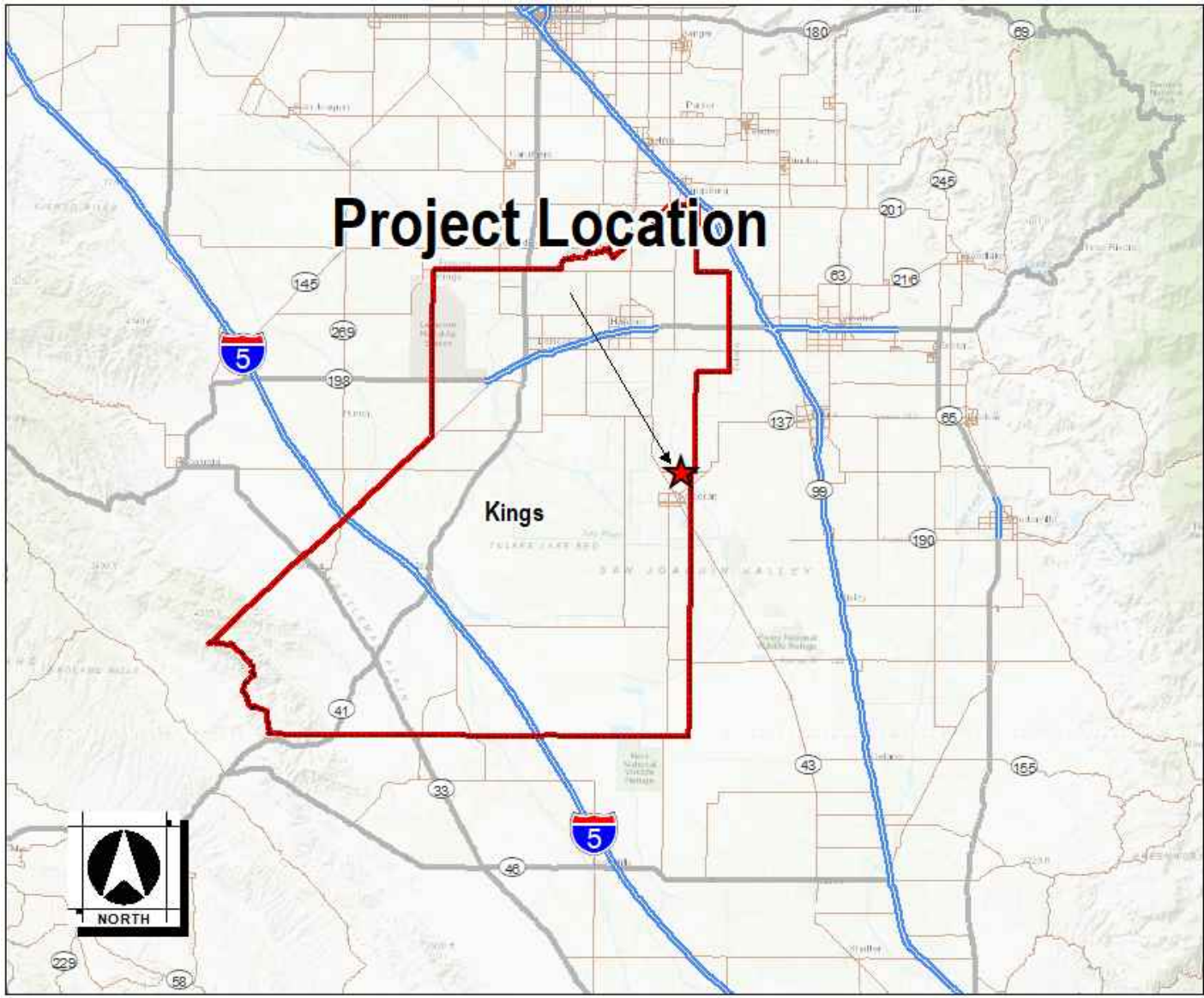
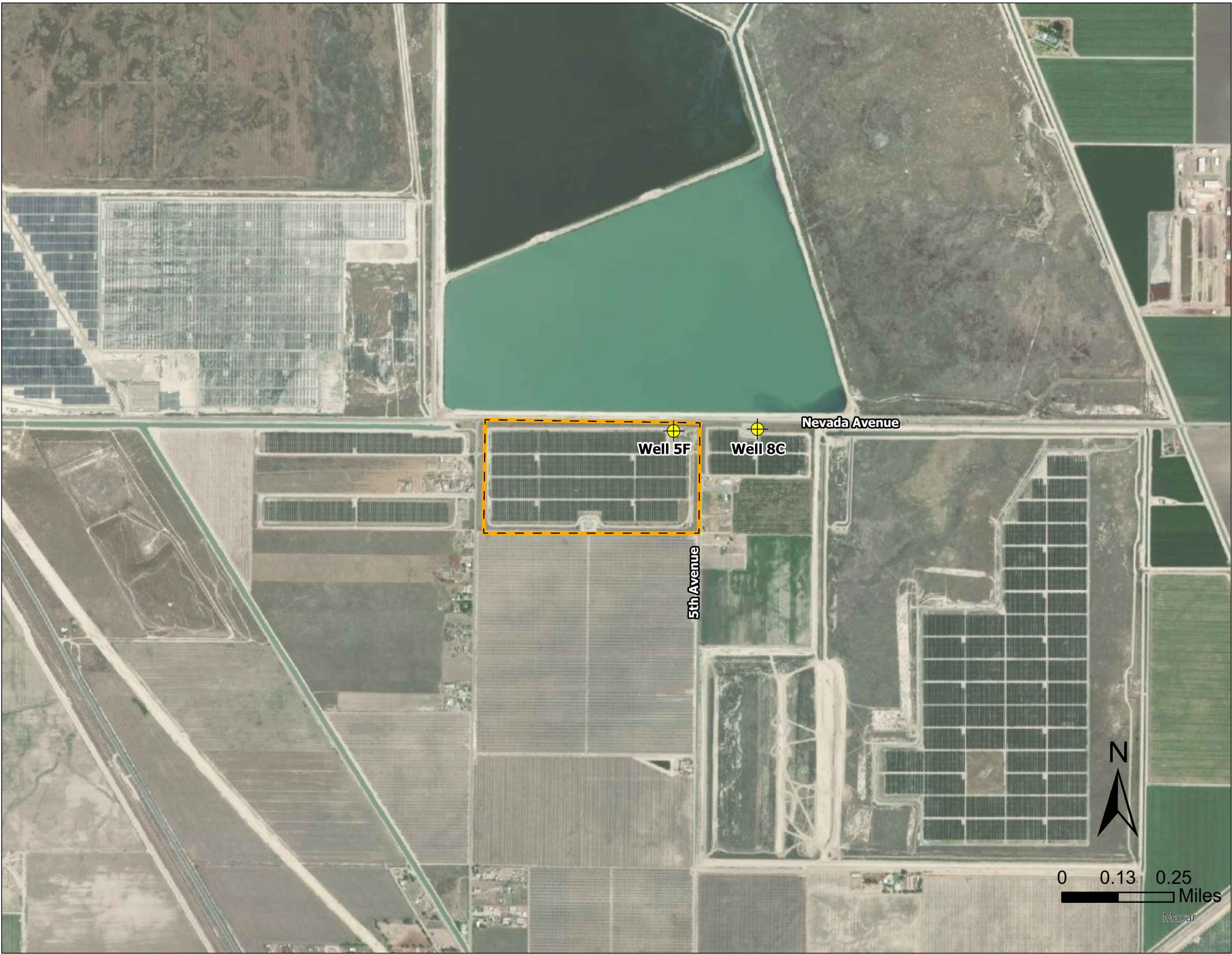




VICINITY MAP
N.T.S.



DRILLING, CONSTRUCTION, AND TESTING OF WELL 5F NEVADA AVE. CORCORAN, CALIFORNIA



GENERAL NOTES:

- CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONTRACTOR SHALL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO REGULAR WORKING HOURS, AND CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY, AND HOLD HARMLESS THE CITY OF CORCORAN, ITS EMPLOYEES, AGENTS AND WOOD RODGERS INC. FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT.
- ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE CITY OF CORCORAN STANDARD DRAWINGS AND SPECIFICATIONS, ALL APPLICABLE CALIFORNIA DEPARTMENT OF WATER RESOURCES' CALIFORNIA WATER WELL STANDARDS BULLETIN 74-81, ITS SUPPLEMENT BULLETIN 74-90, AMERICAN WATER WORKS ASSOCIATION WELLS STANDARDS A100-15, AND ANY APPLICABLE COUNTY AND LOCAL REQUIREMENTS.
- CONTRACTOR SHALL BE RESPONSIBLE TO REPORT DISCREPANCIES IN PLANS AND/OR FIELD CONDITIONS IN WRITING IMMEDIATELY TO THE HYDROGEOLOGIST FOR RESOLUTION PRIOR TO CONSTRUCTION, AND SHALL BE RESPONSIBLE FOR DISCREPANCIES NOT SO REPORTED AND RESOLVED.
- CONTRACTOR SHALL HAVE COPIES OF THE PLANS AND SPECIFICATIONS FOR THIS PROJECT ON SITE AT ALL TIMES, AND SHALL BE FAMILIAR WITH ALL APPLICABLE STANDARDS AND SPECIFICATIONS.
- THE CONTRACTOR SHALL IDENTIFY AND OBTAIN ALL NECESSARY LICENSES AND PERMITS IN ACCORDANCE WITH THE LAWS AND REGULATIONS GOVERNING THE WORK. ANY INFORMATION ABOUT SPECIFIC LICENSES OR PERMITS PROVIDED HEREIN IS FOR INFORMATIONAL PURPOSES AND DOES NOT RELIEVE THE CONTRACTOR OF THIS OBLIGATION.
- THE CONTRACTOR SHALL PROVIDE AND MAKE AVAILABLE A QUALIFIED AND EXPERIENCED FOREMAN AND DRILLING SUPERINTENDENT WHO WILL BE RESPONSIBLE FOR COORDINATING THE WORK SO THAT THE PROJECT IS SUCCESSFULLY EXECUTED WITHOUT CONFLICT OR DELAY.
- CONTRACTOR MAY PERFORM WORK OUTSIDE REGULAR WORKING HOURS (MONDAY THROUGH SATURDAY 7:00 A.M. - 6:00 P.M.) OR ON SUNDAYS OR LEGAL HOLIDAYS ONLY WITH OWNER'S WRITTEN CONSENT, WHICH WILL NOT BE UNREASONABLY WITHHELD.
- THE CONTRACTOR SHALL PROPERLY SAFEGUARD ALL EQUIPMENT, MATERIALS, AND WORK AGAINST LOSS, DAMAGE, MALICIOUS MISCHIEF OR TAMPERING BY UNAUTHORIZED PERSONS UNTIL ACCEPTANCE OF THE WORK BY THE OWNER.
- CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT (USA) AT (800) 227-2600 AT LEAST TWO (2) WORKING DAYS, BUT NO MORE THAN 28 WORKING DAYS, BEFORE ANY UNDERGROUND EXCAVATION AT THE SITE. IF NECESSARY, THE CONTRACTOR SHALL HAND DIG TO EXPOSE ANY UNDERGROUND UTILITIES THAT MAY CONFLICT WITH PLANNED EXCAVATION.
- IF THE CONTRACTOR DAMAGES, DISCONNECTS, OR RELOCATES ANY EXISTING FACILITIES OR UTILITIES, THE CONTRACTOR SHALL, AT CONTRACTOR'S OWN EXPENSE, RESTORE THEM TO THE ORIGINAL CONDITION AS SPECIFIED BY THE OWNER OF THE FACILITY OR UTILITY.
- CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS TO MATCH PRE-CONSTRUCTION CONDITION AFTER COMPLETION OF THE PROJECT.

LIST OF DRAWINGS

SHEET	DRAWING	DESCRIPTION
1	W-1	TITLE SHEET
2	W-2	WELL 5F - WELL LOCATION AND SITE LAYOUT
3	W-3	WELL 5F - PRELIMINARY DESIGN PROFILE
4	W-4	STANDARD CONSTRUCTION DETAILS - CASING
5	W-5	STANDARD CONSTRUCTION DETAILS - TESTING

DIAL TOLL FREE
811
AT LEAST TWO DAYS
BEFORE YOU DIG

811

Know what's below.
Call before you dig.

FINAL DESIGN

WOOD RODGERS
BUILDING RELATIONSHIPS ONE PROJECT AT A TIME
3301 G St. Bldg. 100-B Tel 916.341.7760
SACRAMENTO, CA 95816 Fax 916.341.7767

CONTRACT NUMBER

FACILITY _____
FILE NO. _____
DWG FILE _____
DRAWN J. TITULAR-MASON
DESIGNED S. SPAETH
CHECKED S. HNAT
PLAN SET DATE
AUGUST 2022



SURVEY		REVISIONS			
B.M.:	ELEV.:	ZONE	REV.	DESCRIPTION	BY DATE
DESC.					
PLANS:	F.B.:				
PROFILE:	F.B.:				
DATUM:					



CITY OF CORCORAN WELL 5F

TITLE SHEET

SCALE
AS SHOWN
DRAWING
W-1



- GENERAL NOTES:
1. CONTRACTOR SHALL CONFINE ALL CONSTRUCTION ACTIVITIES TO THE SUBJECT PARCEL
APN: 034012002000, ADJACENT EASEMENTS, AND PUBLIC RIGHT-OF-WAY, AND THE CONTRACTOR SHALL NOT ENCROACH ONTO PRIVATE PROPERTY WITHOUT THE PRIOR WRITTEN PERMISSION OF THE PROPERTY OWNER.
 2. A TRAFFIC CONTROL PROGRAM SHALL BE IMPLEMENTED TO PROTECT THE ENTRANCE TO THE SITE AND ANY EQUIPMENT OR VEHICLES ON THE ADJACENT ROADWAYS. AT A MINIMUM, THIS PROGRAM SHALL CONSIST OF INSTALLING TRAFFIC CONES AROUND ANY EQUIPMENT PARKED ON ROADWAYS AND AT THE SITE ENTRANCE. CONSTRUCTION AREA SIGNS AND TRAFFIC CONES SHALL BE FURNISHED, INSTALLED, MAINTAINED, AND REMOVED WHEN NO LONGER REQUIRED. THE TRAFFIC CONTROL PLAN SHALL INCLUDE CONTROL FOR THE CLOSURE OF NEVADA AVENUE BETWEEN 5TH AND 5 1/2 AVENUE WHILE DISCHARGING NORTH TO THE RESERVOIR. THE TRAFFIC CONTROL PLAN SHALL BE IN ACCORDANCE WITH THE CITY OF CORCORAN REQUIREMENTS.
 3. DRILLING FLUIDS SHALL BE CONTAINED AT ALL TIMES. IN NO EVENT SHALL DRILLING FLUIDS BE ALLOWED TO RUN OFF THE PROJECT SITE. WHEN NO LONGER IN USE, DRILLING FLUIDS SHALL BE DISPOSED OF WITHIN DESIGNATED AREA.
 4. CONTRACTOR SHALL STOCKPILE DRILL CUTTINGS AT THE PROJECT SITE. AT THE END OF THE PROJECT, THE CONTRACTOR SHALL SPREAD OUT THE DRILL CUTTINGS WITHIN THE DESIGNATED AREA.
 5. CONSTRUCTION WATER IS AVAILABLE FROM EITHER OF TWO FIRE HYDRANTS LOCATED APPROXIMATELY 2 MILES SOUTH OF THE PROPOSED WELL LOCATION. THE OWNER WILL PROVIDE CONSTRUCTION WATER AT NO COST. HOWEVER, THE CONTRACTOR MUST METER ALL WATER USED FOR CONSTRUCTION AND SHALL MAKE ALL EFFORT TO CAREFULLY CONSERVE WATER.
 6. THE CONTRACTOR SHALL PROVIDE AN APPROVED BACKFLOW PREVENTION DEVICE (BFP). THE BFP SHALL BE TESTED IN-SITU BY A CERTIFIED BFP TESTER AND THE TEST DATA SHALL BE PROVIDED TO THE HYDROGEOLOGIST AND OWNER FOR THEIR RECORDS.
 7. THE CONTRACTOR SHALL EVALUATE THE EXISTING SITE CONDITIONS AND SATISFY HIMSELF OR HERSELF OF THE NECESSARY LEVEL OF REQUIRED NOISE MITIGATION.
 8. CONTRACTOR SHALL SUPPLY TEMPORARY STORAGE TANKS (E.G., BAKER TANKS), CONNECTED IN SERIES, AND OF SUFFICIENT NUMBER AND CAPACITY TO ADEQUATELY SETTLE SUSPENDED SOLIDS WITHIN THE DISCHARGE PRIOR TO CONVEYANCE TO THE CANAL. THE CONTRACTOR SHALL NOT UTILIZE THE PUMP TO WASTE DISCHARGE LINE WHILE DISCHARGING TO THE DISCHARGE LOCATION. THE CONTRACTOR SHALL INSTALL AND UTILIZE TEMPORARY ABOVE GRADE DISCHARGE PIPING DURING DISCHARGE EVENTS.
 - 9.

\\yuba\9859_Corcoran_City\on\9859005_Well_5F\Docs\Specifications\PlanSets\DWG\W2_5F_Site_Layout.dwg 8/11/2022 6:35 PM Jazmine Titulor-Mason

DIAL TOLL FREE
811
AT LEAST TWO DAYS
BEFORE YOU DIG

811

Know what's below.
Call before you dig.

FINAL DESIGN

WOOD RODGERS
BUILDING RELATIONSHIPS ONE PROJECT AT A TIME
3301 G St. Bldg. 100-B Tel 916.341.7760
SACRAMENTO, CA 95816 Fax 916.341.7767

CONTRACT NUMBER

FACILITY _____
FILE NO. _____
DWG FILE _____
DRAWN J. TITULAR-MASON
DESIGNED S. SPAETH
CHECKED S. HNAT
PLAN SET DATE
AUGUST 2022



SURVEY		REVISIONS			
B.M.:	ELEV.:	ZONE	REV.	DESCRIPTION	BY DATE
DESC.					
PLANS:	F.B.:				
PROFILE:	F.B.:				
DATUM:					



CITY OF CORCORAN WELL 5F

WELL 5F - WELL LOCATION AND SITE LAYOUT

SCALE
AS SHOWN
DRAWING
W-2

CONTRACT NUMBER

FACILITY _____
FILE NO. _____
DWG FILE _____
DRAWN J. TITULAR-MASON.
DESIGNED S. SPAETH
CHECKED S. HNAT
PLAN SET DATE
AUGUST 2022



SURVEY		REVISIONS				
B.M.:	ELEV.:	ZONE	REV.	DESCRIPTION	BY	DATE
DESC.						
PLANS:	F.B.:					
PROFILE:	F.B.:					
DATUM:						



CITY OF CORCORAN WELL 5F		SCALE
WELL 5F - PRELIMINARY DESIGN PROFILE		HOR: AS SHOWN
		VER: _____
		DRAWING
		W-3

BOREHOLE DATA
Corcoran Well 5F Test Hole
WCR2022-003593

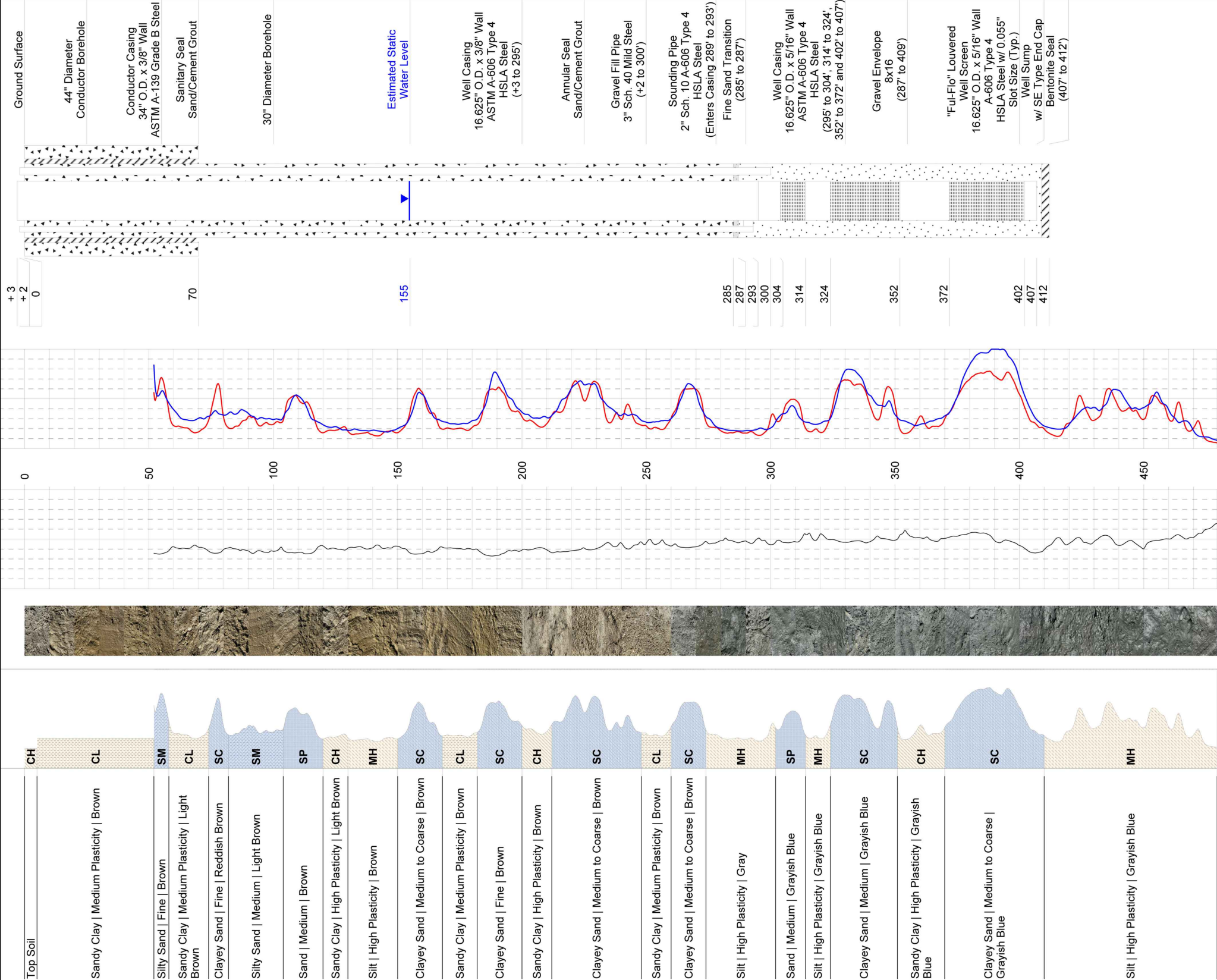
Resistivity
64-inch / 16-inch
(ohmmeter² / meter)

Spontaneous Potential
(10 mV / div)

Sample Photo Log

USCS Field Classification

Lithologic Log



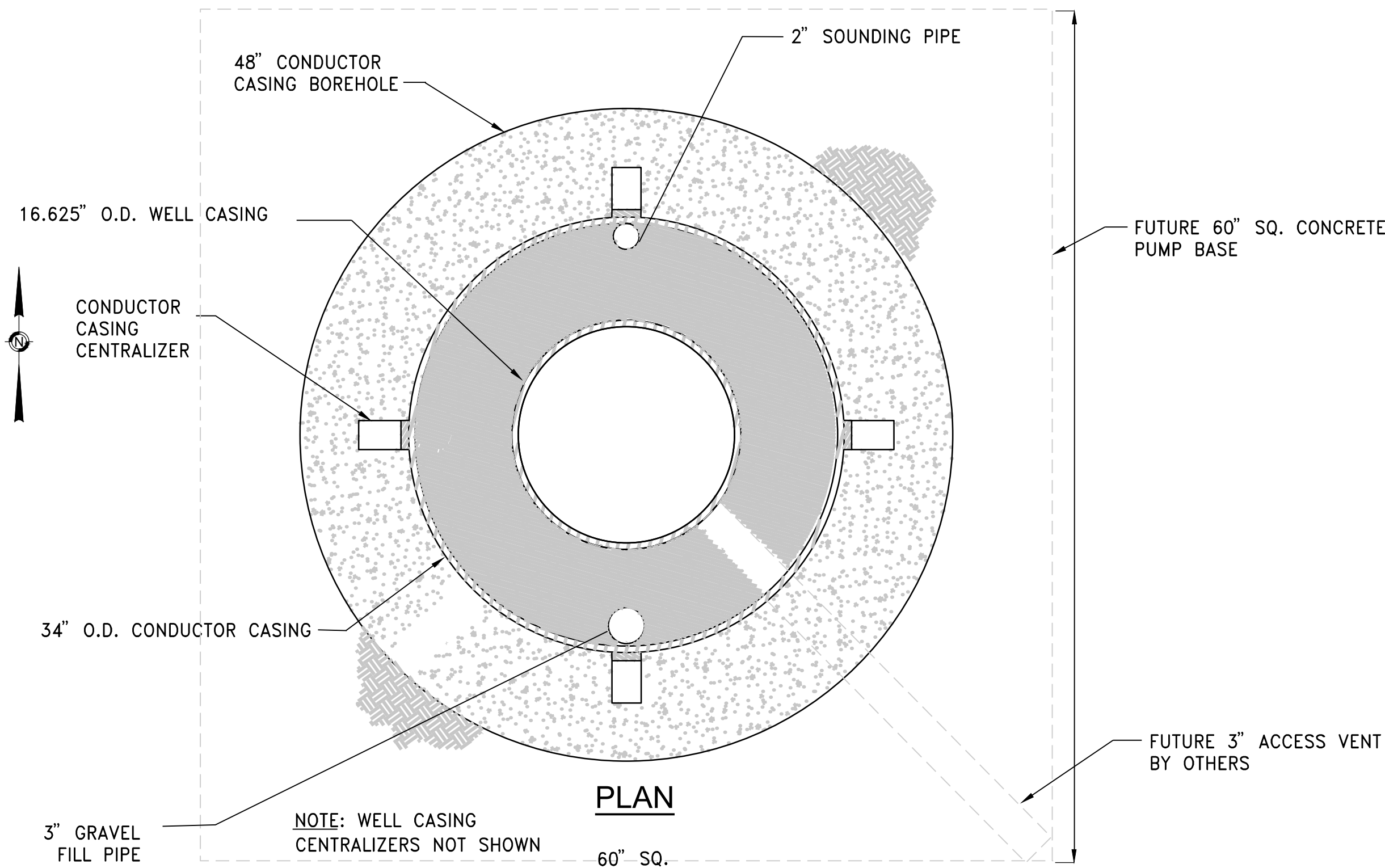
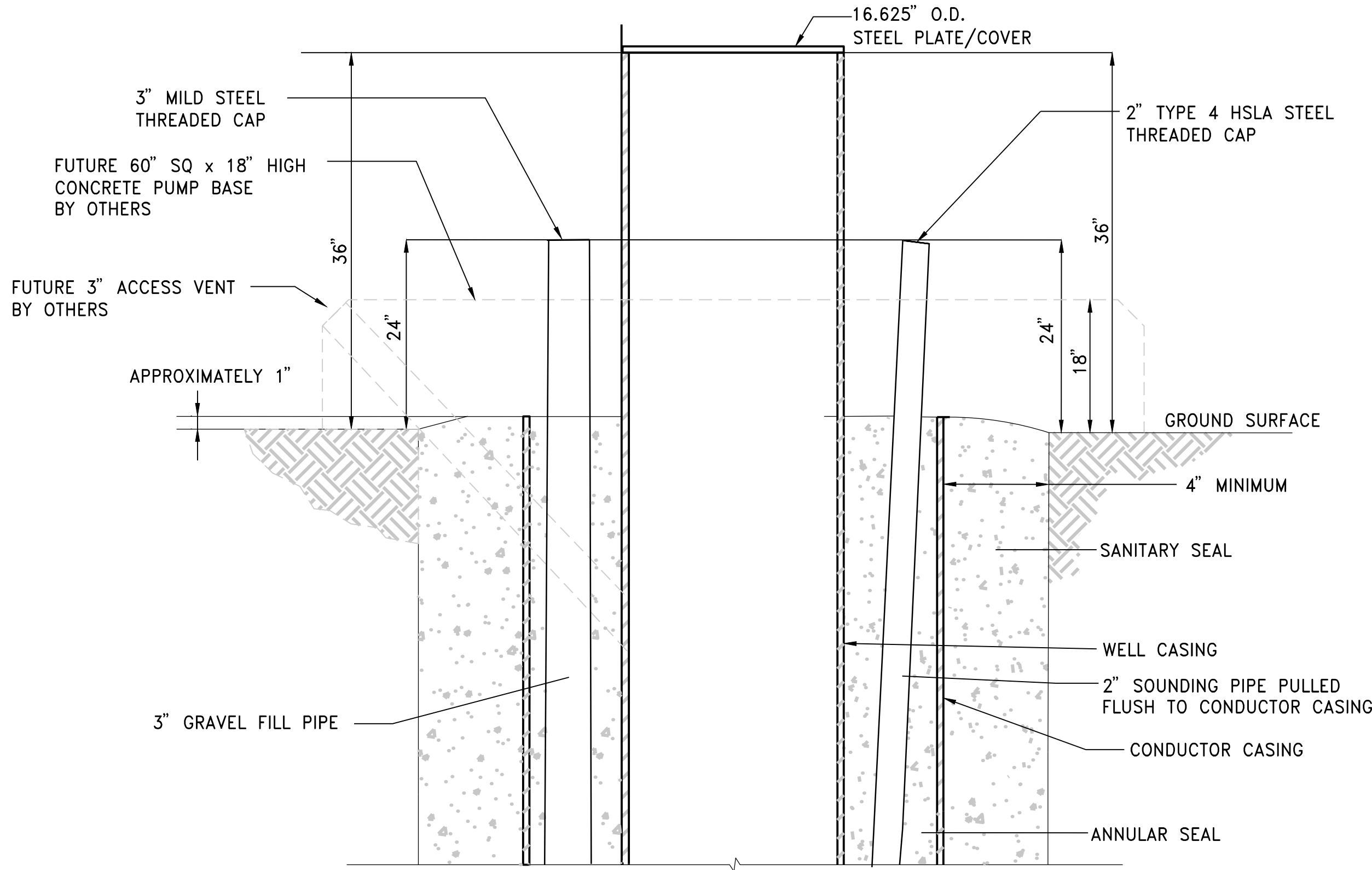
NOTES:

- FOLLOWING COMPLETION OF THE PILOT BOREHOLE, THE CONTRACTOR SHALL ALLOW THE HYDROGEOLOGIST 7 CALENDAR DAYS TO CONFIRM THE FINAL GRAVEL DESIGN.
- FOLLOWING COMPLETION OF THE GEOPHYSICAL SURVEYS, THE CONTRACTOR SHALL ALLOW THE HYDROGEOLOGIST UP TO 4 HOURS TO MODIFY THE FINAL WELL DESIGN, IF NECESSARY.

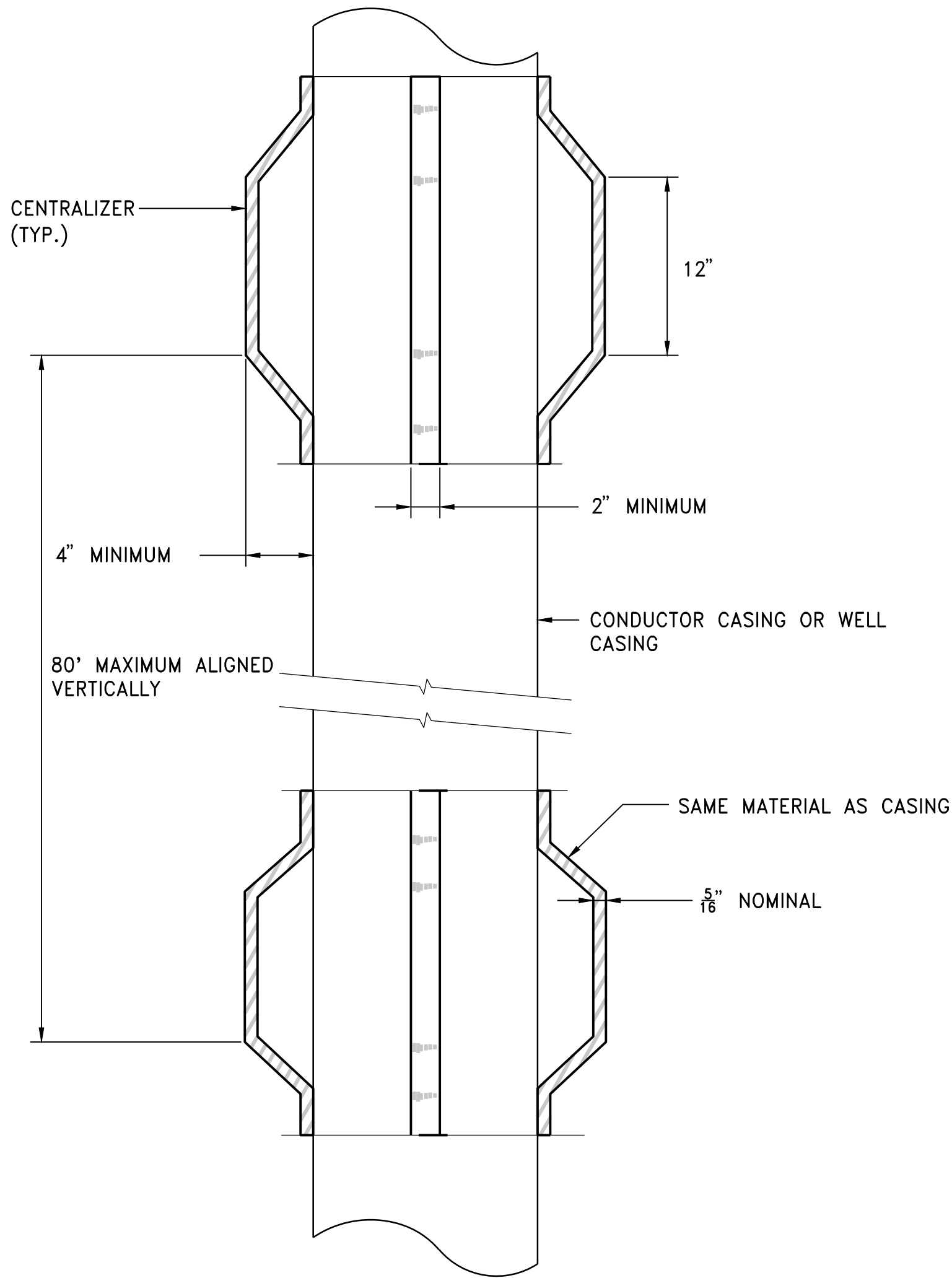
DIAL TOLL FREE
811
AT LEAST TWO DAYS
BEFORE YOU DIG
811
Know what's below.
Call before you dig.

FINAL DESIGN

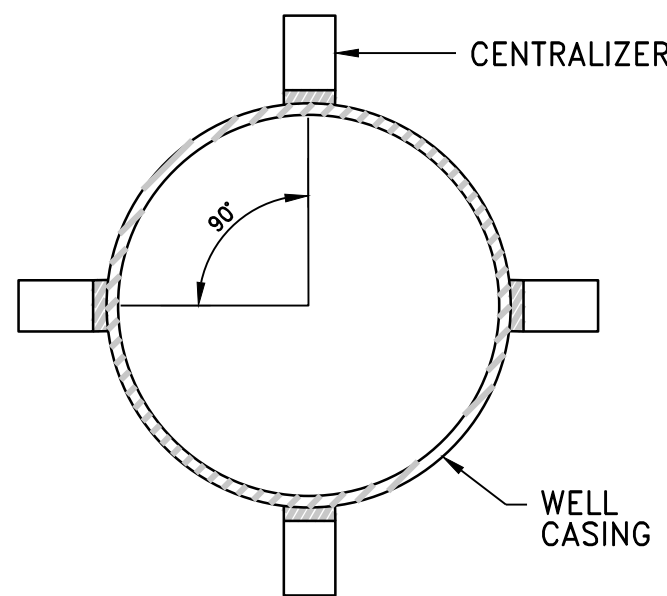
WELL CASING AND PIPES
AT GROUND SURFACE



CENTRALIZERS

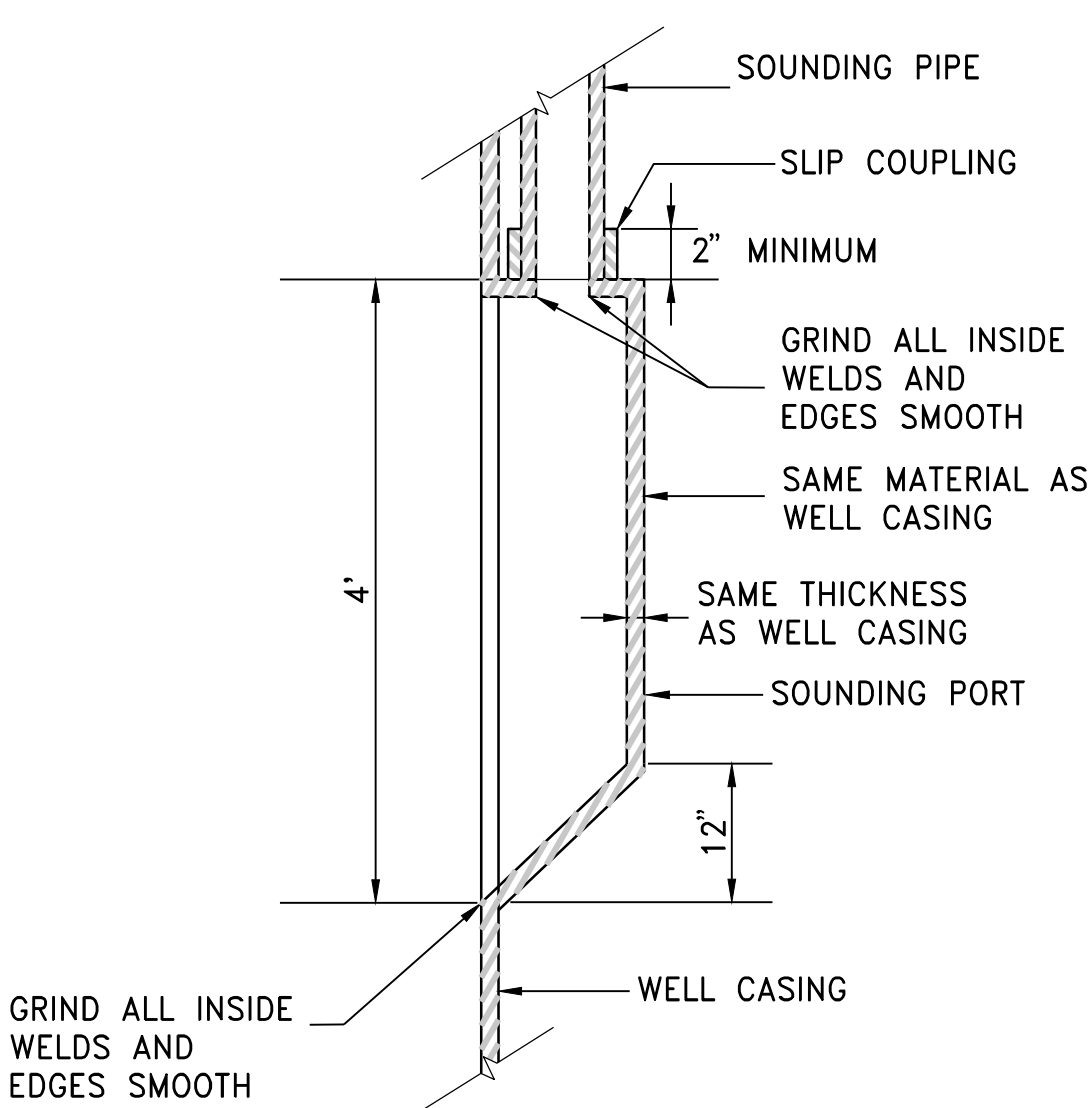


SECTION
N.T.S.

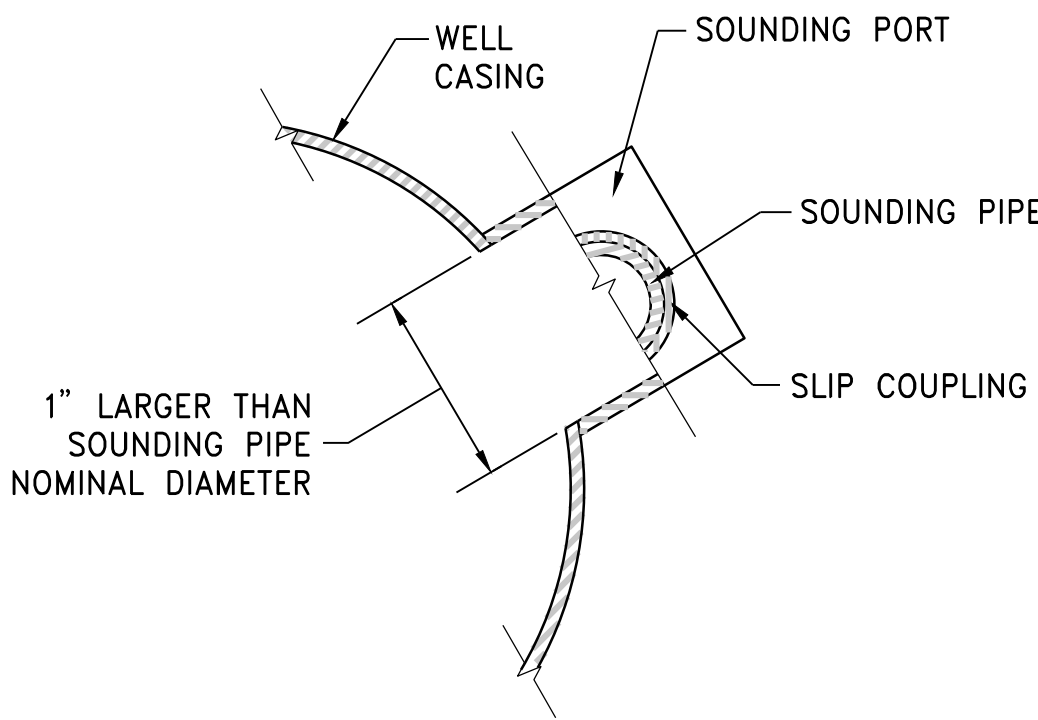


PLAN

SOUNDING PORT



SECTION
N.T.S.



PLAN VIEW (SECTION)

NOTES:

1. ORIENTATION OF THE GRAVEL PIPE AND THE SOUNDING PIPE SHALL BE AS DESCRIBED IN THE SPECIFICATIONS.
2. THE SOUNDING PIPE IS TO BE PULLED FLUSH TO THE CONDUCTOR CASING.
3. UPON COMPLETION OF ALL WORK IN THE WELL, THE CONTRACTOR SHALL PROVIDE AND WELD A 5/16-INCH WALL LIKE-STEEL CIRCULAR PLATE FOR SECURING THE WELL PRIOR TO EQUIPPING.
4. THE CONTRACTOR SHALL PROVIDE THREADED STEEL END CAPS FOR THE GRAVEL FILL PIPE AND THE SOUNDING PIPE.
5. CONCRETE PUMP BASE, 3" ACCESS VENT, AND PUMP DISCHARGE PIPE SHALL BE INSTALLED IN THE FUTURE UNDER DIFFERENT CONTRACTS.
6. ORIENTATION OF ACCESSORY PIPES WILL BE PROVIDED AT THE PRE-CONSTRUCTION MEETING.

DIAL TOLL FREE
811

AT LEAST TWO DAYS
BEFORE YOU DIG



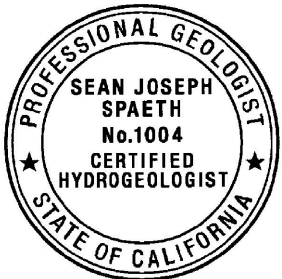
Know what's below.
Call before you dig.

FINAL DESIGN

WOOD RODGERS
BUILDING RELATIONSHIPS ONE PROJECT AT A TIME
3301 G ST., BLDG. 100-B TEL 916.341.7760
SACRAMENTO, CA 95816 FAX 916.341.7767

CONTRACT NUMBER

FACILITY
FILE NO.
DWG FILE
DRAWN J. TITULAR-MASON
DESIGNED S. SPAETH
CHECKED S. HNAT
PLAN SET DATE
AUGUST 2022



SURVEY		REVISIONS					
B.M.:	ELEV.:	ZONE	REV.	DESCRIPTION	BY	DATE	
DESC.							
PLANS:	F.B.:						
PROFILE:	F.B.:						
DATUM:							



CITY OF CORCORAN WELL 5F

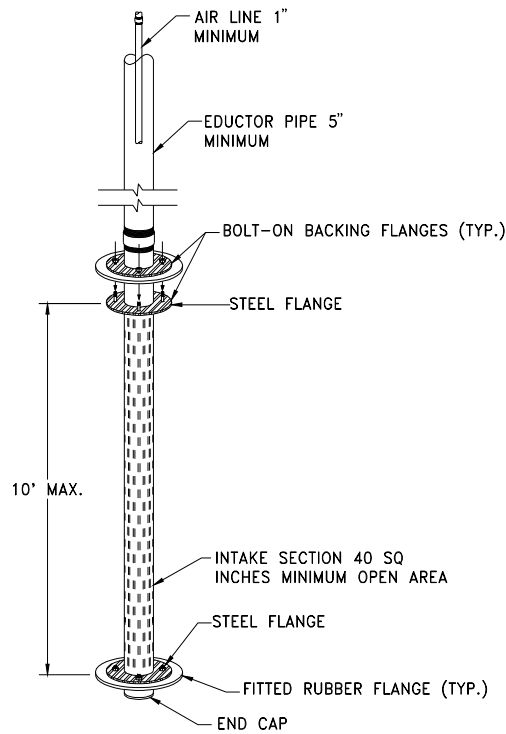
STANDARD CONSTRUCTION DETAILS - CASING

SCALE
AS SHOWN

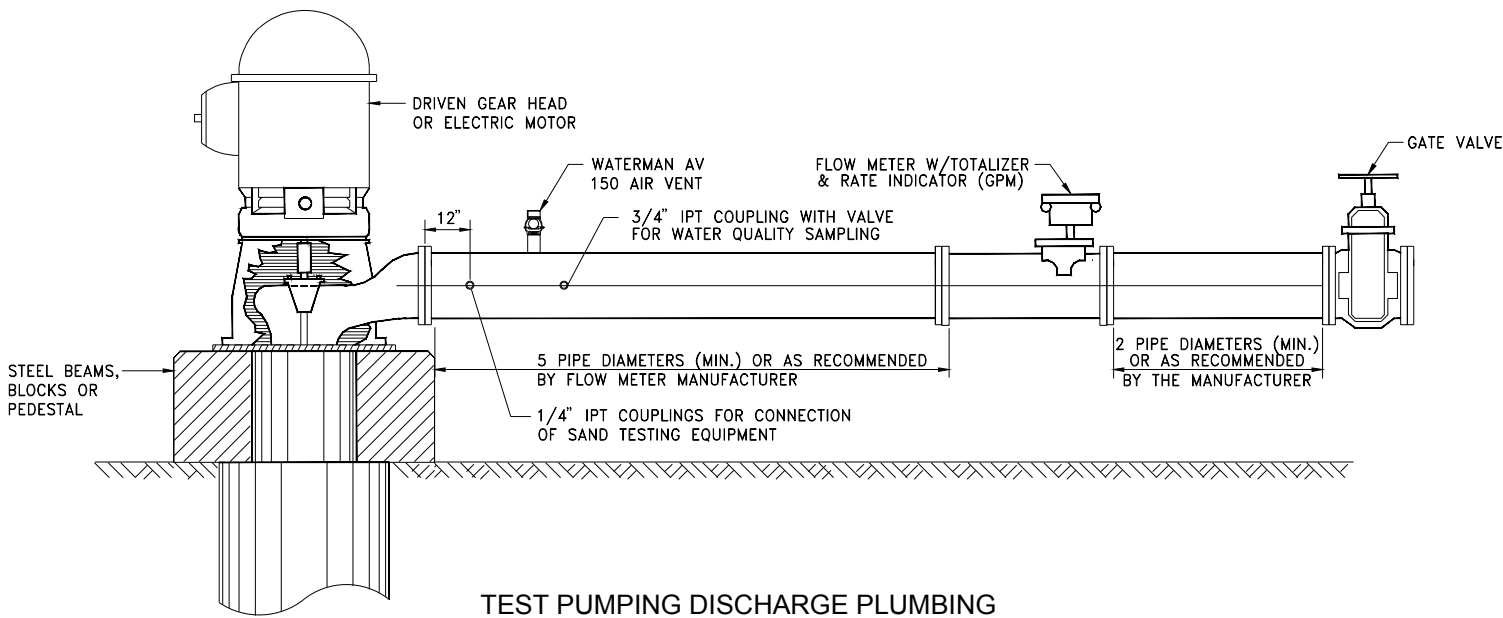
DRAWING

W-4

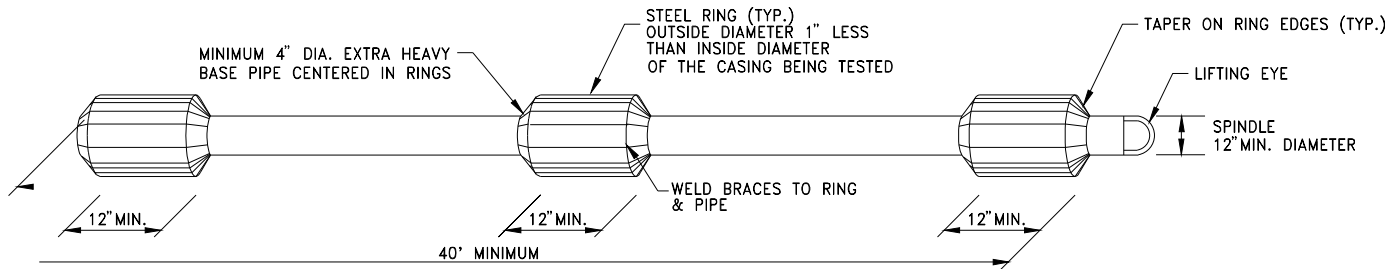
DEVELOPMENT EQUIPMENT AND
TESTING TOOL DETAILS



DOUBLE SWAB TOOL
N.T.S.



TEST PUMPING DISCHARGE PLUMBING
N.T.S.



ALIGNMENT TESTING TOOL (DUMMY)
N.T.S.

DIAL TOLL FREE
811
AT LEAST TWO DAYS
BEFORE YOU DIG
811
Know what's below.
Call before you dig.

FINAL DESIGN

WOOD RODGERS
BUILDING RELATIONSHIPS ONE PROJECT AT A TIME
3301 G ST., BLDG. 100-B TEL 916.341.7760
SACRAMENTO, CA 95816 FAX 916.341.7767

CONTRACT NUMBER

FACILITY: _____
FILE NO.: _____
DWG FILE: _____
DRAWN: J. TITULAR-MASON
DESIGNED: S. SPAETH
CHECKED: S. HNAT
PLAN SET DATE
AUGUST 2022



SURVEY		REVISIONS				
B.M.:	ELEV.:	ZONE	REV.	DESCRIPTION	BY	DATE
DESC.						
PLANS:	F.B.:					
PROFILE:	F.B.:					
DATUM:						



CITY OF CORCORAN WELL 5F
STANDARD CONSTRUCTION DETAILS - TESTING

SCALE
HOR: AS SHOWN
VER: _____
DRAWING
W-5