CITY OF COLUSA

SANITARY SEWER & RECYCLED WATER MAINS PROJECT

CITY OF COLUSA, COLUSA COUNTY, CALIFORNIA

JULY 2026

CWSRF: AGREEMENT NO. D2305012

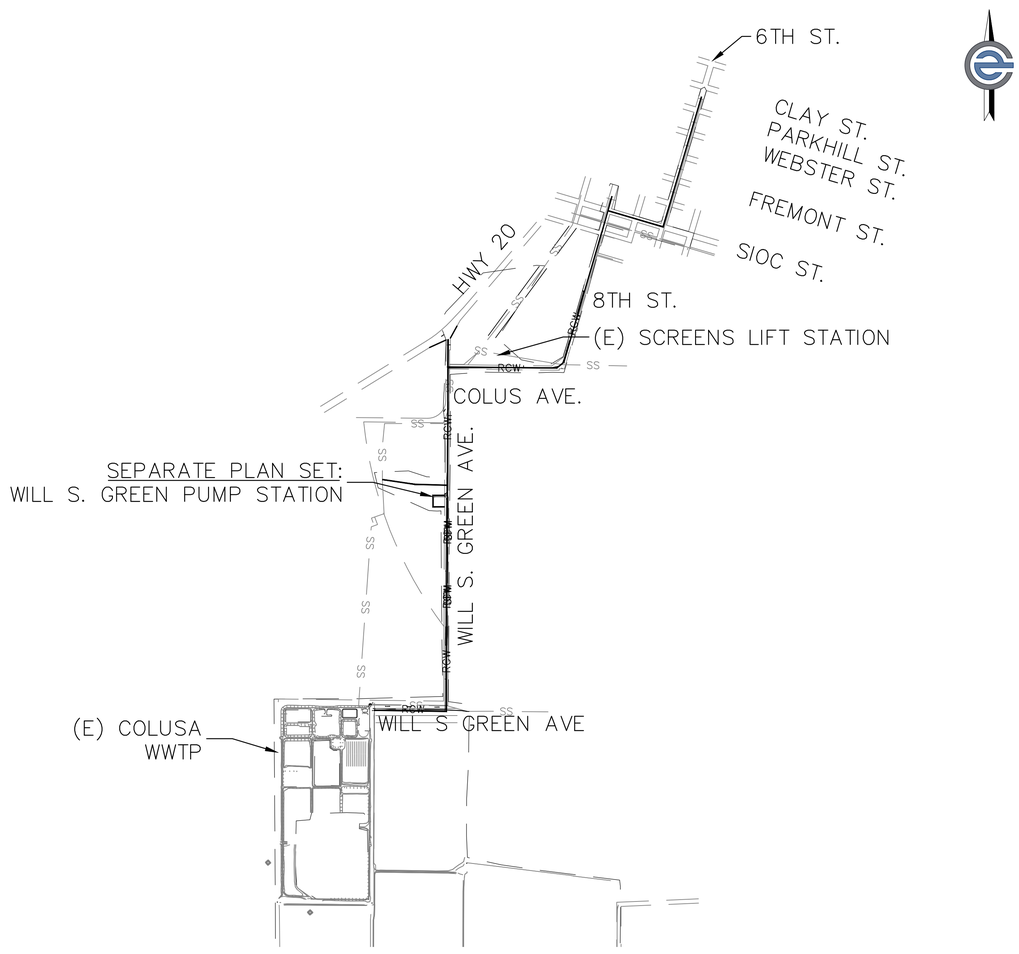
PROJECT NO. C-06-8613-110

ABBREVIATIONS:

AC	-	ASPHALT CONCRETE
AB	-	AGGREGATE BASE
APPROX.	-	APPROXIMATELY
AVE.	-	AVENUE
BC	-	BEGIN CURVE
B/O	-	BLOW OFF VALVE
C&G	-	CURB AND GUTTER
CL	-	CENTER LINE
C.O.T.G.	-	CLEAN OUT TO GRADE
CR	-	CURB RETURN
CULV.	-	CULVERT
DI	-	DRAIN INLET
DTL.	-	DETAIL
D\W	-	DRIVEWAY
EC	-	END CURVE
EL	-	ELEVATION
EP	-	EDGE OF PAVEMENT
ESMT.	-	EASEMENT
EX.	-	EXISTING
EXP.	-	EXPIRES
F.E.S.	-	FLARED END SECTION
FDC	-	FIRE DEPT. CONNECTION
FH	-	FIRE HYDRANT
FL	-	FLOW LINE
FM	-	SEWER FORCE MAIN
FND.	-	FOUND
GB	-	GRADE BREAK
HORIZ.	-	HORIZONTAL
HP	-	HIGH POINT
INTX.	-	INTERSECTION
INV.	-	INVERT
I.P.	-	IRON PIPE
JP	-	JOINT POLE
JT	-	JOINT TRENCH
LIP	-	LIP OF GUTTER
L.S.	-	LONG SWEEP
MH	-	MANHOLE
MON.	-	MONUMENT
OG	-	ORIGINAL GROUND
P.	-	PROPOSED
PC	-	POINT OF CURVATURE
PL	-	PROPERTY LINE
PP	-	POWER POLE
PT	-	POINT OF TANGENCY
PUE	-	PUBLIC UTILITY ESMT.
R/W	-	RIGHT-OF-WAY
RCW	-	RECYCLED WATER
SCH	-	SCHEDULE
SD	-	STORM SEWER
SHT	-	SHEET
SS	-	SANITARY SEWER
ST.	-	STREET
STA.	-	STATION
STD.	-	STANDARD
S/W	-	SIDEWALK
TBC	-	TOP BACK OF CURB
TBW	-	TOP BACK OF WALK
TOE	-	TOE OF SLOPE
TOP	-	TOP OF SLOPE
TP	-	TELEPHONE POLE
VERT.	-	VERTICAL
w/	-	WITH
W	-	WATER
WM	-	WATER METER
WV	-	WATER VALVE

LEGEND

- (E) SEWER MANHOLE
- (E) WATER METER
- (E) SEWER CLEAN OUT
- (E) WATER VALVE
- PROPERTY LINE
- RIGHT OF WAY LINE
- (P) SEWER MANHOLE
- SS — (P) SANITARY SEWER
- SFM — (P) SEWER FORCE MAIN
- RCW — (P) RECYCLED WATER MAIN
- (E) EP
- W — (E) WATER
- SS — (E) SANITARY SEWER
- SD — (E) STORM DRAIN
- (E) FIRE HYDRANT
- (E) POWER POLE
- SURVEY MONUMENT
- (E) GRAVEL ROAD
- (P) AGGREGATE BASE
- (P) SLURRY CEMENT BACKFILL



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UTILITY REPRESENTATIVES

UTILITY	COMPANY	CONTACT	PHONE
SEWER	CITY OF COLUSA PUBLIC WORKS	STAFF	(530) 458-4941
DRAINAGE	CITY OF COLUSA PUBLIC WORKS	STAFF	(530) 458-2215
WATER	CITY OF COLUSA PUBLIC WORKS	STAFF	(530) 458-4941
IRRIG. WATER	CITY OF COLUSA PUBLIC WORKS	STAFF	(530) 458-4941
FIRE	COLUSA FIRE DEPARTMENT	STAFF	(530) 458-5890
CABLE TV	COMCAST	AGENT	(800) 934-6489
ELECTRICAL	PACIFIC GAS & ELECTRIC (PG&E)	STAFF	(877) 743-7782
GAS	PACIFIC GAS & ELECTRIC (PG&E)	STAFF	(877) 743-7782
PHONE	AT&T	STAFF	(855) 637-9525
USA	UNDERGROUND SERVICE ALERT	STAFF	(800) 227-2600

VERTICAL DATUM:

THE VERTICAL DATUM FOR THIS PROJECT IS THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29).

THE BENCHMARK USED TO ESTABLISH ELEVATION IS:
U113-RESET, PID: KTO439, ELEVATION = 54.66' NGVD29.

HORIZONTAL DATUM:

THE HORIZONTAL DATUM FOR THIS PROJECT IS THE CALIFORNIA STATE PLANE COORDINATE SYSTEM, ZONE 2 (SPC CA 0402); NORTH AMERICAN DATUM 1983 (NAD83)

CALIFORNIA ENGINEERING COMPANY, INC.

SUBMITTED BY:

MARISA HEWITT, PE # 91572
PROJECT ENGINEER
P.E. EXP. 09/30/2026

7/29/2026
DATE

CITY OF COLUSA PUBLIC WORKS

APPROVED BY:

JESSE CAR
PUBLIC WORKS

7/26/2026
DATE

CITY OF COLUSA

APPROVED BY:

DAVID L SWARTZ, P.E. # C52840 - P.L.S. # 8401
CITY ENGINEER
P.E. EXP. 12/31/26 - P.L.S. EXP. 06/30/28

7/29/2026
DATE

NO.	DATE	DESCRIPTION

DATE: 7/28/2026
SCALE: 1" = 1000'
DRAWN BY: KAP
DESIGNED BY: MRH
CHECKED BY: DLS

REGISTERED PROFESSIONAL ENGINEER
MARISA ROSE HEWITT
C 91572
CIVIL
STATE OF CALIFORNIA

CALIFORNIA ENGINEERING COMPANY INC
ESTD 1986
CIVIL ENGINEERING
LAND SURVEYING
FUNDING PROCUREMENT
CONSTRUCTION ADMINISTRATION
www.cecusa.net
1110 Civic Center Blvd. Suite 404 | Yuba City, CA 95993 | (530) 751-0952 Office

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CITY OF COLUSA

COVER

SANITARY SEWER & RECYCLED WATER PROJECT

PROJECT NUMBER 23-209

SHEET C-1.0 OF 42

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CEC GENERAL NOTES

1.) THE CONSTRUCTION CONTRACTOR SHALL AGREE, THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE 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 AND THE CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD CONSULTING ENGINEER AND THE CITY OF COLUSA HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT. EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE CONSULTING DESIGN PROFESSIONAL OR THE CITY OF COLUSA.

2.) ALL CONSTRUCTION MATERIALS, METHODS AND WORKMANSHIP SHALL CONFORM TO THE CITY OF COLUSA PUBLIC WORKS IMPROVEMENT STANDARDS. ADOPTED LATEST EDITION OF CAL TRANS CONSTRUCTION SPECIFICATIONS (RANK SHALL BE IN ABOVE LISTED ORDER WHERE DISCREPANCIES EXIST). ALL WORK IS SUBJECT TO THE APPROVAL OF CITY ENGINEER OR HIS AUTHORIZED REPRESENTATIVE. CERTIFICATION FOR CONFORMANCE WITH CITY SPECIFICATIONS WILL BE REQUIRED FOR ALL MATERIALS USED ON THE PROJECT UNLESS SPECIFICALLY WAIVED BY THE CITY ENGINEER.

3.) THE CONTRACTOR SHALL NOTIFY THE CITY ENGINEER 72-HOURS PRIOR TO COMMENCING WORK AND 24-HOURS PRIOR TO RESUMPTION AFTER INTERRUPTION.

4.) THE CONTRACTOR SHALL OBTAIN ALL NECESSARY ENCROACHMENT PERMITS FOR THE PROJECT, AND BE IN RECEIPT OF SUCH PERMITS AND APPROVED PLANS PRIOR TO THE BEGINNING OF CONSTRUCTION.

5.) THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH ALL CURRENTLY APPLICABLE SAFETY LAWS OF ANY JURISDICTIONAL BODIES. FOR MORE INFORMATION, PLEASE CONTACT THE STATE INDUSTRIAL SAFETY DEPARTMENT (916-455-5818).

6.) THE CONTRACTOR SHALL BE HELD RESPONSIBLE TO SEE THAT ALL SUBCONTRACTORS AND SUPPLIERS HAVE CURRENT COUNTY BUSINESS LICENSES. THE WORK WILL NOT BE ACCEPTED FOR COMPLETION UNTIL SUBMITTAL OF A COMPLETE LIST WITH LICENSE NUMBERS TO THE CITY ENGINEER.

7.) THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE OF EXISTING PUBLIC AND PRIVATE IMPROVEMENTS WITHIN AND ADJACENT TO THE WORK AND SHALL ADEQUATELY BARRICADE PROJECT TO KEEP THE GENERAL PUBLIC FROM THE SITE. ANY DAMAGE TO CITY OR PRIVATE IMPROVEMENTS SHALL BE REPLACED OR REPAIRED BY THE CONTRACTOR AT HIS EXPENSE TO CURRENT CITY OF COLUSA STANDARDS.

8.) THE CONTRACTOR IS TO EXPOSE THE ENDS OF WATER MAINS, SEWER AND DRAIN LINES AND EXISTING GRAVITY LINES FOR THE SURVEYOR TO VERIFY LOCATION AND DEPTH OF FACILITIES PRIOR TO PLACEMENT OF PIPE.

9.) THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPORTING ALL CONFLICTS, ERRORS, OMISSIONS, ETC. TO THE CONSULTING ENGINEER IMMEDIATELY UPON DISCOVERY. IF SO DIRECTED BY THE ENGINEER OR CITY ENGINEER, THE CONTRACTOR SHALL STOP WORK UNTIL MITIGATIONS CAN BE MADE. ANY COSTS INCURRED RESULTING FROM THE CONTRACTOR'S FAILURE TO STOP WORK AS DIRECTED SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

10.) THE CONTRACTOR SHALL AT ALL TIMES COORDINATE HIS WORK WITH THAT OF OTHERS ON THE SITE. THE CONTRACTOR SHALL HAVE A RESPONSIBLE PARTY, WHO SHALL HAVE THE AUTHORITY TO REPRESENT AND ACT ON HIS BEHALF, ON THE JOB SITE DURING ALL WORKING HOURS.

11.) THE CITY OF COLUSA IS A MEMBER OF THE UNDERGROUND SERVICE ALERT (U.S.A.) ONE CALL SYSTEM. THE CONTRACTORS SHALL NOTIFY THE U.S.A. CENTER 72-HOURS IN ADVANCE OF PERFORMING ANY EXCAVATION WORK BY CALLING 800-642-2444.

12.) THE CONTRACTOR SHALL MARK IN WHITE PAINT ALL AREAS TO BE EXCAVATED PRIOR TO CONTACTING U.S.A.

13.) CONTRACTOR SHALL SUBMIT TO THE PUBLIC WORKS DEPARTMENT INSPECTOR A COPY OF THE COMPANY ANNUAL CALOSHA TRENCHING PERMIT AND A COPY OF THE COMPANIES LETTER INFORMING CALOSHA OF THE TIME OF TRENCHING PRIOR TO EXCAVATION OF TRENCHES 5' OR DEEPER.

14.) ALL WORK SHALL BE IN ACCORDANCE WITH THE CITY'S NOISE ORDINANCE.

15.) IF ANY AMOUNT OF BONES, STONE OR ARTIFACTS ARE UNCOVERED, WORK WITHIN 165 FEET OF THE AREA SHALL CEASE IMMEDIATELY AND A QUALIFIED ARCHEOLOGIST SHALL BE CONSULTED TO DEVELOP (IF NECESSARY) FURTHER MITIGATION MEASURES TO REDUCE ANY ARCHEOLOGICAL IMPACT TO A LESS THAN SIGNIFICANT EFFECT BEFORE CONSTRUCTION RESUMES IN THE AREA.

16.) CONTRACTOR SHALL PROVIDE THE CITY ENGINEER WITH SUBMITTALS FOR ALL MATERIALS TO BE USED. THE SUBMITTALS SHALL BE DELIVERED TO THE DEPARTMENT OF PUBLIC WORKS A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PRE-CONSTRUCTION CONFERENCE.

17.) CERTIFICATION FOR CONFORMANCE WITH THE CITY OF COLUSA SPECIFICATIONS WILL BE REQUIRED OF ALL MATERIAL USED ON THE PROJECT UNLESS SPECIFICALLY WAIVED BY THE ENGINEER.

18.) CONTRACTOR SHALL ADEQUATELY BARRICADE PROJECT TO KEEP THE GENERAL PUBLIC FROM THE SITE.

19.) ALL APPLICABLE FEES TO BE PAID AND PERMITS REQUIRED SHALL BE OBTAINED BY THE CONTRACTOR BEFORE COMMENCEMENT OF CONSTRUCTION.

20.) A SOILS ENGINEER SHALL BE ENGAGED BY THE OWNER TO CERTIFY THAT THE VARIOUS ITEMS OF COMPACTION COMPLY WITH THE SPECIFICATIONS AND THAT SPECIAL WORK REQUIRED HAS BEEN DONE SATISFACTORILY.

21.) THE CONTRACTOR SHALL USE A WATER TRUCK WHEN REQUIRED TO MAINTAIN ADEQUATE DUST CONTROL.

22.) INTERMEDIATE TRENCH BACK FILL SHALL BE IN MAXIMUM LIFTS OF 8" AND SHALL HAVE A MINIMUM RELATIVE COMPACTION OF 90% OR AS DIRECTED BY THE SOILS ENGINEER. COMPACTION SHALL BE BY MECHANICAL MEANS.

23.) EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE PLANS AND STORM WATER POLLUTION PREVENTION PLAN (SWPPP).

24.) PRIOR TO THE BEGINNING OF EARTHWORK THE CONTRACTOR SHALL CLEAR ALL ROOTS, ORGANIC MATTER, DEBRIS, PAVING, CURB, AND VEGETATION DESIGNATED TO BE SAVED, FROM THE AREA WITHIN WHICH EXCAVATION AND GRADING ARE TO BE CONDUCTED OR STORAGE OF EXCAVATED MATERIALS OR FILL IS TO BE MADE. VEGETATION CLEARED FROM THESE AREAS SHALL BE DISPOSED OF BY THE CONTRACTOR, AND INCLUDED IN THE COST OF CLEARING AND GRUBBING.

25.) IN TRANSITION AREAS FROM ONE STREET WIDTH TO ANOTHER STREET WIDTH, THE HEAVIER STRUCTURAL SECTION SHALL BE USED.

26.) DIMENSIONS SHOWN ON PLANS ARE TO CENTERLINE OF PIPE, UNLESS OTHERWISE NOTED.

CEC GENERAL NOTES CONTINUED

28.) SEWER AND WATER AND SERVICES TO HAVE A MINIMUM 10 FEET HORIZONTAL SEPARATION.

29.) THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING UTILITIES.

30.) CONTRACTOR SHALL POTHOLE ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION TO VERIFY LOCATION AND DEPTH. THE TYPES, LOCATIONS, SIZES AND DEPTH OF EXISTING UTILITIES WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY, THE CONTRACTOR IS CAUTIONED THAT ONLY EXCAVATIONS WILL REVEAL ACTUAL INFORMATION. A REASONABLE EFFORT WAS MADE TO DELINEATE UTILITIES, HOWEVER, CALIFORNIA ENGINEERING COMPANY ASSUMES NO RESPONSIBILITY FOR THE COMPLETENESS, NOR ACCURACY, NOR FOR OTHER UTILITIES WHICH MAY BE ENCOUNTERED. THE CONTRACTOR IS HEREBY NOTIFIED THAT THEY ARE RESPONSIBLE FOR VERIFICATION OF THE LOCATION OF ALL UTILITIES AT THE CONSTRUCTION SITE. IN THE EVENT CONFLICTS EXIST OR SUBSTANTIAL DISCREPANCIES ARE FOUND, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY AND ALLOW 2 WORKING DAYS FOR CHANGE TO BE MADE, COORDINATED AND APPROVED.

GRADING NOTES

1.) A SOILS ENGINEER SHALL CERTIFY THAT THE VARIOUS ITEMS OF COMPACTION AND MATERIALS HAVE BEEN ACCOMPLISHED. GRADING SHALL CONFORM TO CHAPTER 70 UBC, LATEST EDITION, AND TO THE RECOMMENDATION OF THE GEOTECHNICAL ENGINEERING REPORT, AND CITY REQUIREMENTS, WHICH EVER IS GREATER.

2.) ALL COMPACTION TESTING SHALL BE PERFORMED BY A LICENSED GEOTECHNICAL ENGINEER IN ACCORDANCE WITH THE GEOTECHNICAL AND CITY SPECIFICATIONS AND BE PAID FOR BY THE DEVELOPER (OR CONTRACTOR IN CASE OF RE-TESTING). THOSE TESTS WITHIN THE RIGHT-OF-WAY SHALL BE APPROVED BY THE CITY OF COLUSA AND ALL TESTING OUTSIDE THE RIGHT-OF-WAY CERTIFIED BY THE SOILS ENGINEER FOR THE PROJECT. THE RESULTS OF SOIL COMPACTION TESTING SHALL BE SUBMITTED TO THE CITY BI-MONTHLY.

3.) ALL UNSUITABLE AND SURPLUS MATERIAL SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED.

4.) SUFFICIENT EQUIPMENT SHALL BE AVAILABLE TO PROVIDE DUST CONTROL AT ALL TIMES DURING CONSTRUCTION. A WATER TRUCK SHALL BE USED, WHEN REQUIRED, TO MAINTAIN ADEQUATE DUST CONTROL. AREAS SURROUNDING THE WORK SHALL BE KEPT CLEAN AND RETURNED TO ORIGINAL CONDITION UPON COMPLETION OF THE CONTRACT. THE CONTRACTOR SHALL OBTAIN A FIRE HYDRANT WATER METER PRIOR TO COMMENCEMENT OF WORK.

5.) ROUTES TO THE PROJECT SITE FOR HEAVY EQUIPMENT AND MATERIAL SHALL BE APPROVED BY THE CITY ENGINEER.

6.) EROSION CONTROL HYDROSEEDING SHALL BE APPLIED TO ALL GRADED OR DISTURBED SOILS WITHIN THE WORK AREA AFTER COMPLETION OF IMPROVEMENTS OR IF PRACTICAL AFTER GRADING ALSO TO REDUCE DUST.

7.) WINTERIZATION NOTE *THE FOLLOWING ARE REQUIRED IF GRADING AND CLEARING IMPROVEMENTS ARE INCOMPLETE BY OCTOBER 15TH; EROSION PROTECTION ON SLOPES 10:1 OR STEEPER AND SWALES WITH SLOPES 2% OR GREATER. NO SEDIMENT SHALL LEAVE THE PROJECT AREA. GRADE GUTTER SAG POINTS TO DRAIN. PROVIDE FOR DRAINAGE OF IMPROVEMENTS. PREVENT SEDIMENTATION IN EXISTING STORM DRAIN SYSTEM AND CLEAN PIPES PER SECTION SS60-05 (CAL-TRANS SPECS). SEAL OFF ALL SANITARY SEWER CONNECTION TO EXISTING SYSTEMS. IT IS THE CONTRACTORS RESPONSIBILITY TO MAINTAIN WINTERIZATION FACILITIES AT ALL TIMES OR UNTIL IMPROVEMENTS ARE FINAL.

8.) ALL EROSION CONTROL SHALL BE PLACED AS SPECIFIED ON THESE PLANS OR AS SHOWN ON THE SWPPP.

9.) TARPAULINS OR OTHER EFFECTIVE COVERS SHALL BE USED ON ALL STOCKPILED EARTH MATERIAL AND ON HAUL TRUCKS TO MINIMIZE DUST.

10.) THE CITY SHALL HAVE THE AUTHORITY TO STOP ALL GRADING OPERATIONS, IF, IN THE OPINION OF CITY STAFF, INADEQUATE DUST CONTROL MEASURES ARE BEING PRACTICED OR EXCESSIVE WIND CONDITIONS CONTRIBUTE TO FUGITIVE DUST EMISSIONS.

11.) ADJACENT STREET FRONTAGES SHALL BE SWEPT AT LEAST ONCE A DAY TO REMOVE SILT AND OTHER DIRT WHICH IS EVIDENT FROM CONSTRUCTION ACTIVITIES.

12.) THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING CONSTRUCTION VEHICLES LEAVING THE SITE ON A DAILY BASIS TO PREVENT DUST, SILT, AND DIRT FROM BEING RELEASED OR TRACKED OFFSITE.

13.) PRIOR TO INITIATING CLEARING AND GRUBBING ALL PROTECTIVE FENCING SHALL BE INSTALLED.

SANITARY SEWER NOTES

1.) ALL SANITARY SEWER CONSTRUCTION MATERIALS AND INSTALLATION SHALL BE IN ACCORDANCE WITH THE CITY COLUSA STANDARD DETAILS AND THE MANUFACTURERS SPECIFICATIONS. ALL SANITARY SEWER INITIAL BACK FILL SHALL BE THE SAME MATERIAL USED FOR PIPE BEDDING AND SHALL BE PLACED TO 12" ABOVE TOP OF PIPE. PIPE MATERIALS WHICH WILL NORMALLY BE CONSIDERED ARE AS FOLLOWS: VITRIFIED CLAY, BELL AND SPIGOT PIPE. DUCTILE IRON PIPE FOR PIPELINES 12 INCHES IN DIAMETER AND LESS. PVC LINED REINFORCED CONCRETE PIPE (18" DIAMETER AND LARGER ONLY). POLYVINYL CHLORIDE C900 DR 14 CONFORMING TO ASTM D1784 OR POLYVINYL CHLORIDE PIPE SDR 26 CONFORMING TO ASTM 3034 AND 679.

2.) THE CONTRACTOR SHALL VERIFY THE LOCATION AND ELEVATION OF THE EXISTING MANHOLE BEING TIED INTO PRIOR TO PLACEMENT OF THE SEWER FORCE MAIN PIPE.

3.) THE SEWER FORCE MAIN PIPE ENTERING A MANHOLE WILL BE SET NOT LOWER THAN FLOWLINE-TO-CROWN WITH EXISTING PIPE UNLESS OTHERWISE SHOWN.

4.) THE CONTRACTOR SHALL MAINTAIN ALL EXISTING SEWER FACILITIES WITHIN THE CONSTRUCTION AREA UNTIL NEW IMPROVEMENTS ARE IN PLACE AND APPROVED.

5.) ANY WATER ENTERING THE SANITARY SEWER SYSTEM TO BE CONSTRUCTED UNDER THESE PLANS SHALL NOT BE DISCHARGED TO THE EXISTING SYSTEM. PLUGS SHALL BE INSTALLED IN EXISTING MANHOLES AS NECESSARY TO PERMIT PUMPING THE NEW SYSTEM CLEAR OF WATER AND DEBRIS PRIOR TO ACCEPTANCE. CARE SHALL BE EXERCISED IN LOCATING PLUGS TO AVOID INTERRUPTING SERVICE TO EXISTING CONNECTIONS. MORTAR OR BRICK PLUGS SHALL BE USED. INFLATABLE DEVICES ARE NOT SATISFACTORY.

6.) ALL SERVICES SHALL HAVE 3' OF COVER AT THE PROPERTY LINE AND SHALL BE TO THE CENTER OF THE LOT UNLESS OTHERWISE NOTED ON THE PLANS. THE CONTRACTOR SHALL PLACE A 4"X4" REDWOOD POST AT THE END OF EACH SERVICE EXTENDING FROM THE END OF PIPE TO AT LEAST 12" ABOVE SURFACE.

7.) ALL SEWER MAIN LINES, SERVICES, AND MANHOLES SHALL BE PRESSURE TESTED IN ACCORDANCE WITH CITY OF COLUSA STANDARD DETAILS AND/OR AS DIRECTED BY CITY OF COLUSA MANAGER.

8.) CURB TO BE BRANDED WITH "S" AT SEWER SERVICE LOCATIONS.

9.) ALL SEWER SERVICES CONNECTING TO SEWER FORCE MAIN SHALL BE CONNECTED WITH LONG SWEEP 'Y' FITTING IN THE DIRECTION OF FLOW.

10.) ALL SEWER FORCE MAIN CLEANOUTS AND SEWER TRANSFER SERVICE CLEANOUTS SHALL HAVE A TRAFFIC RATED BOX , GATE VALVE AND BE TERMINATED WITH A THREADED PLUG.

CONSTRUCTION STAKING

1.) THE SURVEYOR FOR THIS PROJECT SHALL PROVIDE ONE (1) SET OF CONSTRUCTION STAKES FOR LINE AND GRADE UNLESS OTHERWISE REQUESTED BY THE OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING MONUMENTS AND OTHER SURVEY MARKERS DURING CONSTRUCTION. ALL SUCH MONUMENTS OR MARKERS DESTROYED DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTORS EXPENSE.

2.) IN THE EVENT OF A DISAGREEMENT OR DESTROYED STAKE OR MONUMENT, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE SURVEYOR PRIOR TO ANY FURTHER CONSTRUCTION. SURVEYOR: CALIFORNIA ENGINEERING COMPANY, INC.

3.) THE CONTRACTOR SHALL GIVE THE SURVEYOR 72-HOURS NOTICE PRIOR TO EACH PHASE OF CONSTRUCTION OR IN THE EVENT OF NEEDED RESTAKING. PRIOR TO REQUESTING ACCEPTANCE OF IMPROVEMENTS, THE SURVEYOR FOR THIS PROJECT SHALL SET SURVEY MONUMENTS AS SPECIFIED IN THE IMPROVEMENT STANDARDS.

4.) THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING MONUMENTS AND OTHER SURVEY MARKERS.

5.) THE CONTRACTOR SHALL HAVE THE SITE STAKED PRIOR TO CONSTRUCTION OF ANY IMPROVEMENTS TO ENSURE PROPER ALIGNMENTS AND ELEVATIONS. CEC WILL ONLY ENSURE ACCURACY ON ALIGNMENTS AND ELEVATIONS IF IT IS HIRED TO PERFORM CONSTRUCTION STAKING. CEC SHALL NOT BE HELD RESPONSIBLE FOR ALIGNMENT AND ELEVATION ACCURACY IF ANOTHER FIRM PERFORMS THE CONSTRUCTION STAKING.

PRESSURE DISTRIBUTION FACILITIES NOTES

1.) ALL FACILITIES INCLUDING BUT NOT LIMITED TO LINES, SERVICE BOXES, VALVES, AND ALL MISCELLANEOUS APPURTENANCES SHALL CONFORM TO THE CITY OF COLUSA STANDARD DETAILS AND SPECIFICATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY INFORMATION, REQUIREMENTS, AND DRAWINGS NECESSARY TO BID AND COMPLETE THE WORK SHOWN ON THESE PLANS AND INSTALLED PER MANUFACTURERS SPECIFICATIONS. PIPE ALTERNATIVES SHALL BE: DUCTILE - IRON PIPE - AWWA C151 CLASS 50.

2.) FIRE HYDRANTS SHALL BE APPROVED BY THE CITY ENGINEER AND COLUSA FIRE DEPARTMENT.

3.) ALL RUNS OF PIPE SHALL HAVE NO.10 GAUGE, SOLID INSULATED SOFT-DRAWN COPPER WIRE TAPED ALONG THE TOP OF PIPE. THE WIRE SHALL BE STUBBED UP INSIDE EACH VALVE BOX AND DEAD END BLOWOFF ASSEMBLY AND BE INSTALLED AS PER STANDARD DRAWING ASSEMBLY W-5. ALL SPLICES SOLDERED AND SHRINK-WRAPPED OR TAPPED.

4.) AT UTILITY CROSSING MAINTAIN A MINIMUM 12" VERTICAL CLEARANCE BETWEEN WATER LINES AND ALL OTHER FACILITIES. ALL SEWER/WATER CROSSINGS, INCLUDING SERVICES, SHALL CONFORM TO STATE HEALTH DEPARTMENT REQUIREMENTS WITH 10' MINIMUM HORIZONTAL CLEARANCE.

5.) ALL VALVES SHALL BE FLANGED TO TEES AND/OR CROSSES. ALL MAINLINE VALVES 16-INCH AND LARGER SHALL BUTTERFLY VALVES WHERE VALVE NUT IS GREATER THAN 30-INCH BELOW FINISHED GRADE. A VALVE OPERATING EXTENSION SHALL BE REQUIRED.

6.) ALL SERVICES SHALL BE PER CITY OF COLUSA STANDARD DETAILS AND SPECIFICATIONS.

7.) METER BOXES AND COVERS SUBJECT TO TRAFFIC SHALL BE REINFORCED CONCRETE.

8.) SERVICE CONNECTION TO EXISTING MAIN (S), OR TO AN EXTENSION OF AN EXISTING WATER MAIN (S), WILL BE MADE BY A QUALIFIED CONTRACTOR. THE CONTRACTOR SHALL NOTIFY CITY 72 HOURS IN ADVANCE, SCHEDULE AND PROCEED WITH THE SERVICE CONNECTION WITH MINIMUM INTERFERENCE TO EXISTING WATER AND FIRE SERVICES. AN INSPECTION BY THE CITY CONSTRUCTION INSPECTOR OF ALL CONNECTIONS MADE BY THE CONTRACTOR IS REQUIRED PRIOR TO BACKFILLING.

9.) PIPE JOINTS WILL NOT BE ALLOWED WITHIN SIX FEET (6') OF VALVE, FITTING OR HYDRANT.

10.) UNDER NO CIRCUMSTANCES SHALL PIPE OR JOINT DEFLECTION EXCEED MANUFACTURERS RECOMMENDATION. DEFLECTION OF PIPE WILL NOT BE ALLOWED WITHIN TEN FEET (10') OF ANY FITTING OR VALVE.

11.) STANDARD PIPE LENGTHS (MINIMUM EIGHTEEN (18) TO TWENTY (20) FEET, SHALL BE USED FOR ALL HORIZONTAL AND VERTICAL DEFLECTIONS. PIPE LENGTHS LESS THAN STANDARD LENGTH SHALL BE APPROVED BY THE CITY ENGINEER.

12.) IN THE EVENT THAT THIS PROJECT INDICATES THAT MAINS WILL BE CONSTRUCTED WITHOUT THE PROTECTION OF AN OVERLAYING PAVEMENT, PLASTICIZED METALLIC LOCATING TAPE SHALL BE PLACED EIGHTEEN INCHES (18") ABOVE ALL SAID MAINS.

13.) CONTRACTOR TO PROVIDE 72-HOUR NOTIFICATION TO THE CITY DEPARTMENT OF PUBLIC WORKS PRIOR TO DISINFECTION.

14.) ALL PIPE FITTINGS 11-¼ DEGREE OR GREATER, TEES, CROSSES, DEAD ENDS AND REDUCERS/INCREASERS SHALL BE PROVIDED WITH BOTH THRUST BLOCKS AND RESTRAINED JOINT PIPE LENGTHS.

15.) ALL DUCTILE IRON PIPE, FITTINGS, AND APPURTENANCES WHICH WILL BE IN CONTACT WITH SOIL, INCLUDING FIRE HYDRANT RISERS, SHALL BE PROTECTED FROM CORROSION IN ACCORDANCE WITH THE FOLLOWING: 4-MIL HDCL POLYETHYLENE CONFORMING TO AWWA C105 STANDARD SHALL BE USED. TUBES OR SHEETS OF POLYETHYLENE SHALL BE USED TO ENCASE PIPES ,JOINTS AND FITTINGS AT TIME OF INSTALLATION. ONE FOOT OF OVERLAP, MINIMUM SHALL BE MEASURED INTO THE ENCASEMENT. POLYETHYLENE SHALL BE ADHERED WITH SUITABLE TAPE, AND TEARS OR DAMAGE TO THE ENCASEMENT SHALL BE REPAIRED WITH TAPE.

16.) CITY FORCES SHALL SECURE PIPE JOINTS ALONG PROJECT WHERE EXISTING PIPE WILL REMAIN.

PROJECT NOTES

1.) EXACT DEPTH AND LOCATION OF THE EXISTING WATER MAIN WAS UNDETERMINED- CONTRACTOR SHALL POTHOLE BEFORE START OF WORK. DEPENDING ON THE RESULTS OF THE WATER MAIN POTHOLE, THE DEPTH AND LOCATION OF THE NEW RECYCLED WATER MAIN MAY VARY AS THE REQUIRED SEPARATION FROM WATER IS A MINIMUM OF 4' HORIZONTAL AND 1' VERTICAL.

2.) MINIMUM SEWER/WATER SEPARATION IS 10' HORIZONTAL AND 1' VERTICAL.

NO.	DATE	DESCRIPTION

DATE: 7/28/2026
SCALE: N/A
DRAWN BY: KAP
DESIGNED BY: MRH
CHECKED BY: DLS

REGISTERED PROFESSIONAL ENGINEER
MARISA ROSE HENRY
C 91572
CIVIL
STATE OF CALIFORNIA

CALIFORNIA ENGINEERING COMPANY INC
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CITY OF COLUSA

NOTES

SANITARY SEWER & RECYCLED WATER PROJECT

PROJECT NUMBER 23-209

SHEET C-1.1 OF 42

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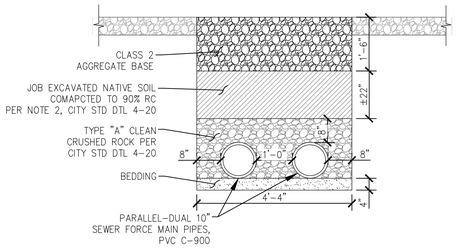
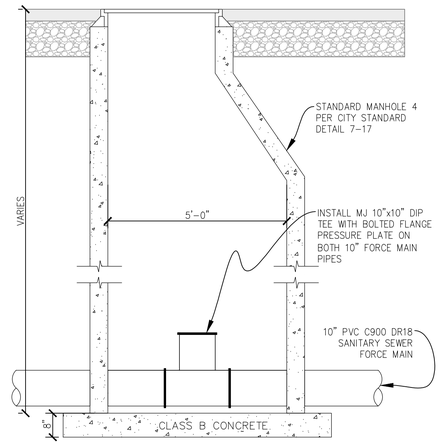
Y:\CEC Jobs\Projects\23-209 NexGen City of Colusa Sewer Main Line Design\Eng\Vmp\Plns\23-209 NexGen CoC_Sewer Main Line Design Imp Plans.dwg Jul 29, 2026-12:57 pm mjayne

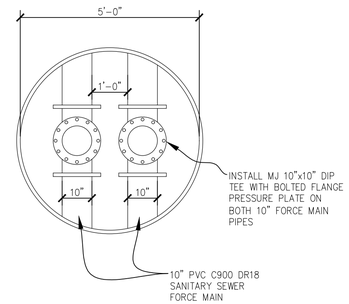


1 DUAL SEWER FORCE MAIN TRENCH DETAIL

SCALE: NTS



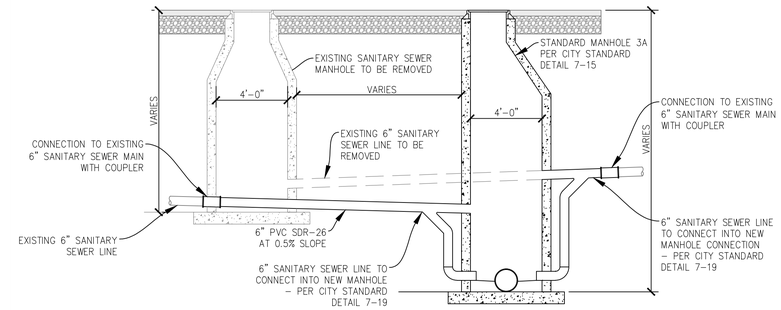
SECTION



PLAN

2 SANITARY SEWER FORCE MAIN MANHOLE DETAIL

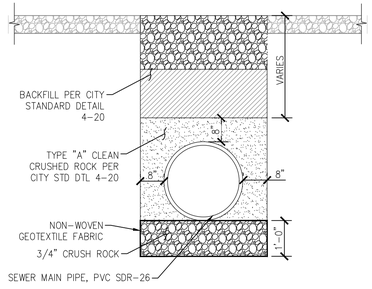
SCALE: NTS



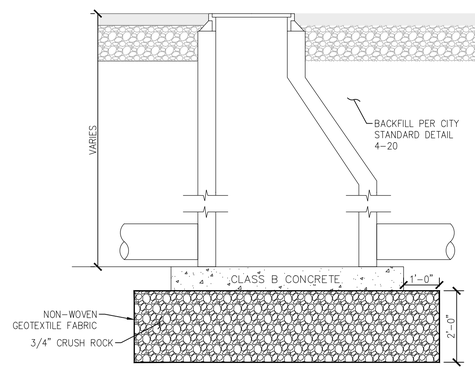
3 SEWER MAIN DISCONNECTION/RECONNECTION

SCALE: NTS

NOTE:
THE REMOVAL OF THE EXISTING SEWER MANHOLES AND PIPE ARE ACCOUNTED FOR IN THE DEMOLITION LINE ITEM. THE INSTALLATION OF THE NEW MANHOLE IS ACCOUNTED FOR UNDER THE 48" SANITARY SEWER MANHOLE LINE ITEM. THE INSTALLATION OF THE NEW PIPE FROM THE EXISTING IS ACCOUNTED FOR UNDER THE RESPECTIVE PIPE SIZE LINE ITEM.
CONTRACTOR TO PROVIDE BYPASS PLAN FOR DURING CONSTRUCTION



PIPE

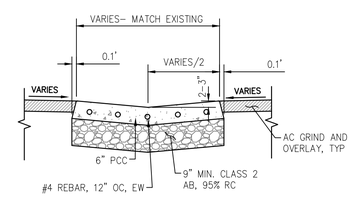


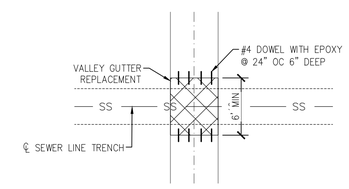
MANHOLE

4 DEWATERING TRENCH DETAIL

SCALE: NTS

NOTE:
CONTRACTOR TO INSTALL SMALL HP PUMP WITHIN TRENCH TO ADEQUATELY DEWATER. DISCHARGE TO AVAILABLE ADJACENT FACILITIES

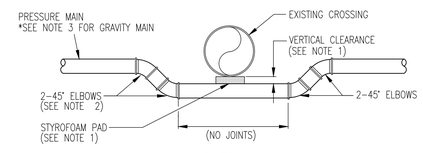




5 VALLEY GUTTER SECTION REPLACEMENT DETAIL

SCALE: NTS

NOTE:
WHEN REPLACING SECTION OF VALLEY GUTTER, CONTRACTOR SHALL DOWEL #4 REBAR 24" OC INTO EXISTING SECTION OF VALLEY GUTTER ON BOTH SIDES, EPOXIED FOUR TO SIX INCHES DEEP



LOWER MAIN

NOTES
1. STYROFOAM PAD SHALL BE 18" SQUARE X 4" THICK
   REQUIRED MINIMUM VERTICAL CLEARANCES:
   - RAISE MAIN:
     - VERTICAL CLEARANCE MUST BE A MINIMUM OF 4". IF ≤ 12", THEN CONTRACTOR SHALL CONSTRUCT MAIN OF DIP.
   - LOWER MAIN:
     - VERTICAL CLEARANCE MUST BE A MINIMUM OF 4". THE CONTRACTOR SHALL CONSTRUCT WATER OF DIP.
2. THRUST BLOCKS OR HARNESSES FOR RESTRAINING JOINTS NOT SHOWN.
3. FOR GRAVITY PIPE-INSTALL STYROFOAM PAD AND EXCLUDE 45° ELBOW BENDS

6 PIPE CROSSING WITH NARROW CLEARANCE DETAIL

SCALE: NTS

NO.	DATE	DESCRIPTION

DATE: 7/28/2026
SCALE:
DRAWN BY: KAP
DESIGNED BY: MRH
CHECKED BY: DLS

REGISTERED PROFESSIONAL ENGINEER
MARISA ROSE HENRY
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CIVIL
STATE OF CALIFORNIA

CALIFORNIA ENGINEERING COMPANY INC
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CITY OF COLUSA

PROJECT DETAILS

SANITARY SEWER & RECYCLED WATER PROJECT

PROJECT NUMBER 23-209

SHEET C-1.2 OF 42

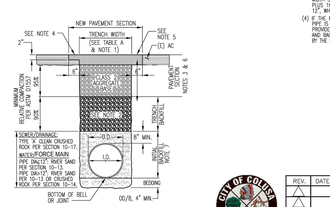
Y:\CEC Jobs\Projects\23-209 HexGen City of Colusa Sewer Main Line Design\Eng\MstrDwgs\23-209 Details.dwg Jul 29, 2026-12:57 pm mlpyne

NOTES:

1. EXCAVATION, BACKFILL AND RE-PAVING OF TRENCHES SHALL CONFORM TO THE TECHNICAL SPECIFICATIONS UNLESS OTHERWISE INDICATED BY THE PLANS, PERMIT, SPECIAL PROVISIONS, OR THE ENGINEER.
2. TRENCH BACKFILL SHALL CONSIST OF CLASS 2 AGGREGATE BASE (AB) OR JOB EXCAVATED, NATIVE SOIL NO ADDITIONAL COMPENSATION SHALL BE PAID FOR STOCKPILING, DRYING, WETTING OR PROCESSING THE NATIVE SOIL OR AB TO MEET THE MINIMUM STABILITY AND RELATIVE COMPACTION CRITERIA.
3. UNLESS OTHERWISE INDICATED IN THE SPECIAL PROVISIONS, THE NEW PERMANENT PAVEMENT SHALL CONFORM TO THE TYPE AND THICKNESS OF THE PAVEMENT REMOVED. IN NO CASE SHALL THE NEW PAVEMENT SECTION BE LESS THAN FOUR INCHES (4") OF AC ON TWELVE INCHES (12") OF CLASS 2 AGGREGATE BASE (AB).
4. EXISTING AC > 4" THICK: GRIND EXISTING AC 2" DEEP AND 8" WIDER THAN TRENCH ON BOTH SIDES. PLACE NEW AC.
5. EXISTING AC ≤ 4" THICK: SAW CUT AND PLACE NEW AC 6" WIDER THAN TRENCH AS SHOWN ON BOTH SIDES.
6. NON-PAVEMENT AREAS: IN NON-PAVEMENT AREAS, THE PAVEMENT SECTION SHALL BE REPLACED WITH JOB EXCAVATED NATIVE SOIL OR OTHER APPROVED BACKFILL COMPACTED TO AT LEAST 90% RELATIVE COMPACTION PER ASTM D1557.
7. SHOVEL SLICE, TAMP, AND/OR VIBRATE MATERIAL UNDER AND AROUND THE PIPE TO A FIRM NON-YIELDING CONDITION TO SATISFACTION OF THE ENGINEER.

TABLE A TRENCH WIDTHS			
PIPE TYPE	PIPE I.D.	MINIMUM DIMENSION	MAXIMUM DIMENSION(4)
RCDP	≤12"	PIPE O.D. + 12"	PIPE O.D. + 24"
	>12"	PIPE O.D. + 20 MIN.	PIPE O.D. + 30"
FLEXIBLE(2)	ALL	PER ASTM D2321 OR THE PIPE MANUFACTURER'S RECOMMENDATIONS, WHICHEVER IS GREATER.	

(1) RCDP: PIPE = RCP, VCP & DIP.
(2) FLEXIBLE PIPE = ALL PIPE OTHER THAN RCDP PIPE.
(3) ASTM D2321: STATES THAT THE MINIMUM TRENCH WIDTH SHALL BE EQUAL TO THE PIPE O.D., PLUS 16" OR THE PIPE O.D. TIMES 1.25 PLUS 12", WHICHEVER IS GREATER.
(4) IF THE MAXIMUM DIMENSION AT THE TOP OF THE PIPE IS EXCEEDED, CONTRACTOR SHALL PROVIDE STRENGTHENING OR IMPROVED BEDDING FOR THE PIPE, CONFORMING TO DESIGN BY THE ENGINEER, TO MEET THE NEW LOADING.



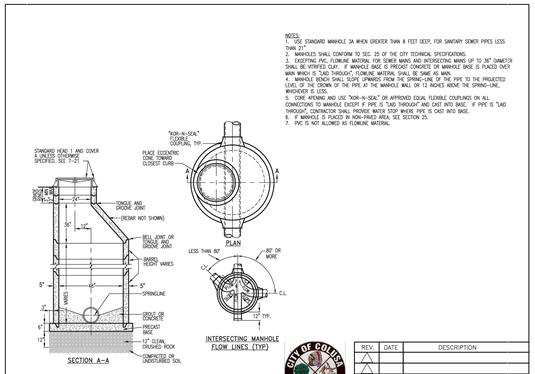
TYPICAL TRENCH SECTION

REV.	DATE	DESCRIPTION

CITY OF COLUSA
DEPARTMENT OF PUBLIC WORKS

TRENCH BACKFILL AND RESURFACING

APPR'D BY: DAVID L. SWARTZ PE, PLS, CITY ENGINEER — NO SCALE
DATE: OCTOBER 2024 DWG. NO. 4 - 20



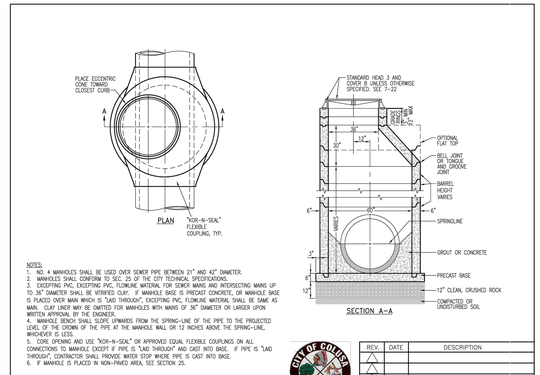
NOTES:
1. USE STANDARD MANHOLE 2A WHEN GREATER THAN 8 FEET DEEP, FOR SANITARY SEWER PIPES LESS THAN 21".
2. MANHOLES SHALL CONFORM TO SEC. 25 OF THE CITY TECHNICAL SPECIFICATIONS.
3. EXCEPTING PVC, FLOWLINE MATERIAL FOR SEWER MAINS AND INTERSECTING MAINS UP TO 36" DIAMETER SHALL BE VITRIFIED CLAY. IF MANHOLE BASE IS PRECAST CONCRETE, OR MANHOLE BASE IS PLACED OVER MAIN WHICH IS "LAID THROUGH", FLOWLINE MATERIAL SHALL BE SAME AS MAIN.
4. MANHOLE BENCH SHALL SLOPE UPWARDS FROM THE SPRING-LINE OF THE PIPE TO THE PROJECTED LEVEL OF THE CROWN OF THE PIPE AT THE MANHOLE WALL OR 12 INCHES ABOVE THE SPRING-LINE, WHICHEVER IS LESS.
5. CORE OPENING AND USE "KOR-N-SEAL" OR APPROVED EQUAL FLEXIBLE COUPLINGS ON ALL CONNECTIONS TO MANHOLE EXCEPT IF PIPE IS "LAID THROUGH" AND CAST INTO BASE. IF PIPE IS "LAID THROUGH", CONTRACTOR SHALL PROVIDE WATER STOP WHERE PIPE IS CAST INTO BASE.
6. IF MANHOLE IS PLACED IN NON-PAVED AREA, SEE SECTION 25.
7. PVC IS NOT ALLOWED AS FLOWLINE MATERIAL.

REV.	DATE	DESCRIPTION

CITY OF COLUSA
DEPARTMENT OF PUBLIC WORKS

STANDARD MANHOLE
No. 3A

APPR'D BY: DAVID L. SWARTZ PE, PLS, CITY ENGINEER — NO SCALE
DATE: OCTOBER 2024 DWG. NO. 7 - 15



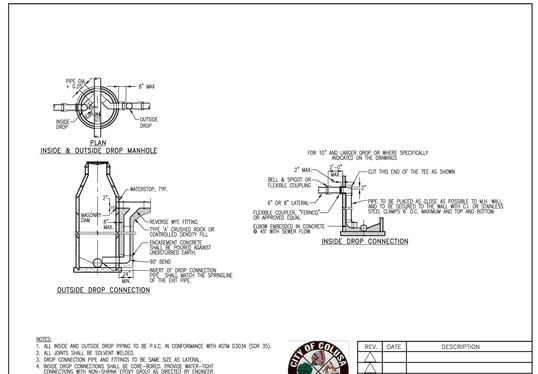
NOTES:
1. NO. 4 MANHOLES SHALL BE USED OVER SEWER PIPE BETWEEN 21" AND 42" DIAMETER.
2. MANHOLES SHALL CONFORM TO SEC. 25 OF THE CITY TECHNICAL SPECIFICATIONS.
3. EXCEPTING PVC, EXCEPTING PVC, FLOWLINE MATERIAL FOR SEWER MAINS AND INTERSECTING MAINS UP TO 36" DIAMETER SHALL BE VITRIFIED CLAY. IF MANHOLE BASE IS PRECAST CONCRETE, OR MANHOLE BASE IS PLACED OVER MAIN WHICH IS "LAID THROUGH", EXCEPTING PVC, FLOWLINE MATERIAL SHALL BE SAME AS MAIN. CLAY LINER MAY BE OMITTED FOR MANHOLES WITH MAINS OF 36" DIAMETER OR LARGER UPON WRITTEN APPROVAL BY THE ENGINEER.
4. MANHOLE BENCH SHALL SLOPE UPWARDS FROM THE SPRING-LINE OF THE PIPE TO THE PROJECTED LEVEL OF THE CROWN OF THE PIPE AT THE MANHOLE WALL OR 12 INCHES ABOVE THE SPRING-LINE, WHICHEVER IS LESS.
5. CORE OPENING AND USE "KOR-N-SEAL" OR APPROVED EQUAL FLEXIBLE COUPLINGS ON ALL CONNECTIONS TO MANHOLE EXCEPT IF PIPE IS "LAID THROUGH" AND CAST INTO BASE. IF PIPE IS "LAID THROUGH", CONTRACTOR SHALL PROVIDE WATER STOP WHERE PIPE IS CAST INTO BASE.
6. IF MANHOLE IS PLACED IN NON-PAVED AREA, SEE SECTION 25.

REV.	DATE	DESCRIPTION

CITY OF COLUSA
DEPARTMENT OF PUBLIC WORKS

STANDARD MANHOLE
No. 4

APPR'D BY: DAVID L. SWARTZ PE, PLS, CITY ENGINEER — NO SCALE
DATE: OCTOBER 2024 DWG. NO. 7 - 17



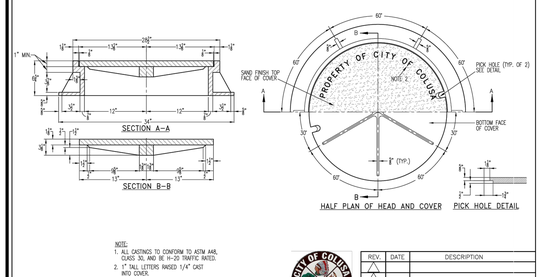
NOTES:
1. ALL INSIDE AND OUTSIDE DROP PIPING TO BE P.V.C. IN CONFORMANCE WITH ASTM D3034 (SDR 35).
2. ALL JOINTS SHALL BE SOLVENT WELDED.
3. DROP CONNECTION PIPE AND FITTINGS TO BE SAME SIZE AS LATERAL.
4. INSIDE DROP CONNECTIONS SHALL BE CORE-BORED. PROVIDE WATER-TIGHT CONNECTIONS WITH NON-SHRINK EPOXY GROUT AS DIRECTED BY ENGINEER.
5. PIPE JOINTS SHALL BE BELL & SPIGOT OR FLEXIBLE COUPLERS SUCH AS "FERNCO" OR APPROVED EQUAL.

REV.	DATE	DESCRIPTION

CITY OF COLUSA
DEPARTMENT OF PUBLIC WORKS

INSIDE/OUTSIDE DROP
CONNECTION FOR MAIN LINES > 6"

APPR'D BY: DAVID L. SWARTZ PE, PLS, CITY ENGINEER — NO SCALE
DATE: OCTOBER 2024 DWG. NO. 7 - 19



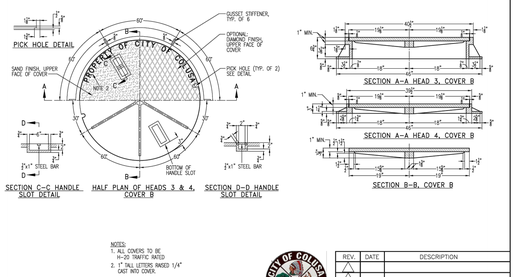
NOTE:
1. ALL CASTINGS TO CONFORM TO ASTM A48, CLASS 30, AND BE H-20 TRAFFIC RATED.
2. 1" TALL LETTERS RAISED 1/4" CAST INTO COVER.

REV.	DATE	DESCRIPTION

CITY OF COLUSA
DEPARTMENT OF PUBLIC WORKS

STANDARD MANHOLE
HEAD 1, COVER A

APPR'D BY: DAVID L. SWARTZ PE, PLS, CITY ENGINEER — NO SCALE
DATE: OCTOBER 2024 DWG. NO. 7 - 21



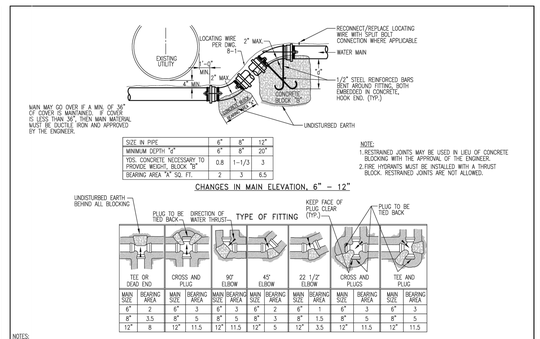
NOTES:
1. ALL COVERS TO BE H-20 TRAFFIC RATED
2. 1" TALL LETTERS RAISED 1/4" CAST INTO COVER.

REV.	DATE	DESCRIPTION

CITY OF COLUSA
DEPARTMENT OF PUBLIC WORKS

STANDARD MANHOLE
HEADS 3 & 4, COVER B

APPR'D BY: DAVID L. SWARTZ PE, PLS, CITY ENGINEER — NO SCALE
DATE: OCTOBER 2024 DWG. NO. 7 - 22



SIZE IN PIPE	6"	8"	12"
MINIMUM DEPTH "d"	6"	8"	20"
YDS. CONCRETE NECESSARY TO PROVIDE WEIGHT, BLOCK "B"	0.8	1-1/3	3
BEARING AREA "A" SQ. FT.	2	3	6.5

MAIN SIZE	BEARING AREA	MAIN SIZE	BEARING AREA	MAIN SIZE	BEARING AREA	MAIN SIZE	BEARING AREA	MAIN SIZE	BEARING AREA	MAIN SIZE	BEARING AREA	MAIN SIZE	BEARING AREA
6"	2	6"	3	6"	3	6"	2	6"	1	6"	3	6"	3
8"	3.5	8"	5	8"	5	8"	3	8"	1.5	8"	5	8"	5
12"	8	12"	11.5	12"	11.5	12"	5	12"	3.5	12"	11.5	12"	11.5

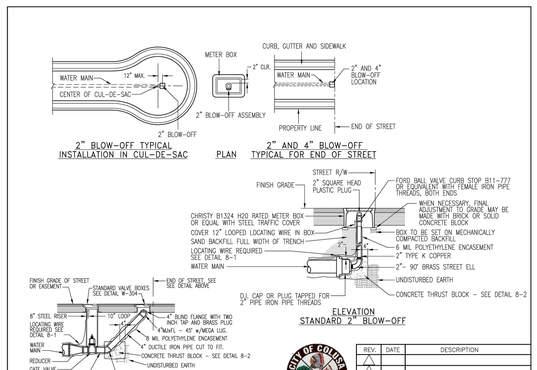
NOTES:
1. ABOVE BEARING AREAS BASED ON 150 PSI SERVICE PRESSURE AND 2000 PSF SOIL BEARING CAPACITY. WHERE SOIL CONDITIONS REQUIRE ADJUSTMENT OF ALLOWABLE BEARING PRESSURE, IN THE OPINION OF THE ENGINEER, REQUIRED BLOCKING AREAS WILL BE ADJUSTED.
2. USE CLASS "B" CONCRETE FOR BLOCKING. SEE TECH. SPECS.
3. VERTICAL CHANGES IN DIRECTION REQUIRE BLOCKING AS SHOWN ABOVE.
4. CONCRETE THRUST BLOCKING SHALL NOT COMPLETELY INUNDATE FITTING.
5. RESTRAINED JOINTS MAY BE USED IN LIEU OF CONCRETE BLOCKING WITH THE APPROVAL OF THE ENGINEER.
6. MAINTAIN 4" MINIMUM CLEARANCE BETWEEN NEW MAIN AND EXISTING UTILITY EXCEPT FOR GAS MAINTAIN 1'-0" CLEARANCE SEE 8-5.

REV.	DATE	DESCRIPTION

CITY OF COLUSA
DEPARTMENT OF PUBLIC WORKS

CHANGES IN MAIN ELEVATION & THRUST BLOCKING FOR WATER MAINS

APPR'D BY: DAVID L. SWARTZ PE, PLS, CITY ENGINEER — NO SCALE
DATE: OCTOBER 2024 DWG. NO. 8 - 2



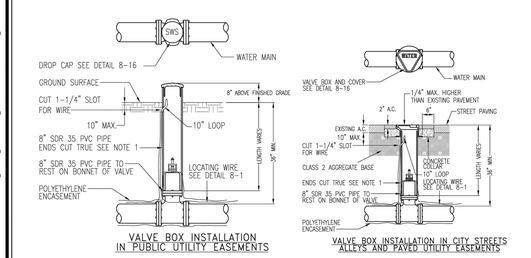
NOTES:
1. MAINTAIN A SLOPE UPWARD FROM CORP. STOP TO AIR VALVE. (NO TRAPS)
2. 6 MIL POLYETHYLENE ENCASEMENT WITH 10 MIL TAPE IS REQUIRED FOR ALL UNDERGROUND COPPER TUBING.
3. 3/34"x4" POLYETHYLENE FOAM WRAP REQUIRED THREE WRAPS AROUND THE PIPE.
4. PIPE AND FITTINGS BETWEEN WATER MAIN AND ARV SHALL BE COPPER AND BRASS ONLY.
5. VAULT SHALL BE JENSEN PRE-CAST DESIGN, OR APPROVED EQUAL. WHEN VAULT IS WITHIN VEHICULAR TRAFFICKED RIGHT-OF-WAY, LID SHALL BE A REMOVABLE TOP SLAB WITH A 30" DIAMETER RING & COVER (WITH A MIN. OF 4-1/2" DIAMETER EVENLY SPACED VENT HOLES) AND A DIAMOND PLATE SURFACE. WHEN VAULT IS WITHIN AREAS WITHOUT VEHICULAR TRAFFIC, LID SHALL BE TORSION SPRING ASSISTED DOORS WITH A SLIP RESISTANT TEXTURED SURFACE.
6. VAULT SHALL HAVE AN INTERIOR DEPTH OF 48", AN INTERIOR WIDTH OF 48", AND A MINIMUM LENGTH OF 48".

REV.	DATE	DESCRIPTION

CITY OF COLUSA
DEPARTMENT OF PUBLIC WORKS

STANDARD 2-INCH AND 4-INCH BLOW-OFF

APPR'D BY: DAVID L. SWARTZ PE, PLS, CITY ENGINEER — NO SCALE
DATE: OCTOBER 2024 DWG. NO. 8 - 13



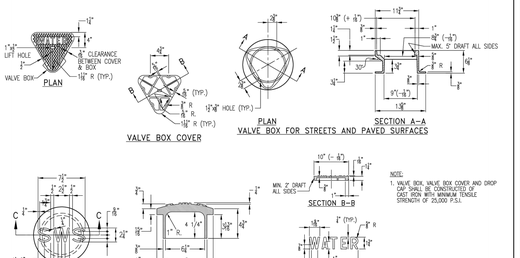
NOTE:
1. ONE (1) CONTINUOUS PIECE
2. NUT EXTENSION REQUIRED WHEN VALVE NUT IS IN EXCESS OF 30" BELOW FINISH GRADE. SEE 8-19

REV.	DATE	DESCRIPTION

CITY OF COLUSA
DEPARTMENT OF PUBLIC WORKS

STANDARD VALVE BOX INSTALLATION FOR CITY STREETS, ALLEY & EASEMENTS

APPR'D BY: DAVID L. SWARTZ PE, PLS, CITY ENGINEER — NO SCALE
DATE: OCTOBER 2024 DWG. NO. 8 - 15



NOTE:
1. VALVE BOX, VALVE BOX COVER AND DROP CAP SHALL BE CONSTRUCTED OF CAST IRON WITH MINIMUM TENSILE STRENGTH OF 20,000 P.S.I.

REV.	DATE	DESCRIPTION

CITY OF COLUSA
DEPARTMENT OF PUBLIC WORKS

STANDARD VALVE BOX AND DROP CAP

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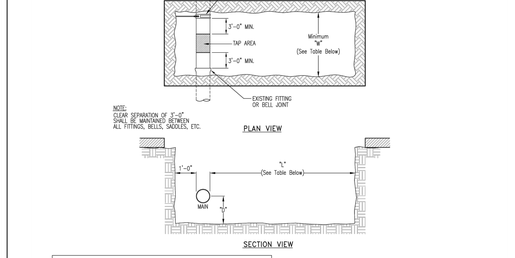
DATE: OCTOBER 2024 DWG. NO. 8 - 16



NOTE:
CLEAR SEPARATION OF 3'-0" SHALL BE MAINTAINED BETWEEN ALL FITTINGS, BELLS, SADDLES, ETC.

TAP EXCAVATION REQUIREMENTS				
MAIN SIZE	TAP SIZE	DIMENSION "W"	DIMENSION "L"	DEPTH "D"
	1"–2"	2'–0"	0'–0"	
≤ 12"	4"–6"	3'–0"	6'–0"	1'–6"
	8"–12"	5'–0"	9'–0"	
> 12"	12"	7'–0"	9'–0"	4'–0"

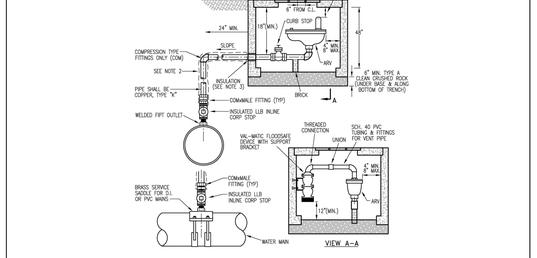
NOTE:
CONTRACTOR SHALL ENSURE TRENCH SAFETY AND TRAFFIC CONTROL.

REV.	DATE	DESCRIPTION

CITY OF COLUSA
DEPARTMENT OF PUBLIC WORKS

TAP EXCAVATION REQUIREMENTS

APPR'D BY: DAVID L. SWARTZ PE, PLS, CITY ENGINEER — NO SCALE
DATE: OCTOBER 2024 DWG. NO. 8 - 24



NOTES:
1. MAINTAIN A SLOPE UPWARD FROM CORP. STOP TO AIR VALVE. (NO TRAPS)
2. 6 MIL POLYETHYLENE ENCASEMENT WITH 10 MIL TAPE IS REQUIRED FOR ALL UNDERGROUND COPPER TUBING.
3. 3/34"x4" POLYETHYLENE FOAM WRAP REQUIRED THREE WRAPS AROUND THE PIPE.
4. PIPE AND FITTINGS BETWEEN WATER MAIN AND ARV SHALL BE COPPER AND BRASS ONLY.
5. VAULT SHALL BE JENSEN PRE-CAST DESIGN, OR APPROVED EQUAL. WHEN VAULT IS WITHIN VEHICULAR TRAFFICKED RIGHT-OF-WAY, LID SHALL BE A REMOVABLE TOP SLAB WITH A 30" DIAMETER RING & COVER (WITH A MIN. OF 4-1/2" DIAMETER EVENLY SPACED VENT HOLES) AND A DIAMOND PLATE SURFACE. WHEN VAULT IS WITHIN AREAS WITHOUT VEHICULAR TRAFFIC, LID SHALL BE TORSION SPRING ASSISTED DOORS WITH A SLIP RESISTANT TEXTURED SURFACE.
6. VAULT SHALL HAVE AN INTERIOR DEPTH OF 48", AN INTERIOR WIDTH OF 48", AND A MINIMUM LENGTH OF 48".

REV.	DATE	DESCRIPTION

CITY OF COLUSA
DEPARTMENT OF PUBLIC WORKS

1 & 2 INCH AIR VACUUM AND AIR RELEASE VALVE UNDERGROUND INSTALLATION(VAULT)

APPR'D BY: DAVID L. SWARTZ PE, PLS, CITY ENGINEER — NO SCALE
DATE: OCTOBER 2024 DWG. NO. 8 - 45

NO.	DATE	DESCRIPTION

DATE: 7/28/2026
SCALE:
DRAWN BY: KAP
DESIGNED BY: MRH
CHECKED BY: DLS

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CITY OF COLUSA

CITY STANDARD DETAILS

SANITARY SEWER & RECYCLED WATER PROJECT

PROJECT NUMBER 23-209

SHEET C-1.3 OF 42

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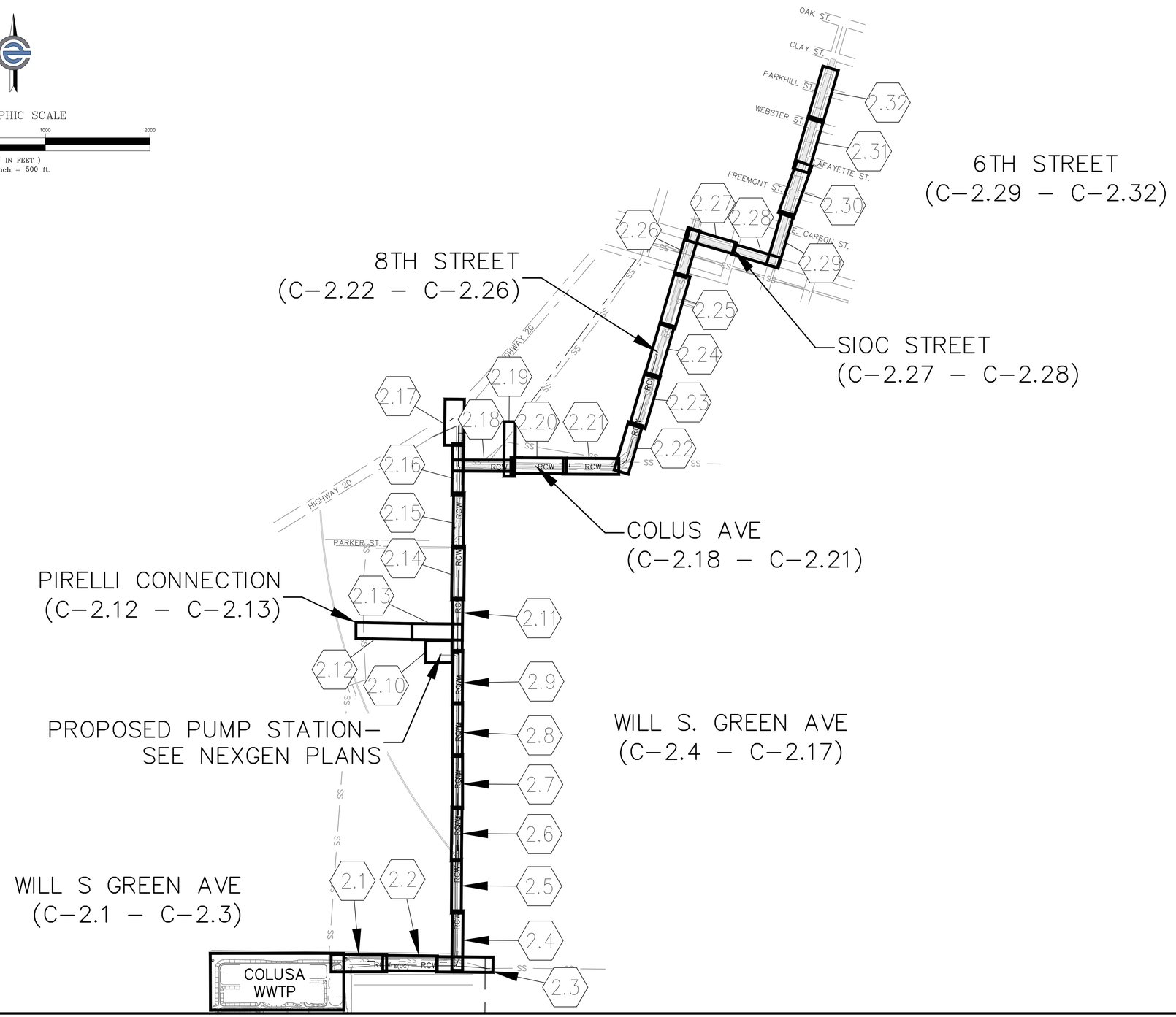
Y:\CEC Jobs\Projects\23-209 NexGen City of Colusa Sewer Main Line Design\Eng\Mstr\Dwgs\23-209 Details.dwg Jul 29, 2026-12:57 pm mjoyne

GRAPHIC SCALE

500 0 250 500 1000 2000

(IN FEET)
1 inch = 500 ft.



NO.	DATE	DESCRIPTION

DATE: 7/28/2026
SCALE: 1" = 500'
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CITY OF COLUSA

SHEET INDEX

SANITARY SEWER & RECYCLED WATER PROJECT

PROJECT NUMBER
23-209

SHEET
C-2.0 OF 42

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CONSTRUCTION NOTES (C)

2 60" SANITARY SEWER MANHOLE PER CITY STANDARD DETAIL 7-17 & 7-22 & DETAIL 4 SHEET C-1.2 AS NECESSARY

4 PVC SDR-26 SANITARY SEWER PIPE PER CITY STANDARD DETAIL 4-20: NON PAVEMENT AREAS & DETAIL 4 SHEET C-1.2 AS NECESSARY

8 PURPLE PVC C900 DR18 RECYCLED WATER FORCE MAIN PER CITY STANDARD DETAIL 4-20

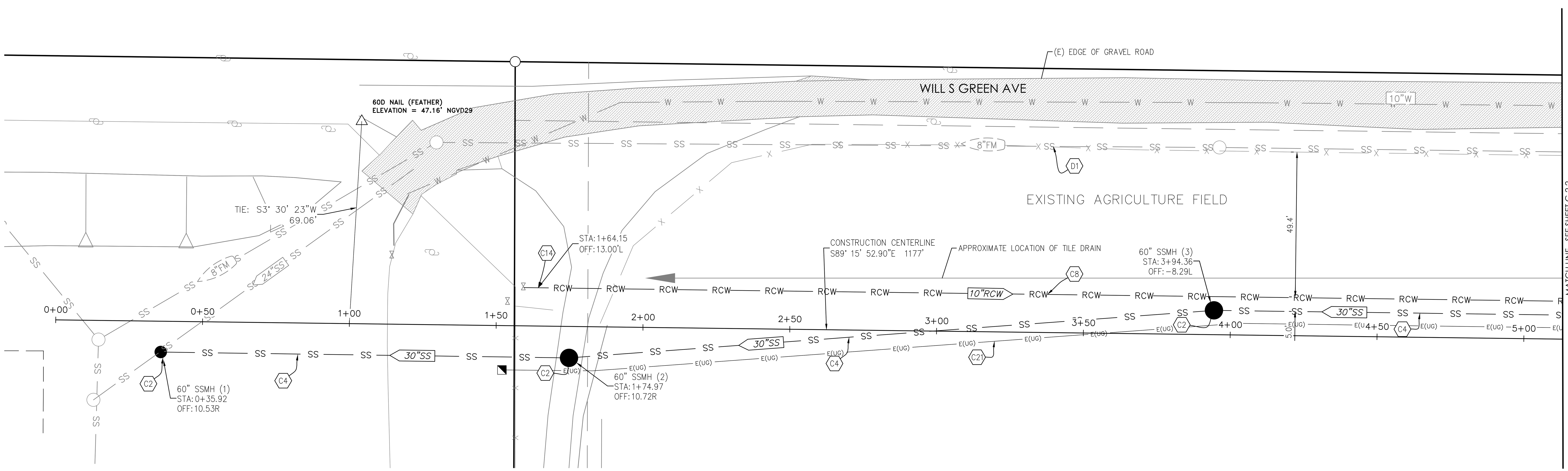
14 CONNECTION TO RECYCLED WATER MAIN AT WWTP- SEE NEXGEN PLANS

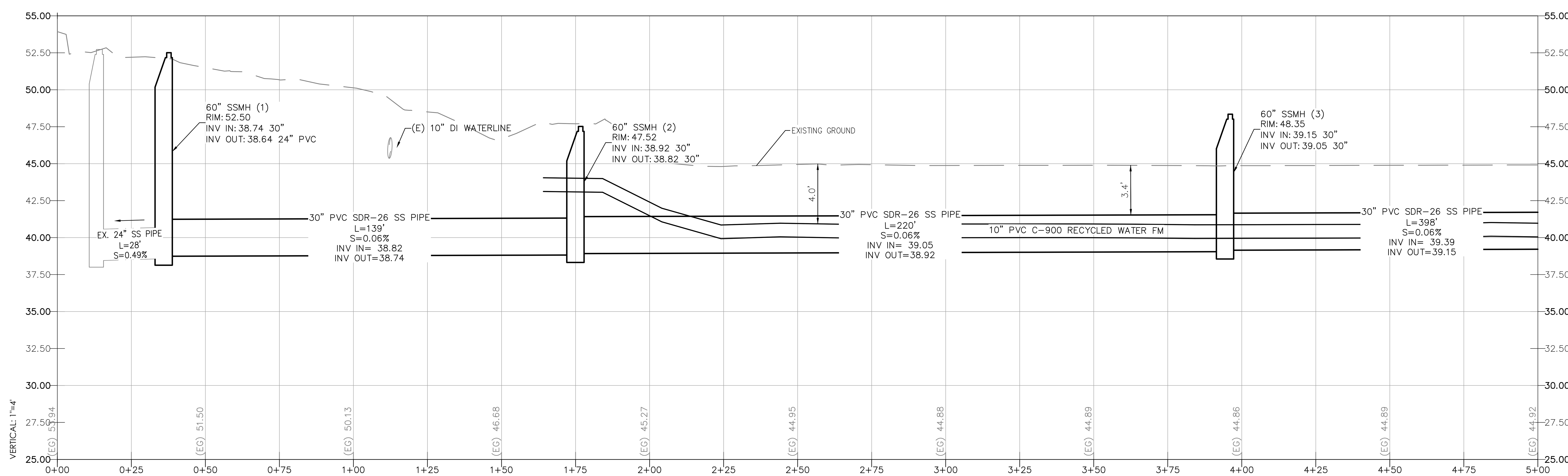
21 UNDERGROUND ELECTRICAL- SEE COMMUNICATION PLAN SHEET C-4.1

DEMOLITION NOTES (D)

1 ABANDON IN PLACE EXISTING SEWER INFRASTRUCTURE

1 inch = 20 ft.





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SANITARY SEWER & RECYCLED WATER PROJECT

PROJECT NUMBER 23-209

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C CONSTRUCTION NOTES

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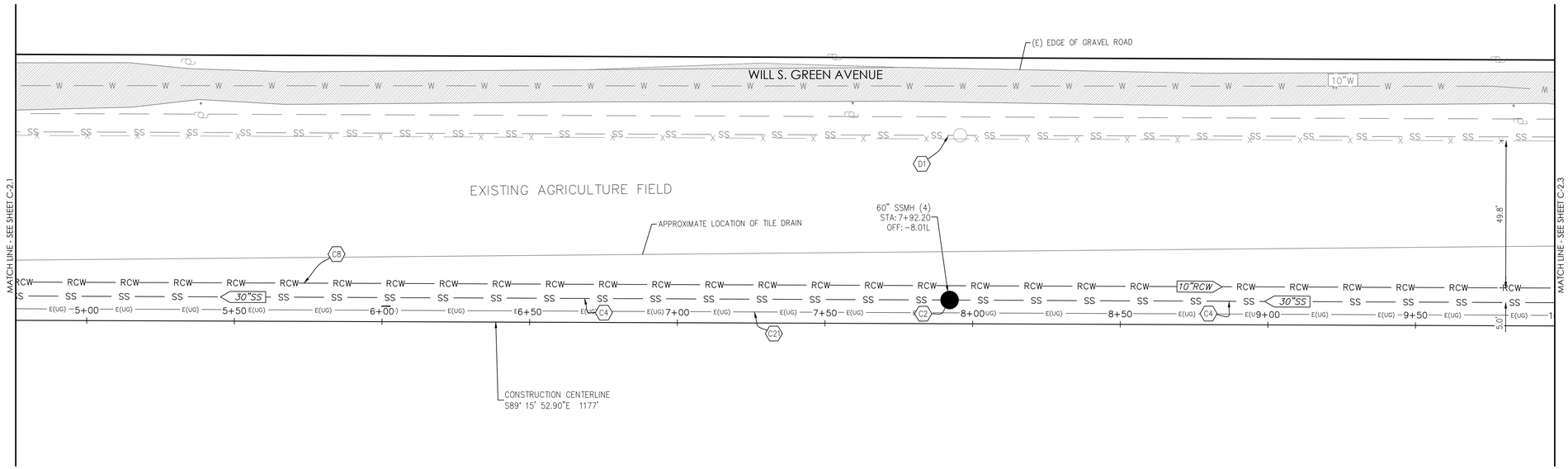
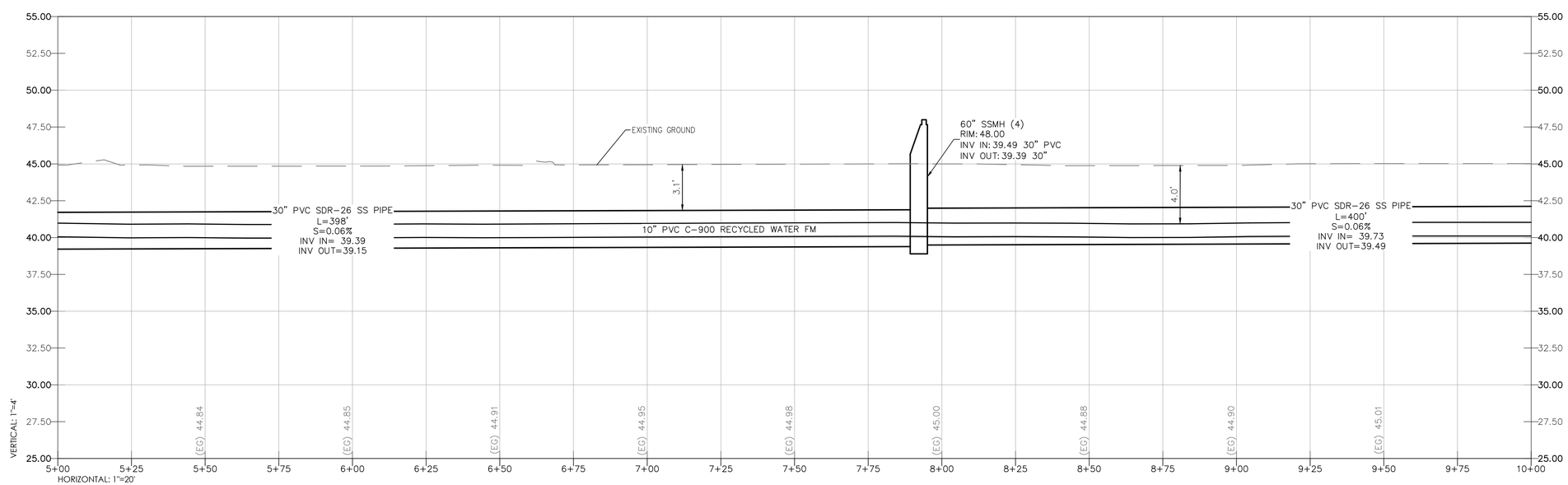
21 UNDERGROUND ELECTRICAL- SEE COMMUNICATION PLAN SHEET C-4.1

D DEMOLITION NOTES

1 ABANDON IN PLACE EXISTING SEWER INFRASTRUCTURE

1 inch = 20 ft.





NO.	DATE	DESCRIPTION

DATE: 7/28/2026
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C — CONSTRUCTION NOTES

2 60" SANITARY SEWER MANHOLE PER CITY STANDARD DETAIL 7-17 & 7-22 & DETAIL 4 SHEET C-1.2 AS NECESSARY
3 OUTSIDE DROP MANHOLE CONNECTION PER CITY STANDARD DETAIL 7-19
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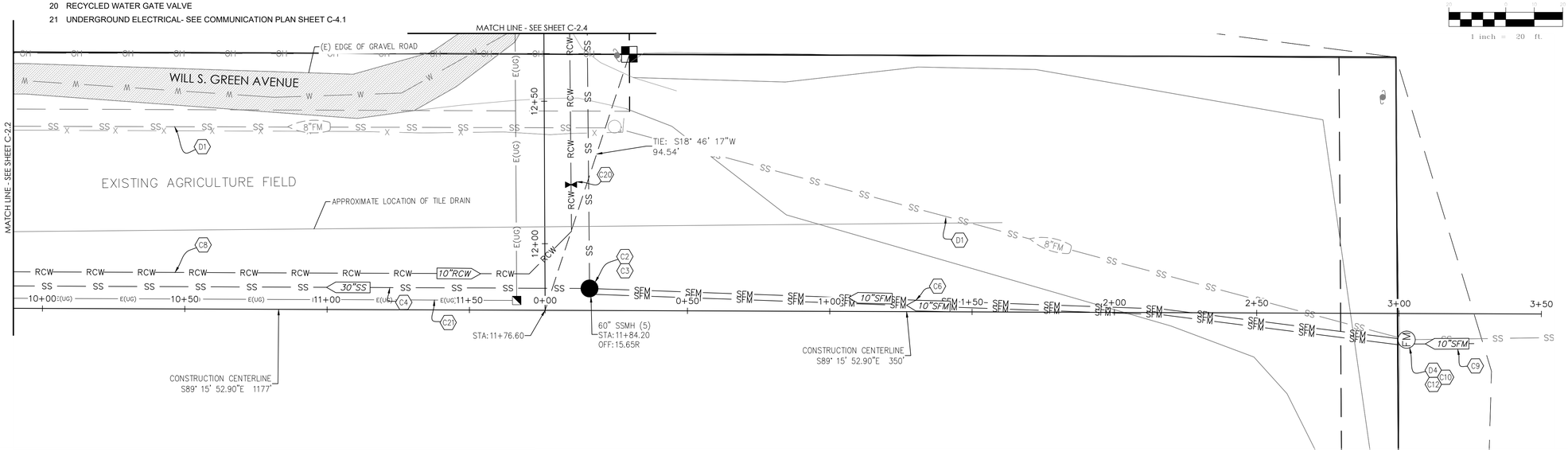
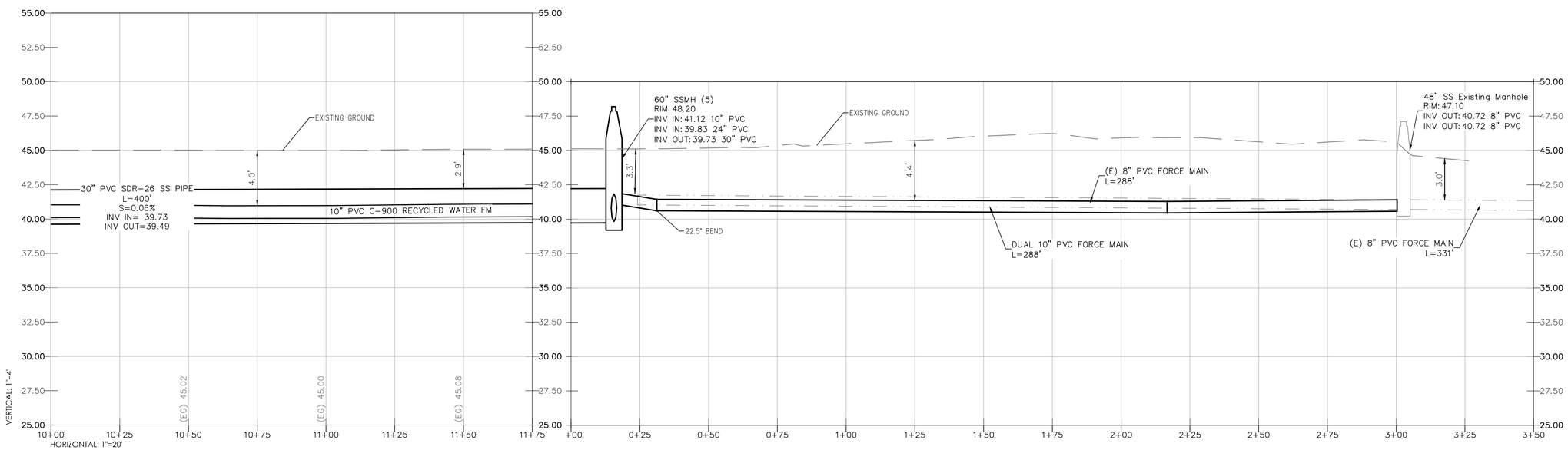
6 DUAL PVC C900 DR18 SANITARY SEWER FORCE MAIN PER CITY STANDARD DETAIL 4-20 AND DETAIL 1 SHEET C-1.2
8 PURPLE PVC C900 DR18 RECYCLED WATER FORCE MAIN PER CITY STANDARD DETAIL 4-20
9 CAP ON END ON SEWER PIPE FOR FUTURE CONNECTION
10 CONNECT EXISTING FORCE MAIN TO NEW FORCE MAIN WITH COUPLER
12 SEWER FORCE MAIN IN-LINE CLEANOUT PER DETAIL 2 SHEET C-1.2
20 RECYCLED WATER GATE VALVE
21 UNDERGROUND ELECTRICAL- SEE COMMUNICATION PLAN SHEET C-4.1

D — DEMOLITION

1 ABANDON IN PLACE EXISTING SEWER INFRASTRUCTURE
4 DEMOLISH EXISTING FORCE MAIN MANHOLE





NO.	DATE	DESCRIPTION

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STA: 0+00 TO 3+25
SANITARY SEWER & RECYCLED WATER PROJECT

PROJECT NUMBER **23-209**

SHEET **C-2.3** OF **42**

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CONSTRUCTION NOTES

2 60" SANITARY SEWER MANHOLE PER CITY STANDARD DETAIL 7-17 & 7-22 & DETAIL 4 SHEET C-1.2 AS NECESSARY

4 PVC SDR-26 SANITARY SEWER PIPE PER CITY STANDARD DETAIL 4-20 & DETAIL 4 SHEET C-1.2 AS NECESSARY

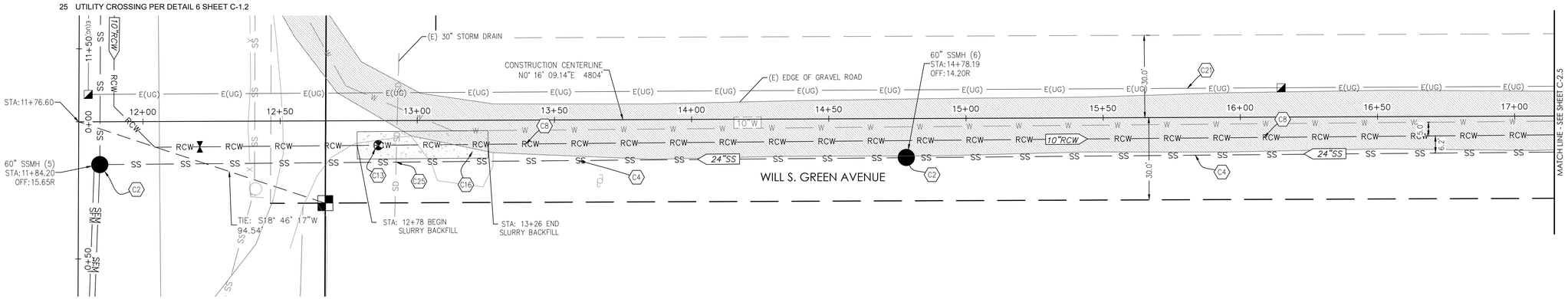
8 PURPLE PVC C900 DR18 RECYCLED WATER FORCE MAIN PER CITY STANDARD DETAIL 4-20

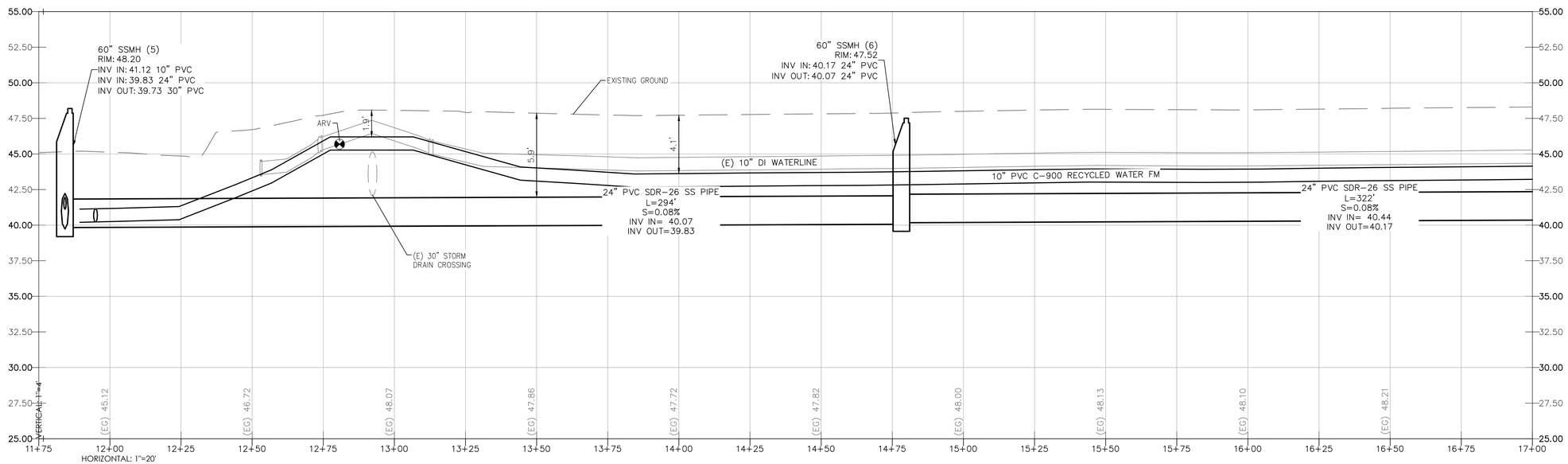
13 RECYCLED WATER AIR RELEASE VALVE PER CITY STANDARD DETAIL 8-45

16 SLURRY CEMENT BACKFILL LIMITS

21 UNDERGROUND ELECTRICAL- SEE COMMUNICATION PLAN SHEET C-4.1

25 UTILITY CROSSING PER DETAIL 6 SHEET C-1.2





NO.	DATE	DESCRIPTION

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SANITARY SEWER & RECYCLED WATER PROJECT

PROJECT NUMBER
23-209

SHEET
C-2.4 OF 42

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(P) PAVING NOTES

2 ROAD PROFILE ADJUSTMENT: STA 20+88 TO 23+44, PLACE 15" CLASS II AGGREGATE BASE

(C) CONSTRUCTION NOTES

2 60" SANITARY SEWER MANHOLE PER CITY STANDARD DETAIL 7-17 & 7-22 & DETAIL 4 SHEET C-1.2 AS NECESSARY

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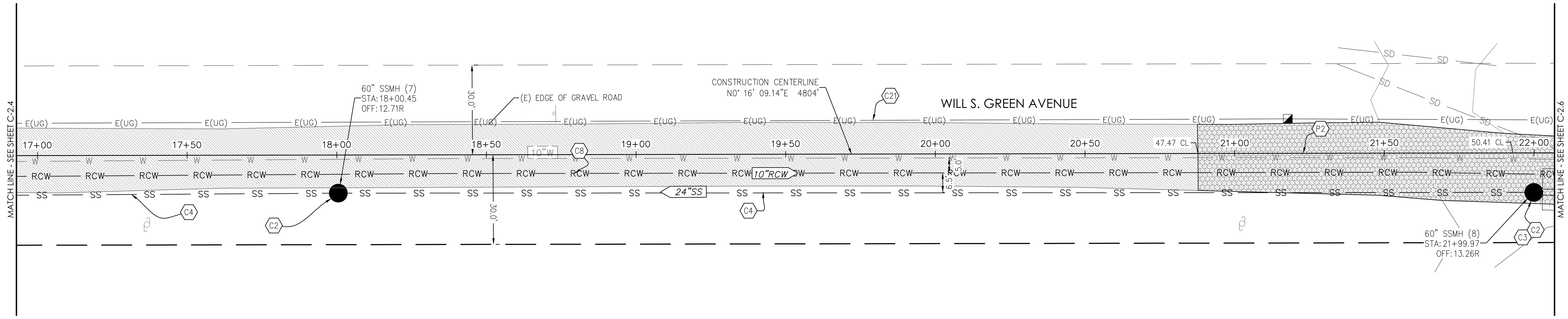
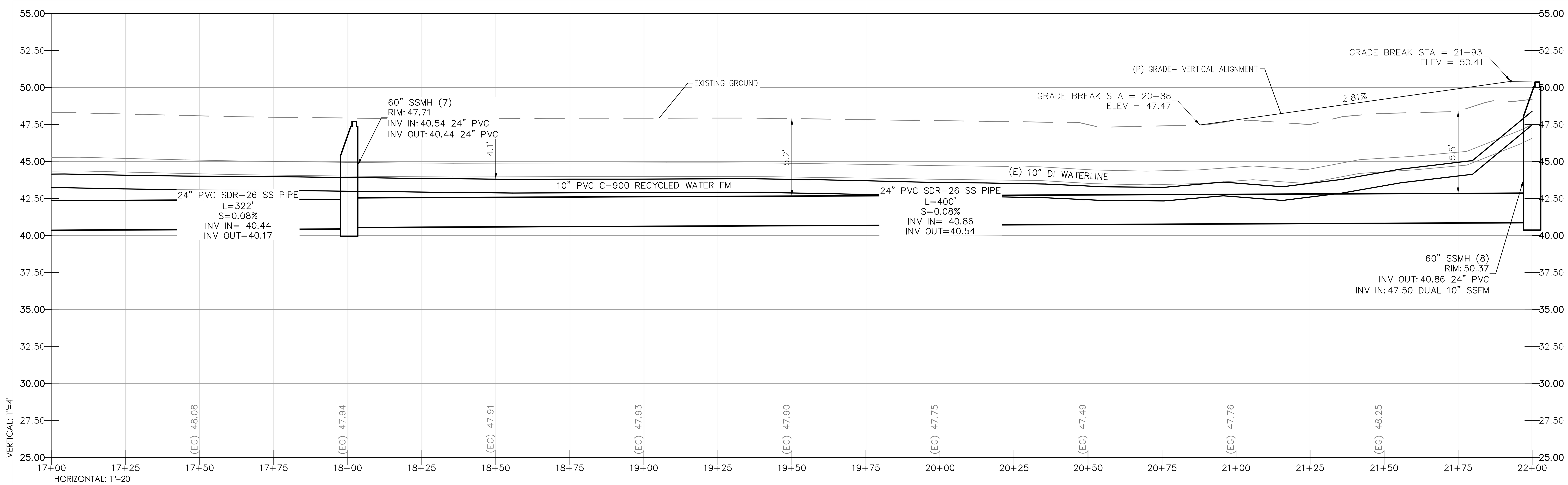
21 UNDERGROUND ELECTRICAL- SEE COMMUNICATION PLAN SHEET C-4.1

1 inch = 20 ft.





NO.	DATE	DESCRIPTION

DATE: 7/28/2026
SCALE: 1" = 20'
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DESIGNED BY: MRH
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SANITARY SEWER & RECYCLED WATER PROJECT

PROJECT NUMBER 23-209

SHEET C-2.5 OF 42

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(P) PAVING NOTES

2 ROAD PROFILE ADJUSTMENT: STA 20+88 TO 23+44, PLACE 15" CLASS II AGGREGATE BASE

(C) CONSTRUCTION NOTES

2 60" SANITARY SEWER MANHOLE PER CITY STANDARD DETAIL 7-17 & 7-22 & DETAIL 4 SHEET C-1.2 AS NECESSARY

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6 DUAL PVC C900 DR18 SANITARY SEWER FORCE MAIN PER CITY STANDARD DETAIL 4-20 AND DETAIL 1 SHEET C-1.2

8 PURPLE PVC C900 DR18 RECYCLED WATER FORCE MAIN PER CITY STANDARD DETAIL 4-20

12 SEWER FORCE MAIN IN-LINE CLEANOUT PER DETAIL 2 SHEET C-1.2

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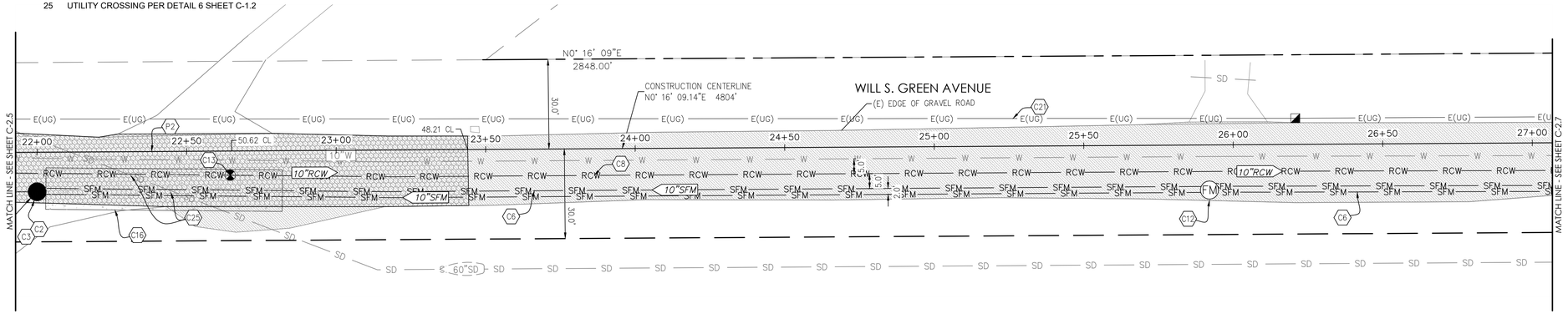
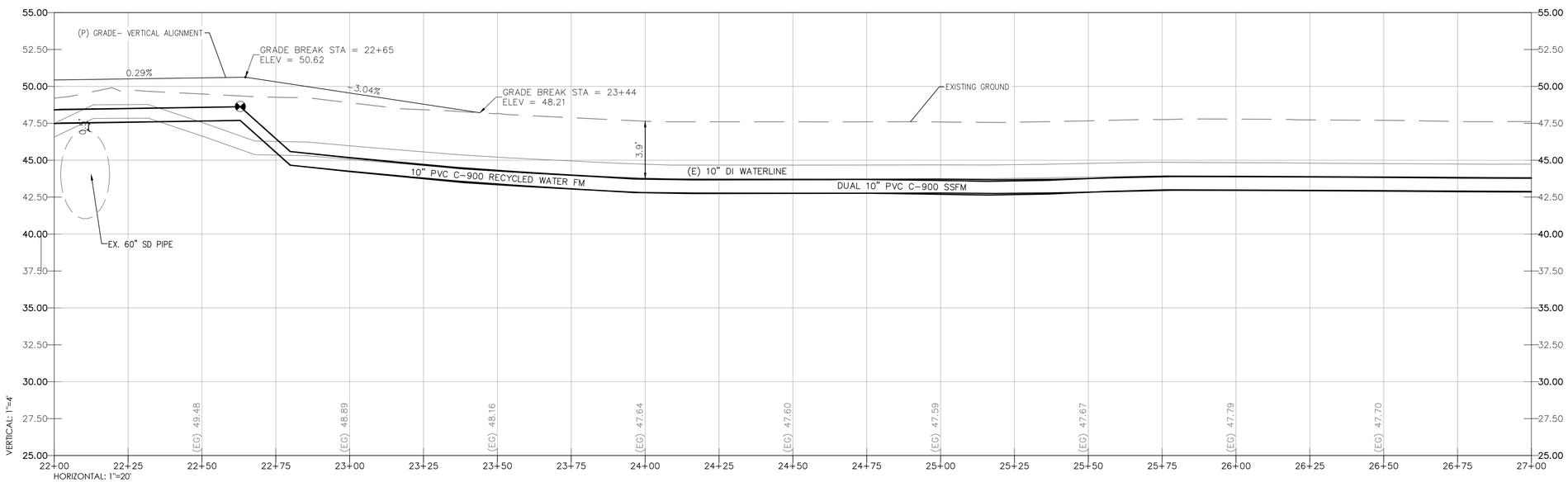
16 SLURRY CEMENT BACKFILL LIMITS

21 UNDERGROUND ELECTRICAL- SEE COMMUNICATION PLAN SHEET C-4.1

25 UTILITY CROSSING PER DETAIL 6 SHEET C-1.2

1 inch = 20 ft.





NO.	DATE	DESCRIPTION

DATE: 7/28/2026
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DESIGNED BY: MRH
CHECKED BY: DLS

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SANITARY SEWER & RECYCLED WATER PROJECT

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CONSTRUCTION NOTES

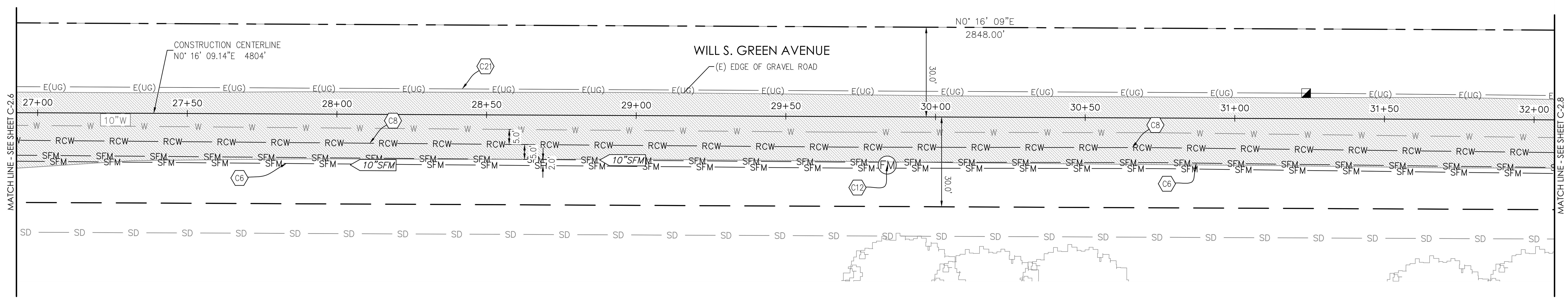
6 DUAL PVC C900 DR18 SANITARY SEWER FORCE MAIN PER CITY STANDARD DETAIL 4-20 AND DETAIL 1 SHEET C-1.2

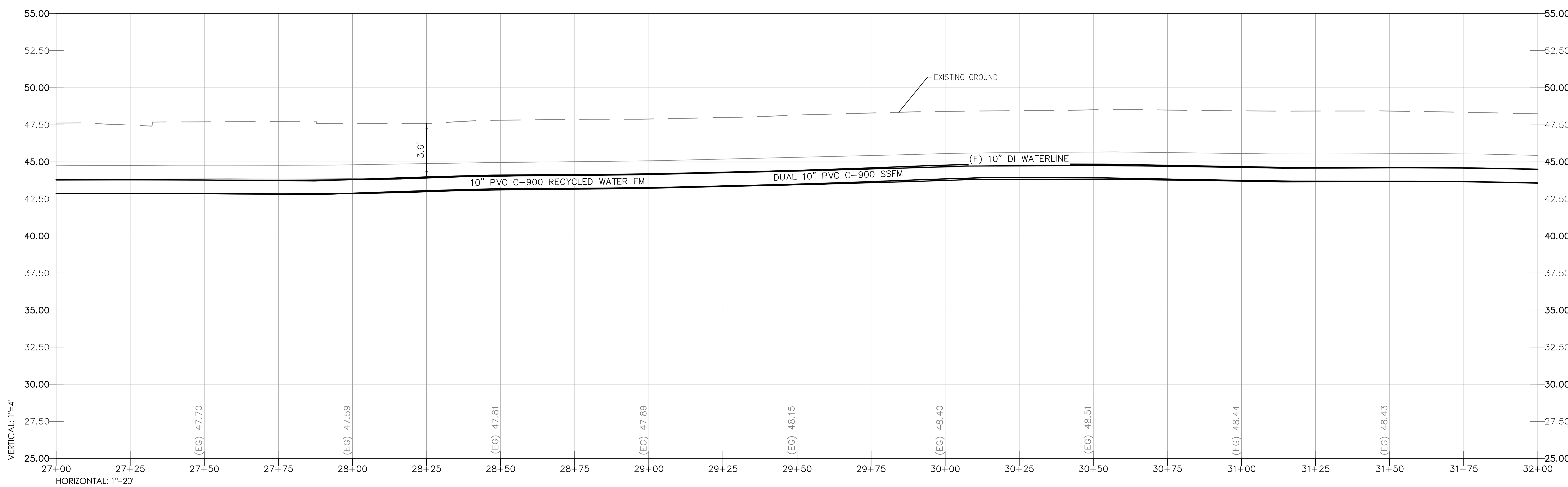
8 PURPLE PVC C900 DR18 RECYCLED WATER FORCE MAIN PER CITY STANDARD DETAIL 4-20

12 SEWER FORCE MAIN IN-LINE CLEANOUT PER DETAIL 2 SHEET C-1.2

21 UNDERGROUND ELECTRICAL- SEE COMMUNICATION PLAN SHEET C-4.1

1 inch = 20 ft.





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DATE: 7/28/2026
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CITY OF COLUSA

WILL S. GREEN AVE
STA: 27+00 TO 32+00

SANITARY SEWER & RECYCLED WATER PROJECT

PROJECT NUMBER 23-209

SHEET C-2.7 OF 42

CONSTRUCTION NOTES

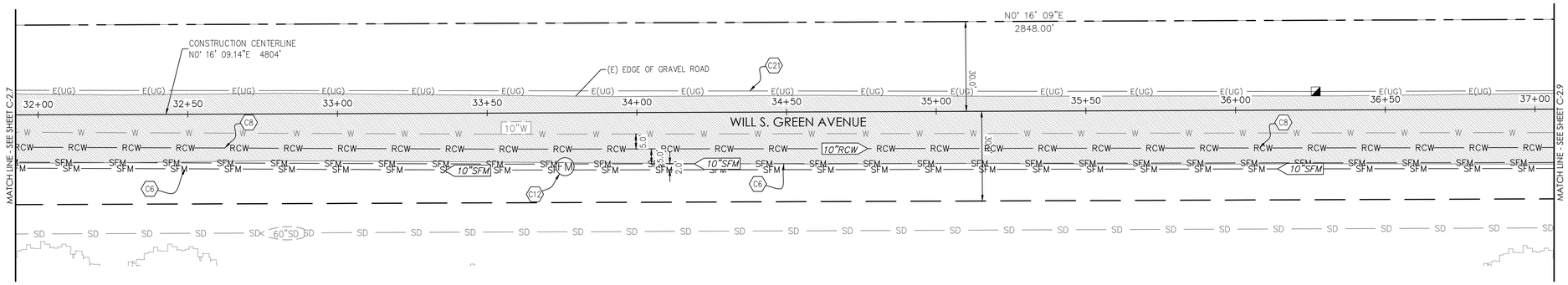
6 DUAL PVC C900 DR18 SANITARY SEWER FORCE MAIN PER CITY STANDARD DETAIL 4-20 AND DETAIL 1 SHEET C-1.2

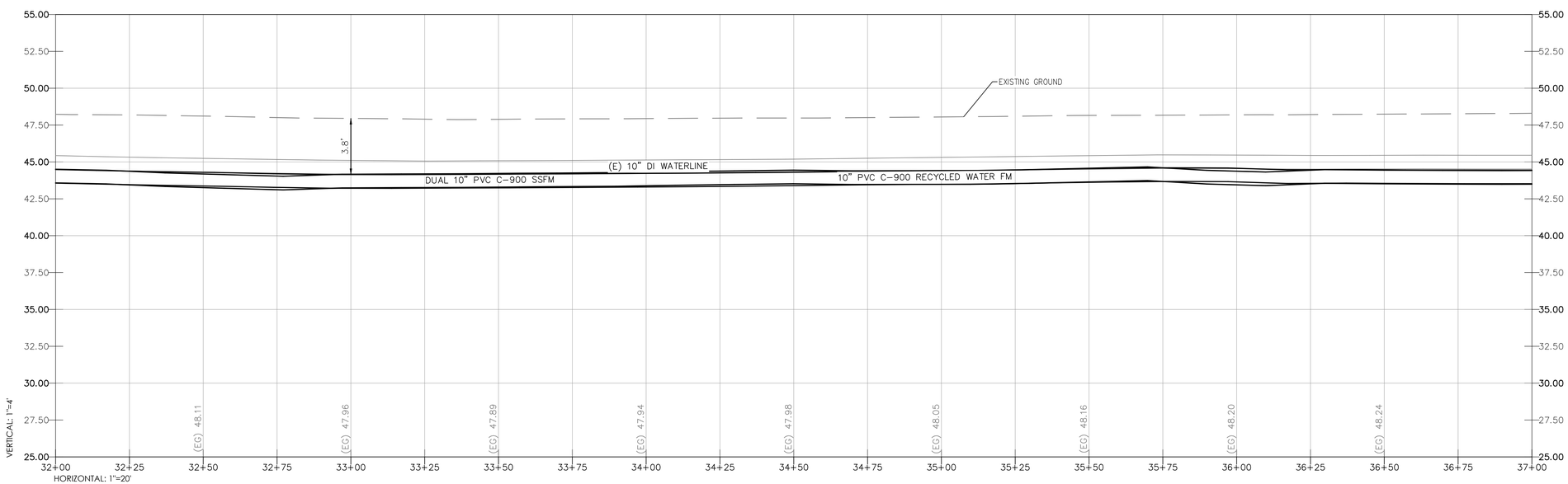
8 PURPLE PVC C900 DR18 RECYCLED WATER FORCE MAIN PER CITY STANDARD DETAIL 4-20

12 SEWER FORCE MAIN IN-LINE CLEANOUT PER DETAIL 2 SHEET C-1.2

21 UNDERGROUND ELECTRICAL- SEE COMMUNICATION PLAN SHEET C-4.1

1 inch = 20 ft.





NO.	DATE	DESCRIPTION

DATE: 7/28/2026
SCALE: 1" = 20'
DRAWN BY: KAP
DESIGNED BY: MRH
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REGISTERED PROFESSIONAL ENGINEER
MARISA ROSE HENRY
C 91572
CIVIL
STATE OF CALIFORNIA

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CITY OF COLUSA

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SANITARY SEWER & RECYCLED WATER PROJECT

PROJECT NUMBER
23-209

SHEET C-2.8 OF 42

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CONSTRUCTION NOTES

2 60" SANITARY SEWER MANHOLE PER CITY STANDARD DETAIL 7-17 & 7-22 & DETAIL 4 SHEET C-1.2 AS NECESSARY

4 PVC SDR-26 SANITARY SEWER PIPE PER CITY STANDARD DETAIL 4-20: NON PAVEMENT AREAS & DETAIL 4 SHEET C-1.2 AS NECESSARY

6 DUAL PVC C900 DR18 SANITARY SEWER FORCE MAIN PER CITY STANDARD DETAIL 4-20 AND DETAIL 1 SHEET C-1.2

8 PURPLE PVC C900 DR18 RECYCLED WATER FORCE MAIN PER CITY STANDARD DETAIL 4-20

9 CAP ON END FOR FUTURE CONNECTION

12 SEWER FORCE MAIN IN-LINE CLEANOUT PER DETAIL 2 SHEET C-1.2

15 PVC SCH 40 WATER LINE PER CITY STANDARD DETAIL 4-20

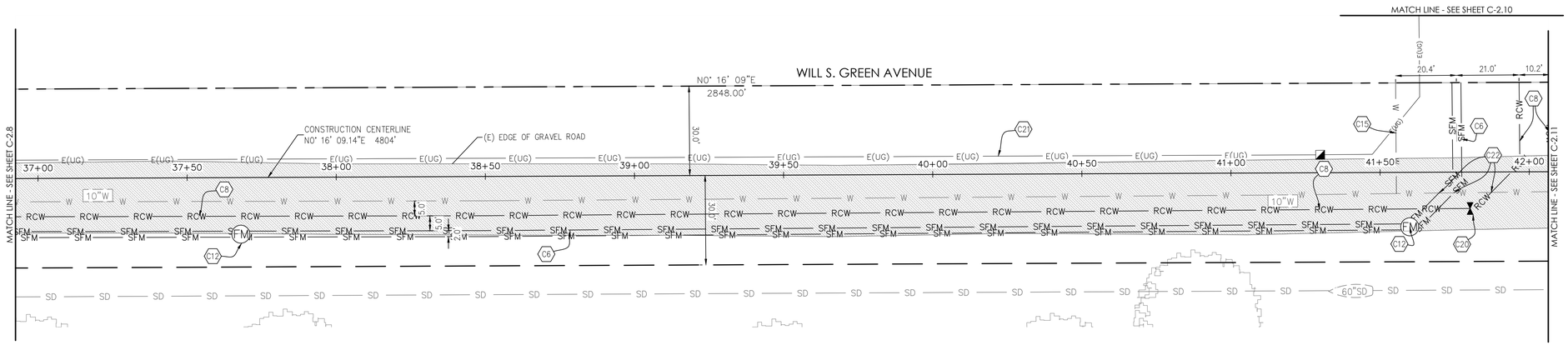
20 RECYCLED WATER GATE VALVE

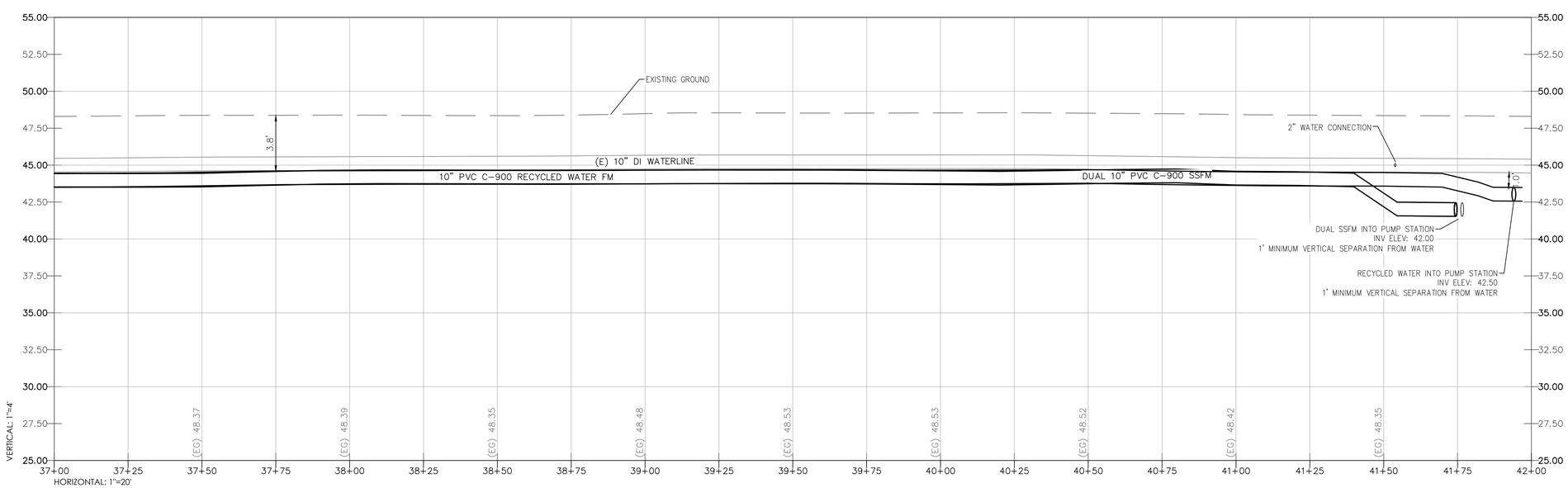
21 UNDERGROUND ELECTRICAL- SEE COMMUNICATION PLAN SHEET C-4.1

22 UTILITY CROSSING UNDER WATERMAIN- MAINTAIN 1' VERTICAL SEPARATION & PER DETAIL 6 SHEET C-1.2

1 inch = 20 ft.

WILL S. GREEN SEWER LIFT STATION-
PLANS BY OTHERS





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DATE: 7/28/2026
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REGISTERED PROFESSIONAL ENGINEER
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SANITARY SEWER & RECYCLED WATER PROJECT

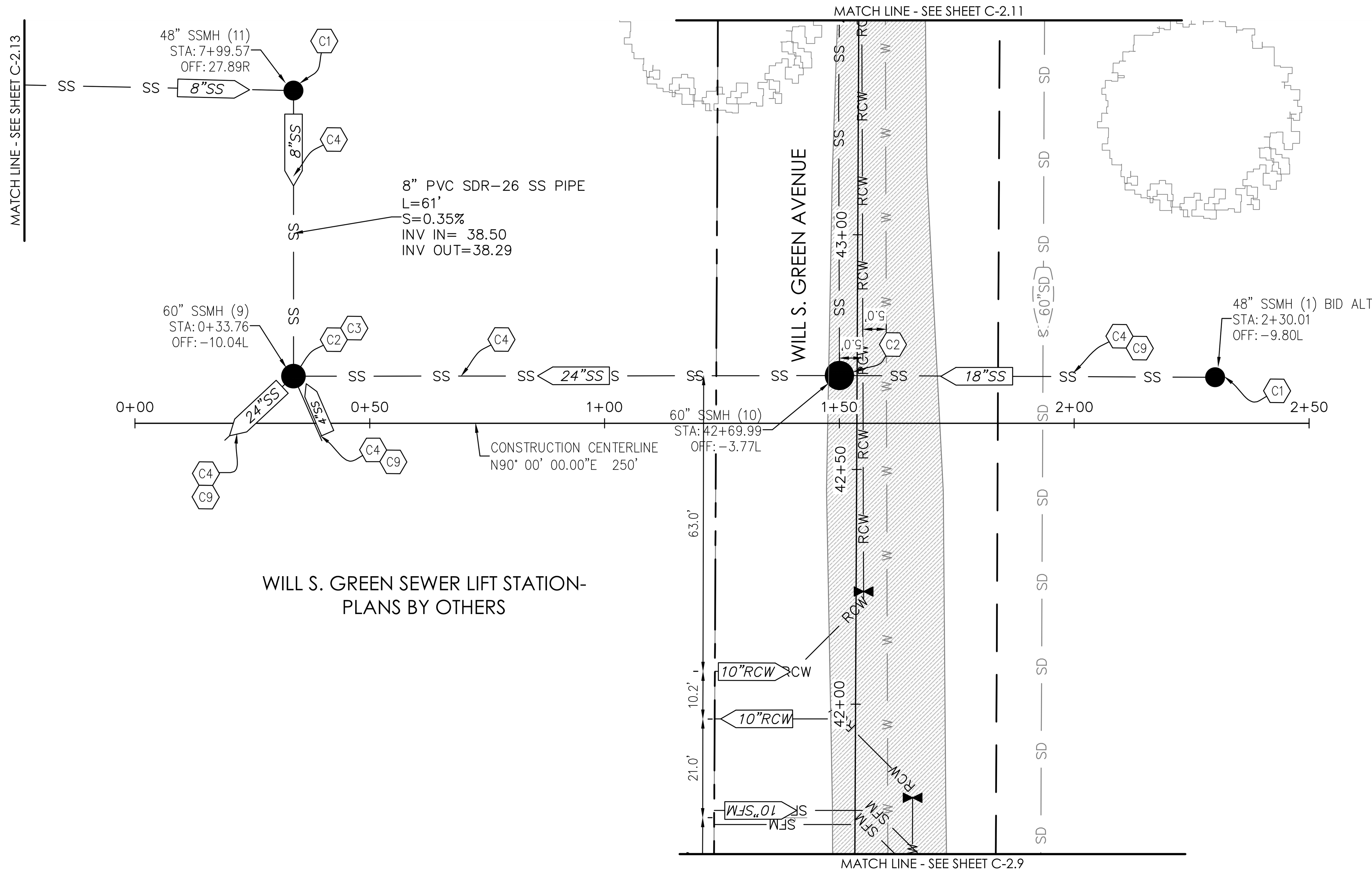
PROJECT NUMBER
23-209

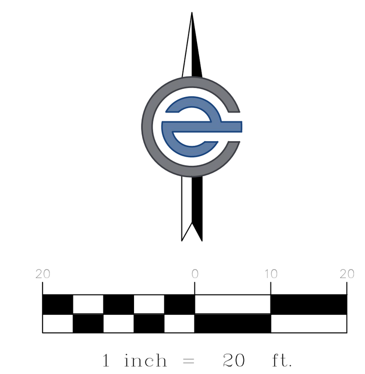
SHEET
C-2.9 OF 42

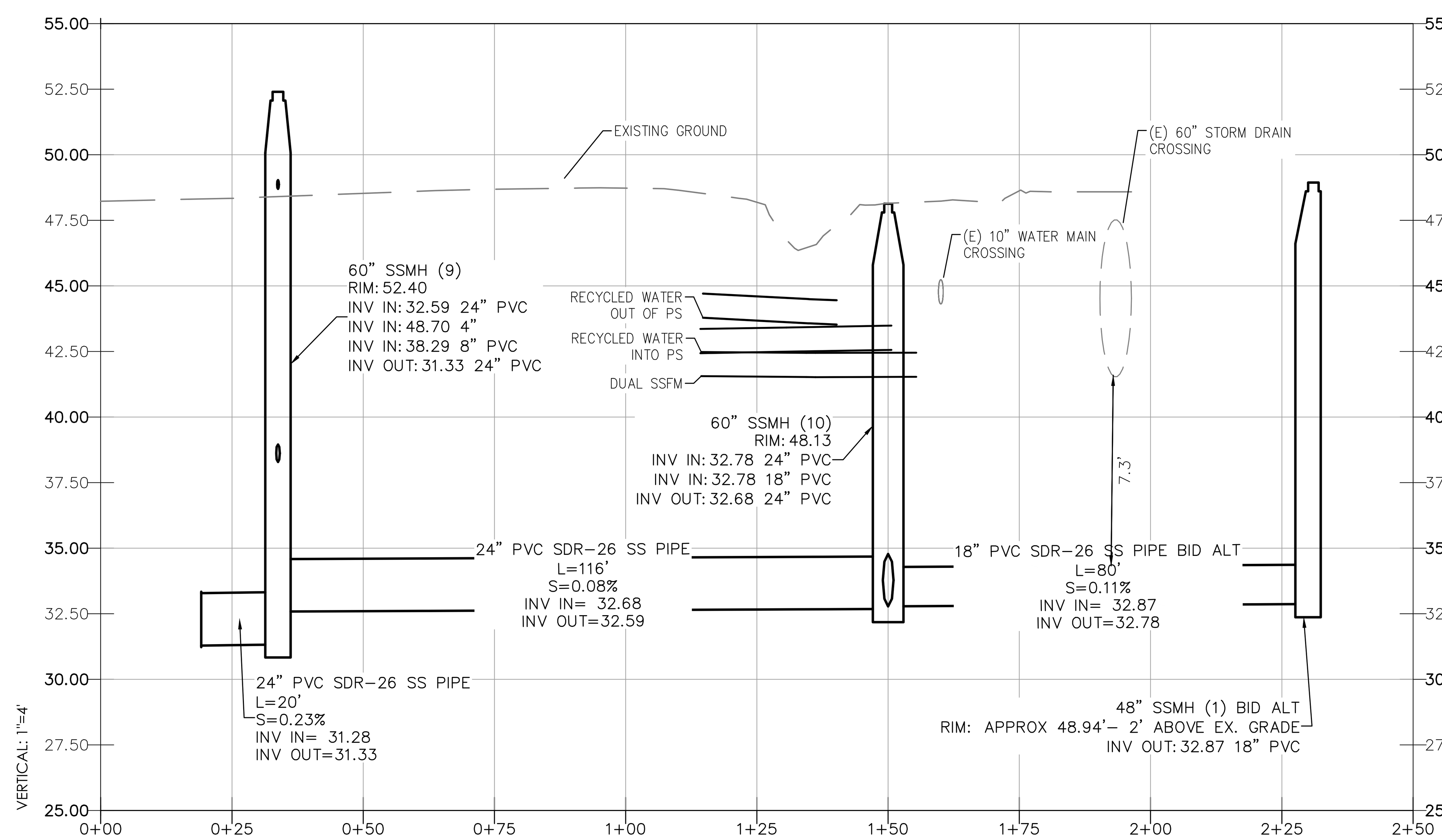
Y:\CEC Jobs\Projects\23-209 NewGen City of Colusa Sewer Main Line Design\Eng\VmpPlns\23-209 NewGen CoC_Sewer Main Line Design Imp Plans.dwg Jul 29, 2026-01:00 pm mjoyce

CONSTRUCTION NOTES

1. 48" SANITARY SEWER MANHOLE PER CITY STANDARD DETAIL 7-15 & 7-21 & DETAIL 4 SHEET C-1.2 AS NECESSARY
2. 60" SANITARY SEWER MANHOLE PER CITY STANDARD DETAIL 7-17 & 7-22 & DETAIL 4 SHEET C-1.2 AS NECESSARY
3. OUTSIDE DROP MANHOLE CONNECTION PER CITY STANDARD DETAIL 7-19
4. PVC SDR-26 SANITARY SEWER PIPE PER CITY STANDARD DETAIL 4-20: NON PAVEMENT AREAS & DETAIL 4 SHEET C-1.2 AS NECESSARY
9. CAP ON END ON SEWER PIPE FOR FUTURE CONNECTION







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CITY OF COLUSA

WILL S GREEN PUMP STATION CONNECTION
STA: 0+00 TO 2+50

SANITARY SEWER & RECYCLED WATER PROJECT

PROJECT NUMBER 23-209

SHEET C-2.10 OF 42

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CONSTRUCTION NOTES

2 60" SANITARY SEWER MANHOLE PER CITY STANDARD DETAIL 7-17 & 7-22& DETAIL 4 SHEET C-1.2 AS NECESSARY

4 PVC SDR-26 SANITARY SEWER PIPE PER CITY STANDARD DETAIL 4-20: NON PAVEMENT AREAS & DETAIL 4 SHEET C-1.2 AS NECESSARY

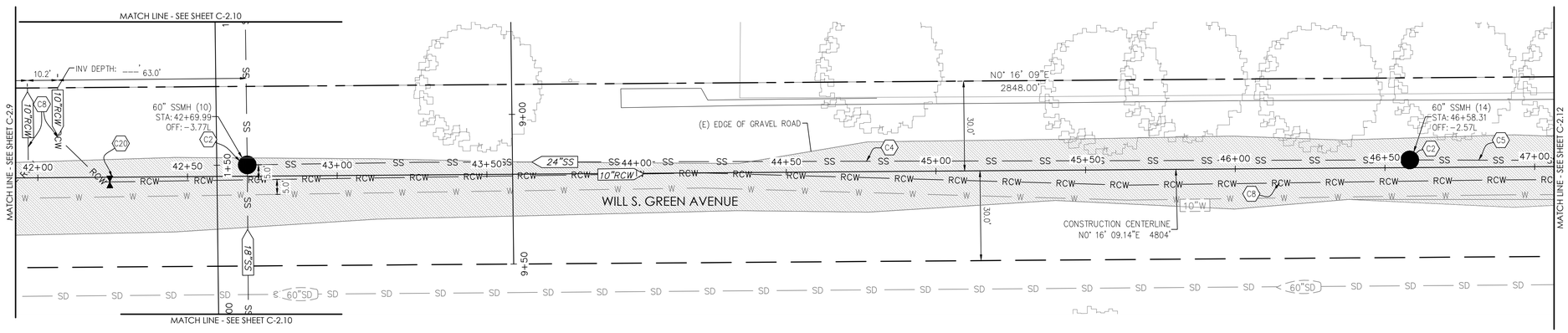
5 PVC SDR-26 SANITARY SEWER PIPE PER CITY STANDARD DETAIL 4-20 & DETAIL 4 SHEET C-1.2 AS NECESSARY

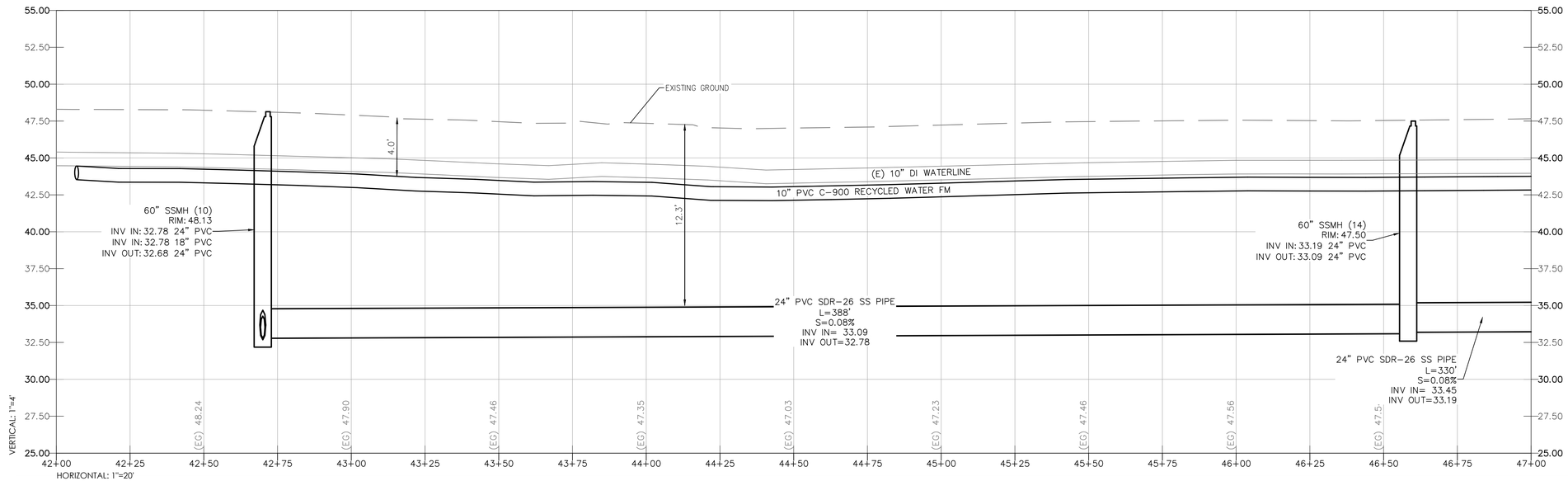
8 PURPLE PVC C900 DR18 RECYCLED WATER FORCE MAIN PER CITY STANDARD DETAIL 4-20

20 RECYCLED WATER GATE VALVE PER CITY STANDARD DETAIL 8-15 & 8-16

WILL S. GREEN SEWER LIFT STATION-
PLANS BY OTHERS

1 inch = 20 ft.





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SANITARY SEWER & RECYCLED WATER PROJECT

PROJECT NUMBER
23-209

SHEET
C-2.11 OF 42

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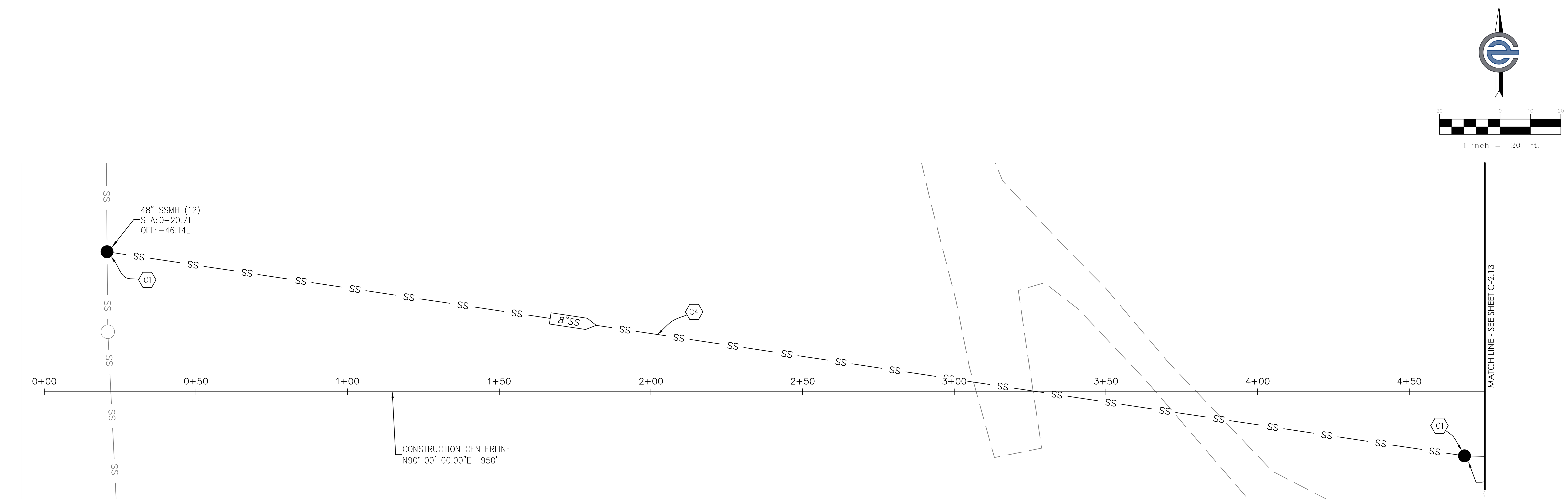
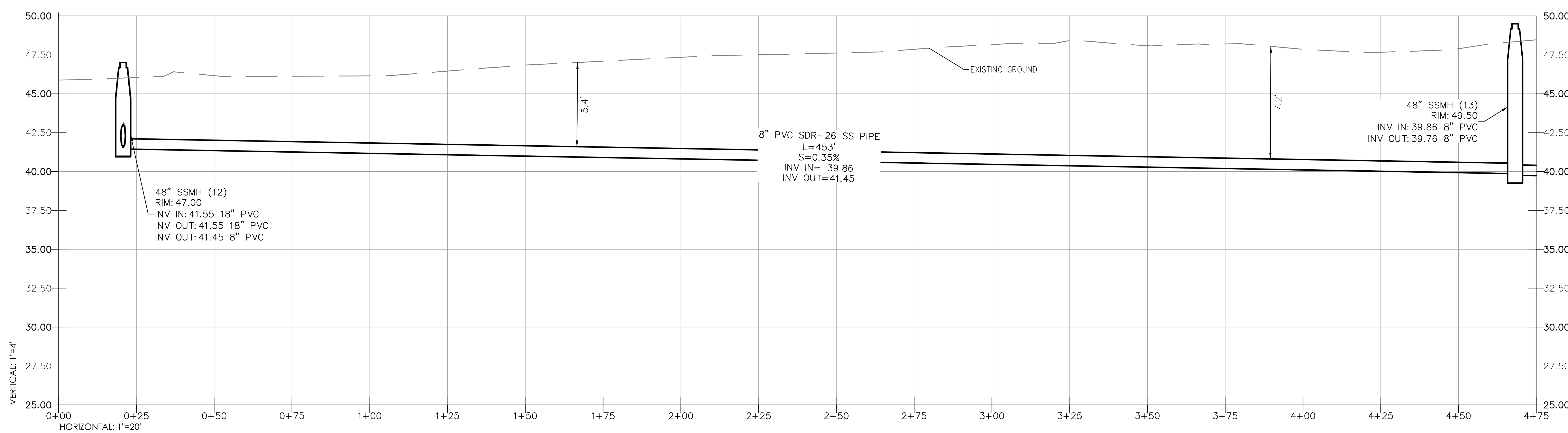
C CONSTRUCTION NOTES

1. 48" SANITARY SEWER MANHOLE PER CITY STANDARD DETAIL 7-15 & 7-21 & DETAIL 4 SHEET C-1.2 AS NECESSARY
4. PVC SDR-26 SANITARY SEWER PIPE PER CITY STANDARD DETAIL 4-20: NON PAVEMENT AREAS & DETAIL 4 SHEET C-1.2 AS NECESSARY





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CITY OF COLUSA

PIRELLI CONNECTION
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SANITARY SEWER & RECYCLED WATER PROJECT

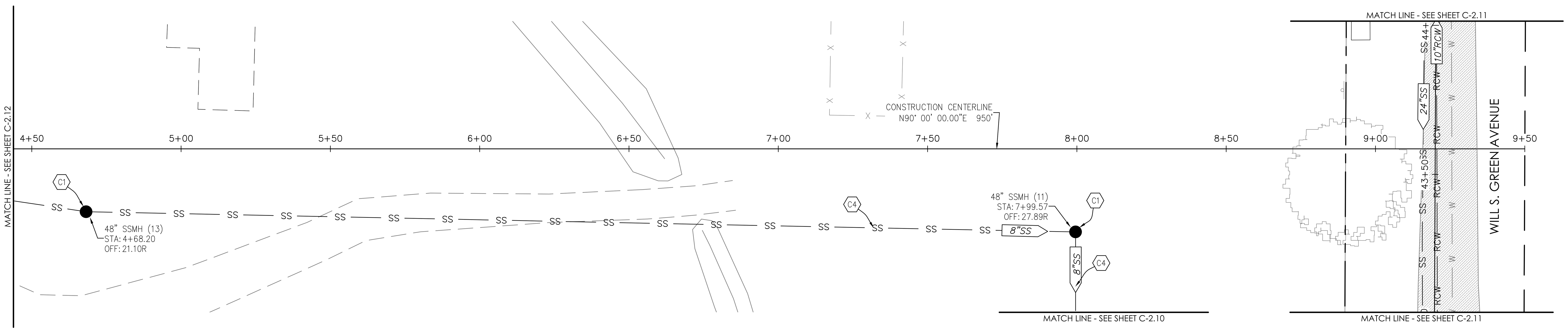
PROJECT NUMBER **23-209**

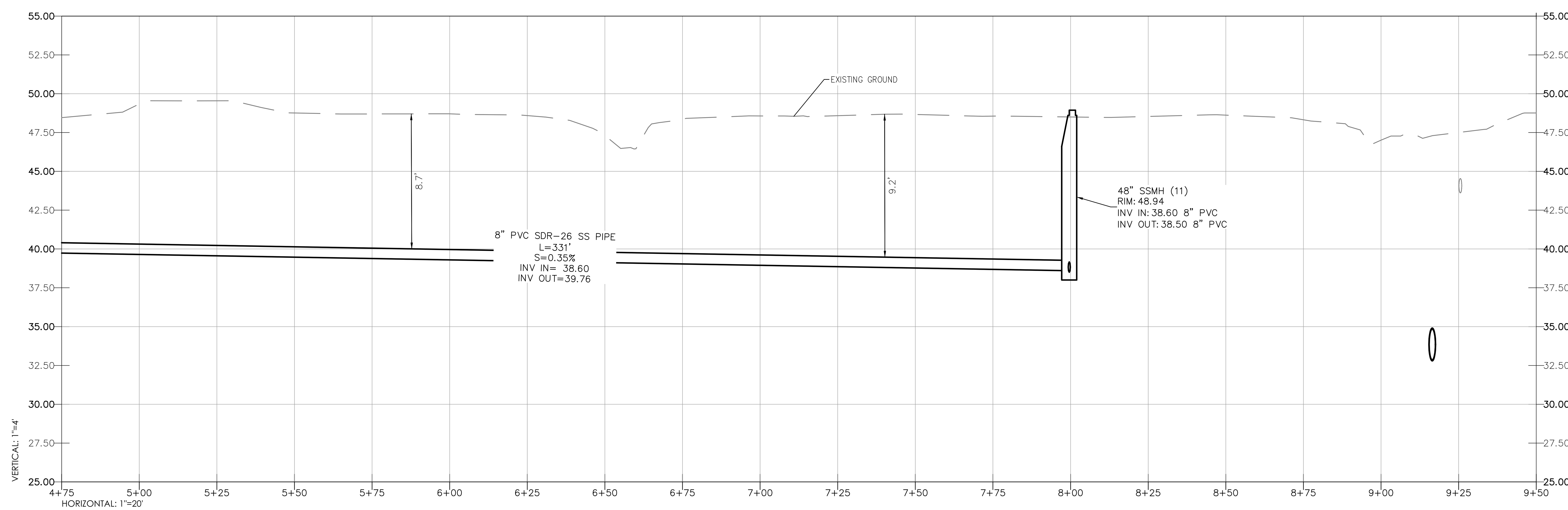
SHEET **C-2.12** OF **42**

CONSTRUCTION NOTES

1. 48" SANITARY SEWER MANHOLE PER CITY STANDARD DETAIL 7-15 & 7-21 & DETAIL 4 SHEET C-1.2 AS NECESSARY
4. PVC SDR-26 SANITARY SEWER PIPE PER CITY STANDARD DETAIL 4-20: NON PAVEMENT AREAS & DETAIL 4 SHEET C-1.2 AS NECESSARY

1 inch = 20 ft.





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CITY OF COLUSA
PIRELLI CONNECTION
STA: 4+75 TO 9+50
SANITARY SEWER & RECYCLED WATER PROJECT

PROJECT NUMBER 23-209
SHEET C-2.13 OF 42

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PAVING NOTES

1 2" GRIND, PAVING FABRIC, 2" FIBER REINFORCED ASPHALT CONCRETE

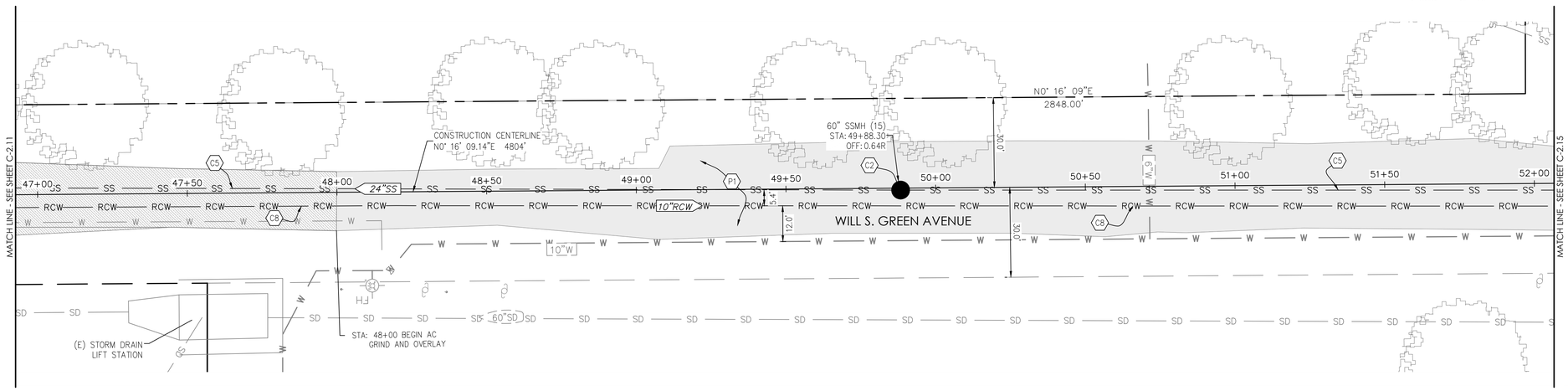
CONSTRUCTION NOTES

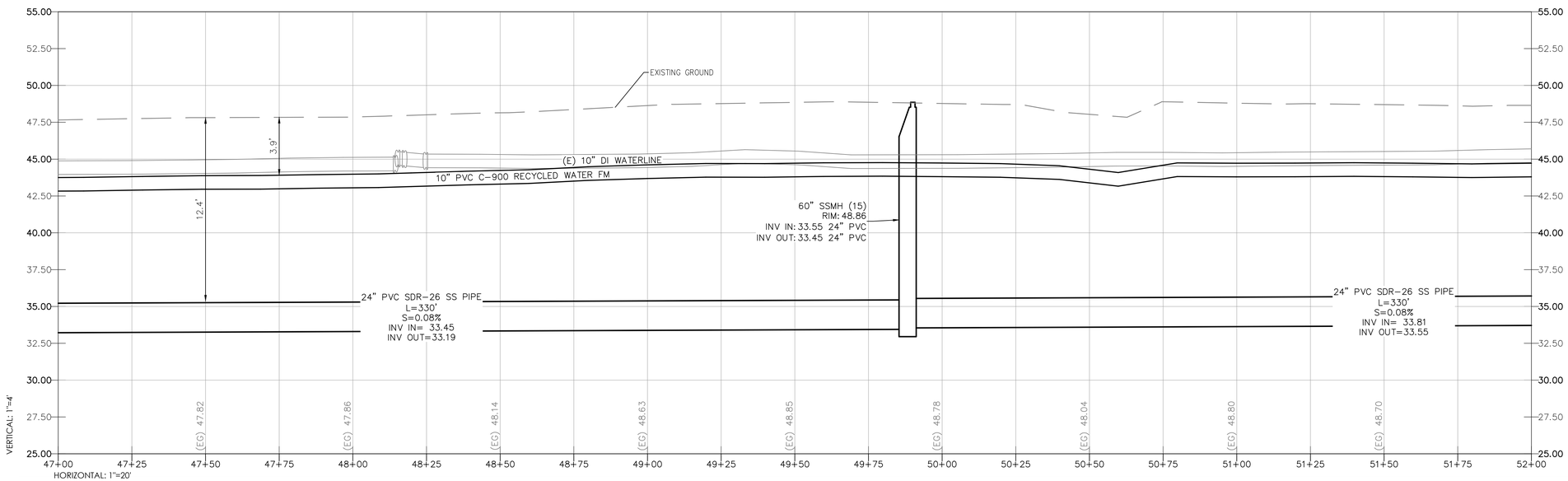
2 60" SANITARY SEWER MANHOLE PER CITY STANDARD DETAIL 7-17 & 7-22 & DETAIL 4 SHEET C-1.2 AS NECESSARY

5 PVC SDR-26 SANITARY SEWER PIPE PER CITY STANDARD DETAIL 4-20 & DETAIL 4 SHEET C-1.2 AS NECESSARY

8 PURPLE PVC C900 DR18 RECYCLED WATER FORCE MAIN PER CITY STANDARD DETAIL 4-20

1 inch = 20 ft.





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DATE: 7/28/2026
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SANITARY SEWER & RECYCLED WATER PROJECT

PROJECT NUMBER
23-209

SHEET
C-2.14 OF 42

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PAVING NOTES

1 2" GRIND, PAVING FABRIC, 2" FIBER REINFORCED ASPHALT CONCRETE

CONSTRUCTION NOTES

2 60" SANITARY SEWER MANHOLE PER CITY STANDARD DETAIL 7-17 & 7-22 & DETAIL 4 SHEET C-1.2 AS NECESSARY

5 PVC SDR-26 SANITARY SEWER PIPE PER CITY STANDARD DETAIL 4-20 & DETAIL 4 SHEET C-1.2 AS NECESSARY

8 PURPLE PVC C900 DR18 RECYCLED WATER FORCE MAIN PER CITY STANDARD DETAIL 4-20

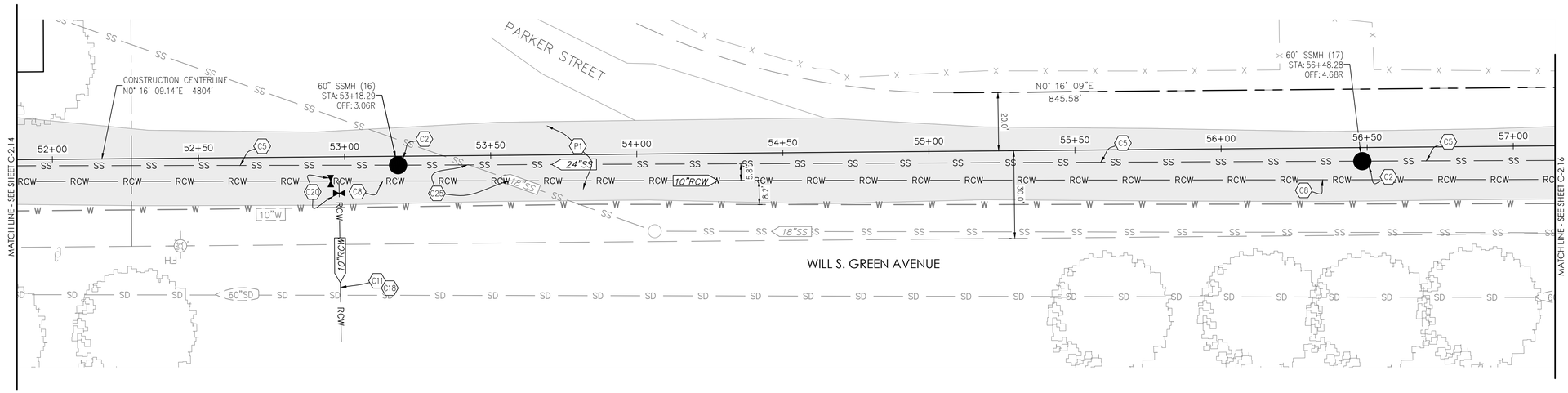
11 CAP AND THRUST BLOCK AT END OF RECYCLED WATER MAIN PER CITY STANDARD DETAIL 8-2

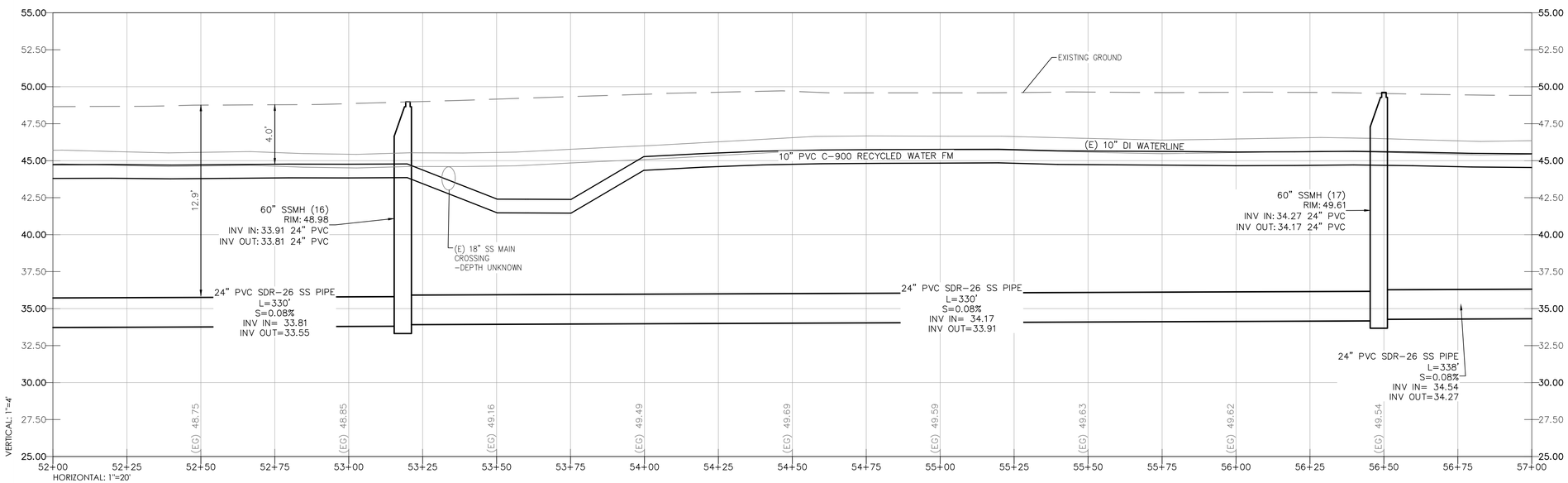
18 PURPLE PVC C900 DR18 RECYCLED WATER SERVICE PER CITY STANDARD DETAIL 4-20; COORDINATE WITH PROPERTY OWNER FOR SPECIFIC LOCATION

20 RECYCLED WATER GATE VALVE PER CITY STANDARD DETAIL 8-15 & 8-16

25 UTILITY CROSSING PER DETAIL 6 SHEET C-1.2

1 inch = 20 ft.





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SANITARY SEWER & RECYCLED WATER PROJECT

PROJECT NUMBER
23-209

SHEET
C-2.15 OF 42

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PAVING NOTES (P)

1 2" GRIND, PAVING FABRIC, 2" FIBER REINFORCED ASPHALT CONCRETE

CONSTRUCTION NOTES (C)

2 60" SANITARY SEWER MANHOLE PER CITY STANDARD DETAIL 7-17 & 7-22 & DETAIL 4 SHEET C-1.2 AS NECESSARY

3 OUTSIDE DROP MANHOLE CONNECTION PER CITY STANDARD DETAIL 7-19

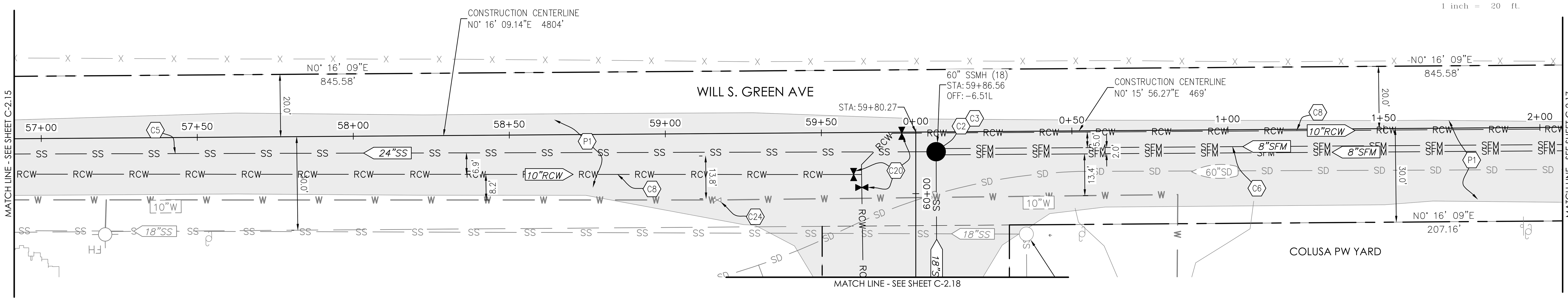
5 PVC SDR-26 SANITARY SEWER PIPE PER CITY STANDARD DETAIL 4-20 & DETAIL 4 SHEET C-1.2 AS NECESSARY

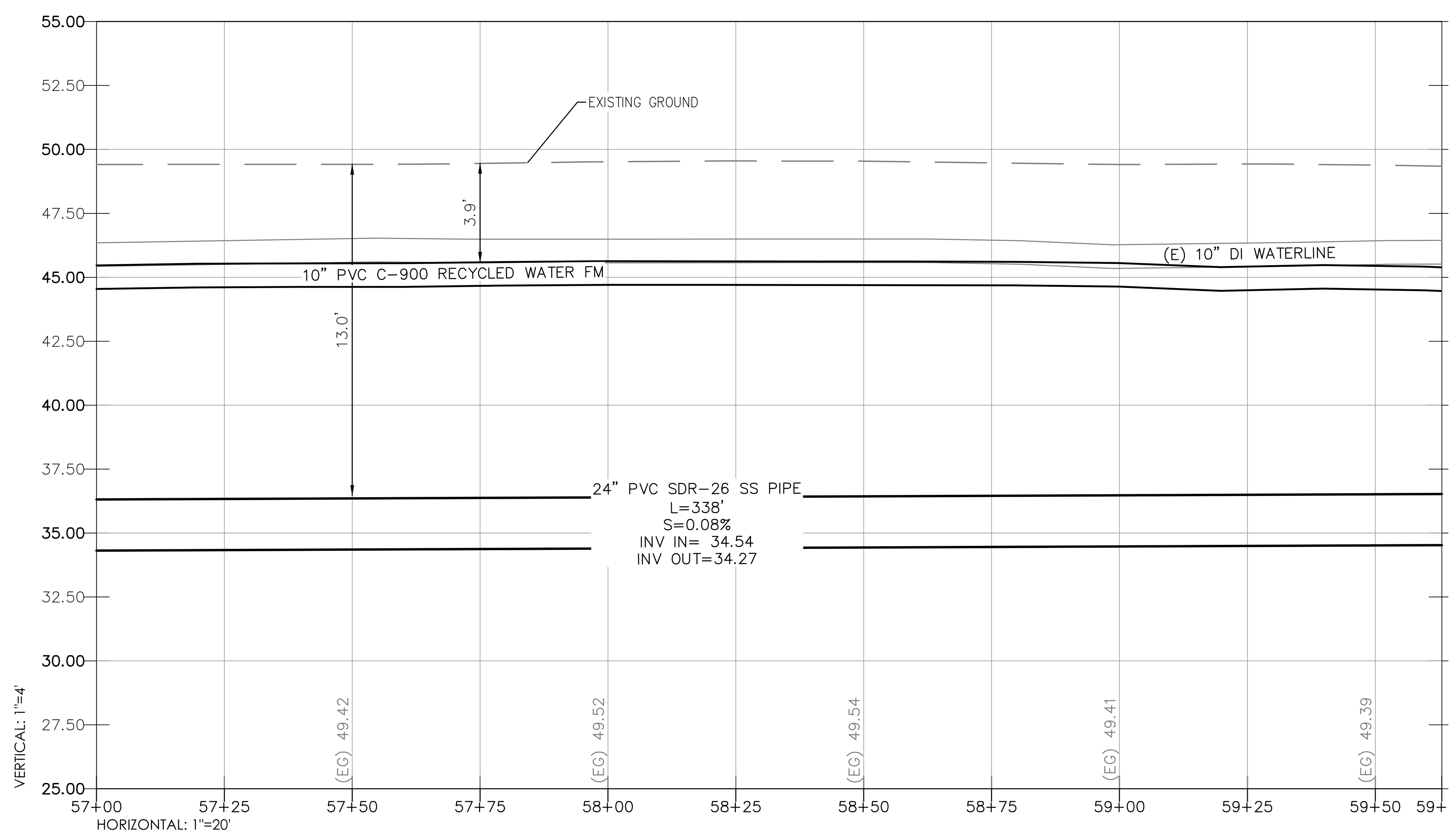
6 DUAL PVC C900 DR18 SANITARY SEWER FORCE MAIN PER CITY STANDARD DETAIL 4-20 AND DETAIL 1 SHEET C-1.2

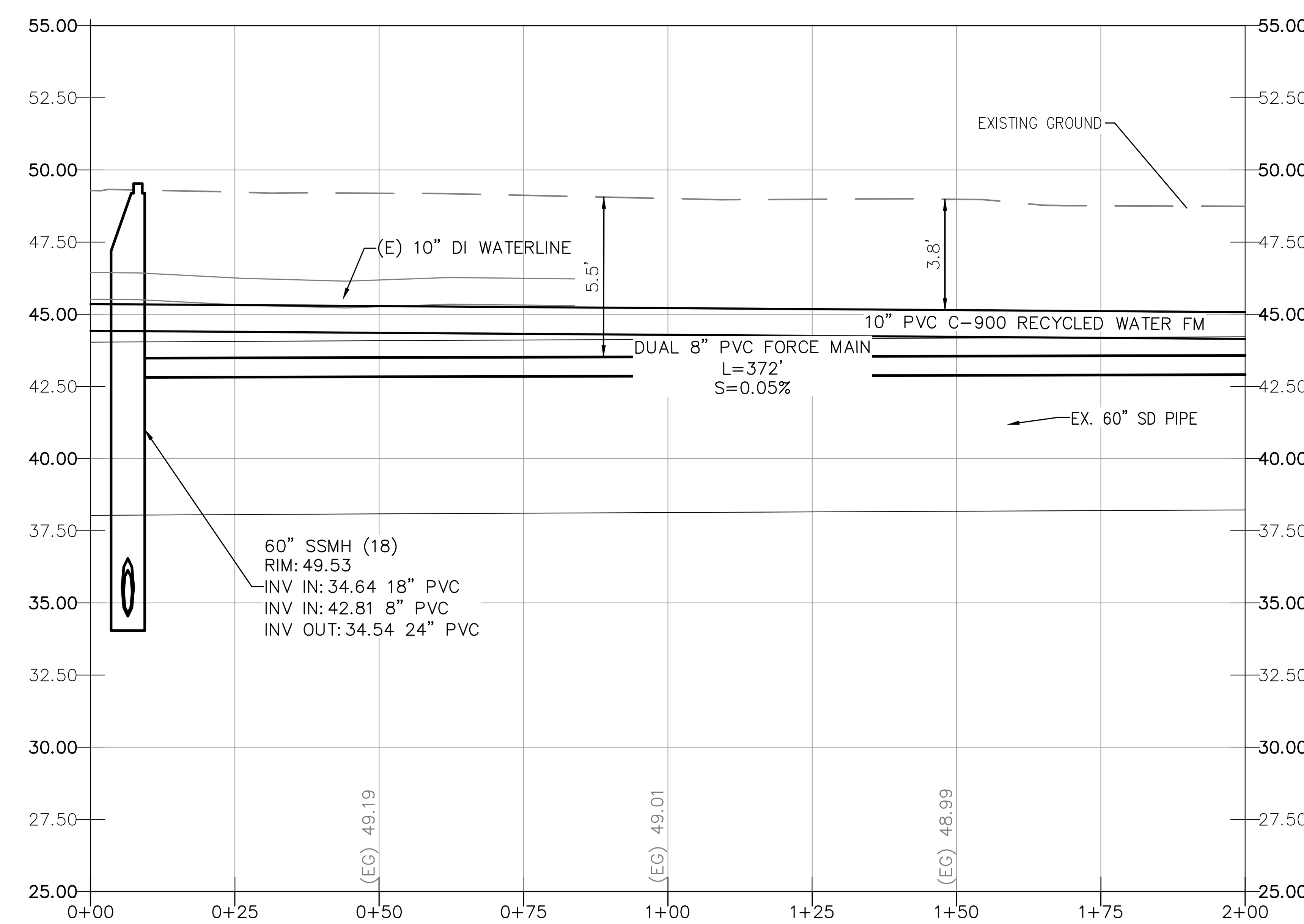
8 PURPLE PVC C900 DR18 RECYCLED WATER FORCE MAIN PER CITY STANDARD DETAIL 4-20

20 RECYCLED WATER GATE VALVE PER CITY STANDARD DETAIL 8-15 & 8-16

1 inch = 20 ft.







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STA: 57+00 TO 59+63
WILL S. GREEN- COLUS TO HWY 20
STA: 0+00 TO 2+00
SANITARY SEWER & RECYCLED WATER PROJECT

PROJECT NUMBER **23-209**

SHEET **C-2.16** OF **42**

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(P) PAVING NOTES

1 2" GRIND, PAVING FABRIC, 2" FIBER REINFORCED ASPHALT CONCRETE

(C) CONSTRUCTION NOTES

6 DUAL PVC C900 DR18 SANITARY SEWER FORCE MAIN PER CITY STANDARD DETAIL 4-20 AND DETAIL 1 SHEET C-1.2

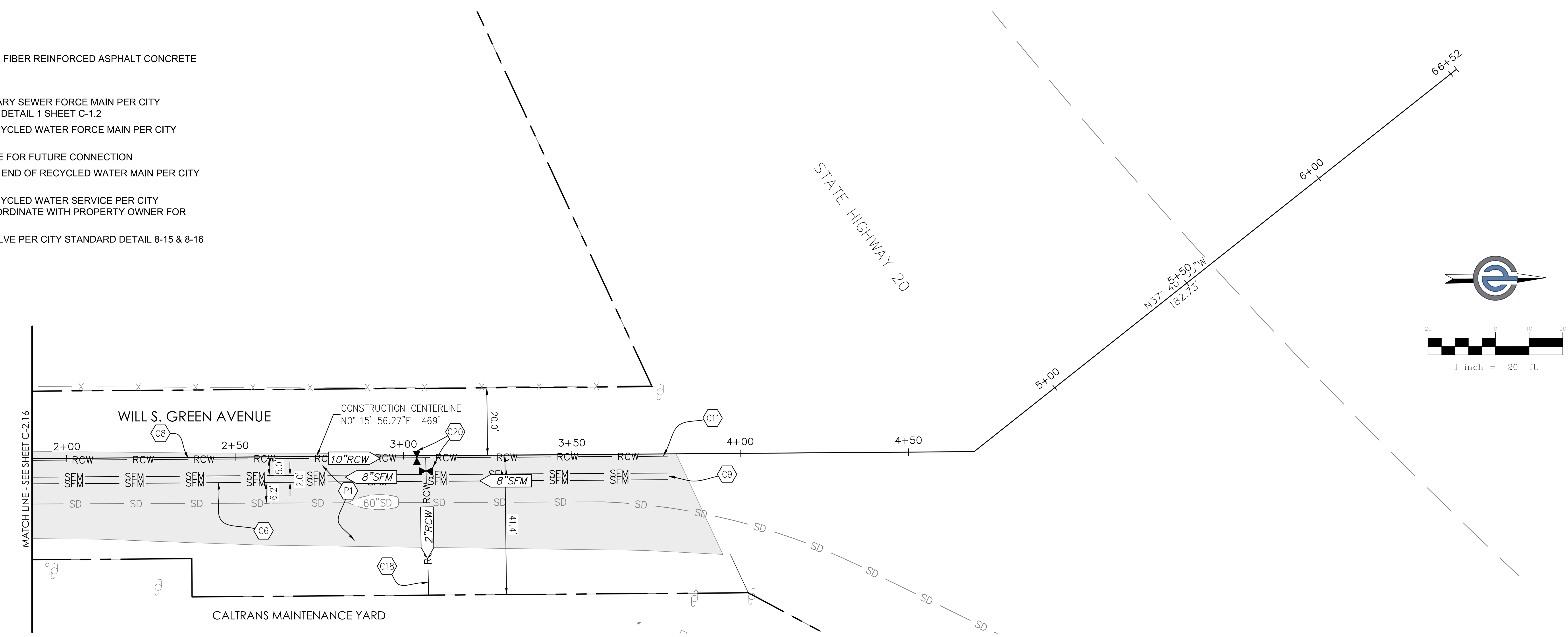
8 PURPLE PVC C900 DR18 RECYCLED WATER FORCE MAIN PER CITY STANDARD DETAIL 4-20

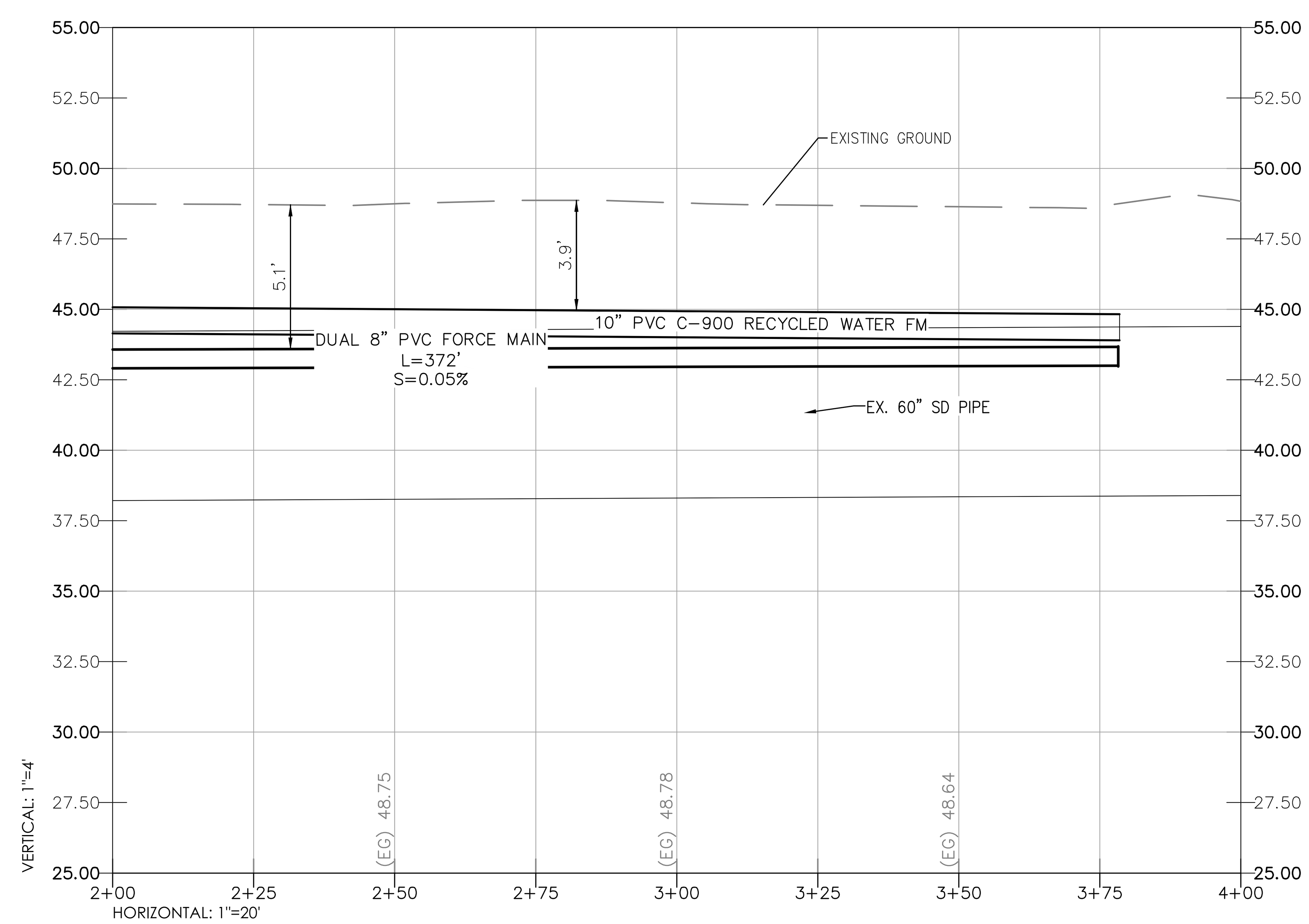
9 CAP ON END ON SEWER PIPE FOR FUTURE CONNECTION

11 CAP AND THRUST BLOCK AT END OF RECYCLED WATER MAIN PER CITY STANDARD DETAIL 8-2

18 PURPLE PVC C900 DR18 RECYCLED WATER SERVICE PER CITY STANDARD DETAIL 4-20; COORDINATE WITH PROPERTY OWNER FOR SPECIFIC LOCATION

20 RECYCLED WATER GATE VALVE PER CITY STANDARD DETAIL 8-15 & 8-16





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DESIGNED BY: MRH
CHECKED BY: DLS

REGISTERED PROFESSIONAL ENGINEER MARISA ROSE HEWITT C 91572 CIVIL STATE OF CALIFORNIA

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SANITARY SEWER & RECYCLED WATER PROJECT

PROJECT NUMBER **23-209**

SHEET **C-2.17** OF **42**

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PAVING NOTES

1 2" GRIND, PAVING FABRIC, 2" FIBER REINFORCED ASPHALT CONCRETE

CONSTRUCTION NOTES

1 48" SANITARY SEWER MANHOLE PER CITY STANDARD DETAIL 7-15 & 7-21 & DETAIL 4 SHEET C-1.2 AS NECESSARY

2 60" SANITARY SEWER MANHOLE PER CITY STANDARD DETAIL 7-17 & 7-22 & DETAIL 4 SHEET C-1.2 AS NECESSARY

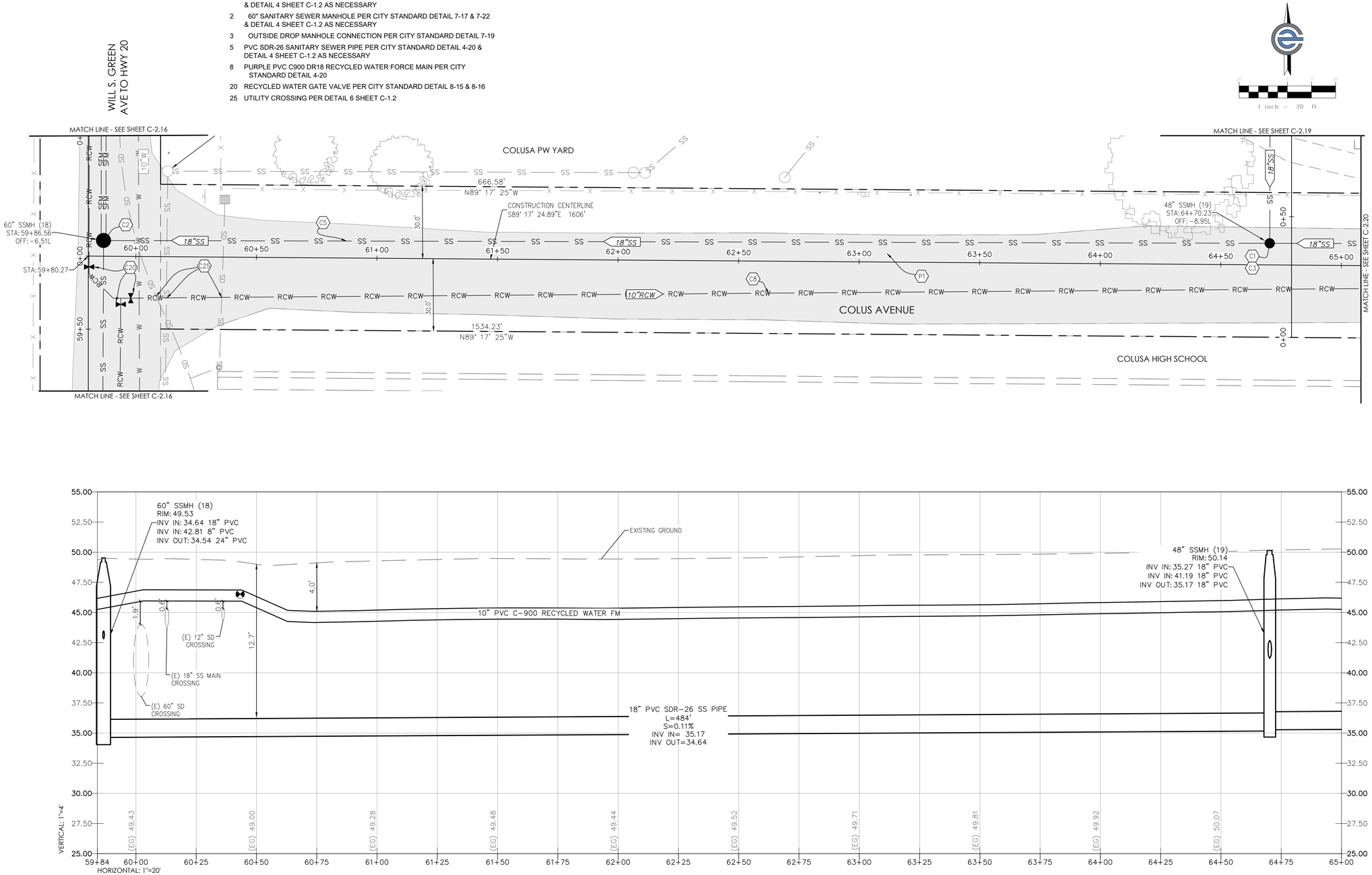
3 OUTSIDE DROP MANHOLE CONNECTION PER CITY STANDARD DETAIL 7-19

5 PVC SDR-26 SANITARY SEWER PIPE PER CITY STANDARD DETAIL 4-20 & DETAIL 4 SHEET C-1.2 AS NECESSARY

8 PURPLE PVC C900 DR18 RECYCLED WATER FORCE MAIN PER CITY STANDARD DETAIL 4-20

20 RECYCLED WATER GATE VALVE PER CITY STANDARD DETAIL 8-15 & 8-16

25 UTILITY CROSSING PER DETAIL 6 SHEET C-1.2



NO.	DATE	DESCRIPTION

DATE: 7/28/2026
SCALE: 1" = 20'
DRAWN BY: KAP
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REGISTERED PROFESSIONAL ENGINEER MARISA ROSE HERRERA C 91573 CIVIL STATE OF CALIFORNIA

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SANITARY SEWER & RECYCLED WATER PROJECT

PROJECT NUMBER 23-209

SHEET C-2.18 OF 42

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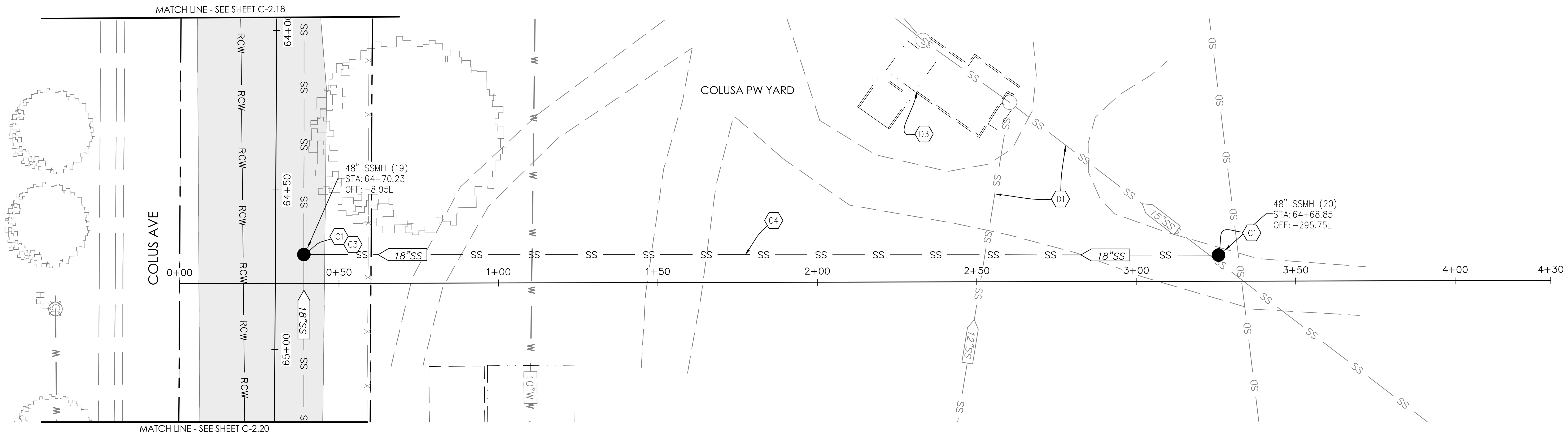
(C) CONSTRUCTION NOTES

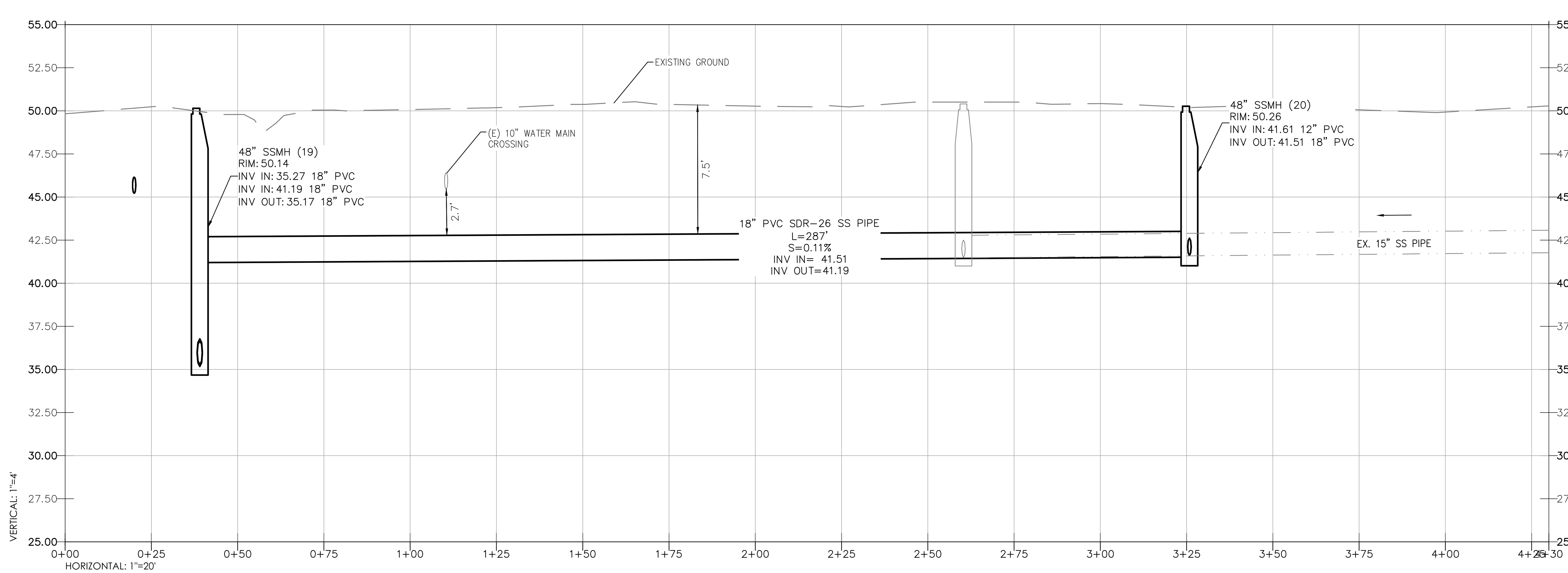
1. 48" SANITARY SEWER MANHOLE PER CITY STANDARD DETAIL 7-15 & 7-21 & DETAIL 4 SHEET C-1.2 AS NECESSARY
3. OUTSIDE DROP MANHOLE CONNECTION PER CITY STANDARD DETAIL 7-19
4. PVC SDR-26 SANITARY SEWER PIPE PER CITY STANDARD DETAIL 4-20 & DETAIL 4 SHEET C-1.2 AS NECESSARY NON PAVEMENT AREAS

(D) DEMOLITION NOTES

1. ABANDON IN PLACE EXISTING SEWER INFRASTRUCTURE
3. ABANDON AND DEMO EXISTING LIFT STATION

1 inch = 20 ft.





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SANITARY SEWER & RECYCLED WATER PROJECT

PROJECT NUMBER 23-209

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PAVING NOTES

1 2" GRIND, PAVING FABRIC, 2" FIBER REINFORCED ASPHALT CONCRETE

CONSTRUCTION NOTES

1 48" SANITARY SEWER MANHOLE PER CITY STANDARD DETAIL 7-15 & 7-21 & DETAIL 4 SHEET C-1.2 AS NECESSARY

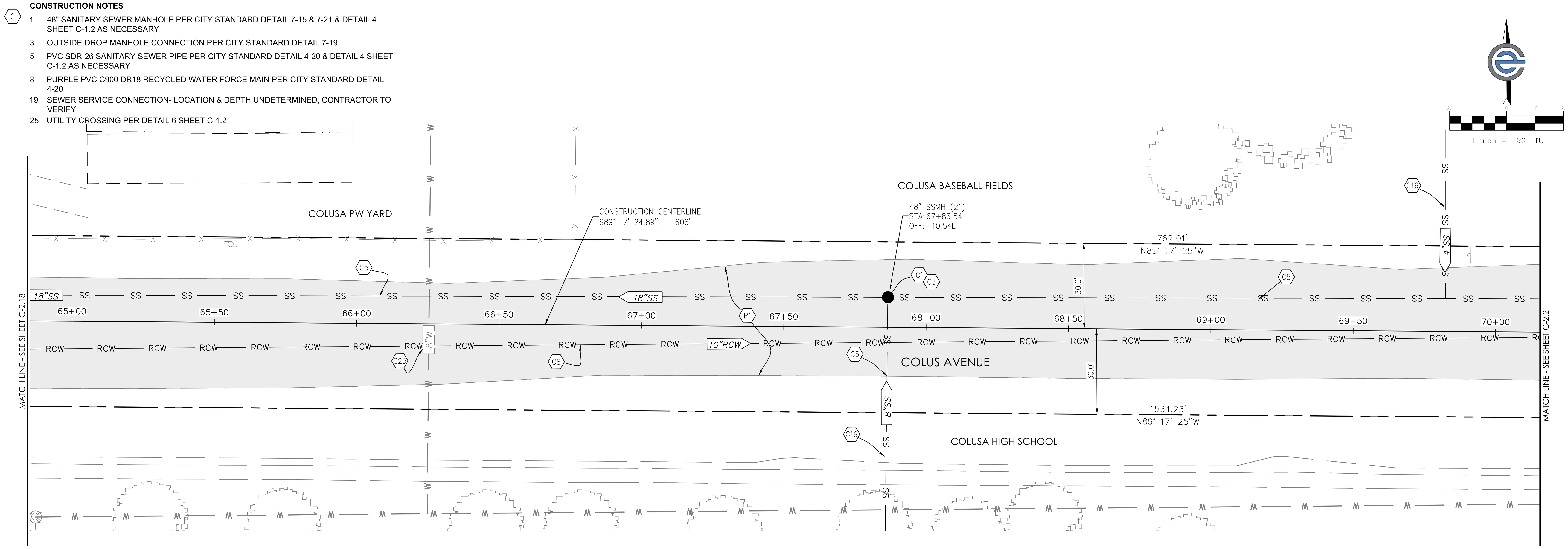
3 OUTSIDE DROP MANHOLE CONNECTION PER CITY STANDARD DETAIL 7-19

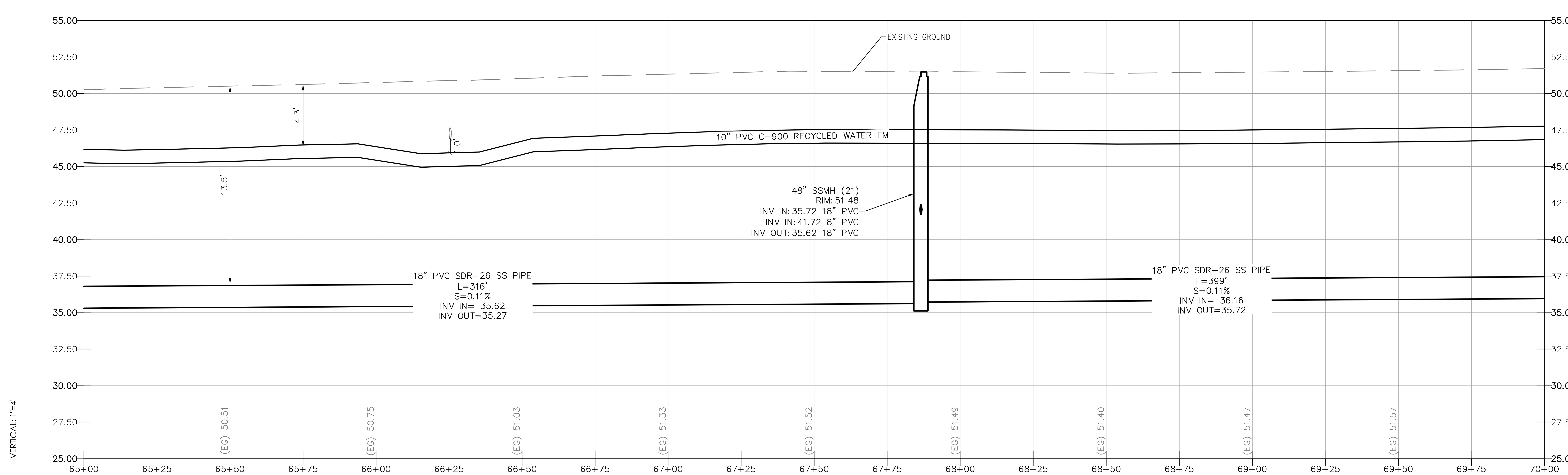
5 PVC SDR-26 SANITARY SEWER PIPE PER CITY STANDARD DETAIL 4-20 & DETAIL 4 SHEET C-1.2 AS NECESSARY

8 PURPLE PVC C900 DR18 RECYCLED WATER FORCE MAIN PER CITY STANDARD DETAIL 4-20

19 SEWER SERVICE CONNECTION- LOCATION & DEPTH UNDETERMINED, CONTRACTOR TO VERIFY

25 UTILITY CROSSING PER DETAIL 6 SHEET C-1.2





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SANITARY SEWER & RECYCLED WATER PROJECT

PROJECT NUMBER 23-209

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PAVING NOTES

1 2" GRIND, PAVING FABRIC, 2" FIBER REINFORCED ASPHALT CONCRETE

CONSTRUCTION NOTES

1 48" SANITARY SEWER MANHOLE PER CITY STANDARD DETAIL 7-15 & 7-21 & DETAIL 4 SHEET C-1.2 AS NECESSARY

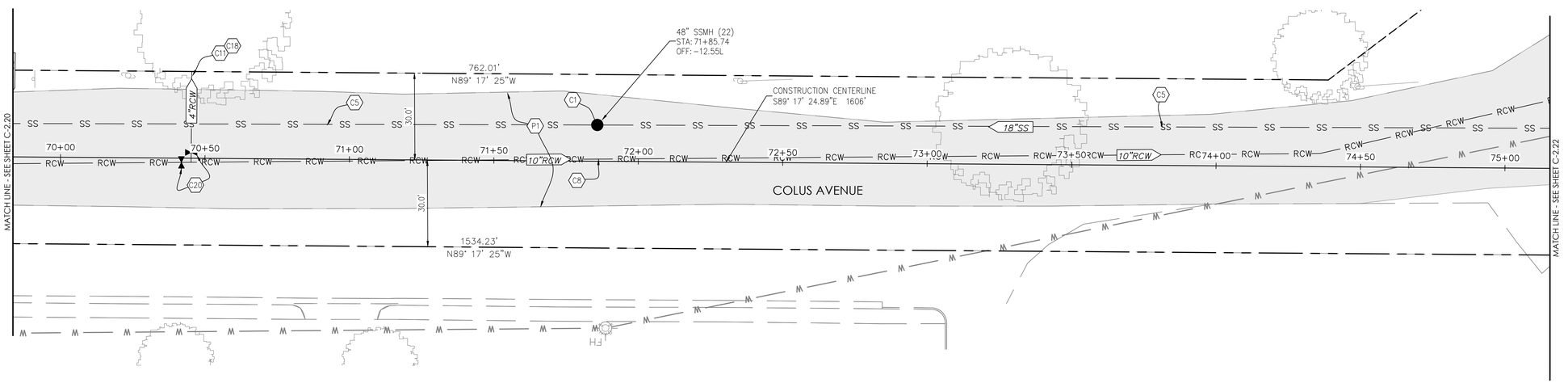
5 PVC SDR-26 SANITARY SEWER PIPE PER CITY STANDARD DETAIL 4-20 & DETAIL 4 SHEET C-1.2 AS NECESSARY

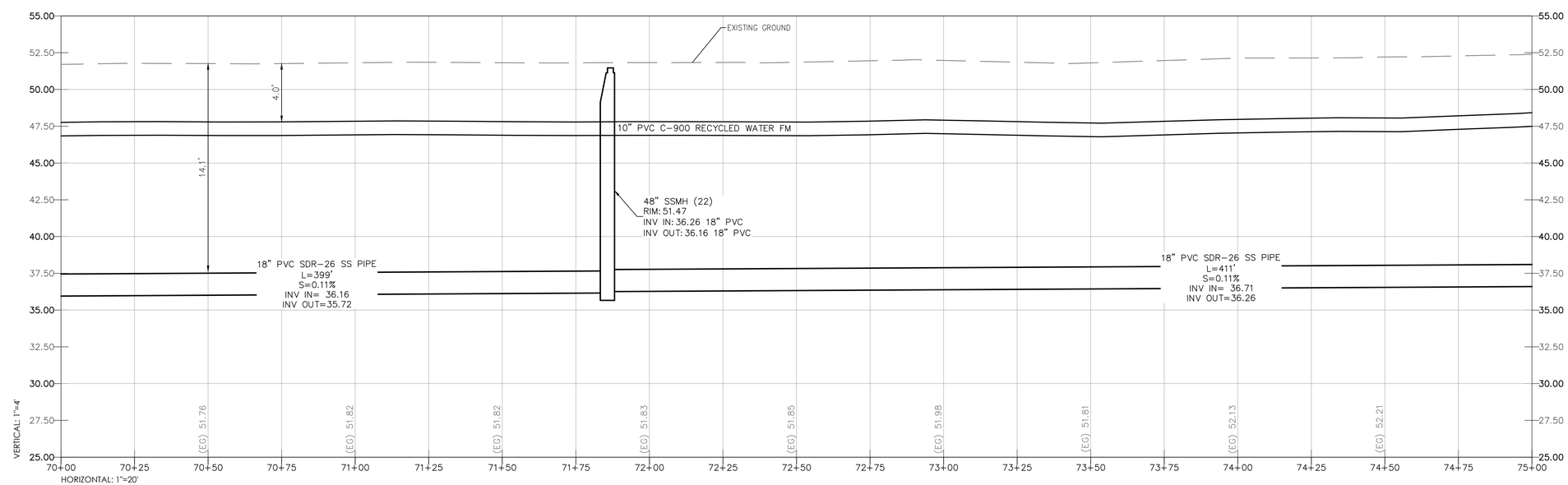
8 PURPLE PVC C900 DR18 RECYCLED WATER FORCE MAIN PER CITY STANDARD DETAIL 4-20

11 CAP AND THRUST BLOCK AT END OF RECYCLED WATER MAIN PER CITY STANDARD DETAIL 8-2

18 PURPLE PVC C900 DR18 RECYCLED WATER SERVICE PER CITY STANDARD DETAIL 4-20; COORDINATE WITH PROPERTY OWNER FOR SPECIFIC LOCATION

20 RECYCLED WATER GATE VALVE PER CITY STANDARD DETAIL 8-15 & 8-16





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SANITARY SEWER & RECYCLED WATER PROJECT

PROJECT NUMBER 23-209

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Ⓟ **PAVING NOTES**

1 2" GRIND, PAVING FABRIC, 2" FIBER REINFORCED ASPHALT CONCRETE

Ⓒ **CONSTRUCTION NOTES**

1 48" SANITARY SEWER MANHOLE PER CITY STANDARD DETAIL 7-15 & 7-21 & DETAIL 4 SHEET C-1.2 AS NECESSARY

5 PVC SDR-26 SANITARY SEWER PIPE PER CITY STANDARD DETAIL 4-20 & DETAIL 4 SHEET C-1.2 AS NECESSARY

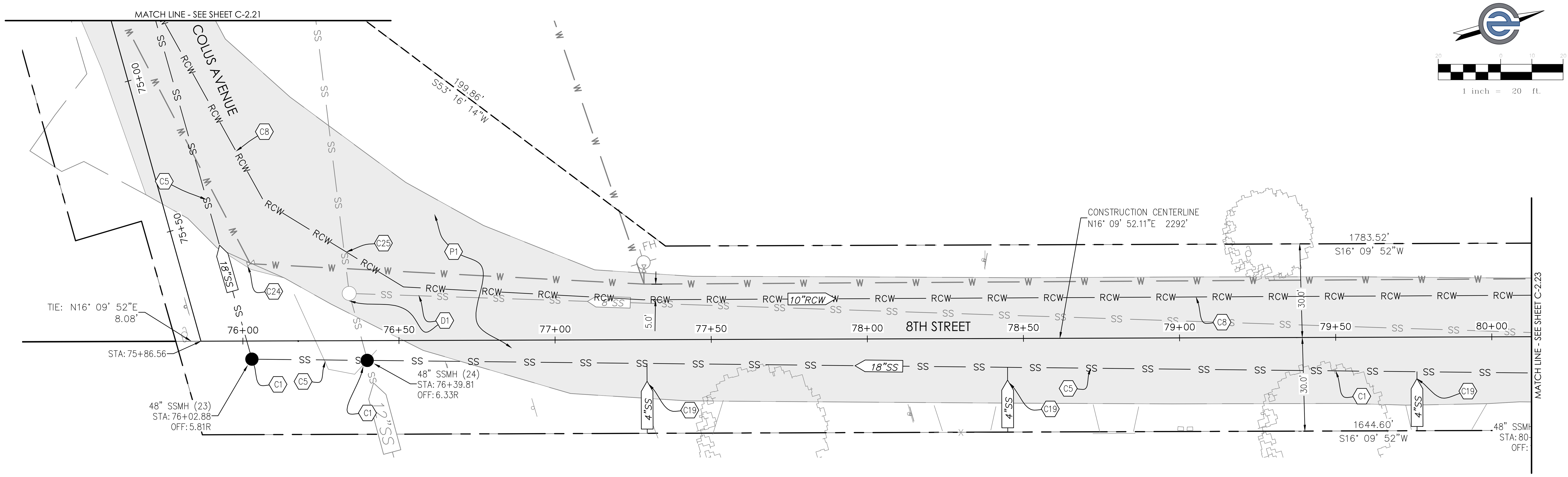
8 PURPLE PVC C900 DR18 RECYCLED WATER FORCE MAIN PER CITY STANDARD DETAIL 4-20

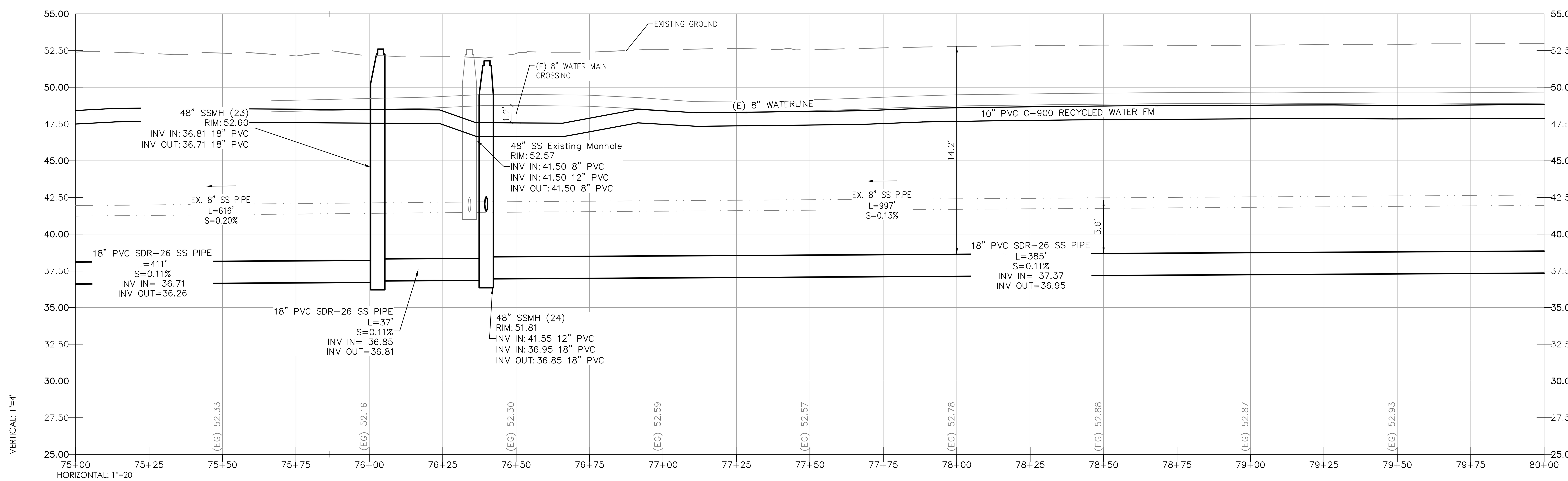
19 SEWER SERVICE CONNECTION- LOCATION UNDETERMINED, CONTRACTOR TO VERIFY

25 UTILITY CROSSING PER DETAIL 6 SHEET C-1.2

Ⓓ **DEMOLITION NOTES**

1 ABANDON IN PLACE EXISTING SEWER INFRASTRUCTURE





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SANITARY SEWER & RECYCLED WATER PROJECT

PROJECT NUMBER **23-209**

SHEET **C-2.22** OF **42**

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(P) PAVING NOTES

1 2" GRIND, PAVING FABRIC, 2" FIBER REINFORCED ASPHALT CONCRETE

(C) CONSTRUCTION NOTES

1 48" SANITARY SEWER MANHOLE PER CITY STANDARD DETAIL 7-15 & 7-21 & DETAIL 4 SHEET C-1.2 AS NECESSARY

5 PVC SDR-26 SANITARY SEWER PIPE PER CITY STANDARD DETAIL 4-20 & DETAIL 4 SHEET C-1.2 AS NECESSARY

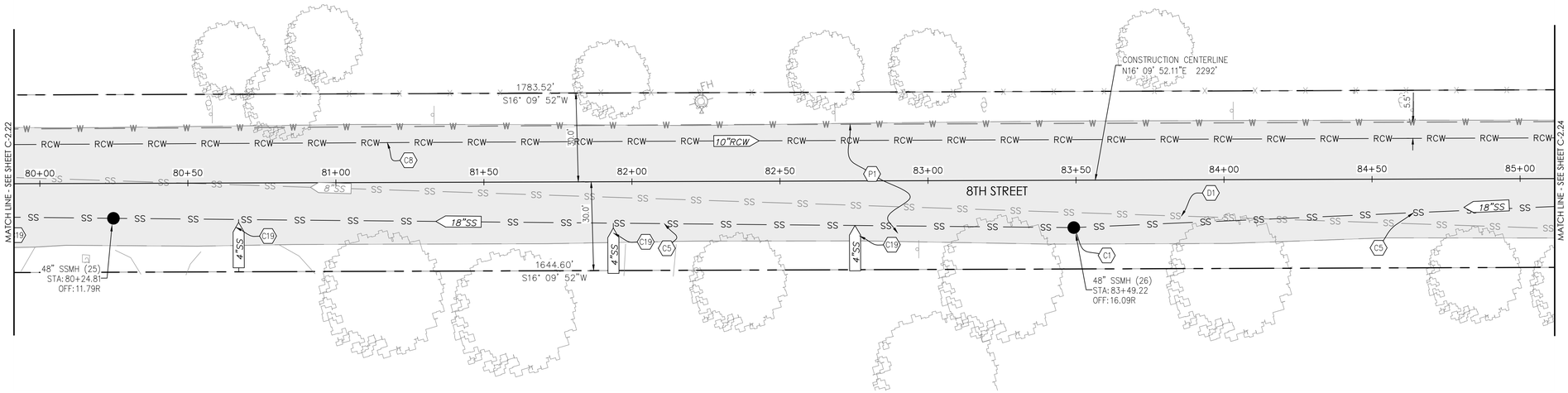
8 PURPLE PVC C900 DR18 RECYCLED WATER FORCE MAIN PER CITY STANDARD DETAIL 4-20

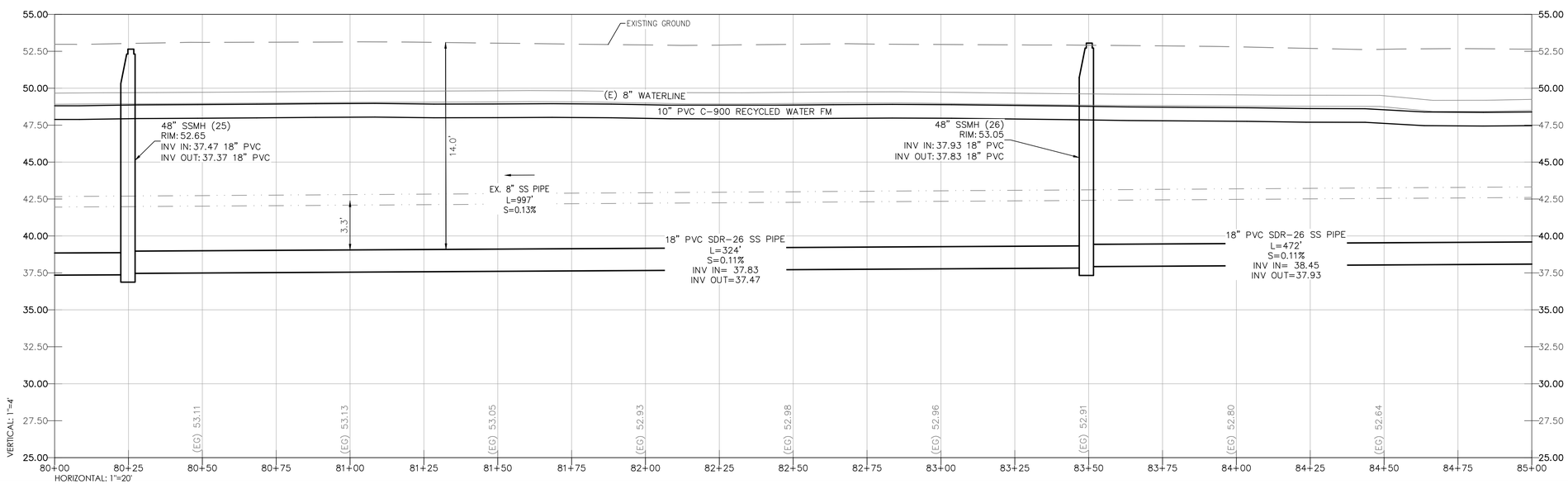
19 SEWER SERVICE CONNECTION- LOCATION UNDETERMINED, CONTRACTOR TO VERIFY

(D) DEMOLITION NOTES

1 ABANDON IN PLACE EXISTING SEWER INFRASTRUCTURE

1 inch = 20 ft.





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SANITARY SEWER & RECYCLED WATER PROJECT

PROJECT NUMBER 23-209

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(P) PAVING NOTES

1 2" GRIND, PAVING FABRIC, 2" FIBER REINFORCED ASPHALT CONCRETE

(C) CONSTRUCTION NOTES

1 48" SANITARY SEWER MANHOLE PER CITY STANDARD DETAIL 7-15 & 7-21 & DETAIL 4 SHEET C-1.2 AS NECESSARY

5 PVC SDR-26 SANITARY SEWER PIPE PER CITY STANDARD DETAIL 4-20 & DETAIL 4 SHEET C-1.2 AS NECESSARY

8 PURPLE PVC C900 DR18 RECYCLED WATER FORCE MAIN PER CITY STANDARD DETAIL 4-20

11 CAP AND THRUST BLOCK AT END OF RECYCLED WATER MAIN PER CITY STANDARD DETAIL 8-2

18 PURPLE PVC C900 DR18 RECYCLED WATER SERVICE PER CITY STANDARD DETAIL 4-20; COORDINATE WITH PROPERTY OWNER FOR SPECIFIC LOCATION

19 SEWER SERVICE CONNECTION- LOCATION UNDETERMINED, CONTRACTOR TO VERIFY

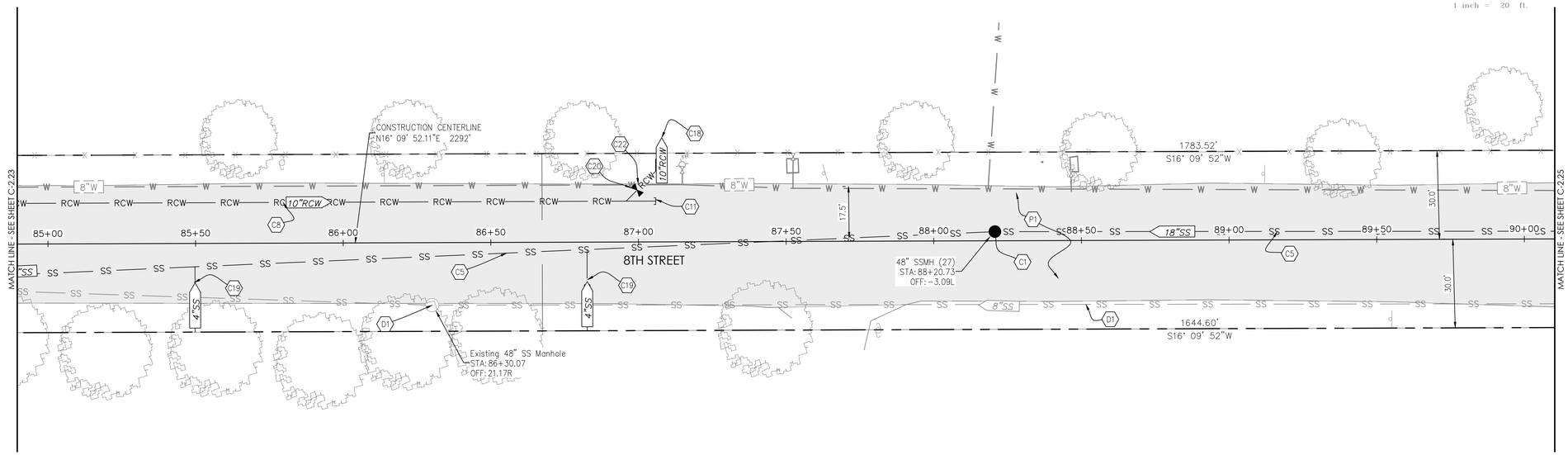
20 RECYCLED WATER GATE VALVE PER CITY STANDARD DETAIL 8-15 & 8-16

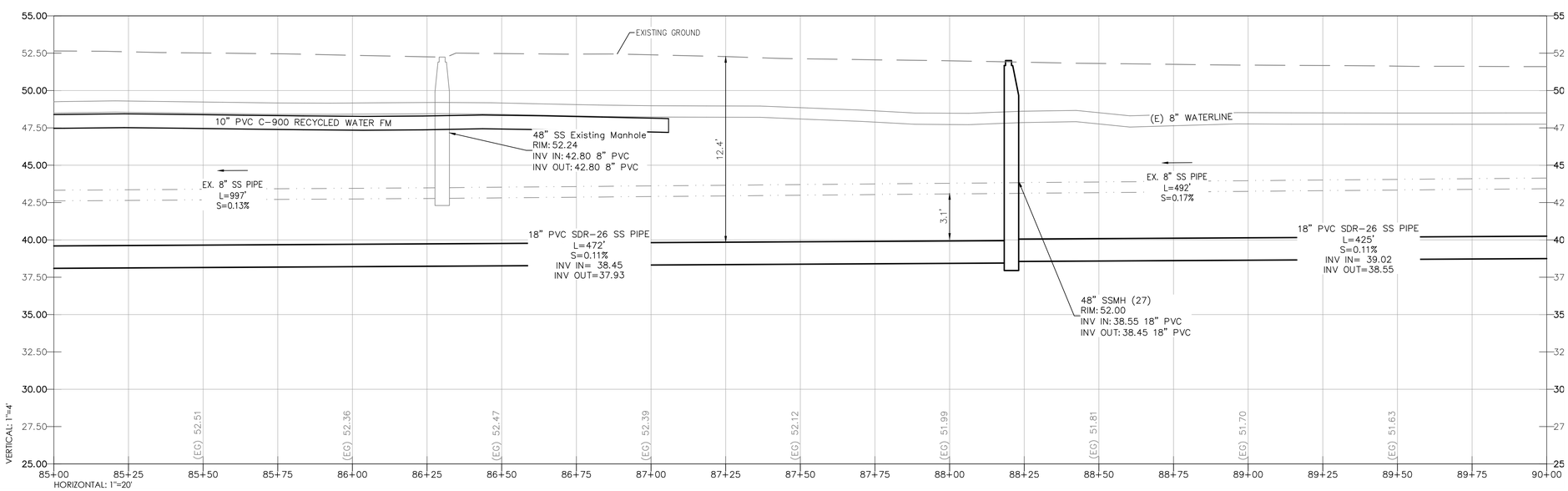
22 UTILITY CROSSING UNDER WATERMAIN- MAINTAIN 1' VERTICAL SEPARATION & PER DETAIL 6 SHEET C-1.2

(D) DEMOLITION NOTES

1 ABANDON IN PLACE EXISTING SEWER INFRASTRUCTURE

1 inch = 20 ft.





NO.	DATE	DESCRIPTION

DATE: 7/28/2026
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DESIGNED BY: MRH
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REGISTERED PROFESSIONAL ENGINEER
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CITY OF COLUSA

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SANITARY SEWER & RECYCLED WATER PROJECT

PROJECT NUMBER 23-209

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(P) PAVING NOTES

1 2" GRIND, PAVING FABRIC, 2" FIBER REINFORCED ASPHALT CONCRETE

(C) CONSTRUCTION NOTES

1 48" SANITARY SEWER MANHOLE PER CITY STANDARD DETAIL 7-15 & 7-21 & DETAIL 4 SHEET C-1.2 AS NECESSARY

5 PVC SDR-26 SANITARY SEWER PIPE PER CITY STANDARD DETAIL 4-20 & DETAIL 4 SHEET C-1.2 AS NECESSARY

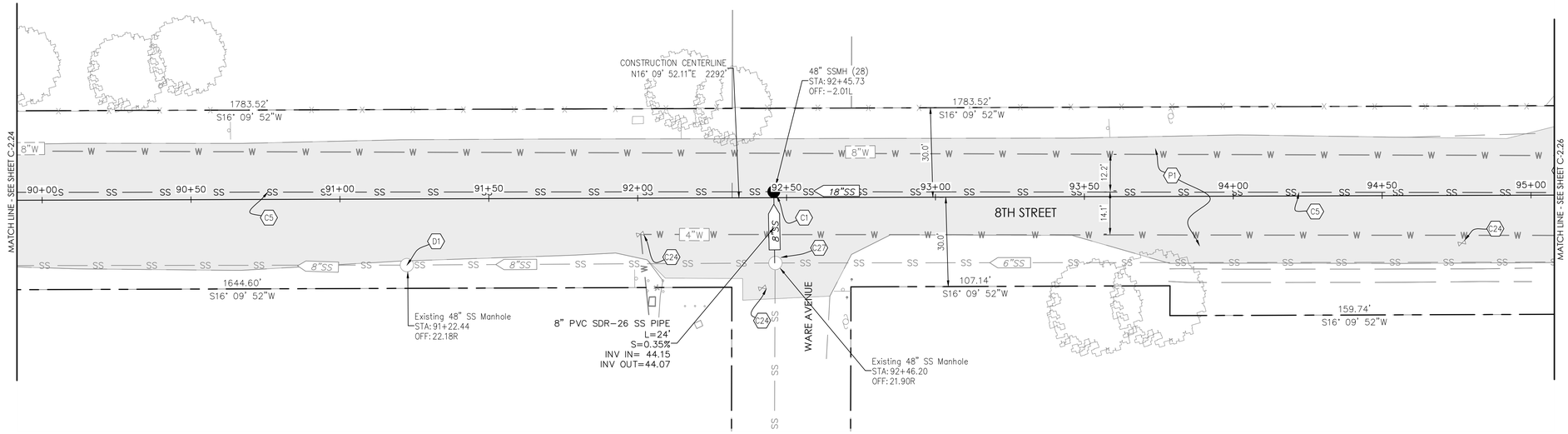
24 ADJUST WATER VALVE FRAME AND LID TO FINISH GRADE

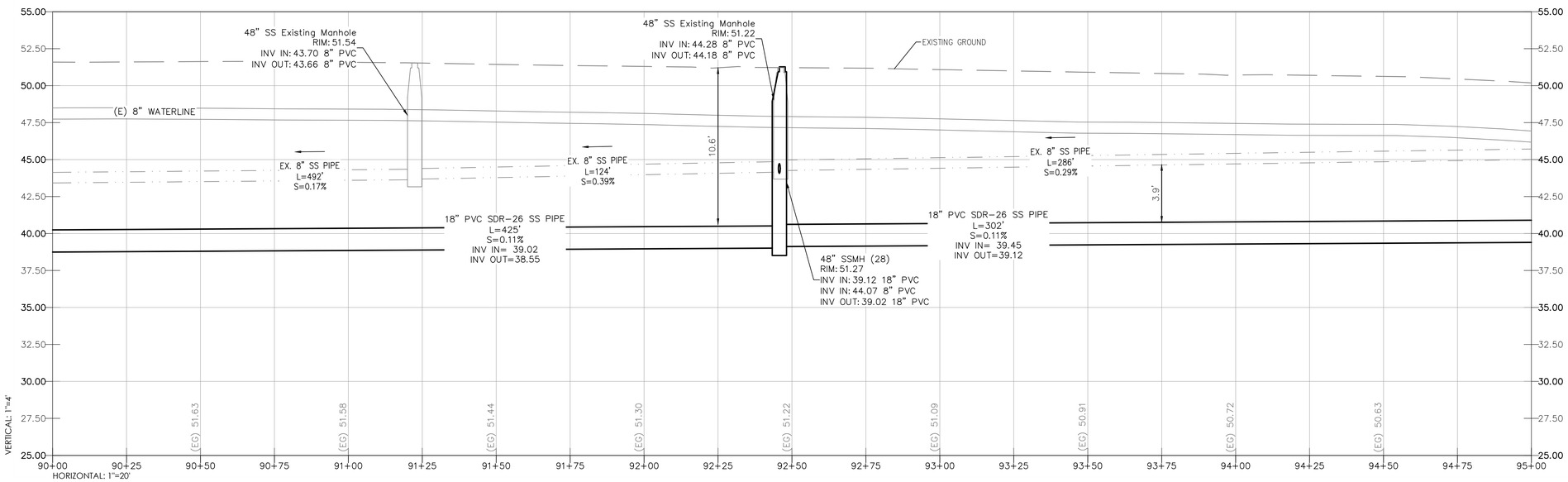
27 CONNECT INTO EXISTING MANHOLE AND PLUG EXISTING PIPE OUTLET

(D) DEMOLITION NOTES

1 ABANDON IN PLACE EXISTING SEWER INFRASTRUCTURE

1 inch = 20 ft.





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CITY OF COLUSA

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STA: 90+00 TO 95+00

SANITARY SEWER & RECYCLED WATER PROJECT

PROJECT NUMBER 23-209

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PAVING NOTES

1 2" GRIND, PAVING FABRIC, 2" FIBER REINFORCED ASPHALT CONCRETE

CONSTRUCTION NOTES

1 48" SANITARY SEWER MANHOLE PER CITY STANDARD DETAIL 7-15 & 7-21 & DETAIL 4 SHEET C-1.2 AS NECESSARY

5 PVC SDR-26 SANITARY SEWER PIPE PER CITY STANDARD DETAIL 4-20 & DETAIL 4 SHEET C-1.2 AS NECESSARY

17 EXISTING SEWER MAIN/MANHOLE CONNECTION PER DETAIL 3 SHEET C-1.2

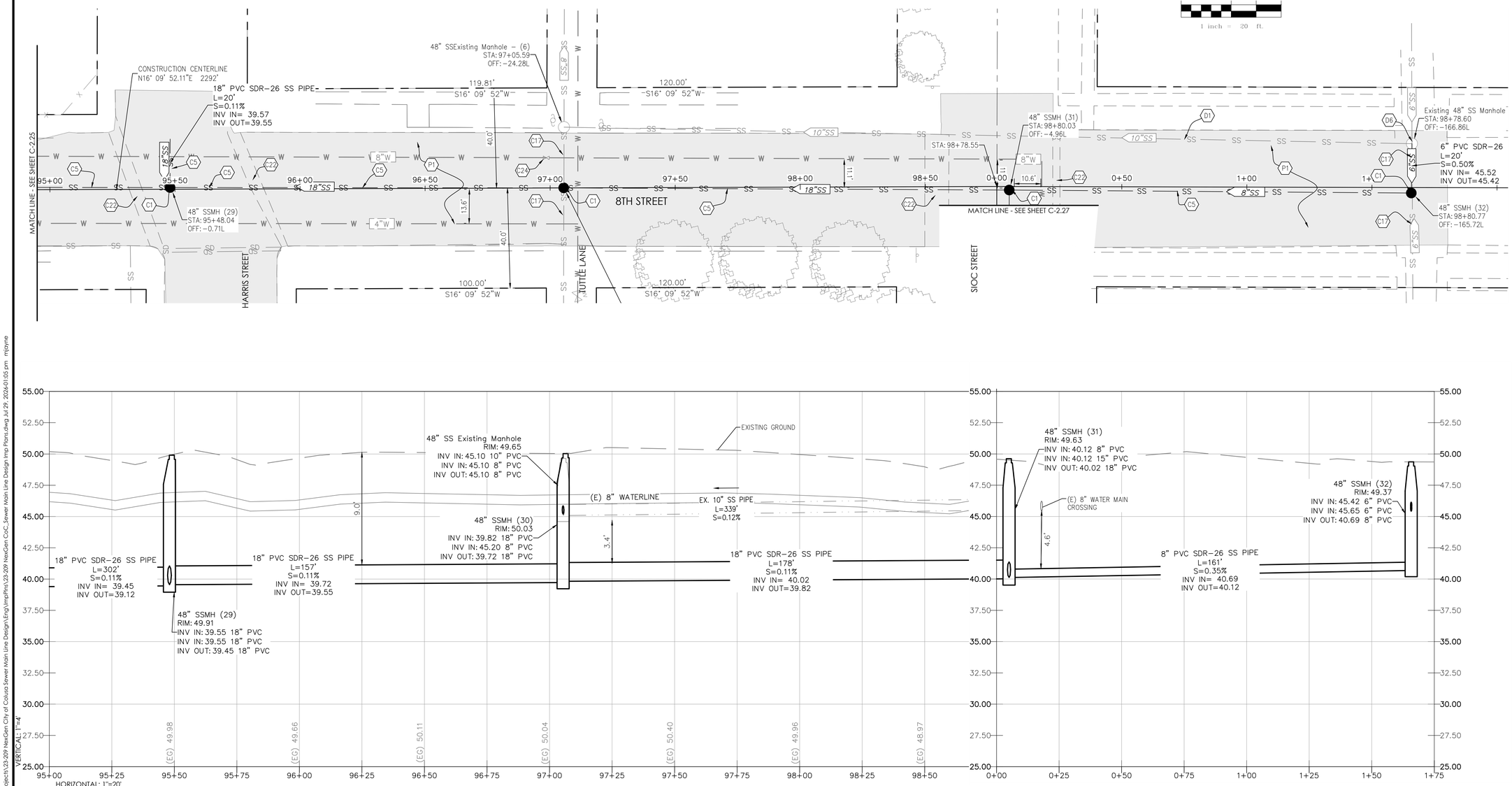
22 PROTECT IN PLACE CONCRETE VALLEY GUTTER OR REPLACEMENT PER DETAIL 5 SHEET C-1.2

24 ADJUST WATER VALVE FRAME AND LID TO FINISH GRADE

DEMOLITION

1 ABANDON IN PLACE EXISTING SEWER INFRASTRUCTURE

6 DEMOLISH EXISTING MANHOLE



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CITY OF COLUSA
8TH STREET
STA: 95+00 TO 98+80
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SANITARY SEWER & RECYCLED WATER PROJECT

PROJECT NUMBER 23-209

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PAVING NOTES

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CONSTRUCTION NOTES

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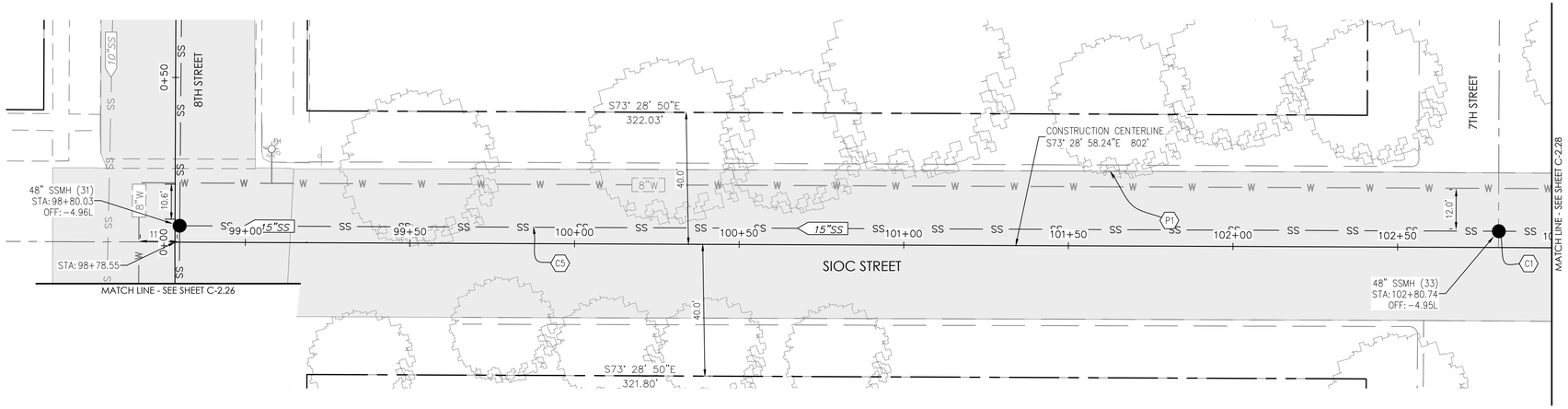
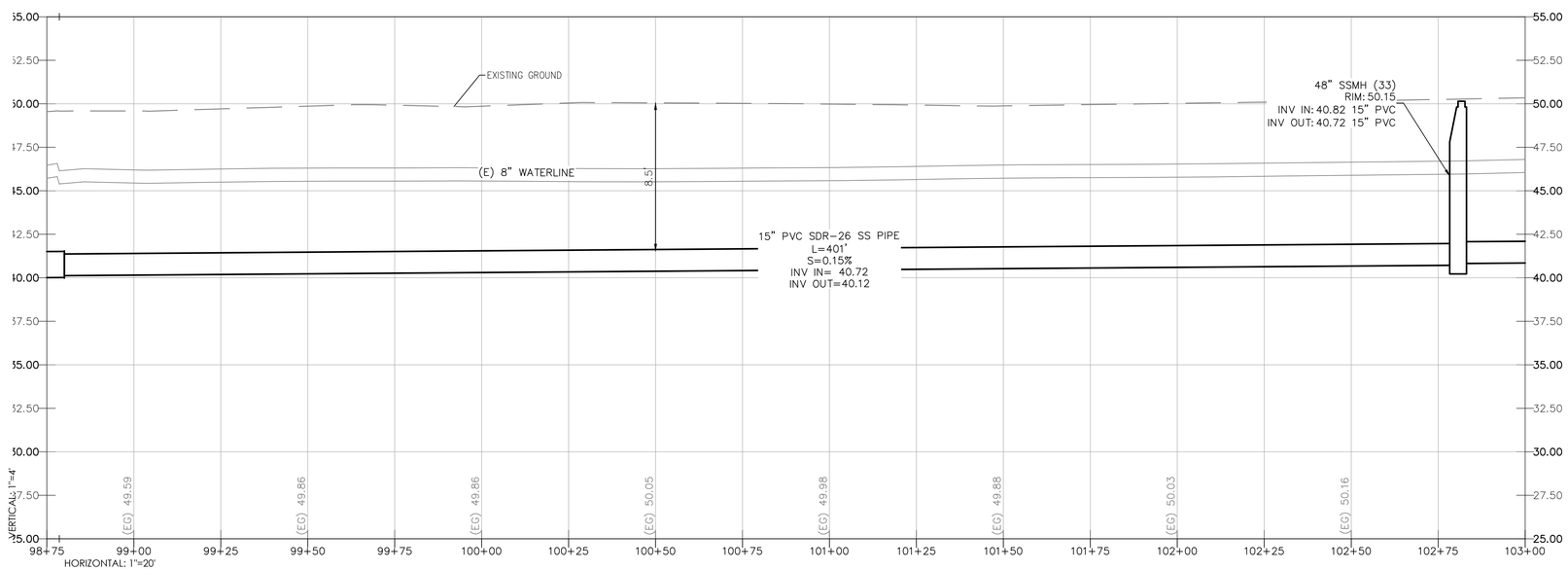
5 PVC SDR-26 SANITARY SEWER PIPE PER CITY STANDARD DETAIL 4-20 & DETAIL 4 SHEET C-1.2 AS NECESSARY

1 inch = 20 ft.





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SCALE: 1" = 20'
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DESIGNED BY: MRH
CHECKED BY: DLS

REGISTERED PROFESSIONAL ENGINEER
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C 91573
CIVIL
STATE OF CALIFORNIA

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CITY OF COLUSA

8TH STREET
STA: 98+80 TO 103+00

SANITARY SEWER & RECYCLED WATER PROJECT

PROJECT NUMBER 23-209

SHEET C-2.27 OF 42

Y:\CEC Jobs\Projects\23-209 NexGen City of Colusa Sewer Main Line Design\Eng\ImpPlns\23-209 NexGen CoC_Sewer Main Line Design Imp Plans.dwg Jul 29, 2026-01:05 pm mpayne

PAVING NOTES

1 2" GRIND, PAVING FABRIC, 2" FIBER REINFORCED ASPHALT CONCRETE

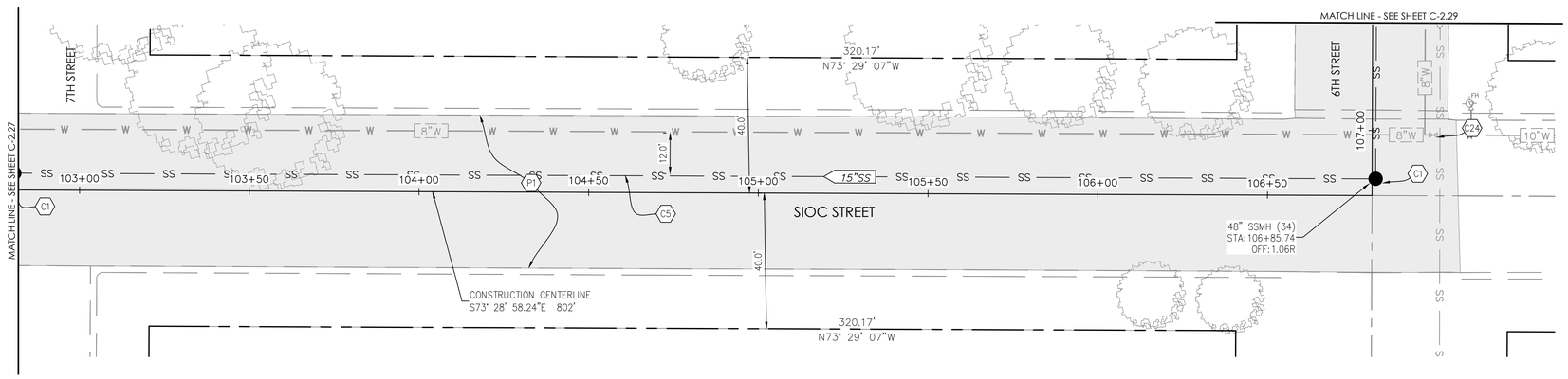
CONSTRUCTION NOTES

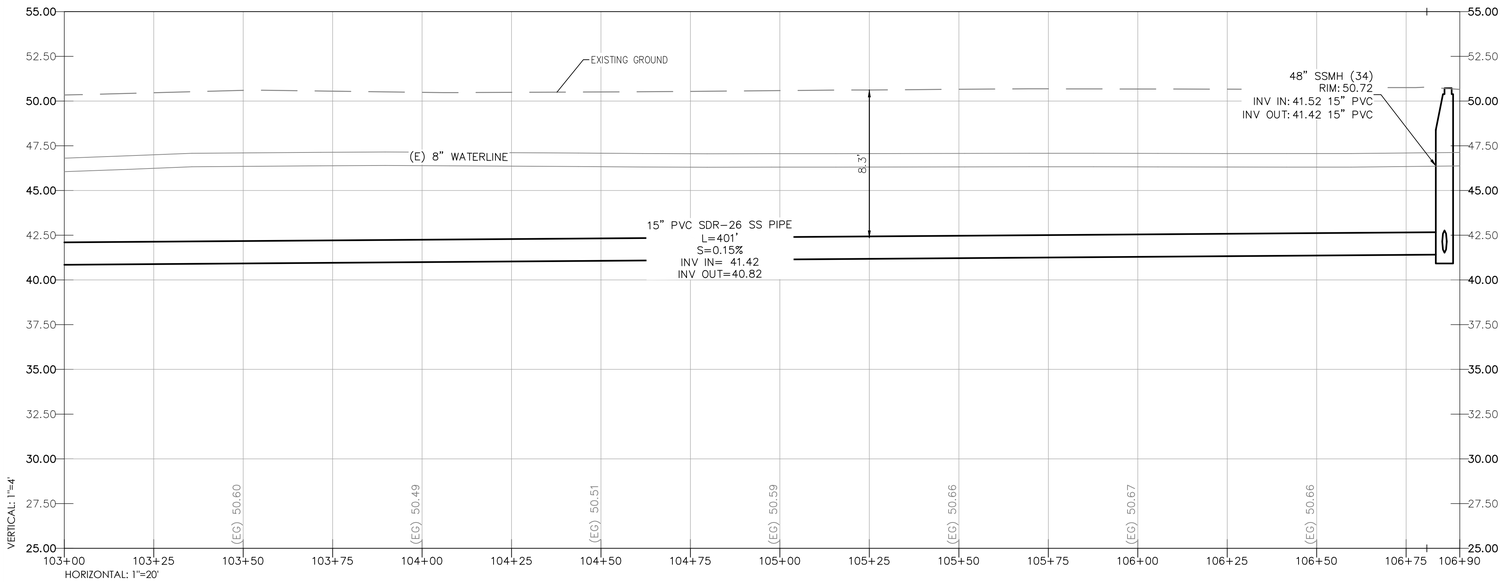
1 48" SANITARY SEWER MANHOLE PER CITY STANDARD DETAIL 7-15 & 7-21 & DETAIL 4 SHEET C-1.2 AS NECESSARY

5 PVC SDR-26 SANITARY SEWER PIPE PER CITY STANDARD DETAIL 4-20 & DETAIL 4 SHEET C-1.2 AS NECESSARY

24 ADJUST WATER VALVE FRAME AND LID TO FINISH GRADE

1 inch = 20 ft.





NO.	DATE	DESCRIPTION

DATE: 7/28/2026
SCALE: 1" = 20'
DRAWN BY: KAP
DESIGNED BY: MRH
CHECKED BY: DLS

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STATE OF CALIFORNIA

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CITY OF COLUSA

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SANITARY SEWER & RECYCLED WATER PROJECT

PROJECT NUMBER 23-209

SHEET C-2.28 OF 42

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(S) PAVING NOTES

1 2" GRIND, PAVING FABRIC, 2" FIBER REINFORCED ASPHALT CONCRETE

(C) CONSTRUCTION NOTES

1 48" SANITARY SEWER MANHOLE PER CITY STANDARD DETAIL 7-15 & 7-21 & DETAIL 4 SHEET C-1.2 AS NECESSARY

5 PVC SDR-26 SANITARY SEWER PIPE PER CITY STANDARD DETAIL 4-20 & DETAIL 4 SHEET C-1.2 AS NECESSARY

17 EXISTING SEWER MAIN/MANHOLE CONNECTION PER DETAIL 3 SHEET C-1.2

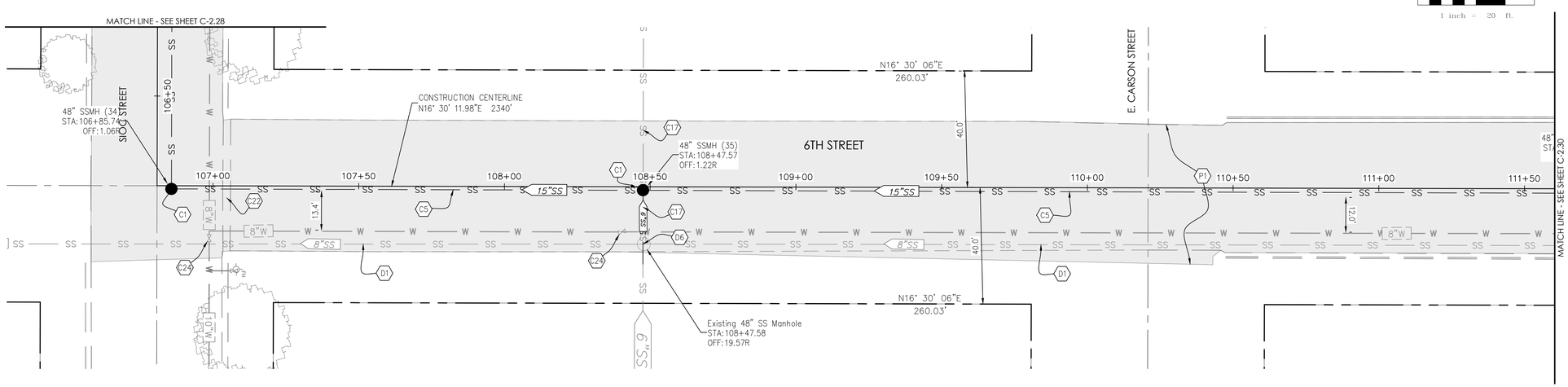
22 PROTECT IN PLACE CONCRETE VALLEY GUTTER OR REPLACEMENT PER DETAIL 5 SHEET C-1.2

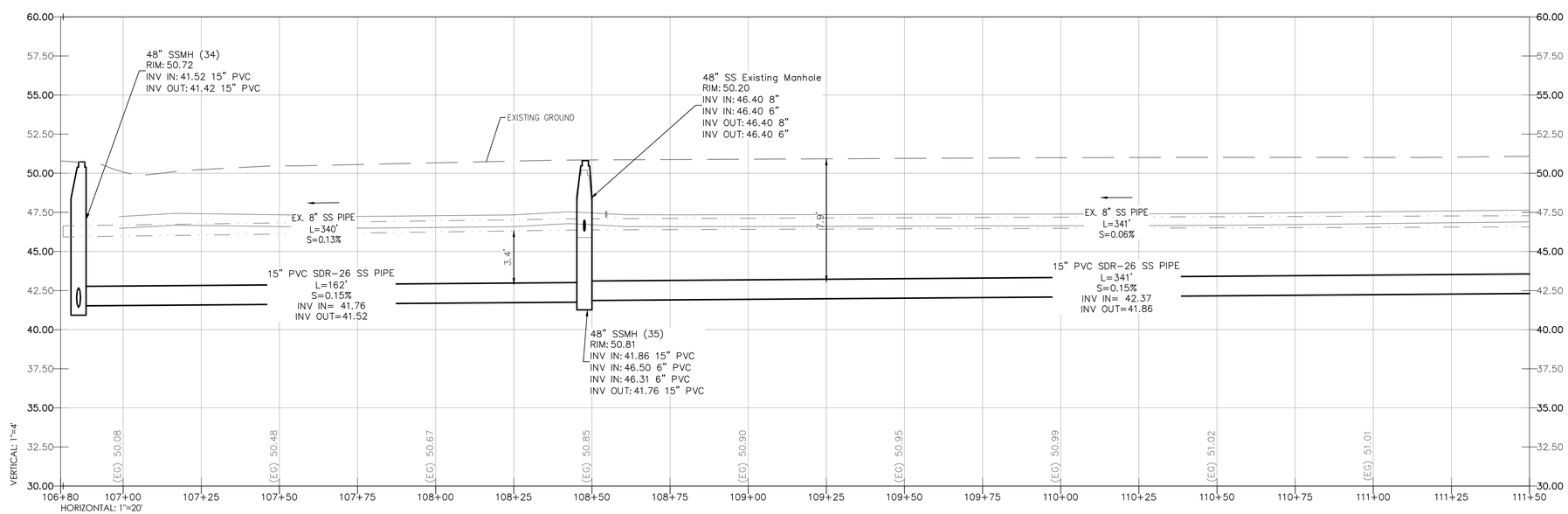
24 ADJUST WATER VALVE FRAME AND LID TO FINISH GRADE

(D) DEMOLITION

1 ABANDON IN PLACE EXISTING SEWER INFRASTRUCTURE

6 DEMOLISH EXISTING MANHOLE





NO.	DATE	DESCRIPTION

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CITY OF COLUSA

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SANITARY SEWER & RECYCLED WATER PROJECT

PROJECT NUMBER 23-209

SHEET C-2.29 OF 42

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PAVING NOTES

1 2" GRIND, PAVING FABRIC, 2" FIBER REINFORCED ASPHALT CONCRETE

CONSTRUCTION NOTES

1 48" SANITARY SEWER MANHOLE PER CITY STANDARD DETAIL 7-15 & 7-21 & DETAIL 4 SHEET C-1.2 AS NECESSARY

5 PVC SDR-26 SANITARY SEWER PIPE PER CITY STANDARD DETAIL 4-20 & DETAIL 4 SHEET C-1.2 AS NECESSARY

17 EXISTING SEWER MAIN/MANHOLE CONNECTION PER DETAIL 3 SHEET C-1.2

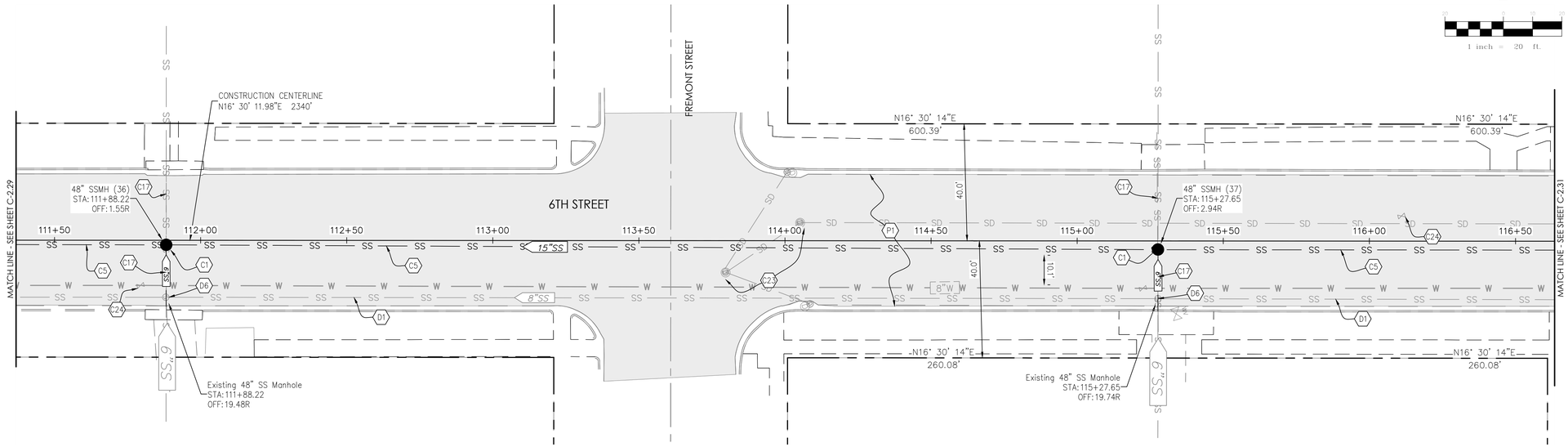
23 ADJUST STORM DRAIN MANHOLE FRAME AND LID TO FINISH GRADE

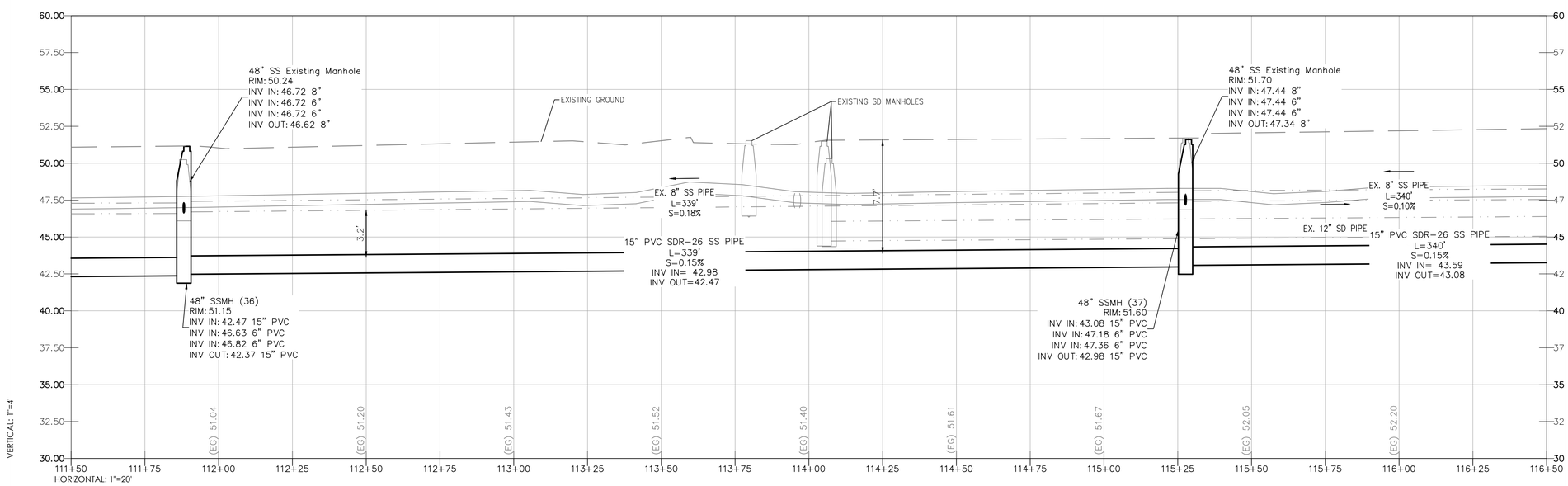
24 ADJUST WATER VALVE FRAME AND LID TO FINISH GRADE

DEMOLITION

1 ABANDON IN PLACE EXISTING SEWER INFRASTRUCTURE

6 DEMOLISH EXISTING MANHOLE





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SANITARY SEWER & RECYCLED WATER PROJECT

PROJECT NUMBER 23-209

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(S) **PAVING NOTES**

1 2" GRIND, PAVING FABRIC, 2" FIBER REINFORCED ASPHALT CONCRETE

(C) **CONSTRUCTION NOTES**

1 48" SANITARY SEWER MANHOLE PER CITY STANDARD DETAIL 7-15 & 7-21 & DETAIL 4 SHEET C-1.2 AS NECESSARY

5 PVC SDR-26 SANITARY SEWER PIPE PER CITY STANDARD DETAIL 4-20 & DETAIL 4 SHEET C-1.2 AS NECESSARY

17 EXISTING SEWER MAIN/MANHOLE CONNECTION PER DETAIL 3 SHEET C-1.2

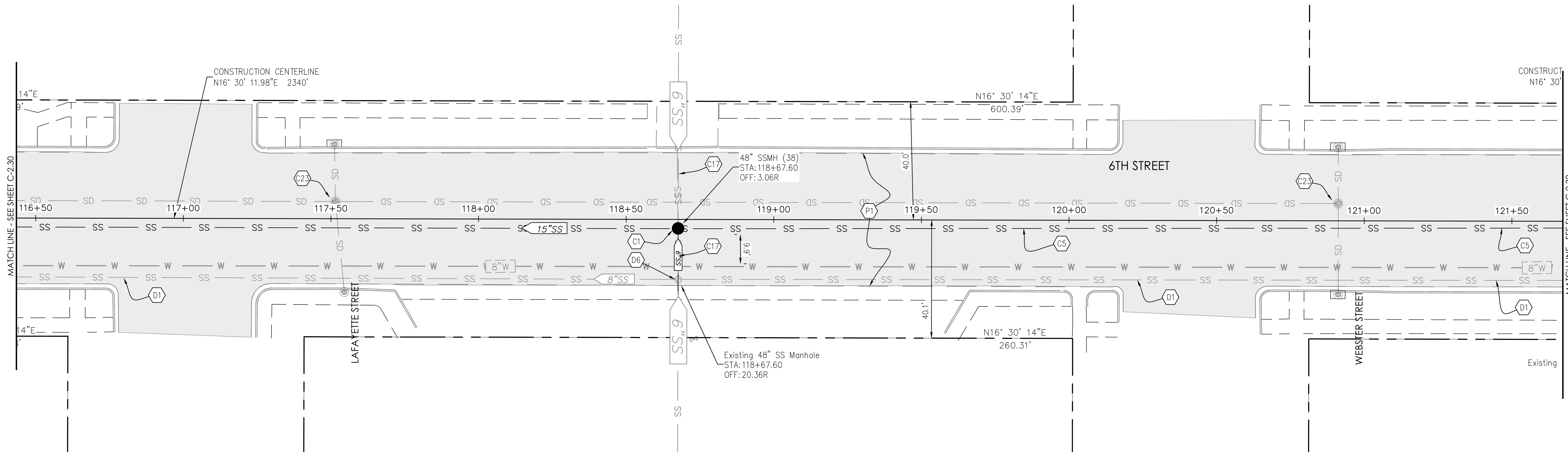
23 ADJUST STORM DRAIN MANHOLE FRAME AND LID TO FINISH GRADE

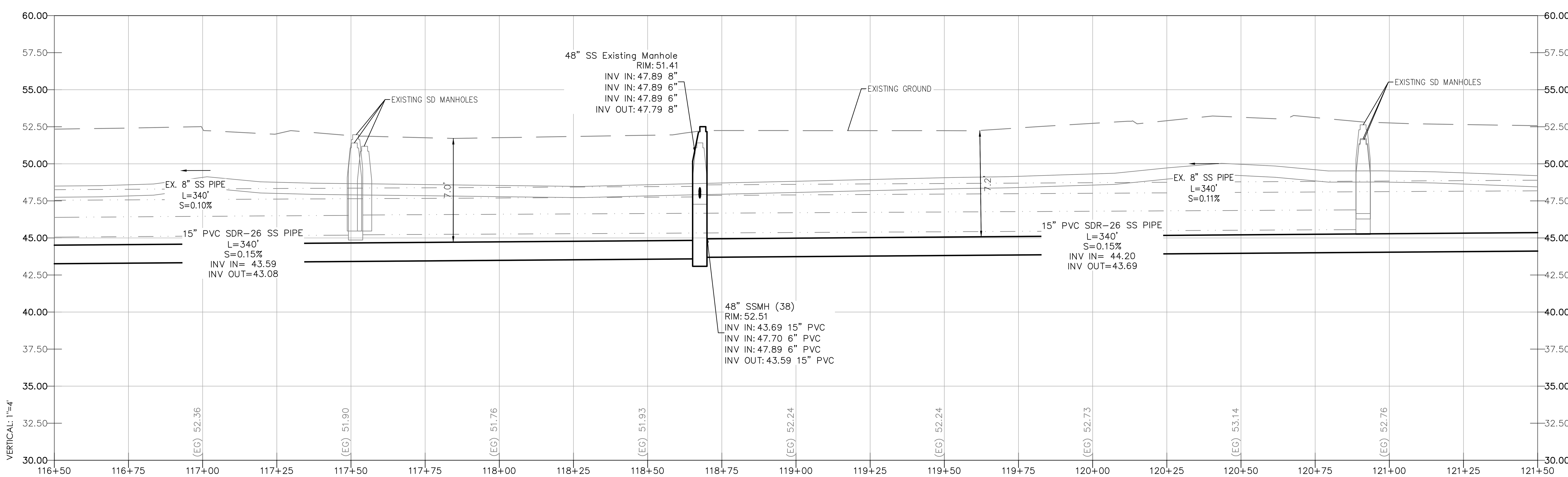
(D) **DEMOLITION**

1 ABANDON IN PLACE EXISTING SEWER INFRASTRUCTURE

6 DEMOLISH EXISTING MANHOLE

1 inch = 20 ft.





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SANITARY SEWER & RECYCLED WATER PROJECT

PROJECT NUMBER
23-209

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C-2.31 OF **42**

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PAVING NOTES (S)

1. 2" GRIND, PAVING FABRIC, 2" FIBER REINFORCED ASPHALT CONCRETE

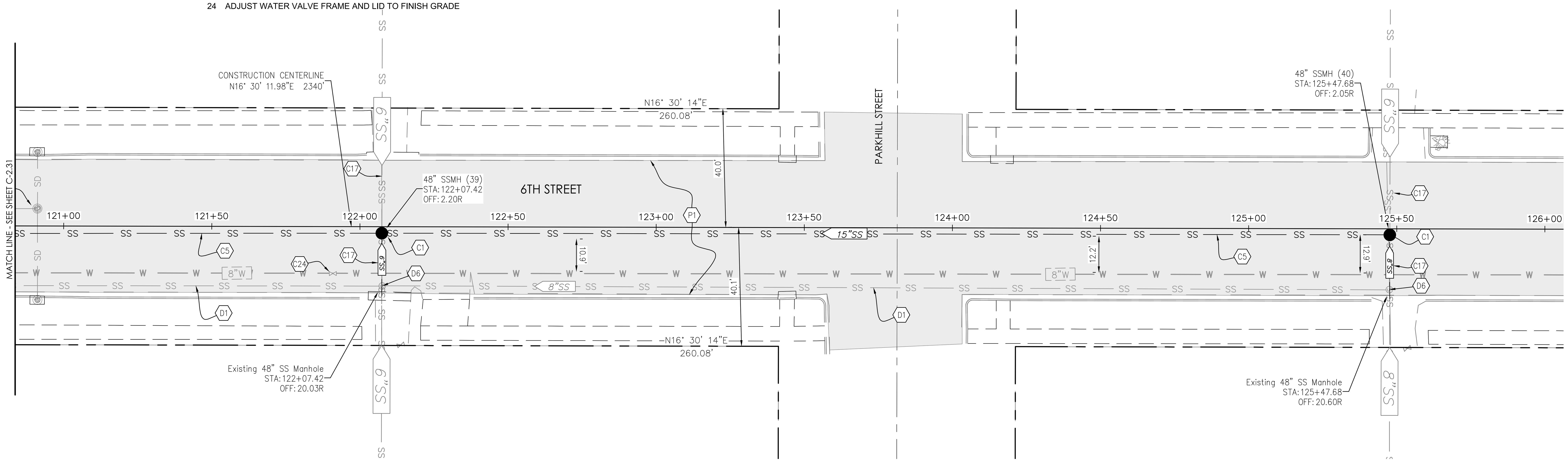
CONSTRUCTION NOTES (C)

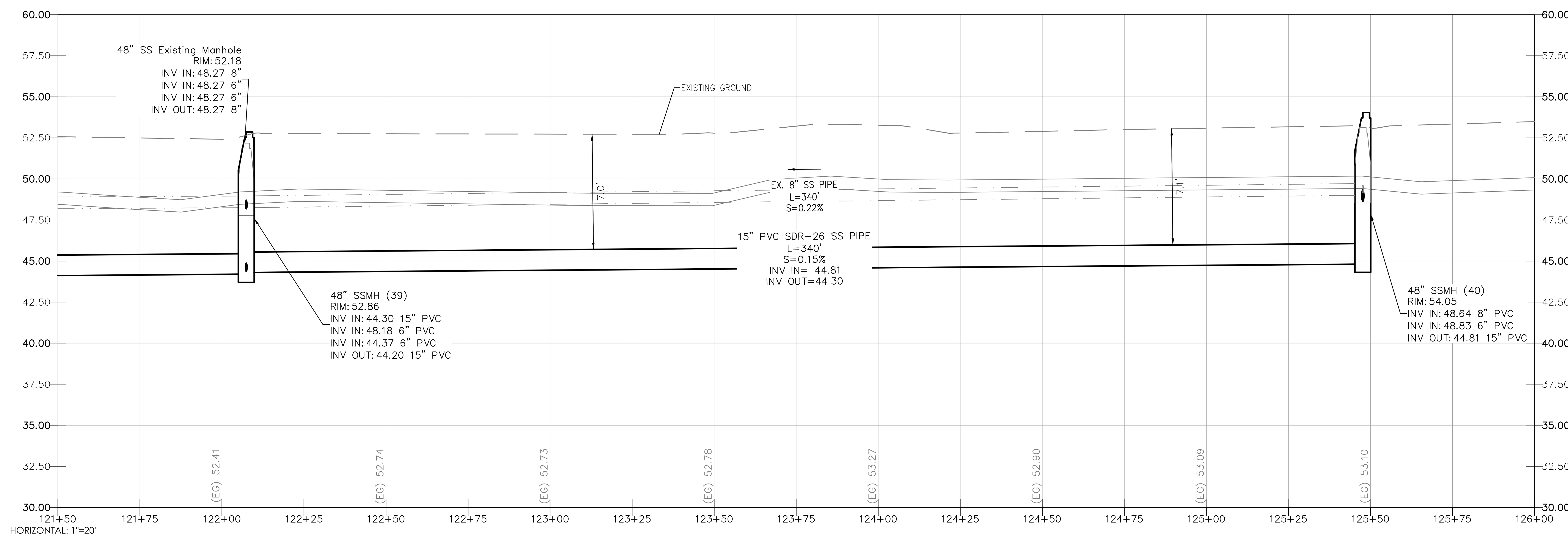
1. 48" SANITARY SEWER MANHOLE PER CITY STANDARD DETAIL 7-15 & 7-21 & DETAIL 4 SHEET C-1.2 AS NECESSARY
5. PVC SDR-26 SANITARY SEWER PIPE PER CITY STANDARD DETAIL 4-20 & DETAIL 4 SHEET C-1.2 AS NECESSARY
17. EXISTING SEWER MAIN/MANHOLE CONNECTION PER DETAIL 3 SHEET C-1.2
24. ADJUST WATER VALVE FRAME AND LID TO FINISH GRADE

DEMOLITION (D)

1. ABANDON IN PLACE EXISTING SEWER INFRASTRUCTURE
6. DEMOLISH EXISTING MANHOLE

1 inch = 20 ft.





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NO.	DATE	DESCRIPTION

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SANITARY SEWER & RECYCLED WATER PROJECT

PROJECT NUMBER **23-209**

SHEET **C-2.32** OF **42**

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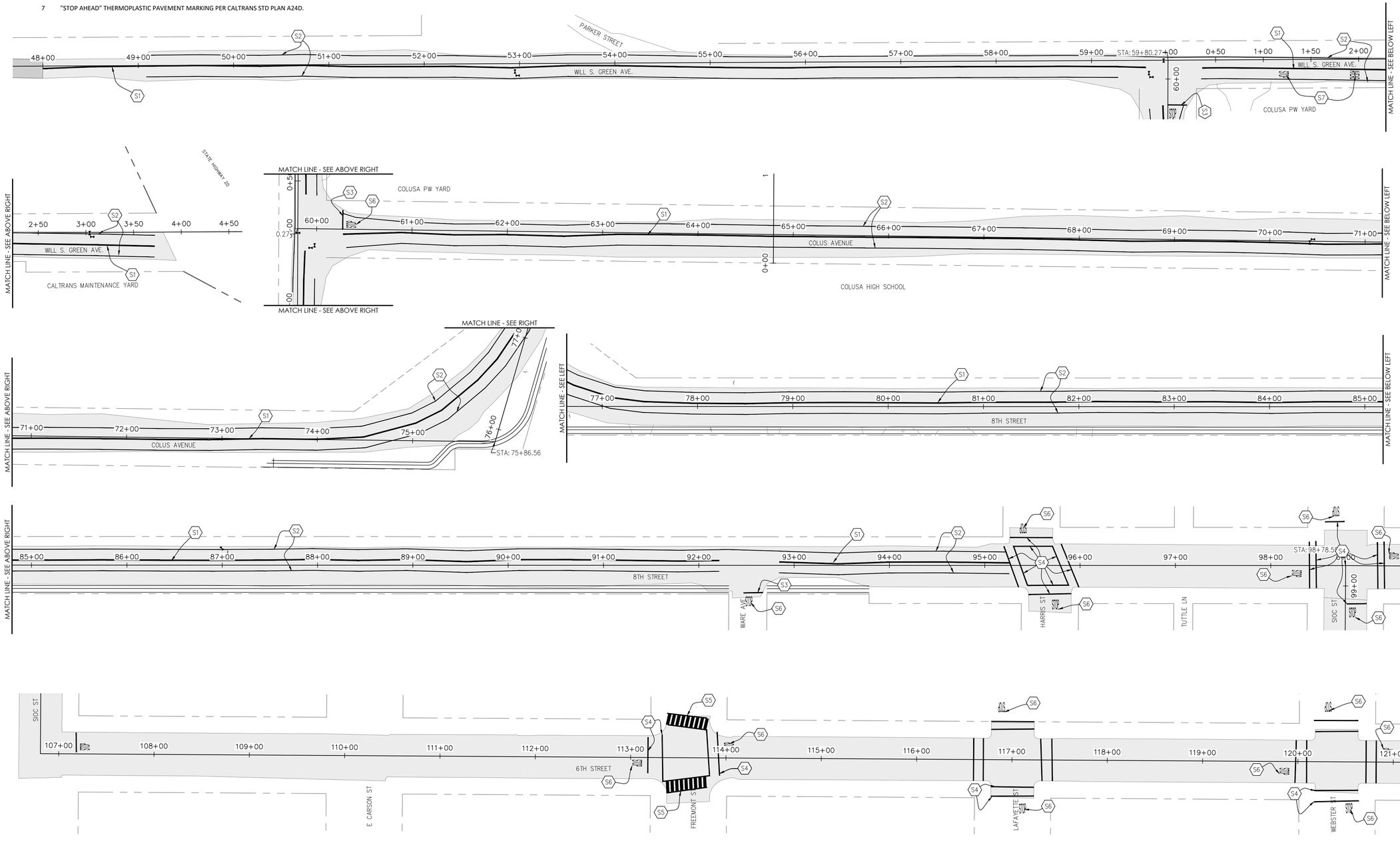
STRIPING NOTES

1. DOUBLE YELLOW THERMOPLASTIC LINE CALTRANS DETAIL 22 PER CALTRANS STANDARD PLAN A20A WITH TYPE D BLUE TWO-WAY RETROFELCTIVE PAVEMENT MARKER AT HYDRANT LOCATIONS
2. RIGHT EDGE LINE DETAIL 27B PER CALTRANS STANDARD PLAN A20B
3. WHITE 12" THERMOPLASTIC LIMIT LINE
4. YELLOW 12" THERMOPLASTIC LIMIT LINE
5. YELLOW THERMOPLASTIC LADDER CROSSWALK PER CALTRANS STANDARD PLAN A24F
6. "STOP" THERMOPLASTIC PAVEMENT MARKING PER CALTRANS STD PLAN A24D.
7. "STOP AHEAD" THERMOPLASTIC PAVEMENT MARKING PER CALTRANS STD PLAN A24D.



NO.	DATE	DESCRIPTION

DATE: 7/28/2026
SCALE: 1" = 500'
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DESIGNED BY: MRH
CHECKED BY: DLS

REGISTERED PROFESSIONAL ENGINEER
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CITY OF COLUSA

STRIPING

SANITARY SEWER & RECYCLED WATER PROJECT

PROJECT NUMBER 23-209

SHEET C-3.1 OF 42

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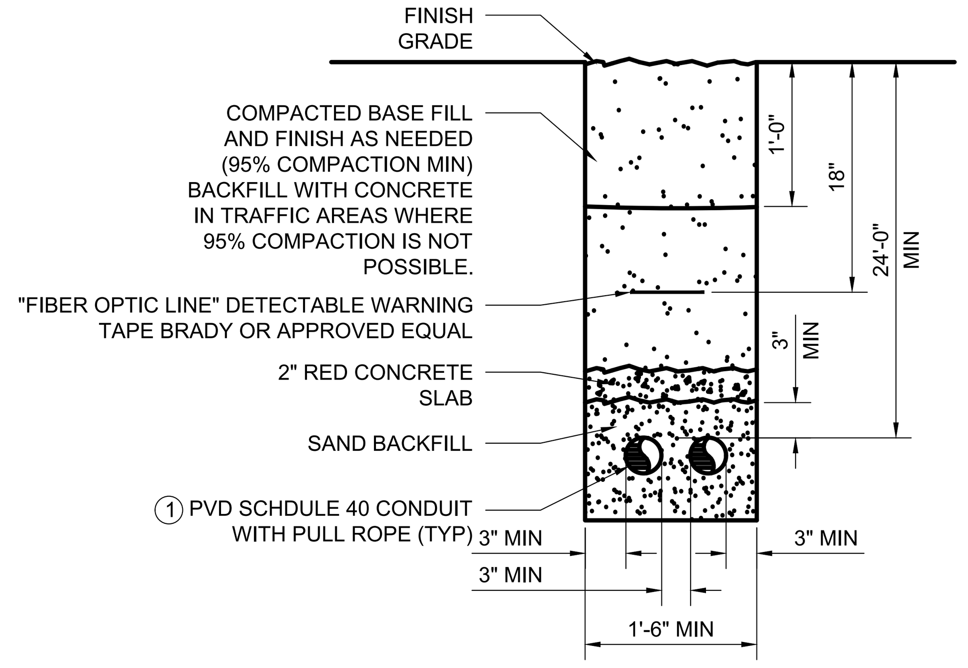
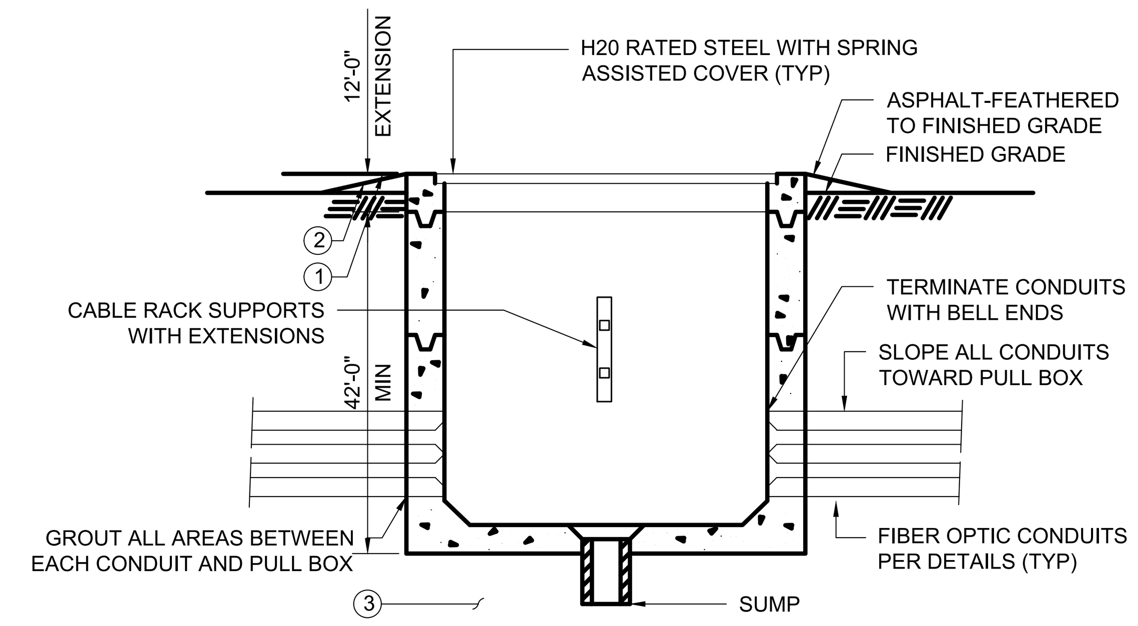


○ DETAIL NOTES

1. MAINTAIN A MINIMUM OF 12" SEPARATION BETWEEN FIBER OPTIC CONDUITS AND PROCESS PIPELINES.

CONDUIT TRENCH (A / TYP)

SCALE: NONE

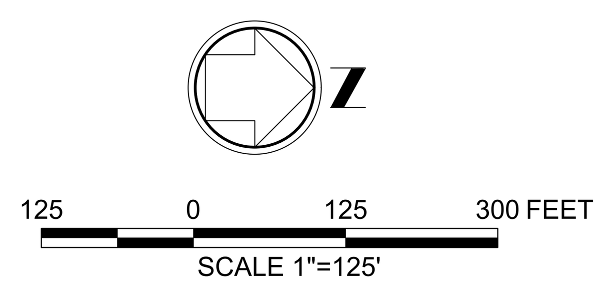


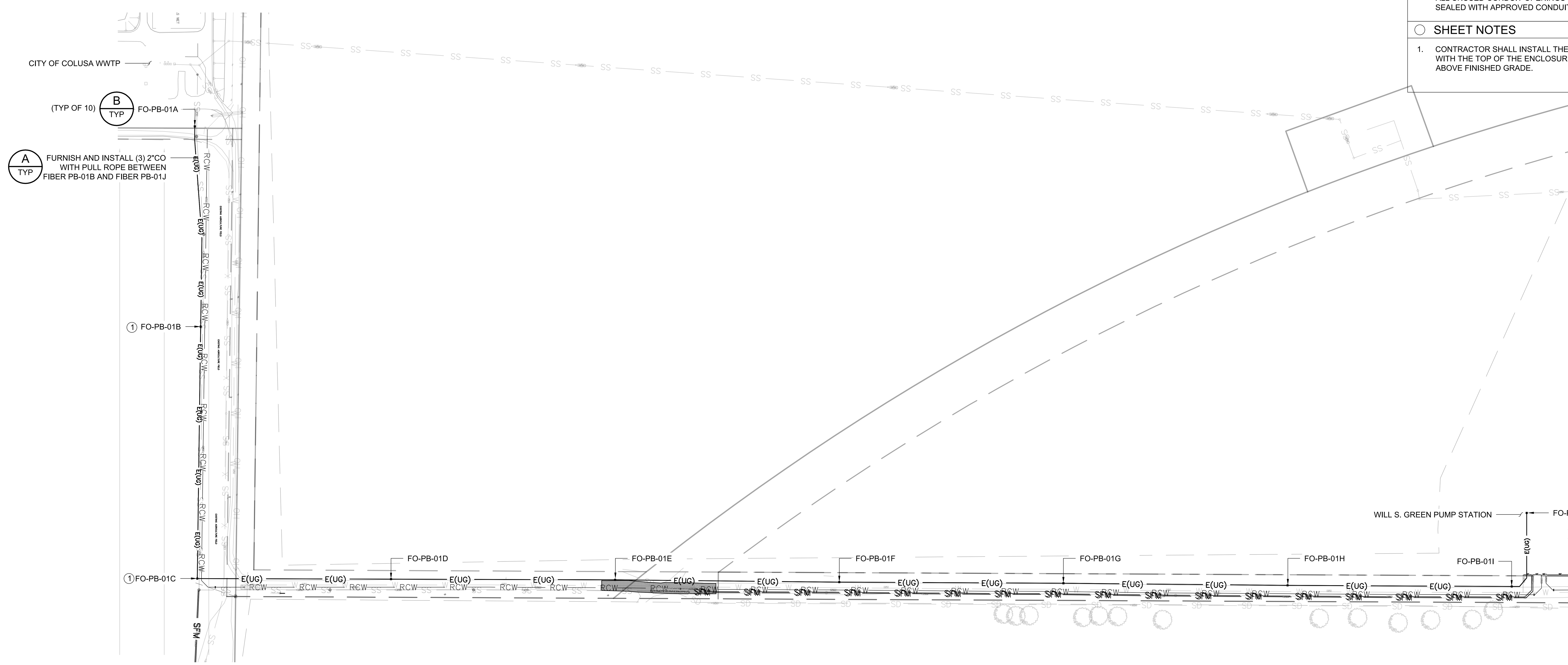
○ DETAIL NOTES

1. ELEVATION AT PAVED AREAS.
2. ELEVATION AT UNPAVED AREAS.
3. PROVIDE A MINIMUM 4" DIAMETER PVC PIPE TO A 3'x3'x3' DRAIN ROCK PIT (3/4" CRUSHED ROCK).

TRAFFIC RATED CONCRETE PULLBOX (B / TYP)

SCALE: NONE





GENERAL NOTES

A. PROVIDE TWO (3) 2-INCH PVC SCHEDULE 40 CONDUITS FOR FUTURE FIBER OPTIC INSTALLATION.

B. INSTALL PULL ROPE IN EACH CONDUIT. PULL ROPE SHALL BE CONTINUOUS BETWEEN PULL BOXES.

C. ALL CONDUIT ENDS SHALL BE FITTED WITH BELL ENDS.

D. MAINTAIN 12-INCH MINIMUM HORIZONTAL SEPARATION BETWEEN FIBER OPTIC CONDUITS AND ANY PROCESS PIPING, WATER LINES, GAS LINES, OR OTHER UTILITIES.

E. WHERE VERTICAL SEPARATION IS REQUIRED, PROVIDE 12 INCHES MINIMUM UNLESS OTHERWISE DIRECTED.

F. MAINTAIN TRENCH WIDTH SUFFICIENT TO MEET SEPARATION REQUIREMENTS AND ALLOW PROPER COMPACTION.

G. FIBER OPTIC PULL BOXES SHALL BE H20 TRAFFIC RATED WITH 24"X36" MINIMUM INTERIOR DIMENSIONS, CONCRETE TYPE WITH STEEL SPRING ASSISTED LIDS, JENSEN MODEL PB2436 OR APPROVED EQUAL.

H. PULL BOXES SHALL BE SET FLUSH WITH FINISHED GRADE AND INSTALLED ON A COMPACTED BASE PER MANUFACTURER REQUIREMENTS.

I. CONDUITS SHALL ENTER PULL BOXES SQUARE AND ALIGNED, WITH PROPER SPACING AND ELEVATION TO ALLOW CABLE PULLING WITHOUT OBSTRUCTION.

J. ALL UNUSED CONDUIT OPENINGS SHALL BE SEALED WITH APPROVED CONDUIT PLUGS.

○ SHEET NOTES

1. CONTRACTOR SHALL INSTALL THE PULL BOX WITH THE TOP OF THE ENCLOSURE SET AT 12" ABOVE FINISHED GRADE.

NO.	DATE	DESCRIPTION

DATE: 07/09/2026
SCALE: AS NOTED
DRAWN BY: JF
DESIGNED BY: JF
CHECKED BY: JP

REGISTERED PROFESSIONAL ENGINEER — JAVIER FERNANDEZ — No. E21880 — Exp. 6/30/27 — ELECTRICAL — STATE OF CALIFORNIA

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CITY OF COLUSA

COMMUNICATION PLAN

SANITARY SEWER & RECYCLED WATER PROJECT

PROJECT NUMBER 23-209

SHEET C-4.1 OF 42

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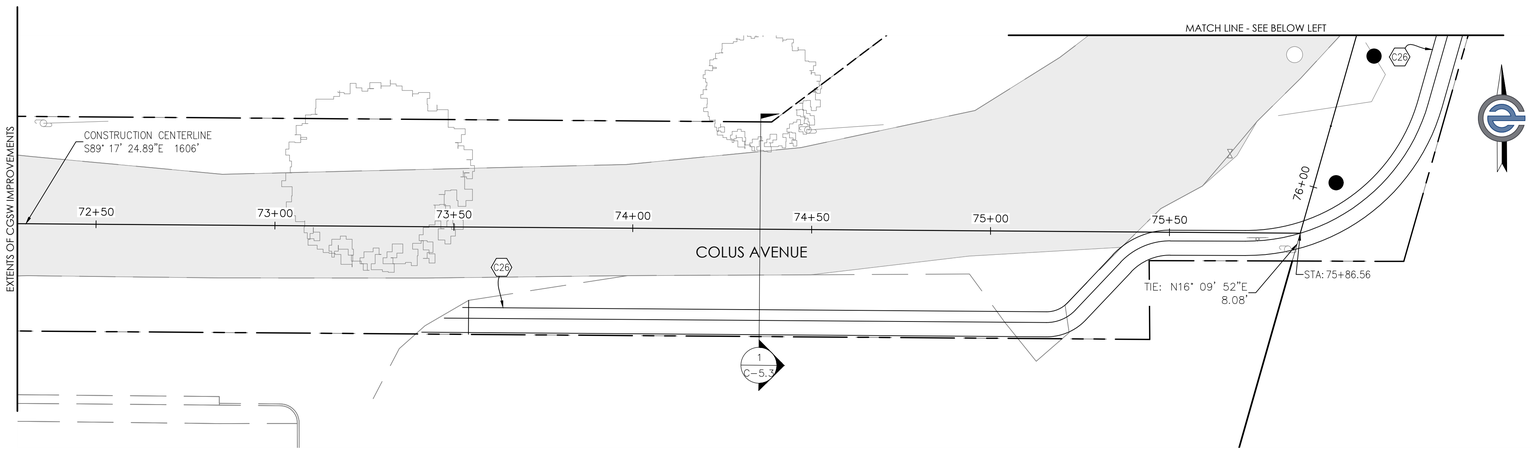
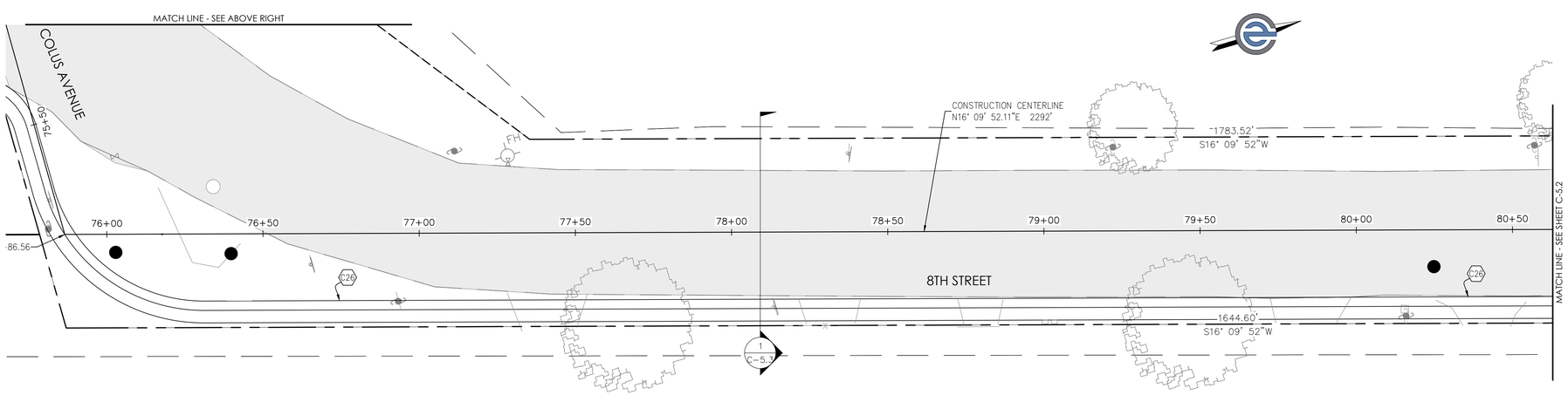
CONSTRUCTION NOTES

26 ROLLED CURB, GUTTER, AND SIDEWALK (TYPE 1) PER CITY STANDARD DETAIL 4-1

1 inch = 20 ft.





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MARISA ROSE HERRERA
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CITY OF COLUSA
COLUS AVE- CONCRETE
STA: 72+50 TO 76+00
8TH ST
STA: 76+00 TO 80+50
SANITARY SEWER & RECYCLED WATER PROJECT

PROJECT NUMBER 23-209

SHEET C-5.1 OF 42

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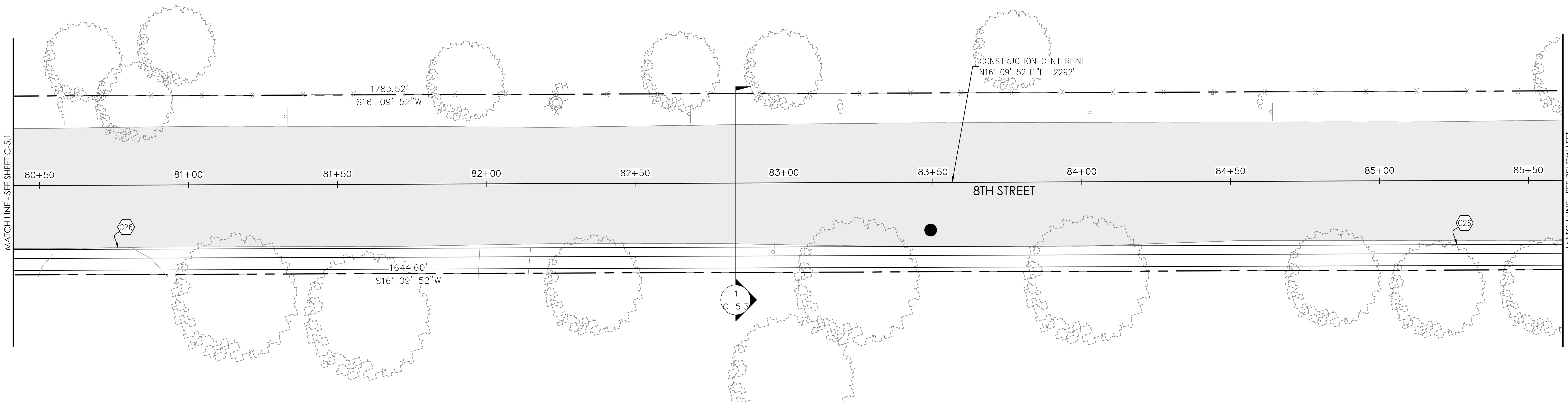
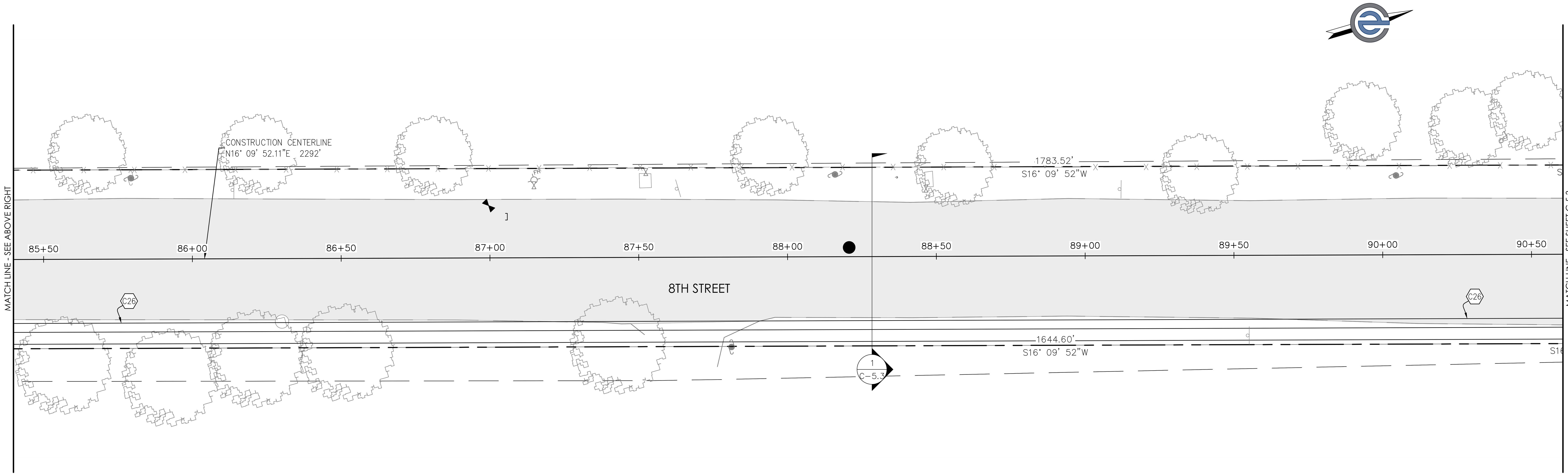
CONSTRUCTION NOTES

26 ROLLED CURB, GUTTER, AND SIDEWALK (TYPE 1) PER CITY STANDARD DETAIL 4-1

1 inch = 20 ft.





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REGISTERED PROFESSIONAL ENGINEER MARISA ROSE HEWITT C 91572 CIVIL STATE OF CALIFORNIA

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CITY OF COLUSA

8TH STREET- CONCRETE
STA: 80+50 TO 90+50

SANITARY SEWER & RECYCLED WATER PROJECT

PROJECT NUMBER 23-209

SHEET C-5.2 OF 42

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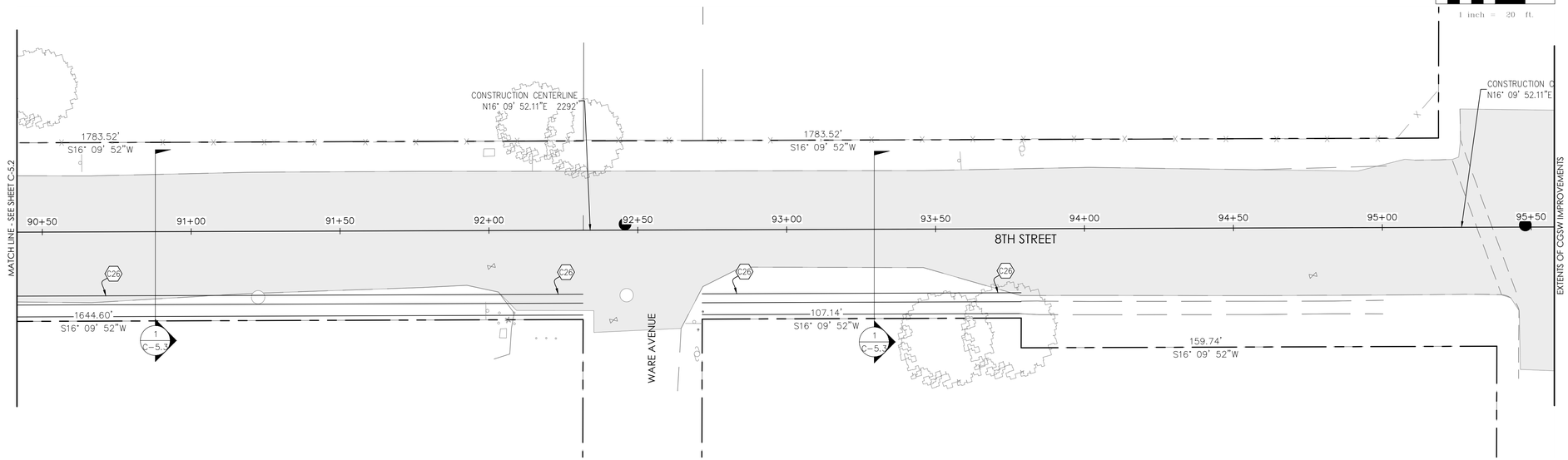
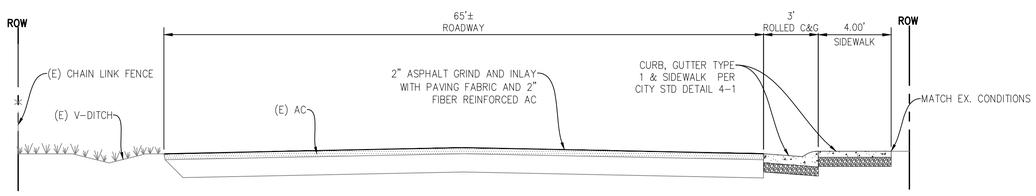
CONSTRUCTION NOTES

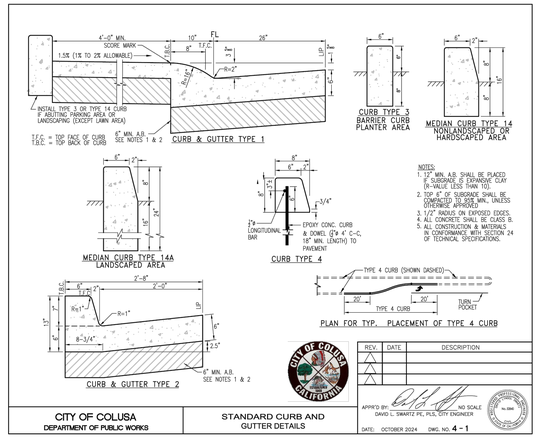
26 ROLLED CURB, GUTTER, AND SIDEWALK (TYPE 1) PER CITY STANDARD DETAIL 4-1





1 8TH STREET TYPICAL CROSS SECTION

SCALE: NTS



NO.	DATE	DESCRIPTION

DATE: 7/28/2026
SCALE: 1" = 20'
DRAWN BY: KAP
DESIGNED BY: MRH
CHECKED BY: DLS

REGISTERED PROFESSIONAL ENGINEER
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CITY OF COLUSA

8TH STREET- CONCRETE
STA: 90+50 TO 95+50

SANITARY SEWER & RECYCLED WATER PROJECT

PROJECT NUMBER
23-209

SHEET
C-5.3 OF 42

Y:\CEC Jobs\Projects\23-209 NexGen City of Colusa Sewer Main Line Design\Eng\ImpPlns\23-209 NexGen CoC_Sewer Main Line Design Imp Plans.dwg Jul 29, 2024-01:08 pm mjoyne