

WATER TAGS

10 154 LIN FT PRIVATE WATER SERVICE, 8" w/BENDS DUCTILE IRON PIPE - CLASS 52

12 496 LIN FT PRIVATE WATER SERVICE, 8" w/BENDS DUCTILE IRON PIPE - CLASS 52

RESTORATION NOTE:

ALL DISTURBED AREAS ABOVE TRENCH SHALL BE RESTORED WITH 4" OF TOPSOIL. ALL OTHER DISTURBED AREAS SHALL BE TOP DRESSED WITH 2" OF TOPSOIL. ALL AREAS SHALL BE HYDROSEEDED (MULCH METHOD 4) PER IDOT'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, CURRENT EDITION. IDOT TYPE 2A SALT TOLERANT TURF SEED MIX SHALL BE UTILIZED.

KEY NOTES:

- UNDERGROUND PRIMARY ELECTRIC LINE. CONTRACTOR TO FURNISH & INSTALL (1) 4" PVC SCHEDULE 40 CONDUIT WITH PULL STRING FROM TRANSFORMER PAD TO UTILITY POLE. CONTRACTOR TO COORDINATE CONNECTION TO EXIST. POWER POLE WITH COMED.
- PAD MOUNTED TRANSFORMER. CONTRACTOR TO PROVIDE & INSTALL 6.5'X6.5' PAD & SECONDARY SERVICE IN ACCORDANCE WITH COMED SPECIFICATIONS & REQUIREMENTS.
- METERING CURRENT TRANSFORMER CABINET. TO BE MOUNTED ON BOOSTER STATION BUILDING EXTERIOR.
- NATURAL GAS POWERED STANDBY GENERATOR W/ $\langle 4 \rangle$ 13'X4.5' CONCRETE PAD. SEE DETAIL 7 ON SHEET S-02 FOR PAD DETAIL.
- SERVICE ENTRANCE RATED AUTOMATIC TRANSFER SWITCH W/ 2'X3' CONCRETE PAD. SEE DETAIL 7 ON SHEET S-02 FOR PAD DETAIL.
- NATURAL GAS LINE TO GENERATOR. CONTRACTOR TO COORDINATE SERVICE LINE WITH NICOR.

CONTRACTOR NOTE:

PROPOSED CONSTRUCTION ACCESS DRIVE.

FOR PERMIT/BID

BAR IS ONE INCH ON OFFICIAL DRAWINGS. DRAWN BY: ECH JOB DATE: APPROVED: JFV JOB NUMBER: <u>160386</u> CAD DATE: 12/22/2017 2:49:25 PM IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY. CAD FILE: J:\2016\160386\CAD\Dwgs\C\160386-Booster Station-Site Plan.dwg

NO. DATE BY REVISION DESCRIPTION 1 01/08/17 ECH ADDENDUM #1



ILLINOIS DESIGN FIRM # 184.001322 420 N. FRONT STREET, SUITE 100 McHENRY, ILLINOIS 60050 PHONE: 815.385.1778 | TOLL FREE: 800.728.7805



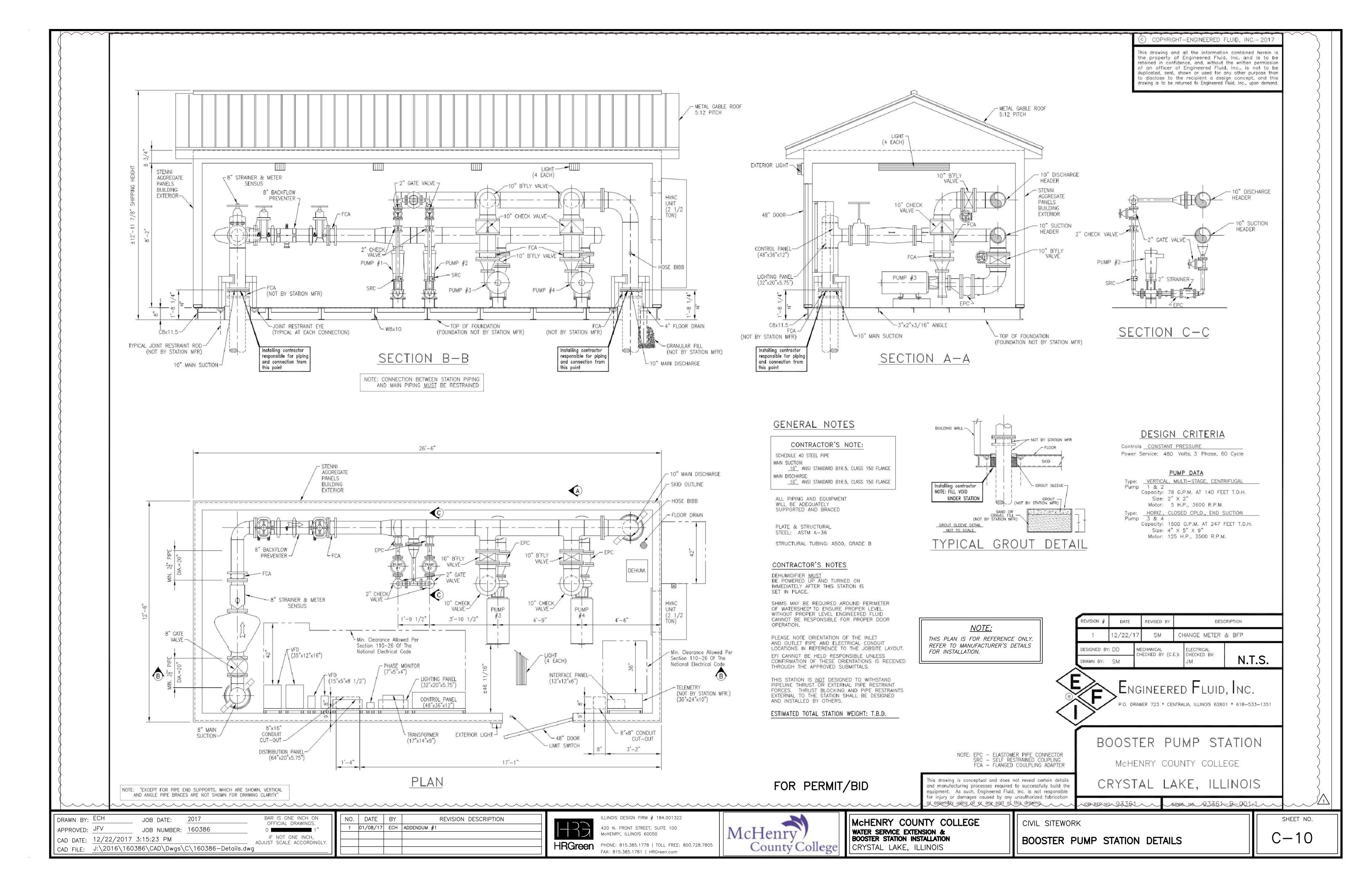
McHENRY COUNTY COLLEGE WATER SERVICE EXTENSION & BOOSTER STATION INSTALLATION CRYSTAL LAKE, ILLINOIS

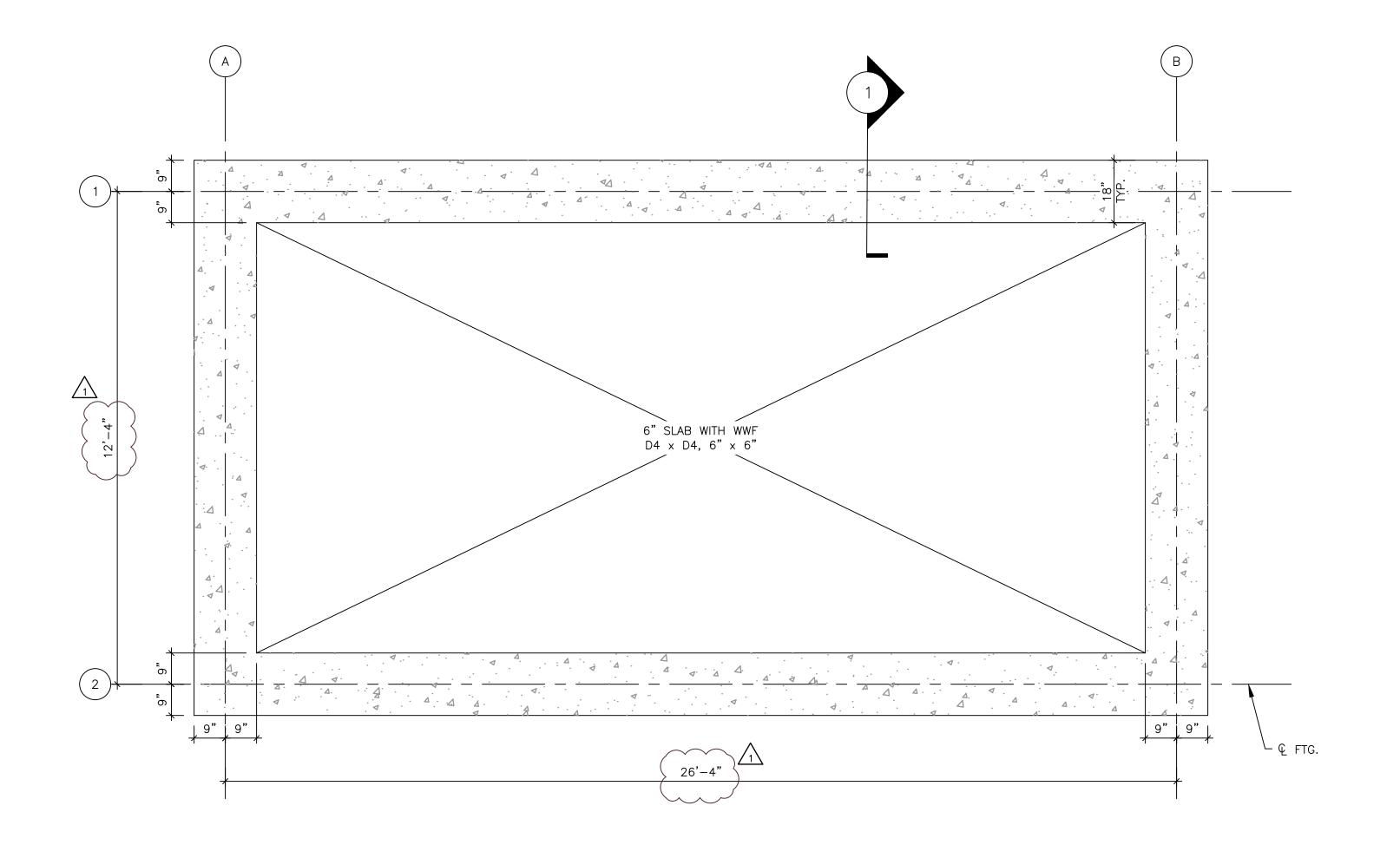
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BOOSTER STATION SITE & GRADING PLAN

SHEET NO.

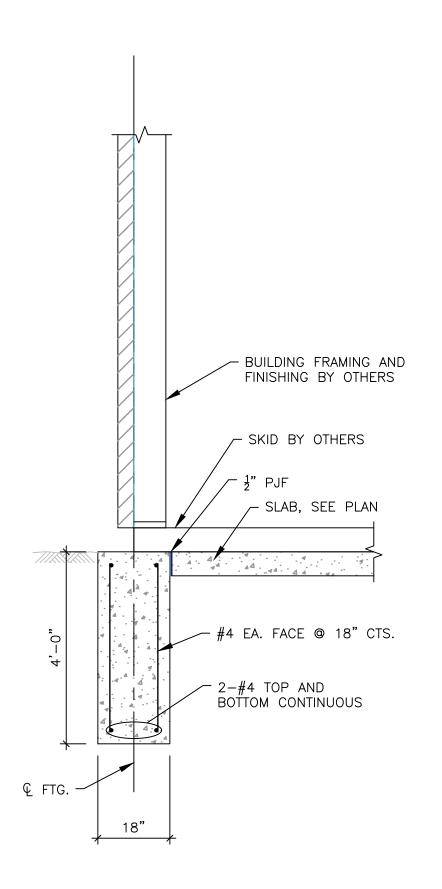
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- CONCRETE COMPRESSIVE STRENGTH, f'c, AT 28 DAYS SHALL = 4,000 PSI.
 DESIGN ASSUMES ALLOWABLE SOIL BEARING PRESSURE OF 2,000 PSI.
 AIR ENTRAINMENT OF EXTERIOR CONCRETE SHALL BE 4% TO 6%.
 SLUMP, WITHOUT USE OF SUPERPLASTICIZER ADMIXTURE, SHALL BE 4 TO 6 INCHES.
 IF SUPERPLASTICIZER IS USED, SLUMP MUST BE ADJUSTED SO THAT THE 4 TO 6 INCHES IS MET AFTER ADMIXTURE IS ADDED.



SECTION 1

SCALE: NONE

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BAR IS ONE INCH ON OFFICIAL DRAWINGS. DRAWN BY: WJH JOB DATE: APPROVED: JMW JOB NUMBER: 160386.01
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McHENRY COUNTY COLLEGE WATER SERVICE EXTENSION & BOOSTER STATION INSTALLATION

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BOOSTER STATION FOUNDATION

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