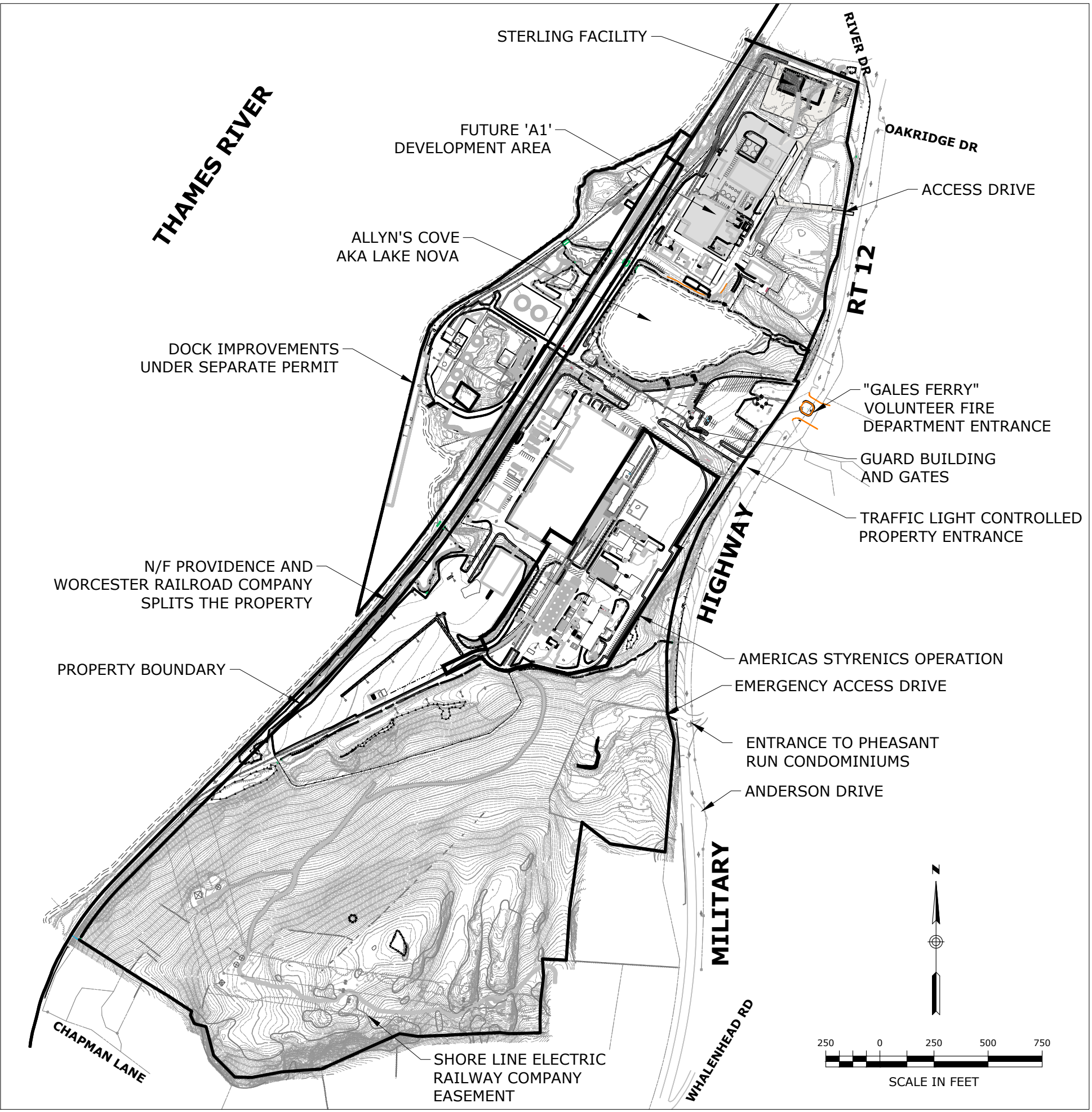
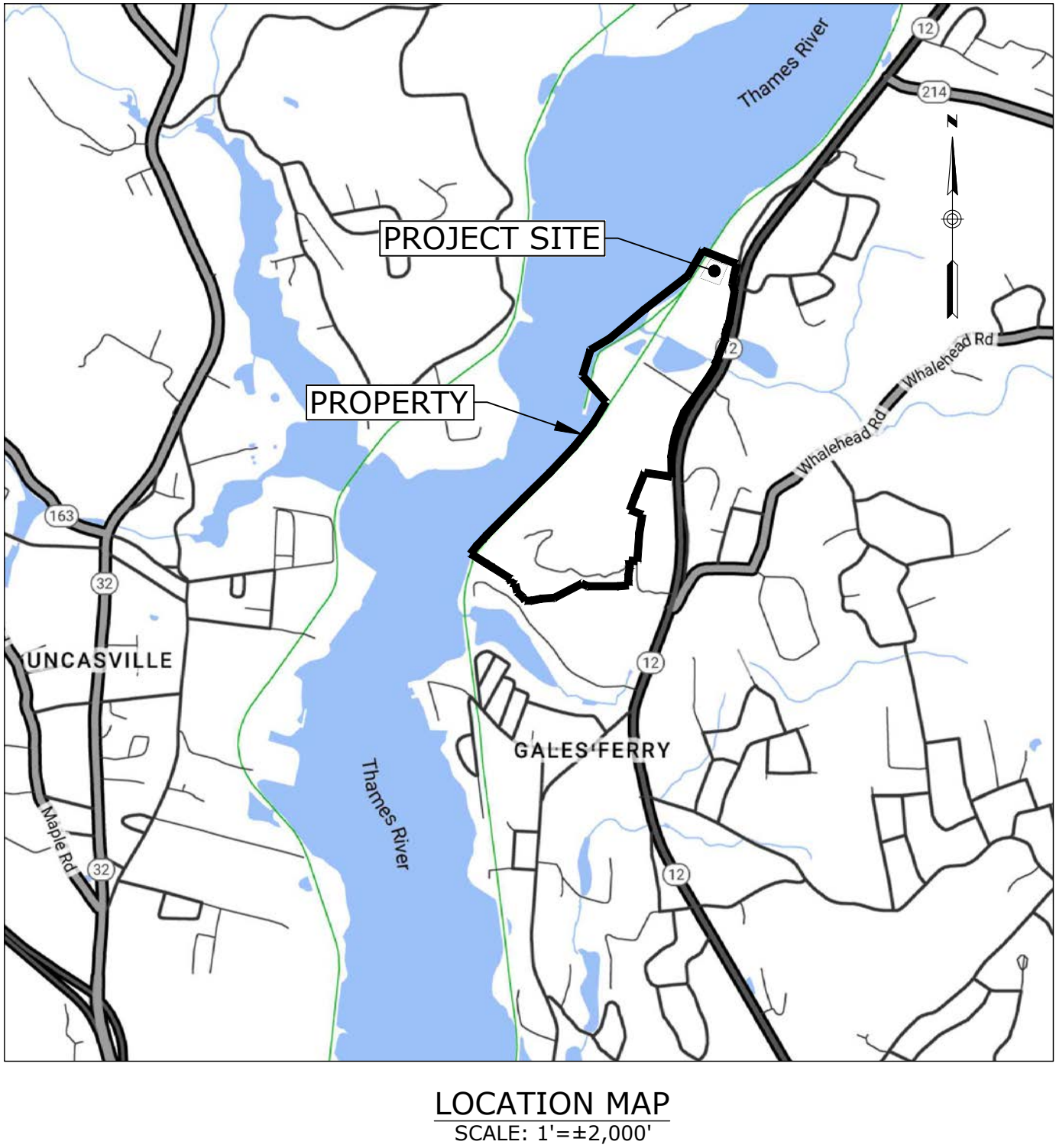


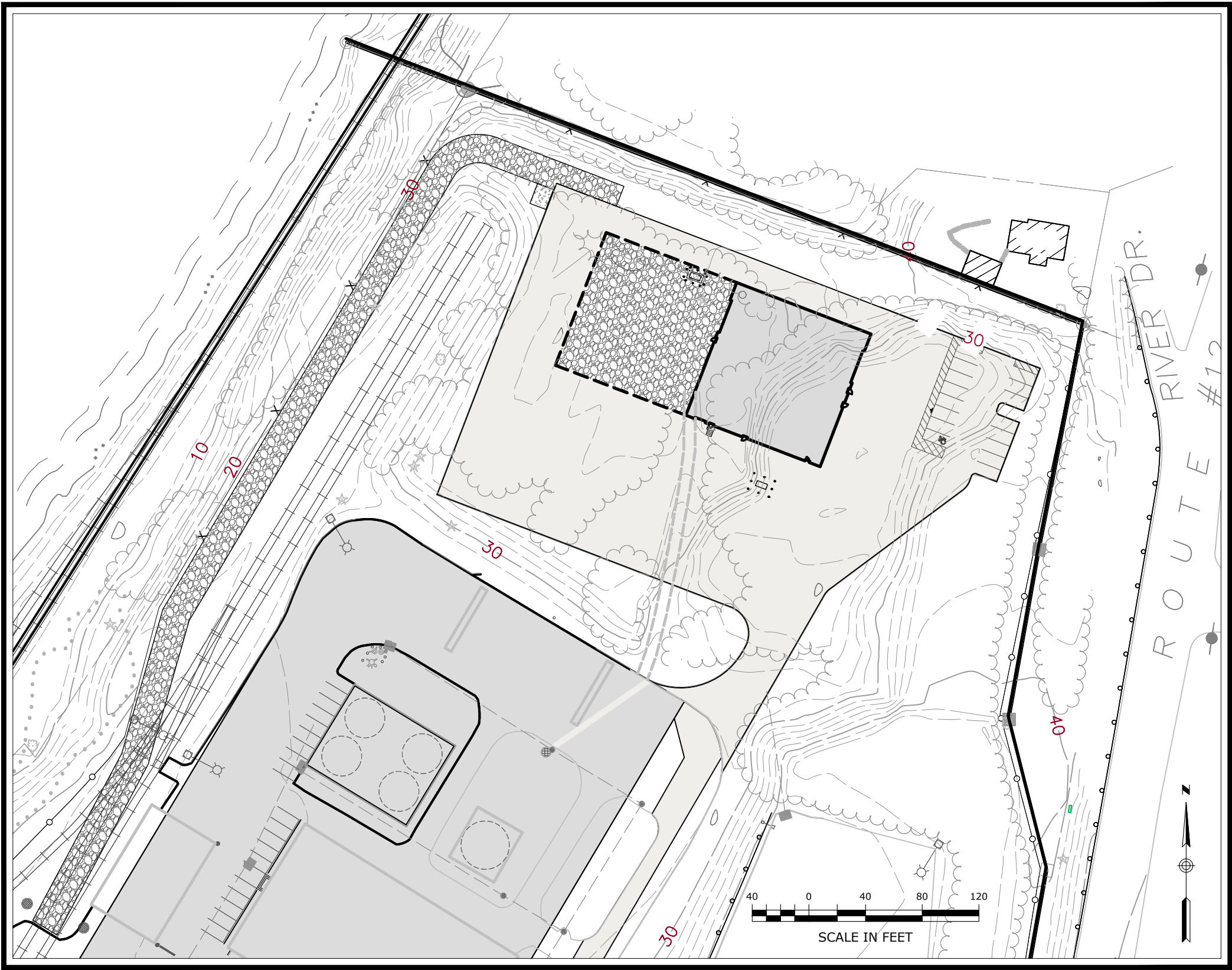
GALES FERRY INTERMODAL STERLING FACILITY

1761 ROUTE 12
GALES FERRY, CONNECTICUT 06335

MARCH 07, 2023
REVISED: APRIL 6, 2023



PROPERTY MAP AND ADJACENT FEATURES



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PZC PERMIT # _____	DATE OF APPROVAL _____	EXPIRATION DATE _____
PZC CHAIRMAN OR SECRETARY _____	DATE _____	

Property Owner / Applicant:

GALES FERRY INTERMODAL LLC
549 SOUTH STREET
QUINCY, MA 02169



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SURVEY NOTES

- THIS PLAN IS BASED ON MAP REFERENCE A AND B.
- REFERENCE IS MADE TO THE TOWN OF LEDYARD, CT LAND EVIDENCE RECORDS VOLUME 621 AT PAGE 981 FOR THE SUBJECT PROPERTY.
- THE SUBJECT PROPERTY IS LOCATED ENTIRELY WITHIN THE "I" INDUSTRIAL ZONE DISTRICT.
- "NATIONAL FLOOD INSURANCE PROGRAM FLOOD INSURANCE RATE MAP NEW LONDON COUNTY, CONNECTICUT ALL JURISDICTIONS PANEL 354, TOWN OF LEDYARD, MAP NUMBER 0901C0354G EFFECTIVE DATE JULY 18, 2011 FEDERAL EMERGENCY MANAGEMENT AGENCY" INDICATES THE SUBJECT PROPERTY IS LOCATED IN ZONE AE (EL 12) AND ZONE X.
- THE SUBJECT PROPERTY IS SHOWN ON THE TOWN OF LEDYARD, CT TAX ASSESSOR MAP 61 BLOCK 2120 AS LOT 1761 WHICH HAS ASSIGNED STREET ADDRESSES OF 1761 ROUTE 12, GALES FERRY, CONNECTICUT 06335.
- UNDERGROUND UTILITIES MUST BE FIELD VERIFIED PRIOR TO ANY EXCAVATION.
- INLAND WETLANDS WERE DELINEATED IN THE FIELD BY JMM WETLAND CONSULTING SERVICES, LLC AND LOCATED BY LOUREIRO ENGINEERING ASSOCIATES, INC., GROTON, CONNECTICUT.
- LIMITS OF FLOOD ZONE SHOWN ON PROPOSED PLAN ARE FROM FEMA NFIP MAP NUMBER 09011C0354G, EFFECTIVE DATE JULY 18, 2011.

MAP REFERENCES

- PROPERTY SURVEY, PROPERTY OF TRINSEO LLC, #1737 & #1761 MILITARY HIGHWAY (ROUTE 12), LEDYARD, GALES FERRY, CT, PREPARED FOR: JAY CASHMAN, INC., 549 SOUTH STREET, QUINCY, MA, SCALE: 1"=100', DATE: 5/10/2022, BY CHA.
- PROPERTY AND TOPOGRAPHIC SURVEY, #1737 & #1761 MILITARY HIGHWAY (ROUTE 12), LEDYARD, GALES FERRY, CT, PREPARED FOR: STYRON LLC "ALLYN'S POINT PLANT", BY CME.

SITE NOTES:

- THE APPLICANT/OWNER IS GALES FERRY INTERMODAL LLC OF 549 SOUTH STREET, QUINCY, MA.
- THE APPLICANT IS PROPOSING TO CONSTRUCT A 20,000 SF INDUSTRIAL BUILDING WHICH WILL BE UTILIZED BY THE APPLICANT, AND/OR ITS AFFILIATES, FOR STORAGE AND REPAIR OF MARINE EQUIPMENT AND APPURTENANCES WHICH ARE UTILIZED BY THE APPLICANT'S AFFILIATES IN CONJUNCTION WITH ITS MARINE CONTRACTING AND DREDGING OPERATIONS.
- OTHER USES ON THE SITE CURRENTLY INCLUDE MANUFACTURING OF STYROFOAM PRODUCTS BY AMERICAS STYRENICS, A TENANT OF THE PROPERTY.
- THE PURPOSE OF THESE PLANS IS FOR REVIEW BY THE LEDGE LIGHT HEALTH DISTRICT FOR COMPLIANCE WITH THE PUBLIC HEALTH CODE AND THE TOWN OF LEDYARD PLANNING & ZONING COMMISSION FOR A SPECIAL PERMIT APPLICATION FOR THE NEW INDUSTRIAL BUILDING. THESE PLANS ARE FOR PERMIT PURPOSES ONLY AND ARE NOT TO BE USED FOR CONTRACT DOCUMENTS.
- FOR EXACT BUILDING DIMENSIONS, SEE BUILDING PLANS PROVIDED.
- THE SUBJECT PROPERTY IS LOCATED WITHIN THE "I" INDUSTRIAL ZONE. THE PARCEL DOES LIE WITHIN THE COASTAL AREA MANAGEMENT ZONE. A PORTION OF THE SITE IS WITHIN THE FEMA AE (EL 12) AND ZONE X WHILE THE PROPOSED BUILDING IS LOCATED OUTSIDE OF ANY FEMA FLOOD ZONES.
- LOT COVERAGE CALCULATIONS:
 - ALLOWED @ 70% = 70% X 6,882,480 SF = 4,817,736 SF
 - PROVIDED: 2,091,741 (EXISTING) + 73,965 (PROPOSED) / 6,882,480 SF = 31.5 %
- PARKING CALCULATIONS FOR NEW INDUSTRIAL BUILDING:
 - REQUIRED:
 - 1 SPACE PER EMPLOYEE ON MAX SHIFT PLUS 1 SPACE PER FLEET VEHICLE
 - 1 SPACE PER EMPLOYEE ON MAX SHIFT X 10 EMPLOYEES PLUS 1 SPACE PER FLEET VEHICLE X 7 FLEET VEHICLES = 17 SPACES REQUIRED
 - PROPOSED:
 - 17 SPACES

NOTE: OTHER ON-SITE BUILDINGS AND USES WERE NOT EVALUATED FOR PARKING REQUIREMENTS.

- THERE SHALL BE NO ACTIVITY WITHIN THE WETLAND OR 100 FOOT INLAND WETLAND UPLAND REVIEW AREA UNLESS OTHERWISE PERMITTED AND AS SHOWN ON THESE PLANS.
- ANY MODIFICATION TO THE PLANS, INCLUDING ANY RECONFIGURATION OF THE PROPOSED FLOOR PLAN, IMPOSED BY ANOTHER FEDERAL, STATE OR LOCAL AGENCY SHALL REQUIRE ADDITIONAL REVIEW BY TOWN STAFF OR THE COMMISSION, WHICHEVER IS APPROPRIATE.
- THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS INCLUDING A CONNECTICUT D.O.T. ENCRoACHMENT PERMIT FOR ALL WORK WITHIN THE D.O.T. RIGHT-OF-WAY PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL OBTAIN, REVIEW AND ADHERE TO ALL REQUIREMENTS AND ANY CONDITIONS OF APPROVAL OF THE TOWN OF LEDYARD.
- NO SIGNAGE IS PROPOSED WITH THIS APPLICATION. ANY FUTURE SIGNAGE SHALL MEET THE ZONING REGULATIONS REQUIREMENTS AND WILL REQUIRE THE NECESSARY PERMITS.
- ANY EXTERIOR LIGHTING SHALL BE FULL CUTOFF AND SHALL BE SHIELDED TO DIRECT LIGHT AND GLARE AWAY FROM ALL ADJOINING PROPERTIES.
- ALL PROPOSED PAVEMENT MARKINGS SHALL BE INSTALLED IN THE LOCATIONS SHOWN WITH DURABLE WHITE PAVEMENT MARKING PAINT AND IN ACCORDANCE WITH THE MANUAL FOR UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.). THE HANDICAP PARKING SYMBOLS SHALL BE WHITE WITH STANDARD HANDICAP BLUE BACKGROUNDS. ALL TRAFFIC CONTROL SIGNS SHALL CONFORM TO M.U.T.C.D. STANDARDS.
- NEW SIDEWALKS, RAMPS AND DRIVEWAYS SHALL BE INSTALLED TO PROVIDE SMOOTH TRANSITION FOR PEDESTRIANS AND VEHICLES.
- ALL CURB/HANDICAP RAMP DESIGNS SHALL CONFORM TO ANSI STANDARDS OR ADA ACT OF 1991, WHICHEVER IS MOST RESTRICTIVE.
- ALL JOINTS BETWEEN EXISTING AND NEW PAVEMENT SHALL BE PROPERLY SAWCUT, TACK COATED AND SEALED AS APPLICABLE. ALL PROPOSED JOINTS SHALL BE FLUSH AND MATCH EXISTING GRADES. SAWCUT LINES MAY BE MODIFIED AS NECESSARY TO MEET CONSTRUCTION REQUIREMENTS UPON REVIEW AND APPROVAL BY THE DESIGN ENGINEER.
- ALL EXISTING CURBING, PAVEMENT, ETC. DISTURBED AS A RESULT OF CONSTRUCTION ACTIVITIES SHALL BE REPLACED/RESTORED TO ORIGINAL CONDITION BY THE CONTRACTOR.
- ALL TRAFFIC CONTROL SIGNS AND PAVEMENT MARKINGS SHALL CONFORM TO THE LATEST EDITION OF "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES" STANDARDS.

UTILITY NOTES:

- UNDERGROUND UTILITY LOCATIONS ARE APPROXIMATE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY LOCATIONS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL CONTACT "CALL BEFORE YOU DIG" AT 1-800-922-4455 PRIOR TO INITIATION OF THIS PROJECT. IF UTILITIES DIFFER FROM THOSE SHOWN ON THIS PLAN, ENGINEER SHALL BE NOTIFIED.
- SCHEMATIC UNDERGROUND UTILITIES (ELECTRIC, TELEPHONE, COMMUNICATIONS, WATER) ARE SHOWN ON THESE PLANS FOR INFORMATIONAL PURPOSES ONLY. FINAL LOCATIONS WILL BE DETERMINED BY RESPECTIVE UTILITY AUTHORITIES AND INSTALLATION SHALL CONFORM TO UTILITY AUTHORITY POLICIES AND PRACTICES.
- ALL NEW UTILITIES, INCLUDING CATV, WILL BE LOCATED UNDERGROUND.
- ELECTRIC, TELEPHONE AND COMMUNICATION SERVICES SHALL CONFORM TO THE POLICIES AND PRACTICES OF THE APPROPRIATE UTILITY AUTHORITIES.
- UTILITY SERVICE SIZES, MATERIALS, AND INSTALLATIONS SHALL BE APPROVED AND INSPECTED BY THE APPROPRIATE UTILITY COMPANY.
- PROVIDE MINIMUM VERTICAL SEPARATION OF 12" FROM WATER MAIN TO DRAINAGE PIPING AND 18" TO SEWER PIPING.
- LOCATION AND SIZE OF ALL BUILDING UTILITY CONNECTIONS SHALL BE COORDINATED WITH BUILDING ARCHITECTURAL PLANS AND APPROPRIATE UTILITY AUTHORITY.
- WATER LINE INSTALLATION NOTES:
 - DOMESTIC AND FIRE PROTECTION WATER SERVICES SHALL BE SIZED BASED ON DEMAN AND COORDINATED WITH GROTON UTILITIES, THE PROVIDER THROUGH THE TOWN OF LEDYARD WPCA.
 - SITE MUST BE AT SUBGRADE BEFORE WATER UTILITIES CAN BE INSTALLED.
 - ALL WATER MAIN AND SERVICE INSTALLATIONS SHALL CONFORM TO THE CITY OF GROTON, DEPARTMENT OF UTILITIES, WATER MAIN AND SERVICE CONSTRUCTION SPECIFICATIONS, WITH MOST CURRENT REVISIONS.
 - APPROVED BACKFLOW PREVENTERS ARE REQUIRED ON ALL FIRE SPRINKLER AND DOMESTIC WATER LINES.
 - MINIMUM COVER OVER TOP OF WATER LINES SHALL BE 4.5' FROM FINISHED GRADE.
 - NO BACKFILLING OF PIPE SHALL BE DONE UNTIL A DESIGNATED REPRESENTATIVE OF THE CITY OF GROTON, DEPARTMENT OF UTILITIES HAS MADE AN INSPECTION AND INSTALLATION HAS BEEN APPROVED.
 - PIPE SEPARATIONS:
 - 10' MINIMUM BETWEEN WATER AND SEWER
 - 10' MINIMUM BETWEEN WATER AND BUILDINGS
 - 5' MINIMUM BETWEEN WATER AND CATCH BASINS OR DRAIN PIPES
 - WATER LINE GATE VALVES TO BE "OPEN LEFT, CLOSE RIGHT".
 - NEW WATER LINES TO BE CHLORINATED, PRESSURE TESTED, WATER QUALITY SAMPLED, AND FLUSHED PER CITY OF GROTON, DEPARTMENT OF UTILITIES REQUIREMENTS PRIOR TO BEING PLACED INTO SERVICE.
- MINIMUM 6" SEPARATION BETWEEN ELECTRIC AND ALL OTHER PIPES SUCH AS WATER, SEWER AND DRAINS.
- ALL UTILITIES AND ON-SITE STORM DRAINAGE SHALL BE STRUCTURALLY SUPPORTED TO MINIMIZE DISRUPTION FROM SETTLEMENT OF UNDERLYING SOIL.

EROSION AND SEDIMENTATION (E&S) CONTROL PLAN:

NARRATIVE

- THIS EROSION AND SEDIMENTATION CONTROL (ESC) PLAN IS FOR THE CONSTRUCTION OF A NEW 20,000 SF INDUSTRIAL BUILDING WITH ASSOCIATED LOADING DOCKS, ACCESS DRIVE, PARKING, UTILITY IMPROVEMENTS, LANDSCAPING IMPROVEMENTS, STORMWATER MANAGEMENT IMPROVEMENTS, A NEW SUBSURFACE SEWAGE DISPOSAL SYSTEM, AND OTHER ASSOCIATED SITE IMPROVEMENTS.
- THE TOPOGRAPHY VARIES ACROSS THE SITE AND GENERALLY SLOPES FROM ROUTE 12 TO THE EXISTING ON-SITE INLAND WETLANDS. THE PORTION OF THE SITE WHERE THE PROPOSED WORK IS LOCATED SLOPES TO THE NORTH, SOUTH AND WEST. THE UNDERLYING SOIL ON THE SITE IS MOSTLY CONSIST OF THE LOAMY SAND, HYDROLOGIC SOIL GROUP B.
- A LARGE PORTION OF THE UPLAND SOILS WILL BE DISTURBED BY EARTHWORK ACTIVITIES AND THE INTENT OF THIS EROSION AND SEDIMENT CONTROL PLAN IS TO ESTABLISH STORMWATER CONTROLS DURING CONSTRUCTION TO PREVENT THE DISCHARGE OF SEDIMENT LADEN RUNOFF FROM ENTERING THE EXISTING INLAND WETLANDS.
- EROSION CONTROL MEASURES INTENDED TO MINIMIZE SOIL EROSION AND TO CONTROL SEDIMENTATION DURING CONSTRUCTION INCLUDE:
 - THE INSTALLATION OF SILT FENCE ALONG THE DOWN-GRADIENT LIMIT OF DISTURBANCE. INSTALL HAYBALES AS SHOWN ON PLANS.
 - INSTALL SILTSACKS IN EXISTING CATCH BASINS IN THE PROJECT AREA. INSTALL SILT SACKS IN NEW CATCH BASINS DURING CONSTRUCTION.
 - THE IMMEDIATE STABILIZATION OF FINAL GRADED AREAS THROUGH THE PLACEMENT OF RIPRAP, TOPSOIL, SEED, MULCH AND EROSION CONTROL NETTING.
 - DEVELOPMENT OF A CONSTRUCTION OPERATIONS PLAN IN CONSIDERATION OF BASIC CONSTRUCTION SEQUENCING OUTLINED HEREIN.
- IT IS ANTICIPATED THAT SITE WORK CONSTRUCTION WILL BEGIN IN THE SPRING OF 2023 AND WILL BE COMPLETED IN THE FALL OF 2023.

GENERAL E&S REQUIREMENTS

- PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL MEET WITH THE TOWN REPRESENTATIVE TO DISCUSS ESC REQUIREMENTS AND STORMWATER MANAGEMENT PROCEDURES.
- CONSTRUCTION ENTRANCE SHALL BE INSTALLED BEFORE CONSTRUCTION TRAFFIC INTO AND OUT OF THE SITE BEGINS.
- THE CONTRACTOR SHALL INSTALL HAYBALES AND SILT FENCING AS SHOWN ON THE EROSION & SEDIMENT CONTROL PLAN PRIOR TO INITIATING CONSTRUCTION ACTIVITIES AND SHALL BE MAINTAINED/REPAIRED UNTIL FINAL STABILIZATION OF ALL DISTURBED AREAS.
- THE CONTRACTOR SHALL SEED AND MULCH DISTURBED AREAS EXPECTED TO REMAIN UNSTABILIZED FOR A PERIOD OF MORE THAN 30 DAYS.
- THE CONTRACTOR SHALL COMPLETE PERMANENT SEEDING BETWEEN APRIL 15TH THROUGH JUNE 15TH AND AUGUST 15TH THROUGH SEPTEMBER 15TH. APPLY PERMANENT SOIL STABILIZATION MEASURES TO ALL GRADED AREAS WITHIN 7 DAYS OF ESTABLISHING FINAL GRADE AT A RATE OF 90 POUNDS PER 1,000 SQUARE FEET. RECOMMENDED SEED MIXTURE: FUTURA 2000 BY THE CHAS. C. HART CO. CONTAINING THE FOLLOWING VARIETIES OF PERENNIAL RYEGRASSES: FIESTA II, BLAZER II, DASHER II AND EXPRESS.
- UPON COMPLETION OF CONSTRUCTION, ALL DRAINAGE STRUCTURES SHALL BE CLEANED OF SEDIMENT AND DEBRIS. ALL REMOVED SEDIMENTS AND DEBRIS SHALL BE DISPOSED OFF-SITE.
- THE CONTRACTOR IS RESPONSIBLE FOR DUST CONTROL DURING THE CONSTRUCTION PROCESS. THE CONSTRUCTION MANAGER SHALL INSPECT THE SITE TO ASSURE DUST IS ADEQUATELY CONTROLLED. IF THE CONSTRUCTION MANAGER DETERMINES DUST CONTROL MEASURES ARE NOT ADEQUATE, THE CONTRACTOR SHALL BE REQUIRED TO INCREASE THESE MEASURES AS DIRECTED BY THE CONSTRUCTION MANAGER.
- THE CONTRACTOR SHALL MAINTAIN EROSION CONTROLS.
- EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF THE STATE OF CONNECTICUT SOIL EROSION AND SEDIMENT CONTROL HANDBOOK. ALL MEASURES SHALL BE MAINTAINED AND UPGRADED TO ACHIEVE PROPER SEDIMENT CONTROL DURING CONSTRUCTION.
- THE CONSTRUCTION MANAGER SHALL BE RESPONSIBLE FOR IMPLEMENTING AND INSPECTING EROSION AND SEDIMENT CONTROL MEASURES PER THIS PLAN AND SHALL INFORM ALL CONTRACTORS OF THE OBJECTIVES AND REQUIREMENTS OF THE PLAN. THE OWNER SHALL NOTIFY THE PROPER TOWN AGENCY OF ANY TRANSFER OF THIS RESPONSIBILITY AND SHALL ADVISE THE TOWN REGARDING THE NEED FOR IMPLEMENTING ADDITIONAL CONTROL MEASURES OR MAINTAINING EXISTING MEASURES AS DEEMED NECESSARY DURING CONSTRUCTION. WEEKLY INSPECTIONS SHALL BE CONDUCTED AND/OR WITHIN 24 HOURS OF THE END OF A STORM HAVING A RAINFALL AMOUNT OF 1/4 INCH OR GREATER. MONTHLY WRITTEN REPORTS SHALL BE PREPARED INFORMING THE TOWN OF LEDYARD OBSERVATIONS, MAINTENANCE, AND CORRECTIVE ACTIONS.

CONSTRUCTION SEQUENCE

THE INTENT OF THE FOLLOWING CONSTRUCTION SEQUENCE IS TO ESTABLISH STORMWATER CONTROLS DURING EARTHWORK ACTIVITIES TO PREVENT THE DISCHARGE OF SEDIMENT LADEN RUNOFF FROM ENTERING STORM DRAIN SYSTEMS, WETLANDS AND WATERCOURSES.

THE ESC PLAN SHOWS THE PROPOSED GRADING WHICH DEPICTS THE APPROXIMATE EXCAVATION LIMITS AND RESULTING DRAINAGE PATTERNS UPON WHICH THE ESC MEASURES ARE PREDICATED. THE CONTRACTOR SHALL DEVELOP A CONSTRUCTION EXCAVATION PLAN BASED ON THEIR OPERATIONAL REQUIREMENTS.

- CONTACT "CALL BEFORE YOU DIG" TO MARK OUT ALL UTILITY LOCATIONS PRIOR TO ANY CONSTRUCTION ACTIVITIES.
- ENSURE ALL LAND USE PERMITS HAVE BEEN SECURED. OBTAIN ALL NECESSARY PERMITS.
- THE PROJECT LAND SURVEYOR SHALL STAKE OUT PROPOSED CLEARING LIMITS PRIOR TO CONSTRUCTION.
- INSTALL TEMPORARY CONSTRUCTION ENTRANCE, SEDIMENT FENCES AND/OR HAY BALE BARRIERS AS SHOWN ON THE EROSION & SEDIMENT CONTROL PLAN.
- REMOVE ALL TREES, BRUSH AND STUMPS WITHIN CLEARING LIMITS AS NECESSARY. PROTECT WETLANDS AT ALL TIMES. THERE SHALL BE NO BURIAL OF CONSTRUCTION DEBRIS, STUMPS, BRUSH OR UNSUITABLE MATERIAL ON SITE.
- EXCAVATE AND/OR FILL WORK SITE TO SUBGRADE LEVEL.
 - NO ROCK CRUSHING AND/OR BLASTING IS PROPOSED. IF BLASTING IS REQUIRED FOR ROCK REMOVAL, A PRE-BLAST SURVEY SHALL BE PERFORMED. IF BLASTING AND ROCK CRUSHING ARE REQUIRED THEN APPROVAL OF THE PLANNING AND ZONING COMMISSION IS REQUIRED.
 - FILL WILL BE PLACED AND COMPACTED IN 8 INCH LIFTS AND SHALL BE FREE OF BRUSH, RUBBISH, LOGS, BUILDING DEBRIS, OR ANY OTHER OBJECTIONABLE MATERIAL.
 - MOISTEN SOIL SURFACE PERIODICALLY WITH WATER TO MINIMIZE DUST.
- THE PROPOSED BUILDING AND SEPTIC SYSTEM SHALL BE STAKED OUT BY A LICENSED LAND SURVEYOR PRIOR TO CONSTRUCTION.
- BEGIN CONSTRUCTION OF BUILDINGS, SEPTIC SYSTEM, AND INSTALL UTILITIES. ADD EROSION CONTROL DEVICES AS NEEDED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTING THE BUILDING AND SEPTIC SYSTEM IN THE EXACT LOCATION SHOWN AND SHALL BE CONSTRUCTED TO THE EXACT DIMENSIONS SHOWN ON THE LATEST SITE AND ARCHITECTURAL PLANS IN ACCORDANCE WITH THE APPROVED PLANS.
- INSTALL STORMWATER MANAGEMENT IMPROVEMENTS AND DRAINAGE STRUCTURES STARTING FROM THE MOST DOWNGRADIENT IMPROVEMENTS.
- ALL DISTURBED AREAS NOT COVERED BY BUILDINGS, PARKING, SIDEWALKS, GRAVEL SURFACES, ETC., SHALL BE GRADED AND STABILIZED AS FOLLOWS:
 - PLACE MINIMUM 4 INCHES OF TOPSOIL IN ALL AREAS.
 - APPLY RECOMMENDED SEED MIXTURE AT RECOMMENDED RATE.
 - APPLY STRAW OR HAY MULCH ON ALL SEEDDED AREAS. ALL GRADED AREAS WITH SLOPES GRADED AT 3H:1V OR STEEPER SHALL BE STABILIZED WITH EROSION CONTROL BLANKETS.
- PLACE AND COMPACT BASE MATERIAL TO FINAL GRADE. INSTALL PAVEMENT, CURB, SIDEWALKS, GRAVEL STEPS, ETC.
- INSTALL FINAL PAVEMENT COURSE.
- FINAL GRADE AND PLACE TOPSOIL SEED AND MULCH.
- WHEN ALL DISTURBED AREAS ARE PERMANENTLY STABILIZED, REMOVE ALL EROSION AND SEDIMENT CONTROLS. REMOVE TRAPPED SEDIMENT.

MAINTENANCE OF EROSION CONTROL DEVICES:

- HAYBALE BARRIERS/GEOTEXTILE SILT FENCES:
 - INSPECT HAY BALE BARRIERS/GEOTEXTILE SILT FENCE AT LEAST ONCE A WEEK AND WITHIN 24 HOURS AFTER THE END OF A STORM WITH A RAINFALL AMOUNT OF 1/2" OR GREATER TO DETERMINE MAINTENANCE NEEDS.
 - REMOVE SEDIMENT DEPOSITS OR INSTALL A SECONDARY BARRIER/FENCE WHEN SEDIMENT DEPOSITS REACH APPROXIMATELY ONE HALF HEIGHT OF THE BARRIER/FENCE.
 - REPLACE OR REPAIR THE BARRIER/FENCE WITHIN 24 HOURS OF OBSERVED FAILURE. IF REPETITIVE FAILURE OCCURS, CONSULT 2002 GUIDELINES FOR TROUBLESHOOTING FAILURES.
 - MAINTAIN THE HAY BALE BARRIER/SILT FENCE UNTIL THE CONTRIBUTING AREA IS STABILIZED.
 - AFTER UPSLOPE AREAS HAVE BEEN PERMANENTLY STABILIZED, REMOVE STAKES FROM HAY BALES; PULL UP FENCE SUPPORT POSTS AND CUT OFF GEOTEXTILE AT GROUND. UNLESS OTHERWISE REQUIRED, HAY BALES MAY BE LEFT IN PLACE OR BROKEN UP FOR GROUND COVER. IF ACCUMULATED SEDIMENT EXCEEDS 6 INCHES, RE-GRADE OR REMOVE SEDIMENT. STABILIZE ANY DISTURBED SOILS.
- CONSTRUCTION ENTRANCES AND ROADWAYS:
 - MAINTAIN THE ENTRANCE IN A CONDITION WHICH WILL PREVENT TRACKING AND WASHING OF SEDIMENTS ONTO PAVED SURFACES.
 - PROVIDE PERIODIC TOP DRESSING AND ADDITIONAL STONE OR LENGTH AS NECESSARY.
 - IMMEDIATELY REMOVE ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PAVED SURFACES. ROADS ADJACENT TO THE CONSTRUCTION SITE SHALL BE LEFT CLEAN EVERY DAY.

STORMWATER MANAGEMENT SYSTEM MAINTENANCE PLAN:

- GENERAL
 - THE ACCESS DRIVE AND PARKING AREAS SHOULD BE SWEEPED AT LEAST ONCE PER YEAR, PREFERABLY AFTER THE END OF THE WINTER SANDING SEASON.
- CATCH BASINS AND MANHOLES
 - A CONNECTICUT-LICENSED HAULER SHALL PUMP THE SUMPS OF ON-SITE CATCH BASINS AND MANHOLES, AND SHALL DISPOSE OF THE PUMPING LEGALLY. ROAD SAND MAY BE REUSED FOR WINTER SANDING, BUT MAY NOT BE STORED ON-SITE. AS PART OF THE HAULING CONTRACT, THE HAULER SHALL NOTIFY THE PROPERTY OWNER IN WRITING WHERE THE MATERIAL IS BEING DISPOSED.
 - EACH CATCH BASIN SHALL BE INSPECTED EVERY FOUR MONTHS, WITH ONE INSPECTION OCCURRING DURING THE MONTH OF APRIL. ANY DEBRIS OCCURRING WITHIN ONE FOOT FROM THE BOTTOM OF EACH SUMP SHALL BE REMOVED BY VACUUM "VACTOR" TYPE OF MAINTENANCE EQUIPMENT.
- STORMTECH UNDERGROUND INFILTRATION/DETENTION SYSTEM
 - THE ISOLATOR ROWS SHALL BE CLEANED AT THE END OF CONSTRUCTION ONCE THE CONTRIBUTING AREAS ARE FULLY STABILIZED. FOR THE FIRST YEAR OF OPERATION FOLLOWING CONSTRUCTION, THE CHAMBER ROWS SHALL BE INSPECTED ONCE EVERY 6 MONTHS.
 - AFTER THE FIRST YEAR OF OPERATION, THE CHAMBERS SHALL BE INSPECTED A MINIMUM OF ONCE PER YEAR. IF UPON VISUAL INSPECTION IT IS FOUND THAT SEDIMENT HAS ACCUMULATED, A STADIA ROD SHOULD BE INSERTED TO DETERMINE THE DEPTH OF THE SEDIMENT. WHEN THE AVERAGE DEPTH OF ACCUMULATION EXCEEDS 3", A CLEAN-OUT SHOULD BE PERFORMED AND PROPERLY DISPOSED OFF-SITE. CLEAN-OUT SHOULD BE ACCOMPLISHED USING A JETVAC PROCESS.
 - A DETAILED MAINTENANCE LOGBOOK SHALL BE KEPT ON-SITE FOR THE UNITS BY THE PROPERTY OWNER/MANAGER. INFORMATION IS TO INCLUDE, BUT NOT BE LIMITED TO, THE DATE OF INSPECTION, RECORD OF SEDIMENT DEPTH, GENERAL OBSERVATIONS, AND DATE OF CLEANING PERFORMED.
- HYDRODYNAMIC SEPARATOR
 - THE SEPARATOR SHALL BE CLEANED PERIODICALLY DURING CONSTRUCTION, AND AT THE END OF CONSTRUCTION ONCE THE LANDSCAPED AREAS ARE FULLY STABILIZED.
 - FOR THE FIRST YEAR OF OPERATION FOLLOWING CONSTRUCTION, THE SEPARATOR SHALL BE INSPECTED ONCE EVERY 4 MONTHS FOR THE MONTHS OF NOVEMBER, MARCH, AND JULY. A GRADUATED MEASURING DEVICE SHALL BE INSERTED INTO MANHOLE AND MEASUREMENTS OF ANY ACCUMULATIONS WILL BE RECORDED. CLEANING WILL OCCUR WHEN DEBRIS HAS ACCUMULATED TO A DEPTH OF 20" OR GREATER.
 - AFTER THE FIRST YEAR OF OPERATION, THE SEPARATOR SHALL BE INSPECTED A MINIMUM OF TWICE PER YEAR IN THE SAME MANNER AS DESCRIBED ABOVE. WHEN THE DEPTH OF ACCUMULATION REACHES 20", A CLEAN-OUT SHOULD BE PERFORMED AND SEDIMENT PROPERLY DISPOSED OF OFF-SITE. DEBRIS WILL BE REMOVED BY VACUUM "VACTOR" TYPE OF EQUIPMENT. THE MANHOLE SHOULD THEN BE PRESSURE WASHED TO REMOVE REMAINING SEDIMENT AND DEBRIS AND THE WATER SHOULD THEN BE VACUUMED OUT. ONCE CLEANING IS COMPLETE THE MANHOLE SHOULD BE REFILLED WITH WATER.
 - A DETAILED MAINTENANCE LOGBOOK SHALL BE KEPT FOR THE UNIT. INFORMATION IS TO INCLUDE THE DATE OF INSPECTION, RECORD OF GRIT DEPTH, CONDITION OF TANK, OBSERVATION OF ANY FLOATABLE DEBRIS, AND DATE OF CLEANING PERFORMED.

ZONING DATA TABLE

'I' INDUSTRIAL ZONE USE - COMMERCIAL		
ITEM	REQUIRED	PROVIDED
LOT AREA	200,000 SQ. FT. (4.59 AC.)	6,882,480 SQ. FT. (158 AC.)
FRONTAGE	200 FT.	3700 ± FT.
LOT WIDTH	200 FT	> 200 FT.
FRONT SETBACK	35 FT.	145 ± FT.
SIDE SETBACK	25 FT	45 ± FT.
REAR SETBACK	25 FT.	220 ± FT.
LOT COVERAGE (%) (SEE SITE NOTE 5)	70% (4,817,736 SQ. FT.)	31.5 % (2,165,706 SQ. FT.)
BUILDING HEIGHT	65 FT.	32 ± FT. (SEE ARCHITECTURAL PLANS)
PARKING (# OF SPACES) (SEE SITE NOTE 6)	17 SPACES	17 SPACES
WATER SUPPLY	MUNICIPAL	
SANITARY DISPOSAL	ONSITE SSDS	



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Loureiro Engineering Associates, Inc.
1761 ROUTE 12, GALES FERRY, CONNECTICUT 06335
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NOTES, LEGEND, AND ABBREVIATIONS

GALES FERRY INTERMODAL LLC
1761 ROUTE 12, GALES FERRY, CONNECTICUT 06335

GALES FERRY INTERMODAL LLC
549 SOUTH STREET, QUINCY, MA 02418

LEGEND

AC	ACRES	---	EXISTING CONTOUR
BIT CONC	BITUMINOUS CONCRETE	---	EXISTING INDEX CONTOUR
TC	TOP OF CURB	x6.1	NEW SPOT GRADE
CHD	CONNECTICUT HIGHWAY DEPARTMENT MONUMENT	—5—	NEW CONTOUR
		—5—	NEW INDEX CONTOUR
BC	BOTTOM OF CURB	---	BUILDING SETBACK LINE
C.O.	CLEAN OUT	—W—	MUNICIPAL WATER
CL&P	CONNECTICUT LIGHT & POWER	—E—	UNDERGROUND ELECTRIC
LLR	LEDYARD LAND RECORDS		CATCH BASIN W/ E&S
FF	FINISHED FLOOR		SEDIMENT FENCE
INV	INVERT		SIGN
M/L	MORE OR LESS		UTILITY POLE
MIN	MINIMUM		DECIDUOUS TREE
N/F	NOW OR FORMERLY		
SF	SQUARE FEET		
TYP	TYPICAL		

13

SOIL TYPE - TAKEN FROM NATURAL RESOURCES CONSERVATION SERVICE, WEBSOIL SURVEY, NATIONAL COOPERATIVE SOIL SURVEY

PZC PERMIT # _____	DATE OF APPROVAL _____	EXPIRATION DATE _____
PZC CHAIRMAN OR SECRETARY _____	DATE _____	

- 1.) "RIGHT OF WAY AND TRACK MAP OPERATED BY THE NORWICH AND WORCESTER R.R. CO. OPERATED BY THE NEW YORK NEW HAVEN AND HARTFORD R.R. CO. FROM W.C. GROTON TO GROTON STATION 3405+60 TO STATION 3405+60 TOWN OF LEDYARD, STATE OF CONN" SCALE "1"=50' DATE: JUNE 30, 1915 REVISD THROUGH OCTOBER 9, 1947. OFFICE OF VALUATION ENGINEER, BOSTON MASS. MAP NO. V.5062 / 129.
- 2.) "RIGHT OF WAY AND TRACK MAP OPERATED BY THE NORWICH AND WORCESTER R.R. CO. OPERATED BY THE NEW YORK NEW HAVEN AND HARTFORD R.R. CO. FROM WORCESTER TO GROTON STATION 3405+60 TO STATION 32+00. TOWN OF LEDYARD, STATE OF CONN" SCALE "1"=50' DATE: JUNE 30, 1915, OFFICE OF VALUATION ENGINEER, BOSTON MASS. MAP NO. V.5063 / 130.
- 3.) "RIGHT OF WAY AND TRACK MAP OPERATED BY THE NORWICH AND WORCESTER R.R. CO. OPERATED BY THE NEW YORK NEW HAVEN AND HARTFORD R.R. CO. FROM WORCESTER TO GROTON STATION 32+00 TO STATION 58+40 TOWN OF LEDYARD, STATE OF CONN" SCALE "1"=50' DATE: JUNE 30, 1915 REVISD THROUGH APRIL 11, 1951, OFFICE OF VALUATION ENGINEER, BOSTON MASS. MAP NO. V.5063 / 131.
- 4.) "RIGHT OF WAY AND TRACK MAP OPERATED BY THE NORWICH AND WORCESTER R.R. CO. OPERATED BY THE NEW YORK NEW HAVEN AND HARTFORD R.R. CO. FROM WORCESTER TO GROTON STATION 58+40 TO STATION 84+80 TOWN OF LEDYARD, STATE OF CONN" SCALE "1"=50' DATE: JUNE 30, 1915 REVISD THROUGH APRIL 11, 1951, OFFICE OF VALUATION ENGINEER, BOSTON MASS. MAP NO. V.5063 / 132.

5.) "NORWICH AND WORCESTER RAILROAD REAL ESTATE & RIGHT OF WAY DEPARTMENT LAND IN LEDYARD, CONN. TO BE CONVEYED TO THE DOW CHEMICAL COMPANY" SCALE "1"=200' DATE: SEPTEMBER 1950 REVISED THROUGH OCTOBER 1950. ON FILE AS MAP NO. 8A.

6.) "LOCATION OF THE RIGHT OF WAY OF THE CONNECTICUT LIGHT & POWER COMPANY ACROSS THE PROPERTY OF THE DOW CHEMICAL COMPANY, TOWN OF LEDYARD, COUNTY OF NEW LONDON, STATE OF CONNECTICUT" SCALE "1"=200' DATE: APRIL 17, 1951.

7.) "MAP OF PROPERTY OWNED BY THE DOW CHEMICAL COMPANY LOCATED AT ALLYN'S POINT ON THE WEST SIDE OF ROUTE 12 AND EAST OF THE NEW YORK NEW HAVEN & HARTFORD RAILROAD, LEDYARD, CONN." SCALE "1"=100' DATE: JULY 1952 REVISED AUGUST 1953, G.L. BILDERBECK CONSULTING ENGINEERS, NEW LONDON, CONN.

8.) "MAP SHOWING PROPERTY OWNED BY DOW CHEMICAL COMPANY, ALLYN'S POINT, LEDYARD, CONN." SCALE: "1"=100' DATE : DECEMBER 1953, G.L. BILDERBECK, CONSULTING ENGINEERS, NEW LONDON, CONN. ON FILE AS MAP NO. 43A.

9.) "CONNECTICUT STATE HIGHWAY DEPARTMENT RIGHT OF WAY MAP TOWN OF LEDYARD NORWICH-GROTON ROAD FROM ALLYN'S BROOK NORTHERLY TO LEDARD-PRESTON TOWN LINE" SCALE: 1"=40' DATE: NOVEMBER 5, 1957, SHEETS 1 THROUGH 3 OF 9 PROJECT NUMBER 11-16. THESE MAPS SUPERSEDE PROJECT 71-05, SHEET 3 REVISED AUGUST 25, 1967.

10.) "CONNECTICUT STATE HIGHWAY DEPARTMENT RIGHT OF WAY MAP TOWN OF LEDYARD GROTON-NORWICH ROAD GLASS FERRY ROAD TO ALLYN'S BROOK" SCALE: 1"=40' DATE: NOVEMBER 5, 1957, SHEETS 1 THROUGH 4 OF 4, PROJECT NUMBER 71-15. THESE MAPS SUPERSEDE PROJECT 71-04, SHEET 1 REVISED THROUGH MAY 17, 2004.

11.) "PLAN SHOWING LANDS NOW AND FORMALLY OF H. WINTHROP HURLBUTT LEDYARD, CONNECTICUT" SCALE: 1"=100' DATE: OCTOBER 1964, GEORGE H. DIETER, LAND SURVEYOR, ON FILE AS MAP # 226.

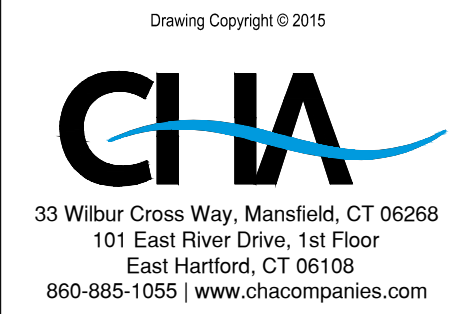
12.) "PLAN OF PROPERTY TO BE CONVEYED TO THE TOWN OF LEDYARD BY THE DOW CHEMICAL COMPANY, TOWN OF LEDYARD, CONN." SCALE: 1"=100' DATE: APRIL 1972, CHANDLER, PALMER & KING, NORWICH, CONN.

13.) "PLAN SHOWING PARCELS OF LAND WITH BUILDINGS PROPERTY OF JAMES L. LEWIS AND ALICE L. LEWIS, PENTWAY AT WEST END CHAPMAN LANE LEDYARD, CONNECTICUT" MAP #1=20' DATE JUNE 1976, GEORGE H. DIETER, LAND SURVEYOR, ON FILE AS MAP # 672.

14.) "TOPOGRAPHICAL PLAN, PLAN OF A PORTION OF DOW CHEMICAL CO. ALLYN'S POINT PLANT GALE'S FERRY, CONN." MAP #1=40' DATE: JULY 9, 1984 REVISIONS THROUGH AUGUST 28, 1984, CHANDLER PALMER & KING, NORWICH, CONN.

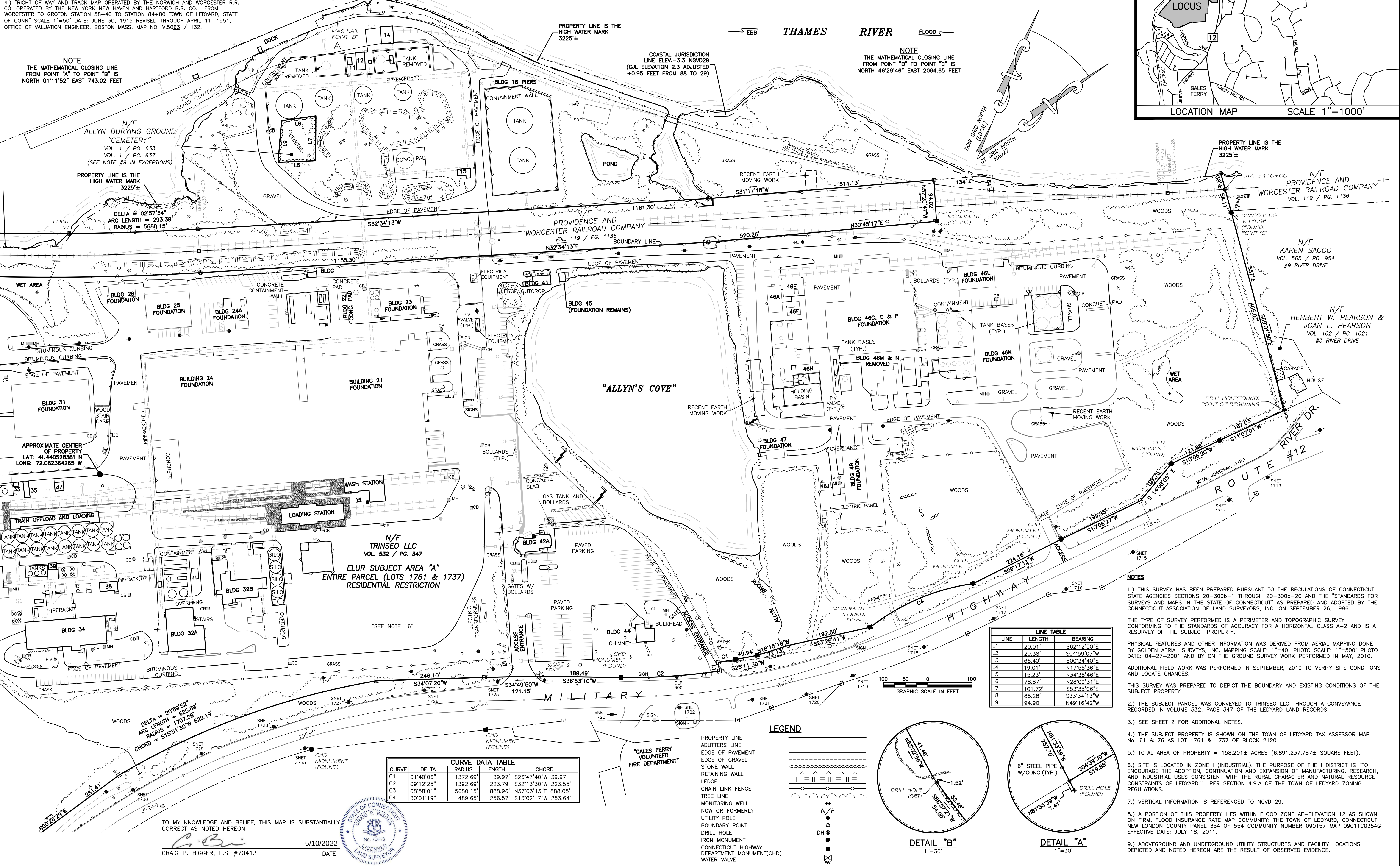
15.) "MONUMENTED PROPERTY SURVEY MAP DEPICTING LAND OF GALE'S FERRY MARINA, INC. A PORTION OF LAND OF JAMES L. LEWIS AND LUCILLE A. LUPINACCI, CHAPMAN LANE, GALE'S FERRY, LEDYARD, CONNECTICUT" MAP #1=40' DATE: MARCH 26, 1994 REVISED APRIL 19, 1994, DAVID L. STEIN, LAND SURVEYOR, WESTBROOK, CONNECTICUT, ON FILE AS MAP #1753.

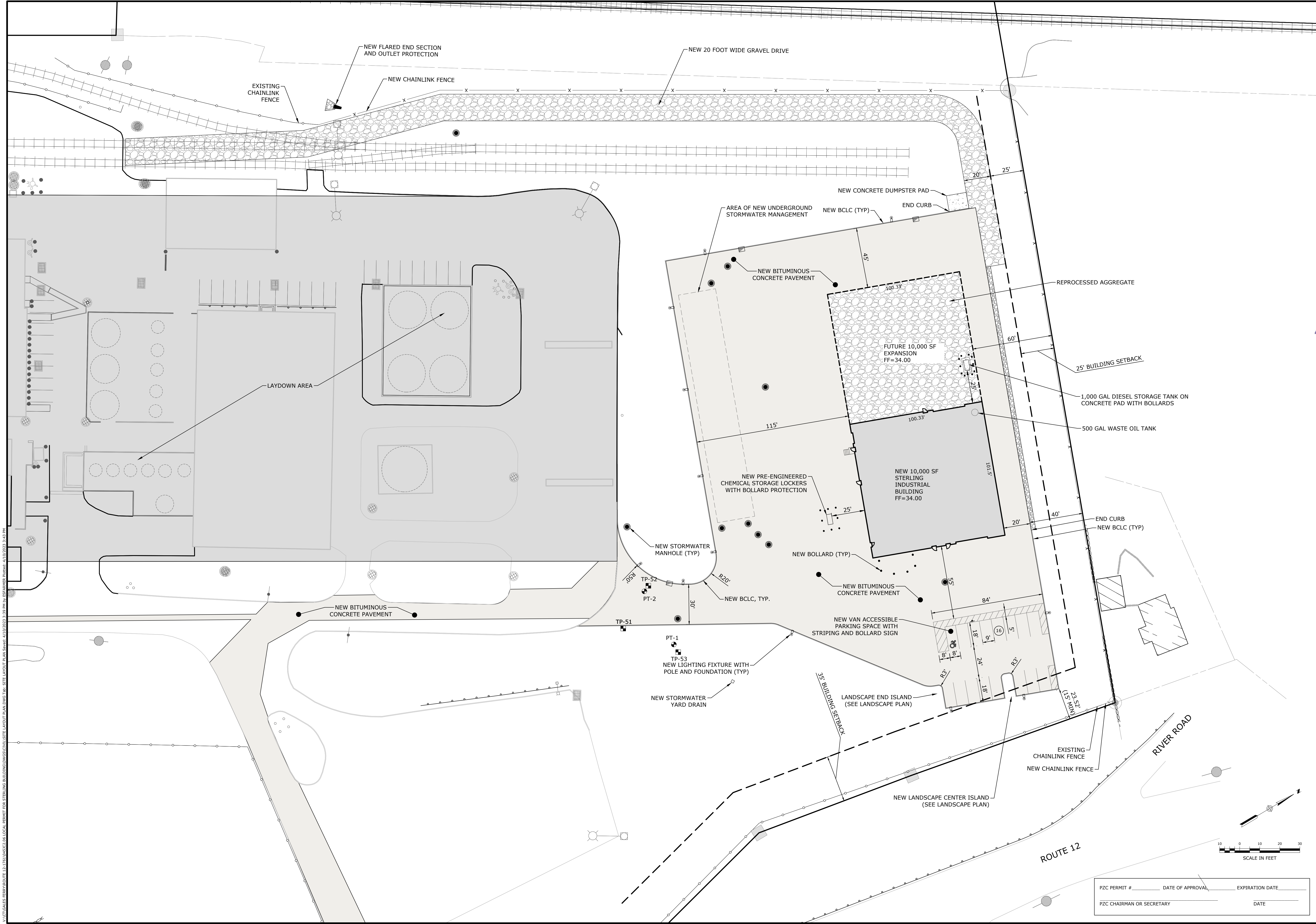
16.) COMPILED PLAN MAP SHOWING EASEMENT AREA TO BE GRANTED TO THE YANKEE GAS SERVICES COMPANY ACROSS THE PROPERTY OF DOW CHEMICAL COMPANY (ALLYN'S POINT PLANT) #1761 ROUTE 12 GALES FERRY--LEDYARD CONNECTICUT MAP: #1=60" SHEET 1 OF 1 DATE: 03-04-2010 YANKEE FILE #00048, BY CME ASSOCIATES, INC. ON FILE AS MAP #2629.



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR TO ALTER ANY INFORMATION ON AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL, IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

PROPERTY SURVEY		
Designed By: ---	Drawn By: CB	Checked By: CB
Issue Date: 5/10/2022	Project No: 076625	Scale: 1" = 100'
Drawing No.:		
SHEET 1 OF 2		





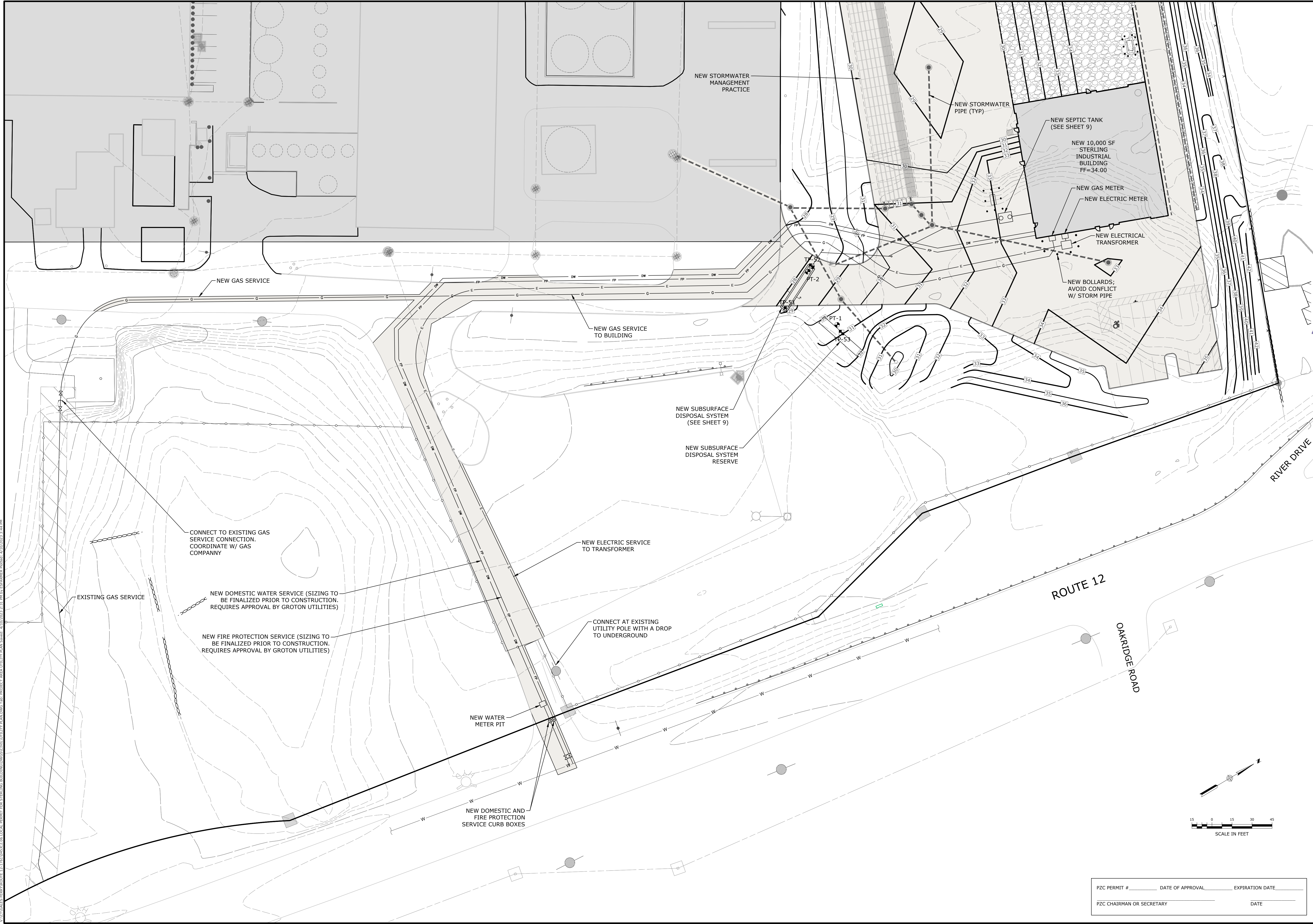
V:\ACT\GALES FERRY\ROUTE 12-1761\0451C2\04 LOCAL PERMIT FOR STERLING BUILDING\DWG\04 SITE LAYOUT PLAN.DWG Job: SITE LAYOUT PLAN Saved: 4/10/2023 3:18 PM by: ESKANWB Printed: 4/10/2023 3:43 PM

SITE LAYOUT PLAN		GALES FERRY INTERMODAL 1761 ROUTE 12, GALES FERRY, CONNECTICUT 06335		GALES FERRY INTERMODAL LLC 383 SOUTH STREET, SUITE 100, DANBURY, CT 06810	
SCALE 1"=30'		CORN. NO. 0451C2.06		DATE 04/06/2023	
DRAWN BY ESF		APPROVED BY SRM		DATE 04/06/2023	
PZC PERMIT #		DATE OF APPROVAL		EXPIRATION DATE	
PZC CHAIRMAN OR SECRETARY		DATE			
SHEET NO. 6		NO. OF SHEETS 20		DATE 04/06/2023	
REV. 1		REVISED PER UPDATED LAYOUT		DATE 04/06/2023	
SRM		APPR.		DATE 04/06/2023	

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C-4

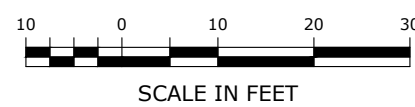
V:\ACT\GALES FERRY\ROUTE 12-1761\0451C2.dwg LOCAL PERMIT FOR STERLING BUILDING\CONJUNCTION UTILITY PLAN.DWG Job: PROJECT AREA UTILITY PLAN Saved: 4/10/2023 2:11 PM by: ESKANBER Revised: 4/10/2023 3:44 PM



PZC PERMIT #	DATE OF APPROVAL	EXPIRATION DATE
PZC CHAIRMAN OR SECRETARY	DATE	

UTILITY PLAN		GALES FERRY INTERMODAL 1761 ROUTE 12, GALES FERRY, CONNECTICUT 06335 GALES FERRY INTERMODAL LLC 383 SOUTH STREET, SUITE 100, GALESFERRY, CT 06335	
DRAWING C-6		DRAWN BY ESF	
SHEET NO. 8		DATE 04/06/2023	
NO. OF SHEETS 20		APPROVED BY SRM	
DATE 04/06/2023		DATE 04/06/2023	
REV. 1		REV. 1	
DESCRIPTION OF REVISION		DESCRIPTION OF REVISION	
SRM		SRM	
DATE		DATE	
APPR.		APPR.	

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PLAN REFERENCES AND SITE NOTES

A. "PROPERTY AND TOPOGRAPHIC SURVEY PREPARED FOR STYRON LLC "ALYNN'S POINT PLANT" 1737 & 1761 MILITARY HIGHWAY - ROUTE 12, GALES FERRY, LEYDARD, CONNECTICUT PREPARED BY CME ASSOCIATES, INC. DATED SEPTEMBER 2, 2010

B. TOWN OF LEYDARD GIS - PUBLIC WATER IS AVAILABLE ON THIS SITE AND ALL ABUTTING PROPERTIES

BASIS OF DESIGN

1. SDDS DESIGN IS IN ACCORDANCE WITH THE CONNECTICUT PUBLIC HEALTH CODE, ON-SITE SEWAGE DISPOSAL REGULATIONS AND TECHNICAL STANDARDS FOR SUBSURFACE SEWAGE DISPOSAL SYSTEMS.

2. DESIGN FLOWS - 20,000 SQUARE FOOT (SF) EQUIPMENT MAINTENANCE GARAGE. NUMBER OF EMPLOYEES - 10. ASSUME TWO SHIFTS AS A REASONABLE FACTOR OF SAFETY ALLOCATING 20 EMPLOYEES AT 25 GALLONS PER DAY (GPD) PER EMPLOYEE. DESIGN FLOW - 500 GPD.

3. SEPTIC TANK REQUIRED - MINIMUM 1,000 GALLONS. SEPTIC TANK PROVIDED - 1,750 HS-20 DESIGNED FOR TRAFFIC AREA.

4. LEACHING SYSTEM DESIGN -USING 48-INCH CONCRETE LEACHING GALLEYS HS-20 DESIGNED FOR TRAFFIC AREA.
PERCOLATION RATE = <10.0 MIN/INCH;
APPLICATION RATE = 1.5 GPD/SF OF EFFECTIVE LEACHING AREA (ELA)
ELA REQUIRED = 500 GPD/1.5 GPD/SF = 334 SF
LEACHING SYSTEM: 48-INCH HIGH CONCRETE LEACHING GALLEYS = 9.2 SF/LF ELA
ELA PROVIDED = NINE 4-FOOT LONG GALLEYS WITH 12-INCHES OF NO. 4 CRUSHED STONE AROUND
36-FEET OF GALLEYS PLUS 2-FEET OF CRUSHED STONE AT THE ENDS
38-FT X 9.2 SF/LF ELA = 349 SF ELA

5. ALL FILL AND TOPSOIL WITHIN FIVE FEET SURROUNDING THE LEACHING SYSTEM AREA SHALL BE REMOVED AND REPLACED WITH SUITABLE SELECT FILL AS NEEDED.

6. MLSS:
AVERAGE DEPTH TO RESTRICTIVE LAYER:
CATEGORY 2
NATIVE SOIL = 55"
55" + 24" OF SELECT FILL = 79" > 60"
NO MLSS REQUIRED

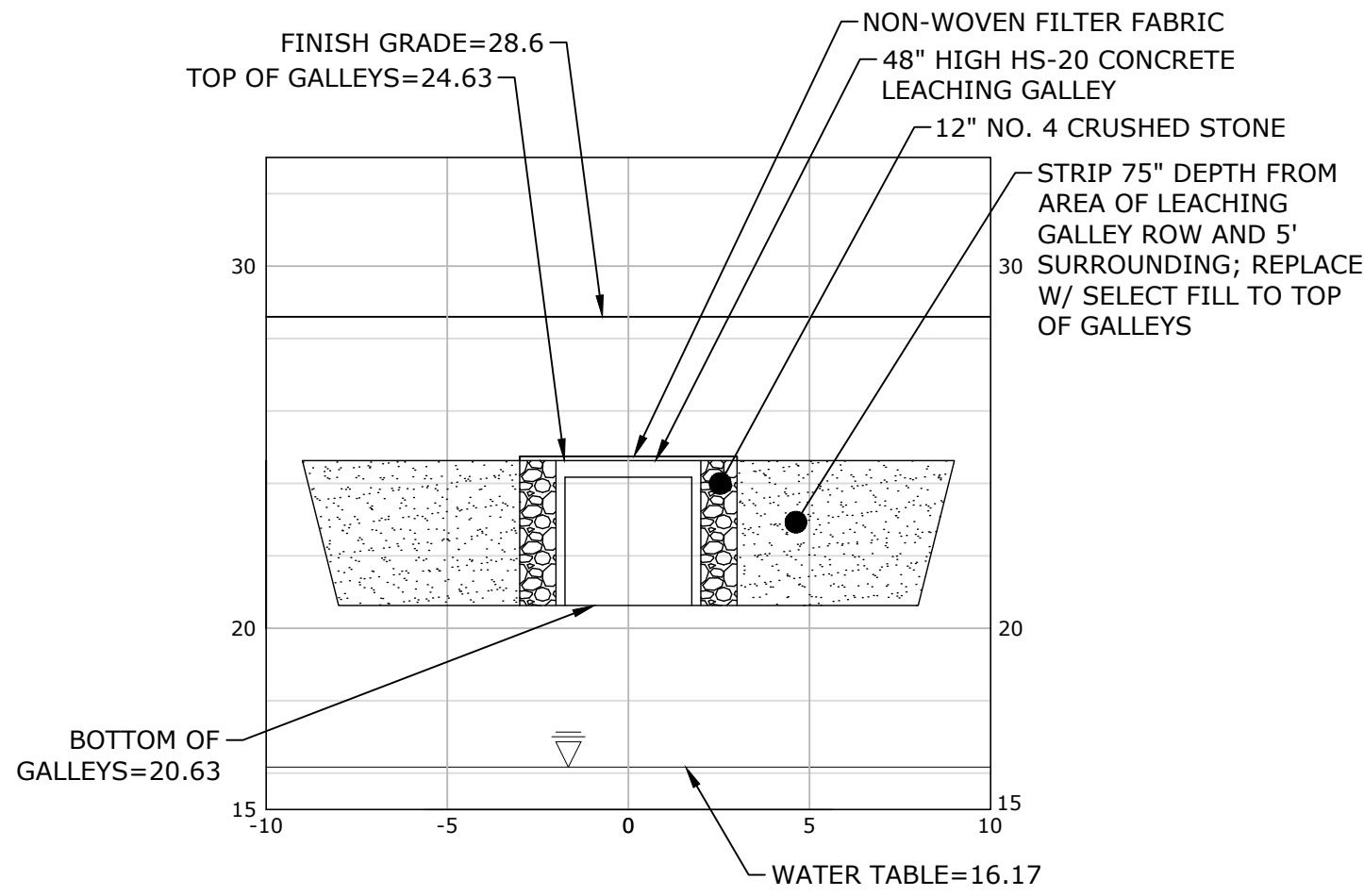
SEPTIC SYSTEM INVERT SCHEDULE		
BUILDING SEWER INVERT		28.40
SEPTIC TANK STRUCTURE	TOP	29.14
	BOTTOM	24.43
SEPTIC TANK INVERTS	IN	27.85
	OUT	27.60
LEACHING GALLEYS	TOP	24.63
	BOTTOM	20.63
LEACHING GALLEY INVERT		23.80

SELECT FILL		
SIEVE SIZE	PERCENT PASSING (BY WEIGHT)	
	WET SIEVE	DRY SIEVE
#4	100	100
#10	70-100	70-100
#40	10-50*	10-75
#100	0-20	0-5
#200	0-5	0-2.5

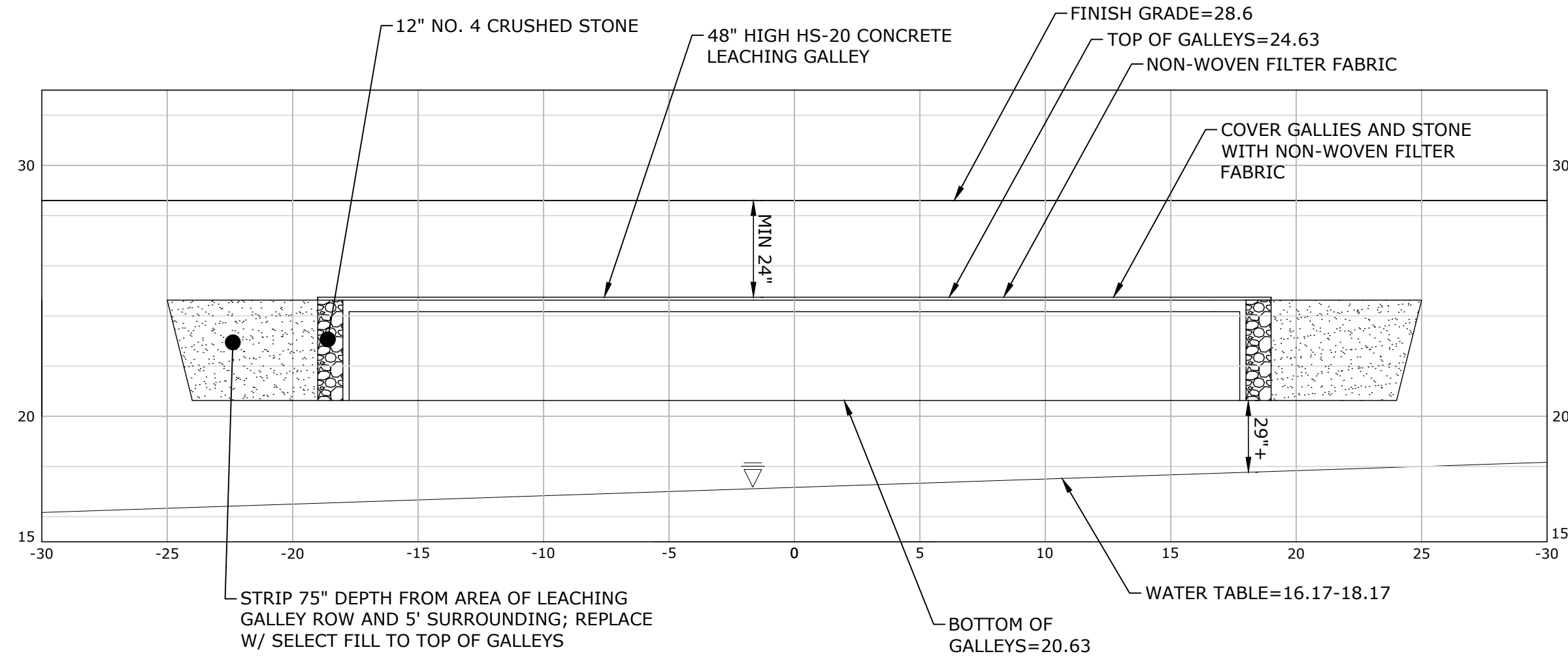
* PERCENT PASSING THE #40 SIEVE CAN BE INCREASED TO NO GREATER THAN 75 IF THE PERCENT PASSING THE #100 SIEVE DOES NOT EXCEED 10 AND THE #200 SIEVE DOES NOT EXCEED 5.

PZC PERMIT # _____ DATE OF APPROVAL _____ EXPIRATION DATE _____

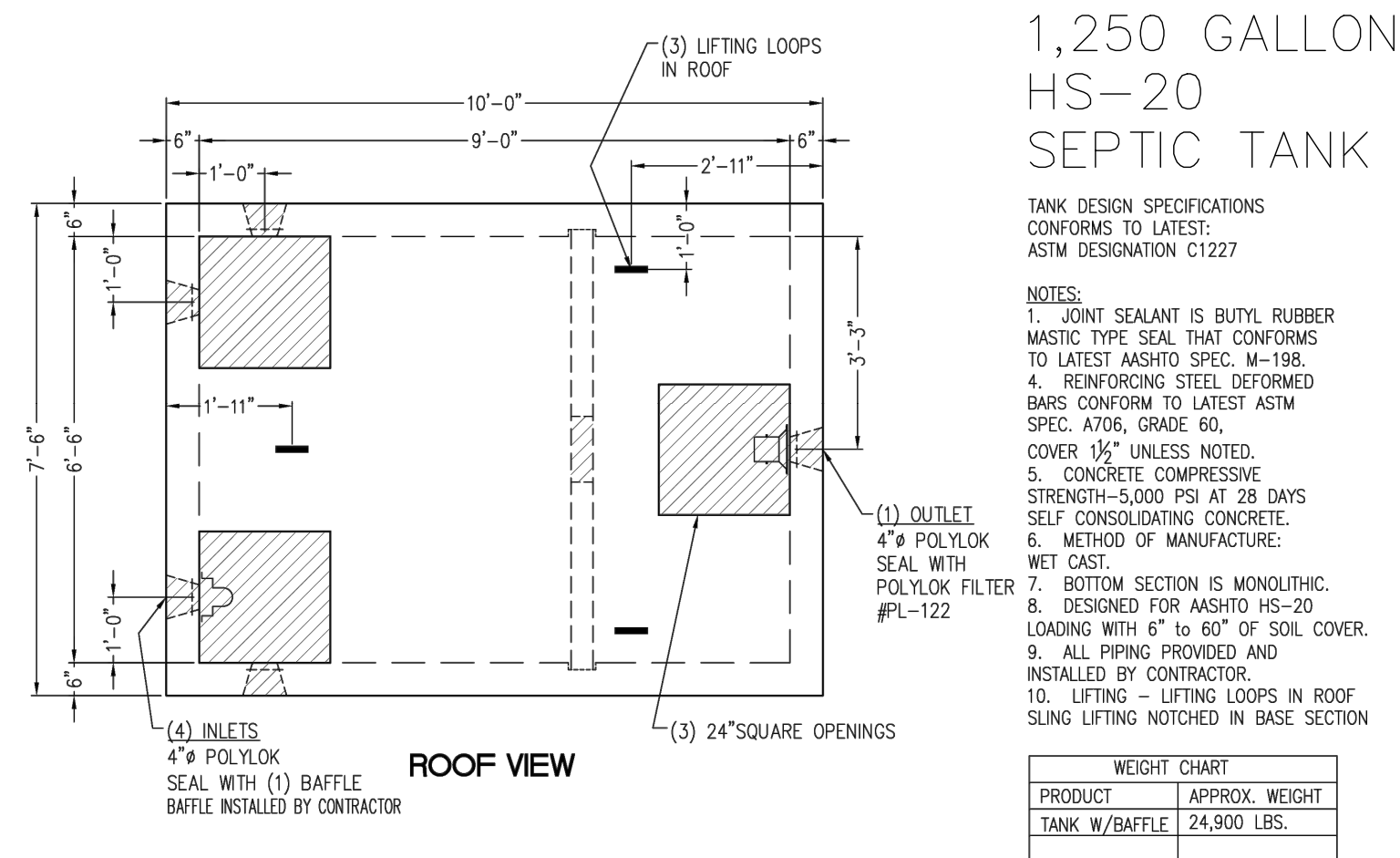
PZC CHAIRMAN OR SECRETARY _____ DATE _____



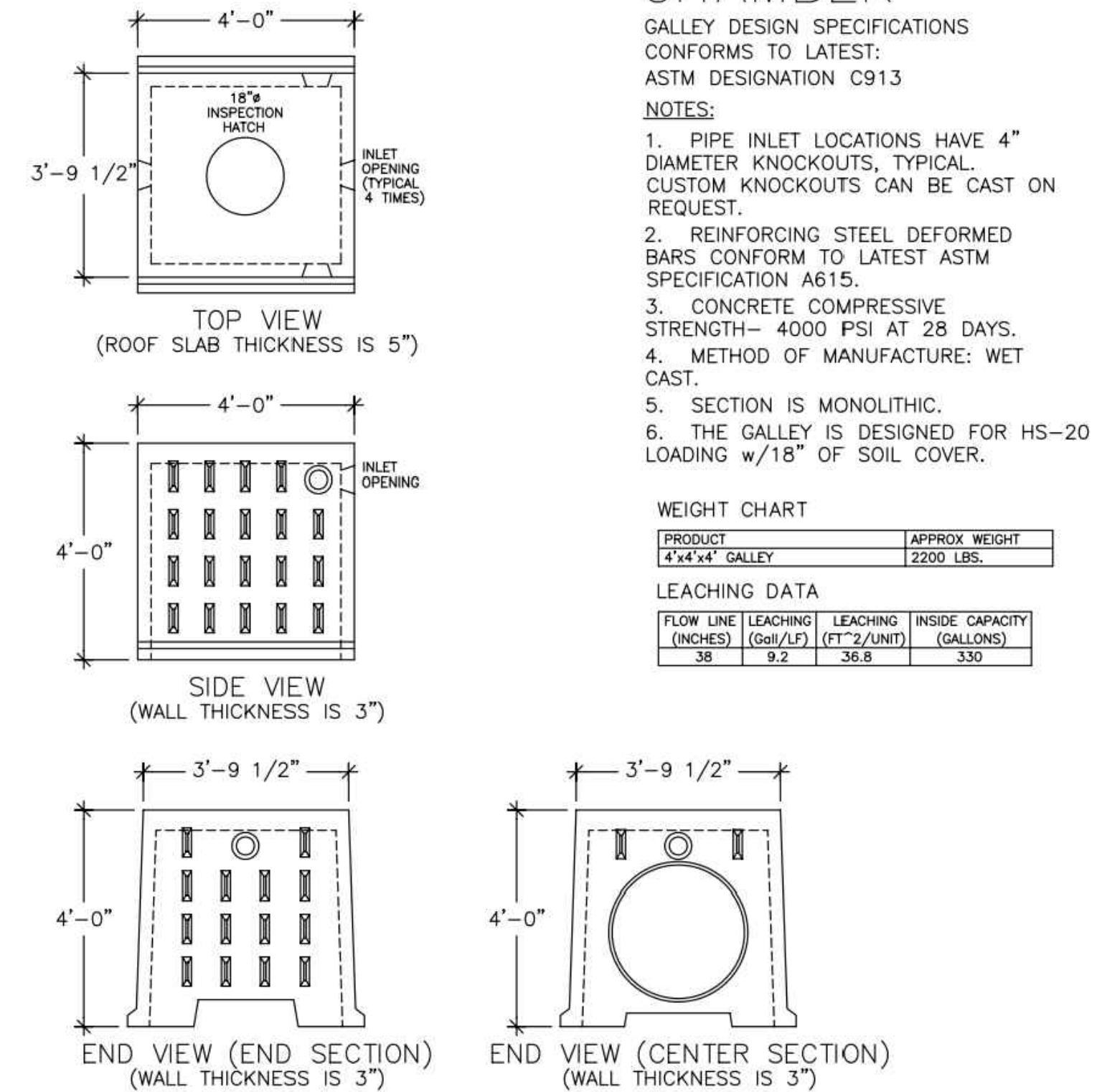
A-A SECTION VIEW
SCALE: 1"=5'H&V



B-B SECTION VIEW
SCALE: 1"=5'H&V



1,250 GALLON HS-20 SEPTIC TANK
NOT TO SCALE



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PERCOLATION TEST RESULTS
CONDUCTED BY LOUREIRO ENGINEERING ASSOCIATES ON MARCH 24, 2023

PT-1
DEPTH: 122"

TIME (MIN)	MEASURE (INCHES)	RATE (MIN/IN)
0	5.75	---
1	7	0.80
2	8.25	0.80
3	8.75	2.0
4	9.125	2.7
5	9.5	2.7
6	10	2.0
7	10.375	2.7
8	10.75	2.7
9	11	4.0
10	11.5	2.0
11	11.875	2.7
12	12.125	4.0
13	12.375	4.0
14	12.5	8.0
15	13	2.0
16	13.125	8.0
17	13.25	8.0
18	13.5	4.0
19	13.75	4.0
20	14	4.0
21	14.25	4.0

<2" OF WATER REMAINING
PERC RATE = 4.0 MIN/INCH

PT-2
DEPTH: 108"

TIME (MIN)	MEASURE (INCHES)	RATE (MIN/IN)
0	11.5	---
1	12.5	1.0
2	13.5	1.0
3	14.375	1.1
4	15.125	1.3
5	15.875	1.3
6	16.375	2.0
7	17	1.6
8	17.5	2.0

PERC RATE = 2.0 MIN/INCH

TEST PIT LOG: TP-51

OBSERVED BY LOUREIRO ENGINEERING ASSOCIATES AND LEDGE LIGHT HEALTH DISTRICT ON MARCH 7, 2023

DEPTH	OBSERVATIONS
0-24"	GRAVEL, FILL
24"-68"	DARK BROWN FINE SANDY LOAM. CONCRETE DEBRIS W/ REBAR FOUND
68"-75"	BURIED TOPSOIL LAYER
75"-93"	TAN GREY FINE SANDY LOAM WITH GRAVEL
93"-150"	ORANGE BROWN MEDIUM-COARSE SAND AND GRAVEL W/ COBBLES

*ROOTS TO 93"
*GROUNDWATER AT 130"
*NO REFUSAL

TEST PIT LOG: TP-52

OBSERVED BY LOUREIRO ENGINEERING ASSOCIATES AND LEDGE LIGHT HEALTH DISTRICT ON MARCH 24, 2023

DEPTH	OBSERVATIONS
0-62"	FILL
62"-84"	ORIGINAL TOPSOIL
84"-111"	DARK BROWN MEDIUM-COARSE SAND WITH GRAVEL AND COBBLES
111"-150"	TAN MEDIUM SAND, SOME GRAVEL

*ROOTS TO 62"
*GROUNDWATER AT 130"
*NO REFUSAL
*NO MOTTLING

TEST PIT LOG: TP-53

OBSERVED BY LOUREIRO ENGINEERING ASSOCIATES AND LEDGE LIGHT HEALTH DISTRICT ON MARCH 24, 2023

DEPTH	OBSERVATIONS
0-79"	FILL
79"-105"	ORIGINAL TOPSOIL
105"-128"	ORANGE BROWN MEDIUM-COARSE SAND WITH GRAVEL AND COBBLES

*ROOTS TO 105"
*GROUNDWATER AT 128"
*NO REFUSAL
*NO MOTTLING

SUBSURFACE SEWAGE DISPOSAL SYSTEM (SSDS) CONSTRUCTION NOTES:

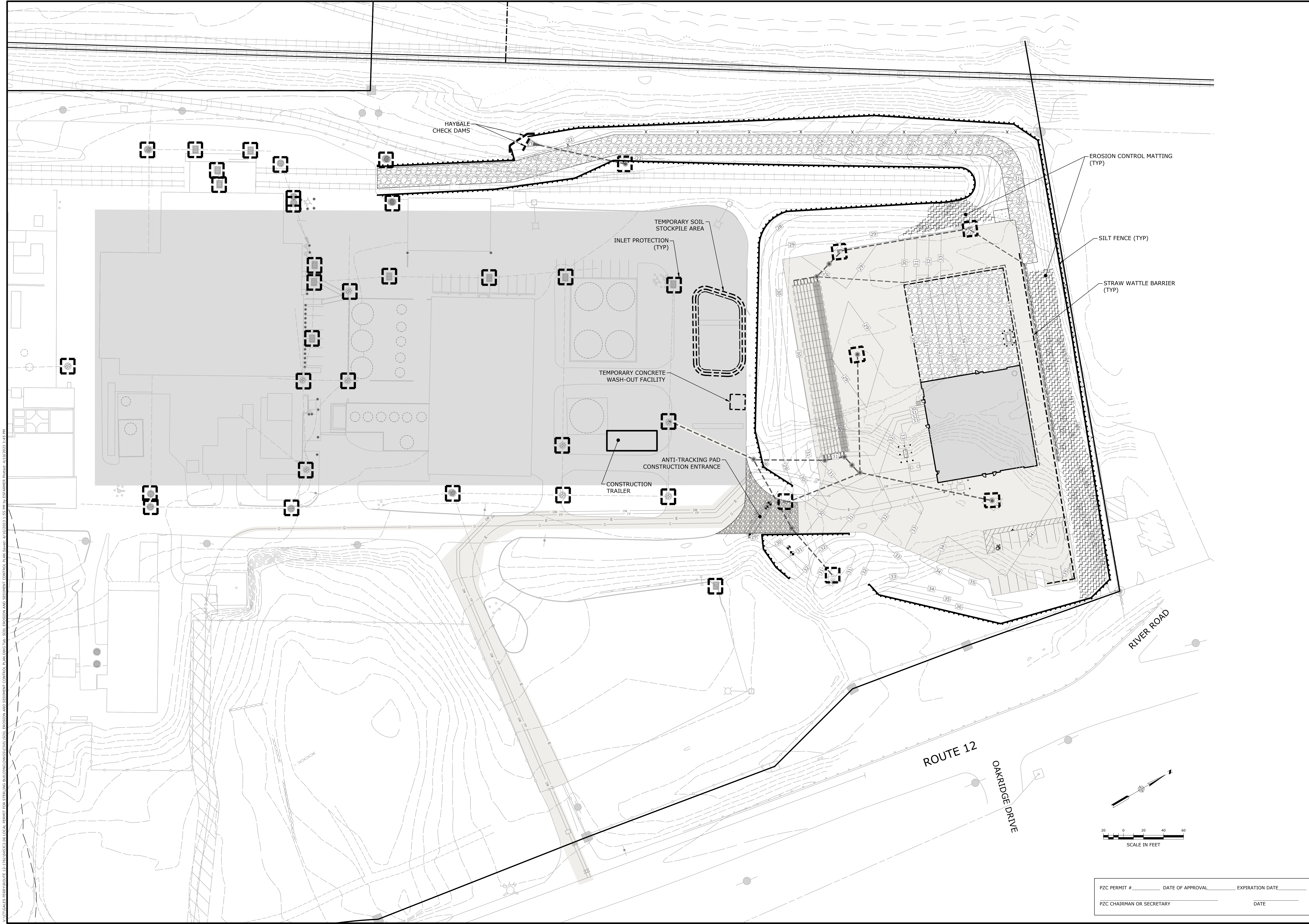
- REFER TO SOIL EROSION AND SEDIMENT CONTROL PLAN FOR EROSION PROTECTION.
- PROCEDURES FOR THE INSTALLATION OF FILL:
 - NO EXCAVATION SHALL OCCUR PRIOR TO NOTIFYING "CALL-BEFORE-YOU-DIG" AT 1-800-922-4455 OR 811.
 - INSTALL EROSION CONTROL ALONG THE DOWN-GRADIENT LIMITS OF FILL IN ACCORDANCE WITH THE SOIL EROSION AND SEDIMENT CONTROL PLAN.
 - STRIP ALL VEGETATION, ORGANIC MATTER AND UNSUITABLE OVERBURDEN INCLUDING THE BURIED TOPSOIL TO A DEPTH OF 75-INCHES BELOW GRADE IN THE AREA OF AND TEN FEET SURROUNDING THE NEW LEACHING SYSTEM. REMOVE ANY UNSUITABLE MATERIAL WHICH MAY INTERFERE WITH THE PROPER FUNCTION OF THE SYSTEM.
 - SCARIFY THE SURFACE IN THE PROPOSED LEACHING SYSTEM AREA PRIOR TO PLACING ANY SELECT FILL MATERIAL. AVOID COMPACTING THE SCARIFIED AREA. FILL SHALL NOT BE PLACED OVER SNOW OR FROZEN GROUND. DISCONTINUE FILL PLACEMENT DURING HEAVY RAINFALL AND A MINIMUM OF 24 HOURS THEREAFTER.
 - SELECT FILL SHALL BE PLACED WITHIN OR ADJACENT TO THE LEACHING SYSTEM PER THE PLAN AND SHALL MEET THE REQUIREMENTS OF SECTION VIII.A OF THE TECHNICAL STANDARDS. SELECT FILL SHALL BE PLACED TO THE TOP OF THE PROPOSED LEACHING GALLEYS AND SHALL EXTEND A MINIMUM OF FIVE FEET Laterally IN ALL DIRECTIONS BEYOND THE OUTER PERIMETER OF THE LEACHING SYSTEM AND TO DEPTHS INDICATED IN THE CROSS SECTION. THE SELECT FILL MATERIAL SHALL BE PLACED IN 12" LIFTS AND COMPACTED TO 90% DENSITY.
 - A SIEVE ANALYSIS FROM A SOIL TESTING LABORATORY SHALL BE PROVIDED TO LEDGE LIGHT HEALTH DISTRICT FOR ALL SELECT FILL MATERIAL TO DEMONSTRATE COMPLIANCE WITH THE TECHNICAL STANDARDS.
 - NATIVE SOIL OR COMMON FILL SHALL BE USED AS BACKFILL BEYOND THE LIMITS OF SELECT FILL AND BELOW THE TOPSOIL LAYER.
- NO UTILITIES SHALL BE INSTALLED THROUGH ANY PORTION OF THE LEACHING SYSTEM.
- SEPTIC TANK SHALL BE SET LEVEL ON A MINIMUM OF SIX INCHES OF PROCESSED AGGREGATE OR BROKEN STONE PLACED ON COMPACTED SUBGRADE. BACKFILL AROUND THE TANK SHALL BE PLACED AND COMPACTED IN SIX INCH LIFTS.
- HS-20 SEPTIC TANK SHALL BE EQUIPPED WITH RISERS TO GRADE EQUIPPED WITH CAST IRON MANHOLE COVERS WITH A MINIMUM WEIGHT OF 59 PONDS EQUIPPED WITH A LOCKING FEATURE.
- THE NEW SSDS SHALL BE STAKED BY A LICENSED SURVEYOR AND A BENCH MARK SHALL BE ESTABLISHED AT THE LOCATION SHOWN ON THE SSDS PLAN.
- THE INSTALLER SHALL SUBMIT TO LEDGE LIGHT HEALTH DISTRICT UPON 30 DAYS OF COMPLETION SCALED OR TIED AS-BUILT DRAWINGS OF ALL SSDS COMPONENTS. THE DRAWING SHALL INCLUDE THE NAME OF THE INSTALLER, DATE AND PROPERTY LOCATION/ADDRESS.
- ALL STORM AND/OR ROOF DRAINS WITHIN 25 FEET OF THE SEPTIC SYSTEM SHALL BE TIGHT PIPE WITH NO FREE-DRAINING BEDDING MATERIAL IN TRENCH.

SUBSURFACE SEWAGE DISPOSAL SECTIONS, DETAILS & NOTES

GALES FERRY INTERMODAL
1761 ROUTE 12, GALES FERRY, CONNECTICUT 06335
GALES FERRY INTERMODAL LLC
349 SOUTH STREET, QUINCY, MA 02169

C-8

SHEET NO. 10 NO. OF SHEETS 20



\\ACT\GALES FERRY\ROUTE 12\1761\USC2.06\LOCAL PERMIT FOR STEELING BUILDINGS\SOIL EROSION AND SEDIMENT CONTROL PLAN\DWG.TAB:SOIL EROSION AND SEDIMENT CONTROL PLAN Sheet: 4.10.2023 3:45 PM

PZC PERMIT #	DATE OF APPROVAL	EXPIRATION DATE
PZC CHAIRMAN OR SECRETARY	DATE	

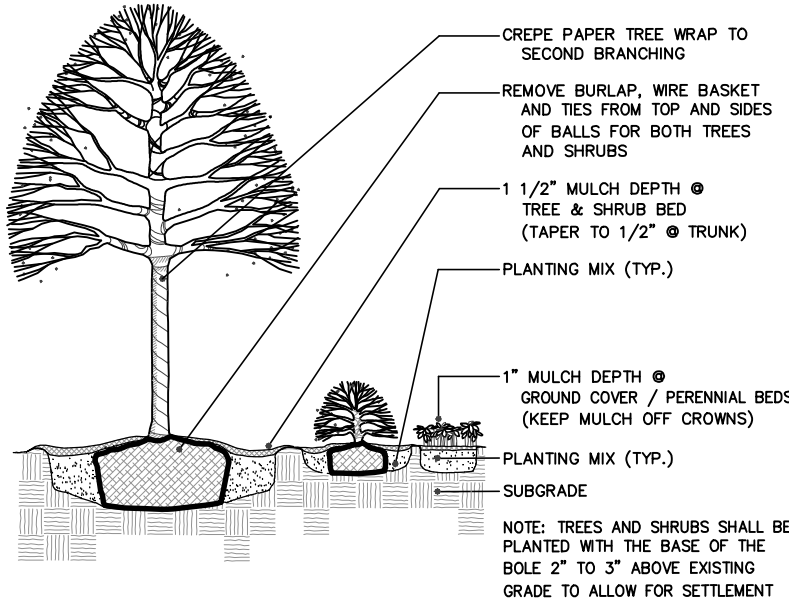
SCALE 1"=40'		CROWN NO. 0451C2.06		DATE 04/06/2023	
DRAWN BY ESP		APPROVED BY SRM		DATE 04/06/2023	
SOIL EROSION AND SEDIMENT CONTROL PLAN					
GALES FERRY INTERMODAL 1761 ROUTE 12, GALES FERRY, CONNECTICUT 06335					
GALES FERRY INTERMODAL LLC 383 SOUTH STREET, SUITE 101, GALESFERRY, CT 06335					
REVISIONS					
1 REV. REVISED PER UPDATED LAYOUT					
DATE 04/06/2023					
SRM					
APPR.					

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PLANT SCHEDULE					
KEY	QTY.	TECHNICAL NAME	COMMON NAME	SIZE	COND.
IO	23	ILEX OPACA	AMERICAN HOLLY	6'-7" HT.	B&B
JV	16	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	6'-7" HT.	B&B
LF	55	LEUCOTHOE FONTANESIA	DOGHOBBLE	3 GAL.	CONT.
RM	68	RHODODENDRON MAXIMUM	ROSEBAY RHODODENDRON	6'-7" HT.	B&B

GENERAL NOTES - LANDSCAPING:

- AS CONSTRUCTION PROGRESSES, FINE GRADE AND SEED OR SOD AS SOON AS POSSIBLE TO REDUCE RUNOFF.
- ALL PLANTING BEDS TO BE TOPSOILED TO A DEPTH OF 12".
- IN ALL SHRUB BEDS TO RECEIVE MASS PLANTING, PROVIDE PINE BARK MULCH AS DETAILED. ESTABLISH A NEAT, SMOOTH EDGE BETWEEN MULCH AND LAWN.
- ADJUSTMENTS IN THE LOCATIONS OF PLANT MATERIALS MAY BE NECESSARY DUE TO LOCATIONS OF UTILITIES. ADJUSTMENTS SHALL BE APPROVED BY THE OWNER'S REPRESENTATIVE.
- PROVIDE AND INSTALL ALL PLANTS SHOWN ON THE PLANTING PLAN DRAWINGS; THE QUANTITIES IN THE PLANT LIST ARE PROVIDED FOR THE CONTRACTOR'S CONVENIENCE ONLY. IF DISCREPANCIES OCCUR, THE DRAWING SYMBOLS PREVAIL OVER THE PLANT LIST QUANTITIES.



PLANTING DETAIL - TYP
NOT TO SCALE

NEW CHAIN LINK FENCE TO MATCH EXISTING

MAINTAIN EXISTING TREES
FOR BUFFER SCREENING

NEW CHAIN LINK FENCE TO MATCH EXISTING

PORTION OF EXISTING CHAIN LINK FENCE TO REMAIN

25' LANDSCAPE BUFFER

RIVER DRIVE

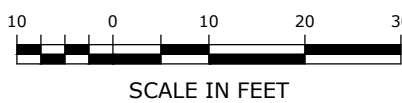
ROUTE 12

68
RM

58
LF

23
IO

16
JV



PZC PERMIT # _____ DATE OF APPROVAL _____ EXPIRATION DATE _____

PZC CHAIRMAN OR SECRETARY _____

DATE _____

LANDSCAPING PLAN

GALES FERRY INTERMODAL
1761 ROUTE 12, GALES FERRY, CONNECTICUT 06335
GALES FERRY INTERMODAL LLC
383 SOUTH STREET, SUITE 101, GALESFERRY, CT 06335

DRAWING
L-1

SHEET NO. 12 NO. OF SHEETS 20



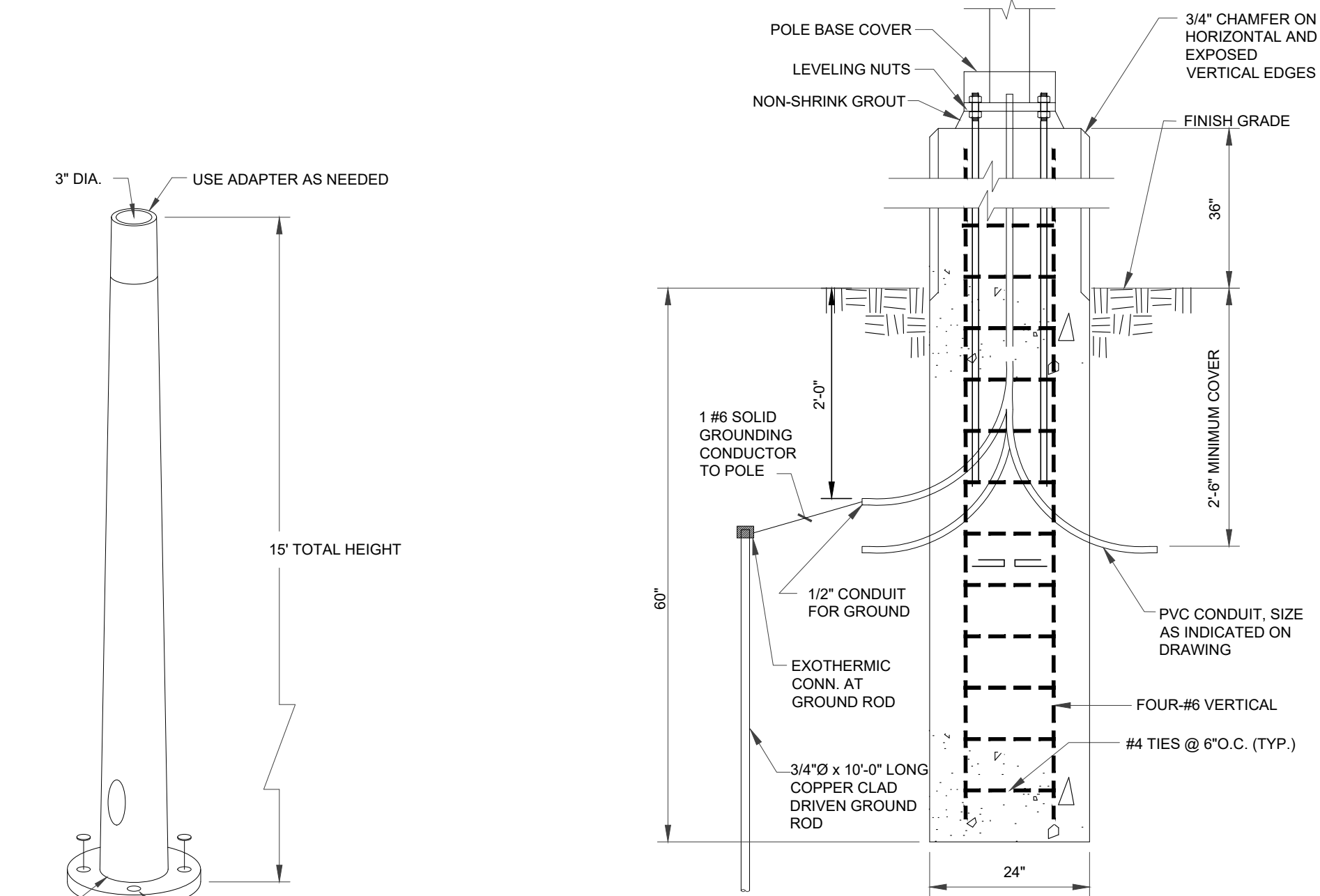
Loureiro
Engineering Associates, Inc.
Water • Facility Services • Laboratory
Engineering • Construction • EIRIS • Energy
1761 ROUTE 12, SUITE 101, GALESFERRY, CT 06335
Phone: 860-747-6181 • Fax: 860-747-8822
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SCALE 1"=20'	DATE 04/05/2023
CONV. NO. 045VC2.06	DATE 04/06/2023
DRAWN BY ADP	APPROVED BY SRM

REV.	DESCRIPTION OF REVISION	DATE	APPR.
1	REVISED PER UPDATED LAYOUT	04/06/2023	SRM

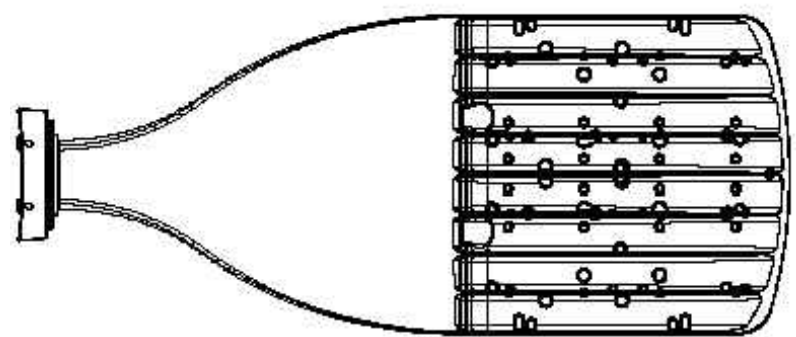
SCHEDULE									
SYMBOL	LABEL	QUANTITY	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	NUMBER LAMPS	LUMENS PER LAMP	LIGHT LOSS FACTOR	WATTAGE
-	P3-TWX2	8	LITHONIA LIGHTING	TWX2 LED P3 40K	TWX2 LED WITH P3-PERFORMANCE PACKAGE, 4000K	1	5295	0.85	39.1538
▽	P2-T3M	12	LITHONIA LIGHTING	DSX1 LED P2 40K T3M MVOLT	DSX1 LED P2 40K T3M MVOLT	1	8641	0.85	70

STATISTICS						
DESCRIPTION	SYMBOL	AVG	MAX	MIN	MAX/MIN	AVG/MIN
FUTURE BUILDING	+	0.7 fc	4.4 fc	0.1 fc	44.0:1	7.0:1
DRIVE/PARKING	+	1.3 fc	6.7 fc	0.0 fc	N/A	N/A
PROPERTY LINE	+	0.0 fc	0.5 fc	0.0 fc	N/A	N/A



TAPERED ALUMINUM LUMINAIRE POLE

SCALE: NONE



DSX1 with WBA

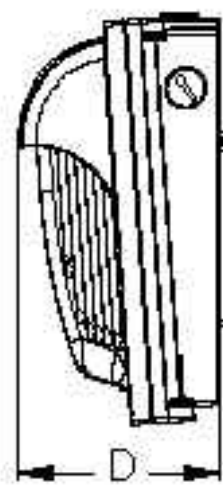
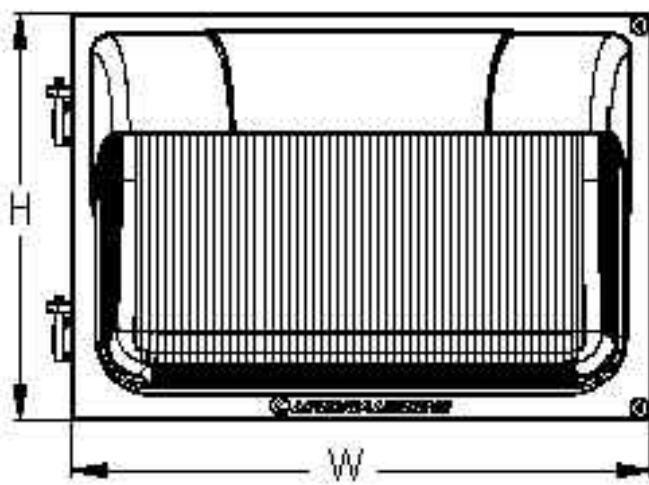
NOTES
LITHONIA LIGHTING, DSX1 LED WITH WBA, P2, 40K,T3M/TFTM, MVOLT, HS (POLE MOUNT).

POLE MOUNTED LIGHT

SCALE: NONE

TWX2:

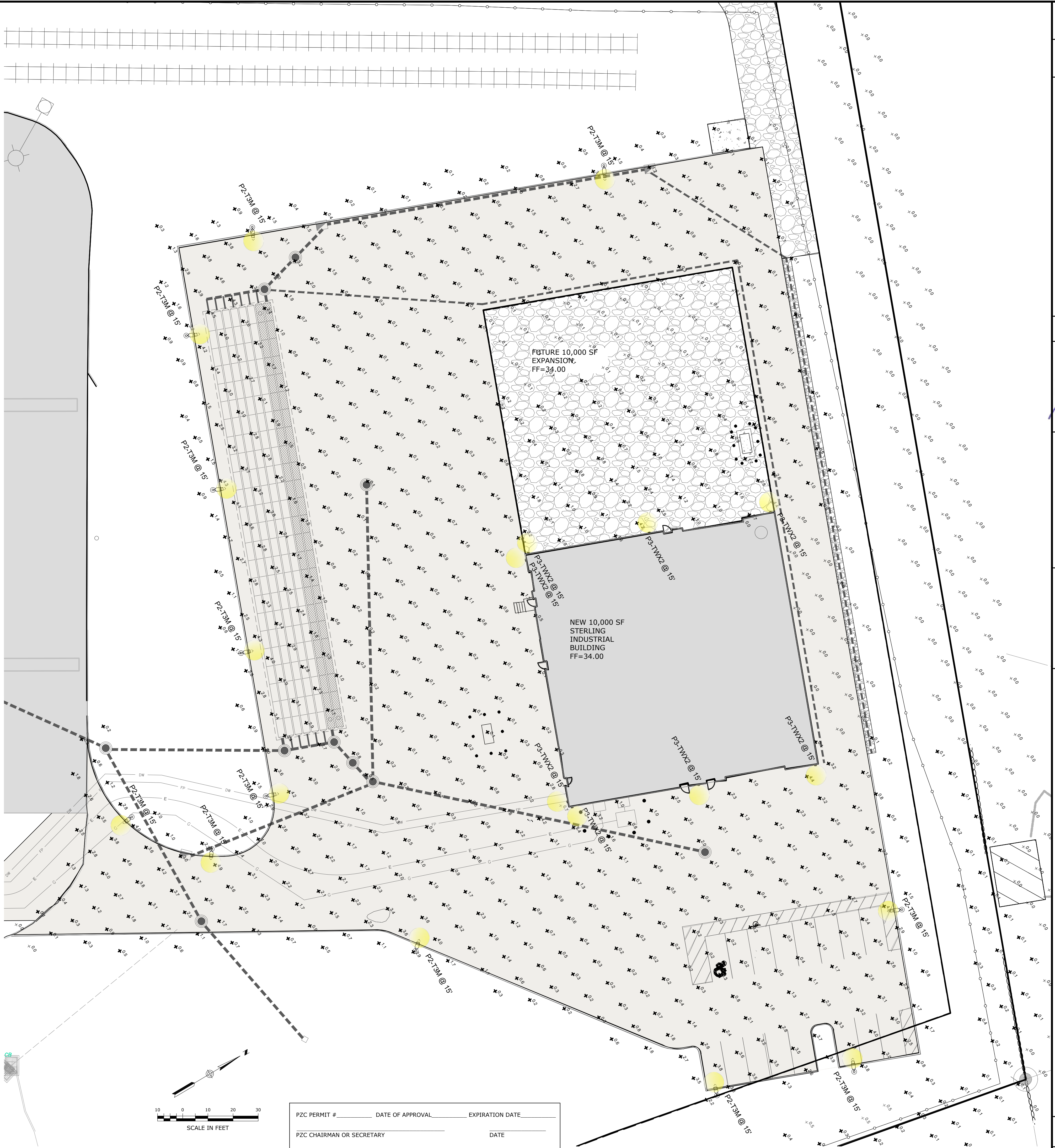
Width: 13.0"
Height: 9.0"
Depth: 4.5"
Weight: 11 lbs



NOTES
CONTRACTOR SELECT™ TWX2 LED ALO, ADJUSTABLE LIGHT OUTPUT WALPACK
SHIELD LUMINAIRE TO BE COORDINATED IN SHOP DRAWING TO REFLECT PHOTOMETRIC DISTRIBUTION SHOWN.

WALL PACK LIGHT

SCALE: NONE



PHOTOMETRIC AND LIGHTING PLAN

GALES FERRY INTERMODAL
1761 ROUTE 12, GALES FERRY, CONNECTICUT 06335
GALES FERRY INTERMODAL LLC
383 SOUTH STREET, SUITE 101, BRIDGEPORT, CT 06610

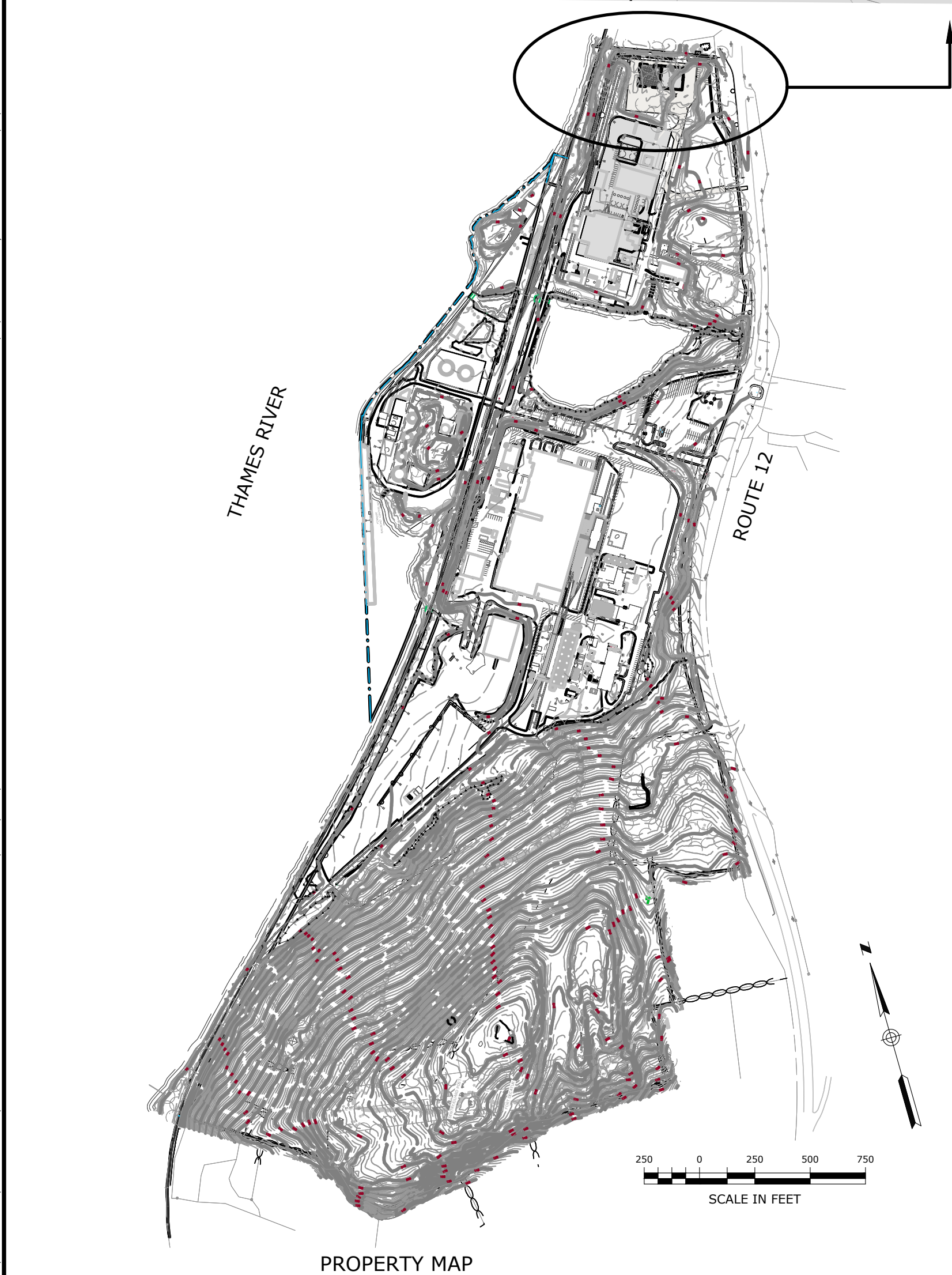
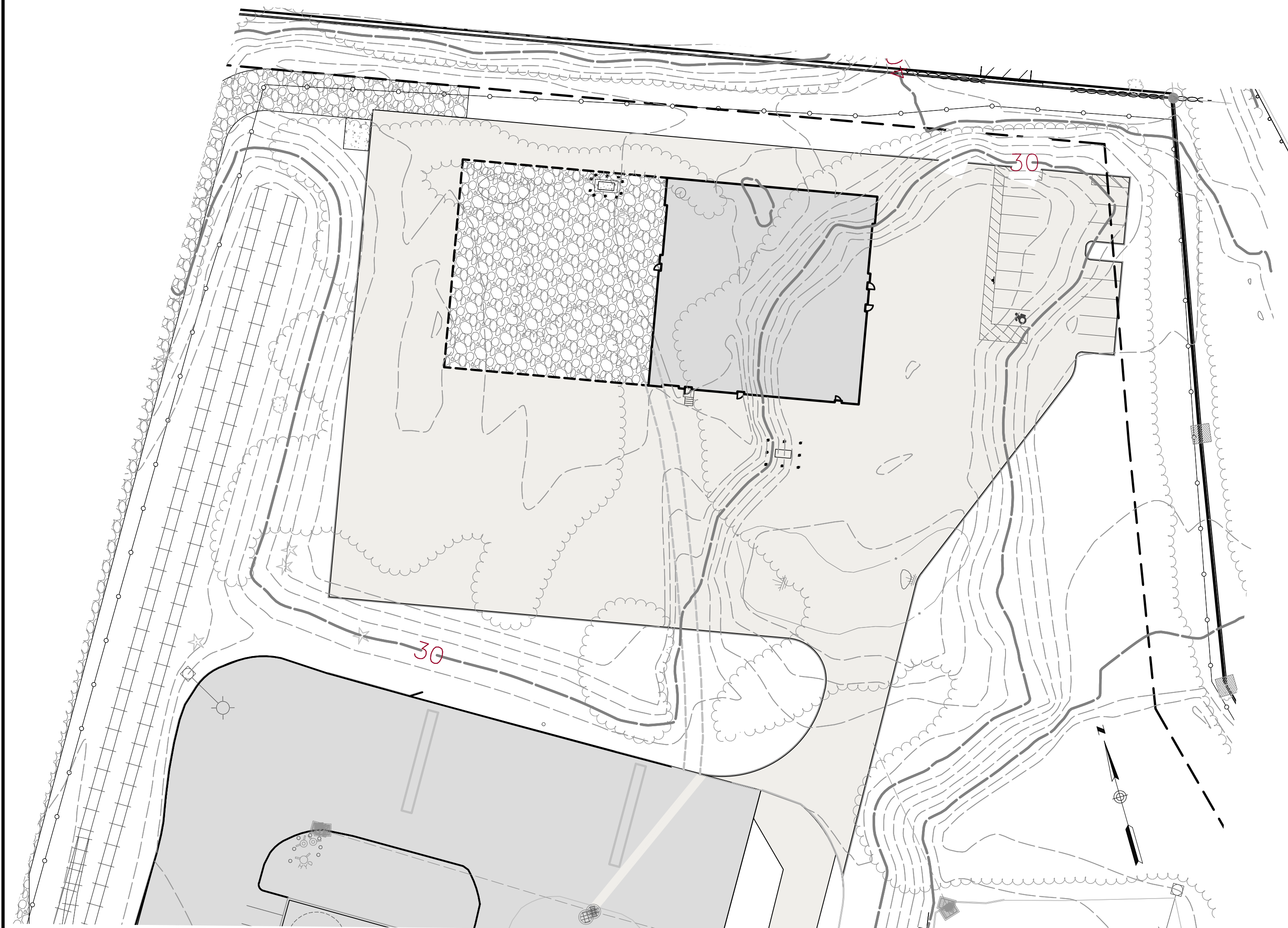
DRAWING
C-10
SHEET NO. 13 NO. OF SHEETS 20



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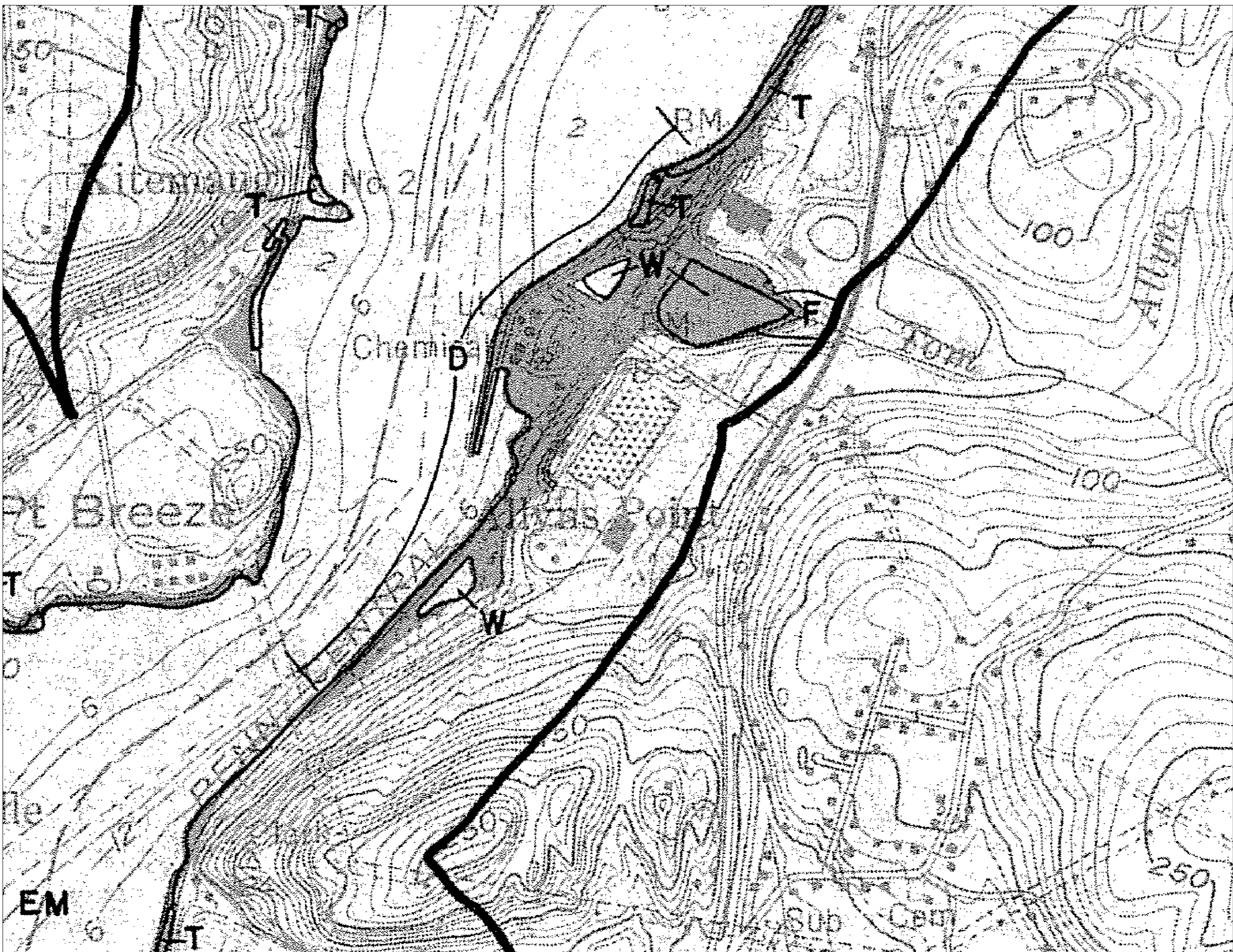
SCALE
1"=20'
CONV. NO.
0451C2.06
DATE
04/06/2023
DRAWN BY
ESP
APPROVED BY
SRM

PZC PERMIT # _____ DATE OF APPROVAL _____ EXPIRATION DATE _____
PZC CHAIRMAN OR SECRETARY _____ DATE _____



COASTAL RESOURCES

1. D- DEVELOPED SHOREFRONT: PORT AND HARBOR AREAS WHICH HAVE BEEN HIGHLY ENGINEERED AND DEVELOPED RESULTING IN THE FUNCTIONAL IMPAIRMENT OR SUBSTANTIAL ALTERATION OF THEIR NATURAL PHYSIOGRAPHIC FEATURES OR SYSTEMS.
2. W- WATER: OPEN WATER BODIES SUCH AS BUT NOT LIMITED TO LAKES AND PONDS SUBJECT TO REGULATION UNDER SECTIONS 22A-36 TO 22A-45 OF THE CONNECTICUT GENERAL STATUTES.
3. T - REGULATED TIDAL WETLANDS: OFFICIAL STATE DESIGNATED AND REGULATED TIDAL WETLANDS LOCATED WITHIN THE COASTAL BOUNDARY. THE AREAS DEPICTED ON THIS MAP SHALL IN NO WAY SUPERSEDE THE OFFICIAL STATE REGULATED TIDAL WETLAND MAPS AT THE SCALE OF 1:2400.
4. COASTAL 'FLOOD' HAZARD AREA: 100 YEAR COASTAL FLOOD HAZARD AREA AS IDENTIFIED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA). ON THOSE COASTAL ISLANDS CURRENTLY UNMAPPED BY FEMA, THE FLOOD HAZARD AREA IS CONSERVATIVELY APPROXIMATED BY THE 10' CONTOUR INTERVAL.
5. EM - ESTUARINE EMBAYMENTS: PROTECTED COASTAL WATER BODIES WITH AN OPEN CONNECTION TO THE SOUND INCLUDING TIDAL RIVERS, BAYS, COVES AND LAGOONS.
6. SHORELANDS: UPLAND AREAS AT ELEVATIONS IN EXCESS OF THE 100 YEAR STILL WATER FLOOD LEVEL AND LOCATED WITHIN THE COASTAL BOUNDARY.



COASTAL RESOURCES

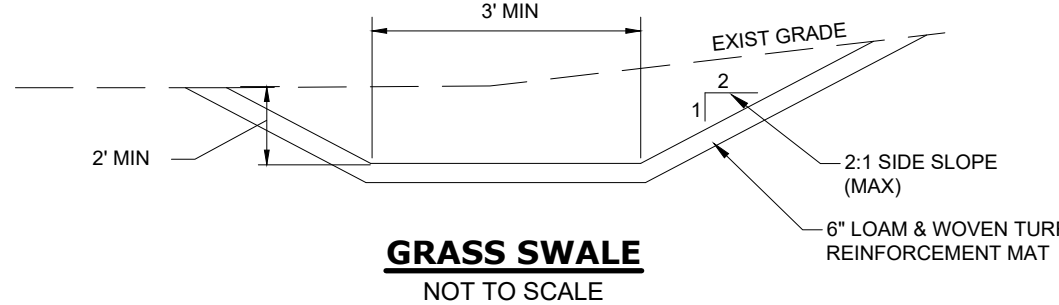
1979. PREPARED BY COASTAL AREA MANAGEMENT
PROGRAM, CONNECTICUT DEPARTMENT OF
ENVIRONMENTAL PROTECTION

PZC PERMIT # _____ DATE OF APPROVAL _____ EXPIRATION DATE _____

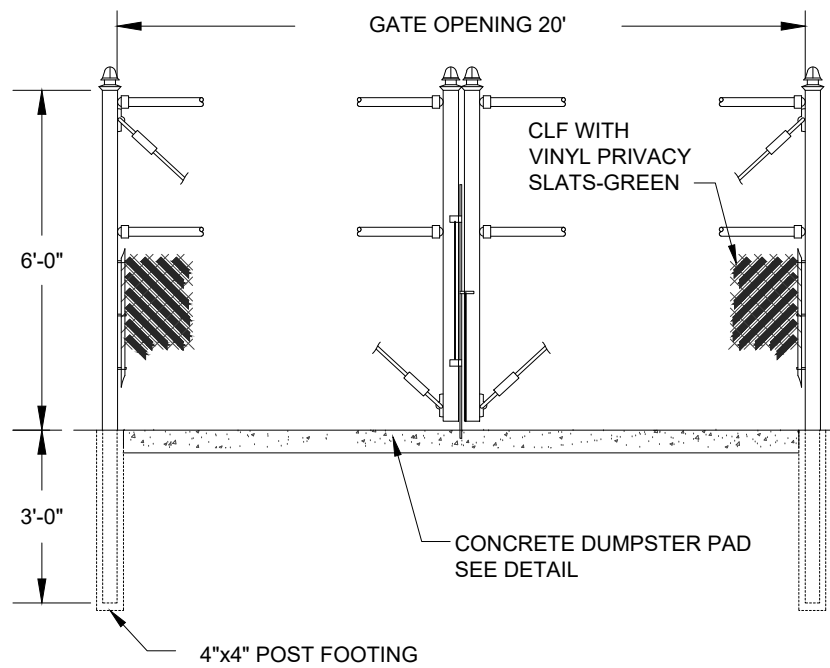
PZC CHAIRMAN OR SECRETARY _____ DATE _____



SIGN DETAIL
SCALE: NONE



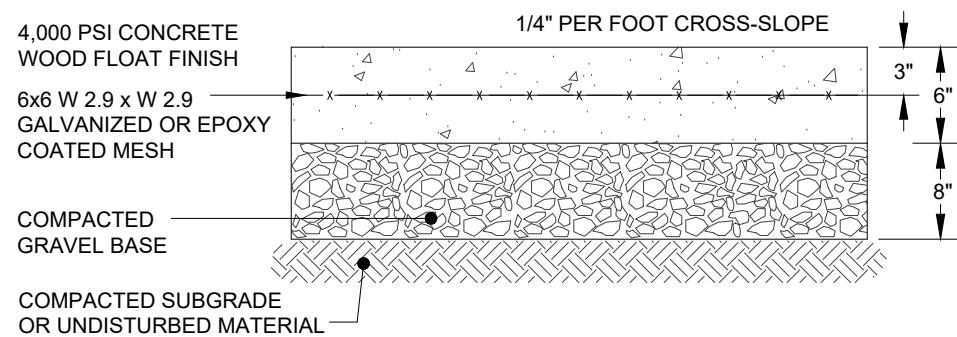
GRASS SWALE
NOT TO SCALE



- NOTES:
- DUMPSTER ENCLOSURE TO BE EQUIPPED WITH VINYL PRIVACY SLATS - GREEN, ALL SIDES.
 - REFER TO CHAIN LINK FENCE DETAIL FOR ADDITIONAL DETAILS.
 - DEPTH OF THE ENCLOSURE IS 8'.

DUMPSTER ENCLOSURE DETAIL

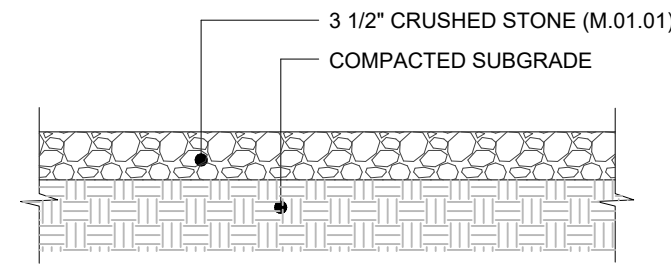
SCALE: NONE



- NOTE:
- SEE PLAN FOR LOCATION AND SIZE OF PAD.

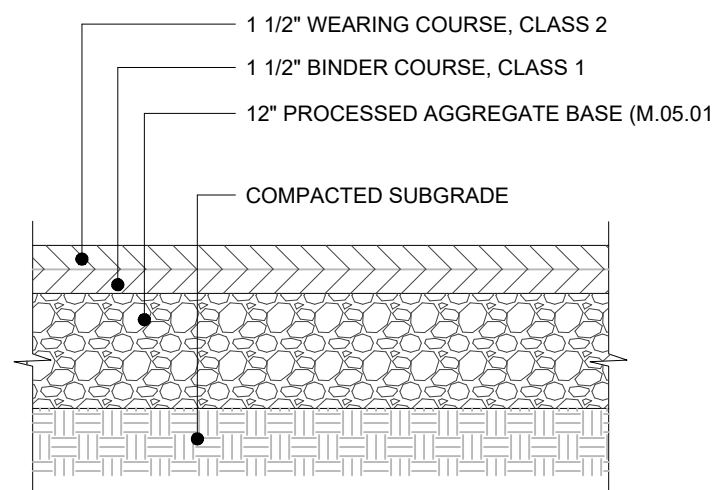
CONCRETE DUMPSTER PAD DETAIL

SCALE: NONE

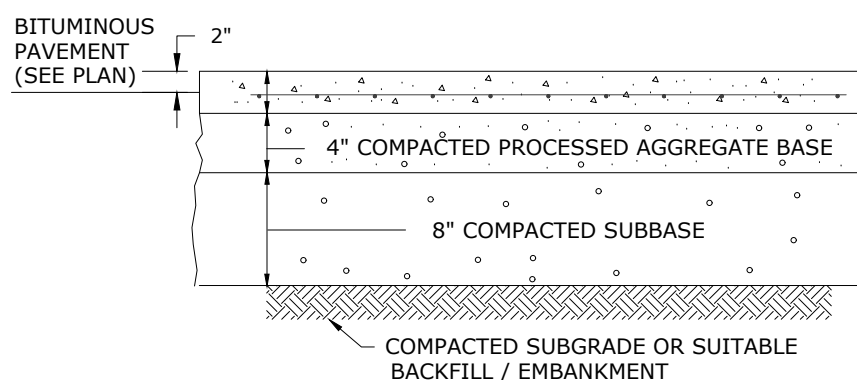


- NOTES:
- CRUSHED STONE SHALL CONSIST OF WASHED NO. 6 STONE AND SHALL BE IN ACCORDANCE WITH THE CONNECTICUT DEPARTMENT OF TRANSPORTATION SPECIFICATION SECTION M.01.01.
 - ALL COMPACTION TO BE 95% STANDARD PROCTOR DENSITY.

GRAVEL SURFACE X-SECTION
NOT TO SCALE

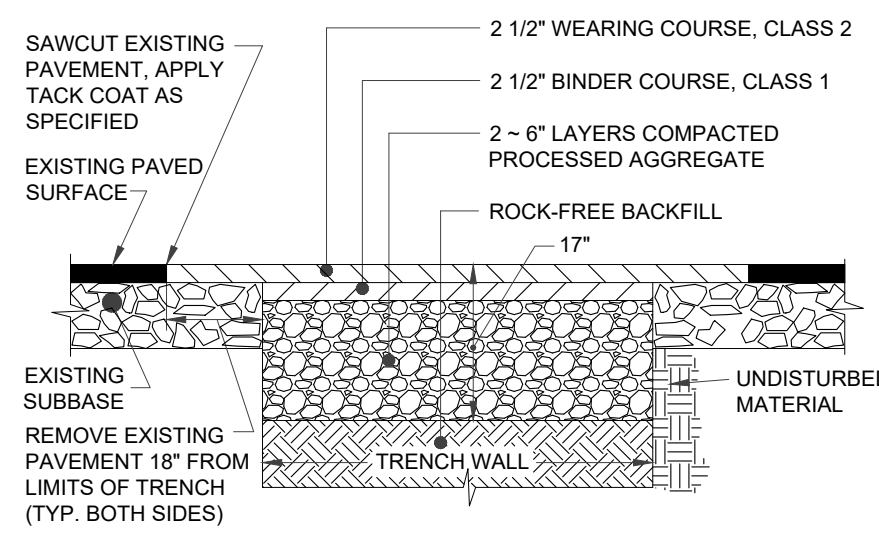


BITUMINOUS CONCRETE PAVING
NOT TO SCALE

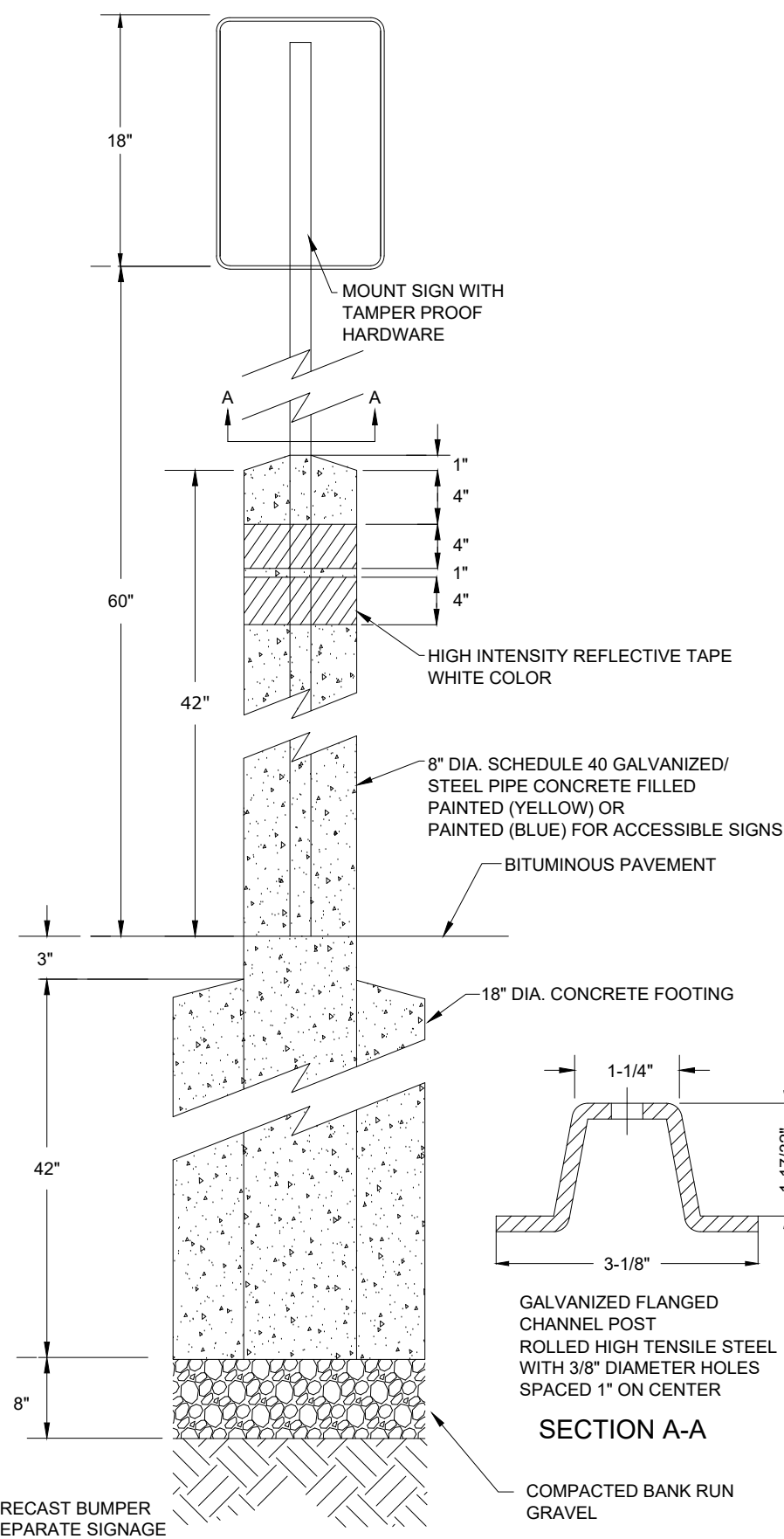


- NOTES:
- ALL COMPACTION TO BE 95% STANDARD PROCTOR DENSITY.
 - CONCRETE TO BE 3500 PSI COMPRESSIVE STRENGTH AT 28 DAYS.

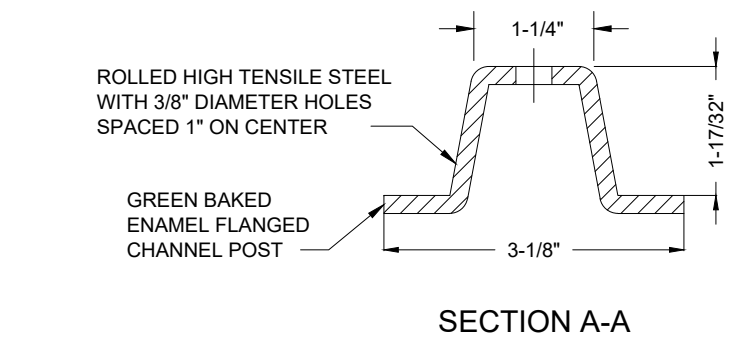
CONCRETE PAD
NOT TO SCALE



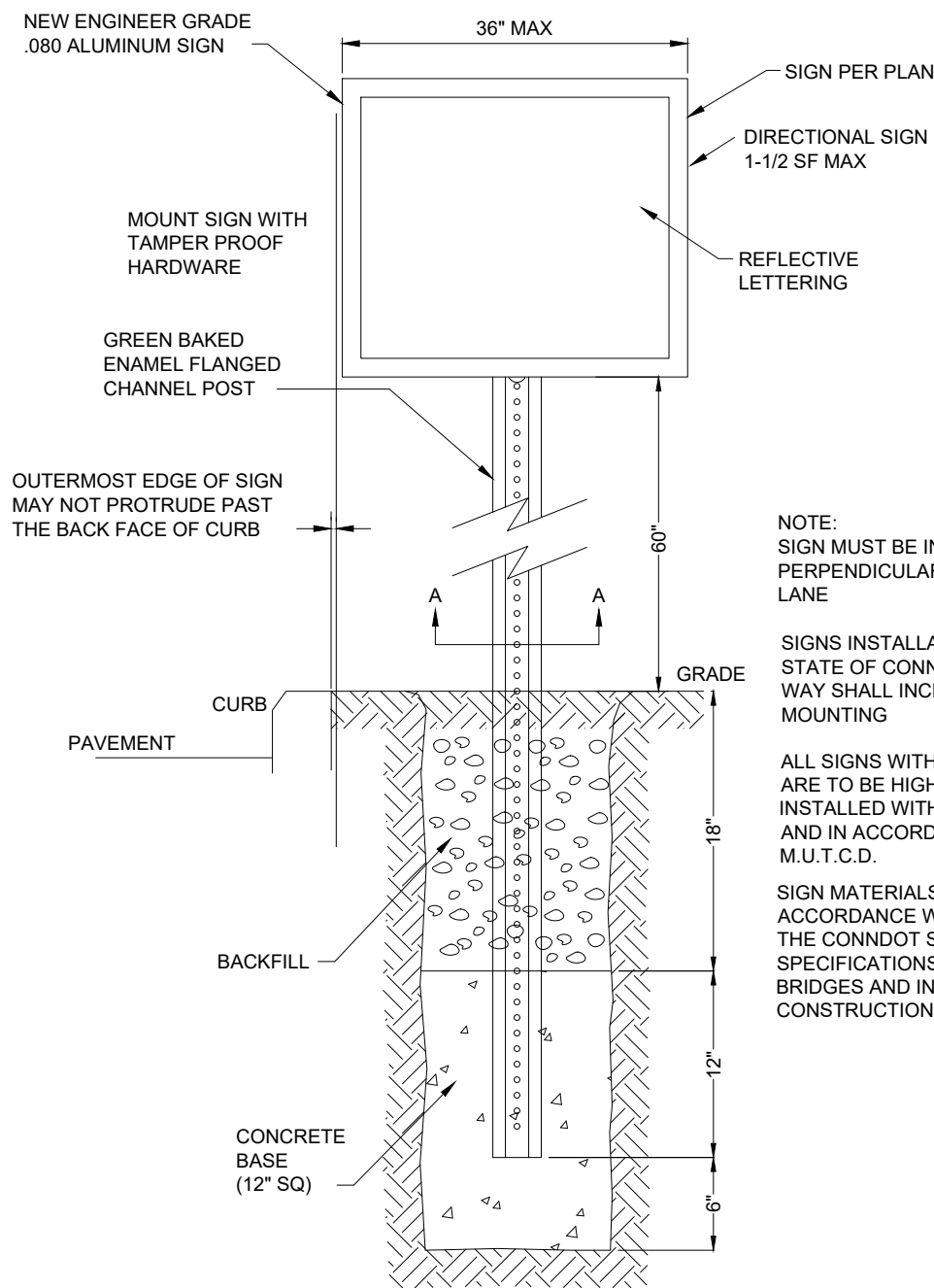
PAVEMENT REPLACEMENT DETAIL
NOT TO SCALE



BOLLARD MOUNTED SIGNAGE
SCALE: NONE



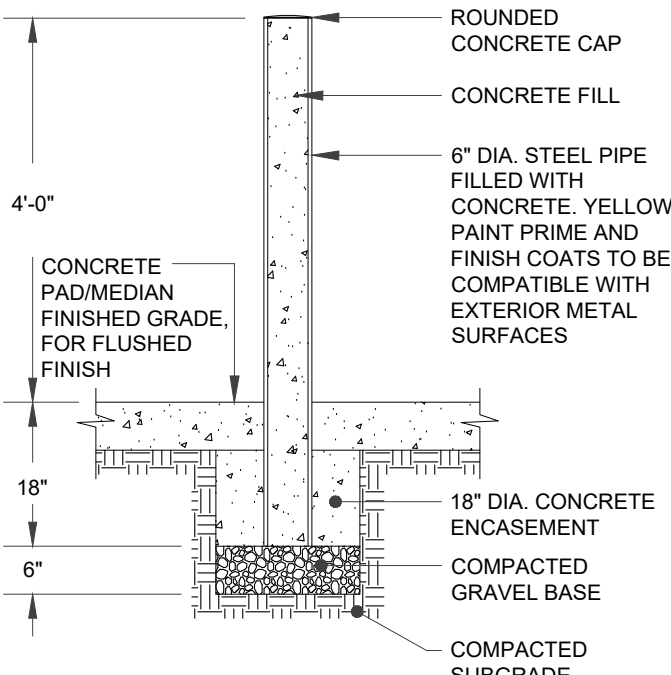
SECTION A-A



TRAFFIC SIGN

NOT TO SCALE

- NOTE:
- SIGN MUST BE INSTALLED PERPENDICULAR TO TRAVEL LANE.
- SIGNS INSTALLATIONS WITHIN THE STATE OF CONNECTICUT RIGHT OF WAY SHALL INCLUDE BREAKAWAY MOUNTING.
- ALL SIGNS WITHIN THE TOWN R.O.W. ARE TO BE HIGH INTENSITY PRISMATIC, INSTALLED WITH BREAKAWAY POSTS AND IN ACCORDANCE WITH THE M.U.T.C.D.
- SIGN MATERIALS SHALL BE IN ACCORDANCE WITH SECTION M.18 OF THE CONDOT STANDARD SPECIFICATIONS FOR ROADWAY, BRIDGES AND INCIDENTAL CONSTRUCTION.



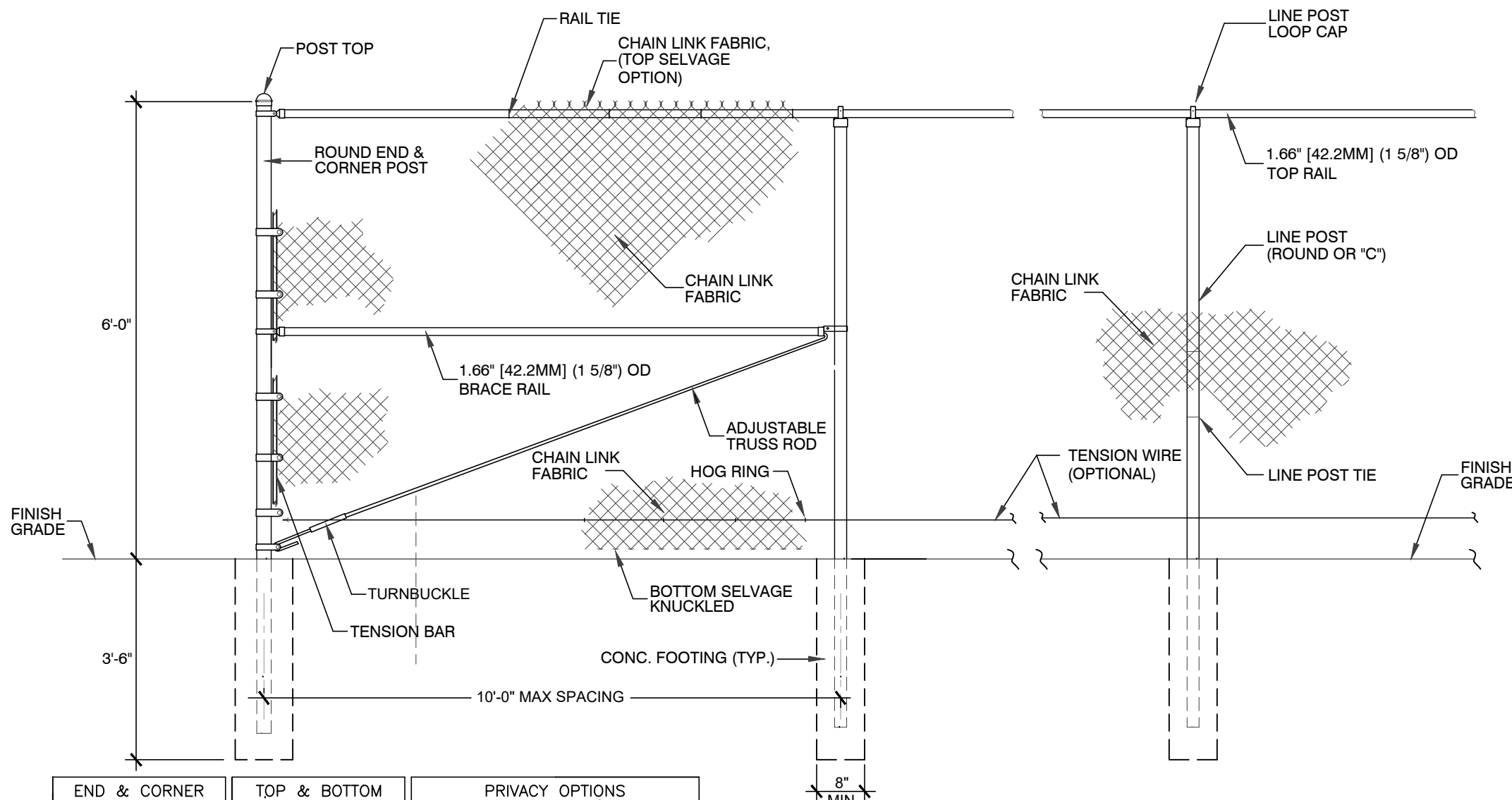
NOTE: CONCRETE: AC1301, 3000 PSI COMPRESSIVE STRENGTH AT 28 DAYS

STEEL BOLLARD

SCALE: NONE

NOTES:

- ALLOWABLE DESIGN STRESSES: CLASS "A" CONCRETE BASED ON $f_c = 3000$ psi. REINFORCEMENT: (ASTM A 615 GRADE 60) $f_y = 24000$ psi
- REINFORCEMENT COVER: ALL STEM REINFORCEMENT SHALL HAVE 2" COVER UNLESS OTHERWISE NOTED. ALL FOOTING REINFORCEMENT SHALL HAVE 3" COVER.
- AFTER EXCAVATION, CONTRACTOR SHOULD NOTIFY THE ENGINEER FOR THE INSPECTION OF THE EXISTING SOIL.
- ALL REINFORCEMENT IN THE STEM, INCLUDING THE FOOTING DOWELS, SHALL BE EPOXY COATED.



FENCE SECTION ELEVATION - ROUND END POSTS

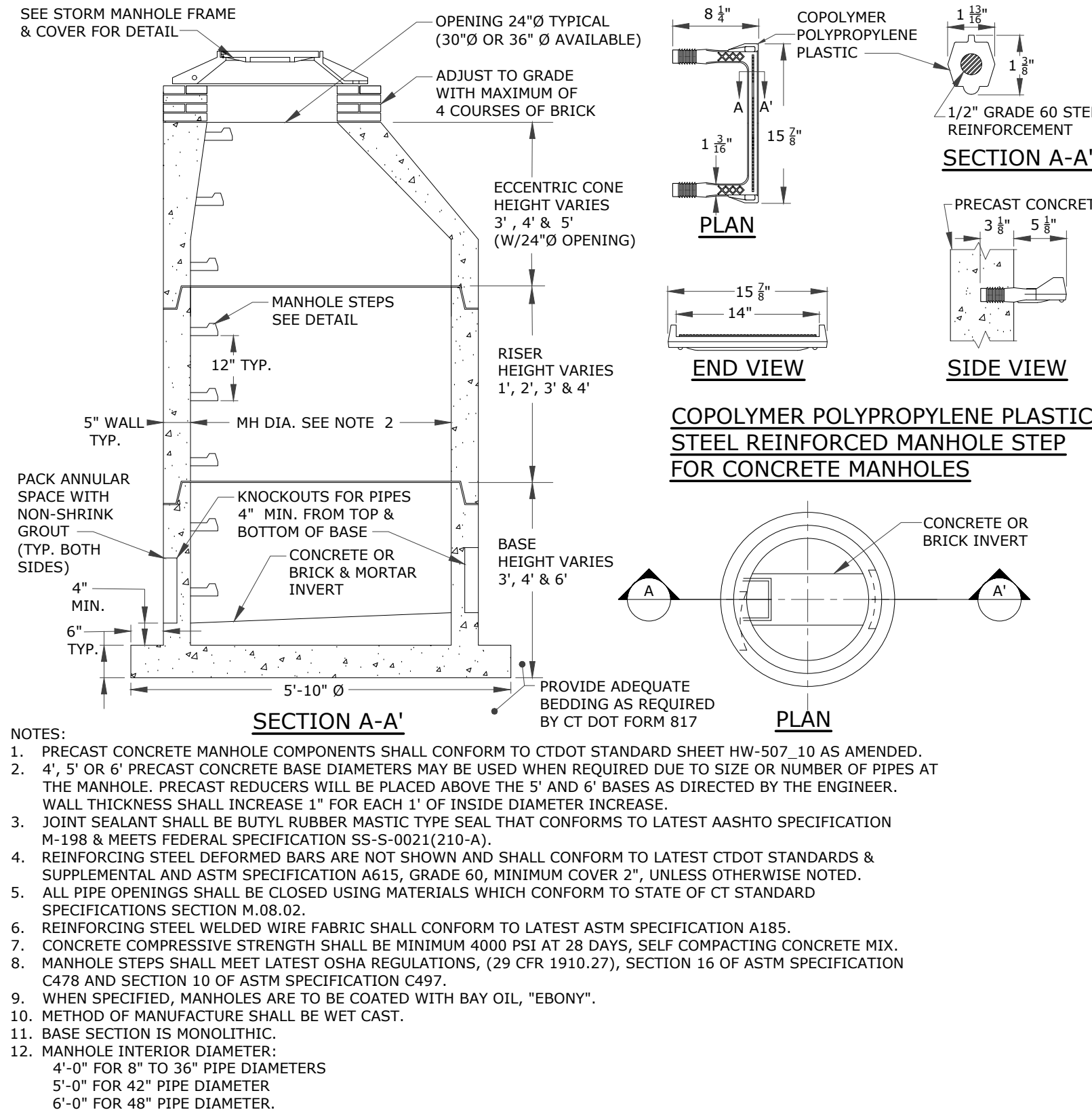
- NOTES:
- METRIC DIMENSIONS ARE NOMINAL EQUIVALENTS TO U.S. DIMENSIONS.
 - SPECIFICATIONS SHOWN CAN BE CHANGED BY MASTER HALCO ONLY.
 - FOOTING WIDTH TO BE (4)X POST WIDTH. MINIMUM DEPTH 36" [914MM].

CHAINLINK FENCE
NOT TO SCALE

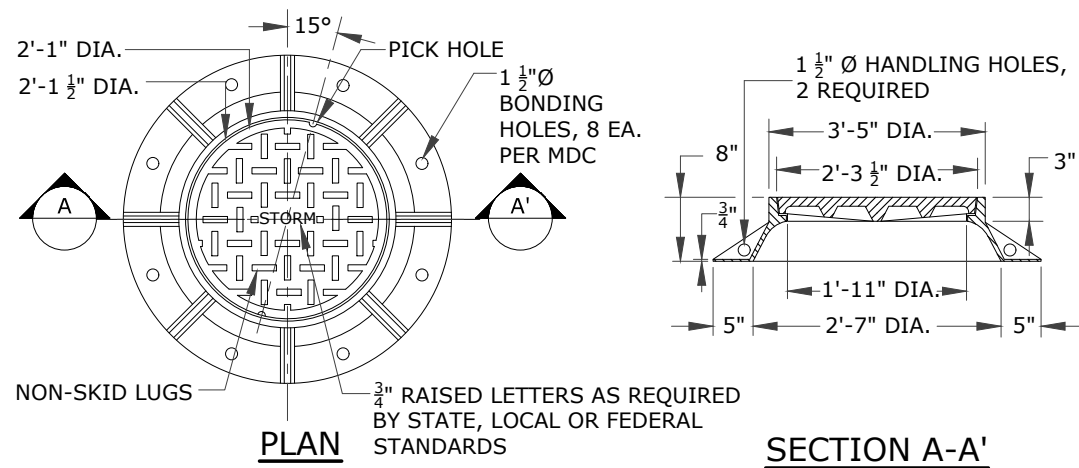
PZC PERMIT # _____ DATE OF APPROVAL _____ EXPIRATION DATE _____

PZC CHAIRMAN OR SECRETARY _____ DATE _____

V:\CT\GALES FERRY\VEHICLE BUILDINGS\CONCRETE\DETAILS\DWG\TBD\SITE DETAILS 2.dwg, 4/10/2023 1:20 PM by GSAFWBW Printed: 4/10/2023 1:47 PM



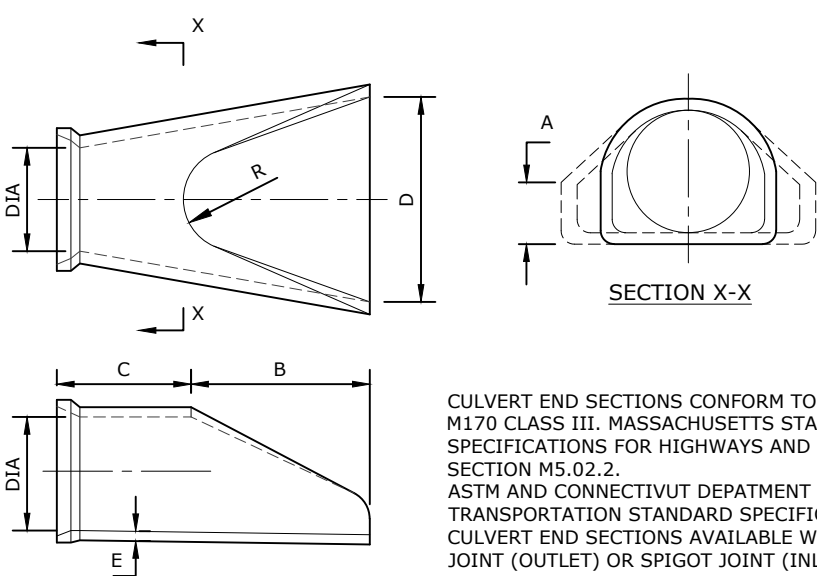
STANDARD PRECAST CONCRETE STORM MANHOLE DETAIL
SCALE: NONE



- NOTES:
1. STORM MANHOLE FRAMES AND COVERS SHALL CONFORM TO CTDOT FORM 817 STANDARD SPECIFICATION FOR ROADS, BRIDGES AND INCIDENTAL CONSTRUCTION AND CT DOT HIGHWAY STANDARD SHEETS HW-507.10, AS AMENDED.
 2. CHANNELS MAY BE SHAPED IN CONCRETE BASE OF MANHOLE OR FORMED USING BRICK OR MASONRY, UNLESS OTHERWISE DIRECTED.
 3. A FRAME OF 3'-3" WITH 4" FLANGE SHALL BE USED WHEN THE TOP DIAMETER OF A PRECAST CONE IS LESS THAN 3'-6". ALL OTHER FRAME DIMENSIONS SHALL REMAIN THE SAME.
 4. ALL DIMENSIONS SUBJECT TO MANUFACTURING TOLERANCES.

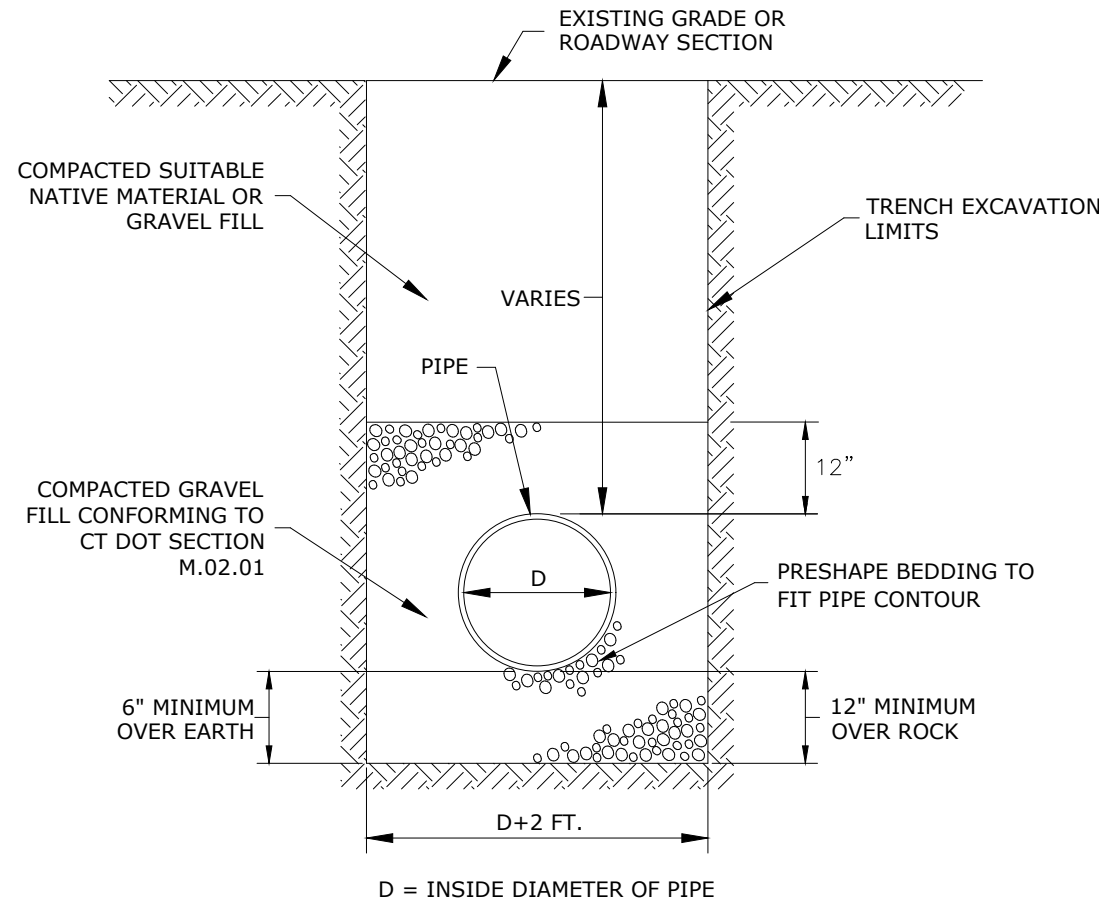
STORM MANHOLE FRAME & COVER DETAIL

SCALE: NONE



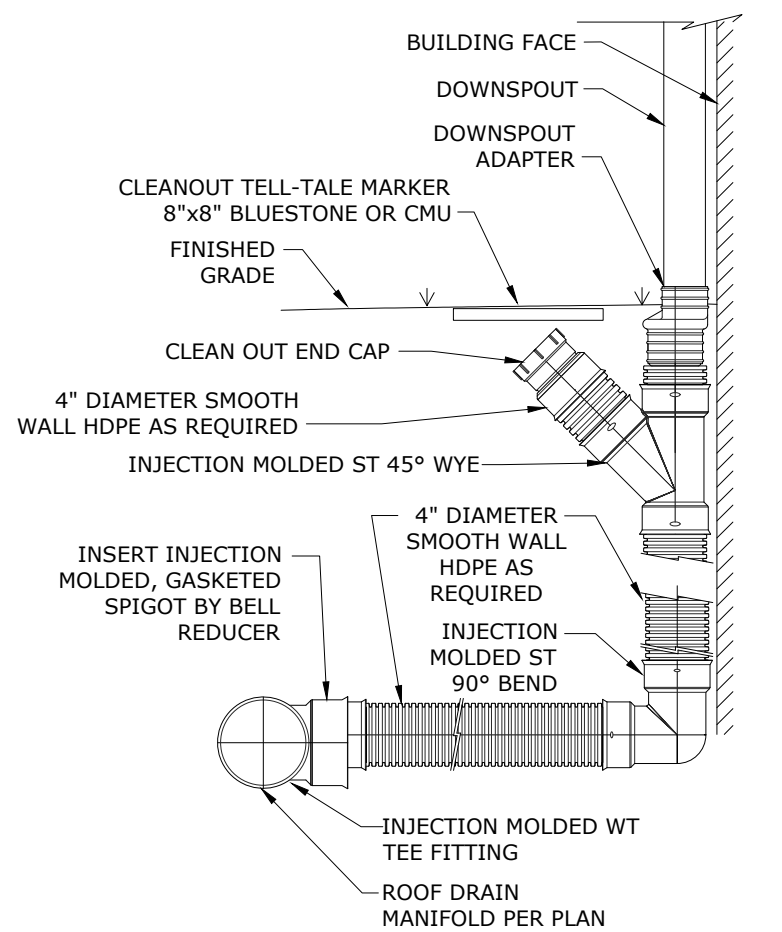
REINFORCED CONCRETE CULVERT ENDS

NOT TO SCALE



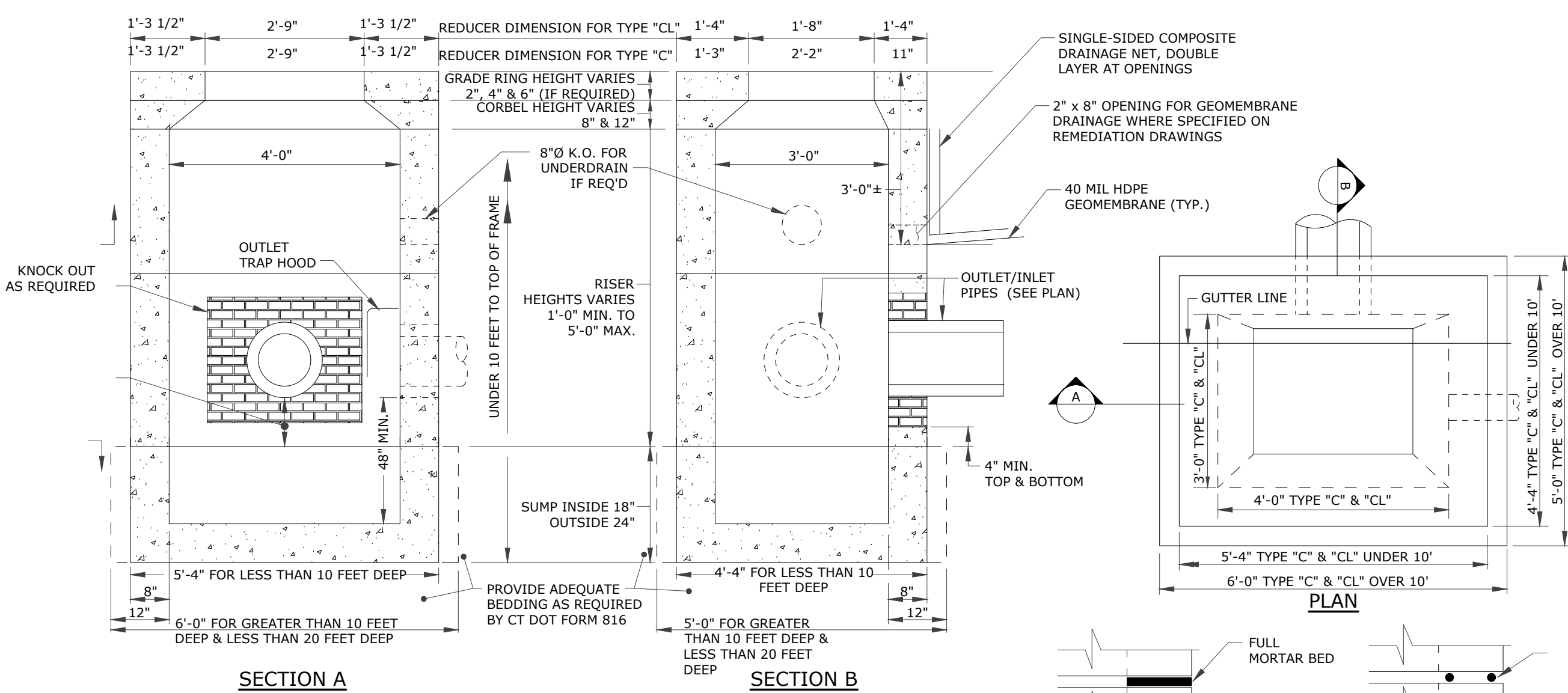
STORM DRAIN TRENCH

NOT TO SCALE



ROOF DRAIN DOWNSPOUT CONNECTION

NOT TO SCALE



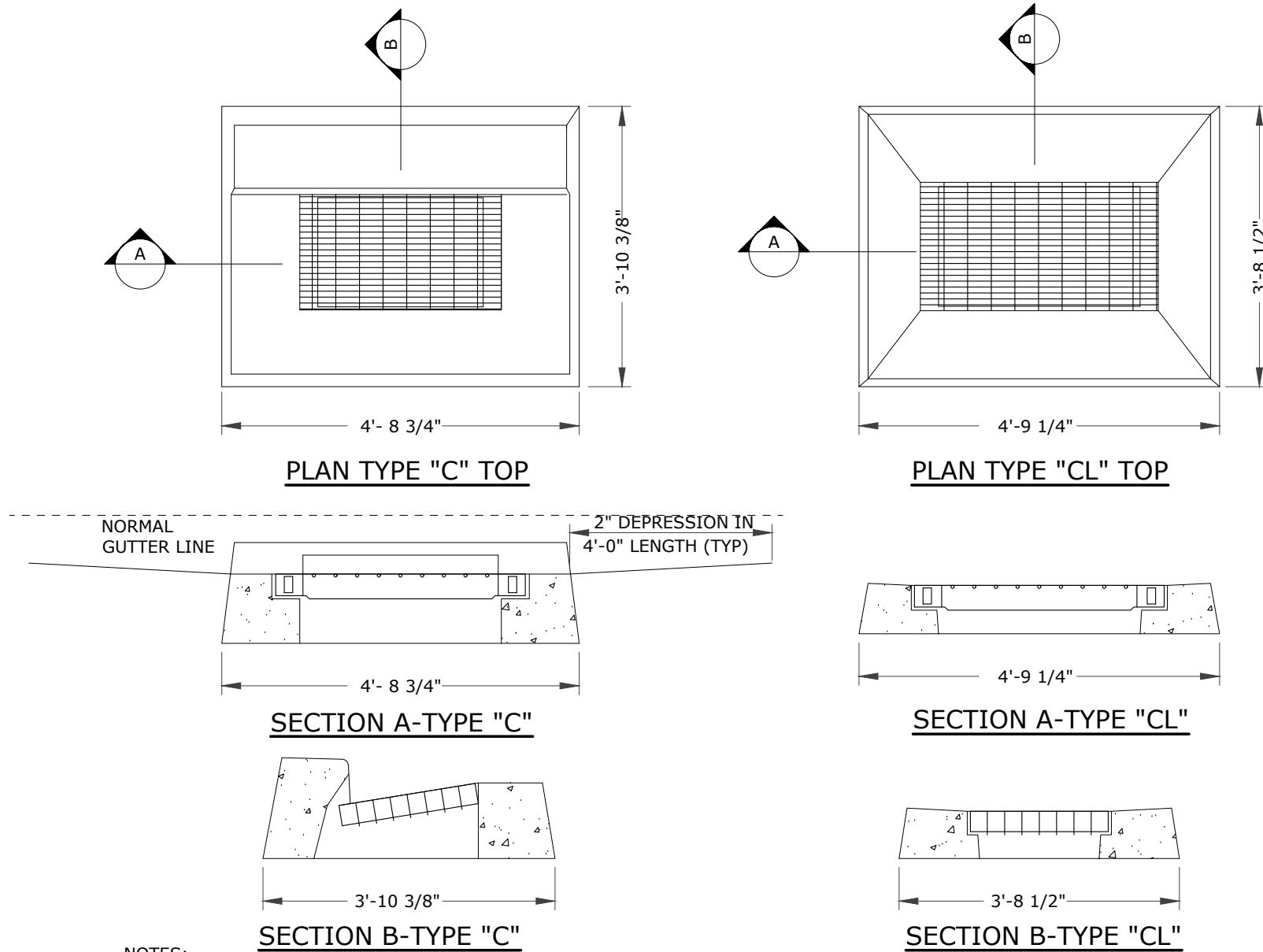
SECTION A

SECTION B

- NOTES:
1. PRECAST CONCRETE CATCH BASIN COMPONENTS SHALL CONFORM TO CTDOT FORM 816 STANDARD SPECIFICATION FOR ROADS, BRIDGES AND INCIDENTAL CONSTRUCTION AND CTDOT HIGHWAY STANDARD SHEETS HW-507.04, AS AMENDED.
 2. THIS DETAIL IS BASED ON CTDOT PRECAST CONCRETE TYPE "C" & "CL" CATCH BASIN COMPONENTS, (UNDER 10' DEEP SHOWN).
 3. REINFORCING STEEL DEFORMED BARS ARE NOT SHOWN AND SHALL CONFORM TO LATEST CTDOT STANDARDS & SUPPLEMENTAL AND ASTM SPECIFICATION A615, GRADE 60, MINIMUM COVER 2" UNLESS OTHERWISE NOTED.
 4. METHOD OF MANUFACTURE SHALL BE WET CAST.
 5. SUMP SECTION SHALL BE MONOLITHIC.
 6. DESIGN LOAD SHALL BE AASHTO H-20.

TYPE "C" & "C-L" PRECAST CONCRETE CATCH BASIN DETAIL

NOT TO SCALE



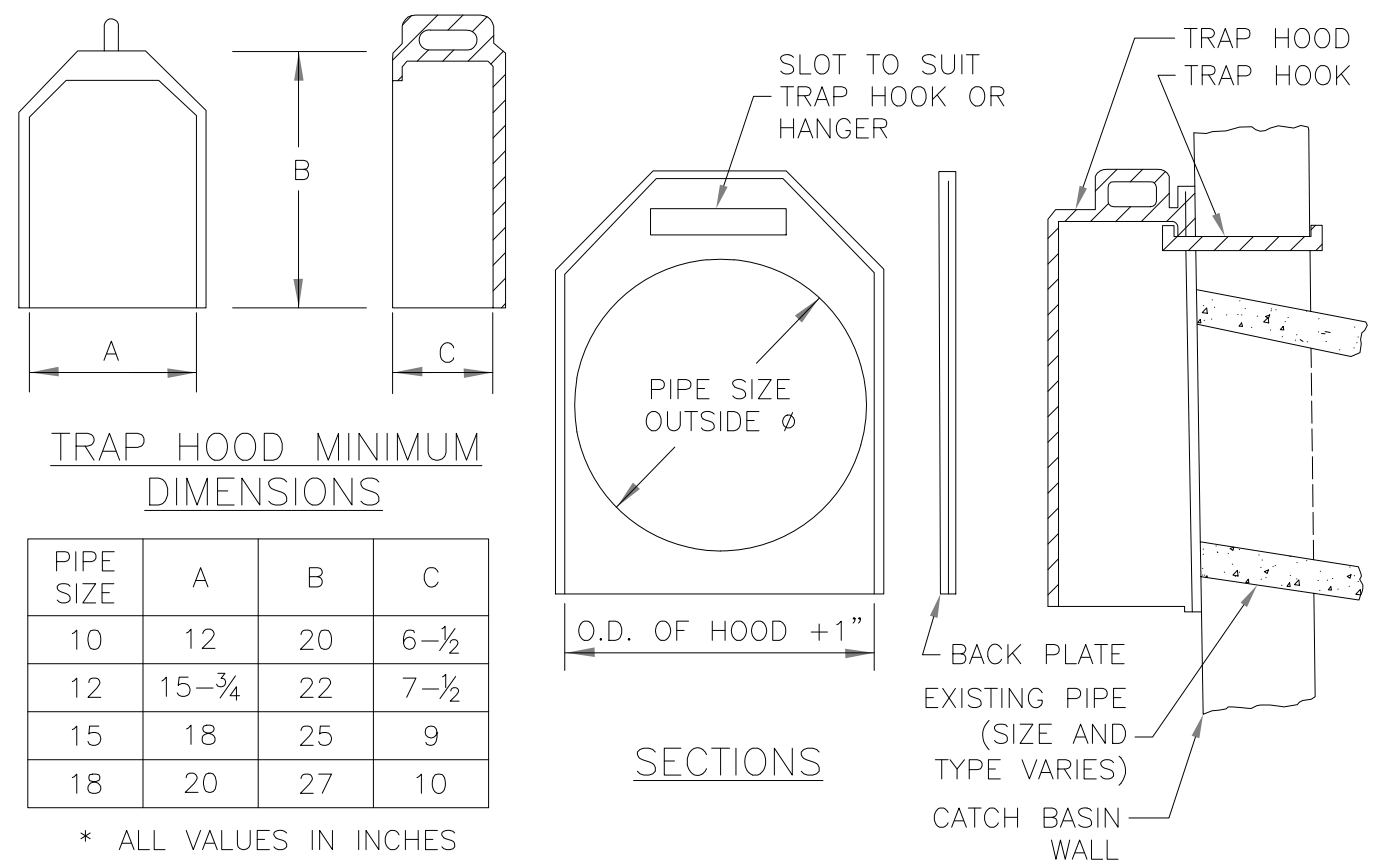
SECTION A-TYPE "C"

SECTION A-TYPE "CL"

- NOTES:
1. CATCH BASIN TOPS, CURBS AND GRATE COMPONENTS SHALL CONFORM TO CTDOT FORM 816 STANDARD SPECIFICATION FOR ROADS, BRIDGES AND INCIDENTAL CONSTRUCTION AND CTDOT HIGHWAY STANDARD SHEETS HW-507.07 AND HW-507.08, AS AMENDED.
 2. REINFORCING STEEL DEFORMED BARS ARE NOT SHOWN AND SHALL CONFORM TO LATEST CTDOT STANDARDS & SUPPLEMENTAL AND ASTM SPECIFICATION A615, GRADE 60, MINIMUM COVER 2" UNLESS OTHERWISE NOTED.
 3. ALL STEEL, EXCEPT REINFORCING BARS, SHALL BE GALVANIZED IN CONFORMANCE WITH SECTION M06.03 OF CONNECTICUT STANDARD SPECIFICATIONS.
 4. TYPE "C" CATCH BASIN DEPRESSED GUTTER STRIPS SHALL CONFORM TO CTDOT STANDARD SHEET HW-507.01, APPROVED 07-21-2013.

TYPE "C" & "C-L" CATCH BASIN TOP DETAILS

NOT TO SCALE



TRAP HOOD MINIMUM DIMENSIONS

PIPE SIZE	A	B	C
10	12	20	6-1/2
12	15-3/4	22	7-1/2
15	18	25	9
18	20	27	10

* ALL VALUES IN INCHES

- NOTES:
1. TRAP HOODS SHALL BE CAST IRON FOR 10", 12", 15" AND 18" PIPE SIZES AND FABRICATED ALUMINUM FOR 21" OR GREATER.
 2. ALL TRAP HOODS SHALL INCLUDE STAINLESS STEEL HOOKS OR HANGERS FOR MOUNTING TO THE CATCH BASIN WALL. BACK PLATES SHALL BE FURNISHED ONLY WHEN REQUESTED.
 3. TRAP HOODS SHALL BE FROM CAMPBELL FOUNDRY, NEENAH FOUNDRY, EAST JORDAN IRON WORKS OR APPROVED EQUAL. DIMENSIONS AND MODEL NUMBERS VARY BASED ON DISCHARGE PIPE SIZE AND MANUFACTURER.
 4. SEE MANUFACTURER FOR INSTALLATION INSTRUCTIONS.

CATCH BASIN TRAP HOOD

NOT TO SCALE

PZC PERMIT # _____ DATE OF APPROVAL _____ EXPIRATION DATE _____

PZC CHAIRMAN OR SECRETARY _____ DATE _____

SITE DETAILS 2

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GALES FERRY INTERMODAL LLC
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CORN. NO.
0451C2.06

DATE
04/06/2023

DRAWN BY
ESF

DATE
04/06/2023

APPROVED BY
SRM

DATE
04/06/2023

REV.
1

DESCRIPTION OF REVISION

REVISED PER UPDATED LAYOUT

DATE
04/06/2023

SRM

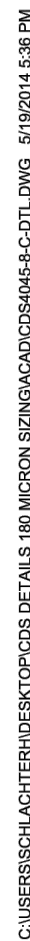
APPR.

DRAWING

C-13

SHEET
NO. 16

NO. OF
SHEETS 20



GENERAL NOTES

1. CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
2. DIMENSIONS MARKED WITH () ARE REPRESENTATIVE DIMENSIONS. ACTUAL DIMENSIONS MAY VARY.
3. FOR FABRICATION DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHTS, PLEASE CONTACT YOUR CONTECH ENGINEERED SOLUTIONS LLC REPRESENTATIVE. www.contechES.com
4. CDS WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING.
5. STRUCTURE SHALL MEET AASHTO H250 AND CASTINGS SHALL MEET H250 (AASHTO M 306) LOAD RATING, ASSUMING GROUNDWATER ELEVATION AT OR BELOW THE OUTLET PIPE INVERT ELEVATION. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION.
6. HYDRAULIC SHEAR PLATE IS PLACED ON SHELF AT BOTTOM OF SCREEN CYLINDER. REMOVE AND REPLACE AS NECESSARY DURING MAINTENANCE CLEANING.



CDS4045-8-C
 INLINE CDS
 STANDARD DETAIL

CDS4045-8-C
 INLINE CDS
 STANDARD DETAIL



NOT TO SCALE



NOT TO SCALE



GENERAL NOTES

1. CONTACT TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
2. DIMENSIONS MARKED WITH * ARE REFERENCE DIMENSIONS. ACTUAL DIMENSIONS MAY VARY.
3. FOR FABRICATION DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHTS, PLEASE CONTACT YOUR CONTECH ENGINEERING SOLUTIONS LLC REPRESENTATIVE. www.contechEScom
4. CDS WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING.
5. ALL STRUCTURES SHALL MEET A MINIMUM ASSUMING GROUNDWATER ELEVATION AT OR BELOW THE OUTLET PIPE INVERT ELEVATION. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION. CASTINGS SHALL MEET H250 (ASHTO M 306) AND BE CAST WITH THE CONTECH LOGO.
6. IF REQUIRED, PVC HYDRAULIC SHEAR PLATE IS PLACED ON SHELF AT BOTTOM OF SCREEN CYLINDER. REMOVE AND REPLACE AS NECESSARY DURING MAINTENANCE CLEANING.



CDS5653-10-C
 INLINE CDS
 STANDARD DETAIL

CDS5653-10-C
 INLINE CDS
 STANDARD DETAIL

SITE DETAILS 3

GALES FERRY INTERMODAL LLC
549 SOUTH STREET, QUINCY, MA 02169

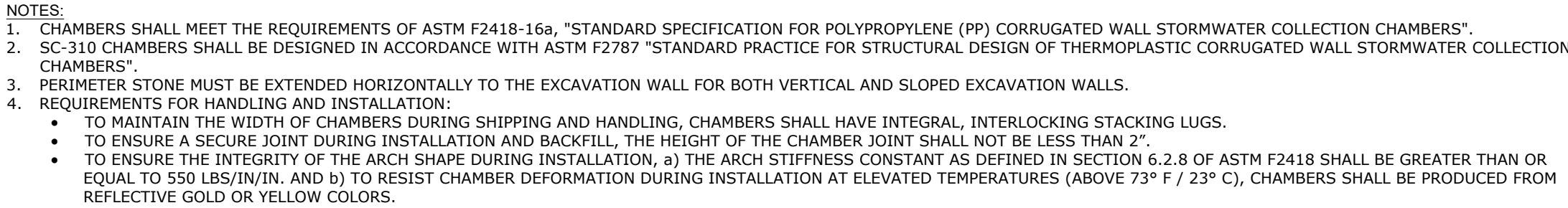
SHEET NO.	17	NO. OF SHEETS	20
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A circular professional engineer seal for the State of Connecticut. The outer ring contains the text "STATE OF CONNECTICUT" at the top and "PROFESSIONAL ENGINEER" at the bottom. Inside the ring, the name "GEORGE F. ANDREWS, JR." is written in a semi-circle. In the center is a small emblem of a ship. Below the emblem, the number "No. 19286" is printed. The seal is stamped in blue ink on a document.

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Waste • Facility Services • Laboratory

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COVER ENTIRE ISOLATOR ROW PLUS WITH ADS GEOSYNTHETICS 601T NON-WOVEN GEOTEXTILE; 8' MIN. WIDE

STORMTECH HIGHLY RECOMMENDS FLEXSTORM INSERTS IN ANY UPSTREAM STRUCTURES WITH OPEN GRATES

8" BYPASS MANIFOLD

SUMP DEPTH TBD BY SITE DESIGN ENGINEER (24" MIN. RECOMMENDED)

CATCH BASIN OR MANHOLE

SC-310 CHAMBER

OPTIONAL INSPECTION PORT

SC-310 END CAP

24" HDPE ACCESS PIPE REQUIRED USE FACTORY PRE-FABRICATED END CAP WITH FLAMP PART #: SC740EP24BR

ONE LAYER OF ADSPLUS125 WOVEN GEOTEXTILE BETWEEN FOUNDATION STONE AND CHAMBERS' MIN. WIDE CONTINUOUS FABRIC WITHOUT SEAMS

ALL STUBS, EXCEPT FOR THE SC310EPI2B ARE PLACED AT BOTTOM OF END CAP SUCH THAT THE OUTSIDE DIAMETER OF THE STUB IS FLUSH WITH THE BOTTOM OF THE END CAP. FOR ADDITIONAL INFORMATION CONTACT STORMTECH AT 1-888-892-2694.

* FOR THE SC310EPI2B THE 12" (300 mm) STUB LIES BELOW THE BOTTOM OF THE END CAP APPROXIMATELY 0.25" (6 mm). BACKFILL MATERIAL SHOULD BE REMOVED FROM BELOW THE N-12 STUB SO THAT THE FITTING SITS LEVEL.

NOTE: ALL DIMENSIONS ARE NOMINAL

The technical drawings illustrate the Stormtech system components and their installation. The plan view on the left shows three Stormtech chambers connected by an outlet manifold. Each chamber has a Stormtech end cap. The cross-sections, Section A-A and Section B-B, show the internal structure of the chambers, including the foundation stone beneath the chambers, ADS Geosynthetics 601T non-woven geotextile, and the dual wall perforated HDPE underdrain. The Stormtech end cap is shown at the top of the chamber. The plan view also includes a note: 'NUMBER AND SIZE OF UNDERDRAINS PER SITE DESIGN ENGINEER; E.T.Y.D. FOR SC-240'.

STORMTECH CHAMBERS

STORMTECH END CAP

OUTLET MANIFOLD

STORMTECH CHAMBER

FOUNDATION STONE BENEATH CHAMBERS

ADS GEOSYNTHETICS 601T NON-WOVEN GEOTEXTILE

SECTION A-A

DUAL WALL PERFORATED HDPE UNDERDRAIN

STORMTECH END CAP

FOUNDATION STONE BENEATH CHAMBERS

ADS GEOSYNTHETICS 601T NON-WOVEN GEOTEXTILE

SECTION B-B

NUMBER AND SIZE OF UNDERDRAINS PER SITE DESIGN ENGINEER; E.T.Y.D. FOR SC-240

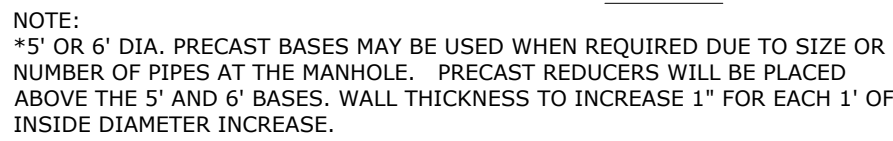
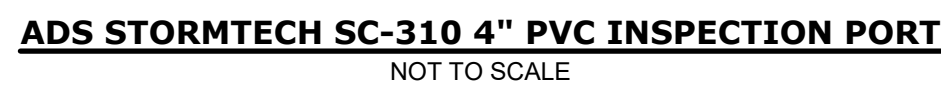
UNDERGROUND DETENTION SYSTEM ELEVATION SUMMARY TABLE										
STRUCTURE ID	CHAMBER TYPE	NUMBER OF CHAMBERS	TOP OF STONE ELEV.	TOP OF CHAMBER ELEV.	BOTTOM OF CHAMBER ELEV.	BOTTOM OF STONE ELEV.	INLET MANIFOLD SIZE	OUTLET MANIFOLD SIZE	INLET STUB INVERT ELEV.	OUTLET STUB INVERT ELEV.
STORMWATER MANAGEMENT AREA 3	SC-310	156	28.33	27.83	26.50	26.00	12"x6"	12"x12"	26.54(6'0")	26.58(12'0")

INLET/OUTLET CONTROL STRUCTURE ELEVATION SUMMARY TABLE						
STRUCTURE ID	TOP OF FRAME ELEV. A	TOP OF WEIR PLATE ELEV. B	LOW-FLOW ORIFICE/WEIR INVERT ELEV. C	INLET PIPE INVERT ELEV. D	OUTLET PIPE 1 INVERT ELEV. E	OUTLET PIPE 2 INVERT ELEV. F
ICS-1	55.40	52.00	--	48.10 (18"Ø) (N)	48.10 (12"Ø; ISOLATOR ROW) (S)	48.10 (12"Ø; INLET MANIFOLD) (E)
ICS-2	32.30	27.70	--	26.60 (15"Ø) (W)	26.60 (6"Ø; ISOLATOR ROW) (E)	26.60 (12"Ø; INLET MANIFOLD) (N & S)
ICS-3	31.75	27.70	--	26.60 (12"Ø) (N)	26.60 (6"Ø; ISOLATOR ROW) (W)	26.60 (12"Ø; INLET MANIFOLD) (S)
ICS-4	30.55	27.70	--	26.60 (12"Ø) (S)	26.60 (6"Ø; ISOLATOR ROW) (W)	26.60 (12"Ø; INLET MANIFOLD) (N)
OCS-1	37.45	36.45	35.00 (5"Ø ORIFICE) 31.00 (6"Ø ORIFICE)	--	--	31.00 (15"Ø) (E)
OCS-2	55.80	52.70	50.00 (6"Ø ORIFICE) 48.00 (5"Ø ORIFICE)	48.10 (12"Ø) (W) 48.00 (6"Ø) (S)	--	45.00 (15"Ø) (N)
OCS-3	31.70	27.83	9.1 (6"Ø ORIFICE) 8.5 (6"Ø ORIFICE)	26.60 (12"Ø) (N) 26.00 (6"Ø) (E)	--	25.50 (12"Ø) (E)

ACCEPTABLE FILL MATERIALS: STORMTECH SC-310 CHAMBER SYSTEMS

PLEASE NOTE:

1. THE LISTED ASH/STO DESIGNATIONS ARE FOR GRADATIONS ONLY. A STONE MATERIALS ALSO BE CLEAN, CRUSHED, ANGULAR, FOR EXAMPLE, A SPECIFICATION FOR #4 STONE WOULD STATE: "CLEAN, CRUSHED, ANGULAR NO. 4 (ASHTO M43) STONE".
2. STORMTCH COMPACTOR REQUIREMENTS ARE MET FOR 'A' LOCATION MATERIALS WHEN PLACED AND COMPACTED IN 6" (150 mm) (MAX) LIFTS USING TWO FULL COVERSAGES WITH A VIBRATORY COMPACTOR.
3. WHERE INfiltrATION SURFACES MAY BE COMPROMISED BY COMPACTION, FOR STANDARD DESIGN LOAD CONDITIONS, A FLAT SURFACE MAY BE ACHIEVED BY RAKING OR DRAGGING WITHOUT COMPACTION EQUIPMENT. FOR SPECIAL LOAD DESIGNERS, CONTACT STORMTCH FOR FURTHER INFORMATION.
4. ONCE LAYER C IS PLACED, ANY SOIL/MATERIAL CAN BE PLACED IN LAYER 'D' UP TO THE FINISHED GRADE. MOST PLAVEMENT SUBBASE SOILS CAN BE USED TO REPLACE THE MATERIAL REQUIREMENTS OF LAYER 'C' OR 'D' AT THE SITE DESIGN ENGINEER'S DISCRETION.

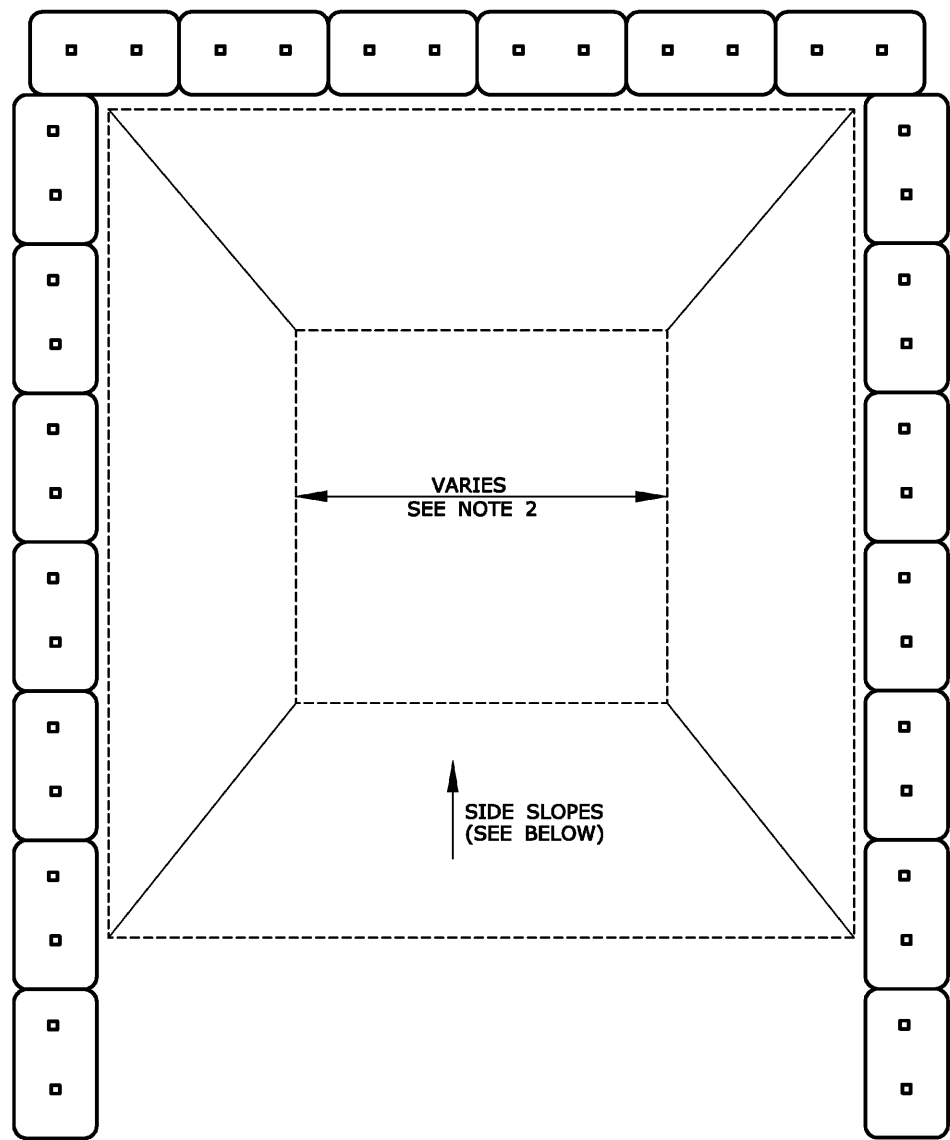


STORMTECH SYSTEM OVERFLOW CONTROL STRUCTURE DETAIL
NOT TO SCALE

PZC PERMIT # _____ DATE OF APPROVAL _____ EXPIRATION DATE _____

PZC CHAIRMAN OR SECRETARY _____ DATE _____

V:\ACT\GALES FERRY\ROUTE 12-17A\USAC2.06\LOCAL\PERMIT FOR EROSION CONTROL DETAILS.DWG Job: USAC2.06 Date: 4/10/2023 12:30 PM by: F56AMMER Printed: 4/10/2023 1:47 PM



PLAN

HAY BALES OR
COMPACTED EARTH BERM
(SEE NOTE 3)

DEPTH VARIES
SEE NOTE 2

EXISTING GROUND

10 MIL POLYETHYLENE SHEETING

SAND BAGS TO SECURE
SHEETING (OR METHOD
AS DIRECTED BY ENGINEER)

SIDE SLOPES TO BE
2H:1V OR 3H:1V (NOMINAL)

CONCRETE WASHOUT AREA

SCALE: NONE

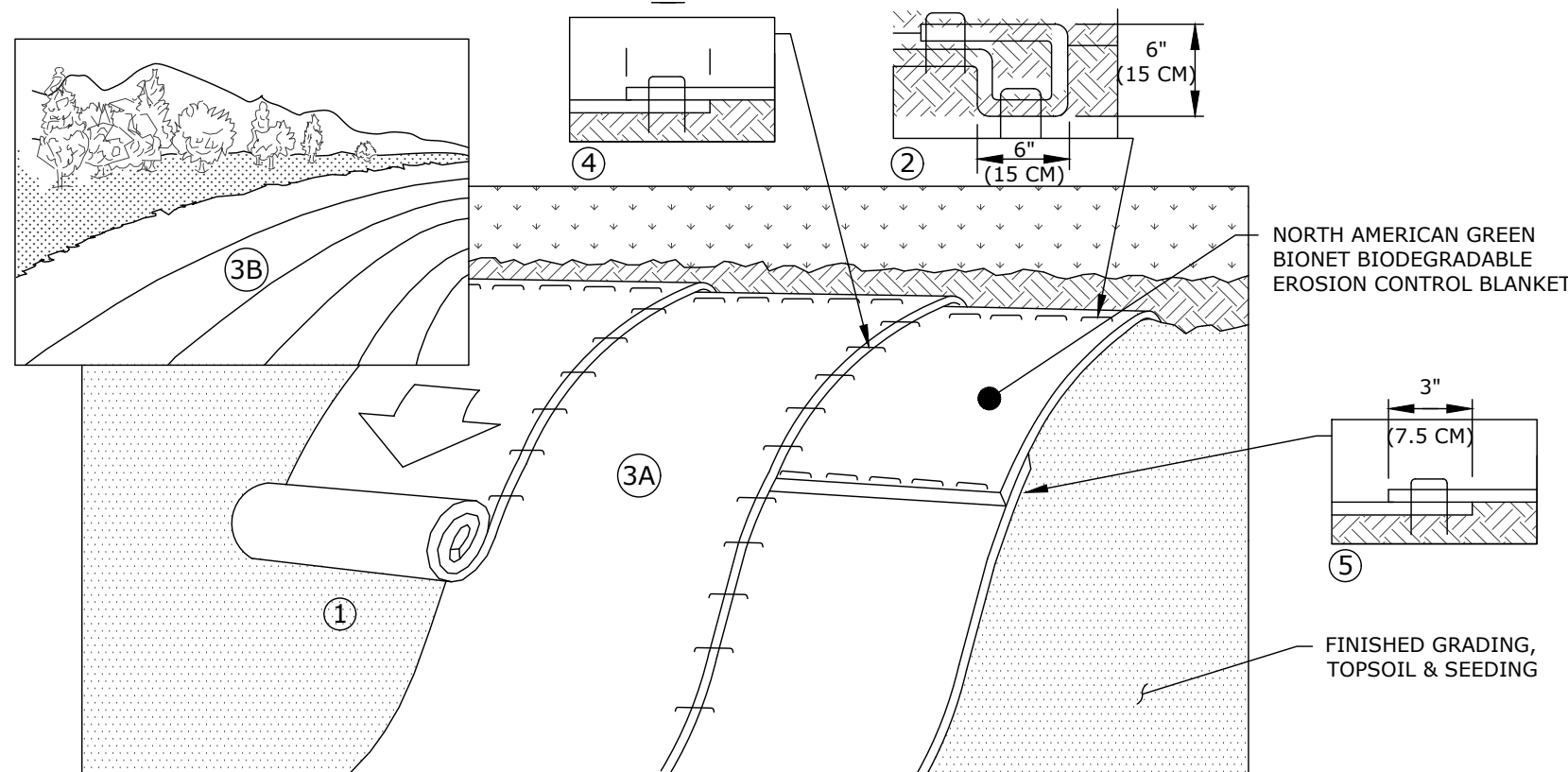
NOTE:
1. CONTRACTOR TO LOCATE, ERECT, AND MAINTAIN.

GENERAL NOTES:

1. CONCRETE WASHOUT AREA(S) SHALL BE INSTALLED PRIOR TO CONCRETE PLACEMENT ON SITE. THE CONCRETE WASHOUT AREA SHALL BE ENTIRELY SELF-CONTAINED.
2. THE CONTRACTOR SHALL SUBMIT THE DESIGN, LOCATION AND SIZING OF THE CONCRETE WASHOUT AREA(S) WITH THE PROJECT'S EROSION AND SEDIMENTATION CONTROL PLAN AND SHALL BE APPROVED BY THE ENGINEER.

LOCATION: WASHOUT AREA(S) ARE TO BE LOCATED AT LEAST 50 FEET FROM ANY STREAM, WETLAND, STORM DRAINS, OR OTHER SENSITIVE RESOURCE. THE FLOOD CONTINGENCY PLAN MUST ADDRESS THE CONCRETE WASHOUT IF THE WASHOUT IS TO BE LOCATED WITHIN THE FLOODPLAIN.

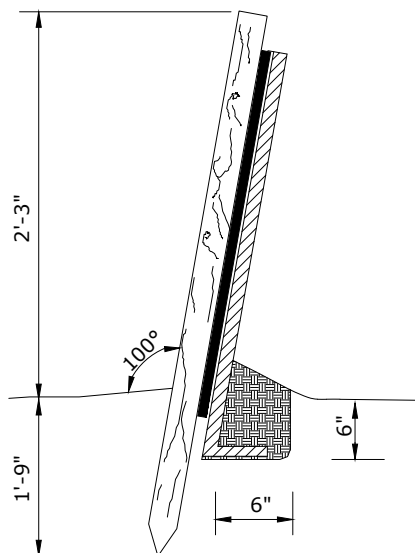
SIZE: THE WASHOUT MUST HAVE SUFFICIENT VOLUME TO CONTAIN ALL LIQUID AND CONCRETE WASTE GENERATED BY WASHOUT OPERATIONS INCLUDING, BUT NOT LIMITED TO, OPERATIONS ASSOCIATED WITH GROUT AND MORTAR.
3. SURFACE DISCHARGE IS UNACCEPTABLE. THEREFORE, HAY BALES OR OTHER CONTROL MEASURES, AS APPROVED BY THE ENGINEER, SHOULD BE USED AROUND THE PERIMETER OF THE CONCRETE WASHOUT AREA FOR CONTAINMENT.
4. SIGNS SHOULD BE PLACED AT THE CONSTRUCTION ENTRANCE, AT THE CONCRETE AREA(S) AND ELSEWHERE AS NECESSARY TO CLEARLY INDICATE THE LOCATION OF THE CONCRETE WASHOUT TO OPERATORS OF CONCRETE TRUCKS AND PUMP RIGS. WASHOUT AREA(S) SHOULD BE FLAGGED WITH SAFETY FENCING OR OTHER APPROVED METHOD.
5. WASHOUT AREA(S) ARE TO BE INSPECTED AT LEAST ONCE A WEEK FOR STRUCTURAL INTEGRITY, ADEQUATE HOLDING CAPACITY AND CHECKED FOR LEAKS, TEARS, OR OVERFLOWS. (AS REQUIRED BY THE CONSTRUCTION SITE ENVIRONMENTAL INSPECTION REPORT) WASHOUT AREA(S) SHOULD BE CHECKED AFTER HEAVY RAINS.
6. HARDENED CONCRETE WASTE SHOULD BE REMOVED AND DISPOSED OF WHEN THE WASTE HAS ACCUMULATED TO HALF OF THE CONCRETE WASHOUT'S DEPTH. THE WASTE CAN BE STORED AT AN UPLAND LOCATION, AS APPROVED BY THE ENGINEER. ALL CONCRETE WASTE SHALL BE DISPOSED OF IN A MANNER CONSISTENT WITH ALL APPLICABLE LAWS, REGULATIONS, AND GUIDELINES.
7. PAYMENT FOR THIS ITEM IS TO BE INCLUDED UNDER THE GENERAL COST OF THE WORK FOR THE PROJECT, INCLUDING SITE RESTORATION.



- Notes:
1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED. WHEN USING CELL-O-SEED DO NOT SEED PREPARED AREA. CELL-O-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN.
 2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 6" (15CM), DEEP X 6" (15CM), WIDE TRENCH WITH APPROXIMATELY 12", (30CM), OF BLANKET EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE BLANKET WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12", (30CM), APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12", (30CM), PORTION OF BLANKET BACK OVER SEED AND COMPACTED SOIL. SECURE BLANKET OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12", (30CM), APART ACROSS THE WIDTH OF THE BLANKET. IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6", (15 CM), MAY BE NECESSARY TO PROPERLY SECURE THE BLANKETS.
 3. ROLL THE BLANKETS (A.) DOWN OR (B.) HORIZONTALLY ACROSS THE SLOPE. BLANKETS WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL BLANKETS MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. WHEN USING OPTIONAL DOT SYSTEM™, STAPLES/STAKES SHOULD BE PLACED THROUGH EACH OF THE COLORED DOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN.
 4. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2"-5", (5CM-12.5CM), OVERLAP DEPENDING ON BLANKET TYPE. TO ENSURE PROPER SEAM ALIGNMENT, PLACE THE EDGE OF THE OVERLAPPING BLANKET (BLANKET BEING INSTALLED ON TOP) EVEN WITH THE COLORED SEAM STITCH™ ON THE PREVIOUSLY INSTALLED BLANKET.
 5. CONSECUTIVE BLANKETS SPICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE 3", (7.5CM), OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12", (30CM), APART ACROSS ENTIRE BLANKET WIDTH.

EROSION CONTROL BLANKET DETAIL

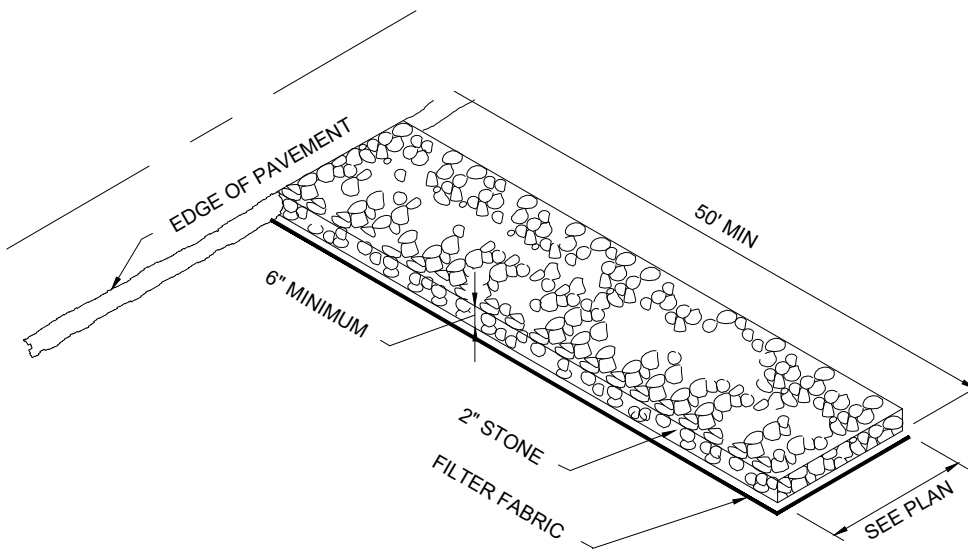
NOT TO SCALE



NOTE: PREMANUFACTURED FENCE MAY BE USED.

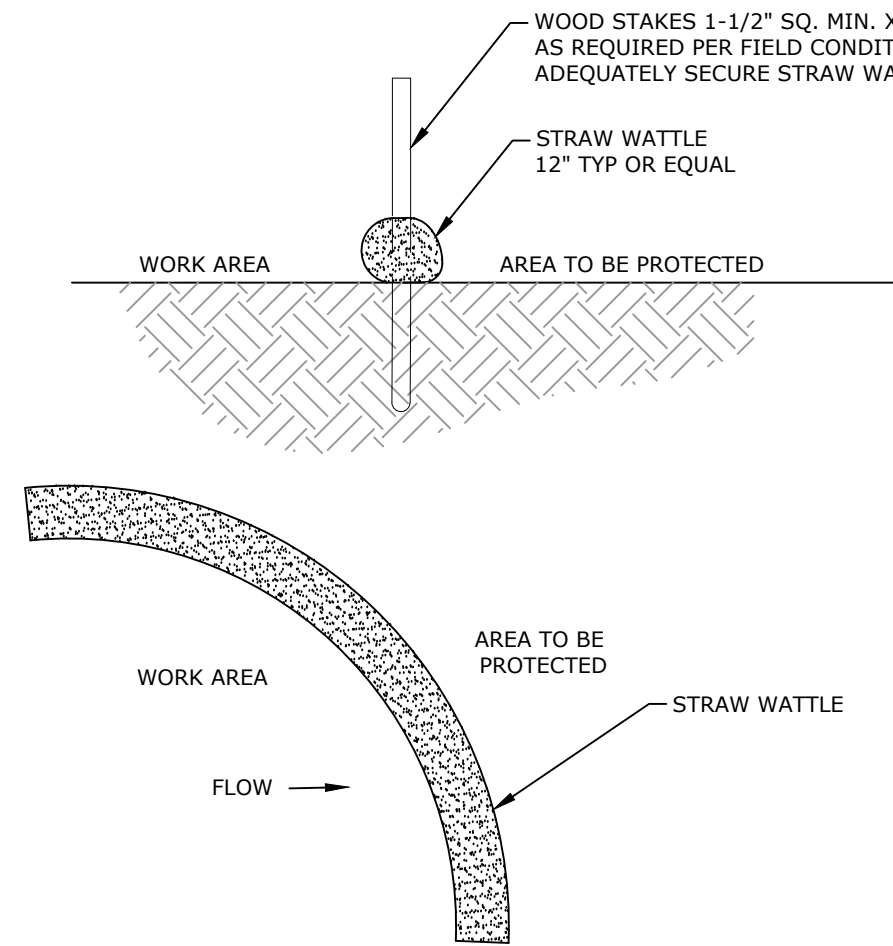
SILT FENCE

NOT TO SCALE



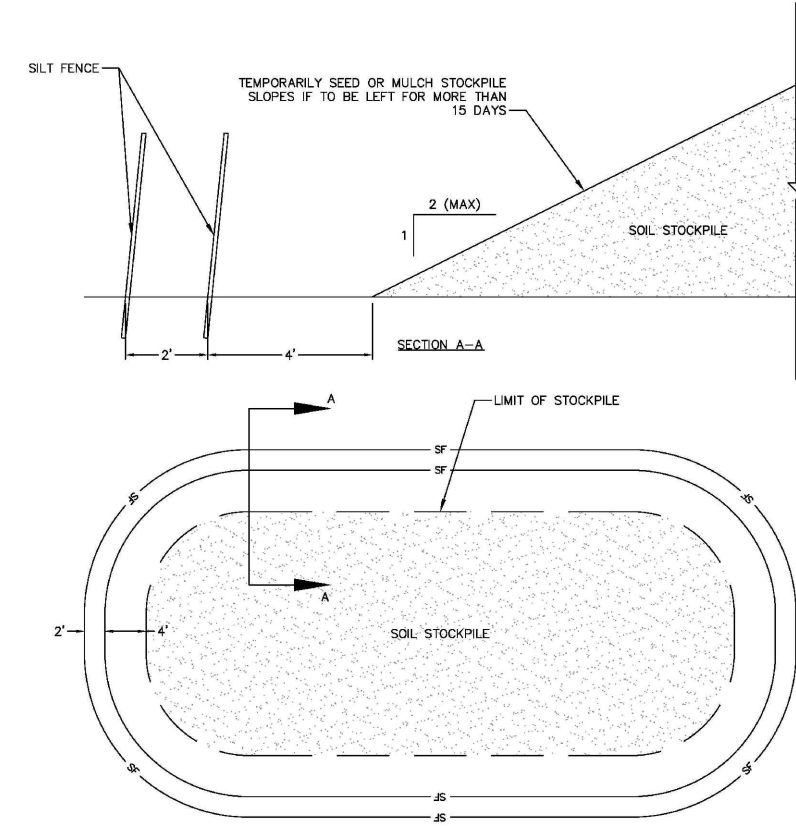
TEMPORARY CONSTRUCTION ENTRANCE

NOT TO SCALE



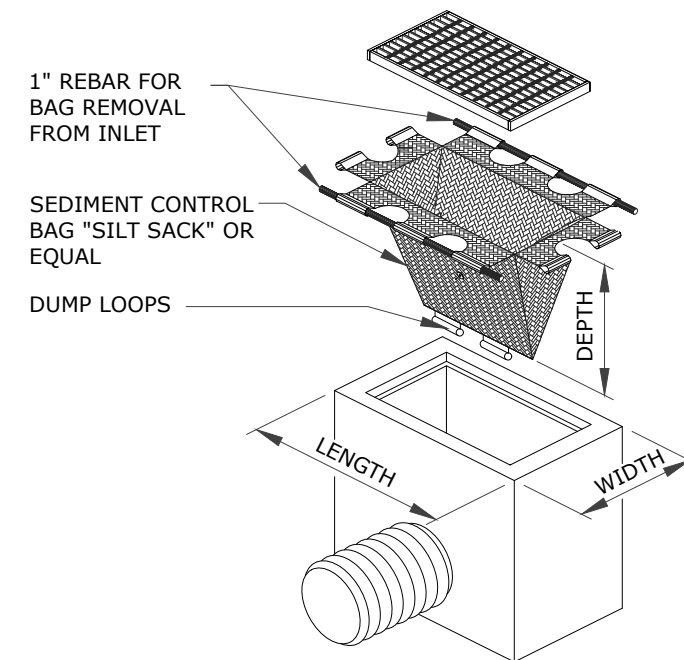
STRAW WATTLE DETAIL

NOT TO SCALE



TEMPORARY SOIL STOCKPILE DETAIL

NOT TO SCALE

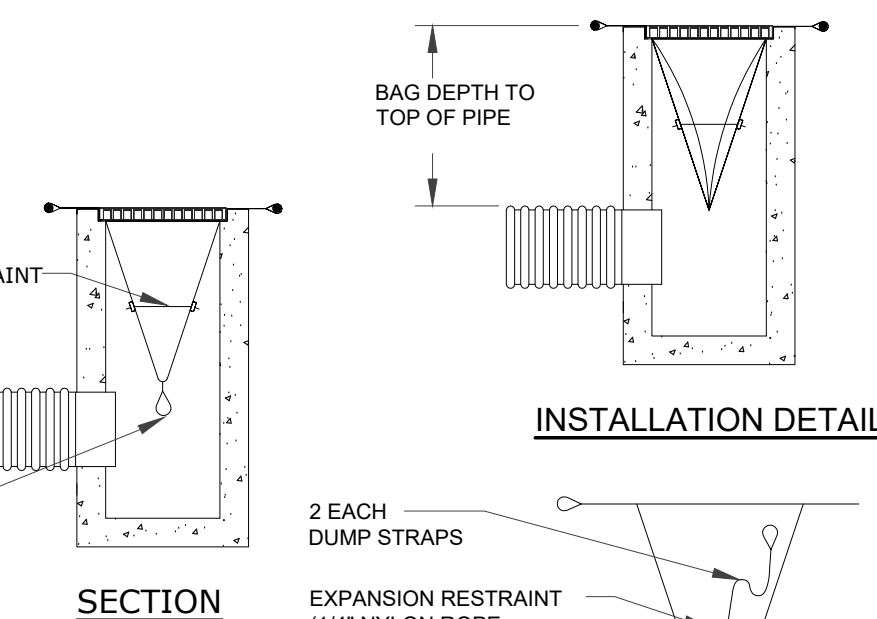


NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE CORRECT SIZE DEVICE FOR EACH INLET. FOR NON-STANDARD CATCH BASINS AND INLETS, THE CONTRACTOR SHALL MEASURE DIMENSIONS IN THE FIELD AND ORDER THE APPROPRIATE SIZE(S).
2. THE INLET SEDIMENT CONTROL DEVICE SHALL BE OF HIGH FLOW DESIGN (200 GAL/MIN/FT), AS PER THE MANUFACTURER'S SPECS.
3. THE SEDIMENT CONTROL DEVICE SHALL BE INSPECTED DAILY BY THE CONTRACTOR AND CLEANED AND MAINTAINED A MINIMUM ONCE PER MONTH OR WITHIN THE 48 HOURS FOLLOWING A STORM EVENT. THE FILTER SHALL BE REPLACED OR CLEANED WHEN THE BAG BECOMES HALF FULL. THE FILTER SHALL BE CLEANED IN A MANNER WHICH ENSURES THAT ALL SEDIMENT REMAINS ON SITE.
4. SUBSTITUTION OF A SHEET OF FILTER FABRIC PLACED OVER THE OPENING OF THE INLET IS NOT APPROVED.
5. RECESSED CURB INLET CATCH BASINS MUST BE BLOCKED WHEN USING FILTER FABRIC INLET SACKS, SIZE OF FILTER INLET SACK TO BE DETERMINED BY MANUFACTURER.
6. THE FILTER DEVICE SHALL BE MANUFACTURED BY ACF ENVIRONMENTAL OR APPROVED EQUAL.

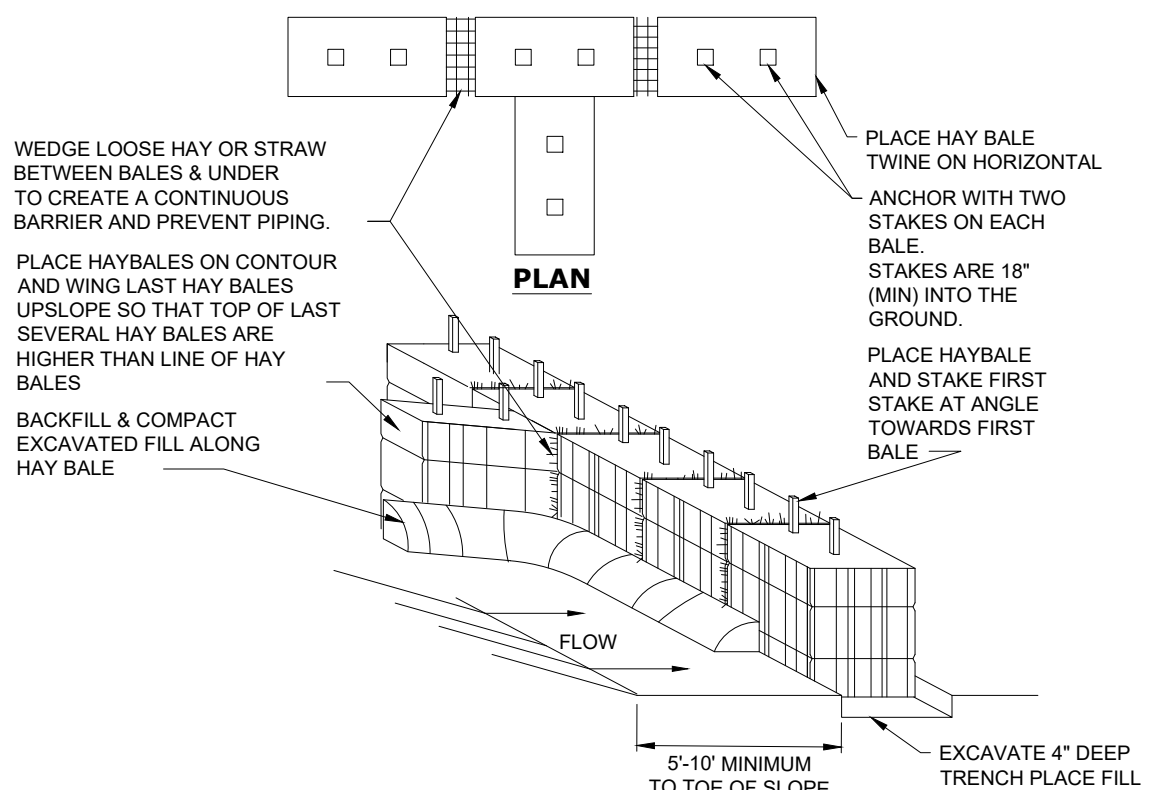
CATCH BASIN FILTER (SILT SACK) DETAIL

NOT TO SCALE



INSTALLATION DETAIL

BAG DETAIL



SECTION

HAYBALE BARRIER

NOT TO SCALE

PZC PERMIT # _____ DATE OF APPROVAL _____ EXPIRATION DATE _____

PZC CHAIRMAN OR SECRETARY _____

DATE _____

SOIL EROSION AND SEDIMENT CONTROL DETAILS

GALES FERRY INTERMODAL
1761 ROUTE 12, GALES FERRY, CONNECTICUT 06335
GALES FERRY INTERMODAL LLC
383 SOUTH STREET, SUITE 101, DANBURY, CT 06810

DRAWING

C-16

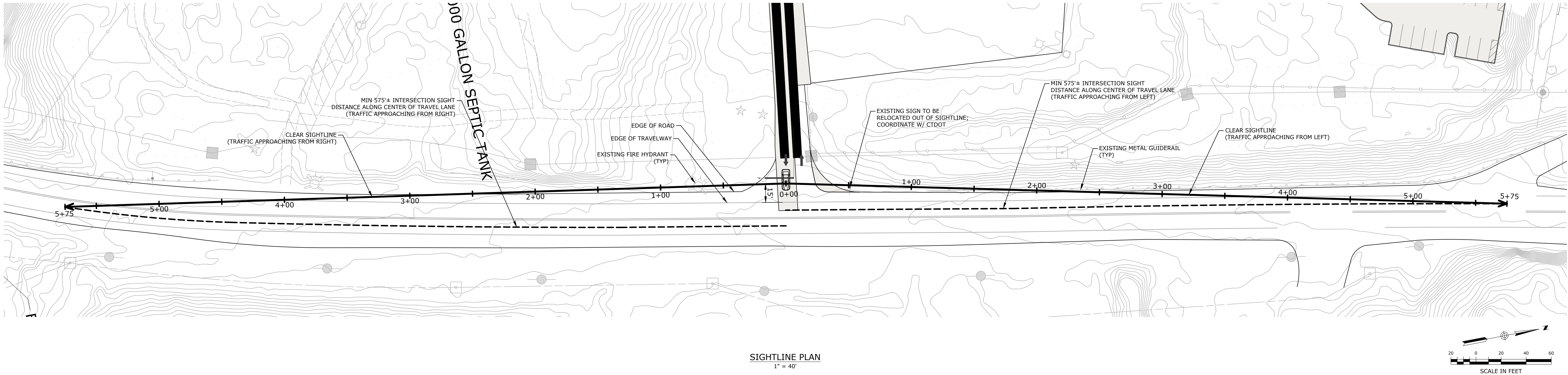
SHEET NO. 19 NO. OF SHEETS 20

REV.	DATE	DESCRIPTION OF REVISION
1	04/06/2023	REVISED PER UPDATED LAYOUT

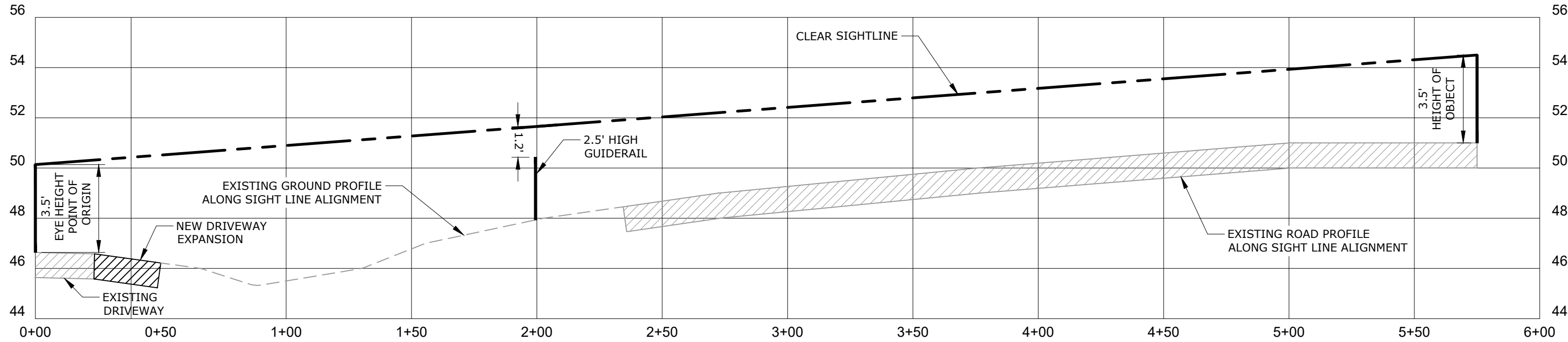


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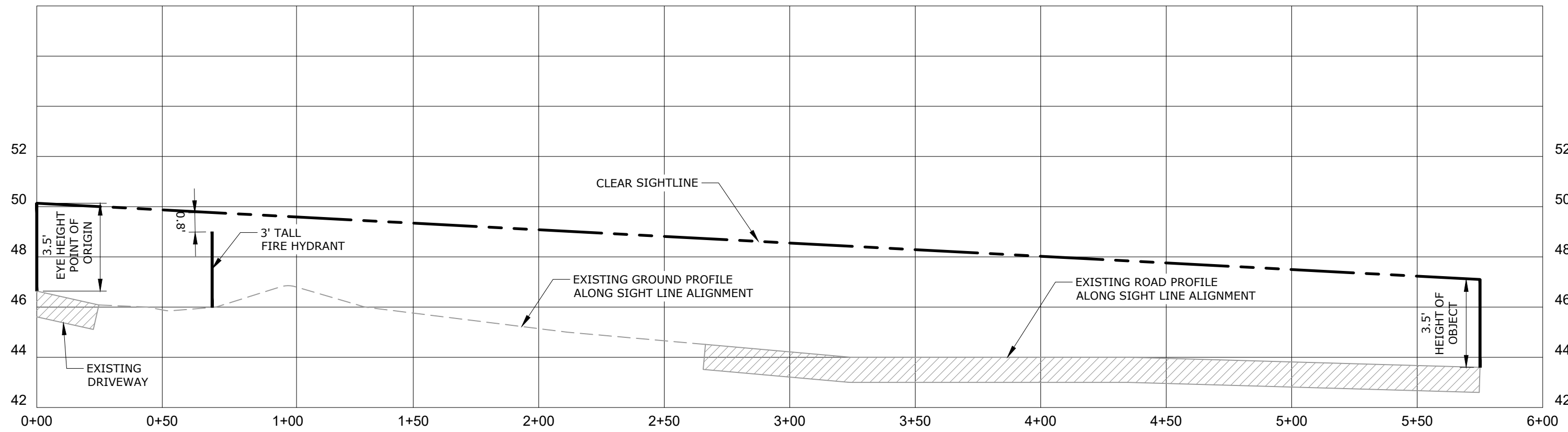
\\ACT\GALES_FERRY\ROUTE 12-17A\0451C2.dwg LOCAL PERMIT FOR STEELING BUILDINGS\0451C2\0451C2.dwg: SIGHTLINE DEMONSTRATION PLAN.dwg Sub: 3/7/2023 11:14 PM by: TCGREIFFING Printed: 4/10/2023 3:47 PM



SIGHTLINE PLAN
1" = 40'



PROFILE - SIGHTLINE TO THE LEFT
HORIZONTAL SCALE: 1" = 40'
VERTICAL SCALE: 1" = 4'



PROFILE - SIGHTLINE TO THE RIGHT
HORIZONTAL SCALE: 1" = 40'
VERTICAL SCALE: 1" = 4'

NOTES:

- 1) EXISTING ROADSIDE VEGETATION WILL BE REMOVED / TRIMMED AS NEEDED TO PROVIDE THE CLEAR SIGHTLINES DEPICTED ON THIS PLAN. REFER TO SITE PREPARATION AND DEMOLITION PLAN.
- 2) TOPOGRAPHY AND ELEVATIONS DEPICTED ON THIS PLAN WERE OBTAINED FROM CTECO 2016 LIDAR.
- 3) INTERSECTION SIGHT DISTANCE (ISD) OF 575' IS BASED UPON RECORDED 85TH PERCENTILE SPEED OF 52 MPH, PROVIDED BY CTDOT.

PZC PERMIT #	DATE OF APPROVAL	EXPIRATION DATE
PZC CHAIRMAN OR SECRETARY	DATE	

STATE OF CONNECTICUT GEORGE F. LOUREIRO No. 10281 LICENSED PROFESSIONAL ENGINEER		REV. 1 DATE 04/06/2023 SRM APPR.
Loureiro Engineering Associates, Inc. Engineers • Architects • Interiors • Energy Waste • Facility Services • Laboratory 1761 ROUTE 12, GALES FERRY, CONNECTICUT 06335 Phone: 860-747-6311 • Fax: 860-747-8822 An Employee-Owned Company • www.loureiro.com © Loureiro Engineering Associates, Inc. All Rights Reserved 2023		DESCRIPTION OF REVISION
SIGHTLINE DEMONSTRATION PLAN		
GALES FERRY INTERMODAL 1761 ROUTE 12, GALES FERRY, CONNECTICUT 06335 GALES FERRY INTERMODAL LLC 383 SOUTH STREET, SUITE 101, GALESFERRY, CT 06340		
DRAWING C-17		
SHEET NO. 20	NO. OF SHEETS 20	