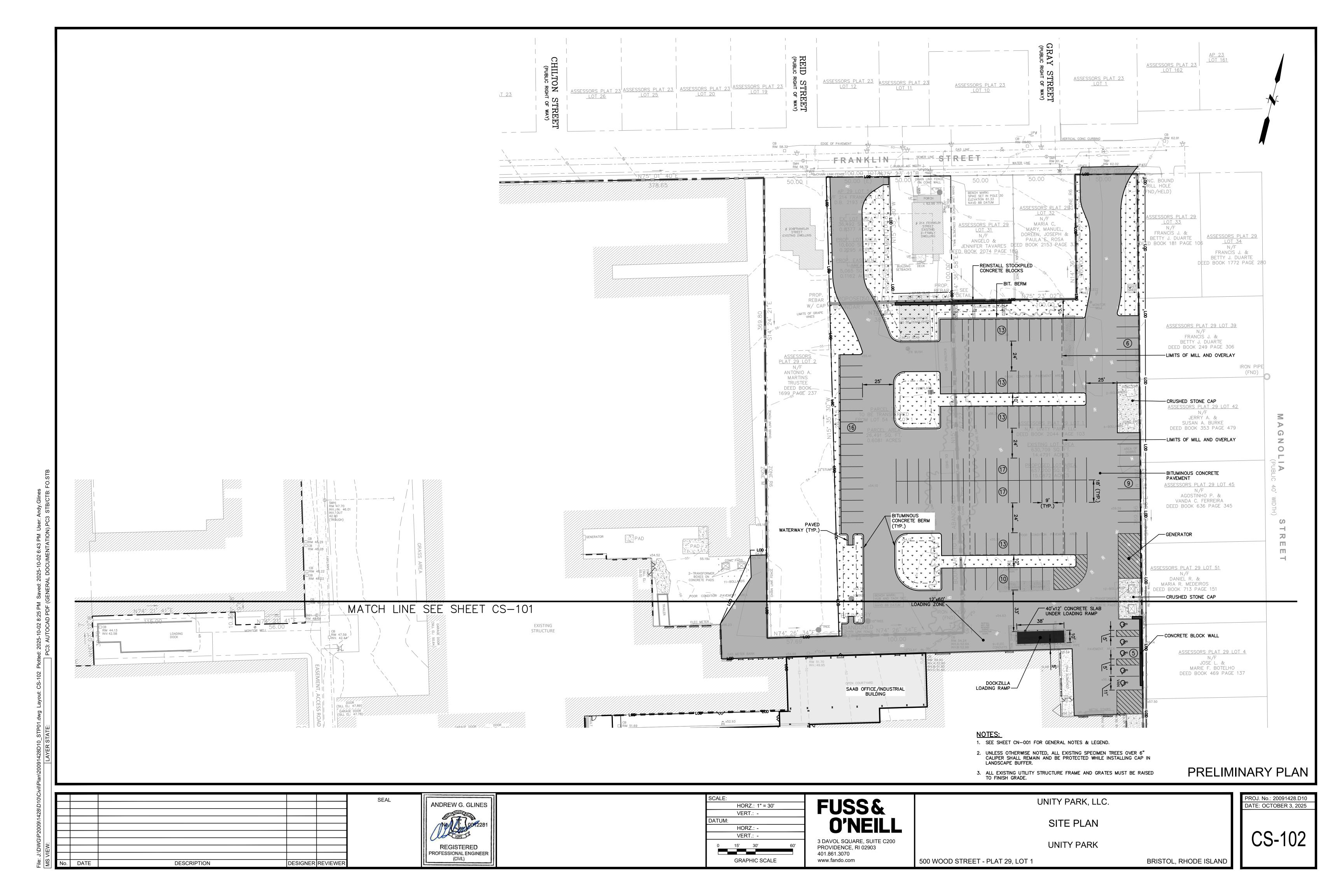
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500 WOOD STREET - PLAT 29, LOT 1

BRISTOL, RHODE ISLAND

GRAPHIC SCALE

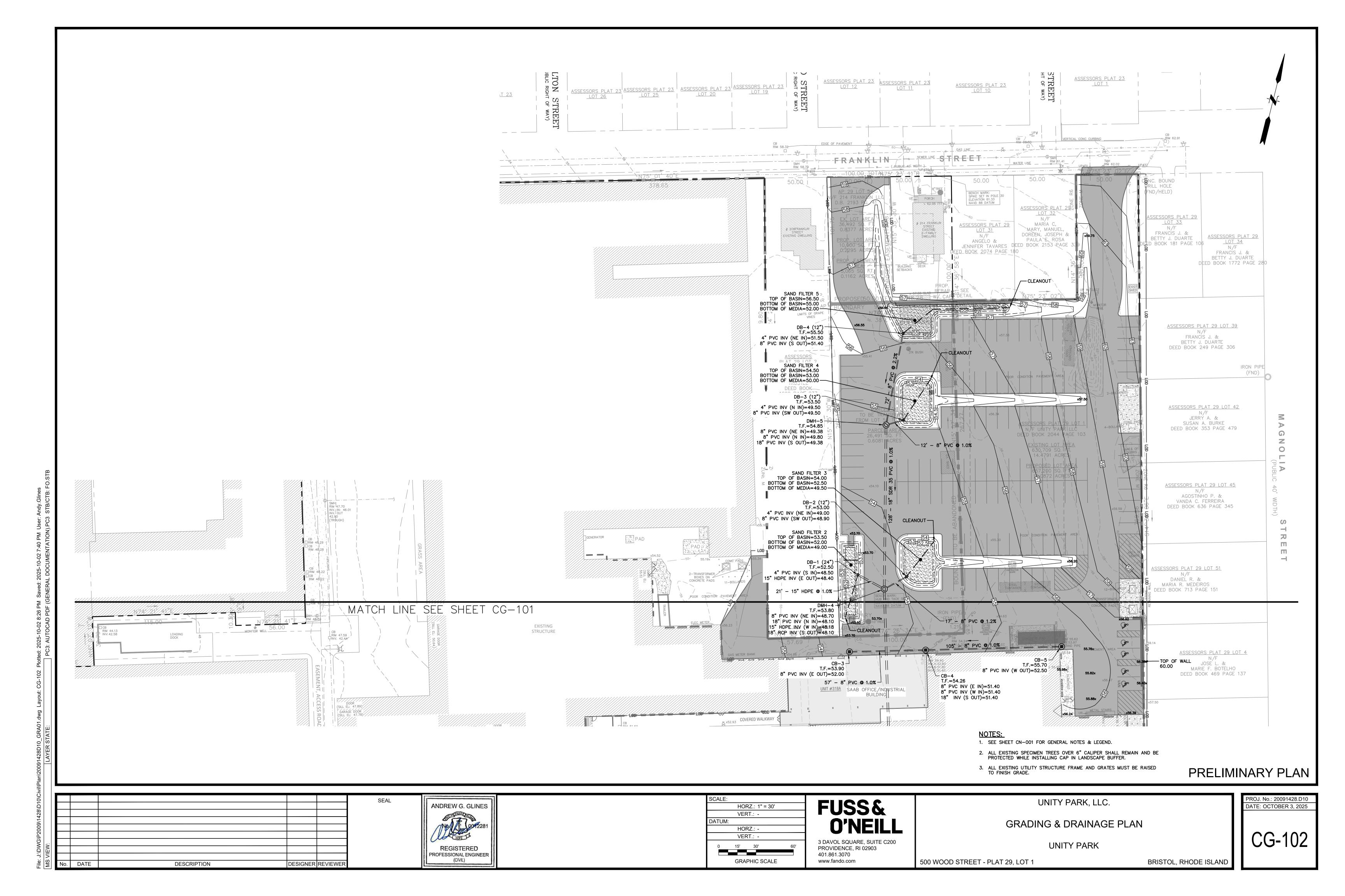
PROFESSIONAL ENGINEER

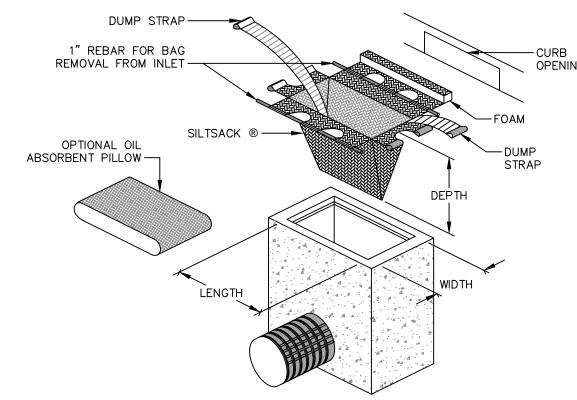
(CIVIL)

No. DATE

DESCRIPTION

DESIGNER REVIEWER





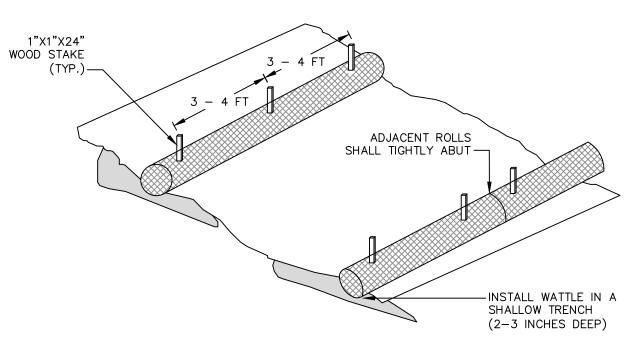
INLET PROTECTION NOTES:

 CONTRACTOR SHALL MEASURE CATCH BASIN DIMENSIONS AND PROVIDE APPROPRIATELY—SIZED DEVICES PER MANUFACTURER'S REQUIREMENTS.

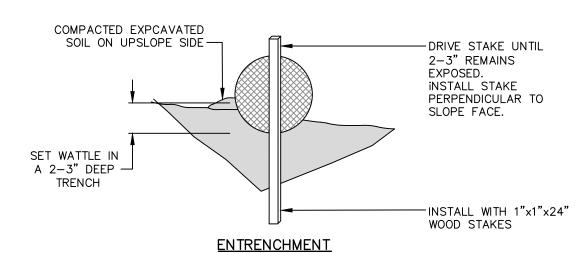
- 2. INSTALL INLET PROTECTION IN CATCH BASIN BEFORE COMMENCING ANY ROADWORK.
- 3. GRATE TO BE PLACED OVER INLET PROTECTION.
- 4. INLET PROTECTION SHALL BE INSPECTED
 PERIODICALLY AND AFTER ALL STORM EVENTS.
 CLEANING OR REPLACEMENT SHALL BE PERFORMED
 PROMPTLY AS NEEDED. MAINTAIN UNTIL DISTURBED
 AREAS HAVE BEEN PERMANENTLY STABILIZED WITH

CATCH BASIN INLET PROTECTION

NOT TO SCALE



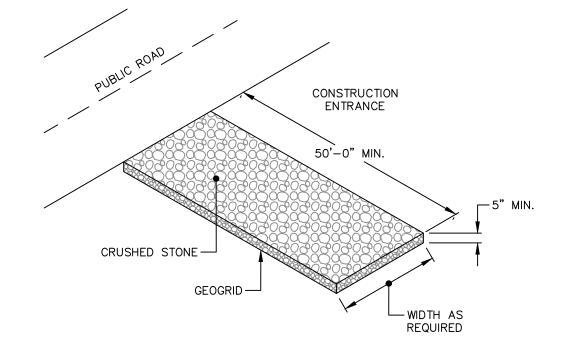
TYPICAL WATTLE INSTALLATION GUIDE



- 1. WATTLES SHALL BE INSTALLED AT LOCATIONS AS INDICATED ON THE DRAWINGS.
- 2. WATTLES SHALL BE TRENCHED APPROXIMATE 2-3 INCHES AND STAKED SUCH THAT WATTLES DIRECTLY CONTACT SOIL AND PRECLUDE UNDERMINING OR BLOWOUTS. THE TRENCH SHALL BE APPROXIMATELY 9 INCHES WIDE. STAKES SHALL BE DRIVEN THROUGH THE CENTER OF THE WATTLE AT A SPACING OF 3-4 FEET ON CENTER AND NO GREATER THAN 6"FROM THE EACH END OF THE WATTLE. COMPACT SOIL EXCAVATED TO CREATE TRENCH ON UPHILL SIDE SIDE.
- 3. ENDS OF ADJACENT WATTLES SHALL BE TIGHTLY BUTTED OR OVERLAPPED SO THAT NO OPENING EXISTS FOR WATER TO PASS THROUGH. WATTLES SHALL BE FREE OF DAMAGE OR DEFECTS WHEN DELIVERED TO THE SHIPPER. NO VEHICLES SHALL BE DRIVEN OVER WATTLES.
- 4. WATTLES SHALL BE 12—INCH SEDIMAX—SW12™ MANUFACTURED BY NORTH AMERICAN GREEN, OR APPROVED EQUAL.

WATTLES (12-INCH)

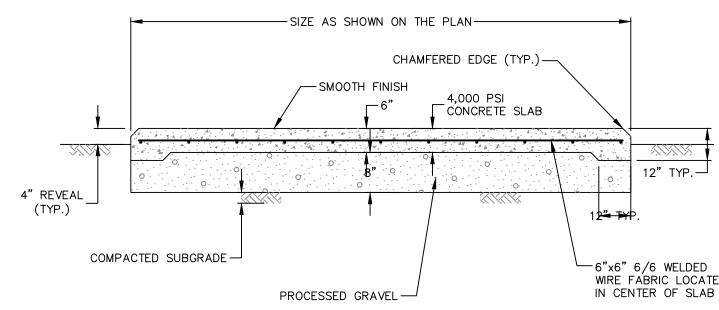
NOT TO SCALE



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

CONSTRUCTION ACCESS (R.I. STD. 9.9.0)

NOT TO SCALE



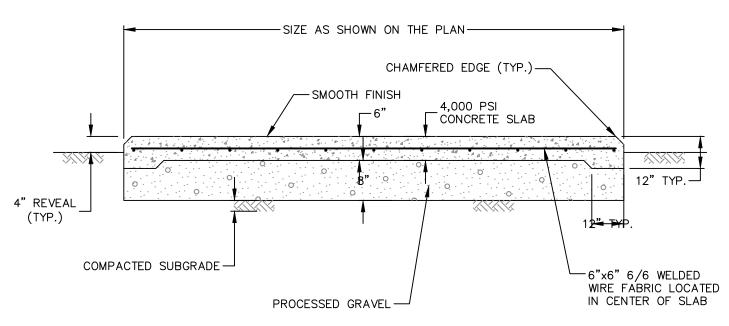
NOTE:

1. TYPICAL SLAB SECTION APPLIES TO DUMPSTER AND MISC.

1. TYPICAL SLAB SECTION APPLIES TO DUMPSTER AND MISC. MECHANICAL PADS UP TO 12'x12'. SEE PLANS FOR PAD SIZE AND LOCATION.

2. VERIFY PAD SIZE WITH MEP PLANS AND SPECIFICATIONS.

NOT TO SCALE



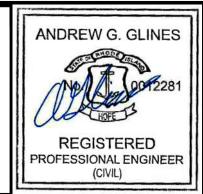
CONCRETE EQUIPMENT PAD

PRELIMINARY PLAN

PROJ. No.: 20091428.D10

DATE: OCTOBER 3, 2025

DESCRIPTION DESIGNER REVIEWER No. DATE





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UNITY PARK, LLC. **DETAILS**

UNITY PARK

CD-501

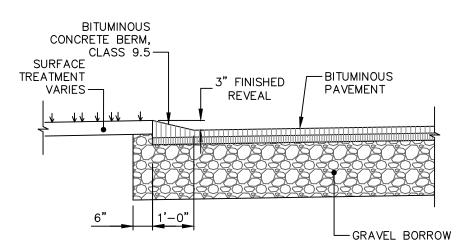
500 WOOD STREET - PLAT 29, LOT 1

BRISTOL, RHODE ISLAND

- 1. UNSUITABLE MATERIAL WITHIN THE BASE COURSE SHALL BE REMOVED AND REPLACED WITH GRAVEL BORROW.
- 2. AREAS OF NEW PAVEMENT SHALL BE INSTALLED WITH GRAVEL BORROW BASE MEETING M.01.09, TABLE 1, COLUMN 1.

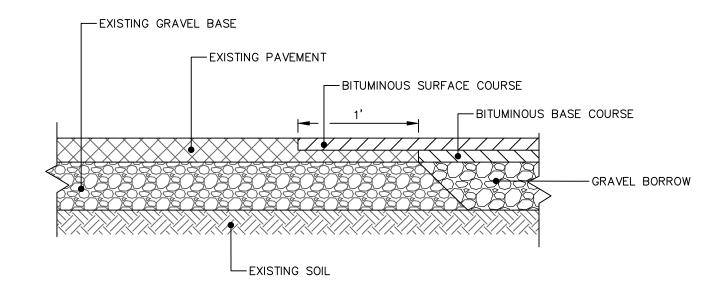
BITUMINOUS PAVEMENT CAP

NOT TO SCALE



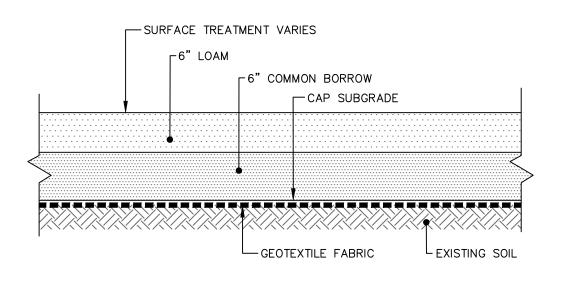
BITUMINOUS CONCRETE BERM (R.I. STD. 7.5.1)

NOT TO SCALE



SAWCUT AND MATCH PAVEMENT

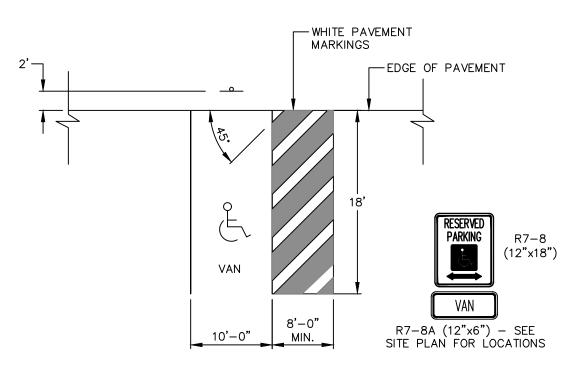
NOT TO SCALE



GEOTEXTILE FABRIC SHALL BE NON-WOVEN FILAMENT POLYPROPYLENE WITH MINIMUM PUNCTURE STRENGTH OF 120 POUNDS.

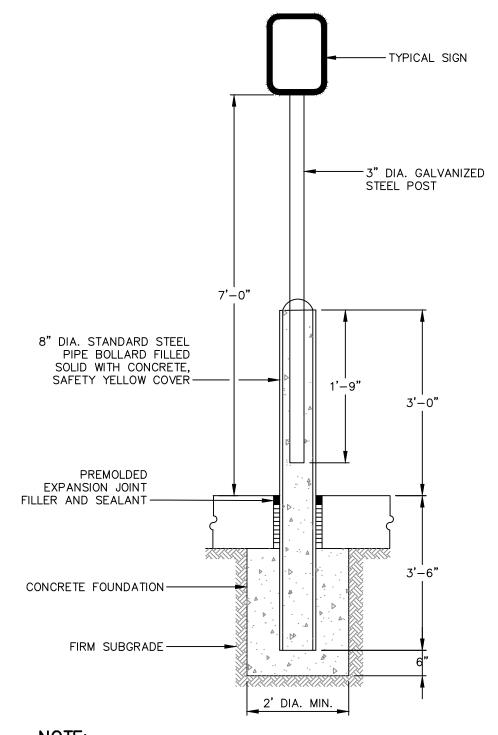
LANDSCAPE CAP

NOT TO SCALE



ACCESSIBLE PARKING STALL

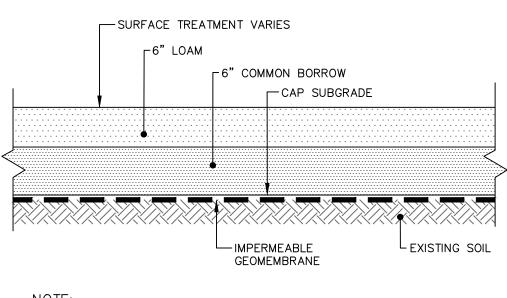
NOT TO SCALE



NOTE: CONCRETE SHALL BE CLASS XX IN ACCORDANCE WITH RIDOT STANDARD SPECIFICATIONS.

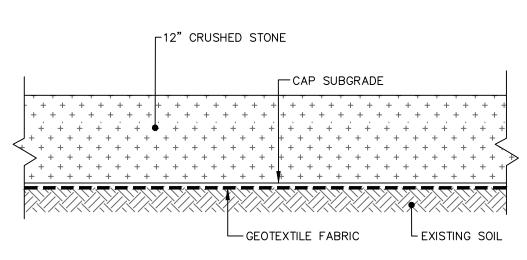
SIGN BASE

NOT TO SCALE



GEOMEMBRANE SHALL BE 30 MILS, ULTRAVIOLET RESISTANT.

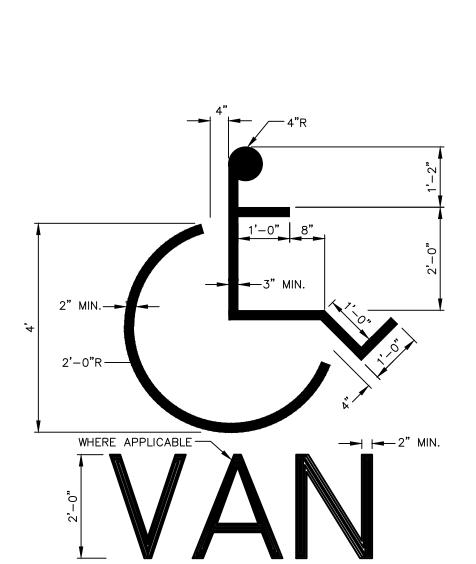
IMPERVIOUS LANDSCAPE CAP



- 1. GEOTEXTILE FABRIC SHALL BE NON-WOVEN FILAMENT POLYPROPYLENE WITH A MINIMUM PUNCTURE STRENGTH OF 120 POUUNDS.
- 2. CRUSHED STONE SHALL BE WASHED 1-2" DIAMETER STONE.
- 3. REUSE STOCKPILED CLEAN CRUSHED STONE.

STONE CAP

NOT TO SCALE

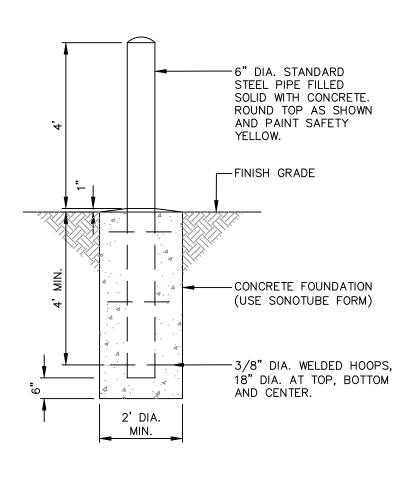


NOTE:

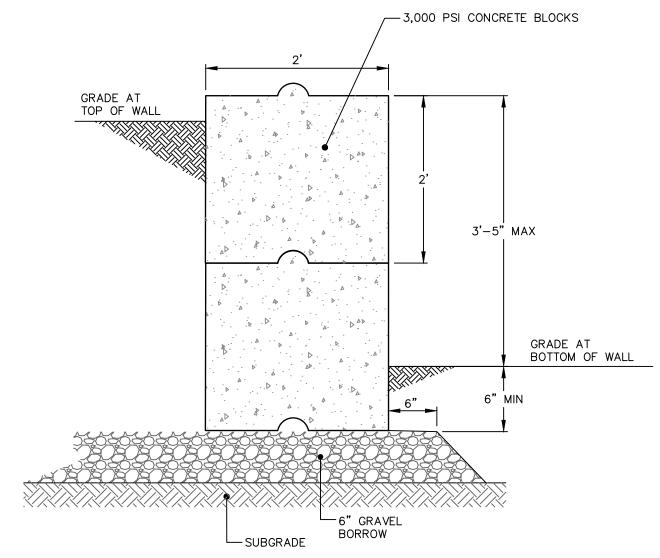
SYMBOL SHALL BE CENTERED IN THE PARKING STALL.

VAN ACCESSIBLE SYMBOL

NOT TO SCALE



BOLLARD NOT TO SCALE

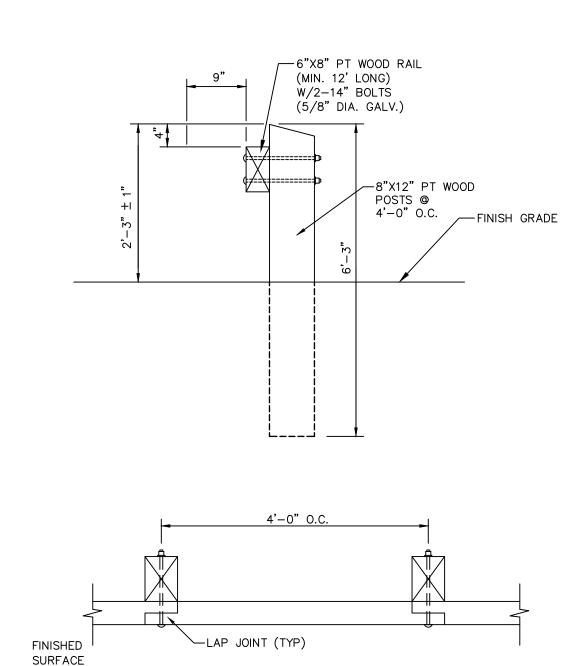


NOTE:

- DELEGATED—DESIGN BY CONTRACTOR.
- 2. 3.5' MAX HEIGHT OF WALL.
- 3. WALL ESTHETICS SHALL BE APPROVED BY OWNER.

CONCRETE BLOCK WALL

NOT TO SCALE

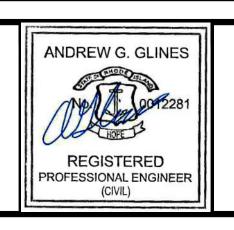


TIMBER GUIDE RAIL

NOT TO SCALE

PRELIMINARY PLAN

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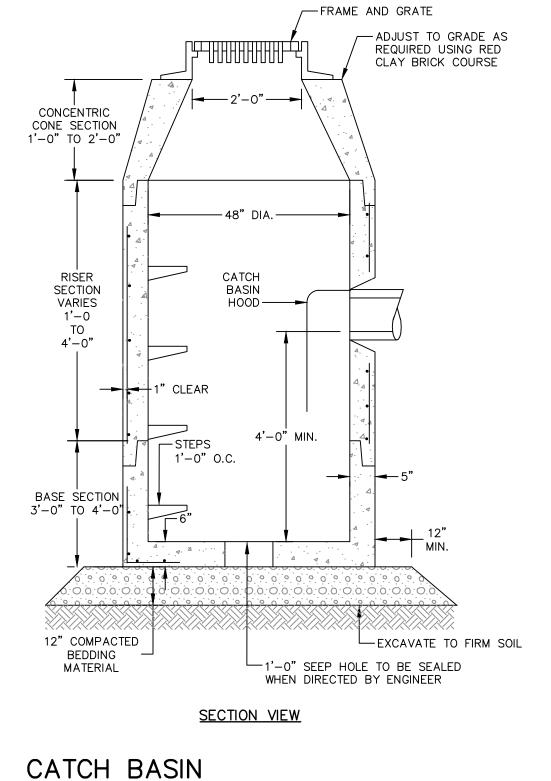
UNITY PARK, LLC.

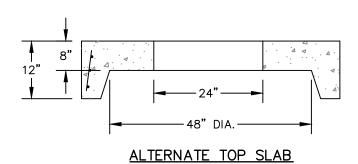
UNITY PARK

DETAILS

500 WOOD STREET - PLAT 29, LOT 1 BRISTOL, RHODE ISLAND

PROJ. No.: 20091428.D10 DATE: OCTOBER 3, 2025 CD-502

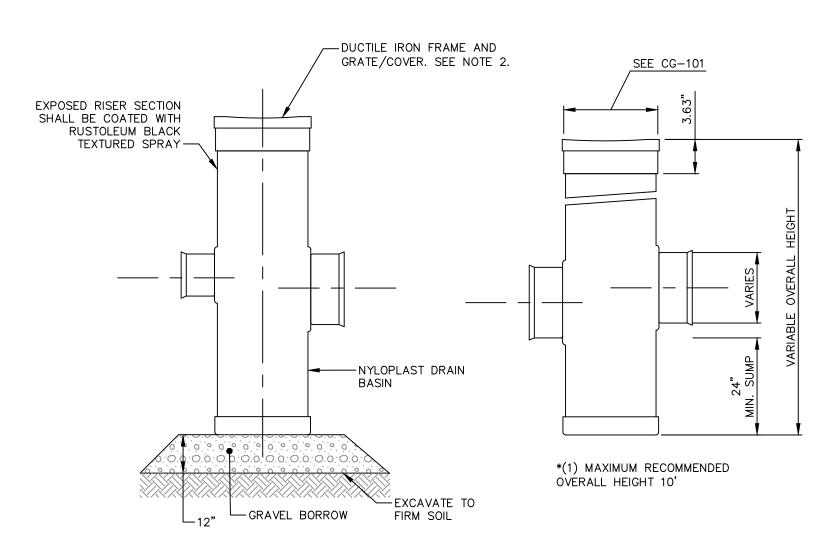




1. FRAME AND GRATE SHALL BE R.I. STD. 6.3.0 OR APPROVED EQUAL.

(STEEL REINFORCED FOR HS-25 LOADING)

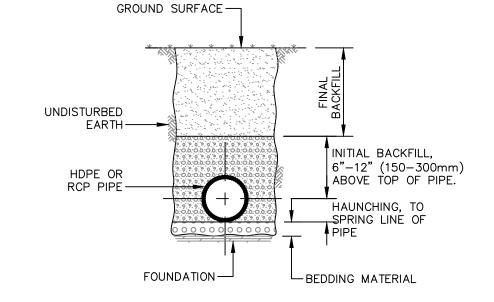
- 2. FRAMES SHALL BE SET IN FULL BED OF MORTAR. ADJUST TO GRADE WITH RED CLAY BRICKS AND
- REINFORCING STEEL SHALL CONFORM TO ASTM A-185: - 0.12 SQ. IN./LIN. FT. CIRCUMFERENTIAL 0.18 SQ. IN./FT. (BOTH WAYS) BASE BOTTOM
- 4. CONCRETE SHALL BE COMPRESSIVE STRENGTH 4,000 PSI TYPE II CEMENT.
- 5. ONE POUR MONOLITHIC BASE SECTION.
- 6. PROVIDE "V" KNOCKOUTS FOR PIPES WITH 2" MAX. CLEARANCE TO OUTSIDE OF PIPE. MORTAR ALL PIPE
- 7. JOINT SEALANT SHALL BE PREFORMED BUTYL RUBBER MASTIC TYPE SEAL THAT COMPLIES WITH AASHTO M198 OR SYNTHETIC RUBBER GASKET THAT COMPLIES WITH ASTM C-443 OR C-361.
- 8. CATCH BASIN DESIGN SHALL CONFORM TO ASTM C-478 FOR "PRECAST REINFORCED CONCRETE MANHOLE SECTION.
- 9. CATCH BASIN STEPS SHALL BE ASTM A 615/A615M, DEFORMED, 1/2-INCH STEEL REINFORCED RODS ENCASED IN ASTM D 4101, POLYPROPYLENE PLASTIC. THE CENTERLINE OF OPENING MUST BE WITHIN 2'-0" FROM STEPS.
- 10. 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.



- 1. SEE DRAINAGE AND GRADING PLAN FOR DRAIN DIAMETER, PIPE SIZE, PIPE, MATERIAL, AND INVERTS.
- 2. SEE GRADING AND DRAINAGE PLAN FOR GRATE/COVER TYPE. - SOLID COVER SHALL BE H-20 RATED, WITH LETTERING "DRAIN"
- 3. GRAVEL BORROW SHALL BE COMPACTED TO 95-PERCENT MODIFIED PROCTOR.

DRAIN BASIN

NOT TO SCALE



NOTES:

- FOUNDATION: WHERE THE TRENCH BOTTOM IS UNSTABLE, THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH A FOUNDATION OF CLASS I OR II MATERIAL AS DEFINED IN ASTM D2321, "STANDARD PRACTICE FOR INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY-FLOW APPLICATIONS," LATEST EDITION; AS AN ALTERNATIVE AND AT THE DISCRETION OF THE ENGINEER, THE TRENCH BOTTOM MAY BE STABILIZED USING A WOVEN GEOTEXTILE FABRIC.
- 2. <u>BEDDING</u>: SUITABLE MATERIAL SHALL BE CLASS I, II, OR III AND INSTALLED AS REQUIRED IN ASTM D2321, LATEST EDITION. UNLESS OTHERWISE SPECIFIED BY THE ENGINEER, MINIMUM BEDDING THICKNESS SHALL BE 4" (100MM) FOR 4"-24" (100-600MM) AND 42"-48" (1050-1200MM) CORRUGATED POLYETHYLENE PIPE (CPEP); 6" (150MM) FOR 30"-36" (750-900MM) CPEP.
- HAUNCHING AND INITIAL BACKFILL: SUITABLE MATERIAL SHALL BE CLASS I, II, OR III AND INSTALLED AS REQUIRED IN ASTM D2321, LATEST EDITION.

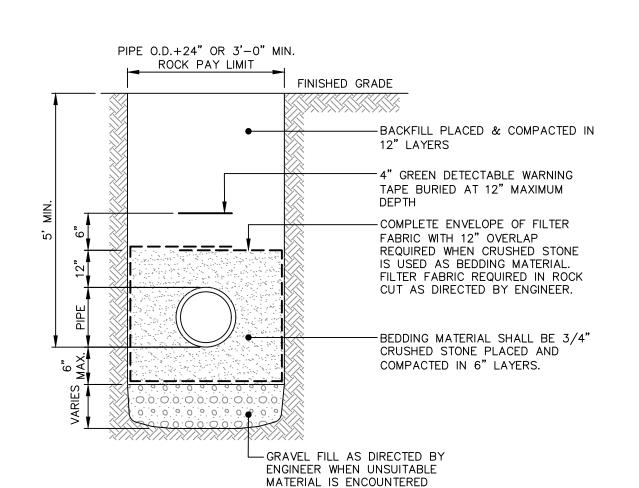
4. UNLESS OTHERWISE SPECIFIED BY THE ENGINEER, MINIMUM TRENCH WIDTHS SHALL BE AS FOLLOWS:

MIN. RECOMMENDED TRENCH WIDTH, in (mm) in (mm) 4 (100) 21 (530) 6 (150) 23 (580) 8 (200) 10 (250) 25 (630) 28 (710) 31 (790)

12 (300) 15 (375) 34 (860) 18 (450) 39 (990) 24 (600) 48 (1220) 30 (750) 66 (1680) 36 (900) 78 (1980) 42 (1050) 83 (2110) 48 (1200) 89 (2260) 60 (1500) 102 (2590)

STORM DRAIN TRENCH

NOT TO SCALE



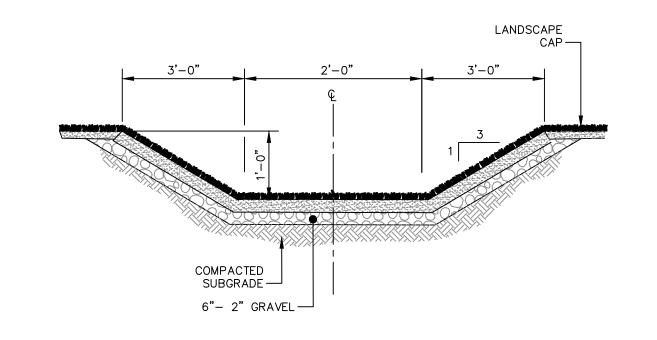
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NOTES:

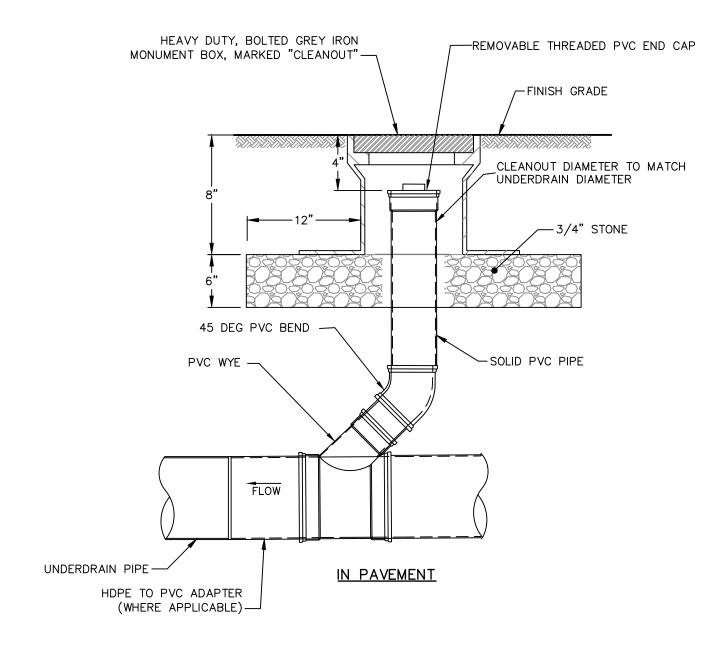
- 1. SEWER TO BE INSULATED WITH 2" RIGID FOAM WHEN LESS THAN 4' COVER IS
- 2. IN AREAS OF WETLAND INSTALLATION, THE FOLLOWING IS REQUIRED TO MINIMIZE WETLAND DISTURBANCE: ALL EQUIPMENT AND MATERIALS SHALL BE KEPT A MINIMUM OF 10 FEET

OUTSIDE OF WETLAND AREAS. EQUIPMENT STAGING AREAS, LAUNCH PITS, AND RECEIVING PITS SHALL BE LOCATED A MINIMUM OF 10 FEET OUTSIDE OF ALL WETLAND AREAS. BEDDING MATERIAL SHALL NOT BE USED IN WETLAND AREAS. THE SEWER LINE SHALL BE SLEEVED IN CONTINUOUS HDPE PIPE TO EASE PIPELINE MAINTENANCE

TYPICAL SEWER TRENCH NOT TO SCALE



GRASS CHANNEL NOT TO SCALE

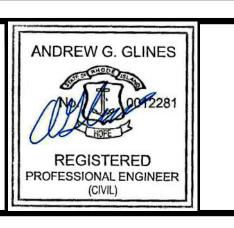


UNDERDRAIN CLEANOUT

NOT TO SCALE

PRELIMINARY PLAN

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DETAILS

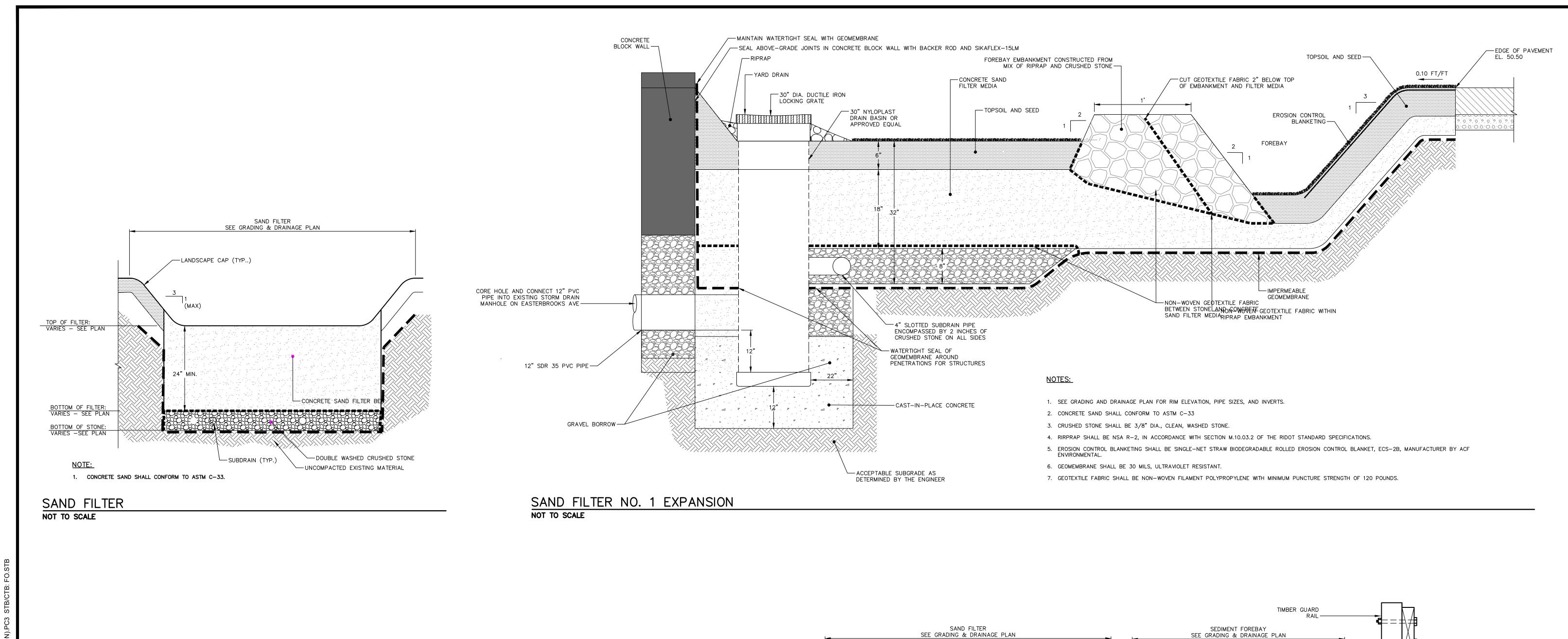
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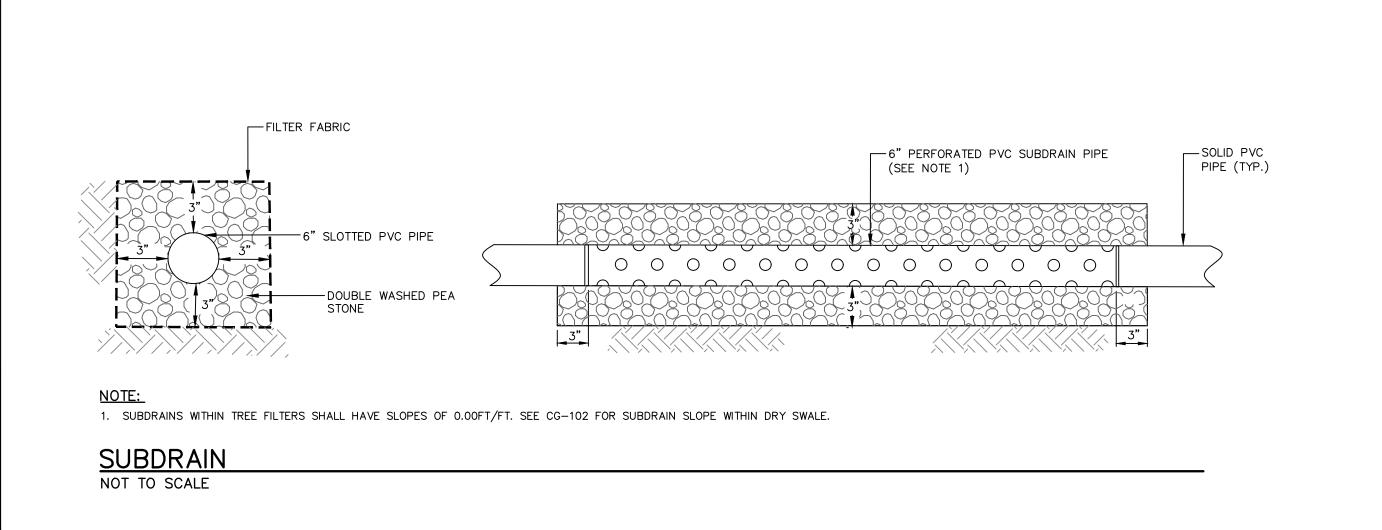
CD-503

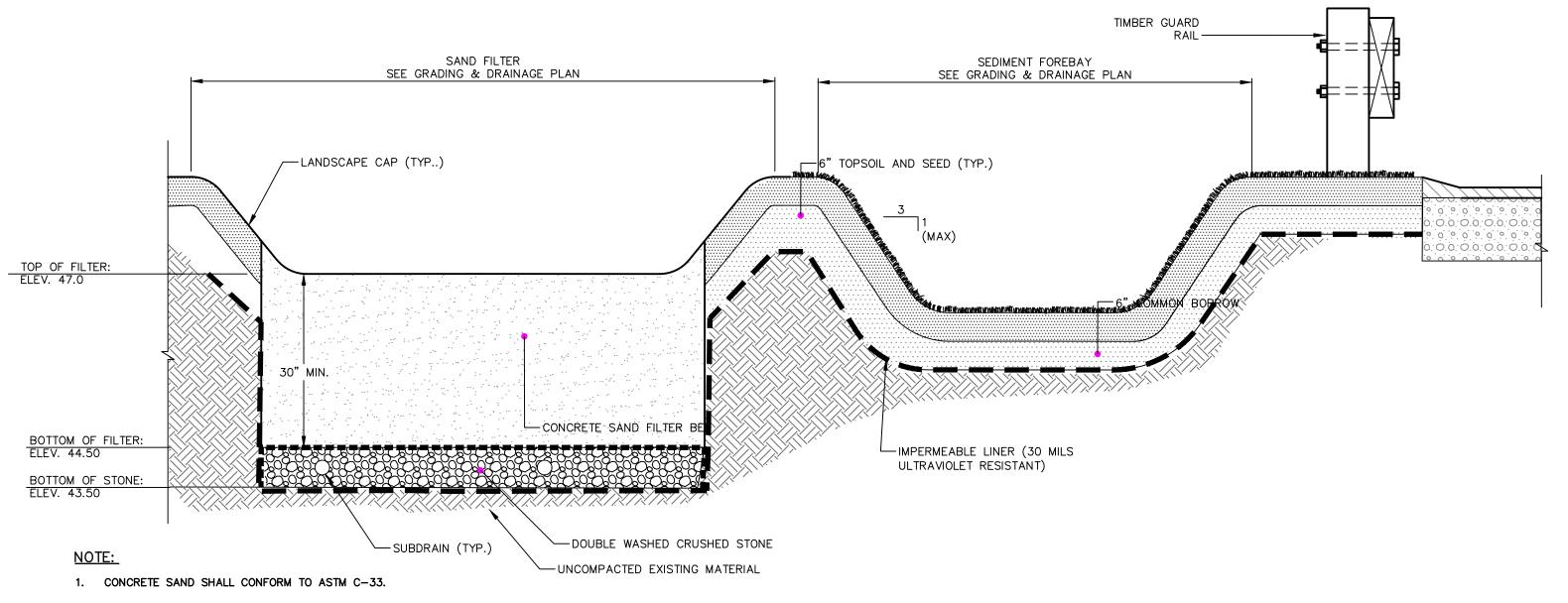
PROJ. No.: 20091428.D10

DATE: OCTOBER 3, 2025

500 WOOD STREET - PLAT 29, LOT 1 BRISTOL, RHODE ISLAND







SAND FILTER NO. 5 EXPANSION NOT TO SCALE

PRELIMINARY PLAN

PROJ. No.: 20091428.D10 DATE: OCTOBER 3, 2025

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2009/142		No. 12281	DATUM: HORZ.: - O'NEILL	DETAILS
DWG\P2		REGISTERED	VERT.: - 3 DAVOL SQUARE, SUITE C200 PROVIDENCE, RI 02903	UNITY PARK
File: J:\ MS VI	No. DATE DESCRIPTION DESIGNER REVIEWER	PROFESSIONAL ENGINEER (CIVIL)	401.861.3070 www.fando.com	500 WOOD STREET - PLAT 29, LOT 1 BRISTOL, RHODE ISLAND