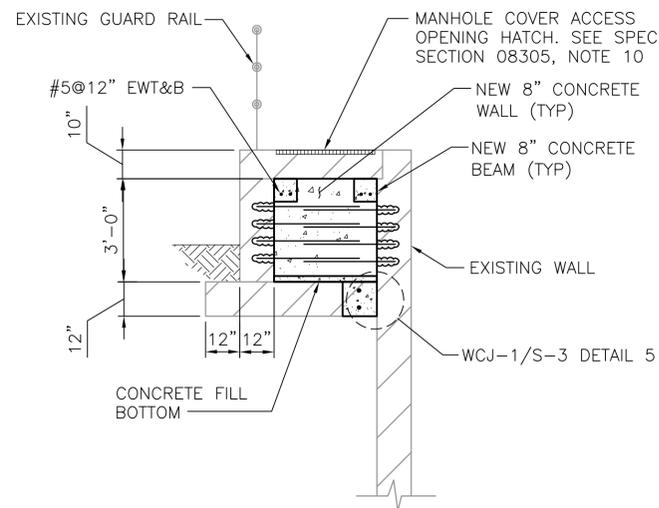


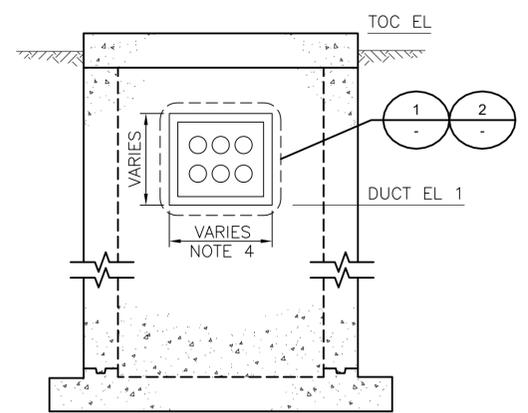
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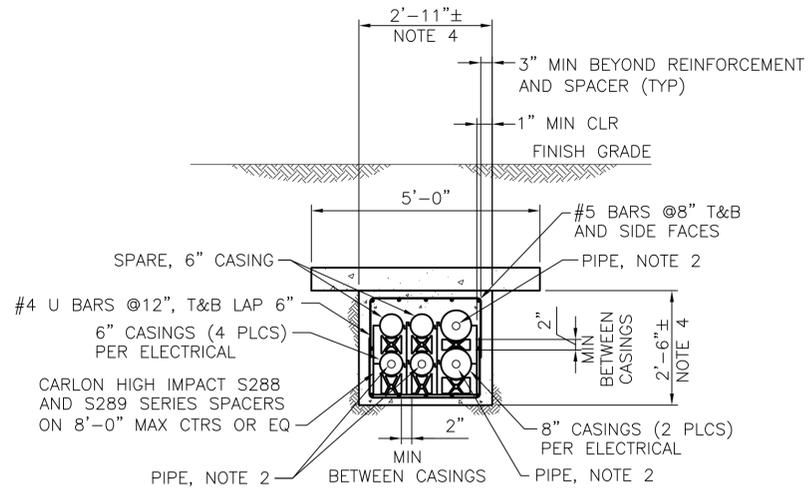
STRUCTURAL NOTES:

1. MATERIALS:
 - A. CAST-IN-PLACE CONCRETE $f'_c=4,500$ PSI AT 28 DAYS.
 - B. REINFORCEMENT: $F_y=60$ KSI.
2. DESIGN LOADS PER 2006 INTERNATIONAL BUILDING CODE (IBC) AND AS INDICATED BELOW.
 - A. HATCH SUPERIMPOSED LIVE LOAD: 250 PSF.
3. DESIGN PARAMETERS:
 - A. AT-REST EQUIVALENT FLUID PRESSURE: 98 PCF.
 - B. BUOYANT SOIL UNIT WEIGHT: 70 PCF.
 - C. SOIL UNIT WEIGHT 130 PCF AND LATERAL SURCHARGE EQUIVALENT OF 2 FT SOIL DEPTH (260 PSF)
4. STRUCTURE SHALL NOT BE BACKFILLED UNTIL CONCRETE HAS ATTAINED DESIGN STRENGTH.
5. ALLOWABLE SOIL BEARING PRESSURE IS 2000 PSF. REFER TO GEOTECHNICAL REPORT FOR ADDITIONAL SOIL INFORMATION.

MANHOLE SECTION
SECTION **A**
3/8" = 1'-0"



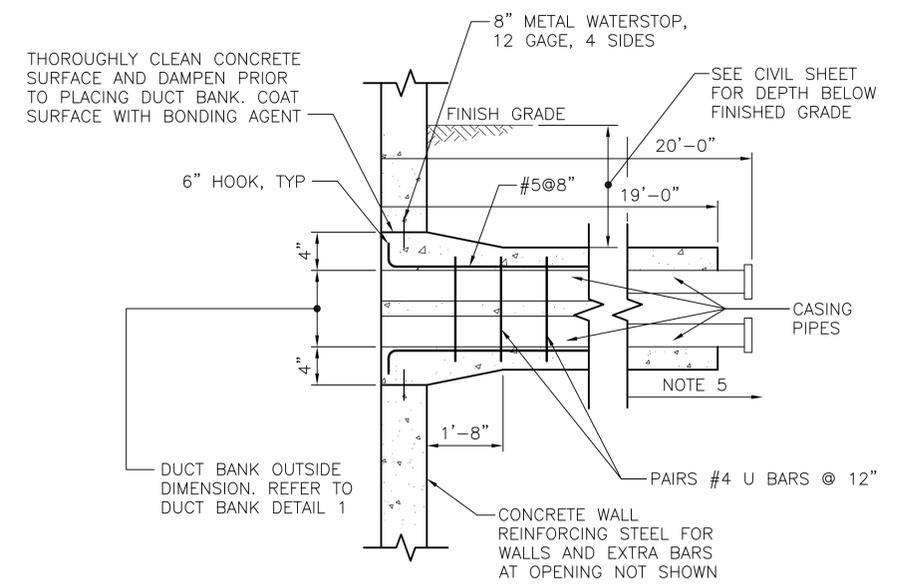
MANHOLE ELEVATION
ELEVATION
3/8" = 1'-0"



ELECTRICAL DUCT BANK AND CHEMICAL MANHOLE NOTES:

1. ALL CASING PIPES TO BE SCH 40 PVC PER SPEC 15067, PVC-1.
2. SEE ELECTRICAL PIPING MATERIAL AND SIZES.
3. ALL PIPING INSIDE MANHOLE SHALL BE SUPPORTED FROM FLOOR AND WALL AND SECURED WITH SS SUPPORTS AS SPECIFIED IN SECTION 15140.
4. DIMENSION WILL VARY W/SPACER.
5. OPENING SHALL BE PROVIDED IN MANHOLE WALLS FOR CONDUIT BANK ENTRANCE AS REQUIRED.
6. ALL REINFORCING ON THIS DETAIL SHALL BE #5@12" UNLESS NOTED OTHERWISE.
7. CONCRETE TO BE ROUGH AND CLEAN AT CONSTRUCTION JOINT FACES.
8. PROVIDE CORROSION PROTECTION LINING SYSTEM AS SPECIFIED WITH SAURERE FOR ALL INTERIOR SURFACES OF THE CHEMICAL DUCT BANK MANHOLES.
9. VAPOR RETARDER SHALL BE INSTALLED BENEATH THE FILL OF THE DUCT BANK MANHOLES BOTTOM IN ACCORDANCE WITH SPECIFICATION XXXXX. THE VAPOR RETARDER SHALL BE INSTALLED BENEATH THE SLAB, EXTENDING 6 INCHES INTERIOR FROM THE EXTERNAL EDGE OF THE FOOTING AROUND THE ENTIRE PERIMETER.
10. DAMPPROOFING SHALL BE PROVIDED FOR THE CHEMICAL DUCT BANK MANHOLES IN ACCORDANCE WITH SPECIFICATION XXXXX.

ELECTRICAL DUCT BANK
DETAIL **1**
1/2" = 1'-0"



TYPICAL UNDERGROUND DUCT BANK ENTRANCE

DETAIL
2
1/2" = 1'-0"

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: _____
 DRAWN BY: _____
 SHEET CHK'D BY: _____
 CROSS CHK'D BY: _____
 APPROVED BY: _____
 DATE: APRIL 2015

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CITY OF WICHITA, KANSAS
 WATER AND SEWER DEPARTMENT
SEWAGE TREATMENT PLANT NO.2
IMPROVEMENTS UV DISINFECTION

EFFLUENT UV DISINFECTION FACILITY
MANHOLE SECTIONS AND DETAILS

PROJECT NO. 2395-104609
 FILE NAME: _____
 SHEET NO. **S-9**

