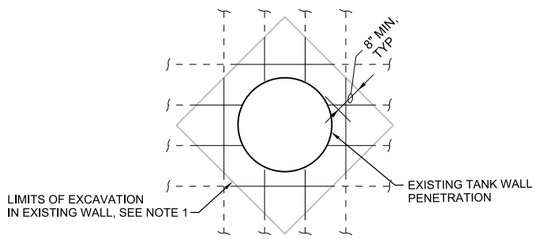
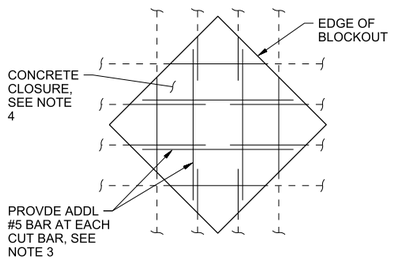
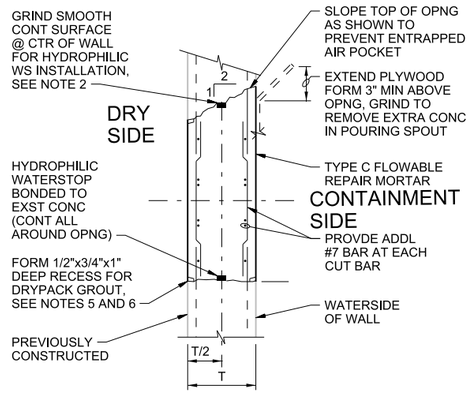


ELEVATION (PRIOR TO PIPE REMOVAL)



ELEVATION (AFTER PIPE REMOVAL)



SECTION

NOTES:

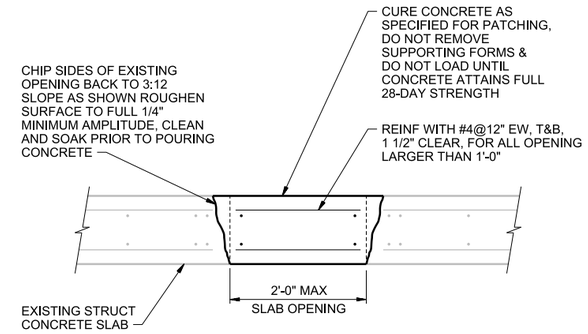
1. REMOVE EXISTING PENETRATION AND SURROUNDING CONCRETE TO LIMITS SHOWN.
2. AFTER PENETRATION IS REMOVED, GRIND 1 1/2" WIDE x CONT SMOOTH SURFACE ALL AROUND THE OPENING AT CENTER OF WALL. CLEAN SURFACES AND BOND CONTINUOUS HYDROPHILIC WATERSTOP IN PLACE.
3. INSTALL ADDITIONAL REINFORCING AT EACH CUT BAR AS SHOWN.
4. SOAK CONCRETE SURFACES AND WITHIN 15-MINUTES CAST CONCRETE CLOSURE (CONCRETE CLOSURE MUST BE CAST BEFORE HYDROPHILIC WATERSTOP EXPANDS). FORM GROOVE ON ALL SIDES OF OPENING EXCEPT AT TOP ON THE POUR SIDE.
5. CLEAN SURFACES OF FORMED GROOVE WITH POWER WIRE BRUSH OR SANDBLASTING AND DRY-PACK WITH NON-SHRINK GROUT AFTER CONCRETE CLOSURE IS A MINIMUM OF 28-DAYS OLD.
6. FILL FORMED CAVITY WITH FLOWABLE TYPE-C REPAIR MORTER PER SPECIFICATION SECTION 03 01 32 VERTICAL AND OVERHAD CONCRETE REPAIRS.

EXISTING PIPE PENETRATION INFILL (> 5" DIAMETER)

NTS

NOTE:
FOR ROUND PENETRATIONS LESS THAN 5" IN DIAMETER. PENETRATION MAY BE FILLED WITH TYPE II NON-SHRINK GROUT.

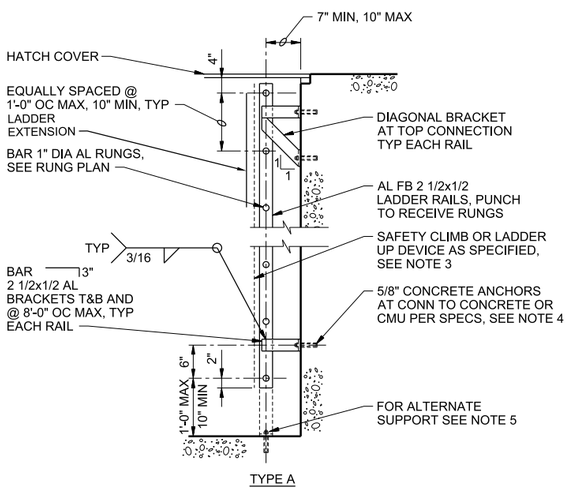
3353



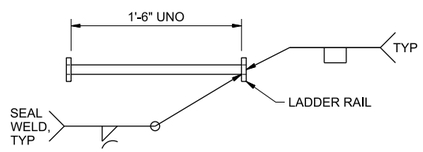
EXISTING SLAB OPENING REPAIR

NTS

0330-142



TYPE A



RUNG PLAN

FLAT BAR LADDER UNDER COVER

NOTES:

1. LADDER AND ACCESSORIES SHALL BE FABRICATED FROM TYPE 316 STAINLESS STEEL.
2. AT CONTRACTOR'S OPTION, PRE ENGINEERED PIPE LADDER AS SPECIFIED MAY BE USED IN LIEU OF FLAT BARE LADDERS.
3. PROVIDE SAFETY CLIMB DEVICE FOR LADDERS 20' OR GREATER. FOR TYPE A LESS THAN 20' PROVIDE LADDER UP DEVICE.
4. PROVIDE SST CONCRETE ANCHORS.

FLAT BAR LADDER - STAINLESS STEEL

NTS

0551-141

NO.	DATE	REVISION	BY	APVD

DSGN S CLARK | DR N PATTERSON | CHK L ZHANG | APVD L ZHANG

SLUDGE STORAGE TANKS REHABILITATION
NEW LONDON, CONNECTICUT
WASTE WATER TREATMENT PLANT
NEW LONDON, CONNECTICUT

STRUCTURAL
DETAILS

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VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	NOVEMBER 2016
PROJ	668991
DWG	DL-002
SHEET	of

BID DOCUMENTS