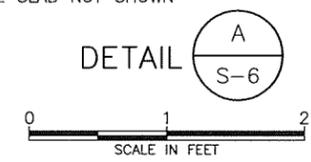
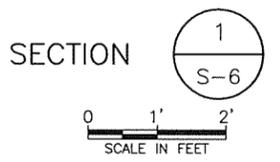
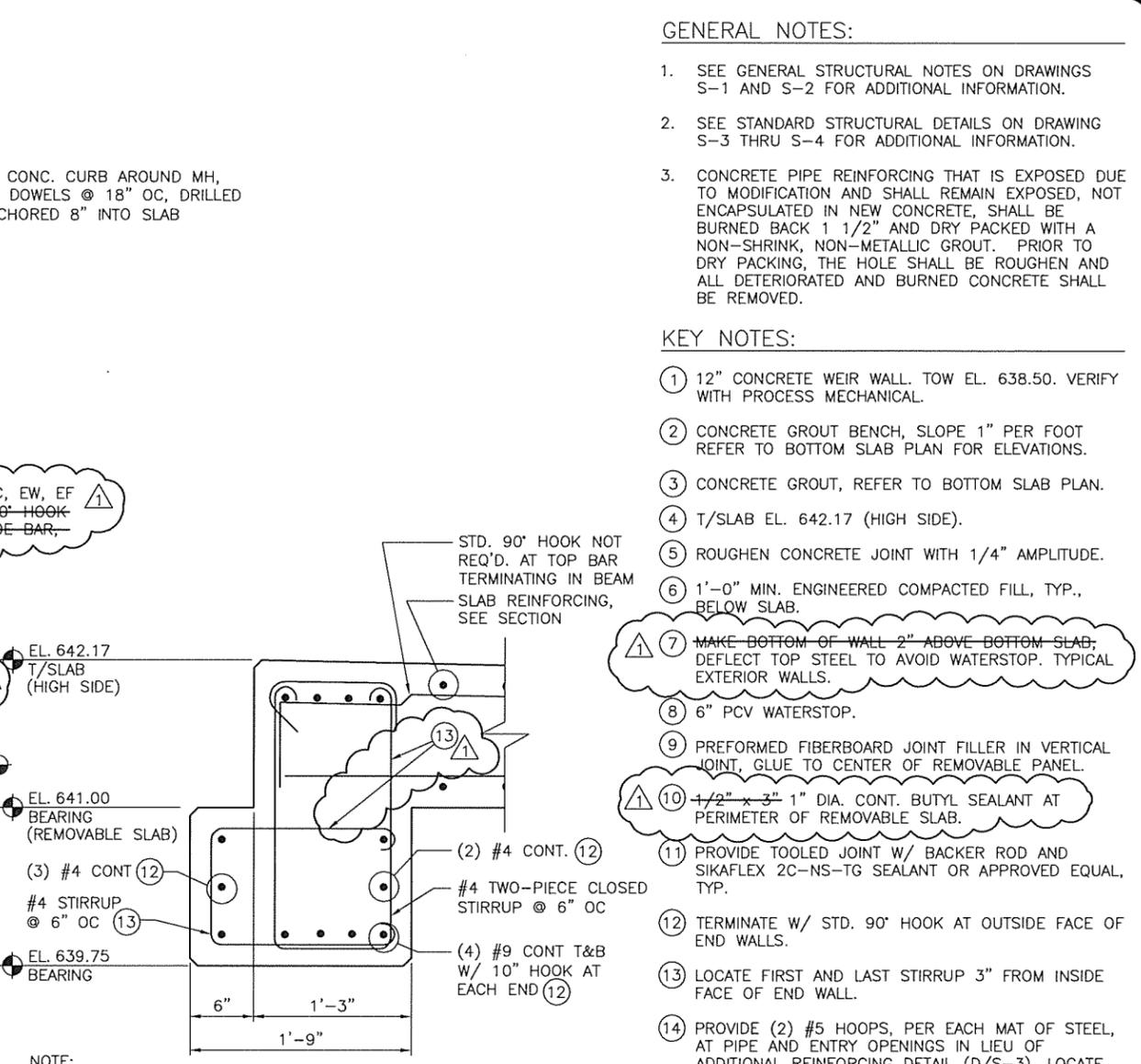
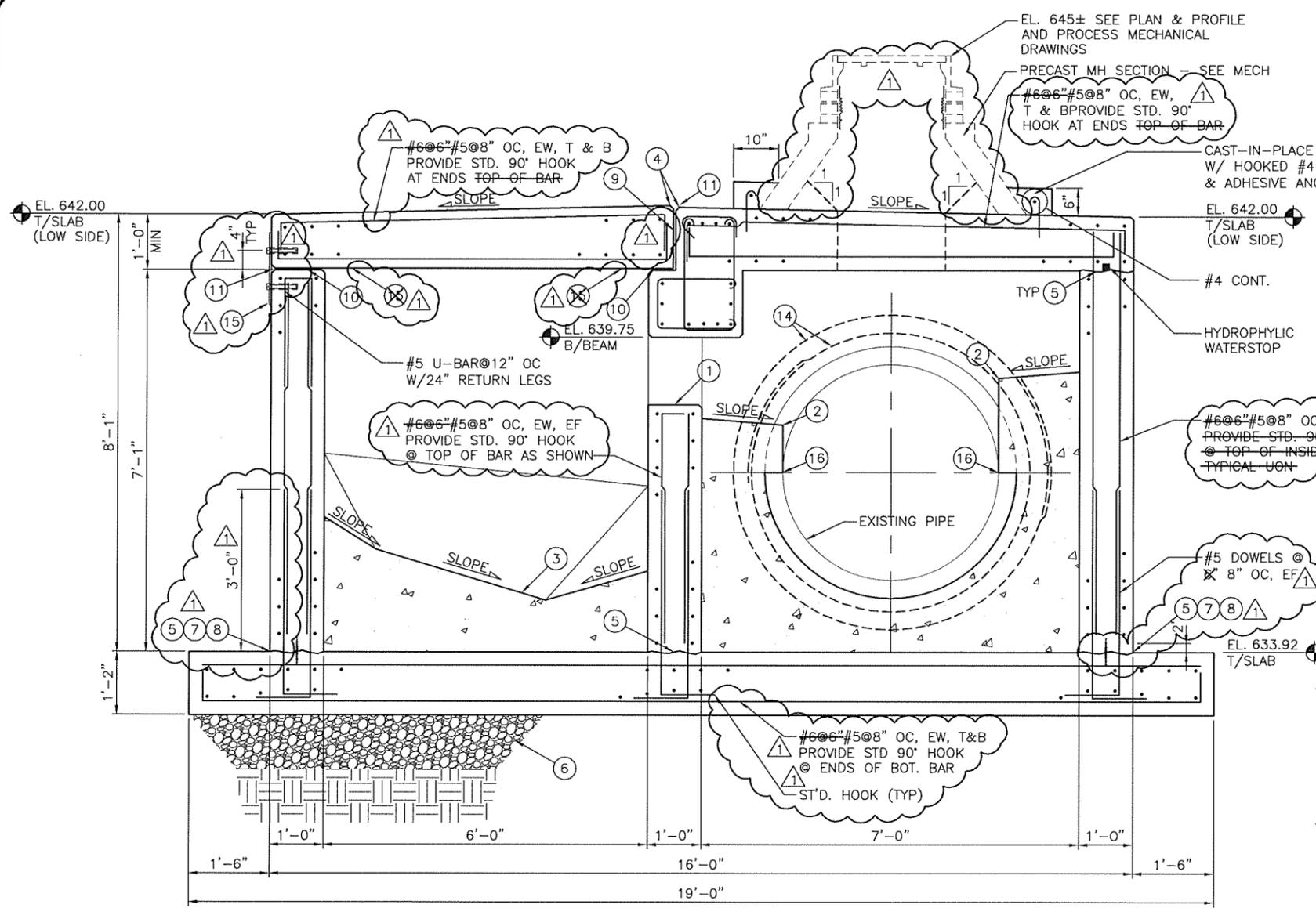


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- GENERAL NOTES:**
- SEE GENERAL STRUCTURAL NOTES ON DRAWINGS S-1 AND S-2 FOR ADDITIONAL INFORMATION.
 - SEE STANDARD STRUCTURAL DETAILS ON DRAWING S-3 THRU S-4 FOR ADDITIONAL INFORMATION.
 - CONCRETE PIPE REINFORCING THAT IS EXPOSED DUE TO MODIFICATION AND SHALL REMAIN EXPOSED, NOT ENCAPSULATED IN NEW CONCRETE, SHALL BE BURNED BACK 1 1/2" AND DRY PACKED WITH A NON-SHRINK, NON-METALLIC GROUT. PRIOR TO DRY PACKING, THE HOLE SHALL BE ROUGHEN AND ALL DETERIORATED AND BURNED CONCRETE SHALL BE REMOVED.
- KEY NOTES:**
- 12" CONCRETE WEIR WALL. TOW EL. 638.50. VERIFY WITH PROCESS MECHANICAL.
 - CONCRETE GROUT BENCH, SLOPE 1" PER FOOT REFER TO BOTTOM SLAB PLAN FOR ELEVATIONS.
 - CONCRETE GROUT, REFER TO BOTTOM SLAB PLAN.
 - T/SLAB EL. 642.17 (HIGH SIDE).
 - ROUGHEN CONCRETE JOINT WITH 1/4" AMPLITUDE.
 - 1'-0" MIN. ENGINEERED COMPACTED FILL, TYP., BELOW SLAB.
 - MAKE BOTTOM OF WALL 2" ABOVE BOTTOM SLAB; DEFLECT TOP STEEL TO AVOID WATERSTOP. TYPICAL EXTERIOR WALLS.
 - 6" PCV WATERSTOP.
 - PREFORMED FIBERBOARD JOINT FILLER IN VERTICAL JOINT, GLUE TO CENTER OF REMOVABLE PANEL.
 - 1/2" x 3/4" DIA. CONT. BUTYL SEALANT AT PERIMETER OF REMOVABLE SLAB.
 - PROVIDE TOOLED JOINT W/ BACKER ROD AND SIKAFLEX 2C-NS-TG SEALANT OR APPROVED EQUAL, TYP.
 - TERMINATE W/ STD. 90° HOOK AT OUTSIDE FACE OF END WALLS.
 - LOCATE FIRST AND LAST STIRRUP 3" FROM INSIDE FACE OF END WALL.
 - PROVIDE (2) #5 HOOPS, PER EACH MAT OF STEEL, AT PIPE AND ENTRY OPENINGS IN LIEU OF ADDITIONAL REINFORCING DETAIL (D/S-3). LOCATE FIRST HOOP 3" FROM EDGE OF OPENING. LOCATE SECOND HOOP 4" FROM FIRST HOOP.
 - 6"x6"x3/8"x18" AT EACH CORNER AND MID POINTS OF LONG SIDE OF VAULT. ATTACH EACH LEG W/ 2 - 3/4" SS BOLTS INTO SLEEVE INSERTS.
 - 16" WIDE x 16" HIGH x 1/2" GALV. STEEL P ANCHORED W/ 3/4" SS ANCHORS IN SLEEVE INSERTS. PROVIDE 2 ANCHORS IN SLAB AND 2 IN WALL SPACED AT 12" HORIZONTALLY. LOCATE P'S AS SHOWN ON S-5.
 - SAW-CUT EXISTING PIPE AT SPRING LINE.

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA

SIGNATURE: *Steven W. Jantzen* TYPED OR PRINTED NAME: STEVEN W. JANTZEN
 DATE: 5-XX-10 REG. NO. 15073

DESIGNED BY: BAS	DRAWN BY: KRL	CHECKED BY: JAS
NUM 1	ADDDENDUM 1	DATE 6-3-10
REVISIONS		

BROWN AND CALDWELL

MSA
 TRANSPORTATION • MUNICIPAL • REMEDIATION
 DEVELOPMENT • ENVIRONMENTAL

DESIGNED BY: BAS
 DRAWN BY: KRL
 CHECKED BY: JAS

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

SIGNATURE: *Steven W. Jantzen* REG. NO. 15073 DATE 6-10-2010

CITY PROJ. NO. 0891SN

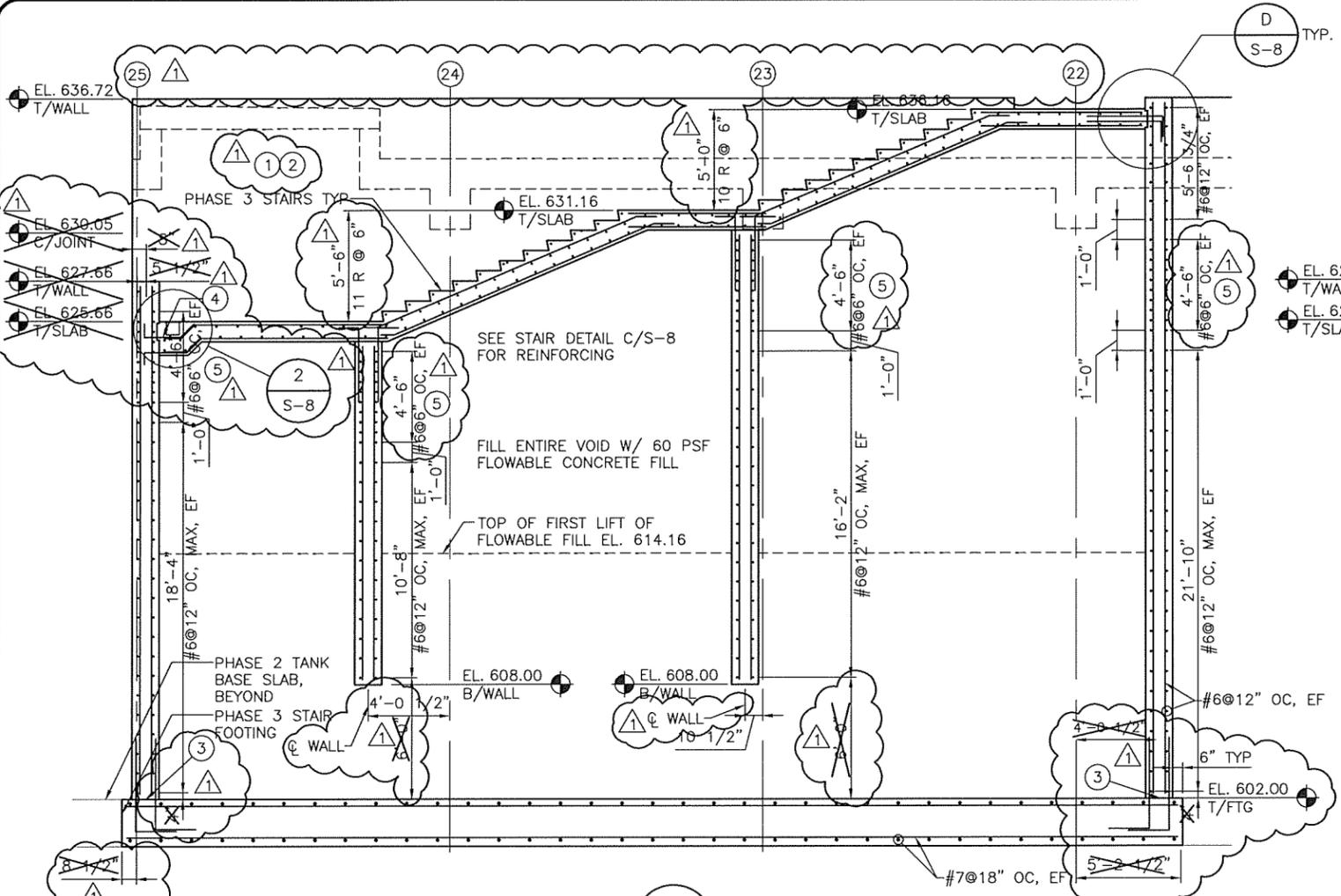
EAST INTERCEPTOR SANITARY SEWER OVERFLOW STORAGE FACILITY - PHASE 3

SHEET NO. S-6

DIVERSION STRUCTURE SECTIONS & DETAILS

2:38pm 02 Jun 2010

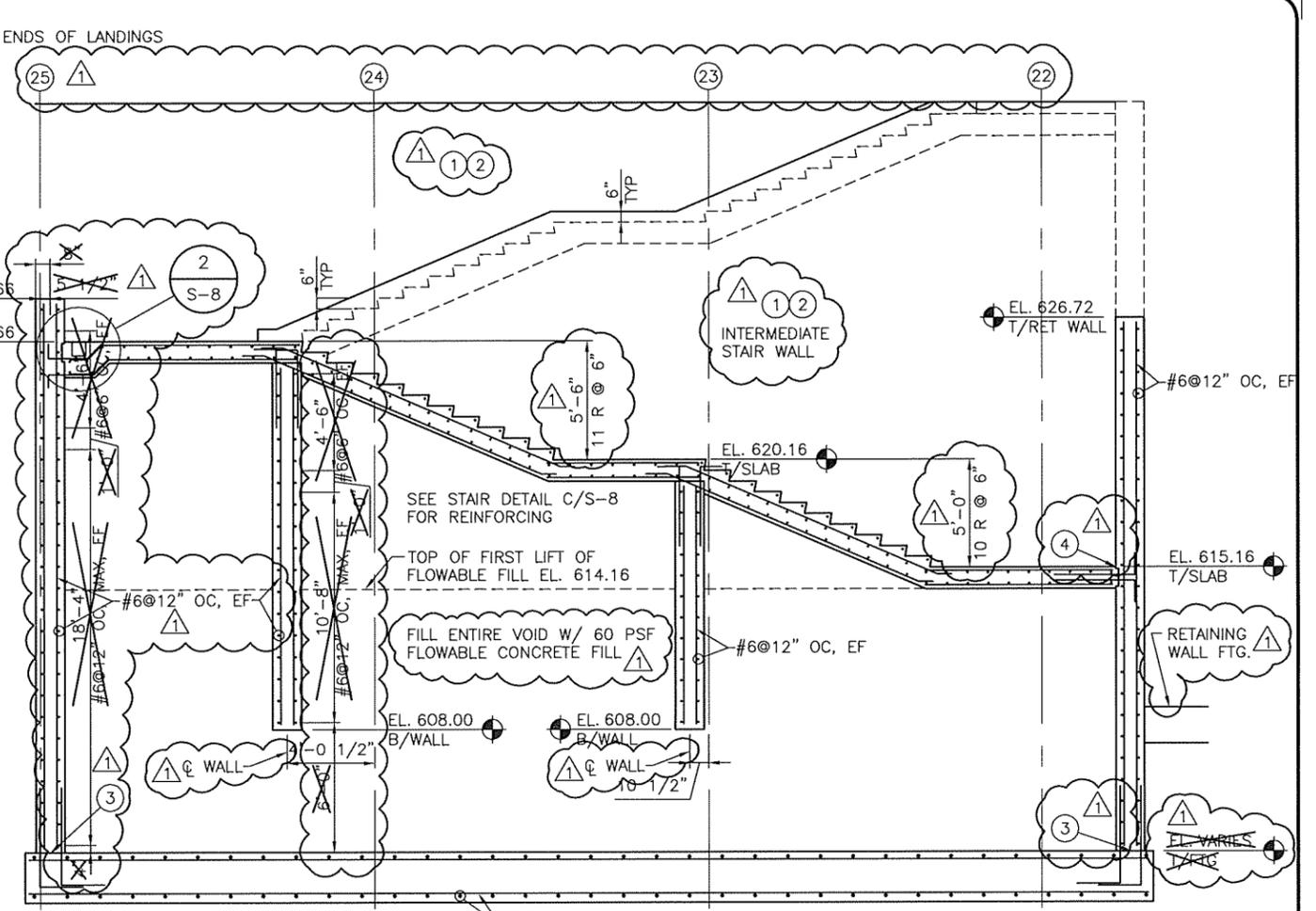
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SECTION 1
S-9

0 8' 16'

SCALE IN FEET



SECTION 2
S-9

0 8' 16'

SCALE IN FEET

NOTE: GENERAL NOTES & KEY NOTES ON THIS SHEET APPLY TO SHEETS S-8 & S-9.

GENERAL NOTES:

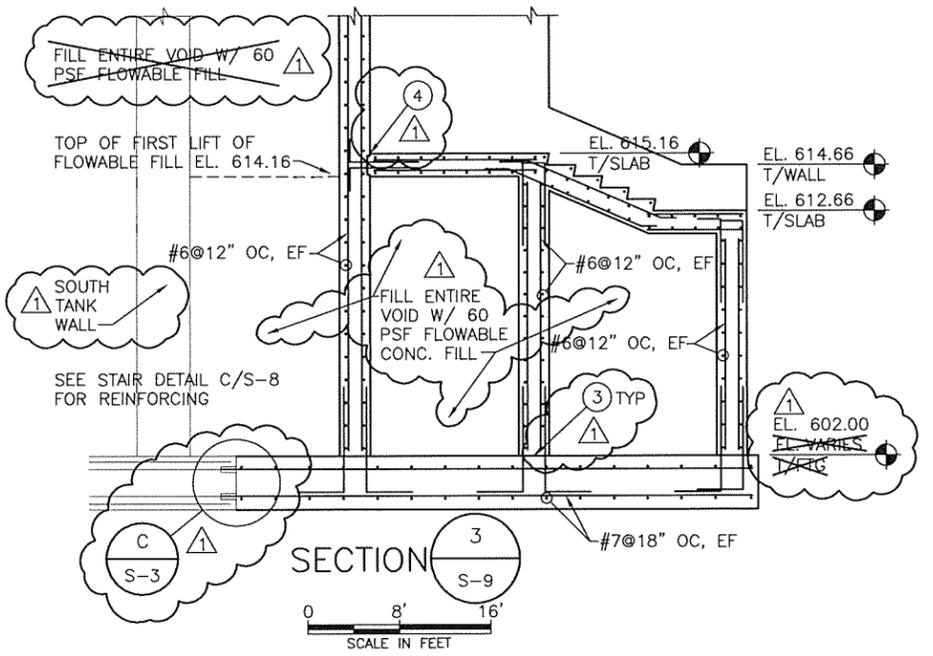
1. SEE STRUCTURAL-ARCHITECTURAL AND GENERAL DRAWINGS FOR PROPOSED GRADE ON ARCHITECTURAL FACING SIDE OF ALL WALLS.
2. VOIDS UNDER STAIRS & LANDINGS SHALL BE COMPLETELY FILLED WITH FLOWABLE FILL. REFERENCE SPEC. 03 30 10.
3. PROVIDE 3/4" CHAMFER ON EXPOSED CORNERS OF WALLS.
4. REFERENCE PHASE 2 DRAWING S-20 FOR LOCATION OF DOWEL BAR SPLICES.

KEY NOTES:

- 1 ARCHITECTURAL FORMED SURFACE. REFERENCE STRUCTURAL-ARCHITECTURAL DRAWINGS FOR LOCATION AND LAYOUT.
- 2 PROVIDE 3" (MAX.) AND 2" (MIN.) CLEAR COVER AT TYPICAL LOCATIONS OF ARCHITECTURAL FORMED SURFACES. 2" CLEAR COVER SHALL BE AT RECESSED AREA. REFERENCE STRUCTURAL-ARCHITECTURAL DRAWINGS FOR LOCATION AND DETAILS.
- 3 ROUGHEN CONSTRUCTION JOINT WITH 1/4" AMPLITUDE.
- 4 6" PVC WATERSTOP SEALANT GROOVE AND SEALANT AT EDGES OF STAIRS AND LANDINGS.
- 5 HYDROPHILIC WATERSTOP EXTEND #6@6" FROM TANK WALL TO SOUTH FACE OF INTERMEDIATE STAIR WALL. CONTINUE #6@12" BEYOND INTERMEDIATE STAIR WALL.
- 6 SEALANT GROOVE AND SEALANT. #5 x 3'-0" LONG DOWELS ADHESIVE BONDED TO TANK WALL @ 12" OC.
- 7 PREFORMED FIBERBOARD JOINT FILLER.

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA

TYPED OR
SIGNATURE: *Steven W. Jantzen* PRINTED NAME: STEVEN W. JANTZEN
DATE: 5-XX-10 REG. NO. 15073



SECTION 3
S-9

0 8' 16'

SCALE IN FEET

BROWN AND CALDWELL

Designed By: BAS
Drawn By: KRL
Checked By: JAS

1	ADDENDUM 1	6-3-10
NUM	REVISIONS	DATE

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA

SIGNATURE: *Harold Smith* P.E. REG. NO. 46875 DATE 10-10-200

CITY PROJ. NO. 0891SN

EAST INTERCEPTOR SANITARY SEWER
OVERFLOW STORAGE FACILITY - PHASE 3

SHEET NO. S-9

STAIRWAY SECTIONS

