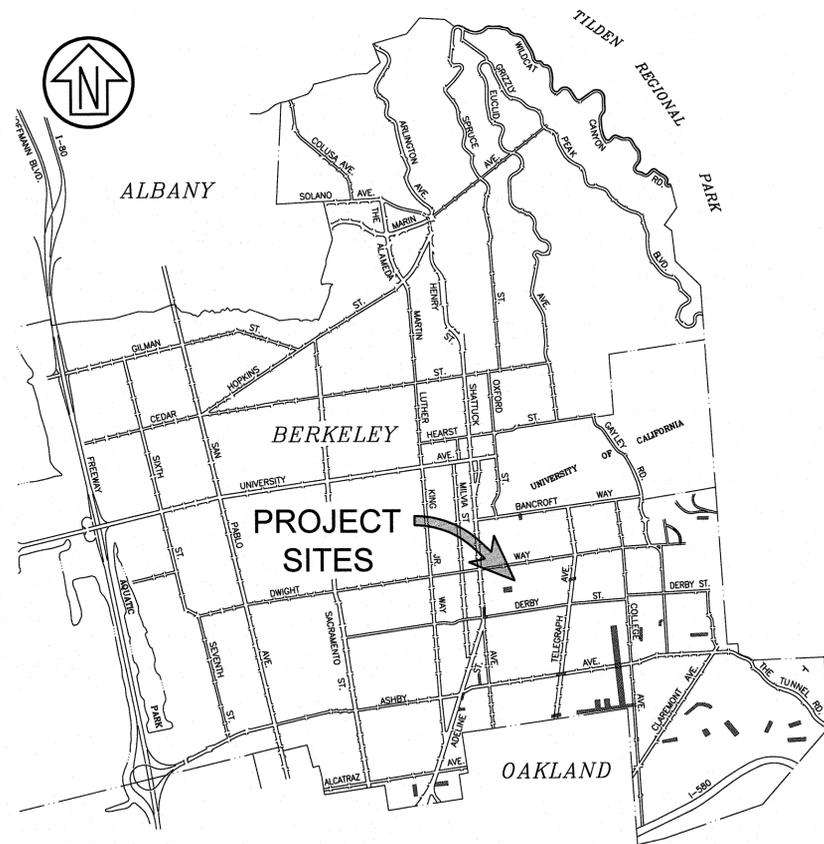


SANITARY SEWER REHABILITATION AND REPLACEMENT PROJECT

ADELINE STREET, WOOLSEY STREET, BENVENUE AVENUE, ET AL.

SPECIFICATION NO. 26-11758-C



LOCATION MAP
SCALE: N.T.S.



KEY MAP
SCALE: N.T.S.



KEY MAP
SCALE: N.T.S.

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PROJECT MANAGER: *Adadu Yemane* DATE 12/11/25
DEPICTION OF MONUMENTS: *Daniel P. ...* DATE 02/11/25
SURVEY CHIEF OF PARTY: *Daniel P. ...* DATE 02/11/25
WATERSHED REVIEW: *Daniel P. ...* DATE 02/11/25

SUBMITTED: *W. ...* DATE 12/11/25
REGISTERED: *W. ...* DATE 12/11/25
SUPERVISING ENGINEER: *W. ...* DATE 12/11/25
APPROVED: *W. ...* DATE 12/11/25
CITY ENGINEER: *W. ...* DATE 12/11/25

DATE 12/11/25
REGISTRY: 70211
EXP. 12/31/27
DATE 12/11/25
R.C.E. 38918
EXP. 6/20/27

DESIGN JD
DRAWN DC
CHECK JD
AS BUILT
HORIZ. AS NOTED
VERT.
BOOK
DATE 12/12/25

CITY OF BERKELEY
DEPARTMENT OF PUBLIC WORKS

SANITARY SEWER REHABILITATION AND REPLACEMENT PROJECT
COVER SHEET

PLAN 8301
FILE 502-726
T1
SHEET 1 OF 32

REVISION	MARK	DATE	DESCRIPTION	APPROVAL

GENERAL NOTES

1. THE LOCATIONS AND/OR ELEVATIONS OF UNDERGROUND UTILITIES AND SUBSTRUCTURES SHOWN ON THE PLANS ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT (USA) AT 811 OR (800) 227-2600 AT LEAST FOUR WORKING DAYS BEFORE EXCAVATING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING THE EXISTING UTILITIES IN ACCORDANCE WITH SPECIFICATIONS.

2. THE CONTRACTOR SHALL NOTE THAT OVERHEAD UTILITIES, UNDERGROUND CABLE TELEVISION LINES, GAS AND WATER SERVICES, IF ANY, ARE NOT SHOWN ON THE PLANS. IF SHOWN ON THE PLANS, THE CITY ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OR COMPLETENESS OF SUCH MATERIAL OR INFORMATION. CABLE TV LINES, IF PRESENT, ARE SOMETIMES LOCATED IN COMMON TRENCHES WITH OTHER UNDERGROUND UTILITIES. THE CONTRACTOR SHALL INCLUDE THESE CONSIDERATIONS IN HIS ESTIMATE OF WORK.

3. THE CONTRACTOR SHALL PROTECT ALL EXISTING IMPROVEMENTS NOT DESIGNATED FOR REMOVAL AND SHALL RESTORE DAMAGED OR TEMPORARILY RELOCATED IMPROVEMENTS TO A CONDITION EQUAL TO OR BETTER THAN THEY WERE PRIOR TO SUCH DAMAGE OR TEMPORARY RELOCATION.

4. PIPE LENGTHS SHOWN ON THE PLANS ARE THE APPROXIMATE HORIZONTAL DISTANCES BETWEEN CENTER LINE OF MAINTENANCE HOLES. THE CONTRACTOR SHALL NOTE THAT MEASUREMENT FOR PAYMENT WILL BE THE ACTUAL LINEAR FOOTAGE INSTALLED.

5. NEW PRECAST MAINTENANCE HOLES SHALL BE THE ECCENTRIC-TAPER TYPE, UNLESS OTHERWISE NOTED.

6. NEW MH LOCATIONS ARE APPROXIMATE AND IN SOME CASES MAY BE ALTERED TO MINIMIZE PIPE CUTTING OR FOR OTHER REASONS IF APPROVED BY THE ENGINEER.

7. THE CONTRACTOR SHALL INSTALL NEW MAINTENANCE HOLES IN EXISTING SANITARY SEWER LINES AS SHOWN ON THE PLANS. THE INVERT ELEVATIONS OF THE EXISTING PIPE SHALL BE MAINTAINED AT THE LOCATION OF THE NEW MAINTENANCE HOLE UNLESS OTHERWISE NOTED.

8. WHERE REQUIRED ON THE PLANS, THE EXISTING PIPES SHALL BE REMOVED AND NEW PIPES SHALL BE CONSTRUCTED IN THEIR PLACES. IF A PROFILE OF THE NEW PIPE IS NOT SHOWN, THE CONTRACTOR SHALL SURVEY THE INVERTS AT EACH END OF THE PIPES PRIOR TO ITS REMOVAL AND THEN INSTALL THE NEW PIPE ON A UNIFORM GRADE BETWEEN THE SAME INVERTS.

9. ALL NEW DROP MAINTENANCE HOLES SHALL BE OUTSIDE DROP WITH CONCRETE ENCASEMENT. SEE STANDARD DETAIL DRAWING IN THE SPECIFICATIONS.

10. PROVIDE FLEXIBLE JOINTS FOR ALL MAINTENANCE HOLES IN ACCORDANCE WITH SUBSECTION 303-8.7 OF THE TECHNICAL PROVISIONS.

11. MATERIALS AND INFORMATION FURNISHED BY THE CITY, INCLUDING ACCESS TO ANY AVAILABLE TAPES AND BORING REPORTS, ARE FOR THE CONVENIENCE OF THE BIDDER OR CONTRACTOR.

12. SETTLEMENT OF TRENCH PAVEMENT, INCLUDING ASPHALT RESURFACING, ASSOCIATED WITH THE WORK OCCURRING WITHIN A PERIOD OF ONE YEAR AFTER COMPLETION OF THE WORK SHALL BE REPAVED AND RESURFACED AT THE CONTRACTOR'S OWN EXPENSE. THIS WORK IS TO BE TO THE SATISFACTION OF THE ENGINEER. THIS IS TO BE AN INCLUSIVE PROVISION UNDER SUBSECTION 801.13 OF THE GENERAL PROVISIONS.

13. WHERE SHOWN ON THE PLANS, THE CONTRACTOR SHALL REMOVE THE EXISTING LAMPHOLE OR MAINTENANCE HOLE AND CONSTRUCT A NEW MAINTENANCE HOLE IN ITS PLACE. THE NEW MANHOLE SHALL BE CONSTRUCTED TO THE INVERT ELEVATIONS AS SHOWN ON THE DRAWINGS UNLESS OTHERWISE NOTED.

14. EXISTING UNDERGROUND UTILITIES AND STRUCTURES HAVE BEEN LOCATED FROM EVIDENCE ON THE SURFACE OF THE SITE AND FROM AVAILABLE RECORDS. BEFORE COMMENCING CONSTRUCTION, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION OF ALL EXISTING FACILITIES WITHIN THE CONSTRUCTION AREA. THE CONTRACTOR SHALL EXPOSE BURIED STRUCTURES AND UTILITIES AS NEEDED TO VERIFY LOCATIONS AND ELEVATIONS.

15. CONTRACTOR SHALL INSTALL LOCATING WIRE ON NEW PIPES IN ACCORDANCE WITH THE SPECIFICATIONS.

16. CONTRACTOR SHALL FURNISH ONE (1) SET OF MARKED PLANS SHOWING ALL AS-BUILTS MADE DURING THE COURSE OF CONSTRUCTION, INCLUDING LATERAL LOCATION, UPON COMPLETION OF WORK. THE CONTRACTOR SHALL MAINTAIN AND FURNISH RECORDS IN ACCORDANCE WITH SUBSECTION 401.15 OF THE GENERAL PROVISIONS AND SPECIAL CONDITION NO. 8 OF THE SPECIAL PROVISIONS.

17. THE CONTRACTOR SHALL MAINTAIN THE PROJECT SITE IN A NEAT AND ORDERLY CONDITION THROUGHOUT THE CONSTRUCTION PERIOD IN ACCORDANCE WITH SUBSECTIONS 401.6, 401.7 AND 401.7-1 OF THE GENERAL PROVISIONS AND SPECIAL CONDITIONS NO. 6 AND 7 OF THE SPECIAL PROVISIONS.

CONTRACTOR SHALL PERFORM FINAL SWEEPING AND CLEANUP OF ALL STREETS AND SIDEWALKS AFFECTED BY THE CONSTRUCTION UPON COMPLETION OF CONSTRUCTION. FINAL CLEANUP SHALL BE IN ACCORDANCE WITH SUBSECTION 401.13 OF THE GENERAL PROVISIONS.

THE CONTRACTOR IS NOT ALLOWED TO USE WATER TO CLEAN THE STREET PAVEMENT SURFACE THAT WOULD VIOLATE CITY OF BERKELEY MUNICIPAL CODE CHAPTER 17.20.

18. TEMPORARY BITUMINOUS SURFACING AND CLEAN UP OF THE WORK SHALL BE INSPECTED AND MAINTAINED DAILY BY THE CONTRACTOR. CONTRACTOR WILL BE CHARGED BY DEDUCTIONS FROM PAYMENTS DUE ON THE CONTRACT AT THE RATE AND SURCHARGE DESIGNATED IN SPECIAL CONDITIONS NOS. 6 & 7 FOR NON-COMPLIANCE.

19. PIPE TYPES TO BE USED FOR THIS PROJECT SHALL BE IN ACCORDANCE WITH SUBSECTION 207-19 AND 207-25 OF THE TECHNICAL PROVISIONS.

20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SETTING STAKES AND MARKERS FOR EXECUTION AND COMPLETION OF THE WORK. THE WORK SHALL BE IN ACCORDANCE WITH THE LINES, ELEVATIONS AND GRADES SHOWN ON THE APPROVED PLANS. PRIOR TO THE START OF WORK, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER FOR REVIEW AND APPROVAL THE CUT SHEETS OF THE PROPOSED SEWER WORK. FOR ADDITIONAL INFORMATION, REFER TO BID ITEM "CONSTRUCTION STAKING AND CUT SHEETS" AND SPECIAL CONDITION NO. 17 OF THE SPECIAL PROVISIONS AND SUBSECTION 501.7 OF THE GENERAL PROVISIONS.

21. DECISION FOR DETERMINING CLASSIFICATION OF SPECIAL HARD ROCK MATERIAL FOR PAYMENT UNDER BID ITEM "ROCK EXCAVATION" SHALL BE BY THE ENGINEER. MATERIALS CLASSIFIED AS ROCK ARE IGNEOUS, METAMORPHIC AND SEDIMENTARY ROCK AS WELL AS LARGE MASSES OF STONY MATERIAL AND BOULDERS WHICH CANNOT BE EXCAVATED WITHOUT UTILIZING HEAVY DUTY RIPPING EQUIPMENT AND JACK HAMMERS. TO PREVENT FUTURE CONFLICT REGARDING QUANTITIES OF ROCK EXCAVATION, DAILY RECORDS OF ROCK EXCAVATION SHALL BE SUBMITTED BY THE CONTRACTOR.

22. ALL CITY OF BERKELEY MONUMENTS LOCATED WITHIN THE PROJECT AREA MUST BE REFERENCED, PRIOR TO WORK COMMENCING, BY A LICENSED LAND SURVEYOR AS REQUIRED BY SECTION 8771 OF THE BUSINESS AND PROFESSIONS CODE, CORNER RECORDS OF THIS WORK MUST BE SUBMITTED FOR FILING TO BOTH THE COUNTY SURVEYOR OF ALAMEDA COUNTY, AND THE CITY OF BERKELEY, PUBLIC WORKS DEPARTMENT, ENGINEERING DIVISION, SURVEY SECTION.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PRESERVATION OF EXISTING SURVEY MONUMENTS, BENCHMARKS, REFERENCE POINTS AND STAKES. SHOULD ANY SURVEY MONUMENTS, BENCHMARKS, REFERENCE POINTS, OR STAKES BE DAMAGED OR DESTROYED DURING THE PERFORMANCE OF THIS WORK, THE CONTRACTOR SHALL REPLACE SAID ITEMS PER CITY STANDARDS IN ACCORDANCE WITH THE SPECIAL PROVISIONS AND CONTACT A CITY OF BERKELEY, SURVEY SECTION, CHIEF OF PARTY FOR FINAL INSPECTION AND ACCEPTANCE OF THE WORK.

23. RIGHT OF WAY LINES AND PROPERTY LINES SHOWN ARE APPROXIMATE.

24. EXCAVATION LOCATIONS REQUIRED FOR SET-UP AND PLACEMENT OF EQUIPMENT NEEDED FOR PIPE SPLITTING AND PIPE LOWERING SHALL BE DETERMINED BY THE CONTRACTOR UNDER MEANS AND METHODS.

25. THE CONTRACTOR SHALL CONTACT THE CITY OF BERKELEY ARBORIST AT LEAST 48 HOURS IN ADVANCE OF PERFORMING WORK UNDER THE DRIP LINE OF EXISTING STREET TREES AND WHEN EXCAVATION IS PLANNED WITHIN THE ROOT SYSTEM OF THE TREE. THE CITY ARBORIST WILL REVIEW EACH LOCATION ON A CASE-BY-CASE BASIS TO CONFIRM THE ALLOWABLE EXTENT OF ROOT AND BRANCH PRUNING REQUIRED.

26. THE CONTRACTOR SHALL CONTACT AC TRANSIT AT LEAST 48 HOURS IN ADVANCE OF PERFORMING WORK SHOULD ANY STREET OR LANE CLOSURES REQUIRE RE-ROUTING OF PUBLIC TRANSIT.

27. UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL ADHERE TO THE CITY'S HOLIDAY AND REDUCED SERVICE DAYS SCHEDULE PER THE HOLIDAYS SECTION OF THE SPECIAL PROVISIONS. IN ADDITION, UNLESS OTHERWISE APPROVED IN ADVANCE BY THE CITY'S TRAFFIC ENGINEER, LANE CLOSURES ON MAJOR STREETS AND COLLECTOR STREETS (MARTIN LUTHER KING JR. WAY, ADELIN STREET, ALCATRAZ AVENUE, ETC.) ARE PROHIBITED DURING MORNING AND EVENING COMMUTE HOURS PER SECTION 24.2 OF THE SPECIAL CONDITIONS IN THE SPECIAL PROVISIONS.

28. EXISTING SANITARY SEWER LATERALS SHOWN WITH A (R) SYMBOL REPRESENT A LATERAL WHICH A CLEANOUT WAS NOT LOCATED IN THE FIELD BUT IS SHOWN ON CITY RECORD MAPS. CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING SANITARY SEWER LATERALS IN THE FIELD VIA PRE-CONSTRUCTION CCTV AND INSTALL NEW SANITARY SEWER LATERAL WITH CLEANOUT PER THE SPECIAL PROVISIONS IN THE PROJECT SPECIFICATIONS.

29. CONTRACTOR SHALL, AT NO EXTRA COST TO THE CITY, REPAIR TO ORIGINAL CONDITION ANY SURFACE DAMAGES AS A RESULT OF GROUND HEAVE FROM METHOD "B" REHABILITATION. THIS INCLUDES RESTORATION OF GRADING, PAVING, SIDEWALKS, DRIVEWAYS, CURB, GUTTER, STRIPING, LANDSCAPING OR ANY OTHER SURFACE FEATURE DAMAGED BY METHOD "B" REHABILITATION.

30. WHERE CONTRACTOR IS REPLACING SEWER STRUCTURE IRONS, (IE MAINTENANCE HOLE LIDS, LAMPHOLE LIDS, GRATES, ETC), THE CONTRACTOR SHALL SALVAGE EXISTING IRONS AND RETURN TO THE CITY OF BERKELEY CORPORATION YARD OR AS DIRECTED BY THE ENGINEER.

ABBREVIATIONS

ABAN	ABANDONED	MAX	MAXIMUM
ABS	ACRYLONITRILE BUTADIENE STYRENE	MH	MAINTENANCE HOLE
AC	ASPHALT CONCRETE	MIN	MINIMUM
APPD	APPROVED	MISC	MISCELLANEOUS
APPROX	APPROXIMATE	ML&PECS	MORTAR LINED & PLAIN END COATED STEEL CITY SURVEY MONUMENT
BC	BEGIN CURVE	MON	
BLVD	BOULEVARD	N	NORTH
BM	BENCHMARK	N/A	NOT APPLICABLE
BOL	BOLLARD	NIC	NOT IN CONTRACT
B.O.P.	BOTTOM OF PIPE	NTS	NOT TO SCALE
BOT	BOTTOM	OD	OUTSIDE DIAMETER
BWV	BACKWATER CHECK VALVE	OF	OVERFLOW
C OR CATV	CABLE TELEVISION	OHE	OVERHEAD ELECTRICITY
CB	CATCH BASIN	OHT	OVERHEAD TELEPHONE
CC	CENTER TO CENTER	OHWM	ORDINARY HIGH WATER MARK
CE	CONSTRUCTION EASEMENT	OUT	OUTLET
C&G	CURB AND GUTTER	PCC	POINT OF COMPOUND CURVE
CIP	CAST IRON PIPE	PE	POLYETHYLENE
CK	CULVERTED CREEK	PG&E	PACIFIC GAS AND ELECTRIC
CL	CENTERLINE	PL	PROPERTY LINE
CLR	CLEARANCE	PI	POINT OF INTERSECTION
CLSM	CONTROLLED LOW STRENGTH MATERIAL	PP	POWER POLE
CMP	CORRUGATED METAL PIPE	PT	POINT
CO	CLEANOUT	PRC	POINT OF REVERSE CURVE
COB	CITY OF BERKELEY	PVC	POINT OF VERTICAL CURVE
CONC	CONCRETE		OR POLYVINYL CHLORIDE
CONN	CONNECTION	PVMT	PAVEMENT
CONT	CONTINUOUS OR CONTINUATION	RAD	RADIUS
CP	CONTROL POINT	RCP	REINFORCED CONCRETE PIPE
CR	CURB RAMP	RD	ROAD
CTR	CENTER	RR	RAILROAD
DET	DETAIL	R/W	RIGHT-OF-WAY
DI	DROP INLET	S	SOUTH OR SLOPE
DIA., Ø	DIAMETER	SD	STORM DRAIN
DIP	DUCTILE IRON PIPE	SDR	STANDARD THERMOPLASTIC PIPE DIMENSION RATIO
DR	DRAIN	SECT	SECTION
DWG(S)	DRAWING(S)	SHT	SHEET
DWY	DRIVEWAY	SPECS	SPECIFICATIONS
E	EAST OR ELECTRICITY	SS	SANITARY SEWER
EA	EACH	SSCO	SANITARY SEWER CLEANOUT
EBMUD	EAST BAY MUNICIPAL UTILITY DISTRICT	SSE	SANITARY SEWER EASEMENT
EC	END CURVE	SSMH	SANITARY SEWER MAINTENANCE HOLE
ECC	ECCENTRIC	STA	STATION
EL	ELEVATION	STD	STANDARD
ELEC	ELECTRICITY	T, TEL	TELEPHONE
EP	EDGE OF PAVEMENT	T&B	TOP AND BOTTOM
EX	EXISTING	TC	TOP OF CURB OR CONCRETE
FFE	FINISHED FLOOR ELEVATION	T.O.P.	TOP OF PIPE
FG	FINISHED GRADE	TP	TELEPHONE POLE
FH	FIRE HYDRANT	TS	TRAFFIC SIGNAL
FIN	FINISHED	TYP	TYPICAL
FL	FLOW LINE	UG	UNDERGROUND
FM	FORCE MAIN	U	UTILITY
FT	FOOT OR FEET	UNO	UNLESS NOTED OTHERWISE
G	GAS	V	VAULT
GM	GAS METER	VAR	VARIES OR VARIABLE
GV	GAS VALVE	VERT	VERTICAL
GVL	GRAVEL	VCP	VITRIFIED CLAY PIPE
HDPE	HIGH DENSITY POLYETHYLENE PIPE	VIF	VERIFY IN FIELD
HORIZ	HORIZONTAL	W	WEST OR WATER
HP	HIGH POINT	WM	WATER METER
HT	HEIGHT	WSCL&C	WELDED STEEL CEMENT LINED & COATED
HWY	HIGHWAY	WV	WATER VALVE
ID	INSIDE DIAMETER	YD	YARD
IN	INLET OR INCH		
INV	INVERT		
L	STREET LIGHT OR TRAFFIC SIGNAL BOX		
LF	LINEAR FEET		
LH	LAMPHOLE		
LP	LOW POINT OR LIGHT POLE		
LT	LEFT		

SEWER REPLACEMENT METHODS

METHOD "A" - CURED-IN-PLACE PIPE LINER (CIPP LINER), DEFORMED RE-FORMED HDPE PIPE LINER.
 METHOD "B" - PIPE SPLITTING METHOD. USE HDPE PIPE SDR-17.
 METHOD "C" - TRADITIONAL OPEN TRENCH REPLACEMENT. USE HDPE SDR-17.

LEGEND

	REMOVE EXISTING SEWER AND CONSTRUCT NEW SANITARY SEWER
	PLUG & ABANDON EXIST SANITARY SEWER
	EXIST BART SUBGRADE RIGHT OF WAY
	EXIST MAINTENANCE HOLE TO BE REPLACED
	EXIST MAINTENANCE HOLE TO BE REHABILITATED
	NEW MAINTENANCE HOLE
	EXISTING MAINTENANCE HOLE
	EXISTING SANITARY SEWER W/CLEANOUT
	EXISTING SANITARY SEWER W/LAMPHOLE
	EXISTING SANITARY SEWER W/MAINTENANCE HOLE
	EXISTING STORM DRAIN SEWER W/MAINTENANCE HOLE
	EXISTING STORM DRAIN SEWER W/CATCH BASIN
	EXISTING CULVERTED CREEK
	EXISTING ELECTRICITY
	EXISTING GAS LINE W/VALVE
	EXISTING WATER LINE W/VALVE AND FH
	MATCH LINE
	CENTER LINE
	PROPERTY LINE
	COORDINATE TICK MARK
	STREET LIGHT W/POLE
	TRAFFIC SIGNAL W/POLE
	POWER &/OR TELEPHONE POLE W/ GUY
	TREE
	SOIL BORING
	POTHOLE
	LIGHT POLE
	TRAFFIC SIGNAL
	BENCH MARK
	CONTROL POINT SET
	CONTROL POINT FOUND
	MISCELLANEOUS SURVEY POINT FOUND
	STANDARD CITY WELL MONUMENT
	STANDARD CITY DISC MONUMENT
	CUT CROSS MONUMENT FOUND
	CUT CROSS MONUMENT SET
	EBMUD PIN MONUMENT
	EBMUD WELL MONUMENT

MATERIAL LEGEND



CSW ST2
 2001 Addison Street
 Berkeley, CA 94704
 415.883.9850
 CSWST2.com

PROJECT MANAGER: _____ DATE _____
 SURVEY CHIEF OF PARTY _____
 WATERSHED REVIEW: _____ DATE _____
 0 1 2 3
 FOR REDUCED PLANS - ORIGINAL SCALE IS IN INCHES

DEPICTION OF MONUMENTS: _____ DATE _____
 SURVEY CHIEF OF PARTY _____
 WATERSHED REVIEW: _____ DATE _____

SUBMITTED: _____ DATE _____
 SUPERVISING ENGINEER _____
 EXP. _____
 APPROVED: _____ DATE _____
 CITY ENGINEER _____ EXP. _____

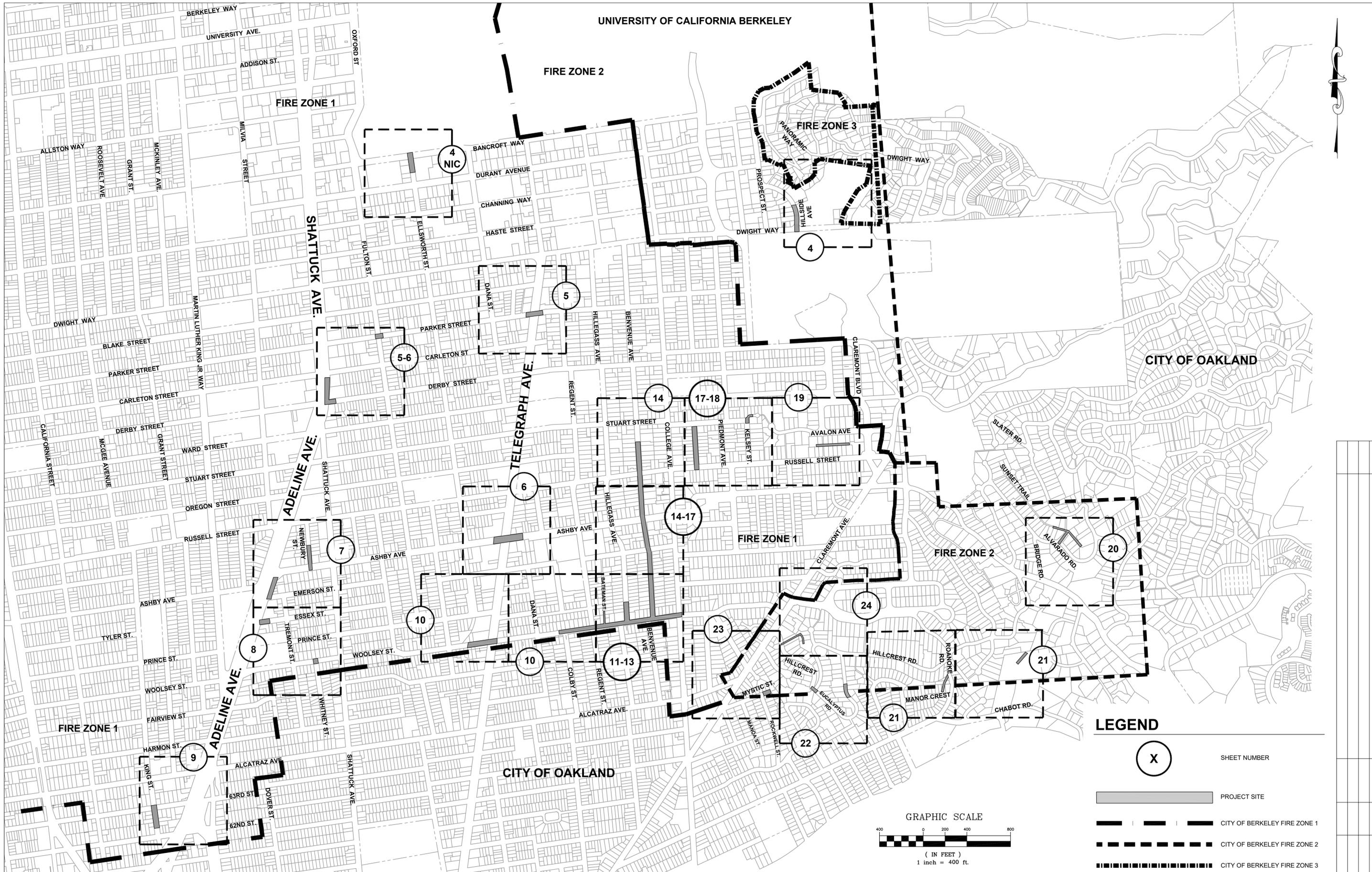
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 HORIZ: AS NOTED
 VERT: _____
 BOOK: _____
 DATE: 12/12/25

CITY OF BERKELEY
 DEPARTMENT OF PUBLIC WORKS

SANITARY SEWER REHABILITATION AND REPLACEMENT PROJECT
 ABBREVIATIONS, GENERAL NOTES, & LEGEND

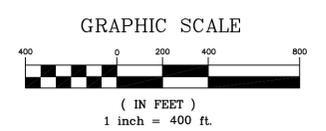
PLAN 8301
 FILE 502-726
 T2
 SHEET 2 OF 32

APPROVAL	
DESCRIPTION	
DATE	
MARK	
REVISION	



LEGEND

- X SHEET NUMBER
- PROJECT SITE
- CITY OF BERKELEY FIRE ZONE 1
- CITY OF BERKELEY FIRE ZONE 2
- CITY OF BERKELEY FIRE ZONE 3



CSW ST2
 2001 Addison Street
 Berkeley, CA 94704
 415.883.9850
 CSWST2.com

PROJECT MANAGER: _____ DATE _____
 SURVEY CHIEF OF PARTY _____ DATE _____
 WATERSHED REVIEW: _____ DATE _____
 FOR REDUCED PLANS - ORIGINAL SCALE IS IN INCHES

DEPICTION OF MONUMENTS: _____ DATE _____
 SURVEY CHIEF OF PARTY _____ DATE _____
 WATERSHED REVIEW: _____ DATE _____

SUBMITTED: _____ DATE _____
 SUPERVISING ENGINEER _____ EXP. _____
 APPROVED: _____ DATE _____
 CITY ENGINEER _____ R.C.E. _____ EXP. _____

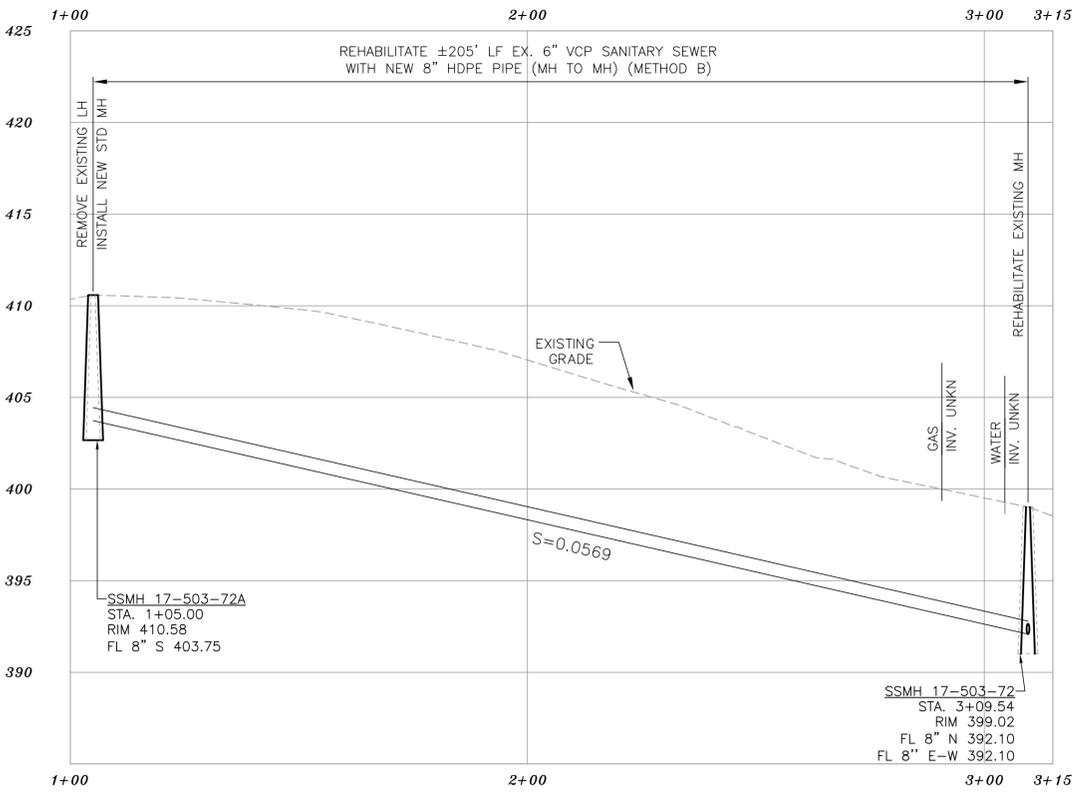
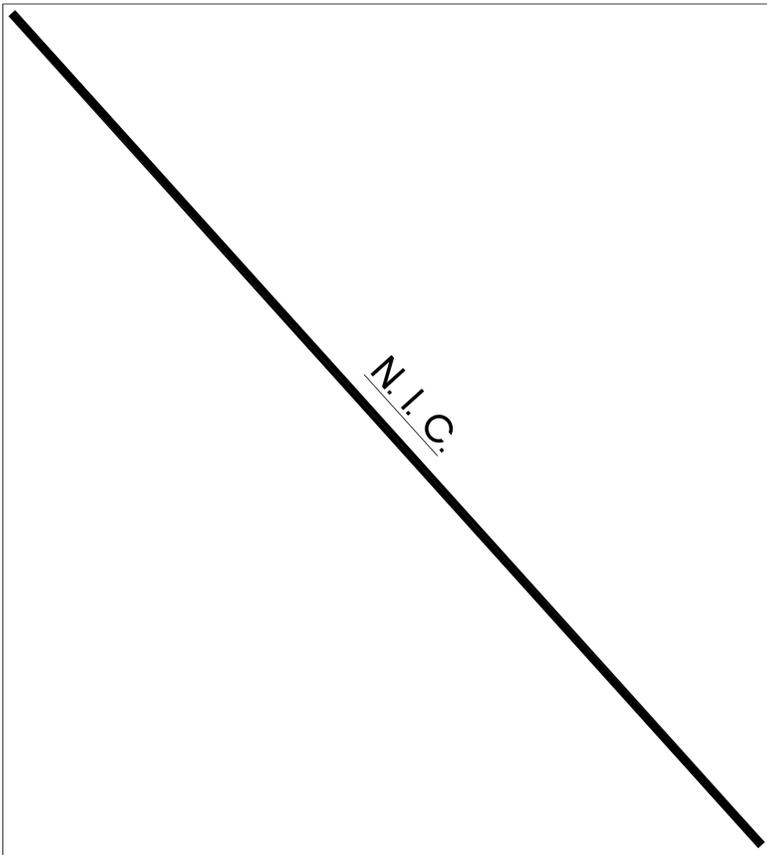
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 AS BUILT: _____ DATE 12/12/25

HORIZ. 1" = 400'
 VERT. _____
 BOOK _____
 DATE 12/12/25

CITY OF BERKELEY
 DEPARTMENT OF PUBLIC WORKS
SANITARY SEWER REHABILITATION AND REPLACEMENT PROJECT
 INDEX SHEET

PLAN 8301
 FILE 502-726
 T3
 SHEET 3 OF 32

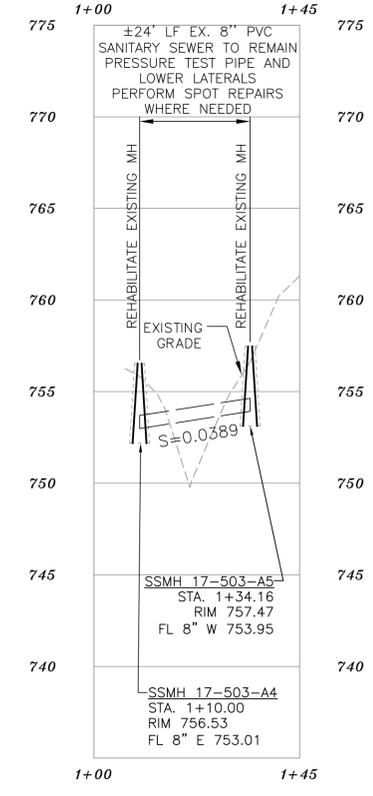
REVISION	MARK	DATE	DESCRIPTION	APPROVAL



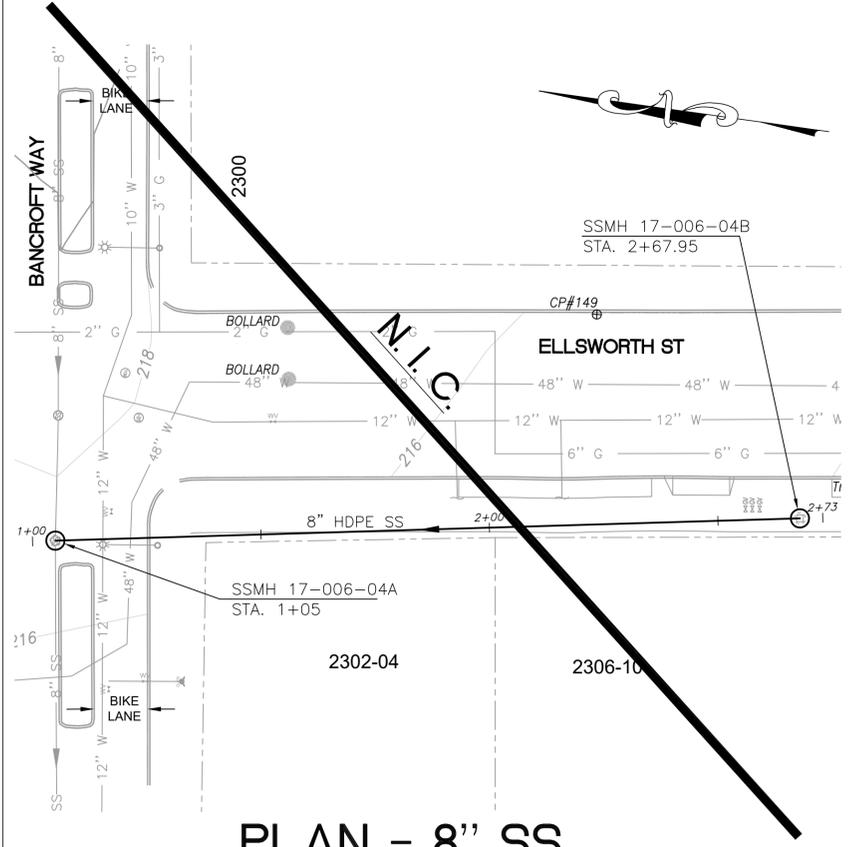
PROFILE - 8" SS

PROFILE - 8" SS

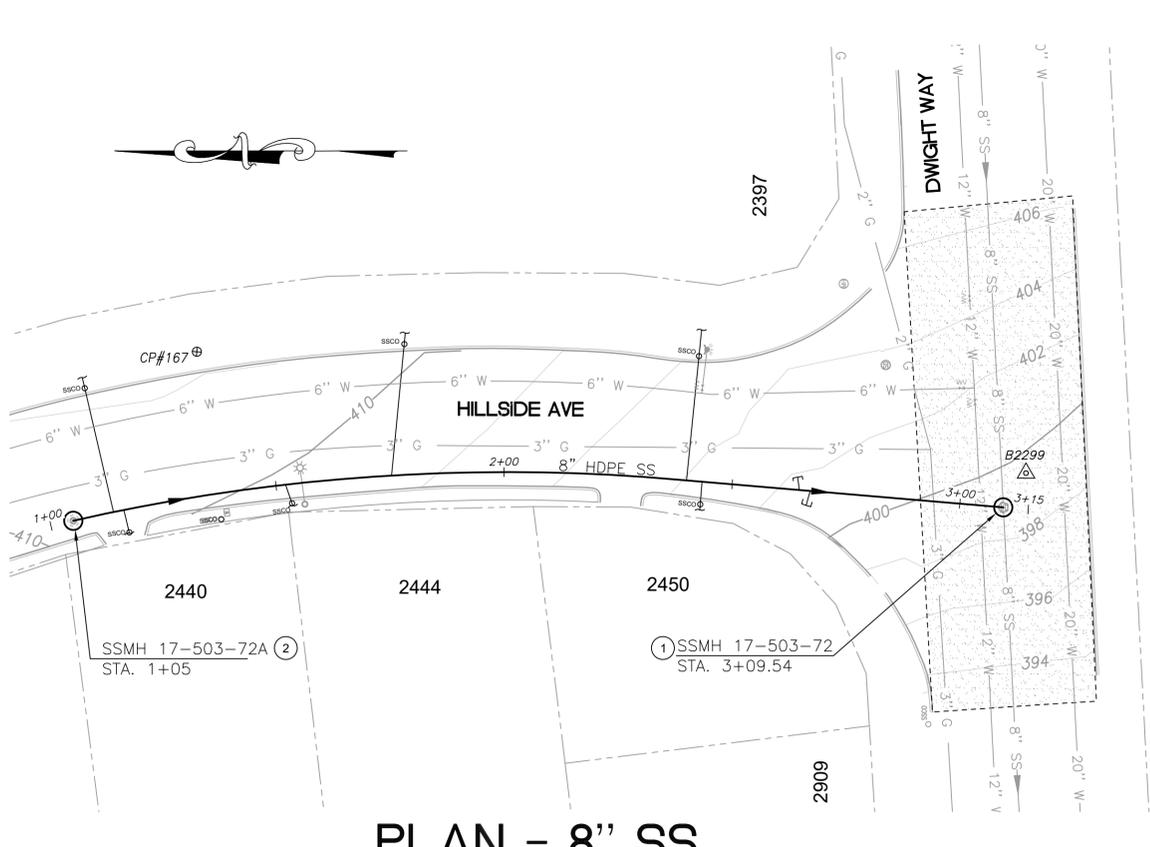
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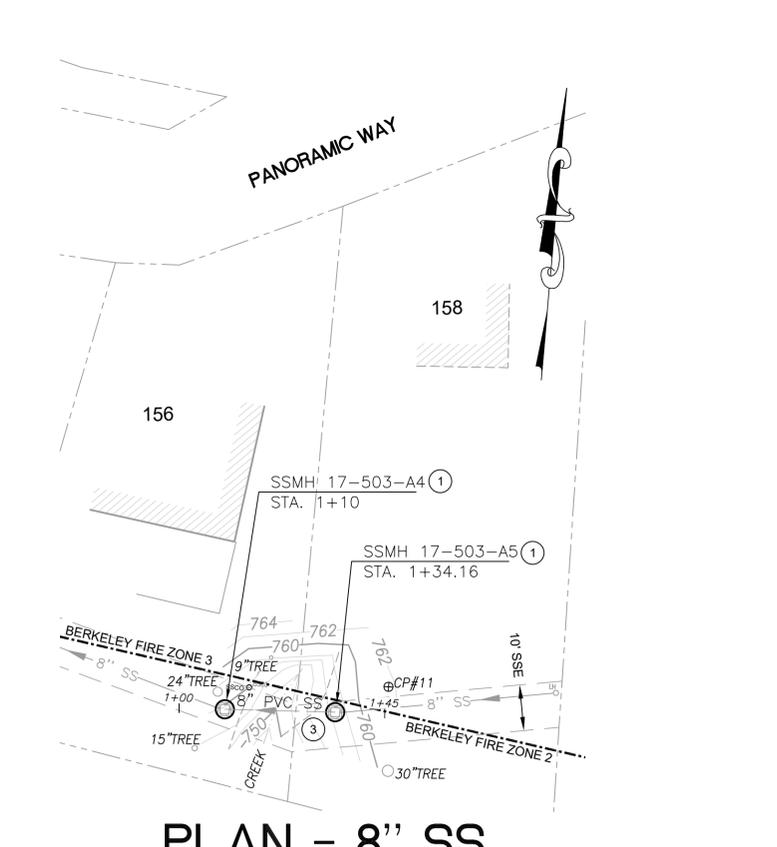
- NOTES:**
- FOR GENERAL NOTES SEE SHEET 3 OF THE PLANS.
 - LOWER LATERALS ARE SHOWN BASED ON CCTV, SURVEY DATA, AND RECORD INFORMATION. LOWER LATERALS ARE SHOWN IN DASHED LINE WHERE UNCONFIRMED BY CCTV OR SURVEY DATA. LOWER LATERALS COULD NOT BE DETERMINED AS ACTIVE OR ABANDONED DURING THE PREPARATION OF THESE PLANS. PRIOR TO SEWER MAIN REHABILITATION AND ANY LATERAL RECONSTRUCTION, THE CONTRACTOR SHALL IDENTIFY ALL LATERALS AS ACTIVE OR ABANDONED AND COORDINATE FINDINGS WITH THE ENGINEER.
 - RECONSTRUCT CITY MONUMENTS DISTURBED BY SEWER INSTALLATION. REFER TO STANDARD DETAIL PLAN NOS. 8090 & 8091 OF THE SPECIFICATIONS.
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 - SPOT REPAIRS ARE SHOWN BASED ON CCTV. PRIOR TO SEWER MAIN REHABILITATION, THE CONTRACTOR SHALL VERIFY LOCATIONS OF SPOT REPAIRS AND PERFORM SPOT REPAIRS AS NEEDED.
- KEYNOTES**
- REHABILITATE EXISTING SSMH
 - REMOVE AND DISPOSE EX. SS STRUCTURE (JUNCTION BOX, LAMPPOLE, CLEANOUT, ETC). INSTALL STANDARD MH PER COB STD PLAN 7895, SHEET 26
 - ADD POLYWRAP COATING TO PROTECT EXPOSED PIPE OVER CREEK



PLAN - 8" SS



PLAN - 8" SS



PLAN - 8" SS



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PROJECT MANAGER:	DATE
SURVEY CHIEF OF PARTY	DATE
WATERSHED REVIEW:	DATE

DEPICTION OF MONUMENTS:	DATE
SURVEY CHIEF OF PARTY	DATE
WATERSHED REVIEW:	DATE

SUBMITTED:	DATE
SUPERVISING ENGINEER	REGISTR.
APPROVED:	DATE
CITY ENGINEER	EXP.

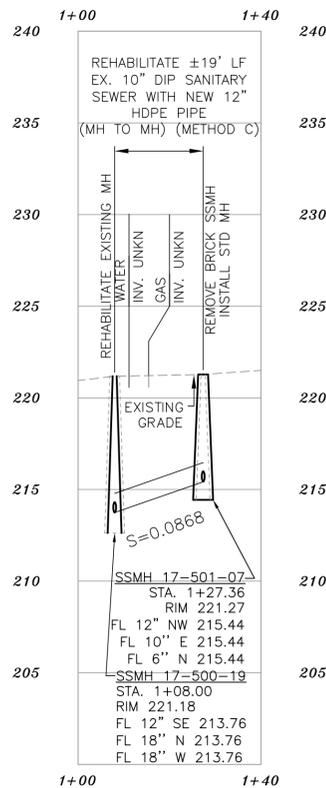
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CITY OF BERKELEY
DEPARTMENT OF PUBLIC WORKS

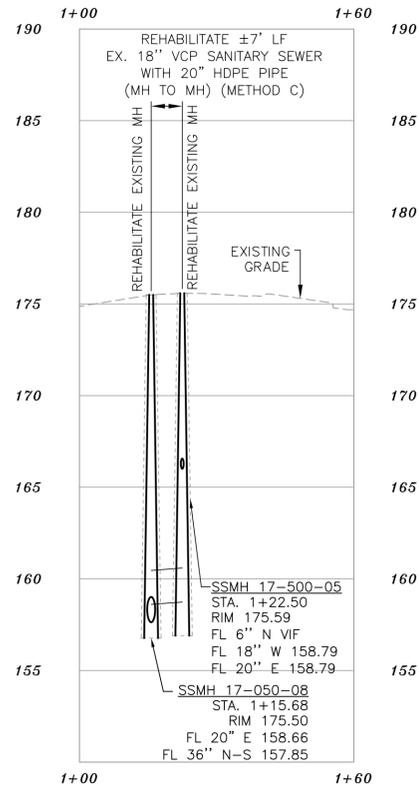
SANITARY SEWER REHABILITATION AND REPLACEMENT PROJECT
PLAN AND PROFILE
ELLSWORTH STREET, HILLSIDE AVENUE, PANORAMIC WAY

PLAN	8301
FILE	502-726
C1.00	
SHEET	4 OF 32

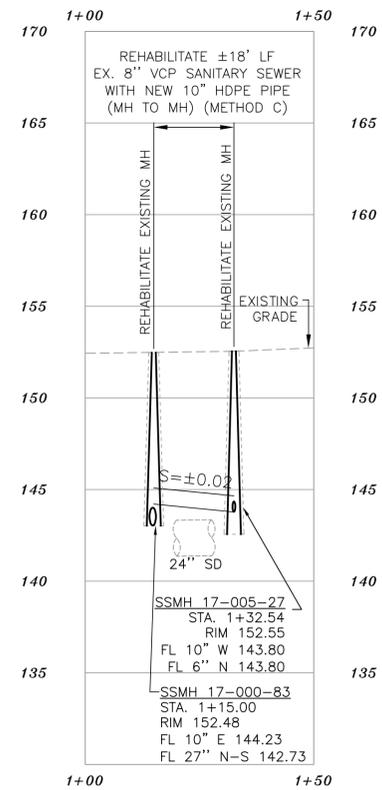
APPROVAL	
DESCRIPTION	
DATE	
MARK	
REVISION	



PROFILE - 12" SS



PROFILE - 18" SS



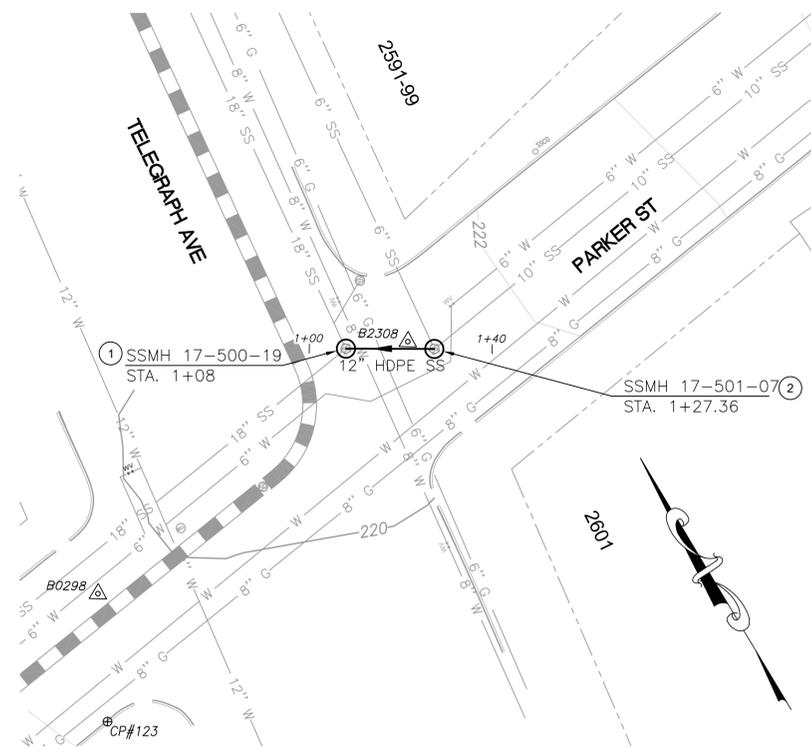
PROFILE - 10" SS

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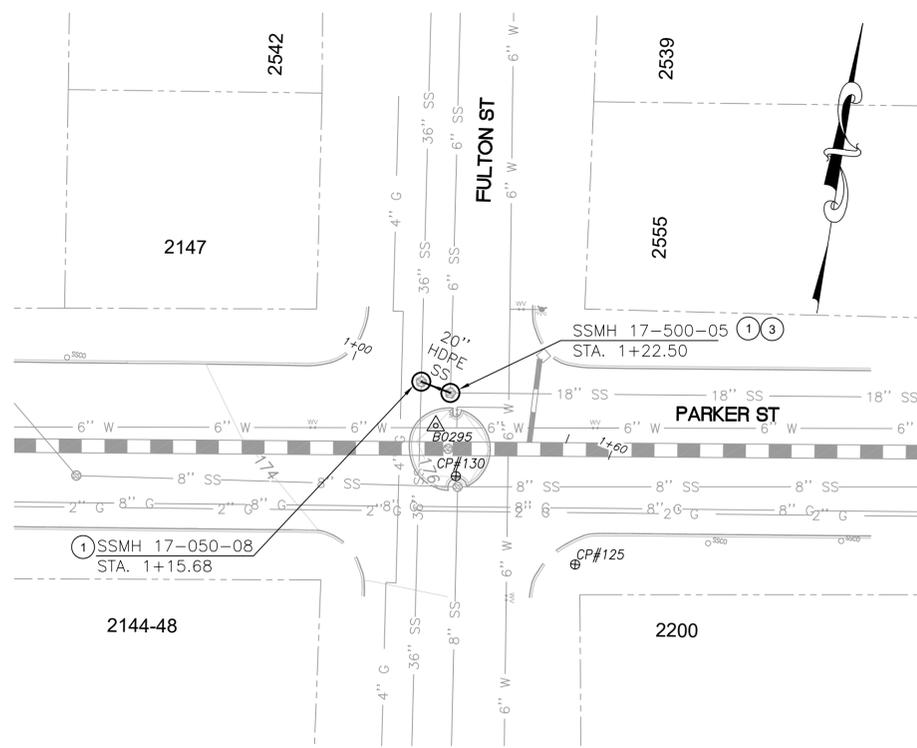
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KEYNOTES

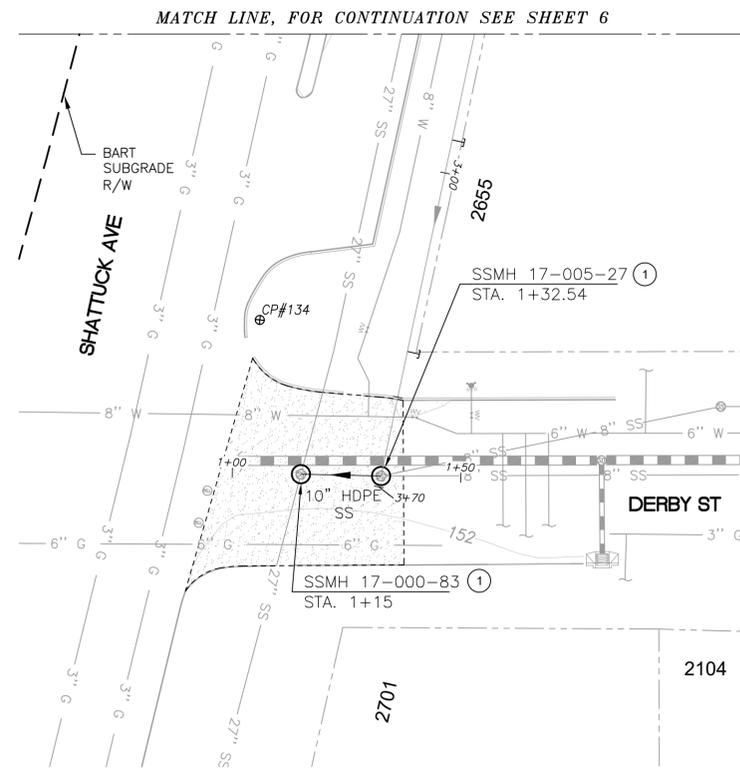
- REHABILITATE EXISTING SSMH
- STANDARD SSMH PER COB PLAN 7895, SEE SHEET 26 (REMOVE AND DISPOSE EX. BRICK SSMH)
- NEW DROP TEE CONNECTION PER DETAIL 4, SHEET 28



PLAN - 12" SS



PLAN - 18" SS



PLAN - 10" SS



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PROJECT MANAGER: _____ DATE _____
SURVEY CHIEF OF PARTY _____ DATE _____
WATERSHED REVIEW: _____ DATE _____
FOR REDUCED PLANS - ORIGINAL SCALE IS IN INCHES

DEPICTION OF MONUMENTS: _____ DATE _____
SUBMITTED: _____ DATE _____
SUPERVISING ENGINEER _____ EXP. _____
APPROVED: _____ DATE _____
CITY ENGINEER _____ EXP. _____

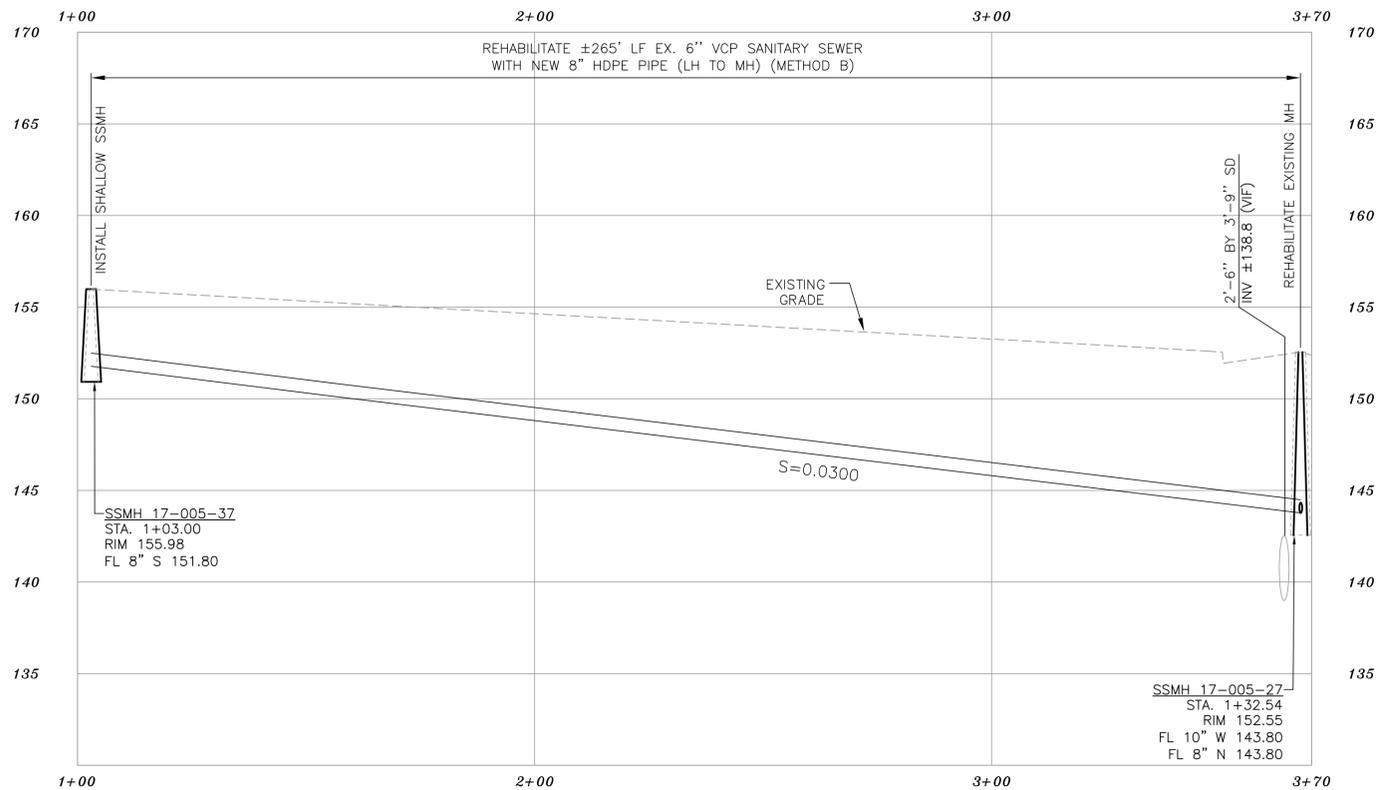
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DRAWN: DC
CHECK: JD
AS BUILT: _____
HORIZ. 1" = 20'
VERT. 1" = 5'
BOOK: _____
DATE: 12/12/25

CITY OF BERKELEY
DEPARTMENT OF PUBLIC WORKS

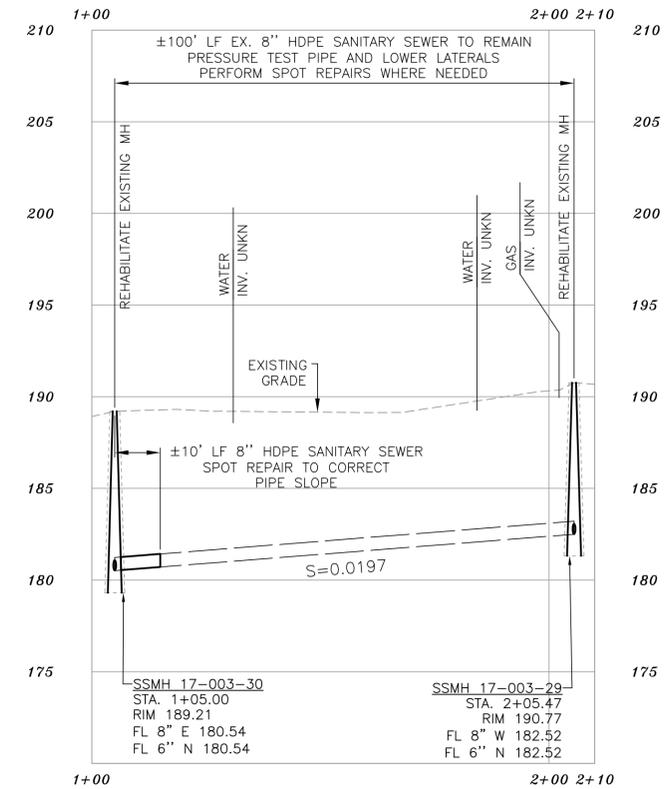
SANITARY SEWER REHABILITATION AND REPLACEMENT PROJECT
PLAN AND PROFILE
PARKER STREET, TELEGRAPH AVENUE, DERBY STREET

PLAN 8301
FILE 502-726
C1.01
SHEET 9 OF 32

REVISION	MARK	DATE	DESCRIPTION	APPROVAL



PROFILE - 8" SS



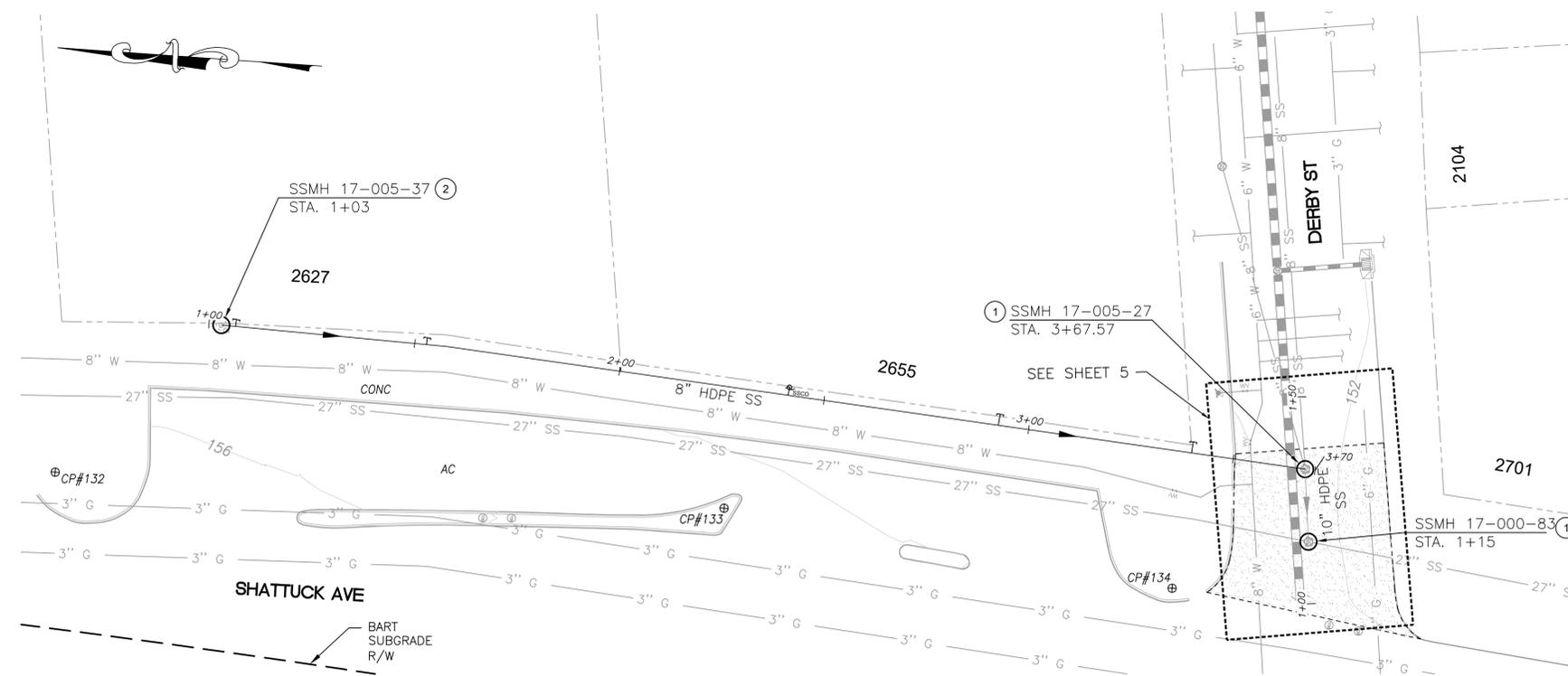
PROFILE - 8" SS

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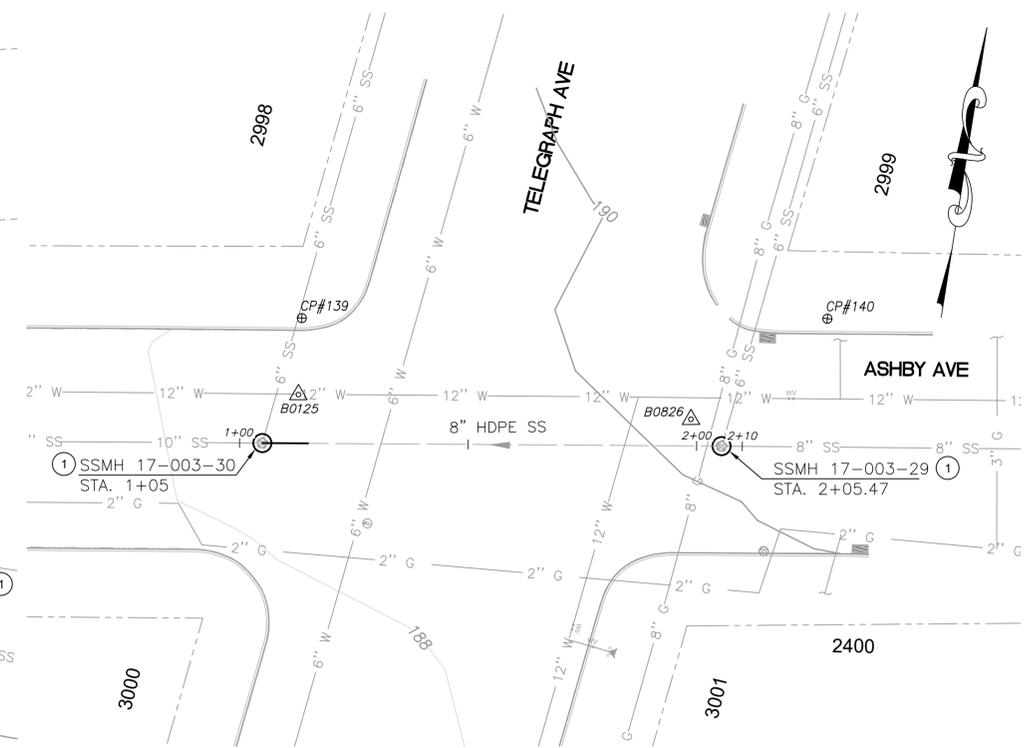
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KEYNOTES

- REHABILITATE EXISTING SSMH
- SHALLOW SSMH PER COB STD PLAN 6653. SEE SHEET 26 (REMOVE AND DISPOSE EX. STRUCTURE, RE-CONNECT ALL PIPES AND MAINTAIN EX. INVERTS (VIF))



PLAN - 8" SS



PLAN - 8" SS



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PROJECT MANAGER: _____ DATE _____
 SURVEY CHIEF OF PARTY _____
 WATERSHED REVIEW: _____ DATE _____
 FOR REDUCED PLANS - ORIGINAL SCALE IS IN INCHES

DEPICTION OF MONUMENTS: _____ DATE _____
 SURVEY CHIEF OF PARTY _____
 WATERSHED REVIEW: _____ DATE _____

SUBMITTED: _____ DATE _____
 SUPERVISING ENGINEER _____
 EXP. _____
 APPROVED: _____ DATE _____
 CITY ENGINEER _____

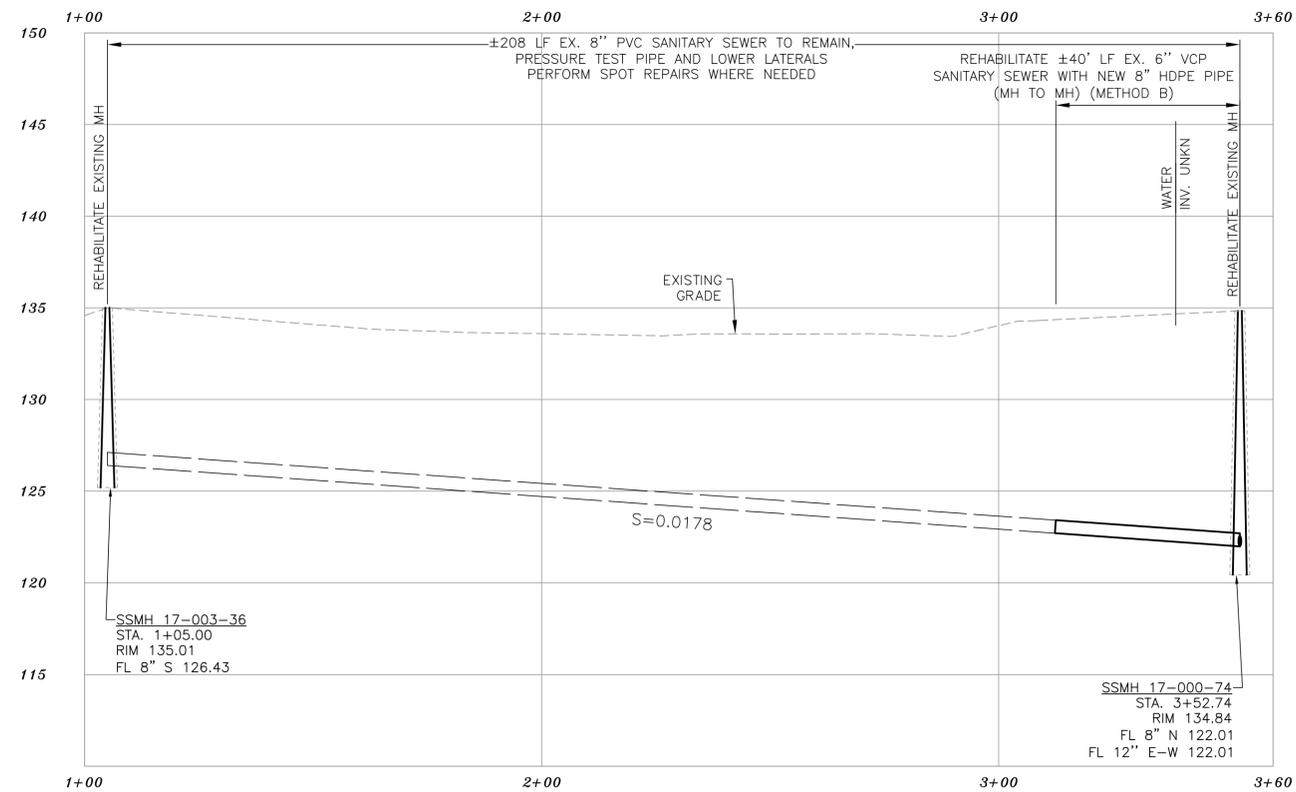
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 AS BUILT: _____ DATE 12/12/25

CITY OF BERKELEY
 DEPARTMENT OF PUBLIC WORKS

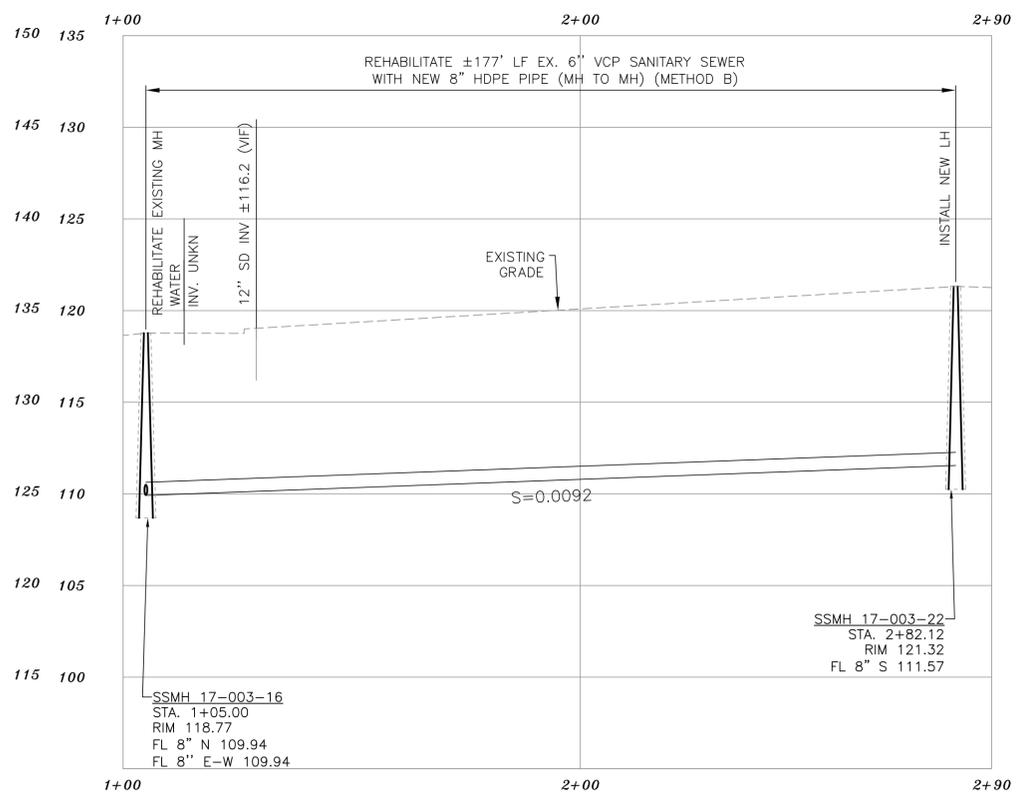
SANITARY SEWER REHABILITATION AND REPLACEMENT PROJECT
 PLAN AND PROFILE
 SHATTUCK AVENUE, ASHBY AVENUE, TELEGRAPH AVENUE

PLAN 8301
 FILE 502-726
 C1.02
 SHEET 6 OF 32

REVISION	MARK	DATE	DESCRIPTION	APPROVAL



PROFILE - 8" SS



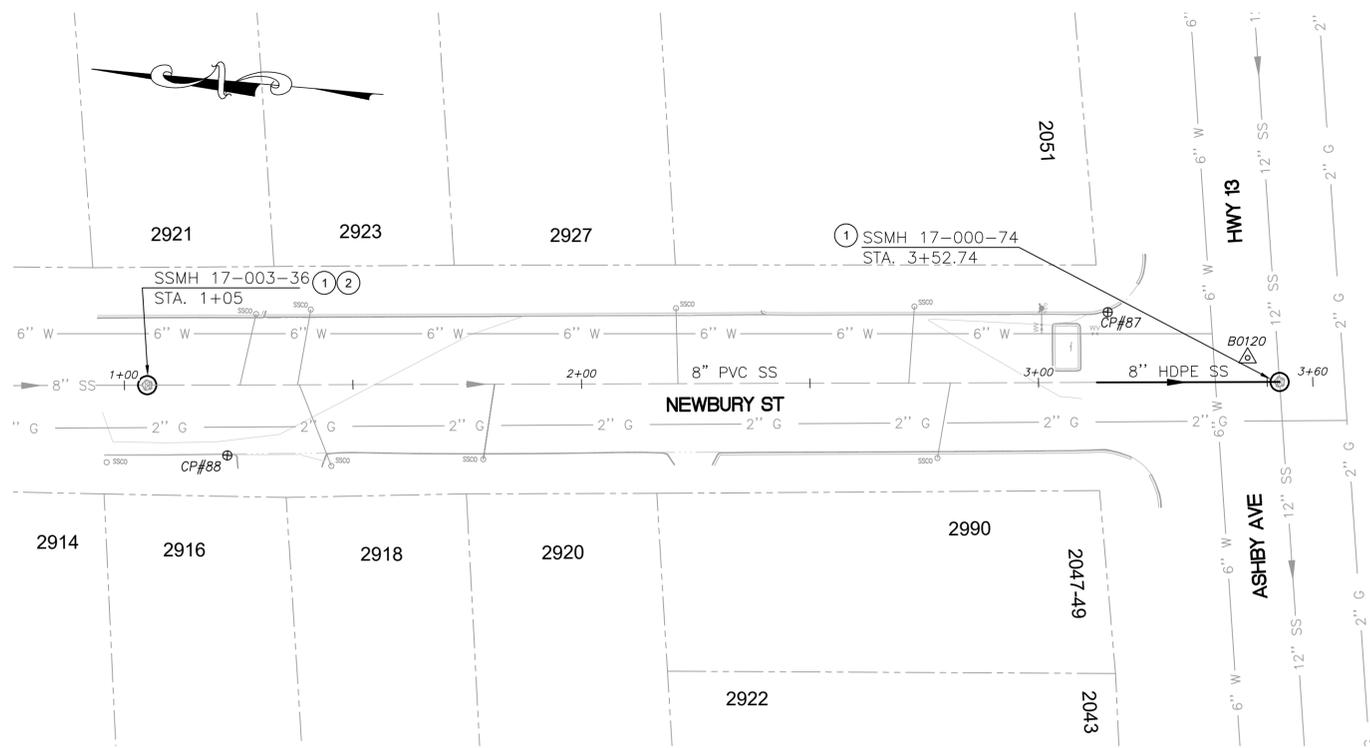
PROFILE - 8" SS

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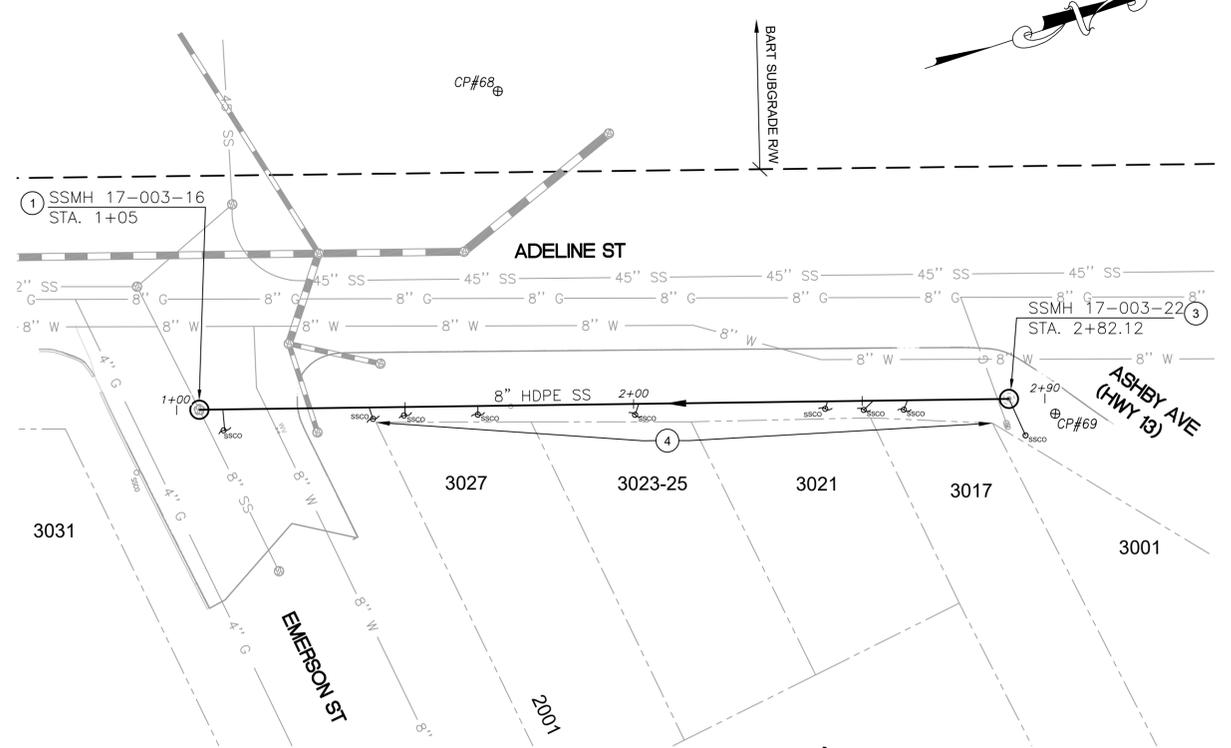
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KEYNOTES

- ① REHABILITATE EXISTING SSMH
- ② REMOVE AND REPLACE BROKEN GRADE RING, ADJUST MANHOLE FRAME AND COVER PER COB STD PLAN 8193, SEE SHEET 26
- ③ NEW SANITARY SEWER LAMP HOLE PER DETAIL 3, SHEET 27. REMOVE AND DISPOSE EX. LH WHERE EXISTS
- ④ CONTRACTOR SHALL VERIFY THAT NO BASEMENT LEVELS EXIST WITHIN BUILDINGS PRIOR TO CONSTRUCTION. CONTACT THE ENGINEER IMMEDIATELY WHERE ANY BASEMENTS EXIST.



PLAN - 8" SS



PLAN - 8" SS



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PROJECT MANAGER:	DATE	DEPICTION OF MONUMENTS:	DATE
SURVEY CHIEF OF PARTY:		WATERSHED REVIEW:	DATE

SUBMITTED:	DATE	DESIGN:	JD
SUPERVISING ENGINEER:	REGISTR. EXP.	DRAWN:	DC
APPROVED:	DATE	CHECK:	JD
CITY ENGINEER:	R.C.E. EXP.	AS BUILT:	

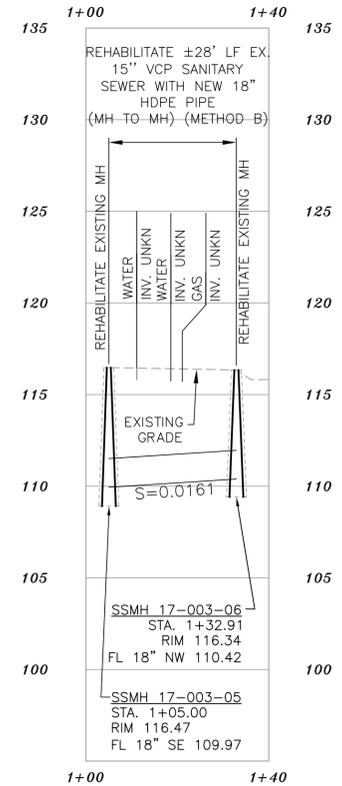
HORIZ.:	1" = 20'
VERT.:	1" = 5'
BOOK:	
DATE:	12/12/25

CITY OF BERKELEY
 DEPARTMENT OF PUBLIC WORKS

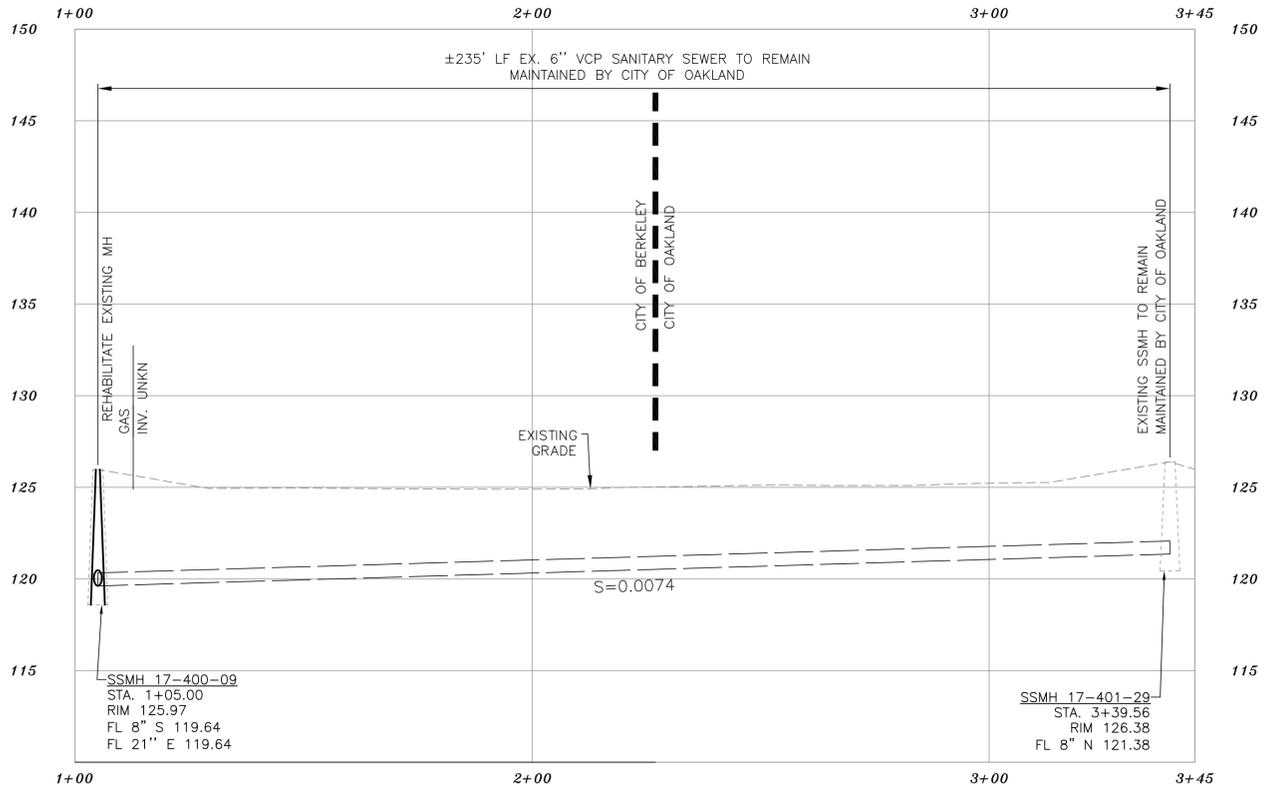
SANITARY SEWER REHABILITATION AND REPLACEMENT PROJECT
 PLAN AND PROFILE
 NEWBURY STREET, ADELINE STREET, EMERSON STREET

PLAN:	8301
FILE:	502-726
C1.03	
SHEET:	7 OF 32

APPROVAL	
DESCRIPTION	
DATE	
MARK	
REVISION	



PROFILE - 18" SS



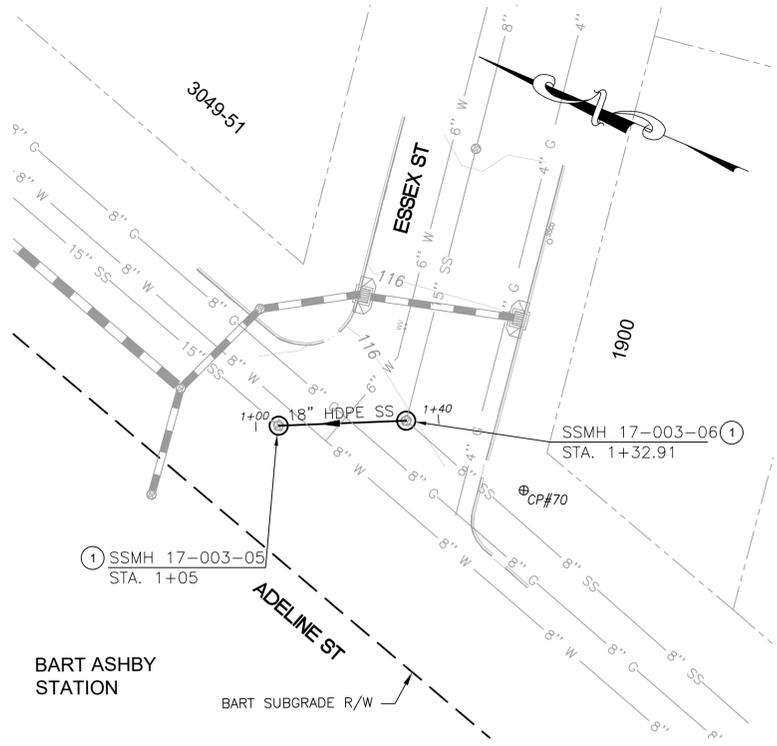
PROFILE - 6" SS

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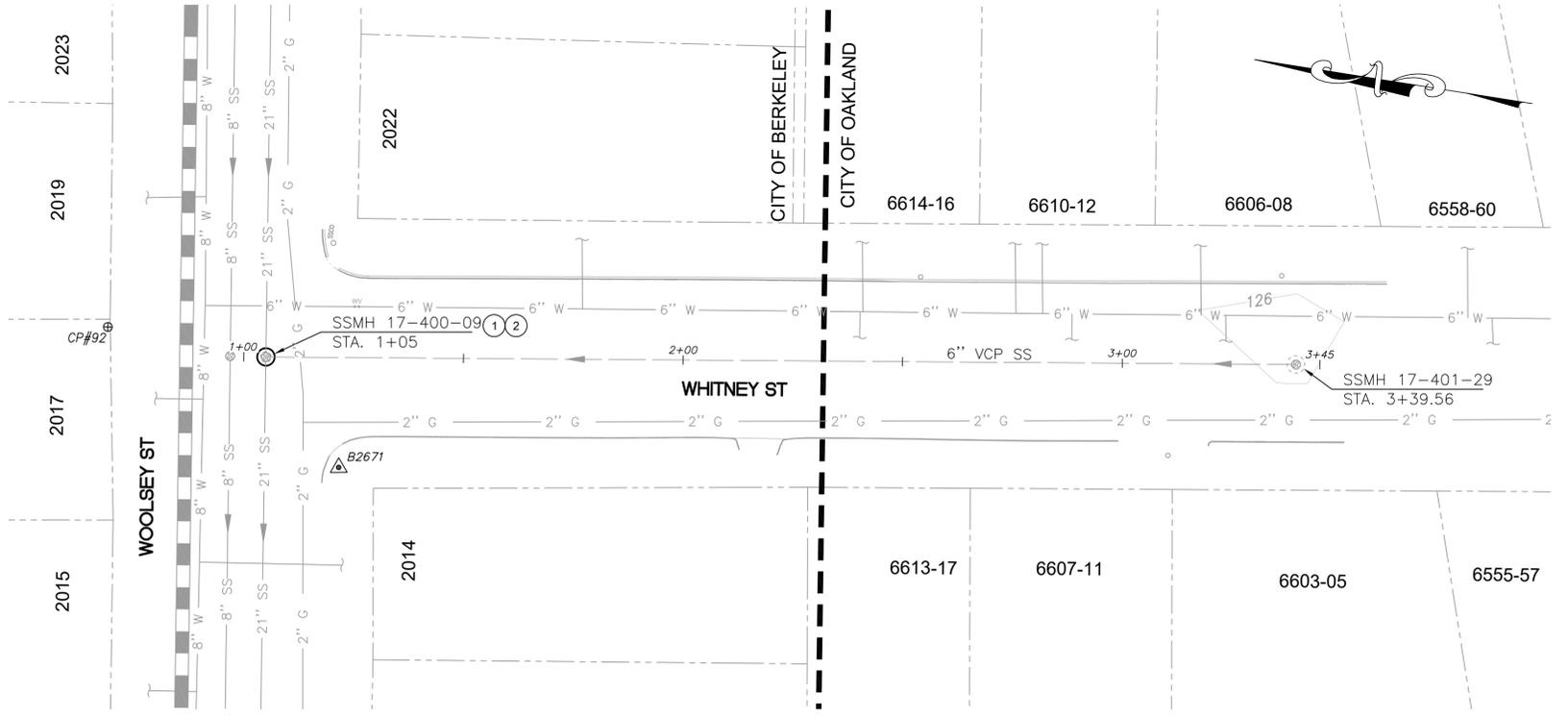
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- CONTRACTOR SHALL OBTAIN ANY PERMITS INCLUDING CITY OF OAKLAND ENCROACHMENT PERMIT FOR WORK WITHIN CITY OF OAKLAND.

KEYNOTES

- ① REHABILITATE EXISTING SSMH
- ② REMOVE AND DISPOSE STEPS



PLAN - 18" SS



PLAN - 6" SS



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PROJECT MANAGER:	DATE
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DEPICTION OF MONUMENTS:	DATE
CITY ENGINEER	DATE

SUBMITTED:	DATE
SUPERVISING ENGINEER	REGISTR. EXP.
APPROVED:	DATE
CITY ENGINEER	R.C.E. EXP.

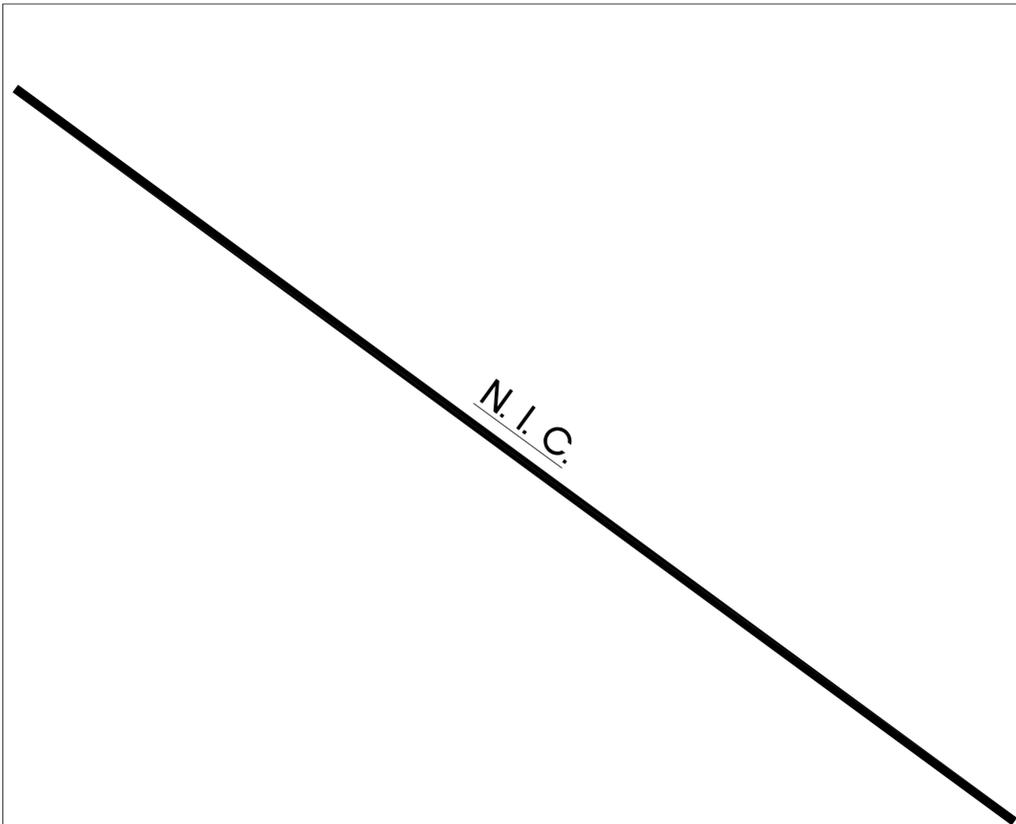
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CITY OF BERKELEY
 DEPARTMENT OF PUBLIC WORKS

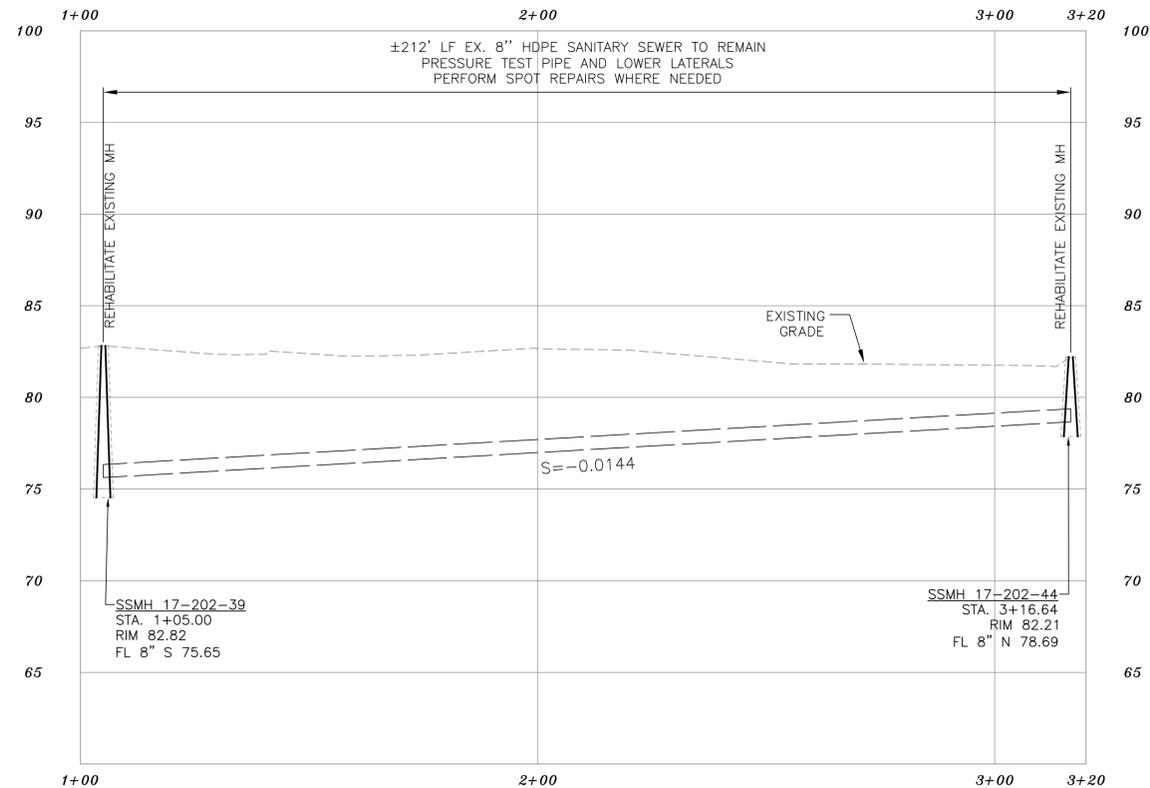
SANITARY SEWER REHABILITATION AND REPLACEMENT PROJECT
 PLAN AND PROFILE
 ADELINE STREET, WOOLSEY STREET, WHITNEY STREET

PLAN	8301
FILE	502-726
C1.04	
SHEET	8 OF 32

REVISION	MARK	DATE	DESCRIPTION	APPROVAL



PROFILE - 15" SS



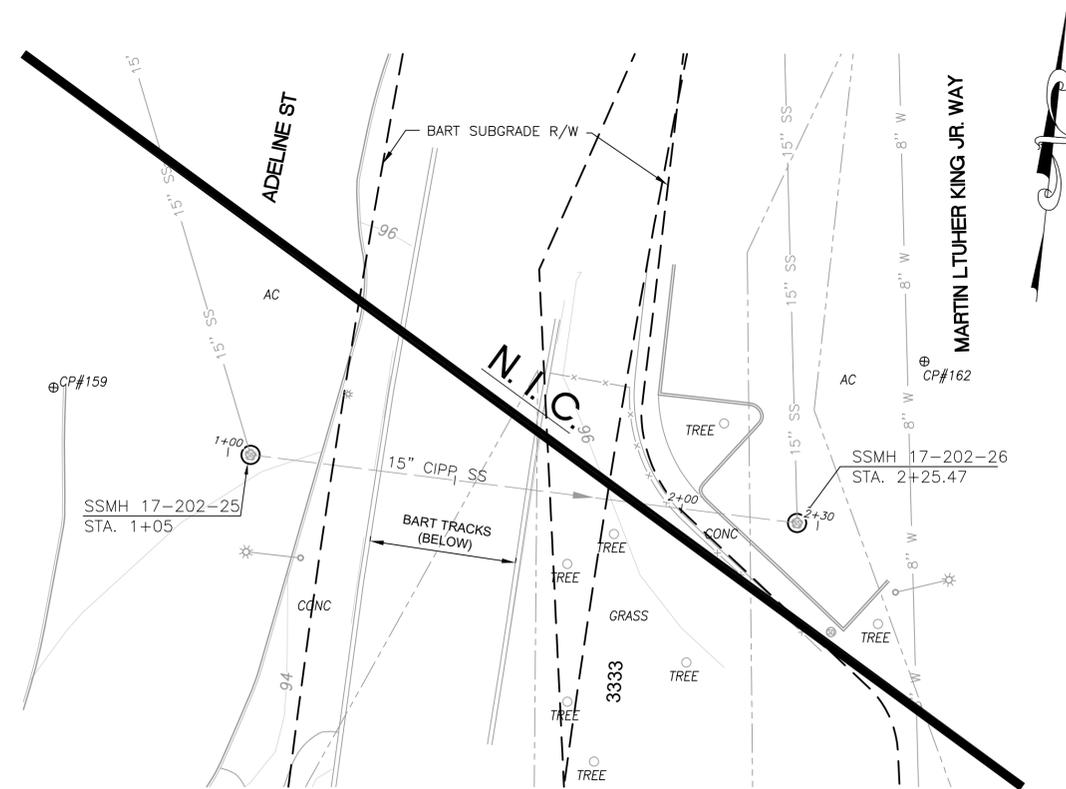
PROFILE - 8" SS

NOTES:

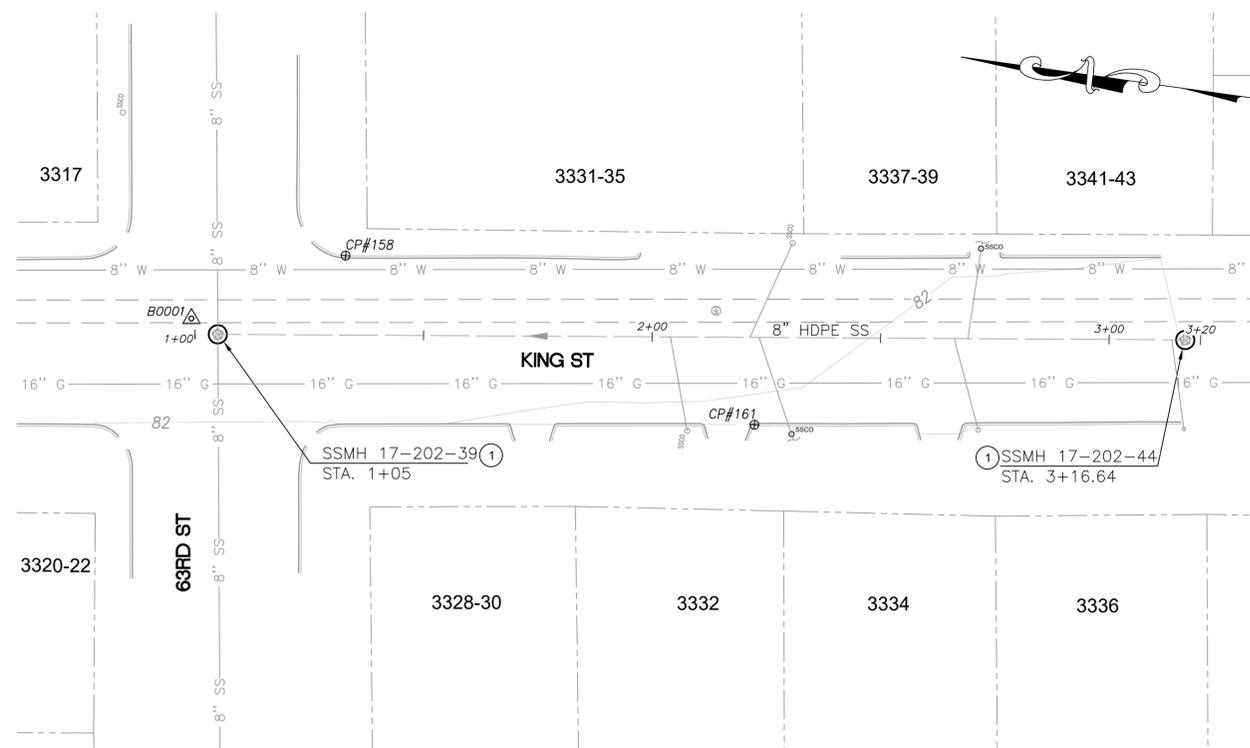
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KEYNOTES

- ① REHABILITATE EXISTING SSMH



PLAN - 15" SS



PLAN - 8" SS



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PROJECT MANAGER: _____ DATE _____
 SURVEY CHIEF OF PARTY _____
 WATERSHED REVIEW: _____ DATE _____
 FOR REDUCED PLANS - ORIGINAL SCALE IS IN INCHES

DEPICTION OF MONUMENTS: _____ DATE _____
 SUBMITTED: _____ DATE _____
 SUPERVISING ENGINEER _____
 APPROVED: _____ DATE _____
 CITY ENGINEER _____

DESIGN: _____
 DRAWN: _____
 CHECK: _____
 AS BUILT: _____

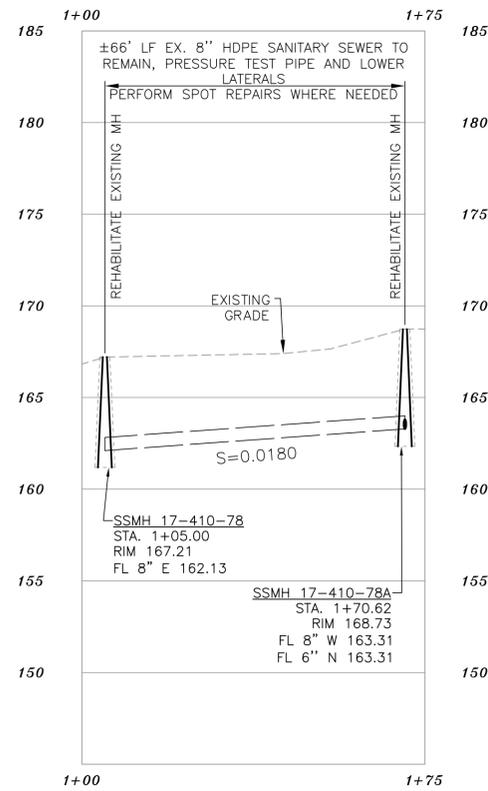
HORIZ. 1" = 20'
 VERT. 1" = 5'
 BOOK _____
 DATE 12/12/25

CITY OF BERKELEY
 DEPARTMENT OF PUBLIC WORKS

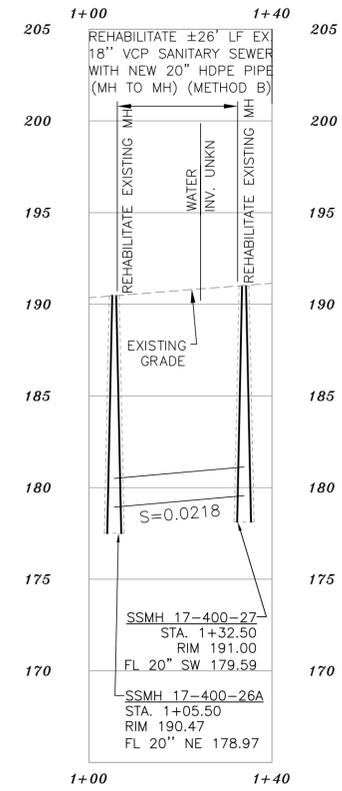
SANITARY SEWER REHABILITATION AND REPLACEMENT PROJECT
 PLAN AND PROFILE
 ADELINE STREET, KING STREET, 63RD STREET

PLAN 8301
 FILE 502-726
 C1.05
 SHEET 9 OF 32

REVISION	MARK	DATE	DESCRIPTION	APPROVAL



PROFILE - 8" SS



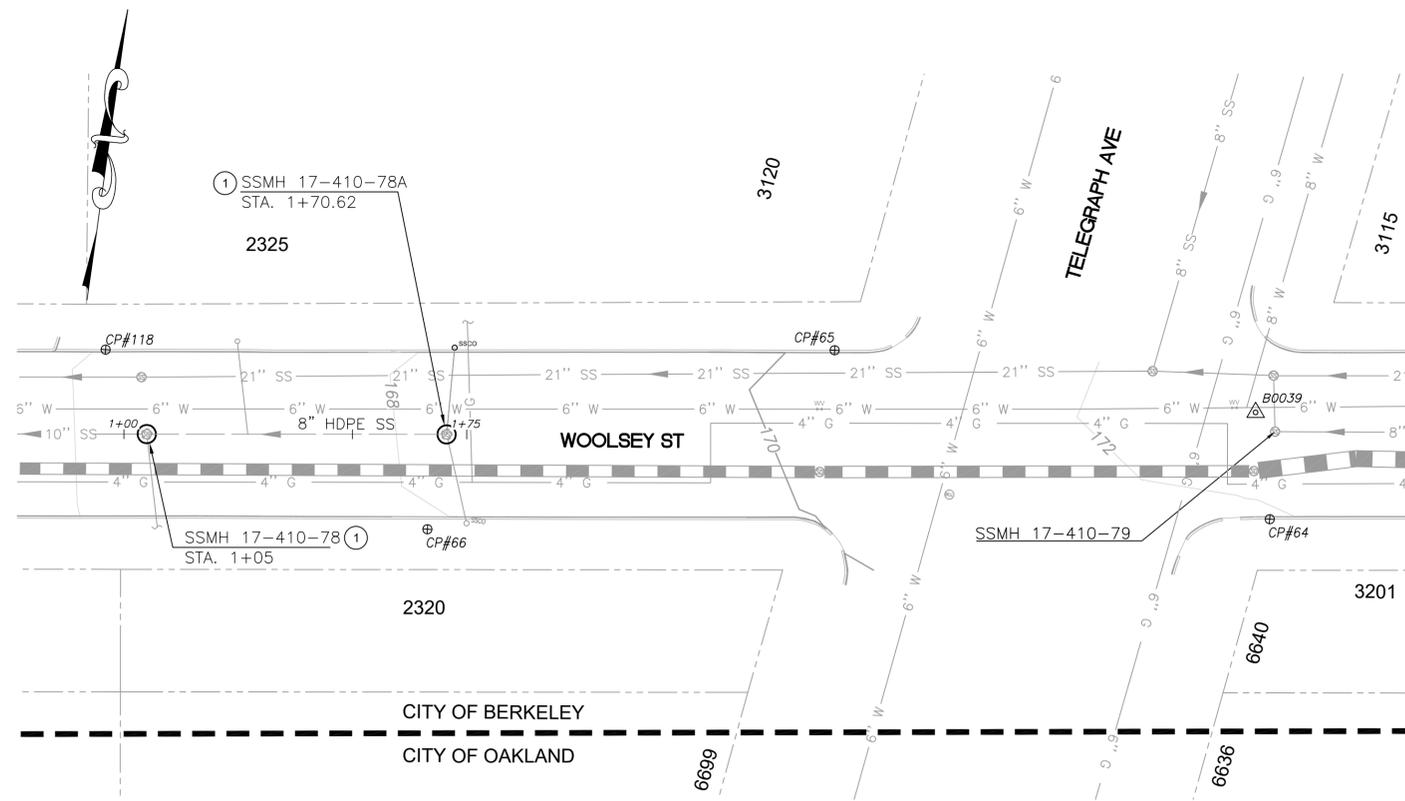
PROFILE - 20" SS

NOTES:

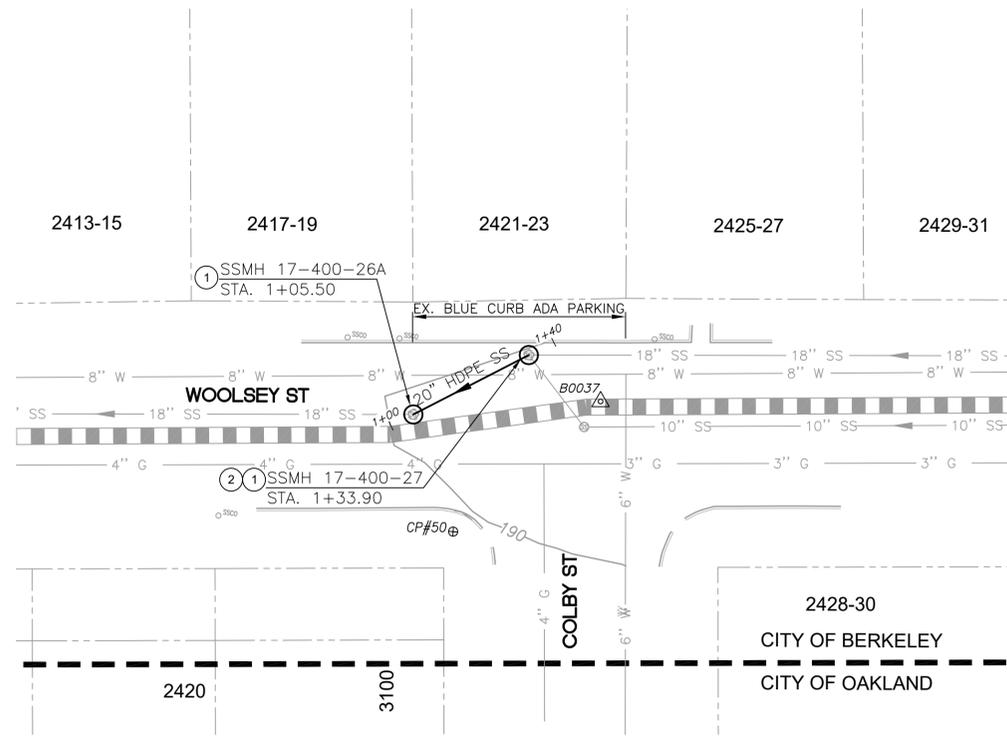
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KEYNOTES

- REHABILITATE EXISTING SSMH
- REPLACE MH LID WITH NEW "SANITARY SEWER" MH LID



PLAN - 8" SS



PLAN - 20" SS



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 EXP. _____
 APPROVED: _____
 CITY ENGINEER _____

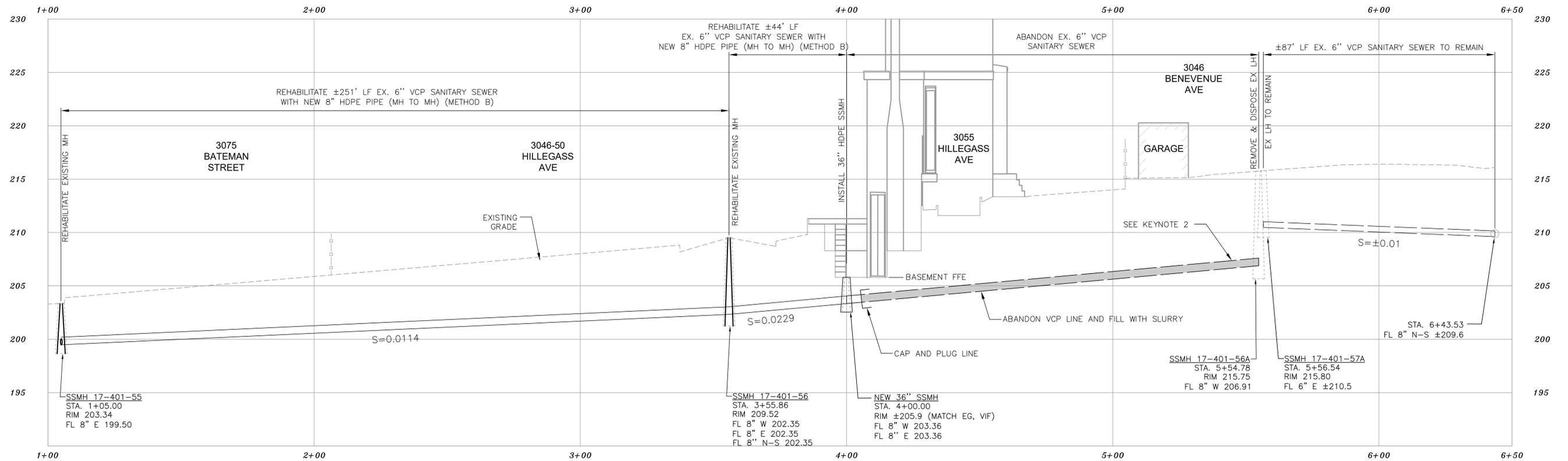
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 CHECK: JD
 AS BUILT: _____
 HORIZ. 1" = 20'
 VERT. 1" = 5'
 BOOK: _____
 DATE: 12/12/25

CITY OF BERKELEY
 DEPARTMENT OF PUBLIC WORKS

SANITARY SEWER REHABILITATION AND REPLACEMENT PROJECT
 PLAN AND PROFILE
 WOOLSEY STREET, TELEGRAPH AVENUE, COLBY STREET

PLAN 8301
 FILE 502-726
 C1.06
 SHEET 10 OF 32

REVISION	MARK	DATE	DESCRIPTION	APPROVAL



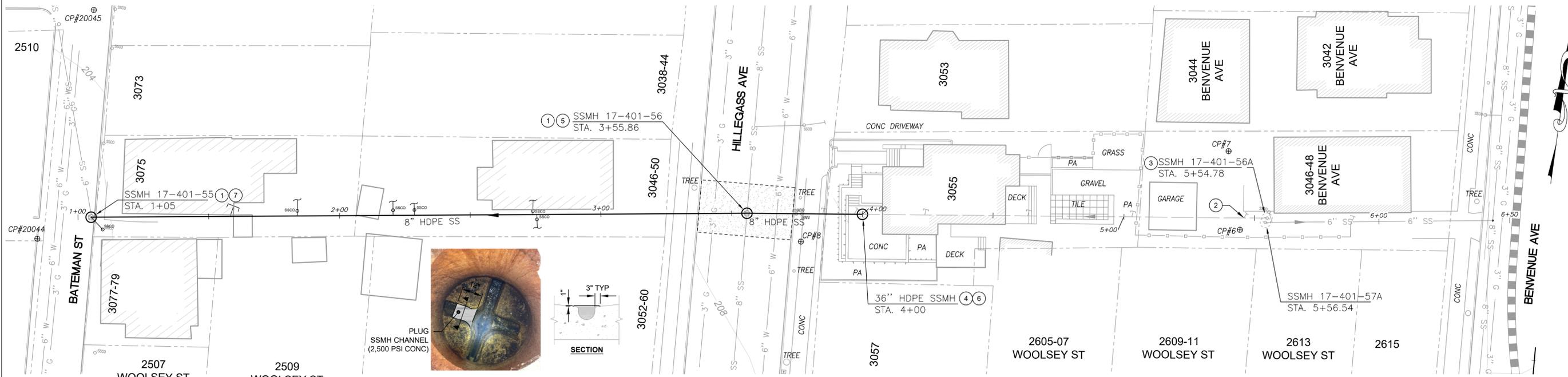
PROFILE - 8" SS

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- CONTRACTOR SHALL CONTACT BERKELEY FIRE DEPARTMENT 5 BUSINESS DAYS IN ADVANCE OF WORK AND MAINTAIN A 10' MINIMUM CLEAR TRAFFIC TRAVEL LANE.
- FIRST ORDER OF WORK THE CONTRACTOR SHALL CCTV AND VERIFY WHETHER ALL LATERALS ARE LIVE OR NOT PRIOR TO ABANDONING PIPE. CONTACT THE ENGINEER IMMEDIATELY AND PROVIDE CCTV DATA. ALLOW FOR A TWO (2) WEEK ENGINEER'S REVIEW AND RESPONSE FOR DIRECTION.

KEYNOTES

- REHABILITATE EXISTING SSMH
- CONTRACTOR SHALL CCTV LATERAL, IF LATERAL IS CONFIRMED ACTIVE AND LIVE CONNECT LATERAL TO SSMH 17-401-57A. IF LATERAL IS CONFIRMED DEAD THEN PLUG AND ABANDON LATERAL (SEE NOTE 10)
- REMOVE AND DISPOSE LAMP HOLE
- CONTRACTOR SHALL COORDINATE WATER SHUTOFF WITH OWNER OF 3055 HILLEGASS PRIOR TO PERFORMING WORK
- PLUG WESTERN CHANNEL IN SSMH PER DETAIL 1, THIS SHEET
- INSTALL 36" DIAMETER HDPE MAINTENANCE HOLE PER DETAIL 2, SHEET 26
- REMOVE AND DISPOSE BRICK RISER, ADJUST MAINTENANCE HOLE FRAME AND COVER PER COB STD PLAN 8193, SEE SHEET 26



PLAN - 8" SS



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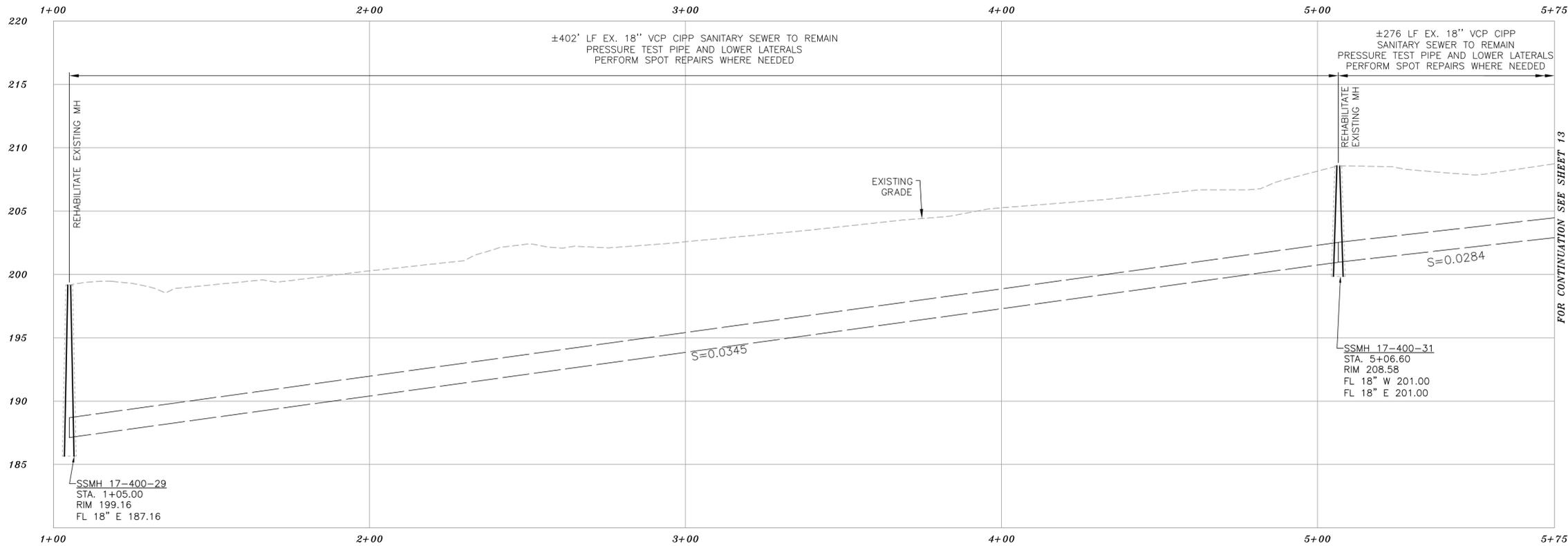
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CITY OF BERKELEY
 DEPARTMENT OF PUBLIC WORKS

SANITARY SEWER REHABILITATION AND REPLACEMENT PROJECT
 PLAN AND PROFILE
 BATEMAN STREET, HILLEGASS STREET

PLAN 8301
 FILE 502-726
 C1.07
 SHEET 11 OF 32

REVISION	MARK	DATE	DESCRIPTION	APPROVAL



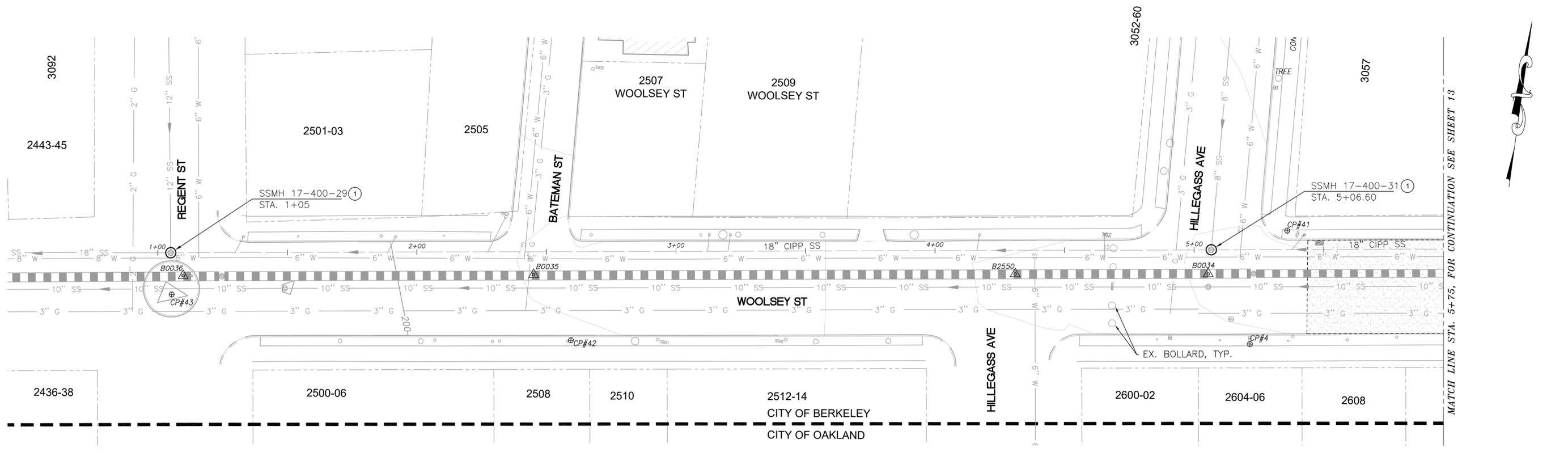
PROFILE - 18" SS

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KEYNOTES

- REHABILITATE EXISTING SSMH



PLAN - 18" SS



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CITY OF BERKELEY
 DEPARTMENT OF PUBLIC WORKS

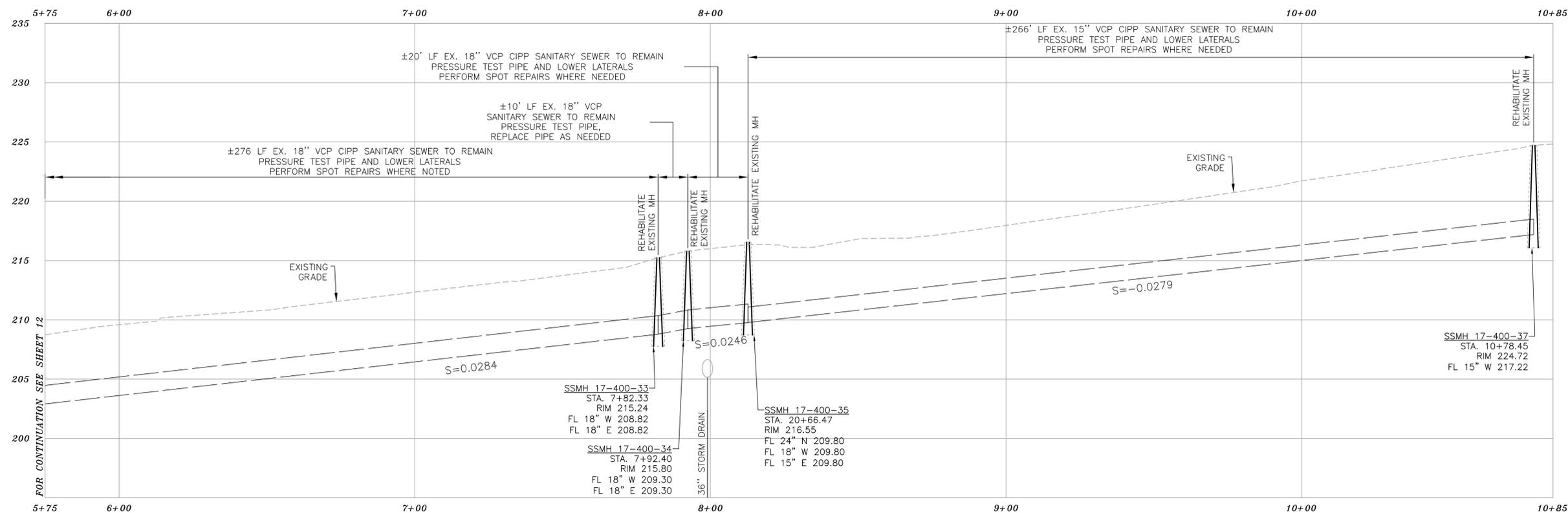
SANITARY SEWER REHABILITATION AND REPLACEMENT PROJECT
 PLAN AND PROFILE
 WOOLSEY STREET, REGENT STREET, HILLEGASS AVENUE

PLAN	8301
FILE	502-726
	C1.08
SHEET	12 OF 32

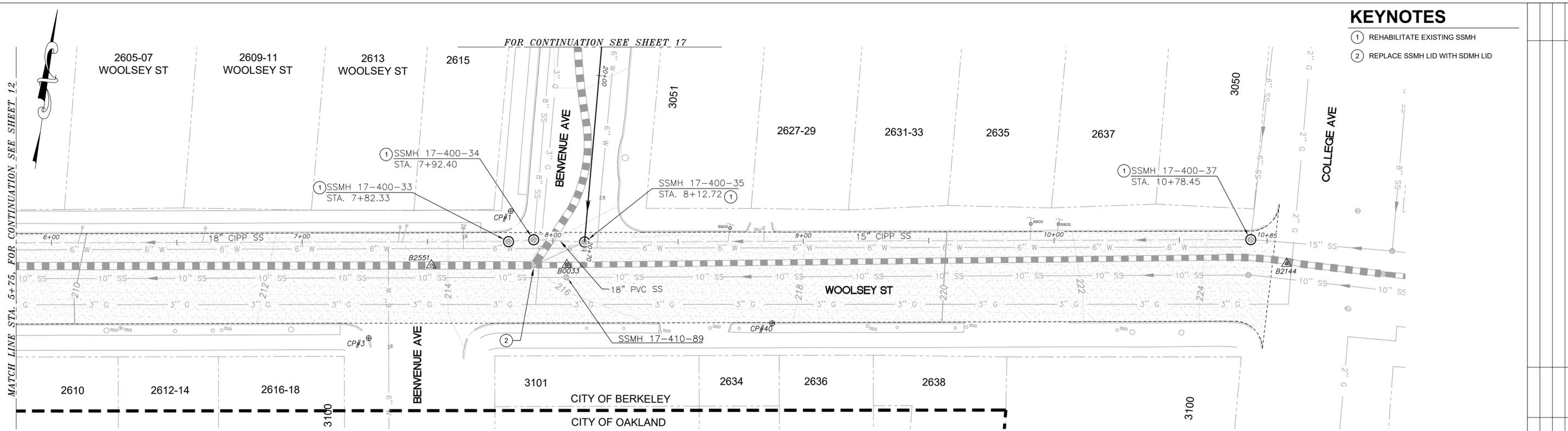
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PROFILE - 15"/18" SS



PLAN - 15"/18" SS

KEYNOTES

- REHABILITATE EXISTING SSMH
- REPLACE SSMH LID WITH SDMH LID

MATCH LINE STA. 5+75. FOR CONTINUATION SEE SHEET 12.

REVISION	MARK	DATE	DESCRIPTION	APPROVAL



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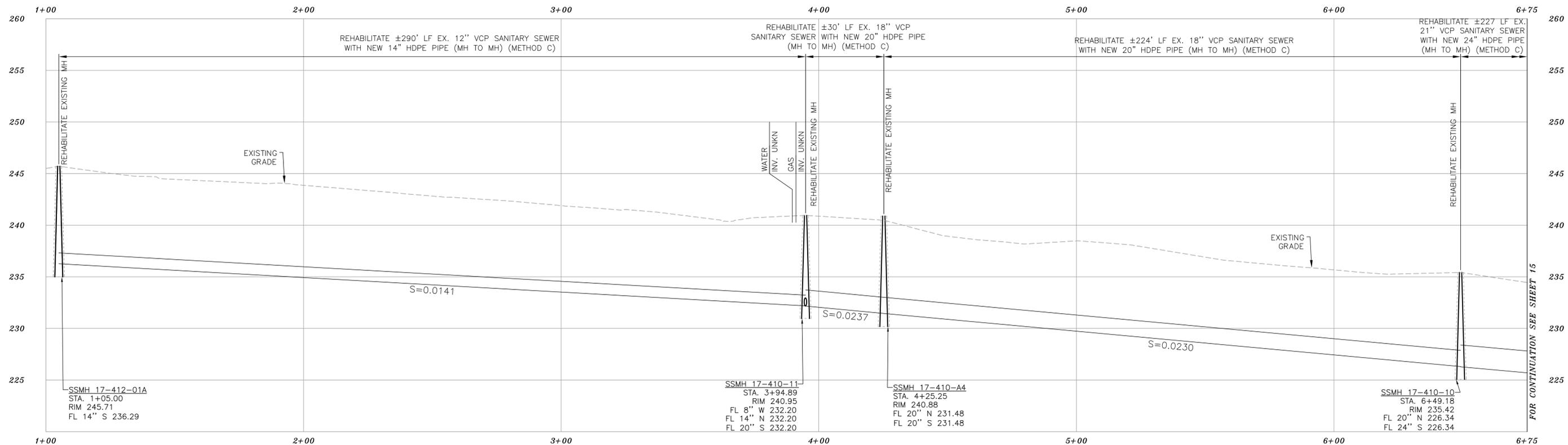
DESIGN: _____ JD _____
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CITY OF BERKELEY
 DEPARTMENT OF PUBLIC WORKS

SANITARY SEWER REHABILITATION AND REPLACEMENT PROJECT
 PLAN AND PROFILE
 WOOLSEY STREET, BENVENUE AVENUE, COLLEGE AVENUE

PLAN 8301
 FILE 502-726
 C1.09
 SHEET 13 OF 32



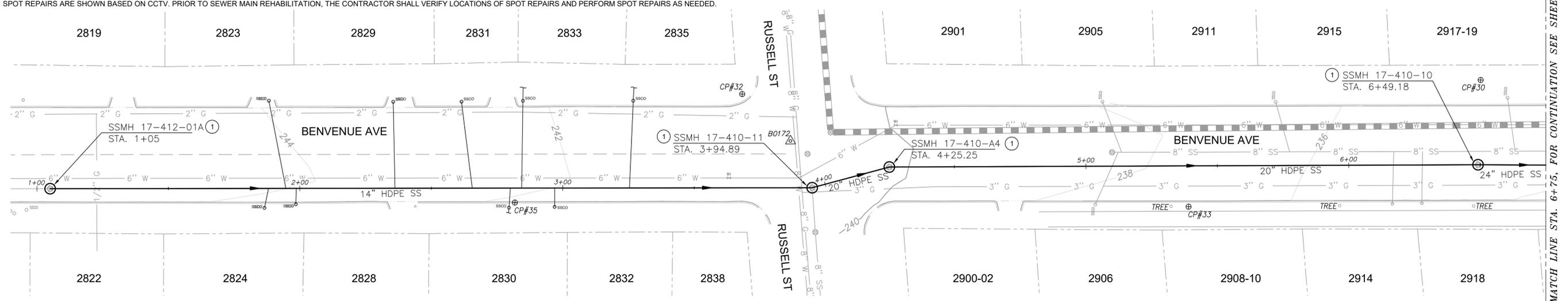
PROFILE - 14"/20"/24" SS

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PLAN - 14"/20"/24" SS



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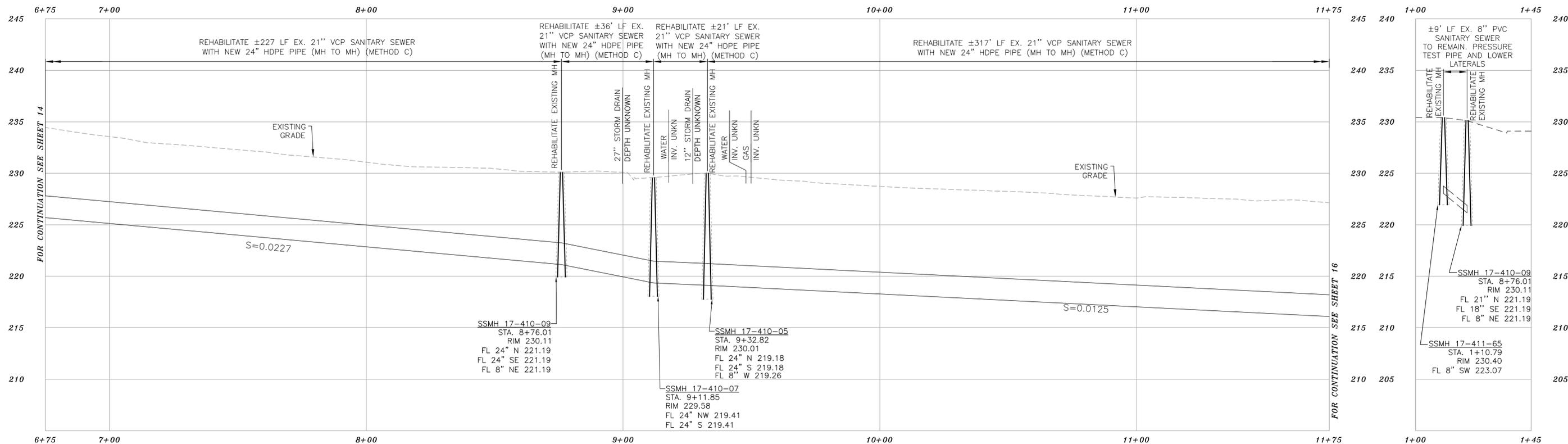
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CITY OF BERKELEY
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SANITARY SEWER REHABILITATION
AND REPLACEMENT PROJECT
PLAN AND PROFILE
BENVENUE AVENUE, RUSSELL STREET

PLAN 8301
FILE 502-726
C1.10
SHEET 14 OF 32

APPROVAL	DESCRIPTION	DATE	MARK	REVISION



PROFILE - 24" SS

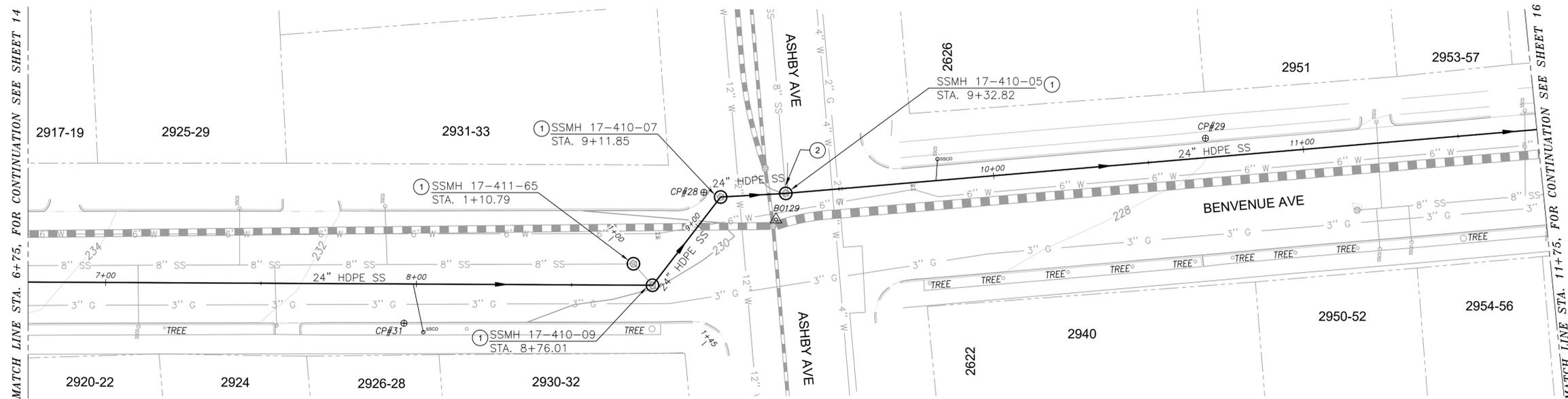
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KEYNOTES

- REHABILITATE EXISTING SSMH
- NEW DROP TEE AT MH CONNECTION PER DETAIL 4, SHEET 28



PLAN - 24" SS



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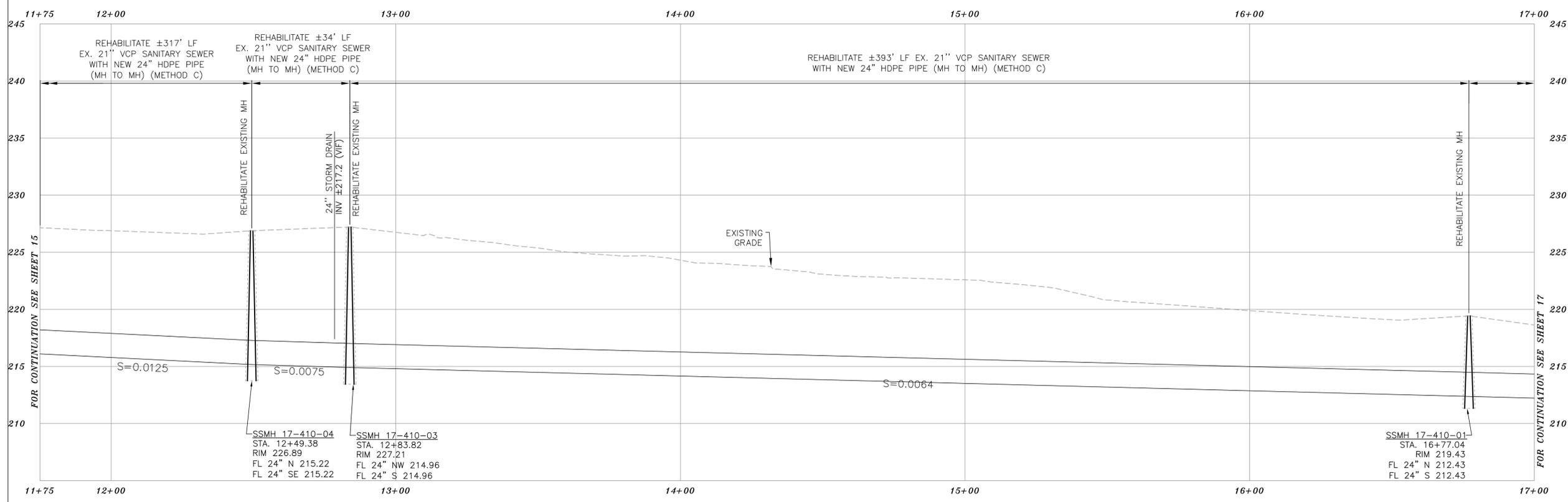
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 DRAWN: DC
 CHECK: JD
 AS BUILT: _____
 HORIZ. 1" = 20'
 VERT. 1" = 5'
 BOOK: _____
 DATE 12/12/25

CITY OF BERKELEY
 DEPARTMENT OF PUBLIC WORKS

SANITARY SEWER REHABILITATION
 AND REPLACEMENT PROJECT
 PLAN AND PROFILE
 BENVENUE AVENUE, ASHBY AVENUE

PLAN 8301
 FILE 502-726
 C1.11
 SHEET 15 OF 32

REVISION	MARK	DATE	DESCRIPTION	APPROVAL

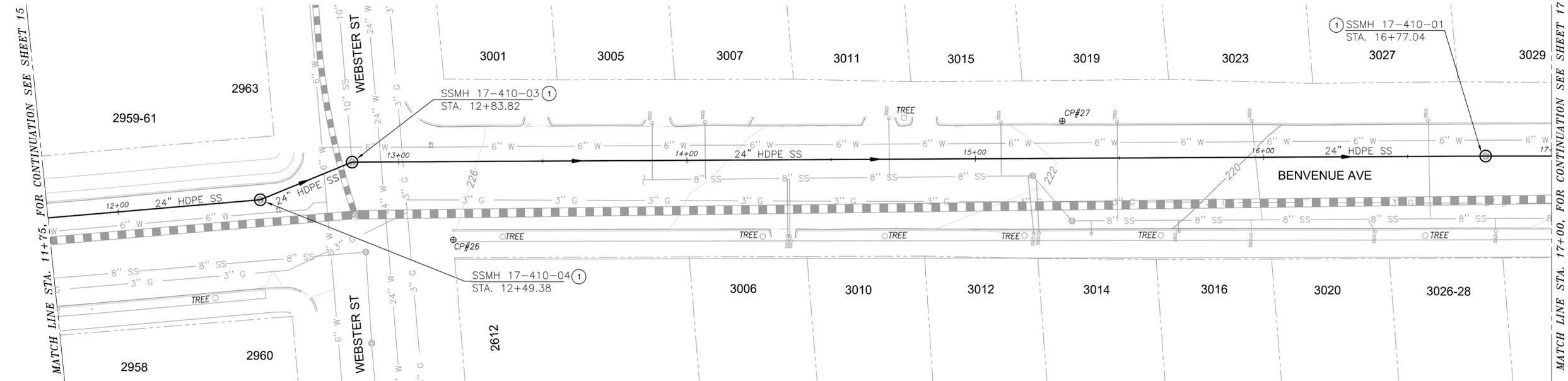


- NOTES:**
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 - SPOT REPAIRS ARE SHOWN BASED ON CCTV. PRIOR TO SEWER MAIN REHABILITATION, THE CONTRACTOR SHALL VERIFY LOCATIONS OF SPOT REPAIRS AND PERFORM SPOT REPAIRS AS NEEDED.

PROFILE - 24" SS

KEYNOTES

- ① REHABILITATE EXISTING SSMH



PLAN - 24" SS



CSW ST2
 2001 Addison Street
 Berkeley, CA 94704
 415.883.9850
 CSWST2.com

PROJECT MANAGER: _____ DATE _____
 SURVEY CHIEF OF PARTY _____ DATE _____
 WATERSHED REVIEW: _____ DATE _____
 FOR REDUCED PLANS - ORIGINAL SCALE IS IN INCHES

DEPICTION OF MONUMENTS: _____ DATE _____
 SURVEY CHIEF OF PARTY _____ DATE _____
 WATERSHED REVIEW: _____ DATE _____

SUBMITTED: _____ DATE _____
 SUPERVISING ENGINEER _____ EXP. _____
 APPROVED: _____ DATE _____
 CITY ENGINEER _____ EXP. _____

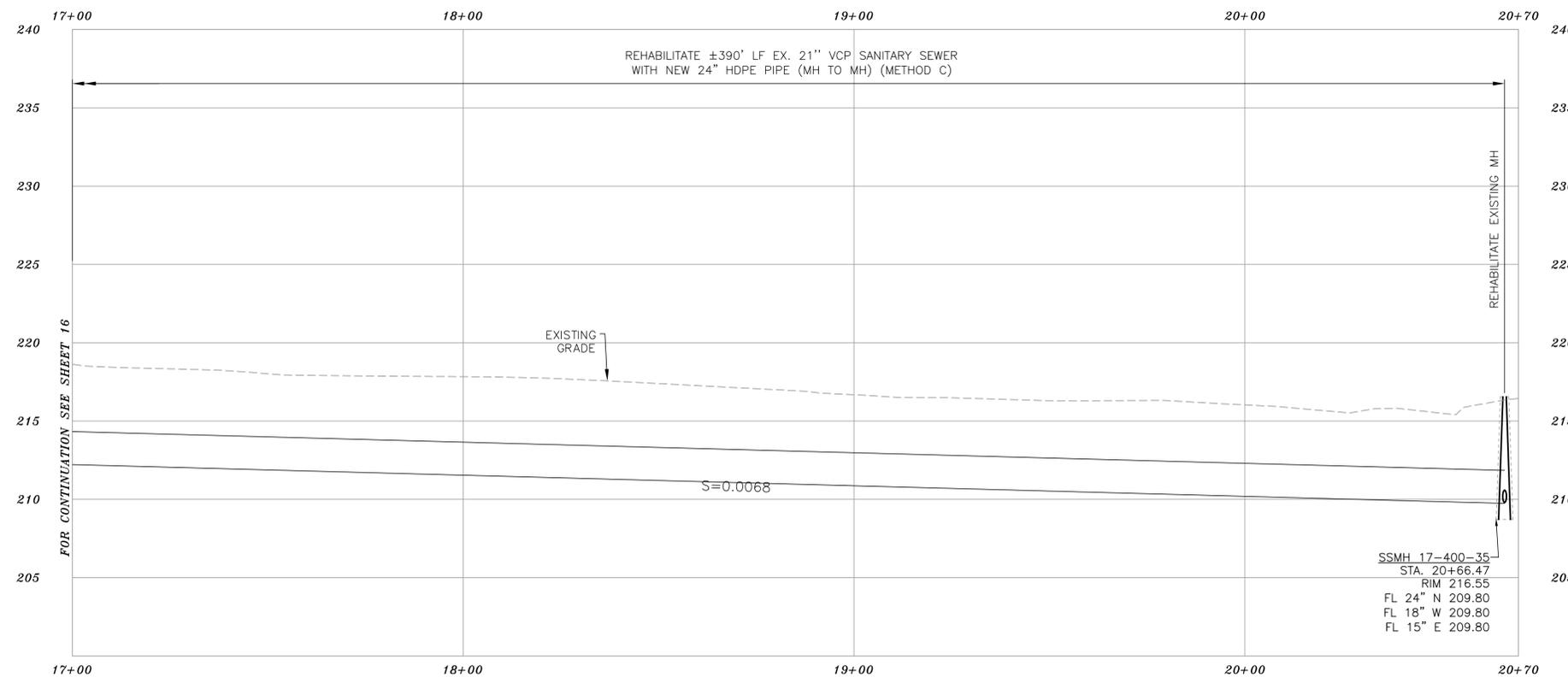
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CITY OF BERKELEY
 DEPARTMENT OF PUBLIC WORKS

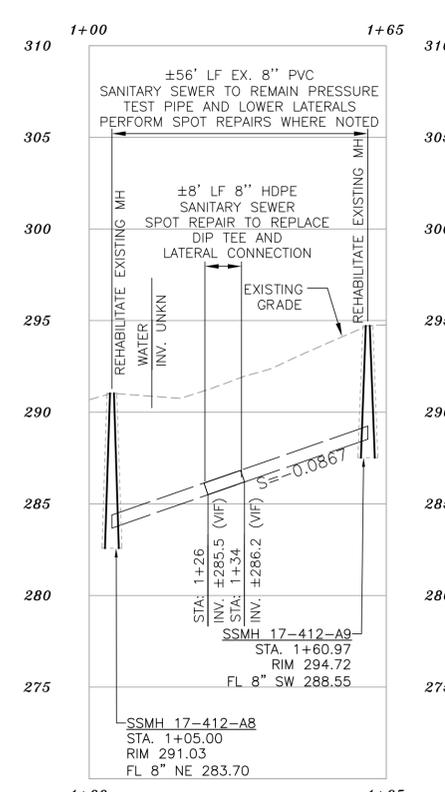
SANITARY SEWER REHABILITATION AND REPLACEMENT PROJECT
 PLAN AND PROFILE
 BENVENUE AVENUE, WEBSTER STREET

PLAN 8301
 FILE 502-726
 C1.12
 SHEET 16 OF 32

REVISION	MARK	DATE	DESCRIPTION	APPROVAL



PROFILE - 24" SS



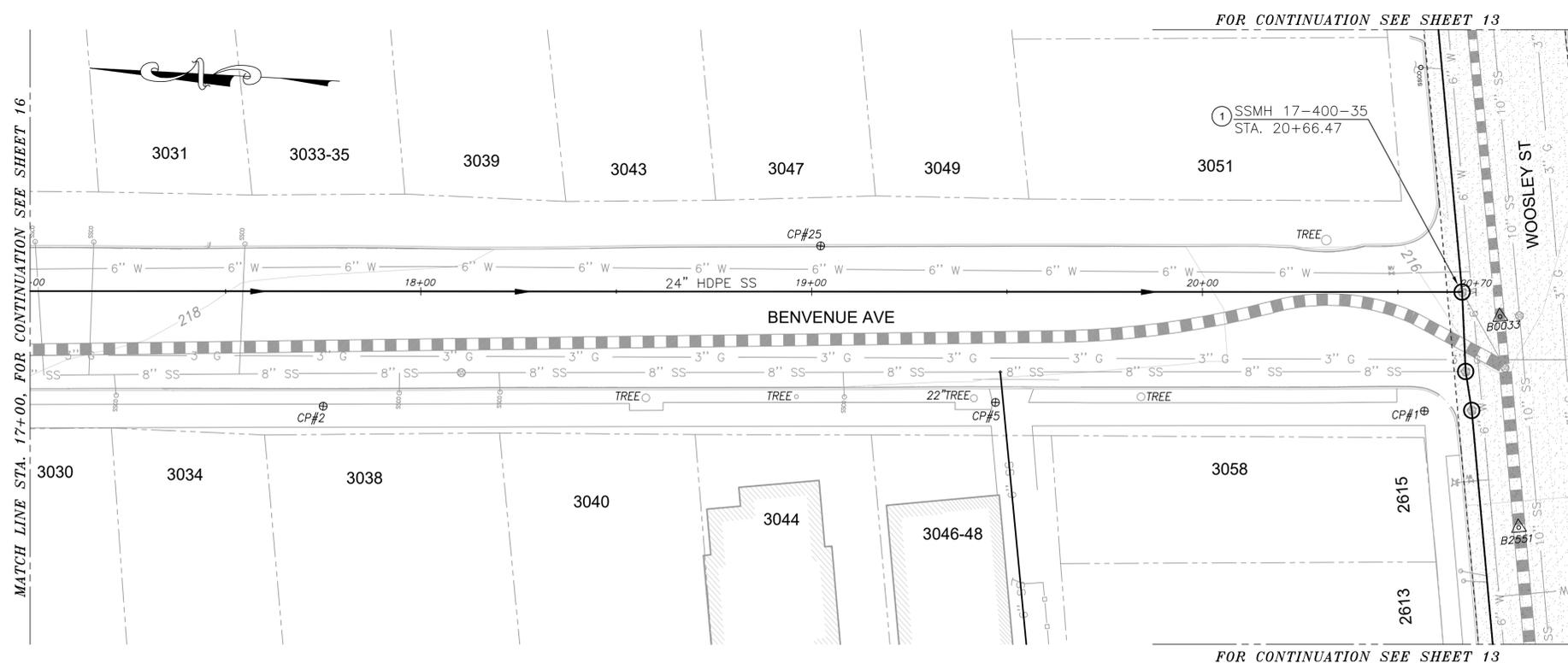
PROFILE - 8" SS

NOTES:

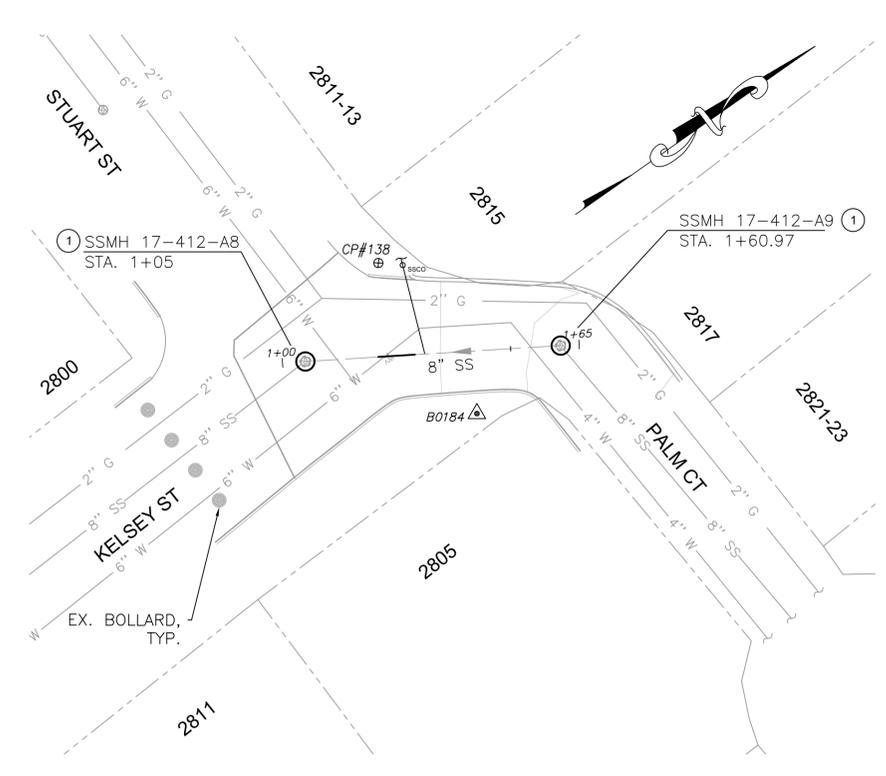
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KEYNOTES

- ① REHABILITATE EXISTING SSMH



PLAN - 24" SS



PLAN - 8" SS

MATCH LINE STA. 17+00, FOR CONTINUATION SEE SHEET 16

FOR CONTINUATION SEE SHEET 13

FOR CONTINUATION SEE SHEET 13



CSW ST2
 2001 Addison Street
 Berkeley, CA 94704
 415.883.9850
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PROJECT MANAGER: _____ DATE _____
 SURVEY CHIEF OF PARTY _____
 WATERSHED REVIEW: _____ DATE _____
 FOR REDUCED PLANS - ORIGINAL SCALE IS IN INCHES

DEPICTION OF MONUMENTS: _____ DATE _____
 SURVEY CHIEF OF PARTY _____
 WATERSHED REVIEW: _____ DATE _____

SUBMITTED: _____ DATE _____
 SUPERVISING ENGINEER _____
 APPROVED: _____ DATE _____
 CITY ENGINEER _____

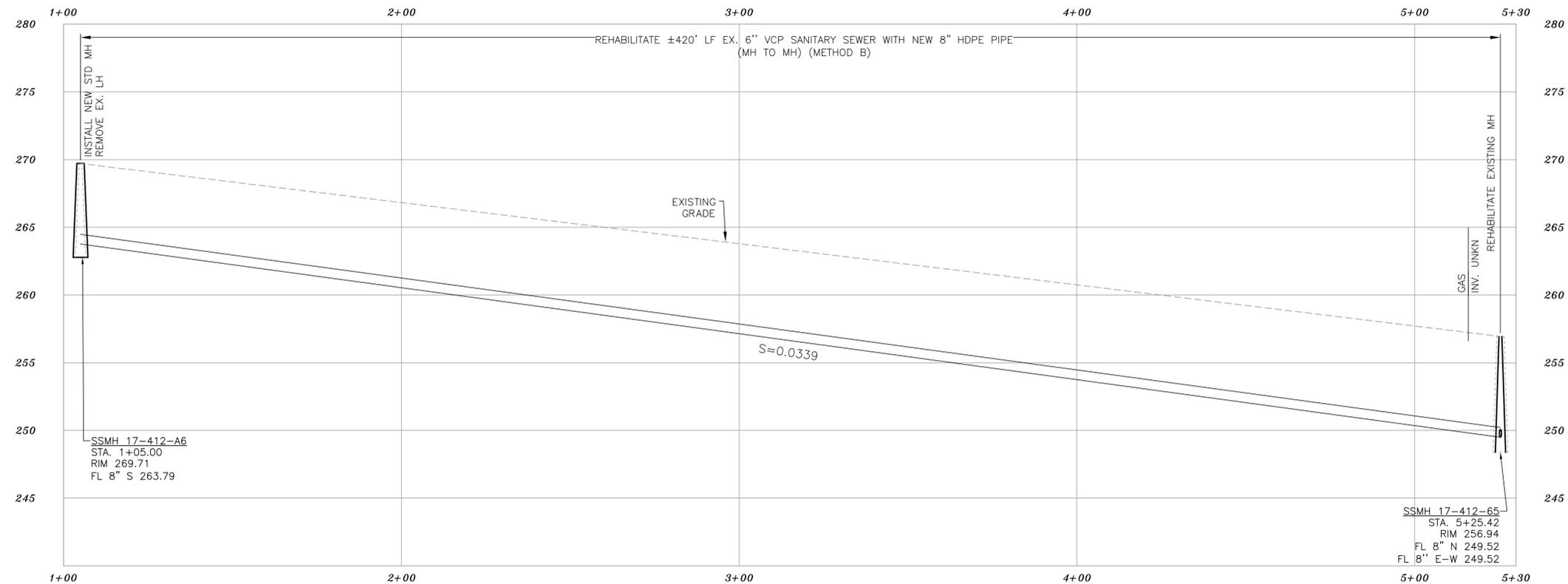
DESIGN: JD
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 CHECK: JD
 AS BUILT: _____
 HORIZ. 1" = 20'
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 BOOK: _____
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CITY OF BERKELEY
 DEPARTMENT OF PUBLIC WORKS

SANITARY SEWER REHABILITATION AND REPLACEMENT PROJECT
 PLAN AND PROFILE
 BENVENUE AVENUE, STUART STREET, KELSEY STREET

PLAN 8301
 FILE 502-726
 C1.13
 SHEET 17 OF 32

REVISION	MARK	DATE	DESCRIPTION	APPROVAL



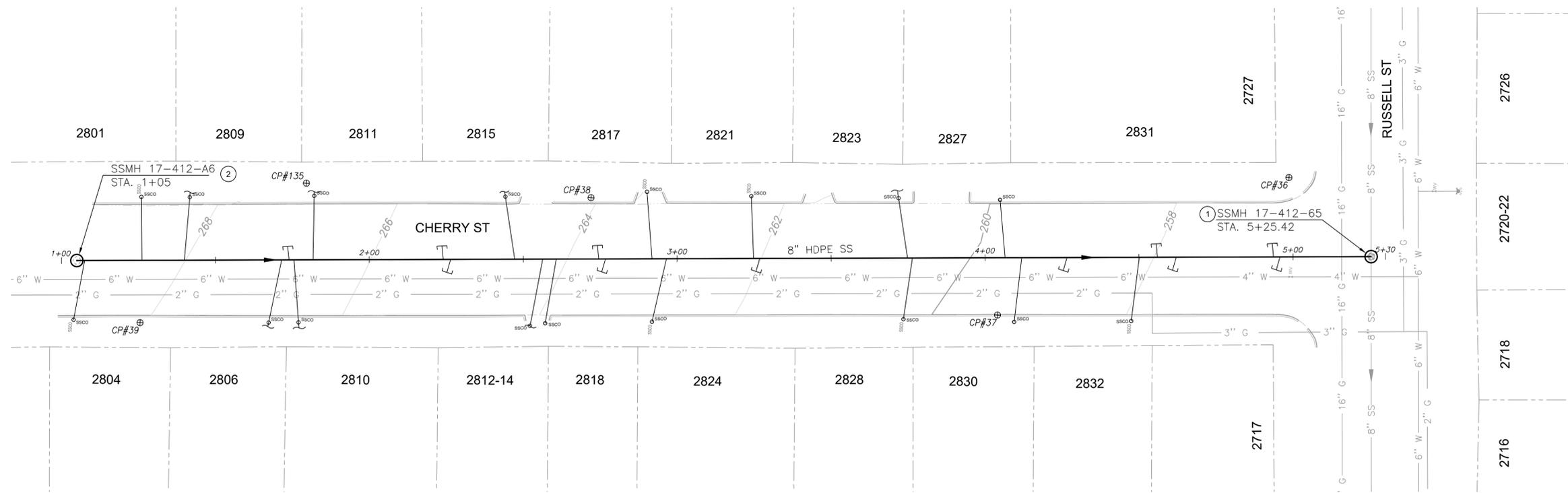
PROFILE - 8" SS

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KEYNOTES

- REHABILITATE EXISTING SSMH
- REMOVE AND DISPOSE EX. SS STRUCTURE (JUNCTION BOX, LAMPPOLE, CLEANOUT, ETC). INSTALL STANDARD SSMH PER COB STANDARD PLAN 7895, SHEET 26



PLAN - 8" SS



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 SURVEY CHIEF OF PARTY _____
 WATERSHED REVIEW: _____ DATE _____
 FOR REDUCED PLANS - ORIGINAL SCALE IS IN INCHES

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 SURVEY CHIEF OF PARTY _____
 WATERSHED REVIEW: _____ DATE _____

SUBMITTED: _____ DATE _____
 SUPERVISING ENGINEER _____
 APPROVED: _____
 CITY ENGINEER _____

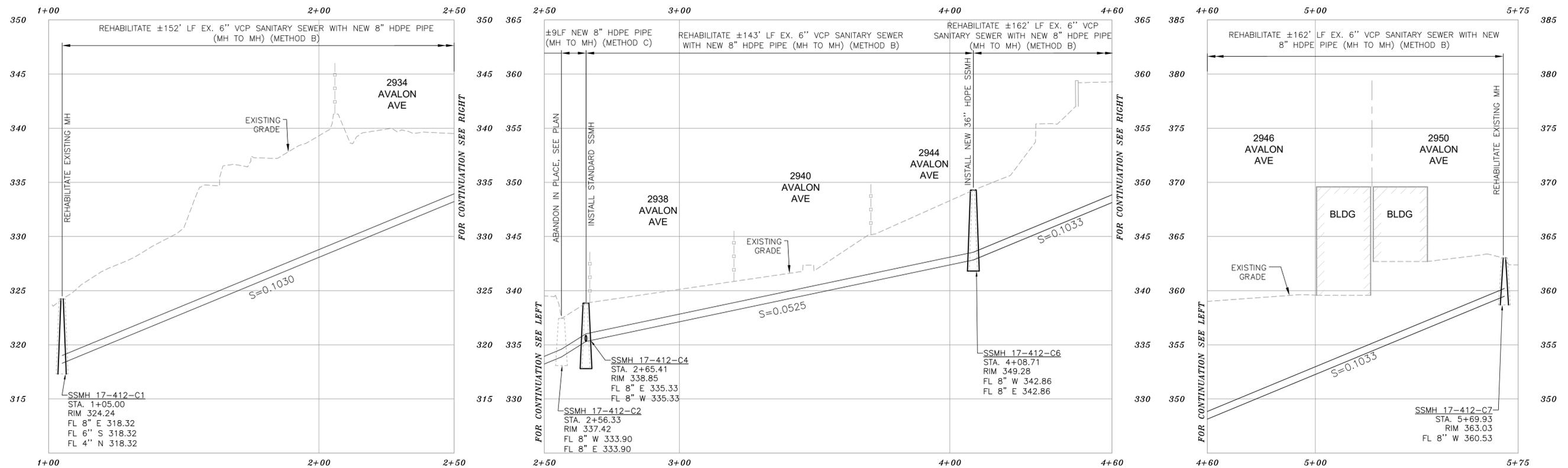
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 AS BUILT: _____

HORIZ. 1" = 20'
 VERT. 1" = 5'
 BOOK _____
 DATE 12/12/25

CITY OF BERKELEY
 DEPARTMENT OF PUBLIC WORKS
 SANITARY SEWER REHABILITATION
 AND REPLACEMENT PROJECT
 PLAN AND PROFILE
 CHERRY STREET, RUSSELL STREET

PLAN 8301
 FILE 502-726
 C1.14
 SHEET 18 OF 32

REVISION	MARK	DATE	DESCRIPTION	APPROVAL



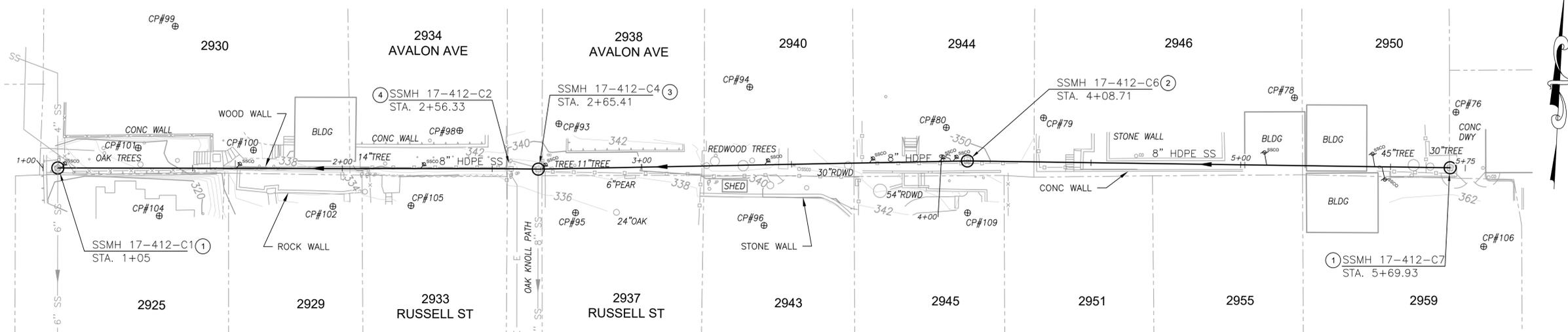
PROFILE - 8" SS

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KEYNOTES

- REHABILITATE EXISTING SSMH
INSTALL 36" DIAMETER HDPE MAINTENANCE HOLE PER DETAIL 2, SHEET 26.
REMOVE AND DISPOSE ONE-WAY CLEANOUT WHERE EXISTS (VIF). LOCATE AND RECONNECT ACTIVE LOWER LATERAL (VIF) TO SEWER MAIN, LENGTH VARIES. CONTRACTOR SHALL POTHOLE AS NECESSARY TO VERIFY IN FIELD DEPTH OF EX. SEWER LATERAL.
- REMOVE AND DISPOSE EX. SS STRUCTURE (JUNCTION BOX, LAMPHOLE, CLEANOUT, ETC.) INSTALL STANDARD MH PER COB STD PLAN 7895, SHEET 26)
- REMOVE AND DISPOSE UPPER 12". BACKFILL WITH CDF AND ABANDON IN PLACE



PLAN - 8" SS



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415.883.9850
CSWST2.com

PROJECT MANAGER: _____ DATE _____
SURVEY CHIEF OF PARTY _____
WATERSHED REVIEW: _____ DATE _____
FOR REDUCED PLANS - ORIGINAL SCALE IS IN INCHES

DEPICTION OF MONUMENTS: _____ DATE _____
SUBMITTED: _____ DATE _____
SUPERVISING ENGINEER _____
APPROVED: _____ DATE _____
CITY ENGINEER _____

DESIGN: _____ DATE _____
DRAWN: _____ EXP. _____
CHECK: _____ DATE _____
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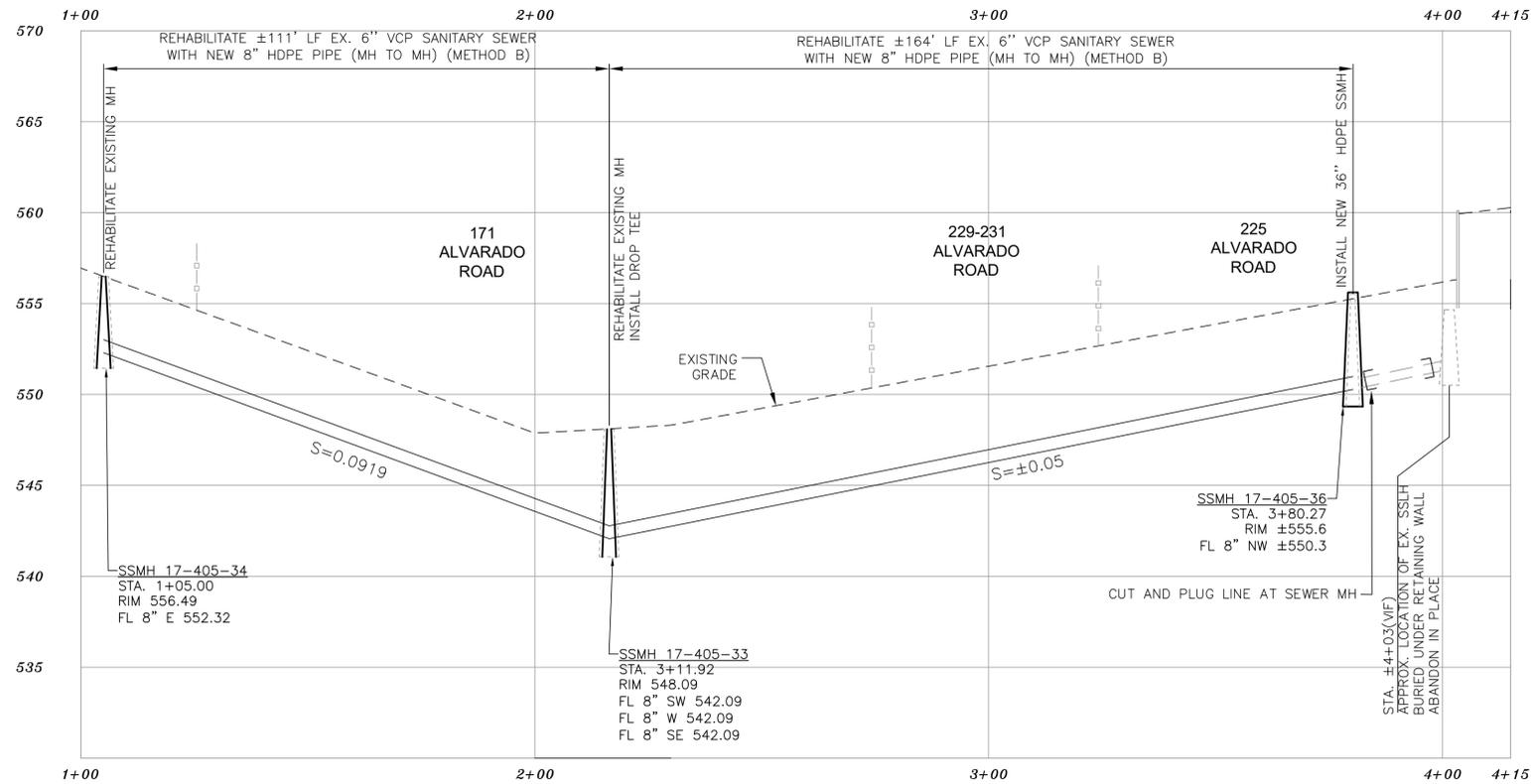
HORIZ. 1" = 20'
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DATE 12/12/25

CITY OF BERKELEY
DEPARTMENT OF PUBLIC WORKS

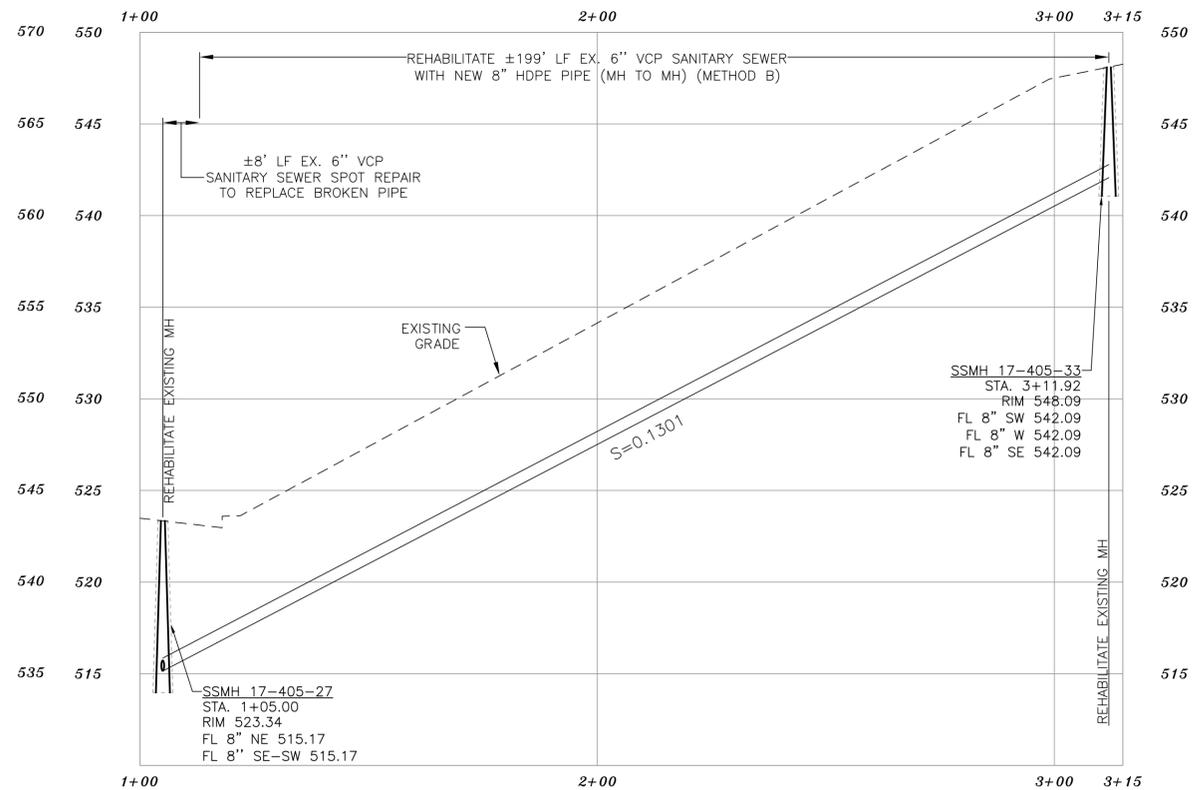
SANITARY SEWER REHABILITATION AND REPLACEMENT PROJECT
PLAN AND PROFILE
RUSSELL STREET, AVALON AVENUE

PLAN 8301
FILE 502-726
C1.15
SHEET 19 OF 32

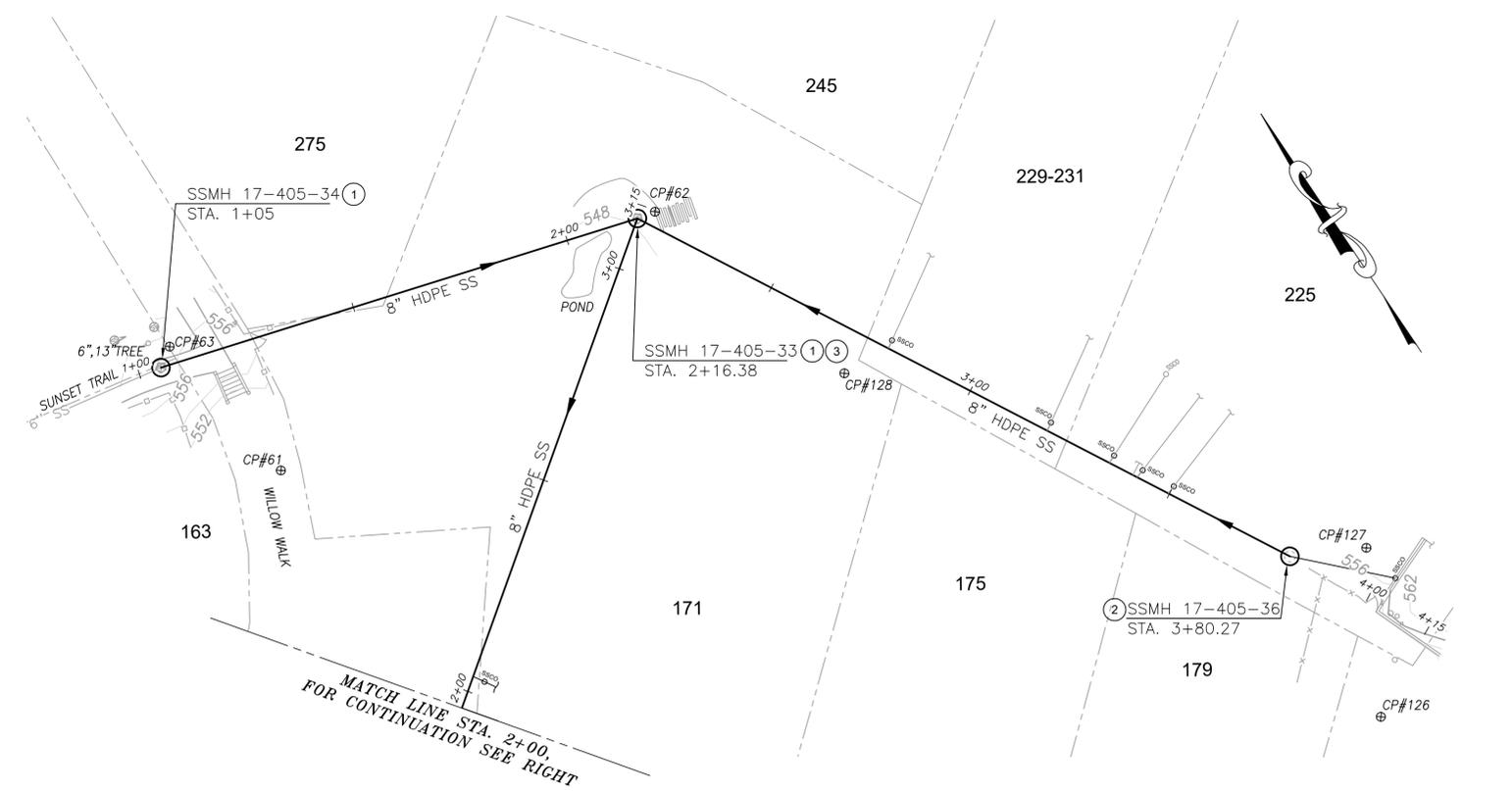
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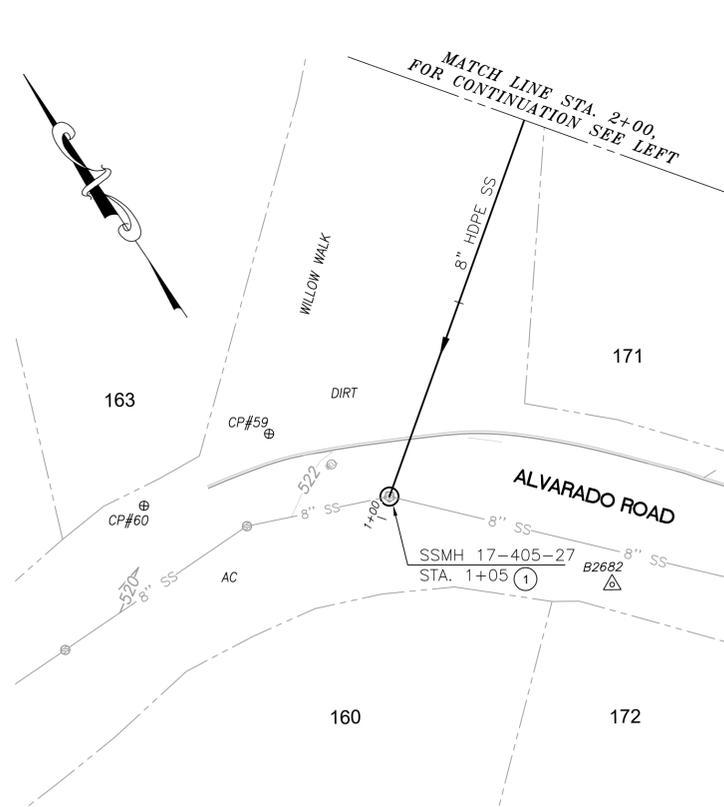
PROFILE - 8" SS



PROFILE - 8" SS



PLAN - 8" SS



PLAN - 8" SS

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KEYNOTES

- REHABILITATE EXISTING SSMH
- INSTALL 36" DIAMETER HDPE MAINTENANCE HOLE PER DETAIL 2, SHEET 26
- REMOVE AND DISPOSE EXISTING BRICK COLLAR, ADJUST MAINTENANCE HOLE FRAME AND COVER PER COB STD PLAN 8193, SEE SHEET 26



CSW ST2
 2001 Addison Street
 Berkeley, CA 94704
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PROJECT MANAGER: _____ DATE _____
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 WATERSHED REVIEW: _____ DATE _____
 FOR REDUCED PLANS - ORIGINAL SCALE IS IN INCHES

DEPICTION OF MONUMENTS: _____ DATE _____
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DESIGN: _____ JD _____
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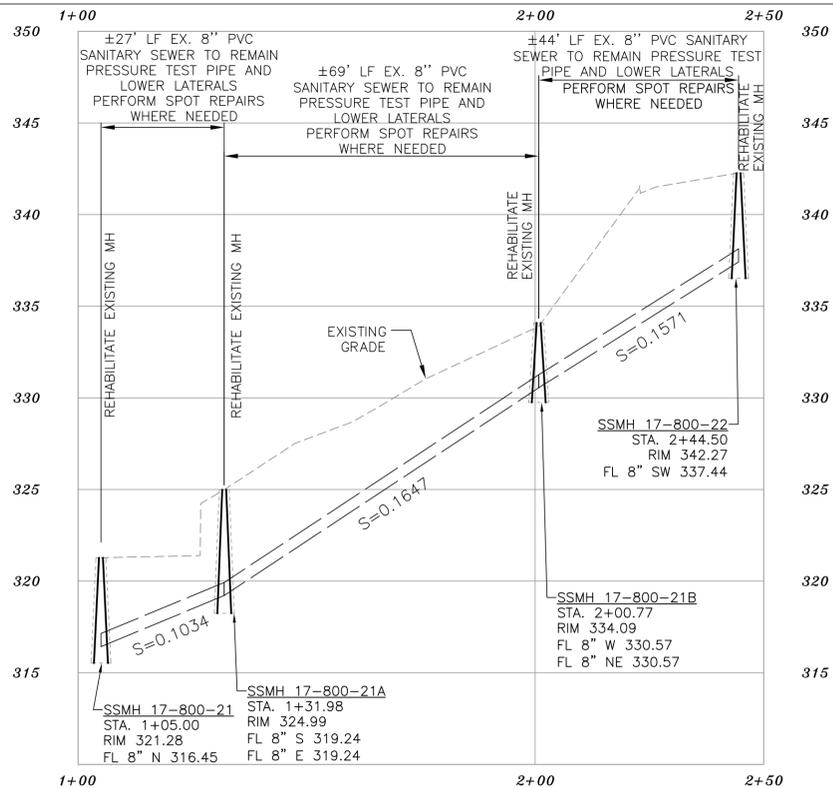
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CITY OF BERKELEY
 DEPARTMENT OF PUBLIC WORKS

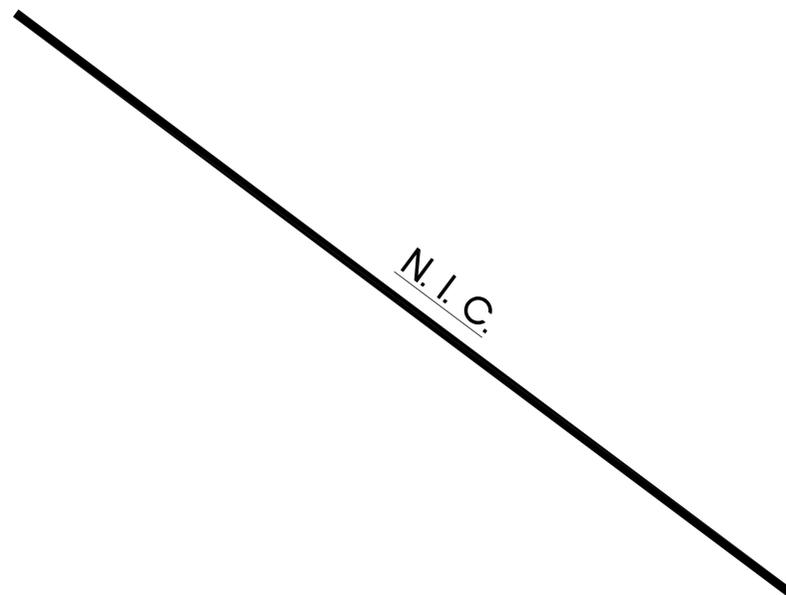
SANITARY SEWER REHABILITATION AND REPLACEMENT PROJECT
 PLAN AND PROFILE
 ALVARADO ROAD

PLAN 8301
 FILE 502-726
 C1.16
 SHEET 20 OF 32

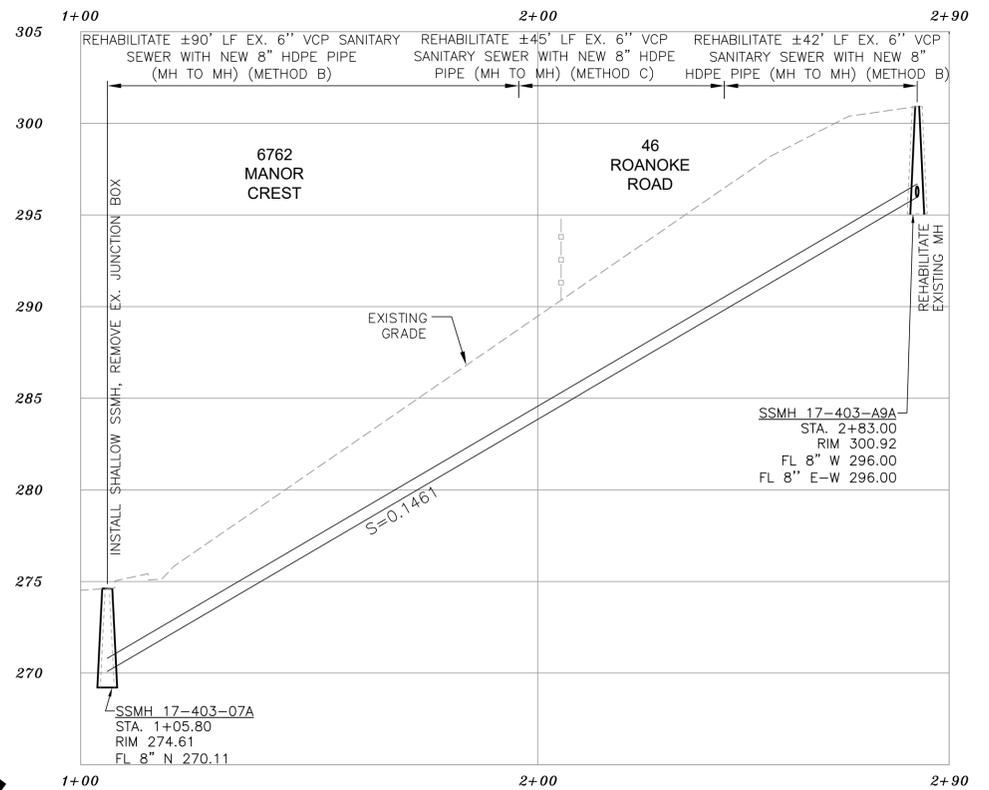
APPROVAL	DESCRIPTION	DATE	MARK	REVISION



PROFILE - 8" SS



PROFILE - 8" SS



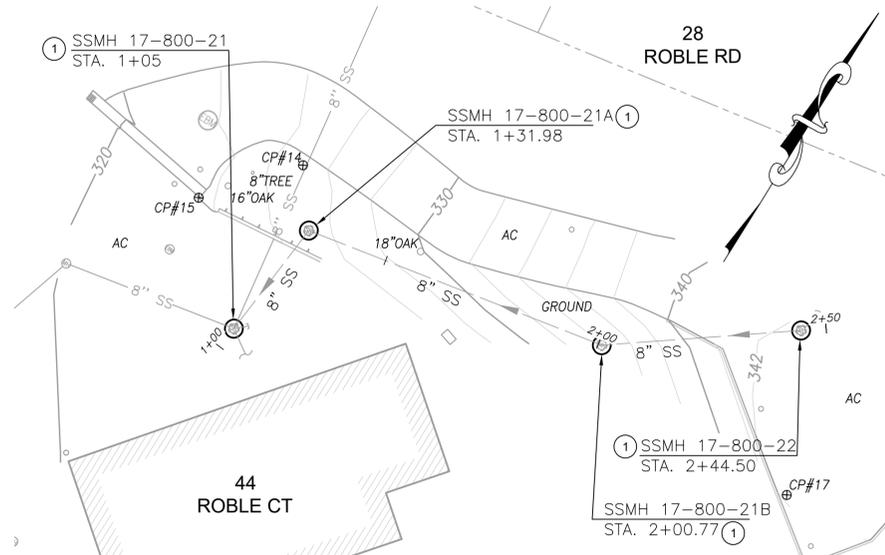
PROFILE - 8" SS

NOTES:

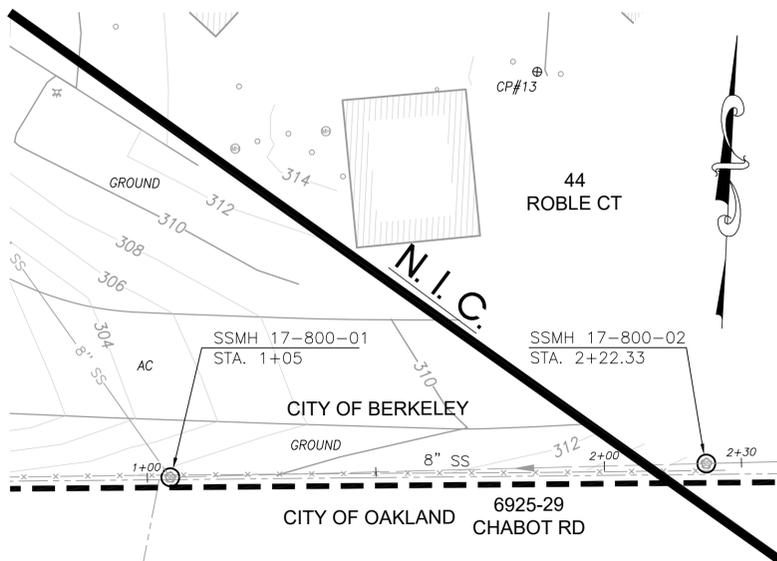
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- CONTRACTOR SHALL OBTAIN ANY PERMITS INCLUDING CITY OF OAKLAND ENCROACHMENT PERMIT FOR WORK WITHIN CITY OF OAKLAND.

KEYNOTES

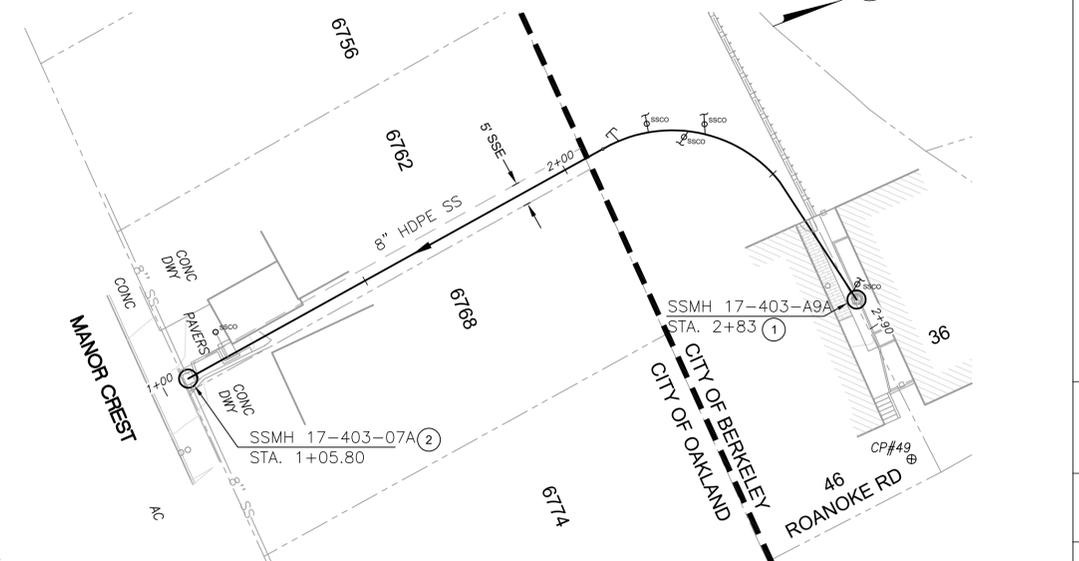
- REHABILITATE EXISTING SSMH
- SHALLOW SSMH PER COB STD PLAN 6653, SEE SHEET 26. (REMOVE AND DISPOSE EX. STRUCTURE. RECONNECT ALL PIPES AND MAINTAIN EX. INVERTS (VIF))



PLAN - 8" SS



PLAN - 8" SS



PLAN - 8" SS



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 FOR REDUCED PLANS - ORIGINAL SCALE IS IN INCHES

DEPICTION OF MONUMENTS: _____ DATE _____
 SURVEY CHIEF OF PARTY _____ DATE _____
 WATERSHED REVIEW: _____ DATE _____

SUBMITTED: _____ DATE _____
 SUPERVISING ENGINEER _____
 APPROVED: _____ DATE _____
 CITY ENGINEER _____

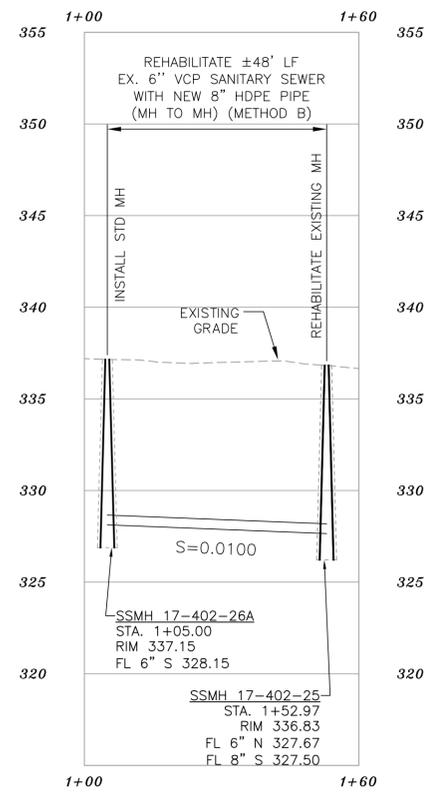
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 DRAWN: DC
 CHECK: JD
 AS BUILT: _____
 HORIZ. 1" = 20'
 VERT. 1" = 5'
 BOOK: _____
 DATE 12/12/25

CITY OF BERKELEY
 DEPARTMENT OF PUBLIC WORKS

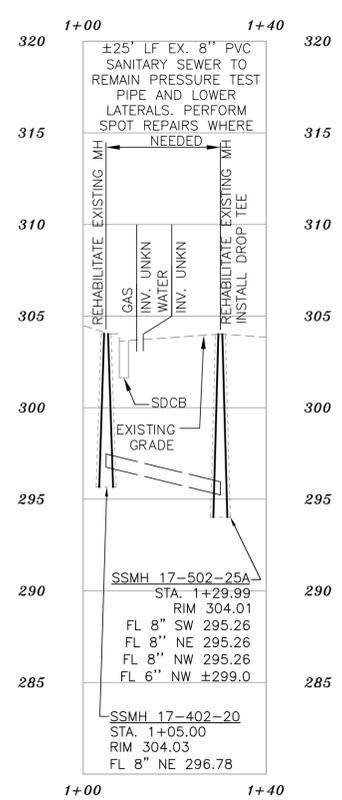
SANITARY SEWER REHABILITATION AND REPLACEMENT PROJECT
 PLAN AND PROFILE
 ROBLE COURT, CHABOT ROAD, ROANOKE ROAD

PLAN 8301
 FILE 502-726
 C1.17
 SHEET 21 OF 32

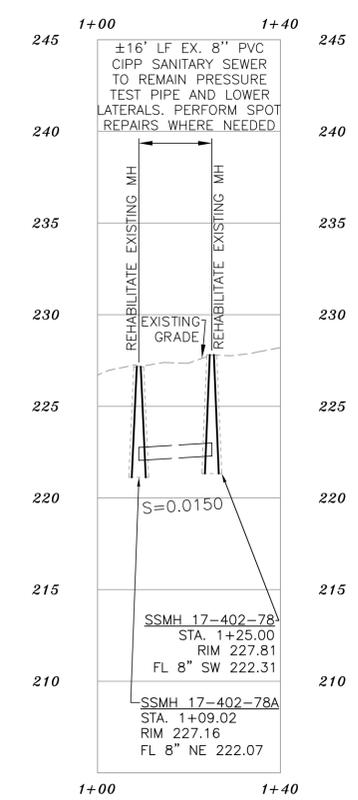
REVISION	MARK	DATE	DESCRIPTION	APPROVAL



PROFILE - 8" SS



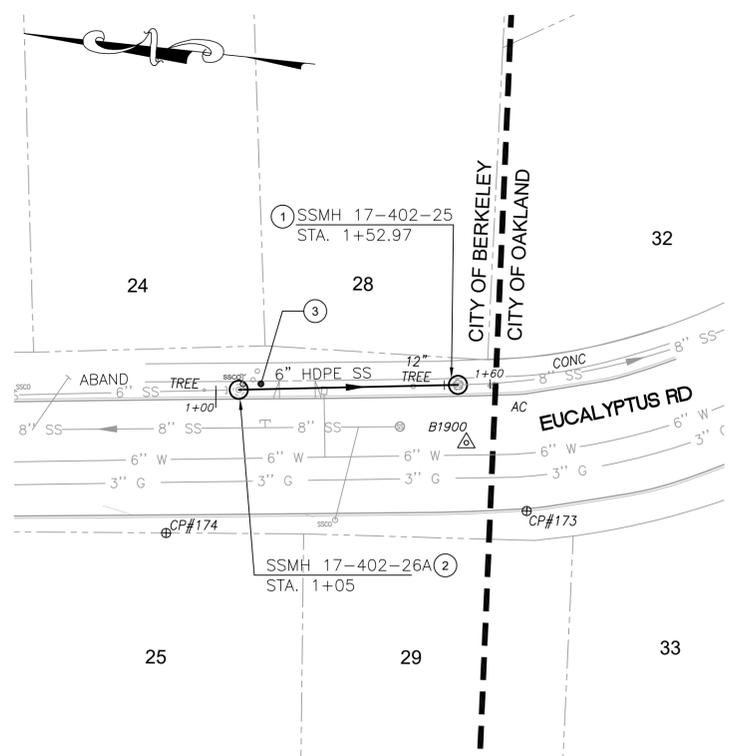
PROFILE - 8" SS



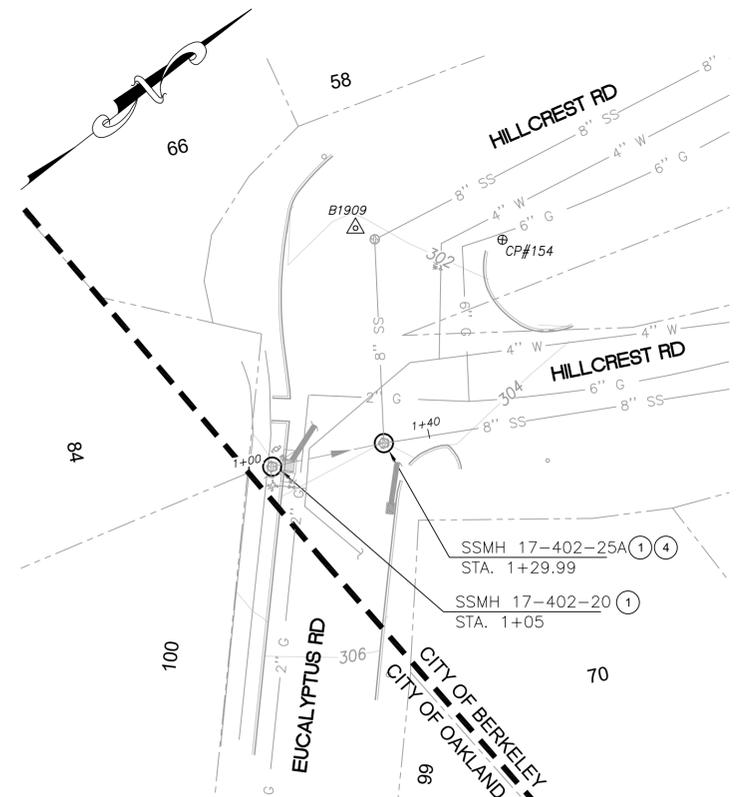
PROFILE - 10" SS

- NOTES:**
- FOR GENERAL NOTES SEE SHEET 3 OF THE PLANS.
 - LOWER LATERALS ARE SHOWN BASED ON CCTV, SURVEY DATA, AND RECORD INFORMATION. LOWER LATERALS ARE SHOWN IN DASHED LINE WHERE UNCONFIRMED BY CCTV OR SURVEY DATA. LOWER LATERALS COULD NOT BE DETERMINED AS ACTIVE OR ABANDONED DURING THE PREPARATION OF THESE PLANS. PRIOR TO SEWER MAIN REHABILITATION AND ANY LATERAL RECONSTRUCTION, THE CONTRACTOR SHALL IDENTIFY ALL LATERALS AS ACTIVE OR ABANDONED AND COORDINATE FINDINGS WITH THE ENGINEER.
 - RECONSTRUCT CITY MONUMENTS DISTURBED BY SEWER INSTALLATION. REFER TO STANDARD DETAIL PLAN NOS. 8090 & 8091 OF THE SPECIFICATIONS.
 - IN ACCORDANCE WITH SPECIAL CONDITION NO.13 IN THE SPECIAL PROVISIONS, PRIOR TO EXCAVATION, CONTRACTOR SHALL POTHOLE AND VERIFY THE LOCATION AND DEPTH OF EXISTING STORM DRAINS, SANITARY SEWER MAINS, SEWER LATERALS, AND OTHER UTILITIES OR CONDUITS TO CONFIRM CLEARANCE TO THE WORK BEING PERFORMED. EXISTING UTILITY INFORMATION SHOWN HEREIN IS FOR INFORMATION PURPOSES ONLY. IF CLEARANCE IS LESS THAN 12 INCHES OR IF THERE IS AN EXISTING CONCRETE SADDLE AT THE CROSSING, NOTIFY ENGINEER IMMEDIATELY PRIOR TO CONTINUING WORK.
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 - SPOT REPAIRS ARE SHOWN BASED ON CCTV. PRIOR TO SEWER MAIN REHABILITATION, THE CONTRACTOR SHALL VERIFY LOCATIONS OF SPOT REPAIRS AND PERFORM SPOT REPAIRS AS NEEDED.
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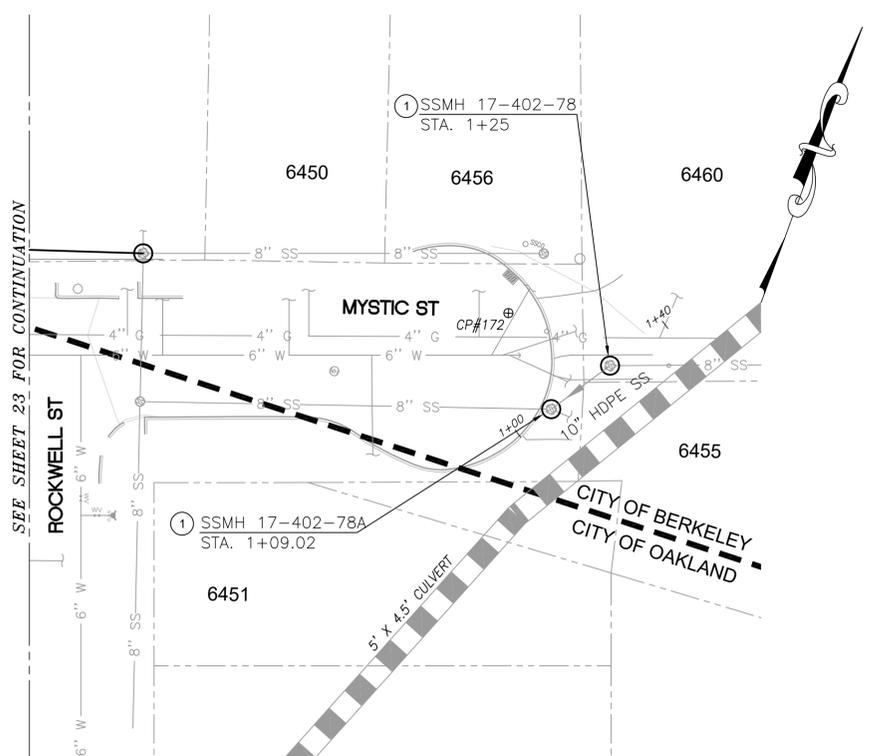
- KEYNOTES**
- REHABILITATE EXISTING SSMH
 - STANDARD SSMH PER COB STD PLAN 7895. SEE SHEET 26 (REMOVE AND DISPOSE EX. STRUCTURE, RE-CONNECT ALL PIPES AND MAINTAIN EX. INVERTS (VIF))
 - SALVAGE AND RESET PAVERS, CUT AS NECESSARY FOR NEW SSMH FRAME AND LID
 - NEW DROP TEE AT MH CONNECTION PER DETAIL 4, SHEET 28



PLAN - 8" SS



PLAN - 8" SS



PLAN - 10" SS



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SUBMITTED: _____ DATE _____
 SUPERVISING ENGINEER _____
 EXP. _____
 APPROVED: _____ DATE _____
 CITY ENGINEER _____

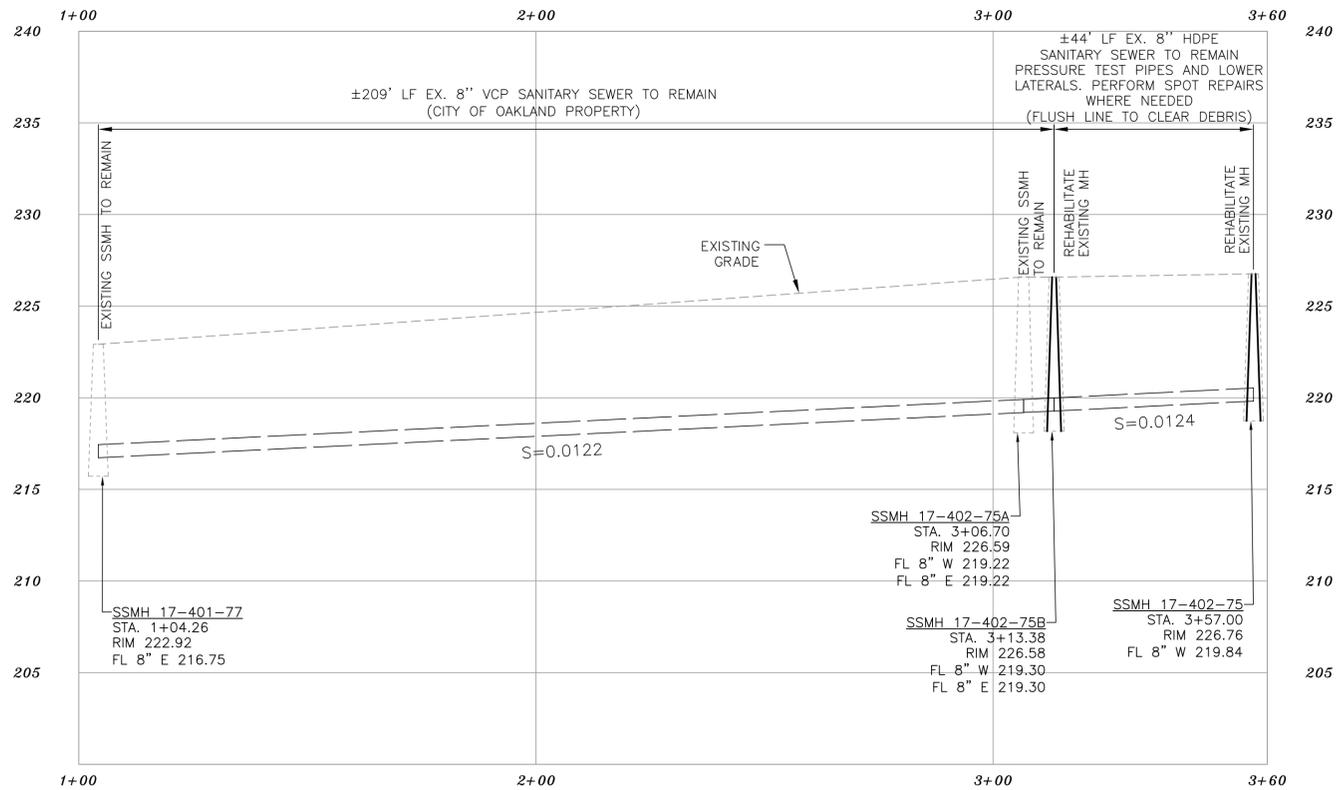
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 DRAWN: _____ DC _____
 CHECK: _____ JD _____
 AS BUILT: _____
 HORIZ. 1" = 20'
 VERT. 1" = 5'
 BOOK _____
 DATE 12/12/25

CITY OF BERKELEY
 DEPARTMENT OF PUBLIC WORKS

SANITARY SEWER REHABILITATION AND REPLACEMENT PROJECT
 PLAN AND PROFILE
 HILLCREST ROAD, EUCALYPTUS ROAD, MYSTIC STREET

PLAN 8301
 FILE 502-726
 C1.18
 SHEET 22 OF 32

REVISION	MARK	DATE	DESCRIPTION	APPROVAL



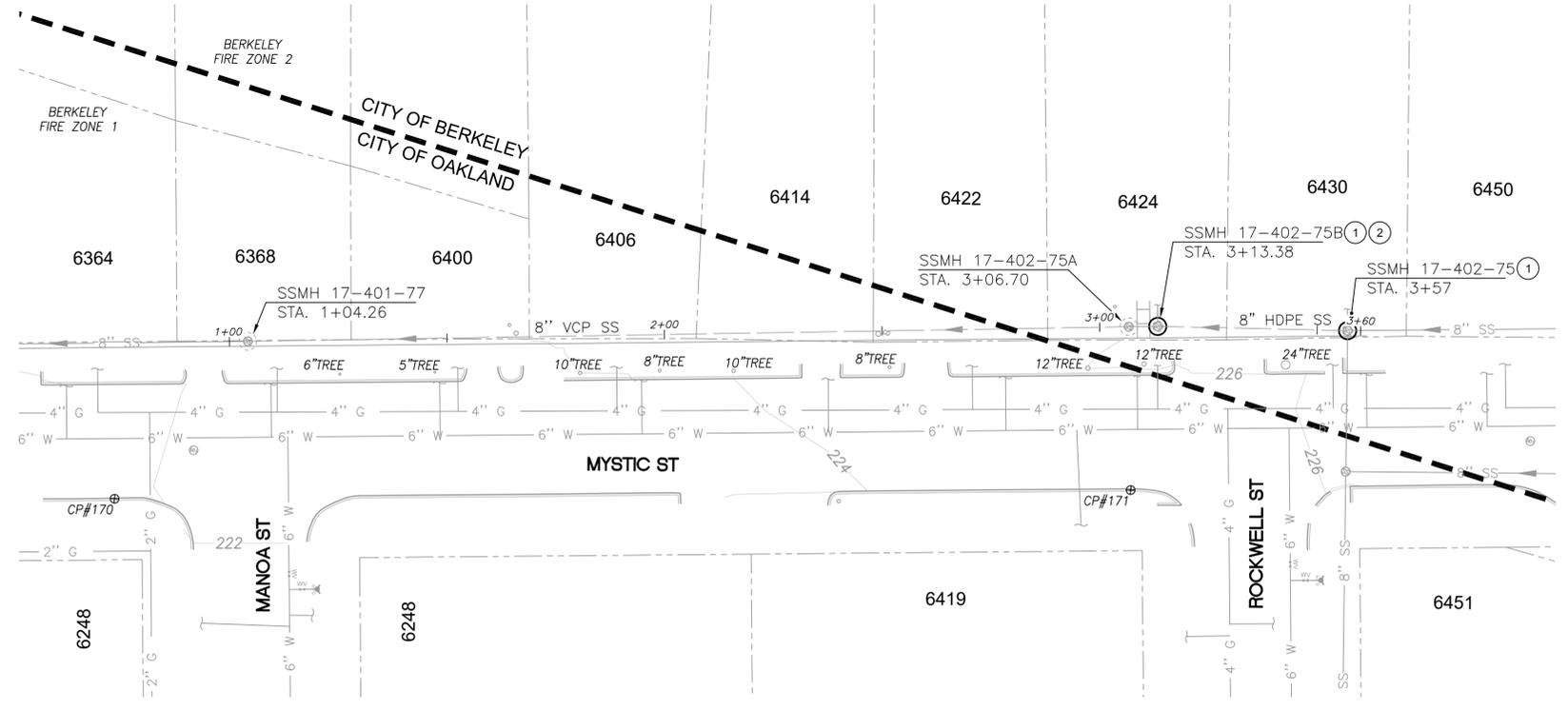
PROFILE - 8" SS

NOTES:

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KEYNOTES

- REHABILITATE EXISTING SSMH
- CLEAR AND GRUBB LANDSCAPE OVER EXISTING SSMH. COORDINATE WORK WITH 6424 MYSTIC HOME OWNER, LANDSCAPE SHALL BE REPLACED IN KIND



PLAN - 8" SS



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 SUPERVISING ENGINEER _____
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 CITY ENGINEER _____

DESIGN: JD
 DRAWN: DC
 CHECK: JD
 AS BUILT: _____
 REGISTR. EXP. _____
 R.C.E. EXP. _____

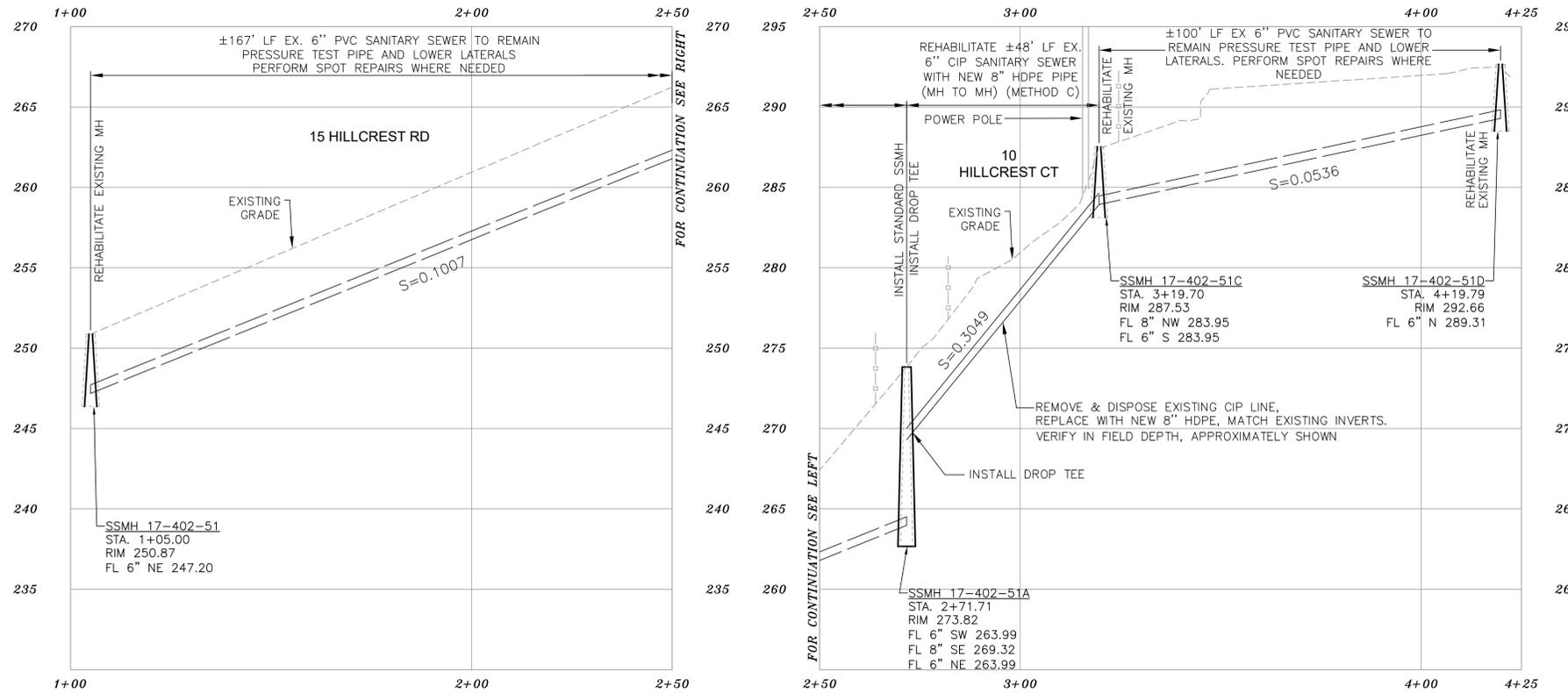
HORIZ. 1" = 20'
 VERT. 1" = 5'
 BOOK _____
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 DEPARTMENT OF PUBLIC WORKS

SANITARY SEWER REHABILITATION AND REPLACEMENT PROJECT
 PLAN AND PROFILE
 MYSTIC STREET

PLAN 8301
 FILE 502-726
 C1.19
 SHEET 23 OF 32

REVISION	MARK	DATE	DESCRIPTION	APPROVAL



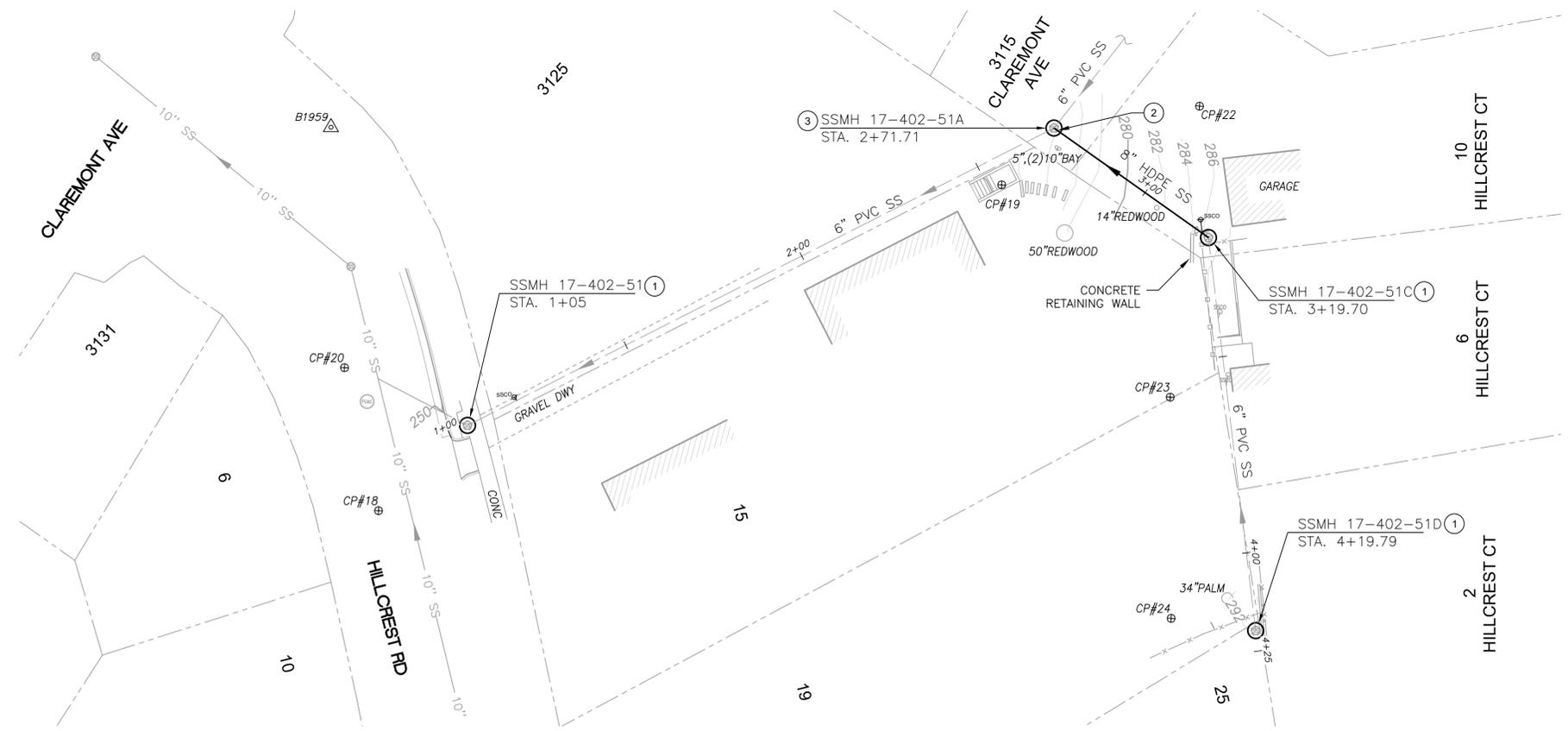
PROFILE - 6"/8" SS

NOTES:

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KEYNOTES

- REHABILITATE EXISTING SSMH
- NEW DROP TEE AT MH CONNECTION PER DETAIL 5, SHEET 28
- REMOVE AND DISPOSE EX. SS STRUCTURE (JUNCTION BOX, LAMPHOLE, CLEANOUT, ETC.) INSTALL STANDARD MH PER COB STD PLAN 7895, SHEET 26



PLAN - 6"/8" SS



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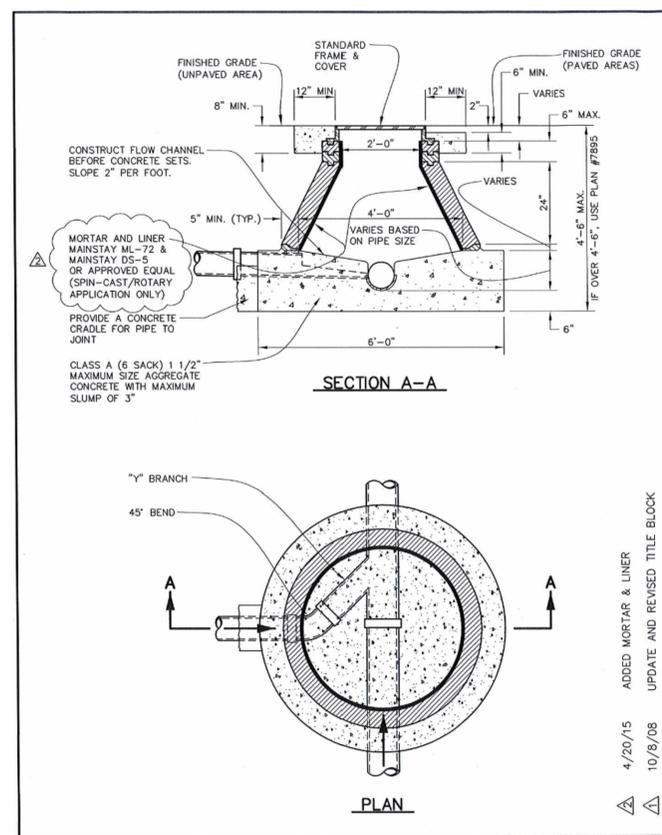
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 DEPARTMENT OF PUBLIC WORKS

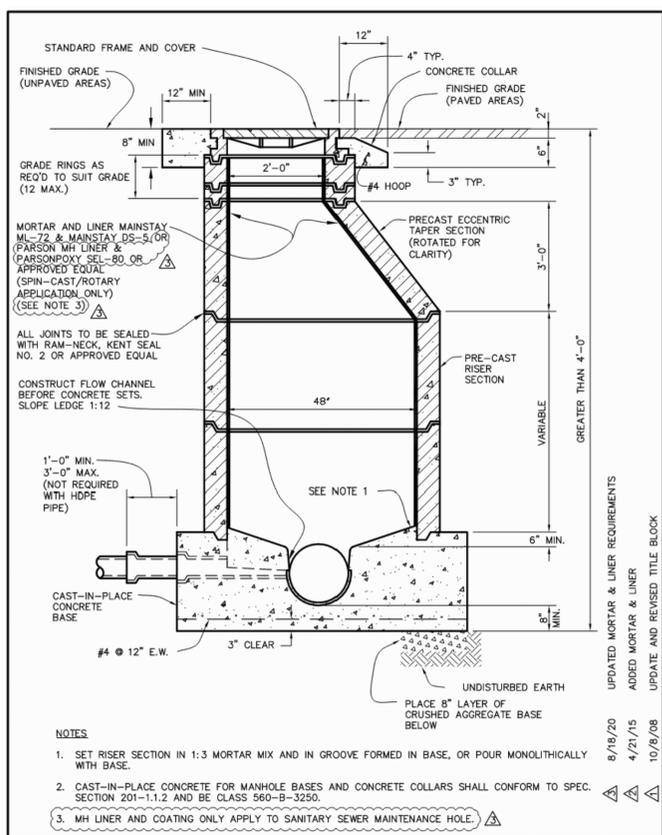
SANITARY SEWER REHABILITATION AND REPLACEMENT PROJECT
 PLAN AND PROFILE
 HILLCREST ROAD, HILLCREST COURT

PLAN 8301
 FILE 502-726
 C1.20
 SHEET 24 OF 32

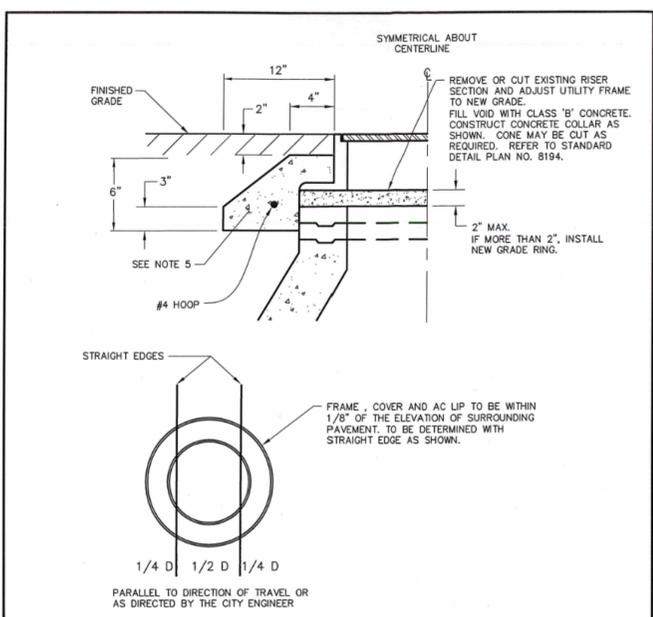
REVISION	MARK	DATE	DESCRIPTION	APPROVAL



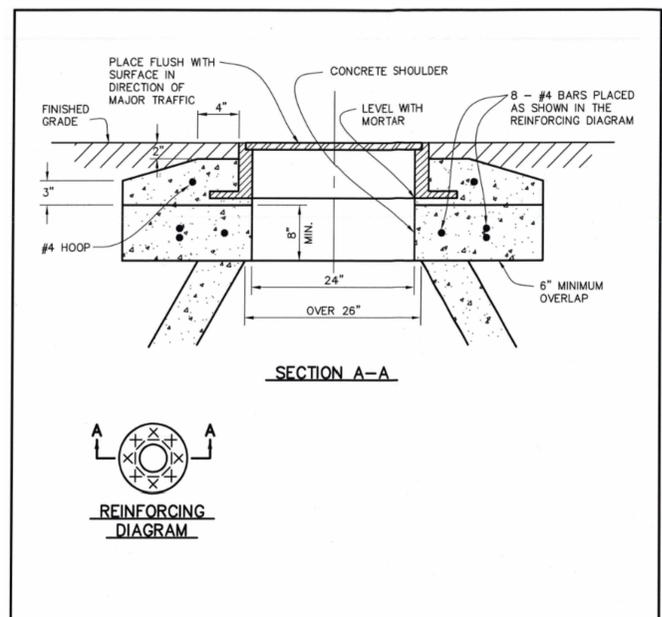
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DESIGN: TP	DATE: 5/12/15	PLAN: 8194	FILE: 20B-170
DRAWN: MS	R.C.E.: 54937	CITY ENGINEER	
CHECK: KE	EXP: 6/30/16		
APPROVED: [Signature]	DATE: 5/12/15	DATE: 2/97	PLAN: 8653
	R.C.E.: 64314	SCALE: N.T.S.	FILE: 20-B-110
	EXP: 6/30/15	BOOK:	



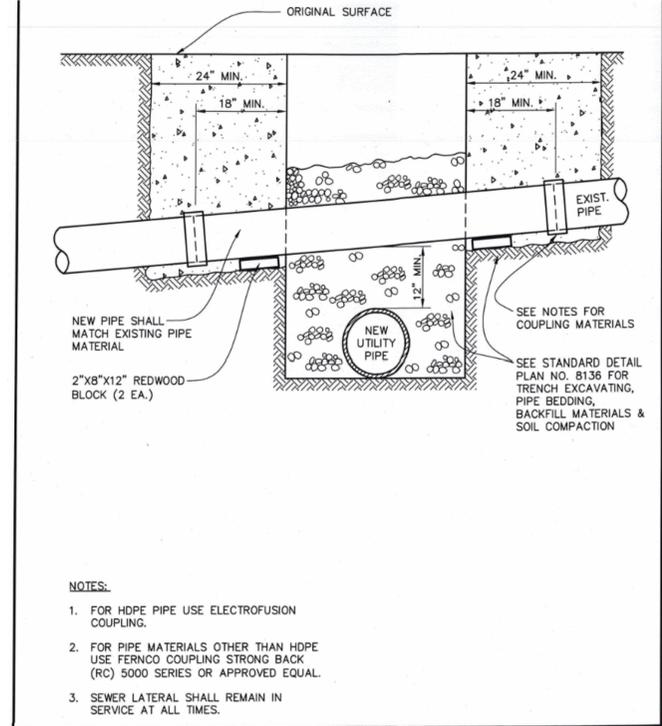
CITY OF BERKELEY DEPARTMENT OF PUBLIC WORKS		STANDARD DETAIL PRECAST MANHOLE ECCENTRIC CONE	
DESIGN: TP	DATE: 8/19/20	PLAN: 7895	FILE: 20-B-147
DRAWN: LG	R.C.E.: 37829	CITY ENGINEER	
CHECK: KE	EXP: 3/31/21		
APPROVED: [Signature]	DATE: 4/21/15	DATE: 1/02	PLAN: 7895
	R.C.E.: 49027	SCALE: N.T.S.	FILE: 20-B-147
	EXP: 9/30/20	BOOK:	



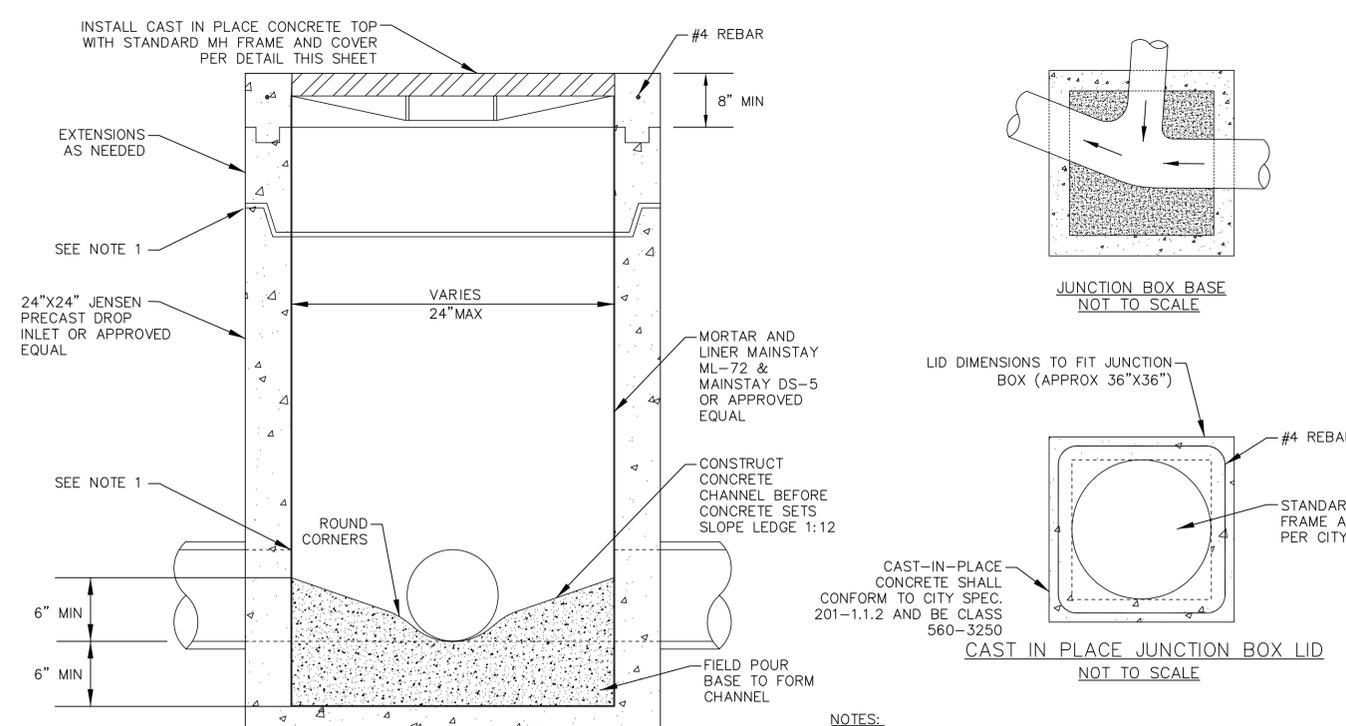
CITY OF BERKELEY DEPARTMENT OF PUBLIC WORKS		STANDARD DETAIL MANHOLE FRAME & COVER ADJUSTMENT	
DESIGN: TP	DATE: 5/23	PLAN: 8193	FILE: 20B-169
DRAWN: LG	R.C.E.: N.T.S.	CITY ENGINEER	
CHECK: KE	SCALE: N.T.S.		
APPROVED: [Signature]	DATE: 5-23-19		



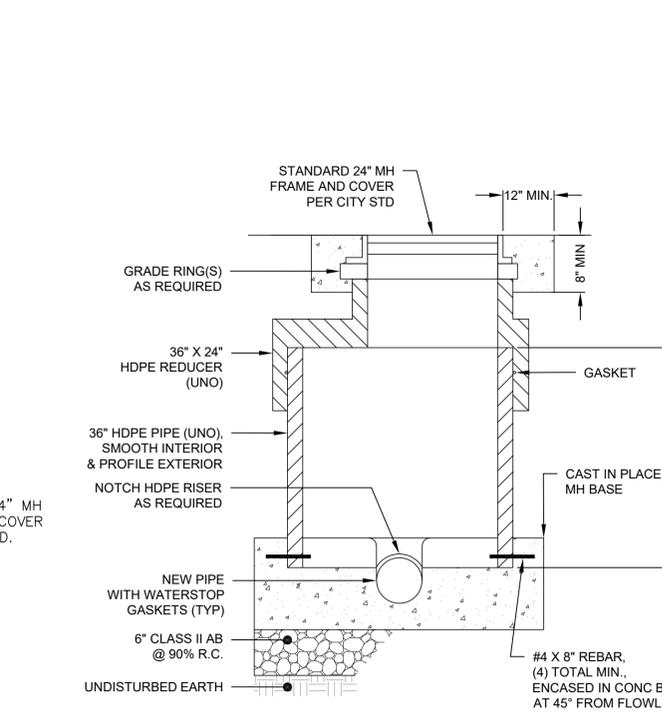
CITY OF BERKELEY DEPARTMENT OF PUBLIC WORKS		STANDARD DETAIL MANHOLE FRAME & COVER ADJUSTMENT - LOWERING	
DESIGN: TP	DATE: 5/18	PLAN: 8194	FILE: 20B-170
DRAWN: MS	R.C.E.: N.T.S.	CITY ENGINEER	
CHECK: KE	SCALE: N.T.S.		
APPROVED: [Signature]	DATE: 5-23-18		



CITY OF BERKELEY DEPARTMENT OF PUBLIC WORKS		STANDARD DETAIL SEWER LATERAL REPAIR	
DESIGN: TP	DATE: 4/2019	PLAN: 8214	FILE: 20B-174
DRAWN: MS	R.C.E.: N.T.S.	CITY ENGINEER	
CHECK: NP	SCALE: N.T.S.		
APPROVED: [Signature]	DATE: 4-29-19		



CITY OF BERKELEY DEPARTMENT OF PUBLIC WORKS		STANDARD DETAIL JUNCTION BOX DETAIL	
DESIGN: TP	DATE: 5/23	PLAN: 8193	FILE: 20B-169
DRAWN: LG	R.C.E.: N.T.S.	CITY ENGINEER	
CHECK: KE	SCALE: N.T.S.		
APPROVED: [Signature]	DATE: 5-23-19		



CITY OF BERKELEY DEPARTMENT OF PUBLIC WORKS		STANDARD DETAIL HDPE MAINTENANCE HOLE	
DESIGN: TP	DATE: 5/18	PLAN: 8194	FILE: 20B-170
DRAWN: MS	R.C.E.: N.T.S.	CITY ENGINEER	
CHECK: KE	SCALE: N.T.S.		
APPROVED: [Signature]	DATE: 5-23-18		

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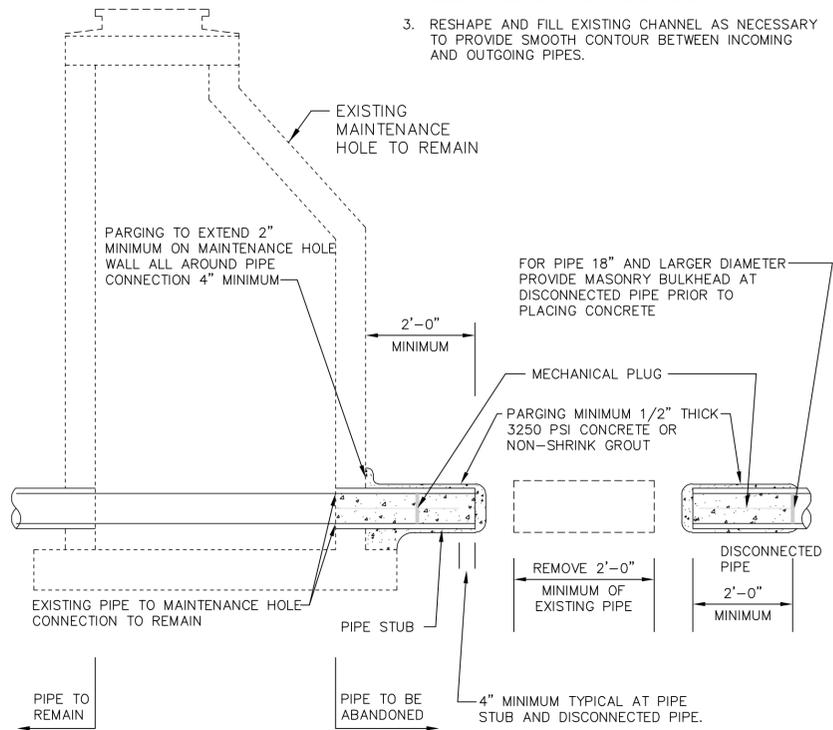
SUBMITTED: _____ DATE: _____
 SUPERVISING ENGINEER: _____ REGISTR. _____
 EXP. _____
 APPROVED: _____ DATE: _____
 CITY ENGINEER: _____ R.C.E. _____
 EXP. _____

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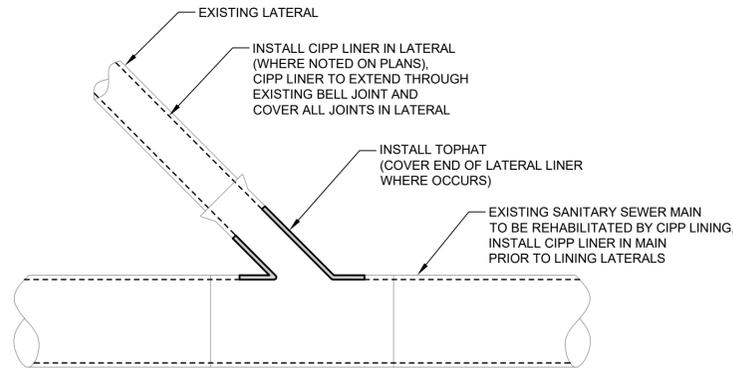
SANITARY SEWER REHABILITATION
 AND REPLACEMENT PROJECT
 CONSTRUCTION DETAILS
 PLAN 8301
 FILE 502-726
 C2.01
 SHEET 26 OF 32

NOTES:

- FOR SEWERS 15" AND SMALLER DIAMETER, DISCONNECT SEWER AS SHOWN, INSERT MECHANICAL PLUGS, PLACE CONCRETE, PARING AND COAT WITH TWO COATS OF ASPHALT BASE COATING.
- FOR SEWER 18" AND LARGER DIAMETER, SAME AS 15" AND SMALLER EXCEPT MASONRY BULKHEAD MAY BE SUBSTITUTED FOR MECHANICAL PLUG.
- RESHAPE AND FILL EXISTING CHANNEL AS NECESSARY TO PROVIDE SMOOTH CONTOUR BETWEEN INCOMING AND OUTGOING PIPES.



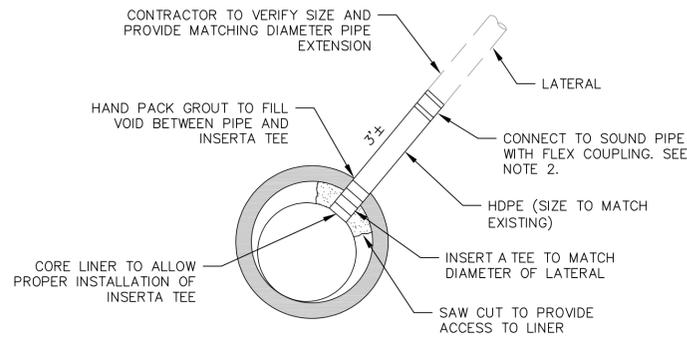
1 ABANDONEMENT OF PIPE AT SANITARY SEWER MAINTENANCE HOLE
SCALE: N.T.S.



NOTES:

- CONTRACTOR SHALL PERFORM WORK IN THE FOLLOWING ORDER: CIPP MAIN, CIPP LATERAL, INSTALL TOP HAT.
- THIS DETAIL SHALL ONLY BE USED WHERE SPECIFICALLY NOTED ON THE PLANS.

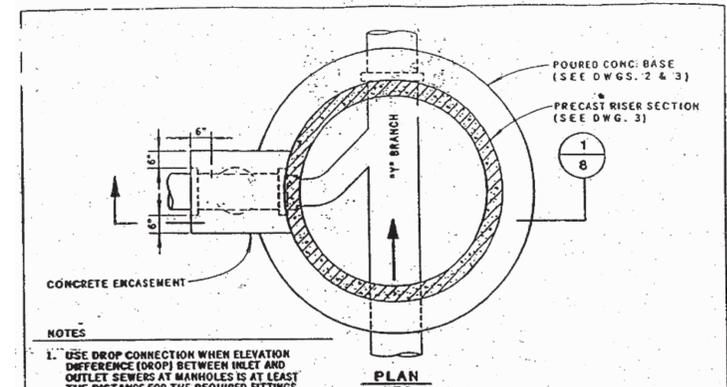
2 CIPP LINED OR PVC LATERAL WITH TOPHAT ON CIPP LINED MAIN
SCALE: N.T.S.



NOTES:

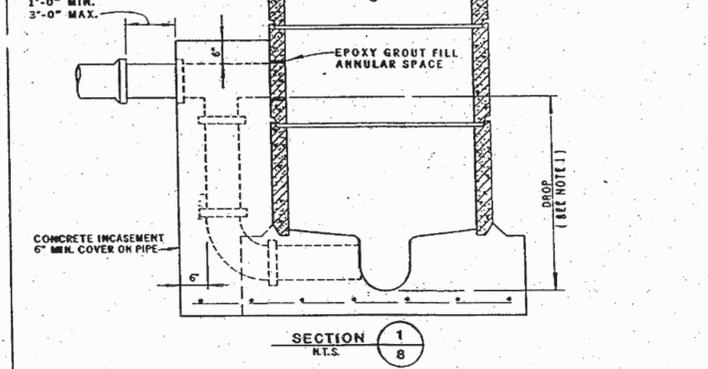
- INSERT A TEE SHALL BE DESIGNED AND MANUFACTURED SPECIFICALLY FOR USE ON CIPP LINER.
- FLEX COUPLING SHALL BE BANDED RUBBER COUPLING WITH FOUR (4) CLAMPS AND TYPE 316 STAINLESS STEEL SHEAR BANDS SUCH AS FERRO 5000 REPAIR COUPLING SERIES OR MISSION RUBBER ADJUSTABLE REPAIR COUPLING, OR EQUAL.

3 LATERAL CONNECTION TO CIPP LINED MAINS
SCALE: N.T.S.

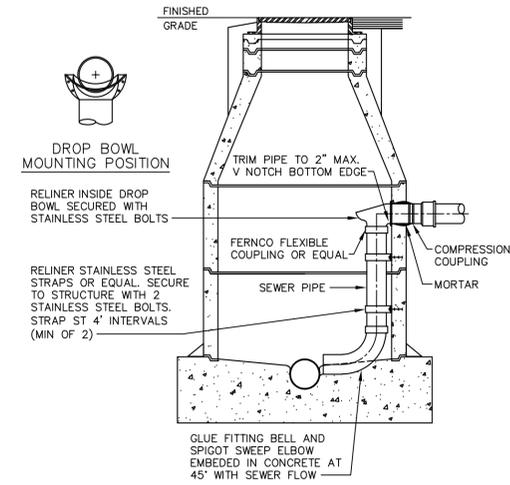


NOTES:

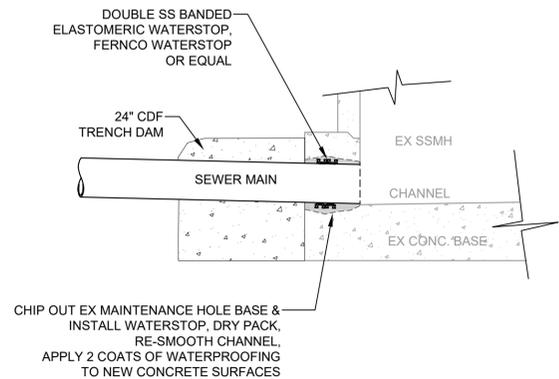
- USE DROP CONNECTION WHEN ELEVATION DIFFERENCE (DROP) BETWEEN INLET AND OUTLET SEWERS AT MANHOLES IS AT LEAST THE DISTANCE FOR THE REQUIRED FITTINGS AND THE DROP IS 1'-6\"/>



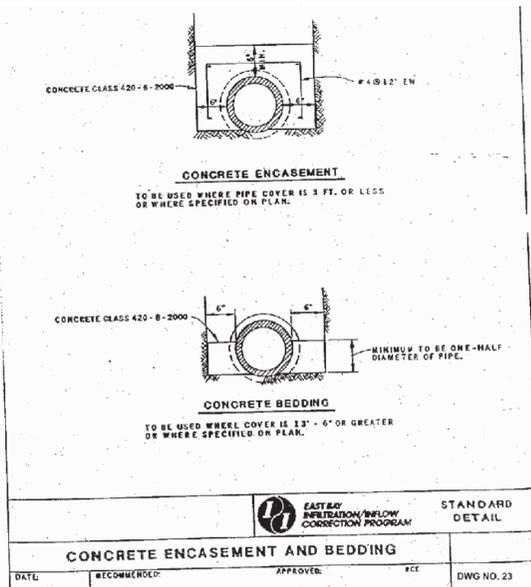
4 DROP MH TEE DETAIL
SCALE: N.T.S.



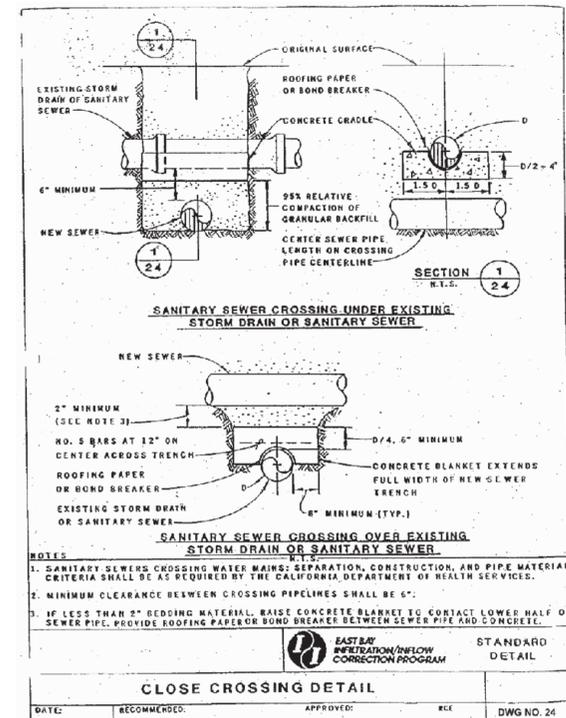
5 INSIDE DROP MH TEE DETAIL
SCALE: N.T.S.



6 TYPICAL MANHOLE CONNECTION
SCALE: N.T.S.



7 CONCRETE ENCASEMENT AND BEDDING
SCALE: N.T.S.



8 CLOSE CROSSING DETAIL
SCALE: N.T.S.



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SURVEY CHIEF OF PARTY: _____
WATERSHED REVIEW: _____ DATE _____
FOR REDUCED PLANS - ORIGINAL SCALE IS IN INCHES

DATE _____
REGISTR. _____
EXP. _____
SUBMITTED: _____
SUPERVISING ENGINEER: _____
APPROVED: _____
CITY ENGINEER: _____

DATE _____
REGISTR. _____
EXP. _____
DESIGN: _____
DRAWN: _____
CHECK: _____
AS BUILT: _____

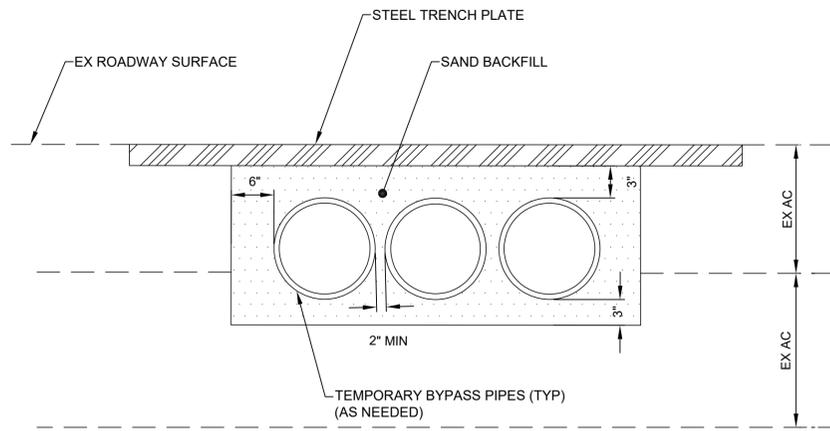
HORIZ. _____
VERT. _____
BOOK _____
DATE 12/12/25

CITY OF BERKELEY
DEPARTMENT OF PUBLIC WORKS

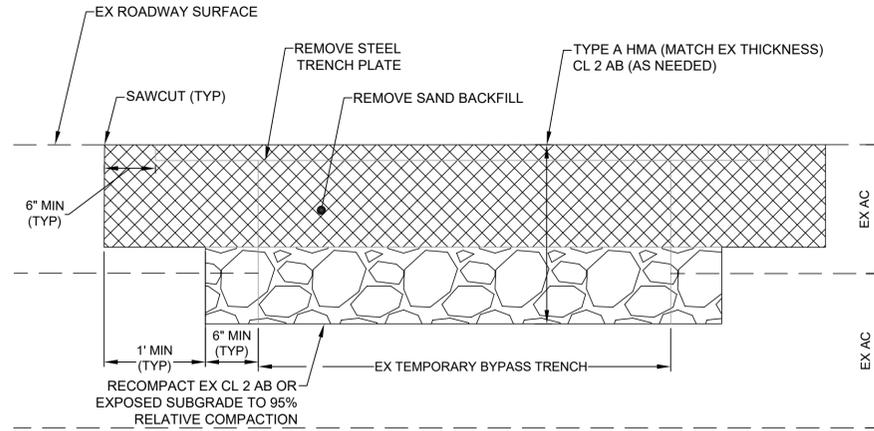
SANITARY SEWER REHABILITATION AND REPLACEMENT PROJECT
CONSTRUCTION DETAILS

PLAN 8301
FILE 502-726
C2.03
SHEET 28 OF 32

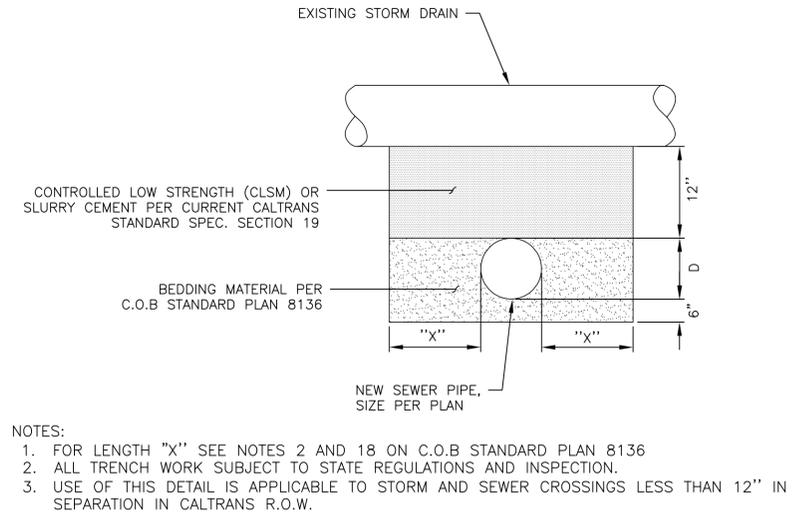
APPROVAL	
REVISION	
MARK	
DATE	
DESCRIPTION	



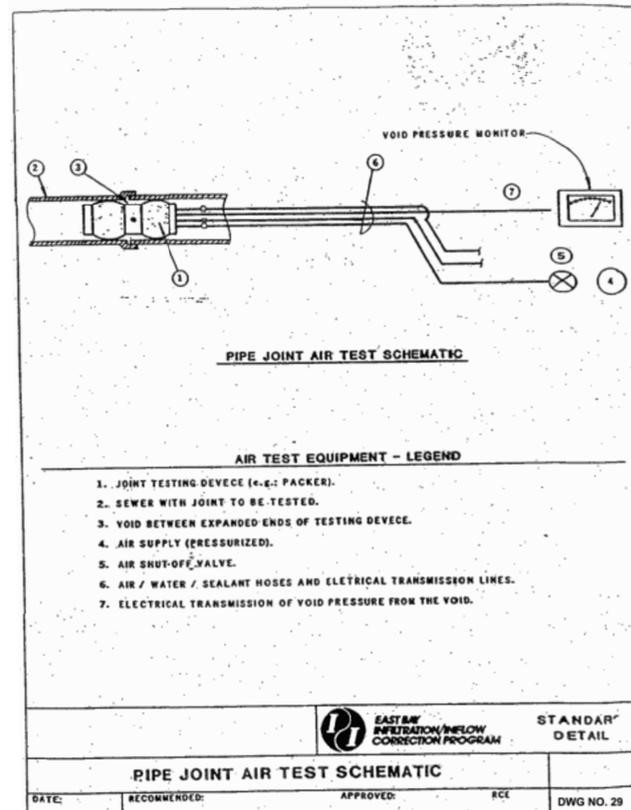
1 TEMPORARY BYPASS CROSSING
SCALE: N.T.S.



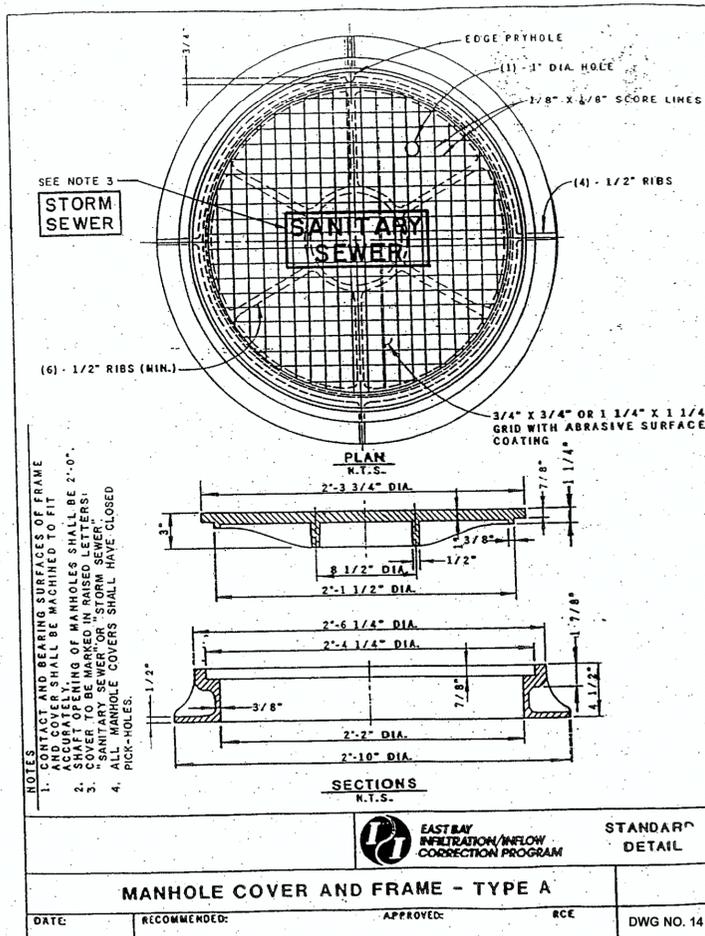
2 PAVEMENT RESTORATION OF TEMPORARY BYPASS CROSSING
SCALE: N.T.S.



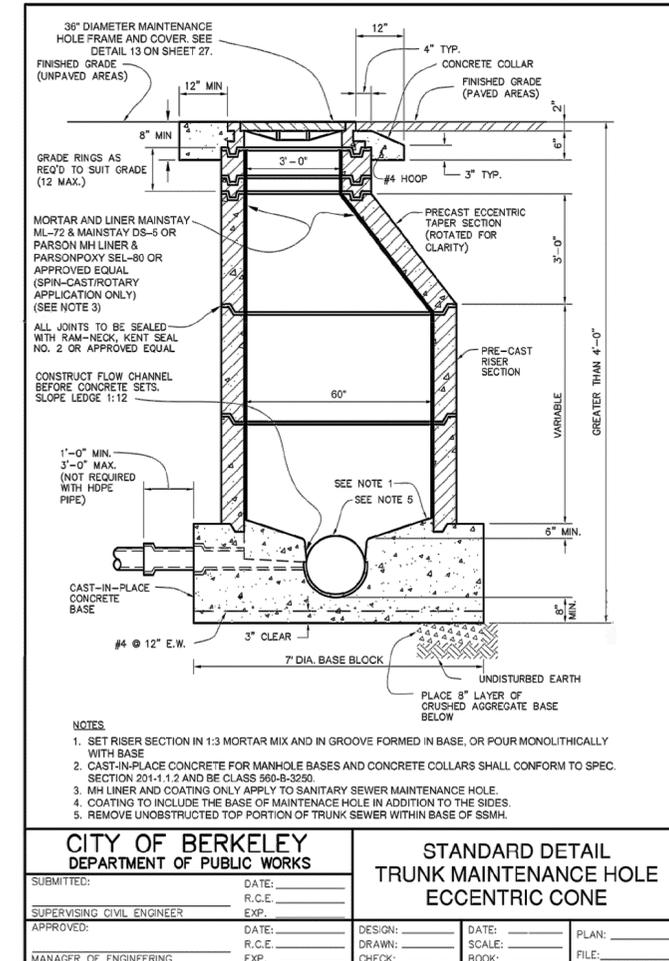
3 SEWER AND STORM CROSSING CALTRANS R.O.W.
SCALE: N.T.S.



4 PIPE JOINT AIR TEST SCHEMATIC
SCALE: N.T.S.



5 MANHOLE COVER AND FRAME
SCALE: N.T.S.



6 TRUNK MAINTENANCE HOLE
SCALE: N.T.S.



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PROJECT MANAGER: _____ DATE: _____
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DEPICTION OF MONUMENTS: _____ DATE: _____
SUBMITTED: _____ DATE: _____
REGISTER: _____ EXP: _____
DESIGN: _____ JD _____
DRAWN: _____ DC _____
CHECK: _____ JD _____
AS BUILT: _____ DATE: 12/12/25

APPROVED: _____ DATE: _____
R.C.E. _____
CITY ENGINEER

CITY OF BERKELEY
DEPARTMENT OF PUBLIC WORKS

SANITARY SEWER REHABILITATION AND REPLACEMENT PROJECT
CONSTRUCTION DETAILS

PLAN 8301
FILE 502-726
C2.04
SHEET 29 OF 32

REVISION	MARK	DATE	DESCRIPTION	APPROVAL

SURVEY CONTROL POINTS

DESIGNATION	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	2138106.837	6055332.292	215.26	CP MN SW
2	2138388.205	6055317.194	217.72	CP MN SW STATIC 1
3	2138048.682	6055283.543	213.47	CP MN GTR STATIC 2
4	2138020.5	6055080.407	208.22	CP SPK SW
5	2138216.533	6055328.136	216.32	CP MN CNC DW
6	2138198.285	6055240.736	215.76	CP MN DW
7	2138227.319	6055232.122	215.80	CP SPK
8	2138169.565	6055075.264	209.35	CP SPK
9	2143384.666	6057799.953	820.09	CP MN CNC STATIC 3
10	2143432.103	6057790.394	829.39	CP MN CNC STATIC 4
11	2143271.158	6057757.788	761.86	CP SPK
12	2137457.927	6059417.215	303.39	CP MN
13	2137480.421	6059593.691	319.86	CP MN
14	2137649.096	6059540.591	324.85	CP SPK
15	2137631.027	6059524.896	320.97	CP MN CNC DI STRIP
16	2137401.709	6059475.524	299.84	CP MN CNC DI
17	2137643.649	6059668.457	342.09	CP MN
18	2137822.047	6056813.055	250.12	CP FND MNW W-R
19	2137904.45	6056971.138	270.82	CP INK
20	2137858.212	6056804.422	248.71	CP MN
21	2137743.797	6056820.293	254.79	CP MN SW
22	2137924.352	6057021.324	285.77	CP SPK
23	2137850.762	6057013.898	284.36	CP SPK
24	2137794.828	6057014.132	286.92	CP SPK
25	2138263.51	6055365.465	217.28	CP MN CURB
26	2138843.543	6055291.161	226.32	CP MN SW
27	2138635.013	6055344.415	222.21	CP SPK
28	2139250.899	6055254.932	229.71	CP MN SW
29	2139090.712	6055281.615	228.30	CP SPK
30	2139493.05	6055244.429	235.50	CP MN SW
31	2139344.827	6055207.375	231.35	CP MN CURB
32	2139773.173	6055222.817	241.20	CP MN SW
33	2139601.165	6055189.96	237.18	CP SPK
34	2139821.804	6055585.906	251.36	CP MN SW
35	2139857.107	6055176.655	242.29	CP MN CURB
36	2139843.248	6055879.394	257.73	CP MN SW
37	2139935.197	6055829.473	259.69	CP MN CURB
38	2140069.206	6055859.863	264.38	CP SPK
39	2140213.15	6055811.065	268.61	CP CC
40	2138077.755	6055441.894	218.17	CP MN CURB
41	2138065.741	6055088.344	208.21	CP SPK
42	2137984.048	6054820.881	202.21	CP SPK
43	2137979.273	6054665.888	200.66	CP SPK
44	2137232.404	6058777.834	289.34	CP MN
45	2137196.27	6058655.203	271.16	CP MN SW
46	2137347.686	6058786.422	305.41	CP SPK
47	2137180.726	6058764.251	281.53	CP MN STATIC
48	2137622.105	6058739.392	345.01	CP MN STATIC
49	2137377.773	6058741.02	309.08	CP INK
50	2137907.424	6054325.937	190.16	CP MN SW
51	2137910.793	6053960.443	181.42	CP MN SW
52	2137911.168	6054060.791	183.44	CP MN SW
53	2137843.54	6053777.098	177.05	CP MN CURB
54	2138790.835	6060403.498	560.01	CP MN SW
55	2138743.805	6060201.933	541.31	CP MN SW
56	2138761.369	6060280.061	548.73	CP MN SW
57	2138811.348	6060413.961	562.05	CP MN SW STATIC
58	2139018.304	6060431.373	582.43	CP MN SW STATIC
59	2138979.063	6059994.837	521.96	CP MN SW
60	2138981.198	6059963.386	520.72	CP SPK

SURVEY CONTROL POINTS

DESIGNATION	NORTHING	EASTING	ELEVATION	DESCRIPTION
61	2139073.655	6060078.184	545.72	CP SPK
62	2139075.208	6060179.597	548.42	CP TACK
63	2139110.379	6060072.827	556.30	FND RBC RCE 18580
64	2137812.484	6053565.949	172.23	CP MN@TCB
65	2137835.205	6053466.499	170.85	CP MN@TCB
66	2137783.699	6053383.963	168.25	CP SPK
67	2138189.956	6050850.953	119.24	CP SPK STATIC
68	2138406.743	6050912.209	120.29	CP SPK STATIC
69	2138500.437	6051017.353	121.81	CP MN SW
70	2138012.801	6050853.968	116.11	CP MN SW
71	2137713.206	6050756.446	114.22	CP MN SW
72	2137537.606	6050701.761	111.78	CP MN SW
73	2140199.128	6057609.193	357.50	CP MN SW
74	2140178.443	6057298.758	364.81	CP MN SW
75	2140196.85	6057553.812	358.91	CP SPK SW
76	2140089.401	6057613.953	362.31	CP INK CNC DW
77	2140235.103	6057652.773	357.32	CP MN STATIC
78	2140091.074	6057559.857	361.40	CP INK CNC DW
79	2140079.567	6057476.603	359.77	CP SPK
80	2140074.451	6057444.356	353.65	CP SPK
81	2139924.39	6057311.413	312.48	CP MN SW
82	2139994.762	6057308.082	323.59	CP MN SW
83	2140115.723	6057308.23	357.03	CP DH
84	2140173.544	6057240.866	364.91	CP MN SW
85	2140216.298	6057297.286	365.75	CP MN STATIC
86	2138676.349	6051254.401	129.12	CP MN SW
87	2138709.624	6051447.458	134.37	CP MN GTR
88	2138899.061	6051400.584	134.19	CP MN CURB
89	2137089.398	6050556.509	106.21	CP MN SW
90	2137508.283	6051019.944	117.41	CP DH SW
91	2137546.785	6051294.089	122.61	CP MN SW
92	2137631.75	6051498.688	126.16	CP MN SW
93	2140068.226	6057315.13	342.37	CP SPK
94	2140084.103	6057378.064	347.87	CP SPK
95	2140039.013	6057322.416	336.07	CP SPK
96	2140038.43	6057385.484	338.01	CP SPK
97	2140077.175	6057239.759	347.02	CP DH
98	2140064.055	6057282.243	344.88	CP SPK
99	2140093.175	6057185.398	345.30	CP SPK
100	2140053.577	6057213.847	337.83	CP SPK
101	2140052.073	6057175.377	328.68	CP SPK
102	2140036.401	6057241.401	330.61	CP SPK
103	2140036.658	6057151.522	319.40	CP SPK
104	2140029.922	6057183.72	319.18	CP MN
105	2140038.169	6057267.449	334.50	CP SPK
106	2140045.31	6057625.771	361.99	CP MN CNC
107	2139930.384	6057428.575	321.33	CP SPK
108	2139981.029	6057466.402	332.96	CP SPK
109	2140046.553	6057453.101	342.40	CP SPK
110	2140011.235	6057456.545	335.33	CP INK
112	2139108.964	6049220.697	92.14	CP MN SW
115	2139334.275	6049794.209	102.11	CP MN SW
117	2139320.563	6049836.152	102.47	FND MON 2"BDWP
118	2137812.309	6053308.634	166.47	CP SPK
119	2141411.872	6053079.055	190.02	CP MN SW
120	2141468.191	6053496.06	206.13	CP MN SW

SURVEY CONTROL POINTS

DESIGNATION	NORTHING	EASTING	ELEVATION	DESCRIPTION
121	2141353.4	6052696.881	179.69	CP MN SW
122	2141500.188	6053726.691	212.34	CP MN SW
123	2141539.799	6053944.351	218.69	CP FND MNW CURB "QUIET RIVER LS"
124	2141317.425	6052457.138	177.00	CP MN SW
125	2141286.864	6052243.958	174.91	CP MN SW
126	2138891.71	6060251.789	554.24	CP SPK
127	2138924.796	6060269.981	556.30	CP SPK
128	2139021.802	6060194.742	549.90	CP SPK
129	2140949.721	6052233.804	165.60	CP MN SW
130	2141301.881	6052215.225	176.06	CP FND CC
131	2140907.364	6051918.136	160.81	CP MN SW
132	2140862.734	6051624.087	157.52	CP MN SW
133	2140700.675	6051627.101	154.72	CP SPK
134	2140591.172	6051615.673	153.61	CP MN SW
135	2140161.781	6055859.266	267.61	CP MN SW
136	2140286.505	6055853.137	271.81	CP MN SW
137	2140301.914	6056079.944	279.46	CP MN SW
138	2140372.062	6056415.715	291.12	CP MN SW
139	2139013.996	6053623.083	189.34	CP MN SW @NE COR TELEGRAPH & ASHBY
140	2139031.134	6053736.797	191.23	CP MN SW NE COR
141	2138886.895	6053618.152	186.94	CP MN SW NE COR
143	2144576.792	6049344.852	151.23	CP SPK
144	2144661.091	6049873.324	161.74	CP MN CNC
147	2143394.624	6052593.784	218.64	CP MN @TCB
148	2143374.168	6052451.652	213.88	CP MN @TCB
149	2143247.36	6052616.368	215.69	CP MN GTR
150	2137706.84	6056846.559	256.77	CP MN
151	2137551.412	6057164.446	283.10	CP MN
152	2137743.797	6056820.293	254.80	CK 150-21
153	2137858.252	6056804.416	248.71	CK 150-20
154	2137326.069	6057195.955	301.24	CP SPK
155	2137256.792	6057206.658	304.03	CP MN CURB
156	2135958.556	6050019.432	89.75	CP MN SW
157	2135772.459	6049992.81	88.42	CP MN CNC
158	2135905.566	6049675.007	82.94	CP SPK
159	2136175.521	6050178.36	95.35	CP SPK
160	2135929.205	6050093.051	91.70	CP MN@TCB
161	2135811.796	6049651.255	81.99	CP MN CURB
162	2136202.014	6050367.097	96.47	CP MN@TCB
163	2136387.458	6050312.859	98.22	CP MN@TCB
164	2142505.894	6056981.535	398.50	CP SPK
165	2142561.186	6057112.194	418.32	CP MN SW
166	2142386.521	6056971.631	387.58	CP MN SW
167	2142703.788	6057010.408	412.90	CP SPK
168	2137034.614	6056050.473	219.68	CP MN CNC @ SAFEWAY PARKING LOT
169	2136819.854	6055879.948	227.02	CP MN CNC @ SAFEWAY PARKING LOT
170	2137113.178	6056350.71	222.14	CP MN CURB
171	2137195.571	6056569.215	225.47	CP MN CURB
172	2137263.076	6056682.722	227.44	CP MN
173	2137262.927	6057548.859	337.64	CP MN @TCB
174	2137340.966	6057536.178	338.42	CP MN SW
175	2137097.98	6057696.96	334.78	CP MN SW
900	2143835.2140	6050067.3390	151.93	FND 3.5" BDWP NO2 1947
20044	2138128.487	6054786.139	203.37	CP MN CURB
20045	2138217.945	6054794.902	204.89	CP MN

BASIS OF TOPOGRAPHY

DISTANCES SHOWN ARE IN FEET AND DECIMALS THEREOF.

HORIZONTAL DATUM IS NORTH AMERICAN DATUM OF 1983 (NAD 83) PER 2010.00(2011), ZONE 3, PER OPUS USING STATIC EQUIPMENT. VERTICAL DATUM IS BASED ON THE CITY OF BERKELEY MONUMENT B2141, CITY BENCHMARK 3-1/2" Ø U.S.C. & G.S. BRASS DISK STAMPED "BERK NO 2 1947" IN MONUMENT WELL ELEVATION: 151.92' ON CITY OF BERKELEY VERTICAL DATUM.

SURVEY CONTROL POINTS

DESIGNATION	NORTHING	EASTING	ELEVATION	DESCRIPTION
CITY MONUMENTS				
B0001	2135936.981	6049656.593	82.68	CAP 1.1 MON
B0033	2138088.886	6055357.489	216.59	CAP 1.1 MON
B0034	2138044.89	6055060.577	208.70	CAP 1.1 MON
B0036	2137987.043	6054669.223	200.10	CAP 1.0 MON
B0037	2137940.18	6054353.758	191.26	CAP 1.1 MON
B0039	2137835.094	6053559.528	172.61	CAP 1.1 MON
B0120	2138678.322	6051440.027	134.84	CAP 1.1 MON
B0125	2138997.378	6053624.867	189.31	CAP 1.1 MON
B0129	2139227.195	6055247.554	22	



2930 AVALON AVE
SSMH 17-412-C1
(SEE SHEET 19)



OAK KNOLL PATH
SSMH 17-412-C2 & SSMH 17-412-C4
(SEE SHEET 19)



2944 AVALON AVE
SSMH 17-412-C6
(SEE SHEET 19)



2954 AVALON AVE
SSMH 17-412-C7
(SEE SHEET 19)



171 ALVARADO ROAD
SSMH 17-405-33
(SEE SHEET 20)



SUNSET TRAIL
SSMH 17-405-34
(SEE SHEET 20)



225 ALVARADO ROAD
SSMH 17-405-36
(SEE SHEET 20)



225 ALVARADO ROAD
NEW SSCO
(SEE SHEET 20)



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DC _____
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JD _____
AS BUILT _____
DATE 12/12/25

SUPERVISING ENGINEER _____
APPROVED: _____
R.C.E. _____
DATE _____
EXP. _____
CITY ENGINEER _____

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DC _____
CHECK: _____
JD _____
AS BUILT _____
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CITY OF BERKELEY
DEPARTMENT OF PUBLIC WORKS

SANITARY SEWER REHABILITATION
AND REPLACEMENT PROJECT
EXISTING CONDITIONS
AVALON AVENUE, ALVARADO ROAD

PLAN 8301
FILE 502-726
C4.00
SHEET 31 OF 32

REVISION	MARK	DATE	DESCRIPTION	APPROVAL



3115 CLAREMONT AVE
SSMH 17-402-51A
(SEE SHEET 24)



10 HILLCREST CT
SSMH 17-402-51C
(SEE SHEET 24)



2 HILLCREST CT
SSMH 17-402-51D
(SEE SHEET 24)

2 HILLCREST CT



46 ROANOKE RD
SSMH 17-403-A9A
(SEE SHEET 21)



46 ROANOKE RD
SSMH 17-403-A9A
(SEE SHEET 21)



6768 MANOR CREST
SSMH 17-403-07A
(SEE SHEET 21)



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SUPERVISING ENGINEER _____ EXP. _____
APPROVED: _____ DATE _____
CITY ENGINEER _____ EXP. _____

DESIGN _____ JD _____
DRAWN _____ DC _____
CHECK _____ JD _____
AS BUILT _____ DATE 12/12/25

CITY OF BERKELEY
DEPARTMENT OF PUBLIC WORKS

SANITARY SEWER REHABILITATION
AND REPLACEMENT PROJECT
EXISTING CONDITIONS
CLAREMONT AVENUE, HILLCREST CT
ROANOKE RD, MANOR CREST

PLAN 8301
FILE 502-726
C4.01
SHEET 32 OF 32

REVISION	MARK	DATE	DESCRIPTION	APPROVAL