

PROPOSED IMPROVEMENTS FOR
VETERANS MEMORIAL FIELD
 NEW LONDON, CONNECTICUT

CITY OF NEW LONDON SUBMISSIONS:

ISSUED FOR BIDDING
 DECEMBER 23, 2016

DRAWING SET DOCUMENTS

Drawing Legend	
	Drawing
N	Project Notes
V-01	Site Survey
E-1.0	Soil Management Plan
E-2.0	Land Use Restriction Plan
L-1.0	Site Demolition Plan
L-2.0	Site Improvements Plan
L-2.1	Site Improvements Enlargements
L-3.0	Site Layout Plan
L-3.1	Expansion and Control Joint Plan
L-4.0	Baseball Field Layout Plan
L-5.0	Multi-use Field Layout Plan - Soccer
L-6.0	Site Grading Plan
L-7.0	Site Details
L-7.1	Site Details
L-7.2	Site Details
L-7.3	Site Details
L-7.4	Site Details
L-7.5	Site Details
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L-7.7	Site Details
L-8.0	Parking Lot Alternate
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L-8.2	Parking Lot Alternate Site Details

PREPARED FOR:



THE CITY OF NEW LONDON

181 STATE STREET
 NEW LONDON, CT 06320

PREPARED BY:



Provided Site Survey Mapping Services

HRP Associates, Inc.
 Environmental/Civil Engineering & Hydrology
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 Farmington, Connecticut 06032
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Provided Environmental Engineering Services



GENERAL NOTES:

1. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS IN THE FIELD AND REPORT ANY DISCREPANCIES TO THE OWNERS REP.
2. ALL UNDERGROUND UTILITIES SHALL BE LOCATED & MARKED BY CT CALL BEFORE YOU DIG PRIOR TO COMMENCEMENT OF ANY SITE WORK. MARKINGS SHALL BE PROTECTED THROUGHOUT CONSTRUCTION. IF ANY MARKING IS ELIMINATED DUE TO CONSTRUCTION ACTIVITIES IT IS THE CONTRACTORS RESPONSIBILITY TO HAVE CT CALL BEFORE YOU DIG RE-ESTABLISH THE UTILITY MARKING.
3. CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES IN ACCORDANCE WITH "CALL BEFORE YOU DIG" NOTIFICATION PROCEDURES AT 1-800-922-4455 PRIOR TO COMMENCING ANY EXCAVATION WORK.
4. CONTRACTOR IS RESPONSIBLE FOR ENGAGING THE PROPER UTILITY COMPANIES FOR RELOCATION AND/OR REMOVAL OF EQUIPMENT. NOT LIMITED TO UTILITY POLES, GUY WIRES, AND OVERHEAD WIRES.
5. CONTRACTOR SHALL USE CAREFUL CONSTRUCTION PRACTICES TO MINIMIZE DISTURBANCE. CONTRACTOR SHALL COMPLY WITH ALL GOVERNING CODES.
6. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING CLOSE COORDINATION WITH, OWNER, GENERAL CONTRACTOR, RELATED SUBCONTRACTORS AND LANDSCAPE ARCHITECT ON ALL SITE WORK RELATED ITEMS.
7. MEASUREMENTS ARE FROM FACE OF WALL UNLESS OTHERWISE NOTED. DIMENSIONS RELATING TO BUILDING ARE FROM FACE OF FOUNDATION WALL.
8. MATERIAL SAMPLES AND SOURCES SHALL BE PROVIDED TO OWNERS REPRESENTATIVE AND APPROVED PRIOR TO PURCHASE.
9. NOTIFY OWNERS REP AT LEAST 24 HOURS PRIOR TO ANY ACTIVITY REQUIRING FIELD OBSERVATION.
10. EROSION AND SEDIMENTATION CONTROLS ARE REQUIRED AS PART OF THIS PROJECT. SEE DEMOLITION PLAN FOR E&S CONTROL MEASURES.
11. EROSION AND SEDIMENTATION CONTROLS MUST REMAIN IN PLACE FOR THE ENTIRE DURATION OF THE PROJECT UNTIL EXPOSED SOILS HAVE BEEN STABILIZED AND APPROVED BY THE OWNER'S REPRESENTATIVE.

DEMOLITION

1. CONTRACTOR SHALL USE CAREFUL CONSTRUCTION PRACTICES TO MINIMIZE DISTURBANCE OF ALL ITEMS TO REMAIN.
2. SITE CLEANUP AND DISPOSAL OF ALL DEBRIS AND UNSUITABLES GENERATED BY DEMOLITION ACTIVITIES ARE THE RESPONSIBILITY OF THE CONTRACTOR. ALL DEMOLITION DEBRIS SHALL BE DISPOSED OF OFF-SITE PER LOCAL AND STATE REGULATIONS.
3. STOCKPILE ALL REMOVED SIGNAGE PER PUBLIC WORKS DIRECTION.
4. CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE TO SURROUNDING PROPERTY AS A RESULT OF CONSTRUCTION ACTIVITIES.
5. EXISTING CATCH BASIN TOPS ARE TO BE DEMOLISHED AS NOTED ON DEMOLITION PLAN. STRUCTURES TO BE ABANDONED IN PLACE. SEE SPEC FOR ABANDONMENT DETAILS.

EROSION AND SEDIMENT CONTROL

1. EROSION CONTROL MATTING IS REQUIRED ON ALL SEEDED SLOPES GREATER THAN 1:6. SEE SPECIFICATIONS.
2. ALL EXISTING CATCH BASINS TO REMAIN MUST HAVE FILTER BAGS INSTALLED PRIOR TO THE START OF CONSTRUCTION.
3. HAYBALES MUST BE USED IN ALL AREAS WHERE SILT FENCE IS NOT FEASIBLE OR CANNOT BE INSTALLED DUE TO SUBSURFACE OBSTRUCTIONS.
4. ALL SOIL STOCKPILES MUST HAVE E&S CONTROLS INSTALLED ENTIRELY AROUND THE STOCKPILE TO PREVENT SEDIMENT FROM ESCAPING DURING RAIN EVENTS.
5. EROSION AND SEDIMENTATION CONTROLS MUST REMAIN IN PLACE FOR THE ENTIRE DURATION OF THE PROJECT UNTIL EXPOSED SOILS HAVE BEEN STABILIZED AND APPROVED BY THE OWNER'S REPRESENTATIVE.

LAYOUT

1. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND LAYOUT DIMENSIONS IN THE FIELD. REPORT ANY DISCREPANCIES OF THE DESIGN TO THE OWNERS REP PRIOR TO COMMENCING CONSTRUCTION.
2. STAKE OR OTHERWISE FLAG ALL DESIGN ELEMENTS AND FEATURES IN THE FIELD. OBTAIN OWNERS REP APPROVAL PRIOR TO COMMENCING CONSTRUCTION.
3. ALL DIMENSIONS ARE FROM THE FACE OF WALL OR CURB UNLESS OTHERWISE NOTED. DIMENSIONS

RELATING TO BUILDING ARE FROM FACE OF FOUNDATION WALL.

4. ALL ANGLES ARE ASSUMED TO BE 90 DEGREES UNLESS OTHERWISE STATED.
5. ANY CHANGES TO PROPOSED DIMENSIONS SHOWN ON THIS DRAWING SHALL BE APPROVED BY THE OWNERS REP PRIOR TO COMMENCING CONSTRUCTION.
6. JUNCTIONS BETWEEN EXISTING AND PROPOSED WALKS MUST HAVE FLUSH TRANSITIONS AND MUST BE DOWELED (IF APPLICABLE) TO PREVENT SETTLING.
7. SEE SITE MATERIALS PLAN FOR AREAS NOT IN CONTRACT. DIMENSIONS HAVE BEEN PROVIDED FOR SOME OF THESE AREAS FOR COORDINATION PURPOSES ONLY.

GRADING NOTES:

1. CONTRACTOR SHALL VERIFY ALL EXISTING GRADES IN THE FIELD AND REPORT ANY DISCREPANCIES IMMEDIATELY TO OWNER'S REPRESENTATIVE PRIOR TO COMMENCING WORK. THE STARTING OF WORK INDICATES THE CONTRACTOR HAS REVIEWED AND ACCEPTED EXISTING CONDITIONS.
2. CONTRACTOR SHALL NOTIFY OWNERS REP OF ANY CONFLICTS BETWEEN UTILITY PLANS, LANDSCAPE PLANS AND GRADING PLANS.
3. CONTRACTOR SHALL BLEND NEW FINISH GRADES SMOOTHLY INTO EXISTING GRADES, PROVIDING VERTICAL CURVES OR ROUNDED TRANSITIONS AT THE TOP AND BOTTOM OF SLOPES.
4. PITCH EVENLY BETWEEN SPOT GRADES. ALL PAVED AREAS MUST PITCH TO DRAIN AT A MINIMUM SLOPE OF ONE-EIGHTH INCH (1/8") PER FOOT (1%). ANY SITE CONDITIONS OR CONFLICTS PREVENTING THIS OCCURRENCE SHALL BE REPORTED TO OWNER'S REPRESENTATIVE PRIOR TO CONTINUING THE WORK. NEW PAVEMENT AREAS MUST HAVE POSITIVE DRAINAGE TOWARDS THE STREET CURB OR TOWARDS DRAINAGE STRUCTURES.
5. FINAL GRADES ADJACENT TO BUILDINGS SHALL HAVE 1/4" / FT MIN. SLOPE AWAY FROM BUILDING.
6. FINAL GRADING OF ALL EARTHWORK SHALL BE AS DIRECTED AND APPROVED IN THE FIELD BY OWNERS REP.
7. CONTRACTOR SHALL PROVIDE DUST CONTROL FOR EARTHWORK OPERATIONS AS APPROVED BY OWNER'S REPRESENTATIVE.
8. RIM ELEVATIONS OF ALL DRAINAGE STRUCTURES AND OTHER UTILITY STRUCTURES SHALL BE SET FLUSH WITH FINAL SURROUNDING GRADES SO AS NOT TO CAUSE A TRIP HAZARD.
9. THE CONTRACTOR SHALL MAINTAIN OR ADJUST TO NEW FINISHED GRADES AS NECESSARY ALL UTILITY AND SITE STRUCTURES SUCH AS LIGHT POLES, SIGN POLES, MANHOLES, DRAINAGE STRUCTURES, HAND HOLES, WATER AND GAS GATES, HYDRANTS, ETC., FROM MAINTAINED UTILITY AND SITE SYSTEMS UNLESS OTHERWISE NOTED ON THE UTILITY DRAWINGS OR AS DIRECTED BY THE OWNER'S REPRESENTATIVE.
10. CONTRACTOR SHALL HYDROSEED ALL AREAS DISTURBED BY THIS CONTRACT FOR WHICH NO OTHER SURFACE RESTORATION IS INDICATED BY THE CONTRACT DOCUMENTS.
11. MAXIMUM SLOPE FOR WALKWAYS WITHOUT HANDRAILS IS NOT TO EXCEED 4.9%. MAXIMUM SLOPES FOR RAMPS IS NOT TO EXCEED 1:12 SLOPE OR 8.33%.
12. CURBING SHALL HAVE A 6" REVEAL UNLESS NOTED OTHERWISE.

SPORTS FIELDS

1. ALL FIELDS ARE TO BE LAID OUT ACCORDING TO NCAA RULE BOOK STANDARDS FOR SOCCER AND BASEBALL.
2. MAXIMUM SLOP ON PLAY SURFACE SHALL NOT EXCEED 1.5%.
3. SEE 'BASEBALL LAYOUT PLAN' AND 'MULTI-USE FIELD LAYOUT PLAN' FOR SPECIFIC LAYOUT INSTRUCTIONS.
4. CONTRACTOR SHALL PROVIDE AND INSTALL GRADE STAKES AT ALL KEY FIELD AREAS PRIOR TO FORMATION OF SUBGRADE. GRADE STAKES SHALL REMAIN IN PLACE THROUGH FINAL GRADING.

ELECTRICAL NOTES

1. ALL WORK SHALL BE DESIGNED AND INSTALLED BY A LICENSED ELECTRICIAN HIRED BY THE CONTRACTOR, DESIGNED AND INSTALLED IN COMPLIANCE WITH THE NATIONAL ELECTRIC CODE, CONNECTICUT STANDARDS AND SPECIFICATIONS, AND WHERE APPLICABLE, UTILITY COMPANY REQUIREMENTS.
2. CONDUITS ARE SHOWN SCHEMATICALLY. LAYOUT OF CONDUIT IN MOST EFFICIENT MANNER AVOIDING FOOTINGS AND TREE PLANTING LOCATIONS. COMBINE

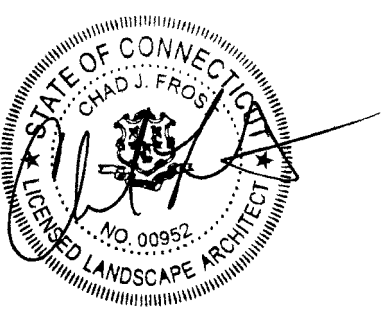
ELECTRICAL AND SPARE CONDUITS IN THE SAME TRENCHES AND PROVIDE APPROPRIATE UNDERGROUND WARNING TAPE.

3. CAP AND SEAL ALL UNUSED CONDUITS.
4. COORDINATE ROUTING OF UNDERGROUND CONDUITS FOR CABINET POWER FEED AND ALL CIRCUITS WITH EXISTING STRUCTURES, PROPOSED STRUCTURES AND LANDSCAPING.
5. INSTALL DUCT SEAL IN ALL CONDUIT TERMINATIONS
6. THE LIGHTING SYSTEM WILL BE OWNED AND MAINTAINED BY THE CITY OF NEW LONDON. PAYMENT OF ALL MONTHLY ENERGY COSTS WILL BE THE RESPONSIBILITY OF THE CITY OF NEW LONDON.
7. THE ELECTRICAL CONTRACTOR SHALL OBTAIN AND PAY FOR BOTH ROUGH AND FINAL INSPECTIONS AND OBTAIN A CERTIFICATE OF ELECTRICAL INSPECTION. THIS CERTIFICATE SHALL BE SUBMITTED WITH REQUEST FOR FINAL PAYMENT.
8. ALL ELECTRICAL EQUIPMENT SHALL BE SEISMICALLY SUPPORTED AS REQUIRED BY THE CONNECTICUT BUILDING CODE.
9. ALL WIRING INSTALLED UNDER THIS CONTRACT SHALL BE TESTED FOR PROPER CONNECTIONS AND SHORT CIRCUITS PRIOR TO THE TURNING OVER OF WORK AS A COMPLETE UNIT.
10. THE ELECTRICAL CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND WORKMANSHIP FOR A PERIOD OF ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE.
11. ALL NECESSARY MOUNTING HARDWARE, HANGERS, BRACKETS, RAILS, YOKES, STEMS, CHAINS, ETC SHALL BE FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR.

PLANTING

1. PLANTING BEDS AND SEEDED LAWN AREAS SHALL RECEIVE TEMPORARY IRRIGATION UNTIL ACCEPTED BY OWNERS REP.
2. NOTIFY OWNERS REP AT LEAST 24 HOURS PRIOR TO ANY ACTIVITY REQUIRING FIELD OBSERVATION.
3. PLANT LOCATIONS ARE TO BE STAKED BY CONTRACTOR AND APPROVED BY THE OWNERS REP. INDIVIDUAL STAKES SHALL BE PLACED FOR TREES AND SHRUBS. EDGE OF PLANTING BEDS SHALL BE PAINTED. NOTIFY OWNERS REP 24 HOURS PRIOR TO DESIRED APPROVAL.
4. PLANTS SHALL COMPLY WITH SIZING AND GRADING STANDARDS OF THE LATEST EDITION OF "AMERICAN STANDARDS FOR NURSERY STOCK". PROVIDE STOCK TRUE TO BOTANICAL NAME AND LEGIBLY TAGGED. PLANTS SHALL BE FREE OF DEFECTS, DISEASES AND ALL FORMS OF INSECT INFESTATIONS.
5. ALL PLANTS SHALL BE PLANTED TO SAME DEPTH AS AT PLACE OF GROWTH, EXCEPT WHERE NOTED OTHERWISE.
6. ALL PLANTING BEDS SHALL RECEIVE 7" OF SPECIFIED SOIL MIXTURE: 6" SCREENED LOAM, 1" OF COMPOST, BLEND COMPOST INTO TOP 4" OF SOIL. PLANTING SOIL MIXTURE SHALL BE FREE OF SUBSOIL, LUMPS, STONES, PLANTS, ROOTS, AND OTHER FOREIGN MATTER.
7. ALL LAWN AREAS SHALL RECEIVE A MIN. OF 4" OF SCREENED LOAM.
8. ALL PLANTING BEDS SHALL BE MULCHED WITH FINELY SHREDDED, DARK HEMLOCK BARK MULCH. TREES AND SHRUBS SHALL RECEIVE 2 INCHES, PERENNIAL AND GROUNDCOVER BEDS SHALL RECEIVE 2 INCHES. PROVIDE OWNERS REP WITH SAMPLE FOR APPROVAL.
9. NO SUBSTITUTIONS OF PLANT SPECIES OR CULTIVARS ALLOWED BY CONTRACTOR UNLESS AUTHORIZED BY OWNERS REP. CONTRACTOR SHALL NOTIFY OWNER'S REPRESENTATIVE OF AVAILABILITY ISSUES PRIOR TO FINALIZATION OF PLANT ORDER(S).
10. BURLAP, TWINE, AND WIRE SHALL BE COMPLETELY REMOVED OR CUT AWAY FROM TOP 1/3 OF ROOT BALL AT TIME OF INSTALLATION (SEE SPECIFICATION) .
11. SEE SPECIFICATIONS FOR PLANT WARRANTY.
12. IF NO IRRIGATION SYSTEM IS PLANNED, CONTRACTOR SHALL INFORM OWNER OF WATERING REQUIREMENTS.
13. ALL DISTURBED AREAS NOT DESIGNATED FOR OTHER IMPROVEMENTS SHALL BE HYDROSEEDDED AS LAWN. HYDROSEED GRASS MIX SHALL BE DETERMINED BASED ON SEASON OF INSTALLATION.
14. ALL GRASS, OTHER VEGETATION AND DEBRIS SHALL BE REMOVED FROM ALL PLANTING BEDS PRIOR TO PLANTING OR BACKFILLING. CONTRACTOR SHALL REMOVE ALL DEBRIS FROM SITE AS WORK PROGRESSES.

15. CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES. SEE GRADING.
16. LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING CLOSE COORDINATION WITH OWNER, GENERAL CONTRACTOR, RELATED SUBCONTRACTORS, OWNERS REP, AND ALL SITE WORK RELATED ITEMS.
17. ALL TOP SOIL STRIPPED FOR REUSE SHALL BE SENT TO AND TESTED BY AN ACCREDITED SOIL TESTING LABORATORY AND AMENDED PER THEIR REQUIREMENTS. IF SOILS ARE UNSUITABLE THEY MUST BE REMOVED FROM SITE AND DISPOSED OF OFF PROPERTY PER LOCAL, STATE, AND FEDERAL LAW.

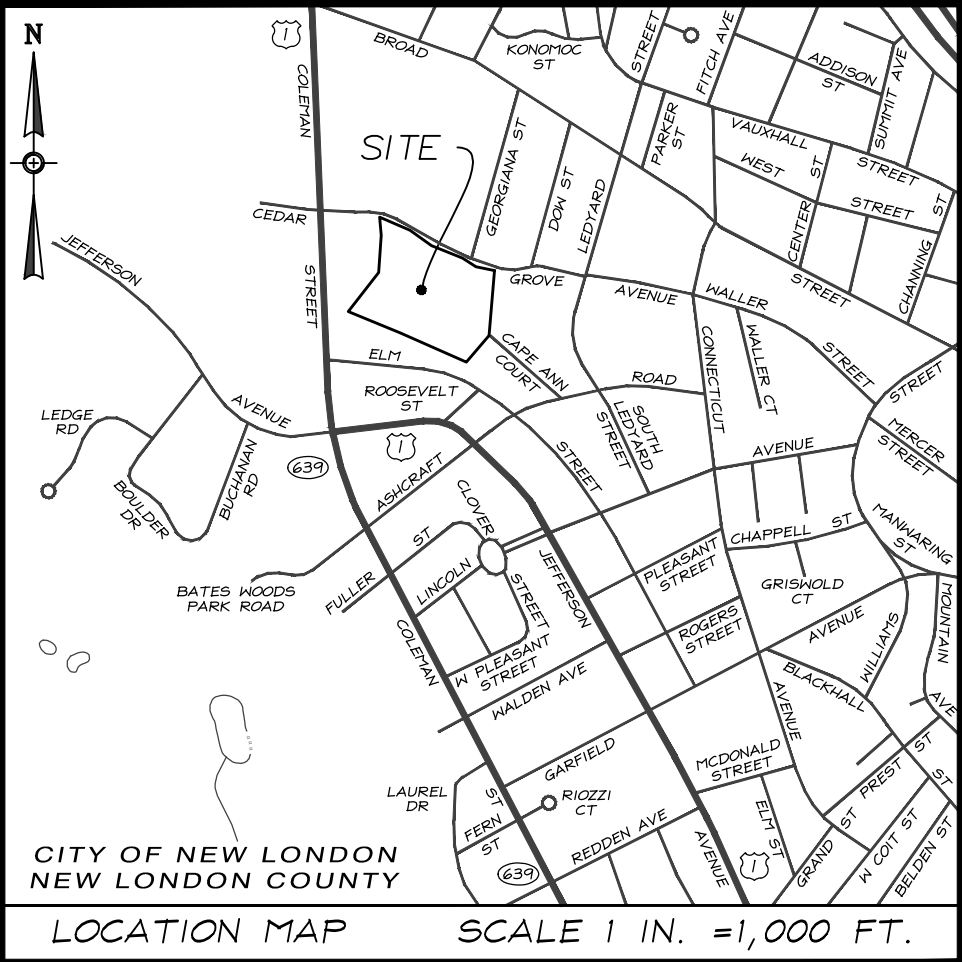


Bid Documents

Revisions	Date
1.	
2.	
3.	

PROJECT NOTES

Scale	
Date	December 23, 2016
K-F Project No.	2015016
Drawing No.	



LOCATION MAP SCALE 1 IN. = 1,000 FT.

SURVEY NOTES:

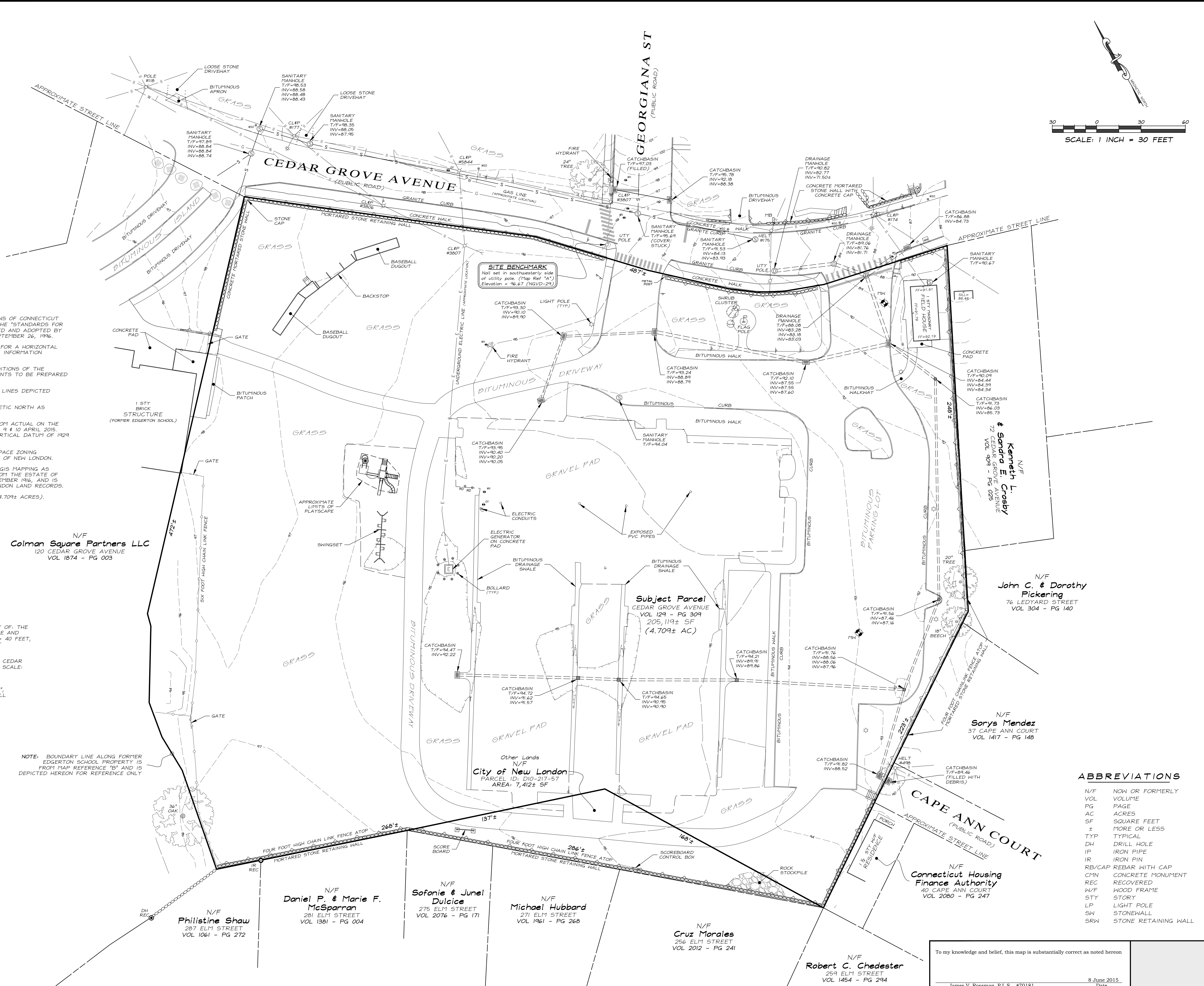
- THIS SURVEY HAS BEEN PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTIONS 20-300b-1 THROUGH 20-300b-20 AND THE "STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS PREPARED AND ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON SEPTEMBER 26, 1996.
THE SURVEY WAS PERFORMED TO THE STANDARDS OF ACCURACY FOR A HORIZONTAL CLASS A-2 IMPROVEMENT LOCATION SURVEY WITH A TOPOGRAPHIC INFORMATION ACCURACY OF CLASS T-2.
THIS SURVEY WAS PREPARED TO DEPICT THE EXISTING SITE CONDITIONS OF THE SUBJECT PROPERTY FOR THE DESIGN OF FUTURE SITE IMPROVEMENTS TO BE PREPARED BY OTHERS.
- NO BOUNDARY LINE DETERMINATION DEPICTED HEREON; PROPERTY LINES DEPICTED HEREIN ARE FOR ORIENTATION PURPOSES ONLY.
- THE NORTH ORIENTATION DEPICTED HEREON IS REFERENCED MAGNETIC NORTH AS OBSERVED IN THE FIELD ON 9 APRIL 2015.
- THE TOPOGRAPHIC INFORMATION DEPICTED HEREON IS DERIVED FROM ACTUAL ON THE GROUND LOCATION OF THE EXISTING CONDITIONS AS OBSERVED ON 9 & 10 APRIL 2015. THE TOPOGRAPHY IS REFERENCED TO THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD-29) AS REFERENCED IN MAP REFERENCE "A".
- THE SUBJECT PROPERTY LIES ENTIRELY WITHIN ZONE OS (OPEN SPACE ZONING DISTRICT) AS DEFINED BY THE ZONING REGULATIONS OF THE CITY OF NEW LONDON.
- THE SUBJECT PROPERTY IS SHOWN ON THE CITY OF NEW LONDON GIS MAPPING AS PARCEL ID: DIO-217-7. REFERENCE IS MADE TO A CONVEYANCE FROM THE ESTATE OF ELIAS F. MORGAN TO THE CITY OF NEW LONDON DATED ON 4 DECEMBER 1916, AND IS RECORDED IN VOLUME 129, AT PAGE 304 OF THE CITY OF NEW LONDON LAND RECORDS.
- TOTAL AREA OF THE SUBJECT PARCEL = 205,119± SQUARE FEET (4.709± ACRES).

MAP REFERENCES:

- "PROPERTY SURVEY AND EXISTING CONDITIONS PLAN - PROPERTY OF THE CITY OF NEW LONDON - VETERANS FIELD - CEDAR GROVE AVENUE AND CAPE ANN COURT - NEW LONDON, CONNECTICUT", SCALE: 1 INCH = 40 FEET, DATED: 22 JANUARY 2003, AS PREPARED BY: DICESARE-BENTLEY ENGINEERS, INC. - GROTON, CONNECTICUT
- "PROPERTY SURVEY - PROPERTY OF: AMBER PROPERTIES, LLC - CEDAR GROVE AVENUE AND ELM STREET - NEW LONDON, CONNECTICUT", SCALE: 1 INCH = 30 FEET, DATED: 26 MARCH 2010, AS PREPARED BY: DICESARE-BENTLEY ENGINEERS, INC. - GROTON, CONNECTICUT
- "ATHLETIC FIELD AT MORGAN PARK - NEW LONDON, CONNECTICUT", SCALE: 1 INCH = 30 FEET, DATED: 1920, AS PREPARED BY: DABOLL GRANDALL - NEW LONDON

NOTE: BOUNDARY LINE ALONG FORMER EDGERTON SCHOOL PROPERTY IS FROM MAP REFERENCE "B" AND IS DEPICTED HEREON FOR REFERENCE ONLY

PROJECT DATA	
FIELD BOOK	800K No. 27 Pg. 1-5
DWG. FILE	15-107 SWK - Rev. 05.dwg
LAYOUT TAB	Topographic Survey
SHEET No.	1 OF 1



ABBREVIATIONS

N/F	NOW OR FORMERLY
VOL	VOLUME
PG	PAGE
AC	ACRES
SF	SQUARE FEET
±	MORE OR LESS
TYP	TYPICAL
DH	DRILL HOLE
IP	IRON PIPE
IR	IRON PIN
RB/CAP	REBAR WITH CAP
CMN	CONCRETE MONUMENT
REC	RECOVERED
W/F	WOOD FRAME
STY	STORY
LP	LIGHT POLE
SW	STONEWALL
SRW	STONE RETAINING WALL

To my knowledge and belief, this map is substantially correct as noted hereon
 8 June 2015
 Date
 James V. Rossman, P.L.S. #70181
 This survey is not valid unless it contains the live signature and embossed seal contained hereon. Subsequent revisions to this plan other than by the original surveyor effectually void this certification.

1 INCH = 30 FEET
 DRAWN BY: J.A. & A.R.
 CHECKED BY: J.A. & A.R.
 DATE: 9-10 APRIL 2015
 PROJECT NO.: 2015-107
 DRAWING NO.: D-183A

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 ENGINEERS • ENVIRONMENTAL PLANNERS • SURVEYORS
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 E-mail: info@stadiainc.com

DATE	REVISIONS
27 APR 2015	PRELIMINARY RELEASE TO CLIENT FOR REVIEW
22 MAY 2015	SURFACE EDITS - ABUTTERS ADDED - FISC LABEL EDITS & ADDITIONS
4 JUN 2015	APPROXIMATE BOUNDARY ADDED - INCLUSION OF MAP REFERENCES "B" & "C"

IMPROVEMENT LOCATION SURVEY
 DEPICTING THE EXISTING SITE CONDITIONS OF THE PROPERTY, KNOWN AS
VETERANS MEMORIAL FIELD
 PREPARED FOR
KENT + FROST LANDSCAPE ARCHITECTS
 CEDAR GROVE AVENUE & CAPE ANN COURT
 NEW LONDON, CONNECTICUT

PROJECT NO.	2015-107
PLOT DATE	8 JUNE 2015
DWG. NO.	V-01

Veterans Memorial Field

New London, CT



SOIL MANAGEMENT PLAN

Veterans Field
Cedar Grove Avenue
New London, Connecticut

INTRODUCTION

An Environmental Land Use Restriction (ELUR) was recorded on December 23, 2010 on land records for the property known as Veterans Field, Cedar Grove Avenue, New London, Connecticut, designated as Map #35, Block #217, and Lot #7 on the City of New London tax map (the "Property"). The ELUR was implemented as part of a remedial action plan to address sitewide contaminated fill materials at the Veterans Field property at depths of up to at least 10 feet in some areas. The contaminated fill material consists of ash-impacted soils that exceeded Connecticut regulatory criteria, specifically the Residential Direct Exposure Criteria (Res DEC). The remedial actions consisted of a combination of excavation, relocation/reuse, and off-site disposal of impacted soils. An orange warning fabric was placed over all remaining soils exceeding the Res DEC. A minimum of 4 feet of clean soil was then placed over the warning fabric, rendering the impacted soils inaccessible as defined in the RSR. The ELUR stipulated that the soils not be disturbed, including the impacted soils beneath the warning fabric and the overlying soils used to cover the warning fabric and render the impacted soils inaccessible. Any disturbance of the capping soils will require a temporary release from the ELUR that must be approved by the Connecticut Department of Energy and Environmental Protection (CT DEEP).

HRP has prepared this Soil Management Plan (SMP) to describe the appropriate handling and disposal requirements of the contaminated soils placed under the ELUR, per the CT DEEP, during the redevelopment of the baseball field.

SITE REDEVELOPMENT ACTIVITIES AND PROCEDURES

Site redevelopment activities are anticipated to consist of demolition of existing structures, pavement, removal of selected trees, removal of certain utilities, and other activities on the property followed by construction of a new, re-configured baseball field and associated structures, installation of new utilities, landscaping, and other site improvement activities. The following tasks have the potential to disturb contaminated soils associated with the ELUR:

- Excavation and regrading of existing soils as required for the construction of the new field;
- Installation of trenches for utilities, fencing, vegetation, construction of dugouts and other structures and features.

During the redevelopment, HRP will oversee the activities associated with any disturbance of existing soil that could impact the cover material or warning layer and general soils management activities, including any removal, stockpiling, and disposal associated with contaminated areas encountered during these activities.

MATERIAL MANAGEMENT

The goal of the soil management plan for this site is to specify certain procedures to be followed during the redevelopment of the baseball field in order to:

- minimize disturbance of the clean soils comprising the DEC cap overlying the impacted soils;
- avoid disturbance of the warning fabric and impacted soils underlying the warning fabric;
- properly manage any clean or impacted soils unavoidably disturbed during the installation of any utilities or during the leveling of the field;
- properly manage and dispose of any excess impacted soils generated during this process;
- maintain conditions that are in conformance with the numerical RSR criteria, specifically the Res DEC, in order to protect public health; and
- restoration of warning layer and cover material as needed.

The course of action is listed below:

1. Once site redevelopment activities commence, HRP will perform field inspection duties and assist the contractor and construction manager with documentation. As part of field inspection, HRP will also perform waste characterization sampling and prepare waste disposal documentation if removal of impacted soil is required.
2. Clean soils that are excavated will be placed next to the excavations for later placement back into the excavations if possible along with imported, clean material as needed to restore grade. Excess excavated impacted soils will be segregated, staged and stockpiled in a designated Waste Stockpile Area (WSA) as necessary, prior to off-site disposal.
3. All stockpiles will be constructed in a manner to contain and secure the material and prevent contact of the stockpiled material with the ground beneath it or release of any stockpiled material to the surrounding area. The stockpile location will be selected to limit unauthorized access to the materials. Impacted soils will be stockpiled on and covered by 10-mil plastic sheeting, which will be anchored with sandbags to contain the materials and minimize potential exposure. Concrete barrier curbs and/or hay bales will be placed along the perimeter of the WSA to prevent migration of contaminated materials out of the WSA.
4. Any incidental spillage of soil that occurs during material transfer to/from the stockpiles will be collected and returned to the stockpile. To ensure that all spilled material is cleaned up, the existing surficial soils beneath the spilled material will also be removed and handled in the same manner as the spilled material. All litter, debris, and excess materials from the site will be collected and properly disposed of throughout the soil remediation activities.
5. If any utilities need to be installed below the warning fabric depth, any contaminated soil encountered will be excavated and the warning fabric will be lowered to the necessary depth to be beneath the utilities. The utilities will then be surrounded with clean soil in order to avoid unnecessary exposure during any future maintenance.
6. Any stockpiled soil requiring off-site disposal will be removed by loading the material onto trucks, disposing of any polyethylene sheeting, and scraping up to 6 inches of surface soils to ensure the removal of all potentially impacted media. Anti-tracking pads will be placed at the entrances to the WSA to remove any residual material that may have adhered to tires during excavation and waste loading activities. The anti-tracking pad material will be disposed of off-site along with the final loads of contaminated soil.
7. Any excess contaminated soil on-site will be transported for proper disposal at a licensed facility. The selected facility will be subject to approval by the City of New London. Prior to approval, HRP will collect representative samples of the waste for specific waste characterization analyses at the frequency required by the disposal facility. The contractor will provide all documentation related to waste disposal, including manifests, Material Shipping Records, Bills of Lading, weight tickets, etc. to HRP.
8. Laboratory analysts for characterization of material targeted for off-site disposal (if needed) will include all parameters required by the disposal/treatment/relocation facilities. Sampling frequency will be consistent with the disposal/treatment facility's requirements. All laboratory analyses will be conducted using CT Reasonable Confidence Protocols (RCP).

9. Site restoration will be completed per the site development plans. The Site activities will result in a clean soil layer equal to or greater than the original thickness. If the warning fabric is damaged, it will be repaired or replaced by the contractor during backfilling activities.

10. HRP will oversee the implementation of all soil management activities and will prepare and maintain a complete record of management activities performed. HRP will be responsible for ensuring that the project is completed in accordance with the specifications of the 2004 RAP, the SMP, OSHA required health and safety measures, and generally accepted industry/engineering standards.

11. The Site activities will be completed within a year of the approval of the release of the ELUR. A Completion Report, prepared by the Site LEP, will be submitted to the CT DEEP within a month of the completion of activities on the property. The following specific documentation and reporting requirements will be the responsibility of HRP:

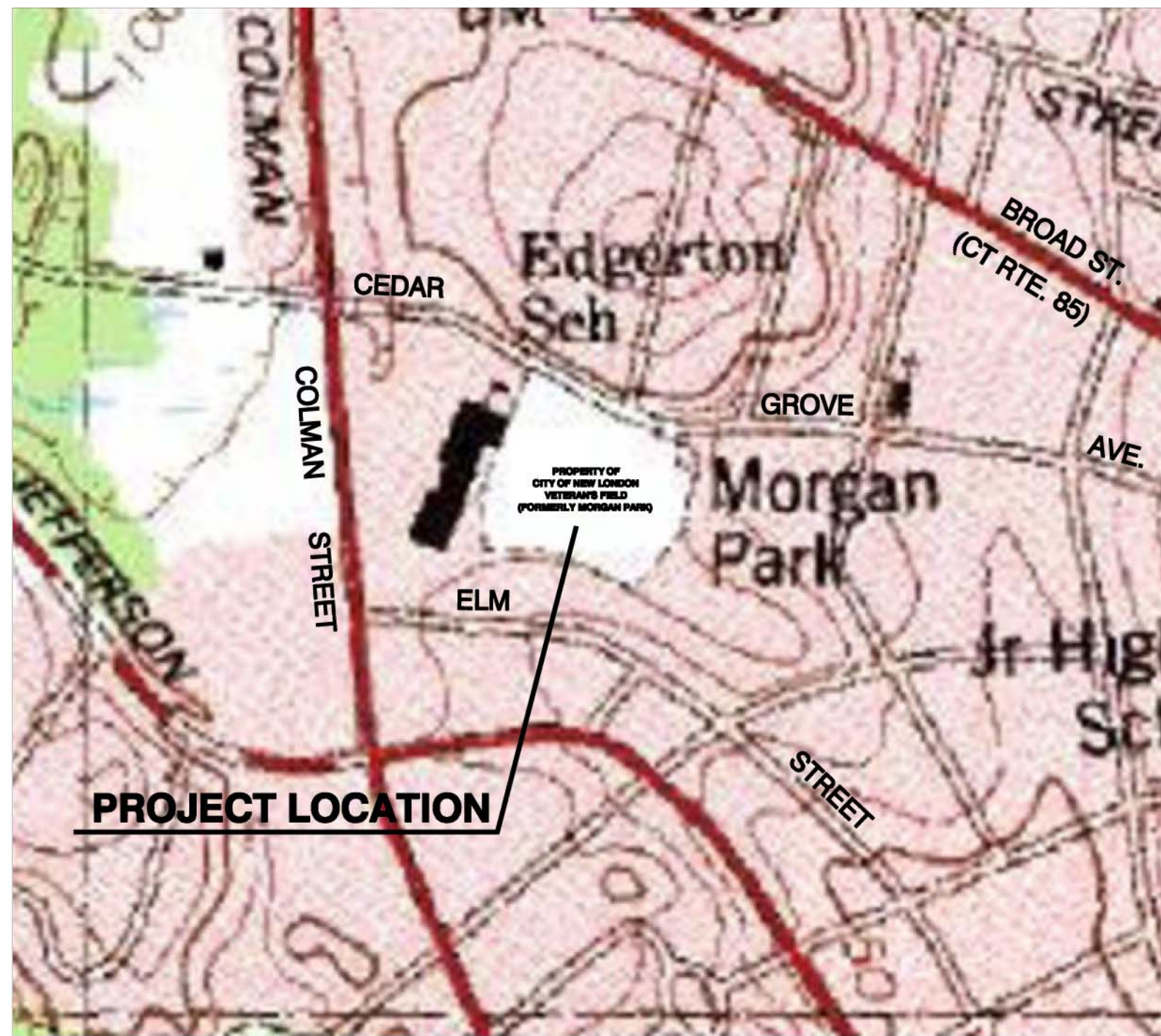
- Verifying achievement of soil management goals;
- Ensuring proper management of wastes, including stockpiling, loading for transport, etc.;
- Maintaining an accurate accounting of contaminated materials leaving the site and placement of contaminated fill on the site;
- Photographic documentation of completed excavations, completed soil management areas, and other pertinent observations;
- Documenting, and reporting of any spills, leaks, or other discharges occurring at the site;
- Documenting and reporting of any disruption/damage to utilities that occurred during soil management activities;
- Completion of a daily report upon periodic site visits summarizing the progress, events, contractor activities and other pertinent details;
- Ensuring that erosion control is adequately maintained throughout the project; and
- Documentation of any relocation of soils.

Bid Documents

Revisions	Date
1.	
2.	
3.	

SOIL MANAGEMENT PLAN

Scale	
Date	December 23, 2016
K+F Project No.	2015016
Drawing No.	



SITE VICINITY MAP
SCALE: 1" = 400'

MAP REFERENCES

1. "Map Showing Revised Property Line 287 & 295 Elm Street, New London, Connecticut, Prepared for Mary Taglianetti, May 30, 1997" by David M. Coonrad.
2. "Property Survey and Existing Conditions Plan Property of The City of New London-Veterans Field Cedar Grove Avenue Cape Ann Court New London, Connecticut" Scale: 1"=40', Date: January 22, 2003, by DiCesare-Bentley.
3. "Plan Showing Underground Utilities Veterans Field Cedar Grove Avenue New London, Connecticut", Scale: 1"=40 feet, Dated: August 25, 2008, by A-2 Maps and Surveys.
4. "Sample Locations Less Than The RDEC Or Below Fabric, Cedar Grove Avenue New London, Connecticut", Scale: 1"=20' Dated: 3/27/08 Figure B, by HRP Associates, Inc.
5. "Property Survey Property of Amber Properties, LLC, Cedar Grove Avenue and Elm Street, New London, Connecticut, Scale: 1"=30' March 26, 2010, by DiCesare & Bentley.

LEGAL DESCRIPTION OF ENVIRONMENTAL LAND USE RESTRICTION (SUBJECT AREA A)

Beginning at a drill hole set in the northeasterly corner of a two foot wide granite stone wall, said drill hole is also in the westerly street line of Cedar Grove Avenue and is the northeasterly corner of the herein described Environmental Land Use Restriction;

Thence S10°31'29"W, along the easterly face of said granite stone wall, which also represents the westerly street line of Cedar Grove Avenue, 196.85 feet to a point in said granite stone wall/westerly street line of Cedar Grove Avenue;

Thence S19°10'51"W, along said easterly face of the granite stone wall/westerly street line of Cedar Grove Avenue, 50.26 feet to a break in said stone wall;

Thence S19°29'11"W along said westerly street line of Cedar Grove Avenue, 43.46 feet to another section of said granite stone wall;

Thence southwesterly and southeasterly along the aforesaid easterly face of the granite stone wall/westerly street line of Cedar Grove Avenue the following courses and respective distances;

S14°26'06"W, 30.84 feet to a point;
S11°23'35"W, 13.78 feet to a point;
S08°39'52"W, 12.96 feet to a point;
S00°58'30"E, 23.39 feet to a point;
S09°54'59"E, 14.12 feet to a break in said granite stone wall;

Thence S14°42'32"E, along said westerly street line of Cedar Grove Avenue, 59.00 feet to another section of said granite stone wall;

Thence S15°17'39"E along the aforesaid easterly face of the granite stone wall/westerly street line of Cedar Grove Avenue, 32.50 feet to a point in the northerly line of land now or formerly Kenneth I. and Sandra E. Crosby;

Thence S9°06'15"W along the northerly line of lands of now or formerly Kenneth I. and Sandra E. Crosby, and John C. and Dorothy Pickering, each in part, 245.98 feet to a point, said line is represented by the southerly face of a granite stone retaining wall;

Thence N61°31'29"W along the northerly line of lands of John C. and Dorothy Pickering, Sorys Mendez, Cape Ann Court (a public street) and Michael L. Macdonald and Christina T. Kumbatovich, each in part, 224.44 feet to a drill hole in the cap of a stone wall, said drill hole is set in the easterly line of land now or formerly Linda E. Alexander, said line is represented by the southerly face of said granite stone retaining wall;

Thence northeasterly and northwesterly along the easterly line of lands of now or formerly said Linda E. Alexander, Frances L. and Michael Hubbard, Veronica S. and Richard Wilson, Daniel P. and Marie F. McSparran and Philistine Shaw, each in part the following courses and respective distances;

N13°02'48"E, 146.05 feet to a drill hole;
N12°52'37"E, 141.73 feet to a drill hole;
N08°14'53"W, 129.44 feet to a point which marks the northwesterly corner of the herein described Environmental Land Use Restriction;

Thence generally easterly along the southerly line of lands of now or formerly Philistine Shaw and Colman Square Partner's, LLC, each in part the following courses and respective distances;

N73°23'21"E, 71.99 feet to a point;
N61°20'19"E, 26.45 feet to a point;
N22°08'50"E, 24.73 feet to a point;
S86°09'42"E, 51.80 feet to a point;
S74°21'23"E, 289.51 feet to the point of beginning;

The herein described Environmental Land Use Restriction (Subject Area A) contains 212,345 square feet (4.8748 acres) as shown on map entitled "DECLARATION OF ENVIRONMENTAL LAND USE RESTRICTION AND GRANT OF EASEMENT BETWEEN CITY OF NEW LONDON AND COMMISSIONER OF ENVIRONMENTAL PROTECTION, DATED: MAP SHOWING PROPERTY OF CITY OF NEW LONDON (BOARD OF EDUCATION) (VETERANS FIELD) CEDAR GROVE AVENUE, NEW LONDON, CONNECTICUT, SCALE: 1"=40' DATE: " by HRP Associates, Inc.

This map has been prepared pursuant to the regulations of Connecticut State Agencies Sections 20-300b-1 through 20-300b-20 and the "Standards for Surveys and Maps in the State of Connecticut" as adopted by the Connecticut Association of Land Surveyors, Inc. on September 26, 1996; it is an ALTA/ACSM land title survey and is intended to be used to comply with Regulation of Department of Environmental Protection Section 4, Section 22a-133a-1, Environmental Land Use Restrictions;

This map and the survey on which it is based were made in accordance with "Minimum Standard Detail Requirements for ALTA/ACSM Land Title Surveys", jointly established and adopted by ALTA and ACSM in 2005, and includes all optional items of Table A thereof, exclusive of items 2,3,4,5,8,10,11,13 and 18 pursuant to the accuracy standards (as adopted by ALTA and ACSM in effect on the date of this certification);

The type of survey performed is an easement map survey, and is intended to show the Environmental Land Use Restriction with respect to the property boundary;

Boundary determination/opinion is a first survey and is based upon locating physical evidence, map references and deed descriptions; and

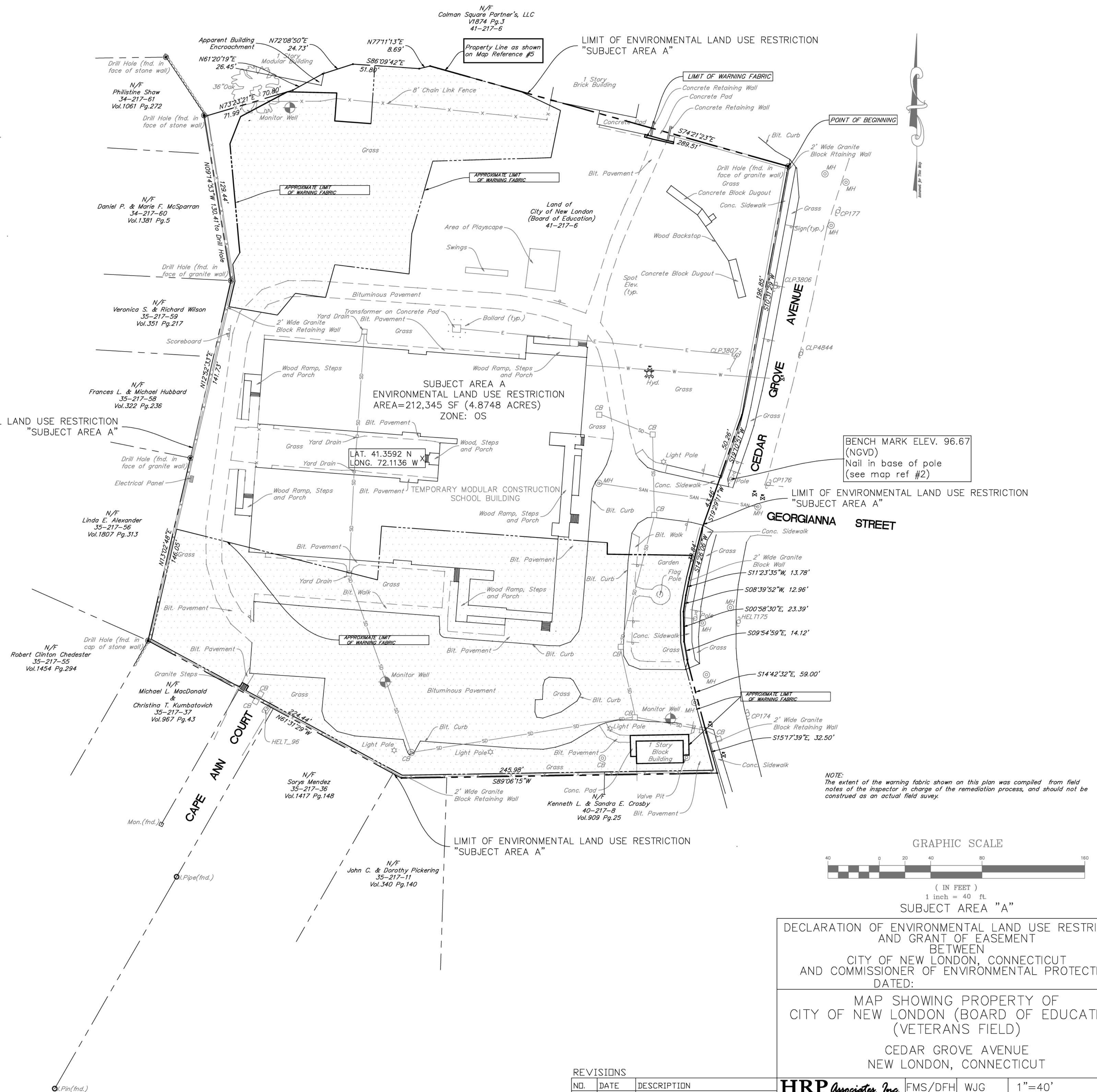
This survey conforms to Class A-2 and Class T-2;

To my knowledge and belief this map is substantially correct as noted herein;

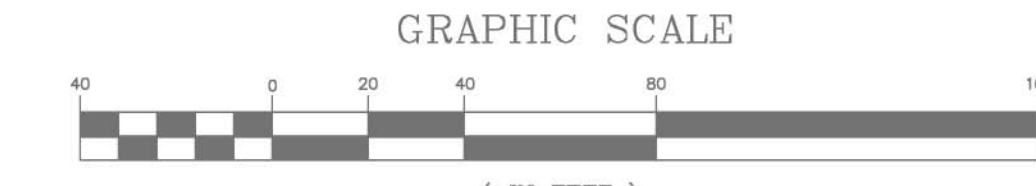
XX

Francis M. Sava, PLS#15771
for HRP Associates, Inc.

This map is not valid without the live signature and impression type seal of the surveyor whose signature appears hereon.



BENCH MARK ELEV. 96.67 (NGVD)
Nail in base of pole
(see map ref #2)



SUBJECT AREA "A"
DECLARATION OF ENVIRONMENTAL LAND USE RESTRICTION AND GRANT OF EASEMENT BETWEEN CITY OF NEW LONDON, CONNECTICUT AND COMMISSIONER OF ENVIRONMENTAL PROTECTION DATED:
MAP SHOWING PROPERTY OF CITY OF NEW LONDON (BOARD OF EDUCATION) (VETERANS FIELD) CEDAR GROVE AVENUE NEW LONDON, CONNECTICUT

REVISIONS		
NO.	DATE	DESCRIPTION

HRP Associates, Inc. Environmental/Civil Engineering & Hydrogeology Creating the Right Solutions Together Connecticut, New York, South Carolina, Florida, Indiana, Texas 197 Scott Swamp Road Farmington, Connecticut 06032 Ph: (860)674-9570 Fax: (860)674-9824 www.hrpassociates.com	FMS/DFH SURVEYED	WJG APPROVED	1"=40' SCALE
	FMS DRAWN	DATE	OCT. 4, 2010
FMS CHECKED	PROJECT NO.	NEW3515.CE	SHEET NO.

E-2.0

Veterans Memorial Field

New London, CT

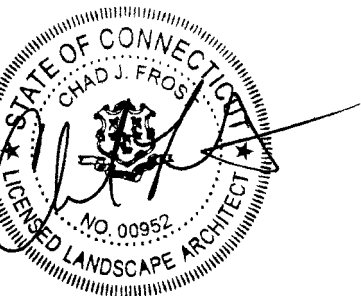


LEGEND:

- PROPERTY LINE
- - - SAW CUT LINE
- TEMPORARY CONSTRUCTION FENCE
- SILT FENCE
- TREE PROTECTION FENCE
- [Hatched Box] DEMO BITUMINOUS ROADWAY
- [Solid Black Box] DEMO CONCRETE WALK
- [Diagonal Hatched Box] DEMO BITUMINOUS WALK
- DEMO BITUMINOUS CURB
- REMOVE FENCE
- [X] REMOVE VEGETATION

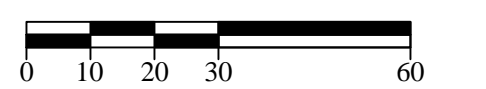
NOTE:

1. ALL STORM DRAIN LINES SHALL BE ABANDONED IN PLACE. CATCH BASIN TO REMAIN. SEE SPEC FOR PROPER TREATMENT. SEE GRADING PLAN FOR T.F. ELEVATION.



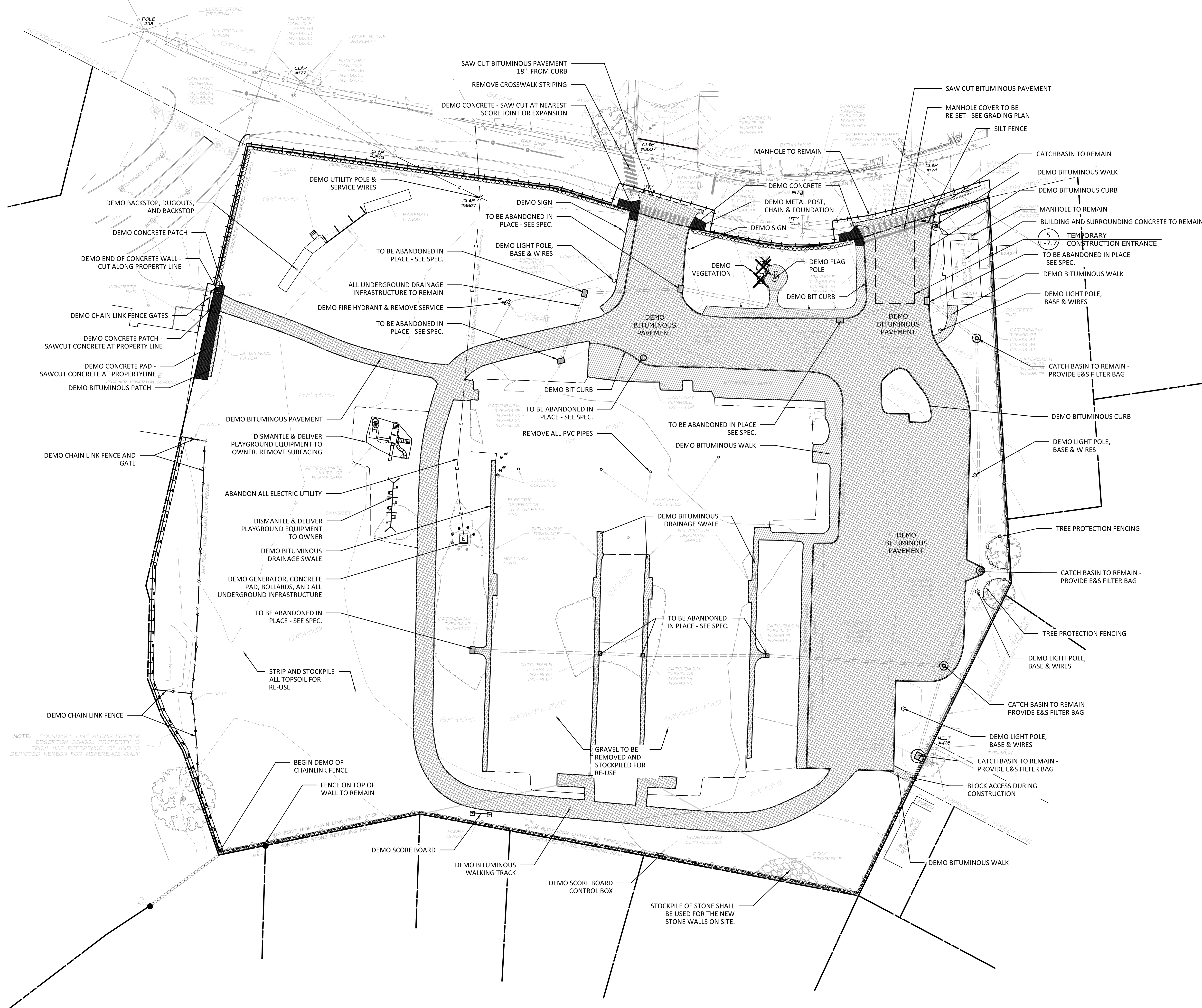
Bid Documents

Revisions	Date
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SITE DEMOLITION PLAN

Scale: 1" = 30'
 Date: December 23, 2016
 K-F Project No.: 2015016
 Drawing No.:



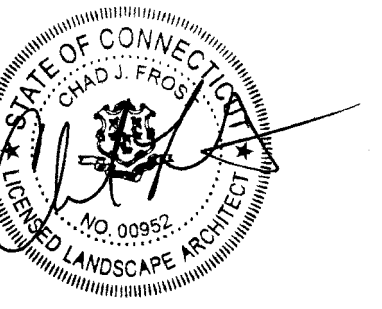
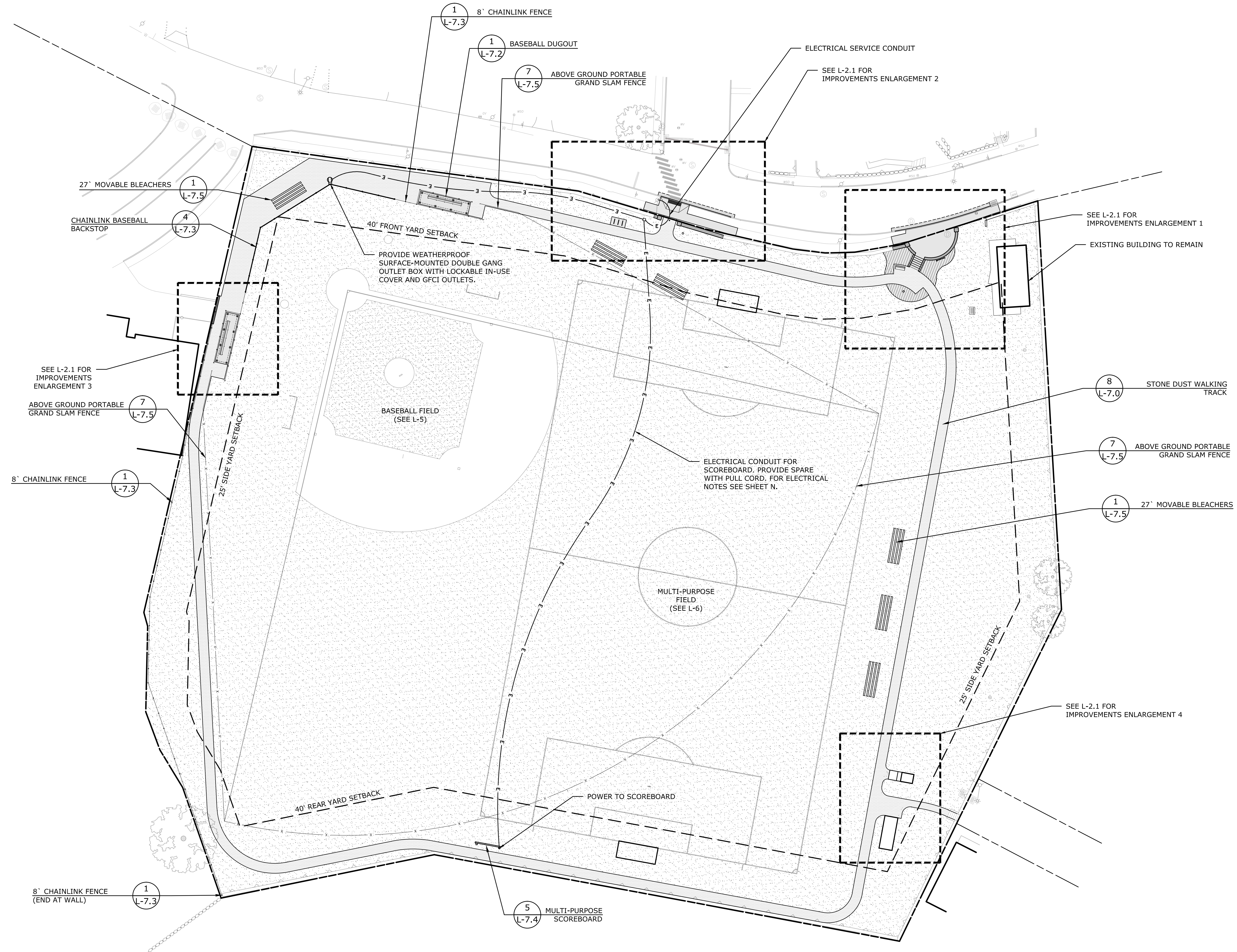
Veterans Memorial Field

New London, CT



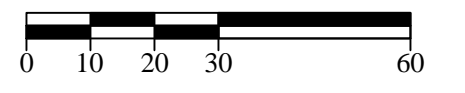
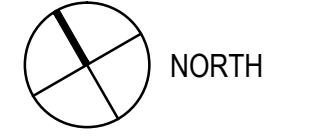
LEGEND:

- PROPERTY LINE
- SETBACK LINE
- SAW CUT LINE
- 8' CHAINLINK FENCE
- GRANDSLAM FENCE
- GRANITE BLOCK WALL
- STONEDUST TRACK
- CONCRETE PAVEMENT
- PLANTING BED
- LAWN
- 8' STONE DUST WALKING TRACK
- ABOVE GROUND PORTABLE GRAND SLAM FENCE
- 27' MOVABLE BLEACHERS



Bid Documents

Revisions	Date
1.	
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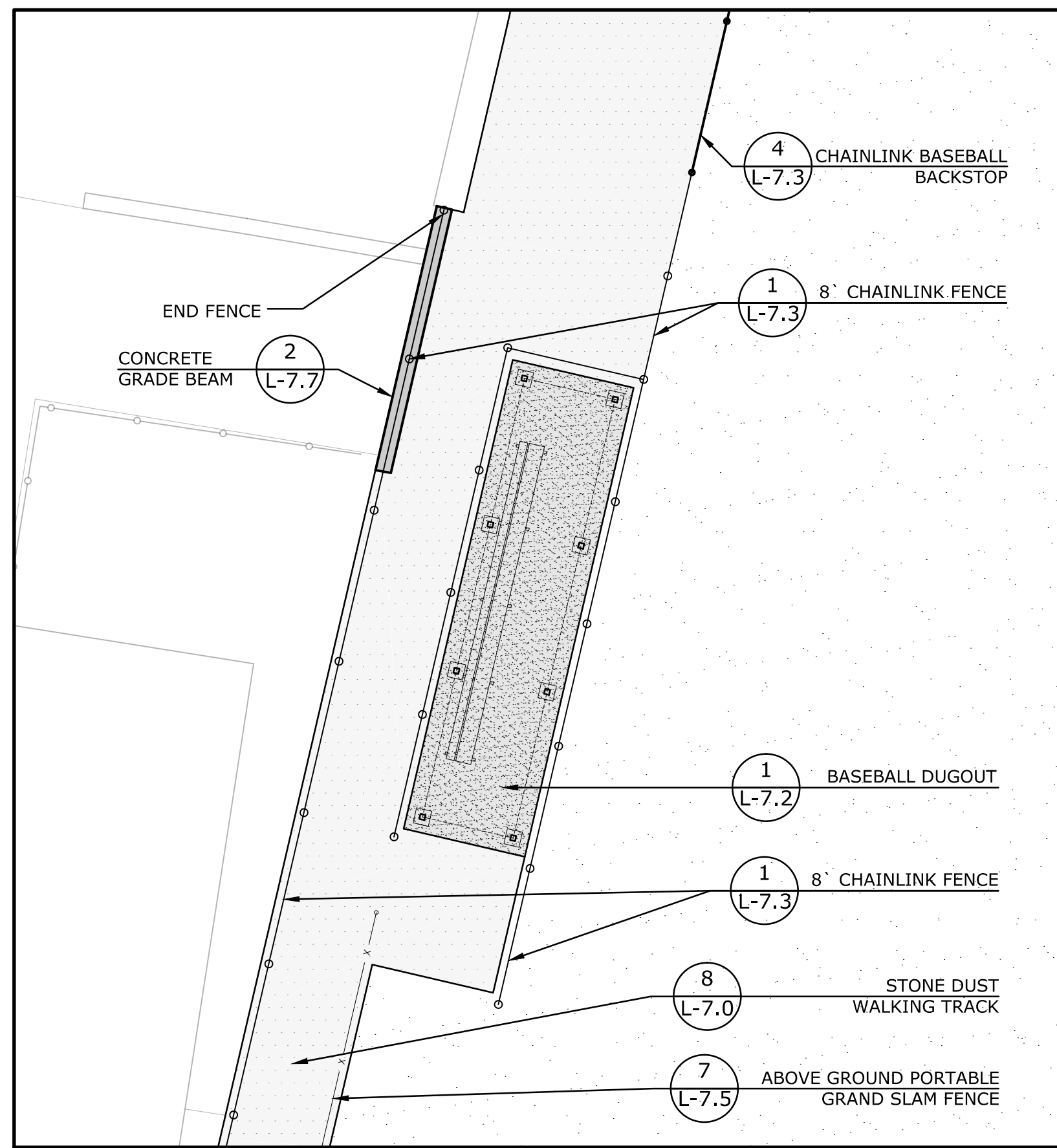


SITE IMPROVEMENTS PLAN

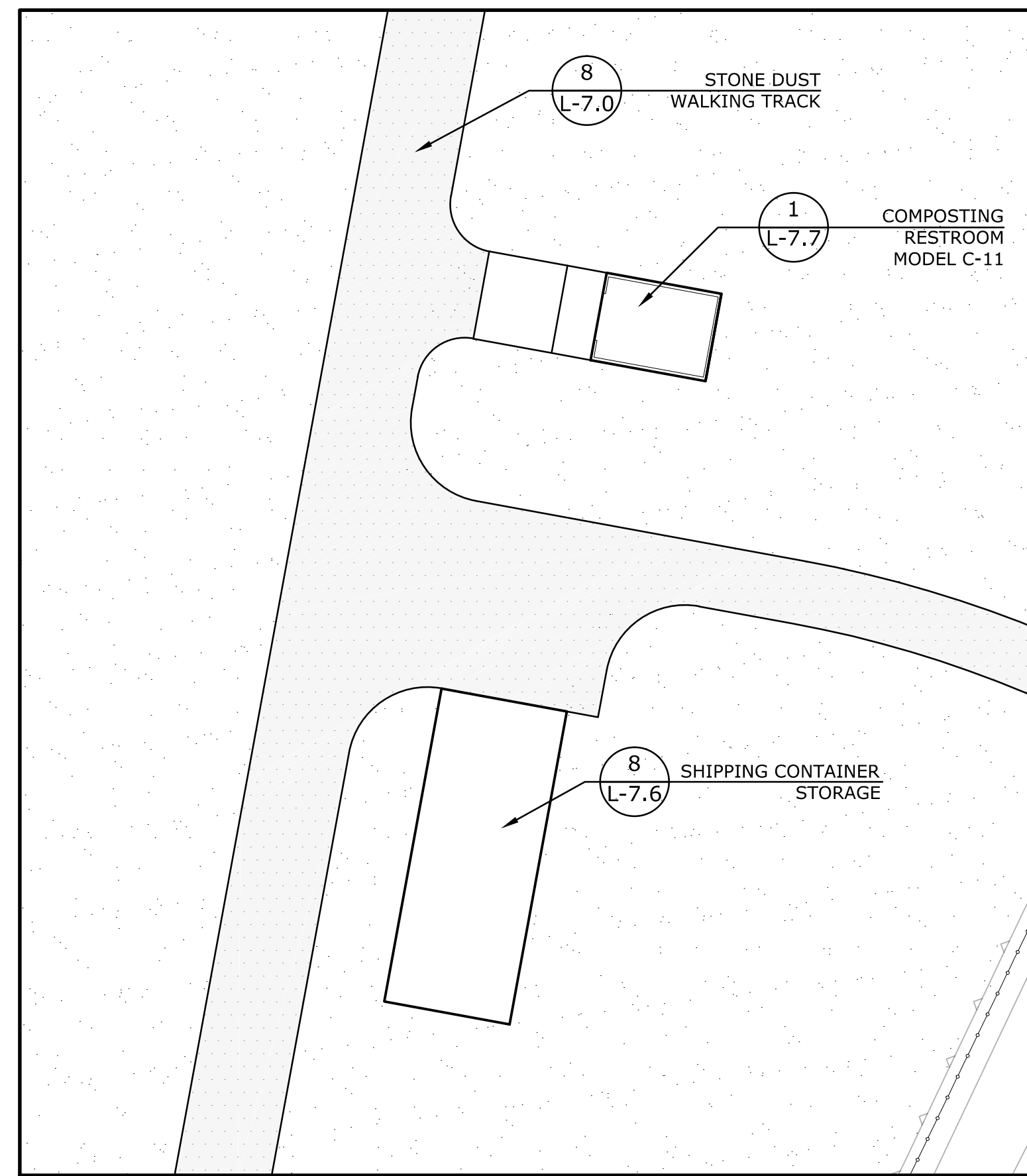
Scale: 1" = 30'
 Date: December 23, 2016
 K-F Project No.: 2015016
 Drawing No.:

LEGEND:

- SAW CUT LINE
- [Pattern] STONEDUST TRACK
- [Pattern] CONCRETE PAVEMENT
- [Pattern] BITUMINOUS PAVEMENT
- [Pattern] PLANTING BED



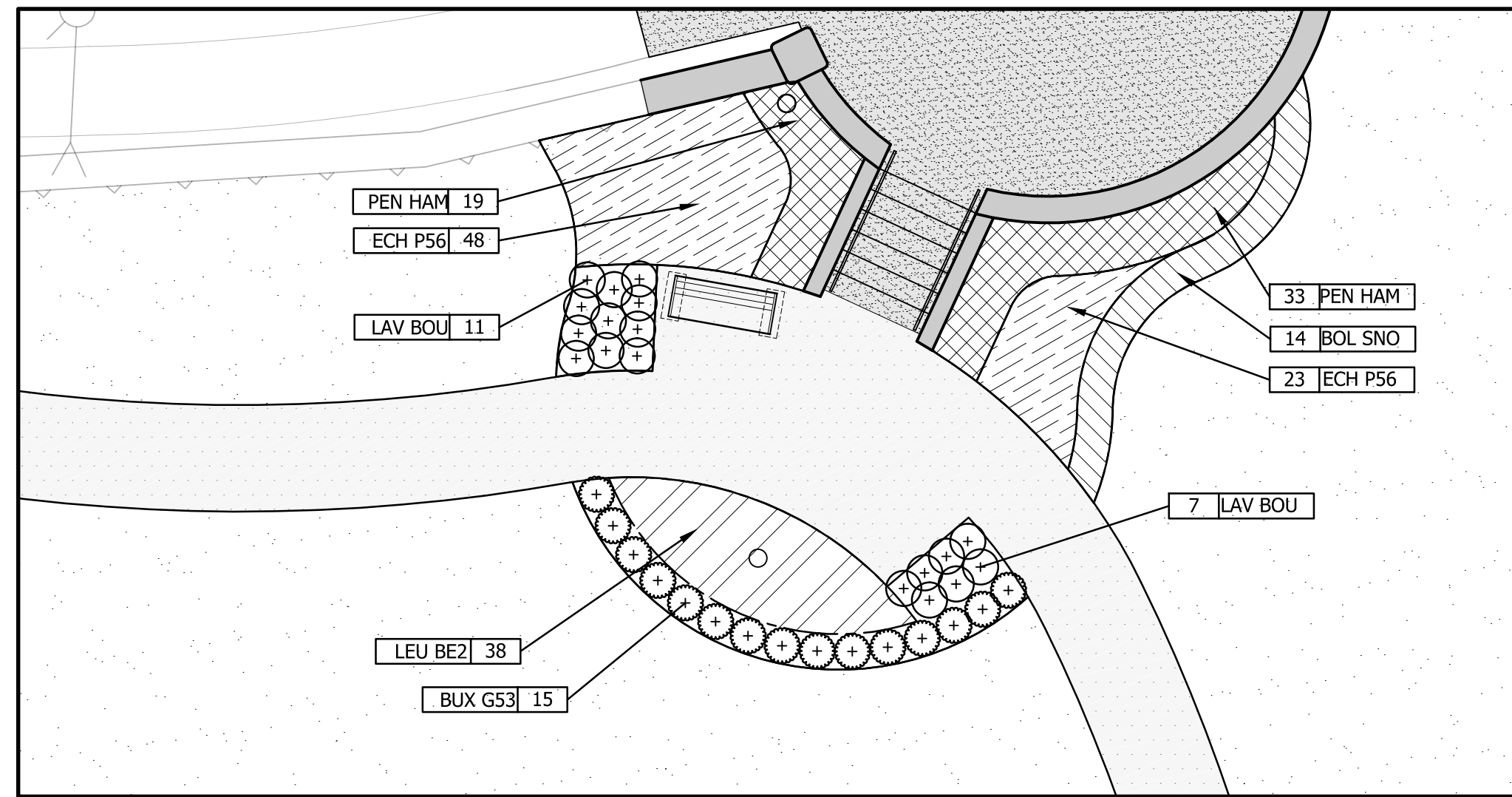
3 ENLARGEMENT AREA
VETERANS MEMORIAL FIELD WESTERN PROPERTY LINE



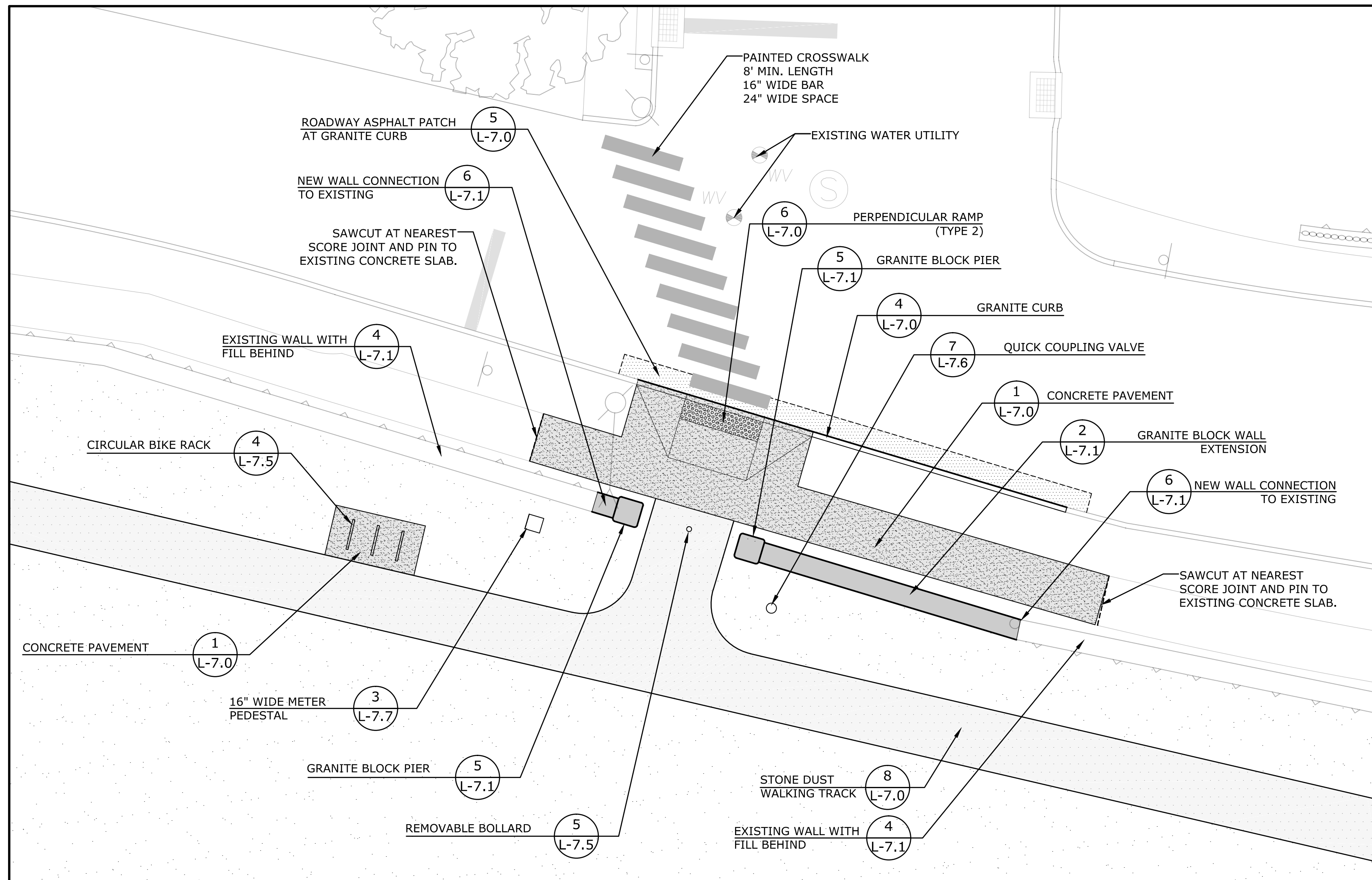
4 RESTROOM / STORAGE ENLARGEMENT
VETERANS MEMORIAL FIELD SECONDARY ENTRANCE

PLANT SCHEDULE ENTRANCE

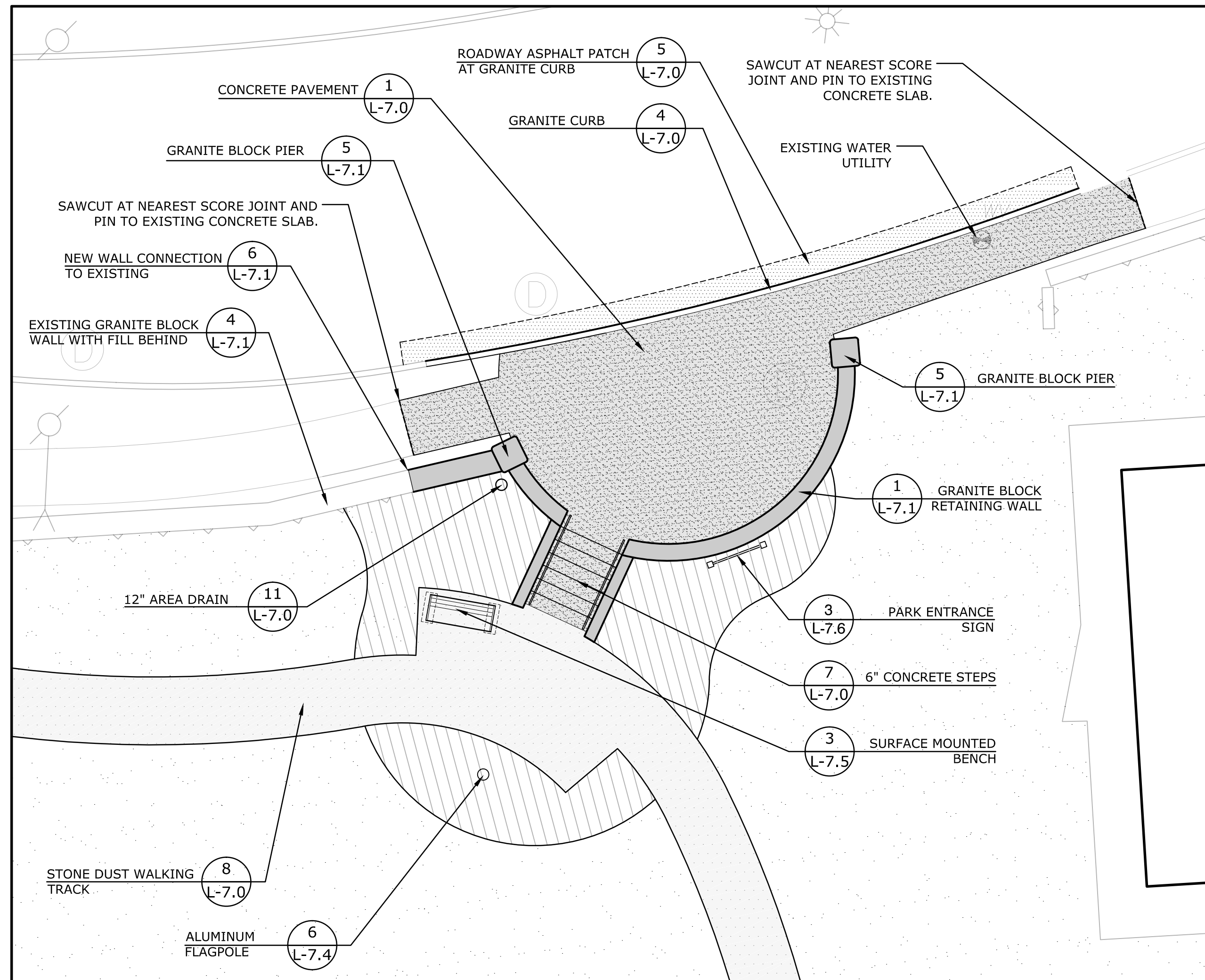
SHRUBS	QTY	BOTANICAL NAME / COMMON NAME	CONT	
BUX G53	15	Buxus microphylla 'Green Gem' / Boxwood	5 gal	
ANNUALS/PERENNIALS	QTY	BOTANICAL NAME / COMMON NAME	CONT	
LAV BOU	18	Lavandula x intermedia 'Fred Boutin' / Fred Boutin Lavandin	3 gal	
GRASS AREAS	QTY	BOTANICAL NAME / COMMON NAME	CONT	SPACING
PEN HAM	52	Pennisetum alopecuroides 'Hameln' / Hameln Dwarf Fountain Grass	1 gal	18" o.c.
PERENNIAL AREAS	QTY	BOTANICAL NAME / COMMON NAME	CONT	SPACING
BOL SNO	14	Boltonia asteroides 'Snowbank' / White Bolton's Aster	1 gal	24" o.c.
ECH P56	71	Echinacea purpurea 'Prairie Splendor' / Prairie Splendor Coneflower	1 gal	18" o.c.
LEU BE2	38	Leucanthemum x superbum 'Becky' / Shasta Daisy	1 gal	18" o.c.



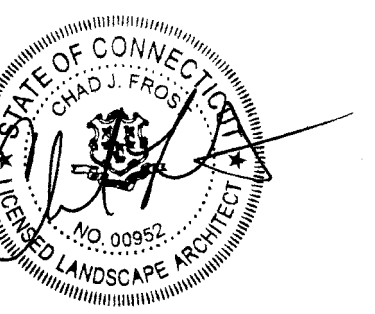
5 ENTRANCE PLANTING PLAN
VETERANS MEMORIAL FIELD PRIMARY ENTRANCE



2 ENTRANCE ENLARGEMENT
VETERANS MEMORIAL FIELD SECONDARY ENTRANCE

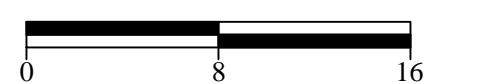


1 ENTRANCE ENLARGEMENT
VETERANS MEMORIAL FIELD PRIMARY ENTRANCE



Bid Documents

Revisions	Date
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SITE IMPROVEMENTS ENLARGEMENTS



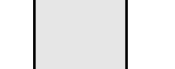

Scale 1/8" = 1'
Date December 23, 2016
K-F Project No. 2015016
Drawing No.

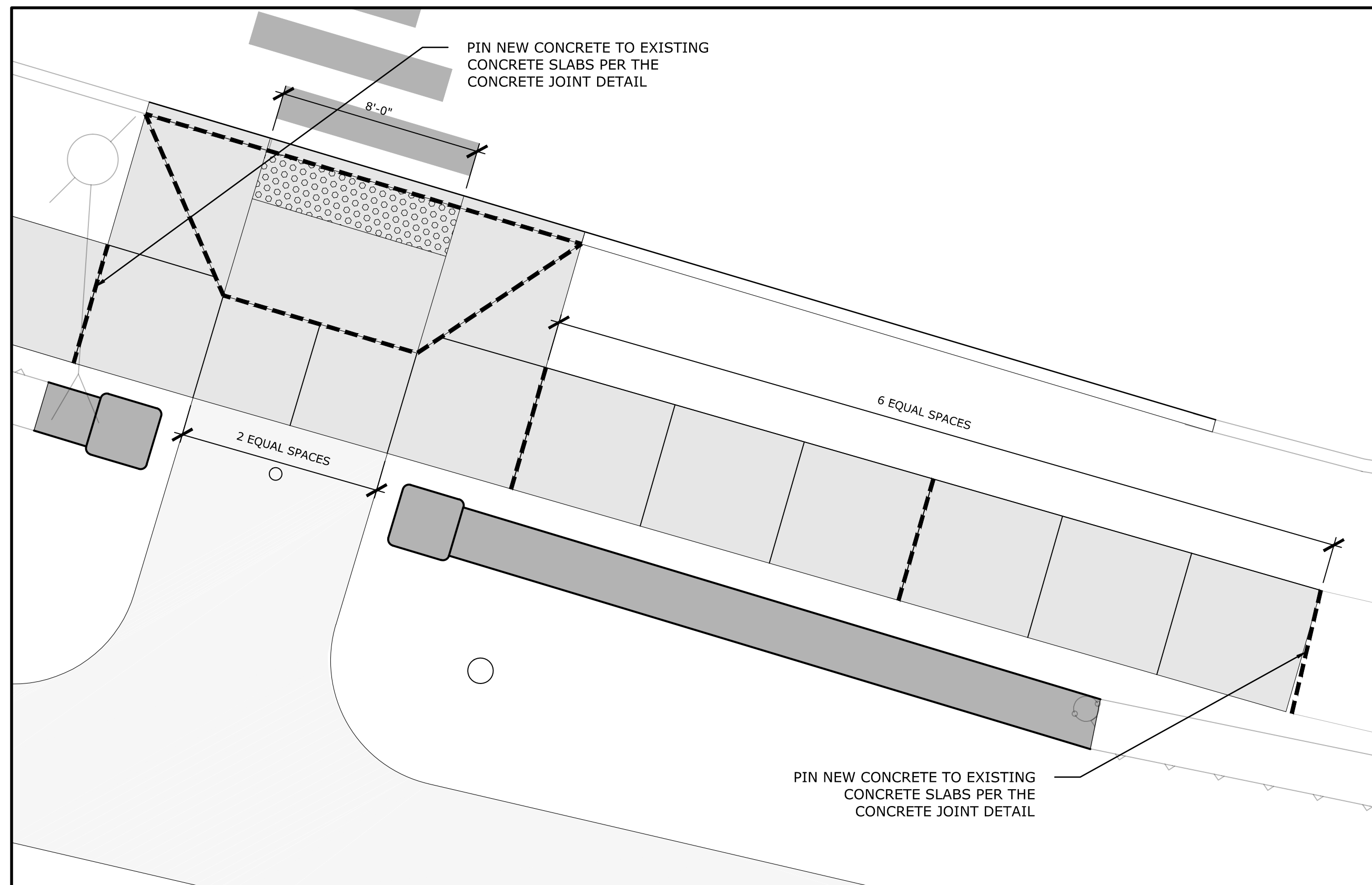
Veterans Memorial Field

New London, CT

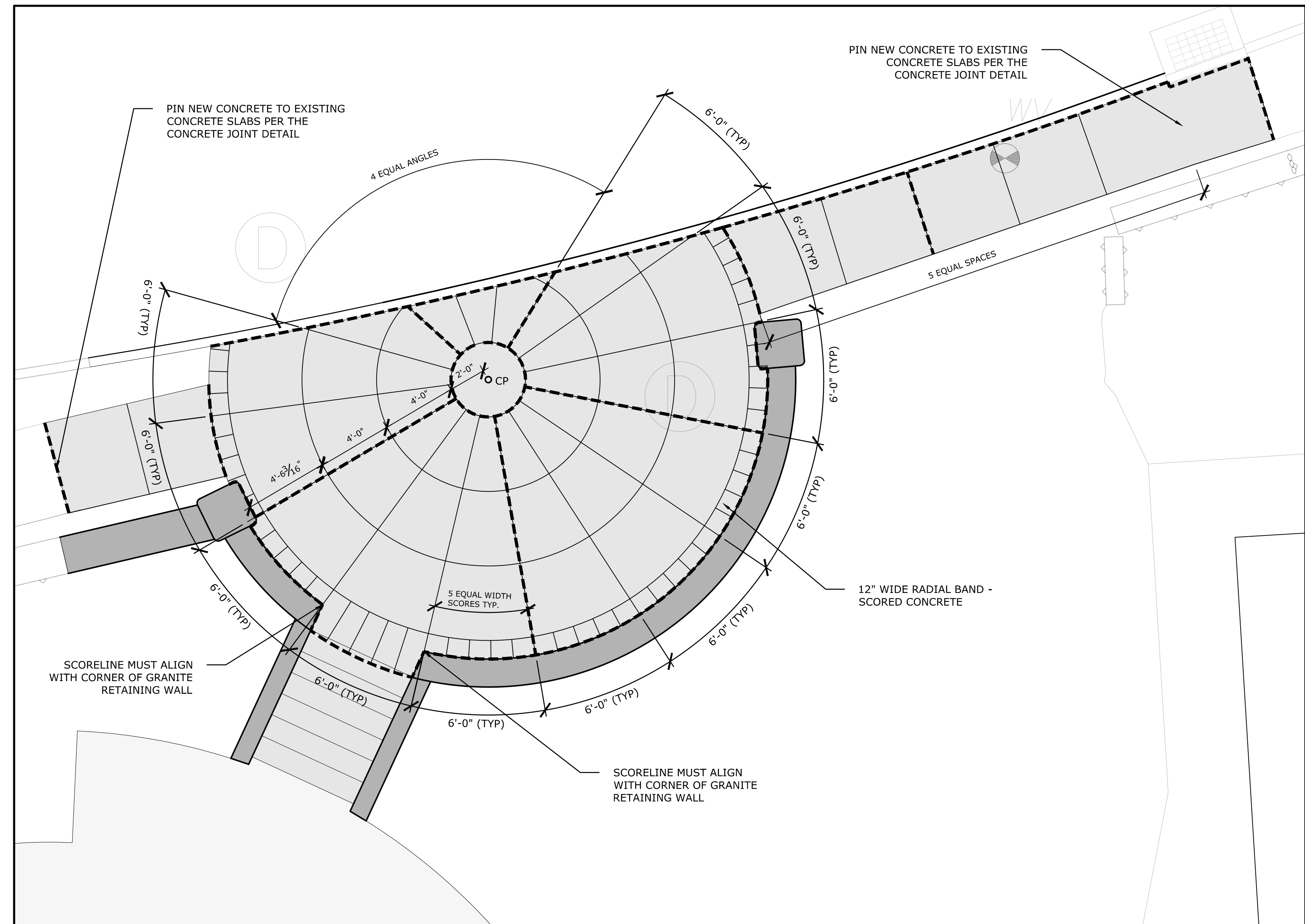


LEGEND:

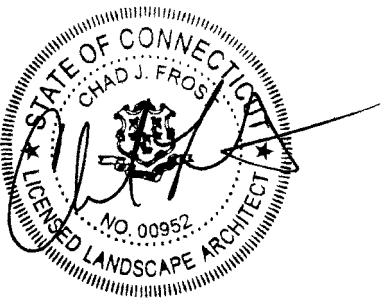
-  EXPANSION JOINT
-  CONTROL JOINT
-  CONCRETE PAVEMENT
-  STONEDUST PAVEMENT



2 ENTRANCE ENLARGEMENT
VETERANS MEMORIAL FIELD SECONDARY ENTRANCE

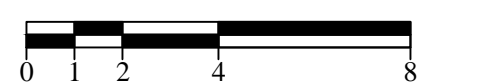


1 ENTRANCE ENLARGEMENT
VETERANS MEMORIAL FIELD PRIMARY ENTRANCE



Bid Documents

Revisions	Date
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EXPANSION AND CONTROL JOINT PLAN

Scale	1/4" = 1'
Date	December 23, 2016
K+F Project No.	2015016
Drawing No.	

Veterans Memorial Field

New London, CT

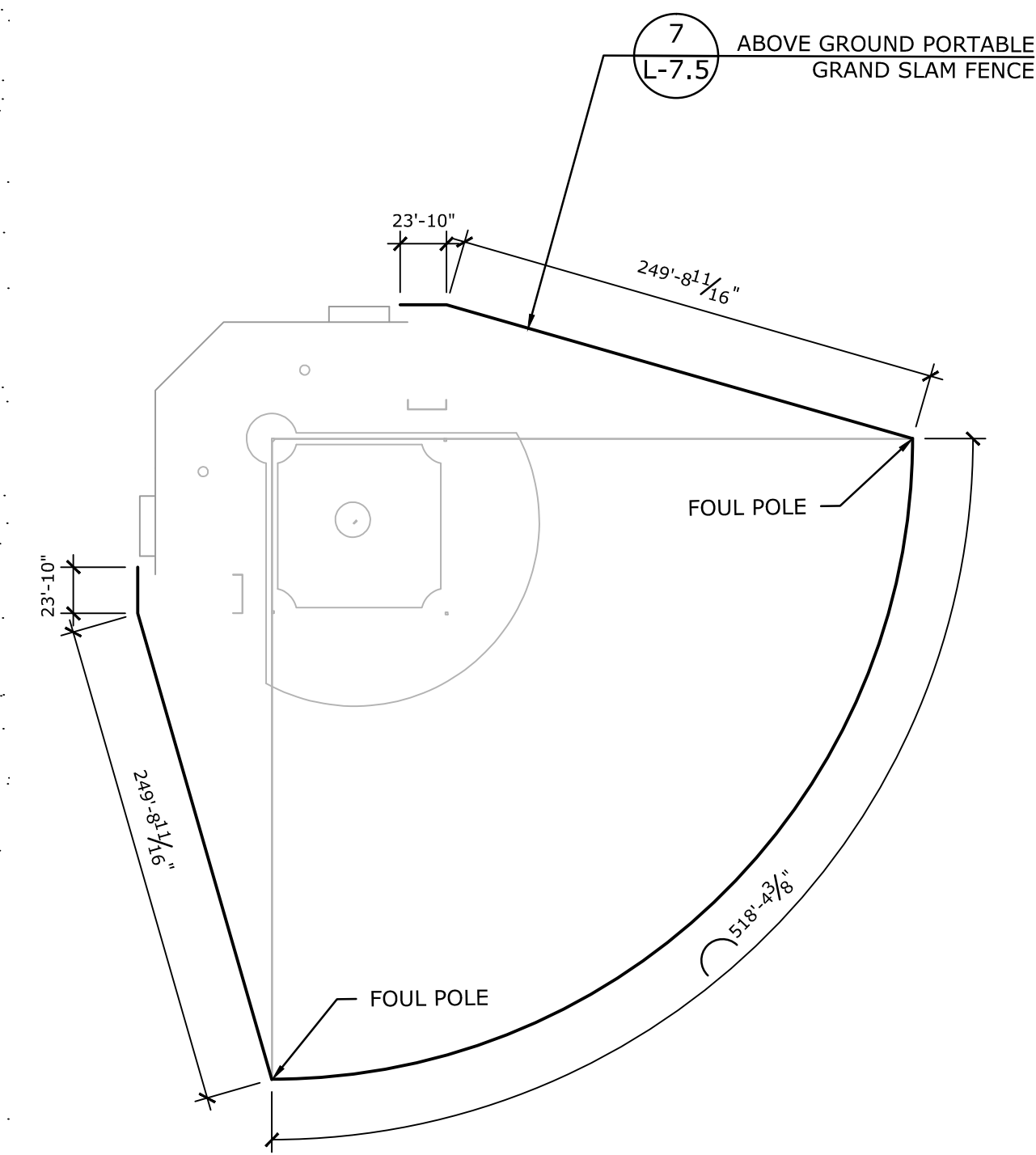
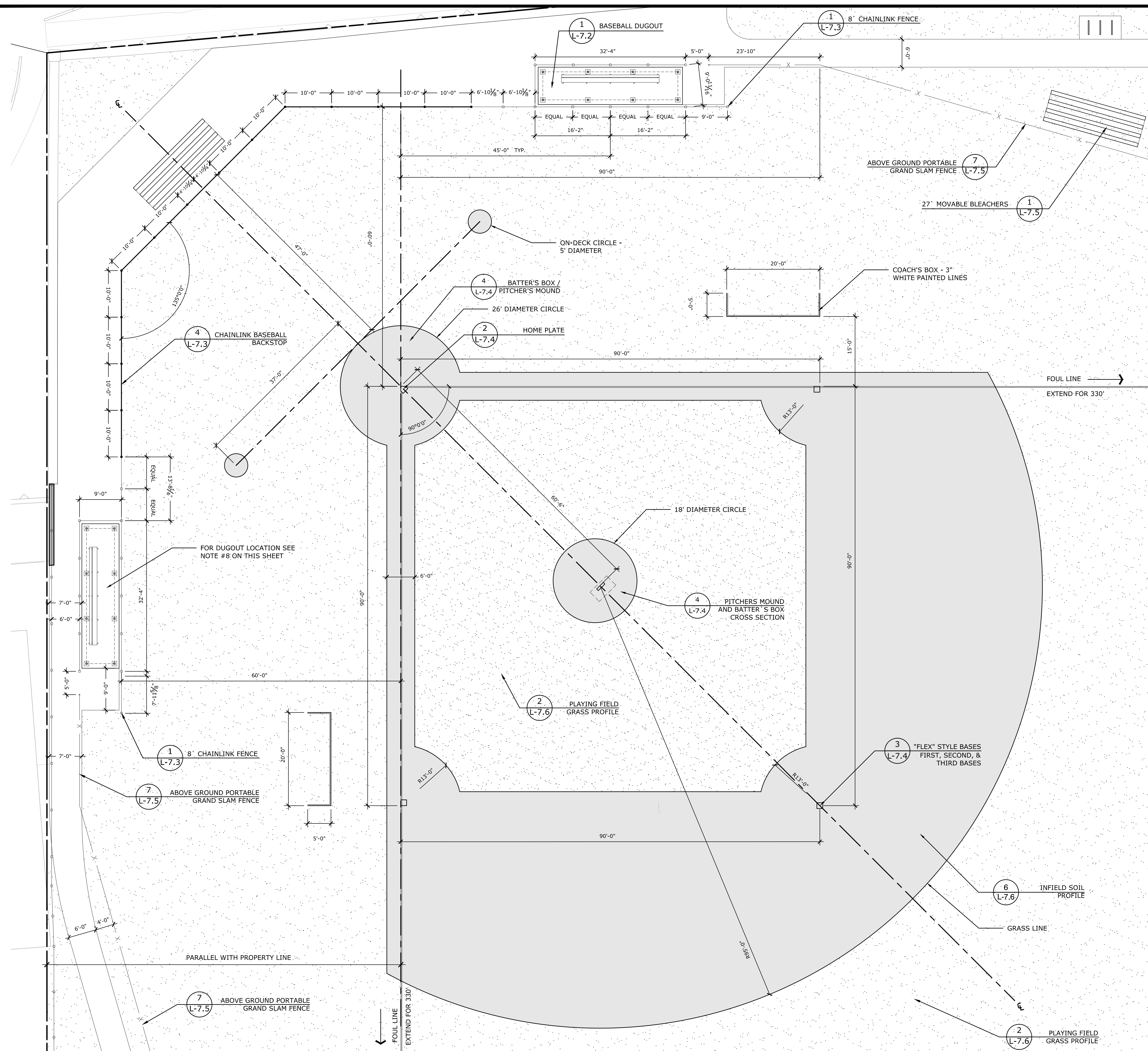
LANDSCAPE
**KENT+
FROST**
ARCHITECTURE
1 HIGH STREET
MYSTIC, CT 06355
860.572.0784
kentfrost.com

LEGEND:

- PROPERTY LINE
- - - - - LIMIT OF WORK
- - - - - CENTER LINE
- 8' CHAINLINK FENCE
- X GRANDSLAM FENCE
- INFIELD MIX

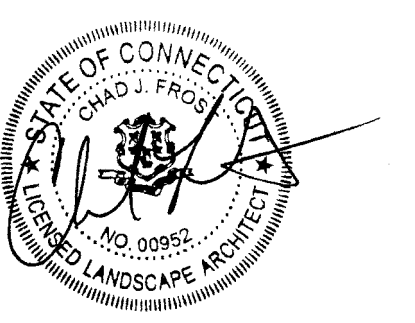
NOTES:

1. THE CENTER OF THE SECOND BASE IS ONE CORNER OF THE 90-FOOT SQUARE AND THE MEASUREMENT TO FIRST AND THIRD BASES IS TO THE BACK EDGE OF EACH BASE. ALL MEASUREMENTS ARE TO BE MADE FROM THE APEX OR BACK POINT OF HOME PLATE. THE OUTFIELD SHALL BE THE AREA BETWEEN TWO FOUL LINES FORMED BY EXTENDING THE TWO OUTER SIDES OF THE SQUARE.
2. THE OUTFIELD FENCE SHALL FOLLOW A RADIUS OF 330 FEET FROM THE APEX OF HOME PLATE TO EACH FOUL LINE.
3. ALL LINES MUST BE MARKED WITH CHALK OR NON-BURNING WHITE MATERIAL AND MUST BE 3 INCHES IN WIDTH.
4. SEE GRADING PLAN FOR GRADING DETAILS.
5. THE "ON-DECK" CIRCLE SHOULD BE LOCATED 37 FEET FROM HOME PLATE, IN LINE WITH THE FRONT EDGE OF THE DUGOUT.
6. THE TOP OF THE PITCHERS MOUND MUST BE 10" ABOVE THE TOP SURFACE OF HOME PLATE. THERE SHOULD BE A GRADUAL SLOPE OF 1" PER FOOT FROM A POINT 6" IN FRONT OF THE PITCHERS RUBBER TO A POINT 6 FEET TOWARD HOME PLATE. FROM THIS POINT THE MOUND SHOULD SLOPE AND BLEND INTO THE GRADE OF THE REST OF THE PLAYING SURFACE.
7. PLAYERS BENCHES SHALL BE ENCLOSED AT EITHER END, AT THE REAR AND OVERHEAD.
8. THE CENTER OF EACH DUGOUT SHALL BE LOCATED ON THE SIDELINE BOUNDARY AT A POINT EQUAL DISTANCE FROM HOME PLATE AND FIRST BASE AND HOME PLATE AND THIRD BASE (45 FEET).
9. ALL GRASS WITHIN THE PERIMETER OF THE GRANDSLAM FENCE AND BACKSTOP SHALL BE INSTALLED ACCORDING TO DETAIL (2) L-7.6



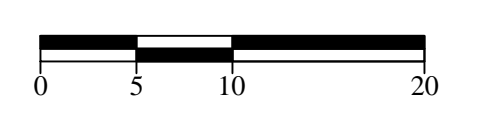
GRANDSLAM FENCE LAYOUT DIAGRAM

SCALE: 1" = 80'



Bid Documents

Revisions	Date
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BASEBALL FIELD LAYOUT PLAN

Scale 1" = 10'
Date December 23, 2016
K-F Project No. 2015016
Drawing No.

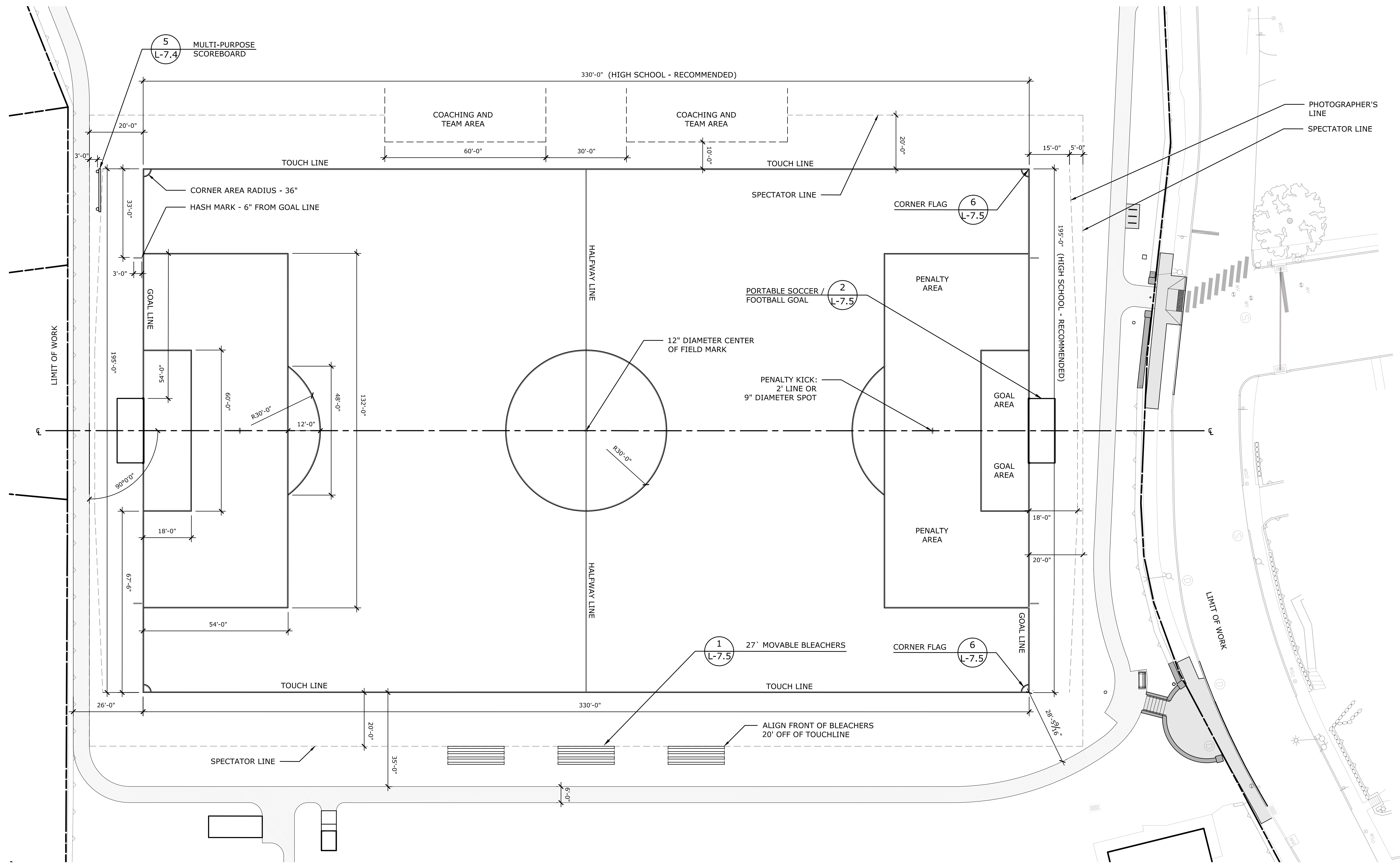
Veterans Memorial Field

New London, CT



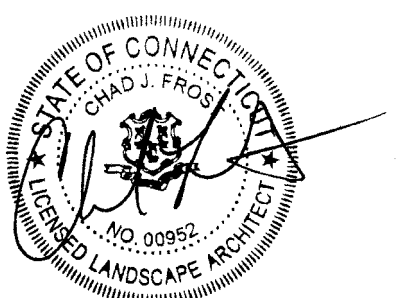
LEGEND:

- PROPERTY LINE
- CENTER LINE



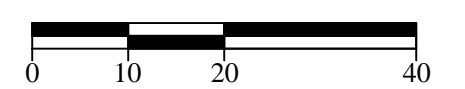
NOTES:

1. ALL LINES, WHICH ARE PART OF THE AREAS THEY DEFINE, SHALL BE THE SAME WIDTH AND MEASURE 4 INCHES IN WIDTH.
2. MEASUREMENTS SHALL BE TAKEN FROM THE OUTSIDE OF THE LINE TO THE OUTSIDE OF THE LINE WITH WHICH IT INTERFACES. HOWEVER, WHEN MEASURING THE WIDTH OF THE GOAL AND PENALTY AREAS, THE MEASUREMENTS SHALL BE TAKEN FROM THE INSIDE OF THE GOAL POST TO THE OUTSIDE OF THE SIX- AND 18-YARD LINES (18 FOOT AND 54 FOOT LINES), RESPECTIVELY.
3. A HALFWAY LINE SHALL BE MARKED OUT ACROSS THE FIELD OF PLAY. THE CENTER OF THE FIELD SHALL BE INDICATED BY A SUITABLE MARK, AND A CIRCLE WITH A 30 FOOT RADIUS SHALL BE MARKED AROUND IT.
4. AT EACH END OF THE FIELD OF PLAY, TWO LINES SHALL BE DRAWN AT RIGHT ANGLES TO THE GOAL LINE, 18 FEET FROM THE OUTSIDE OF EACH GOAL POST. THESE SHALL EXTEND INTO THE FIELD OF PLAY FOR A DISTANCE OF 18 FEET AND SHALL BE JOINED BY A LINE DRAWN PARALLEL WITH THE GOAL LINE. EACH OF THE SPACES ENCLOSED BY THESE LINES AND THE GOAL LINE SHALL BE CALLED A GOAL AREA.
5. AT EACH END OF THE FIELD OF PLAY, TWO LINES SHALL BE DRAWN AT RIGHT ANGLES TO THE GOAL LINE, 54 FEET FROM THE INSIDE OF EACH GOAL POST. THESE SHALL EXTEND INTO THE FIELD OF PLAY FOR A DISTANCE OF 54 FEET AND SHALL BE JOINED BY A LINE DRAWN PARALLEL WITH THE GOAL LINE. EACH OF THE SPACES ENCLOSED BY THESE LINES AND THE GOAL LIKE SHALL BE CALLED THE PENALTY AREA.
6. AT EACH END OF THE FIELD, A 2-FOOT LINE OR 9-INCH SPOT SHALL BE PLACED AT A POINT 108 FEET FROM THE MIDPOINT OF, AND PARALLEL TO, THE GOAL LINE. THE LINE SHALL EXTEND 1 FOOT ON EITHER SIDE OF THE UNDRAWN CENTER LINE. THE SPOT SHALL EXTEND 4 1/2 INCHES ON EITHER SIDE OF THE UNDRAWN CENTER LINE. THE PENALTY KICK MAY BE TAKEN FROM ANY POSITION ON THIS LINE OR SPOT.
7. USING THE CENTER OF THIS PENALTY-KICK LINE OR SPOT, DESCRIBE A 30 FOOT ARC OUTSIDE THE PENALTY AREA AND CLOSING ON THE PENALTY AREA LINE. THIS IS THE RESTRAINING LINE FOR PENALTY KICKS.
8. FROM EACH CORNER, A QUARTER CIRCLE, HAVING A RADIUS OF 3 FEET, SHALL BE DRAWN INSIDE THE FIELD OF PLAY. IN ADDITION, A HASH MARK 3 FEET IN LENGTH, SITUATED 6 INCHES BEYOND (BUT NOT TOUCHING) THE FIELD OF PLAY AND 33 FEET FROM THE TOUCH LINE SHALL BE MARKED PERPENDICULAR TO THE GOAL LINE AT EACH CORNER OF THE FIELD.
9. A FLAG ON A POST NOT LESS THAN 5 FEET HIGH AND HAVING A NONPOINTED TOP SHALL BE PLACED AT EACH CORNER; A SIMILAR FLAGPOST MAY BE PLACED OPPOSITE THE HALFWAY LINE ON EACH SIDE OF THE FIELD OF PLAY, AT LEAST 3 FEET OUTSIDE THE TOUCH LINE.
10. THE STAFF OF POST SHALL BE APPROXIMATELY 1 1/2" THICK AND MAY BE EITHER ROUND OR SQUARE. THE CORNER FLAG MAY NOT BE REMOVED FOR ANY PURPOSE DURING THE GAME. THE FLAG SHALL BE OF SOME BRIGHT COLOR, EASILY DISTINGUISHABLE FROM THE SURROUNDINGS, AND SHALL BE ABOUT 2 FEET LONG BY 1 FOOT WIDE AND SECURELY FASTENED TO THE POST OR STAFF. THE FLAGPOST SHALL BE IMPLANTED IN THE GROUND OR SHALL RISE FROM A PYLON THAT MEASURES NOT MORE THAN 8 INCHES ACROSS AT ITS BASE, PROVIDING THE POST ITSELF RISES DIRECTLY ABOVE THE CENTER OF THE INTERSECTION OF THE TOUCH LINE AND GOAL LINE.
11. SEE GOALS SECTION OF SPECS FOR GOAL DETAILS.
12. SEE GOAL NETS SECTION OF SPECS FOR GOAL NET DETAILS.
13. THERE SHALL BE A COACHING AND TEAM AREA. TEAM BENCHES SHALL BE ON THE SAME SIDE OF THE FIELD, SEPARATED BY A 30 FOOT NEUTRAL ZONE, AND SHALL BE AT LEAST 10 FEET FROM THE TOUCH LINE.
14. EACH COACHING AND TEAM AREA SHALL BE MARKED PARALLEL TO THE TOUCH LINE AND SITUATED AT LEAST 10 FEET FROM THE TOUCH LINE AND EXTENDING 60 FEET FROM THE 15 FOOT NEUTRAL ZONE MEASURED FROM THE HALFWAY LINE IN BOTH DIRECTIONS.
15. THERE SHALL BE A DESIGNATED PHOTOGRAPHERS AREA. SEE PLAN FOR DIMENSIONS.
16. SEE SCOREBOARD AND CLOCK SECTION OF SPECS.
17. SEE SITE GRADING PLAN FOR GRADING DETAILS.



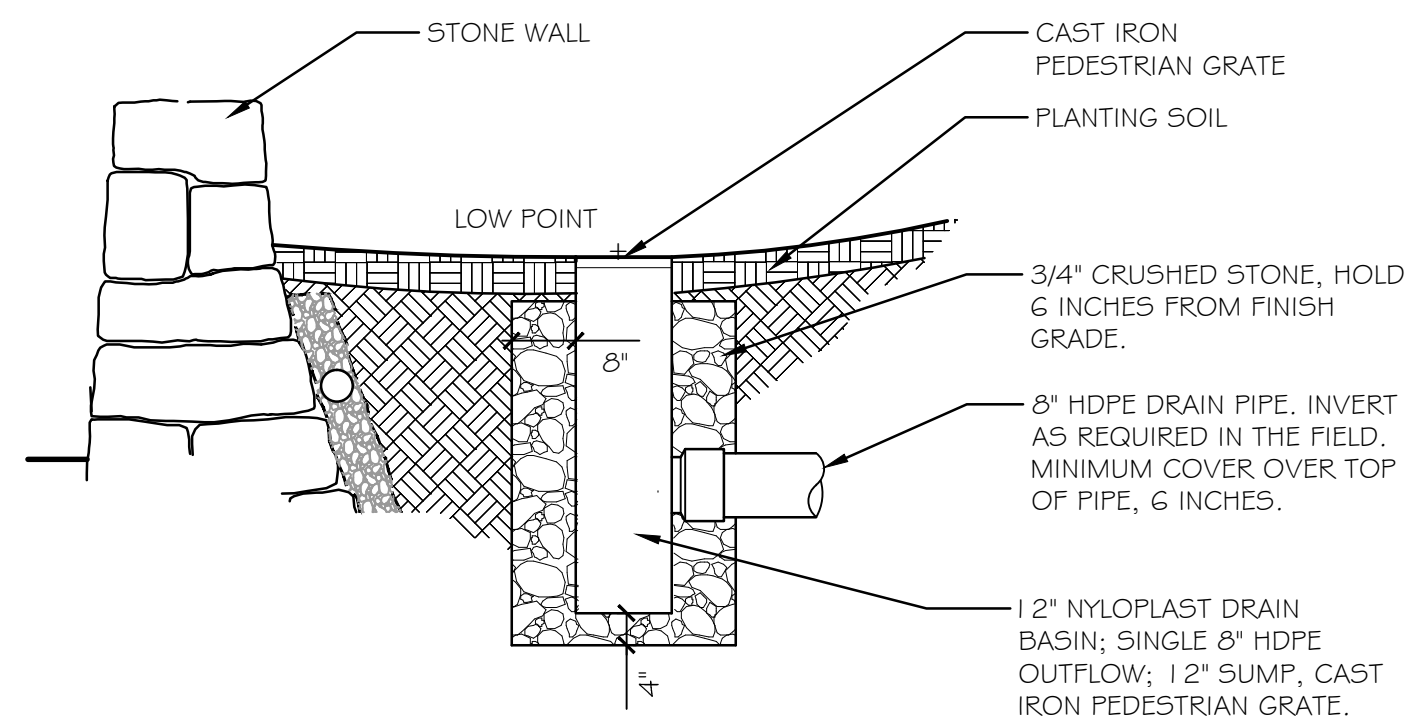
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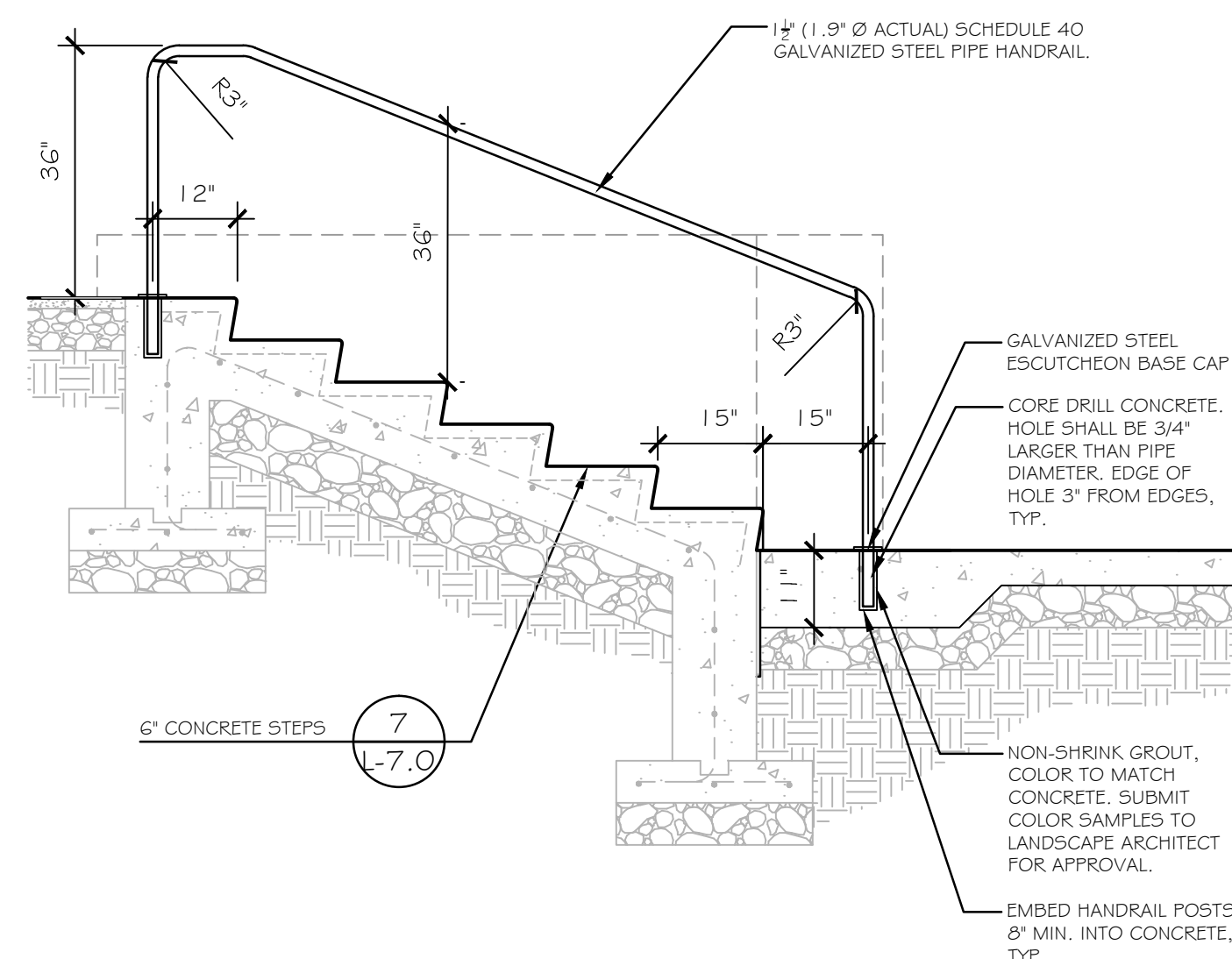


MULTI-USE FIELD LAYOUT PLAN - SOCCER

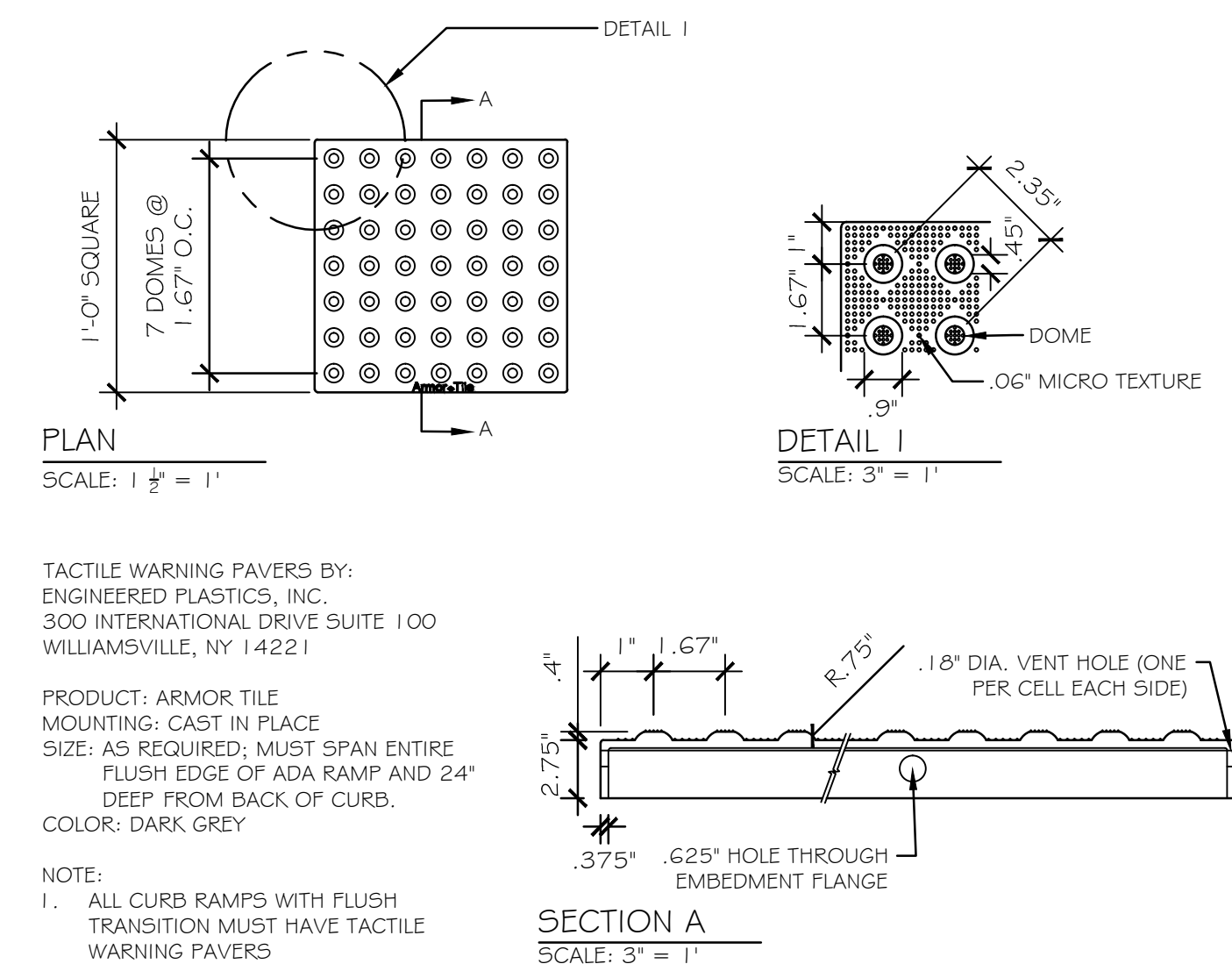
Scale	1" = 20'
Date	December 23, 2016
K+F Project No.	2015016
Drawing No.	



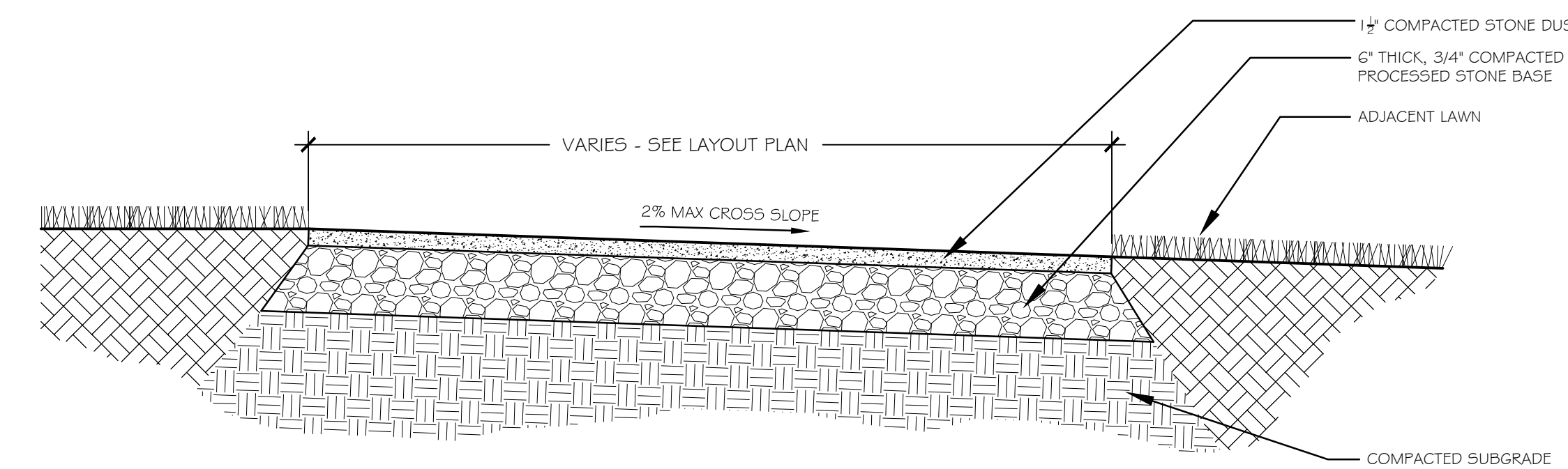
11 12" AREA DRAIN
NTS P-2015-016-VETF-165



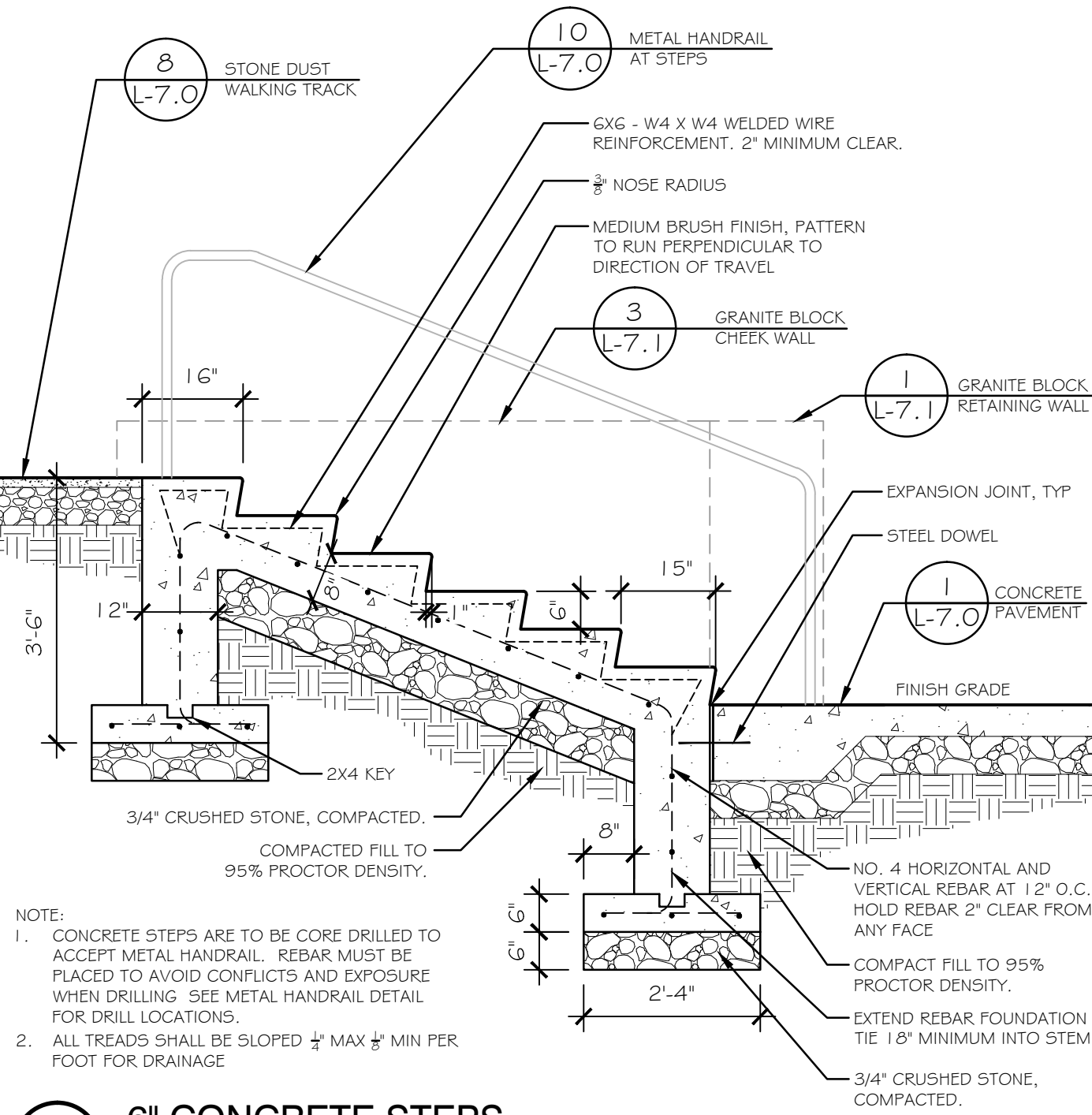
10 METAL HANDRAIL AT STEPS
NTS P-2015-016-VETF-126



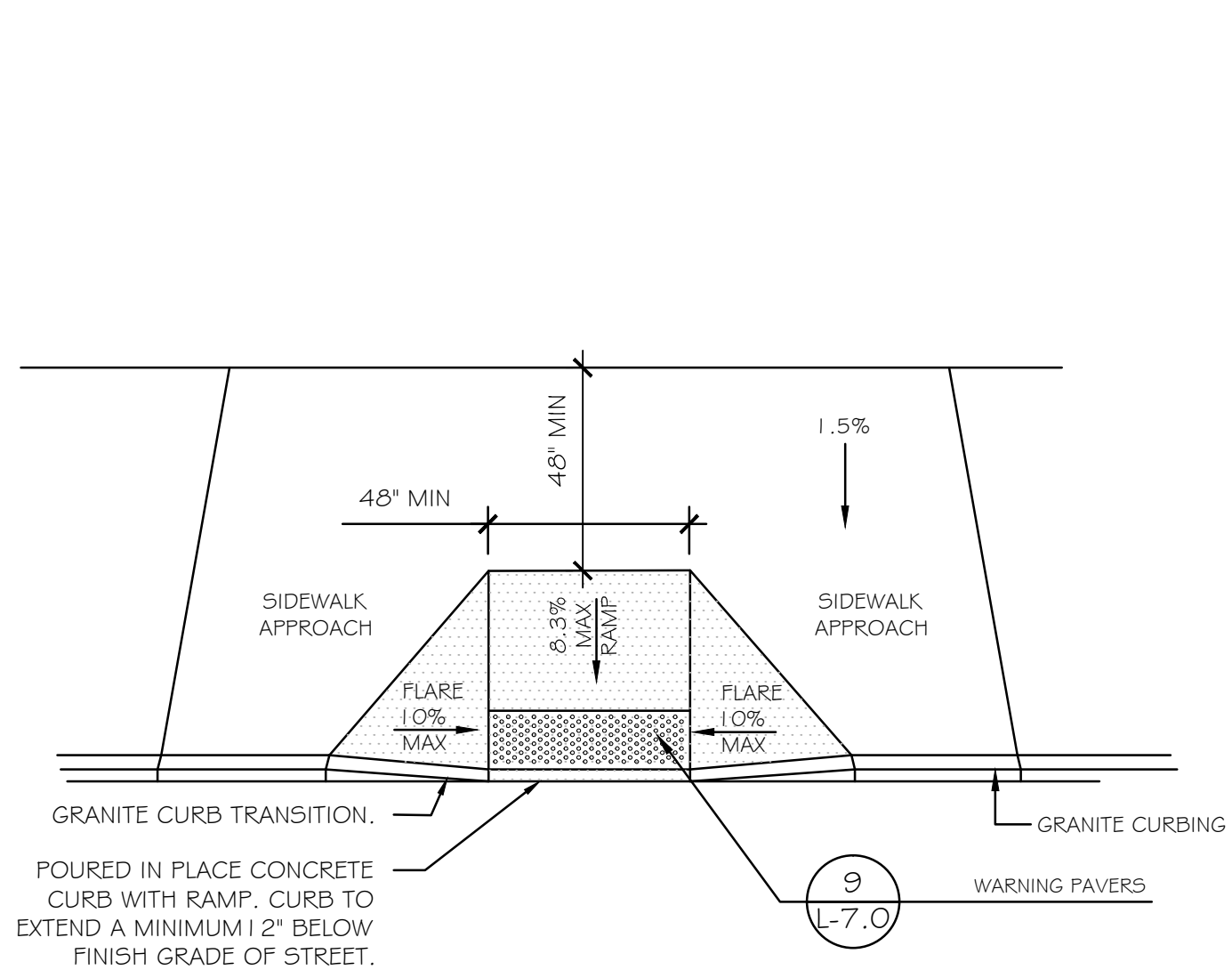
9 WARNING PAVERS
NTS P-2015-016-VETF-70



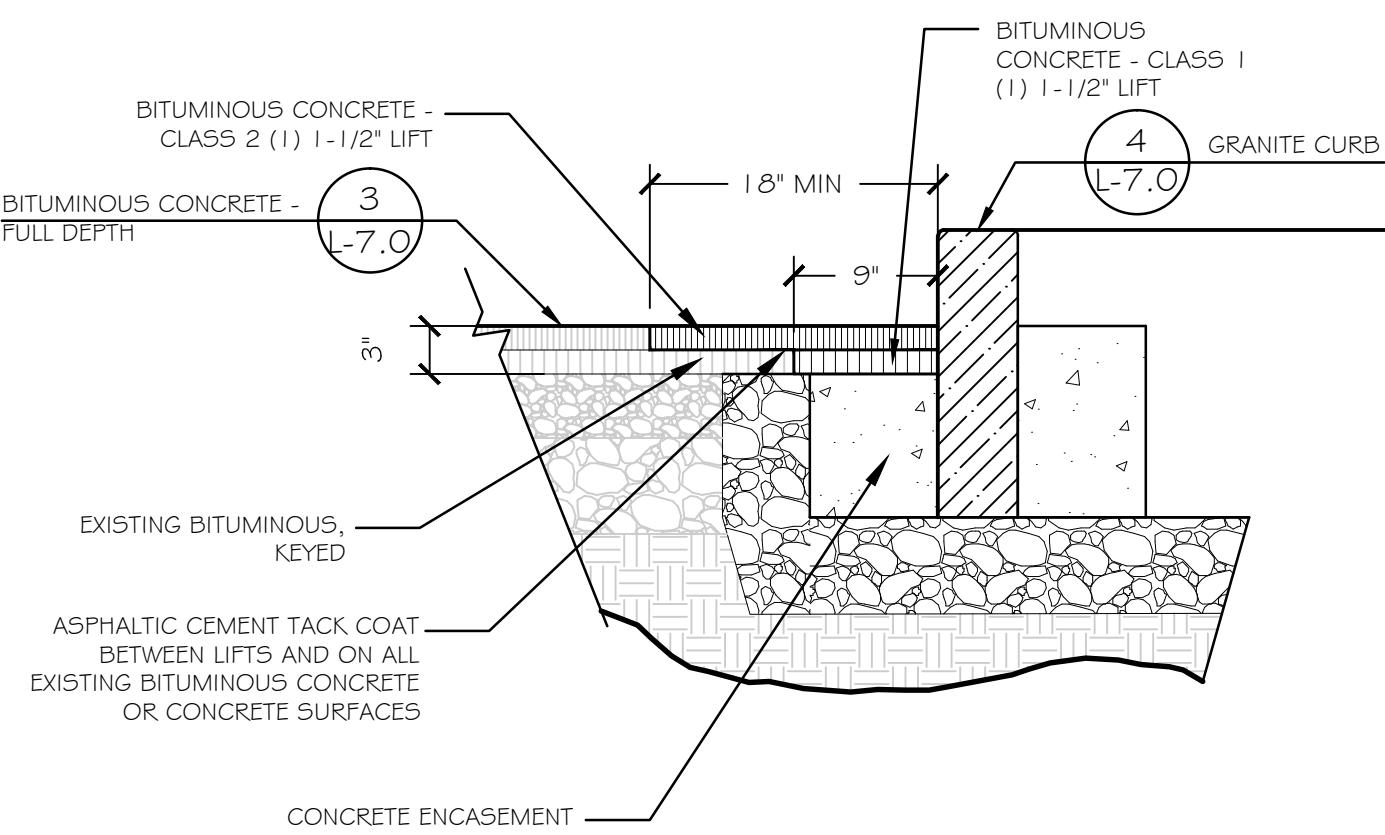
8 STONE DUST WALKING TRACK
NTS P-2015-016-VETF-99



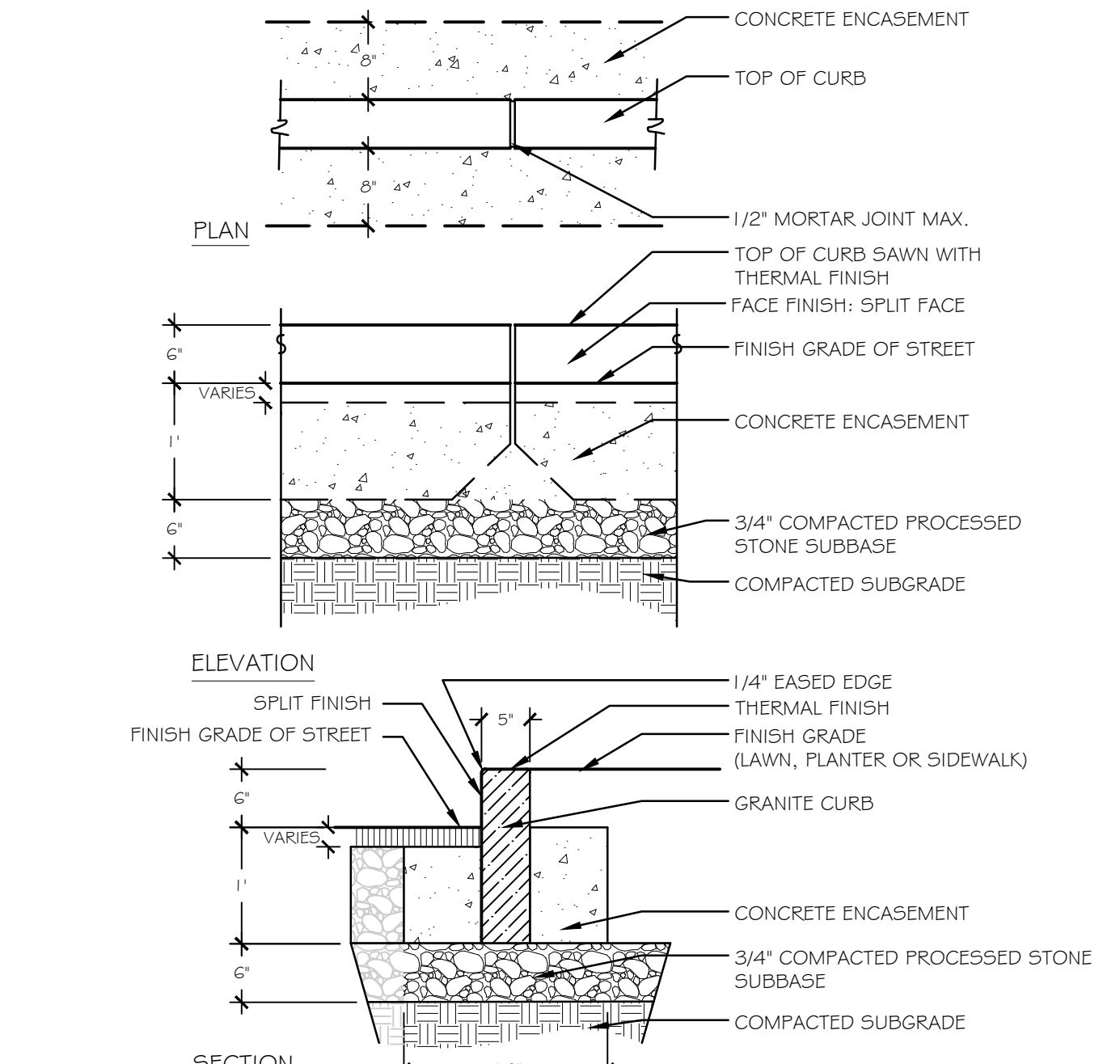
7 6" CONCRETE STEPS
NTS P-2015-016-VETF-101



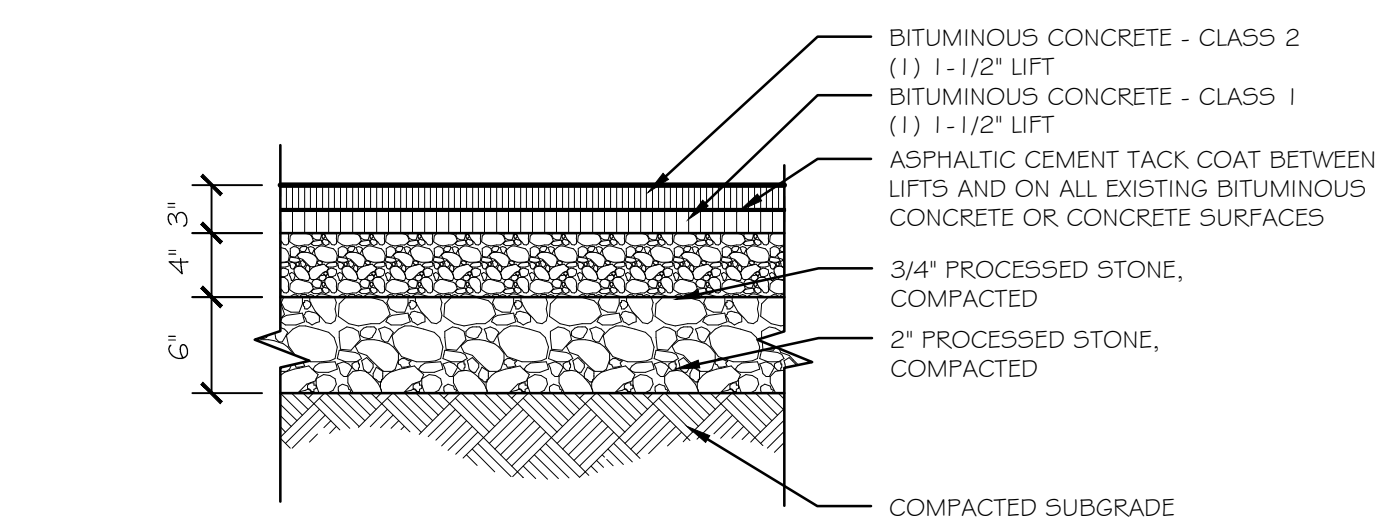
6 PERPENDICULAR RAMP (TYPE 2)
NTS P-2015-016-VETF-140



5 ROADWAY ASPHALT PATCH AT GRANITE CURB
NTS P-2015-016-VETF-162

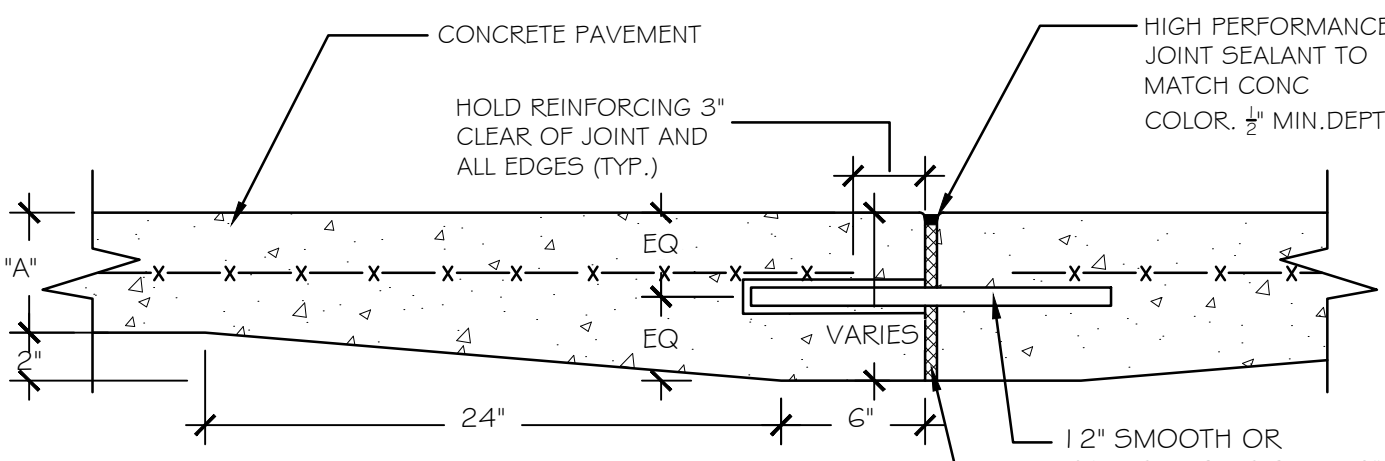


4 GRANITE CURB
NTS P-2015-016-VETF-12

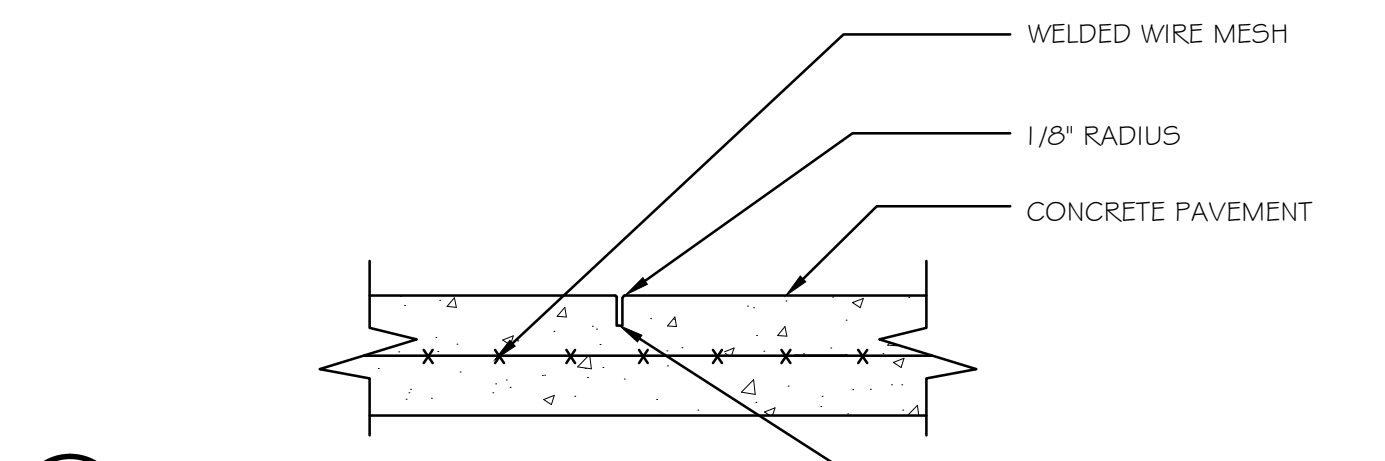


NOTE:
1. EXISTING ASPHALT SHALL BE MILLED TO A 2" DEPTH. REMOVE ANY ADDITIONAL UNSOUND BITUMINOUS CONCRETE BELOW THIS DEPTH AND REPLACE WITH A FULLY COMPACTED CLASS 1 BITUMINOUS CONCRETE LEVELING COURSE SET TO THE MILLED SURFACE ELEVATION.
2. APPLY ASPHALTIC CEMENT TACK COAT TO ALL SURFACES AND BETWEEN ASPHALT LIFTS. USE CAUTION WHEN APPLYING TACK COAT. DO NOT APPLY TO SURFACES ABOVE FINISH GRADE.
3. COMPACT STONE IN 6" MAX LIFTS TO 95% PROCTOR DENSITY

3 BITUMINOUS CONCRETE - FULL DEPTH
NTS P-2015-016-VETF-26



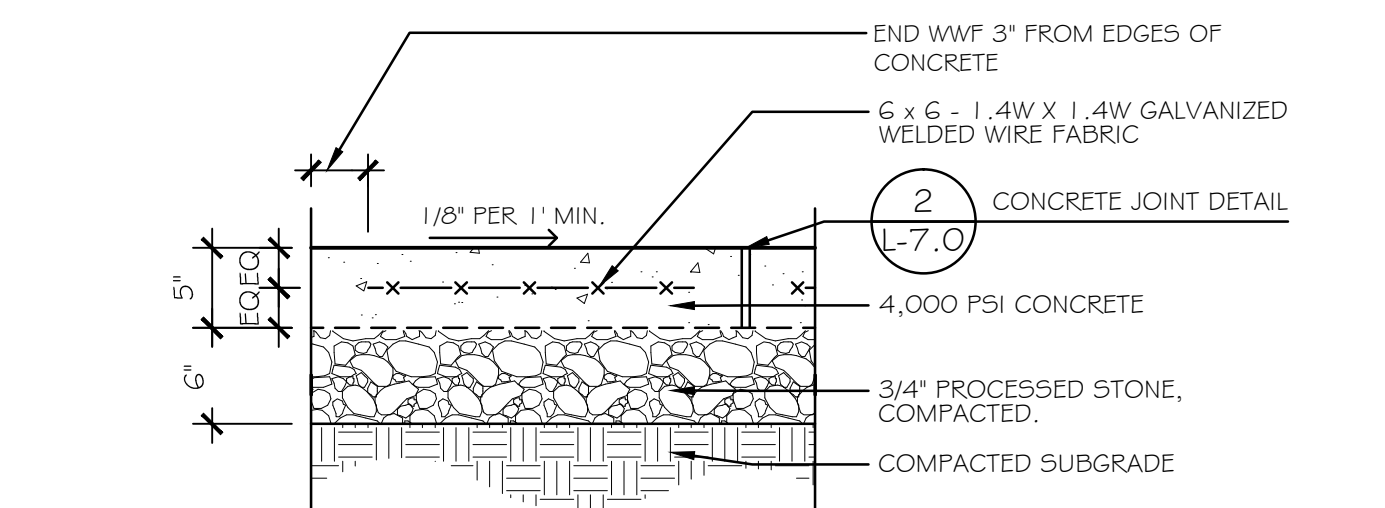
A EXPANSION JOINT
N.T.S.



B CONTROL JOINT
N.T.S.

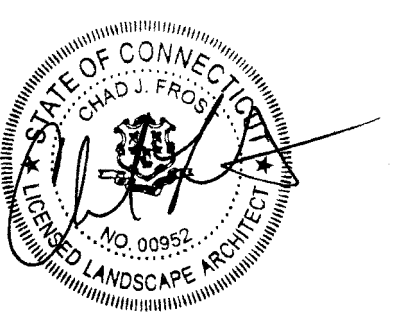
NOTES:
1. SEE EXPANSION AND CONTROL JOINT PLAN FOR LAYOUT OF JOINTS
2. INSTALL EXPANSIONS JOINTS UP TO A MAXIMUM SPACING OF 20'.
3. INSTALL FULL DEPTH 1/2" CLOSEDCELL NON-BITUMINOUS JOINT FILLER AND SEALANT WHEREVER PAVEMENT ABUTS FIXED OBJECTS (TYP.).
4. MEDIUM BRUSH FINISH PERPENDICULAR TO WALKING DIRECTION.
5. REMOVE WINDOW FRAME FROM SCORING TOOL.
6. DOWEL NEW WALKWAYS TO FOUNDATIONS AND EXISTING WALKWAYS.

2 CONCRETE JOINT DETAIL
NTS P-2015-016-VETF-05



NOTES:
1. SEE EXPANSION AND CONTROL JOINT PLAN FOR JOINT LOCATIONS
2. WALKS SHALL HAVE A 2% MAX CROSS SLOPE

1 CONCRETE PAVEMENT
NTS P-2015-016-VETF-133

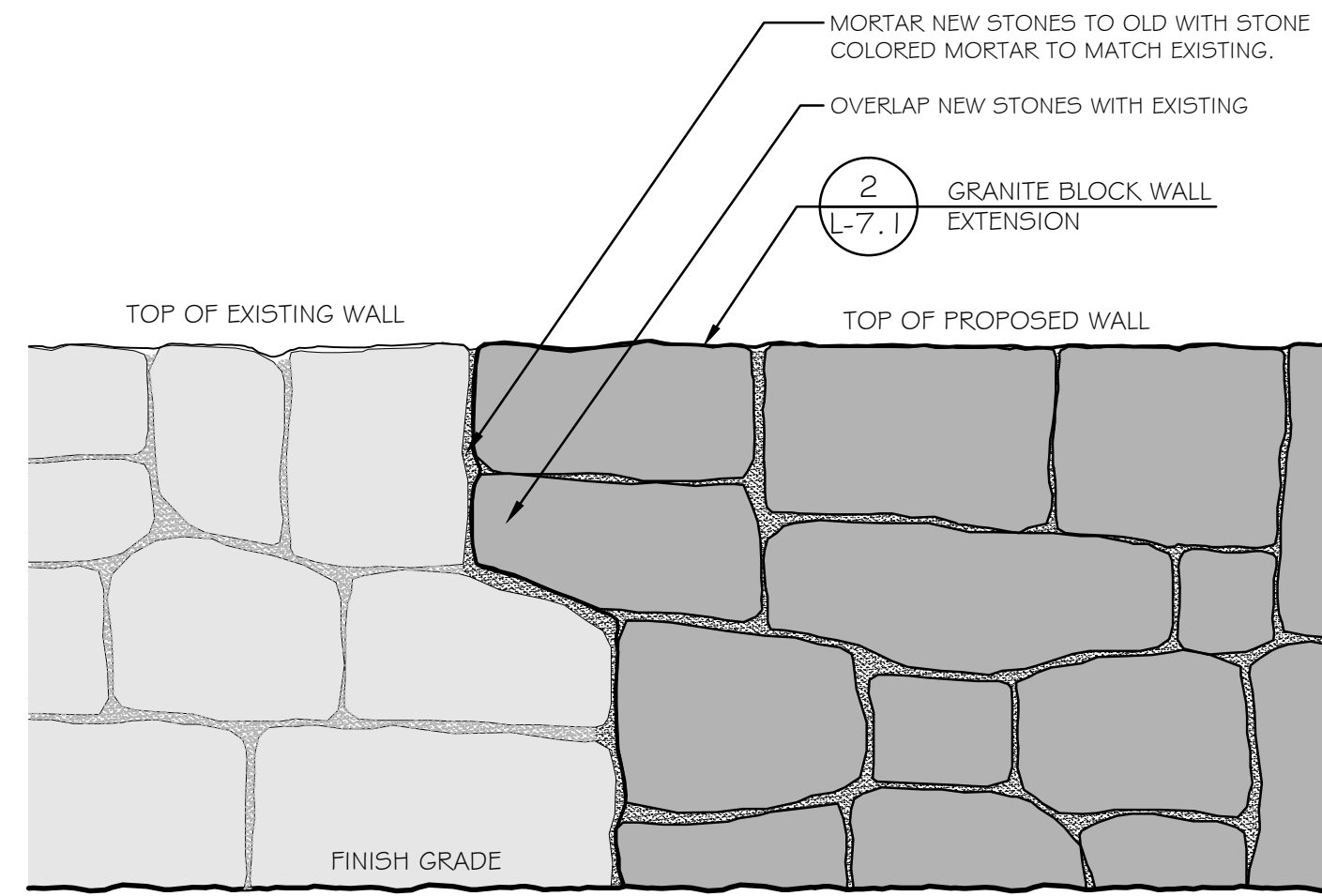


Bid Documents

Revisions	Date
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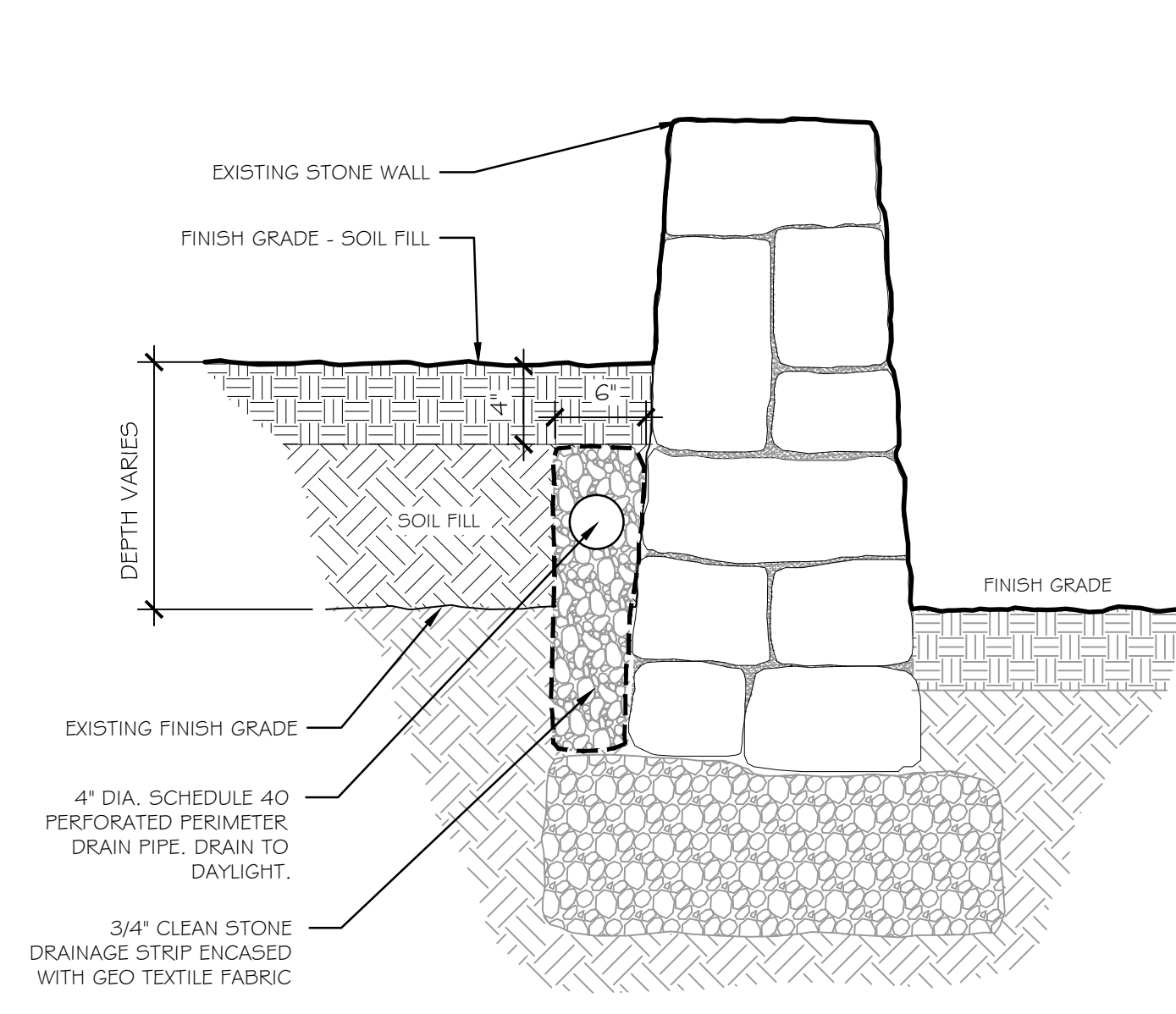
SITE DETAILS

Scale	Date
	December 23, 2016
K-F Project No.	2015016
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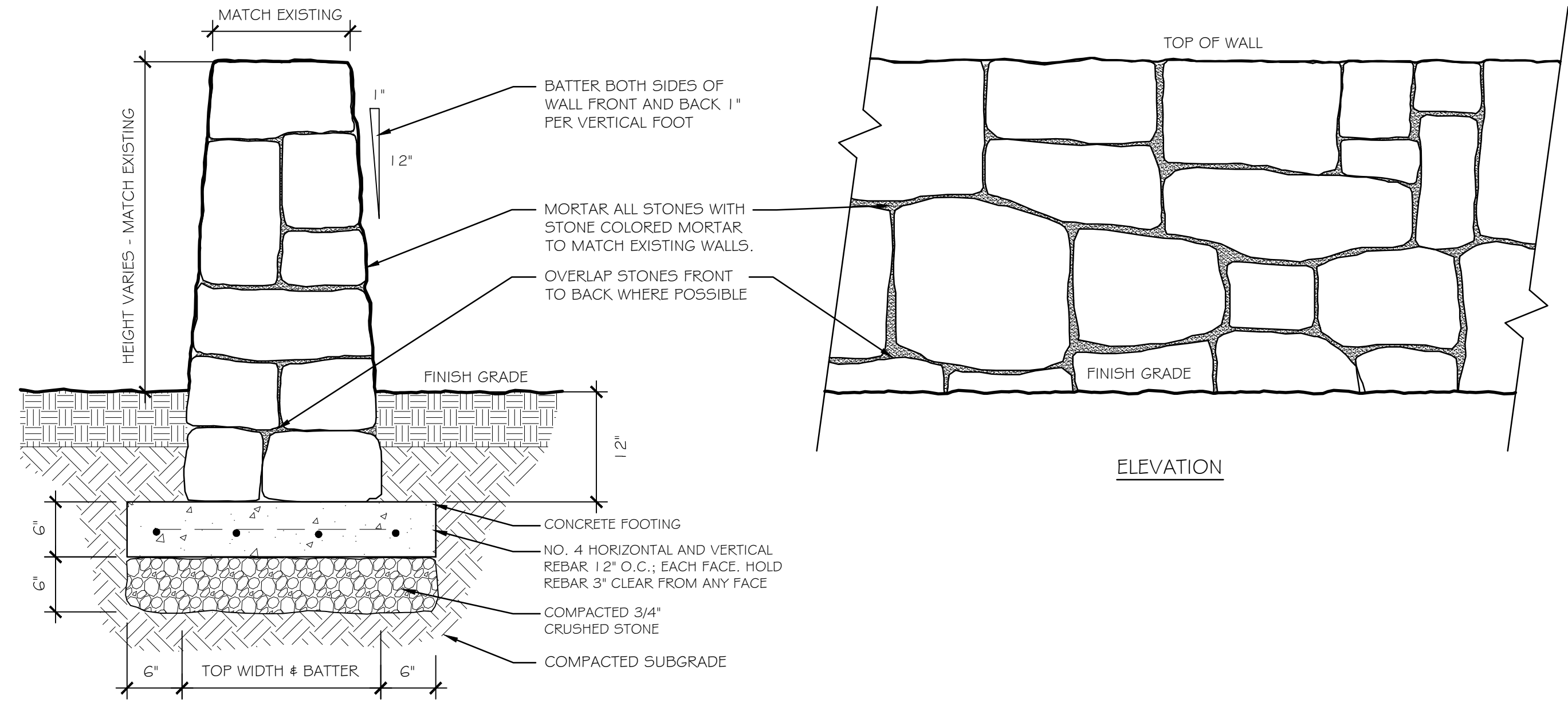
6 NEW WALL CONNECTION TO EXISTING
NTS

P-2015-016-VETF-121



4 EXISTING GRANITE BLOCK WALL WITH FILL BEHIND
NTS

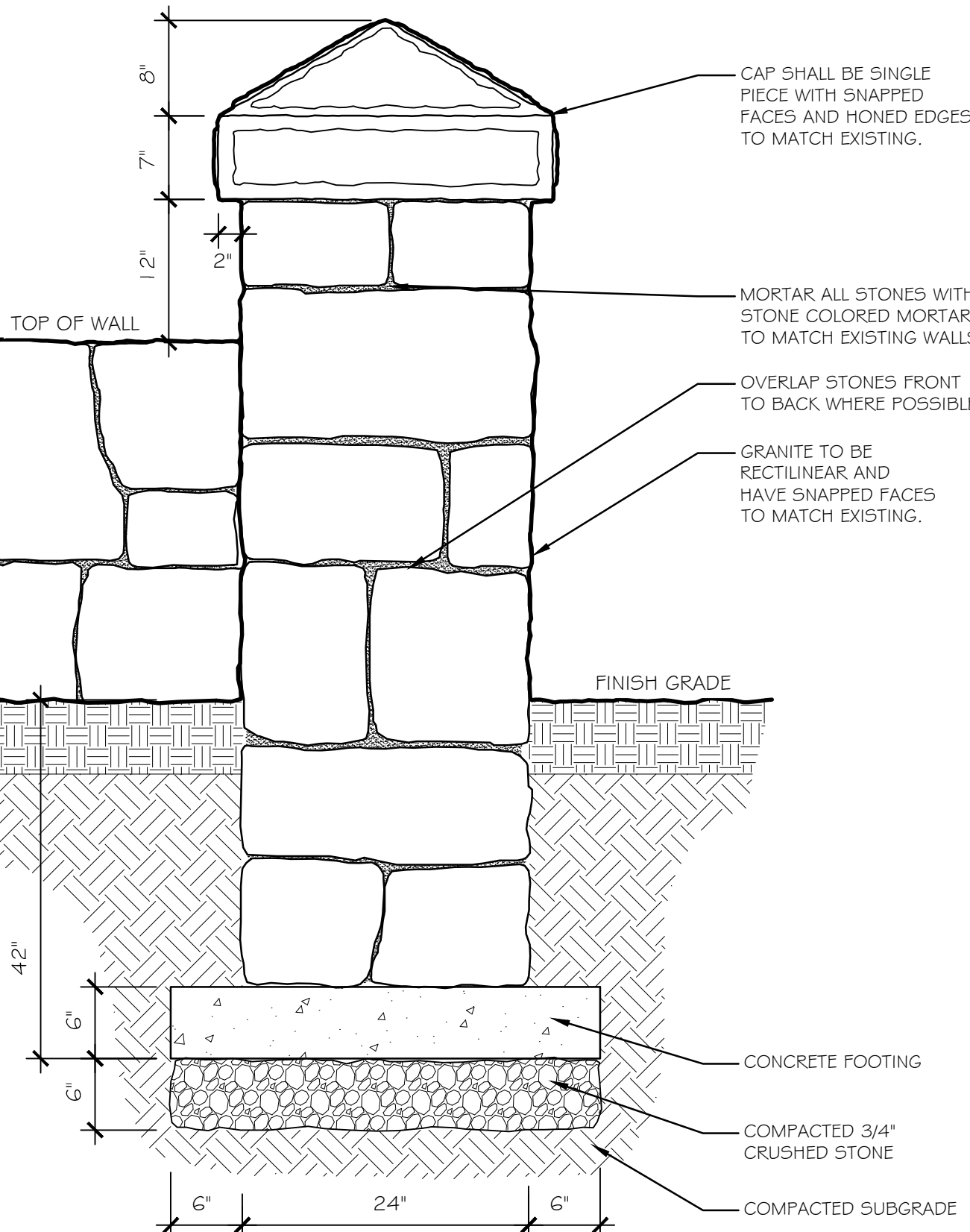
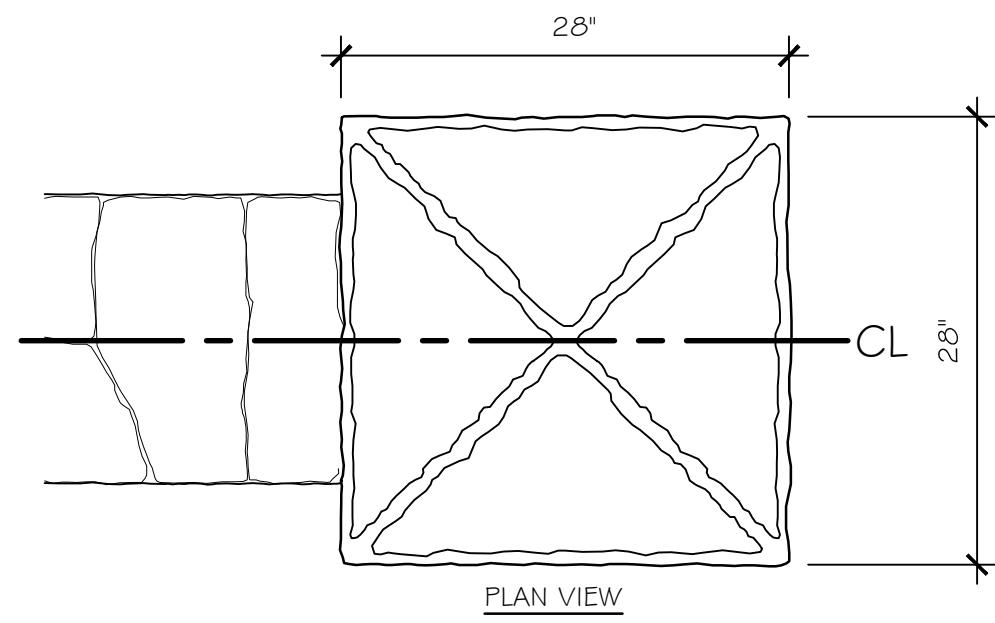
P-2015-016-VETF-120



2 GRANITE BLOCK WALL EXTENSION
NTS

P-2015-016-VETF-115

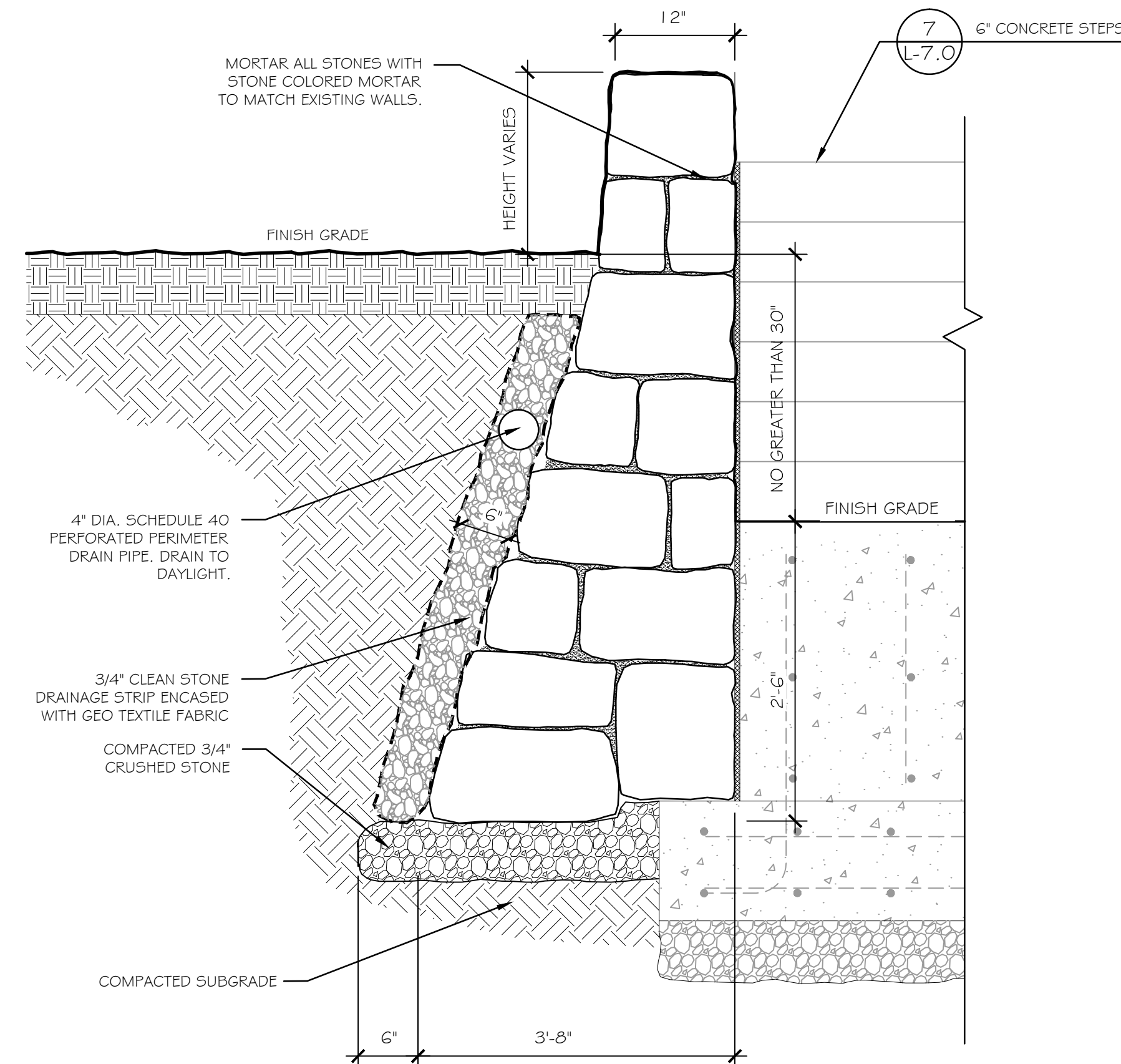
- NOTES:
1. STONE SHALL BE GRANITE
 2. STONE COLOR SHALL MATCH EXISTING WALLS
 3. STONE SHALL BE RECTILINEAR IN SHAPE AND SIZE SHOULD BE PROPORTIONATE TO STONE SIZE OF EXISTING WALLS.
 4. STONE SHALL NOT BE SAW CUT. STONE SHALL HAVE SHAPPED FACES.
 5. MORTAR SHALL MATCH MORTAR OF EXISTING WALLS.
 6. BACK OF WALL FINISH GRADE SHALL NOT BE HIGHER THAN 30\"/>



5 GRANITE BLOCK PIER
NTS

P-2015-016-VETF-116

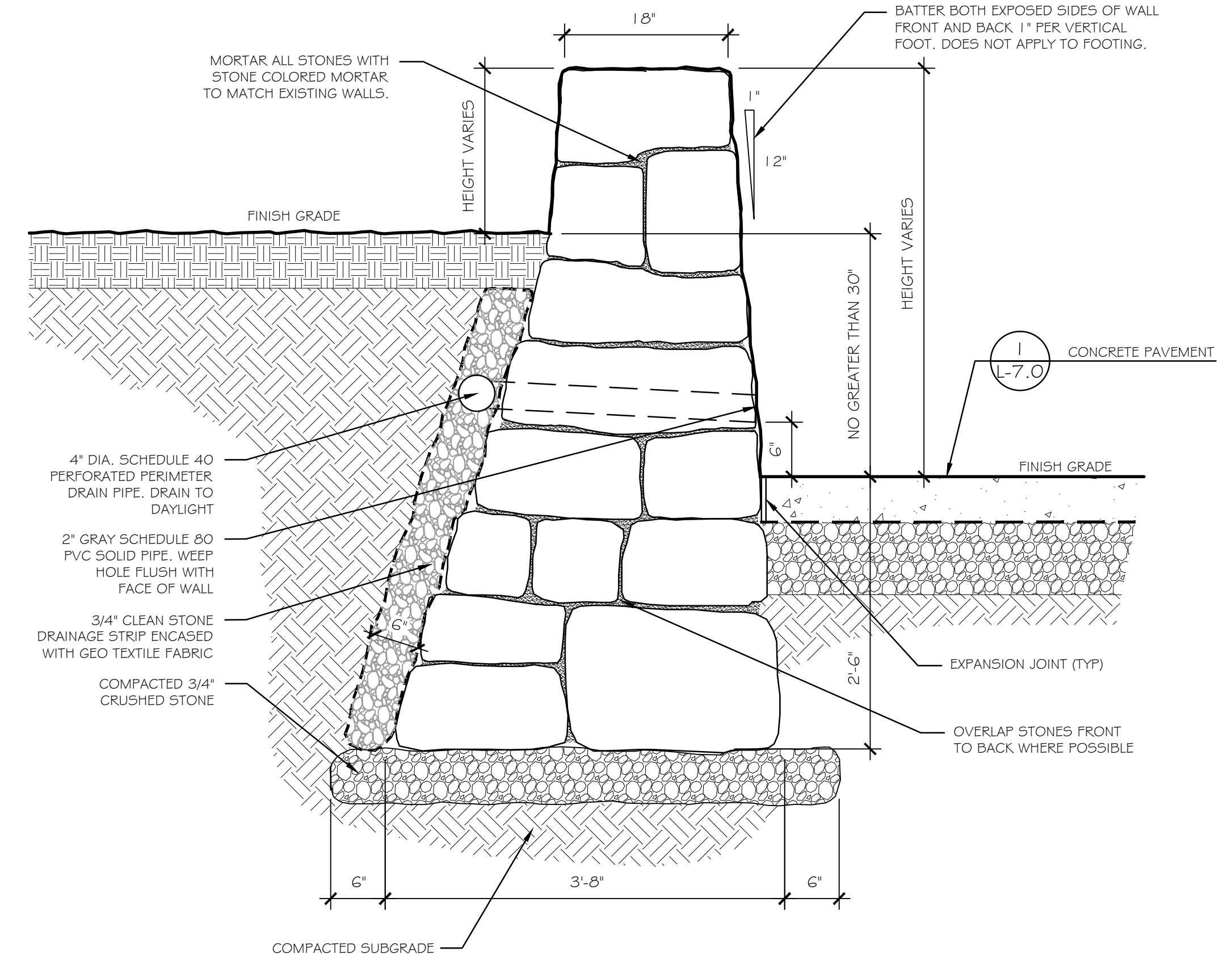
- NOTES:
1. STONE SHALL BE GRANITE
 2. STONE COLOR SHALL MATCH EXISTING WALLS
 3. STONE SHALL BE RECTILINEAR IN SHAPE AND SIZE SHOULD BE PROPORTIONATE TO STONE SIZE OF EXISTING WALLS.
 4. STONE SHALL NOT BE SAW CUT. STONE SHALL HAVE SHAPPED FACES.
 5. MORTAR SHALL MATCH MORTAR OF EXISTING WALLS.
 6. BACK OF WALL FINISH GRADE SHALL NOT BE HIGHER THAN 30\"/>



3 GRANITE BLOCK CHEEK WALL
NTS

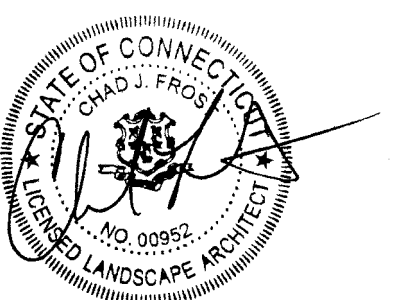
P-2015-016-VETF-106

- NOTES:
1. STONE SHALL BE GRANITE
 2. STONE COLOR SHALL MATCH EXISTING WALLS
 3. STONE SHALL BE RECTILINEAR IN SHAPE AND SIZE SHOULD BE PROPORTIONATE TO STONE SIZE OF EXISTING WALLS.
 4. STONE SHALL NOT BE SAW CUT. STONE SHALL HAVE SHAPPED FACES.
 5. MORTAR SHALL MATCH MORTAR OF EXISTING WALLS.
 6. BACK OF WALL FINISH GRADE SHALL NOT BE HIGHER THAN 30\"/>



1 GRANITE BLOCK RETAINING WALL
NTS

P-2015-016-VETF-119

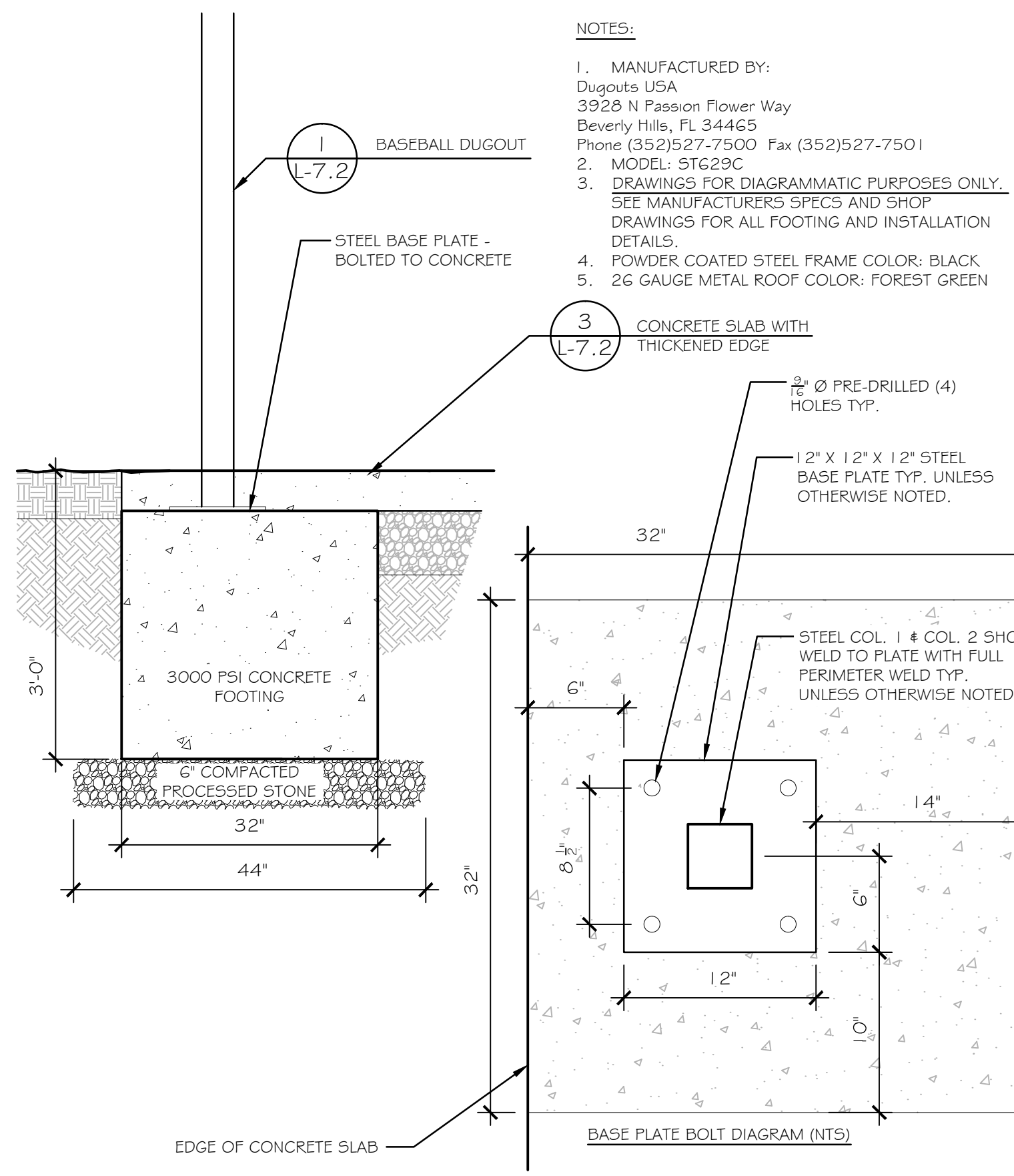


Bid Documents

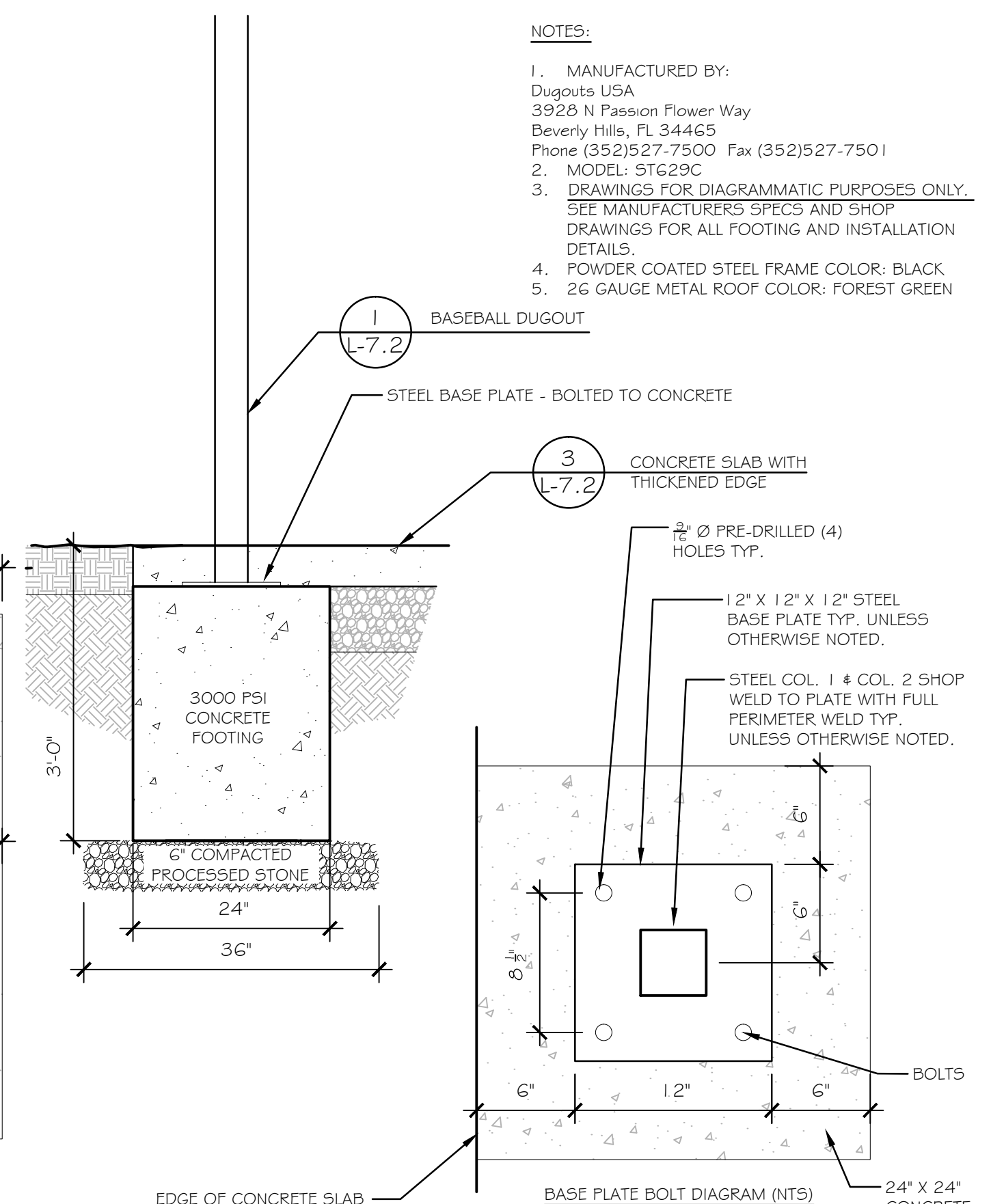
Revisions	Date
1.	
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SITE DETAILS

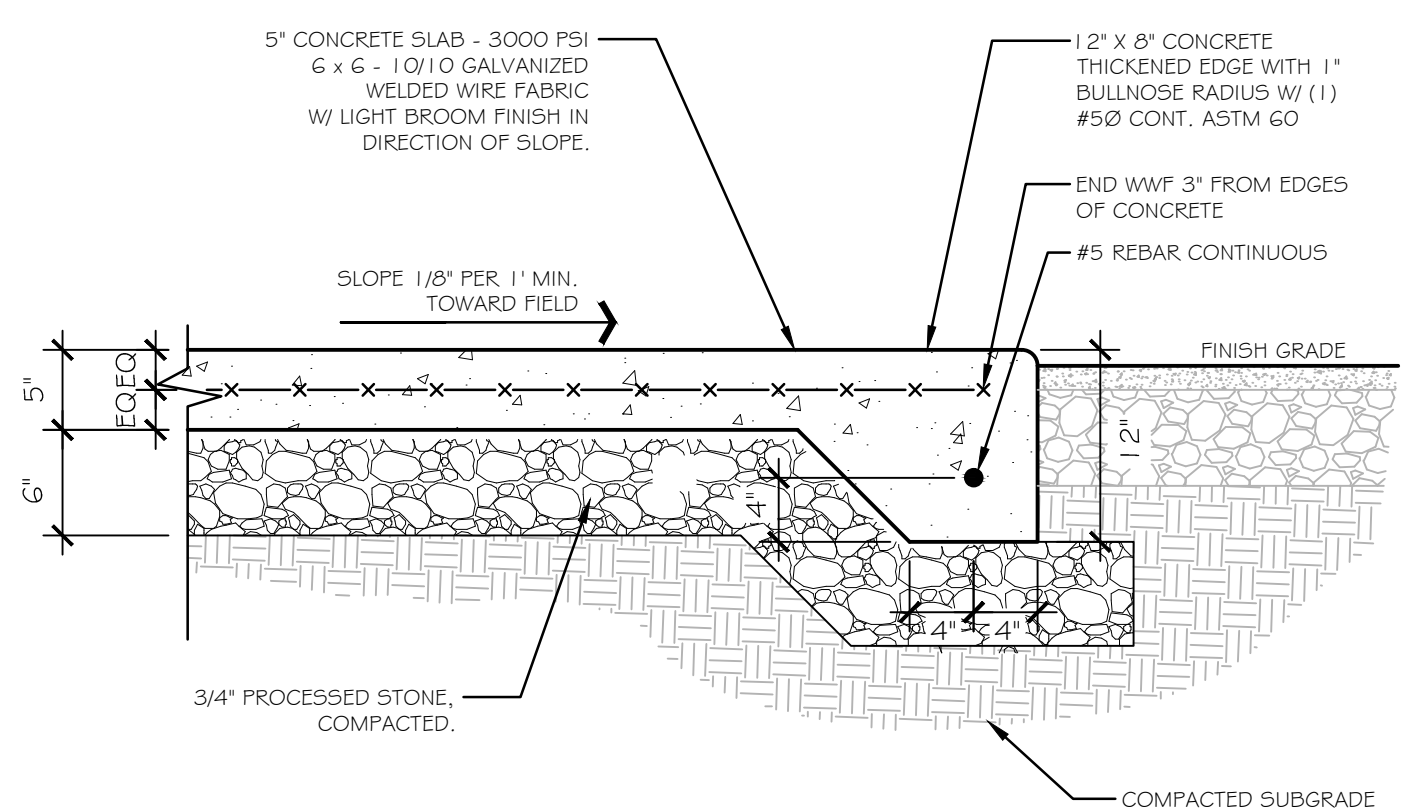
Scale	Date
	December 23, 2016
K-F Project No.	2015016
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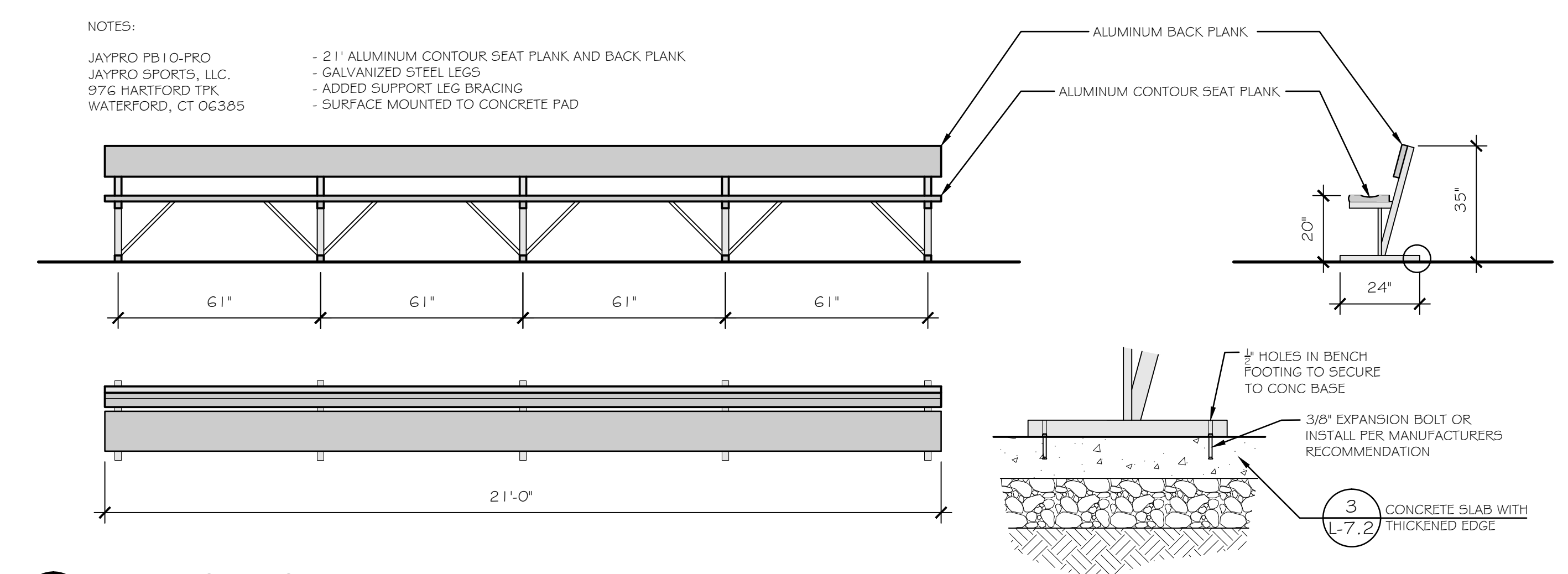
5 SQUARE FOOTING FOR COLUMN F2
NTS
P-2015-016-VETF-150



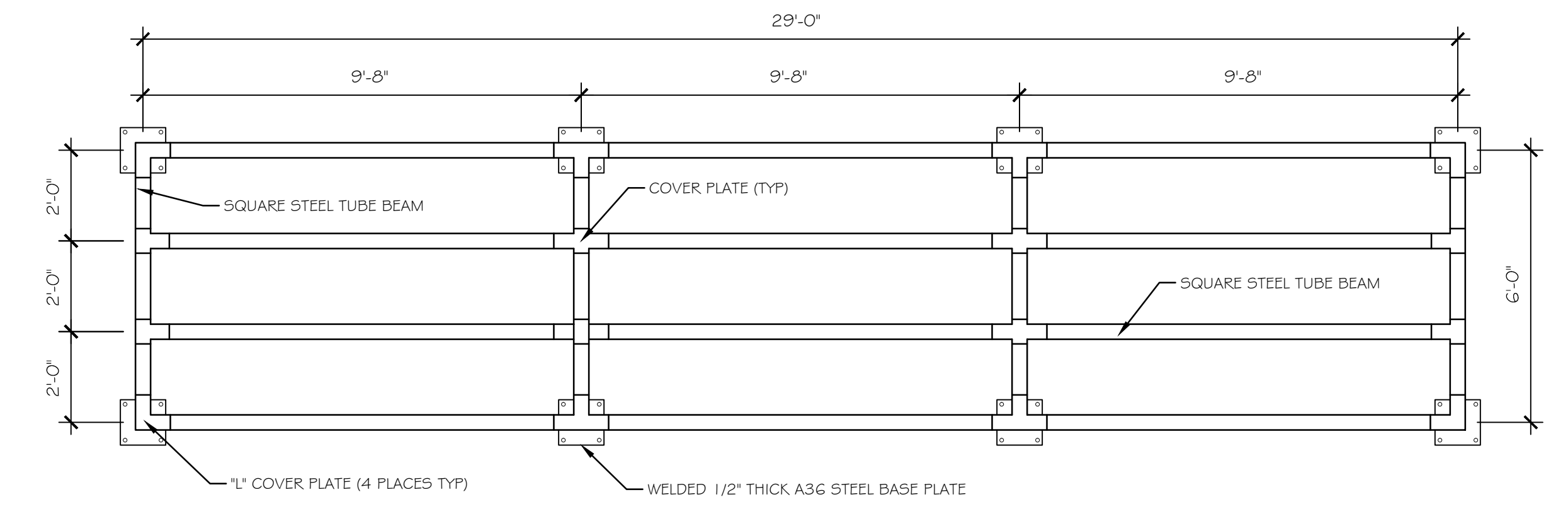
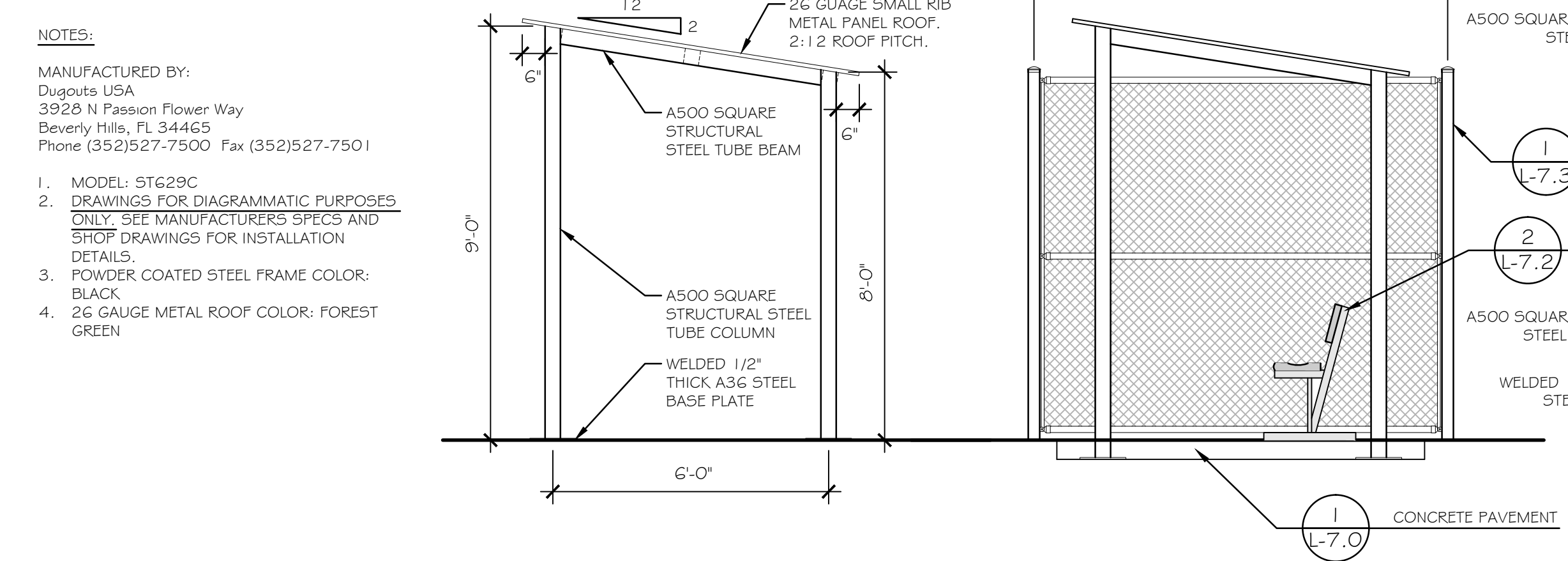
4 SQUARE FOOTING FOR COLUMN F1
NTS
P-2015-016-VETF-149



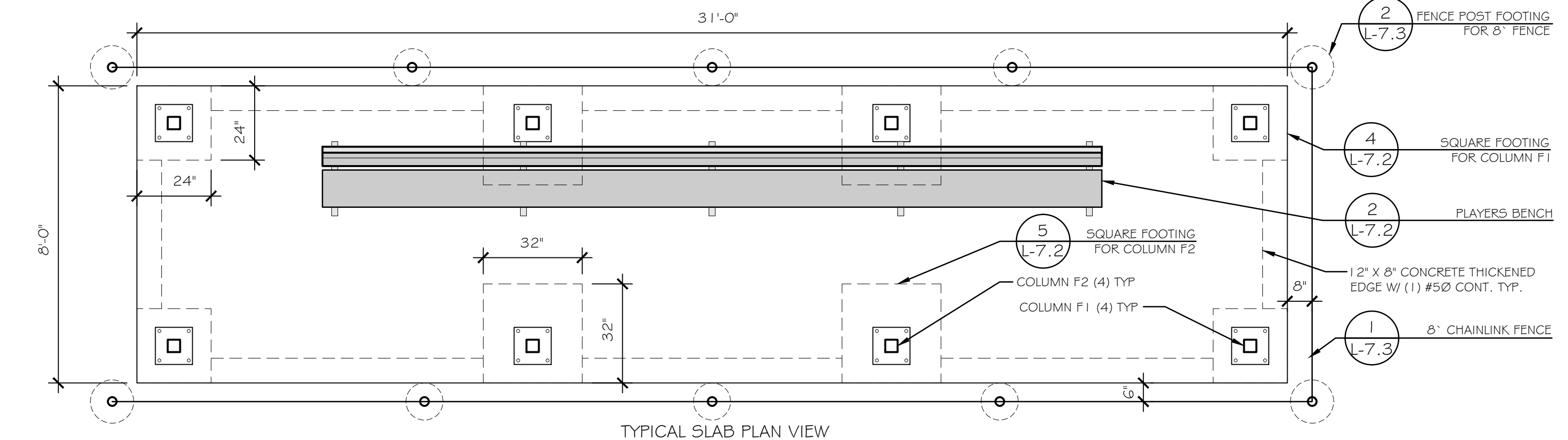
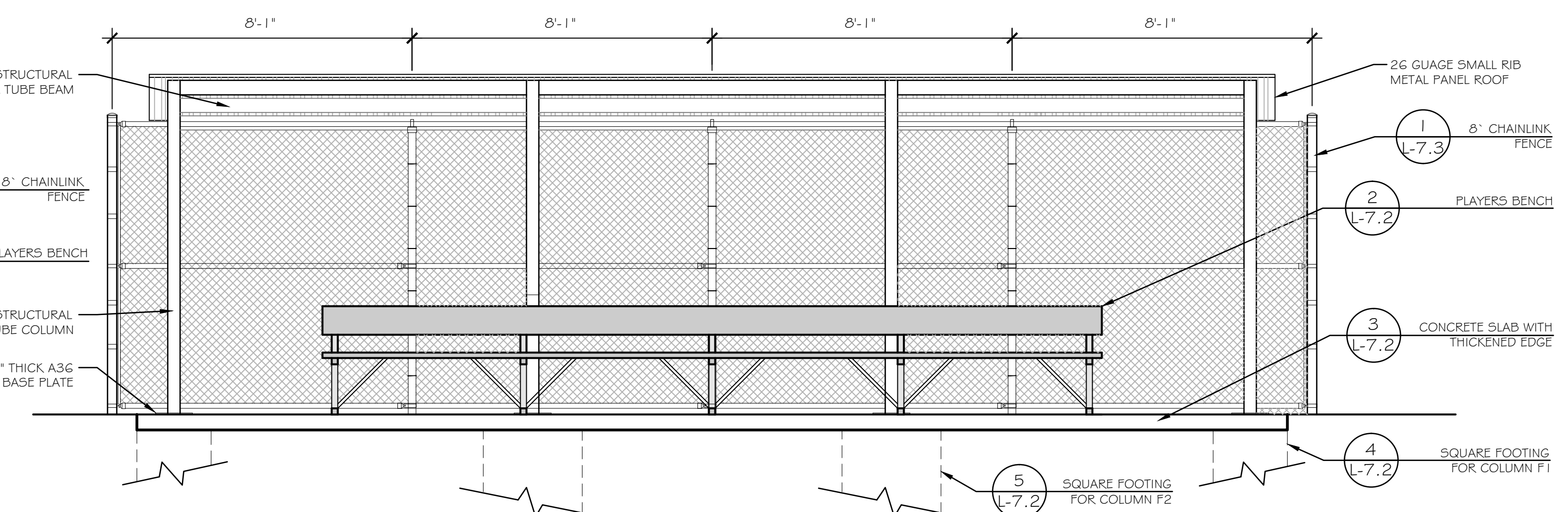
3 CONCRETE SLAB WITH THICKENED EDGE
NTS
P-2015-016-VETF-151



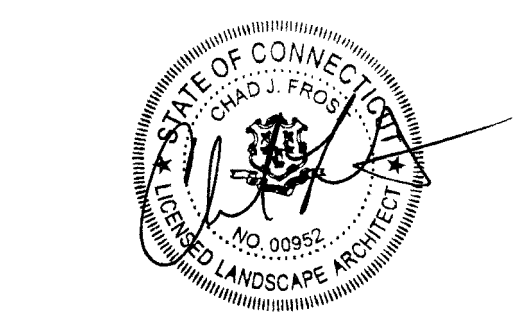
2 PLAYERS BENCH
NTS
P-2015-016-VETF-110



1 BASEBALL DUGOUT
NTS



TYPICAL SLAB PLAN VIEW

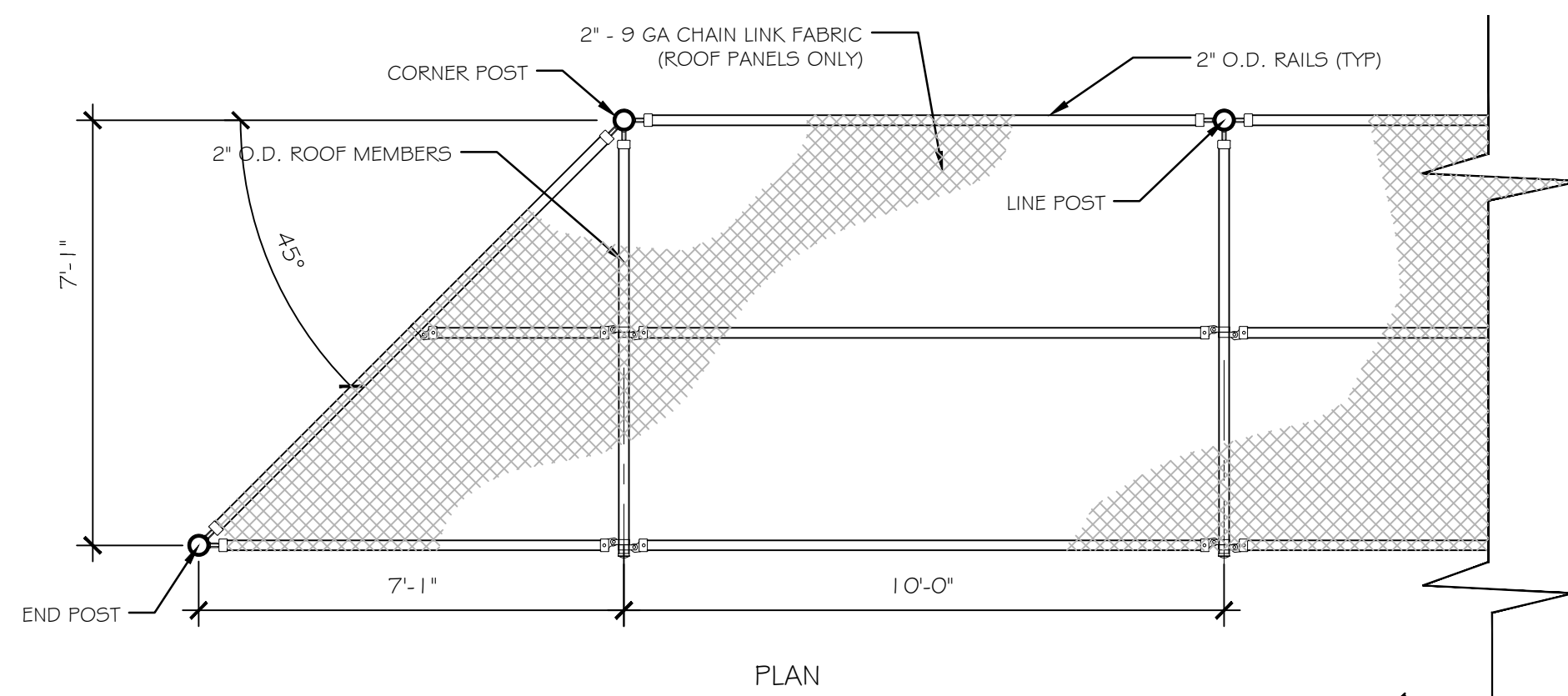
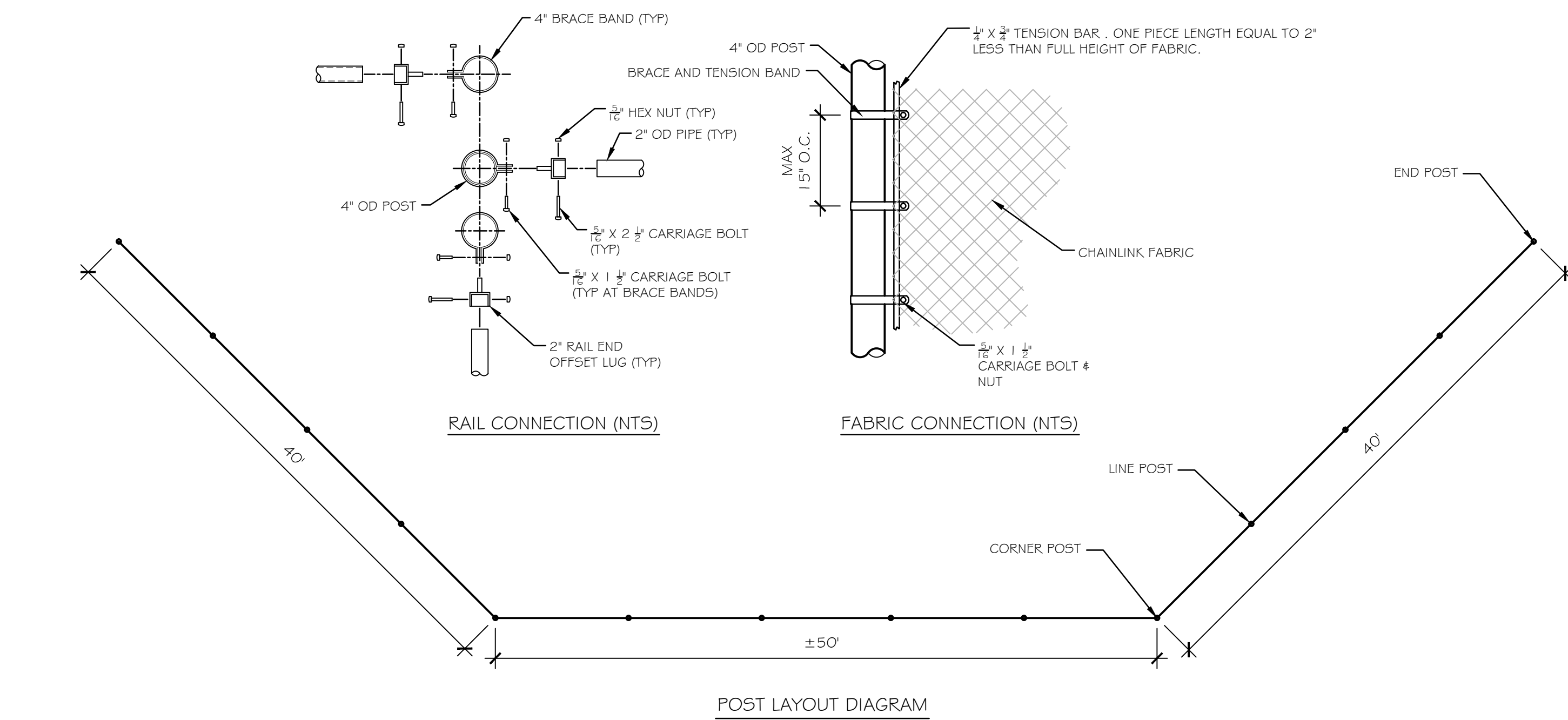


Bid Documents

Revisions	Date
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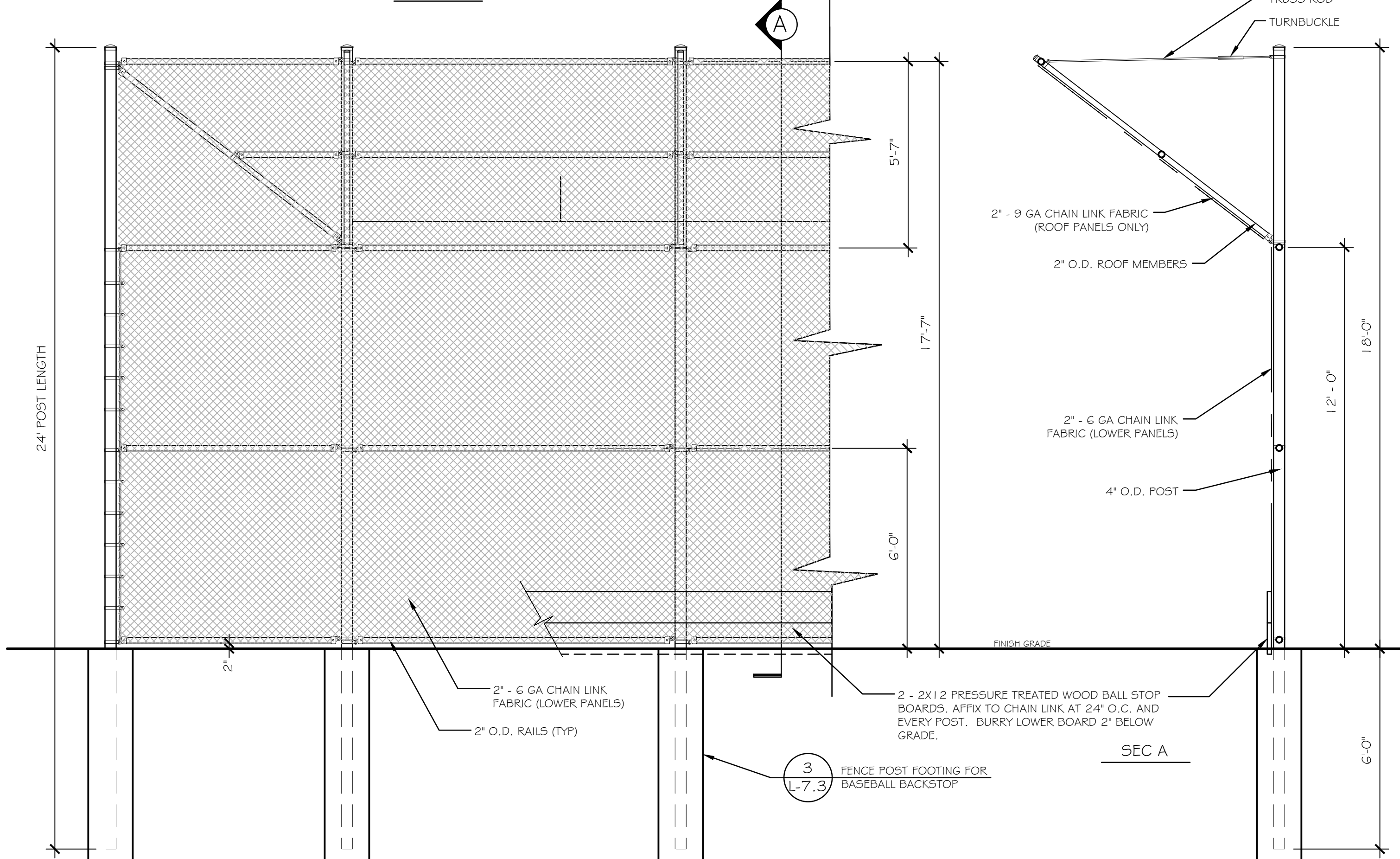
SITE DETAILS

Scale	
Date	December 23, 2016
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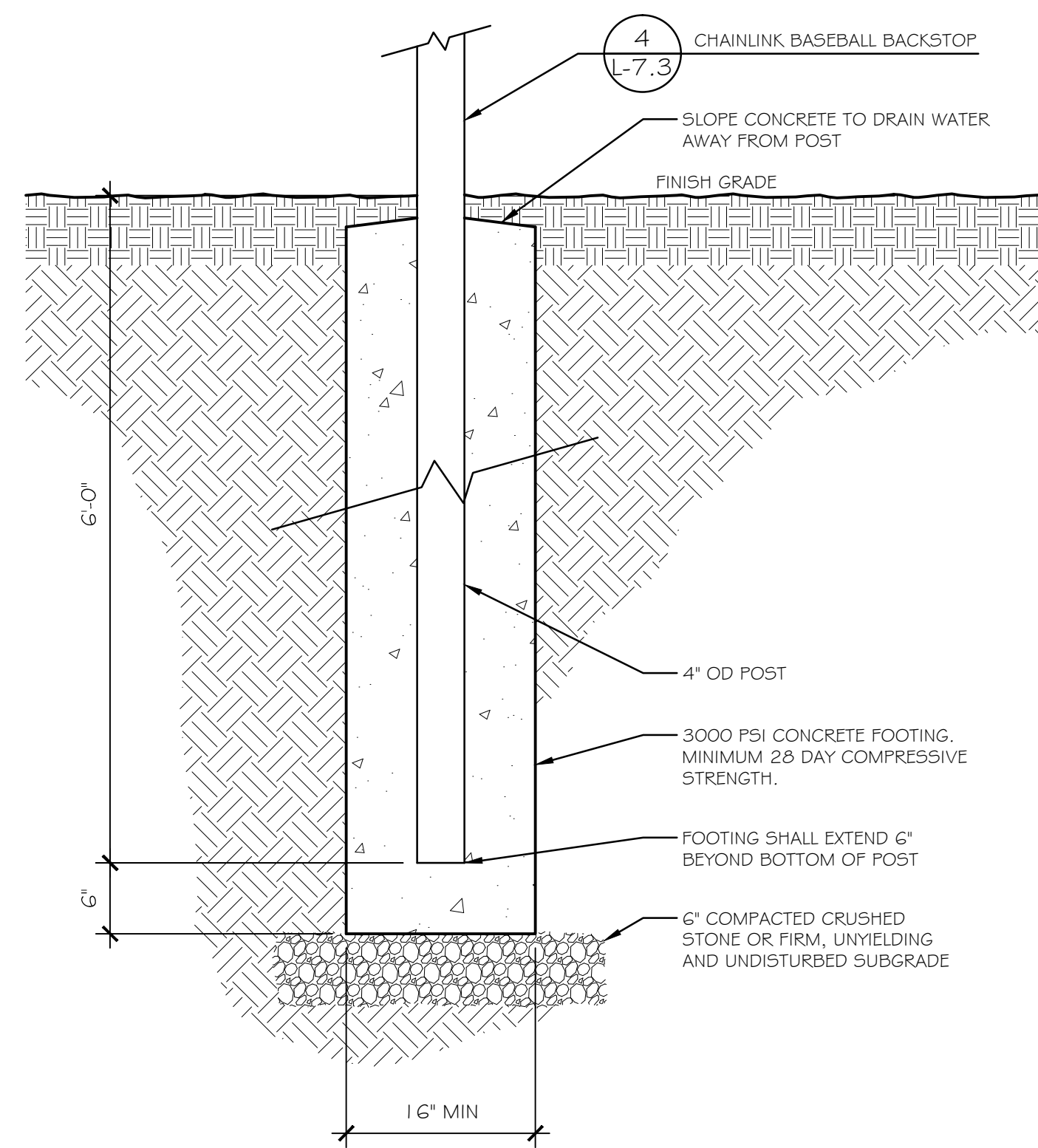
NOTES:

1. BACKSTOP FENCE DETAIL FOR REFERENCE ONLY. SEE LAYOUT PLAN FOR LENGTHS.
2. MANUFACTURER: MASTER HALCO OR COMPARABLE.
3. FOOTING WIDTH TO BE (4X POST WIDTH). FOOTING DEPTH TO BE MINIMUM 6 FEET.
4. POST SPACING SHALL NOT EXCEED 10 FEET.
5. ALL BACKSTOP FRAMEWORK, FABRIC, AND ACCESSORIES ARE TO BE BLACK PVC COATED.

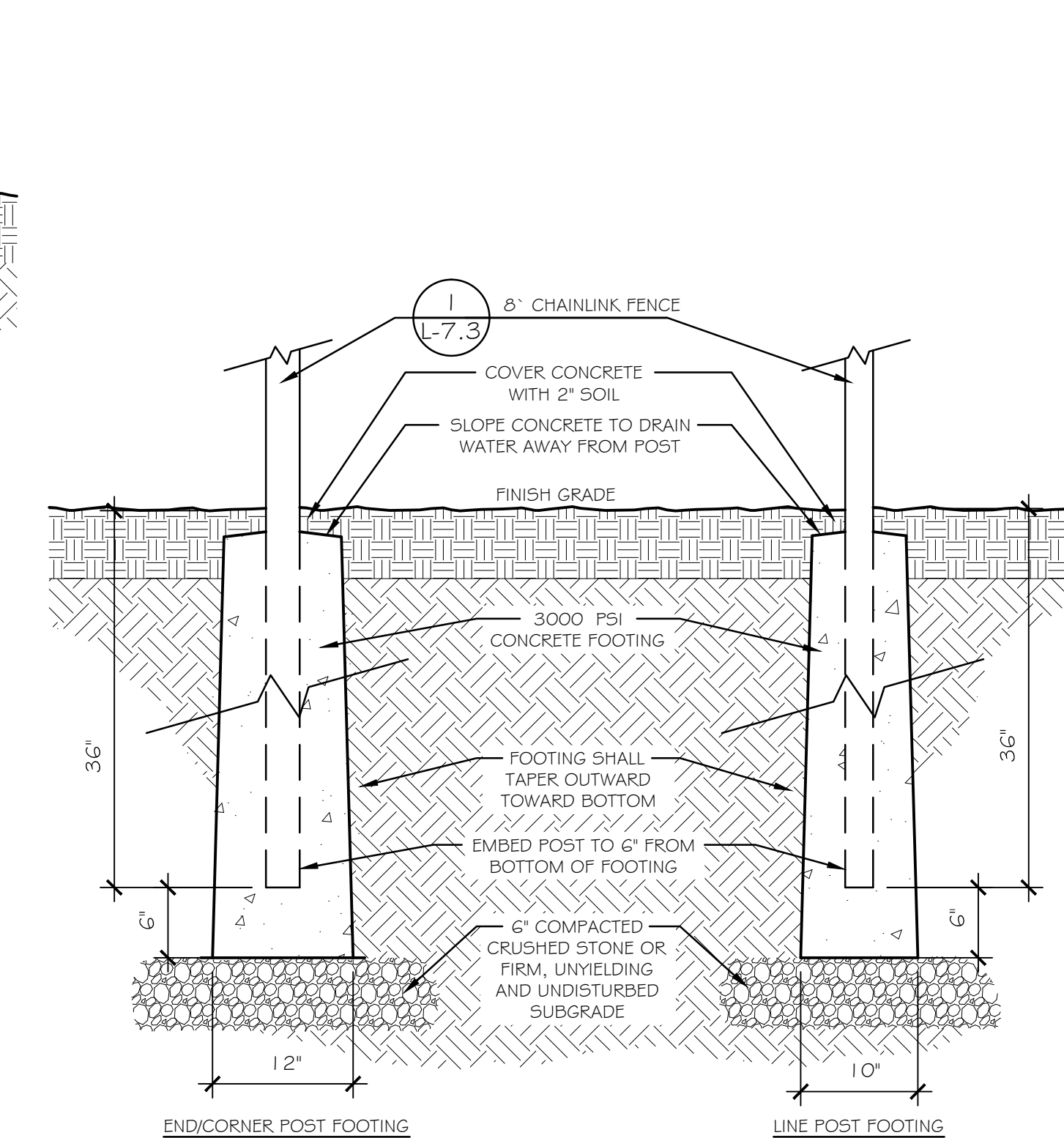


4 CHAINLINK BASEBALL BACKSTOP
NTS

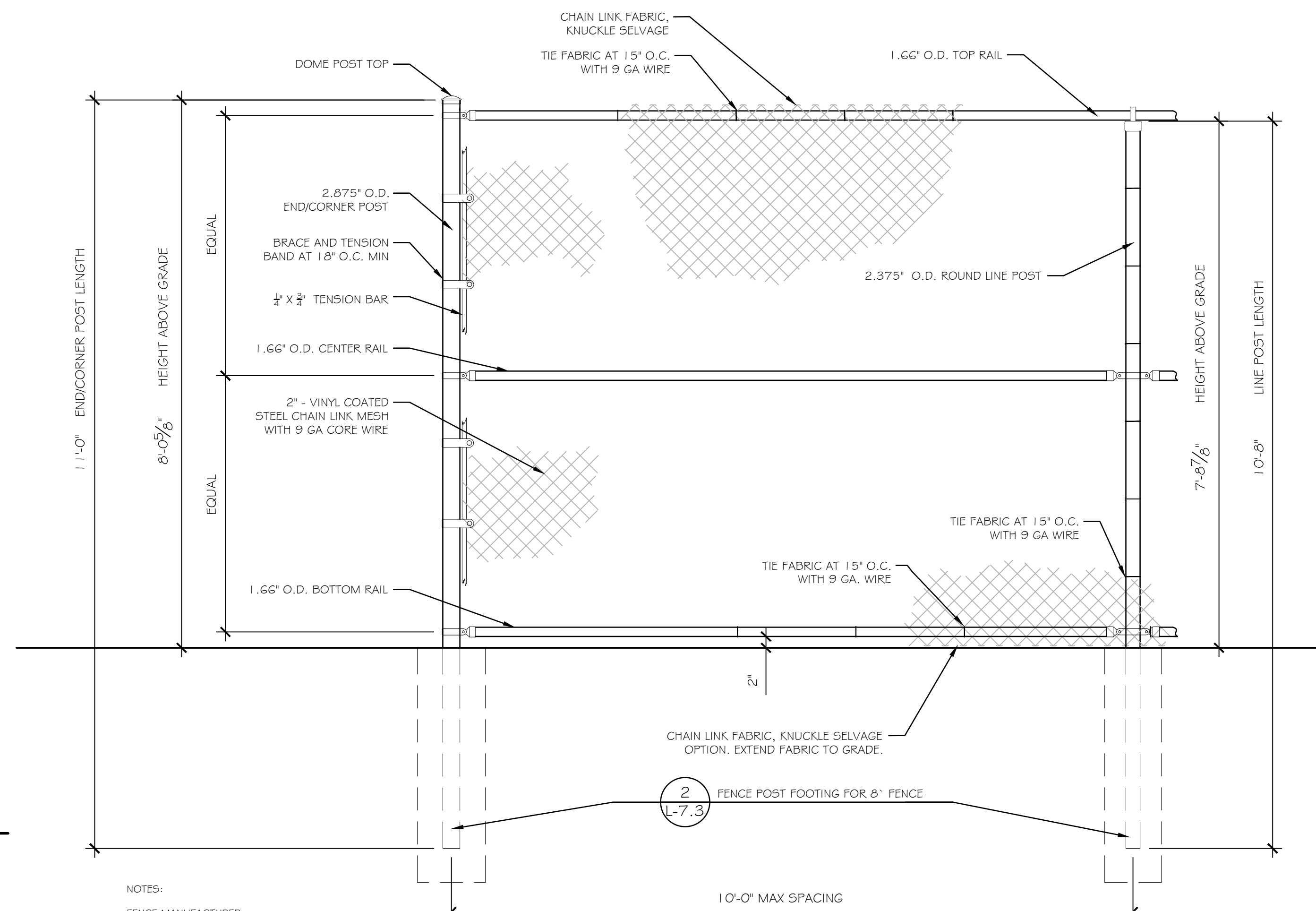
P-2015-016-VETF-123



3 FENCE POST FOOTING FOR BASEBALL BACKSTOP
NTS



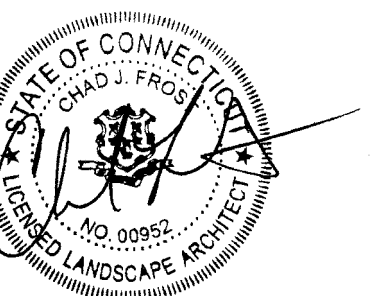
2 FENCE POST FOOTING FOR 8' FENCE
NTS



- NOTES:**
1. 8' NOMINAL FENCE HEIGHT
 2. SEE SPEC FOR INSTALLATION AND MATERIALS
 3. SPACE POSTS EVENLY, UNLESS OTHERWISE NOTED.
 4. SEE "BASEBALL FIELD LAYOUT PLAN" FOR DETAILED POST SPACING.
 5. ALL FENCE FRAMEWORK, FABRIC, & ACCESSORIES ARE TO BE BLACK PVC COATED.
 6. FOOTING DEPTH - MINIMUM X'X"

1 8' CHAINLINK FENCE
NTS

P-2015-016-VETF-139



Bid Documents

Revisions	Date
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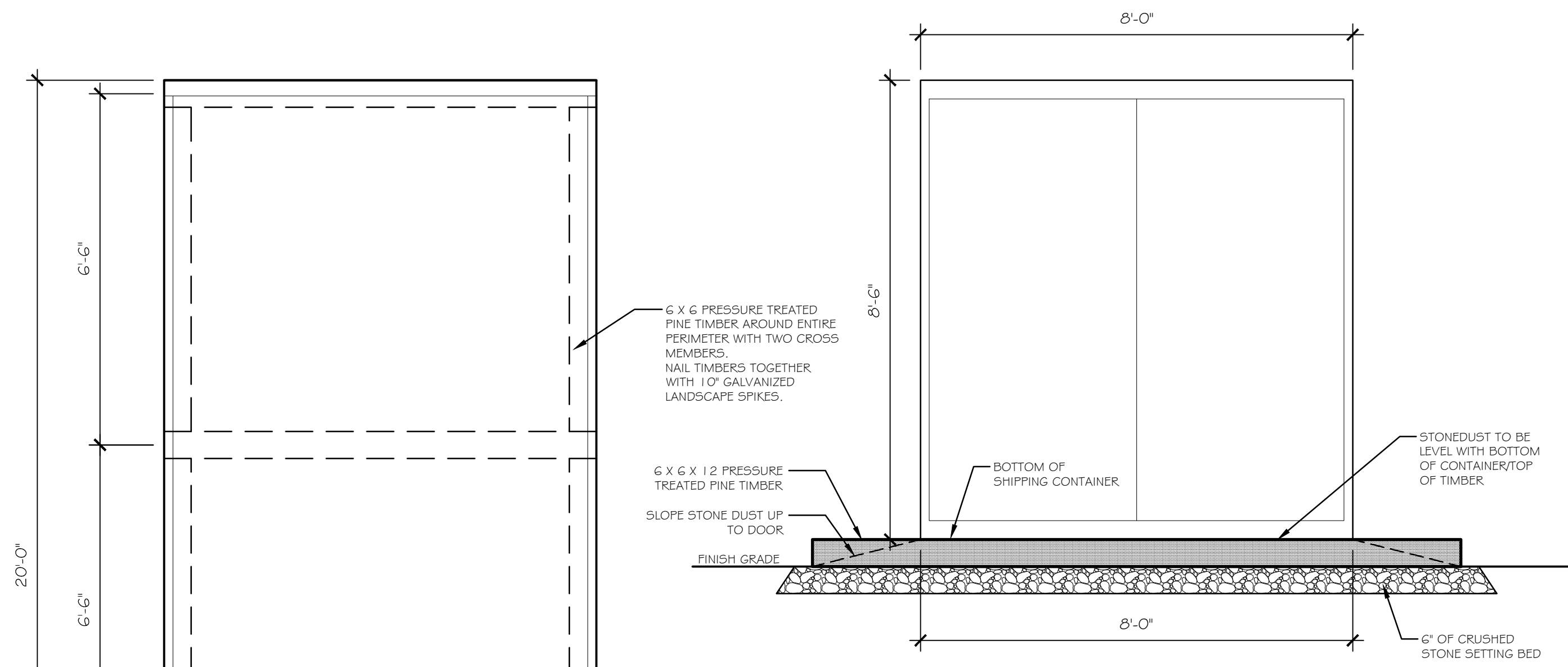
SITE DETAILS

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	December 23, 2016
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- NOTES:
1. NO STORAGE OF MATERIALS OR OPERATION OF EQUIPMENT SHALL BE PERMITTED WITHIN TREE PROTECTION FENCING.
 2. FENCING SHALL BE MAINTAINED THROUGHOUT THE DURATION OF THE WORK AT THE SITE OR UNTIL REMOVAL IS APPROVED BY OWNERS REPRESENTATIVE.
 3. ADDITIONAL WARNING SIGNS SHOULD ALSO BE PLACED ON THE FENCING AND IN APPROPRIATE AREAS NEAR THE WORK ZONE. (SEE SIGN DETAIL)
 4. TREE PROTECTION FENCE SHALL BE INSPECTED AND MAINTAINED BY THE CONTRACTOR AT THE END OF EVERY DAY FOR THE DURATION OF THE PROJECT. THE FENCE SHALL BE REPAIRED WHERE NECESSARY.

ATTENTION!
CRITICAL TREE PROTECTION ZONE

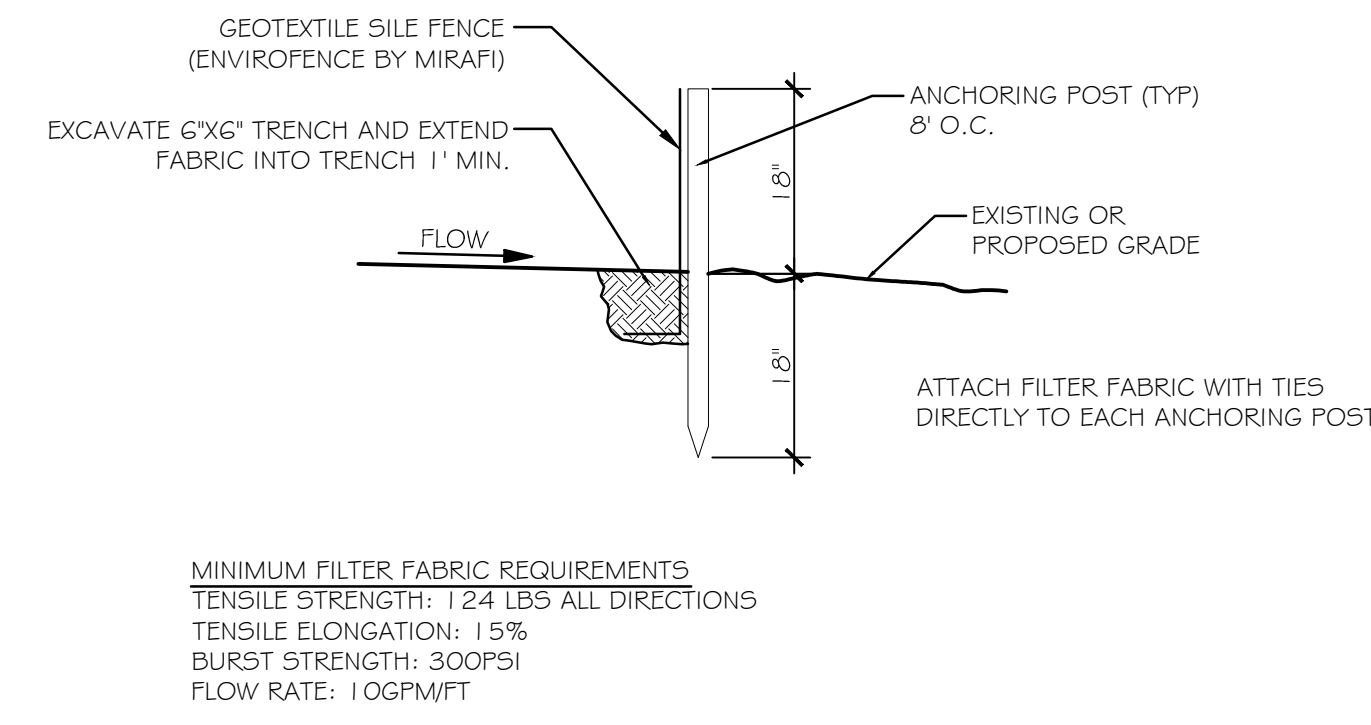
STORAGE OF MATERIALS OR EQUIPMENT WILL NOT BE PERMITTED.
DISPOSAL OF SOLID LIQUID OR CHEMICAL WASTE INCLUDING CONCRETE CLEANUP WASTE WILL NOT BE PERMITTED.
REFER TO CONSTRUCTION DOCUMENTS FOR PROPER PROCEDURES FOR DEMOLITION AND CONSTRUCTION.



8 SHIPPING CONTAINER STORAGE

1/2" = 1'-0"

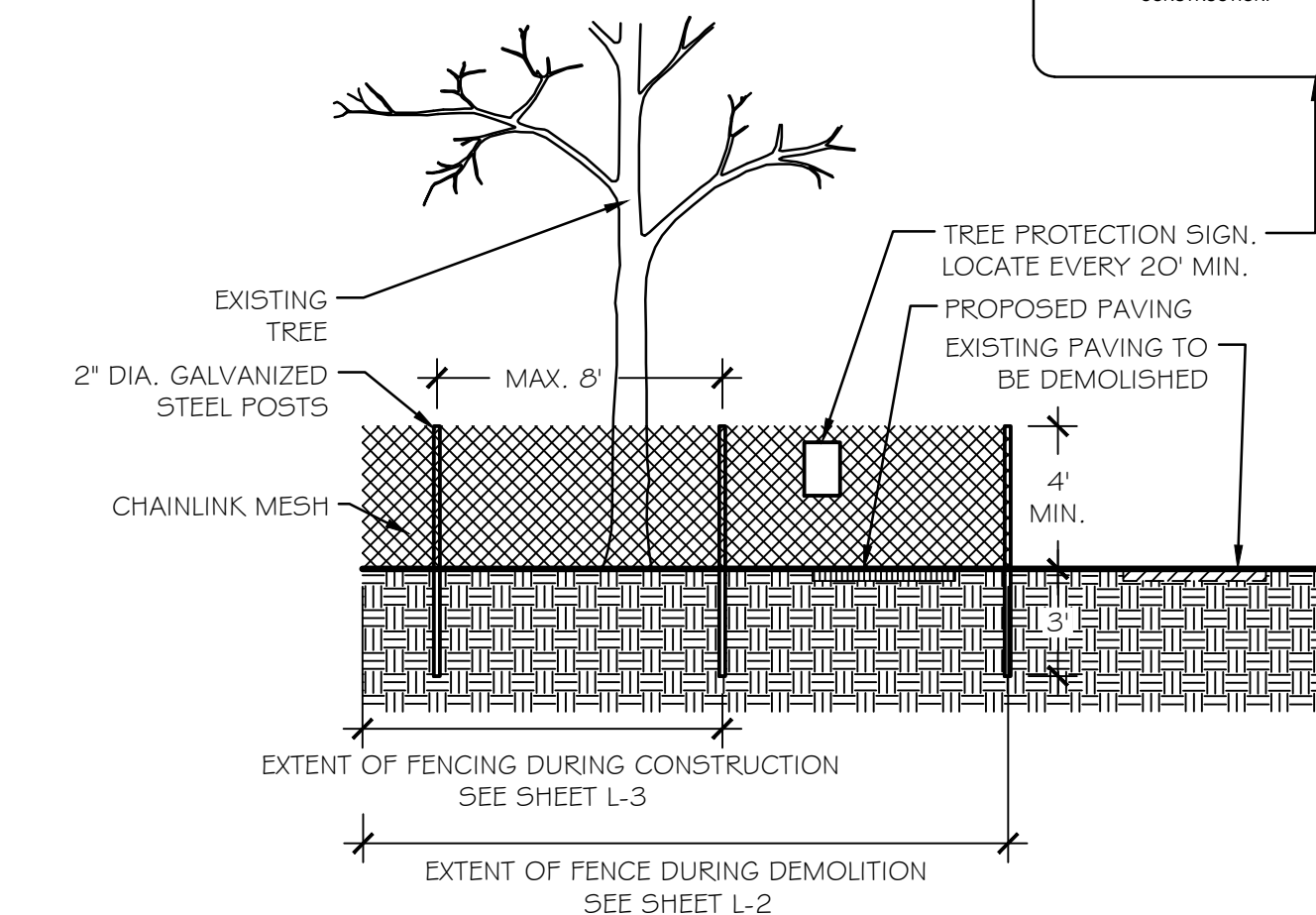
P-2015-016-VETF-148



5 GEOTEXTILE SILT FENCE

NTS

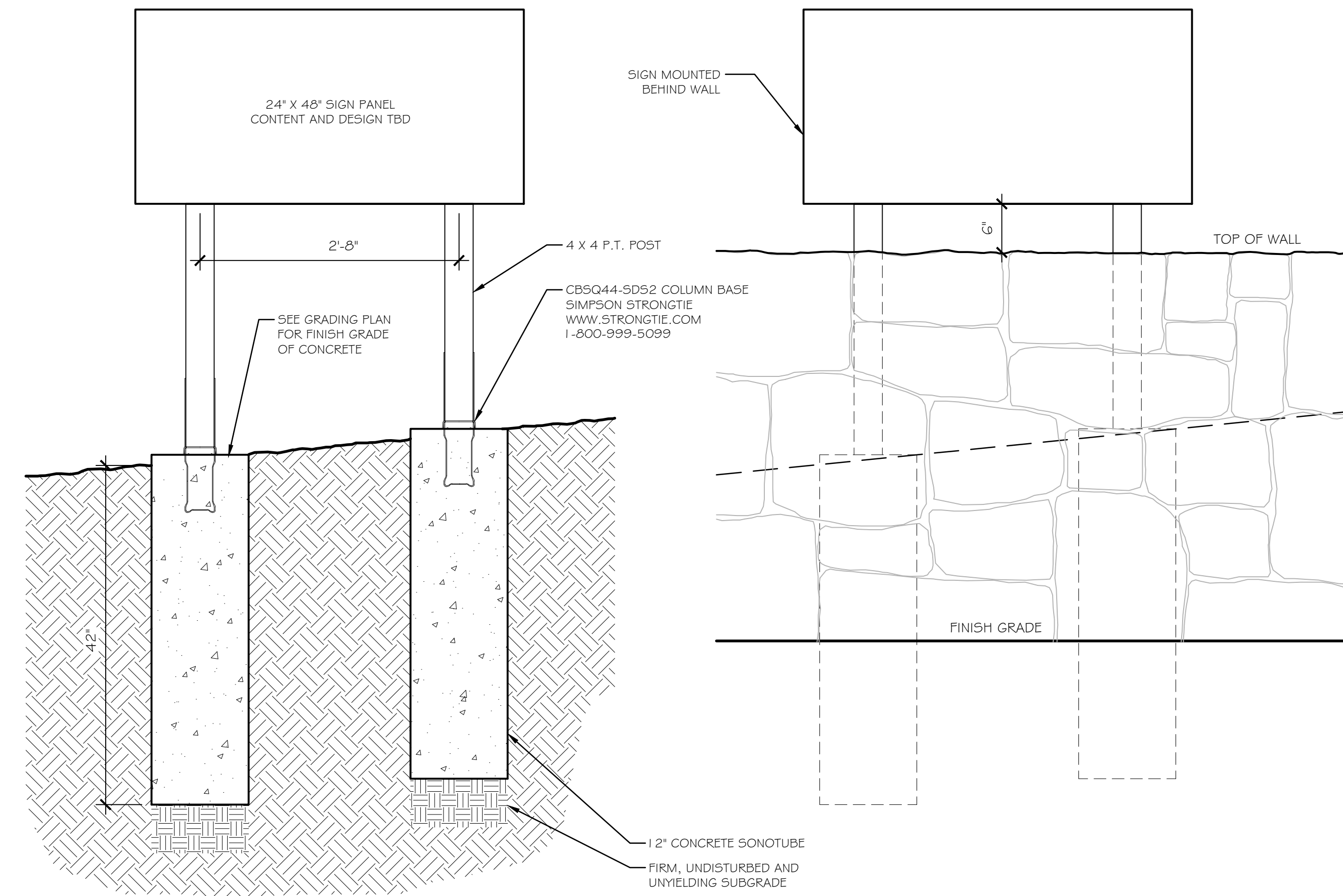
P-2015-016-VETF-93



4 TREE PROTECTION FENCING

NTS

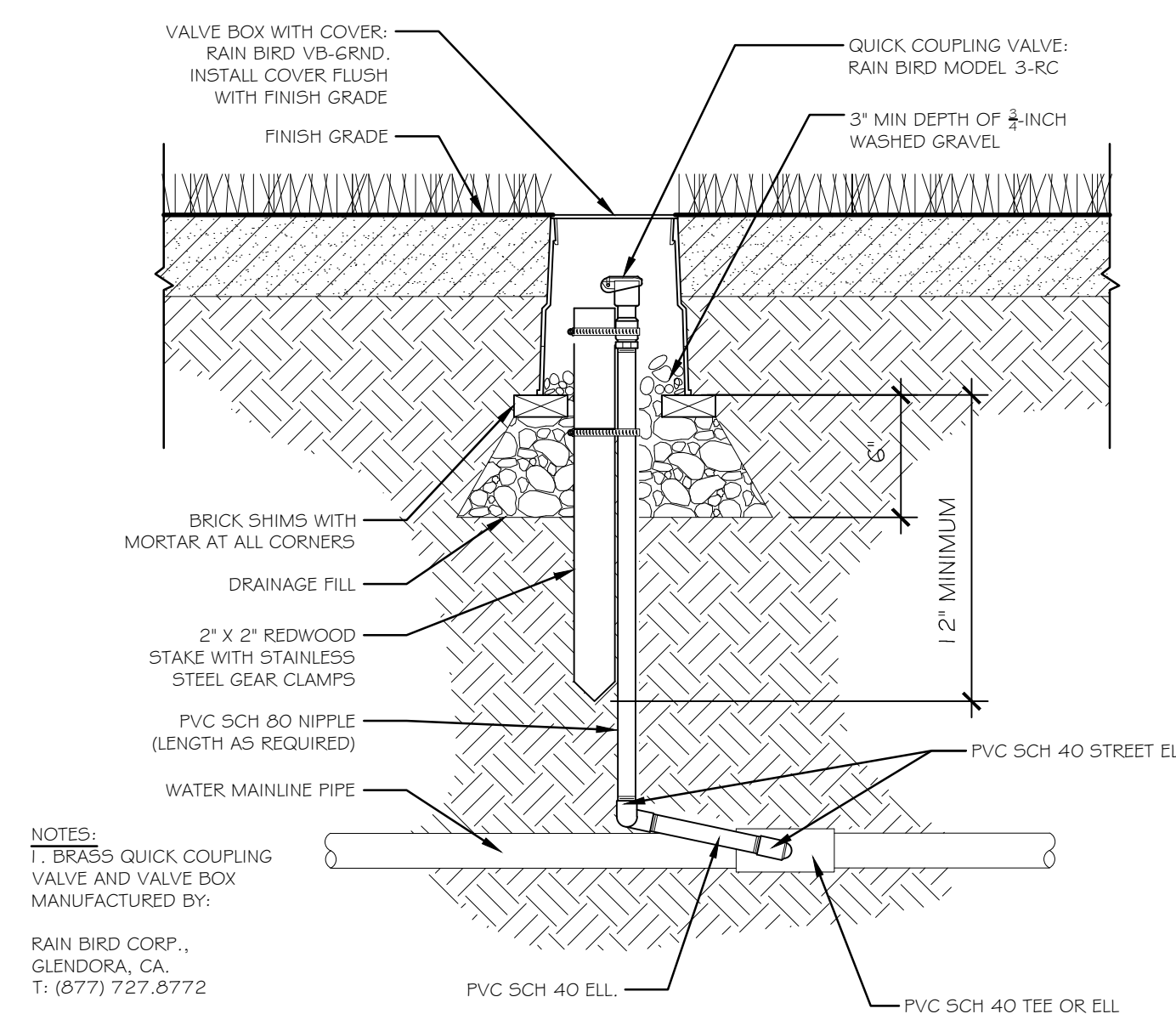
P-2015-016-VETF-33



3 PARK ENTRANCE SIGN

NTS

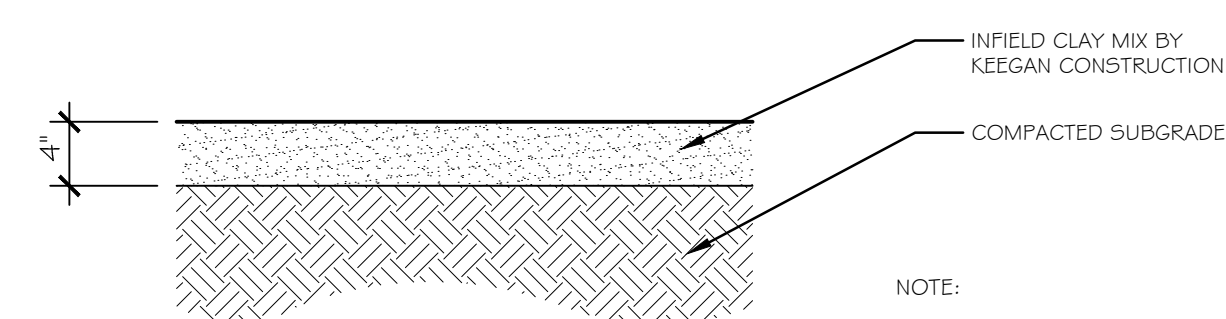
P-2015-016-VETF-134



7 QUICK COUPLING VALVE

NTS

P-2015-016-VETF-137



6 INFIELD SOIL PROFILE

NTS

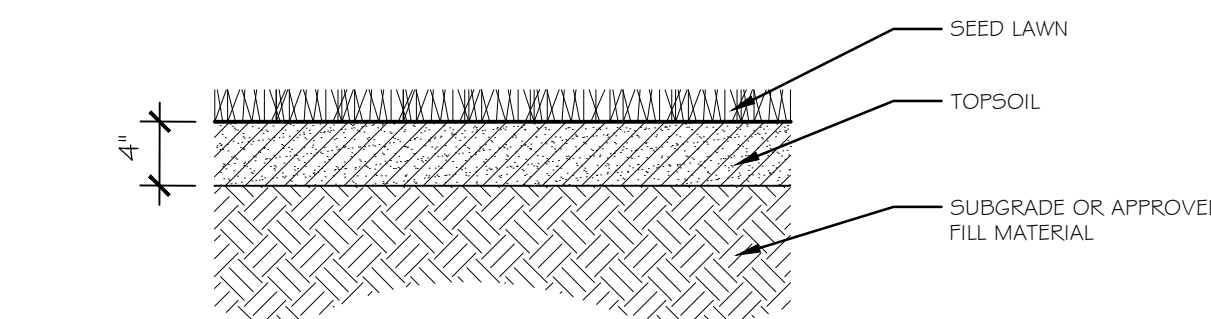
P-2015-016-VETF-142



2 PLAYING FIELD GRASS PROFILE

NTS

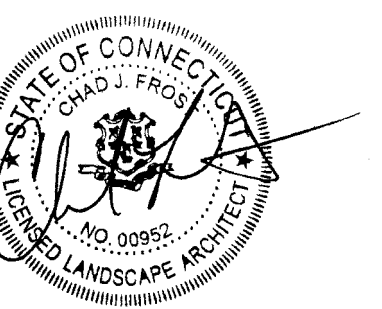
P-2015-016-VETF-141



1 LAWN PLANTING

NTS

DETAIL-FILE

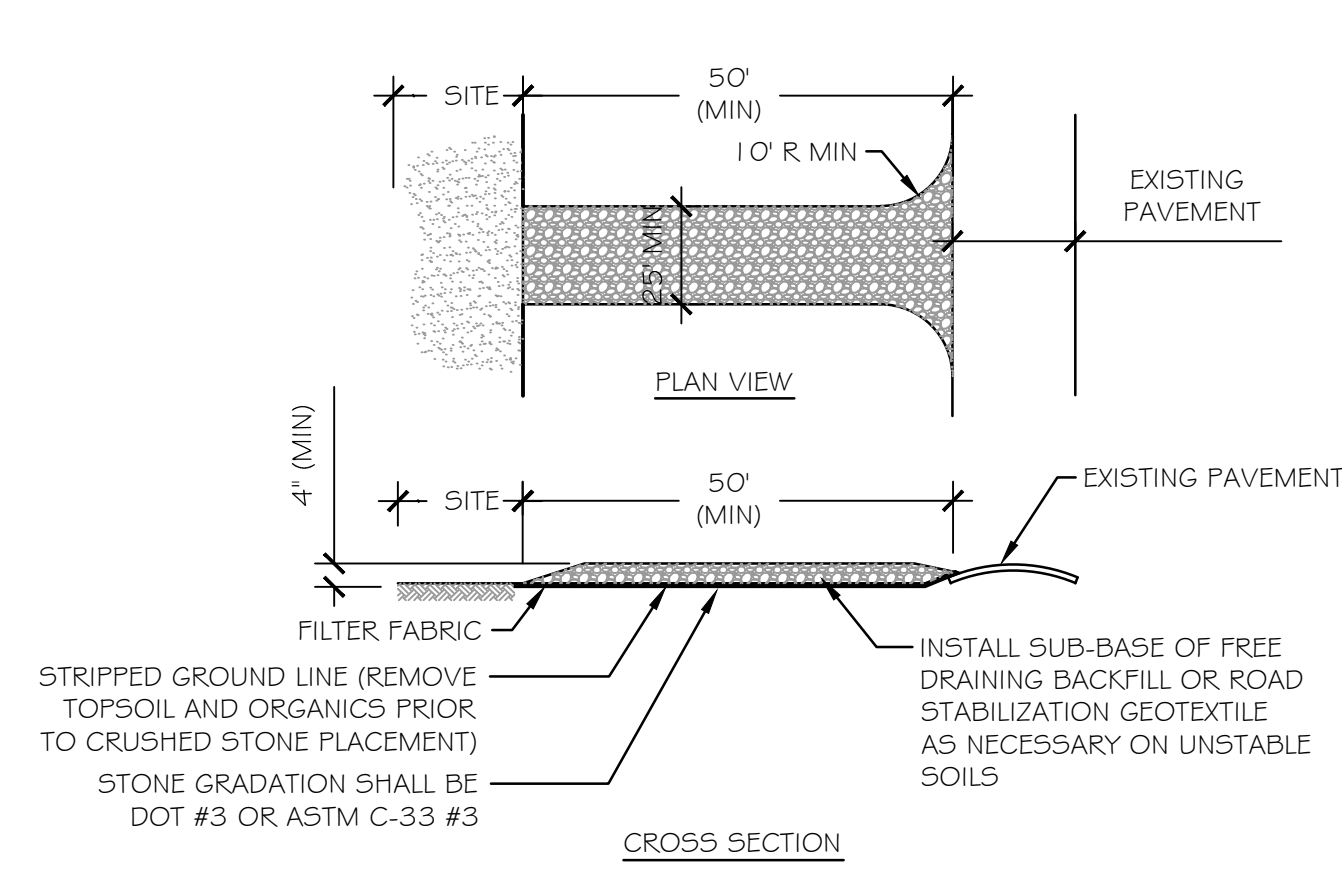


Bid Documents

Revisions	Date
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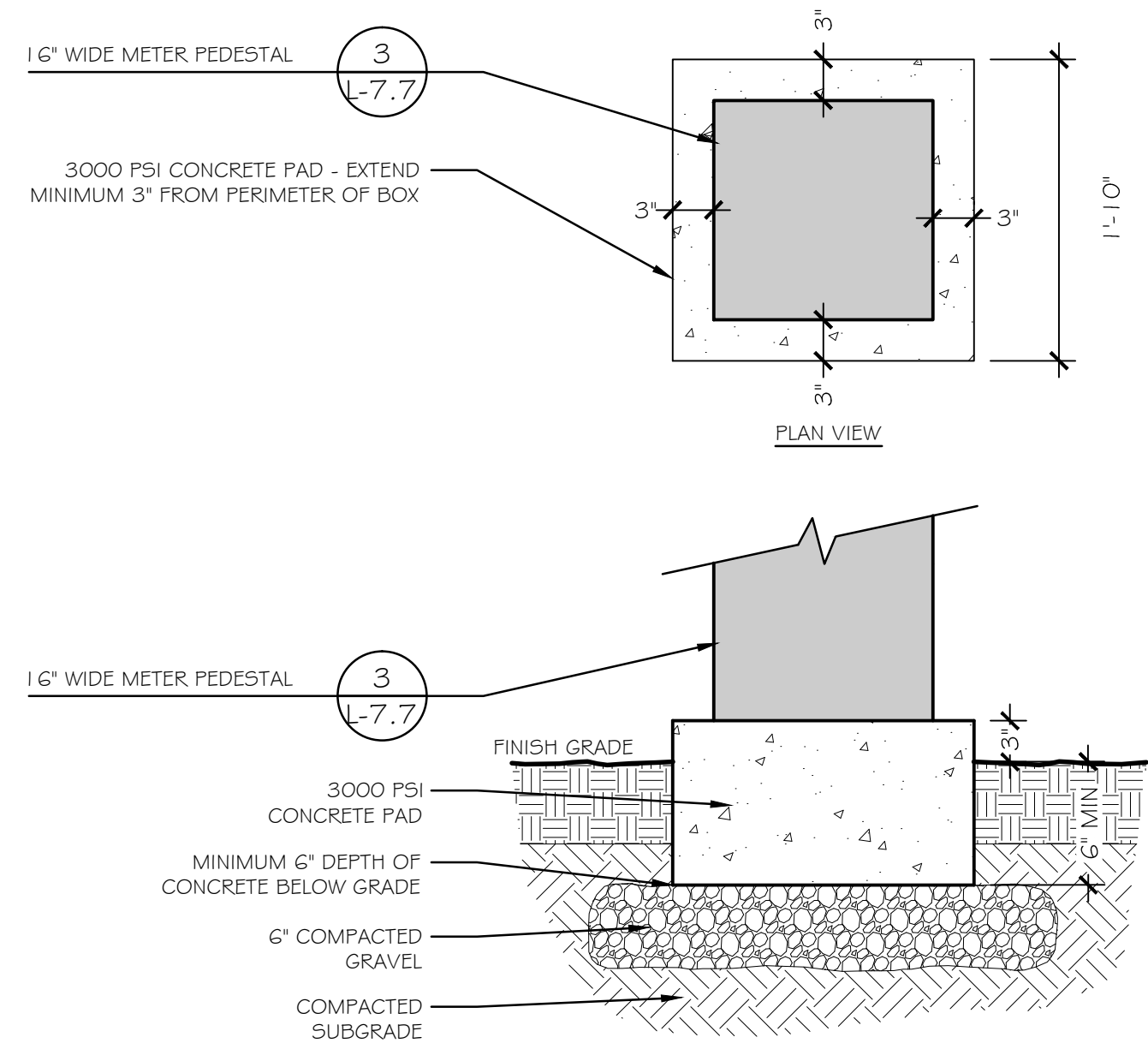
SITE DETAILS

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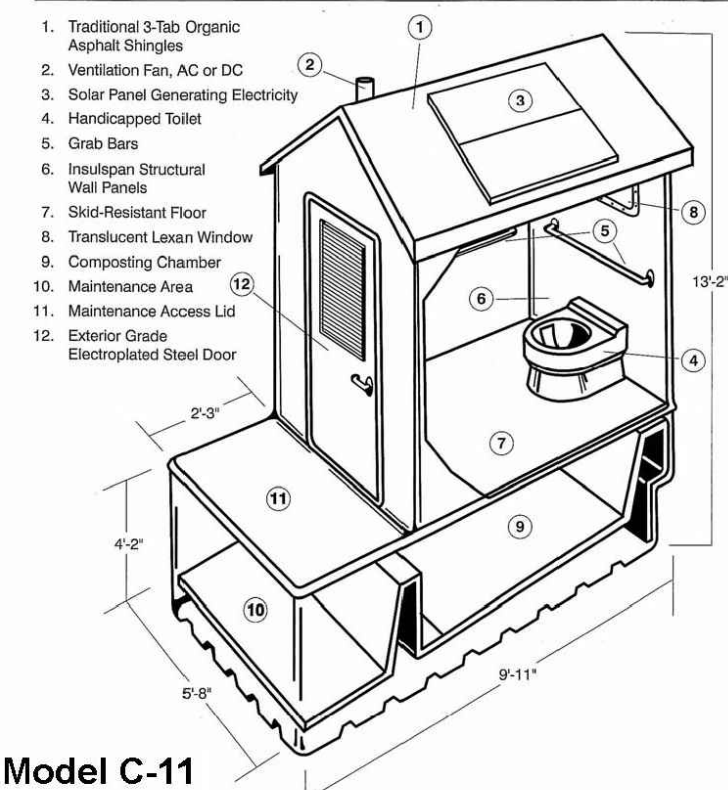
- NOTES:
- ENTRANCE WIDTH SHALL BE A TWENTY-FIVE FOOT (25') MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS
 - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH SHALL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY. PERIODIC INSPECTION AND MAINTENANCE SHALL BE PROVIDED AS NEEDED
 - CONSTRUCTION ENTRANCE IS TO BE LOCATED IN THE FIELD WITH LANDSCAPE ARCHITECT AND CONTRACTOR

5 TEMPORARY CONSTRUCTION ENTRANCE
NTS P-2015-016-VETF-167



4 CONCRETE PAD FOR METER PEDESTAL
NTS P-2015-016-VETF-156

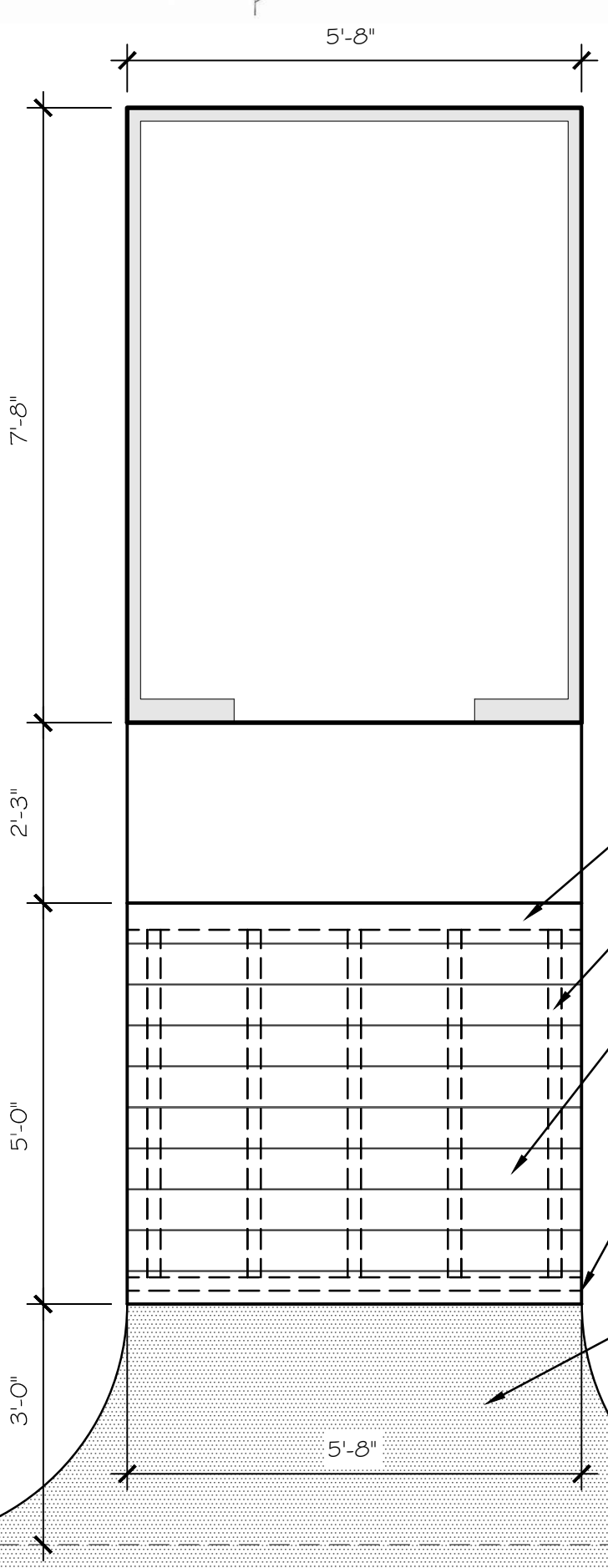
Self-Contained Recycling Composting Toilet



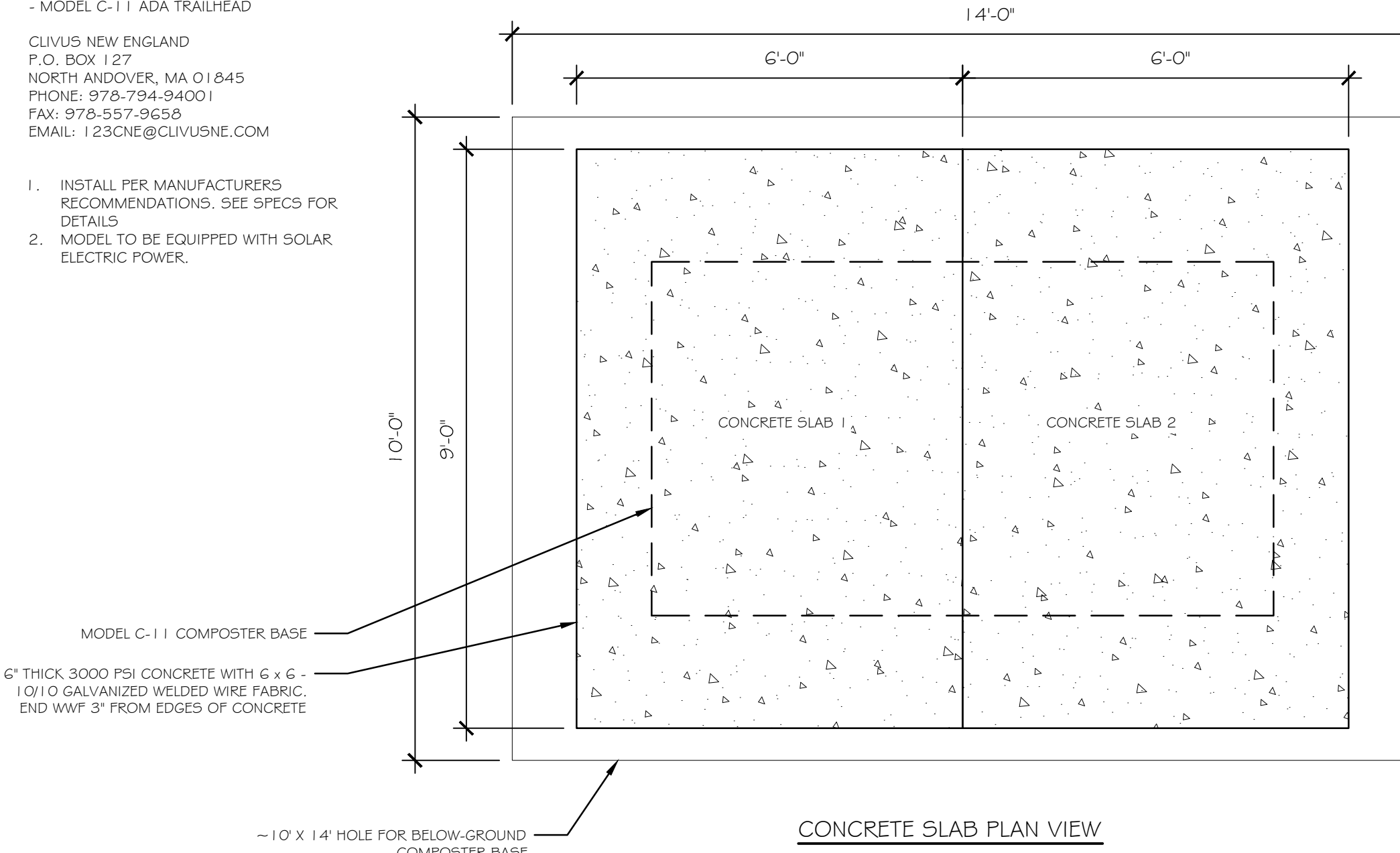
- NOTES:
- CLIVUS MULTIRUM COMPOSTING TOILET - MODEL C-11 ADA TRAILHEAD
- CLIVUS NEW ENGLAND
P.O. BOX 127
NORTH ANDOVER, MA 01845
PHONE: 978-794-8400
FAX: 978-557-9658
EMAIL: 123CNE@CLIVUSNE.COM

- INSTALL PER MANUFACTURERS RECOMMENDATIONS. SEE SPECS FOR DETAILS
- MODEL TO BE EQUIPPED WITH SOLAR ELECTRIC POWER.

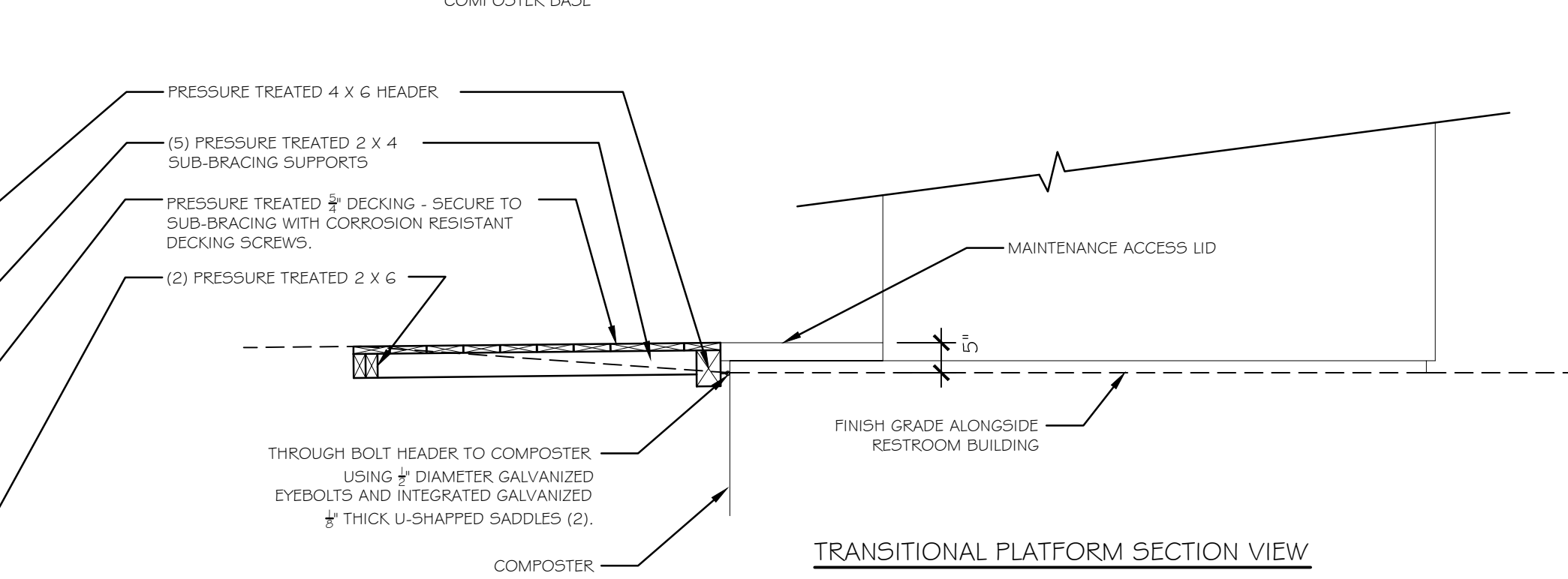
Model C-11



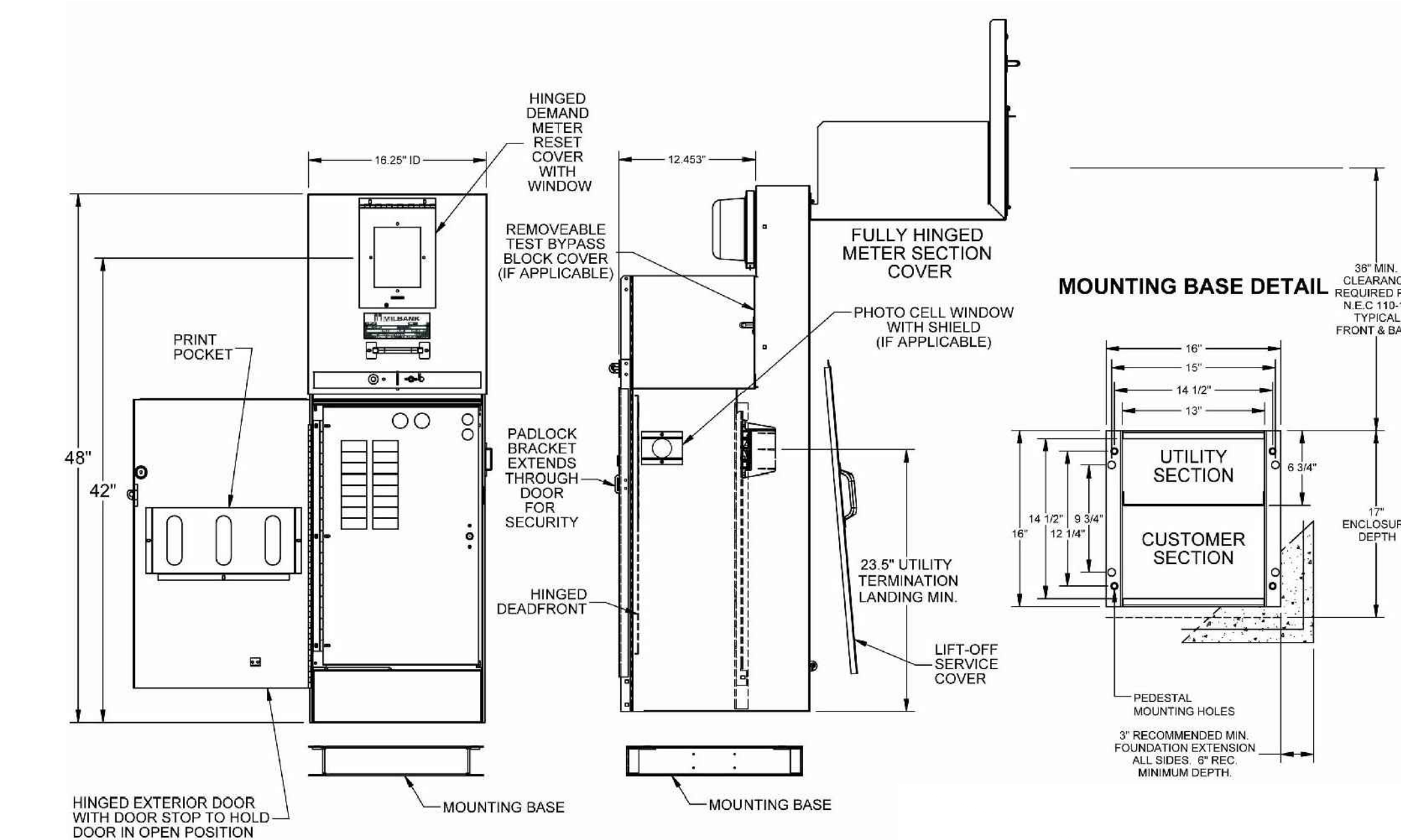
TRANSITIONAL PLATFORM # BUILDING PLAN VIEW



CONCRETE SLAB PLAN VIEW

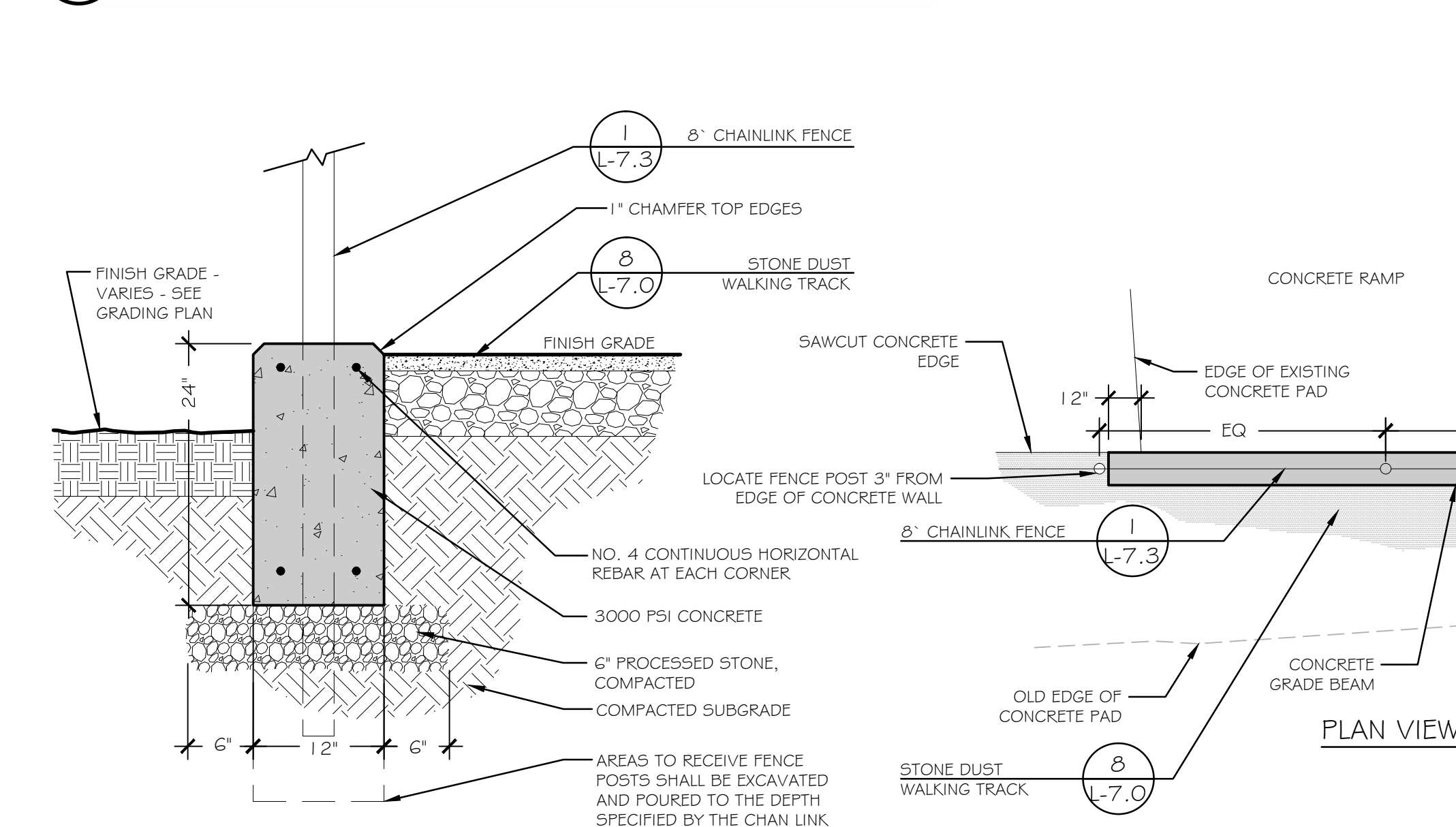


TRANSITIONAL PLATFORM SECTION VIEW

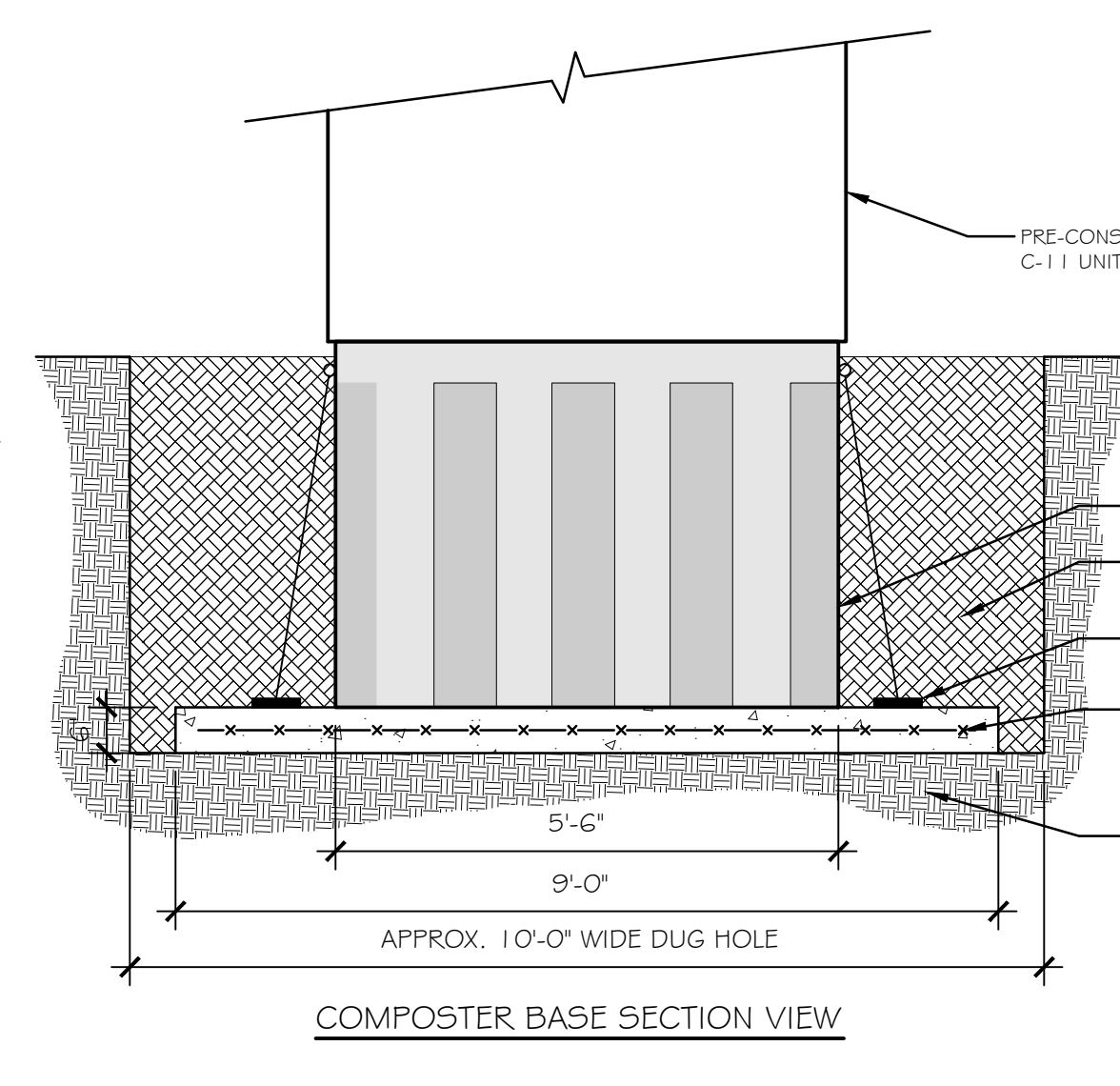


3 16" WIDE METER PEDESTAL
NTS P-2015-016-VETF-155

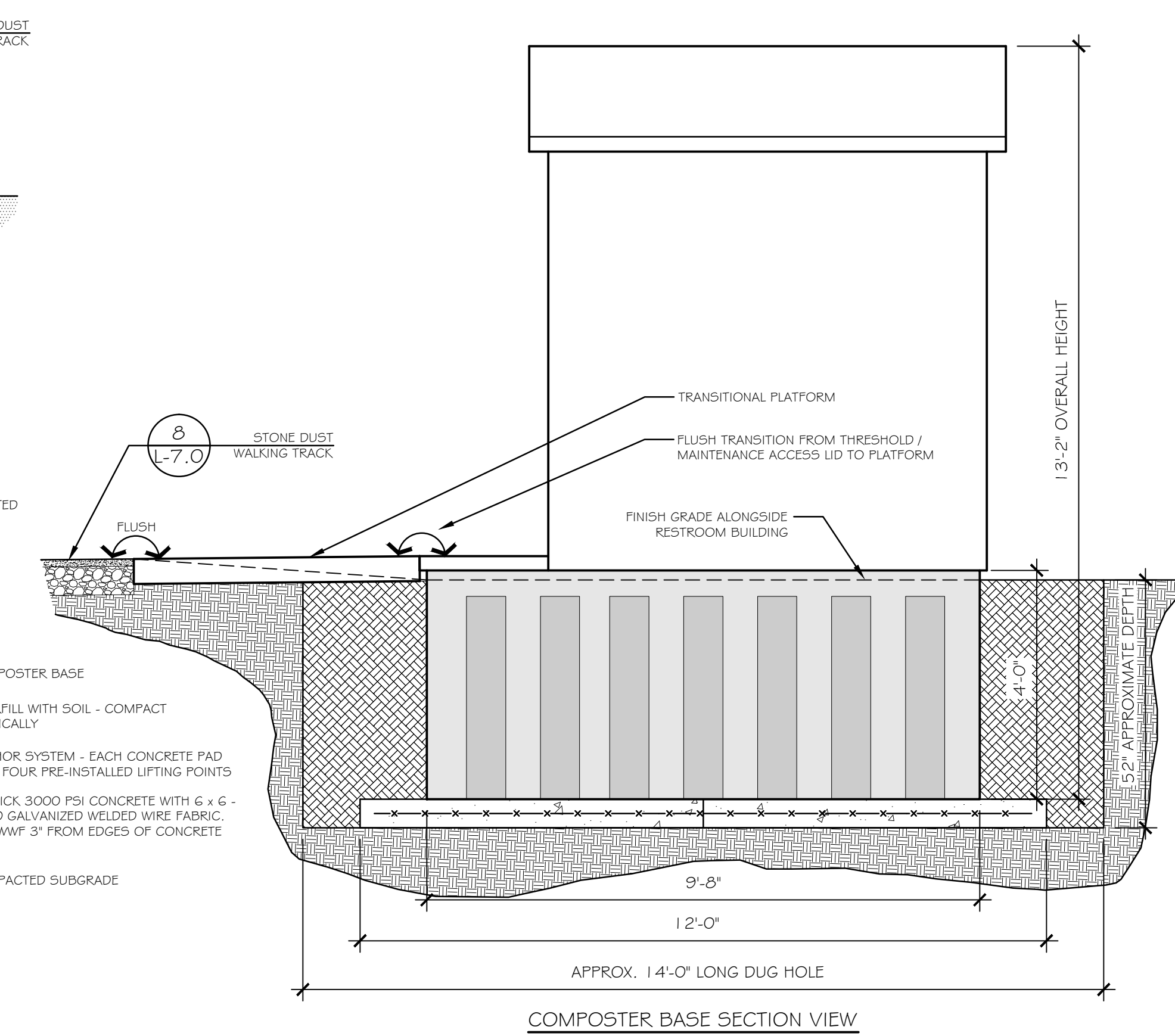
- NOTES:
- MILBANK 1 1/2" WIDE METERED PEDESTAL
MILBANK MANUFACTURING COMPANY
4801 DERAMUS
KANSAS CITY, MO 64120
PHONE: 877-483-5314
- INSTALL PER MANUFACTURERS RECOMMENDATIONS. SEE SPECS FOR DETAILS
 - DETAIL FOR DIAGRAMMATICAL PURPOSES ONLY
 - MATERIAL: 1/4 GA STAINLESS STEEL
 - PROVIDE WEATHERPROOF DOUBLE GANG SURFACE MOUNTED OUTLET BOX ON THE CABINET SIDE WITH A LOCKABLE IN-USE COVER AND GFCI OUTLETS.



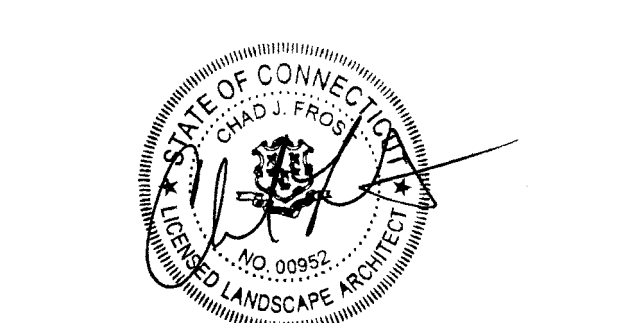
2 CONCRETE GRADE BEAM
NTS P-2015-016-VETF-152



1 COMPOSTING RESTROOM MODEL C-11
NTS P-2015-016-VETF-157



COMPOSTER BASE SECTION VIEW



Bid Documents

Revisions	Date
1.	
2.	
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SITE DETAILS

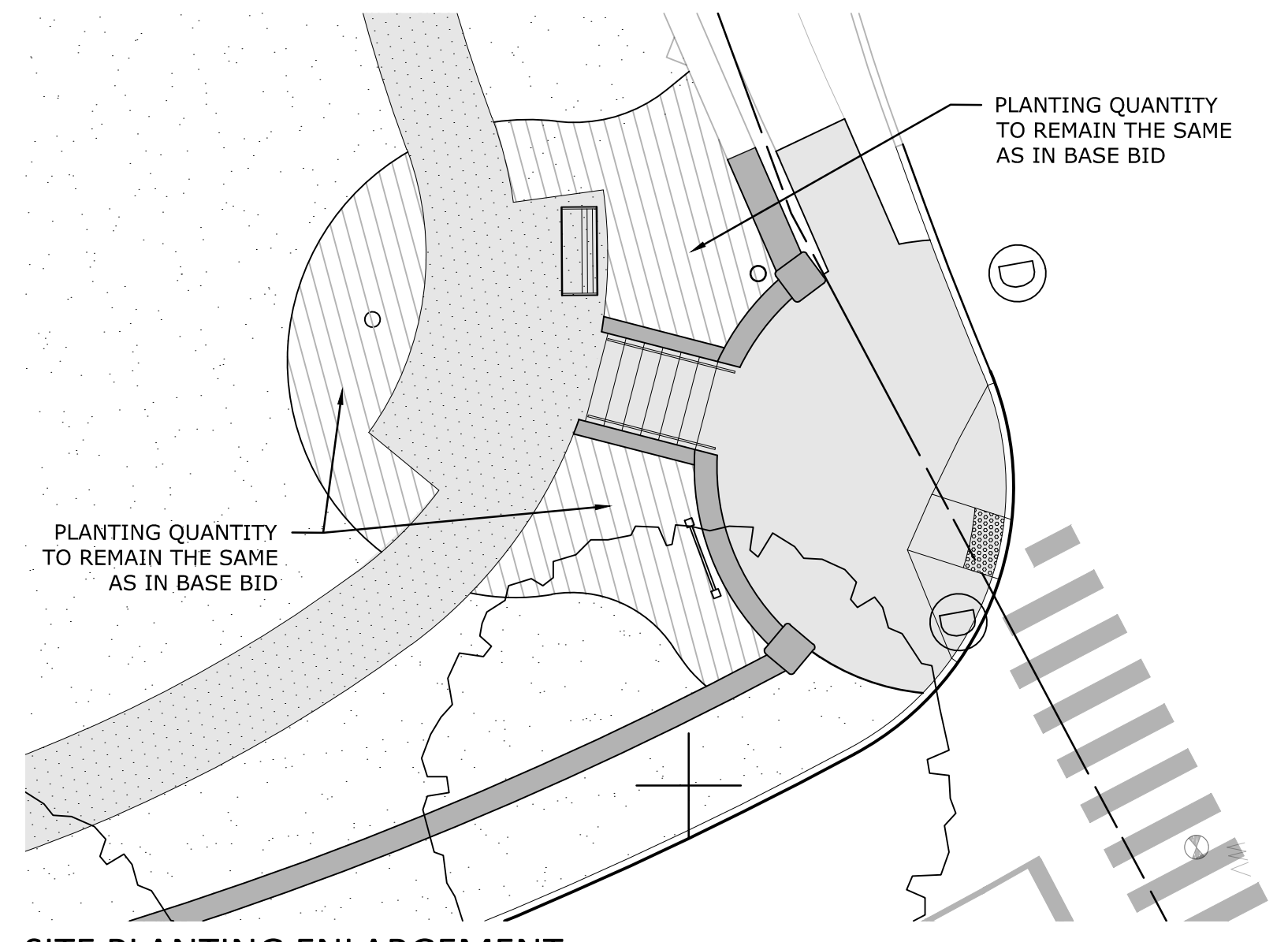
Scale _____
Date December 23, 2016
K-F Project No. 2015016
Drawing No. _____

LEGEND:

- PROPERTY LINE
- CENTER LINE

PLANT SCHEDULE

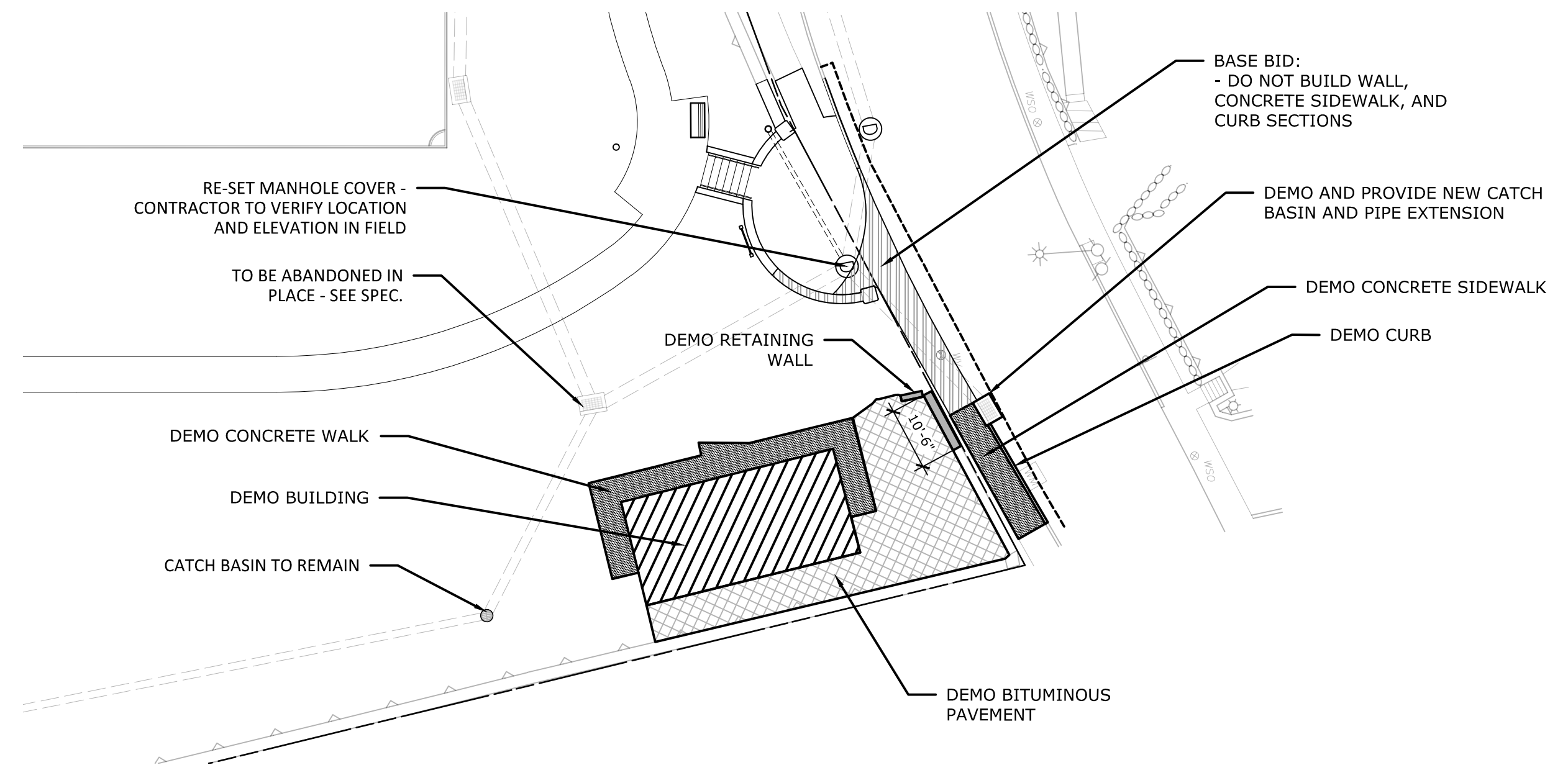
TREES	QTY	BOTANICAL NAME / COMMON NAME	CONT	CAL
ACE GLO	6	Acer rubrum "October Glory"™ / October Glory Maple	B & B	2.5"-3"



SITE PLANTING ENLARGEMENT

VETERANS MEMORIAL FIELD - PARKING LOT ALTERNATE

SCALE: 1" = 10'

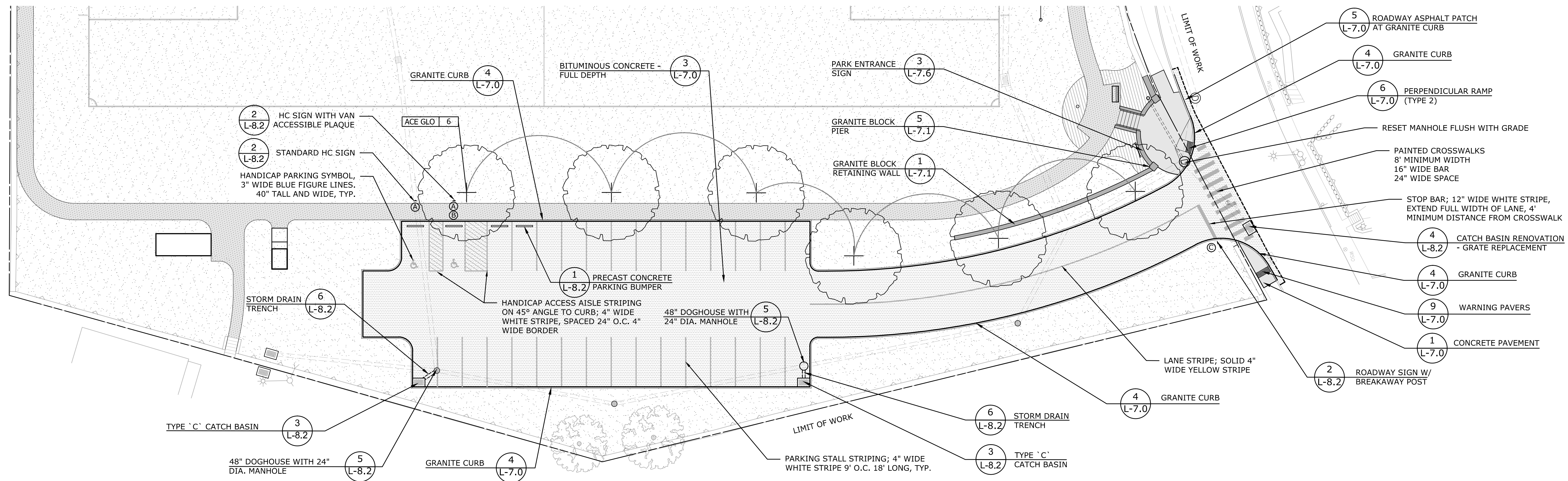


SITE DEMOLITION

VETERANS MEMORIAL FIELD - PARKING LOT ALTERNATE

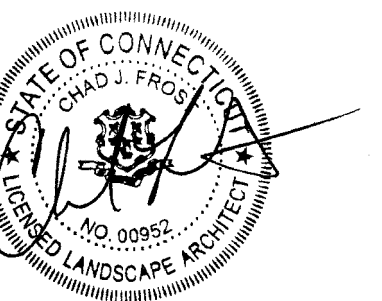
TRAFFIC SIGN SUMMARY

CODE	SIGN TYPE	CT DOT ID#	WIDTH	HEIGHT	QUANTITY	MOUNTING HEIGHT
(A)		31-0629	12"	24"	2	7'
(B)		31-0648	12"	6"	1	BELOW A
(C)		31-0552	30"	30"	1	7'



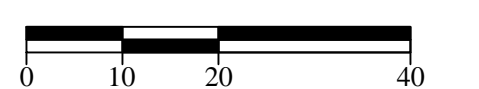
SITE IMPROVEMENTS

VETERANS MEMORIAL FIELD - PARKING LOT ALTERNATE



Bid Documents

Revisions	Date
1.	
2.	
3.	



PARKING LOT ALTERNATE #1

Scale 1" = 20'
Date December 23, 2016
K-F Project No. 2015016
Drawing No.

