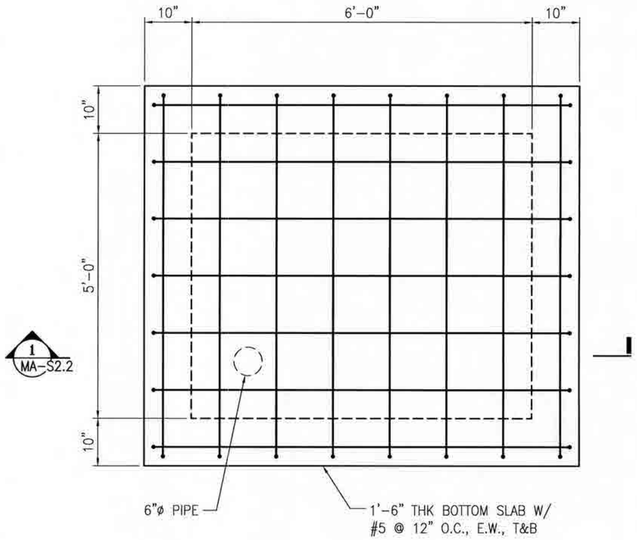
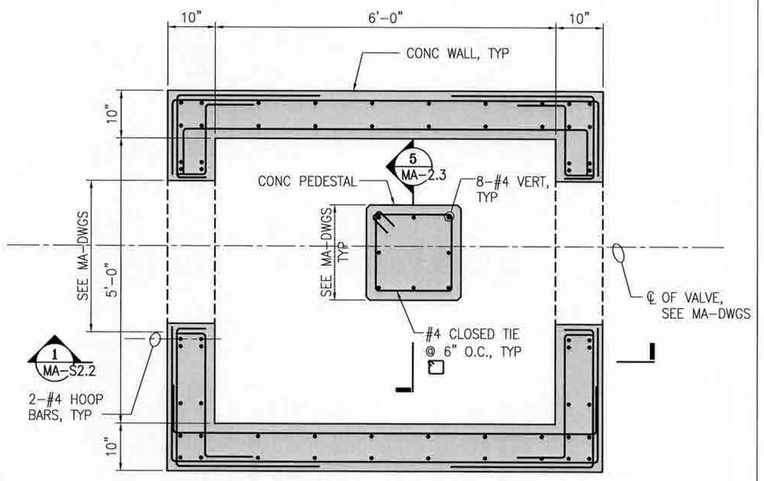
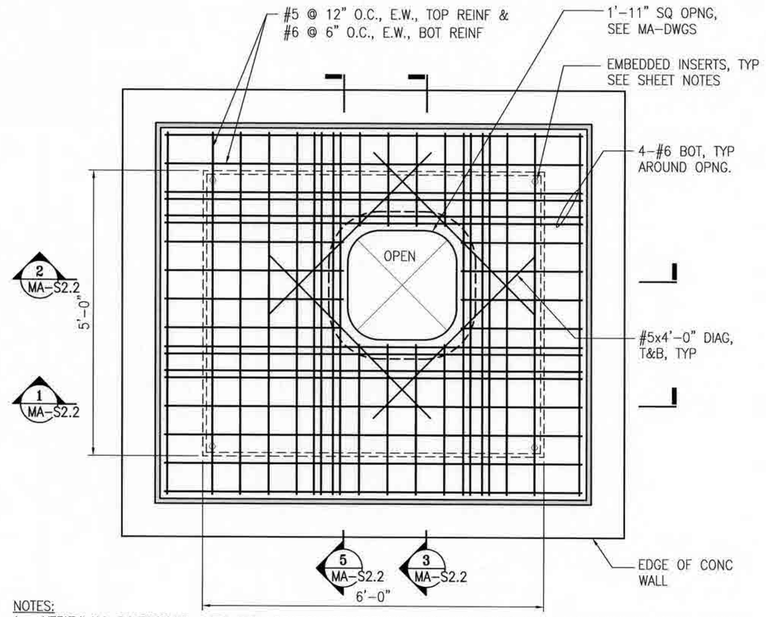


NOTES:
1. VERIFY ALL DIMENSIONS, SIZE AND LOCATION OF OPENINGS WITH MA-DWGS PRIOR TO START OF CONSTRUCTION.
2. SLOPE FOUNDATION SLAB TO DRAIN PIPE.

BOTTOM SLAB PLAN 1/–
3/4"=1'-0"



MID-HEIGHT PLAN 2/–
3/4"=1'-0"



NOTES:
1. VERIFY ALL DIMENSIONS, SIZE AND LOCATION OF OPENINGS WITH MA-DWGS PRIOR TO START OF CONSTRUCTION.
2. STIRRUPS NOT SHOWN FOR CLARITY.

TOP SLAB PLAN 3/–
3/4"=1'-0"

SHEET NOTES:
1. VERIFY ALL DIMENSIONS, SIZE AND LOCATION OF OPENINGS, SLOPES, ETC WITH MA DRAWINGS PRIOR TO START OF CONSTRUCTION.
2. CONTRACTOR SHALL SUBMIT THE FOLLOWING FOR REVIEW AND APPROVAL PRIOR TO FABRICATION OF REMOVABLE TOP SLAB:
   a. SHOP DRAWINGS INCLUDING PRODUCT DATA AND CERTIFICATE OF EMBEDDED INSERTS.
   b. CALCULATIONS, INCLUDING PROPOSED LOCATION OF EMBEDDED INSERTS, STAMPED AND SIGNED BY A CIVIL ENGINEER REGISTERED IN CALIFORNIA.
3. INSERTS SHALL BE 316 STAINLESS STEEL.
4. TESTING OF EMBEDDED INSERTS: APPLY DIRECT TENSION TEST LOAD OF 1.5 TIMES THE FORCE AT EACH INSERT. TEST ALL INSERTS.
5. MAX PANEL WEIGHT = 11,000 LBS.
6. PLUG ALL INSERTS WITH PLASTIC THREADED BOLTS, FLUSH WITH SURFACE.
7. FOR INFORMATION NOT SHOWN OR NOTED, SEE MA DRAWINGS.
8. MONITOR AND SURVEY EXISTING ADJACENT BUILDINGS FOR MOVEMENT, INCLUDING SETTLEMENT, BEFORE AND AFTER EXCAVATION, AND DURING CONSTRUCTION OF VAULT.
9. PROVIDE SHORING DURING EXCAVATION PER CAL-OSHA REQUIREMENTS; SUBMIT SHORING DESIGN, STAMPED AND SIGNED BY A CIVIL ENGINEER REGISTERED IN CALIFORNIA, FOR REVIEW AND APPROVAL.
10. GEOTECHNICAL ENGINEER SHALL BE ON SITE DURING EXCAVATION AND BACKFILL. DO NOT PLACE FORM, REINFORCEMENT, CONCRETE OR FILL MATERIAL PRIOR TO SPECIAL INSPECTION AND APPROVAL BY GEOTECHNICAL ENGINEER.
11. NO BACKFILL SHALL OCCUR BEHIND WALL UNTIL CONCRETE HAS CURED TO ACHIEVE MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI.
12. REFER TO MA-DWGS FOR EXACT LOCATIONS OF PIPE AND CONDUIT PENETRATIONS, PLACEMENT OF WALL SLEEVE AT MAINLINE PIPE PENETRATION, DIMENSIONS AND EXACT LOCATION OF DOUBLE LEAF ACCESS DOOR AND 23" SQUARE MANHOLE, STREET PAVEMENT/ROADWAY BASE WORK, AND RELATED DETAILS.
13. REMOVE AND REINSTALL PAVEMENT, CONCRETE ROAD BASE, ETC AS REQUIRED TO INSTALL CONCRETE VAULT.
14. THE DETAILS SHOWN ON THESE DRAWINGS ARE SOLELY FOR THE CONSTRUCTION OF CONCRETE VAULT FOR THE 19TH AVENUE ROADWAY IMPROVEMENT PROJECT.

REFERENCES
GATE BOOK PAGES, PLANS, SURVEY NOTES, ETC, USED
GATE BOOK PAGES NO.

REGISTERED PROFESSIONAL ENGINEER
WILLIAM W. LI ANG
No. S5157
STRUCTURAL
STATE OF CALIFORNIA
12/18/18

CITY AND COUNTY OF SAN FRANCISCO
SAN FRANCISCO PUBLIC WORKS
BUREAU OF DESIGN AND ENGINEERING

SECTION MANAGER	12/18/18	DRAWN BH	01/2019
DEPUTY BUREAU MANAGER	12/19/18	DESIGNED WY	01/2019
BUREAU MANAGER	12/21/18	CHECKED WL	01/2019

NO.	DATE	DESCRIPTION	BY	APPR'D
		REVISIONS		

CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
WATER ENTERPRISE
CITY DISTRIBUTION DIVISION

19TH AVENUE (STATE ROUTE 1)
COMBINED CITY PROJECT

AUXILIARY WATER SUPPLY SYSTEM WORK

DETAILS I

APPROVED	APPROVED	SCALE
ENGINEERING MANAGER	MANAGER, CITY DISTRIBUTION DIVISION	AS SHOWN
		DATE 01/2019
SHEET 295 OF 356	PLAN NO. MA-S2.1	FILE NO. 111,593
		REVISION NO. 0

PLAN APPROVAL DATE	CONTRACT No.	PROJECT ID	DISTRICT	COUNTY	ROUTE	POST MILES TOTAL PROJECT
	04-0G3501	0400000325	04	SF	1	R0.94/4.05

SFPW JOB ORDER NO. 265ZJ

FILE:
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES 0 4

PLOT: EXTENTS
SCALE: 1:1
BORDER: 22,34
COLOR: No.
RED 0.70MM
YELLOW 0.20MM
GREEN 0.25MM
CYAN 0.40MM
BLUE 0.50MM
MAGENTA 0.20MM
WHITE 0.35MM
GRAY 0.15MM
9 0.15MM
10 1.00MM
100 0.50MM
210 0.50MM

SAVE:Monday, December 17, 2018 9:13:40 AM
FILE NAME:n:\2652j_19th_avenue_combined_city_project\2_Design\working_drawings\EME\current_awss\Structural drawings\2652J_19thAve-S2.dwg