

GENERAL DEMOLITION NOTES:

- 1. ALL CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO SUBMITTING A BID, AND SHALL BE ADJUSTED IF NECESSARY. BASE MAP AND BOUNDARY INFORMATION SHOWN HEREON TAKEN FROM A PLAN ENTITLED 'ALTAINSPS LAND TITLE SURVEY PLAN' PREPARED BY KELLY ENGINEERING GROUP, 0 CAMPANELLI DRIVE, BRAINTREE, MASSACHUSETTS, DATED 11/22/2021, SIGNED 02/22/2022.
2. CONTRACTOR IS RESPONSIBLE TO CALL DIG SAFE 811 FOR UTILITY MARK OUT PRIOR TO ANY EXCAVATION.
3. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ANY EXISTING SITE IMPROVEMENTS AND UTILITIES. ALL DISCREPANCIES SHALL BE IDENTIFIED TO THE ENGINEER IN WRITING PRIOR TO COMMENCEMENT OF CONSTRUCTION.
4. ALL DEMOLITION SHALL BE PERFORMED IN STRICT ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS.
5. DEMOLITION SHALL PROCEED FROM THE TOP OF THE STRUCTURE TO THE GROUND.
6. ALL DEMOLITION WORK SHALL BE COMPLETED ON A GIVEN FLOOR OF A BUILDING BEFORE ANY STRUCTURAL ELEMENTS OF THE LOWER FLOORS ARE DISTURBED.
7. CONCRETE AND MASONRY SHALL BE DEMOLISHED IN SMALL SECTIONS.
8. STRUCTURAL MEMBERS SHALL BE REMOVED AND LOWERED TO THE GROUND USING HOISTS, DERRICKS, AND/OR OTHER INDUSTRY-ACCEPTED METHODS.
9. CONCRETE SLABS-ON-GRADE SHALL BE BROKEN UP UNLESS OTHERWISE DIRECTED.
10. DEMOLITION EQUIPMENT SHALL BE LOCATED SPARSELY THROUGHOUT THE STRUCTURE AND MATERIALS REMOVED IN A MANNER TO AVOID THE IMPOSITION OF EXCESSIVE LOADS ON REMAINING STRUCTURAL ELEMENTS.
11. INTERIOR AND EXTERIOR SHORING, BRACING, AND/OR SUPPORTS SHALL BE PROVIDED TO PREVENT MOVEMENT, SETTLEMENT, AND COLLAPSE OF STRUCTURES TO BE DEMOLISHED AND ADJACENT FACILITIES.
12. ALL FOUNDATION WALLS, FOOTINGS, AND OTHER MATERIALS WITHIN THE FOOTPRINT OF THE FUTURE STRUCTURE SHALL BE DEMOLISHED. ALL OTHER FOUNDATION SYSTEMS SHALL BE DEMOLISHED TO A DEPTH OF NO LESS THAN TWELVE (12) INCHES BELOW THE GRADE OF PROPOSED PAVEMENT. BASEMENT FLOOR SLABS SHALL BE BROKEN. ALL OPEN UTILITY LINES SHALL BE SEALED WITH CONCRETE.
13. COVERED PASSAGEWAYS SHALL BE ERRECTED ADJACENT TO AREAS OF DEMOLITION TO PROVIDE SAFE PASSAGE TO PEDESTRIANS. ALL DEMOLITION OPERATIONS SHALL BE PERFORMED TO PREVENT DAMAGE TO STRUCTURES AND ADJACENT BUILDINGS, AND INJURY TO PERSONS.
14. EXPLOSIVES SHALL NOT BE USED WITHOUT PRIOR WRITTEN CONSENT OF OWNER AND AUTHORITIES HAVING JURISDICTION.
15. DEMOLITION SHALL BE PERFORMED TO MINIMIZE INTERFERENCE WITH ROADS, STREETS, WALKS, AND OTHER WAYS. ROADS, STREETS, WALKS, AND OTHER WAYS SHALL NOT BE CLOSED WITHOUT PRIOR WRITTEN CONSENT OF OWNER AND AUTHORITIES HAVING JURISDICTION. ALTERNATE TRAVEL ROUTES SHALL BE PROVIDED AROUND CLOSED OR OBSTRUCTED WAYS IF REQUIRED BY AUTHORITIES HAVING JURISDICTION.
16. WATERING, TEMPORARY ENCLOSURES, AND/OR OTHER APPROPRIATE METHODS SHALL BE EMPLOYED AS NECESSARY TO MINIMIZE THE AMOUNT OF DUST LEAVING THE DEMOLITION SITE. ADJACENT IMPROVEMENTS SHALL BE CLEANED OF ALL DUST AND DEBRIS CAUSED BY DEMOLITION OPERATIONS. ALL ADJACENT AREAS SHALL BE RETURNED TO THE CONDITIONS IN EXISTENCE AT THE COMMENCEMENT OF WORK.
17. DEMOLITION SHALL BE PERFORMED TO PREVENT UNAUTHORIZED ENTRY OF ANY PERSONS TO THE SITE AT ANY TIME.
18. BELOW GRADE AREAS AND VOIDS RESULTING FROM DEMOLITION OF STRUCTURES AND FOUNDATIONS SHALL BE FILLED WITH SOIL MATERIALS CONSISTING OF STONE, GRAVEL, AND SAND, FREE FROM DEBRIS, TRASH, FROZEN MATERIALS, ROOTS, AND OTHER ORGANIC MATTER. STONES LARGER THAN SIX (6) INCHES IN DIMENSION SHALL NOT BE USED. DEMOLITION MATERIALS MAY NOT BE USED AS FILL. AREAS TO BE FILLED SHALL BE FREE STANDING WATER, FROST, FROZEN MATERIAL, TRASH, AND DEBRIS PRIOR TO FILLING. FILL MATERIALS SHALL BE PLACED IN HORIZONTAL LAYERS NOT EXCEEDING SIX (6) INCHES IN LOOSE DEPTH, AND EACH COMPACTED TO 95% OPTIMUM DRY DENSITY. THE SURFACE SHALL BE GRADED TO MEET ADJACENT CONTOURS AND TO PROVIDE ADEQUATE SURFACE DRAINAGE AWAY FROM FILL AREA.
19. ALL DEBRIS, RUBBISH, SALVAGEABLE ITEMS, AND HAZARDOUS AND COMBUSTIBLE MATERIALS SHALL BE REMOVED FROM THE SITE AT THE EARLIEST POSSIBLE TIME. MATERIALS TO BE REMOVED MAY NOT BE STORED, SOLD, OR BURNED ON SITE. HAZARDOUS AND COMBUSTIBLE MATERIALS SHALL BE REMOVED IN CONFORMANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS, AND PROCEDURES ENFORCED BY THE FIRE DEPARTMENT AND OTHER AUTHORITIES HAVING JURISDICTION.
20. ALL UTILITIES SERVICING STRUCTURES TO BE DEMOLISHED SHALL BE DISCONNECTED, SHUT OFF, AND SEALED IN CONCRETE PRIOR TO THE COMMENCEMENT OF DEMOLITION. ALL UTILITY, DRAINAGE, AND SANITARY LINES SHALL BE MARKED FOR POSITION PRIOR TO DISCONNECTION, AND ALL ACTIVE LINES SHALL BE PROTECTED CONSISTENT WITH ACCEPTED INDUSTRY STANDARDS. ALL UTILITY SERVICES TO BE INTERRUPTED SHALL BE CLEARLY MARKED PRIOR TO DEMOLITION, AND ALL LOCAL UTILITY AGENCIES SHALL BE NOTIFIED TO ENSURE THE CONTINUATION OF SERVICE.
21. ALL EXISTING UTILITIES SHALL BE REMOVED, AS NECESSARY, IN ACCORDANCE WITH LOCAL UTILITY AGENCY REQUIREMENTS.
22. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SAFETY PRECAUTIONS NECESSARY.
23. TEMPORARY SEEDING TO BE IN ACCORDANCE WITH LOCAL AND STATE EROSION AND SEDIMENT CONTROL STANDARDS.

SITE PLAN NOTES:

- 1. PROPERTY:
434 ALLENS AVENUE
PROVIDENCE RI 02905
AREA: 500,145± SF (11.48± AC)
ZONING USE: W3 (PORT / MARITIME INDUSTRIAL WATERFRONT DISTRICT)
2. OWNER / APPLICANT:
RHODE ISLAND RECYCLED METALS
434 ALLENS AVENUE
PROVIDENCE, RI 02905
PHONE: (401) 461-9707
3. ENGINEER:
INDEPENDENCE ENGINEERING LLC
33 COMMERCIAL STREET
RAYNHAM, MA 02767
PHONE: (508) 245-2608
4. SURVEYOR:
CONECO ENGINEERS, SCIENTISTS & SURVEYORS
4 FIRST STREET
BRIDGEWATER, MA 02324
PHONE: (508) 697-3191
5. ALL CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO SUBMITTING A BID, AND SHALL BE ADJUSTED IF NECESSARY. NO ADDITIONAL COMPENSATION WILL BE AWARDED AFTER A BID AWARD FOR ANY EQUIPMENT, MATERIAL, OR LABOR REQUIRED TO MODIFY THE DESIGN TO MATCH FIELD CONDITIONS.
6. BASE MAP AND BOUNDARY INFORMATION SHOWN HEREON TAKEN FROM A PLAN ENTITLED 'ALTAINSPS LAND TITLE SURVEY PLAN' PREPARED BY KELLY ENGINEERING, OF 0 CAMPANELLI DRIVE, BRAINTREE, MA, DATED 09/02/2022, SIGNED 09/07/2022.
7. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE TO MAKE SURE THAT ALL REQUESTED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION OR FABRICATION SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED AND THOROUGHLY REVIEWED ALL PLANS AND OTHER DOCUMENTS PROVIDED BY ALL APPLICABLE PERMITTING AUTHORITIES.
8. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE REQUIREMENTS AND STANDARDS OF THE LOCAL GOVERNING AUTHORITY.
9. SITE CLEARING SHALL INCLUDE THE LOCATION AND REMOVAL OF ALL UNDERGROUND TANKS, PIPES, VALVES, ETC. CONTRACTOR SHALL REPAIR ANY DISTURBED AREAS TO EXISTING CONDITION, INCLUDING PAVED AREAS AND LANDSCAPED AREAS.
10. SOLID WASTE SHALL BE DISPOSED OF BY CONTRACTOR IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS.
11. ALL UNSUITABLE EXCAVATED MATERIAL SHALL BE TRANSPORTED TO AN APPROVED DISPOSAL LOCATION.
12. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SHORING REQUIRED DURING CONSTRUCTION. SHORING SHALL BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH CURRENT OSHA STANDARDS. CONTRACTOR SHALL MAKE SUFFICIENT ADDITIONAL PROVISIONS TO ENSURE STABILITY OF ALL CONTIGUOUS AND ADJACENT STRUCTURES, AS FIELD CONDITIONS MAY DICTATE.
13. CONTRACTOR AND ANY SUBCONTRACTORS SHALL CARRY STATUTORY WORKERS' COMPENSATION INSURANCE, EMPLOYERS' LIABILITY INSURANCE, AND COMMERCIAL GENERAL LIABILITY INSURANCE AT REQUIRED LIMITS OF COVERAGE. ALL CONTRACTORS SHALL HAVE CGL POLICIES ISSUED TO INCLUDE INDEPENDENCE ENGINEERING LLC, WITH ITS SUBCONSULTANTS LISTED AS ADDITIONAL INSURED. ALL CONTRACTORS MUST FURNISH INDEPENDENCE ENGINEERING LLC WITH CERTIFICATES OF INSURANCE PRIOR TO THE COMMENCEMENT OF WORK, AND UPON RENEWAL OF EACH POLICY DURING THE TERM OF CONSTRUCTION. CONTRACTOR SHALL INDEMNIFY AND HOLD HARMLESS INDEPENDENCE ENGINEERING LLC AND ITS SUBCONSULTANTS AGAINST ANY DAMAGES, LIABILITIES, OR COSTS, INCLUDING REASONABLE ATTORNEYS' FEES AND DEFENSE COSTS CONNECTED WITH THE PROJECT, INCLUDING ALL CLAIMS BY CONTRACTOR'S EMPLOYEES, TO THE FULLEST EXTENT PERMITTED BY LAW.
14. NEITHER THE PROFESSIONAL ACTIVITIES OF INDEPENDENCE ENGINEERING LLC NOR THE PRESENCE OF ITS EMPLOYEES AT THE PROJECT SITE SHALL RELIEVE THE CONTRACTOR OF ITS DUTIES, OBLIGATIONS, AND/OR RESPONSIBILITIES, INCLUDING BUT NOT LIMITED TO CONSTRUCTION MEANS, METHODS, SEQUENCING AND/OR PROTOCOLS NECESSARY FOR PERFORMING, COORDINATING, AND/OR SUPERINTENDING THE WORK IN ACCORDANCE WITH THE PROJECT DOCUMENTS AND APPLICABLE HEALTH AND SAFETY REGULATIONS. THE CONTRACTOR SHALL BEAR SOLE RESPONSIBILITY FOR SITE SAFETY PLANNING, PROVISIONING, IMPLEMENTATION, AND MAINTENANCE. INDEPENDENCE ENGINEERING LLC BEARS NO AUTHORITY TO EXERCISE CONTROL OVER CONTRACTOR OR ITS EMPLOYEES IN CONNECTION WITH CONSTRUCTION.
15. INDEPENDENCE ENGINEERING LLC SHALL REVIEW AND TAKE APPROPRIATE ACTION ON SUBMITTALS TO BE SUBMITTED BY CONTRACTOR PRIOR TO THE COMMENCEMENT OF CONSTRUCTION, INCLUDING BUT NOT LIMITED TO SHOP DRAWINGS, PRODUCT, DATA, AND MATERIAL SAMPLES. INDEPENDENCE ENGINEERING LLC SHALL REVIEW SUBMITTALS ONLY FOR CONSISTENCY WITH THE DESIGN DRAWINGS. SUBMITTALS SHALL NOT BE REVIEWED FOR CONSTRUCTION MEANS AND METHODS, COORDINATION OF TRADES, OR SITE SAFETY, WHICH ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. INDEPENDENCE ENGINEERING LLC SHALL NOT BE LIABLE FOR DEVIATIONS OR THE RESULTS THEREFROM FROM THE APPROVED CONSTRUCTION DRAWINGS, UNLESS SAID DEVIATIONS ARE PROVIDED IN WRITING BY THE CONTRACTOR PRIOR TO IMPLEMENTATION, AND APPROVED IN WRITING BY INDEPENDENCE ENGINEERING LLC.

SITE PLAN NOTES CONT'D:

- 16. THE CONTRACTOR SHALL NOT DEVIATE FROM THE PLANS AND SPECIFICATIONS, INCLUDING THE NOTES THEREON, WITHOUT PRIOR WRITTEN AUTHORIZATION FROM INDEPENDENCE ENGINEERING LLC AND THE PROJECT OWNER. SHOULD THE CONTRACTOR DEVIATE FROM THE APPROVED PROJECT DOCUMENTS, HE SHALL BEAR SOLE RESPONSIBILITY FOR FINES, PENALTIES, AND ALL OTHER DAMAGES AND REMEDIAL COSTS INCURRED THEREFROM. IN NO CASE SHALL THE CONTRACTOR SHALL INDEMNIFY AND HOLD INDEPENDENCE ENGINEERING LLC HARMLESS AGAINST ANY DAMAGES, LIABILITIES, OR COSTS, INCLUDING REASONABLE ATTORNEYS' FEES AND DEFENSE COSTS CONNECTED WITH THE PROJECT, INCLUDING ALL CLAIMS BY CONTRACTOR'S EMPLOYEES, TO THE FULLEST EXTENT PERMITTED BY LAW.
17. DISPUTES BETWEEN INDEPENDENCE ENGINEERING LLC AND THE CONTRACTOR SHALL BE SUBMITTED TO NONBINDING MEDIATION UNLESS THE PARTIES MUTUALLY AGREE OTHERWISE.
18. THE CONTRACTOR AND ITS SUBCONTRACTORS SHALL INCLUDE A PROVISION IN THEIR CONTRACTS WITH THEIR SUBCONTRACTORS, SUBCONSULTANTS, AND SUPPLIERS, PROVIDING FOR MEDIATION AS THE PRIMARY METHOD OF DISPUTE RESOLUTION BETWEEN THOSE PARTIES.
19. ALL TRAFFIC SIGNS AND STRIPING SHALL FOLLOW THE REQUIREMENTS SPECIFIED IN THE 'MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS,' PUBLISHED BY THE FEDERAL HIGHWAY ADMINISTRATION, INCLUDING LOCALLY ADOPTED REVISIONS THERETO.
20. BUILDING SETBACKS SHOWN HEREON ARE MEASURED FROM THE EXTERIOR FACE OF BUILDING WALLS. SETBACKS DO NOT ACCOUNT FOR ROOF OVERHANGS, ORNAMENTAL ARCHITECTURAL ELEMENTS, SIGNAGE, OR OTHER EXTERIOR EXTENSION UNLESS OTHERWISE NOTED.
21. LOCATION OF ALL EXISTING AND PROPOSED SERVICES AND CONNECTION POINTS ARE APPROXIMATE AND MUST BE CONFIRMED INDEPENDENTLY IN THE FIELD AND WITH LOCAL UTILITY COMPANIES PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION OR EXCAVATION. ALL DISCREPANCIES SHALL BE REPORTED IMMEDIATELY IN WRITING TO THE ENGINEER.
22. THE CONTRACTOR SHALL BE RESPONSIBLE TO NOTIFY 'DIG SAFE 811' 72 HOURS PRIOR TO ANY EXCAVATION ON SITE. CONTRACTOR SHALL ALSO NOTIFY LOCAL WATER AND SEWER AUTHORITIES TO MARK OUT THEIR SYSTEMS.
23. THE CONTRACTOR SHALL COMPLETELY FILL BELOW-GRADE AREAS AND VOIDS RESULTING FROM THE DEMOLITION OF STRUCTURES AND FOUNDATIONS WITH SOIL MATERIALS CONSISTING OF STONE, GRAVEL, AND SAND, FREE FROM DEBRIS, TRASH, FROZEN MATERIALS, ROOTS, AND OTHER ORGANIC MATTER. STONES SHALL NOT BE LARGER THAN 6 INCHES IN ANY DIMENSION. DEMOLITION MATERIALS MAY NOT BE USED AS FILL. FILL MATERIALS SHALL BE PLACED IN HORIZONTAL LAYERS NOT EXCEEDING 6 INCHES IN LOOSE DEPTH CONTOURS AND TO PROVIDE SURFACE DRAINAGE.
24. ALL DEBRIS, RUBBISH, SALVAGE, HAZARDOUS AND COMBUSTIBLE MATERIALS SHALL BE REMOVED AT THE EARLIEST POSSIBLE TIME. REMOVED MATERIALS MAY NOT BE STORED, SOLD, OR BURNED ON SITE. HAZARDOUS AND COMBUSTIBLE MATERIALS SHALL BE REMOVED IN ACCORDANCE WITH PROCEDURES ADOPTED BY THE LOCAL FIRE DEPARTMENT AND OTHER JURISDICTIONAL AGENCIES.

GRADING NOTES:

- 1. SITE GRADING SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE RECOMMENDATIONS SET FORTH IN THE SOILS REPORT REFERENCED IN THIS PLAN SET. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING AND REPLACING ALL SOFT, YIELDING, OR UNSUITABLE MATERIALS AND REPLACING WITH SUITABLE MATERIALS AS SPECIFIED IN THE SOILS REPORT (IF ONE HAS BEEN PREPARED). ALL EXCAVATED OR FILLED AREAS SHALL BE COMPACTED TO 95% OF MODIFIED PROCTOR MAXIMUM DENSITY PER ASTM TEST D-1557. MOISTURE CONTENT AT THE TIME OF PLACEMENT SHALL NOT EXCEED 2% ABOVE NOR 3% BELOW OPTIMUM. CONTRACTOR SHALL SUBMIT A COMPACTION REPORT PREPARED BY A QUALIFIED SOILS ENGINEER, REGISTERED IN THE STATE IN WHICH THE WORK IS PERFORMED, VERIFYING THAT ALL FILLED AREAS AND SUBGRADE AREAS WITHIN THE BUILDING PAD AREA AND AREAS TO BE PAVED HAVE BEEN COMPACTED IN ACCORDANCE WITH THESE PLANS AND SPECS AND THE RECOMMENDATIONS SET FORTH IN THE SOILS REPORT.
2. CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF EXISTING TOPOGRAPHIC INFORMATION AND UTILITY INVERT ELEVATIONS PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION. CONTRACTOR TO ENSURE 0.75% MINIMUM SLOPE AGAINST ALL ISLANDS, GUTTERS, CURBS, AND MINIMUM 0.7% SLOPE ON ALL CONCRETE AND ASPHALT SURFACES TO PREVENT PONDING. ANY DISCREPANCIES THAT MAY AFFECT THE PUBLIC SAFETY OF PROJECT COST MUST BE IDENTIFIED TO THE ENGINEER IN WRITING IMMEDIATELY. PROCEEDING WITH CONSTRUCTION WITH KNOWN DESIGN TOLERANCE DISCREPANCIES SHALL BE AT THE CONTRACTOR'S RISK.
3. SUBBASE MATERIAL FOR SIDEWALKS, CURB, OR ASPHALT SHALL BE FREE OF ORGANICS AND OTHER UNSUITABLE MATERIALS. SHOULD SUBBASE BE DEEMED UNSUITABLE, SUBBASE IS TO BE REMOVED AND FILLED WITH APPROVED FILL MATERIAL COMPACTED TO 95% OPTIMUM DENSITY, AS DETERMINED BY MODIFIED PROCTOR METHOD.
4. IN CASE OF DISCREPANCIES BETWEEN THE PLANS, THE SITE PLAN SHALL SUPERSEDE. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY CONFLICT IMMEDIATELY.
5. MAXIMUM CROSS-SLOPE OF 2.0% ON ALL SIDEWALKS, ACCESSIBLE PARKING SPACES, ACCESSIBLE ROUTES, AND ACCESSIBLE STRIPING AREAS.
6. OWNER SHALL RETAIN A QUALIFIED GEOTECHNICAL ENGINEER TO TEST PERMEABILITY AND PROVIDE CONSTRUCTION PHASE INSPECTIONS OF BASIN BOTTOM MATERIALS, INCLUDING INFILTRATION AND RETENTION BASINS. CONTRACTOR SHALL REMOVE UNSUITABLE OR OVERLY COMPACT SOIL OR ROCK MATERIAL AS NEEDED TO ACHIEVE REQUIRED PERMEABILITY AS DIRECTED BY THE OWNER'S GEOTECHNICAL ENGINEER, AND PLACED FILL SHALL HAVE A PERMEABILITY GREATER THAN OR EQUAL TO DESIGN CRITERIA.
7. CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE OWNER'S GEOTECHNICAL ENGINEER PRIOR TO CONSTRUCTION TO CONFIRM MEANS, METHODS, AND MATERIALS, AND TO SCHEDULE REQUIRED INSPECTIONS.
8. CONTRACTOR IS RESPONSIBLE FOR AS-BUILT PLANS AND GRADE CONTROL UNLESS OTHERWISE SPECIFIED IN THE CONTRACT DOCUMENTS.
9. PERMANENT SEEDING TO BE IN ACCORDANCE WITH LOCAL AND STATE EROSION AND SEDIMENT CONTROL STANDARDS.
10. REFER TO SITE PLAN NOTES FOR ADDITIONAL NOTES.

EXISTING UTILITY NOTES:

- 1. CONTRACTOR TO LOCATE AND UTILIZE EXISTING WATER SERVICE CONNECTION IF FEASIBLE.
2. IF REUSE OF EXISTING WATER SERVICE IS INFEASIBLE, THEN IT SHALL BE REMOVED AND CAPPED AT THE PUBLIC MAIN, IN ACCORDANCE WITH THE REQUIREMENTS AND SPECIFICATIONS OF THE CITY OF PROVIDENCE DEPARTMENT OF PUBLIC WORKS. TERMINATION MUST BE APPROVED BY THE CITY OF PROVIDENCE DEPARTMENT OF PUBLIC WORKS PRIOR TO COMPLETION.
3. NEW WATER SERVICE LOCATIONS SHALL BE COORDINATED WITH THE CITY OF PROVIDENCE DEPARTMENT OF PUBLIC WORKS.
4. CONTRACTOR IS RESPONSIBLE FOR ALL REQUIRED STREET OPENING PERMITS FOR REMOVAL OF EXISTING WATER SERVICES AND/OR INSTALLATION OF NEW WATER SERVICES.
5. CONTRACTOR TO LOCATE AND UTILIZE EXISTING GAS SERVICE CONNECTION IF FEASIBLE.
6. IF REUSE OF EXISTING GAS SERVICE IS INFEASIBLE, THEN IT SHALL BE REMOVED AND CAPPED AT THE MAIN, IN ACCORDANCE WITH THE REQUIREMENTS AND SPECIFICATIONS OF THE LOCAL GAS COMPANY. TERMINATION MUST BE APPROVED BY THE LOCAL GAS COMPANY PRIOR TO COMPLETION.
7. NEW GAS SERVICE LOCATIONS SHALL BE COORDINATED WITH THE LOCAL GAS COMPANY.
8. CONTRACTOR IS RESPONSIBLE FOR ALL REQUIRED STREET OPENING PERMITS FOR REMOVAL OF EXISTING GAS SERVICES AND/OR INSTALLATION OF NEW GAS SERVICES.
9. CONTRACTOR TO LOCATE AND UTILIZE EXISTING SANITARY SEWER SERVICE CONNECTION IF FEASIBLE AND ADEQUATELY SIZED.
10. IF REUSE OF EXISTING SANITARY SEWER SERVICE IS INFEASIBLE, THEN IT SHALL BE REMOVED AND CAPPED AT THE PUBLIC MAIN, IN ACCORDANCE WITH THE REQUIREMENTS AND SPECIFICATIONS OF THE CITY OF PROVIDENCE DEPARTMENT OF PUBLIC WORKS. TERMINATION MUST BE APPROVED BY THE CITY OF PROVIDENCE DEPARTMENT OF PUBLIC WORKS PRIOR TO COMPLETION.
11. NEW SANITARY SEWER SERVICE LOCATIONS SHALL BE COORDINATED WITH THE CITY OF PROVIDENCE DEPARTMENT OF PUBLIC WORKS.
12. CONTRACTOR IS RESPONSIBLE FOR ALL REQUIRED STREET OPENING PERMITS FOR REMOVAL OF EXISTING SANITARY SEWER SERVICES AND/OR INSTALLATION OF NEW SANITARY SEWER SERVICES.

UTILITY NOTES:

- 1. LOCATION OF ALL EXISTING AND PROPOSED SERVICES, INCLUDING BUT NOT LIMITED TO SANITARY, WATER, ELECTRIC, STORM, GAS, AND TELECOMMUNICATIONS, ARE APPROXIMATE AND MUST BE CONFIRMED INDEPENDENTLY WITH LOCAL UTILITY AGENCIES AND AUTHORITIES PRIOR TO ANY CONSTRUCTION OR EXCAVATION. ANY DISCREPANCY SHALL BE REPORTED IMMEDIATELY IN WRITING TO THE ENGINEER.
2. CONSTRUCTION OF SANITARY AND STORM FACILITIES SHALL BEGIN AT THE LOWEST ELEVATION (POINT OF CONNECTION) AND PROGRESS UP GRADIENT. PROPOSED CROSSINGS WITH EXISTING UTILITIES SHALL BE FIELD VERIFIED BY TEST PIT PRIOR TO COMMENCEMENT OF CONSTRUCTION.
3. CONTRACTOR IS RESPONSIBLE TO NOTIFY DIG SAFE 811 AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO ANY EXCAVATION ON SITE. CONTRACTOR SHALL ALSO NOTIFY LOCAL UTILITY AGENCIES AND AUTHORITIES TO MARK OUT FACILITIES PRIOR TO EXCAVATION.
4. EXACT LOCATIONS AND SERVICE SIZES OF BUILDING UTILITY CONNECTIONS ARE SHOWN ON THE ARCHITECTURAL PLANS. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY CONFLICTS PRIOR TO CONSTRUCTION.
5. ALL PROPOSED UTILITIES TO BE INSTALLED UNDERGROUND UNLESS OTHERWISE SPECIFIED.
6. ALL SEWER AND WATER FACILITIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE SPECIFICATIONS OF THE CITY OF PROVIDENCE DEPARTMENT OF PUBLIC WORKS.
7. WATER SERVICE MATERIALS SHALL BE SPECIFIED BY THE LOCAL WATER UTILITY. ENGINEER IS NOT RESPONSIBLE FOR THE COSTS ASSOCIATED WITH FEES AND APPURTENANCES REQUIRED BY THE LOCAL WATER UTILITY.
8. SANITARY SEWER MAINS SHALL BE SEPARATED FROM WATER MAINS BY AT LEAST TEN (10) FEET HORIZONTALLY. WHERE SUCH SEPARATION IS NOT POSSIBLE, SEWER AND WATER MAINS SHALL BE IN SEPARATE TRENCHES, WITH THE SEWER MAIN AT LEAST EIGHTEEN (18) INCHES BELOW THE WATER MAIN.
9. ALL SEWER PIPE INSTALLED WITH LESS THAN THREE (3) FEET OF COVER, GREATER THAN TWENTY (20) FEET OF COVER, OR WITHIN EIGHTEEN (18) INCHES OF A WATER MAIN SHALL BE CONSTRUCTED OF DUCTILE IRON PIPE, UNLESS OTHERWISE SPECIFIED.
10. WHERE SANITARY SEWER LATERAL CONNECTIONS ARE GREATER THAN TEN (10) FEET DEEP AT THE POINT OF CONNECTION TO THE MAIN, A CONCRETE DROP MANHOLE SHALL BE USED.
11. GAS, ELECTRIC, AND TELECOMMUNICATIONS LINES LOCATED HEREON ARE APPROXIMATE. ACTUAL LOCATION AND LAYOUT FOR GAS, ELECTRIC, AND TELECOMMUNICATIONS SHALL BE AT THE DIRECTION OF THE APPROPRIATE PROVIDER.
12. MEANS, METHODS, AND MATERIALS SHALL BE DONE IN ACCORDANCE WITH THE OWNER'S SPECIFICATIONS. IF SAID SPECIFICATIONS DO NOT EXIST, ALL MEANS, METHODS, AND MATERIALS SHALL BE PROVIDED CONSISTENT WITH ACCEPTED INDUSTRY STANDARDS.

SOIL EROSION AND SEDIMENT CONTROL NOTES:

- 1. ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE INSTALLED IN ACCORDANCE WITH THE STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN RHODE ISLAND, AND WILL BE IN PLACE PRIOR TO ANY MAJOR SOIL DISTURBANCE OR IN THEIR PROPER SEQUENCE AND MAINTAINED UNTIL PERMANENT PROTECTION IS ESTABLISHED.
2. ANY DISTURBED AREA THAT WILL BE LEFT EXPOSED FOR MORE THAN FOURTEEN (14) DAYS AND NOT SUBJECT TO CONSTRUCTION TRAFFIC SHALL IMMEDIATELY RECEIVE A TEMPORARY SEEDING. IF THE SEASON PROHIBITS TEMPORARY SEEDING, THE DISTURBED AREAS WILL BE MULCHED WITH STRAW OR HAY AND TACKED IN ACCORDANCE WITH THE RHODE ISLAND STANDARDS.
3. PERMANENT VEGETATION IS TO BE ESTABLISHED ON EXPOSED AREAS AFTER FINAL GRADING. MULCH IS TO BE USED FOR PROTECTION UNTIL VEGETATION IS ESTABLISHED.
4. IMMEDIATELY FOLLOWING INITIAL DISTURBANCE OR ROUGH GRADING ALL CRITICAL AREAS (STEEP SLOPES, SANDY SOILS, WET CONDITIONS) SUBJECT TO EROSION WILL RECEIVE A TEMPORARY SEEDING.
5. PERMANENT SEEDING AND STABILIZATION TO BE IN ACCORDANCE WITH THE 'STANDARD FOR PERMANENT VEGETATIVE COVER FOR SOIL STABILIZATION'.
6. THE SITE SHALL AT ALL TIMES BE GRADED AND MAINTAINED SO THAT ALL STORMWATER RUNOFF IS DIVERTED TO SOIL EROSION AND SEDIMENT CONTROL FACILITIES.
7. ALL SEDIMENTATION STRUCTURES (SILT FENCE OR COMPOST FILTER SOCK, INLET FILTERS, AND SEDIMENT BASINS) WILL BE INSPECTED AND MAINTAINED FREQUENTLY AND REPLACEMENTS OR REPAIR SHALL BE MADE PROMPTLY AS NEEDED.
8. STOCKPILES SHOULD BE SITUATED SO AS NOT TO OBSTRUCT NATURAL DRAINAGE OR CAUSE OFF-SITE ENVIRONMENTAL DAMAGE.
9. A STABILIZED CONSTRUCTION ACCESS MADE OF CLEAN CRUSHED STONE SHALL BE LOCATED AT POINTS WHERE TRAFFIC WILL BE ACCESSING THE CONSTRUCTION SITE.
10. DURING AND AFTER CONSTRUCTION, THE APPLICANT WILL BE RESPONSIBLE FOR THE MAINTENANCE AND UPKEEP OF THE DRAINAGE STRUCTURES, VEGETATION COVER, AND ANY OTHER MEASURES DEEMED APPROPRIATE BY THE DISTRICT. SAID RESPONSIBILITY WILL END WHEN COMPLETED WORK IS APPROVED BY THE CAPE ATLANTIC SOIL CONSERVATION DISTRICT.
11. ALL TREES OUTSIDE THE DISTURBANCE LIMIT INDICATED ON THE SUBJECT PLAN OR THOSE TREES WITHIN THE DISTURBANCE AREA WHICH ARE DESIGNATED TO REMAIN AFTER CONSTRUCTION ARE TO BE PROTECTED WITH TREE PROTECTION DEVICES.
12. THE SOIL CONSERVATION DISTRICT MAY REQUEST ADDITIONAL MEASURES TO MINIMIZE ON SITE OR OFF SITE EROSION PROBLEMS DURING CONSTRUCTION.
13. THE SOIL CONSERVATION DISTRICT MUST BE NOTIFIED, IN WRITING, AT LEAST 48 HOURS PRIOR TO ANY LAND DISTURBANCE, AND A PRE-CONSTRUCTION MEETING HELD.
14. CONTRACTOR TO SET UP A MEETING WITH THE INSPECTOR FOR PERIODIC INSPECTIONS OF THE TEMPORARY SEDIMENT BASIN PRIOR TO AND DURING ITS CONSTRUCTION.
15. TOPSOIL STOCKPILE SHALL BE COVERED AS DESCRIBED ON PAGE 7-1 OF THE STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL MANUAL.
16. REMOVE ANY SEDIMENT THAT MAY BE SPILLED, DROPPED, OR TRACKED OFF THE PROJECT SITE. ALL PAVED RIGHT-OF-WAYS ADJACENT TO THE PROJECT SITE MUST BE MAINTAINED IN A CLEAN, SWEEP CONDITION THROUGHOUT CONSTRUCTION. INSTALL CRUSHED STONE PADS TO HELP REDUCE OFF-SITE TRACKING OF SEDIMENT.
17. THE PROPERTY OWNER SHALL BE RESPONSIBLE FOR ANY EROSION OR SEDIMENTATION THAT MAY OCCUR BELOW STORMWATER OUTFALLS OR OFFSITE AS A RESULT OF CONSTRUCTION OF THE PROJECT.

SEQUENCE OF CONSTRUCTION:

- 1. INSTALL CONSTRUCTION ENTRANCE AND EROSION AND SEDIMENTATION CONTROLS.
2. DEMOLISH EXISTING BUILDINGS AS MARKED.
3. DEMOLISH UTILITIES IDENTIFIED AS 'TO BE REMOVED.'
4. ROUGH GRADE AREAS TO BE IMPROVED.
5. INSTALL UTILITIES AS SHOWN.
6. CONSTRUCT BUILDING FOUNDATIONS.
7. CONSTRUCT NEW BUILDINGS.
8. INSTALL SUBBASE AND BASE COURSE OF DRIVEWAYS AND PARKING AREAS.
9. FINISH GRADE SITE. INSTALL SURFACE COURSE OF PAVEMENT.
10. REPLAT TOPSOIL. STABILIZE AND SEED EXPOSED AREAS.
11. INSTALL LANDSCAPING.

NOTE:

THE EXISTENCE AND LOCATION OF ANY OVERHEAD OR UNDERGROUND UTILITY LINES, PIPES, OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A RESEARCH OF THE AVAILABLE RECORDS. EXISTING UTILITIES ARE LOCATED ON PLANS ONLY FOR THE CONVENIENCE OF THE CONTRACTOR. EXISTING UTILITY SERVICE LATERALS MAY NOT BE SHOWN ON THE PLANS. THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, LOCATE ALL UNDERGROUND AND OVERHEAD INTERFERENCES WHICH MAY AFFECT HIS OPERATION DURING CONSTRUCTION AND SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO THE SAME. THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN WORKING NEAR GAS LINES OR OVERHEAD UTILITIES SO AS TO SAFELY PROTECT ALL PERSONNEL AND EQUIPMENT, AND SHALL BE RESPONSIBLE FOR ALL COST AND LIABILITY IN CONNECTION THEREWITH.

LANDSCAPE AND MAINTENANCE NOTES:

- 1. REQUIRED PLANTS SHALL BE NURSERY STOCK. THEY SHALL BE OF SYMMETRICAL GROWTH, FREE OF INSECTS, PESTS AND DISEASE, AND BE SUITABLE FOR TREES USE AND DURABLE UNDER THE MAINTENANCE CONTEMPLATED.
2. ALL PLANTS SHALL MEET MINIMUM STANDARDS FOR HEALTH, FORM AND ROOT CONDITIONS AS OUTLINED IN THE AMERICAN ASSOCIATION OF NURSERYMEN STANDARDS AND SHALL BE HARDY WITHIN APPROPRIATE USDA HARDINESS ZONE.
3. AT THE TIME OF INSTALLATION, THE TRUNK DIAMETER MEASURED AT A HEIGHT OF SIX INCHES ABOVE FINISHED GRADE LEVEL SHALL BE 2 1/2 INCHES.
4. REQUIRED LANDSCAPING TREES SHALL BE MAINTAINED PERMANENTLY AND ANY PLANT MATERIAL WHICH DOES NOT SURVIVE SHALL BE REPLACED WITHIN SIX MONTHS.
5. ALL PROPOSED CANOPY TREES SHALL BE LIMBED TO A MINIMUM OF 7 FEET.
6. LAWN AREA IS TO BE MOVED AT REGULAR INTERVALS DEPENDING ON WEATHER CONDITIONS. IN NO CASE SHALL THE GRASS BE HIGHER THAN 6 INCHES FOR A PERIOD OF TIME LONGER THAN 1 WEEK. WEED CONTROL, PEST CONTROL, AND FERTILIZING IS TO BE PERFORMED AS NEEDED, AND IF CHEMICAL USAGE IS REQUIRED, IT SHALL BE USED IN ACCORDANCE WITH TOWNSHIP AND STATE REGULATIONS.
7. LANDSCAPE/PLANTING AREAS LOCATED AROUND THE BUILDING SHALL BE MAINTAINED AS NEEDED AND AT THE DISCRETION OF THE PROPERTY OWNER. PLANTINGS SHALL BE AS LISTED ON THIS LANDSCAPING PLAN. WEED CONTROL, PEST CONTROL, AND FERTILIZING IS TO BE PERFORMED AS NEEDED, AND IF CHEMICAL USAGE IS REQUIRED, IT SHALL BE USED IN ACCORDANCE WITH TOWNSHIP AND STATE REGULATIONS.
8. NOTIFY ALL UTILITY COMPANIES PRIOR TO EXCAVATING PLANT PITS. PLANT LOCATIONS MAY BE ADJUSTED IN FIELD TO AVOID INTERFERENCE WITH UTILITIES.
9. TREES SHALL BE LOCATED IN A MANNER WHICH WILL NOT OBSTRUCT ACCESS TO FIRE HYDRANT OR VISIBILITY OF STREET OR TRAFFIC SIGNS. NO TREES OR SHRUBS SHALL BE PLANTED IN A SIGHT TRIANGLE. NO TREES SHALL BE PLANTED IN ANY UTILITY OR MUNICIPAL EASEMENTS.
10. THE CONTRACTOR SHALL GIVE ALL NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY BEARING UPON THE PERFORMANCE OF THE WORK.
11. THE EXISTING VEGETATION TO REMAIN IS TO BE PROTECTED BY THE USE OF TREE PROTECTION FENCE AS SHOWN ON THIS LANDSCAPING PLAN. THE TREE PROTECTION IS TO BE INSTALLED PRIOR TO VEGETATION REMOVAL AND SHALL REMAIN IN PLACE FOR THE DURATION OF CONSTRUCTION.
12. EXISTING VEGETATION ALONG THE PROPERTY LINES TO SERVE AS BUFFER PLANTING.

SEEDING SPECS FOR LAWN AREA:

Table with 3 columns: Percentage, Species Name, and Common Name. Includes ERNMx-136, THREE-WAY TALL FESCUE MIX BY ERNST SEEDS (OR APPROVED EQUAL *), 34% FESTUCA ARUNDINACEA, FIRECRACKER SLS, TALL FESCUE, 33% FESTUCA ARUNDINACEA, VALKYRIE LS, TALL FESCUE, 33% FESTUCA ARUNDINACEA, COCHISE III, TALL FESCUE. Includes seeding rate: 7-10 LBS PER 1,000 SQFT.

* IF A DIFFERENT SEED MIX IS USED, IT WILL NEED TO CONSIST OF GRASSES NATIVE TO THE PINELANDS. THE FOLLOWING SPECIES ARE NATIVE AND CAN BE USED: FESCUE SPECIES, SMOOTH BROMEGRASS, REED CANARY GRASS, LITTLE BLUESTEM, DEERTONGUE, RED TOP, OR SWITCH GRASS.

RHODE ISLAND RECYCLED METALS, 434 ALLENS AVENUE, PROVIDENCE, RI 02905, PHONE: (401) 461-9707

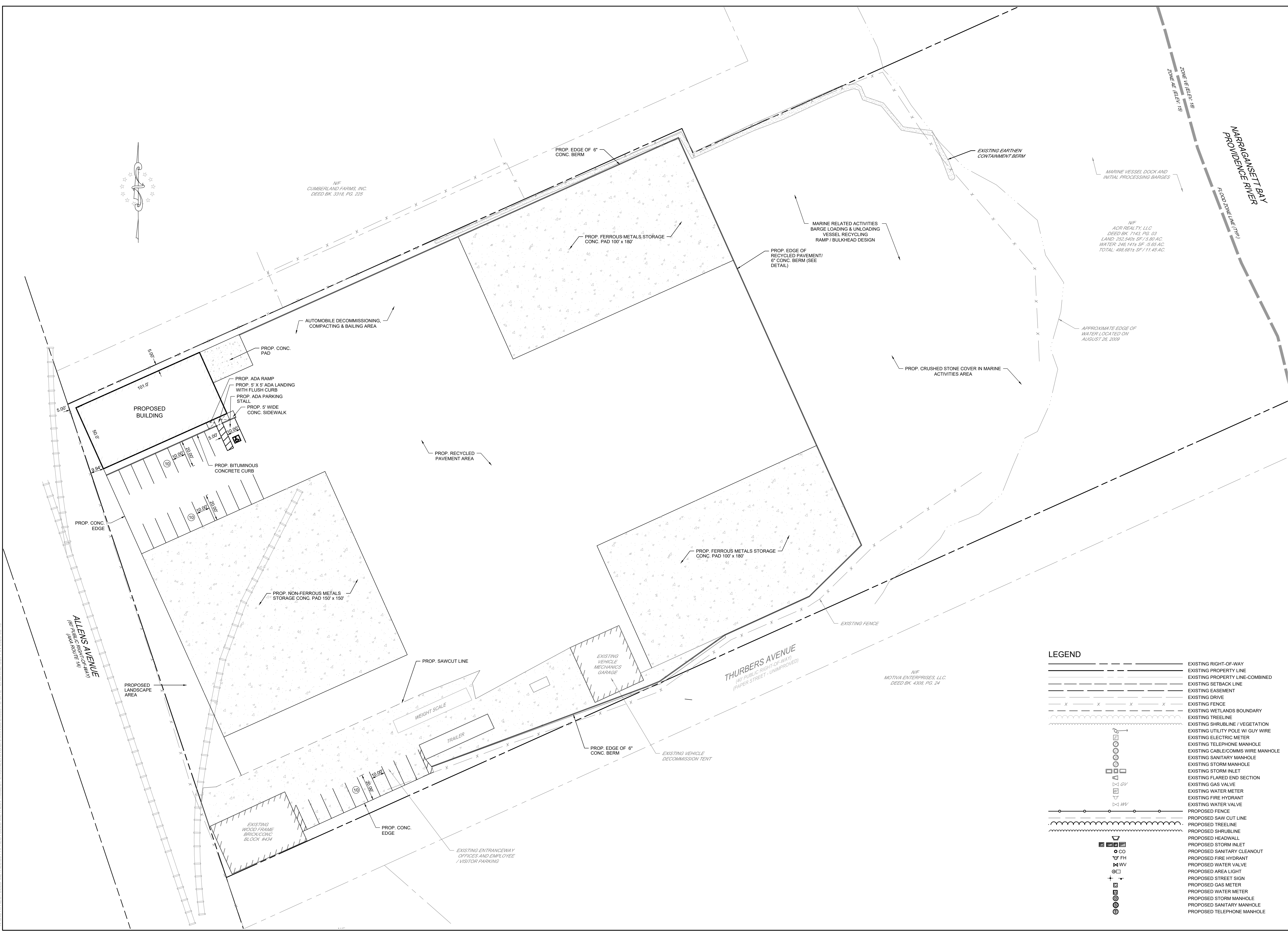
Table with 4 columns: REV, DATE, DESCRIPTION, BY. Contains revision information.

Independence ENGINEERING LLC logo and contact information: 33 COMMERCIAL STREET, RAYNHAM, MASSACHUSETTS 02767, PHONE: (508) 245-2608, EMAIL: INDEPENDENCE@INDEPENDENCEENGINEERING.COM, NEW JERSEY, PENNSYLVANIA, MASSACHUSETTS.

PERMITTING PLANS NOTES SHEET FOR RHODE ISLAND RECYCLED METALS, 434 ALLENS AVENUE, PROVIDENCE, RHODE ISLAND 02905.

PROJECT 046-001, DATE 03/16/23, SCALE NONE, DRAWN MAS, DESIGNED SMO, CHECKED NES, NEIL E. SANDER, No. 8979, PROFESSIONAL ENGINEER CIVIL 03/16/2023, SHEET 2 OF 8.

NUMBER RECYCLED METALS 01-21 RECYCLED METALS PROJECT ENGINEERING DRAWING 04/00/01 SITE - FERKINE COPPIN 2023-03-18



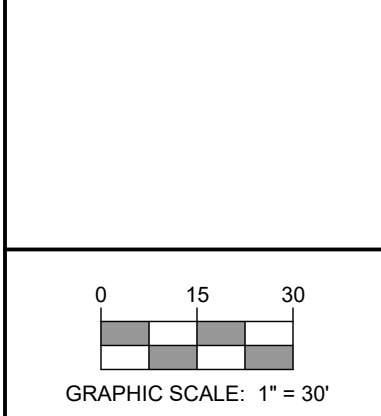
LEGEND

	EXISTING RIGHT-OF-WAY
	EXISTING PROPERTY LINE
	EXISTING PROPERTY LINE-COMBINED
	EXISTING SETBACK LINE
	EXISTING EASEMENT
	EXISTING DRIVE
	EXISTING FENCE
	EXISTING WETLANDS BOUNDARY
	EXISTING TREELINE
	EXISTING SHRUBLINE / VEGETATION
	EXISTING UTILITY POLE W/ GUY WIRE
	EXISTING ELECTRIC METER
	EXISTING TELEPHONE MANHOLE
	EXISTING CABLE/COMMS WIRE MANHOLE
	EXISTING SANITARY MANHOLE
	EXISTING STORM MANHOLE
	EXISTING STORM INLET
	EXISTING FLARED END SECTION
	EXISTING GAS VALVE
	EXISTING WATER METER
	EXISTING FIRE HYDRANT
	EXISTING WATER VALVE
	PROPOSED FENCE
	PROPOSED SAW CUT LINE
	PROPOSED TREELINE
	PROPOSED SHRUBLINE
	PROPOSED HEADWALL
	PROPOSED STORM INLET
	PROPOSED SANITARY CLEANOUT
	PROPOSED FIRE HYDRANT
	PROPOSED WATER VALVE
	PROPOSED AREA LIGHT
	PROPOSED STREET SIGN
	PROPOSED GAS METER
	PROPOSED WATER METER
	PROPOSED STORM MANHOLE
	PROPOSED SANITARY MANHOLE
	PROPOSED TELEPHONE MANHOLE

REV	DATE	DESCRIPTION

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NEW JERSEY * PENNSYLVANIA * MASSACHUSETTS

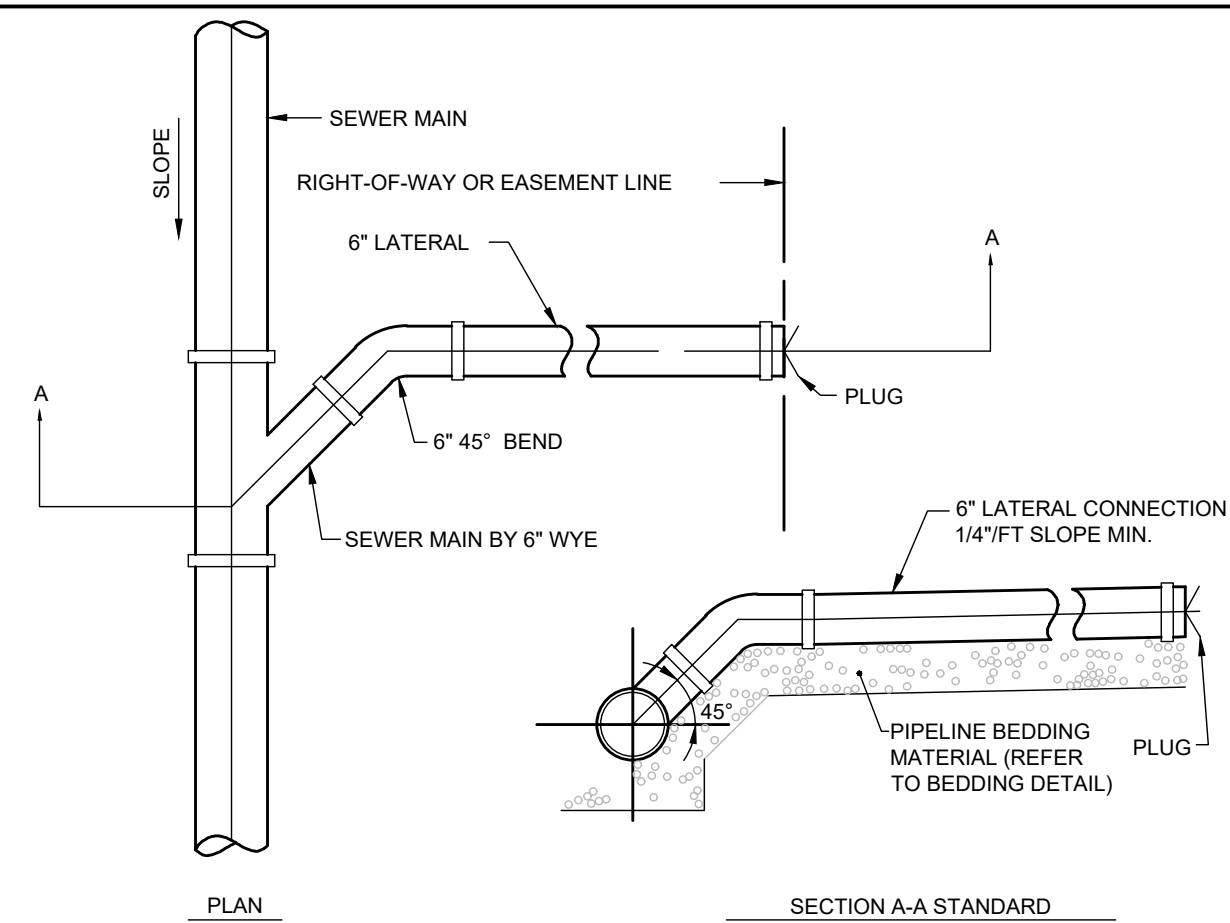
PERMITTING PLANS
SITE PLAN
FOR
RHODE ISLAND RECYCLED METALS
434 ALLENS AVENUE
PROVIDENCE, RHODE ISLAND 02905



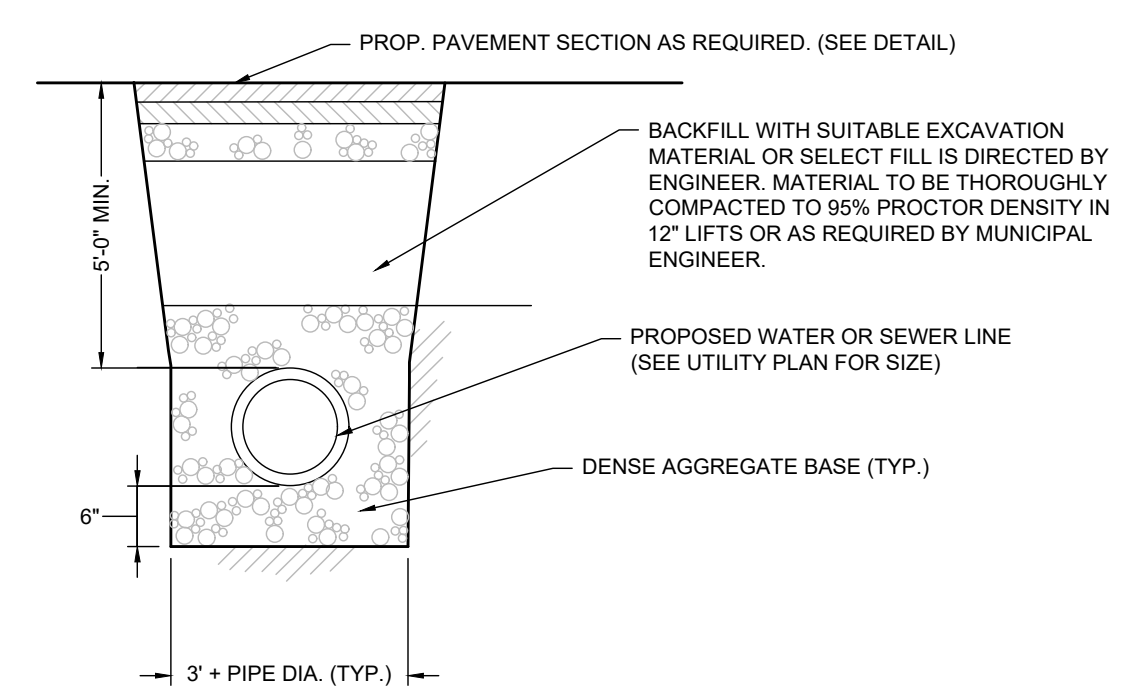
PROJECT 046-001	
DATE 03/16/23	
SCALE 1" = 30'	DRAWN MAS
DESIGNED SMO	CHECKED NES

NEIL E. SANDER
No. 8979
Neil E. Sander
PROFESSIONAL ENGINEER
CIVIL 03/16/2023

C400
SHEET 4 OF 8

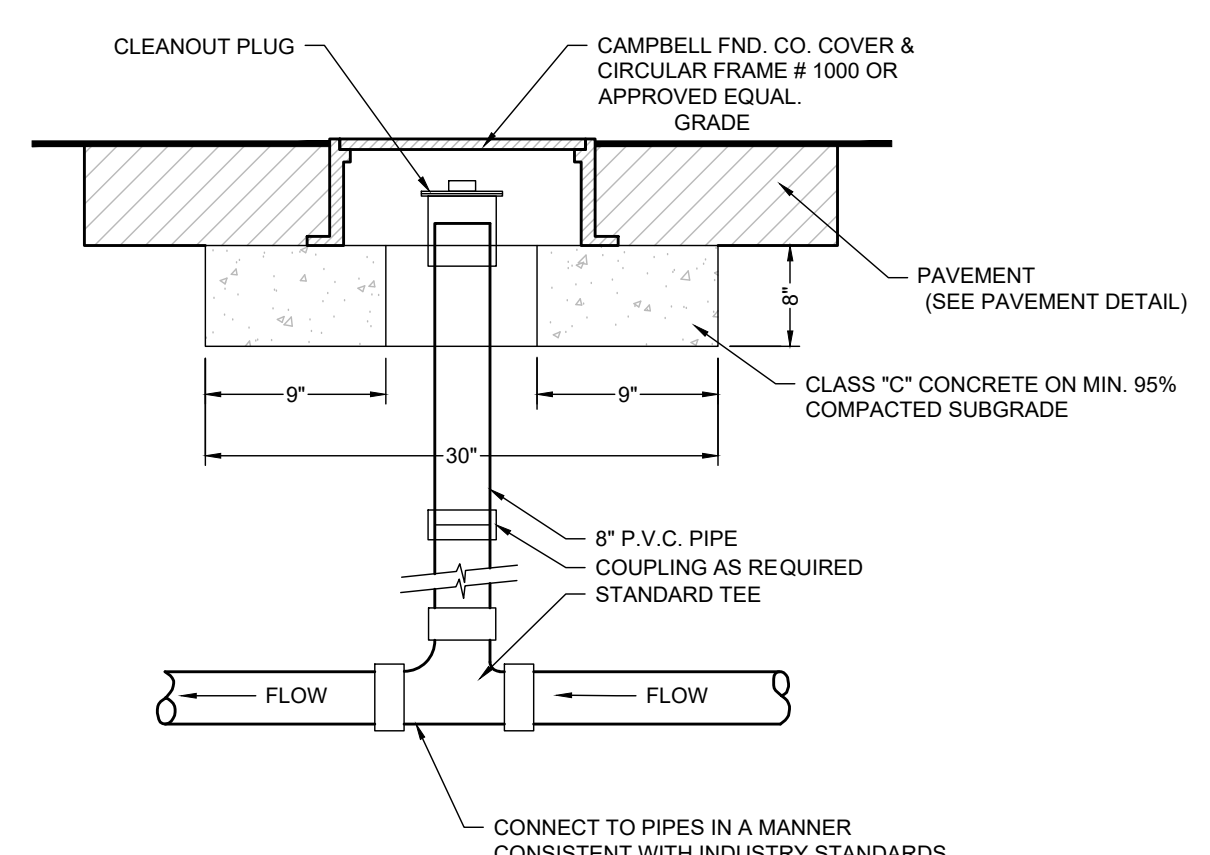


STANDARD LATERAL CONNECTION DETAIL
NTS

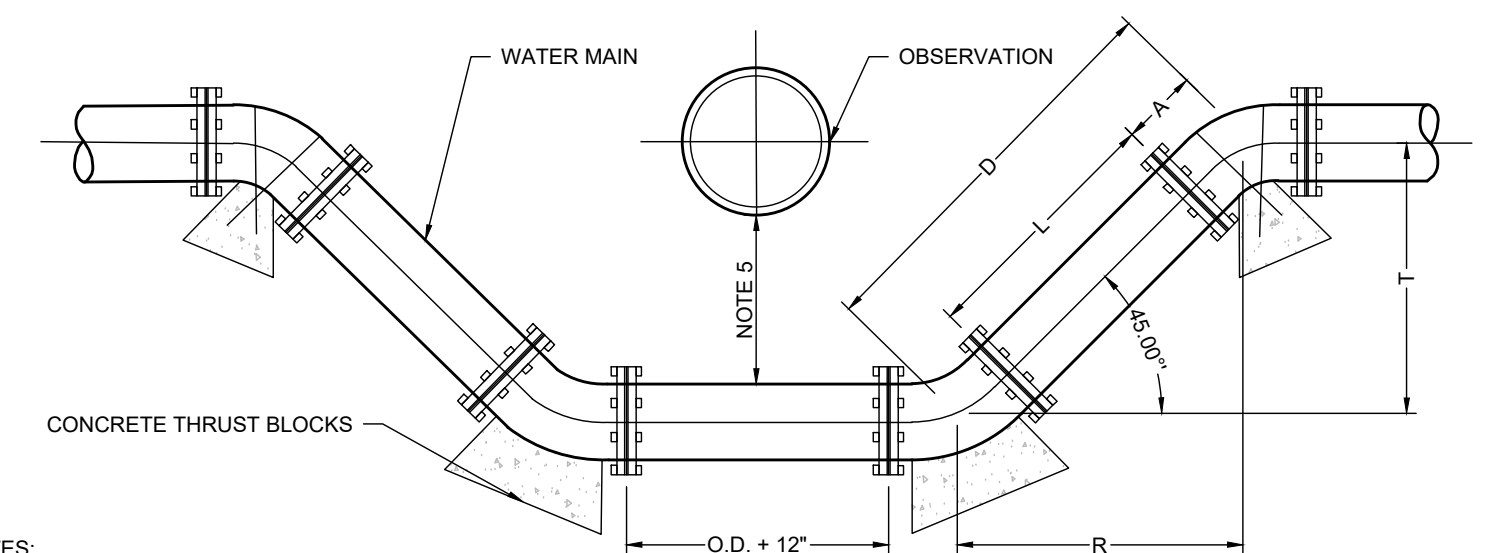


NOTE: PAVEMENT SECTION TO MATCH, AT MINIMUM, ADJOINING PAVEMENT.

WATER AND SANITARY SEWER SERVICE TRENCH DETAIL
NTS

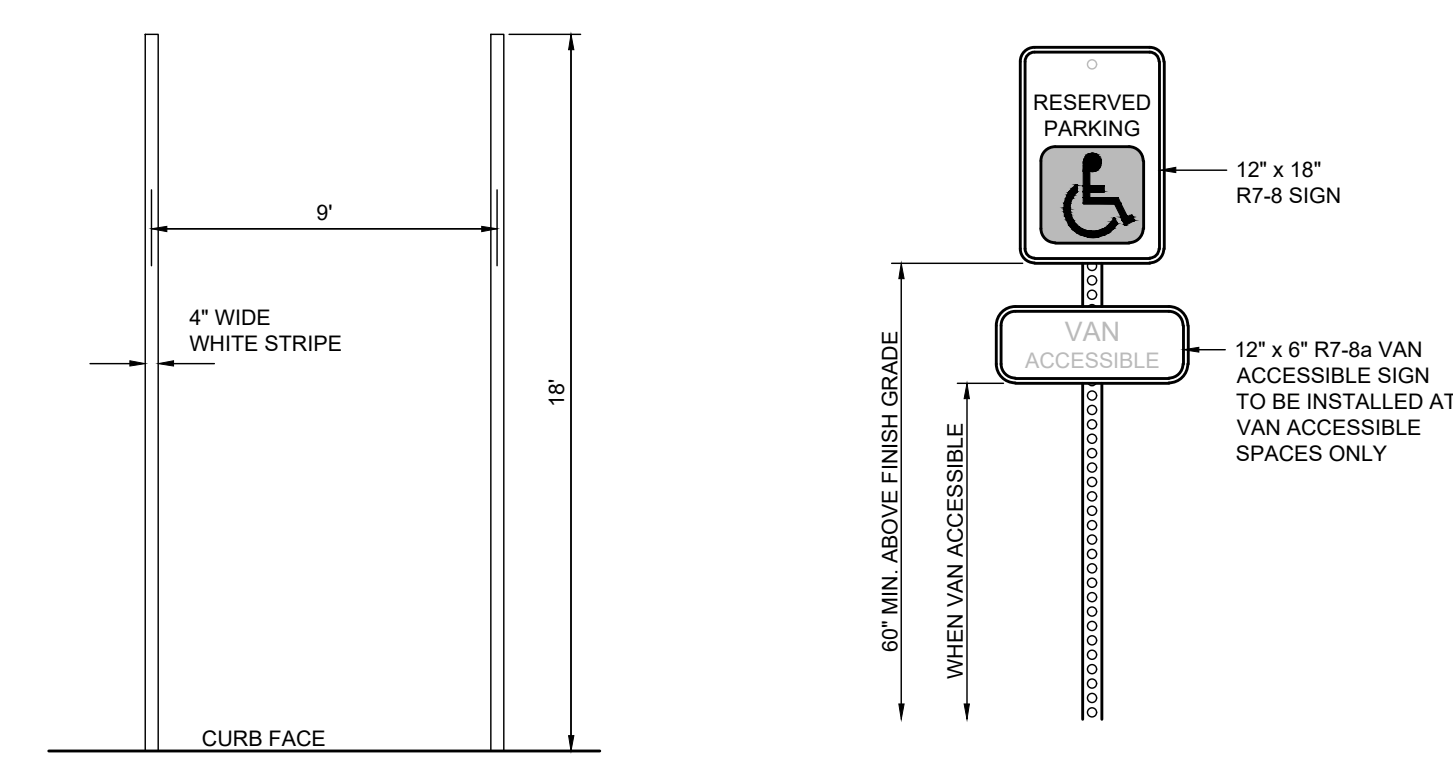


SEWER CLEANOUT DETAIL - PAVED AREAS
NTS

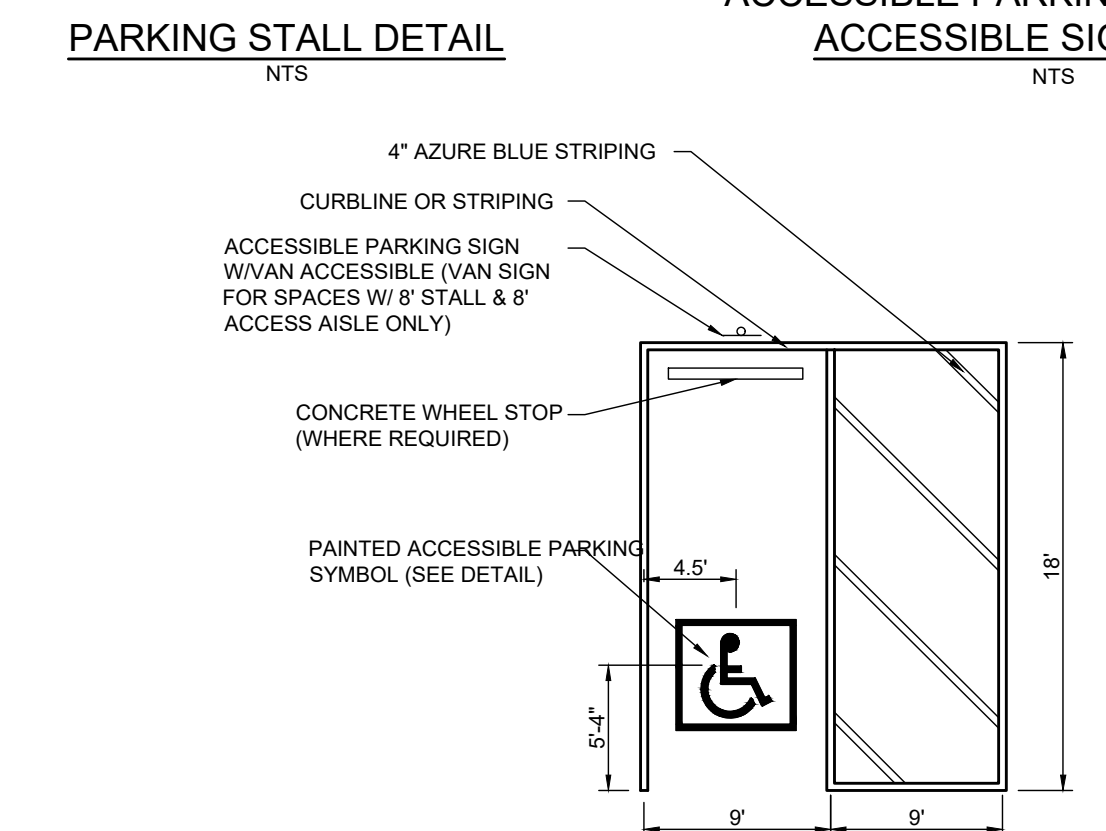


- NOTES:**
1. WATERMAIN MAY BE LOOPED ABOVE OBSTRUCTION, IF 4" MINIMUM COVER IS MAINTAINED ABOVE WATERMAIN.
 2. WATERMAIN SHALL BE DUCTILE IRON CEMENT LINED PIPE. ALL JOINTS SHALL BE MECHANICAL JOINT OR PUSH-ON AND ALL FITTINGS BE MECHANICALLY JOINT CAST IRON.
 3. WATER SERVICE SHALL BE AS SHOWN ON UTILITY PLAN C800.
 4. OFFSETS MAY BE SUBSTITUTED FOR A TEE OF UP TO 24" IF APPROVED BY THE ENGINEER.
 5. CONCRETE THRUST BLOCKS SHALL BE PROVIDED AT ALL BENDS AND DIRECTION CHANGES.
 6. MINIMUM CLEARANCE BETWEEN SANITARY SEWER AND WATERMAIN SHALL BE 18". CLEARANCE BETWEEN WATERMAIN AND OTHER OBSTRUCTIONS SHALL BE 4".
 7. THE RODS SHALL BE UTILIZED TO RESTRAIN PIPE JOINTS. DETAILS OF THE ROD ASSEMBLY SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL. THE RODS SHALL BE SUFFICIENT TO RESTRAIN THRUST AT 100 PSI WORKING PRESSURE. MEGALUG RESTRAINT ALSO ACCEPTABLE IN PLACE OF THE RODS.
- | MECHANICAL JOINTS | | | |
|-------------------|-----------|-----------|------|
| ANG. | D | R | L |
| 45° | T = 1.414 | T = 1.000 | D-2A |
| 22.5° | T = 2.613 | T = 2.414 | D-2A |
| 11.25° | T = 5.126 | T = 5.007 | D-2A |

UTILITY CROSSING DETAIL
NTS

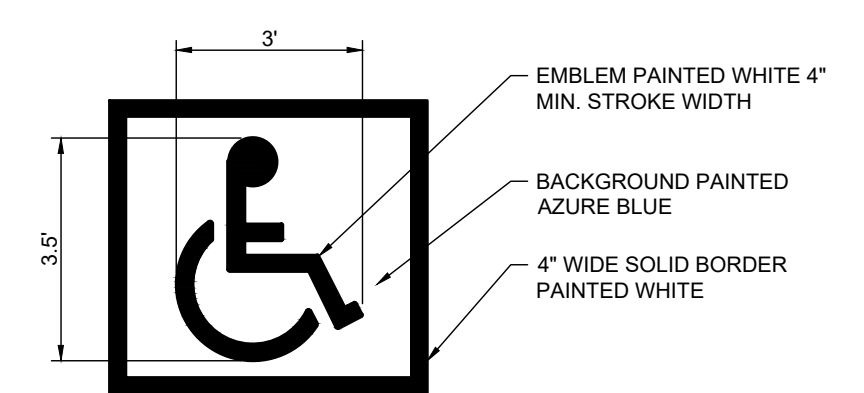


ACCESSIBLE PARKING SIGN W/ VAN ACCESSIBLE SIGN DETAIL
NTS



- NOTES:**
1. PAVEMENT STRIPING FOR ALL ACCESSIBLE PARKING SPACES SHALL BE PAINTED AZURE BLUE.
 2. WHERE AN ACCESSIBLE PARKING STALL MEETS A STANDARD PARKING STALL, AN AZURE BLUE AND WHITE PAVEMENT STRIPE SHALL BE PAINTED.
 3. ALL PAVEMENT STRIPING, MARKINGS AND SIGNAGE SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST ACCESSIBILITY STANDARDS.

ACCESSIBLE PARKING STALL STRIPING DETAIL
NTS



- NOTES:**
- ALL PAVEMENT STRIPING, MARKINGS & APPLICABLE SIGNAGE SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST ACCESSIBILITY STANDARDS.

PAINTED ACCESSIBLE PARKING SYMBOL DETAIL
NTS

REV	DATE	DESCRIPTION	BY

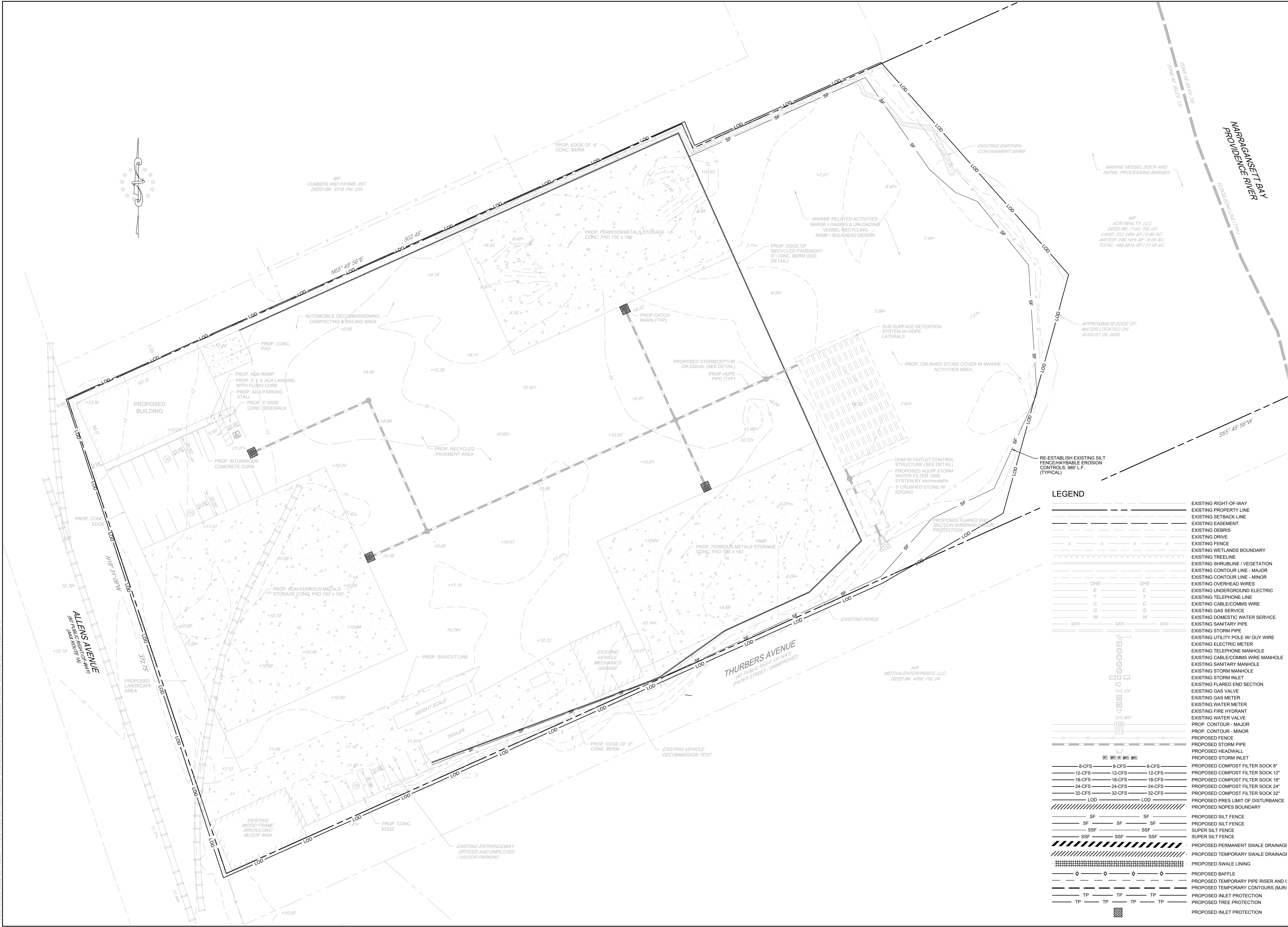
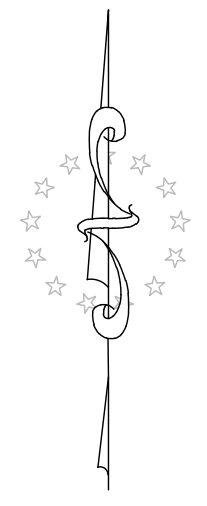
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NEW JERSEY * PENNSYLVANIA * MASSACHUSETTS

PERMITTING PLANS
DETAIL SHEET
FOR
RHODE ISLAND RECYCLED METALS
434 ALLENS AVENUE
PROVIDENCE, RHODE ISLAND 02905

PROJECT 046-001	
DATE 03/16/23	
SCALE NTS	DRAWN JEH
DESIGNED SMO	CHECKED NES
NEIL E. SANDER No. 8979 <i>Neil E. Sander</i> PROFESSIONAL ENGINEER CIVIL 03/16/2023	
C800	
SHEET 6	OF 8

NUMBER RECYCLED METALS 33001-01 RECYCLED METALS PROJECT ENGINEERING DRAWING NUMBER: SD-DETAILS - ERIKLINE COPPER 2023-03-16



LEGEND

	EXISTING RIGHT-OF-WAY
	EXISTING PROPERTY LINE
	EXISTING SETBACK LINE
	EXISTING EASEMENT
	EXISTING DEBRIS
	EXISTING DRIVE
	EXISTING FENCE
	EXISTING WETLANDS BOUNDARY
	EXISTING TREELINE
	EXISTING SHRUBLINE / VEGETATION
	EXISTING CONTOUR LINE - MAJOR
	EXISTING CONTOUR LINE - MINOR
	EXISTING OVERHEAD WIRES
	EXISTING UNDERGROUND ELECTRIC
	EXISTING TELEPHONE LINE
	EXISTING CABLE/COMMS WIRE
	EXISTING GAS SERVICE
	EXISTING DOMESTIC WATER SERVICE
	EXISTING SANITARY PIPE
	EXISTING STORM PIPE
	EXISTING UTILITY POLE W/ GUY WIRE
	EXISTING ELECTRIC METER
	EXISTING TELEPHONE MANHOLE
	EXISTING CABLE/COMMS WIRE MANHOLE
	EXISTING SANITARY MANHOLE
	EXISTING STORM MANHOLE
	EXISTING STORM INLET
	EXISTING FLARED END SECTION
	EXISTING GAS VALVE
	EXISTING GAS METER
	EXISTING WATER METER
	EXISTING FIRE HYDRANT
	EXISTING WATER VALVE
	PROP. CONTOUR - MAJOR
	PROP. CONTOUR - MINOR
	PROPOSED FENCE
	PROPOSED STORM PIPE
	PROPOSED HEADWALL
	PROPOSED STORM INLET
	PROPOSED COMPOST FILTER SOCK 6"
	PROPOSED COMPOST FILTER SOCK 12"
	PROPOSED COMPOST FILTER SOCK 18"
	PROPOSED COMPOST FILTER SOCK 24"
	PROPOSED COMPOST FILTER SOCK 32"
	PROPOSED PRES LIMIT OF DISTURBANCE
	PROPOSED NDPEB BOUNDARY
	PROPOSED SILT FENCE
	PROPOSED SILT FENCE
	SUPER SILT FENCE
	SUPER SILT FENCE
	PROPOSED PERMANENT SWALE DRAINAGE
	PROPOSED TEMPORARY SWALE DRAINAGE
	PROPOSED SWALE LINING
	PROPOSED BAFFLE
	PROPOSED TEMPORARY PIPE RISER AND C
	PROPOSED TEMPORARY CONTOURS (MJR)
	PROPOSED INLET PROTECTION
	PROPOSED TREE PROTECTION
	PROPOSED INLET PROTECTION

BY	
DATE	
REV	
DESCRIPTION	

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SOIL EROSION AND SEDIMENT CONTROL PLAN
FOR
RHODE ISLAND RECYCLED METALS
434 ALLENS AVENUE
PROVIDENCE, RHODE ISLAND 02905

PROJECT: 046-001
DATE: 03/16/23
SCALE: 1" = 30'
DRAWN: JEH
DESIGNED: SMO
CHECKED: NES

NEIL E. SANDER
No. 8979
Professional Engineer
CIVIL 03/16/2023

C2000
SHEET 7 OF 8

