

# CITY OF HUGHSON

## CALIFORNIA

# CONSTRUCTION PLANS

## FOR

### SEWER IMPROVEMENTS

### ON TULLY ROAD, SECOND STREET AND

### WHITMORE AVE

### WATER IMPROVEMENTS ON TULLY ROAD

### FY 2021-2022



#### ABBREVIATIONS:

AC	ASPHALT CONCRETE
ARHM	ASPHALT RUBBER HOT MIX
BNSF	BURLINGTON NORTHERN SANTA FE
CAB	CRUSHED AGGREGATE BASE
CL	CENTERLINE
DIP	DUCTILE IRON PIPE
EXIST/EX	EXISTING
FH	FIRE HYDRANT
GALV	GALVANIZED
INV	INVERT
LF	LINEAR FOOT
OG	ORIGINAL GROUND
OH	OVERHEAD
PCC	PORTLAND CEMENT CONCRETE
PP	POWER POLE
PROP	PROPOSED
R/W	RIGHT-OF-WAY
SF	SQUARE FOOT
SPPWC	STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION
STA	STATION
TID	TURLOCK IRRIGATION DISTRICT
VCP	VITRIFIED CLAY PIPE
VFA	VOLATILE FATTY ACIDS

#### HOLD HARMLESS INDEMNIFICATION CLAUSE:

THE CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT INCLUDING THE SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD THE CITY OF BELL AND THE PRIVATE ENGINEERS HARMLESS FOR ANY AND ALL LIABILITY; REAL OR ALLEGED, IN CONNECTIONS WITH PERFORMANCE OF WORK ON THIS PROJECT. OFF-SITE DISPOSAL OF FOOTING, UTILITIES, COLD MILLING, PAVING AND LANDSCAPING EXCAVATION MATERIAL IS THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE INCLUDED IN HIS BID. THE CONTRACTOR SHALL HOLD THE CITY AND ENGINEER HARMLESS AS A RESULT OF ANY CLAIMS ARISING FORM ACTIONS EN ROUTE TO OR AWAY FROM THE SITE.

#### PUBLIC UTILITIES CONTACTS

<b>MAPPING:</b> CHARTER COMMUNICATIONS DOUG KYLER DL-social-charter-engineering@charter.com (775) 350-1292	<b>MARKING CONTACT</b> TURLOCK IRRIGATION DISTRICT PANG EN pnen@tid.org (209) 883-8437	<b>ENGINEERING:</b> CVIN LLC KYLE ANDERSON Randerson@cvin.com (559) 554-9115
<b>MAPPING:</b> STANISLAUS COUNTY JUAN MADONADO maldonado@stancounty.com (209) 499-3989	<b>DATABASE:</b> COMCAST NORTHERN CALIFORNIA CAL DESIGN Cal_Design@cable.comcast.com (925) 424-0278	<b>ENGINEERING:</b> ORANGE TRANSFER STATION 2050 N GLASSSELL ST, ORANGE, CA 92865 (714) 558-7761
<b>MAPPING:</b> PGE DISTR. MODESTO DELINEATIONMAPREQUESTS@PGE.COM (408) 940-2197	<b>ENGINEERING:</b> STANISLAUS COUNTY ERIC MOORE mooree@stancounty.com (209) 499-3663	
<b>MAPPING:</b> LEVEL 3 COMMUNICATION JIM RICKARD jim.rickard@centurylink.com (918) 547-9327	<b>ENGINEERING:</b> CITY OF HUGHSON PUBLIC WORKS dchase@hughson.org (562) 883-4054	

#### BASIS OF BEARING

HORIZONTAL DATUM IS NAD83 (2011) EPOCH 2010.0000. COORDINATES ARE CALIFORNIA STATE PLANE COORDINATE SYSTEM, ZONE 3 SCALED TO GROUND ABOUT CONTROL POINT CP1 (PK NAIL IN ASPHALT). TO OBTAIN GRID DISTANCES SCALE COORDINATES 0.99993091 ABOUT CONTROL POINT CP1 BASED ON THE SURVEY BY WILLDAN ON OCTOBER 9, 2020.

#### BENCHMARK

VERTICAL DATUM IS NAVD88 BASED ON NGS OPUS SOLUTION FOR THE PROJECT TAKEN FROM CONTROL POINT CP1, ELEVATION=120.03'

SHEET NO.	DESCRIPTION
SHEET NO. 1	TITLE SHEET
SHEET NO. 2	GENERAL NOTES
SHEET NO. 3	SEWER IMPROVEMENTS ON TULLY ROAD TULLY ROAD FROM STA 18+00 TO 23+50
SHEET NO. 4	SEWER IMPROVEMENTS ON TULLY ROAD TULLY ROAD FROM STA 23+50 TO 34+50
SHEET NO. 5	SEWER IMPROVEMENTS ON TULLY ROAD TULLY ROAD FROM STA 34+50 TO 45+50
SHEET NO. 6	SEWER IMPROVEMENTS ON TULLY ROAD TULLY ROAD FROM STA 45+50 TO 56+50
SHEET NO. 7	SEWER IMPROVEMENTS ON TULLY ROAD TULLY ROAD FROM STA 56+50 TO HATCH RD
SHEET NO. 8	SEWER IMPROVEMENTS ON SECOND STREET SECOND STREET FROM HUGHSON AVE TO LOCUST ST
SHEET NO. 9	WATER IMPROVEMENTS ON TULLY ROAD 18+00 TO 35+00
SHEET NO. 10	WATER IMPROVEMENTS ON TULLY ROAD 35+50 TO 62+00
SHEET NO. 11	STANDARD DETAILS



Know what's below.  
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NO.	REVISION	BY	DATE	 2401 East Katella Ave, Suite 300, Anaheim, California 92806 714/978-8200 fax 714/978-8299	DESIGNED: DR. SM		CITY OF HUGHSON PUBLIC WORKS DEPARTMENT 7018 PINE STREET HUGHSON, CALIFORNIA 95326 209.883.4054		SEWER AND WATER IMPROVEMENTS ON TULLY ROAD, SECOND STREET AND WHITMORE AVE TITLE SHEET	DATE: MARCH 10, 2022	SHEET: <b>01</b> OF <b>11</b>
					DRAWN: DD. SM					SCALE:	
					CHECKED: TP					PROJECT No.:	

FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES

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TULLY ROAD SEWER LINE

BID SET 10/03/2022

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NPDES NOTES:

1. ERODED SEDIMENTS AND OTHER POLLUTANTS MUST BE RETAINED ON SITE AND MAY OR MAY NOT BE TRANSPORTED FROM THE SITE VIA SHEET FLOW, SWALES, AREA DRAINS, NATURAL DRAINAGE COURSES, OR WIND.
2. STOCKPILES OF EARTH AND OTHER CONSTRUCTION RELATED MATERIALS MUST BE PROTECTED FORM BEING TRANSPORTED FROM THE SITE BY THE FORCES OF WIND OR WATER.
3. FUELS, OILS, SOLVENTS, AND OTHER TOXIC MATERIALS SHALL BE STORED IN ACCORDANCE WITH THEIR LISTING AND ARE NOT TO CONTAMINATE THE SOIL AND SURFACE WATERS. ALL APPROVED STORAGE CONTAINERS ARE TO BE PROTECTED FROM THE WEATHER.
4. SPILLS MUST BE CLEANED UP IMMEDIATELY AND DISPOSED OF IN A PROPER MANNER. SPILLS MAY NOT BE WASHED INTO THE DRAINAGE SYSTEM. EXCESS OR WASTE CONCRETE MAY NOT BE WASHED INTO THE PUBLIC WAY OR ANY OTHER DRAINAGE SYSTEM.
5. PROVISIONS SHALL BE MADE TO RETAIN CONCRETE WASTES ON SITE UNTIL THEY CAN BE DISPOSED OF AS SOLID WASTE. TRASH AND CONSTRUCTION RELATED SOLID WASTES MUST BE DEPOSITED INTO A COVERED RECEPTACLE TO PREVENT CONTAMINATION OF RAINWATER AND DISPERSAL BY WIND. SEDIMENTS AND OTHER MATERIALS MAY NOT BE TRACKED FROM THE SITE BY VEHICLE TRAFFIC.
6. THE CONSTRUCTION ENTRANCE ROADWAYS MUST BE STABILIZED SO AS TO INHIBIT SEDIMENTS FROM BEING DEPOSITED INTO THE PUBLIC WAY. ACCIDENTAL DEPOSITIONS MUST BE SWEEP UP IMMEDIATELY AND MAY NOT BE WASHED DOWN BY RAIN OR OTHER MEANS. ANY SLOPES WITH DISTURBED SOILS OR DENUDED OF VEGETATION MUST BE STABILIZED AS TO INHIBIT EROSION BY WIND AND WATER.


UTILITY AND STRUCTURE NOTICE TO CONTRACTOR:

THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITIES OR STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. THESE LOCATIONS ARE APPROXIMATE AND SHALL BE CONFIRMED IN THE FIELD BY THE CONTRACTOR, SO THAT ANY NECESSARY ADJUSTMENT CAN BE MADE IN ALIGNMENT AND/OR GRADE OF THE PROPOSED IMPROVEMENT. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT ANY UTILITY LINES SHOWN AND ANY OTHER LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS. THE CITY AND ENGINEER ASSUME NO LIABILITY AS TO THE EXACT LOCATION OF SAID LINES, UTILITIES, STRUCTURES, AND IRRIGATION LINES WHOSE LOCATION ARE SHOWN OR NOT SHOWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY AND IRRIGATION COMPANIES PRIOR TO WORK OR EXCAVATION TO DETERMINE THE EXACT LOCATION OF ALL UTILITIES, STRUCTURES, AND LINES AFFECTING THIS WORK, WHETHER OR NOT SHOWN HERON, AND FOR ANY DAMAGE TO PROTECTION OF THESE LINES.

GENERAL SEWER AND WATER NOTES:

1. ALL MATERIALS AND METHODS ARE SUBJECT TO THE APPROVAL OF THE CITY ENGINEER.
2. CONSTRUCTION PERMITS SHALL BE OBTAINED FROM THE CITY, PRIOR TO THE START OF ANY WORK. INSPECTION COORDINATION SHALL BE REQUESTED AT LEAST TWO WORKING DAYS PRIOR TO THE START OF ANY WORK IN PUBLIC RIGHT-OF-WAY WITHIN THE CITY LIMITS.
3. THE CONTRACTOR SHALL CONFORM TO ALL TRAFFIC CONTROL POLICIES, METHODS AND PROCEDURES DESCRIBED IN THE STATE OF CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST NON-METRIC EDITION UNLESS OTHERWISE DIRECTED BY THE CITY ENGINEER.
4. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN BARRICADES, DELINEATORS OR OTHER TRAFFIC CONTROL DEVICES AT ALL TIMES.
5. THE CONTRACTOR SHALL OBTAIN A PERMIT TO PERFORM EXCAVATION OR TRENCH WORK FOR TRENCHES 5 FEET OR GREATER IN DEPTH FROM THE CALIFORNIA STATE DIVISION OF INDUSTRIAL SAFETY AND PROVIDE COPY TO THE CITY.
6. THE WALLS AND FACES OF ALL EXCAVATIONS GREATER THAN FIVE (5) FEET IN DEPTH SHALL BEGUARDED BY SHORING, SLOPING OF THE GROUND OR OTHER APPROVED MEANS PURSUANT TO THE REQUIREMENTS OF THE DIVISION OF INDUSTRIAL SAFETY OF THE STATE OF CALIFORNIA. TRENCHES LESS THAN FIVE (5) FEET SHALL ALSO BE GUARDED WHEN THE POTENTIAL EXISTS FOR GROUND MOVEMENT. NO MATERIAL OR EQUIPMENT SHALL BE STORED IN THE PUBLIC RIGHT OF WAY WITHOUT OBTAINING SEPARATE PERMIT FOR THAT PURPOSE.
8. THE LOCATIONS OF UTILITIES SHOWN HAVE BEEN DETERMINED FROM AVAILABLE INFORMATION, HOWEVER, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE, IN THE FIELD, THE TRUE LOCATION AND ELEVATION OF ANY EXISTING UTILITIES, AND TO EXERCISE PROPER PRECAUTION TO AVOID DAMAGE THERETO. THE CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT AT 1-800-227-2600 TWO WORKING DAYS BEFORE EXCAVATION.
9. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION WITH ALL UTILITY COMPANIES INCLUDING, BUT NOT LIMITED TO, GAS, TELEPHONE, ELECTRIC, CABLE TELEVISION, LANDSCAPE, IRRIGATION, DOMESTIC WATER, RECLAIMED WATER, SEWER, STORM DRAIN, FLOOD CONTROL AND CALTRANS. ALL UTILITY COMPANIES SHALL BE GIVEN TWO WORKING DAYS NOTICE PRIOR TO WORK AROUND THEIR FACILITIES.
10. THE CONTRACTOR SHALL NOT OPERATE ANY FIRE HYDRANT OR WATER MAIN VALVES WITHOUT APPROPRIATE AGENCY AUTHORIZATION. CONTRACTOR SHALL COORDINATE WITH THE APPROPRIATE WATER COMPANY FOR VALVE OPERATION AND WATER REQUIREMENTS.
11. STATIONING REFERS TO THE CENTERLINE OF STREET EXCEPT WHERE OTHERWISE NOTED.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING CONSTRUCTION SURVEY OR CONSTRUCTION CONTROL STAKING TO ENABLE THE CITY CONSTRUCTION INSPECTOR TO CHECK AND VERIFY WITH THE PLAN GRADES.
13. THE CONTRACTOR SHALL NOT DISTURB EXISTING SURVEY MONUMENTS, MONUMENT TIES OR BENCH MARKS WITHOUT PRIOR NOTIFICATION TO THE CITY ENGINEER.
14. REMOVAL AND REPLACEMENT OF EXISTING SURVEY CONTROL, INCLUDING SURVEY MONUMENTS, MONUMENT TIES AND BENCH MARKS, SHALL BE DONE BY A REGISTERED CIVIL ENGINEER OR LICENSED LAND SURVEYOR. SURVEY MONUMENTS THAT WILL BE DESTROYED AS A RESULT OF THIS CONSTRUCTION SHALL BE REPLACED. THE CONTRACTOR SHALL NOTIFY THE ENGINEER ONE WEEK PRIOR TO CONSTRUCTION SO THAT TIES TO MONUMENTS CAN BE ESTABLISHED FOR LATER REPLACEMENT OF THE MONUMENT.
15. THE CONTRACTOR SHALL MAINTAIN STREET ACCESS FOR LOCAL RESIDENTS AND BUSINESSES AT ALL TIMES. A MINIMUM 10 FOOT LANE SHALL BE MAINTAINED AT ALL TIMES IN THE CONSTRUCTION AREA FOR RESIDENTS AND EMERGENCY VEHICLES.
16. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN AN EFFECTIVE MEANS OF DUST CONTROL, INCLUDING ADEQUATE WATERING, AT ALL TIMES.
17. THE CONTRACTOR SHALL NOT CAUSE ANY EXCAVATED MATERIAL, MUD, SILT OR DEBRIS TO BE DEPOSITED ONTO PUBLIC OR PRIVATE PROPERTY ADJACENT TO THE RIGHT-OF-WAY DURING CONSTRUCTION WITHOUT PRIOR WRITTEN APPROVAL.
18. NO EXCAVATION BACKFILL SHALL TAKE PLACE WITHOUT PRIOR APPROVAL OF THE CITY CONSTRUCTION INSPECTOR.
19. A GEOTECHNICAL ENGINEER SHALL CERTIFY ALL BACKFILL COMPACTION. FAILURE TO OBTAIN THE REQUIRED DENSITY SHALL REQUIRE RE-WORKING OF THAT PORTION OF THE WORK UNTIL THE SPECIFIED DENSITY IS OBTAINED.
20. CARE SHOULD BE TAKEN TO PREVENT GRADES, DITCHES, AND SWALES FROM UNDERMINING STREET IMPROVEMENTS. UPON INSPECTION OF THE SITE, THE CITY ENGINEER MAY REQUIRE TEMPORARY NON-ERODEABLE SWALES ENTERING OR LEAVING IMPROVEMENTS.
21. ALL EXPOSED CONCRETE SURFACES SHALL CONFORM IN GRADE, COLOR AND FINISH TO MATCH EXISTING CONCRETE.
22. SANITARY SEWER PIPE LINES SHALL BE CONSTRUCTED OF PVC SDR-35 AND SHALL CONFORM TO PROVISIONS AS DESCRIBED IN THE CONTRACT SPECIFICATIONS.
23. NO OPEN TRENCH SHALL BE ALLOWED AT THE END OF THE DAY WITHOUT PRIOR APPROVAL OF THE CITY ENGINEER.
24. FOR VCP ONLY SEWER, SHORT VCP STUBS WITH FLEXIBLE COMPRESSION JOINTS SHALL BE USED AT MANHOLE WALLS TO ALLOW FOR MINOR DEFLECTIONS IN ALIGNMENT.
25. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXPOSE EXISTING FACILITIES, AND VERIFY ELEVATION AND LOCATION OF CONNECTIONS. CITY APPROVAL OF CONNECTIONS TO EXISTING FACILITIES DOES NOT IMPLY CORRECTNESS OF ELEVATIONS OR LOCATIONS SHOWN ON THE PLANS.
26. IF EXISTING UTILITIES OR ANY OTHER FACILITIES CONFLICT WITH THE PROPOSED IMPROVEMENTS, THE CONTRACTOR SHALL NOTIFY THE CITY ENGINEER AND ALL AFFECTED AGENCIES IMMEDIATELY.
27. NO CONCRETE SHALL BE PLACED UNTIL THE FORMS AND REINFORCING STEEL HAVE BEEN PLACED, INSPECTED AND APPROVED.
28. ALL UNDERGROUND UTILITIES SHALL BE INSTALLED, TESTED AND APPROVED PRIOR TO PAVING OF STREETS.
29. ALL MANHOLES, CLEANOUTS, FRAMES, COVERS AND VALVE BOXES SHALL BE RAISED TO FINISHED GRADE BY THE PAVING CONTRACTOR UPON COMPLETION OF PAVING.
30. UPON COMPLETION OF CONSTRUCTION, CONTRACTOR SHALL RESTORE ALL SIGNING, STRIPING, BARRICADES, AND OTHER TRAFFIC CONTROL DEVICES TO THE SATISFACTION OF THE CITY ENGINEER.
31. AS-BUILT DRAWINGS SHALL BE PROVIDED BY THE CONTRACTOR TO THE ENGINEER OF RECORD, WHO SHALL PROVIDE RECORD DRAWINGS TO THE CITY ENGINEER.
32. CONTRACTOR SHALL VERIFY LOCATIONS OF ALL EXISTING SEWER LATERALS, SHOWN AND NOT SHOWN ON THE PLANS, AND RECONNECT TO MAINLINE PER CITY OF HUGHSON STD DETAIL 6-SS.5.
33. SEWER MAINS SHALL BE INSTALLED AT LEAST 10- FEET HORIZONTALLY FROM, AND A MINIMUM OF 1-FOOT BELOW WATER LINES WHEN PARALLEL TO THE WATER LINE AND A MINIMUM OF 1-FOOT BELOW THE WATER LINE WHEN CROSSING THE WATER LINE.
34. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING WATER SERVICE AND ASSEMBLIES TO THE NEW JOIN (EXISTING 8" TRANSITE WATER) THE CONTRACTOR IS ALSO RESPONSIBLE FOR RECONNECTIONS OF THE PRIVATE SIDE WATER SERVICE IF NEEDED.
35. THE CONTRACTOR TO VERIFY ALL WATER SERVICE LATERALS ON THE WEST SIDE OF TULLY ROAD CURRENTLY JOIN THE EXISTING 8" TRANSITE WATER; IF NOT THESE SERVICE LINES WILL NEED TO BE REMOVED AND REPLACED PER CONSTRUCTION NOTES 1 AND 2 ON THE WATER IMPROVEMMENT PLANS.
36. WATER SERVICE LATERALS SHALL BE CONSTRUCTED PER CITY STANDARD 5-W.9. NO SERVICE CONNECTION SHALL BE CLOSER THAN 24" TO PIPE COLLAR. APPROVED TAPING SADDLE SHALL BE USED.
37. CONTRACTOR SHALL VERIFY LOCATIONS OF ALL EXISTING WATER SERVICE LATERALS, SHOWN AND NOT SHOWN ON THE PLANS, AND RECONNECT PER PLANS AND CITY STANDARDS.
38. CALIFORNIA CODE OF REGULATIONS AND OSHA STANDARDS SHALL BE FOLLOWED FOR CONNECTING NEW WATER SERVICE TO EXISTING TRANSITE/ASBESTOS PIPE.

NO.	REVISION	BY	DATE



2401 East Katella Ave., Suite 300, Anaheim, California 92806  
714/978-8200 fax 714/978-8299

DESIGNED: DR, SM
DRAWN: DD, SM
CHECKED: TP



CITY OF HUGHSON  
PUBLIC WORKS DEPARTMENT  
7018 PINE STREET  
HUGHSON, CALIFORNIA 95326  
209.883.4054



SEWER AND WATER IMPROVEMENTS  
ON TULLY ROAD, SECOND STREET  
AND WHITMORE AVE  
GENERAL NOTES

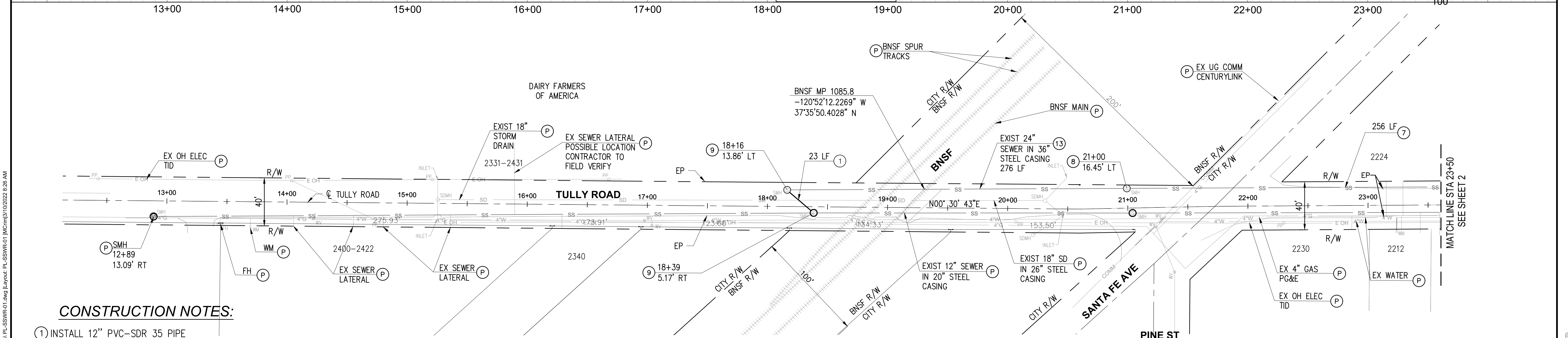
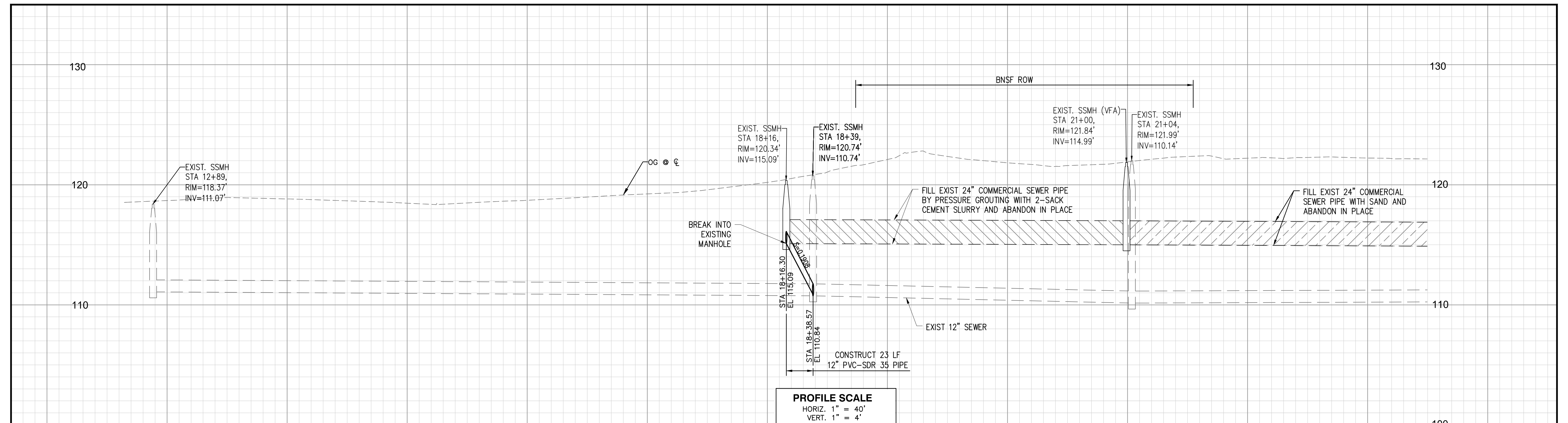
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MARCH 10, 2022

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**CONSTRUCTION NOTES:**

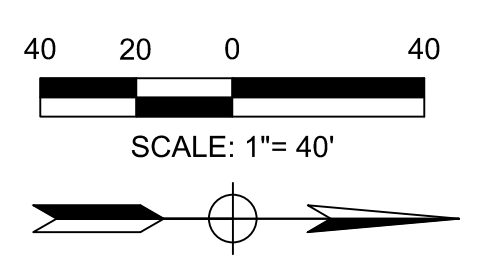
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- ⑦ FILL EXIST 24" PIPE WITH SAND AND ABANDON IN PLACE
- ⑧ FILL EXIST MANHOLE WITH SAND AND ABANDON IN PLACE. SEAL ABANDONED INLET/OUTLET WITH BRICK AND MORTAR
- ⑨ BREAK INTO EXISTING MANHOLE AND MODIFY BASE PER SPPWC STD PLAN 208-3
- ⑬ FILL EXIST 24" PIPE BY PRESSURE GROUTING WITH 2-SACK CEMENT SLURRY AND ABANDON IN PLACE PER BNSF UTILITY ACCOMMODATION POLICY
- Ⓟ PROTECT IN PLACE (ITEM AS NOTED)

**LEGEND:**

- ⑦ FILL EXISTING PIPE WITH SAND AND ABANDON IN PLACE
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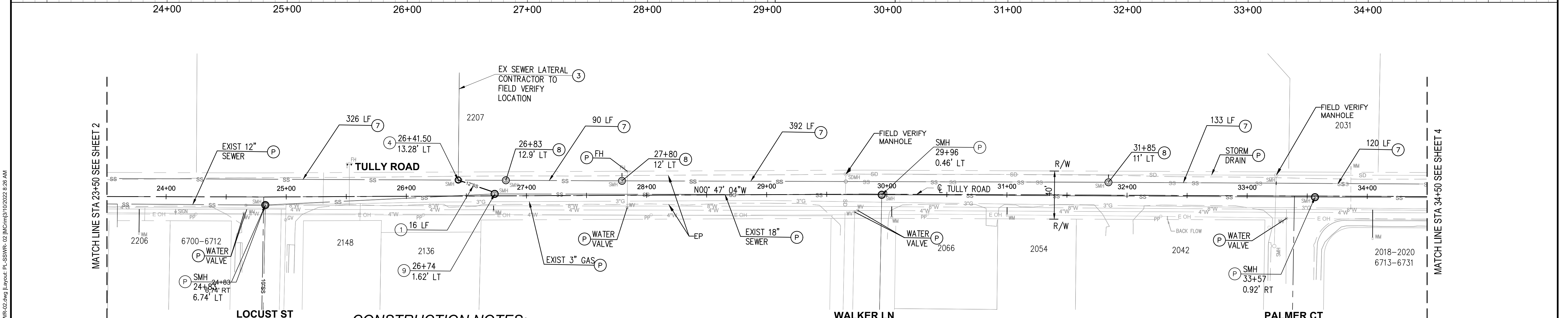
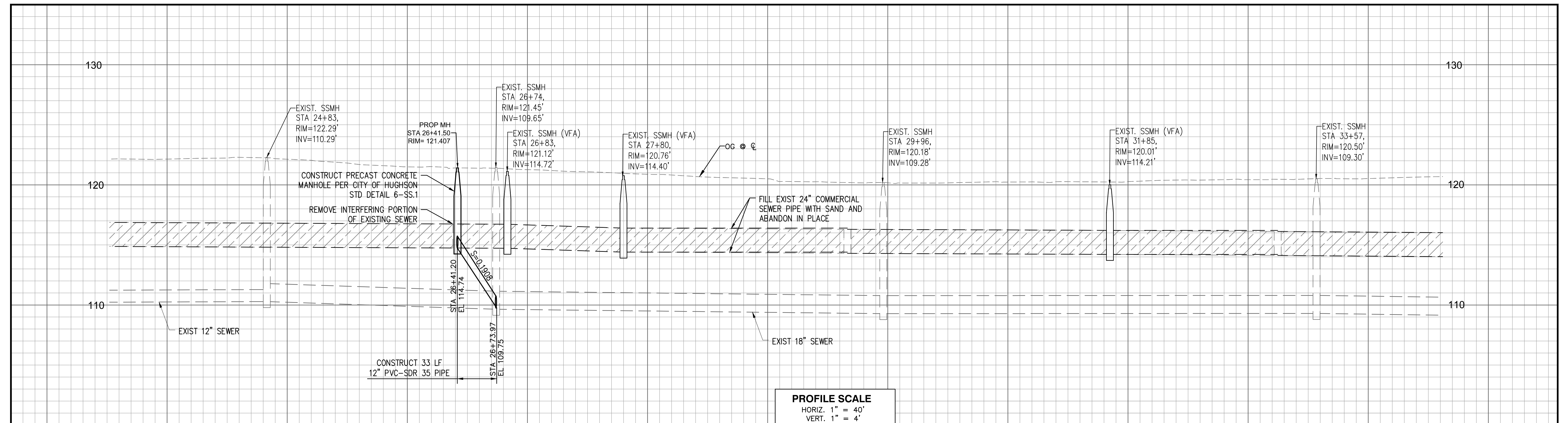
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BID SET 10/03/2022



**CONSTRUCTION NOTES:**

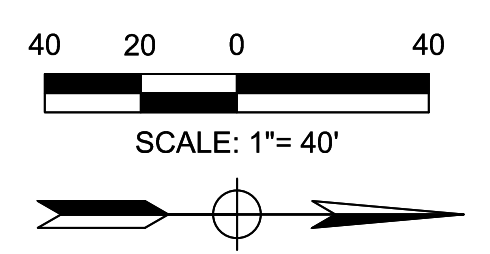
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- 4 CONSTRUCT PRECAST CONCRETE MANHOLE PER CITY OF HUGHSON STD DETAIL 6-SS.1
- 7 FILL EXIST 24" PIPE WITH SAND AND ABANDON IN PLACE
- 8 FILL EXIST MANHOLE WITH SAND AND ABANDON IN PLACE. SEAL ABANDONED INLET/OUTLET WITH BRICK AND MORTAR
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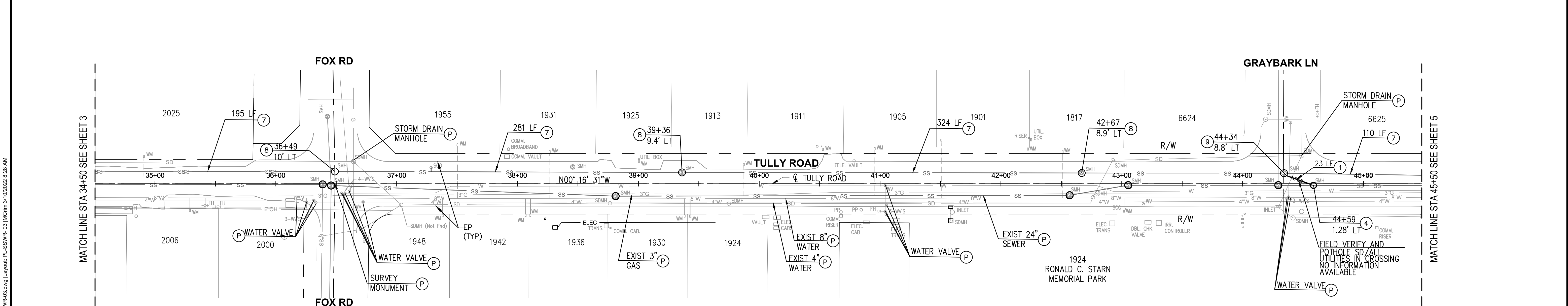
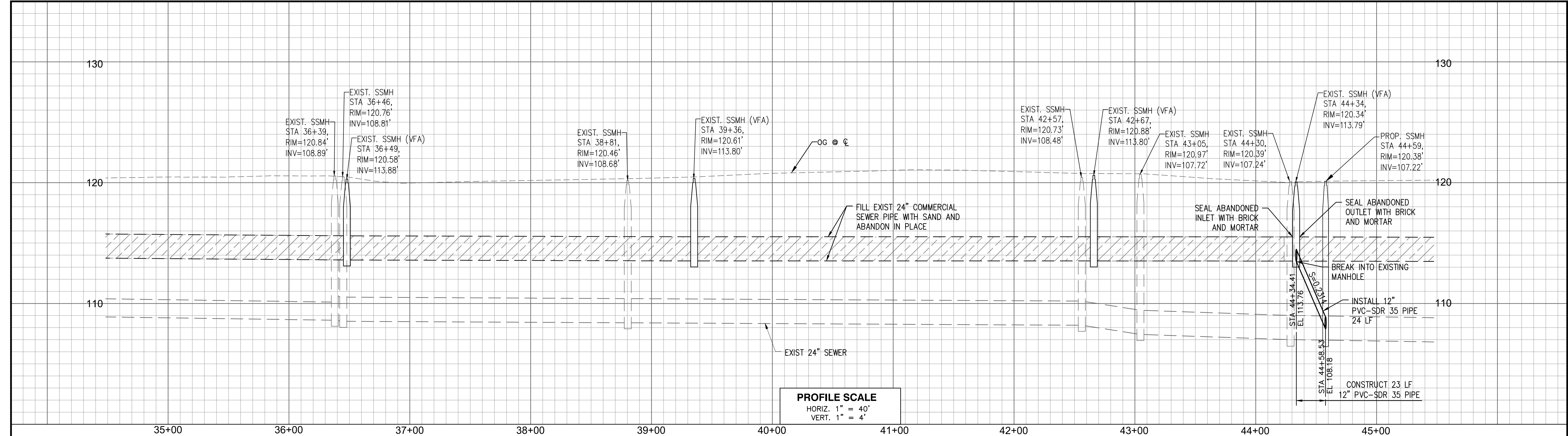
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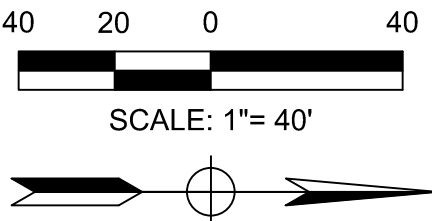
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- (P) PROTECT IN PLACE (ITEM AS NOTED)

**NOTES:**

- 1. SEWER LATERAL CONNECTION LOCATIONS SHOWN ON PLANS ARE APPROXIMATE. EXACT LOCATION OF SEWER LATERALS ARE TO BE CONFIRMED BY THE CONTRACTOR.
- 2. PROPERTY LINES SHOWN ARE FOR GRAPHIC DISPLAY ONLY.
- 2. THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITIES OR STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED BY AVAILABLE RECORDS. THE CONTRACTOR SHALL TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN AND ANY OTHER UTILITIES NOT ON RECORD OR SHOWN ON THESE PLANS.

**LEGEND:**

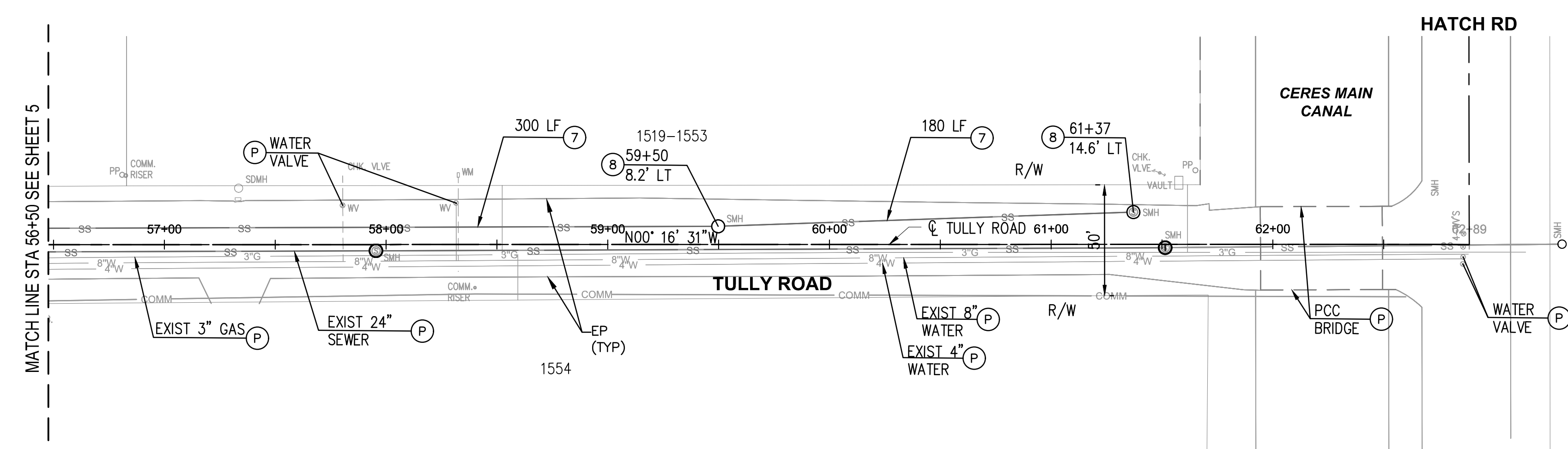
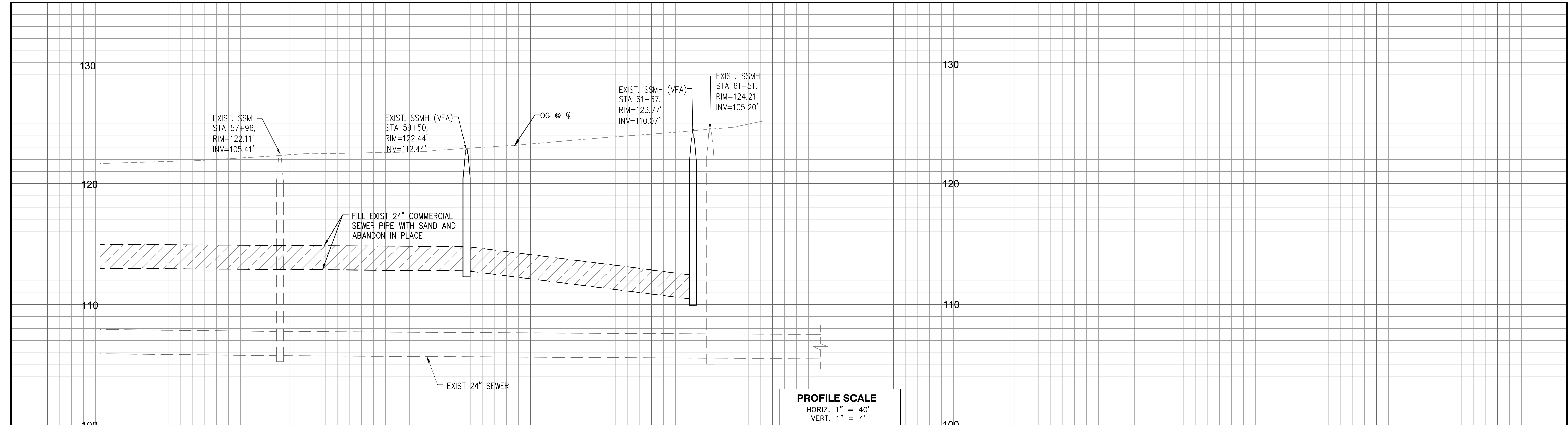
- ⑦ FILL EXISTING PIPE WITH SAND AND ABANDON IN PLACE



<table><tr><td>NO.</td><td>REVISION</td><td>BY</td><td>DATE</td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr></table>				NO.	REVISION	BY	DATE													<p>2401 East Katella Ave., Suite 300, Anaheim, California 92806 714/978-8200 fax 714/978-8299</p>		<p>DESIGNED: DR, SM</p> <p>DRAWN: DD, SM</p> <p>CHECKED: TP</p>				<p>CITY OF HUGHSON PUBLIC WORKS DEPARTMENT 7018 PINE STREET HUGHSON, CALIFORNIA 95326 209.883.4054</p>				<p><b>TULLY ROAD SEWER LINE IMPROVEMENTS PLAN AND PROFILE 34+50 TO 45+50</b></p>		<p>DATE: MARCH 10, 2022</p> <p>SCALE: HORIZ: 1"=40' VERT: 1"=4'</p> <p>PROJECT No.:</p>		<p>SHEET: <b>05</b> OF <b>11</b></p>	
NO.	REVISION	BY	DATE																																



\\na-vol-1451\OfficeStorage\Anaheim\Engineering\110545-Hughson\Tully Rd Sewer\900-PS&E\901-Plans\PL-SSWR-05.dwg Layout: PL-SSWR-05.dwg 3/10/2022 8:30 AM



**CONSTRUCTION NOTES:**

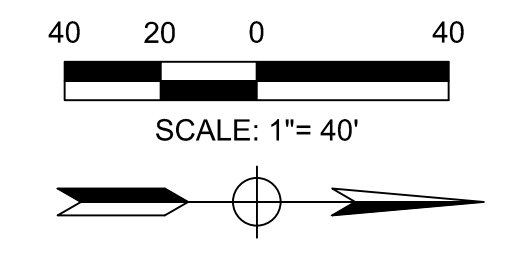
- ⑦ FILL EXIST 24" PIPE WITH SAND AND ABANDON IN PLACE
- ⑧ FILL EXIST MANHOLE WITH SAND AND ABANDON IN PLACE. SEAL ABANDONED INLET/OUTLET WITH BRICK AND MORTAR
- Ⓟ PROTECT IN PLACE (ITEM AS NOTED)

**LEGEND:**

- ⑦  FILL EXISTING PIPE WITH SAND AND ABANDON IN PLACE

**NOTES:**

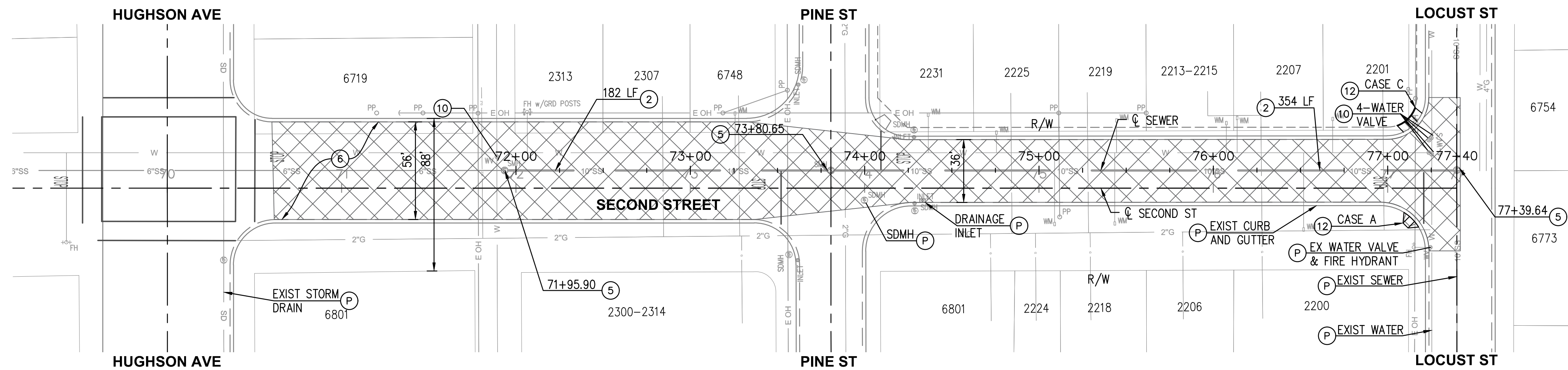
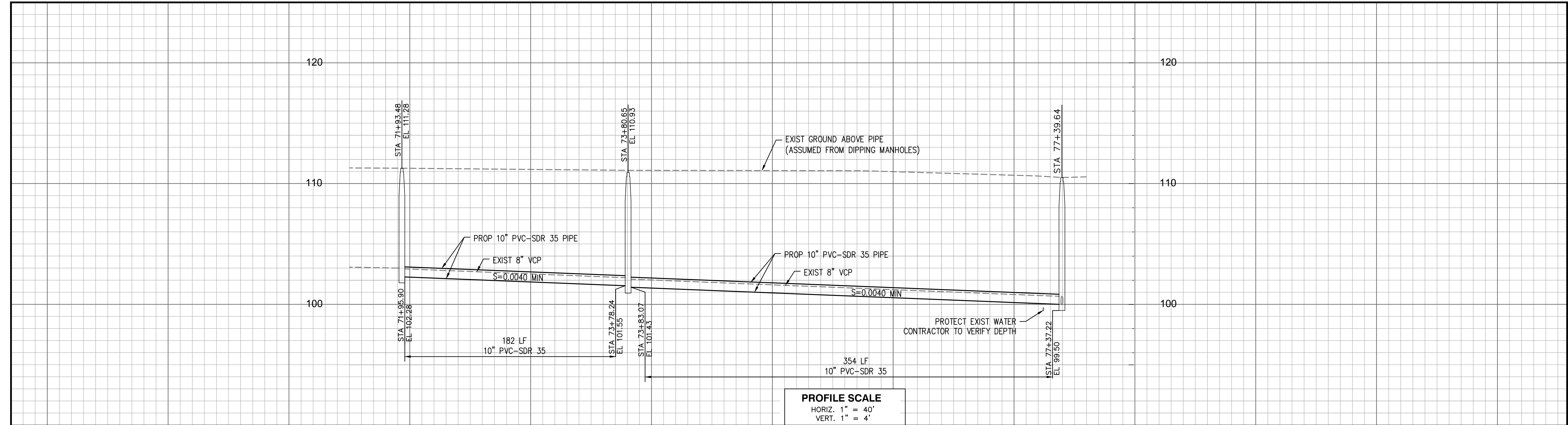
- SEWER LATERAL CONNECTION LOCATIONS SHOWN ON PLANS ARE APPROXIMATE. EXACT LOCATION OF SEWER LATERALS ARE TO BE CONFIRMED BY THE CONTRACTOR.
- PROPERTY LINES SHOWN ARE FOR GRAPHIC DISPLAY ONLY.
- THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITIES OR STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED BY AVAILABLE RECORDS. THE CONTRACTOR SHALL TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN AND ANY OTHER UTILITIES NOT ON RECORD OR SHOWN ON THESE PLANS.



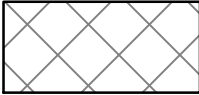
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NO.	REVISION	BY	DATE																																			
DESIGNED: DR, SM																																						
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DATE: MARCH 10, 2022	SHEET: <div>07 OF 11</div>																																					
SCALE: HORIZ: 1"=40' VERT: 1"=4'																																						
PROJECT No.:																																						

BID SET 10/03/2022

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**LEGEND:**

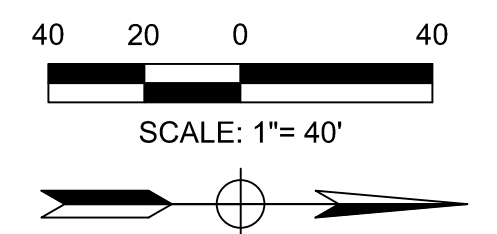
- ⑥  COLD MILL EXISTING PAVEMENT 1.5" UNIFORM DEPTH AND CONSTRUCT 1.5" AC OVERLAY

**CONSTRUCTION NOTES:**

- ② INSTALL 10" PVC-SDR 35 PIPE (PIPE BURSTING METHOD)
- ⑤ MODIFY MANHOLE BASE
- ⑥ COLD MILL EXISTING PAVEMENT 1.5" UNIFORM DEPTH AND CONSTRUCT 1.5" AC OVERLAY
- ⑩ ADJUST WATER VALVE TO GRADE
- ⑫ REMOVE AND CONSTRUCT CURB RAMP PER CALTRANS STD PLAN A88A, CASE PER PLAN
- Ⓟ PROTECT IN PLACE (ITEM AS NOTED)

**NOTE:**

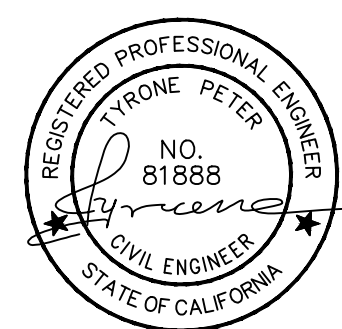
1. ELEVATION BENCHMARK ON THIS SHEET IS ASSUMED. CONTRACTOR SHALL VERIFY EXISTING INVERT ELEVATIONS, PIPE SLOPES, AND COVER ABOVE PIPES PRIOR TO COMMENCING PIPE BURSTING OPERATIONS.
2. RE-INSTALL STRIPING AND MARKINGS IN-KIND.
3. CONTRACTOR SHALL VERIFY LOCATIONS OF ALL EXISTING SEWER LATERALS, SHOWN AND NOT SHOWN ON THE PLANS, AND RECONNECT TO MAINLINE PER CITY OF HUGHSON STD DETAIL 6-SS.5.



NO.	REVISION	BY	DATE



DESIGNED: DR, SM  
DRAWN: DD, SM  
CHECKED: TP



CITY OF HUGHSON  
PUBLIC WORKS DEPARTMENT  
7018 PINE STREET  
HUGHSON, CALIFORNIA 95326  
209.883.4054

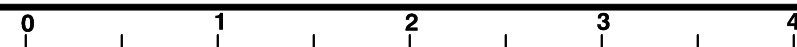


**SECOND STREET SEWER LINE IMPROVEMENTS  
PLAN AND PROFILE  
SECOND STREET  
FROM HUGHSON AVE TO LOCUST STREET**

DATE:  
MARCH 10, 2022  
SCALE:  
HORIZ: 1"=40'  
VERT: 1"=8'  
PROJECT No.:

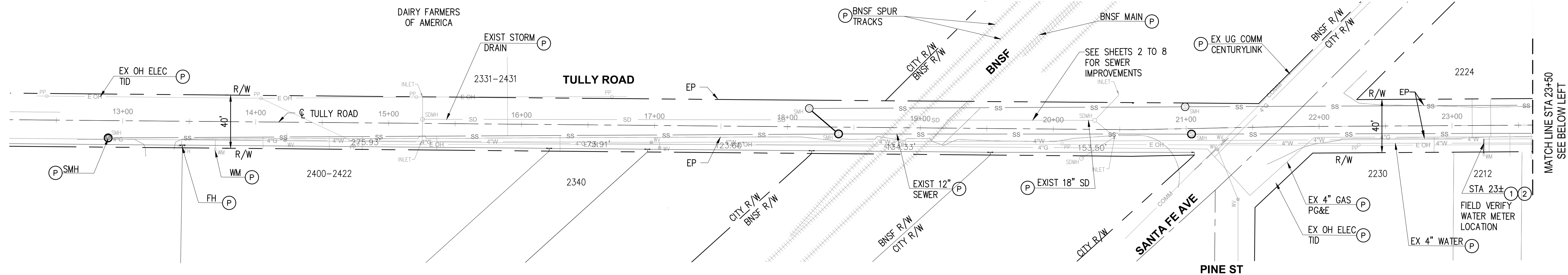
SHEET:  
**08**  
OF  
**11**

FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES

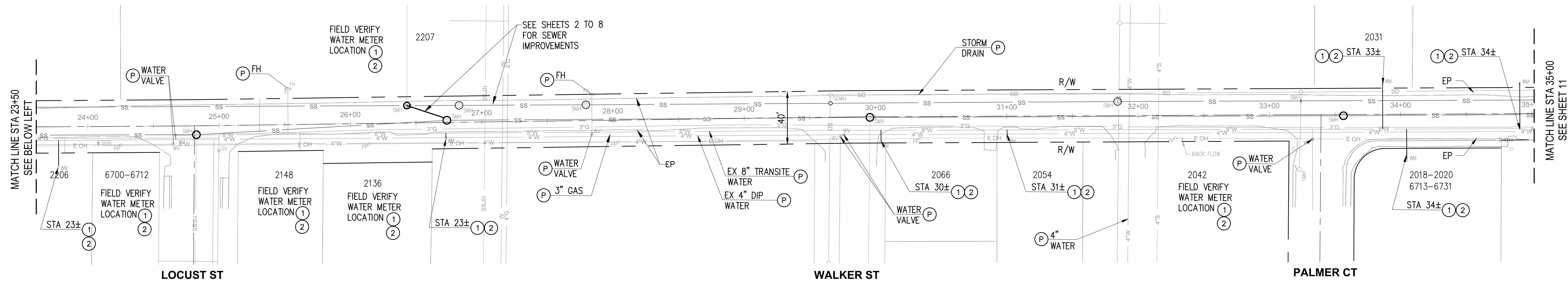


BID SET 10/03/2022

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NOTE: WATER SERVICES ON WEST SIDE OF TULLY ROAD;  
CONTRACTOR TO VERIFY WHICH WATER LINE CONNECTED TO

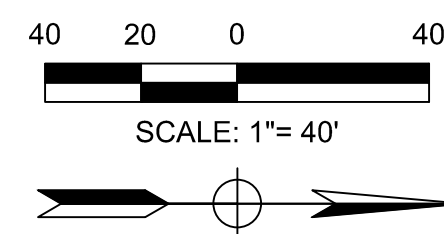


**CONSTRUCTION NOTES:**

- 1 CONSTRUCT NEW 1" WATER SERVICE LATERAL FROM EXISTING WATER METER TO EXISTING 8" TRANSITE WATER PER CITY STANDARD DETAIL 5-W.9. CONTRACTOR TO PROVIDE LOCATION AND DEPTH OF EXISTING 8" WATER AND PROVIDE LENGTH OF NEW WATER SERVICE CONNECTION.
- 2 REMOVE EXISTING WATER SERVICE LATERAL FROM EXISTING WATER METER TO EXISTING 4" DIP WATER. CONTRACTOR TO PROVIDE EXISTING WATER SERVICE LOCATION AND DEPTH AT CONNECTION AND LENGTH OF EXISTING WATER SERVICE TO BE REMOVED.

**NOTES:**

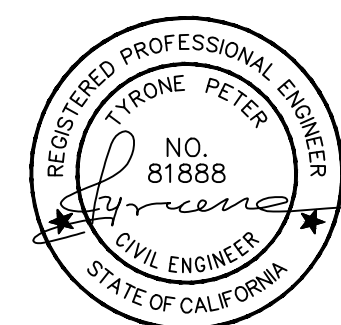
1. WATER SERVICE, WATER METERS AND CONNECTION LOCATIONS SHOWN OR NOT SHOWN ON PLANS ARE APPROXIMATE. EXACT LOCATIONS ARE TO BE CONFIRMED BY THE CONTRACTOR.
2. THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITIES OR STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED BY AVAILABLE RECORDS. THE CONTRACTOR SHALL TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN AND ANY OTHER UTILITIES NOT ON RECORD OR SHOWN ON THESE PLANS.
3. CALIFORNIA CODE OF REGULATIONS AND OSHA STANDARDS SHALL BE FOLLOWED FOR CONNECTING NEW WATER SERVICE TO EXISTING TRANSITE/ASBESTOS PIPE. SEE SPECIFICATION.



NO.	REVISION	BY	DATE



DESIGNED: DR, SM  
DRAWN: DD, SM  
CHECKED: TP



CITY OF HUGHSON  
PUBLIC WORKS DEPARTMENT  
7018 PINE STREET  
HUGHSON, CALIFORNIA 95326  
209.883.4054

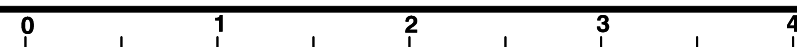


**TULLY ROAD WATER IMPROVEMENTS  
PLAN AND PROFILE  
18+00 TO 35+00**

DATE:  
MARCH 10, 2022  
SCALE:  
HORIZ: 1"=40'  
VERT: 1"=4'  
PROJECT No.:

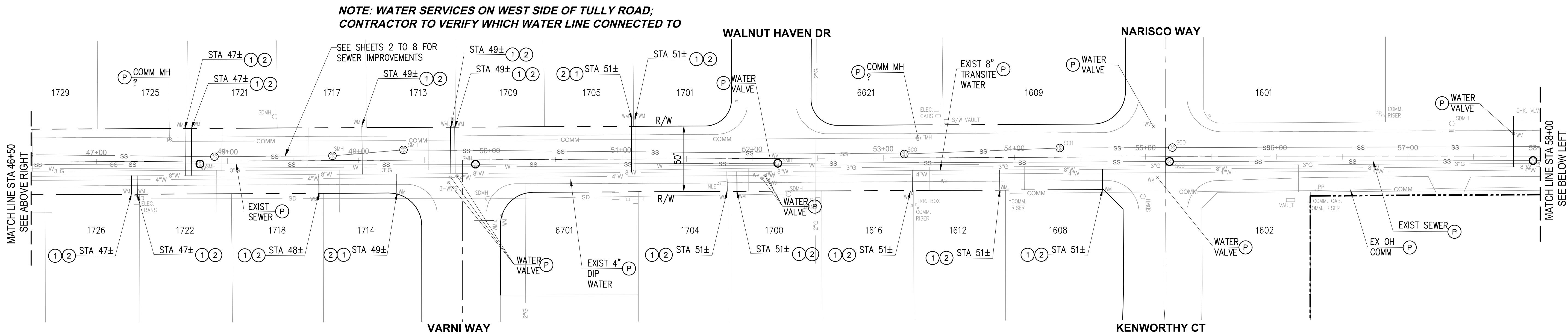
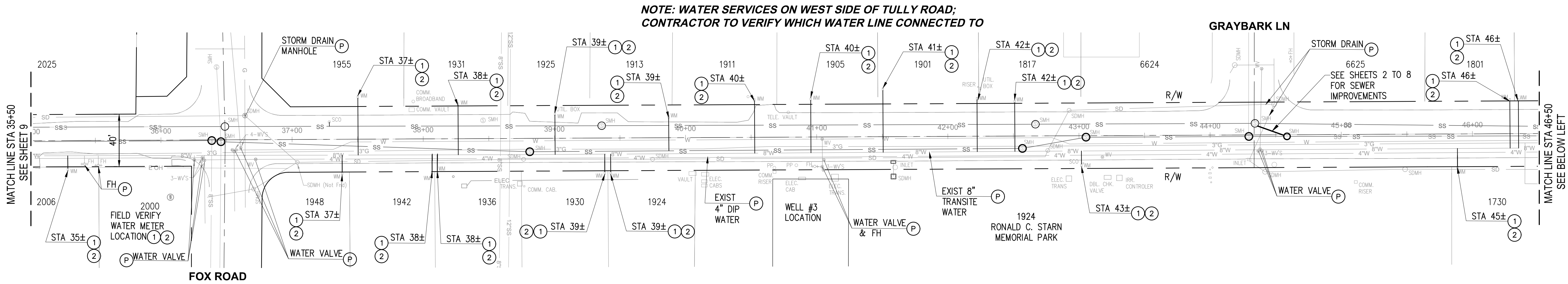
SHEET:  
**09**  
OF  
**11**

FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES



BID SET 10/03/2022

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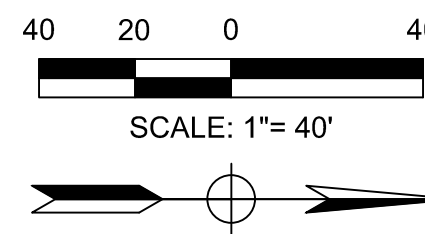
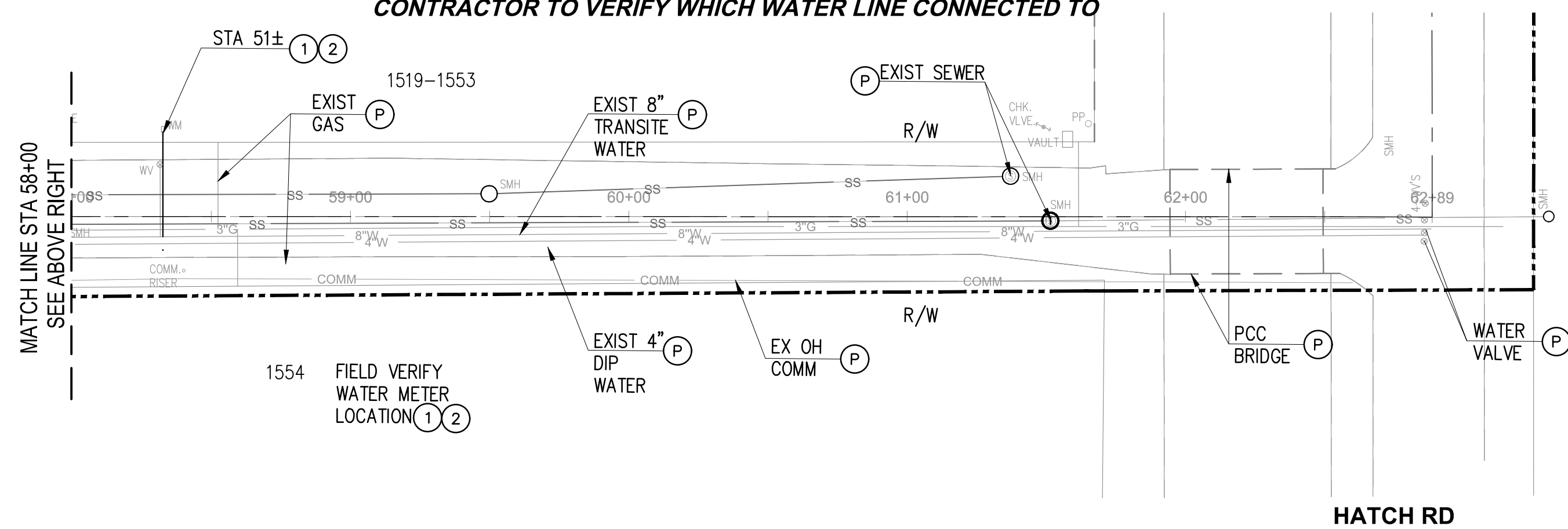
**CONSTRUCTION NOTES:**

1. CONSTRUCT NEW 1" WATER SERVICE LATERAL FROM EXISTING WATER METER TO EXISTING 8" TRANSITE WATER PER CITY STANDARD DETAIL 5-W.9. CONTRACTOR TO PROVIDE LOCATION AND DEPTH OF EXISTING 8" WATER AND PROVIDE LENGTH OF NEW WATER SERVICE CONNECTION.
2. REMOVE EXISTING WATER SERVICE LATERAL FROM EXISTING WATER METER TO EXISTING 4" DIP WATER. CONTRACTOR TO PROVIDE EXISTING WATER SERVICE LOCATION AND DEPTH AT CONNECTION AND LENGTH OF EXISTING WATER SERVICE TO BE REMOVED.

**NOTES:**

1. WATER SERVICE, WATER METERS AND CONNECTION LOCATIONS SHOWN OR NOT SHOWN ON PLANS ARE APPROXIMATE. EXACT LOCATIONS ARE TO BE CONFIRMED BY THE CONTRACTOR
2. THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITIES OR STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED BY AVAILABLE RECORDS. THE CONTRACTOR SHALL TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN AND ANY OTHER UTILITIES NOT ON RECORD OR SHOWN ON THESE PLANS.
3. CALIFORNIA CODE OF REGULATIONS AND OSHA STANDARDS SHALL BE FOLLOWED FOR CONNECTING NEW WATER SERVICE TO EXISTING TRANSITE/ASBESTOS PIPE. SEE SPECIFICATION.

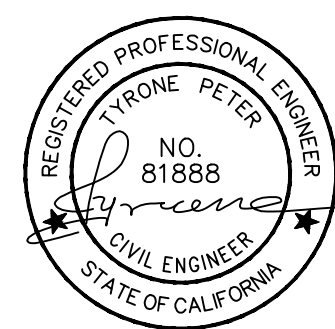
**NOTE: WATER SERVICES ON WEST SIDE OF TULLY ROAD;  
CONTRACTOR TO VERIFY WHICH WATER LINE CONNECTED TO**



NO.	REVISION	BY	DATE



DESIGNED: DR, SM  
DRAWN: DD, SM  
CHECKED: TP



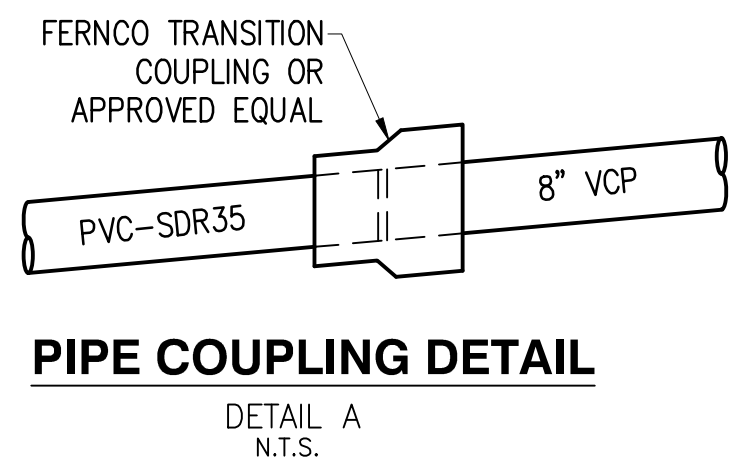
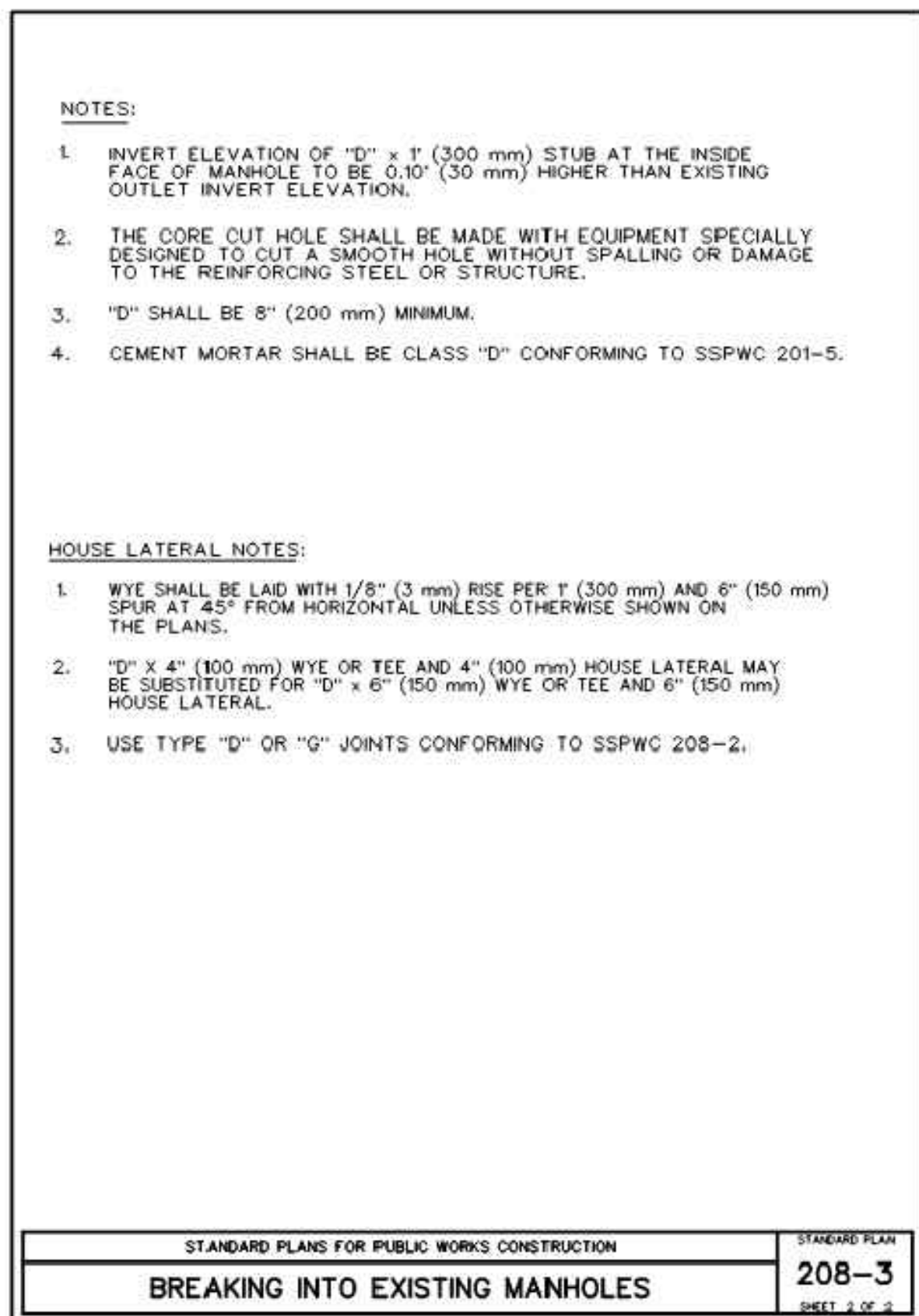
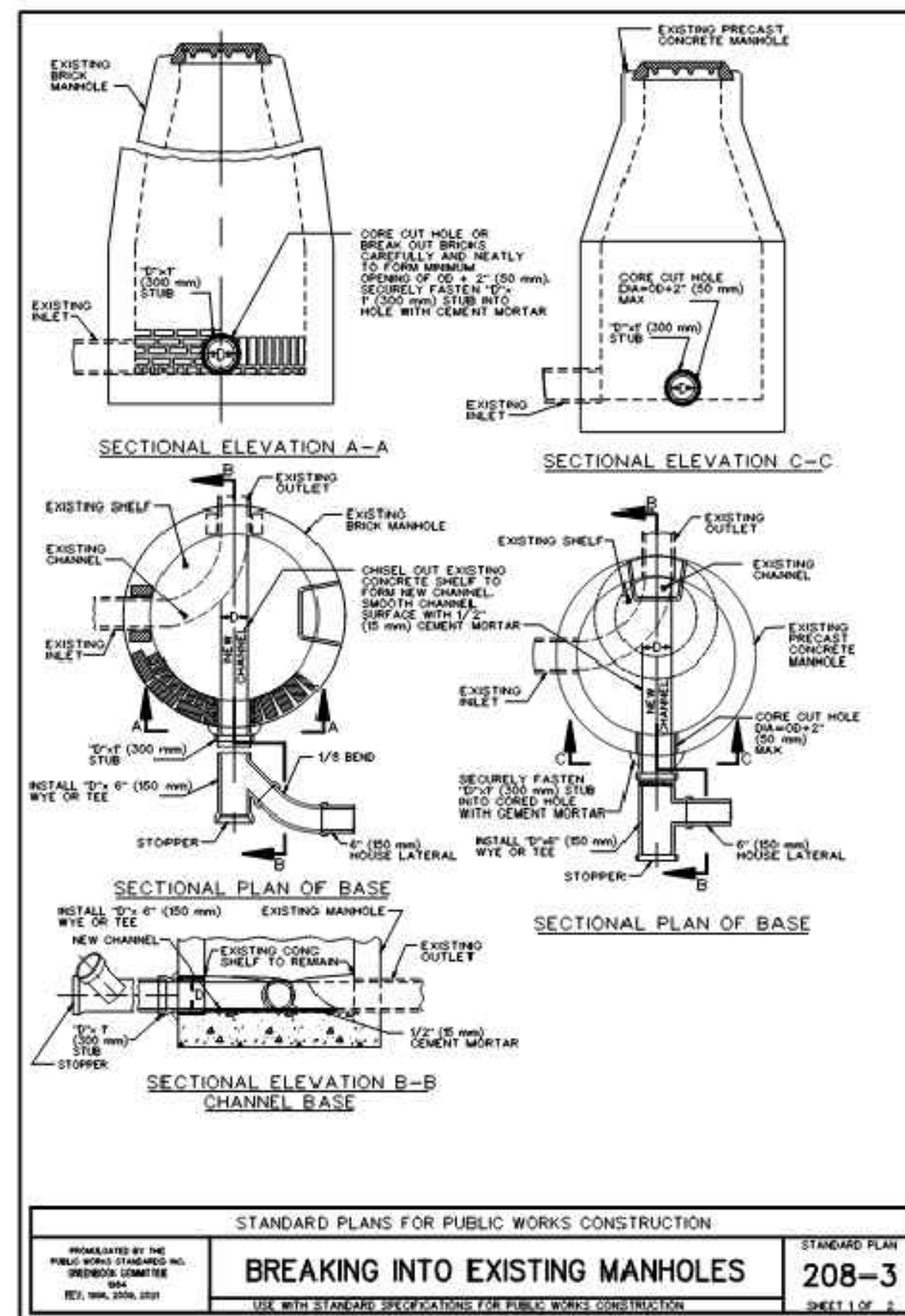
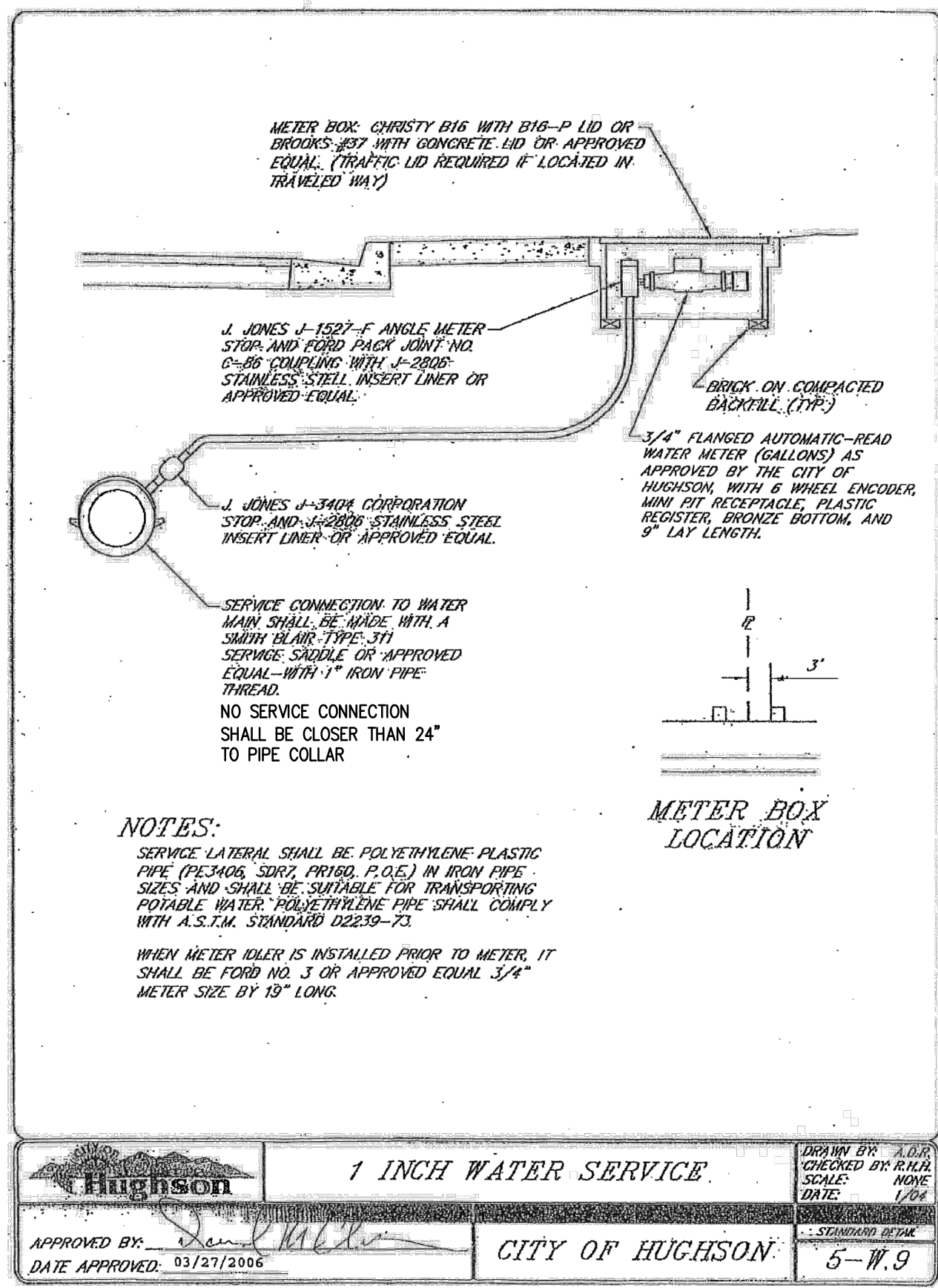
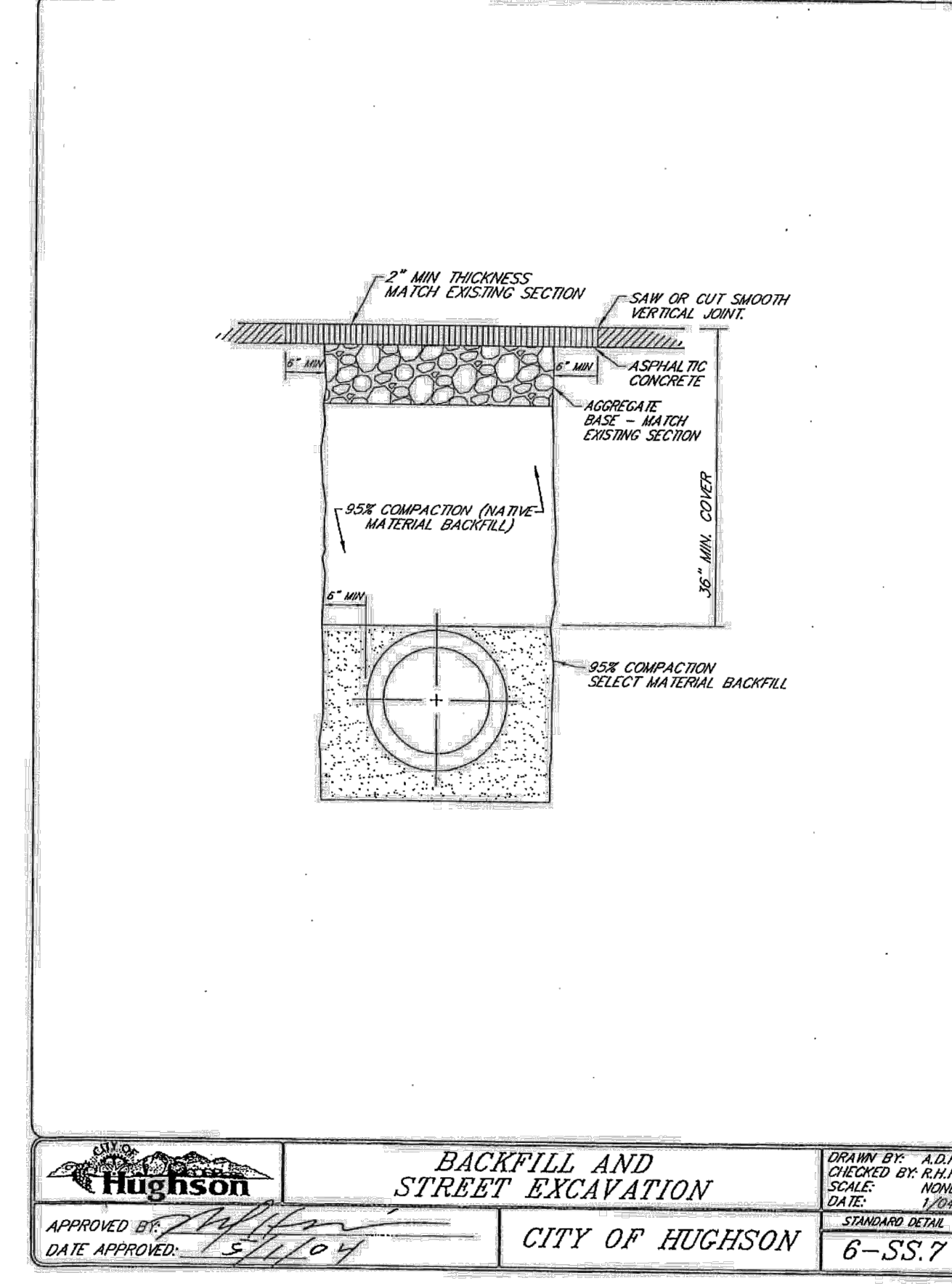
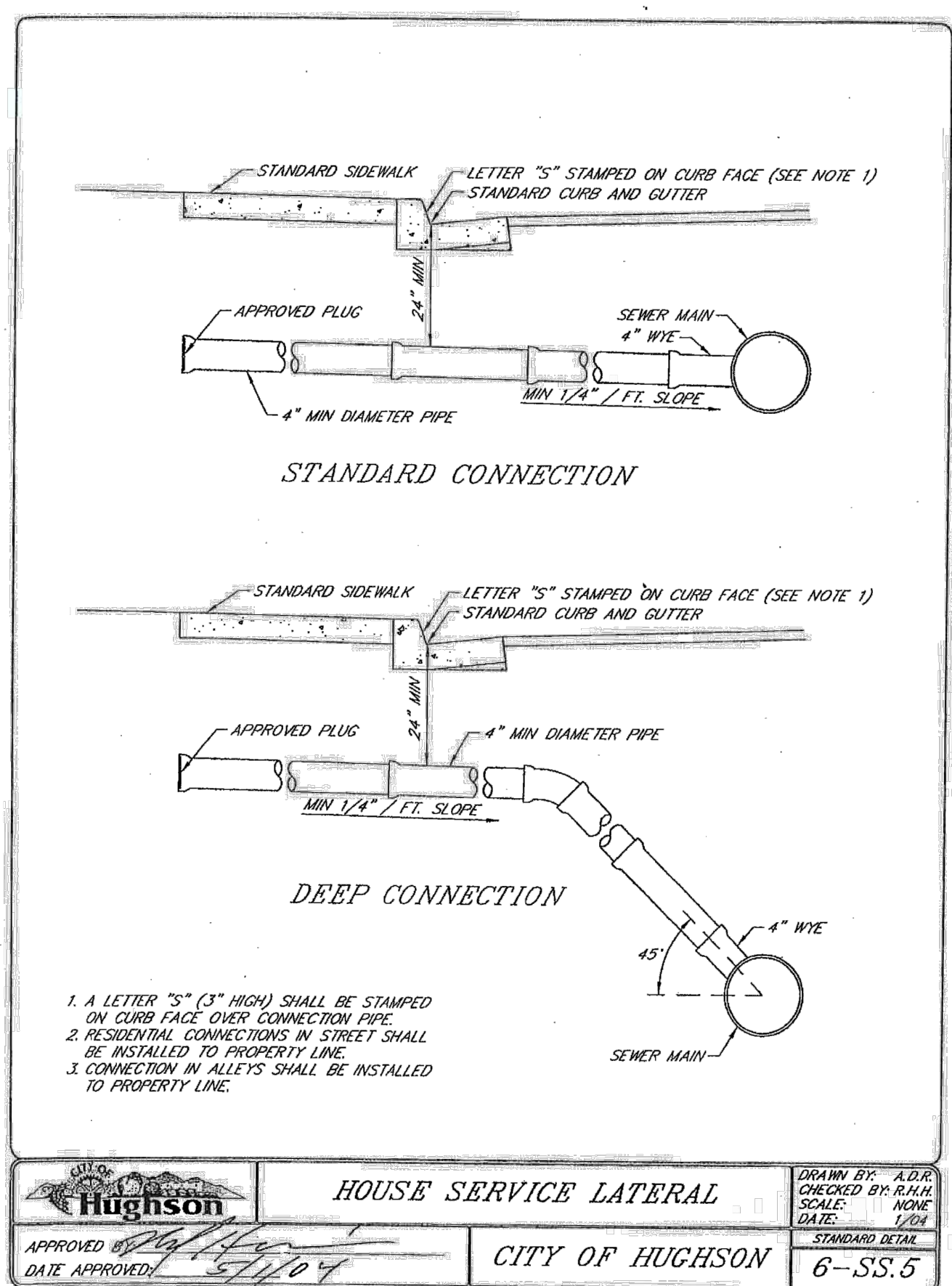
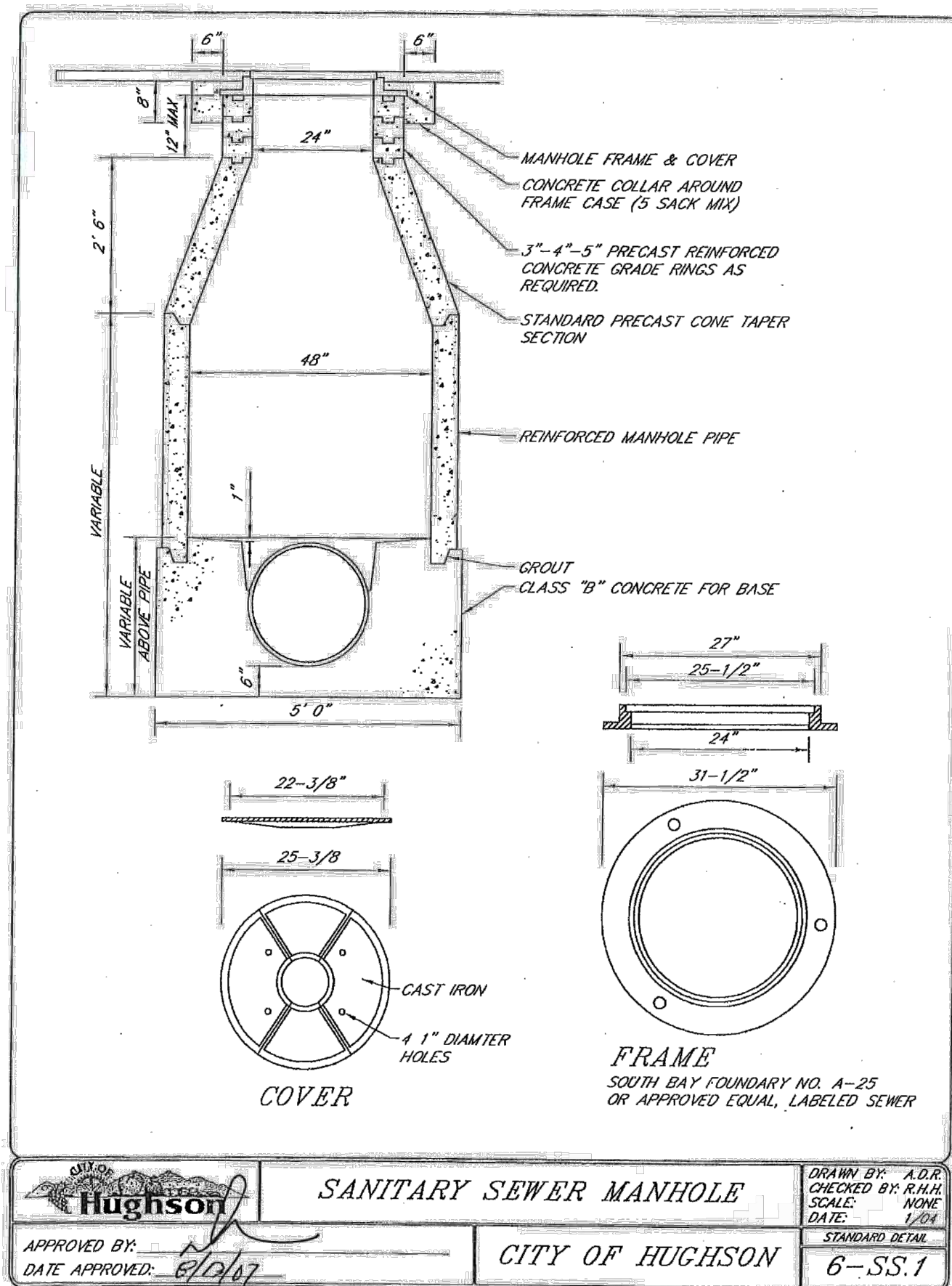
CITY OF HUGHSON  
PUBLIC WORKS DEPARTMENT  
7018 PINE STREET  
HUGHSON, CALIFORNIA 95326  
209.883.4054



**TULLY ROAD WATER IMPROVEMENTS  
PLAN AND PROFILE  
35+50 TO 62+00**

DATE:  
MARCH 10, 2022  
SCALE:  
HORIZ: 1"=40'  
VERT: 1"=4'  
PROJECT No.:

SHEET:  
10  
OF  
11



NO.	REVISION	BY	DATE

**WILLDAN**

2401 East Katella Ave, Suite 300, Anaheim, California 92806  
714/978-8200 fax 714/978-8299

DESIGNED: DR, SM

DRAWN: DD, SM

CHECKED: TP



**CITY OF HUGHSON**  
PUBLIC WORKS DEPARTMENT  
7018 PINE STREET  
HUGHSON, CALIFORNIA 95326  
209.883.4054



**TULLY ROAD SEWER & WATER IMPROVEMENTS**

**DETAILS**

DATE: MARCH 10, 2022	SHEET: 11
SCALE: NO SCALE	OF 11
PROJECT No.:	