



NOTES:

1. PRE-ENGINEERED METAL BUILDING:
 - A. * COLUMN LOCATIONS ARE BASED UPON A SPECIFIC PRE-ENGINEERED METAL BUILDING MANUFACTURER SUBBIDDER AND MAY VARY WITH DIFFERENT SUBBIDDERS. GENERAL CONTRACTOR SHALL COORDINATE WITH PRE-ENGINEERED METAL BUILDING MANUFACTURER SUBBIDDER. THE ENGINEER WILL BE NOTIFIED OF ANY DIMENSION, LAYOUT OR ELEVATION CHANGES TO SUIT PRE-ENGINEERED METAL BUILDING SUPPLIED.
 - B. COLUMNS, BEAMS, ANCHOR BOLTS AND ANCHOR BOLT LOCATIONS SHALL BE FURNISHED BY THE PRE-ENGINEERED METAL BUILDING MANUFACTURER SUBBIDDER AS SPECIFIED.
 - C. COLUMNS AND BEAMS SHALL BE STRAIGHT OR TAPERED WITH DIAGONAL ANGLE BRACING, SEE SPECIFICATION SECTION 13121 FOR DESIGN CRITERIA.
 - D. DESIGN LOADS:
 - (COMMONWEALTH OF MASSACHUSETTS STATE BUILDING CODE 6TH ED)
 - 1. SNOW LOAD: 35 PSF PLUS DRIFT
 - 2. COLLATERAL LOAD:
 - ROOF PURLINS: 15 PSF
 - ROOF BEAM: 5 PSF
 - 3. WIND LOAD:
 - ZONE: 1
 - EXPOSURE: C
 - REFERENCE WIND PRESSURES: 12 PSF
 - (0-50 FOR ABOVE GRADE)
 - 4. EARTHQUAKE:
 - Av: 0.12G
 - Aa: 0.12G
 - SEISMIC HAZARD EXPOSURE GROUP: GROUP II
 - SEISMIC PERFORMANCE CATEGORY: C
 - SITE COEFFICIENT: S = 2.0
 - BUILDING FRAMING SYSTEM:
 - CONCENTRICALLY BRACED FRAMES:
 - R = 5.0
 - Cd = 4.5
 - MOMENT RESISTING FRAME SYSTEM:
 - ORDINARY STEEL FRAMES:
 - R = 4.5
 - Cd = 4.0
 - ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE PROCEDURE

- E. FOUNDATION SLAB AND WALL REINFORCING SHOP DRAWINGS SHALL NOT BE REVIEWED UNTIL THE SUBMITTAL OF THE PRE-ENGINEERED METAL BUILDING INCLUDING COLUMN REACTIONS AND ANCHOR BOLT LOCATIONS HAVE BEEN REVIEWED AND NO EXCEPTIONS TAKEN BY THE ENGINEER.
- F. SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONAL CLEARANCES REQUIRED FOR PRE-ENGINEERED METAL BUILDING COMPONENTS.
- G. SEE TABLE ON DRAWING S-5 FOR BOTTOM OF COLUMN BASE PLATE ELEVATIONS.
- H. LATERAL BRACING IN THE FINISHED STRUCTURE SHALL BE PROVIDED BY RIGID STEEL FRAMES OR CROSS BRACING. IT IS THE CONTRACTOR'S RESPONSIBILITY TO TEMPORARILY BRACE THE STRUCTURE UNTIL PERMANENT BRACING IS IN PLACE.
- I. ALL MOMENT RESISTING STEEL FRAMING SHALL BE DESIGNED WITH PIN-CONNECTED BASES TRANSFERRING ZERO MOMENT TO THE BASE.
- J. THE PRE-ENGINEERED METAL BUILDING MANUFACTURER SHALL PROVIDE STEEL FRAME SUPPORTS FOR MECHANICAL, ELECTRICAL AND PROCESS EQUIPMENT SUPPORTED BY THE PRE-ENGINEERED METAL BUILDING. COORDINATE WITH MECHANICAL, ELECTRICAL AND PROCESS DRAWINGS FOR EQUIPMENT LOCATIONS AND COORDINATE EQUIPMENT SIZE AND WEIGHTS WITH THE CONTRACTOR.
2. ▲ INDICATES FOOTING TYPE, FOR DIMENSIONS AND REINFORCING SEE FOOTING SCHEDULE ON DRAWING S-5.
3. ○ INDICATES PILASTER TYPE, FOR DIMENSIONS AND REINFORCING SEE PILASTER SCHEDULE ON DRAWING S-5.
4. ▲ INDICATES EQUIPMENT PAD, CONTRACTOR SHALL COORDINATE SIZE AND LOCATION TO SUIT EQUIPMENT SUPPLIED.
5. ○ INDICATES PIPE, FOR EXACT SIZE, LOCATION AND ELEVATION, SEE PLUMBING, PROCESS AND MECHANICAL DRAWINGS.
6. FD INDICATES FLOOR DRAIN, FOR EXACT SIZE AND LOCATION OF FLOOR DRAINS AND CLEANOUTS SEE PLUMBING DRAWINGS.
7. CONTRACTOR SHALL FIELD VERIFY THE DIMENSIONS OF THE EXISTING CHANNEL GRINDER LOCATED IN THE ADJACENT PUMP STATION WHICH SHALL BE INSTALLED IN THE INFLUENT CHANNEL. CONTRACTOR SHALL NOTIFY THE ENGINEER IF MODIFICATIONS ARE REQUIRED TO INSTALL THE RELOCATED CHANNEL GRINDER. THE CONTRACTOR SHALL INSTALL NON-SHRINK GROUT BETWEEN EXISTING CHANNEL GRINDER AND INFLUENT CONCRETE WALLS TO PREVENT LEAKAGE.
8. FOR GENERAL STRUCTURAL NOTES AND STANDARD DETAILS, SEE DRAWINGS S-6 AND S-7.

BASEMENT PLAN

SCALE: 1/4"=1'-0"

THESE RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF THE INFORMATION FURNISHED BY OTHERS. THE ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THIS DOCUMENT AS A RESULT.

DEPARTMENT OF PUBLIC WORKS
TOWN OF EAST LONGMEADOW, MA
VINELAND AVENUE PUMP STATION
CONTRACTS NO. 1 AND NO. 2

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NO.	REVISIONS	DATE	BY	PROJECT NO.	SCALE	AS NOTED
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