# **GENERAL CONSTRUCTION NOTES**

- 1. EXISTING UTILITIES AND EXISTING IMPROVEMENTS MAY BE SHOWN AT APPROXIMATED LOCATIONS DUE TO THE AVAILABLE RECORD INFORMATION AT THE TIME OF PLAN PREPARATION. OTHER UTILITY LINES MAY EXIST. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY ALL EXISTING UTILITIES BY POTHOLING OR LOCATING SERVICES "811" IF FOUND NECESSARY.
- 2. THE CONTRACTOR SHALL NOTIFY ALL CORRESPONDING UTILITY COMPANIES AND CALL "811" AT LEAST 48 HOURS BEFORE THE COMMENCEMENT OF ANY WORK WHICH MAY REQUIRE UTILITY VERIFICATION. ADDITIONALLY, THE CONTRACTOR WILL SUPPLY SOUTHERN CALIFORNIA GAS COMPANY WITH A CONSTRUCTION SCHEDULE AND NOTIFY OF ANY PRE-CONSTRUCTION MEETINGS.
- 3. THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY OR SUBSTRUCTURE SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. NO CERTIFICATIONS IS MADE AS THE ACCURACY OR THOROUGHNESS OF THESE RECORDS. APPROVAL OF THESE PLANS BY THE CITY OF CORCORAN DOES NOT CONSTITUTE A REPRESENTATION AS THE ACCURACY OR COMPLETENESS OF LOCATION OR THE EXISTENCE OR NONEXISTENCE OF ANY UNDERGROUND UTILITY OR SUBSTRUCTURE WITHIN THE LIMITS OF THE PROJECT.
- 4. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW THE FULL SET OF PLANS FOR ANY DISCREPANCIES AND OMISSIONS PRIOR TO THE COMMENCEMENT OF WORK, IF ANY DISCREPANCIES BETWEEN THESE PLANS AND THE FIELD ARE IDENTIFIED. THE CONTRACTOR SHALL NOTIFY THE ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY WORK NOT IN CONFORMANCE WITH THE PLANS OR IN CONFLICT WITH ANY CODE.
- 5. AN APPROVED SET OF PLANS MUST BE AVAILABLE ON THE JOB SITE AT ALL TIMES.
- 6. THE CONTRACTOR SHALL POSSESS THE CLASS (OR CLASSES) OF LICENSE AS SPECIFIED IN THE "NOTICE TO BIDDERS."
- 7. ALL WORK SHALL BE PERFORMED IN CONFORMANCE WITH THE PROVISIONS IN THE AWWA A100-20 WATER WELLS STANDARDS DATED 2020, ALONG WITH THE CITY OF CORCORAN STANDARD DRAWINGS.
- 8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL MATERIALS, FABRICATIONS, EQUIPMENT, APPLIANCES, TRANSPORTATION, SERVICES AND LABOR NECESSARY FOR THE CONSTRUCTION, ERECTION AND INSTALLATION OF ALL WORK INDICATED ON THESE DRAWINGS AND/OR OUTLINED IN EACH SECTION OF THE SPECIFICATIONS.
- 9. FOR THE DURATION OF THE WORK, THE CONTRACTOR SHALL PROVIDE, INSTALL AND MAINTAIN, AS MAY BE REQUIRED, ALL NECESSARY BARRICADES AND RAILINGS, LIGHTS, WARNING SIGNS AND SIGNALS, AND SHALL TAKE ALL OTHER PRECAUTIONS AS MAY BE REQUIRED TO SAFEGUARD PERSONS, THE JOB SITE AND ADJOINING PROPERTY, AGAINST INJURIES AND DAMAGE OF ANY NATURE.
- 10. THE CONTRACTOR AND EACH SUBCONTRACTOR SHALL GIVE THEIR PERSONAL ATTENTION TO THE WORK; BE RESPONSIBLE FOR THE LAYOUT AND CORRECTNESS OF THEIR WORK AND COOPERATE WITH EACH OF THE VARIOUS TRADES TO OBTAIN A NEAT FINISHED AND WORKMANLIKE JOB.
- 11. THE CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.
- 12. TO THE FULLEST EXTENT PERMITTED BY LAWS AND REGULATIONS, CONTRACTOR SHALL INDEMNIFY AND HOLD HARMLESS OWNER AND ENGINEER, AND THE OFFICERS, DIRECTORS, MEMBERS, PARTNERS, EMPLOYEES, AGENTS, CONSULTANTS AND SUBCONTRACTORS OF EACH AND ANY OF THEM FROM AND AGAINST ALL CLAIMS, COSTS, LOSSES, AND DAMAGES (INCLUDING BUT NOT LIMITED TO ALL FEES AND CHARGES OF ENGINEERS, ARCHITECTS, ATTORNEYS, AND OTHER PROFESSIONALS AND ALL COURT OR ARBITRATION OR OTHER DISPUTE RESOLUTION COSTS) ARISING OUT OF OR RELATING TO ANCE OF THE WORK, PROVIDED THAT ANY SUCH CLAIM, COST, LOSS, OR DAMAGE IS ATTRIBUTABLE TO BODILY INJURY, SICKNESS, DISE/ OR DEATH, OR TO INJURY TO OR DESTRUCTION OF TANGIBLE PROPERTY (OTHER THAN THE WORK ITSELF), INCLUDING THE LOSS OF USE RESULTING THEREFROM BUT ONLY TO THE EXTENT CAUSED BY ANY NEGLIGENT ACT OR OMISSION OF CONTRACTOR, ANY SUBCONTRACTOR, ANY SUPPLIER, OR ANY INDIVIDUAL OR ENTITY DIRECTLY OR INDIRECTLY EMPLOYED BY ANY OF THEM TO PERFORM ANY OF THE WORK OR ANYONE FOR WHOSE ACTS ANY OF THEM MAY BE LIABLE.
- 13. SHOULD A CONSTRUCTION SURVEY OR CONSTRUCTION STAKING BE NECESSARY, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THIS SERVICE.
- 14. DO NOT SCALE DRAWINGS. IF UNABLE TO LOCATE DIMENSIONS FOR ANY ITEM OF WORK, CONTACT THE ENGINEER FOR DIRECTION BEFORE PROCEEDING.
- 15. ALL DAMAGE TO AREAS AND/OR PROPERTY NOT SPECIFICALLY PART OF THE PROJECT SITE CAUSED DURING CONSTRUCTION ACTIVITIES WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RETURN TO PRE-CONSTRUCTION CONDITIONS.
- 16. CHANGES TO THE APPROVED DRAWINGS SHALL BE MADE BY ADDENDUM OR A CHANGE ORDER SIGNED BY THE ENGINEER AND APPROVED BY THE PUBLIC WORKS/ENGINEERING OFFICIALS.
- 17. DUST AND DEBRIS CONTROL MEASURES SHALL BE IMPLEMENTED IN ACCORDANCE WITH THE REQUIREMENTS OF THE SAN JOAQUIN VALLEY UNIFIED AIR POLLUTION CONTROL DISTRICT - DISTRICT REGULATION VIII - FUGITIVE DUST RULES.

# **CONTRACTOR QUALIFICATION REQUIREMENTS**

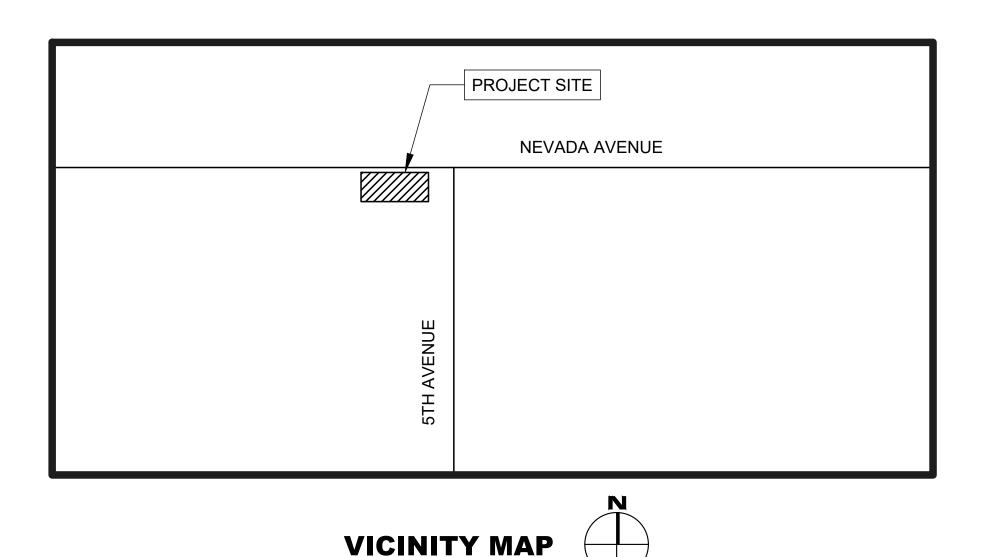
MUNICIPAL WATER WELL EXPERIENCE

- A. A QUALIFIED CONTRACTOR/SUBCONTRACTOR AND/OR HIS/HER SITE SUPERINTENDENT OR FOREMAN SHALL HAVE A MINIMUM OF 5 YEARS OF EXPERIENCE PERFORMING MUNICIPAL WATER WELL PROJECTS OF SIMILAR TECHNICAL COMPLEXITIES AND WORK SCOPES TO THE CITY OF CORCORAN'S WELL 5F PROJECT.
- B. CONTRACTOR SHALL PROVIDE THE PROJECT NAME, PROJECT OWNER, PROJECT OWNER'S CONTACT PERSON. PHONE NUMBER. ADDRESS. CONTRACTOR SITE SUPERINTENDENT OR FOREMAN PROJECT COMPLETION DATE, AND PROJECT CONTRACT AMOUNT FOR THESE PROJECTS.
- C. ALL BIDDERS MUST COMPLETE AND SUBMIT THE "MUNICIPAL WATER WELL EXPERIENCE VERIFICATION" BID FORM, TO THE CITY OF CORCORAN, NO LATER THAN 4:00 P.M. ON THE 5TH BUSINESS DAY AFTER PUBLIC POSTING OF BID RESULTS. FAILURE TO PROVIDE ALL THE REQUIRED INFORMATION MAY CAUSE THE BID TO BE CONSIDERED NON-RESPONSIBLE
- D. VERIFICATION
- 1. THE EXPERIENCE OF THE APPARENT LOW BIDDER WILL BE CHECKED FOR COMPLIANCE WITH THESE REQUIREMENTS. THE CITY WILL NOTIFY THE APPARENT LOW BIDDER OF ANY DEFICIENCIES FOUND AND WILL ALLOW THE BIDDER THE OPPORTUNITY TO RESPOND IN WRITING WITH REASONABLE CLARIFICATIONS. THE DETERMINATION OF SUFFICIENT EXPERIENCE BY THE CITY SHALL BE FINAL AND CONCLUSIVE AS TO THAT BIDDER AND ALL OTHER BIDDERS.
- 2. IF THE APPARENT LOW BIDDER IS DETERMINED TO BE NON-RESPONSIBLE, THE CITY WILL REVIEW THE NEXT LOW BIDDER'S QUALIFICATIONS FOR COMPLIANCE WITH THE REQUIREMENTS.
- F. CONTRACTOR
- 1. THE CONTRACTOR SHALL POSSESS THE CLASS (OR CLASSES) OF LICENSE AS SPECIFIED IN THE "NOTICE TO BIDDERS."



# CITY OF CORCORAN

# WATER WELL 5F IMPROVEMENTS



CITY OF CORCORAN

NTS

**CITY & ENGINEER CONTACTS** 

PUBLIC WORKS DIRECTOR

CIVIL ENGINEER

JOSEPH FAULKNER CITY OF CORCORAN 832 WHITLEY AVE CORCORAN, CA 93212 (559) 992-2151 EXT. 2210 ORFIL MUNIZ, PE, QSD A&M CONSULTING ENGINEERS 220 N LOCUST STREET VISALIA, CA 93291 (559) 429-4747

# **PROJECT UTILITY CONTACTS**

PG&E JEFF HEIDNGER 705 P STREET FRESNO, CA 93760 (559) 263-7368

SOUTHERN CALIFORNIA GAS CO AMY PENA 404 N TIPTON STREET VISALIA, CA 93292 APENA4@SOCALGAS.COM (559) 739-2308

**CITY OF CORCORAN WATER & WASTEWATER** JOSEPH FAULKNER 832 WHITLEY AVENUE CORCORAN, CA 93212 (559) 992-2151 EXT. 2210

FRONTIER COMMUNICATIONS STEPHEN MCDONALD 1359 G STREET REEDLEY, CA 93654 MCDONALD.STEPHEN@FTR.COM (559) 637-0666

# **NOTIFICATION REQUIREMENTS**

- A. THE CONTRACTOR SHALL BE RESPONSIBLE TO GIVE NOTICE TO THE ENGINEER IN WRITING PRIOR TO PERFORMANCE OF SPECIFIC OPERATIONS AS FOLLOWS:
- 1. APPROXIMATE 30-DAY NOTICE OF INTENT TO MOBILIZE TO PROVIDE TIME FOR OWNER PRE-
- CONSTRUCTION CEQA COMPLIANCE SURVEYS. 2. AT LEAST FIVE (5) WORKING DAYS ADVANCE NOTICE OF INTENT TO MOVE ONSITE.
- 3. AT LEAST TWO (2) WORKING DAY'S NOTICE OF INTENT TO MOVE OFFSITE.
- B. THE ENGINEER MAY PERFORM FULL TIME CONSTRUCTION OBSERVATION AND INSPECTION. THE CONTRACTOR SHALL TELEPHONE THE ENGINEER DAILY WITH A REPORT ON THE STATUS OF THE WORK AND THE EXPECTED WORK TO BE ACCOMPLISHED IN THE NEXT 24 HOURS.

# **INDEX OF PLANS**

- 1 COVER SHEET 2 - DEMOLITION PLAN
- 3 WATER WELL 5F SITE PLAN 4 - GRADING & DRAINAGE PLAN
- 5 PROPOSED WELL 5F PUMP & DISCHARGE PLAN 6 - CONSTRUCTION DETAILS
- 7 CONSTRUCTION DETAILS

# **CONTROL POINTS**

TEMPORARY CONTROL POINT 1: NAIL AND SHINER DESCRIPTION: LOCATED ON THE SOUTHERN EDGE OF PAVEMENT OF NEVADA AVENUE, APPROXIMATELY 40' NORTH OF THE NORTHEAST CORNER OF THE FENCE LINE AT WELL 8B

TEMPORARY CONTROL POINT 2: NAIL AND SHINER DESCRIPTION: LOCATED ON THE SOUTHERN EDGE OF PAVEMENT OF NEVADA AVENUE, APPROXIMATELY 40' NORTH OF THE NORTHWEST CORNER OF THE FENCE LINE AT WELL 8B

TEMPORARY CONTROL POINT 3: NAIL HEAD DESCRIPTION: LOCATED IN THE PAVEMENT AT THE CENTER OF THE INTERSECTION OF NEVADA AVENUE AND 5TH AVENUE

# **ABBREVIATIONS & LEGEND**

APPROX	APPROXIMATE		EXISTING RIGHT-OF-WAY
С	CONCRETE		
CITY	CITY OF CORCORAN		DEMOLITION / SAWCUT LIMITS
CL	CENTERLINE		
COMM	COMMUNICATION	(COM)	EXISTING OVERHEAD COMM.
CR	CROWN		
DIA	DIAMETER	(OE)	EXISTING OVERHEAD ELECTRICITY UTILITY
DIP	DUCTILE IRON PIPE	_	
DWG	DRAWING		EXISTING FENCE
EP	EDGE OF PAVEMENT		
EXIST	EXISTING	O	PROPOSED FENCE
(E)	EXISTING		
FEN	FENCE		PROPOSED CONTOUR BREAKLINE
FG	FINISHED GRADE		
GA	GAGE, GAUGE GALLONS PER HOUR		INSTALL 6" THICK LAYER OF $\frac{3}{4}$ " DIAMETER CRUSHED RO(
GPH GUY	GALLONS PER HOUR GUY WIRE	500000	INSTALL 0 THICK LATER OF 4 DIAMETER CROSHED ROL
HORZ	HORIZONTAL	<u>avaavaa</u> 3	
INV	INVERT	$\nabla / T / T / T$	
IRR	IRRIGATION		EXISTING ROADWAY
LIP	GUTTER LIP		
LP	LIGHT POLE		
MAX	MAXIMUM		
МН	MANHOLE		
MIN	MINIMUM		
MON	MONUMENT		
Ν	NEW		

ON CENTER ORIGINAL GROUND PROPERTY LINE POWER POLE POUNDS PER SQUARE INCH POINT POLYVINYL CHLORIDE REINFORCING BAR **RIGHT-OF-WAY RIGHT-OF-WAY** RIGHT SCHEDULE STORM DRAIN STORM DRAIN MANHOLE SQUARE SANITARY SEWER STREET STATION STANDARD TOP OF CURB TYPICAL VERTICAL WATER WITH WATER WELL

WATER VALVE WV AT DIAMETER (XXX.XX) EXISTING ELEVATION S=0.XXXX PROPOSED SLOPE IN DECIMAL

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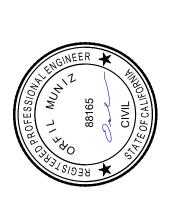
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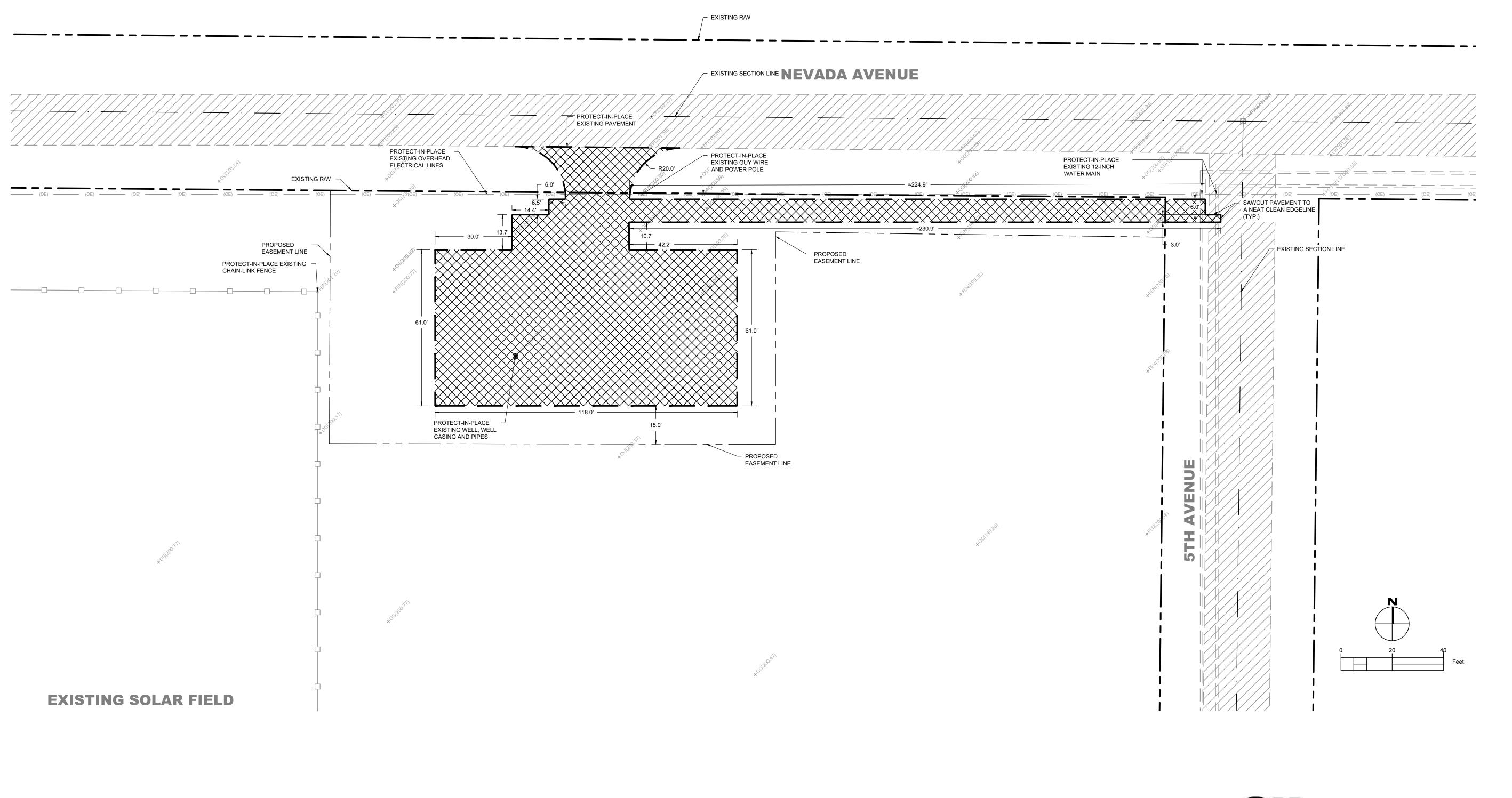
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SHEET NO.



A&M CONSULTING ENGINEERS, INC. 2022

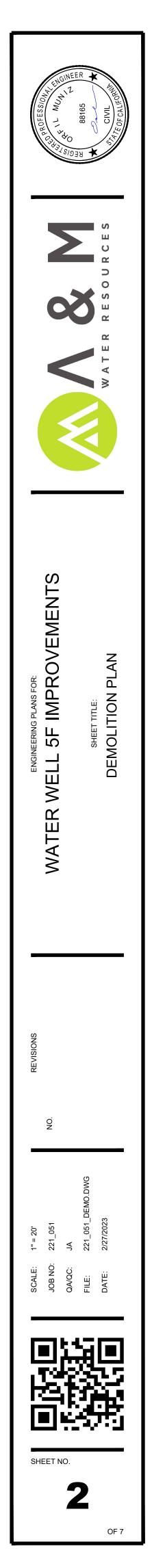


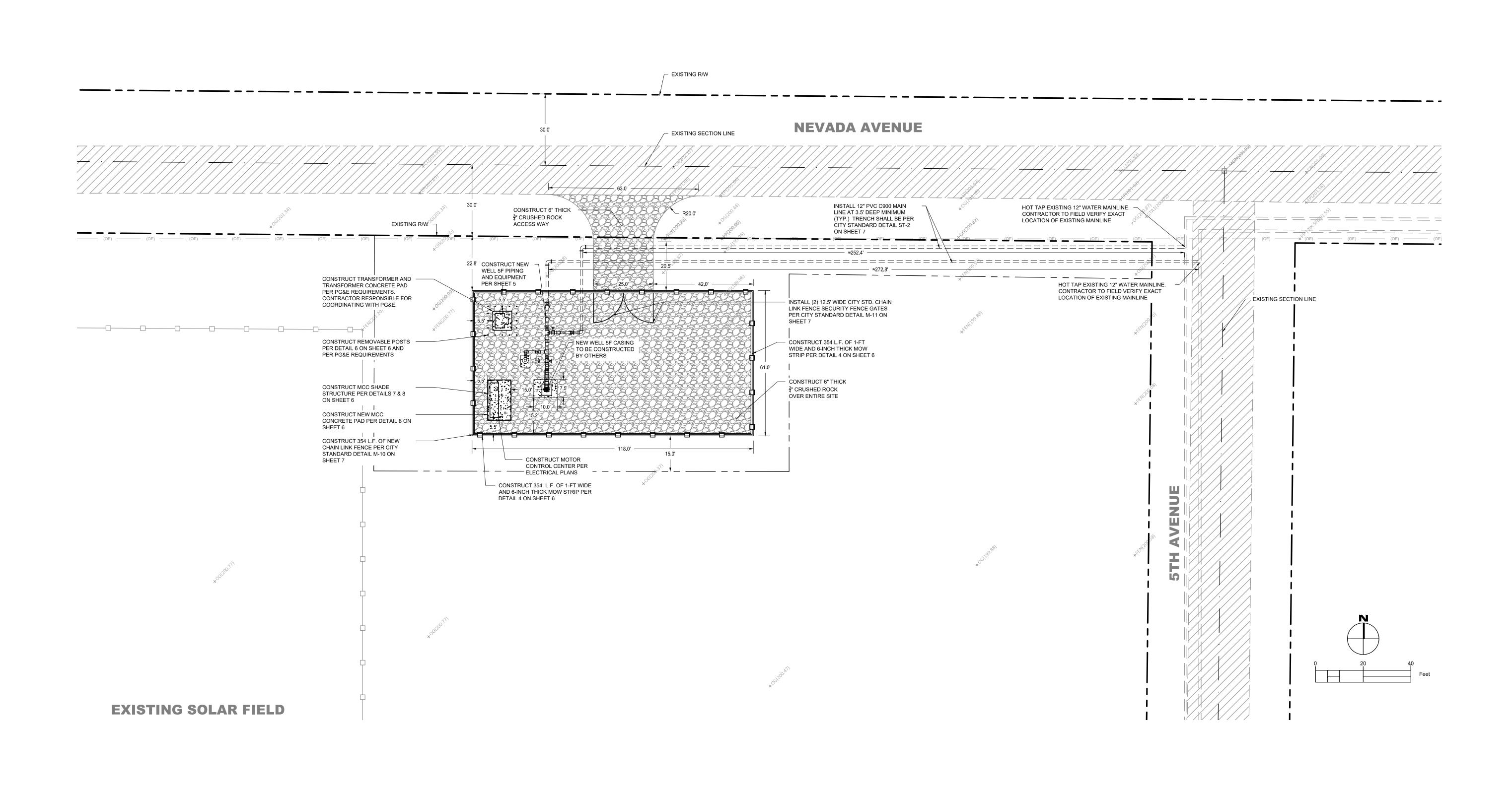
DEMOLITION AREA - REMOVE AND DISPOSE OF EXISTING SURFACES, CONCRETE, ROCKS, SOLID WASTE, AND VEGETATION AS SHOWN ON PLAN

# **GENERAL DEMOLITION NOTES**

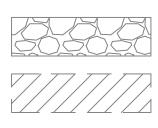
- 1. VERIFY FIELD CONDITIONS PRIOR TO START OF DEMOLITION AND NOTIFY THE CITY OF CORCORAN OF ANY DISCREPANCIES.
- 2. BEFORE COMMENCING ANY WORK, CONTRACTOR SHALL VERIFY THAT ALL UTILITY CONNECTIONS HAVE BEEN PROPERLY DISCONNECTED OR REMOVED.
- 3. THE CITY OF CORCORAN HAS SALVAGE RIGHT ON ALL ITEMS REMOVED.
- KEEP CLEAN ALL EXISTING SPACES AND PROPERTIES ADJACENT TO DEMOLITION AREAS. REMOVE FROM THE SITE OR MINIMIZE ALL DEBRIS, RUBBISH AND OTHER MATERIALS RESULTING FROM DEMOLITION OPERATIONS DAILY.
   CONTRACTOR SHALL APPLY WATER OR OTHER SUITABLE METHODS REQUIRED BY
- THE ENGINEER, NECESSARY TO CONTROL DUST CAUSED BY DEMOLITION WORK.
- 6. ANY CAVITIES LEFT BY THE REMOVAL OF ANY ITEM SHALL BE BACKFILLED AND COMPACTED TO 90% RELATIVE COMPACTION UNLESS OTHERWISE NOTED.
- ITEMS REMOVED AS INDICATED ON THE DRAWINGS SHALL BE DISPOSED OF PROPERLY.
- CONTRACTOR TO BE RESPONSIBLE FOR SITE SECURITY DURING WORK.
  CONTRACTOR SHALL PROTECT-IN-PLACE EXISTING WELL CASINGS, STEEL PLATE
- CONTRACTOR SHALL PROTECT-IN-PLACE EXISTING WELL CASINGS, STEEL PLATE COVER, SOUNDING PIPE AND GRAVEL PIPE.
   LOCATION OF EXISTING WATER MAINS IS APPROXIMATE, CONTRACTOR SHALL
- 10. LOCATION OF EXISTING WATER MAINS IS APPROXIMATE, CONTRACTOR SHALL FIELD-VERIFY ACTUAL LOCATION OF WATER MAINS







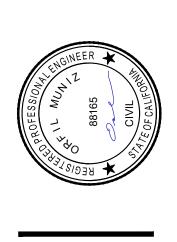




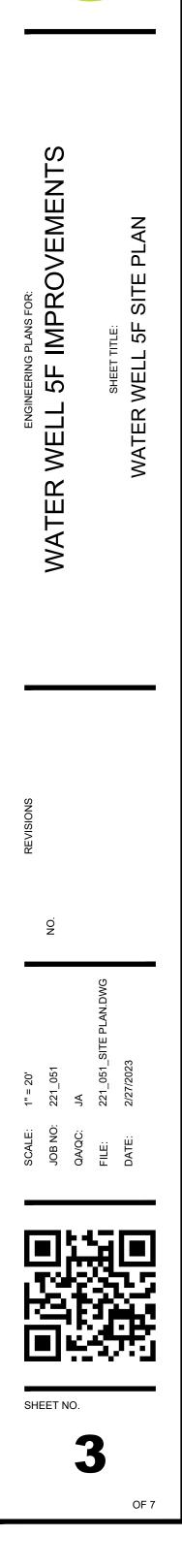
INSTALL 6" THICK LAYER OF  $\frac{3}{4}$ " DIAMETER CRUSHED ROCK

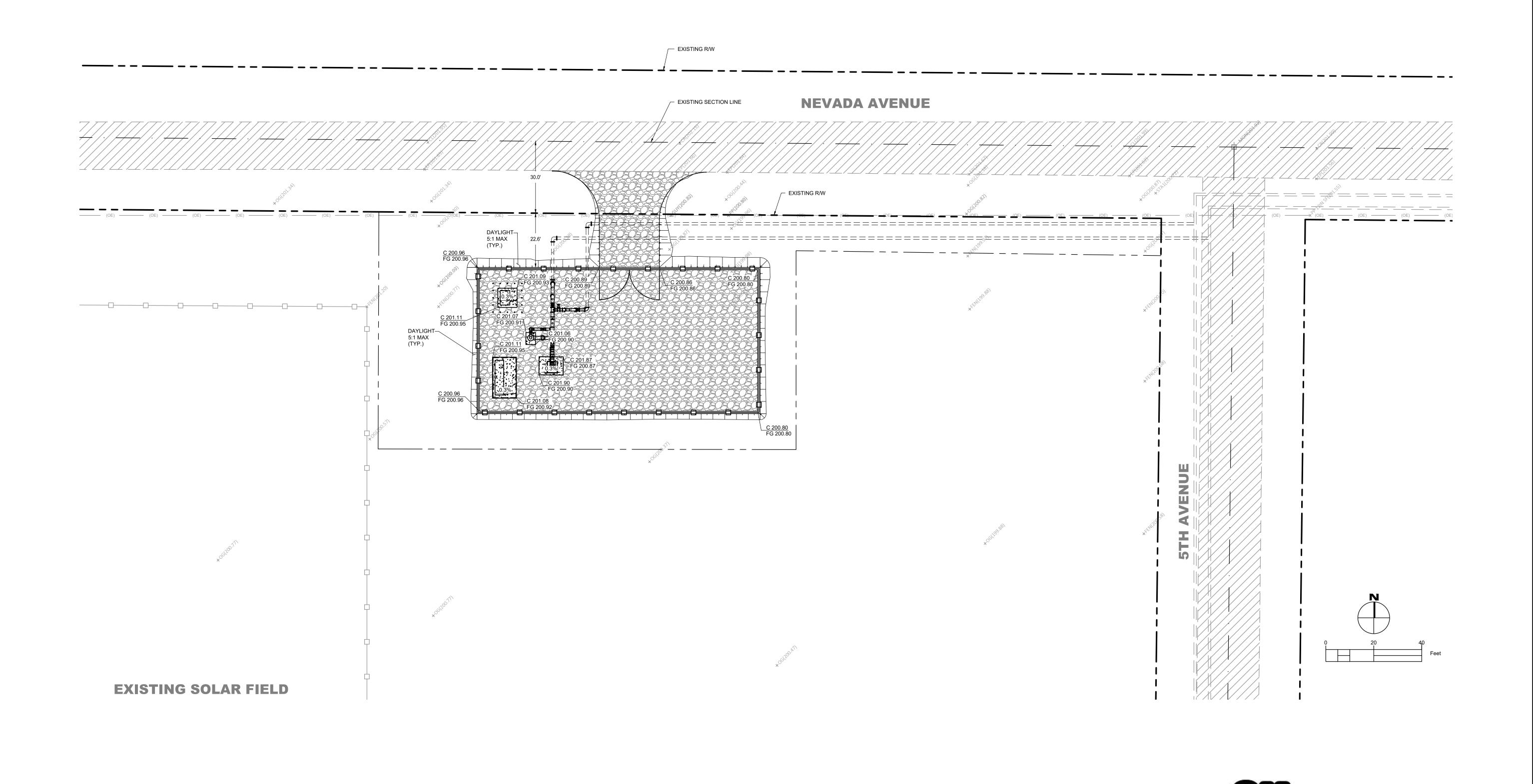
EXISTING ROADWAY

Know what's **below.** Call 811 before you dig.

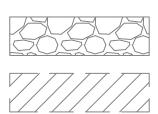








# LEGEND



INSTALL 6" THICK LAYER OF  $\frac{3}{4}$ " DIAMETER CRUSHED ROCK

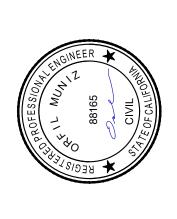
EXISTING ROADWAY

# **GRADING NOTES**

1. THIS GRADING PLAN IS FOR APPROVAL OF ON-SITE ELEVATION ONLY. THE ELEVATIONS SHOWN WITHIN THE PUBLIC RIGHT-OF-WAY REQUIRE SEPARATE PUBLIC WORKS DEPARTMENT APPROVAL & PERMIT. ANY NOTES THAT APPLY TO THE PUBLIC RIGHT-OF-WAY ARE FOR REFERENCE ONLY. IF ONSITE ELEVATIONS SHOWN DO NOT COINCIDE WITH APPROVED PLANS, AN APPROVED AMENDMENT IS REQUIRED.

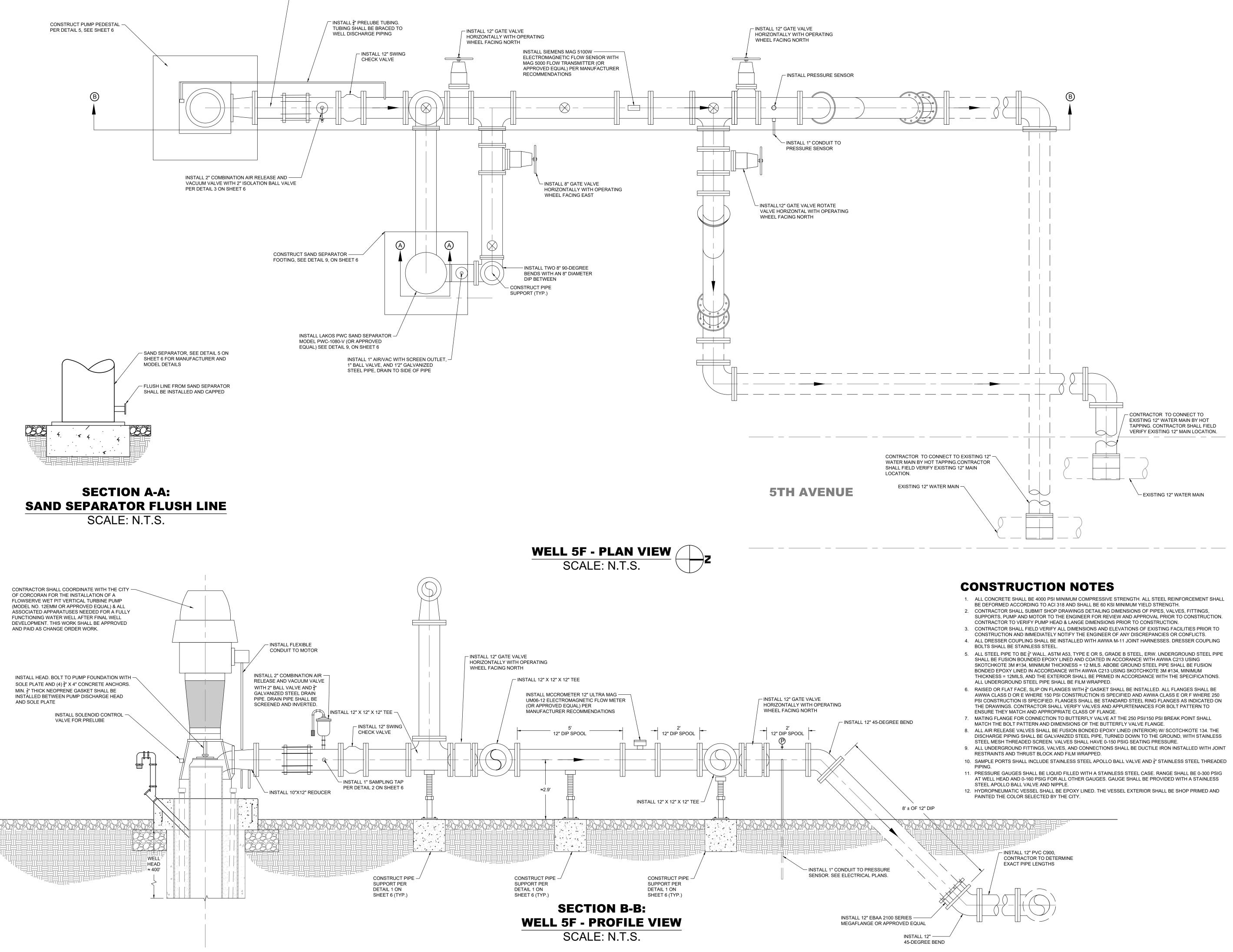
> Know what's **below.** Call 811 before you dig.

- 2. ALL GRADING SHALL COMPLY WITH THE 2019 CBC, CALIFORNIA BUILDING CODE.
- 3. OVER-EXCAVATE AND REMOVE ALL LOOSE FILLS, DEBRIS, AND ORGANIC MATTER TO ALLOW PROPER PREPARATION OF THE NATIVE GRADE BEFORE PLACEMENT OF ENGINEERED/COMPACT FILL.
- FINISH DIRT ELEVATIONS SHALL BE VERIFIED PRIOR TO PLACEMENT OF GRAVEL.
  CONCRETE PUMP PEDESTAL SHALL BE MIN. 18" ABOVE DIRT.









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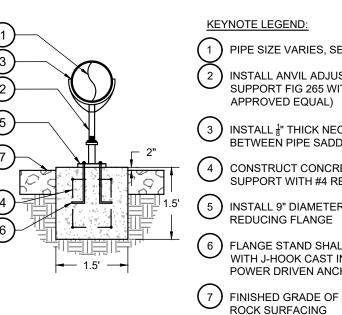
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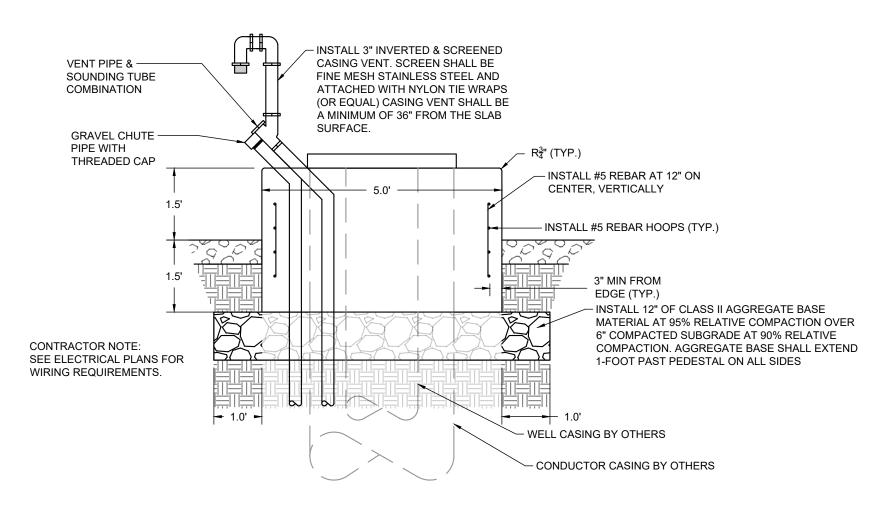
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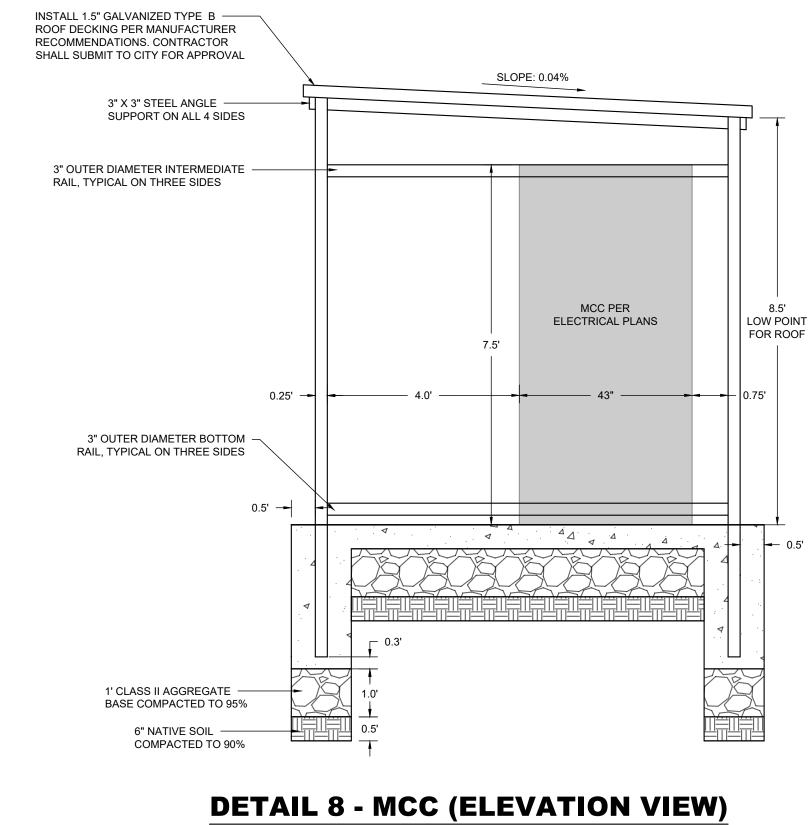
OF 7



**DETAIL 1 - PIPE SUPPORT** SCALE: N.T.S.



**DETAIL 5 - PUMP PEDESTAL** SCALE: N.T.S.



SCALE: N.T.S.

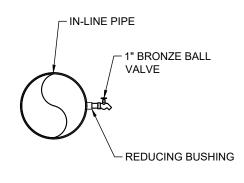
1 PIPE SIZE VARIES, SEE PLANS 2) INSTALL ANVIL ADJUSTABLE PIPE SADDLE SUPPORT FIG 265 WITH FLANGE STAND (OR

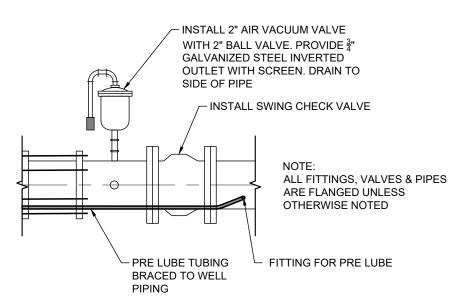
(3) INSTALL  $\frac{1}{8}$ " THICK NEOPRENE GASKET BETWEEN PIPE SADDLE AND PIPE

4 CONSTRUCT CONCRETE FOOTING FOR PIPE SUPPORT WITH #4 REBAR EACH WAY 5 ) INSTALL 9" DIAMETER 150 LB THREAD

6 FLANGE STAND SHALL BE BOLTED TO BASED WITH J-HOOK CAST IN PLACE BOLTS OR POWER DRIVEN ANCHORS (TYP. OF 4)

7 FINISHED GRADE OF ADJACENT CRUSHED



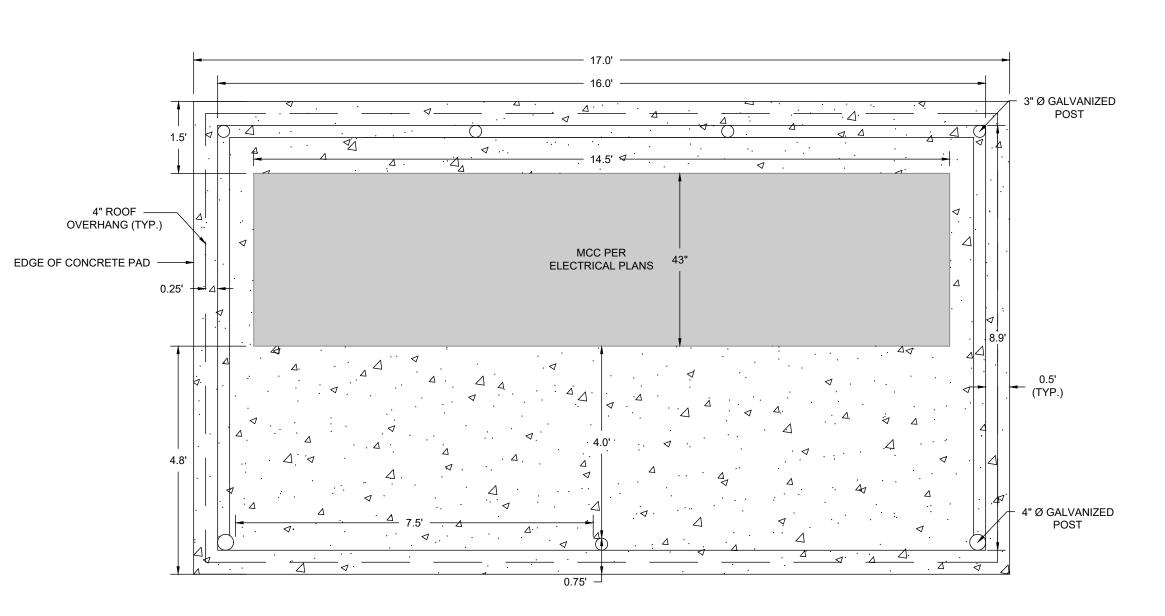


**DETAIL 2 - SAMPLING TAP** SCALE: N.T.S.

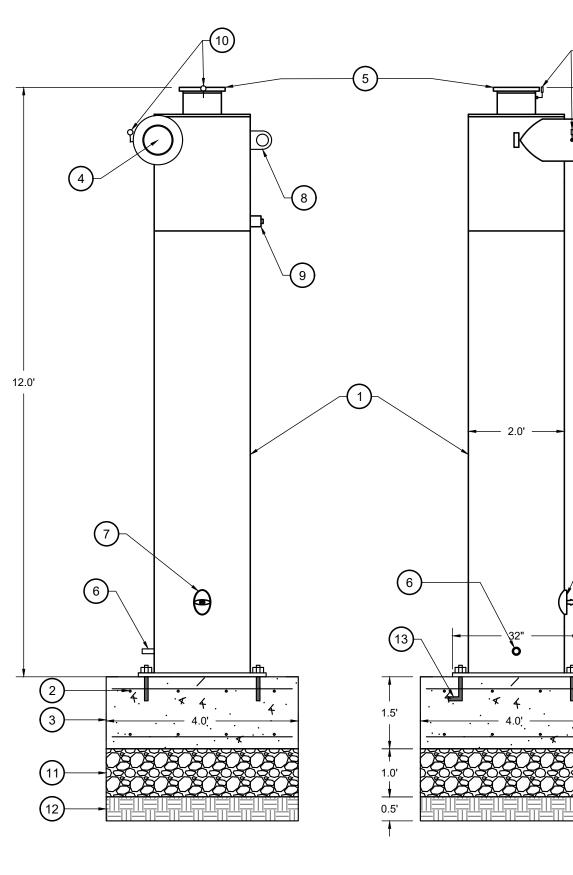


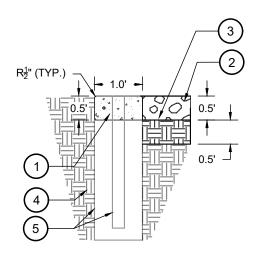
0.2' 4.0' 0.5 **-** − 1.5' ---

- KEYNOTE LEGEND:
- (1) INSTALL 6" DIAMETER STANDARD GALVANIZED PIPE
- 2 INSTALL 3" WIDE RED AND SILVER REFLECTIVE TAPE (TYP.)
- (3) INSTALL THREADED CAP
- 4 FINISHED ADJACENT GRADE
- 5 CONSTRUCT 1.5' DIAMETER CONCRETE FOOTING. CONCRETE SHALL BE 3000 PSI
- (6) INSTALL 8" DIAMETER PIPE SLEEVE



# **DETAIL 6 - REMOVABLE POSTS** SCALE: N.T.S.





KEYNOTE LEGEND:

- 1 CONSTRUCT 12" X 6" CONCRETE MOW STRIP WITH CONTINUOUS #4 REBAR, CENTERED VERTICALLY IN MOW STRIP
- (2) ADJACENT CRUSHED ROCK SURFACING
- 3 COMPACT 6" OF NATIVE SOIL AT 90% RELATIVE COMPACTION
- 4 NATIVE SOIL
- 5 CHAIN-LINK FENCE POST AND FOOTING PER CITY STANDARD DETAILS M-10 AND M-11 ON SHEET 7

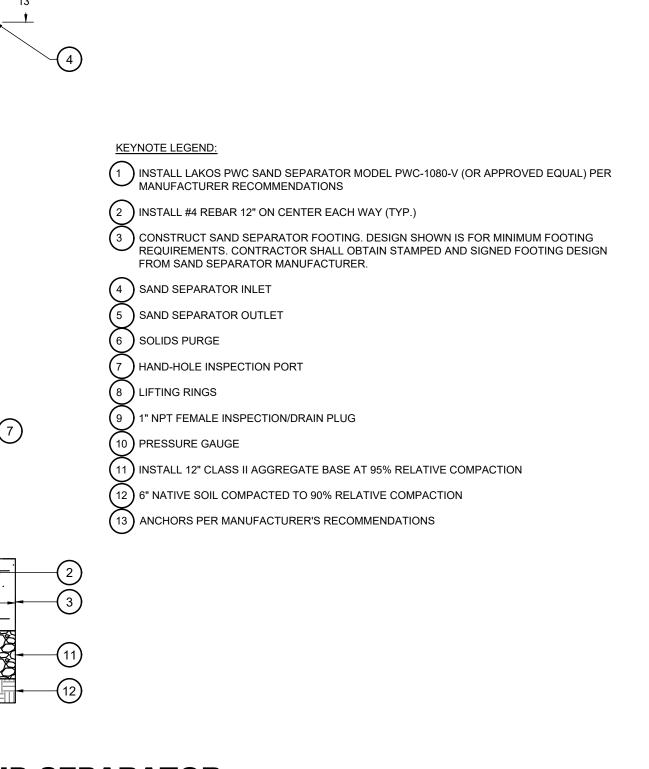
### CONTRACTOR NOTE:

- 1. CONTROL JOINTS SHALL BE INSTALLED EVERY 10' ON CENTER
- 2. EXPANSION JOINTS SHALL BE INSTALLED EVERY 30' ON CENTER

# **DETAIL 4 - CONCRETE MOW STRIP** SCALE: N.T.S.

# **DETAIL 7 - MCC (PLAN VIEW)**

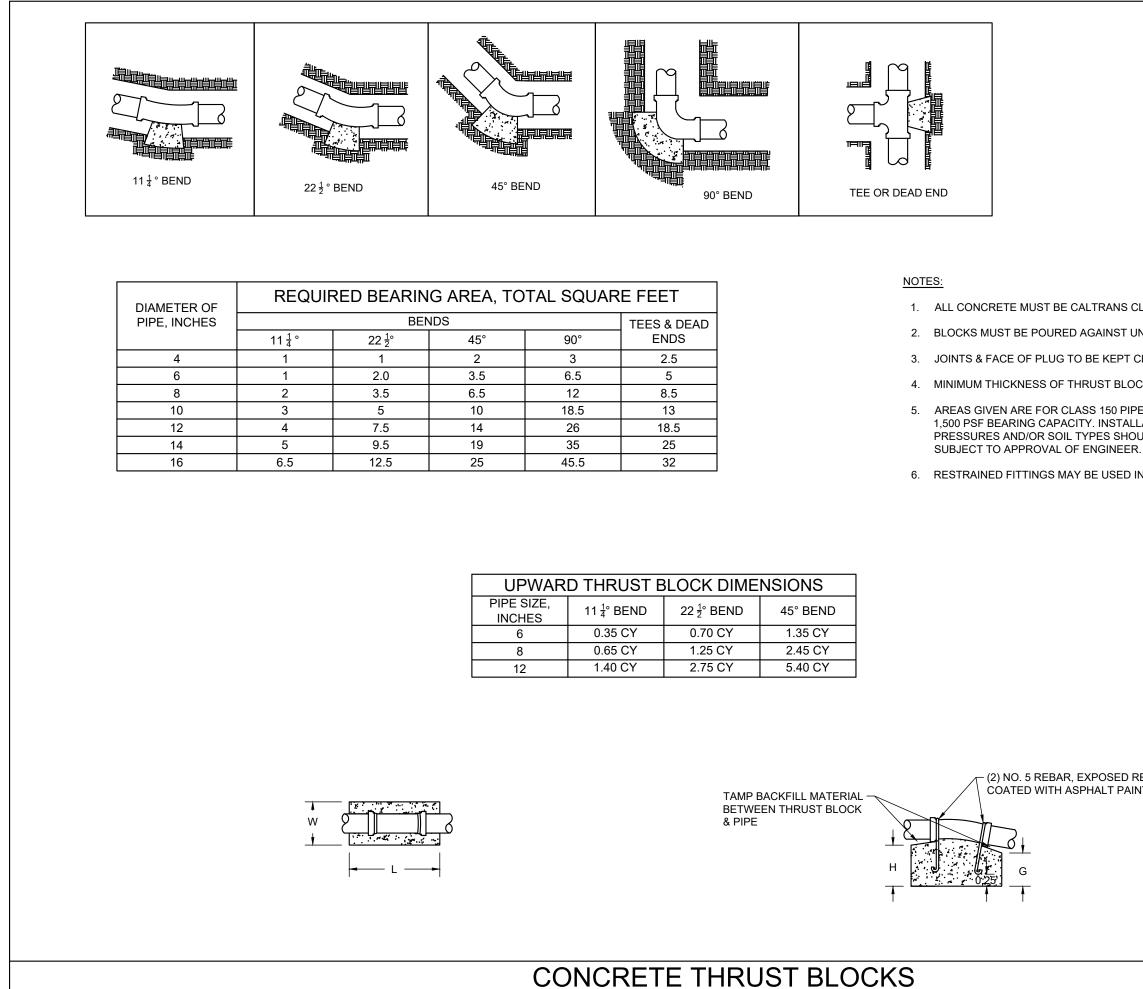
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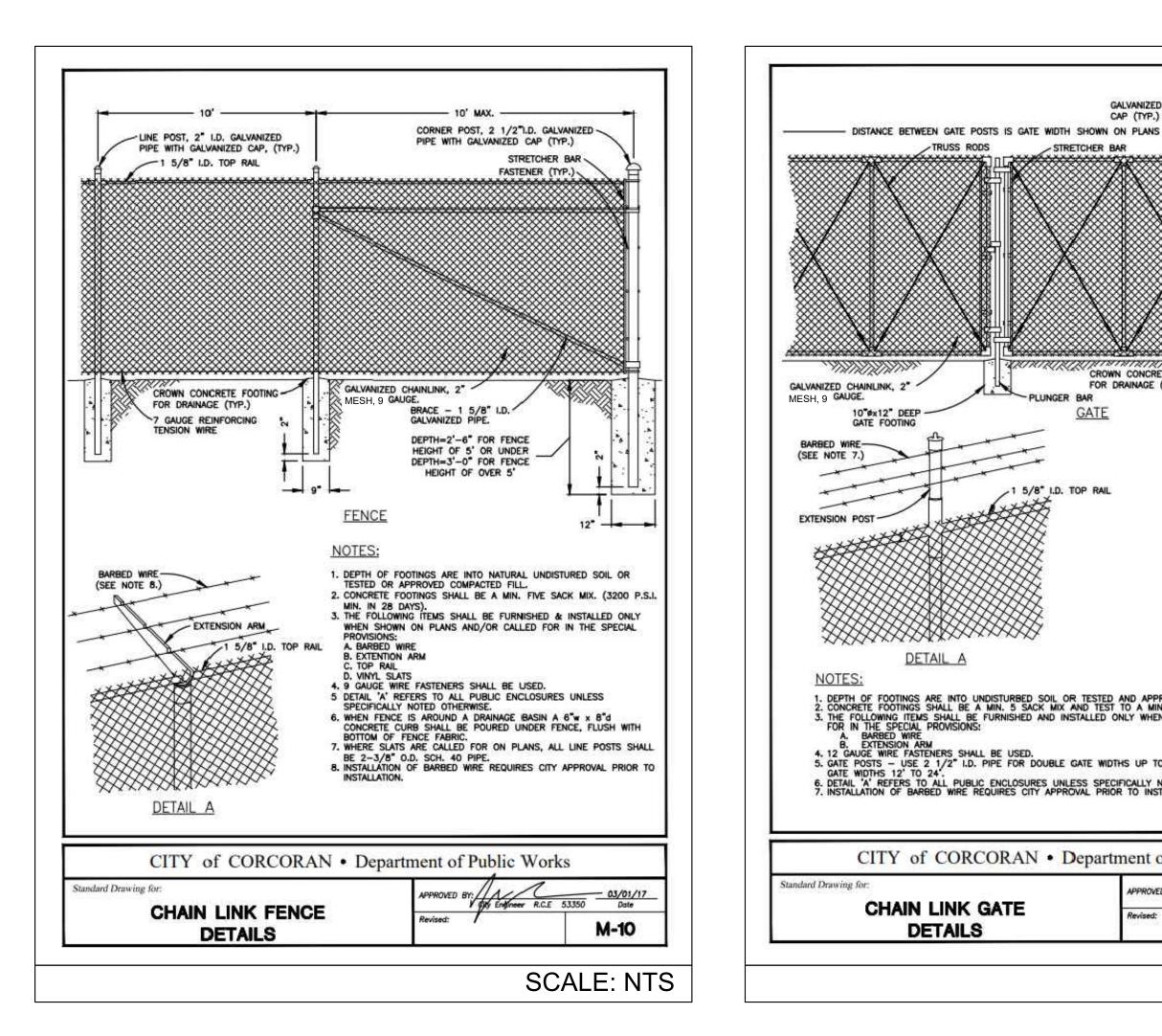


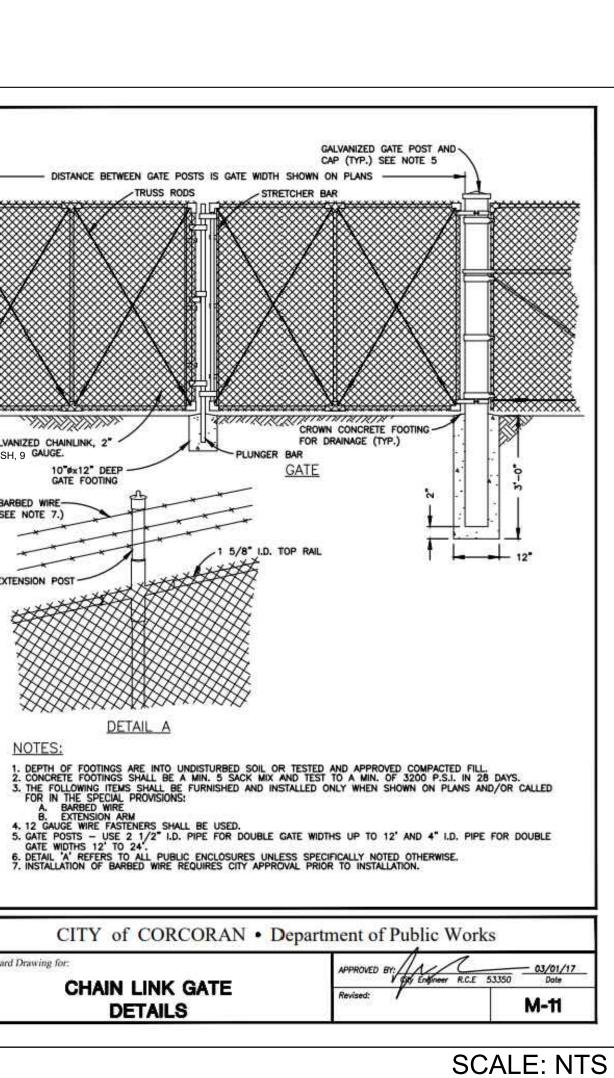
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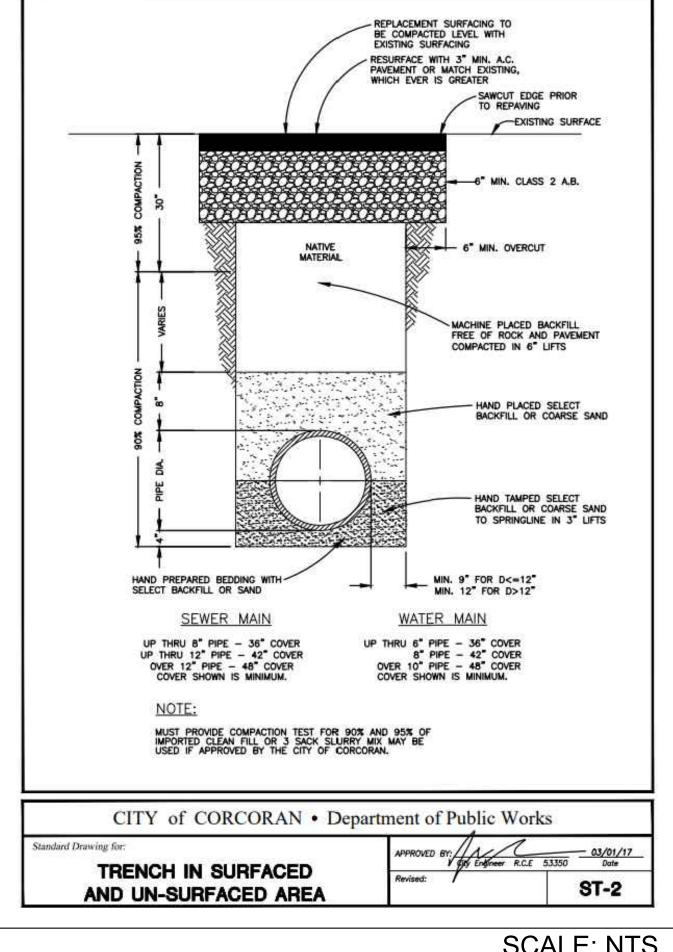
OF 7

**DETAIL 9 - SAND SEPARATOR** SCALE: N.T.S.









# SCALE: NTS

(2) NO. 5 REBAR, EXPOSED REBAR COATED WITH ASPHALT PAINT

6. RESTRAINED FITTINGS MAY BE USED IN PLACE OF THRUST BLOCKS.

5. AREAS GIVEN ARE FOR CLASS 150 PIPE AT A PRESSURE OF 150 PSI IN SOIL WITH 1,500 PSF BEARING CAPACITY. INSTALLATION USING DIFFERENT PIPE, TEST PRESSURES AND/OR SOIL TYPES SHOULD ADJUST AREAS ACCORDINGLY,

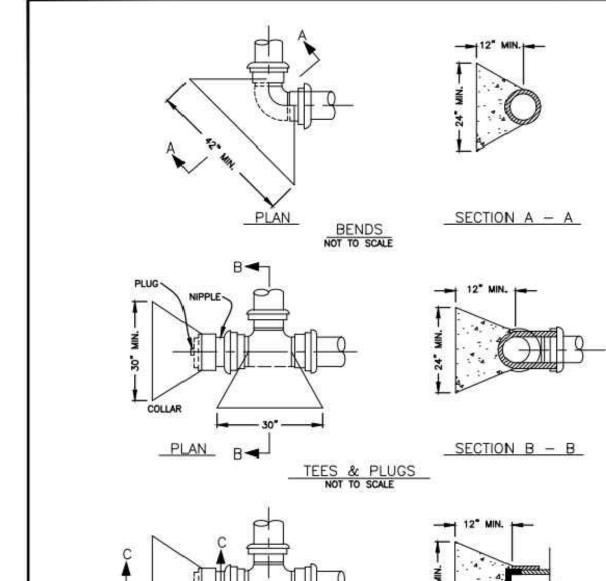
4. MINIMUM THICKNESS OF THRUST BLOCKS TO BE FIVE (5) INCHES

3. JOINTS & FACE OF PLUG TO BE KEPT CLEAR OF CONCRETE

2. BLOCKS MUST BE POURED AGAINST UNDISTURBED SOIL

1. ALL CONCRETE MUST BE CALTRANS CLASS 2, WITH GRADE 60 REINFORCEMENT





PLAN

THRUST BLOCKS ACCORDING TO PIPE MANUFACTURER INSTALLATION GUIDE AND APPROVAL OF CITY ENGINEER

CONCRETE THRUST

BLOCKS

NOTE

Standard Drawing for:

PLUGGED CROSSES

CITY of CORCORAN . Department of Public Works

PROVED BY

SCALE: NTS

- 03/01/17 Date

W-4

CONCRETE FIVE SACK

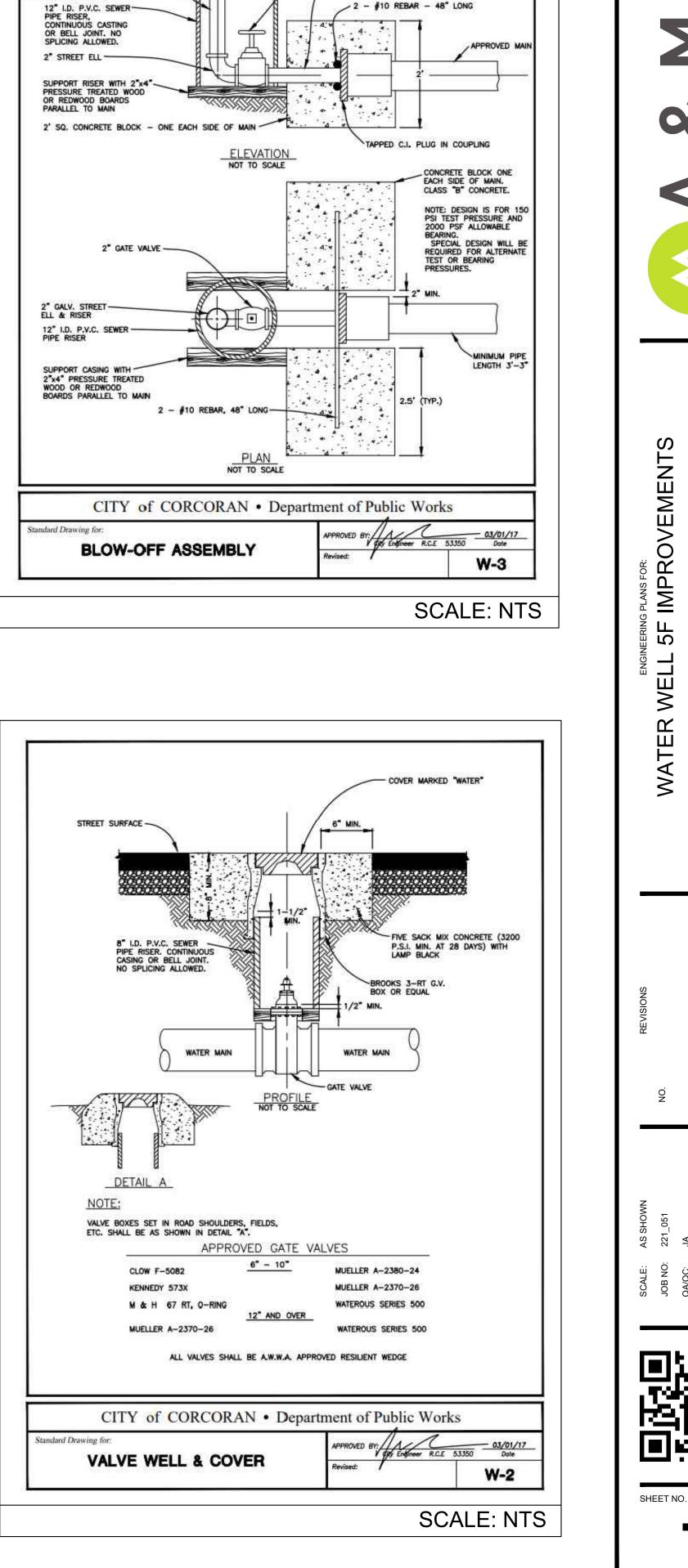
MIX (3000 P.S.I. MIN.

IN 28 DAYS).

SECTION C - C

y Engineer R.C.E 53350

SCALE: NTS



CAST IRON COVER, RING AND VALVE BOX PER CITY STANDARD DRAWING NO. W-2

-2"x12" GALVANIZED NIPPLE

-2 - #10 REBAR - 48" LONG

STREET ELL AND 2" GATE VALVE-KENNEDY C509 OR EQUAL WITH CAST IRON OR BRASS HAND WHEEL.

STREET SURFACE

GALVANIZED -

WRAPPED PIPE W/ COUPLING AND PLUG



OF 7

# CITY OF CORCORAN WELL 8C WATER QUALITY IMPROVEMENTS

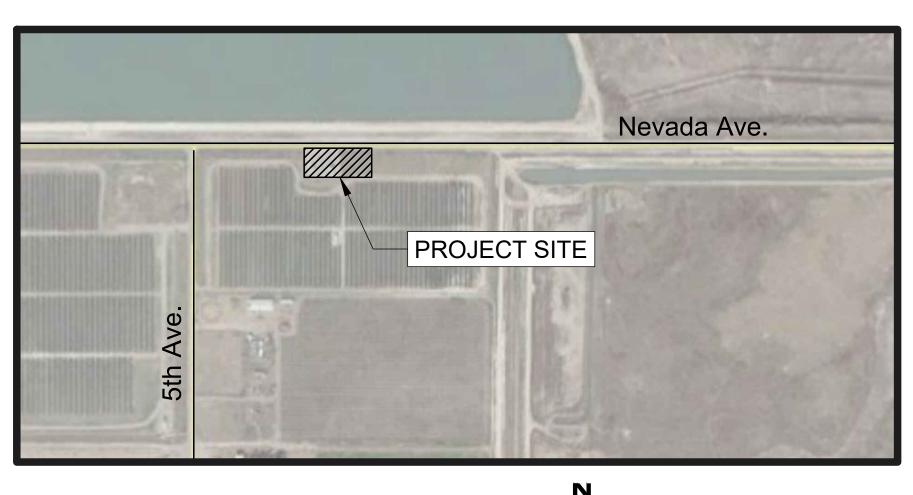
# **GENERAL CONSTRUCTION NOTES**

- EXISTING UTILITIES AND EXISTING IMPROVEMENTS MAY BE SHOWN AT APPROXIMATED LOCATIONS DUE TO THE AVAILABLE RECORD INFORMATION AT THE TIME OF PLAN PREPARATION. OTHER UTILITY LINES MAY EXIST. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY ALL EXISTING UTILITIES BY POTHOLING OR LOCATING SERVICES "811" IF FOUND NECESSARY.
- 2. THE CONTRACTOR SHALL NOTIFY ALL CORRESPONDING UTILITY COMPANIES AND CALL "811" AT LEAST 48 HOURS BEFORE THE COMMENCEMENT OF ANY WORK WHICH MAY REQUIRE UTILITY VERIFICATION. ADDITIONALLY, THE CONTRACTOR WILL SUPPLY SOUTHERN CALIFORNIA GAS COMPANY WITH A CONSTRUCTION SCHEDULE AND NOTIFY OF ANY PRE-CONSTRUCTION MEETINGS.
- 3. THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY OR SUBSTRUCTURE SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. NO CERTIFICATIONS IS MADE AS THE ACCURACY OR THOROUGHNESS OF THESE RECORDS. APPROVAL OF THESE PLANS BY THE CITY OF CORCORAN DOES NOT CONSTITUTE A REPRESENTATION AS THE ACCURACY OR COMPLETENESS OF LOCATION OR THE EXISTENCE OR NONEXISTENCE OF ANY UNDERGROUND UTILITY OF SUBSTRUCTURE WITHIN THE LIMITS OF THE PROJECT.
- 4. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW THE FULL SET OF PLANS FOR ANY DISCREPANCIES AND OMISSIONS PRIOR TO THE COMMENCEMENT OF WORK. IF ANY DISCREPANCIES BETWEEN THESE PLANS AND THE FIELD ARE IDENTIFIED. THE CONTRACTOR SHALL NOTIFY THE ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY WORK NOT IN CONFORMANCE WITH THE PLANS OR IN CONFLICT WITH ANY CODE.
- 5. AN APPROVED SET OF PLANS MUST BE AVAILABLE ON THE JOB SITE AT ALL TIMES.
- 6. THE CONTRACTOR SHALL POSSESS THE CLASS (OR CLASSES) OF LICENSE AS SPECIFIED IN THE "NOTICE TO BIDDERS."
- 7. ALL WORK SHALL BE PERFORMED IN CONFORMANCE WITH THE PROVISIONS IN THE AWWA A100-20 WATER WELLS STANDARDS DATED 2020, ALONG WITH THE CITY OF CORCORAN STANDARD DRAWINGS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL MATERIALS, FABRICATIONS, EQUIPMENT, APPLIANCES, TRANSPORTATION, SERVICES AND LABOR NECESSARY FOR THE CONSTRUCTION, ERECTION AND INSTALLATION OF ALL WORK INDICATED ON THESE DRAWINGS AND/OR OUTLINED IN EACH SECTION OF THE SPECIFICATIONS.
- 9. FOR THE DURATION OF THE WORK, THE CONTRACTOR SHALL PROVIDE, INSTALL AND MAINTAIN , AS MAY BE REQUIRED, ALL NECESSARY BARRICADES AND RAILINGS, LIGHTS, WARNING SIGNS AND SIGNALS, AND SHALL TAKE ALL OTHER PRECAUTIONS AS MAY BE REQUIRED TO SAFEGUARD PERSONS, THE JOB SITE AND ADJOINING PROPERTY, AGAINST INJURIES AND DAMAGE OF ANY NATURE.
- 10. THE CONTRACTOR AND EACH SUBCONTRACTOR SHALL GIVE THEIR PERSONAL ATTENTION TO THE WORK; BE RESPONSIBLE FOR THE LAYOUT AND CORRECTNESS OF THEIR WORK AND COOPERATE WITH EACH OF THE VARIOUS TRADES TO OBTAIN A NEAT FINISHED AND WORKMANLIKE JOB.
- 11. THE CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES THE CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.
- 12. TO THE FULLEST EXTENT PERMITTED BY LAWS AND REGULATIONS, CONTRACTOR SHALL INDEMNIFY AND HOLD HARMLESS OWNER AND ENGINEER, AND THE OFFICERS, DIRECTORS, MEMBERS, PARTNERS, EMPLOYEES, AGENTS, CONSULTANTS AND SUBCONTRACTORS OF EACH AND ANY OF THEM FROM AND AGAINST ALL CLAIMS, COSTS, LOSSES, AND DAMAGES (INCLUDING BUT NOT LIMITED TO ALL FEES AND CHARGES OF ENGINEERS, ARCHITECTS, ATTORNEYS, AND OTHER PROFESSIONALS AND ALL COURT OR ARBITRATION OR OTHER DISPUTE RESOLUTION COSTS) ARISING OUT OF OR RELATING TO THE PERFORMANCE OF THE WORK, PROVIDED THAT ANY SUCH CLAIM, COST, LOSS, OR DAMAGE IS ATTRIBUTABLE TO BODILY INJURY, SICKNESS, DISEASE, OR DEATH, OR TO INJURY TO OR DESTRUCTION OF TANGIBLE PROPERTY (OTHER THAN THE WORK ITSELF). INCLUDING THE LOSS OF USE RESULTING THEREFROM BUT ONLY TO THE EXTENT CAUSED BY ANY NEGLIGENT ACT OR OMISSION OF CONTRACTOR, ANY SUBCONTRACTOR, ANY SUPPLIER, OR ANY INDIVIDUAL OR ENTITY DIRECTLY OR INDIRECTLY EMPLOYED BY ANY OF THEM TO PERFORM ANY OF THE WORK OR ANYONE FOR WHOSE ACTS ANY OF THEM MAY BE LIABLE.
- 13. SHOULD A CONSTRUCTION SURVEY OR CONSTRUCTION STAKING BE NECESSARY, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THIS SERVICE.
- 14. DO NOT SCALE DRAWINGS. IF UNABLE TO LOCATE DIMENSIONS FOR ANY ITEM OF WORK, CONTACT THE ENGINEER FOR DIRECTION BEFORE PROCEEDING
- 15. ALL DAMAGE TO AREAS AND/OR PROPERTY NOT SPECIFICALLY PART OF THE PROJECT SITE CAUSED DURING CONSTRUCTION ACTIVITIES WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RETURN TO PRE-CONSTRUCTION CONDITIONS.
- 16. CHANGES TO THE APPROVED DRAWINGS SHALL BE MADE BY ADDENDUM OR A CHANGE ORDER SIGNED BY THE ENGINEER AND APPROVED BY THE PUBLIC WORKS/ENGINEERING OFFICIALS.
- 17. DUST AND DEBRIS CONTROL MEASURES SHALL BE IMPLEMENTED IN ACCORDANCE WITH THE REQUIREMENTS OF THE SAN JOAQUIN VALLEY UNIFIED AIR POLLUTION CONTROL DISTRICT - DISTRICT REGULATION VIII - FUGITIVE DUST RULES.

# **CONTRACTOR QUALIFICATION REQUIREMENTS**

MUNICIPAL WATER WELL EXPERIENCE

- A. A QUALIFIED CONTRACTOR/SUBCONTRACTOR AND/OR HIS/HER SITE SUPERINTENDENT OR FOREMAN SHALL HAVE A MINIMUM OF 5 YEARS OF EXPERIENCE PERFORMING MUNICIPAL WATER WELL PROJECTS OF SIMILAR TECHNICAL COMPLEXITIES AND WORK SCOPES TO THE CITY OF CORCORAN'S WELL 8C PROJECT.
- B. CONTRACTOR SHALL PROVIDE THE PROJECT NAME, PROJECT OWNER, PROJECT OWNER'S CONTACT PERSON, PHONE NUMBER, ADDRESS, CONTRACTOR SITE SUPERINTENDENT OR FOREMAN PROJECT COMPLETION DATE, AND PROJECT CONTRACT AMOUNT FOR THESE PROJECTS.
- C. ALL BIDDERS MUST COMPLETE AND SUBMIT THE "MUNICIPAL WATER WELL EXPERIENCE VERIFICATION" BID FORM. TO THE CITY OF CORCORAN, NO LATER THAN 4:00 P.M. ON THE 5TH BUSINESS DAY AFTER PUBLIC POSTING OF BID RESULTS. FAILURE TO PROVIDE ALL THE REQUIRED INFORMATION MAY CAUSE THE BID TO BE CONSIDERED NON-RESPONSIBLE
- D. VERIFICATION
- 1. THE EXPERIENCE OF THE APPARENT LOW BIDDER WILL BE CHECKED FOR COMPLIANCE WITH THESE REQUIREMENTS. THE CITY WILL NOTIFY THE APPARENT LOW BIDDER OF ANY DEFICIENCIES FOUND AND WILL ALLOW THE BIDDER THE OPPORTUNITY TO RESPOND IN WRITING WITH REASONABLE CLARIFICATIONS. THE DETERMINATION OF SUFFICIENT EXPERIENCE BY THE CITY SHALL BE FINAL AND CONCLUSIVE AS TO THAT BIDDER AND ALL OTHER BIDDERS.
- 2. IF THE APPARENT LOW BIDDER IS DETERMINED TO BE NON-RESPONSIBLE, THE CITY WILL REVIEW THE NEXT LOW BIDDER'S QUALIFICATIONS FOR COMPLIANCE WITH THE REQUIREMENTS.
- F. CONTRACTOR
- 1. THE CONTRACTOR SHALL POSSESS THE CLASS (OR CLASSES) OF LICENSE AS SPECIFIED IN THE "NOTICE TO BIDDFRS



**VICINITY MAP** CITY OF CORCORAN



# **CITY & ENGINEER CONTACTS**

- PUBLIC WORKS DIRECTOR
- JOSEPH FAULKNER CITY OF CORCORAN 832 WHITLEY AVE CORCORAN, CA 93212 (559) 992-2151 EXT. 262

### CIVIL ENGINEER

ORFIL MUNIZ, PE, QSD A&M CONSULTING ENGINEERS 220 N LOCUST ST VISALIA, CA 93291 (559) 429-4747

# **PROJECT UTILITY CONTACTS**

PG&E JEFF HEIDNGER 705 "P" ST., FRESNO, CA 93760 (559) 263-7368

SOUTHERN CALIFORNIA GAS CO

BOB WALKER 404 N TIPTON STREET VISALIA, CA 93292 (818) 701-2552

CITY OF CORCORAN WATER AND WASTEWATER JOSEPH FAULKNER 832 WHITLEY AVE CORCORAN, CA 93212 (559) 992-2151 EXT. 262

FRONTIER COMMUNICATION SOCRATES LUNA 1359 "G" STREET, REEDLEY, CA 93654 (559) 637-0666

# **NOTIFICATION REQUIREMENTS**

A. THE CONTRACTOR SHALL BE RESPONSIBLE TO GIVE NOTICE TO THE ENGINEER IN WRITING PRIOR TO PERFORMANCE OF SPECIFIC OPERATIONS AS FOLLOWS.

- 1. APPROXIMATE 30-DAY NOTICE OF INTENT TO MOBILIZE TO PROVIDE TIME FOR OWNER PRE- CONSTRUCTION CEQA COMPLIANCE SURVEYS. 2. AT LEAST FIVE (5) WORKING DAYS ADVANCE NOTICE OF INTENT TO MOVE ONSITE.
- 3. AT LEAST TWO (2) WORKING DAY'S NOTICE OF INTENT TO MOVE OFFSITE.
- B. THE ENGINEER MAY PERFORM FULL TIME CONSTRUCTION OBSERVATION AND INSPECTION. THE CONTRACTOR SHALL TELEPHONE THE ENGINEER DAILY WITH A REPORT ON THE STATUS OF THE WORK AND THE EXPECTED WORK TO BE ACCOMPLISHED IN THE NEXT 24 HOURS.

# **INDEX OF PLANS**

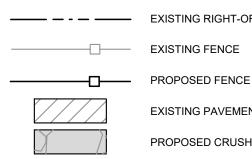
### 1 - COVER SHEET

- 2 WATER WELL 8C SITE PLAN
- 3 GRADING & DRAINAGE PLAN 4 - EXISTING WATER WELL 8B PUMP AND DISCHARGE PLAN
- 5 PROPOSED WATER WELL 8C PUMP AND DISCHARGE PLAN
- 6 CONSTRUCTION DETAILS
- 7 CONSTRUCTION DETAILS

# **ABBREVIATIONS & LEGEND**

APPROX	APPROXIMATE
С	CONCRETE
CITY	CITY OF CORCORAN
CL	CENTERLINE
COMM	COMMUNICATION
CR	CROWN
DIA	DIAMETER
DIP	DUCTILE IRON PIPE
DWG	DRAWING
EP	EDGE OF PAVEMENT
EXIST	EXISTING
(E)	EXISTING
FEN	FENCE
FG	FINISHED GRADE
GA	GAGE, GAUGE
GPH	GALLONS PER HOUR
GUY	GUY WIRE
HORZ	HORIZONTAL
INV	INVERT
IRR	IRRIGATION
LIP	GUTTER LIP
LP	LIGHT POLE
MAX	MAXIMUM
MH	MANHOLE
MIN	MINIMUM
MON	MONUMENT
N	NEW
NO	NUMBER
NTS	NOT TO SCALE
N.T.S.	NOT TO SCALE
OC	ON CENTER
OG	ORIGINAL GROUND
PL	PROPERTY LINE
PP	POWER POLE
PSI	POUNDS PER SQUARE INCH
PT	POINT
PVC	POLYVINYL CHLORIDE
REBAR	REINFORCING BAR
ROW	RIGHT-OF-WAY
R/W	RIGHT-OF-WAY
RT	RIGHT
SCH	SCHEDULE

SD	STORM DRAIN
SDMH	STORM DRAIN MANHOLE
SQ	SQUARE
SS	SANITARY SEWER
ST	STREET
STA	STATION
STD	STANDARD
тс	TOP OF CURB
TYP	TYPICAL
VERT	VERTICAL
W	WATER
W/	WITH
WELL	WATER WELL
WV	WATER VALVE
@	AT
Ø	DIAMETER
(XXX.XX)	EXISTING ELEVATION
S=0.XXXX	PROPOSED SLOPE IN DECIMAL



 EXISTING RIGHT-OF-WAY EXISTING PAVEMENT PROPOSED CRUSHED ROCK

# **CONTROL POINTS**

TEMPORARY CONTROL POINT: CP1

ELEVATION: LOCAL ASSUMED 201.50' DESCRIPTION: NAIL AND SHINER LOCATED ON THE SOUTHERN EDGE OF PAVEMENT OF NEVADA AVENUE, APPROXIMATELY 40' NORTH OF THE NORTHEAST CORNER OF THE FENCE LINE AT WELL 8B

TEMPORARY CONTROL POINT: CP2

ELEVATION: LOCAL ASSUMED 201.57' DESCRIPTION: NAIL AND SHINER LOCATED ON THE SOUTHERN EDGE OF PAVEMENT OF NEVADA AVENUE, APPROXIMATELY 40' NORTH OF THE NORTHWEST CORNER OF THE FENCE LINE AT WELL 8B





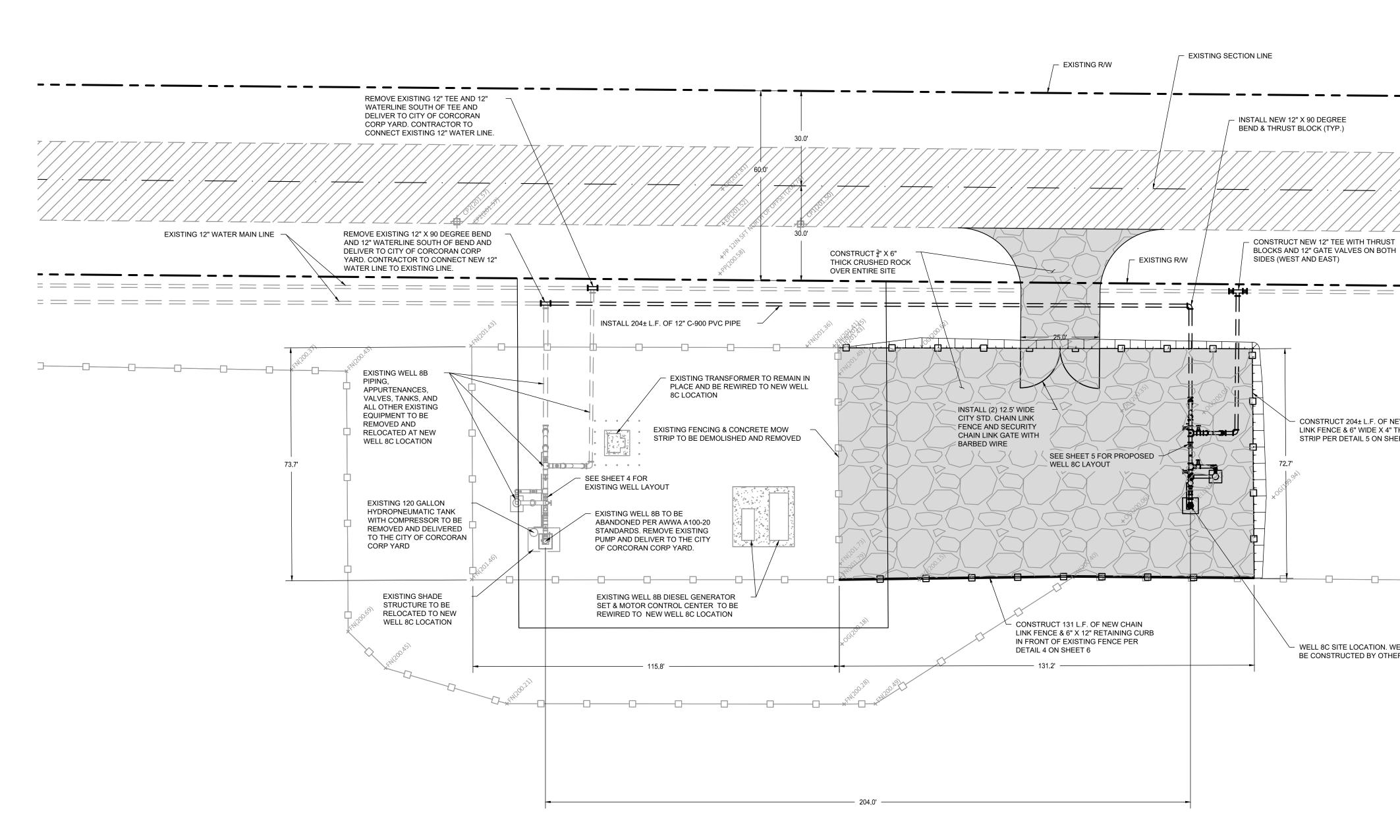
# **CONTRACTOR NOTES**



	EXISTING PAVEMENT
$\geq$	PROPOSED CRUSHED ROCK

<u>)</u>	





A. THE CONTRACTOR SHALL COORDINATE THE DESTRUCTION ACTIVITIES WITH THE ENGINEER TO ALLOW FOR BOTH OBSERVATION OF THE WORK AND CONFORMATION OF COMPLIANCE WITH THESE SPECIFICATIONS.

B. THE WELL SHALL BE DESTROYED UTILIZING ACCEPTABLE METHODS DESCRIBED IN THE KINGS COUNTY CODE AND THE CALIFORNIA DEPARTMENT OF WATER RESOURCES BULLETIN 74-81 AND ITS SUPPLEMENT BULLETIN 74-90. THIS SHALL INCLUDE PERFORATION OF THE 18-INCH CASING FROM 20 FEET TO 150 FEET BELOW GROUND SURFACE. WELL SHALL BE FILLED WITH IMPERMEABLE MATERIAL TO THE SURFACE OF THE EXISTING CASING AND THE CASING EXTENSION ABOVE THE FLOOR LEFT INTACT FOR FUTURE DEMOLITION BY THE CITY OF ALL IMPROVEMENTS AT THIS SITE UNDER A SEPARATE CONTRACT.

C. THE CONTRACTOR IS REQUIRED TO OBTAIN AND COMPLY WITH ALL PERMITTING REQUIREMENTS OF REGULATORY AGENCIES INCLUDING THE KINGS COUNTY DEPARTMENT OF ENVIRONMENTAL MANAGEMENT. IN ADDITION, THE CONTRACTOR SHALL PREPARE AND SUBMIT A CALIFORNIA DEPARTMENT OF WATER RESOURCES (DWR) WELL DRILLER'S REPORT SUBSEQUENT TO DESTROYING THE WELL.

# **NOTIFICATION NOTES**

THE CONTRACTOR SHALL BE RESPONSIBLE TO GIVE NOTICE TO THE ENGINEER IN WRITING PRIOR TO PERFORMANCE OF SPECIFIC OPERATIONS AS FOLLOWS:

AT LEAST FIVE (5) WORKING DAYS ADVANCE NOTICE OF INTENT TO MOVE ONSITE.

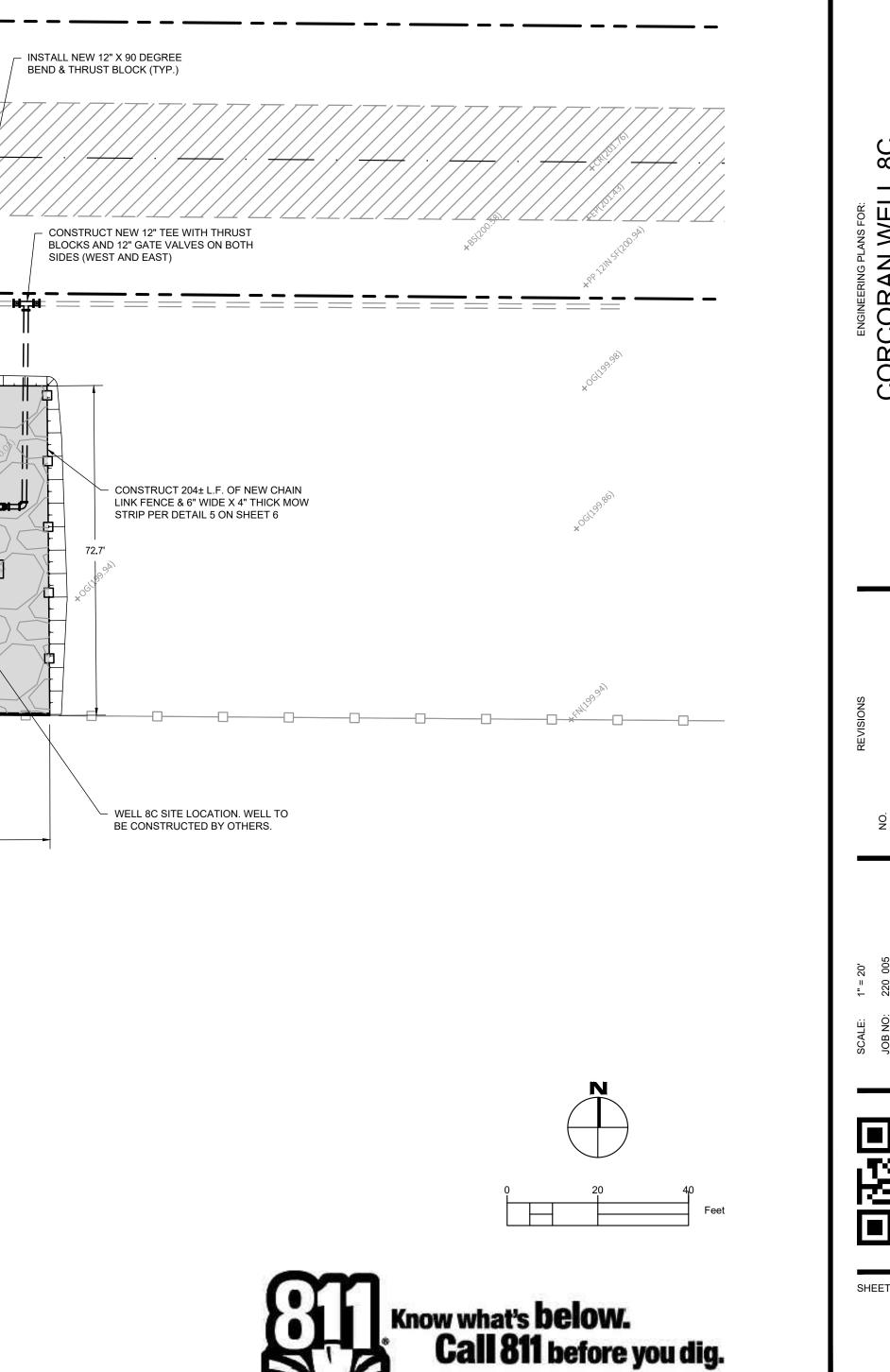
AT LEAST SEVENTY-TWO (72) HOURS ADVANCED NOTICE OF INTENT TO START DRILLING OPERATIONS OF THE PRODUCTION WELL.

AT LEAST THREE (3) WORKING DAYS NOTICE OF INTENT TO MOVE OFFSITE. AT LEAST SEVENTY-TWO (72) ADVANCE NOTICE TO THE CITY INSPECTION PRIOR TO DISCHARGE OF WATER TO MID AND SHALL CONFIRM WITH THE CITY INSPECTOR WITHIN TWELVE (12) HOURS OF DISCHARGE THAT DISCHARGE MAY PROCEED.

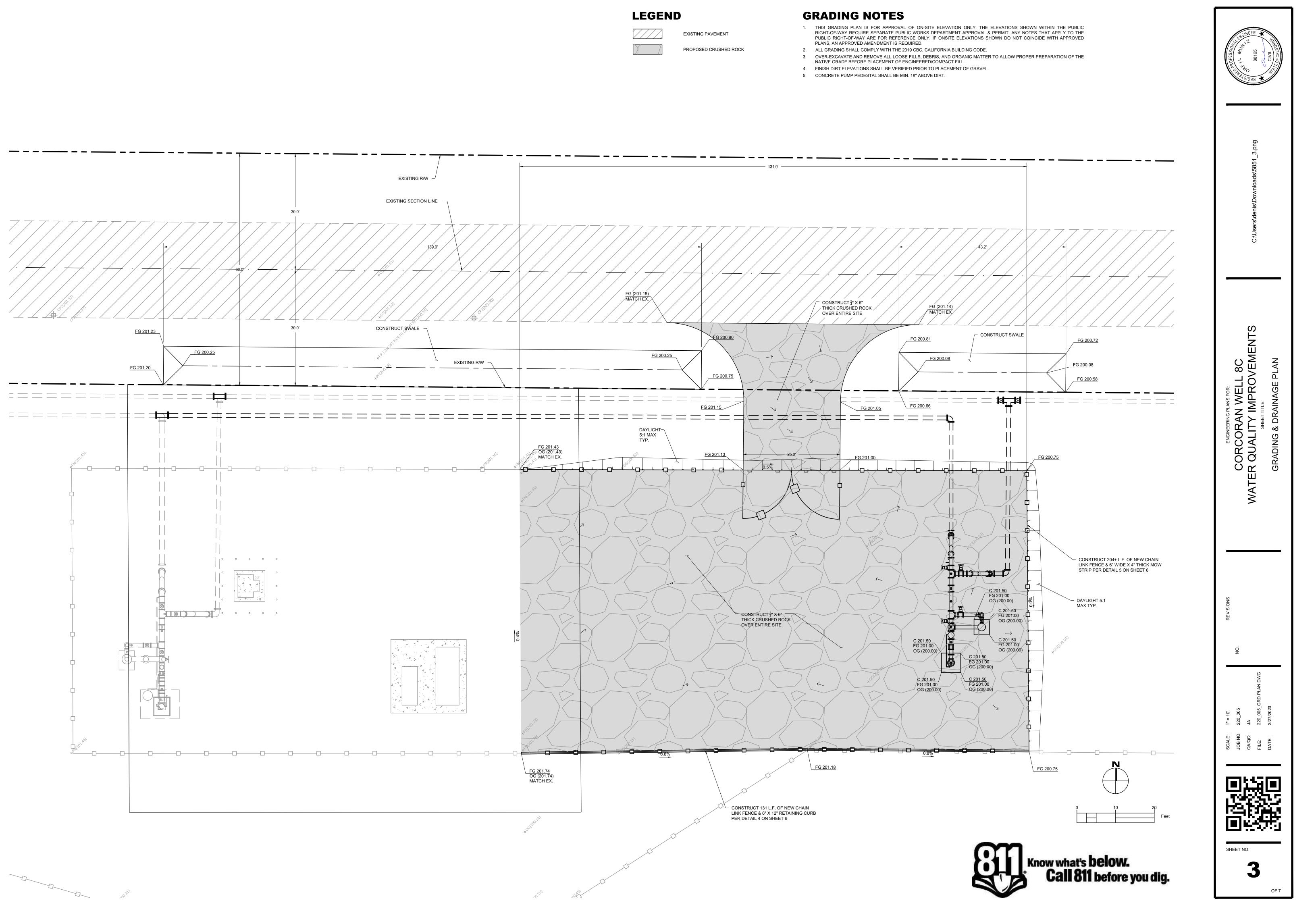
THE ENGINEER WILL PERFORM PART TIME CONSTRUCTION OBSERVATION AND INSPECTION. THE CONTRACTOR SHALL TELEPHONE THE ENGINEER DAILY WITH A REPORT ON THE STATUS OF THE WORK AND THE EXPECTED WORK TO BE ACCOMPLISHED IN THE NEXT TWENTY-FOUR (24) HOURS.

# **GENERAL DEMOLITION NOTES**

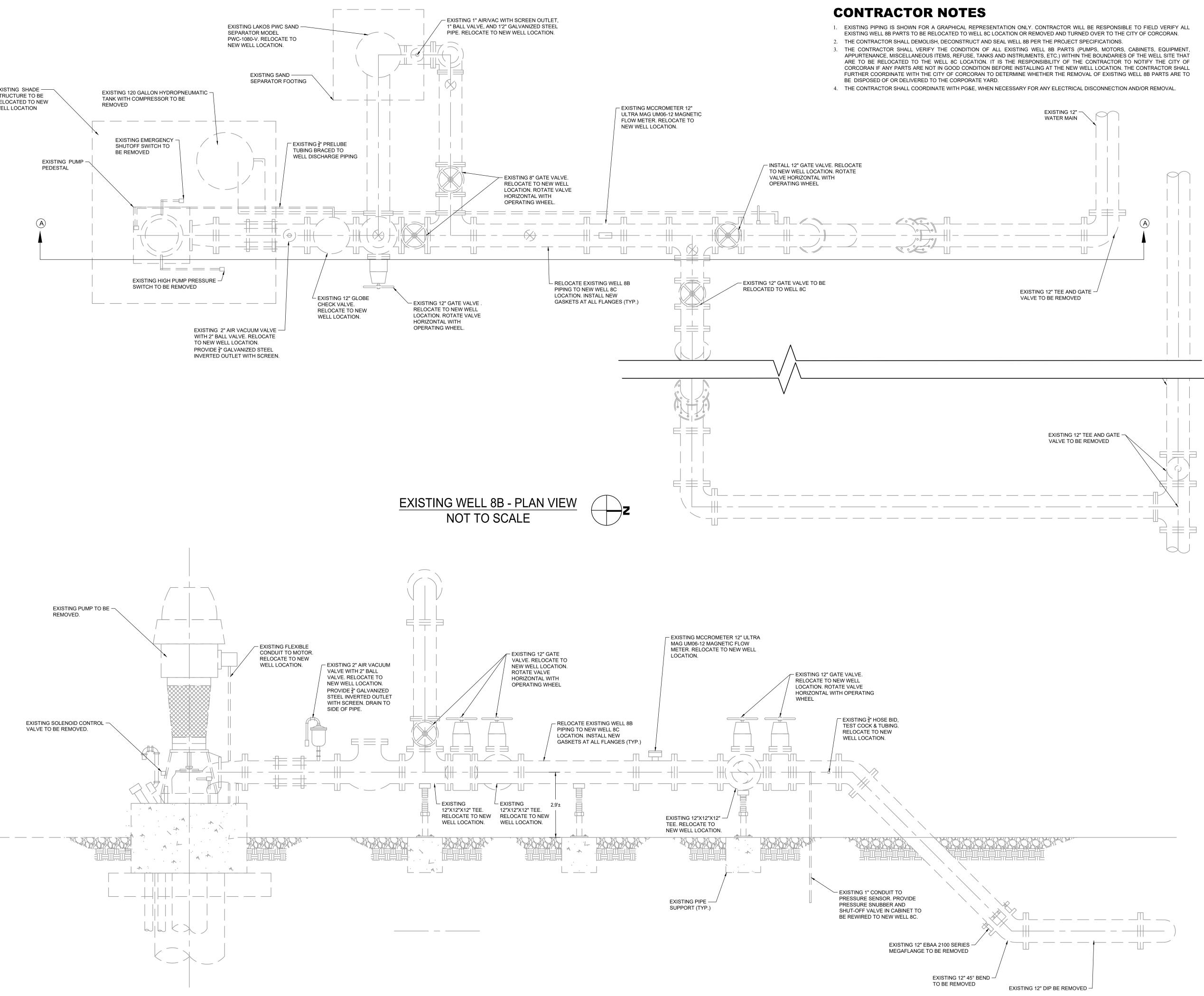
- 1. VERIFY FIELD CONDITIONS PRIOR TO START OF DEMOLITION AND NOTIFY THE CITY OF CORCORAN OF ANY DISCREPANCIES.
- 2. BEFORE COMMENCING ANY WORK, CONTRACTOR SHALL VERIFY THAT ALL UTILITY CONNECTIONS HAVE BEEN PROPERLY DISCONNECTED OR REMOVED.
- 3. THE CITY OF CORCORAN HAS SALVAGE RIGHT ON ALL ITEMS REMOVED.
- 4. KEEP CLEAN ALL EXISTING SPACES AND PROPERTIES ADJACENT TO DEMOLITION AREAS. REMOVE FROM THE SITE OR MINIMIZE ALL DEBRIS, RUBBISH AND OTHER MATERIALS RESULTING FROM DEMOLITION OPERATIONS DAILY.
- 5. CONTRACTOR SHALL APPLY WATER OR OTHER SUITABLE METHODS REQUIRED BY THE ENGINEER, NECESSARY TO CONTROL DUST CAUSED BY DEMOLITION WORK.
- 6. ANY CAVITIES LEFT BY THE REMOVAL OF ANY ITEM SHALL BE BACKFILLED AND COMPACTED TO 90% RELATIVE COMPACTION UNLESS OTHERWISE NOTED.
- 7. ITEMS REMOVED AS INDICATED ON THE DRAWINGS SHALL BE DISPOSED OF PROPERLY.
- 8. CONTRACTOR TO BE RESPONSIBLE FOR SITE SECURITY DURING WORK.

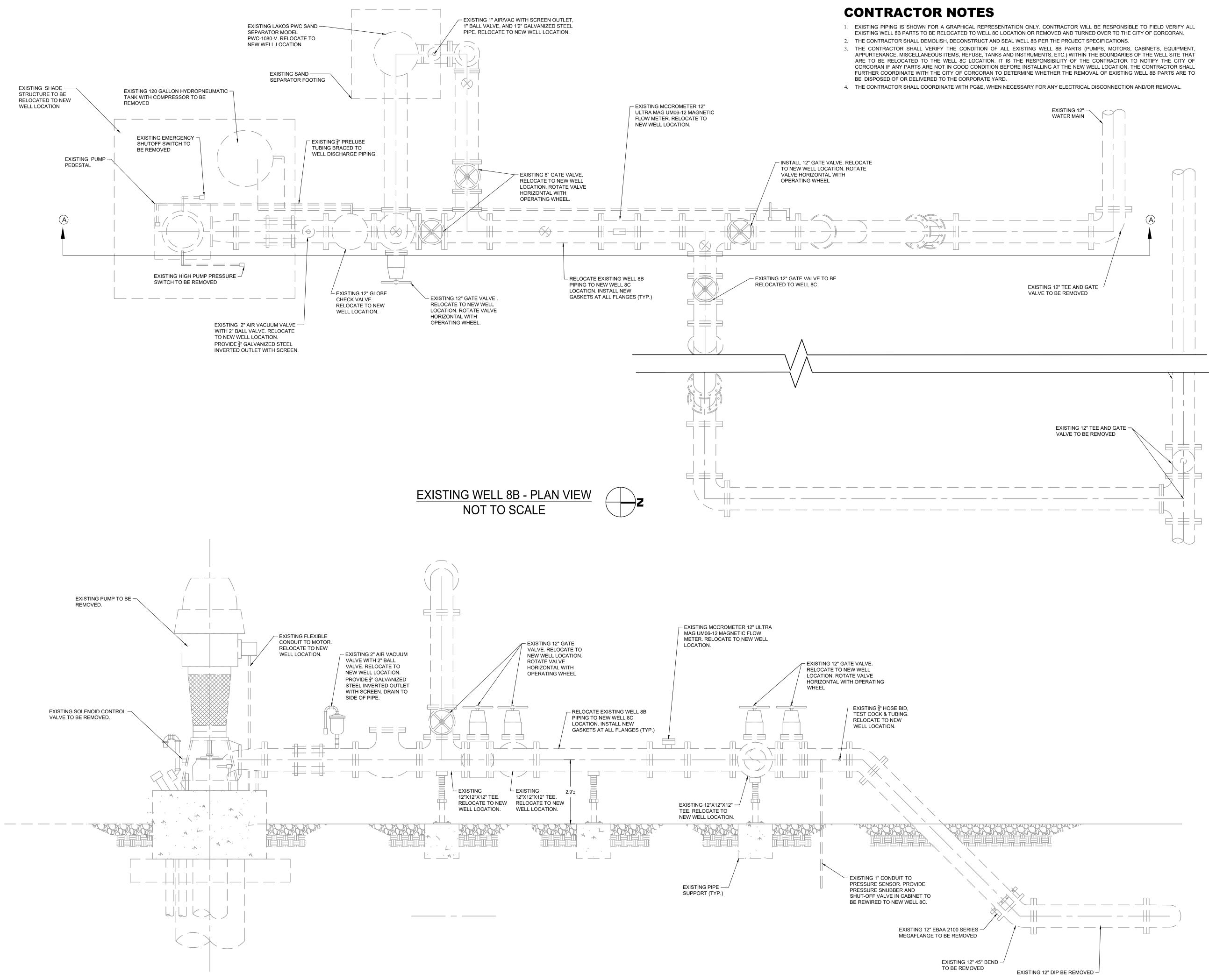




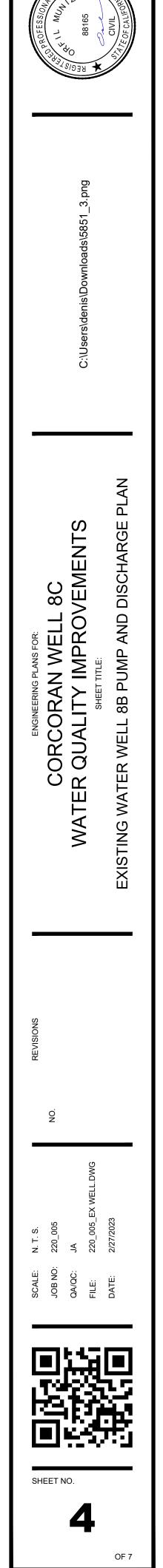


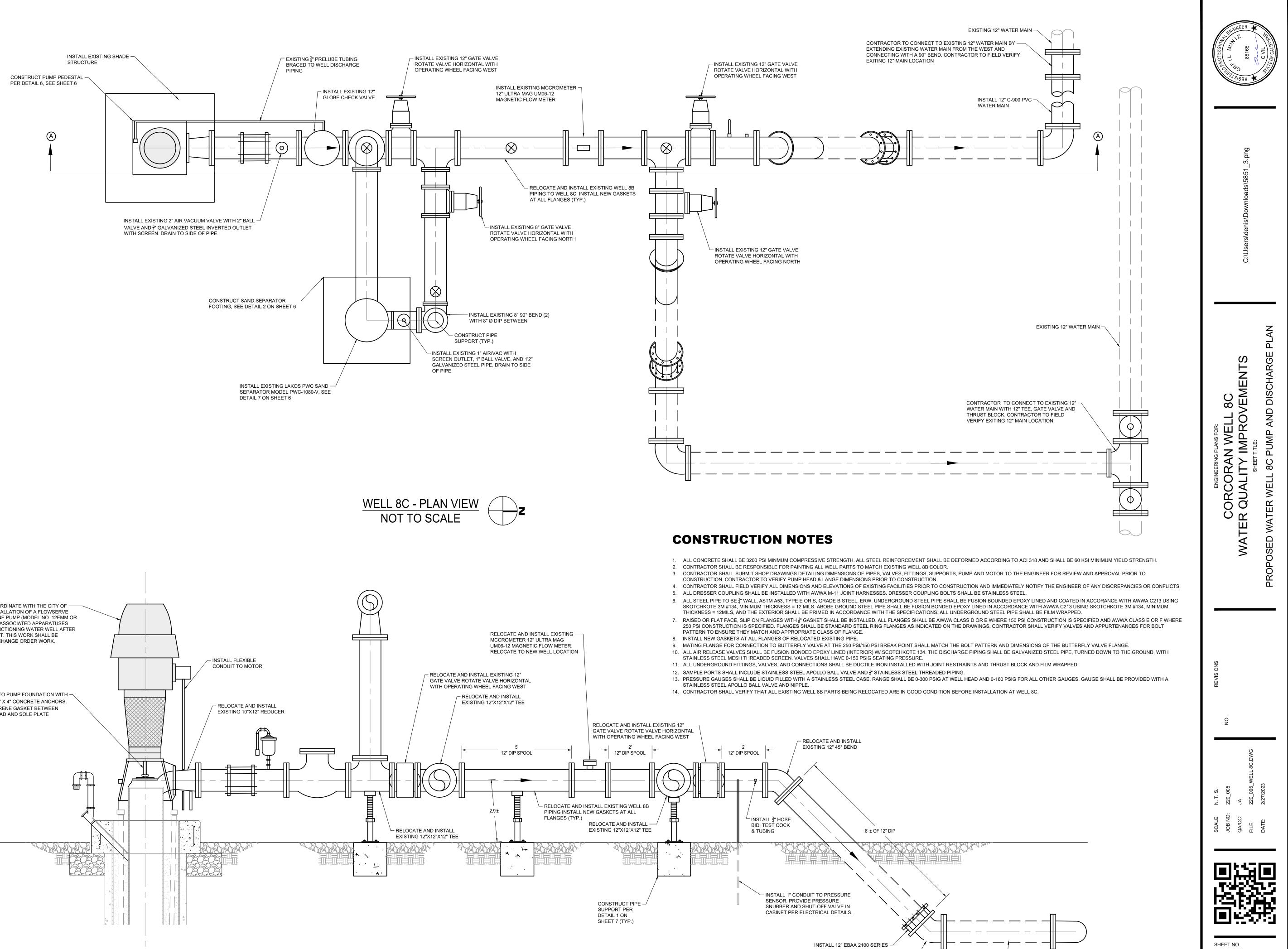


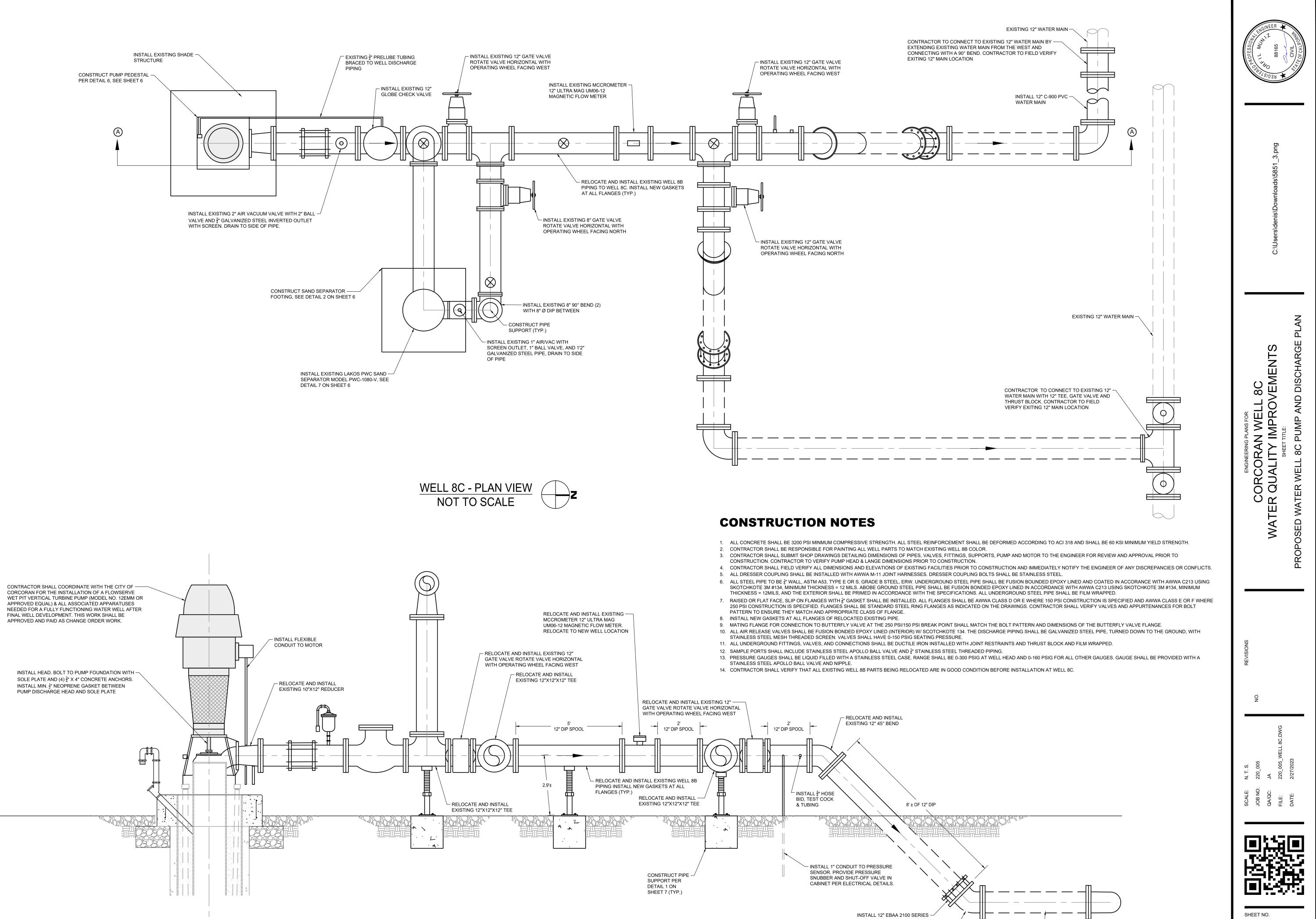




SECTION A-A, EXISTING WELL 8B - PROFILE VIEW NOT TO SCALE





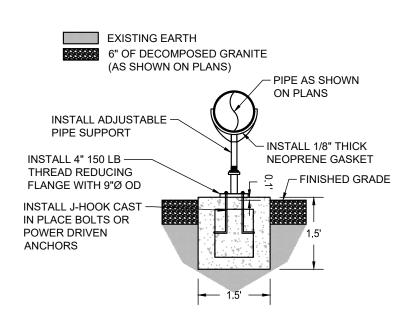


SECTION A-A (WELL 8C - PROFILE VIEW) NOT TO SCALE

MEGAFLANGE OR APPROVED EQUAL

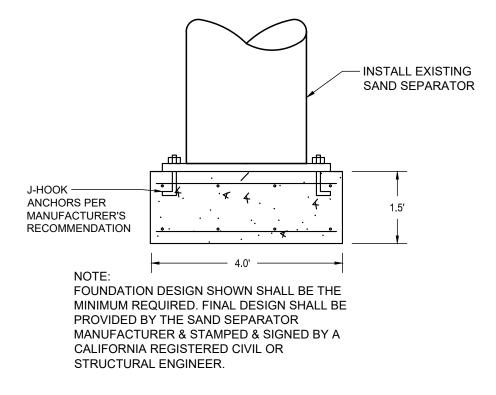
> INSTALL 12" –/ 45° BEND

> > INSTALL 12" C-900 PVC PIPE, -CONTRACTOR TO DETERMINE EXACT PIPE LENGTHS

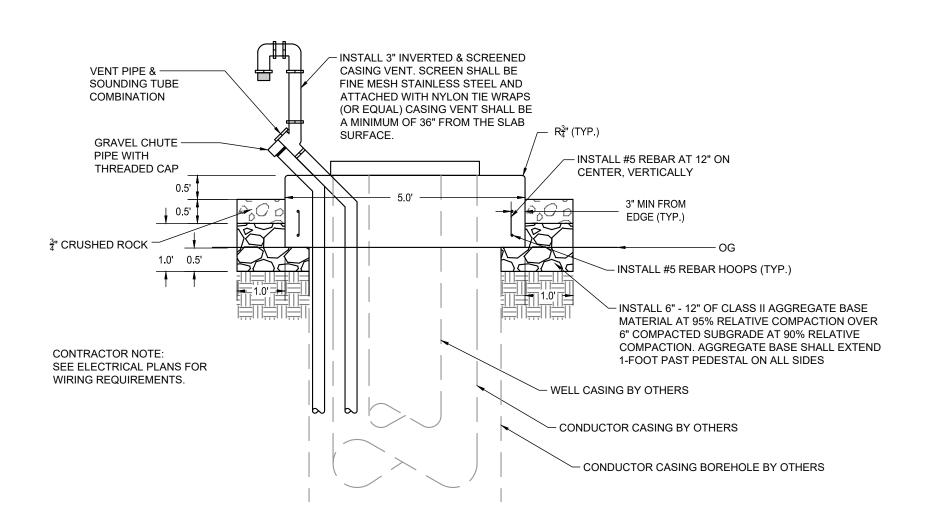


**DETAIL 1 - PIPE SUPPORT** 

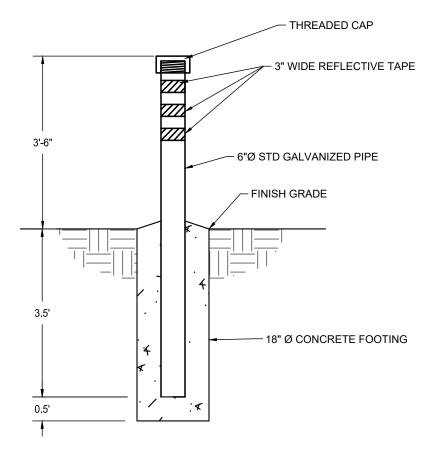
NOT TO SCALE

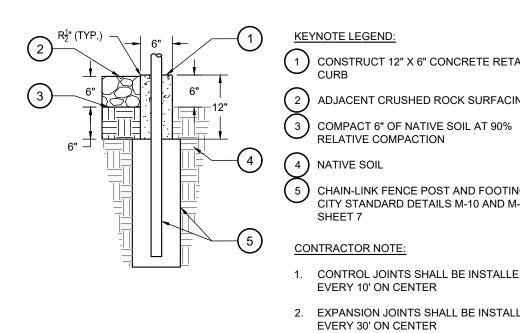


# DETAIL 2 - SAND SEPARATOR BASE NOT TO SCALE



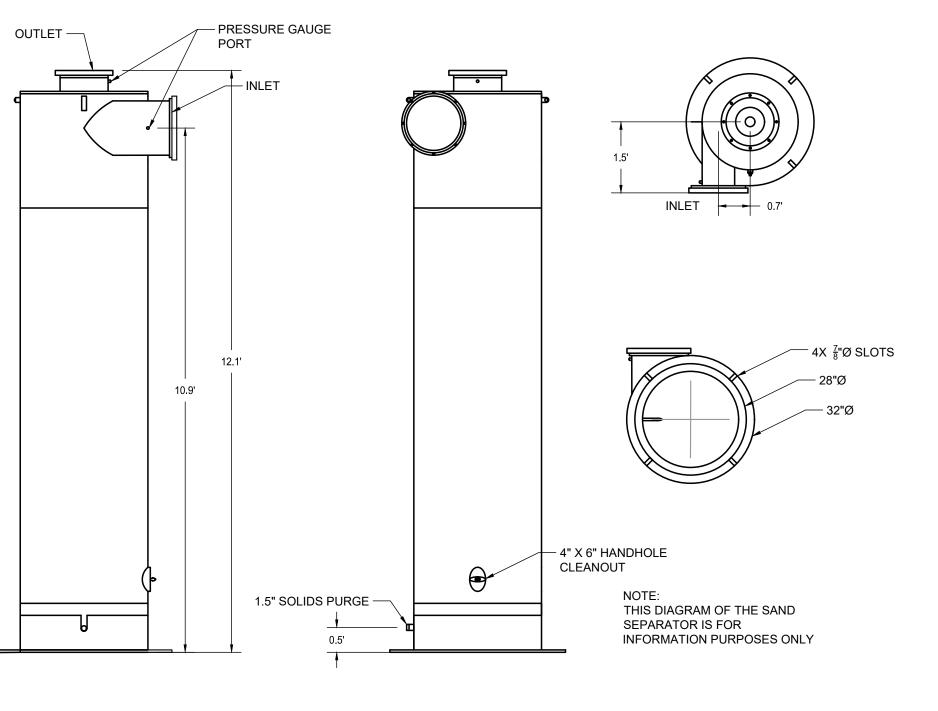
DETAIL 6 - PUMP PEDESTAL NOT TO SCALE





# DETAIL 3 - REMOVABLE POSTS NOT TO SCALE

DETAIL 4 - RETAINING CURB NOT TO SCALE



PRE LUBE TUBING BRACED TO -WELL PIPING

## **DETAIL 7 - SAND SEPARATOR** NOT TO SCALE

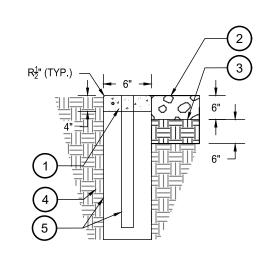
(1) CONSTRUCT 12" X 6" CONCRETE RETAINING

(2) ADJACENT CRUSHED ROCK SURFACING

5 CHAIN-LINK FENCE POST AND FOOTING PER CITY STANDARD DETAILS M-10 AND M-11 ON

1. CONTROL JOINTS SHALL BE INSTALLED

2. EXPANSION JOINTS SHALL BE INSTALLED



### KEYNOTE LEGEND:

1 CONSTRUCT 6" X 4" CONCRETE MOW STRIP WITH CONTINUOUS #4 REBAR, CENTERED VERTICALLY IN MOW STRIP

2 ADJACENT CRUSHED ROCK SURFACING 3 COMPACT 6" OF NATIVE SOIL AT 90% RELATIVE COMPACTION

4 NATIVE SOIL

5 CHAIN-LINK FENCE POST AND FOOTING PER CITY STANDARD DETAILS M-10 AND M-11 ON SHEET 7

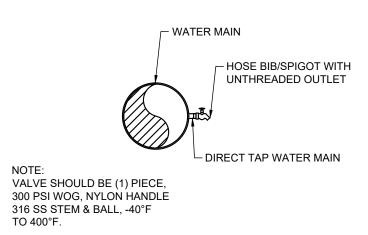
CONTRACTOR NOTE: 1. CONTROL JOINTS SHALL BE INSTALLED

EVERY 10' ON CENTER

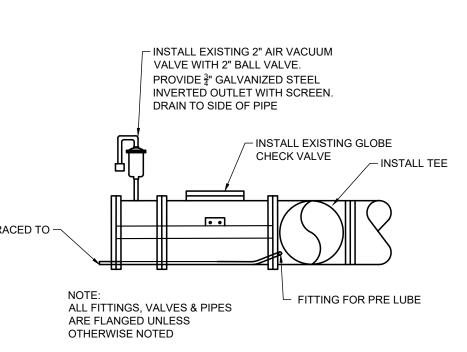
2. EXPANSION JOINTS SHALL BE INSTALLED EVERY 30' ON CENTER

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# DETAIL 5 - MOW STRIP NOT TO SCALE



# DETAIL 8 - TAP NOT TO SCALE



# DETAIL 9 - CONTROL VALVE DETAILS NOT TO SCALE

ENGINEERING PLANS FOR:	CORCORAN WELL 8C	WATER QUALITY IMPROVEMENTS	SHEET TITLE:		
-					
REVISIONS					
_	N				
ю, Г. Х	220_005	AL.	220_005_DETAILS.DWG	2/27/2023	
SCALE:	JOB NO:	QA/QC:	ii HL	DATE:	
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