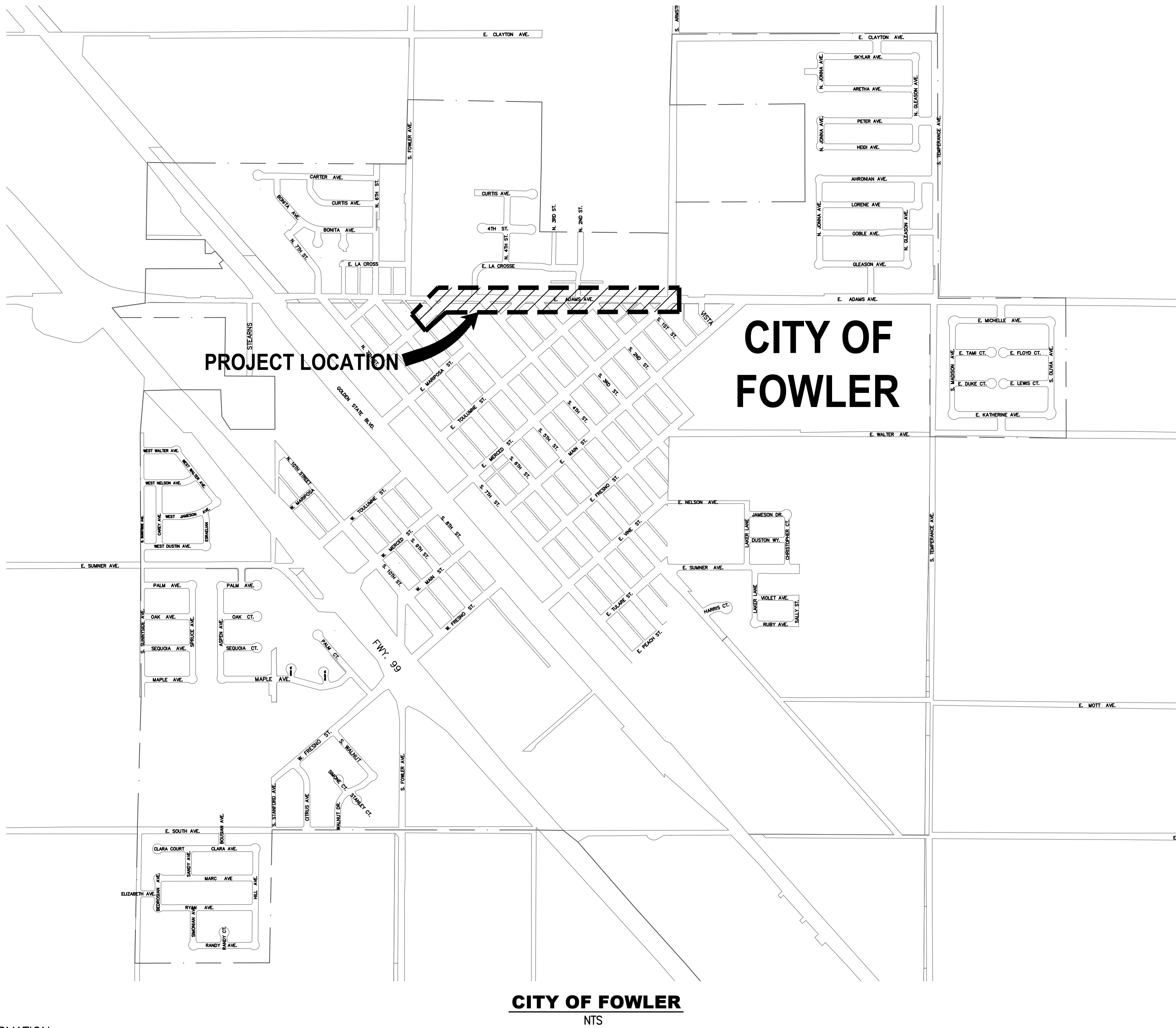


# SELMA-KINGSBURG-FOWLER COUNTY SANITATION DISTRICT

# PLANS

# FOR CONSTRUCTION OF

# ***ADAMS AVENUE SEWER REPLACEMENT PROJECT (FROM 4TH STREET TO ARMSTRONG AVENUE)***



**CITY OF FOWLER**  
NTS

## BASIS OF BEARINGS

THE SOUTH LINE OF THE SOUTHEAST QUARTER OF SECTION 10,  
TOWNSHIP 15 SOUTH, RANGE 21 EAST, MOUNT DIABLO BASE  
AND MERIDIAN TAKEN TO BE NORTH 89°58'40" EAST BASED  
ON ASTRONOMIC NORTH PER GPS OBSERVATIONS ON MAY 10,  
2019.

## BENCHMARK

FRESNO COUNTY BENCHMARK "LL57A"  
ELEVATION = 311.35 FEET  
FOUND CHISELED SQUARE ON TOP OF CURB 8 FEET EAST OF  
EAST RETURN AT SOUTHEAST CORNER OF TEMPERANCE AVENUE  
AND ADAMS AVENUE.

## GENERAL NOTES

1. CONTRACTOR SHALL NOTIFY THE DISTRICT AT (559) 897-6500 FIVE (5) DAYS PRIOR TO COMMENCING CONSTRUCTION.
2. ALL CONSTRUCTION SHALL CONFORM TO THE ADOPTED SELMA - KINGSBURG - FOWLER COUNTY SANITATION DISTRICT COLLECTION SYSTEM CONSTRUCTION STANDARDS AS AMENDED.
3. SEWER MAINS TO BE SDR-26 PVC CONFORMING TO ASTM 3034 UNLESS NOTED OTHERWISE.
4. WARNING: CONNECTION TO EXISTING SEWER FACILITIES SHALL BE DONE ONLY IN THE PRESENCE OF THE DISTRICT INSPECTOR.
5. THE LOCATION OF AND EXISTENCE OR NON-EXISTENCE OF UNDERGROUND UTILITIES HAS BEEN DETERMINED TO THE BEST OF THE DESIGN ENGINEER'S ABILITY, BUT IT SHALL BE THE SOLE DUTY OF THE CONTRACTOR TO VERIFY THE LOCATION OF THE EXISTING UTILITIES AND TO TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO THESE UTILITIES. THE CONTRACTOR SHALL ASSUME SOLE RESPONSIBILITY FOR ANY DAMAGE DONE TO EXISTING UTILITIES DURING CONSTRUCTION.
6. SEPARATION BETWEEN WASTEWATER AND WATER LINES SHALL BE IN ACCORDANCE WITH THE SELMA-KINGSBURG-FOWLER COUNTY SANITATION DISTRICT COLLECTION SYSTEM CONSTRUCTION STANDARDS, APPENDIX A.
7. ALL TRENCH BACKFILL AND COMPACTION IN PUBLIC RIGHT-OF-WAY ABOVE THE PIPE DEPTH WILL BE UNDER THE SUPERVISION OF THE CITIES' AND COUNTY'S DEPARTMENTS OF PUBLIC WORKS.
8. THE CONTRACTOR SHALL MAINTAIN A RECORD OF THE LOCATIONS OF ALL WASTEWATER LATERALS, TEES, STUB OUTS. THIS RECORD SHALL BE DELIVERED TO THE APPLICANT'S ENGINEERS PRIOR TO FINAL PAYMENT BEING AUTHORIZED.
9. BACKWATER DEVICES SHALL BE INSTALLED WHERE NECESSARY.
10. THE CONTRACTOR SHALL MARK THE LOCATION OF ALL WASTEWATER LATERALS WITH THE LETTERS "S" AT LEAST 2" HIGH ENGRAVED INTO THE CURB.
11. LATERAL INSTALLATIONS TO PROPERTY LINES WITHOUT CURBS SHALL END AT 2" BY 4" STAKE DRIVEN TO A DEPTH OF 2 FEET BELOW FINISHED GRADE.
12. ALL LATERALS TO NEW PIPELINES ARE TO BE TIED INTO MAIN LINE THROUGH USE OF FITTINGS. CUT-IN SADDLES ARE NOT ALLOWED.
13. THE SEWER SYSTEMS SHALL BE COMPLETED AND TESTED PRIOR TO THE DISTRICT RECOMMENDING THAT THE CITY ACCEPT THE SEWER AS COMPLETE AND PRIOR TO THE INSURANCE OF A CERTIFICATE OF OCCUPANCY.
14. SEWER LINES SHALL BE INTERNALLY INSPECTED BY TELEVISION AT THE OWNERS/APPLICANT'S EXPENSE.
15. THE HOUSE SERVICE LATERALS SHALL BE EXTENDED BEYOND THE STREET RIGHT-OF-WAY TO EDGE OF P.S.E (PUBLIC SERVICE EASEMENT).
16. A TEMPORARY METAL PLATE SHALL BE USED TO SECURE NEWLY CONSTRUCTED MANHOLE OPENINGS. THE TEMPORARY PLATE SHALL BE WATER TIGHT. FRAMES AND COVERS WILL NOT BE ALLOWED TO BE USED AS TEMPORARY PLATES. EXISTING MANHOLES TO BE READJUSTED WILL BE REQUIRED TO HAVE THE TEMPORARY METAL PLATES. ALL FRAMES AND COVERS ARE TO BE USA MANUFACTURED.
17. PRIOR TO TESTING AND VIDEO INSPECTION OF ANY SANITARY SEWERS, THE FOLLOWING MUST OCCUR: ALL SANITARY SEWERS, STORM DRAINS AND WATER LINES FOR THE ENTIRE PROJECT MUST BE INSTALLED, BACKFILLED AND COMPACTED; AND ALL UTILITY TRENCH CROSSINGS FOR ELECTRICAL, GAS AND COMMUNICATIONS, WITH ALL CONDUITS, PIPES AND SLEEVES, MUST BE COMPLETED BACKFILLED AND COMPACTED. FOR ELECTRICAL, GAS AND COMMUNICATIONS LINES ON THE PROPERTY SIDE OF THE CURB, THE INSTALLATION REQUIREMENT MAY BE WAIVED BY SKF IF REQUESTED IN WRITING WITH A LETTER ACCEPTING RESPONSIBILITY FOR RETESTING AND REPAIR OF ANY DAMAGE TO SEWER MAIN LINES OR LATERALS.
18. NO DISTRICT CONNECTION PERMITS SHALL BE ISSUED UNTIL ALL SEWERS PASS TESTING AND VIDEO INSPECTION.

## NOTES

PURSUANT TO SECTIONS 8771(B) AND 8771(C) OF THE GOVERNMENT CODE, ANY MONUMENTS THAT CONTROL THE LOCATION OF BOUNDARIES, OR OTHERWISE PROVIDE HORIZONTAL OR VERTICAL SURVEY CONTROL WITHIN THE CONSTRUCTION AREA, SHALL BE LOCATED AND REFERENCED PRIOR TO CONSTRUCTION, AND A CORNER RECORD OR RECORD OF SURVEY OF THE REFERENCES SHALL BE FILED WITH THE COUNTY SURVEYOR.

PERMANENT MONUMENTATION SHALL BE SET TO PERPETUATE THE LOCATION OF ANY MONUMENT WHICH COULD BE DAMAGED OR DESTROYED, AND A CORNER RECORD OR RECORD OF SURVEY SHALL BE FILED WITH THE COUNTY SURVEYOR PRIOR TO THE RECORDING OF A CERTIFICATE OF COMPLETION FOR THE PROJECT.

## SHEET INDEX

1	T-1	TITLE SHEET
2	S-1	PLAN - 25+00 TO 29+00
3	S-1	PLAN AND PROFILE - 29+00 TO 34+00
4	S-2	PLAN AND PROFILE - 34+00 TO 39+00
5	S-3	PLAN AND PROFILE - 39+00 TO 44+00
6	S-4	PLAN AND PROFILE - 44+00 TO 49+00
7	D-1	CONSTRUCTION DETAILS
8	D-2	CONSTRUCTION DETAILS

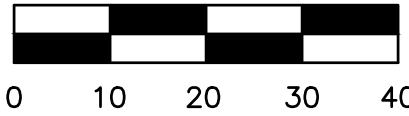


**Know what's below.  
Call before you dig.**

UNDERGROUND FACILITIES SHOWN WERE LOCATED BASED ON INFORMATION PROVIDED BY UTILITY COMPANIES AND BY MEASURING SURFACE FEATURES. NO ATTEMPT WAS MADE TO LOCATE OTHER UNDERGROUND FACILITIES THAT WERE NOT READILY APPARENT FROM A VISUAL INSPECTION OF SURFACE FEATURES.

CONTRACTOR SHALL VERIFY ACTUAL DEPTH AND LOCATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION...CALL "UNDERGROUND SERVICE ALERT" (U.S.A.), (TOLL FREE 811) PRIOR TO TRENCHING, GRADING, EXCAVATION, DRILLING, PIPE PUSHING, PLANTING TREES, DIGGING POST HOLES FOR FENCES, ETC.(U.S.A.) WILL SUPPLY INFORMATION OR LOCATE AND MARK ANY UNDERGROUND FACILITIES.

HORIZ SCALE: 1"=20'  
VERT SCALE: 1"=4'



# PETERS ENGINEERING GROUP

862 POLLASKY AVENUE  
CLOVIS, CALIFORNIA 93612

PHONE (559) 299-1544  
FAX (559) 299-1722



SELMA KINGSBURG FOWLER  
COUNTY SANITATION DISTRICT

11301 EAST CONEJO AVENUE  
KINGSBURG, CALIFORNIA 93631

PHONE (559) 897-6500  
FAX (559) 897-1985

ORIGINAL SCALE IN INCHES  
FOR REDUCED PLANS



## CONSTRUCTION NOTES

1. CONTRACTOR TO PROVIDE BYPASS PUMPING AS DIRECTED BY SKF CSD.
2. WHERE MORE THAN ONE PARCEL SHARE A COMMON SEWER SERVICE LATERAL, THE CONTRACTOR SHALL DISCONNECT, FURNISH AND INSTALL ONE NEW PRIVATE SEWER LATERAL SERVICE PER PARCEL OR SINGLE FAMILY RESIDENCE.
3. INSTALL SEWER SERVICE LATERALS AND CLEANOUTS PER SKF PLATE 20. CONNECT ALL NEW LATERALS TO EXISTING SERVICES AT PROPERTY LINE.
4. WHERE EXISTING STRUCTURES ENCROACH ON THE RIGHT OF WAY, CONSTRUCT CLEANOUTS AS CLOSELY AS IS FEASIBLE. DO NOT DISTURB EXISTING STRUCTURES (FENCES, BUILDINGS, ETC.).
5. PLACE PIPE BEDDING PER SKF PLATE NO. 4.
6. MAXIMUM EXCAVATED TRENCH WIDTH SHALL BE PIPE O.D. PLUS 8 INCHES. SEE SKF PLATE NO. 29 FOR TRENCH COMPACTION REQUIREMENTS.
7. RESURFACE ALL TRENCHES IN EXISTING PAVED AREAS PER DETAIL 2, SHEET 7, UNLESS OTHERWISE NOTED. PERMANENT RESURFACING IN EXISTING PAVED AREAS SHALL BE DONE PER CITY STANDARD DRAWING M-11.
8. SEWER LATERALS SHALL BE SDR-26 PVC GRAVITY SEWER PIPE AND FITTINGS, AND SHALL BE INSTALLED PER MANUFACTURER'S REQUIREMENTS, OR APPROVED EQUAL. SEE GENERAL NOTE #3 ON THIS SHEET.
9. ALL WORK SHALL BE IN CONFORMANCE WITH THE UNIFORM PLUMBING CODE AND LATEST REVISIONS.
10. THE CONSTRUCTION OF SEWER LATERALS SHALL COMMENCE AT THE LOWEST POINT OF THE SYSTEM. THE CONNECTION OF SEWER LATERALS SHALL ALWAYS PROCEED UPSTREAM IN ALL LOCATIONS.
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12. SPECIAL PROTECTION SHALL BE PROVIDED FOR SANITARY SEWER MAINS AND LATERALS WITHIN TRAFFIC AREA WHERE DEPTH OF COVER IS LESS THAN 5-FOOT (SEE PLATE NO. 4, CLASS B, DETAIL B1).
13. ALL EXISTING SEWER MANHOLE COVERS TO BE SALVAGE AND COLLECTED BY SKF. FRAMES WILL BE DISPOSED BY CONTRACTOR.

## UTILITIES

<u>CITY OF FOWLER PUBLIC WORKS DEPARTMENT</u>	<u>PHONE PREFIX (559)</u>
128. S. 5TH STREET	
FOWLER, CA. 93625	834-3113 EXT. 12

PACIFIC GAS AND ELECTRIC COMPANY  
650 "O" STREET  
FRESNO, CA. 93760

263-7372

FRONTIER COMMUNICATIONS  
1359 "G" STREET  
REEDLEY, CA. 93654

CALIFORNIA DEPARTMENT OF TRANSPORTATION  
1352 W. OLIVE AVENUE  
FRESNO, CA. 93705

CONSOLIDATED IRRIGATION DISTRICT  
1728 TUCKER STREET  
SELMA, CA 93662

896-1660

SKF COUNTY SANITATION DISTRICT ENGINEERING DEPARTMENT  
11301 CONEJO AVENUE  
KINGSBURG, CA 93631

897-6500

COMCAST CABLE  
2441 N. GROVE INDUSTRIAL DRIVE  
FRESNO, CA 93727 455-4580

## CERTIFICATION

I hereby certify that the sewer system as shown on sheets 1 through 7 has been designed to adequately service each and every lot or facility shown on said plans.

  
REGISTERED CIVIL ENGINEER

C52685  
RCE NO.

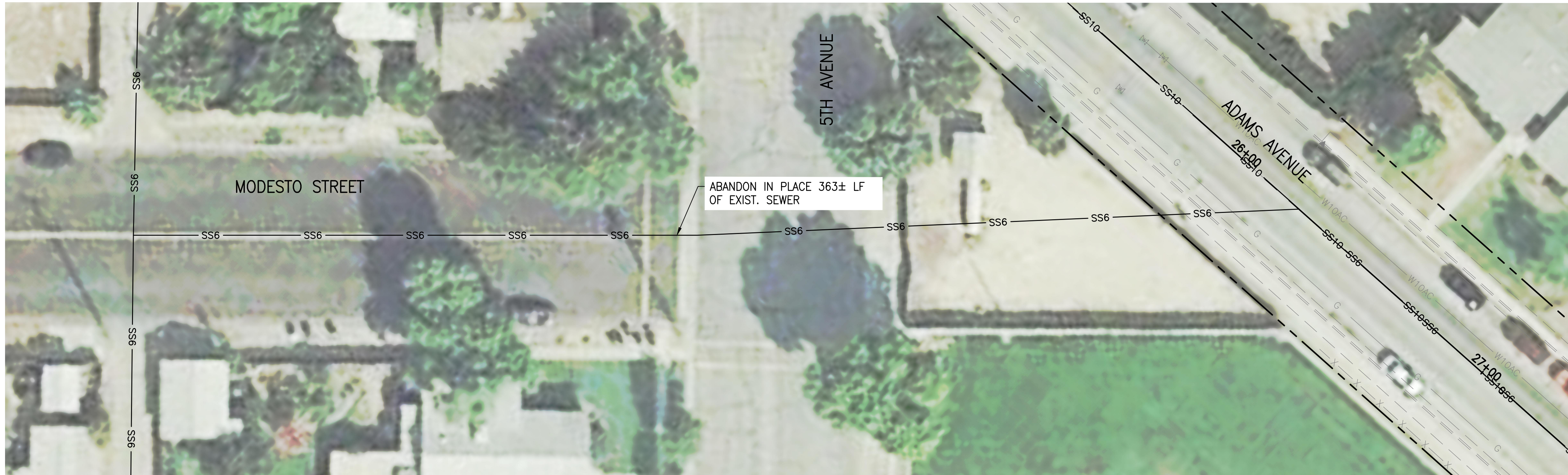
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DATE



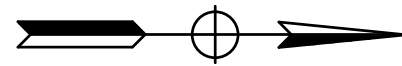
REV	SYM	DESCRIPTION	ENG'R	DATE	APPROVED	DATE
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ADAMS AVENUE SEWER REPLACEMENT PROJECT						
RECOMMEND FOR CONSTRUCTION:			TITLE SHEET			
DISTRICT ENGINEER DATE:						
Designed by: SN		Drawn by: SN		DRAWING NUMBER T-1		
Date: 10/30/20		Date: 10/30/20		SHEET 1 OF 8		



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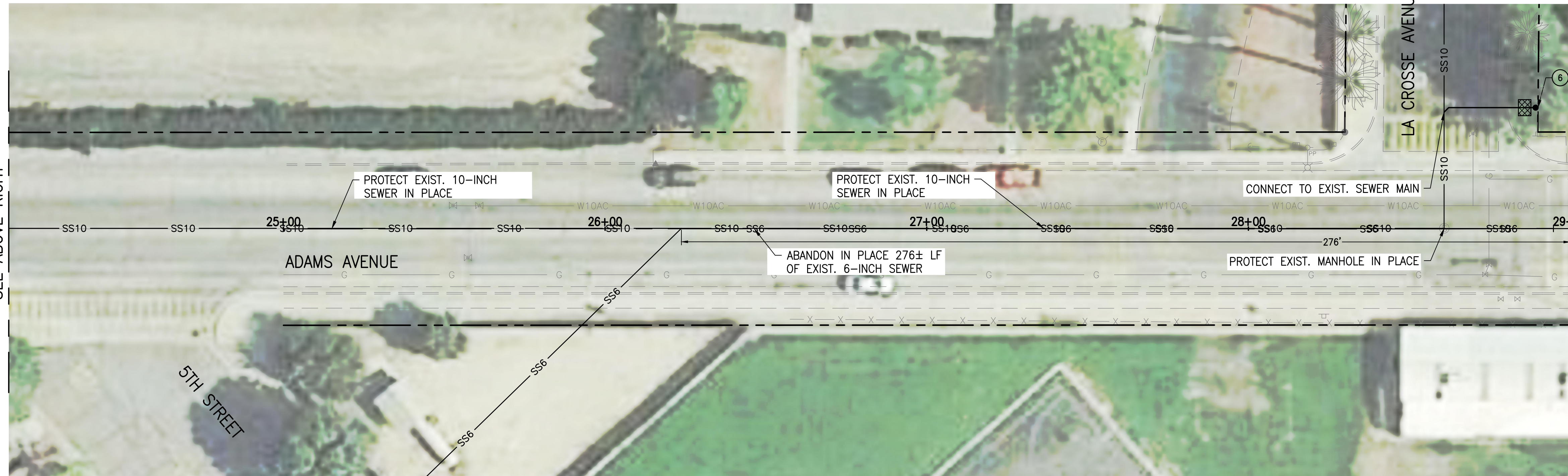
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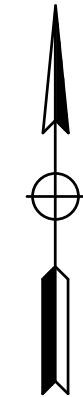
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- SS6— CONST. SEWER LINE WITH SIZE
- ⊙ CONST. 48" SEWER MANHOLE
- ▣ CONCRETE SIDEWALK/DRIVE APPROACH REMOVAL & REPLACEMENT PER DETAIL 2, ON SHEET 6



MATCH LINE  
SEE ABOVE RIGHT

MATCH LINE - STA 29+00  
SEE SHEET S-2

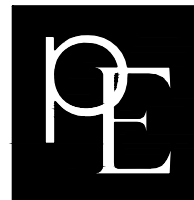
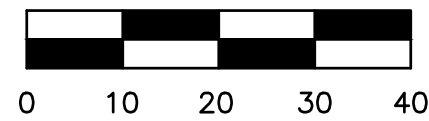


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Designed by: SN			STA 25+00 TO STA 29+00			
Drawn by: SN			DRAWING NUMBER S-1			
Date: 10/30/20			SHEET 2 OF 8			

HORIZ SCALE: 1"=20'  
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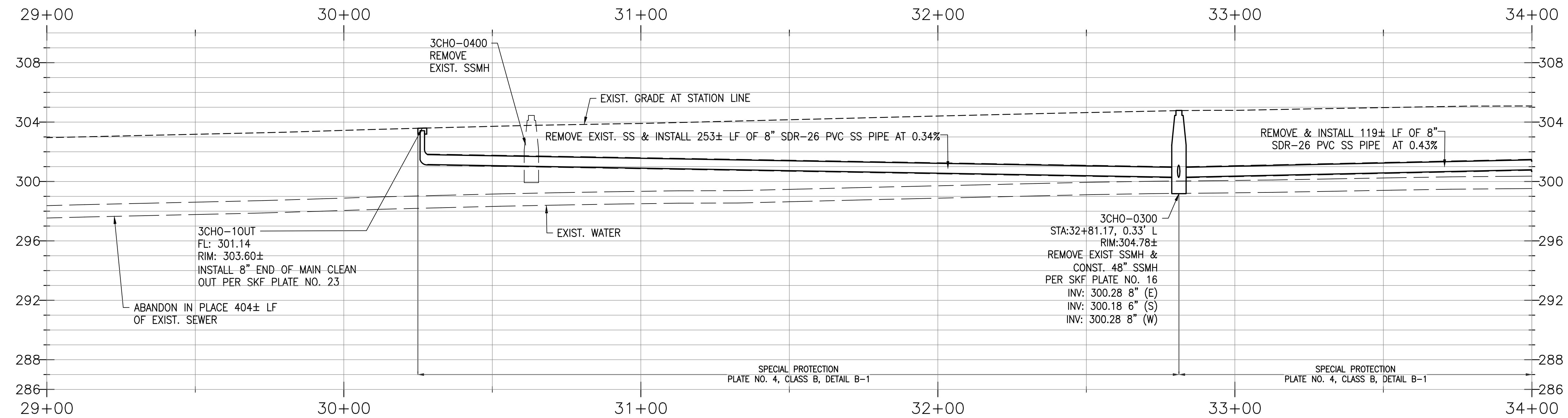
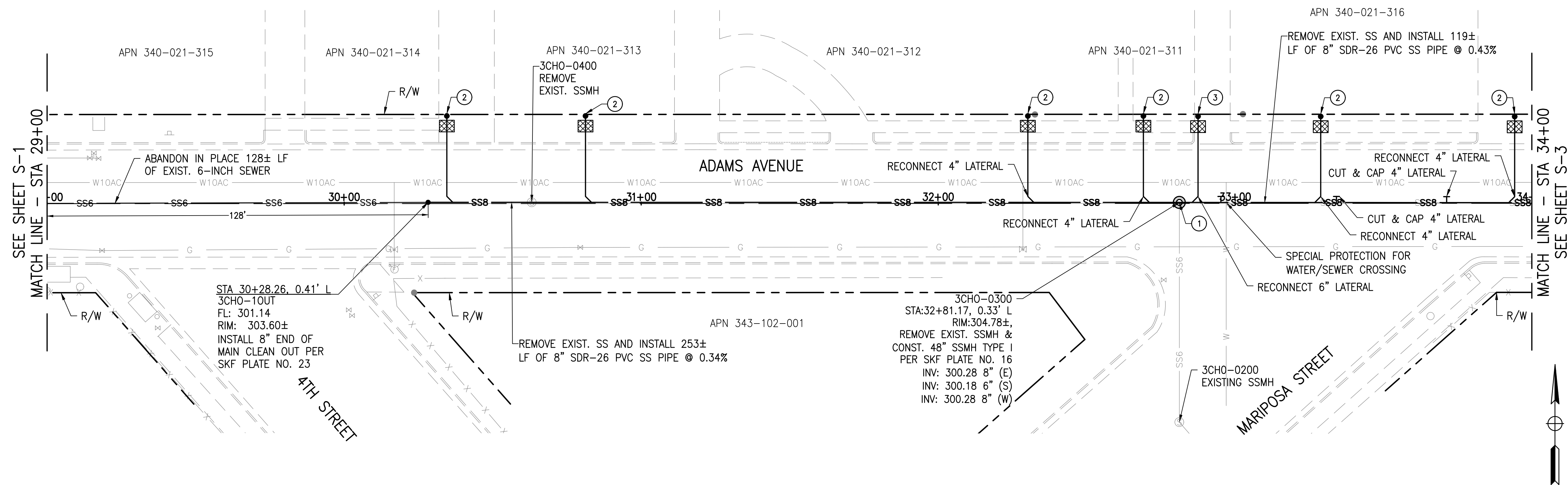
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ORIGINAL SCALE IN INCHES  
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10/30/20



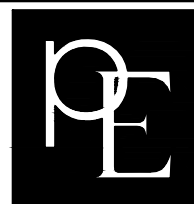
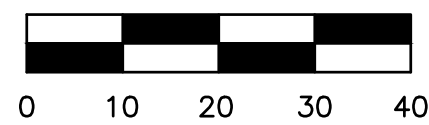


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Designed by: SN			SHEET 3 OF 8			
Date: 10/30/20						

HORIZ SCALE: 1"=20'  
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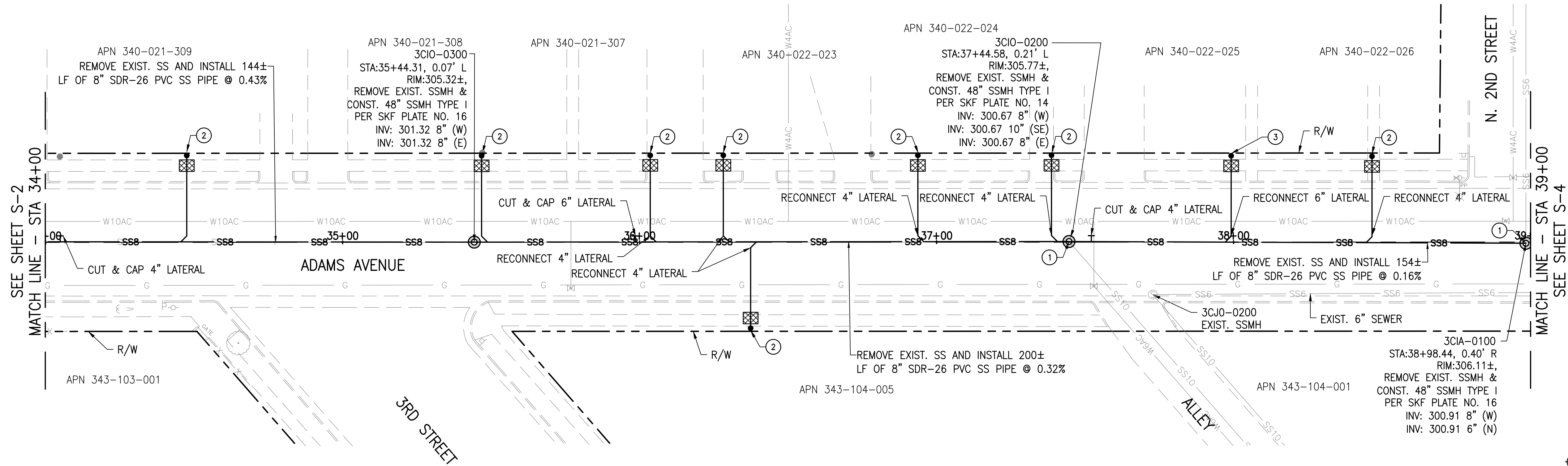
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10/30/20



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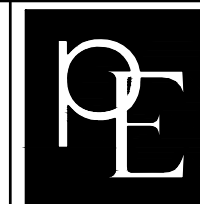
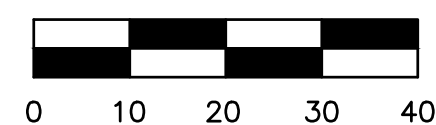
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#### CONSTRUCTION NOTES

1. CONTRACTOR TO PROVIDE BYPASS PUMPING AS DIRECTED BY SKF CSD.
2. WHERE MORE THAN ONE PARCEL SHARE A COMMON SEWER SERVICE LATERAL, THE CONTRACTOR SHALL DISCONNECT, FURNISH AND INSTALL ONE NEW PRIVATE SEWER LATERAL SERVICE PER PARCEL OR SINGLE FAMILY RESIDENCE.
3. INSTALL SEWER SERVICE LATERALS AND CLEANOUTS PER SKF PLATE 20. CONNECT ALL NEW LATERALS TO EXISTING SERVICES AT PROPERTY LINE.
4. WHERE EXISTING STRUCTURES ENCRANCH ON THE RIGHT OF WAY, CONSTRUCT CLEANOUTS AS CLOSELY AS IS FEASIBLE. DO NOT DISTURB EXISTING STRUCTURES (FENCES, BUILDINGS, ETC.).
5. PLACE PIPE BEDDING PER SKF PLATE NO. 4.
6. MAXIMUM EXCAVATED TRENCH WIDTH SHALL BE PIPE O.D. PLUS 8 INCHES. SEE SKF PLATE NO. 29 FOR TRENCH COMPACTION REQUIREMENTS.
7. RESURFACE TRENCHES IN EXISTING PAVED AREAS PER DETAIL 2, SHEET 7, UNLESS OTHERWISE NOTED. PERMANENT RESURFACING IN EXISTING PAVED AREAS SHALL BE DONE PER CITY STANDARD DRAWING M-11.
8. SEWER LATERALS SHALL BE SDR-26 PVC GRAVITY SEWER PIPE AND FITTINGS, AND SHALL BE INSTALLED PER MANUFACTURER'S REQUIREMENTS, OR APPROVED EQUAL. SEE GENERAL NOTE #3 ON SHEET 1.
9. ALL WORK SHALL BE IN CONFORMANCE WITH THE UNIFORM PLUMBING CODE AND LATEST REVISIONS.
10. THE CONSTRUCTION OF SEWER LATERALS SHALL COMMENCE AT THE LOWEST POINT OF THE SYSTEM. THE CONNECTION OF SEWER LATERALS SHALL ALWAYS PROCEED UPSTREAM IN ALL LOCATIONS.
11. CONTRACTOR SHALL VERIFY EXACT LOCATION AND DEPTH OF EXISTING SANITARY SEWER LATERAL IN THE FIELD (AND NOTIFY THE ENGINEER OF ANY POSSIBLE CONFLICTS) PRIOR TO THE CONSTRUCTION OF THE PROPOSED SANITARY SEWER FACILITIES.
12. SPECIAL PROTECTION SHALL BE PROVIDED FOR SANITARY SEWER MAINS AND LATERALS WITHIN TRAFFIC AREA WHERE DEPTH OF COVER IS LESS THAN 5-FOOT (SEE PLATE NO. 4, CLASS B, DETAIL B1).

REV	SYM	DESCRIPTION	ENG'R	DATE	APPROVED	DATE
SELMA-KINGSBURG-FOWLER COUNTY SANITATION DISTRICT						
ADAMS AVENUE SEWER REPLACEMENT PROJECT						
RECOMMEND FOR CONSTRUCTION:						
DISTRICT ENGINEER DATE:			PLAN & PROFILE			
Designed by: SN			STA 34+00 TO STA 39+00			
Drawn by: SN			DRAWING NUMBER S-3			
Date: 10/30/20			SHEET 4 OF 8			

HORIZ SCALE: 1"=20'  
VERT SCALE: 1"=4'



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COUNTY SANITATION DISTRICT**  
11301 EAST CONEJO AVENUE  
KINGSBURG, CALIFORNIA 93631  
PHONE (559) 897-6500  
FAX (559) 897-1985

ORIGINAL SCALE IN INCHES  
FOR REDUCED PLANS

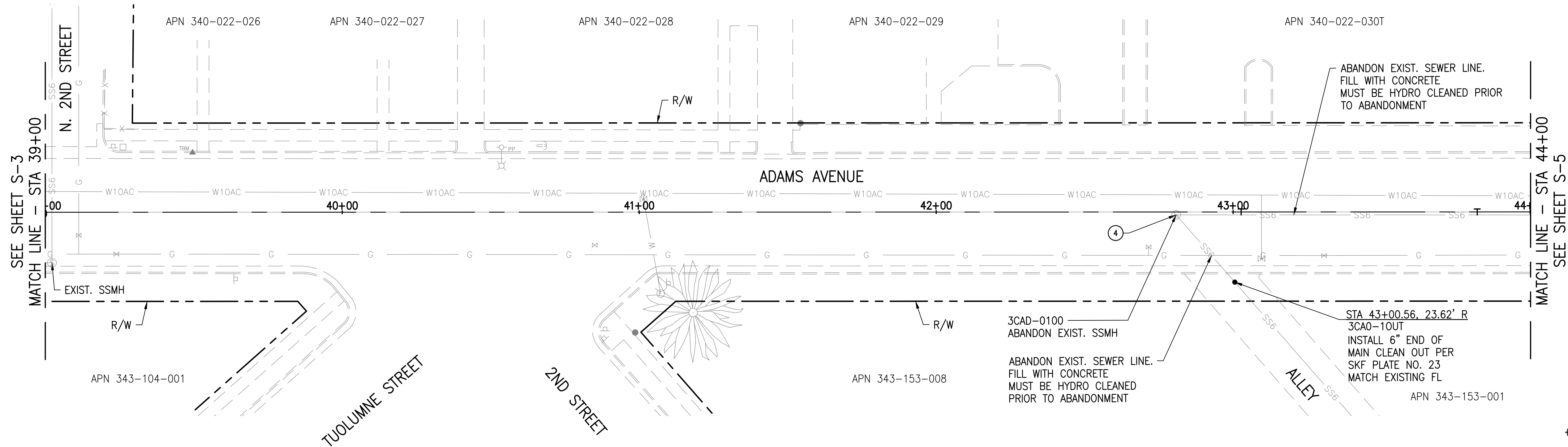
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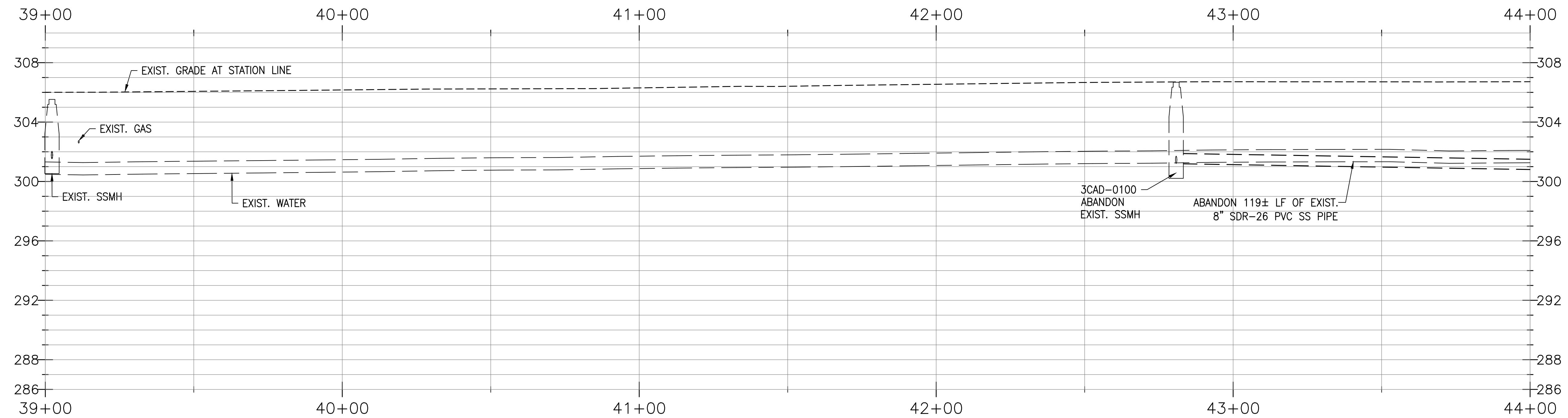
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- LEGEND
- CONNECT EXIST. SEWER MAIN TO PROP. MAHOLE
  - CONSTRUCT 4" SEWER LATERAL W/CLEAN OUT FROM PROPOSED SEWER MAIN, TIE INTO EXISTING SEWER LATERAL AT PROPERTY LINE PER PLATE NO. 20 OF THE SKF COUNTY SANITATION DISTRICT STANDARDS. REPLACE EXISTING CONCRETE AND LANDSCAPING IMPROVEMENTS.
  - CONSTRUCT 6" SEWER LATERAL W/CLEAN OUT FROM PROPOSED SEWER MAIN, TIE INTO EXISTING SEWER LATERAL AT PROPERTY LINE PER PLATE NO. 20 OF THE SKF COUNTY SANITATION DISTRICT STANDARDS. REPLACE EXISTING CONCRETE AND LANDSCAPING IMPROVEMENTS.
  - ABANDON EXISTING SEWER MANHOLE PER TYPICAL SEWER MANHOLE ABANDONMENT.
  - PROTECT EXISTING MONUMENT IN PLACE
  - CONSTRUCT 4" SEWER LATERAL W/CLEAN OUT FROM EXISTING SEWER MAIN, TIE INTO EXISTING SEWER LATERAL AT PROPERTY LINE PER PLATE NO. 20 OF THE SKF COUNTY SANITATION DISTRICT STANDARDS. REPLACE EXISTING CONCRETE AND LANDSCAPING IMPROVEMENTS.
- NOTE:  
ALL UNDERGROUND UTILITIES ARE APPROXIMATE. CONTRACTOR TO POT HOLE AND VERIFY ACTUAL DEPTHS, SIZE, AND LOCATION PRIOR TO CONSTRUCTION
- SEWER CLEANOUT LOCATION
  - SS6— CONST. SEWER LINE WITH SIZE
  - CONST. 48" SEWER MANHOLE
  - CONCRETE SIDEWALK/DRIVE APPROACH REMOVAL & REPLACEMENT PER DETAIL 2, ON SHEET 6

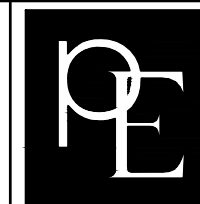


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  - SPECIAL PROTECTION SHALL BE PROVIDED FOR SANITARY SEWER MAINS AND LATERALS WITHIN TRAFFIC AREA WHERE DEPTH OF COVER IS LESS THAN 5-FOOT (SEE PLATE NO. 4, CLASS B, DETAIL B1).

REV	SYM	DESCRIPTION	ENG'R	DATE	APPROVED	DATE
SELMA-KINGSBURG-FOWLER COUNTY SANITATION DISTRICT						
ADAMS AVENUE SEWER REPLACEMENT PROJECT						
RECOMMEND FOR CONSTRUCTION:			PLAN & PROFILE STA 39+00 TO STA 44+00			
DISTRICT ENGINEER DATE:			DRAWING NUMBER S-4			
Designed by: SN			SHEET 5 OF 8			
SN			10/30/20			

HORIZ SCALE: 1"=20'  
VERT SCALE: 1"=4'

0 10 20 30 40



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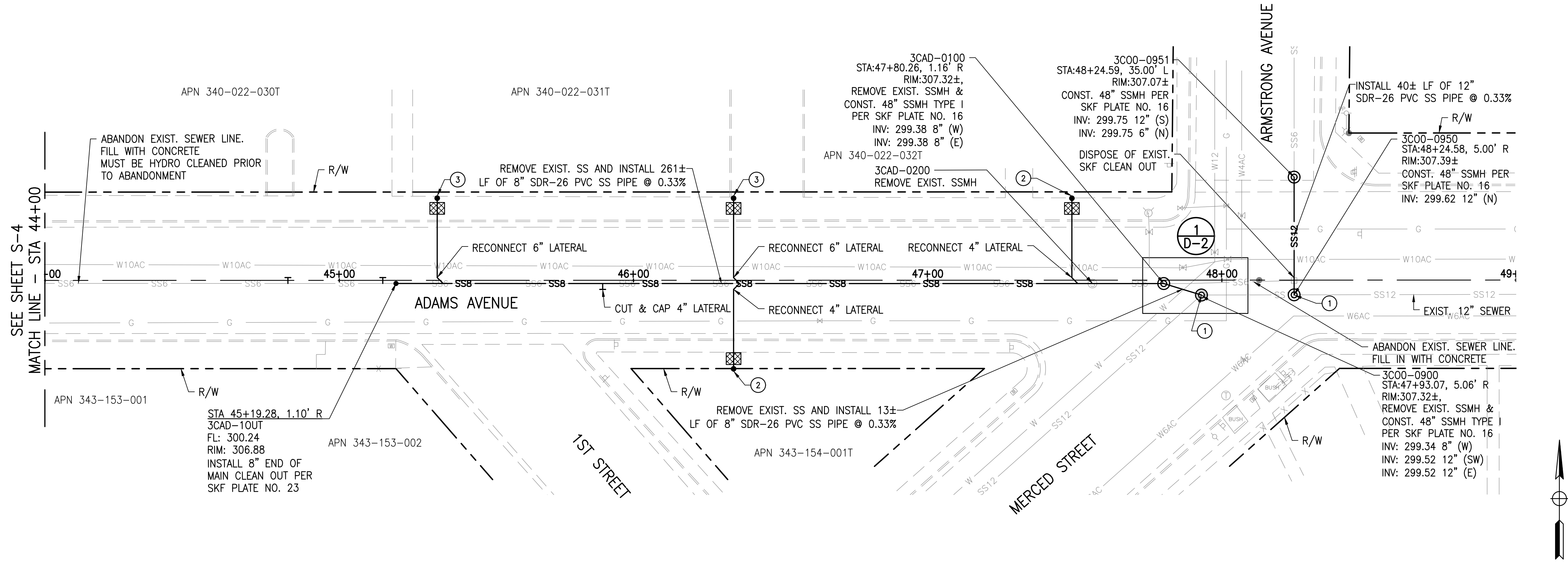
ORIGINAL SCALE IN INCHES  
FOR REDUCED PLANS

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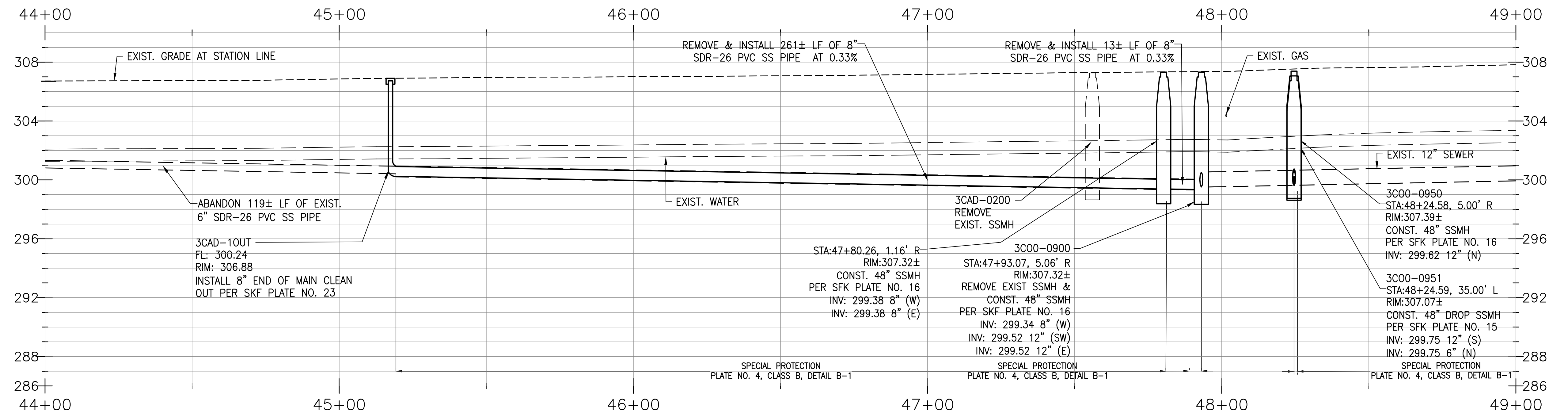


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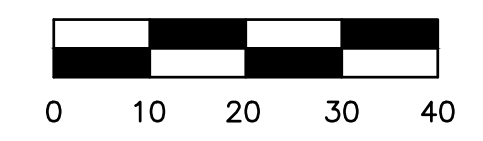
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- SEWER CLEANOUT LOCATION
  - CONST. SEWER LINE WITH SIZE
  - CONST. 48" SEWER MANHOLE
  - CONCRETE SIDEWALK/DRIVE APPROACH REMOVAL & REPLACEMENT PER DETAIL 2, ON SHEET 6



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ADAMS AVENUE SEWER REPLACEMENT PROJECT						
RECOMMEND FOR CONSTRUCTION:			PLAN & PROFILE			
			STA 44+00 TO STA 49+00			
DISTRICT ENGINEER DATE:						
Designed by: SN		Drawn by: SN		DRAWING NUMBER		S-5
Date: 10/30/20		Date: 10/30/20		SHEET 6 OF		8

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