

SURVEY NOTES:

LOCATION OF FEATURES AND CONTOUR DATA DEPICTED HEREON WERE ACQUIRED BY FIELD SURVEY IN NOVEMBER 2019 SUPPLEMENTED IN MAY 2021 FOR LOCATION OF SOLAR CAR PORTS.

THERE IS NO BOUNDARY/DETERMINATION OPINION.

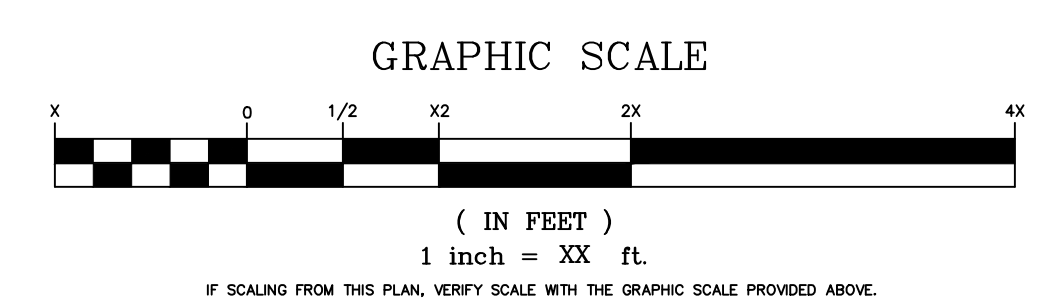
NO EASEMENTS PERTAINING TO THE SUBJECT PARCEL ARE DEPICTED HEREON.

NOT ALL IMPROVEMENTS ARE DEPICTED HEREON.

HORIZONTAL CONTROL IS BASED ON THE CONNECTICUT GEODETIC SURVEY STATE PLANE COORDINATES, NORTH AMERICAN DATUM OF 1983 - (NAD83).

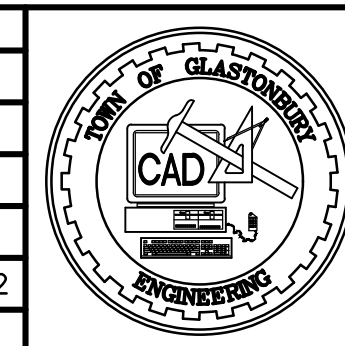
ELEVATIONS AND VERTICAL CONTROL IS BASED ON THE NORTH AMERICAN VERTICAL DATUM 1988 - (NAVD88).

THE LOCATION OF UNDERGROUND UTILITIES DEPICTED HEREON ARE BASED ON FIELD LOCATIONS AND BY INFORMATION PROVIDED BY OTHERS. THEIR TRUE LOCATIONS MAY VARY FROM THOSE INDICATED, AND ALL UNDERGROUND UTILITIES MAY NOT BE SHOWN. IF APPLICABLE, UTILIZE THE "CALL BEFORE YOU DIG" NUMBER (1-800-922-4455) TO VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES, AND RESOLVE CONFLICTS PRIOR TO STARTING CONSTRUCTION, REPAIR OR DESIGN.

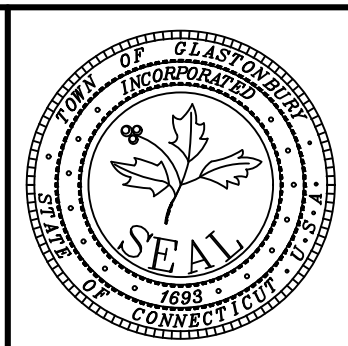


PW-1909

DRAWING ISSUE STATUS		
NO.	DESCRIPTION	DATE
1.	ISSUED FOR TPZ REVIEW	1/21/2022



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CHECKED BY: S.M.B.	1/21/2022
APPROVED BY: D.A.P.	1/21/2022
ST. FILE:	
DO NOT SCALE THIS DRAWING. USE THE DIMENSIONS GIVEN. IF THERE ARE ANY DISCREPANCIES OR QUESTIONS, CONTACT THE TOWN OF GLASTONBURY, ENGINEERING OFFICE.	



PRELIMINARY

PLAN DEPICTING
POLICE DEPARTMENT
FUELING STATION IMPROVEMENTS
LOCATED AT
2108 MAIN STREET
GLASTONBURY, CONNECTICUT

SHEET NO.
1
OF 1

FILE: H:\DWG\Streets\Main\SP14-2112 POLICE DEPT TUBEL STA IMPROVEMENTS\DW-2112 Fuel Tank Upgrade\Plan TPZ.dwg USER: Stephen Blum DATE: 5/11/2022

PROJECT NARRATIVE:
 THE POLICE DEPARTMENT FUELING STATION IMPROVEMENT PROJECT INCLUDES REMOVAL OF AN EXISTING 10,000 GALLON GASOLINE UST AND DEMOLITION OF THE EXISTING CONCRETE FUELING PAD, ISLAND, AND ASSOCIATED STRUCTURES AND EQUIPMENT. A NEW 10,000 GALLON ABOVE-GROUND CONCRETE GASOLINE TANK WILL BE INSTALLED ON A CONCRETE PAD, AND NEW FUELING ISLAND AND FUELING PAD INSTALLED ADJACENT TO THE TANK. A 24'X20' CANTILEVERED CANOPY WILL ALSO BE INSTALLED OVER THE NEW FUELING STATION AS PART OF THE PROJECT, WITH A SINGLE SUPPORT POST, CONCRETE FOOTING, AND ILLUMINATION.

- CONSTRUCTION SEQUENCE**
- OBTAIN NECESSARY PERMITS FROM TOWN OF GLASTONBURY BUILDING DEPARTMENT, INCLUDING BUILDING PERMIT, ELECTRICAL PERMIT, AND TANK REMOVAL PERMIT.
 - DISCONNECT ELECTRICAL AND COMMUNICATION LINES FROM EXISTING FUEL STATION, GAS PUMP, FUEL MANAGEMENT SYSTEM, AND VEEDERROOT SYSTEM. SALVAGE EXISTING FUEL MANAGEMENT SYSTEM AND STORE FOR RE-USE.
 - REMOVE AND DISPOSE OF EXISTING FUEL PUMP AND VEEDER ROOT SYSTEM COMPONENTS. DEMOLISH EXISTING CONCRETE FUELING PAD AND ASSOCIATED MANHOLES.
 - REMOVE EXISTING 10,000 GALLON UNDERGROUND GASOLINE TANK PER PROJECT SPECIFICATIONS. AFTER SOIL TESTING FOR TANK GRAVE IS COMPLETED BACKFILL TANK GRAVE WITH APPROVED GRANULAR BACKFILL MATERIAL IN MAXIMUM 8' LIFTS AS REQUIRED TO ACHIEVE 95% COMPACTION.
 - INSTALL FOOTING FOR CANOPY, INSTALL NEW ELECTRICAL AND COMMUNICATIONS CONDUITS PER PLAN, INSTALL NEW PVC ROOF DRAIN TO EXISTING CATCH BASIN.
 - INSTALL PROCESSED STONE BASE FOR FUEL TANK SUPPORT SLAB AND CONCRETE FUELING PAD.
 - INSTALL FUEL TANK SUPPORT SLAB AND 10,000 GALLON FUEL TANK.
 - INSTALL BUILDING ENTRANCE FOR ELECTRIC AND COMMUNICATIONS CONDUITS AT CIVIL PREPAREDNESS BUILDING. INSTALL NEW ELECTRIC SERVICE SUB-PANEL INSIDE BUILDING AND MAKE CONNECTION TO TOWN NETWORK PATCH PANEL INSIDE BUILDING. INSTALL ADDITIONAL WIRING AND CONDUITS AS REQUIRED TO EXTEND ELECTRICAL AND COMMUNICATIONS SERVICES TO THE PROPOSED FUEL PUMP AND FUEL MANAGEMENT SYSTEM.
 - INSTALL FUEL PUMP, FUEL MANAGEMENT SYSTEM AND ASSOCIATED COMPONENTS, WIRING, CONDUITS, ETC.
 - INSTALL BOLLARDS AND CONCRETE FUELING PAD.
 - REPAIR BITUMINOUS PAVEMENT AND INSTALL NEW FUELING ISLAND PAVEMENT, INSTALL CURBING.
 - INSTALL FUELING ISLAND CANOPY. INSTALL ALL REQUIRED SIGNAGE.

PROJECT SPECIFIC SEDIMENTATION AND EROSION CONTROL PLAN
 CONSTRUCTION ACTIVITIES OF CONCERN RELATIVE TO THE PROTECTION OF ADJACENT WETLANDS AND WATERCOURSES FROM SEDIMENTATION ARE AS FOLLOWS:

- DEWATERING: OPEN TRENCH EXCAVATIONS WILL NEED TO BE DEWATERED AS NECESSARY FOR PROPER INSTALLATION OF THE PROPOSED PIPES. IN THESE AREAS, ALL WATER REMOVED FROM THE TRENCH SHALL BE ADEQUATELY TREATED PRIOR TO DISCHARGE USING MEASURES DESCRIBED IN SECTION 5-13 OF THE 2002 CT GUIDELINES FOR EROSION AND SEDIMENT CONTROL. THIS MAY INCLUDE A STONE SUMP AND STANDPIPE FOR PUMP INTAKE PROTECTION, AND A DIRT BAG OR PUMPING SETTLING BASIN FOR TREATMENT OF THE PUMPED WATER PRIOR TO DISCHARGE.
- STOCKPILES: EXCAVATED MATERIAL SHALL NOT BE STOCKPILED ADJACENT TO STORM DRAIN INLETS, WETLANDS, OR WATERCOURSES. WHEN IT IS NECESSARY BASED ON THE PROPOSED METHODS OF CONSTRUCTION TO STAGE EXCAVATED MATERIAL FOR SHORT DURATIONS IN THE VICINITY OF STORM DRAIN INLETS, THESE INLETS SHALL BE PROPERLY PROTECTED AS DESCRIBED ON THE PLANS. LONGER DURATION STOCKPILING OF MATERIAL, WHEN NECESSARY, SHALL BE ONLY IN LOCATIONS APPROVED IN ADVANCE BY THE ENGINEER, AND SUCH STOCKPILES SHALL BE RINGED WITH A SEDIMENTATION CONTROL SYSTEM.
- DISTURBED AREAS: LIMITS OF DISTURBANCE SHALL BE IN STRICT ACCORDANCE WITH THE APPROVED PLAN. ALL AREAS DISTURBED BY CONSTRUCTION SHALL BE STABILIZED WITH THE FINAL SURFACE TREATMENT AS SOON AS POSSIBLE AFTER CONSTRUCTION ACTIVITIES ARE COMPLETED. DISTURBED AREAS WITH STEEP OR LONG SLOPES AND OTHER AREAS WITH SIGNIFICANT POTENTIAL FOR CAUSING SEDIMENTATION SHALL BE PROTECTED WITH TEMPORARY STRAW MULCH, WOOD CHIPS, EROSION CONTROL MATTING, OR OTHER SUITABLE MATERIALS PRIOR TO SIGNIFICANT FORECASTED RAIN STORM EVENTS TO REDUCE EROSION POTENTIAL.
- SEVERE WEATHER CONTINGENCY PLAN: IN ADVANCE OF A SEVERE WEATHER EVENT, ALL EROSION CONTROLS DESCRIBED ABOVE AND ELSEWHERE ON THE PLANS SHALL BE INSPECTED AND ADJUSTED AS NECESSARY.

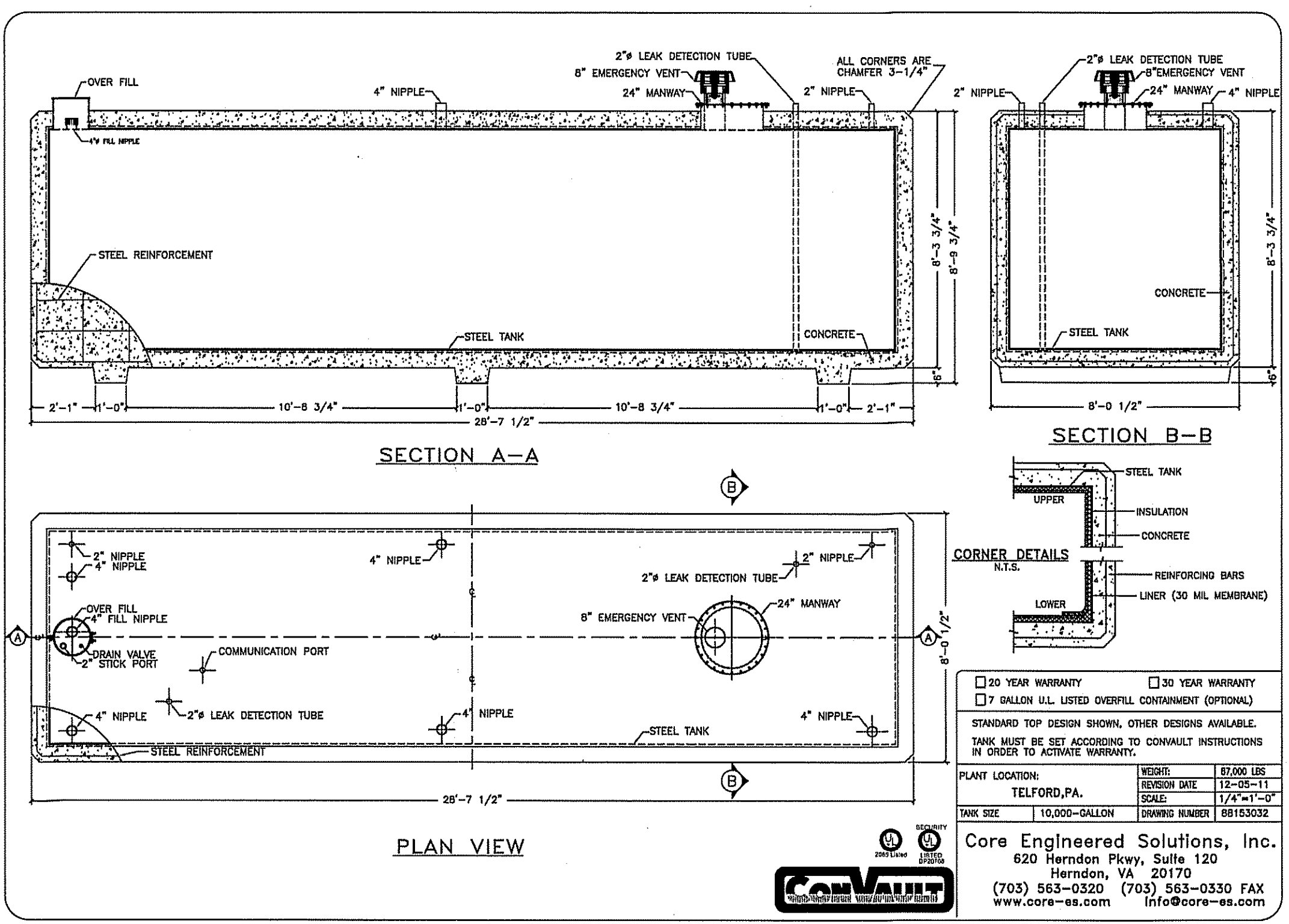
RESPONSIBLE PARTIES:
 THE DEPARTMENT OF PHYSICAL SERVICES SHALL PROVIDE A REPRESENTATIVE WHO IS RESPONSIBLE FOR IMPLEMENTING THE EROSION AND SEDIMENTATION CONTROL PLAN. THIS INCLUDES THE INSTALLATION AND MAINTENANCE OF ALL CONTROL MEASURES, INFORMING ALL PARTIES ENGAGED ON THE CONSTRUCTION SITE OF THE REQUIREMENTS AND OBJECTIVES OF THE PLAN.

GENERAL SEDIMENTATION AND EROSION CONTROL REQUIREMENTS:
 THESE GUIDELINES SHALL APPLY TO ALL WORK CONSISTING OF ANY AND ALL TEMPORARY AND/OR PERMANENT MEASURES TO CONTROL WATER POLLUTION AND SOIL EROSION AS MAY BE REQUIRED, DURING THE CONSTRUCTION OF THE PROJECT.

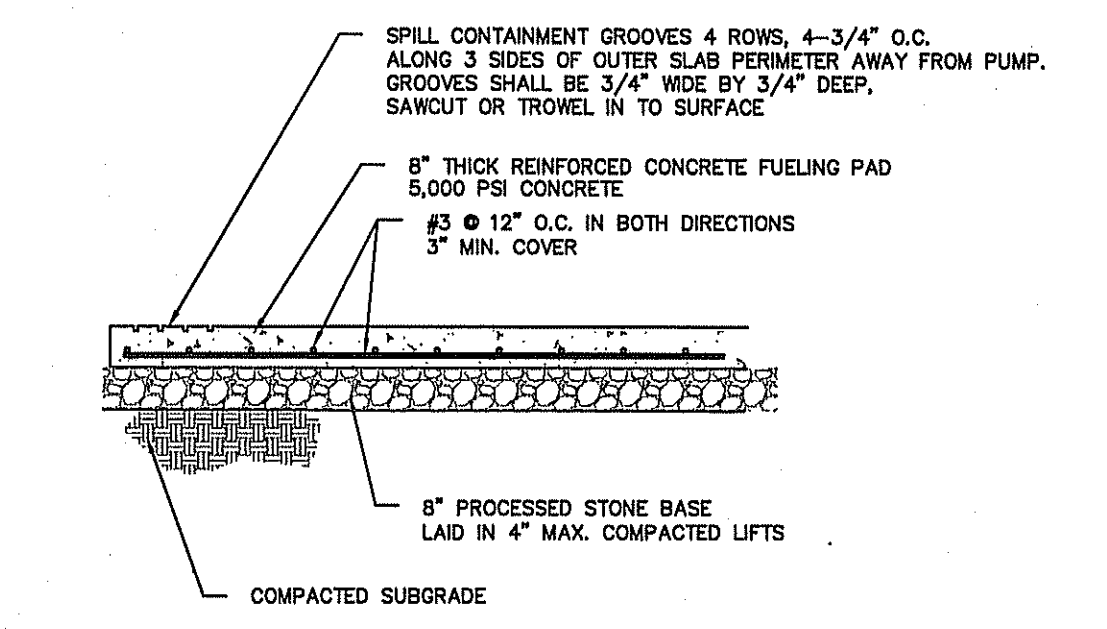
IN GENERAL, ALL ACTIVITIES SHALL PROCEED IN SUCH A MANNER SO AS NOT TO POLLUTE ANY WETLANDS, WATERCOURSE, WATERBODY, AND CONDUIT CARRYING WATER, ETC. THE DEPARTMENT OF PHYSICAL SERVICES SHALL LIMIT, INsofar AS POSSIBLE, THE SURFACE AREA OF EARTH MATERIALS EXPOSED BY CONSTRUCTION METHODS, AND IMMEDIATELY PROVIDE PERMANENT AND TEMPORARY POLLUTION CONTROL MEASURES TO PREVENT CONTAMINATION OF ADJACENT WETLANDS, WATERCOURSES AND WATERBODIES, AND TO PREVENT, INsofar AS POSSIBLE, EROSION ON THE SITE.

CONSTRUCTION METHODS, IN GENERAL, SHALL BE IN ACCORDANCE WITH THE PROVISIONS SET FORTH IN THE "GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL" (2002) BY THE STATE OF CONNECTICUT COUNCIL ON SOIL AND WATER CONSERVATION.

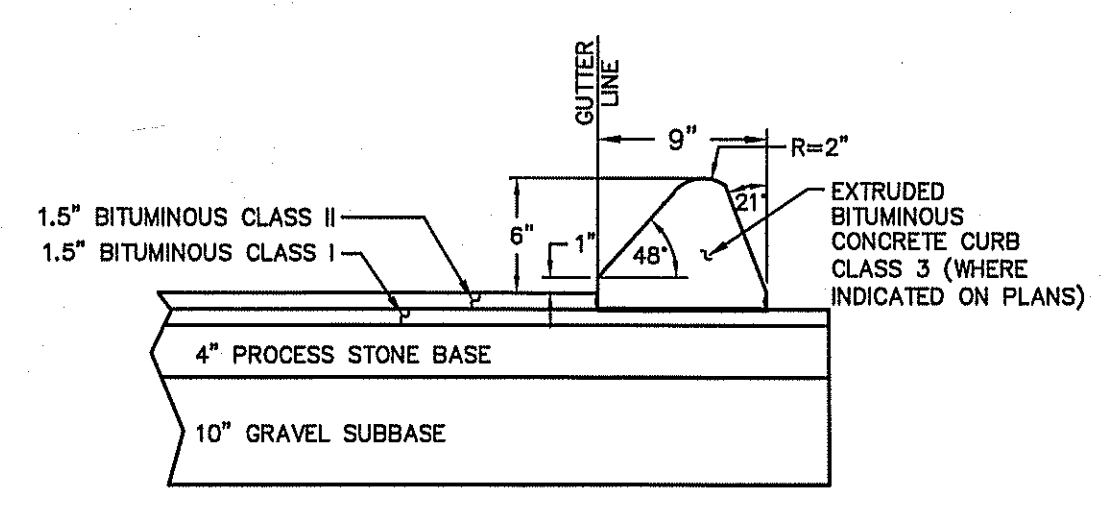
- ALL CONTROL MEASURES SHALL BE INSTALLED AS NOTED ABOVE AND AS SHOWN ON THE PLANS.
- ALL CONTROL MEASURES SHALL BE INSPECTED AND APPROVED BY THE ENGINEER PRIOR TO COMMENCEMENT OF ANY WORK, INCLUDING PRE-CONSTRUCTION CLEARING AND GRUBBING.
- ALL CONTROL MEASURES SHALL BE MAINTAINED AND UPGRADED AS REQUIRED TO ACHIEVE PROPER SEDIMENT CONTROL THROUGHOUT THE CONSTRUCTION PERIOD AND UNTIL DISTURBED AREAS HAVE BEEN THOROUGHLY STABILIZED.
- NO CONTROL MEASURES SHALL BE REMOVED WITHOUT APPROVAL FROM THE ENGINEER.
- ADDITIONAL CONTROL MEASURES SHALL BE INSTALLED DURING THE CONSTRUCTION PERIOD IF DEEMED NECESSARY BY THE ENGINEER.
- THE LIMITS OF CLEARING, GRADING AND DISTURBANCE, AS SHOWN ON THE PLAN(S), SHALL BE KEPT TO A MINIMUM WITHIN THE APPROVED AREA OF CONSTRUCTION. ALL AREAS OUTSIDE THE LIMITS OF CLEARING SHALL REMAIN TOTALLY UNDISTURBED.
- ANY CONTROL MEASURES RETAINING SEDIMENT OVER 1/2 THEIR HEIGHT SHALL HAVE THE SEDIMENT IMMEDIATELY REMOVED, AND ALL DAMAGED CONTROL MEASURES SHALL BE REMOVED AND REPLACED.
- ALL NEW AND EXISTING CATCH BASINS LOCATED WITHIN THE PROJECT LIMITS SHALL BE PROTECTED WITH A SEDIMENTATION CONTROL SYSTEM IN GRASSED AREAS OR WITH A SEDIMENTATION CONTROL SACK IN PAVED AREAS UNTIL ALL DISTURBED AREAS HAVE BEEN THOROUGHLY STABILIZED.
- SEDIMENT REMOVED FROM CONTROL MEASURES AND DRAINAGE FACILITIES SHALL BE DISPOSED OF IN A MANNER THAT IS CONSISTENT WITH STATE AND LOCAL REGULATIONS.
- THE PLANTING SEASONS FOR THE SPECIFIED SEED MIXTURE SHALL BE AS DEFINED IN THE 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL, UNLESS DIRECTED OTHERWISE BY THE TOWN ENVIRONMENTAL PLANNER. OUTSIDE OF THESE SPECIFIED DATES, AREAS WILL BE STABILIZED WITH HAYBALE CHECK DAMS, FILTER FABRIC, OR WOODCHIP MULCH AS REQUIRED TO CONTROL EROSION.



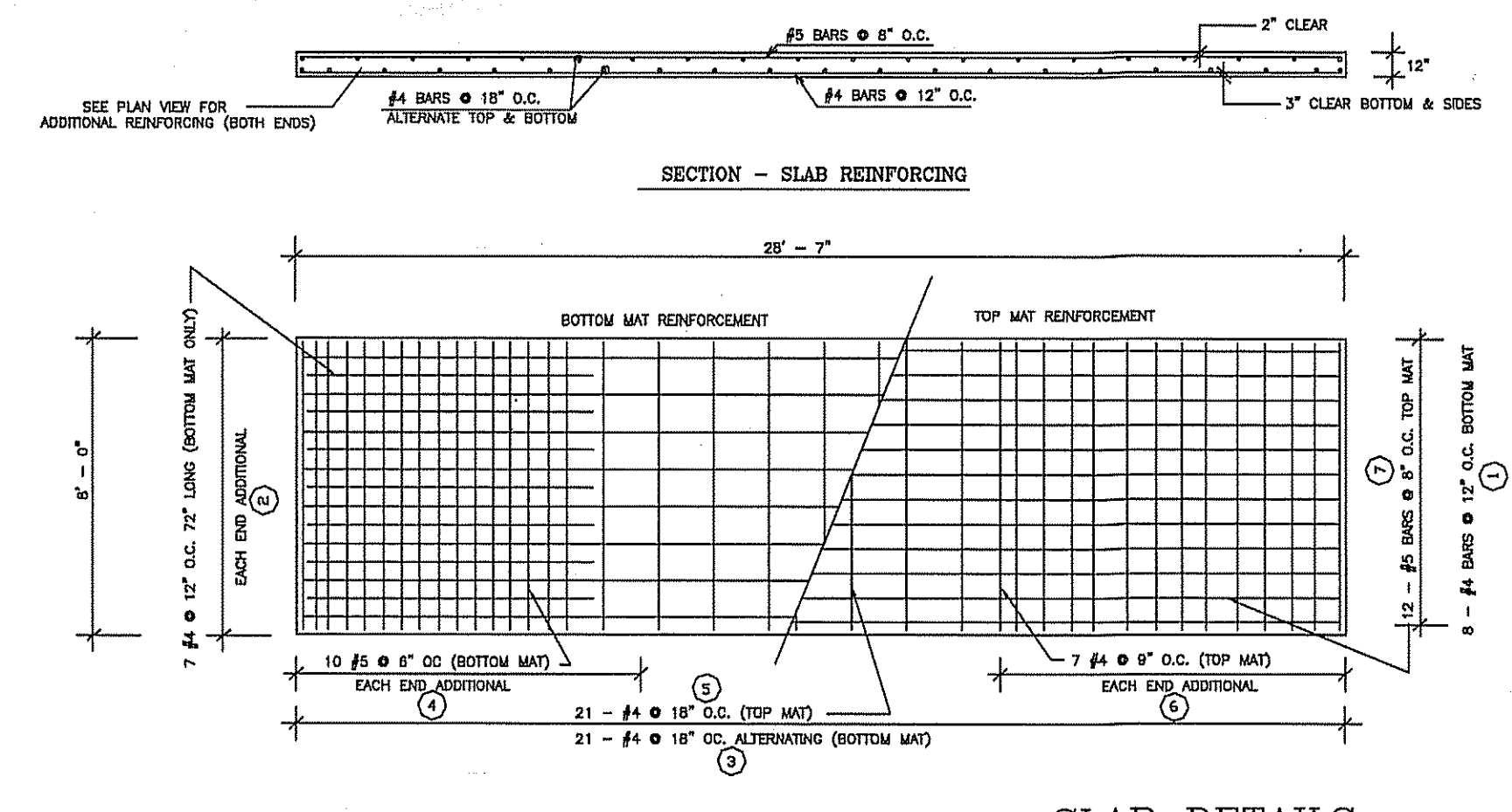
**CONVAULT 10,000 GALLON AST
 TYPICAL DETAIL
 NOT TO SCALE**



**CONCRETE FUELING PAD
 NOT TO SCALE**

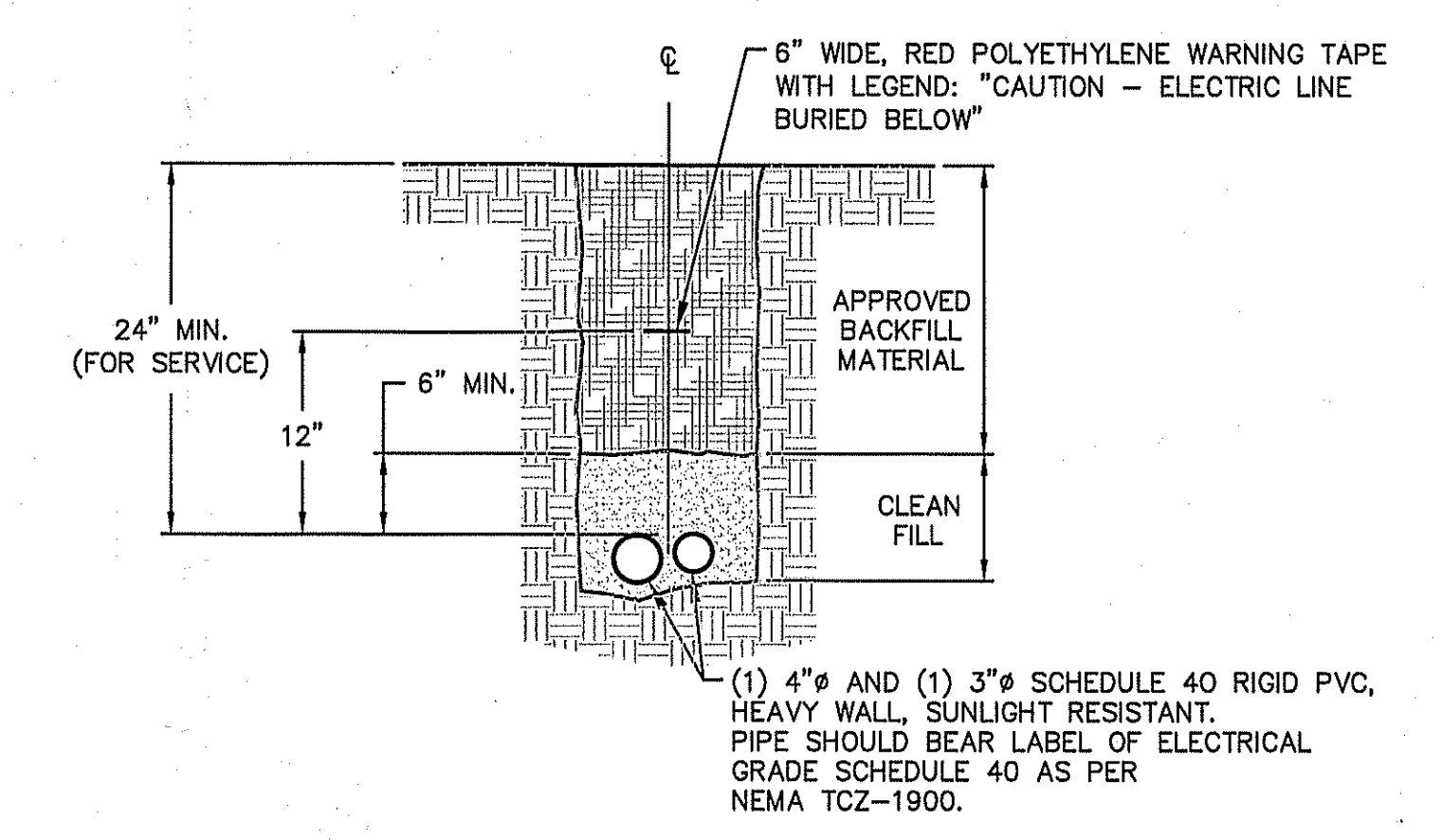


**BITUMINOUS DRIVEWAY PAVEMENT
 TYPICAL SECTION**



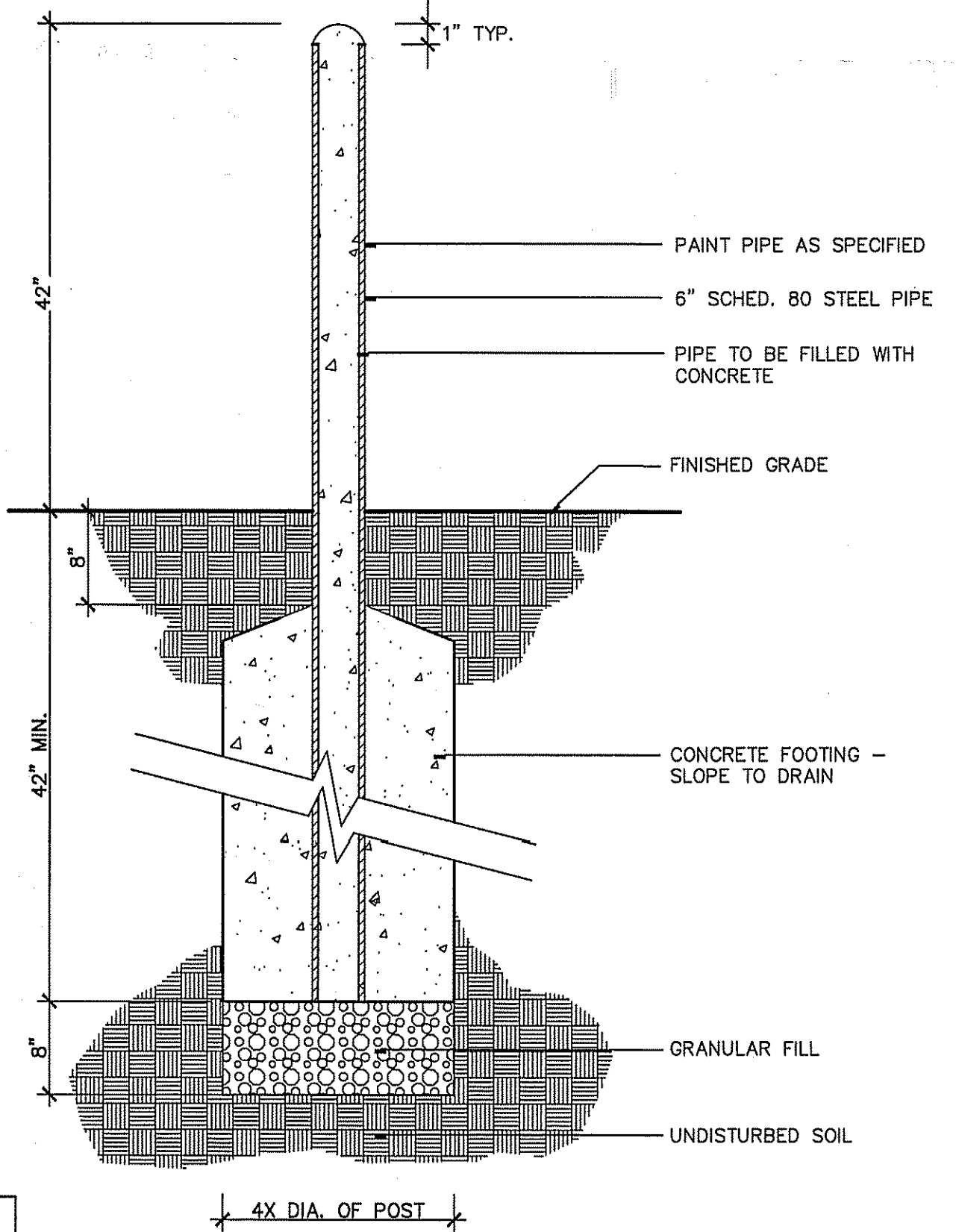
**SLAB DETAILS
 FOR
 CONVAULT
 10,000 GALLON TANK
 UNITED CONCRETE PRODUCTS, INC.
 173 CHURCH STREET
 YALESVILLE, CT
 (203) 269-3119
 (203) 265-4941 FAX**

NOTES:
 CONCRETE COMPRESSIVE STRENGTH: 5,000 psi @ 28 DAYS
 REINFORCING STEEL SHALL COMPLY WITH ASTM A615 GRADE 60 OR ASTM A615 GRADE 65. BAR BENDING AND PLACEMENT SHALL COMPLY WITH LATEST ACI STANDARDS.
 EMBEDDED INSULATORS FOR MANHOLES SHALL BE INSTALLED PER MANUFACTURER'S REQUIREMENTS.
 APPROXIMATE SLAB WEIGHT: 34,500 LBS.
 MIN. SOIL BEARING CAP. = 3000 psf.
 ORDER IN WHICH REBAR SHOULD BE PLACED



- NOTES:**
- UNDERGROUND ELECTRIC SERVICE CONSTRUCTION SHALL BE COMPLETED IN CONFORMANCE WITH THE MANUAL ENTITLED "INFORMATION AND REQUIREMENTS FOR ELECTRIC SUPPLY BELOW 600 VOLTS, 2010 EDITION", PUBLISHED BY NORTHEAST UTILITIES.
 - CONDUIT SWEEPS AT UTILITY POLE SHALL BE GALVANIZED WITH MINIMUM 24" DIAMETER RADIUS.
 - HORIZONTAL BENDS ALONG ELECTRICAL SERVICE CONDUIT SHALL HAVE MIN. 48" RADIUS.
 - INSTALL 1/4" DIAMETER NYLON PULL LINE IN EACH DUCT INCLUDING 10' OF SLACK AND SECURE TO CONDUIT PLUGS AT EACH END.

**ELECTRIC SERVICE CONDUIT
 TRENCH DETAIL
 N.T.S.**



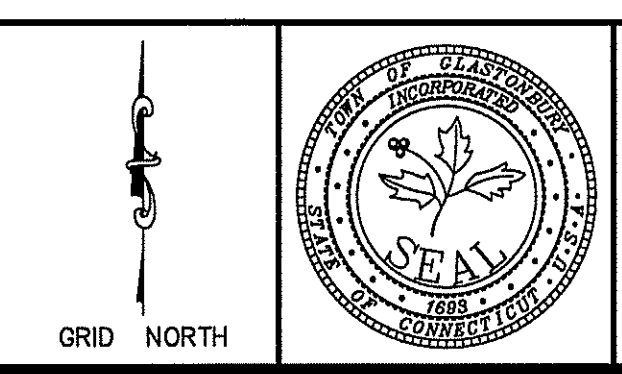
**STEEL PIPE BOLLARD
 TYPICAL SECTION**

Certified to be substantially correct
 DANIEL A. PENNINGTON P.E. Reg. No. 20101

TOWN OF GLASTONBURY PROJECT/APPLICANT: _____ RESERVED LAND ZONE _____
 2108 MAIN STREET PROJECT ADDRESS _____
 SECTION 12.9 MINOR CHANGE SPECIAL PERMIT SECTION TPZ CHAIRPERSON _____
 DATE SPECIAL PERMIT APP'D DIRECTOR OF COMMUNITY DEVELOPMENT _____
 FILE NO. _____

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NOTES AND DETAILS
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 GLASTONBURY, CONNECTICUT