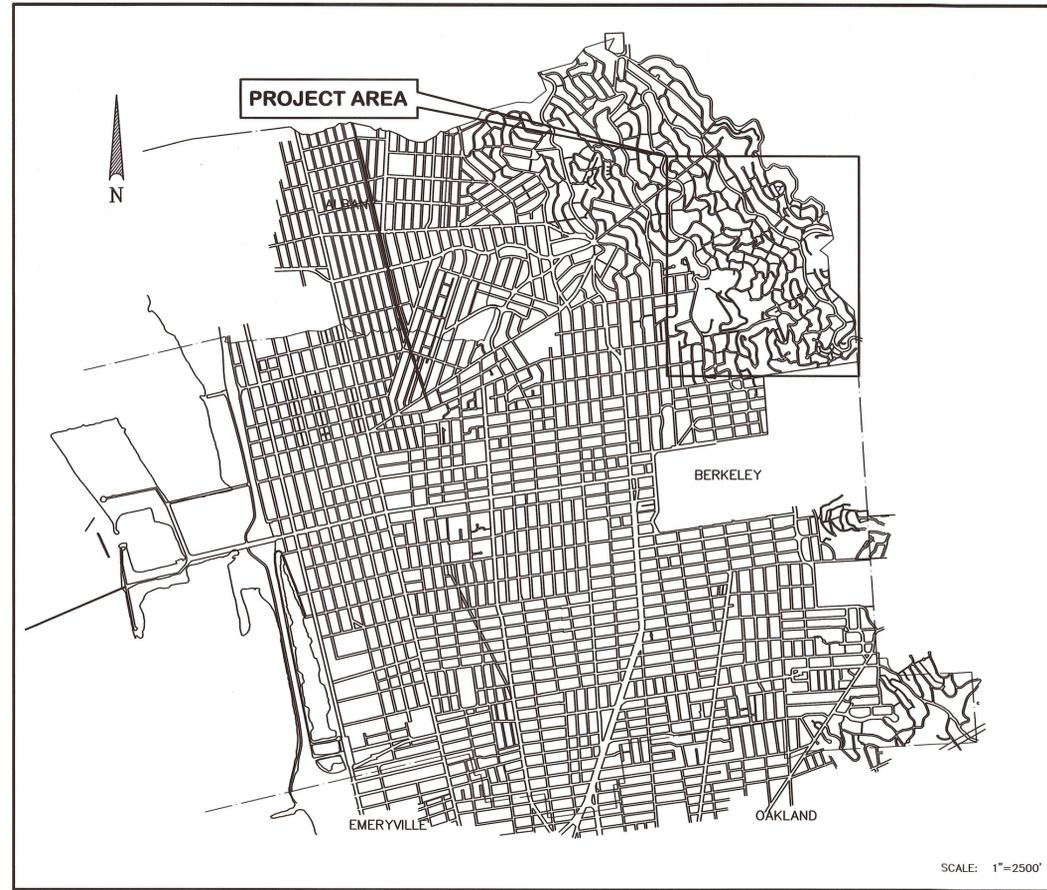


CITY OF BERKELEY, CALIFORNIA

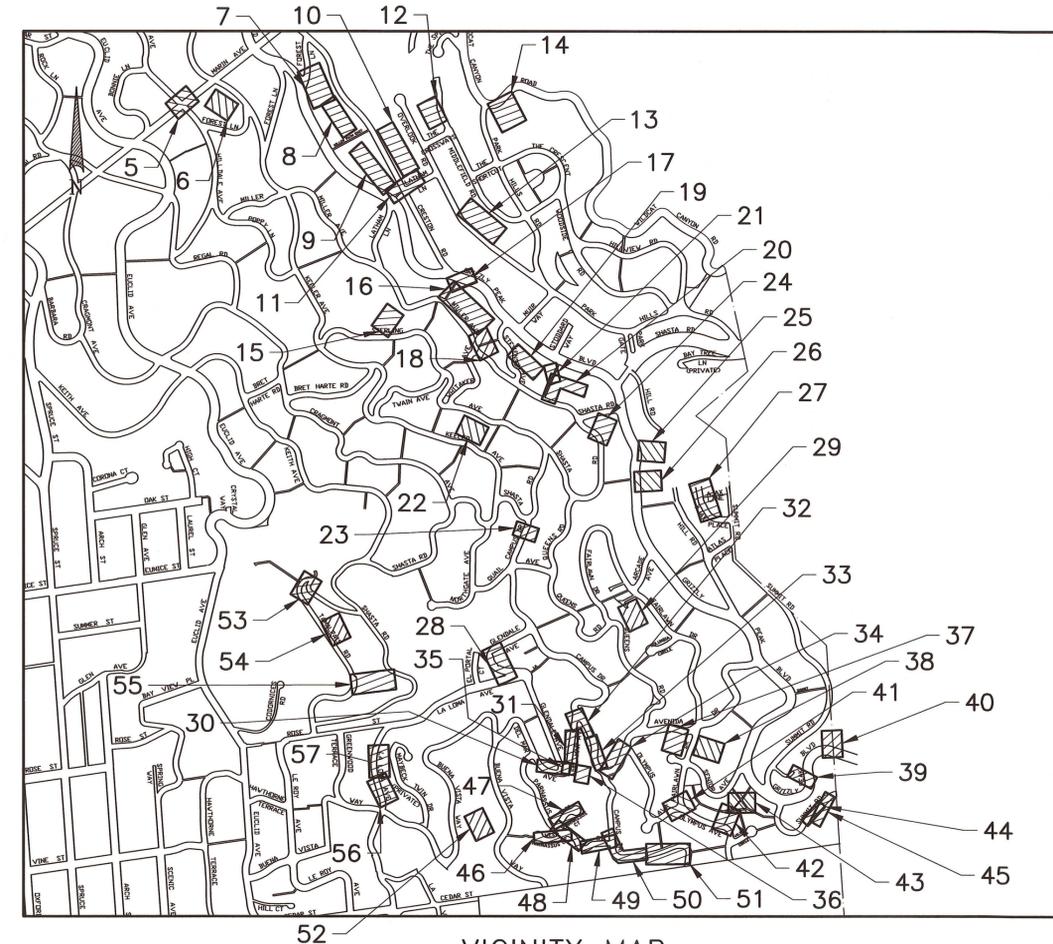
SANITARY SEWER REHABILITATION AND REPLACEMENT

PARNASSUS ROAD, ET AL.

SPECIFICATION NO. 23-11548-C



LOCATION MAP



VICINITY MAP

INDEX OF DRAWINGS

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2.	ABBREVIATIONS, LEGEND, GENERAL NOTES	20.	1169 MILLER AVE	36.	1462 CAMPUS DR	53.	149 TAMALPIAS RD
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15.	1079 STERLING AVE	33.	CAMPUS DR - 2	49.	PARNASSUS RD - 2		
16.	1101 MILLER AVE	34.	CAMPUS DR - 3	50.	CAMPUS DR - 1		
17.	1100 GRIZZLY PEAK BLVD			51.	CAMPUS DR - 2		
18.	1129 MILLER AVE						



11/1/2022

PROJECT MANAGER: <i>John D. Kelly</i>	DATE: <i>8 Nov 22</i>	DEPICTION OF MONUMENTS:	DATE:	SUBMITTED: <i>John D. Kelly</i>	DATE: <i>8 NOV 22</i>	DESIGN: SMG	HORIZ. 1"=20'	CITY OF BERKELEY DEPARTMENT OF PUBLIC WORKS	SANITARY SEWER REHABILITATION AND REPLACEMENT PARNASSUS ROAD, ET AL. TITLE, VICINITY MAP, LOCATION MAP AND INDEX OF DRAWINGS	PLAN 8265 FILE 502-713 SHEET 1 OF 58
WATERSHED REVIEW: <i>Paul J. Sidel</i>	DATE: <i>11/3/22</i>	SURVEY CHIEF OF PARTY:	DATE: <i>11/3/22</i>	SUPERVISING CIVIL ENGINEER: <i>John D. Kelly</i>	DATE: <i>11-3-22</i>	DRAWN: MC	VERT. 1"=5'			
FOR REDUCED PLANS - ORIGINAL SCALE IS IN INCHES		APPROVED: <i>John D. Kelly</i>		DATE: <i>11-3-22</i>		CHECK: ALB	BOOK:	WEST YOST Water. Engineered.		
		CITY ENGINEER		R.C.E. N/A		AS BUILT:	DATE: <i>10/31/22</i>			

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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) 642-2444 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 MAINTENANCE HOLE 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 ON 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 303-9.1 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 RECOMPACTED, 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 MAINTENANCE HOLE 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 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. PRIVATE PROPERTY, AS REFERENCED HEREIN REFERS TO ALL LOCATIONS OUTSIDE RIGHT-OF-WAY. THIS INCLUDES PEDESTRIAN PATHS.

ABBREVIATIONS

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



11/1/2022

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PROJECT MANAGER: _____ DATE _____	DEPICTION OF MONUMENTS: _____ DATE _____	SUBMITTED: _____ DATE _____ R.C.E. N/A EXP. N/A	DESIGN: _____ SMG	HORIZ. 1"=20'	PLAN 8265
	SURVEY CHIEF OF PARTY _____ DATE _____	SUPERVISING CIVIL ENGINEER _____ DATE _____ R.C.E. N/A EXP. N/A	DRAWN: _____ MC	VERT. 1"=5'	FILE 502-713
0 1 2 3 FOR REDUCED PLANS - ORIGINAL SCALE IS IN INCHES	WATERSHED REVIEW: _____ DATE _____	APPROVED: _____ DATE _____ R.C.E. N/A EXP. N/A	CHECK: _____ ALB	BOOK _____	REVISION _____
	CITY ENGINEER _____	CITY ENGINEER _____	AS BUILT _____	DATE 10/31/22	MARK _____



CITY OF BERKELEY
DEPARTMENT OF PUBLIC WORKS

SANITARY SEWER REHABILITATION AND REPLACEMENT
EUCIID AVENUE, GRIZZLY PEAK BOULEVARD, ET AL.
ABBREVIATIONS, LEGEND AND GENERAL NOTES

SHEET 2 OF 58

**2582 MARIN AVE & 95 FOREST LN
SURVEY CONTROL POINTS**

CONTROL DATA (U.S. SURVEY FOOT)

-HORIZONTAL & VERTICAL CONTROL PROVIDED BY THE CITY OF BERKELEY

DESIGNATION	NORTHING	EASTING	ELEVATION	DESCRIPTION
CITY MONUMENTS / CONTROL USED				
BERK RTK	2143893.4615	6050543.3349		BERKELEY RTK 2015 BASE STATION
CONTROL SET				
THE PROJECT SITE CALIBRATION WAS APPLIED TO ALL SET CONTROL.				
CP 6207	2148075.1800	6056521.1300	1003.175	CUT X
CP 6208	2149623.1340	6055130.1870	835.75	MAG
CP 6209	2153463.4110	6053064.6630	854.17	60D NAIL
CP 6210	2153455.1400	6053082.2710	853.55	60D NAIL

**1047 CRESTON RD
SURVEY CONTROL POINTS**

CONTROL DATA (U.S. SURVEY FOOT)

-HORIZONTAL & VERTICAL CONTROL PROVIDED BY THE CITY OF BERKELEY

DESIGNATION	NORTHING	EASTING	ELEVATION	DESCRIPTION
CITY MONUMENTS / CONTROL USED				
BERK RTK	2143893.4615	6050543.3349		BERKELEY RTK 2015 BASE STATION
CONTROL SET				
THE PROJECT SITE CALIBRATION WAS APPLIED TO ALL SET CONTROL.				
CP 6010	2152877.5680	6054562.7070	1064.02	MAG
CP 6011	2152914.0300	6054553.2490	1064.03	X TWP
CP 6012	2152949.5090	6054415.9960	1073.66	MAG
CP 6013	2152993.2000	6054391.8240	1076.11	MAG
CP 6014	2153089.3520	6054342.4530	1077.97	MAG
CP 6015	2153246.7770	6054254.7110	1089.70	MAG
CP 6016	2152991.5620	6054489.8030	1067.79	100D NAIL
CP 6017	2152987.4450	6054523.0310	1063.86	100D NAIL
CP 6018	2153005.4470	6054515.3380	1065.32	100D NAIL
CP 6019	2153043.1250	6054479.5890	1066.51	100D NAIL
CP 6020	2153117.1190	6054438.2610	1062.92	60D NAIL
CP 6021	2153104.3360	6054382.4130	1074.859	60D NAIL
CP 6022	2153136.6540	6054438.0820	1061.853	60D NAIL
CP 6023	2153177.2640	6054411.2790	1069.804	60D NAIL
CP 6024	2153235.1720	6054394.1160	1082.284	60D NAIL
CP 6025	2153302.9190	6054359.2400	1087.841	60D NAIL
CP 6026	2153269.7380	6054372.0500	1087.222	60D NAIL

**205 & 209 THE CROSSWAYS
SURVEY CONTROL POINTS**

CONTROL DATA (U.S. SURVEY FOOT)

-HORIZONTAL & VERTICAL CONTROL PROVIDED BY THE CITY OF BERKELEY

DESIGNATION	NORTHING	EASTING	ELEVATION	DESCRIPTION
CITY MONUMENTS / CONTROL USED				
BERK RTK	2143893.4615	6050543.3349		BERKELEY RTK 2015 BASE STATION
CONTROL SET				
THE PROJECT SITE CALIBRATION WAS APPLIED TO ALL SET CONTROL.				
CP 6027	2153259.8740	6054059.9130	1072.88	60D NAIL
CP 6028	2153224.4540	6054079.1940	1076.43	60D NAIL
CP 6029	2153209.6410	6054675.2930	1014.90	MAG
CP 6030	2153279.5260	6054638.9100	1016.86	X
CP 6031	2153339.1140	6054709.4210	1005.72	X
CP 6032	2153501.9900	6054688.0590	1014.47	60D NAIL

**1016 WILDCAT CANYON RD
SURVEY CONTROL POINTS**

CONTROL DATA (U.S. SURVEY FOOT)

-HORIZONTAL & VERTICAL CONTROL PROVIDED BY THE CITY OF BERKELEY

DESIGNATION	NORTHING	EASTING	ELEVATION	DESCRIPTION
CITY MONUMENTS / CONTROL USED				
BERK RTK	2143893.4615	6050543.3349		BERKELEY RTK 2015 BASE STATION
CONTROL SET				
THE PROJECT SITE CALIBRATION WAS APPLIED TO ALL SET CONTROL.				
CP 6033	2150949.2600	6056363.9300	1181.71	X
CP 6034	2152823.4990	6054354.4030	1040.27	60D NAIL
CP 6035	2153541.6910	6055680.4890	906.58	
CP 6036	2153548.3780	6055393.2010	901.98	100D NAIL

**54 TAMALPAIS RD
SURVEY CONTROL POINTS**

CONTROL DATA (U.S. SURVEY FOOT)

-HORIZONTAL & VERTICAL CONTROL PROVIDED BY THE CITY OF BERKELEY

DESIGNATION	NORTHING	EASTING	ELEVATION	DESCRIPTION
CITY MONUMENTS / CONTROL USED				
BERK RTK	2143893.4615	6050543.3349		BERKELEY RTK 2015 BASE STATION
CONTROL SET				
THE PROJECT SITE CALIBRATION WAS APPLIED TO ALL SET CONTROL.				
CP 6073	2149329.4180	6054387.8940	637.01	MAG
CP 6074	2150019.3980	6053743.7500	610.83	X
CP 6075	2149258.3810	6054079.3330	549.45	X
CP 6076	2149243.8130	6054164.2330	560.75	X
CP 6077	2149213.8520	6054206.7260	569.20	X
CP 6078	2149245.9090	6054276.7650	584.84	60D NAIL
CP 6079	2149260.9270	6054364.4390	598.05	60D NAIL
CP 6080	2149301.4210	6054399.7020	624.49	60D NAIL

**1079 STERLING AVE
SURVEY CONTROL POINTS**

CONTROL DATA (U.S. SURVEY FOOT)

-HORIZONTAL & VERTICAL CONTROL PROVIDED BY THE CITY OF BERKELEY

DESIGNATION	NORTHING	EASTING	ELEVATION	DESCRIPTION
CITY MONUMENTS / CONTROL USED				
BERK RTK	2143893.4615	6050543.3349		BERKELEY RTK 2015 BASE STATION
CONTROL SET				
THE PROJECT SITE CALIBRATION WAS APPLIED TO ALL SET CONTROL.				
CP 6043	2151836.398	6054306.612	940.139	SVCP 60d
CP 6044	2151947.497	6054309.033	955.364	SVCP 60d
CP 6045	2151965.533	6054361.138	970.508	SVCP 60d

**GLENDALE AVE & LA LOMA AVE
SURVEY CONTROL POINTS**

CONTROL DATA (U.S. SURVEY FOOT)

-HORIZONTAL & VERTICAL CONTROL PROVIDED BY THE CITY OF BERKELEY

DESIGNATION	NORTHING	EASTING	ELEVATION	DESCRIPTION
CITY MONUMENTS / CONTROL USED				
BERK RTK	2143893.4615	6050543.3349		BERKELEY RTK 2015 BASE STATION
CONTROL SET				
THE PROJECT SITE CALIBRATION WAS APPLIED TO ALL SET CONTROL.				
CP 6201	2149542.5150	6056581.7110	1100.66	60D NAIL
CP 6202	2149602.754	6056500.0110	1102.36	60D NAIL
CP 6203	2148586.1880	6055610.1090	920.56	MAG NAIL
CP 6204	2148709.7640	6055664.2800	931.39	MAG NAIL

**1471 TO 15 LA LOMA AVE
SURVEY CONTROL POINTS**

CONTROL DATA (U.S. SURVEY FOOT)

-HORIZONTAL & VERTICAL CONTROL PROVIDED BY THE CITY OF BERKELEY

DESIGNATION	NORTHING	EASTING	ELEVATION	DESCRIPTION
CITY MONUMENTS / CONTROL USED				
BERK RTK	2143893.4615	6050543.3349		BERKELEY RTK 2015 BASE STATION
CONTROL SET				
THE PROJECT SITE CALIBRATION WAS APPLIED TO ALL SET CONTROL.				
CP 6081	2148395.6270	6054326.2730	612.42	EBMUD
CP 6082	2148082.9970	6054204.6690	588.58	X
CP 6083	2148482.6450	6054308.4600	633.88	60D NAIL
CP 6084	2148531.6220	6054307.1830	650.87	60D NAIL
CP 6085	2148563.8920	6054283.8450	648.54	60D NAIL
CP 6086	2148670.0570	6054270.0370	663.31	60D NAIL
CP 6087	2148715.6420	6054293.6860	683.78	60D NAIL
CP 6088	2148784.1900	6054301.0030	688.73	60D NAIL
CP 6089	2148792.4640	6054251.2820	667.56	X

**1100 GRIZZLY PEAK BLVD
SURVEY CONTROL POINTS**

CONTROL DATA (U.S. SURVEY FOOT)

-HORIZONTAL & VERTICAL CONTROL PROVIDED BY THE CITY OF BERKELEY

DESIGNATION	NORTHING	EASTING	ELEVATION	DESCRIPTION
CITY MONUMENTS / CONTROL USED				
BERK RTK	2143893.4615	6050543.3349		BERKELEY RTK 2015 BASE STATION
CONTROL SET				
THE PROJECT SITE CALIBRATION WAS APPLIED TO ALL SET CONTROL.				
CP 6200	2152193.7970	6054856.5610	1052.18	CUT X

**173 FAIRLAWN RD
SURVEY CONTROL POINTS**

CONTROL DATA (U.S. SURVEY FOOT)

-HORIZONTAL & VERTICAL CONTROL PROVIDED BY THE CITY OF BERKELEY

DESIGNATION	NORTHING	EASTING	ELEVATION	DESCRIPTION
CITY MONUMENTS / CONTROL USED				
BERK RTK	2143893.4615	6050543.3349		BERKELEY RTK 2015 BASE STATION
CONTROL SET				
THE PROJECT SITE CALIBRATION WAS APPLIED TO ALL SET CONTROL.				
CP 6201	2149542.5150	6056581.7110	1100.66	60D NAIL
CP 6202	2149602.7540	6056500.0110	1102.36	60D NAIL

**GLENDALE AVE & DEL MAR AVE
SURVEY CONTROL POINTS**

CONTROL DATA (U.S. SURVEY FOOT)

-HORIZONTAL & VERTICAL CONTROL PROVIDED BY THE CITY OF BERKELEY

DESIGNATION	NORTHING	EASTING	ELEVATION	DESCRIPTION
CITY MONUMENTS / CONTROL USED				
BERK RTK	2143893.4615	6050543.3349		BERKELEY RTK 2015 BASE STATION
CONTROL SET				
THE PROJECT SITE CALIBRATION WAS APPLIED TO ALL SET CONTROL.				
CP 6067	2148536.5530	6055943.0230	1010.42	MAG
CP 6203	2148586.1880	6055610.1090	920.56	MAG NAIL
CP 6204	2148709.7640	6055664.2800	931.39	MAG NAIL

**249 FAIRLAWN DR
SURVEY CONTROL POINTS**

CONTROL DATA (U.S. SURVEY FOOT)

-HORIZONTAL & VERTICAL CONTROL PROVIDED BY THE CITY OF BERKELEY

DESIGNATION	NORTHING	EASTING	ELEVATION	DESCRIPTION
CITY MONUMENTS / CONTROL USED				
BERK RTK	2143893.4615	6050543.3349		BERKELEY RTK 2015 BASE STATION
CONTROL SET				
THE PROJECT SITE CALIBRATION WAS APPLIED TO ALL SET CONTROL.				
CP 6600	2148777.7750	6056673.0260	1131.80	60D NAIL

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PROJECT MANAGER: _____ DATE _____	DEPICTION OF MONUMENTS: _____ DATE _____	SUBMITTED: _____ DATE _____ R.C.E. N/A EXP. N/A	DESIGN: _____ SMG DRAWN: _____ MC CHECK: _____ ALB AS BUILT: _____	HORIZ. 1"=20' VERT. 1"=5' BOOK _____ DATE 10/31/22		CITY OF BERKELEY DEPARTMENT OF PUBLIC WORKS	SANITARY SEWER REHABILITATION AND REPLACEMENT PARNASSUS ROAD, ET AL. SURVEY CONTROL POINTS - TABLE 1	PLAN 8265
 FOR REDUCED PLANS - ORIGINAL SCALE IS IN INCHES	WATERSHED REVIEW: _____ DATE _____	APPROVED: _____ DATE _____ R.C.E. N/A EXP. N/A	CITY ENGINEER _____	REVISION _____				MARK _____



11/1/2022

1530 GRIZZLY PEAK BLVD SURVEY CONTROL POINTS

CONTROL DATA (U.S. SURVEY FOOT)

-HORIZONTAL & VERTICAL CONTROL PROVIDED BY THE CITY OF BERKELEY

DESIGNATION	NORTHING	EASTING	ELEVATION	DESCRIPTION
CITY MONUMENTS / CONTROL USED				
BERK RTK	2143893.4615	6050543.3349		BERKELEY RTK 2015 BASE STATION
CONTROL SET				
THE PROJECT SITE CALIBRATION WAS APPLIED TO ALL SET CONTROL.				
CP 6065	2148817.2640	6057615.7180	1265.40	100D NAIL
CP 6066	2148891.5220	6057610.6150	1274.11	100D NAIL
CP 6067	2148536.5530	6055943.0230	1010.42	MAG

10 SUMMIT LN SURVEY CONTROL POINTS

CONTROL DATA (U.S. SURVEY FOOT)

-HORIZONTAL & VERTICAL CONTROL PROVIDED BY THE CITY OF BERKELEY

DESIGNATION	NORTHING	EASTING	ELEVATION	DESCRIPTION
CITY MONUMENTS / CONTROL USED				
BERK RTK	2143893.4615	6050543.3349		BERKELEY RTK 2015 BASE STATION
CONTROL SET				
THE PROJECT SITE CALIBRATION WAS APPLIED TO ALL SET CONTROL.				
CP 6609	2148592.8680	6057352.5410	1259.58	X
CP 6610	2148577.6710	6057385.0930	1255.37	X

SUMMIT ROAD SURVEY CONTROL POINTS

CONTROL DATA (U.S. SURVEY FOOT)

-HORIZONTAL & VERTICAL CONTROL PROVIDED BY THE CITY OF BERKELEY

DESIGNATION	NORTHING	EASTING	ELEVATION	DESCRIPTION
CITY MONUMENTS / CONTROL USED				
BERK RTK	2143893.4615	6050543.3349		BERKELEY RTK 2015 BASE STATION
CONTROL SET				
THE PROJECT SITE CALIBRATION WAS APPLIED TO ALL SET CONTROL.				

AJAX PLACE SURVEY CONTROL POINTS

CONTROL DATA (U.S. SURVEY FOOT)

-HORIZONTAL & VERTICAL CONTROL PROVIDED BY THE CITY OF BERKELEY

DESIGNATION	NORTHING	EASTING	ELEVATION	DESCRIPTION
CITY MONUMENTS / CONTROL USED				
BERK RTK	2143893.4615	6050543.3349		BERKELEY RTK 2015 BASE STATION
CONTROL SET				
THE PROJECT SITE CALIBRATION WAS APPLIED TO ALL SET CONTROL.				
CP 6049	2148798.3330	6056583.9400	1112.16	MAG
CP 6050	2148770.5790	6056709.9030	1142.08	60D NAIL
CP 6052	2150594.5200	6056627.8450	1239.47	MAG
CP 6053	2150506.9550	6056685.7870	1242.89	MAG

1565 OLYMPUS AVE SURVEY CONTROL POINTS

CONTROL DATA (U.S. SURVEY FOOT)

-HORIZONTAL & VERTICAL CONTROL PROVIDED BY THE CITY OF BERKELEY

DESIGNATION	NORTHING	EASTING	ELEVATION	DESCRIPTION
CITY MONUMENTS / CONTROL USED				
BERK RTK	2143893.4615	6050543.3349		BERKELEY RTK 2015 BASE STATION
CONTROL SET				
THE PROJECT SITE CALIBRATION WAS APPLIED TO ALL SET CONTROL.				
CP 6603	2148254.9900	6056869.5550	1137.23	60D NAIL & FEATHERS
CP 6604	2148326.5360	6056888.0620	1147.03	RAM
CP 6605	2148361.7910	6056909.2550	1159.90	60D NAIL
CP 6606	2148352.5000	6056961.2530	1166.62	60D NAIL & FEATHERS
CP 6607	2148350.0080	6056969.0560	1167.57	60D NAIL & FEATHERS
CP 6608	2148415.7530	6056918.4970	1166.98	X

3086 BUENA VISTA WAY SURVEY CONTROL POINTS

CONTROL DATA (U.S. SURVEY FOOT)

-HORIZONTAL & VERTICAL CONTROL PROVIDED BY THE CITY OF BERKELEY

DESIGNATION	NORTHING	EASTING	ELEVATION	DESCRIPTION
CITY MONUMENTS / CONTROL USED				
BERK RTK	2143893.4615	6050543.3349		BERKELEY RTK 2015 BASE STATION
CONTROL SET				
THE PROJECT SITE CALIBRATION WAS APPLIED TO ALL SET CONTROL.				
CP 6068	2148204.6900	6055110.2720	811.67	60D NAIL
CP 6069	2148244.0590	6055159.6120	834.09	MAG

2960 SHASTA ROAD SURVEY CONTROL POINTS

CONTROL DATA (U.S. SURVEY FOOT)

-HORIZONTAL & VERTICAL CONTROL PROVIDED BY THE CITY OF BERKELEY

DESIGNATION	NORTHING	EASTING	ELEVATION	DESCRIPTION
CITY MONUMENTS / CONTROL USED				
BERK RTK	2143893.4615	6050543.3349		BERKELEY RTK 2015 BASE STATION
CONTROL SET				
THE PROJECT SITE CALIBRATION WAS APPLIED TO ALL SET CONTROL.				
CP 6048	2151103.3360	6055962.0060	1044.14	X

FAIRLAWN DR & OLYMPUS AVE SURVEY CONTROL POINTS

CONTROL DATA (U.S. SURVEY FOOT)

-HORIZONTAL & VERTICAL CONTROL PROVIDED BY THE CITY OF BERKELEY

DESIGNATION	NORTHING	EASTING	ELEVATION	DESCRIPTION
CITY MONUMENTS / CONTROL USED				
BERK RTK	2143893.4615	6050543.3349		BERKELEY RTK 2015 BASE STATION
CONTROL SET				
THE PROJECT SITE CALIBRATION WAS APPLIED TO ALL SET CONTROL.				
CP 6050	2148770.5790	6056709.9030	1142.08	60D NAIL

1241 GRIZZLY PEAK BLVD SURVEY CONTROL POINTS

CONTROL DATA (U.S. SURVEY FOOT)

-HORIZONTAL & VERTICAL CONTROL PROVIDED BY THE CITY OF BERKELEY

DESIGNATION	NORTHING	EASTING	ELEVATION	DESCRIPTION
CITY MONUMENTS / CONTROL USED				
BERK RTK	2143893.4615	6050543.3349		BERKELEY RTK 2015 BASE STATION
CONTROL SET				
THE PROJECT SITE CALIBRATION WAS APPLIED TO ALL SET CONTROL.				
CP 6211	2150745.5120	6056277.0500	1131.64	60D NAIL
CP 6212	2150673.4660	6056298.1490	1131.99	60D NAIL

1231 GRIZZLY PEAK BLVD SURVEY CONTROL POINTS

CONTROL DATA (U.S. SURVEY FOOT)

-HORIZONTAL & VERTICAL CONTROL PROVIDED BY THE CITY OF BERKELEY

DESIGNATION	NORTHING	EASTING	ELEVATION	DESCRIPTION
CITY MONUMENTS / CONTROL USED				
BERK RTK	2143893.4615	6050543.3349		BERKELEY RTK 2015 BASE STATION
CONTROL SET				
THE PROJECT SITE CALIBRATION WAS APPLIED TO ALL SET CONTROL.				
CP 6008	2150980.5540	6056165.2800	1059.34	X
CP 6009	2150744.5150	6056141.3720	1069.87	X
CP 6033	2150949.2600	6056363.9300	1181.71	X
CP 6034	2152823.4990	6054354.4030	1040.27	60D NAIL
CP 6035	2153541.6910	6055680.4890	906.58	
CP 6036	2153548.3780	6055393.2010	901.98	100D NAIL



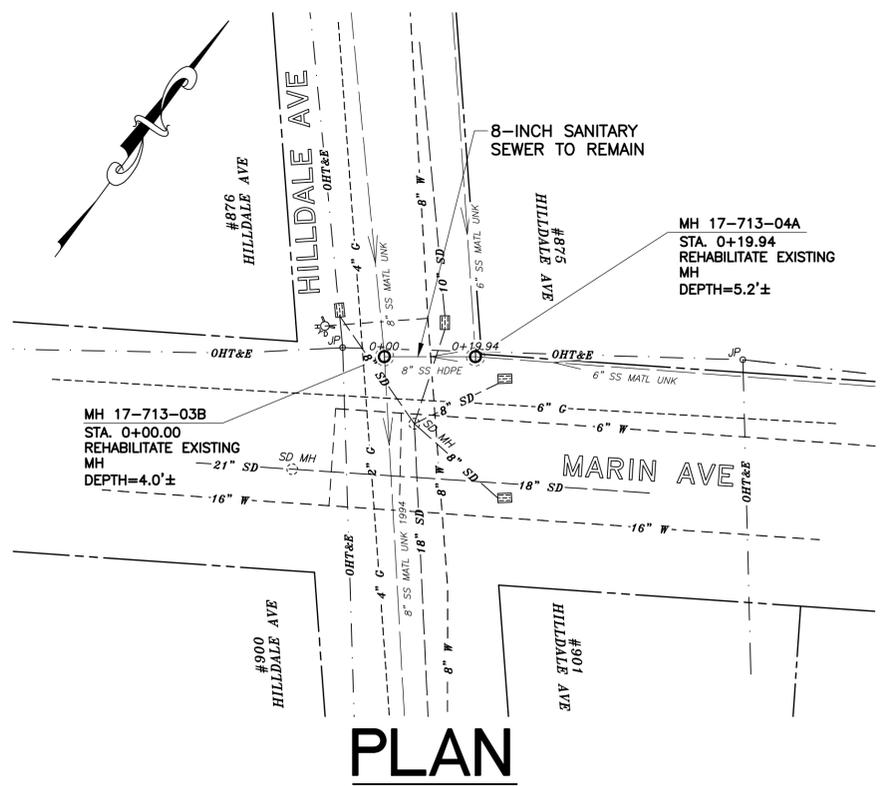
11/1/2022

PROJECT MANAGER: _____ DATE _____	DEPICTION OF MONUMENTS: _____ DATE _____	SUBMITTED: _____ DATE _____	DESIGN: <u>SMG</u>	HORIZ. <u>1"=20'</u>		CITY OF BERKELEY DEPARTMENT OF PUBLIC WORKS	SANITARY SEWER REHABILITATION AND REPLACEMENT PARNASSUS ROAD, ET AL. SURVEY CONTROL POINTS - TABLE 2	PLAN <u>8265</u>
_____	SURVEY CHIEF OF PARTY _____	SUPERVISING CIVIL ENGINEER _____	DRAWN <u>MC</u>	VERT. <u>1"=5'</u>				FILE <u>502-713</u>
0 1 2 3 FOR REDUCED PLANS - ORIGINAL SCALE IS IN INCHES	WATERSHED REVIEW: _____ DATE _____	APPROVED: _____ DATE _____	CHECK <u>ALB</u>	BOOK _____	SHEET <u>4</u> OF <u>58</u>			
	_____	CITY ENGINEER _____	AS BUILT _____	DATE <u>10/31/22</u>				

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APPROVAL	
DESCRIPTION	
DATE	
MARK	
REVISION	

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PLAN

SANITARY SEWER LAYOUT – MARIN AVE

STATION	NORTHING	EASTING	BEARING OR Δ	DISTANCE	DESCRIPTION
0+00.00	2153474.13'	6052823.66'	48°06'21"	19.94'	MH 17-713-03B
0+19.94	2153487.45'	6052838.51'	N/A	N/A	MH 17-713-04A

NOTES:

- FOR GENERAL NOTES SEE SHEET 2 OF THE PLANS.
- LOCATE, RECONSTRUCT, EXTEND, AND CONNECT ACTIVE LATERALS TO NEW SEWER MAIN. REMOVE EXISTING CLEANOUTS AND PROVIDE TWO-WAY CLEANOUTS WITH RISER, FRAME, CONCRETE COLLAR AND COVER.
- LOWER LATERALS SHALL BE HDPE SDR-17.
- RECONSTRUCT CITY MONUMENTS DISTURBED BY SEWER INSTALLATION. REFER TO STANDARD DETAIL PLAN NOS. 8090, 8091 AND 8179 OF THE SPECIFICATIONS, AS APPLICABLE.
- IN ACCORDANCE WITH SPECIAL CONDITION NO. 13 IN THE SPECIAL PROVISIONS, PRIOR TO PIPE-BURSTING, 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. 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.
- WORK SHOWN ON THIS SHEET IS LOCATED IN CITY OF BERKELEY FIRE ZONE 2 AND IS SUBJECT TO ALL WORK REQUIREMENTS AND RESTRICTIONS.



11/1/2022

FOR CITY USE ONLY
REFERENCE SEWER MAP NO.
410 (50)

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

SUBMITTED:	DATE	DESIGN:	SMG
SUPERVISING CIVIL ENGINEER:	R.C.E. N/A	DRAWN:	MC
APPROVED:	DATE	CHECK:	ALB
CITY ENGINEER:	R.C.E. N/A	AS BUILT:	

HORIZ.	1"=20'
VERT.	1"=5'
BOOK	
DATE	10/31/22



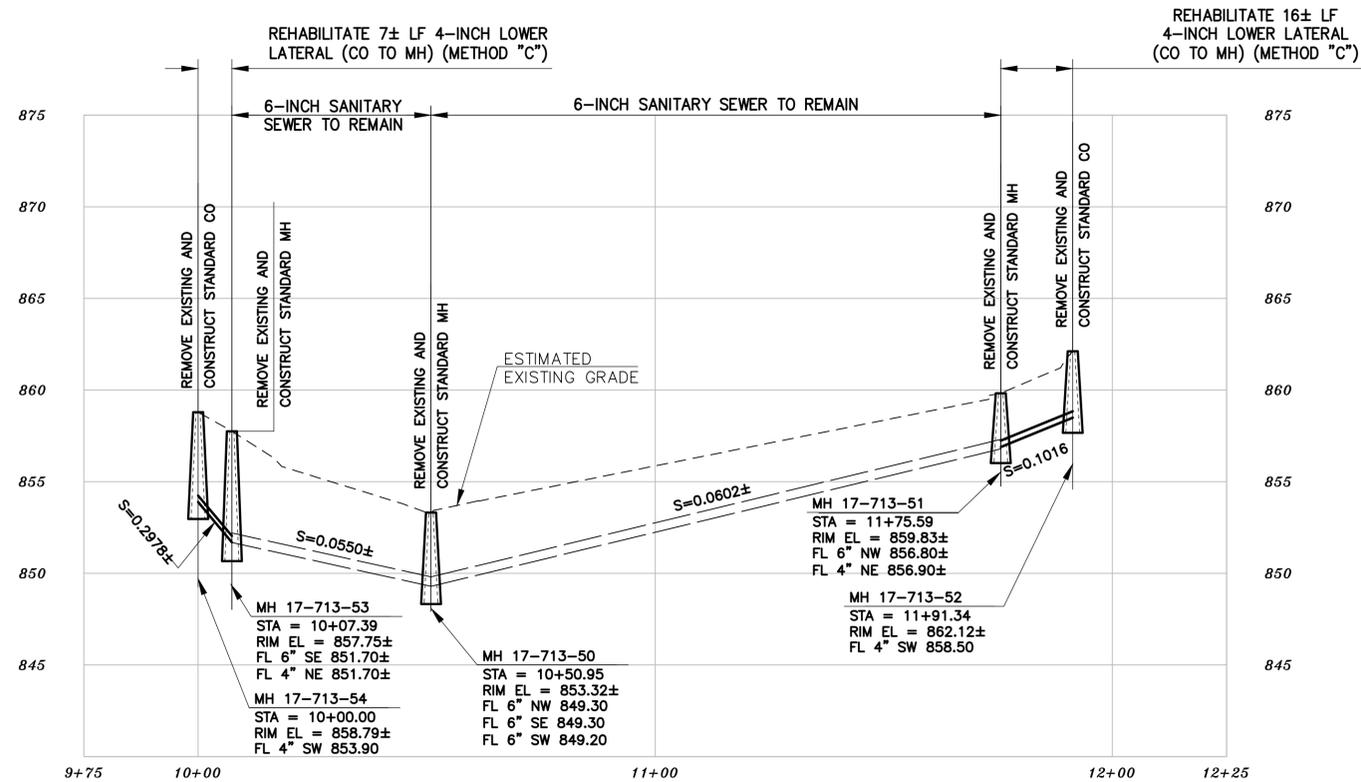
CITY OF BERKELEY
DEPARTMENT OF PUBLIC WORKS

**SANITARY SEWER REHABILITATION
MARIN AVE
PLAN**

PLAN	8265
FILE	502-713
SHEET	5 OF 58

REVISION	MARK	DATE	DESCRIPTION	APPROVAL

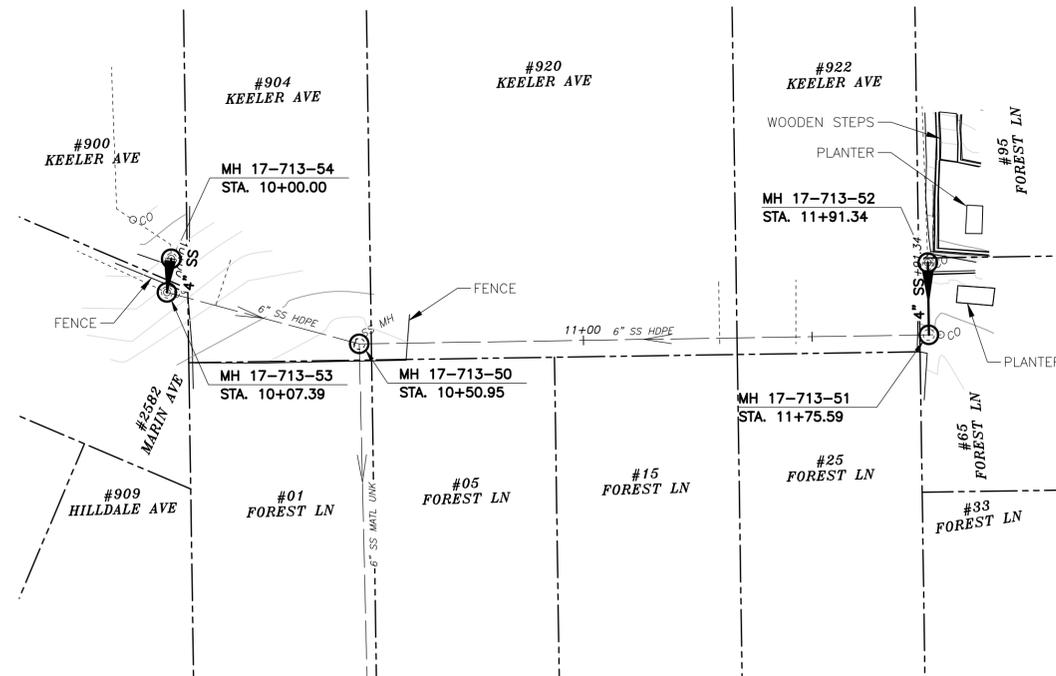
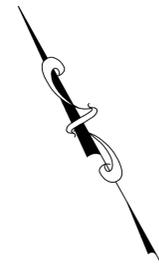
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PROFILE

NOTES:

- A. ONLY HAND EXCAVATION (METHOD "C") WILL BE ALLOWED FOR WORK LOCATED ON PRIVATE PROPERTY.



PLAN

NOTES:

- FOR GENERAL NOTES SEE SHEET 2 OF THE PLANS.
- LOCATE, RECONSTRUCT, EXTEND, AND CONNECT ACTIVE LATERALS TO NEW SEWER MAIN. REMOVE EXISTING CLEANOUTS AND PROVIDE TWO-WAY CLEANOUTS WITH RISER, FRAME, CONCRETE COLLAR AND COVER.
- LOWER LATERALS SHALL BE HDPE SDR-17.
- RECONSTRUCT CITY MONUMENTS DISTURBED BY SEWER INSTALLATION. REFER TO STANDARD DETAIL PLAN NOS. 8090, 8091 AND 8179 OF THE SPECIFICATIONS, AS APPLICABLE.
- IN ACCORDANCE WITH SPECIAL CONDITION NO. 13 IN THE SPECIAL PROVISIONS, PRIOR TO PIPE-BURSTING, 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. 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.
- WORK SHOWN ON THIS SHEET IS LOCATED IN CITY OF BERKELEY FIRE ZONE 2 AND IS SUBJECT TO ALL WORK REQUIREMENTS AND RESTRICTIONS.
- ALL DAMAGED/DISPLACED SURFACE FEATURES AND LANDSCAPING SHALL BE REPLACED IN KIND.

SANITARY SEWER LAYOUT – KEELER AVE BACKLINE

STATION	NORTHING	EASTING	BEARING OR Δ	DISTANCE	DESCRIPTION
10+00.00	2153488.62'	6053061.48'	S36°33'29"W	7.39'	MH 17-713-54
10+7.39	2153482.69'	6053057.08'	S45°58'19"E	43.65'	MH 17-713-53
10+50.95	2153452.41'	6053088.40'	S61°48'48"E	124.64'	MH 17-713-50
11+75.59±	2153393.54±	6053198.26±	N28°13'59"E	15.75±	MH 17-713-51
11+93.28±	2153407.42±	6053205.71±	N/A	N/A	MH 17-713-52

FOR CITY USE ONLY
REFERENCE SEWER MAP NO.
410 (50)

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

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

SUBMITTED: _____ DATE: _____
 R.C.E. N/A
 EXP. N/A
 SUPERVISING CIVIL ENGINEER: _____
 APPROVED: _____ DATE: _____
 R.C.E. N/A
 EXP. N/A
 CITY ENGINEER: _____

DESIGN: SMG
 DRAWN: MC
 CHECK: ALB
 AS BUILT: _____
 HORIZ. 1"=20'
 VERT. 1"=5'
 BOOK: _____
 DATE: 11/1/22



CITY OF BERKELEY
DEPARTMENT OF PUBLIC WORKS

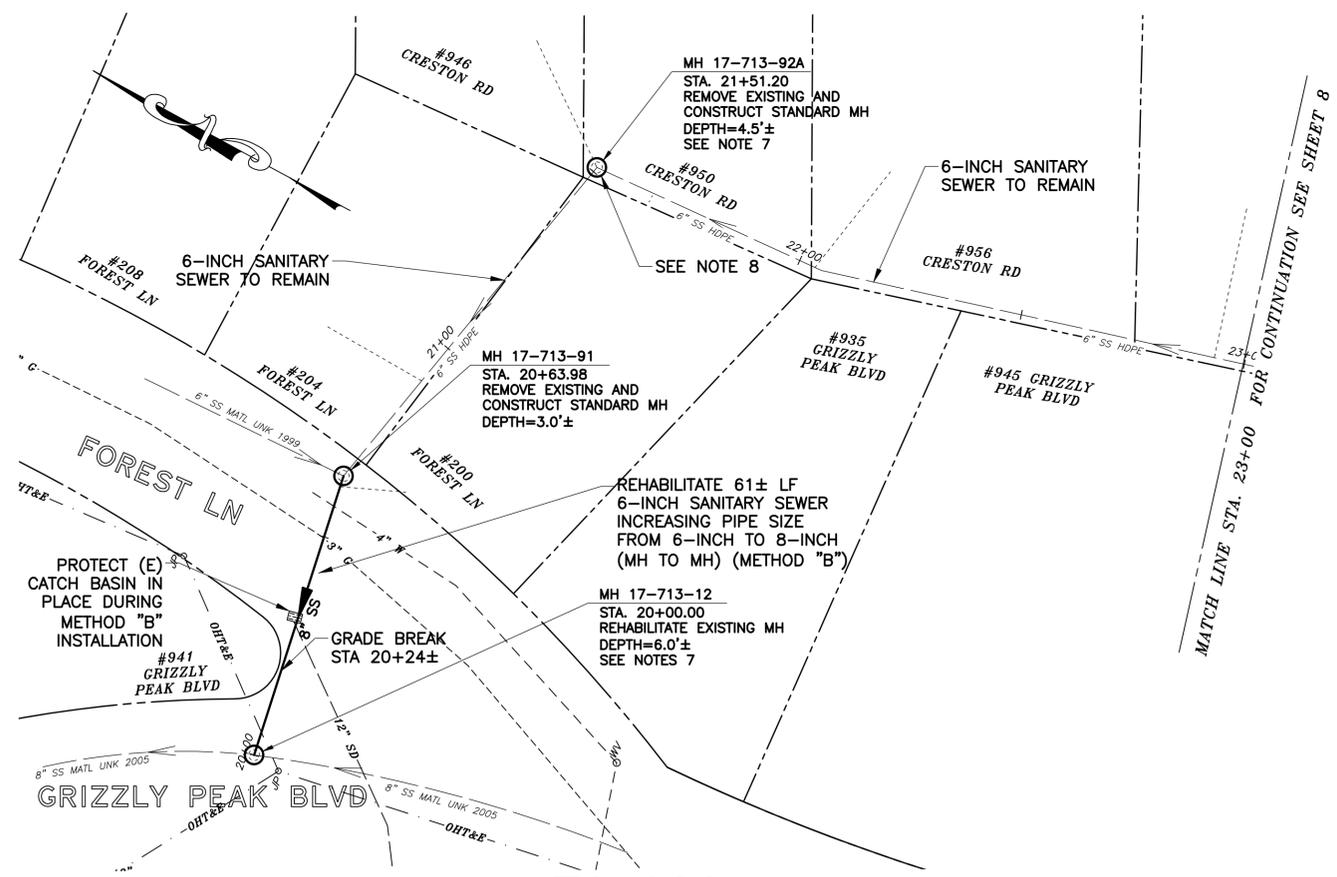
SANITARY SEWER REHABILITATION
900 KEELER AVE
PLAN AND PROFILE



11/1/2022

REVISION	MARK	DATE	DESCRIPTION	APPROVAL

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PLAN

- NOTES:**
- FOR GENERAL NOTES SEE SHEET 2 OF THE PLANS.
 - LOCATE, RECONSTRUCT, EXTEND, AND CONNECT ACTIVE LATERALS TO NEW SEWER MAIN. REMOVE EXISTING CLEANOUTS AND PROVIDE TWO-WAY CLEANOUTS WITH RISER, FRAME, CONCRETE COLLAR AND COVER.
 - LOWER LATERALS SHALL BE HDPE SDR-17.
 - RECONSTRUCT CITY MONUMENTS DISTURBED BY SEWER INSTALLATION. REFER TO STANDARD DETAIL PLAN NOS. 8090, 8091 AND 8179 OF THE SPECIFICATIONS, AS APPLICABLE.
 - IN ACCORDANCE WITH SPECIAL CONDITION NO. 13 IN THE SPECIAL PROVISIONS, PRIOR TO PIPE-BURSTING, 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. 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.
 - WORK SHOWN ON THIS SHEET IS LOCATED IN CITY OF BERKELEY FIRE ZONE 2 AND IS SUBJECT TO ALL WORK REQUIREMENTS AND RESTRICTIONS.
 - MH NOT SURVEYED. CONTRACTOR SHALL VERIFY RIM AND INVERT PRIOR TO ORDERING MH MATERIALS. ONLY HAND EXCAVATION (METHOD "C") IS PERMITTED TO REMOVE AND REPLACE MH.
 - ALL DAMAGED/DISPLACED SURFACE FEATURES AND LANDSCAPING SHALL BE REPLACED IN KIND.

SANITARY SEWER LAYOUT - GRIZZLY PEAK BACKLINE

STATION	NORTHING	EASTING	BEARING OR Δ	DISTANCE	DESCRIPTION
20+00.00	2153665.06'±	6053705.30'±	N80°44'04.15"E	63.98±'	MH 17-713-12
20+63.98	2153676.81'	6053768.20'	S78°55'22.67"E	87.22±'	MH 17-713-91
21+51.20	2153660.05'±	6053853.79'±	S3°48'25.15"E	54.08'	MH 17-713-92A
23+00.00	2153606.09'	6053857.38'	N15°54'03.61"W	97.89'	MATCHLINE



11/1/2022

FOR CITY USE ONLY
REFERENCE SEWER MAP NO.
409 (50)

PROJECT MANAGER:	DATE	DEPICTION OF MONUMENTS:	DATE
0 1 2 3		WATERSHED REVIEW:	
FOR REDUCED PLANS - ORIGINAL SCALE IS IN INCHES		DATE	

SUBMITTED:	DATE	DESIGN:	SMG
SUPERVISING CIVIL ENGINEER	R.C.E. N/A	DRAWN:	MC
APPROVED:	DATE	CHECK:	ALB
CITY ENGINEER	R.C.E. N/A	AS BUILT:	
	EXP. N/A	DATE:	10/31/22

DATE	10/31/22
R.C.E.	N/A
EXP.	N/A



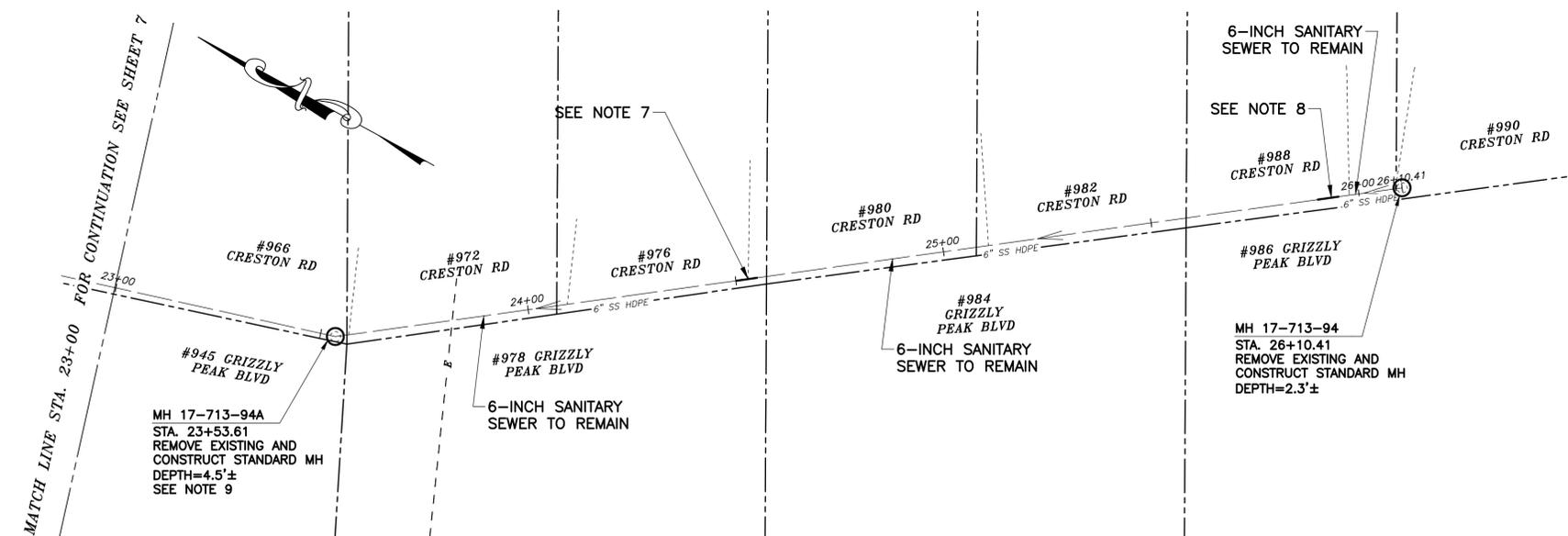
CITY OF BERKELEY
DEPARTMENT OF PUBLIC WORKS

SANITARY SEWER REHABILITATION
941 GRIZZLY PEAK BLVD - 1
PLAN AND PROFILE

PLAN 8265
FILE 502-713
SHEET 7 OF 58

APPROVAL	
DESCRIPTION	
DATE	
MARK	
REVISION	

N:\Clients\677 City of Berkeley\30-22-07 Parnassus Swr Rehab\CAD\Production\7-8 - 67730-2207_941 Grizzly Peak Blvd.dwg [941 GRIZZLY PEAK BLVD - 2] 10-31-22 03:54:33 PM sgreenwood



PLAN

SANITARY SEWER LAYOUT - GRIZZLY PEAK BACKLINE

STATION	NORTHING	EASTING	BEARING OR Δ	DISTANCE	DESCRIPTION
23+00.00	N/A	N/A	N15°54'03.61"W	53.61'	MATCHLINE
23+53.61	2153463.44'	6053898.02'	N36°18'09.59"W	96.50'	MH 17-713-94A
26+10.41	2153256.48'	6054050.06'	N/A	N/A	MH 17-713-94

NOTES:

- FOR GENERAL NOTES SEE SHEET 2 OF THE PLANS.
- LOCATE, RECONSTRUCT, EXTEND, AND CONNECT ACTIVE LATERALS TO NEW SEWER MAIN. REMOVE EXISTING CLEANOUTS AND PROVIDE TWO-WAY CLEANOUTS WITH RISER, FRAME, CONCRETE COLLAR AND COVER.
- LOWER LATERALS SHALL BE HDPE SDR-17.
- RECONSTRUCT CITY MONUMENTS DISTURBED BY SEWER INSTALLATION. REFER TO STANDARD DETAIL PLAN NOS. 8090, 8091 AND 8179 OF THE SPECIFICATIONS, AS APPLICABLE.
- IN ACCORDANCE WITH SPECIAL CONDITION NO. 13 IN THE SPECIAL PROVISIONS, PRIOR TO PIPE-BURSTING, 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. 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.
- WORK SHOWN ON THIS SHEET IS LOCATED IN CITY OF BERKELEY FIRE ZONE 2 AND IS SUBJECT TO ALL WORK REQUIREMENTS AND RESTRICTIONS.
- REPAIR SEPARATED JOINT 5± LF STA 24+54± TO 24+59± (METHOD "C").
- REPAIR CRACKED PIPE 5± LF STA 25+94± TO 25+99± (METHOD "C").
- MH NOT SURVEYED. CONTRACTOR SHALL VERIFY RIM AND INVERT PRIOR TO ORDERING MH MATERIALS.
- ONLY HAND EXCAVATION (METHOD "C") WILL BE ALLOWED FOR WORK LOCATED ON PRIVATE PROPERTY.
- ALL DAMAGED/DISPLACED SURFACE FEATURES AND LANDSCAPING SHALL BE REPLACED IN KIND.



11/1/2022

FOR CITY USE ONLY
REFERENCE SEWER MAP NO.
409 (50)

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

SUBMITTED:	DATE	DESIGN	SMG
R.C.E. N/A		DRAWN	MC
EXP. N/A		CHECK	ALB
SUPERVISING CIVIL ENGINEER		AS BUILT	
APPROVED:	DATE	HORIZ.	1"=20'
R.C.E. N/A		VERT.	1"=5'
EXP. N/A		BOOK	
CITY ENGINEER		DATE	10/31/22

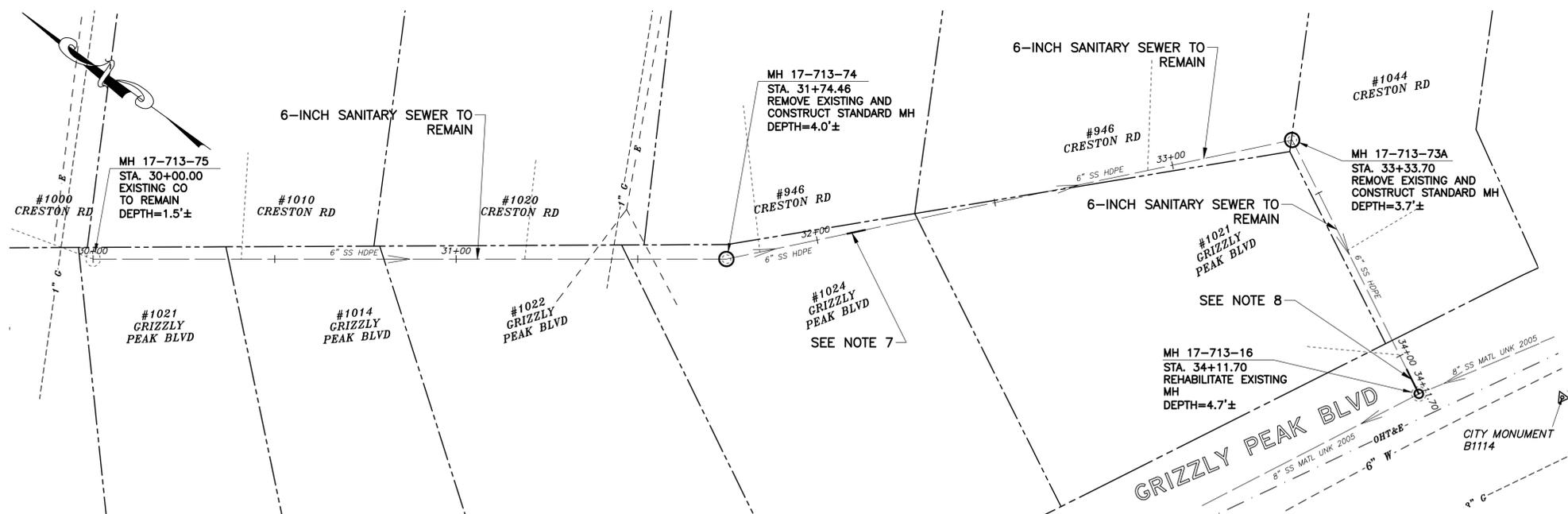


CITY OF BERKELEY DEPARTMENT OF PUBLIC WORKS
SANITARY SEWER REHABILITATION
941 GRIZZLY PEAK BLVD - 2
PLAN AND PROFILE

REVISION	MARK	DATE	DESCRIPTION	APPROVAL

PLAN 8265
FILE 502-713
SHEET 8 OF 58

N:\Clients\677 City of Berkeley\30-22-07 Parnassus Swr. Rehab\CAD\Production\9 - 67730-2207_1021 Grizzly Peak Blvd.dwg [1021 GRIZZLY PEAK BLVD] 10-31-22 03:54:56 PM sgreenwood



PLAN

SANITARY SEWER LAYOUT - GRIZZLY PEAK BACKLINE

STATION	NORTHING	EASTING	BEARING OR Δ	DISTANCE	DESCRIPTION
30+00.00	2153142.71±	6054125.93'±	S35°56'19.84"E	174.46'±	MH 17-713-75
31+74.46	2153001.45'±	6054228.33'±	S47°48'00.15E	32.50'	MH 17-713-74
33+33.70	2152894.49'	6054346.29'	S27°28'36"W	78.00'	MH 17-713-73A
34+11.70	2152825.29'	6054310.30'	N/A	N/A	MH 17-713-16

NOTES:

- FOR GENERAL NOTES SEE SHEET 2 OF THE PLANS.
- LOCATE, RECONSTRUCT, EXTEND, AND CONNECT ACTIVE LATERALS TO NEW SEWER MAIN. REMOVE EXISTING CLEANOUTS AND PROVIDE TWO-WAY CLEANOUTS WITH RISER, FRAME, CONCRETE COLLAR AND COVER.
- LOWER LATERALS SHALL BE HDPE SDR-17.
- RECONSTRUCT CITY MONUMENTS DISTURBED BY SEWER INSTALLATION. REFER TO STANDARD DETAIL PLAN NOS. 8090, 8091 AND 8179 OF THE SPECIFICATIONS, AS APPLICABLE.
- IN ACCORDANCE WITH SPECIAL CONDITION NO. 13 IN THE SPECIAL PROVISIONS, PRIOR TO PIPE-BURSTING, 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. 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.
- WORK SHOWN ON THIS SHEET IS LOCATED IN CITY OF BERKELEY FIRE ZONE 2 AND IS SUBJECT TO ALL WORK REQUIREMENTS AND RESTRICTIONS.
- REPAIR HOLE AND DEFORMED PIPE 5± LF STA 32+08 TO 32+13 (METHOD "C").
- REPAIR DEFORMED PIPE 5± LF STA 34+04± TO STA 34+10± (METHOD "C").
- MH NOT SURVEYED. CONTRACTOR SHALL VERIFY RIM AND INVERT PRIOR TO ORDERING MH MATERIALS. ONLY HAND EXCAVATION IS PERMITTED TO REMOVE AND REPLACE MH.
- ONLY HAND EXCAVATION (METHOD "C") WILL BE ALLOWED FOR WORK LOCATED ON PRIVATE PROPERTY.
- ALL DAMAGED/DISPLACED SURFACE FEATURES AND LANDSCAPING SHALL BE REPLACED IN KIND.



11/1/2022

FOR CITY USE ONLY
REFERENCE SEWER MAP NO.
408, 409 (50)

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

SUBMITTED:	DATE	DESIGN:	SMG
SUPERVISING CIVIL ENGINEER	R.C.E. N/A	DRAWN:	MC
APPROVED:	DATE	CHECK:	ALB
CITY ENGINEER	R.C.E. N/A	AS BUILT:	

HORIZ.:	1"=20'	DATE:	10/31/22
VERT.:	1"=5'		



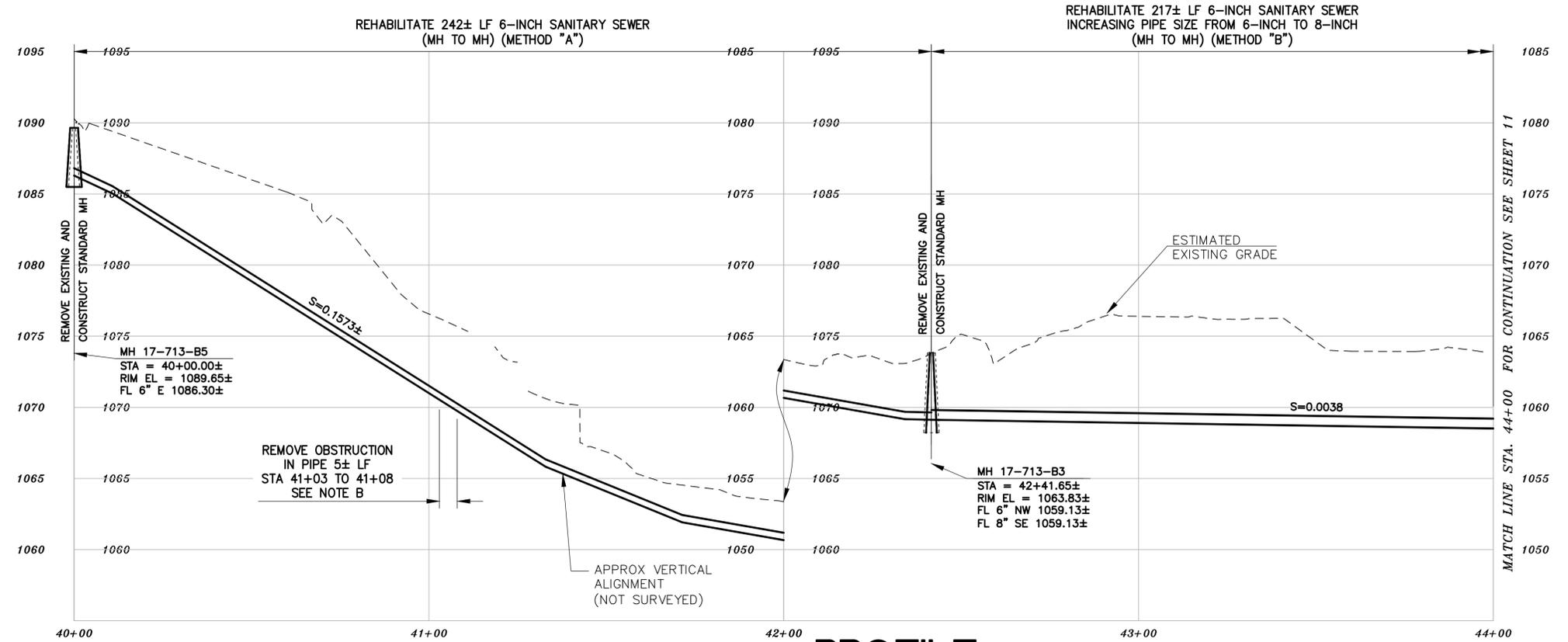
CITY OF BERKELEY
DEPARTMENT OF PUBLIC WORKS

SANITARY SEWER REHABILITATION
1021 GRIZZLY PEAK BLVD
PLAN AND PROFILE

PLAN 8265
FILE 502-713
SHEET 9 OF 58

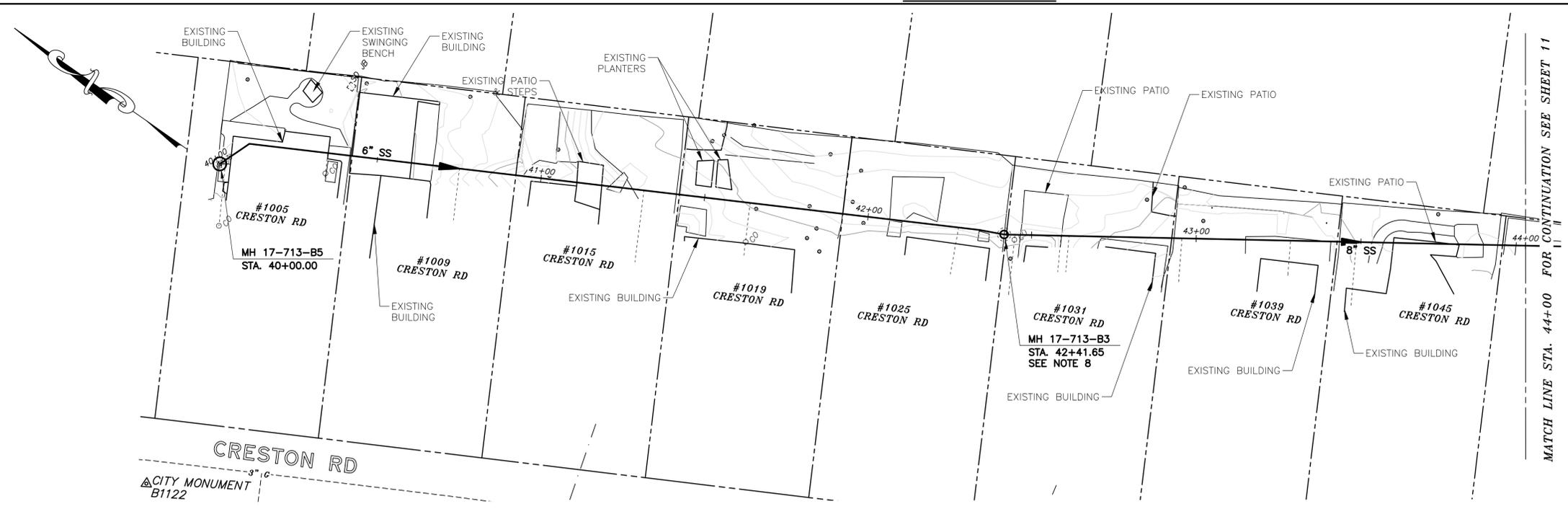
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DATE	
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REVISION	

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PROFILE

- NOTES:**
- A. FOR METHOD "B" CONSTRUCTION, CONTRACTOR TO VERIFY 5-FOOT MINIMUM RADIAL CLEARANCE WITH CRITICAL UTILITIES INCLUDING WATER AND GAS MAINS. VERIFY 5-FOOT MINIMUM HORIZONTAL CLEARANCE WITH BUILDINGS AND FOUNDATIONS. ONLY HAND EXCAVATION IS PERMITTED TO REINSTATE LATERALS ON PRIVATE PROPERTY.
 - B. PERFORM SPOT REPAIRS AT LOCATIONS SHOWN (METHOD "C"). ONLY HAND EXCAVATION TO REHABILITATE SEWER MAIN AND REINSTATE LATERALS IS PERMITTED FOR SEGMENTS LOCATED ON PRIVATE PROPERTY.



PLAN

- NOTES:**
1. FOR GENERAL NOTES SEE SHEET 2 OF THE PLANS.
 2. LOCATE, RECONSTRUCT, EXTEND, AND CONNECT ACTIVE LATERALS TO NEW SEWER MAIN. REMOVE EXISTING CLEANOUTS AND PROVIDE TWO-WAY CLEANOUTS WITH RISER, FRAME, CONCRETE COLLAR AND COVER.
 3. LOWER LATERALS SHALL BE HDPE SDR-17.
 4. RECONSTRUCT CITY MONUMENTS DISTURBED BY SEWER INSTALLATION. REFER TO STANDARD DETAIL PLAN NOS. 8090, 8091 AND 8179 OF THE SPECIFICATIONS, AS APPLICABLE.
 5. IN ACCORDANCE WITH SPECIAL CONDITION NO. 13 IN THE SPECIAL PROVISIONS, PRIOR TO PIPE-BURSTING, 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. 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.
 6. WORK SHOWN ON THIS SHEET IS LOCATED IN CITY OF BERKELEY FIRE ZONE 2 AND IS SUBJECT TO ALL WORK REQUIREMENTS AND RESTRICTIONS.
 7. ALL DAMAGED/DISPLACED SURFACE FEATURES AND LANDSCAPING SHALL BE REPLACED IN KIND.
 8. MH 17-713-63 WAS NOT SURVEYED AND IS LOCATED DIRECTLY BENEATH FENCE LINE. REMOVE AND REPLACE EXISTING FENCE IN KIND AS NECESSARY TO CONSTRUCT NEW MH. CONTRACTOR SHALL VERIFY RIM AND INVERT PRIOR TO ORDERING MH MATERIALS. ONLY HAND EXCAVATION (METHOD "C") IS PERMITTED TO REMOVE AND REPLACE MH.

SANITARY SEWER LAYOUT - CRESTON RD BACKLINE

STATION	NORTHING	EASTING	BEARING OR Δ	DISTANCE	DESCRIPTION
40+00.00	2153289.96'	6054333.24'	UNK	241.65±	MH 17-713-B5
42+41.65	2153082.56'	6054452.18'	N33°43'59.44"W	158.35'	MH 17-713-B3
44+00.00	TBD	TBD	TBD	TBD	MATCHLINE

FOR CITY USE ONLY
REFERENCE SEWER MAP NO.
408, 409 (50)

PROJECT MANAGER: _____ DATE _____	DEPICTION OF MONUMENTS: _____ DATE _____	SUBMITTED: _____ DATE _____	DESIGN: SMG	HORIZ. 1"=20'
_____	_____	R.C.E. N/A	DRAWN: MC	VERT. 1"=5'
_____	_____	EXP. N/A	CHECK: ALB	BOOK: _____
_____	_____	_____	AS BUILT: _____	DATE: 10/31/22
_____	_____	_____	_____	_____



CITY OF BERKELEY
DEPARTMENT OF PUBLIC WORKS

SANITARY SEWER REHABILITATION
1005 CRESTON RD
PLAN AND PROFILE

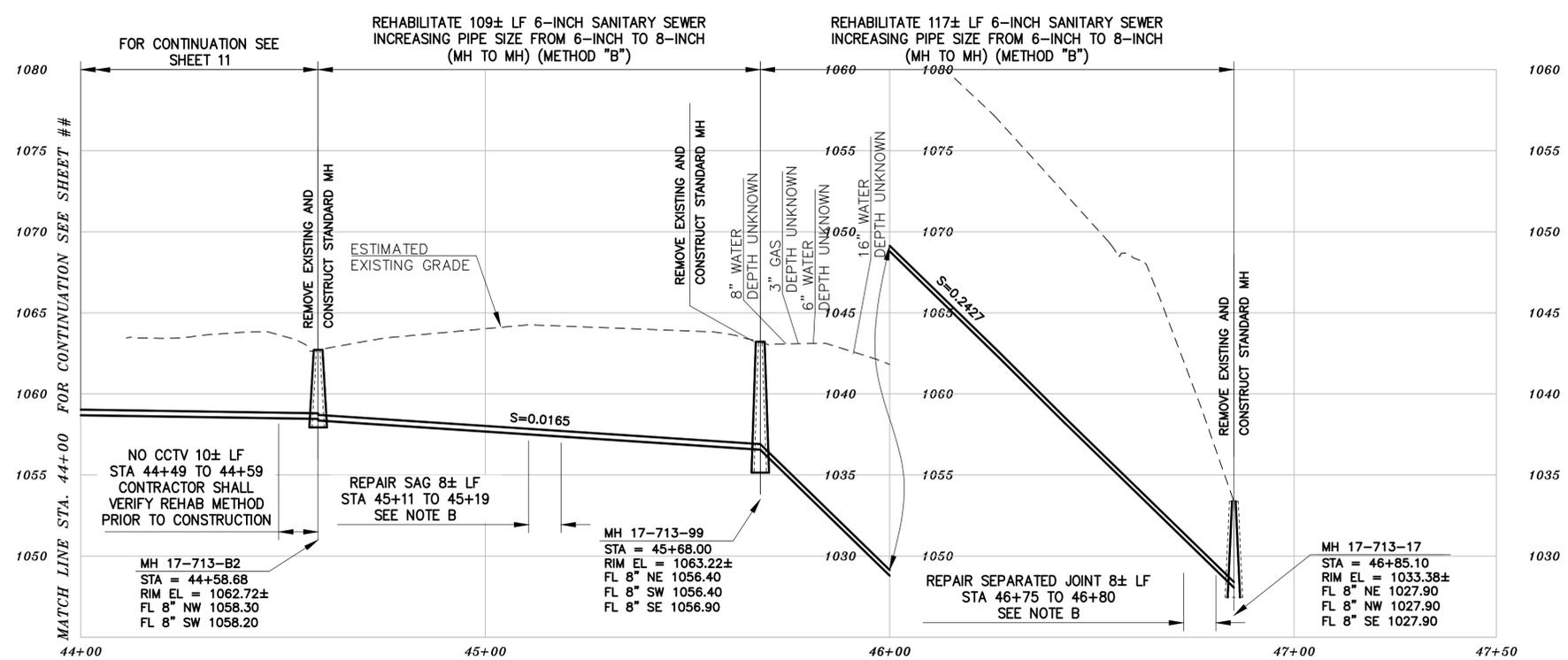
PLAN 8265
FILE 502-713
SHEET 10 OF 58



11/1/2022

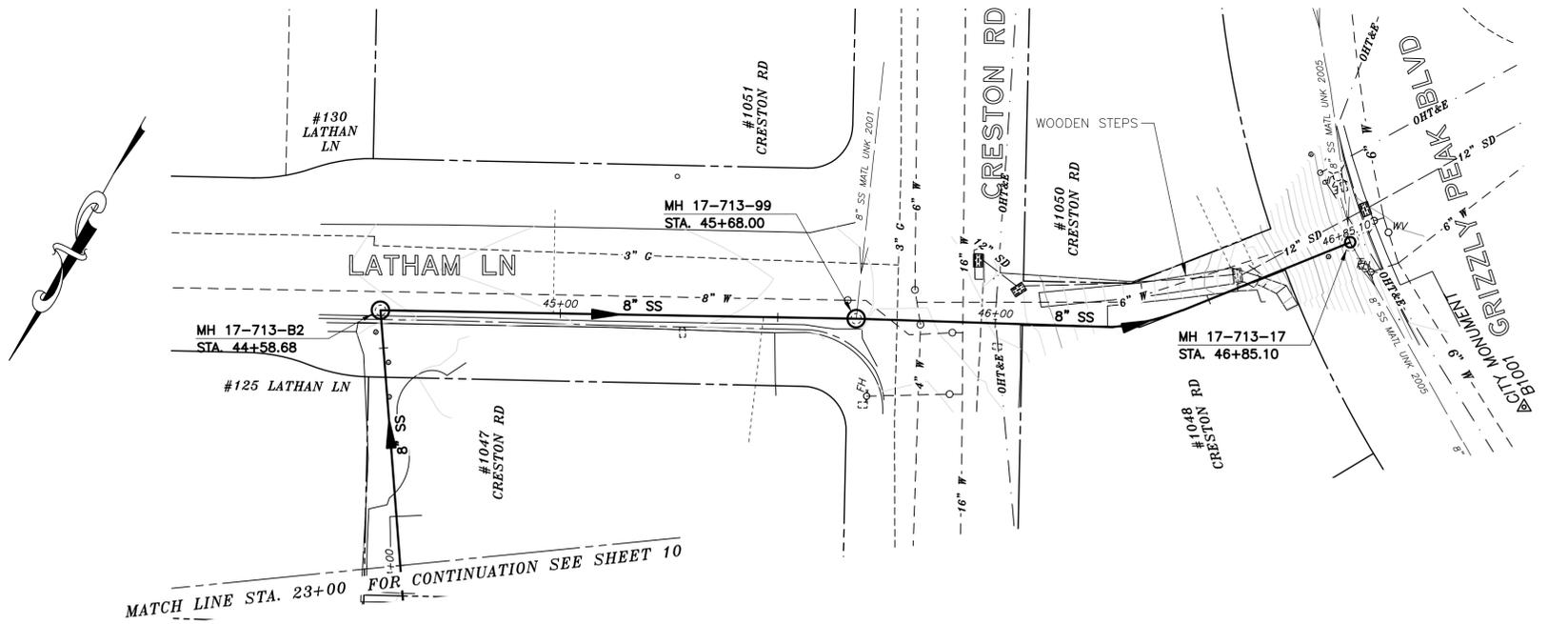
APPROVAL	
DESCRIPTION	
DATE	
MARK	
REVISION	

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PROFILE

- NOTES:**
- A. FOR METHOD "B" CONSTRUCTION, CONTRACTOR TO VERIFY 5-FOOT MINIMUM RADIAL CLEARANCE WITH CRITICAL UTILITIES INCLUDING WATER AND GAS MAINS. VERIFY 5-FOOT MINIMUM HORIZONTAL CLEARANCE WITH BUILDINGS AND FOUNDATIONS. ONLY HAND EXCAVATION IS PERMITTED TO REINSTATE LATERALS ON PRIVATE PROPERTY.
 - B. PERFORM SPOT REPAIRS AT LOCATIONS SHOWN (METHOD "C"). ONLY HAND EXCAVATION TO REHABILITATE SEWER MAIN AND REINSTATE LATERALS IS PERMITTED FOR SEGMENTS LOCATED ON PRIVATE PROPERTY.



PLAN

- NOTES:**
1. FOR GENERAL NOTES SEE SHEET 2 OF THE PLANS.
 2. LOCATE, RECONSTRUCT, EXTEND, AND CONNECT ACTIVE LATERALS TO NEW SEWER MAIN. REMOVE EXISTING CLEANOUTS AND PROVIDE TWO-WAY CLEANOUTS WITH RISER, FRAME, CONCRETE COLLAR AND COVER.
 3. LOWER LATERALS SHALL BE HDPE SDR-17.
 4. RECONSTRUCT CITY MONUMENTS DISTURBED BY SEWER INSTALLATION. REFER TO STANDARD DETAIL PLAN NOS. 8090, 8091 AND 8179 OF THE SPECIFICATIONS, AS APPLICABLE.
 5. IN ACCORDANCE WITH SPECIAL CONDITION NO. 13 IN THE SPECIAL PROVISIONS, PRIOR TO PIPE-BURSTING, 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. 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.
 6. WORK SHOWN ON THIS SHEET IS LOCATED IN CITY OF BERKELEY FIRE ZONE 2 AND IS SUBJECT TO ALL WORK REQUIREMENTS AND RESTRICTIONS.
 7. ALL DAMAGED/DISPLACED SURFACE FEATURES AND LANDSCAPING SHALL BE REPLACED IN KIND.

SANITARY SEWER LAYOUT - LATHAM LN

STATION	NORTHING	EASTING	BEARING OR Δ	DISTANCE	DESCRIPTION
44+00.00	TBD	TBD	TBD	TBD	MATCHLINE
44+58.68	2152902.08'	6054572.69'	S61°42'23"W	109.32'	MH 17-713-B2
45+68.00	2152850.26'	6054476.44'	UNK	117.11'	MH 17-713-99
46+85.10	2152779.41'	6054386.01'	N/A	N/A	MH 17-713-17

FOR CITY USE ONLY
REFERENCE SEWER MAP NO.
408, 409 (50)

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

DEPICTION OF MONUMENTS: _____ DATE _____
CITY ENGINEER: _____ DATE _____

SUBMITTED: _____ DATE _____
SUPERVISING CIVIL ENGINEER: _____ DATE _____
APPROVED: _____ DATE _____

DESIGN: SMG
DRAWN: MC
CHECK: ALB
AS BUILT: _____

HORIZ. 1"=20'
VERT. 1"=5'
BOOK: _____
DATE: 10/31/22



CITY OF BERKELEY
DEPARTMENT OF PUBLIC WORKS

SANITARY SEWER REHABILITATION
LATHAM LN
PLAN AND PROFILE



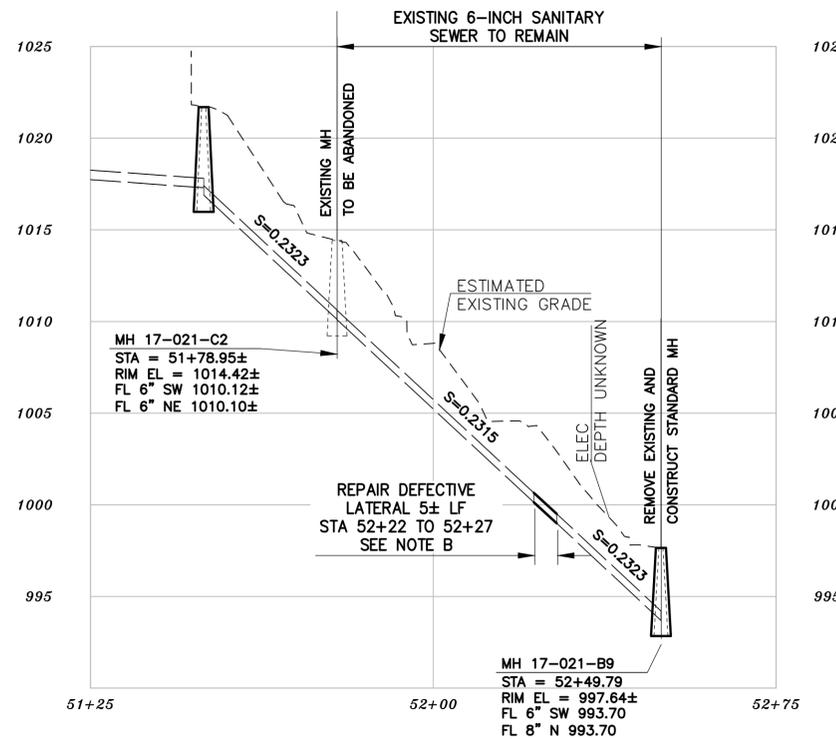
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PLAN 8265
FILE 502-713
SHEET 11 OF 58

REVISION	MARK	DATE	DESCRIPTION	APPROVAL

NOTES:

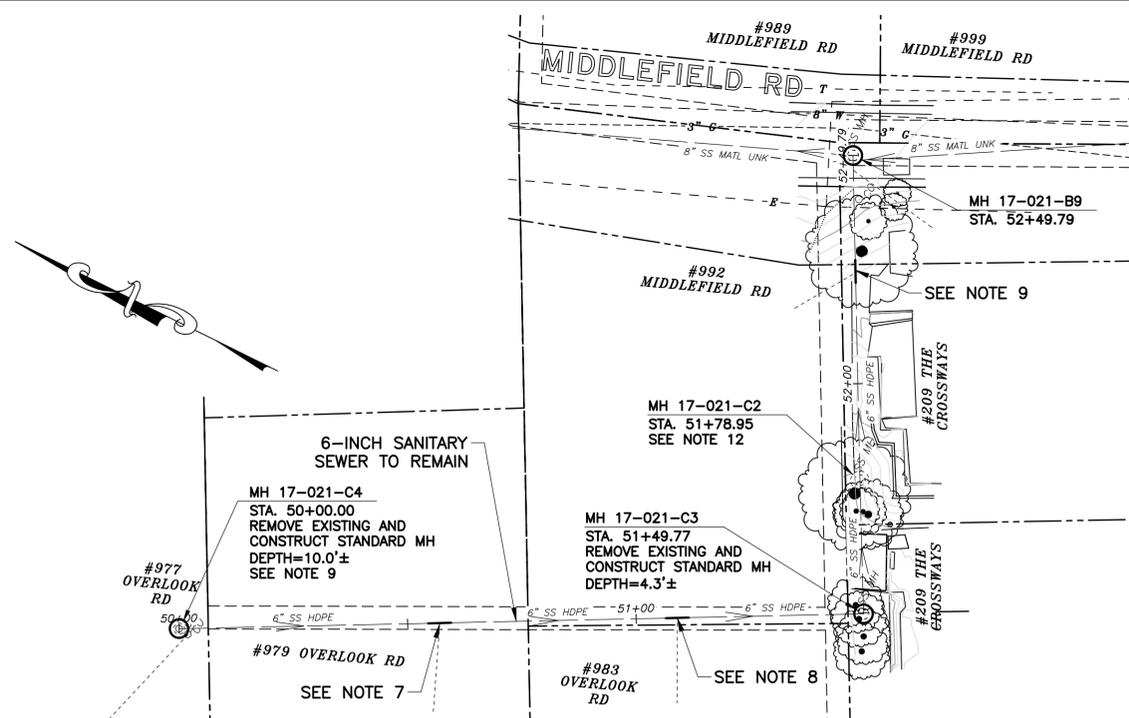
- A. FOR METHOD "B" CONSTRUCTION, CONTRACTOR TO VERIFY 5-FOOT MINIMUM RADIAL CLEARANCE WITH CRITICAL UTILITIES INCLUDING WATER AND GAS MAINS. VERIFY 5-FOOT MINIMUM HORIZONTAL CLEARANCE WITH BUILDINGS AND FOUNDATIONS. ONLY HAND EXCAVATION IS PERMITTED TO REINSTATE LATERALS ON PRIVATE PROPERTY.
- B. PERFORM SPOT REPAIRS AT LOCATIONS SHOWN (METHOD "C"). ONLY HAND EXCAVATION TO REHABILITATE SEWER MAIN AND REINSTATE LATERALS IS PERMITTED FOR SEGMENTS LOCATED ON PRIVATE PROPERTY.



PROFILE

NOTES:

- 1. FOR GENERAL NOTES SEE SHEET 2 OF THE PLANS.
- 2. LOCATE, RECONSTRUCT, EXTEND, AND CONNECT ACTIVE LATERALS TO NEW SEWER MAIN. REMOVE EXISTING CLEANOUTS AND PROVIDE TWO-WAY CLEANOUTS WITH RISER, FRAME, CONCRETE COLLAR AND COVER.
- 3. LOWER LATERALS SHALL BE HDPE SDR-17.
- 4. RECONSTRUCT CITY MONUMENTS DISTURBED BY SEWER INSTALLATION. REFER TO STANDARD DETAIL PLAN NOS. 8090, 8091 AND 8179 OF THE SPECIFICATIONS, AS APPLICABLE.
- 5. IN ACCORDANCE WITH SPECIAL CONDITION NO. 13 IN THE SPECIAL PROVISIONS, PRIOR TO PIPE-BURSTING, 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. 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.
- 6. WORK SHOWN ON THIS SHEET IS LOCATED IN CITY OF BERKELEY FIRE ZONE 2 AND IS SUBJECT TO ALL WORK REQUIREMENTS AND RESTRICTIONS.
- 7. REPAIR DEFECTIVE LATERAL 5± LF STA 50+55± TO 50+60± (METHOD "C").
- 8. REPAIR DEFECTIVE LATERAL 5± LF STA 51+07± TO 51+12± (METHOD "C").
- 9. REPAIR DEFECTIVE LATERAL 5± LF STA 52+22± TO 52+27± (METHOD "C").
- 10. MH NOT SURVEYED. CONTRACTOR SHALL VERIFY RIM AND INVERT PRIOR TO ORDERING MH MATERIALS. ONLY HAND EXCAVATION (METHOD "C") IS PERMITTED TO REMOVE AND REPLACE MH.
- 11. ALL DAMAGED/DISPLACED SURFACE FEATURES AND LANDSCAPING SHALL BE REPLACED IN KIND.
- 12. ABANDON MH 17-602-C2 IN PLACE PER SPECIFICATIONS.



PLAN

SANITARY SEWER LAYOUT - 977 OVERLOOK RD BACKLINE

STATION	NORTHING	EASTING	BEARING OR Δ	DISTANCE	DESCRIPTION
50+00.00	2153454.65'	6054588.08'	27°40'15.95"	148.83'	MH 17-021-C4
51+79.09	2153336.43'	6054683.02'	63°34'03.07"	61.22'	MH 17-021-C2
52+49.79	2153369.04'	6054745.91'	62°35'22.77"	70.70'	MH 17-021-B9

FOR CITY USE ONLY
REFERENCE SEWER MAP NO.
468 (50)

PROJECT MANAGER: _____ DATE _____	DEPICTION OF MONUMENTS: _____ DATE _____	SUBMITTED: _____ DATE _____	DESIGN: SMG	HORIZ. 1"=20'
_____	_____	R.C.E. N/A	DRAWN: MC	VERT. 1"=5'
_____	_____	EXP. N/A	CHECK: ALB	BOOK: _____
_____	_____	_____	AS BUILT: _____	DATE: 10/31/22



CITY OF BERKELEY
DEPARTMENT OF PUBLIC WORKS

SANITARY SEWER REHABILITATION
977 OVERLOOK RD
PLAN AND PROFILE

PLAN 8265
FILE 502-713
SHEET 12 OF 58

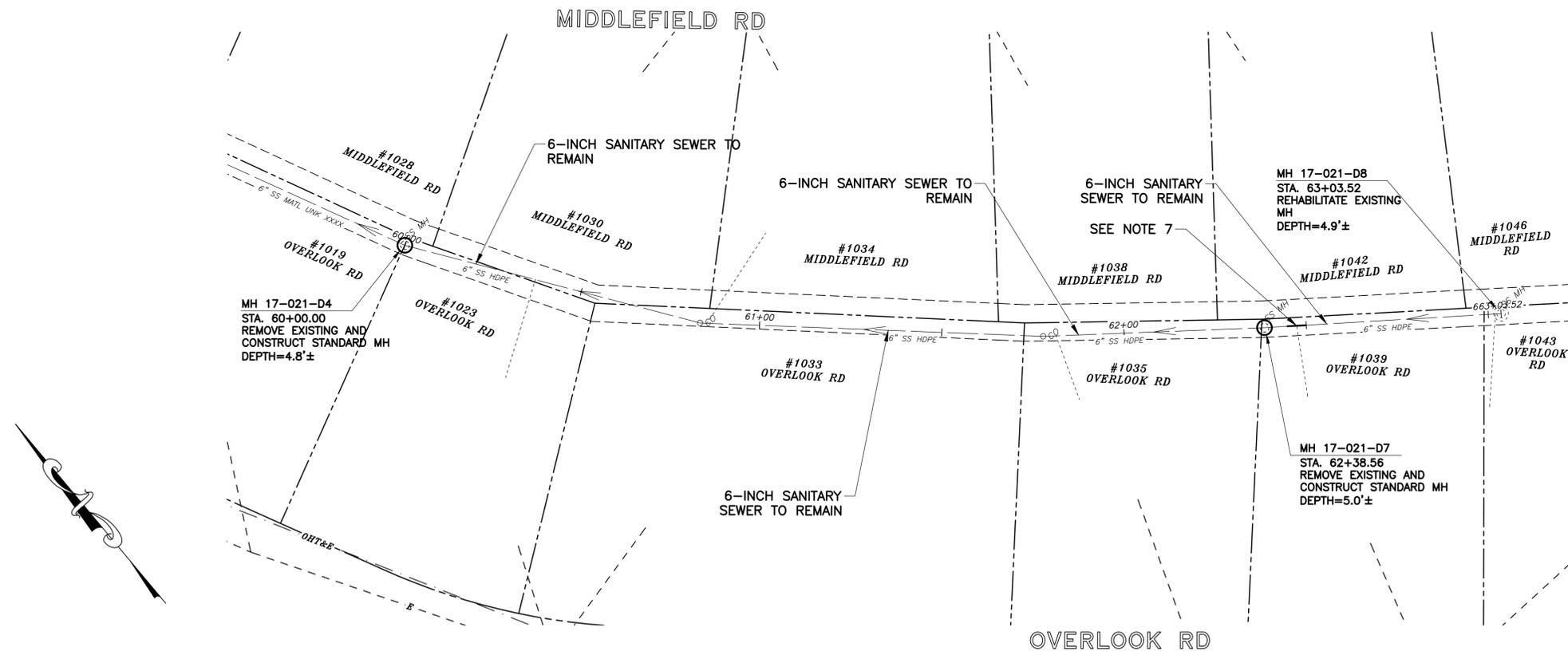
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APPROVAL
DESCRIPTION
DATE
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REVISION



11/1/2022

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SANITARY SEWER LAYOUT – OVERLOOK BACKLINE

STATION	NORTHING	EASTING	BEARING OR Δ	DISTANCE	DESCRIPTION
60+00.00	2152731.50'	6054942.91'	UNK	238.56'	MH 17-021-D4
62+38.56	2152566.81'	6055113.03'	S54°46'56"E	64.96'	MH 17-021-D7
63+03.52	2152529.35'	6055166.10'	N/A	N/A	MH 17-021-D8

PLAN

NOTES:

- FOR GENERAL NOTES SEE SHEET 2 OF THE PLANS.
- LOCATE, RECONSTRUCT, EXTEND, AND CONNECT ACTIVE LATERALS TO NEW SEWER MAIN. REMOVE EXISTING CLEANOUTS AND PROVIDE TWO-WAY CLEANOUTS WITH RISER, FRAME, CONCRETE COLLAR AND COVER.
- LOWER LATERALS SHALL BE HDPE SDR-17.
- RECONSTRUCT CITY MONUMENTS DISTURBED BY SEWER INSTALLATION. REFER TO STANDARD DETAIL PLAN NOS. 8090, 8091 AND 8179 OF THE SPECIFICATIONS, AS APPLICABLE.
- IN ACCORDANCE WITH SPECIAL CONDITION NO. 13 IN THE SPECIAL PROVISIONS, PRIOR TO PIPE-BURSTING, 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. 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.
- WORK SHOWN ON THIS SHEET IS LOCATED IN CITY OF BERKELEY FIRE ZONE 2 AND IS SUBJECT TO ALL WORK REQUIREMENTS AND RESTRICTIONS
- REPAIR DEFECTIVE LATERAL STA 62+45 TO STA 62+50 (METHOD "C").
- ALL DAMAGED/DISPLACED SURFACE FEATURES AND LANDSCAPING SHALL BE REPLACED IN KIND.
- ONLY HAND EXCAVATION (METHOD "C") WILL BE ALLOWED FOR WORK LOCATED ON PRIVATE PROPERTY.



11/1/2022

FOR CITY USE ONLY
REFERENCE SEWER MAP NO.
465 (50)

PROJECT MANAGER: _____ DATE _____	DEPICTION OF MONUMENTS: _____ DATE _____	SUBMITTED: _____ DATE _____	DESIGN: SMG	HORIZ. 1"=20'
SURVEY CHIEF OF PARTY: _____	SUPERVISING CIVIL ENGINEER: _____	R.C.E. N/A	DRAWN: MC	VERT. 1"=5'
WATERSHED REVIEW: _____ DATE _____	APPROVED: _____ DATE _____	EXP. N/A	CHECK: ALB	BOOK _____
FOR REDUCED PLANS - ORIGINAL SCALE IS IN INCHES	CITY ENGINEER: _____	EXP. N/A	AS BUILT _____	DATE 10/31/22

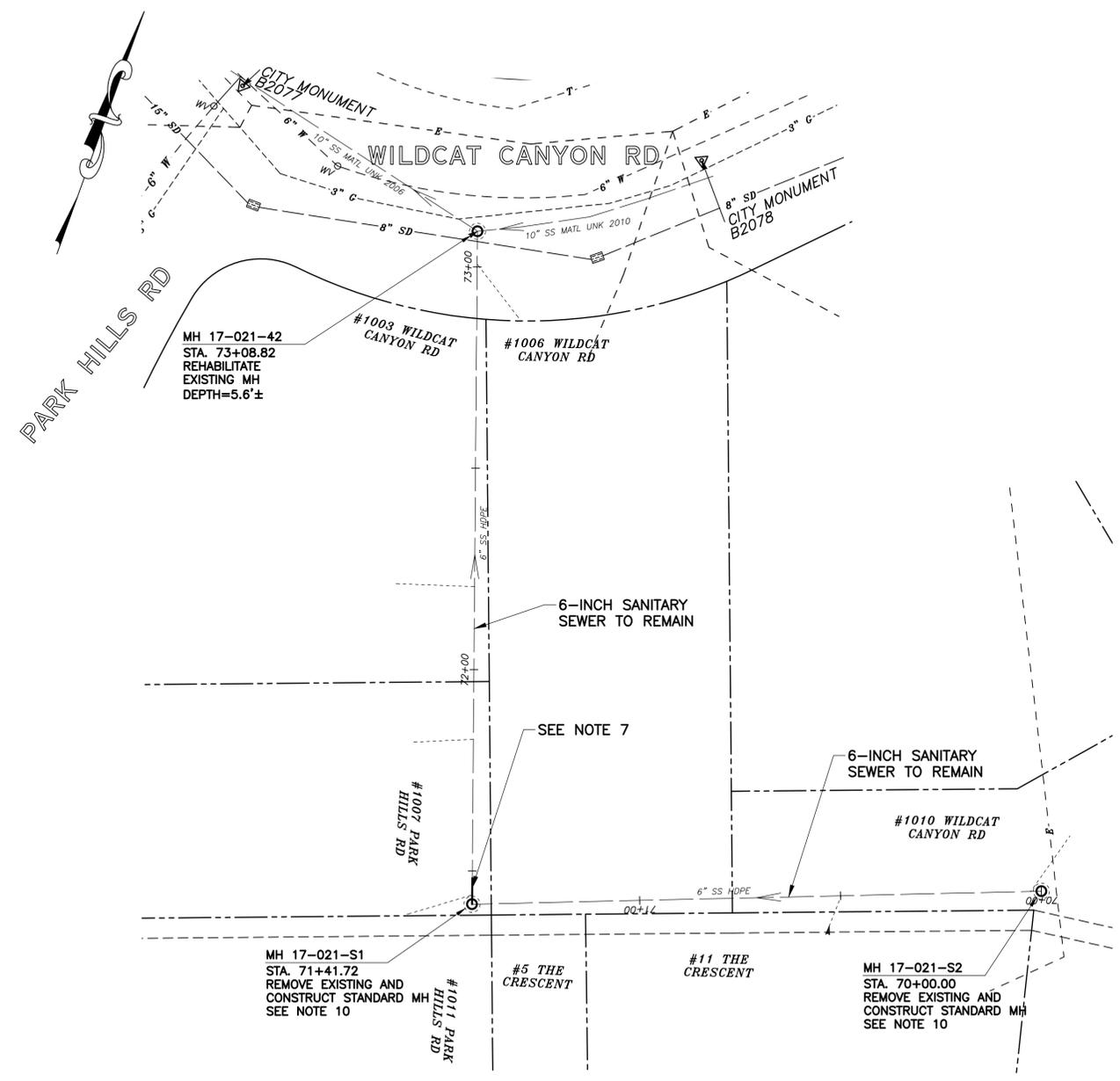


CITY OF BERKELEY
DEPARTMENT OF PUBLIC WORKS

SANITARY SEWER REHABILITATION
1019 OVERLOOK RD
PLAN AND PROFILE

PLAN 8265	APPROVAL
FILE 502-713	DESCRIPTION
SHEET 13 OF 58	DATE
	MARK
	REVISION

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NOTES:

- FOR GENERAL NOTES SEE SHEET 2 OF THE PLANS.
- LOCATE, RECONSTRUCT, EXTEND, AND CONNECT ACTIVE LATERALS TO NEW SEWER MAIN. REMOVE EXISTING CLEANOUTS AND PROVIDE TWO-WAY CLEANOUTS WITH RISER, FRAME, CONCRETE COLLAR AND COVER.
- LOWER LATERALS SHALL BE HDPE SDR-17.
- RECONSTRUCT CITY MONUMENTS DISTURBED BY SEWER INSTALLATION. REFER TO STANDARD DETAIL PLAN NOS. 8090, 8091 AND 8179 OF THE SPECIFICATIONS, AS APPLICABLE.
- IN ACCORDANCE WITH SPECIAL CONDITION NO. 13 IN THE SPECIAL PROVISIONS, PRIOR TO PIPE-BURSTING, 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. 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.
- WORK SHOWN ON THIS SHEET IS LOCATED IN CITY OF BERKELEY FIRE ZONE 2 AND IS SUBJECT TO ALL WORK REQUIREMENTS AND RESTRICTIONS.
- REPAIR JOINT SEPARATION 5± LF STA 71+43± TO 71+47± (METHOD "C").
- ONLY HAND EXCAVATION (METHOD "C") WILL BE ALLOWED FOR WORK LOCATED ON PRIVATE PROPERTY.
- ALL DAMAGED/DISPLACED SURFACE FEATURES AND LANDSCAPING SHALL BE REPLACED IN KIND.
- MH NOT SURVEYED. CONTRACTOR SHALL VERIFY RIM AND INVERT PRIOR TO ORDERING MH MATERIALS. ONLY HAND EXCAVATION (METHOD "C") IS PERMITTED TO REMOVE AND REPLACE MH. SUBMIT PHOTOS OF MH INTERIOR TO ENGINEER FOR CONFIRMATION OF REHABILITATION METHOD.

SANITARY SEWER LAYOUT - WILDCAT CANYON BACKLINE

STATION	NORTHING	EASTING	BEARING OR Δ	DISTANCE	DESCRIPTION
70+00.00	2153356.44'	6055316.56'	N67°26'12.41"	141.72	MH 17-021-S2
71+41.72	2153302.06'	6055185.68'	S20°47'29.77"E	160.60	MH 17-021-S1
73+08.82	2153458.28'	6055126.37'	N/A	N/A	MH 17-021-42

PLAN



11/1/2022

FOR CITY USE ONLY
REFERENCE SEWER MAP NO.
467 (50)

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

SUBMITTED:	DATE	DESIGN:	SMG
SUPERVISING CIVIL ENGINEER:	R.C.E. N/A	DRAWN:	MC
APPROVED:	DATE	CHECK:	ALB
CITY ENGINEER:	R.C.E. N/A	AS BUILT:	

DATE	EXP.	DATE	EXP.
N/A	N/A	N/A	N/A

HORIZ.	1"=20'
VERT.	1"=5'
BOOK	
DATE	11/1/22



CITY OF BERKELEY
DEPARTMENT OF PUBLIC WORKS

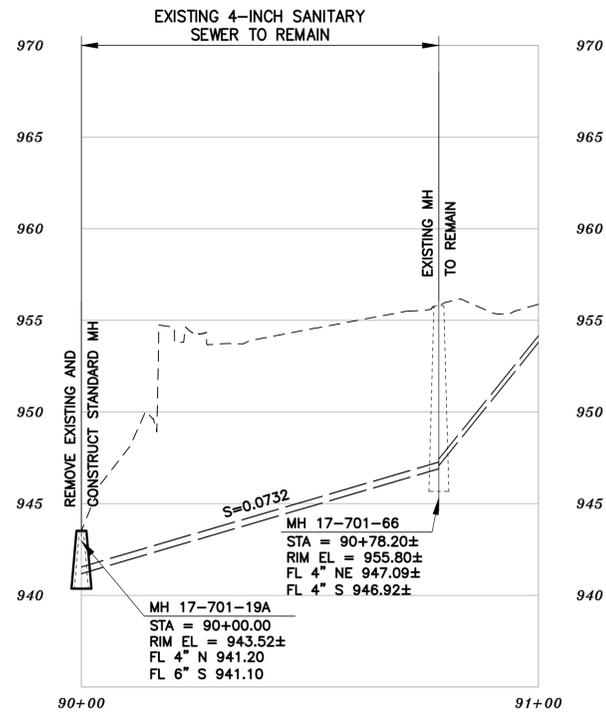
SANITARY SEWER REHABILITATION
1010 WILDCAT CANYON RD
PLAN AND PROFILE

PLAN 8265
FILE 502-713
SHEET 14 OF 58

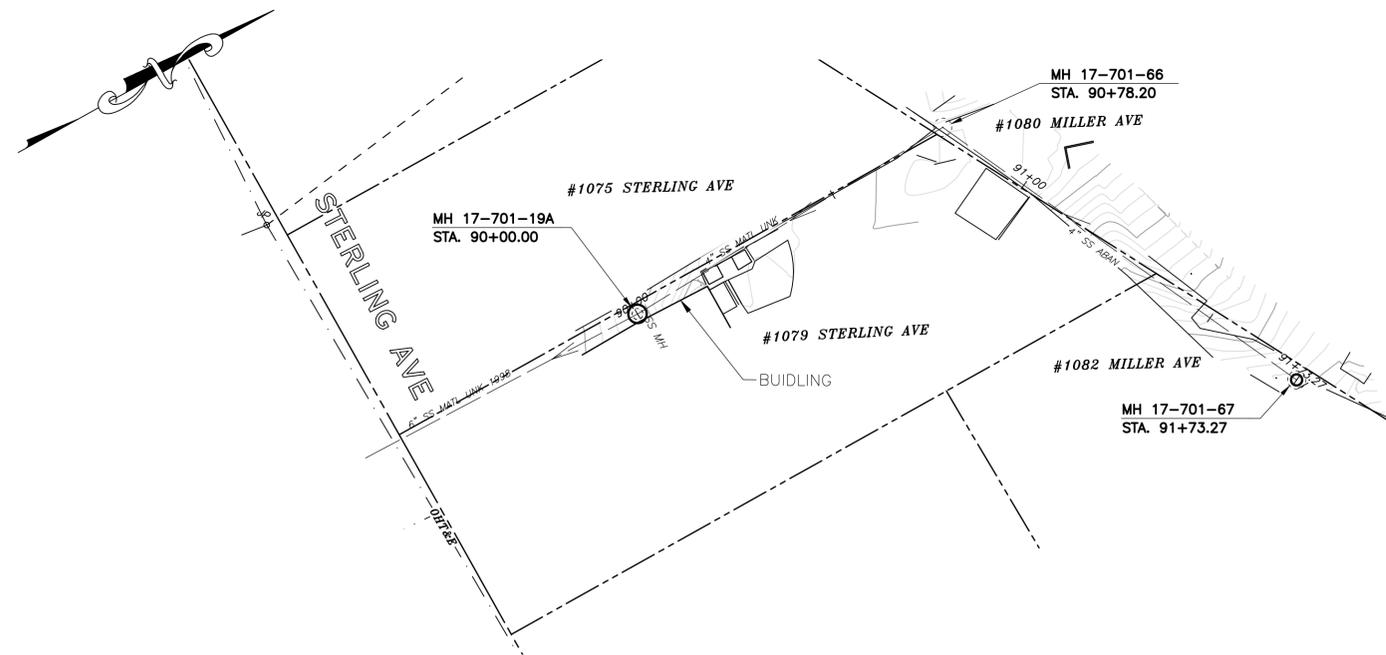
REVISION	MARK	DATE	DESCRIPTION	APPROVAL

NOTES:

- A. PERFORM SPOT REPAIRS AT LOCATIONS SHOWN (METHOD "C"). ONLY HAND EXCAVATION TO REHABILITATE SEWER MAIN AND REINSTATE LATERALS IS PERMITTED FOR SEGMENTS LOCATED ON PRIVATE PROPERTY.



PROFILE



PLAN

NOTES:

1. FOR GENERAL NOTES SEE SHEET 2 OF THE PLANS.
2. LOCATE, RECONSTRUCT, EXTEND, AND CONNECT ACTIVE LATERALS TO NEW SEWER MAIN. REMOVE EXISTING CLEANOUTS AND PROVIDE TWO-WAY CLEANOUTS WITH RISER, FRAME, CONCRETE COLLAR AND COVER.
3. LOWER LATERALS SHALL BE HDPE SDR-17.
4. RECONSTRUCT CITY MONUMENTS DISTURBED BY SEWER INSTALLATION. REFER TO STANDARD DETAIL PLAN NOS. 8090, 8091 AND 8179 OF THE SPECIFICATIONS, AS APPLICABLE.
5. IN ACCORDANCE WITH SPECIAL CONDITION NO. 13 IN THE SPECIAL PROVISIONS, PRIOR TO PIPE-BURSTING, 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. 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.
6. WORK SHOWN ON THIS SHEET IS LOCATED IN CITY OF BERKELEY FIRE ZONE 2 AND IS SUBJECT TO ALL WORK REQUIREMENTS AND RESTRICTIONS.

SANITARY SEWER LAYOUT – STERLING AVE

STATION	NORTHING	EASTING	BEARING OR Δ	DISTANCE	DESCRIPTION
90+00.00	2151849.45'	6054305.97'	N2°21'09.05"W	78.20'	MH 17-701-19A
90+78.20	2151927.58'	6054302.76'	N/A	N/A	MH 17-701-66



11/1/2022

N:\Clients\677 City of Berkeley\30-22-07 Parnassus Swr Rehab\CAD\Production\16 - 67730-2207_1079 STERLING AVE.dwg [1079 STERLING AVE] 10-31-22 03:57:28 PM sgreenwood

FOR CITY USE ONLY
REFERENCE SEWER MAP NO.
407 (50)

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

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

SUBMITTED: _____ DATE _____
R.C.E. N/A
EXP. N/A
SUPERVISING CIVIL ENGINEER _____
APPROVED: _____ DATE _____
R.C.E. N/A
EXP. N/A
CITY ENGINEER _____

DESIGN SMG
DRAWN MC
CHECK ALB
AS BUILT _____

HORIZ. 1"=20'
VERT. 1"=5'
BOOK _____
DATE 10/31/22



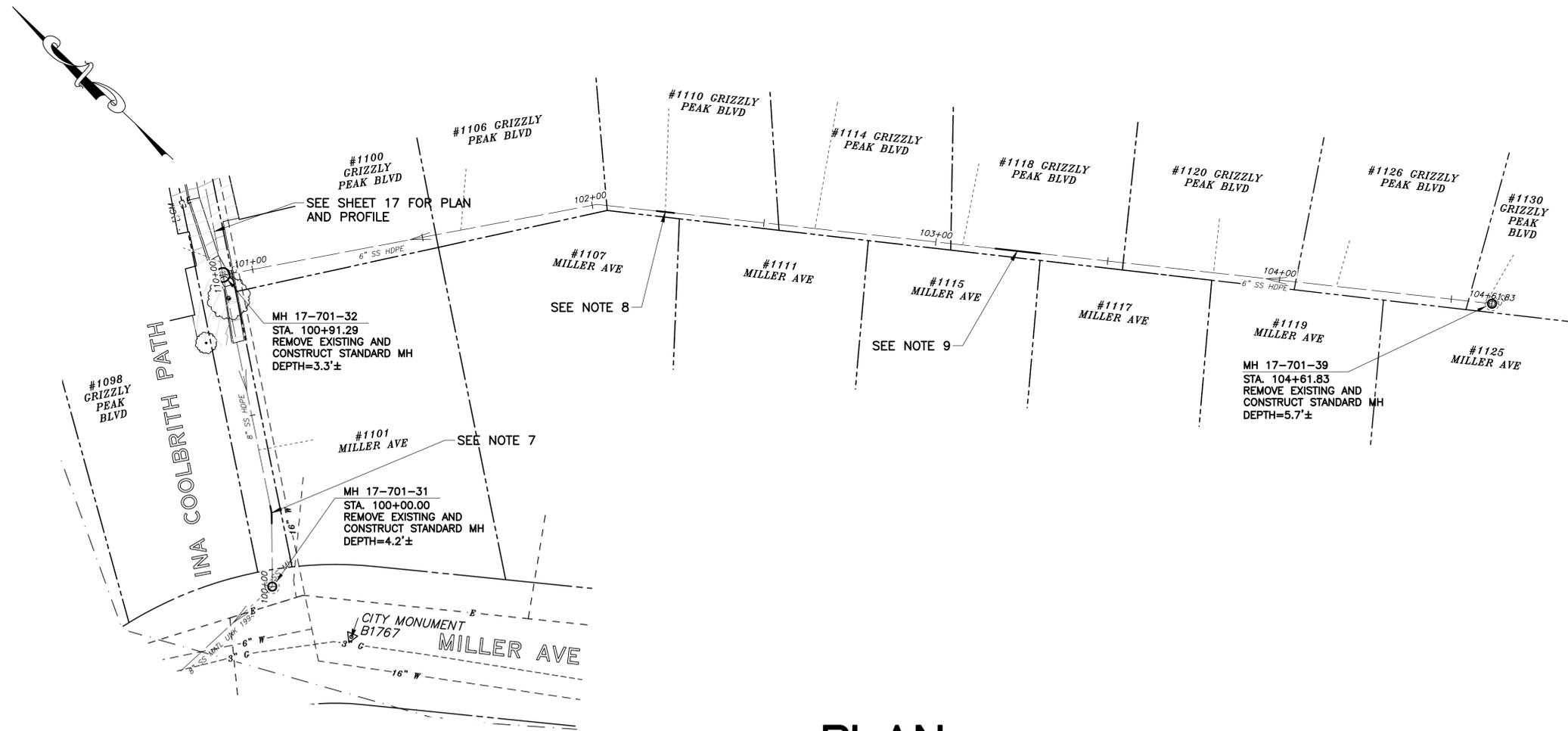
CITY OF BERKELEY
DEPARTMENT OF PUBLIC WORKS

SANITARY SEWER REHABILITATION
1079 STERLING AVE
PLAN AND PROFILE

PLAN 8265
FILE 502-713
SHEET 15 OF 58

REVISION	MARK	DATE	DESCRIPTION	APPROVAL

N:\Clients\677 City of Berkeley\30-22-07 Parnassus Swr Rehab\CAD\Production\17 - 67730-2207_1101 MILLER AVE.dwg [1101 MILLER AVE] 10-31-22 03:57:50 PM sgreenwood



NOTES:

1. FOR GENERAL NOTES SEE SHEET 2 OF THE PLANS.
2. LOCATE, RECONSTRUCT, EXTEND, AND CONNECT ACTIVE LATERALS TO NEW SEWER MAIN. REMOVE EXISTING CLEANOUTS AND PROVIDE TWO-WAY CLEANOUTS WITH RISER, FRAME, CONCRETE COLLAR AND COVER.
3. LOWER LATERALS SHALL BE HDPE SDR-17.
4. RECONSTRUCT CITY MONUMENTS DISTURBED BY SEWER INSTALLATION. REFER TO STANDARD DETAIL PLAN NOS. 8090, 8091 AND 8179 OF THE SPECIFICATIONS, AS APPLICABLE.
5. IN ACCORDANCE WITH SPECIAL CONDITION NO. 13 IN THE SPECIAL PROVISIONS, PRIOR TO PIPE-BURSTING, 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. 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.
6. WORK SHOWN ON THIS SHEET IS LOCATED IN CITY OF BERKELEY FIRE ZONE 2 AND IS SUBJECT TO ALL WORK REQUIREMENTS AND RESTRICTIONS.
7. REPAIR SEPARATED JOINTS STA 100+18 TO 100+23± (METHOD "C").
8. REPAIR DEFECTIVE TAP STA 102+21± (METHOD "C").
9. REPAIR SEPARATED JOINTS STA 103+17± (METHOD "C").
10. ONLY HAND EXCAVATION (METHOD "C") WILL BE ALLOWED FOR WORK LOCATED ON PRIVATE PROPERTY.
11. ALL DAMAGED/DISPLACED SURFACE FEATURES AND LANDSCAPING SHALL BE REPLACED IN KIND.

SANITARY SEWER LAYOUT – MILLER BACKLINE

STATION	NORTHING	EASTING	BEARING OR Δ	DISTANCE	DESCRIPTION
100+00.00	2152044.44'	6054759.43'	UNK	91.29'±	MH 17-701-31
100+91.29	2152117.98'	6054813.00'	UNK	370.54'±	MH 17-701-32
104+61.83	2151852.14'	6055066.23'	N/A	N/A	MH 17-701-39

PLAN



11/1/2022

FOR CITY USE ONLY
REFERENCE SEWER MAP NO.
309 (50)

PROJECT MANAGER: _____ DATE _____	DEPICTION OF MONUMENTS: _____ DATE _____	SUBMITTED: _____ DATE _____	R.C.E. N/A	DESIGN SMG	HORIZ. 1"=20'
SURVEY CHIEF OF PARTY _____	WATERSHED REVIEW: _____ DATE _____	SUPERVISING CIVIL ENGINEER _____	EXP. N/A	DRAWN MC	VERT. 1"=5'
FOR REDUCED PLANS - ORIGINAL SCALE IS IN INCHES	APPROVED: _____ DATE _____	CITY ENGINEER _____	EXP. N/A	CHECK ALB	BOOK _____
				AS BUILT _____	DATE 10/31/22



CITY OF BERKELEY
DEPARTMENT OF PUBLIC WORKS

SANITARY SEWER REHABILITATION
1101 MILLER AVE
PLAN AND PROFILE

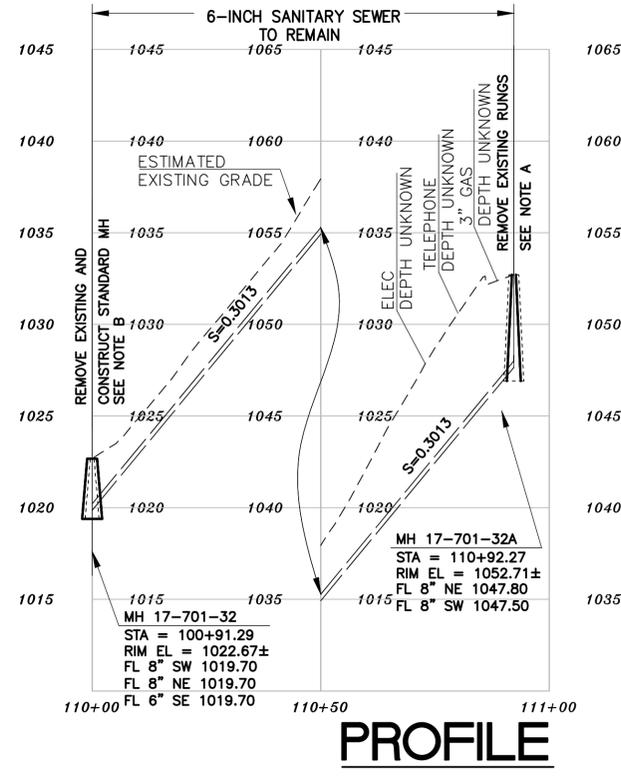
PLAN 8265
FILE 502-713
SHEET 16 OF 58

REVISION	MARK	DATE	DESCRIPTION	APPROVAL

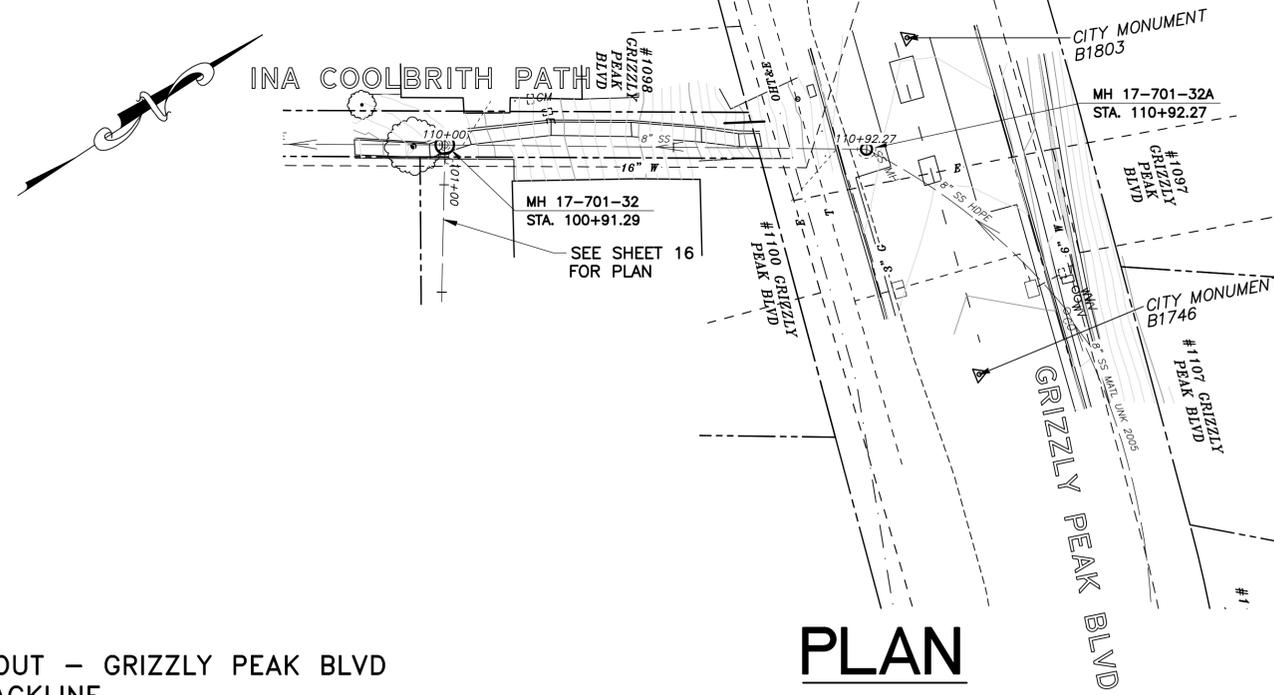
N:\Clients\677 City of Berkeley\30-22-07 Parnassus Swr Rehab\CAD\Production\18 - 67730-2207_1100 GRIZZLY PEAK BLVD.dwg [1100 GRIZZLY PEAK BLVD] 10-31-22 03:58:17 PM sgreenwood

NOTES:

- A. FILL VOIDS CAUSED BY RUNG REMOVAL WITH NON-SHRINK GROUT.
- B. MH 17-701-32 IS CURRENTLY A CLEANOUT LOCATED ADJACENT TO PATH RAILING. REPLACE ANY RAILING IN KIND IF DAMAGED BY CONSTRUCTION ACTIVITIES.



PROFILE



PLAN

SANITARY SEWER LAYOUT - GRIZZLY PEAK BLVD BACKLINE

STATION	NORTHING	EASTING	BEARING OR Δ	DISTANCE	DESCRIPTION
110+00.00	2152117.98'	6054813.00'	N33°50'15"E	92.27'	MH 17-701-32
110+92.27	2152194.62'	6054864.38'	N/A	N/A	MH 17-701-32A

NOTES:

1. FOR GENERAL NOTES SEE SHEET 2 OF THE PLANS.
2. LOCATE, RECONSTRUCT, EXTEND, AND CONNECT ACTIVE LATERALS TO NEW SEWER MAIN. REMOVE EXISTING CLEANOUTS AND PROVIDE TWO-WAY CLEANOUTS WITH RISER, FRAME, CONCRETE COLLAR AND COVER.
3. LOWER LATERALS SHALL BE HDPE SDR-17.
4. RECONSTRUCT CITY MONUMENTS DISTURBED BY SEWER INSTALLATION. REFER TO STANDARD DETAIL PLAN NOS. 8090, 8091 AND 8179 OF THE SPECIFICATIONS, AS APPLICABLE.
5. IN ACCORDANCE WITH SPECIAL CONDITION NO. 13 IN THE SPECIAL PROVISIONS, PRIOR TO PIPE-BURSTING, 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. 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.
6. WORK SHOWN ON THIS SHEET IS LOCATED IN CITY OF BERKELEY FIRE ZONE 2 AND IS SUBJECT TO ALL WORK REQUIREMENTS AND RESTRICTIONS.
7. ONLY HAND EXCAVATION (METHOD "C") WILL BE ALLOWED FOR WORK LOCATED ON PRIVATE PROPERTY.
8. ALL DAMAGED/DISPLACED SURFACE FEATURES AND LANDSCAPING SHALL BE REPLACED IN KIND.



11/1/2022

FOR CITY USE ONLY
REFERENCE SEWER MAP NO.
390 (50)

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

SUBMITTED: _____ DATE _____
 R.C.E. N/A
 EXP. N/A
 SUPERVISING CIVIL ENGINEER
 APPROVED: _____ DATE _____
 R.C.E. N/A
 EXP. N/A
 CITY ENGINEER

DESIGN: SMG
 DRAWN: MC
 CHECK: ALB
 AS BUILT: _____

HORIZ. 1"=20'
 VERT. 1"=5'
 BOOK: _____
 DATE: 10/31/22



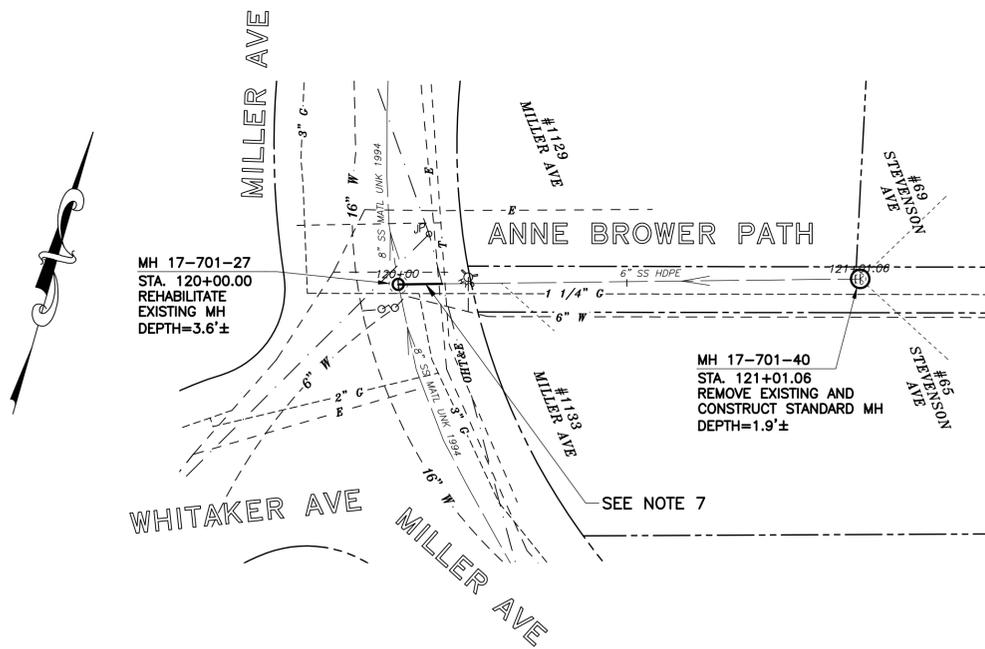
CITY OF BERKELEY
DEPARTMENT OF PUBLIC WORKS

SANITARY SEWER REHABILITATION
1100 GRIZZLY PEAK BLVD
PLAN AND PROFILE

PLAN 8265
 FILE 502-713
 SHEET 17 OF 58

REVISION	MARK	DATE	DESCRIPTION	APPROVAL

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PLAN

SANITARY SEWER LAYOUT – MILLER BACKLINE

STATION	NORTHING	EASTING	BEARING OR Δ	DISTANCE	DESCRIPTION
120+00.00	2151700.66'	6054984.16'	N71°58'24"	101.06'	MH 17-701-27
121+01.06	2151731.94'	6055080.26'	N/A	N/A	MH 17-701-40

NOTES:

- FOR GENERAL NOTES SEE SHEET 2 OF THE PLANS.
- LOCATE, RECONSTRUCT, EXTEND, AND CONNECT ACTIVE LATERALS TO NEW SEWER MAIN. REMOVE EXISTING CLEANOUTS AND PROVIDE TWO-WAY CLEANOUTS WITH RISER, FRAME, CONCRETE COLLAR AND COVER.
- LOWER LATERALS SHALL BE HDPE SDR-17.
- RECONSTRUCT CITY MONUMENTS DISTURBED BY SEWER INSTALLATION. REFER TO STANDARD DETAIL PLAN NOS. 8090, 8091 AND 8179 OF THE SPECIFICATIONS, AS APPLICABLE.
- IN ACCORDANCE WITH SPECIAL CONDITION NO. 13 IN THE SPECIAL PROVISIONS, PRIOR TO PIPE-BURSTING, 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. 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.
- WORK SHOWN ON THIS SHEET IS LOCATED IN CITY OF BERKELEY FIRE ZONE 2 AND IS SUBJECT TO ALL WORK REQUIREMENTS AND RESTRICTIONS.
- REPAIR ELLIPTICAL DEFORMATION AND OFFSET JOINTS 10± LF STA 120+00± TO 120+10± (METHOD "C").
- ONLY HAND EXCAVATION (METHOD "C") WILL BE ALLOWED FOR WORK LOCATED ON PRIVATE PROPERTY.
- ALL DAMAGED/DISPLACED SURFACE FEATURES AND LANDSCAPING SHALL BE REPLACED IN KIND.



11/1/2022

FOR CITY USE ONLY
REFERENCE SEWER MAP NO.
388 (50)

PROJECT MANAGER: _____ DATE _____	DEPICTION OF MONUMENTS: _____ DATE _____	SUBMITTED: _____ DATE _____	DESIGN: <u>SMG</u>	HORIZ. <u>1"=20'</u>
SURVEY CHIEF OF PARTY _____	SUPERVISING CIVIL ENGINEER _____	R.C.E. <u>N/A</u>	DRAWN: <u>MC</u>	VERT. <u>1"=5'</u>
WATERSHED REVIEW: _____ DATE _____	APPROVED: _____ DATE _____	EXP. <u>N/A</u>	CHECK: <u>ALB</u>	BOOK _____
FOR REDUCED PLANS - ORIGINAL SCALE IS IN INCHES	CITY ENGINEER _____	EXP. <u>N/A</u>	AS BUILT _____	DATE <u>10/31/22</u>



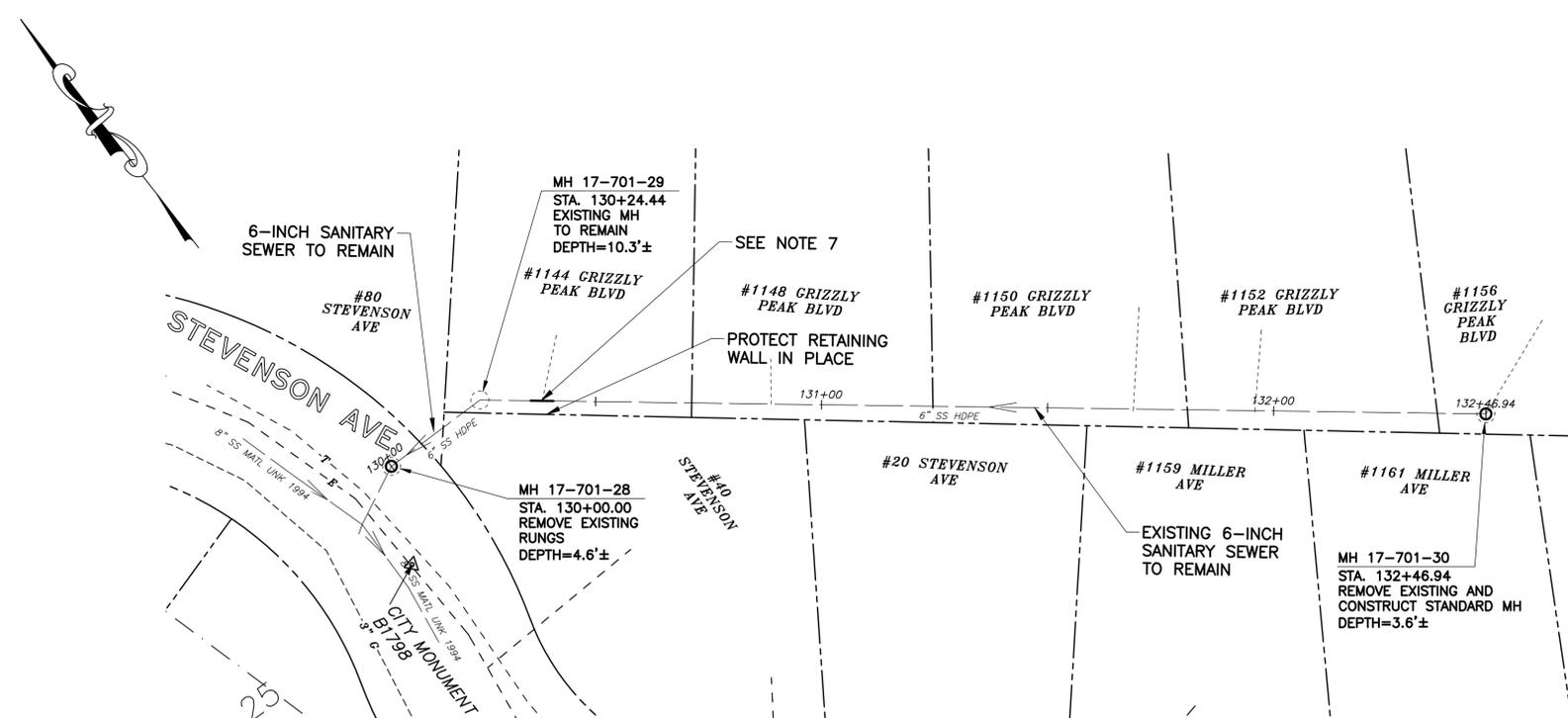
CITY OF BERKELEY
DEPARTMENT OF PUBLIC WORKS

SANITARY SEWER REHABILITATION
1129 MILLER AVE
PLAN AND PROFILE

PLAN	8265
FILE	502-713
SHEET	18 OF 58

APPROVAL	
DESCRIPTION	
DATE	
MARK	
REVISION	

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- NOTES:**
- FOR GENERAL NOTES SEE SHEET 2 OF THE PLANS.
 - LOCATE, RECONSTRUCT, EXTEND, AND CONNECT ACTIVE LATERALS TO NEW SEWER MAIN. REMOVE EXISTING CLEANOUTS AND PROVIDE TWO-WAY CLEANOUTS WITH RISER, FRAME, CONCRETE COLLAR AND COVER.
 - LOWER LATERALS SHALL BE HDPE SDR-17.
 - RECONSTRUCT CITY MONUMENTS DISTURBED BY SEWER INSTALLATION. REFER TO STANDARD DETAIL PLAN NOS. 8090, 8091 AND 8179 OF THE SPECIFICATIONS, AS APPLICABLE.
 - IN ACCORDANCE WITH SPECIAL CONDITION NO. 13 IN THE SPECIAL PROVISIONS, PRIOR TO PIPE-BURSTING, 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. 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.
 - WORK SHOWN ON THIS SHEET IS LOCATED IN CITY OF BERKELEY FIRE ZONE 2 AND IS SUBJECT TO ALL WORK REQUIREMENTS AND RESTRICTIONS.
 - REPAIR LATERAL CONNECTION 5± LF STA 130+35± TO 130+40± (METHOD "C").
 - ONLY HAND EXCAVATION (METHOD "C") WILL BE ALLOWED FOR WORK LOCATED ON PRIVATE PROPERTY.
 - ALL DAMAGED/DISPLACED SURFACE FEATURES AND LANDSCAPING SHALL BE REPLACED IN KIND.
 - FILL VOIDS CAUSED BY RUNG REMOVAL WITH NON-SHRINK GROUT.

APPROVAL	
DESCRIPTION	
DATE	
MARK	
REVISION	

SANITARY SEWER LAYOUT – STEVENSON BACKLINE

STATION	NORTHING	EASTING	BEARING OR Δ	DISTANCE	DESCRIPTION
130+00.00	2151653.82'	6055250.47'	N89°46'30"E	24.44'	MH 17-701-28
130+24.44	2151653.91'	6055274.91'	S52°38'29"E	222.51'	MH 17-701-29
132+46.94	2151731.94'	6055080.26'	N/A	N/A	MH 17-701-30

PLAN



11/1/2022

FOR CITY USE ONLY
REFERENCE SEWER MAP NO.
388 (50)

PROJECT MANAGER: _____ DATE _____	DEPICTION OF MONUMENTS: _____ DATE _____	SUBMITTED: _____ DATE _____	DESIGN: <u>SMG</u>	HORIZ. <u>1"=20'</u>
SURVEY CHIEF OF PARTY _____	SUPERVISING CIVIL ENGINEER _____	R.C.E. <u>N/A</u>	DRAWN: <u>MC</u>	VERT. <u>1"=5'</u>
WATERSHED REVIEW: _____ DATE _____	APPROVED: _____ DATE _____	EXP. <u>N/A</u>	CHECK: <u>ALB</u>	BOOK _____
FOR REDUCED PLANS - ORIGINAL SCALE IS IN INCHES	CITY ENGINEER _____	EXP. <u>N/A</u>	AS BUILT _____	DATE <u>10/31/22</u>

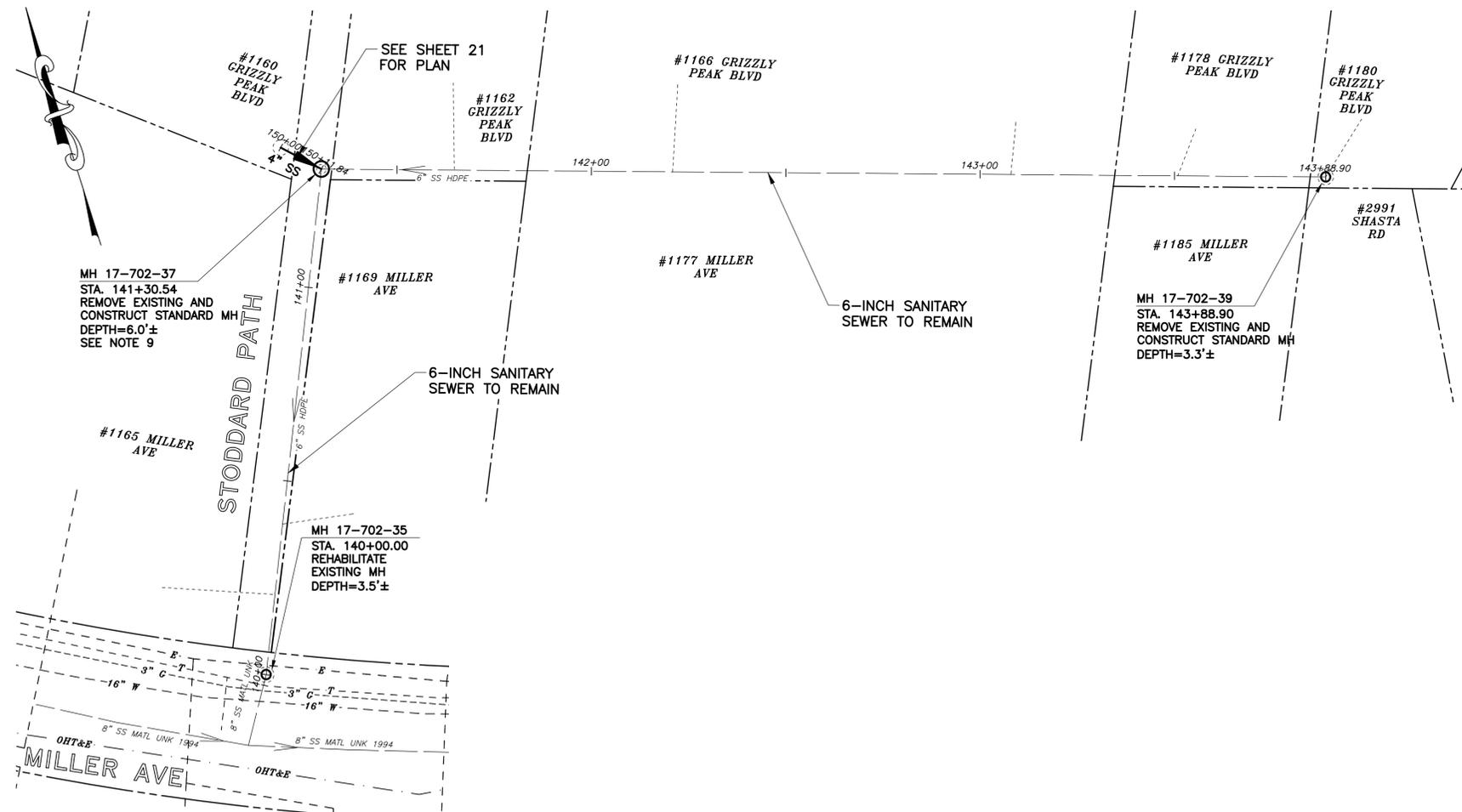


CITY OF BERKELEY
DEPARTMENT OF PUBLIC WORKS

SANITARY SEWER REHABILITATION
40 STEVENSON AVE
PLAN AND PROFILE

PLAN 8265
FILE 502-713
SHEET 19 OF 58

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NOTES:

- FOR GENERAL NOTES SEE SHEET 2 OF THE PLANS.
- LOCATE, RECONSTRUCT, EXTEND, AND CONNECT ACTIVE LATERALS TO NEW SEWER MAIN. REMOVE EXISTING CLEANOUTS AND PROVIDE TWO-WAY CLEANOUTS WITH RISER, FRAME, CONCRETE COLLAR AND COVER.
- LOWER LATERALS SHALL BE HDPE SDR-17.
- RECONSTRUCT CITY MONUMENTS DISTURBED BY SEWER INSTALLATION. REFER TO STANDARD DETAIL PLAN NOS. 8090, 8091 AND 8179 OF THE SPECIFICATIONS, AS APPLICABLE.
- IN ACCORDANCE WITH SPECIAL CONDITION NO. 13 IN THE SPECIAL PROVISIONS, PRIOR TO PIPE-BURSTING, 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. 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.
- WORK SHOWN ON THIS SHEET IS LOCATED IN CITY OF BERKELEY FIRE ZONE 2 AND IS SUBJECT TO ALL WORK REQUIREMENTS AND RESTRICTIONS.
- ONLY HAND EXCAVATION (METHOD "C") WILL BE ALLOWED FOR WORK LOCATED ON PRIVATE PROPERTY.
- ALL DAMAGED/DISPLACED SURFACE FEATURES AND LANDSCAPING SHALL BE REPLACED IN KIND.
- MH 17-702-37 IS LOCATED DIRECTLY BENEATH FENCE LINE. REMOVE AND REPLACE EXISTING FENCE IN KIND AS NECESSARY TO CONSTRUCT NEW MH.

PLAN

SANITARY SEWER LAYOUT – MILLER BACKLINE

STATION	NORTHING	EASTING	BEARING OR Δ	DISTANCE	DESCRIPTION
140+00.00	2151329.70'	6055491.67'	S22°25'17.88"W	130.54'	MH 17-702-35
141+30.54	21514510.37'	6055541.46'	N73°23'10.21W	258.36'	MH 17-702-37
143+88.90	2151376.50'	6055789.03'	N/A	N/A	MH 17-702-39



11/1/2022

FOR CITY USE ONLY
REFERENCE SEWER MAP NO.
389 (50)

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

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

SUBMITTED: _____ DATE _____
 R.C.E. N/A
 EXP. N/A
 SUPERVISING CIVIL ENGINEER: _____
 APPROVED: _____ DATE _____
 R.C.E. N/A
 EXP. N/A
 CITY ENGINEER: _____

DESIGN: SMG
 DRAWN: MC
 CHECK: ALB
 AS BUILT: _____
 HORIZ. 1"=20'
 VERT. 1"=5'
 BOOK: _____
 DATE: 11/1/22



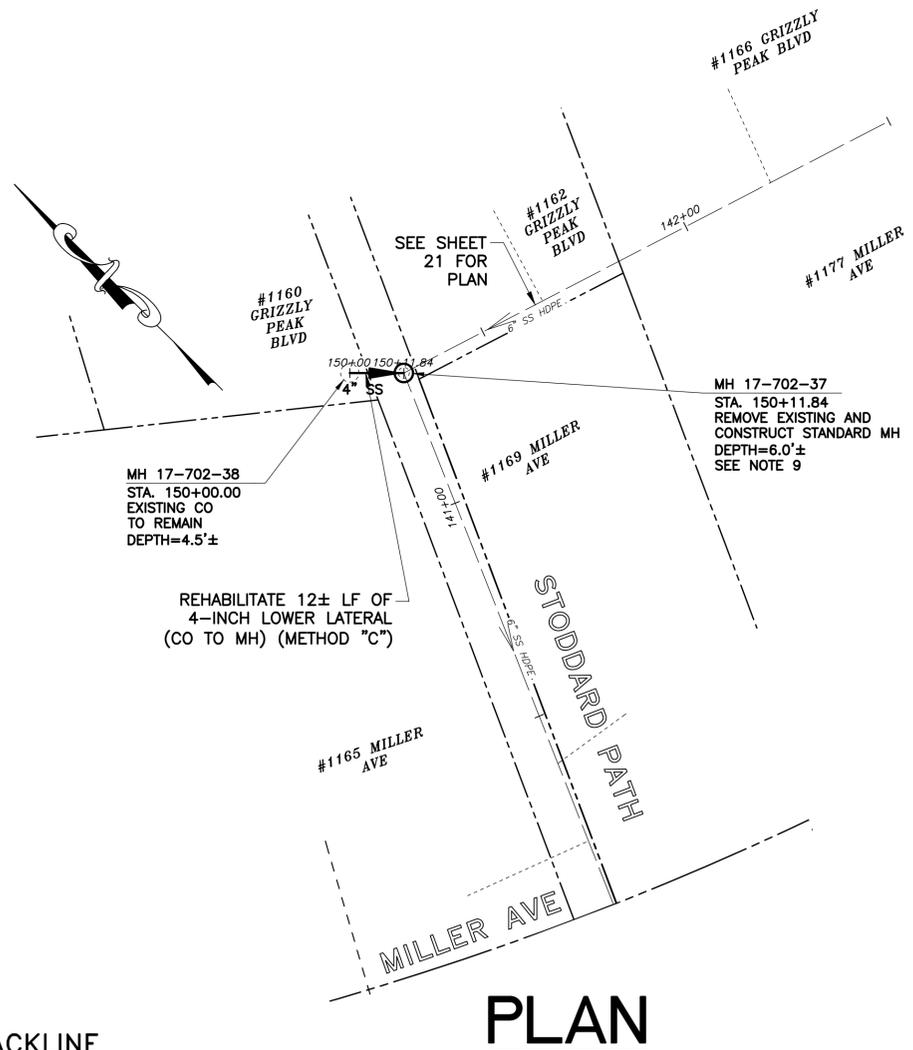
CITY OF BERKELEY
DEPARTMENT OF PUBLIC WORKS

SANITARY SEWER REHABILITATION
1169 MILLER AVE
PLAN AND PROFILE

PLAN 8265
FILE 502-713
SHEET 20 OF 58

REVISION	MARK	DATE	DESCRIPTION	APPROVAL

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PLAN

- NOTES:**
- FOR GENERAL NOTES SEE SHEET 2 OF THE PLANS.
 - LOCATE, RECONSTRUCT, EXTEND, AND CONNECT ACTIVE LATERALS TO NEW SEWER MAIN. REMOVE EXISTING CLEANOUTS AND PROVIDE TWO-WAY CLEANOUTS WITH RISER, FRAME, CONCRETE COLLAR AND COVER.
 - LOWER LATERALS SHALL BE HDPE SDR-17.
 - RECONSTRUCT CITY MONUMENTS DISTURBED BY SEWER INSTALLATION. REFER TO STANDARD DETAIL PLAN NOS. 8090, 8091 AND 8179 OF THE SPECIFICATIONS, AS APPLICABLE.
 - IN ACCORDANCE WITH SPECIAL CONDITION NO. 13 IN THE SPECIAL PROVISIONS, PRIOR TO PIPE-BURSTING, 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. 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.
 - WORK SHOWN ON THIS SHEET IS LOCATED IN CITY OF BERKELEY FIRE ZONE 2 AND IS SUBJECT TO ALL WORK REQUIREMENTS AND RESTRICTIONS.
 - ONLY HAND EXCAVATION (METHOD "C") WILL BE ALLOWED FOR WORK LOCATED ON PRIVATE PROPERTY.
 - ALL DAMAGED/DISPLACED SURFACE FEATURES AND LANDSCAPING SHALL BE REPLACED IN KIND.
 - MH 17-702-37 IS LOCATED DIRECTLY BENEATH FENCE LINE. REMOVE AND REPLACE EXISTING FENCE IN KIND AS NECESSARY TO CONSTRUCT NEW MH.

SANITARY SEWER LAYOUT – GRIZZLY PEAK BACKLINE

STATION	NORTHING	EASTING	BEARING OR Δ	DISTANCE	DESCRIPTION
150+00.00	2151458.59'	6055532.95'	S46°00'16.26"E	11.84'	MH 17-702-38
150+11.84	UNK	UNK	N/A	N/A	MH 17-702-37



11/1/2022

FOR CITY USE ONLY
REFERENCE SEWER MAP NO.
389 (50)

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

SUBMITTED:	DATE	DESIGN:	SMG
SUPERVISING CIVIL ENGINEER:	R.C.E. N/A	DRAWN:	MC
APPROVED:	DATE	CHECK:	ALB
CITY ENGINEER:	R.C.E. N/A	AS BUILT:	

EXP. N/A	EXP. N/A	EXP. N/A	EXP. N/A
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HORIZ.	1"=20'
VERT.	1"=5'
BOOK	
DATE	11/1/22



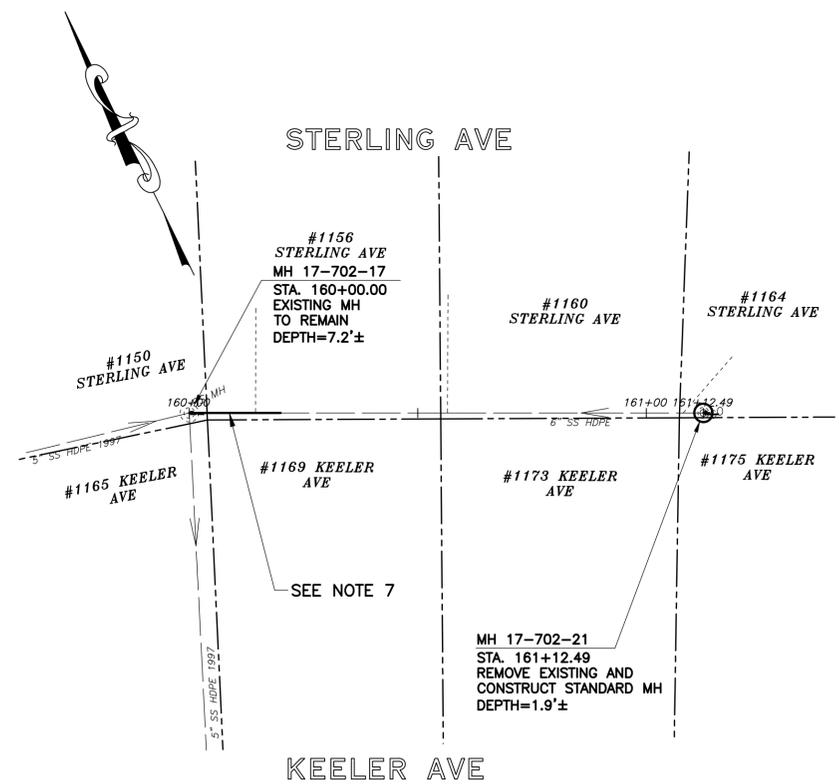
CITY OF BERKELEY
DEPARTMENT OF PUBLIC WORKS

SANITARY SEWER REHABILITATION
1156 GRIZZLY PEAK BLVD
PLAN AND PROFILE

PLAN	8265
FILE	502-713
SHEET	21 OF 58

APPROVAL	
DESCRIPTION	
DATE	
MARK	
REVISION	

N:\Clients\677 City of Berkeley\30-22-07 Parnassus Swr Rehab\CAD\Production\23 - 67730-2207_1150 STERLING AVE.dwg [11:50 STERLING AVE] 11-01-22 10:47:04 AM sgreenwood



PLAN

SANITARY SEWER LAYOUT – STERLING BACKLINE

STATION	NORTHING	EASTING	BEARING OR Δ	DISTANCE	DESCRIPTION
160+00.00	2151125.35'	6054909.36'	S65°13'34"E	112.49'	MH 17-702-17
161+12.49	2151078.21'	6055011.50'	N/A	N/A	MH 17-702-21

NOTES:

- FOR GENERAL NOTES SEE SHEET 2 OF THE PLANS.
- LOCATE, RECONSTRUCT, EXTEND, AND CONNECT ACTIVE LATERALS TO NEW SEWER MAIN. REMOVE EXISTING CLEANOUTS AND PROVIDE TWO-WAY CLEANOUTS WITH RISER, FRAME, CONCRETE COLLAR AND COVER.
- LOWER LATERALS SHALL BE HDPE SDR-17.
- RECONSTRUCT CITY MONUMENTS DISTURBED BY SEWER INSTALLATION. REFER TO STANDARD DETAIL PLAN NOS. 8090, 8091 AND 8179 OF THE SPECIFICATIONS, AS APPLICABLE.
- IN ACCORDANCE WITH SPECIAL CONDITION NO. 13 IN THE SPECIAL PROVISIONS, PRIOR TO PIPE-BURSTING, 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. 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.
- WORK SHOWN ON THIS SHEET IS LOCATED IN CITY OF BERKELEY FIRE ZONE 2 AND IS SUBJECT TO ALL WORK REQUIREMENTS AND RESTRICTIONS.
- REPAIR MULTIPLE DEFECTS 20± LF STA 160+00± TO 160+20± (METHOD "C").
- ONLY HAND EXCAVATION (METHOD "C") WILL BE ALLOWED FOR WORK LOCATED ON PRIVATE PROPERTY.
- ALL DAMAGED/DISPLACED SURFACE FEATURES AND LANDSCAPING SHALL BE REPLACED IN KIND.

FOR CITY USE ONLY
REFERENCE SEWER MAP NO.
368 (50)

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

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

SUBMITTED: _____ DATE _____
R.C.E. N/A
EXP. N/A
SUPERVISING CIVIL ENGINEER _____
APPROVED: _____ DATE _____
R.C.E. N/A
EXP. N/A
CITY ENGINEER _____

DESIGN SMG
DRAWN MC
CHECK ALB
AS BUILT _____

HORIZ. 1"=20'
VERT. 1"=5'
BOOK _____
DATE 11/1/22



CITY OF BERKELEY
DEPARTMENT OF PUBLIC WORKS

SANITARY SEWER REHABILITATION
1150 STERLING AVE
PLAN AND PROFILE

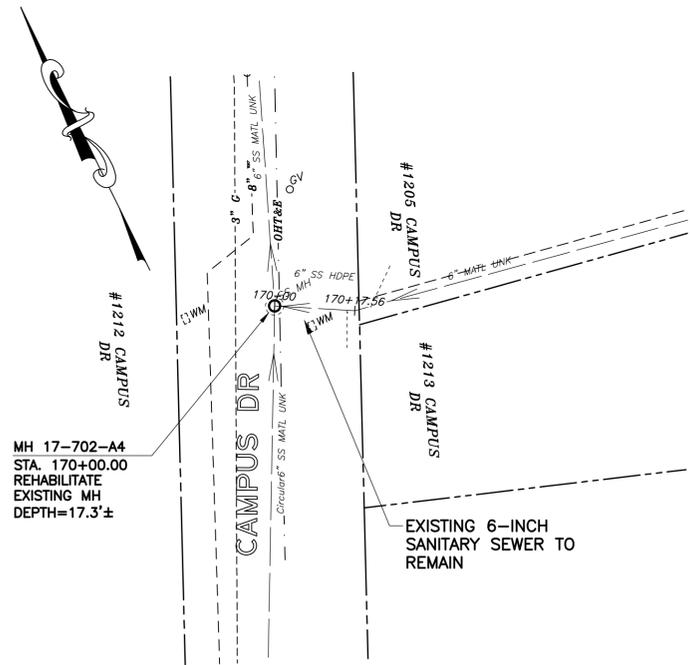
PLAN 8265
FILE 502-713
SHEET 22 OF 58



11/1/2022

REVISION	MARK	DATE	DESCRIPTION	APPROVAL

N:\Clients\677 City of Berkeley\30-22-07 Parnassus Swr Rehab\CAD\Production\24 - 67730-2207_1205 CAMPUS DR.dwg [1212 CAMPUS DR] 10-31-22 04:00:26 PM _screenwood



PLAN

SANITARY SEWER LAYOUT – CAMPUS DR

STATION	NORTHING	EASTING	BEARING OR Δ	DISTANCE	DESCRIPTION
170+00.00	2150361.68'	6055350.87'	UNK	UNK	MH 17-702-A4
DNE	DNE	DNE	N/A	N/A	MH 17-702-A5

NOTES:

- FOR GENERAL NOTES SEE SHEET 2 OF THE PLANS.
- LOCATE, RECONSTRUCT, EXTEND, AND CONNECT ACTIVE LATERALS TO NEW SEWER MAIN. REMOVE EXISTING CLEANOUTS AND PROVIDE TWO-WAY CLEANOUTS WITH RISER, FRAME, CONCRETE COLLAR AND COVER.
- LOWER LATERALS SHALL BE HDPE SDR-17.
- RECONSTRUCT CITY MONUMENTS DISTURBED BY SEWER INSTALLATION. REFER TO STANDARD DETAIL PLAN NOS. 8090, 8091 AND 8179 OF THE SPECIFICATIONS, AS APPLICABLE.
- IN ACCORDANCE WITH SPECIAL CONDITION NO. 13 IN THE SPECIAL PROVISIONS, PRIOR TO PIPE-BURSTING, 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. 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.
- WORK SHOWN ON THIS SHEET IS LOCATED IN CITY OF BERKELEY FIRE ZONE 2 AND IS SUBJECT TO ALL WORK REQUIREMENTS AND RESTRICTIONS.



11/1/2022

FOR CITY USE ONLY
REFERENCE SEWER MAP NO.
364 (50)

PROJECT MANAGER:	DATE	DEPICTION OF MONUMENTS:	DATE
0 1 2 3		WATERSHED REVIEW:	
FOR REDUCED PLANS - ORIGINAL SCALE IS IN INCHES		DATE	

SUBMITTED:	DATE	DESIGN:	SMG
R.C.E.:	N/A	DRAWN:	MC
EXP.:	N/A	CHECK:	ALB
SUPERVISING CIVIL ENGINEER		AS BUILT:	

APPROVED:	DATE	HORIZ.:	1"=20'
R.C.E.:	N/A	VERT.:	1"=5'
EXP.:	N/A	BOOK:	
CITY ENGINEER		DATE:	10/31/22

DATE:	10/31/22
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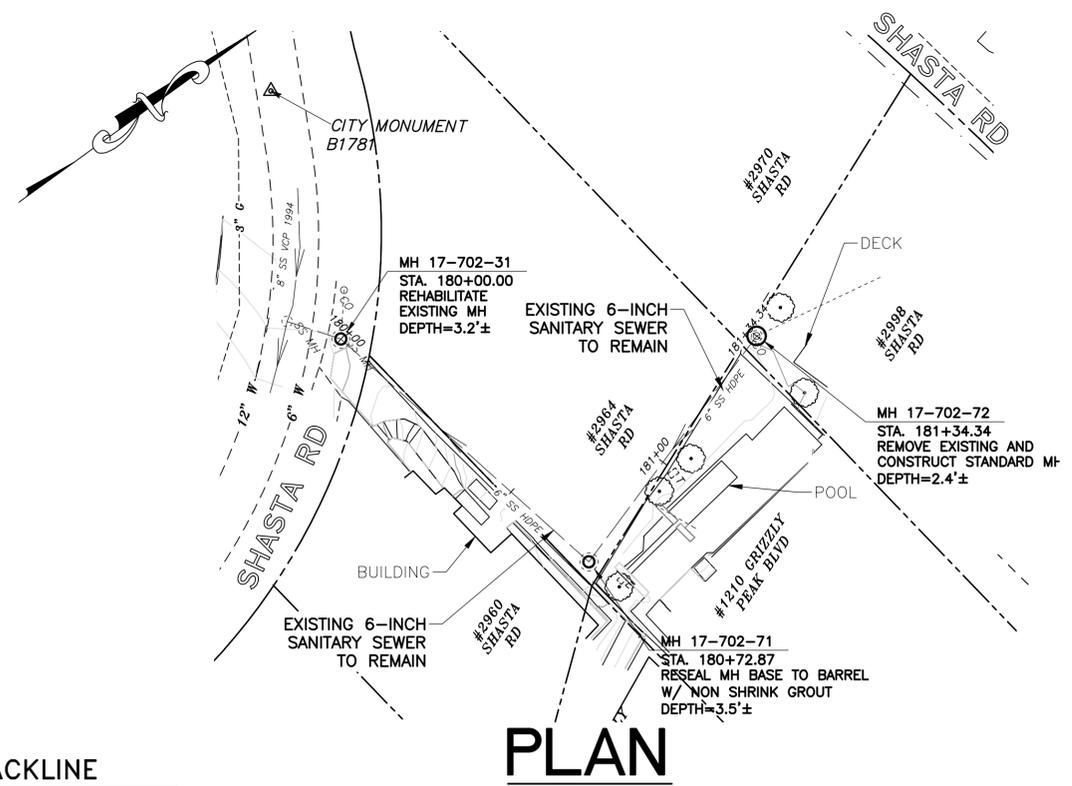
CITY OF BERKELEY
DEPARTMENT OF PUBLIC WORKS

SANITARY SEWER REHABILITATION
1212 CAMPUS DR
PLAN AND PROFILE

PLAN	8265
FILE	502-713
SHEET	23 OF 58

REVISION	MARK	DATE	DESCRIPTION	APPROVAL

N:\Clients\677 City of Berkeley\30-22-07 Parnassus Swr Rehab\CAD\Production\25 - 67730-2207_2960_SHASTA RD.dwg [2960_SHASTA RD] 10-31-22 04:00:54 PM _screenwood



PLAN

SANITARY SEWER LAYOUT – SHASTA BACKLINE

STATION	NORTHING	EASTING	BEARING OR Δ	DISTANCE	DESCRIPTION
180+00.00	2151071.52'	6055880.97'	S77°44'05.74W	72.87'±	MH 17-702-31
180+72.87	2151087.00'±	6055952.17'±	S17°28'15.33E	61.48'	MH 17-702-71
181+32.10	2151145.64'	6055933.71'	N/A	N/A	MH 17-702-72

NOTES:

- FOR GENERAL NOTES SEE SHEET 2 OF THE PLANS.
- LOCATE, RECONSTRUCT, EXTEND, AND CONNECT ACTIVE LATERALS TO NEW SEWER MAIN. REMOVE EXISTING CLEANOUTS AND PROVIDE TWO-WAY CLEANOUTS WITH RISER, FRAME, CONCRETE COLLAR AND COVER.
- LOWER LATERALS SHALL BE HDPE SDR-17.
- RECONSTRUCT CITY MONUMENTS DISTURBED BY SEWER INSTALLATION. REFER TO STANDARD DETAIL PLAN NOS. 8090, 8091 AND 8179 OF THE SPECIFICATIONS, AS APPLICABLE.
- IN ACCORDANCE WITH SPECIAL CONDITION NO. 13 IN THE SPECIAL PROVISIONS, PRIOR TO PIPE-BURSTING, 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. 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.
- WORK SHOWN ON THIS SHEET IS LOCATED IN CITY OF BERKELEY FIRE ZONE 2 AND IS SUBJECT TO ALL WORK REQUIREMENTS AND RESTRICTIONS.



11/1/2022

FOR CITY USE ONLY
REFERENCE SEWER MAP NO.
367 (50)

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

SUBMITTED:	DATE	DESIGN:	SMG
SUPERVISING CIVIL ENGINEER:	R.C.E. N/A	DRAWN:	MC
APPROVED:	DATE	CHECK:	ALB
CITY ENGINEER:	R.C.E. N/A	AS BUILT:	

HORIZ.:	1"=20'
VERT.:	1"=5'
BOOK:	
DATE:	10/31/22



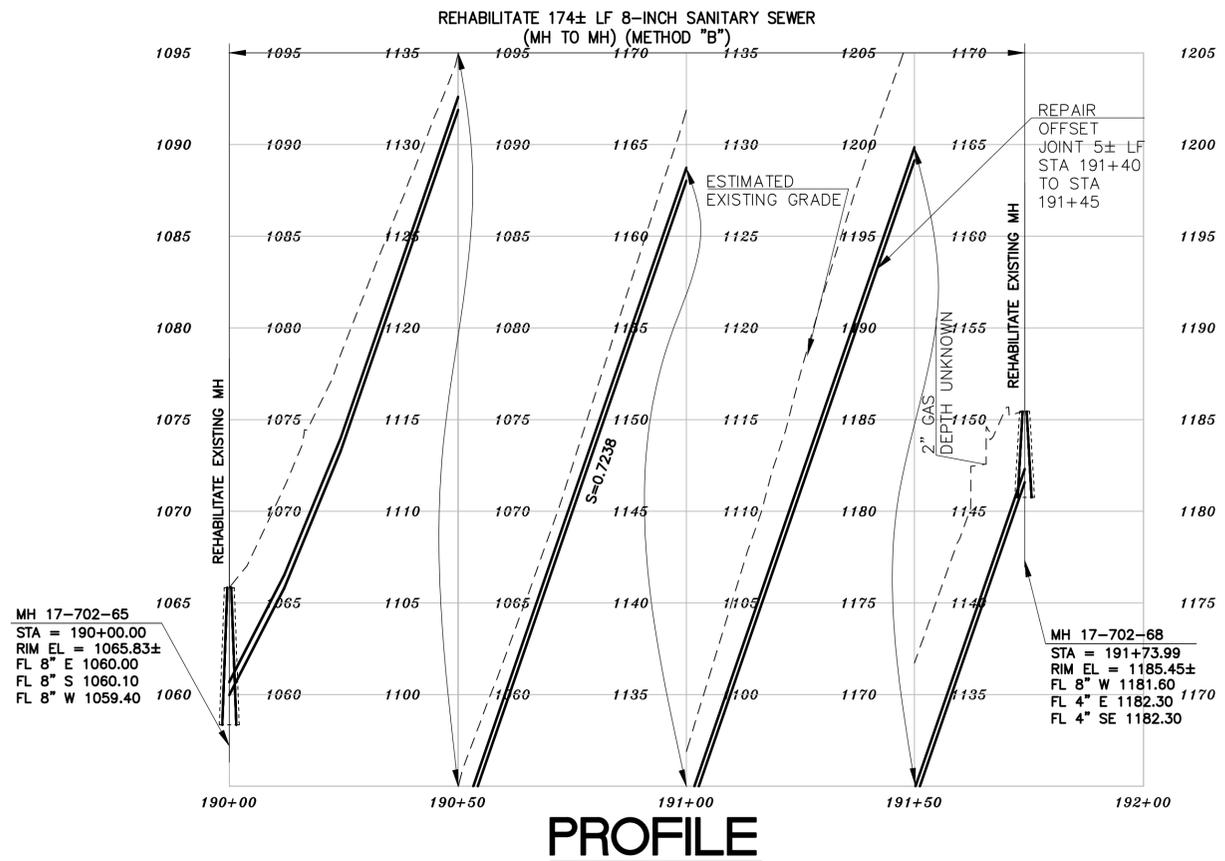
CITY OF BERKELEY
DEPARTMENT OF PUBLIC WORKS

SANITARY SEWER REHABILITATION
2960 SHASTA RD
PLAN AND PROFILE

PLAN	8265
FILE	502-713
SHEET	24 OF 58

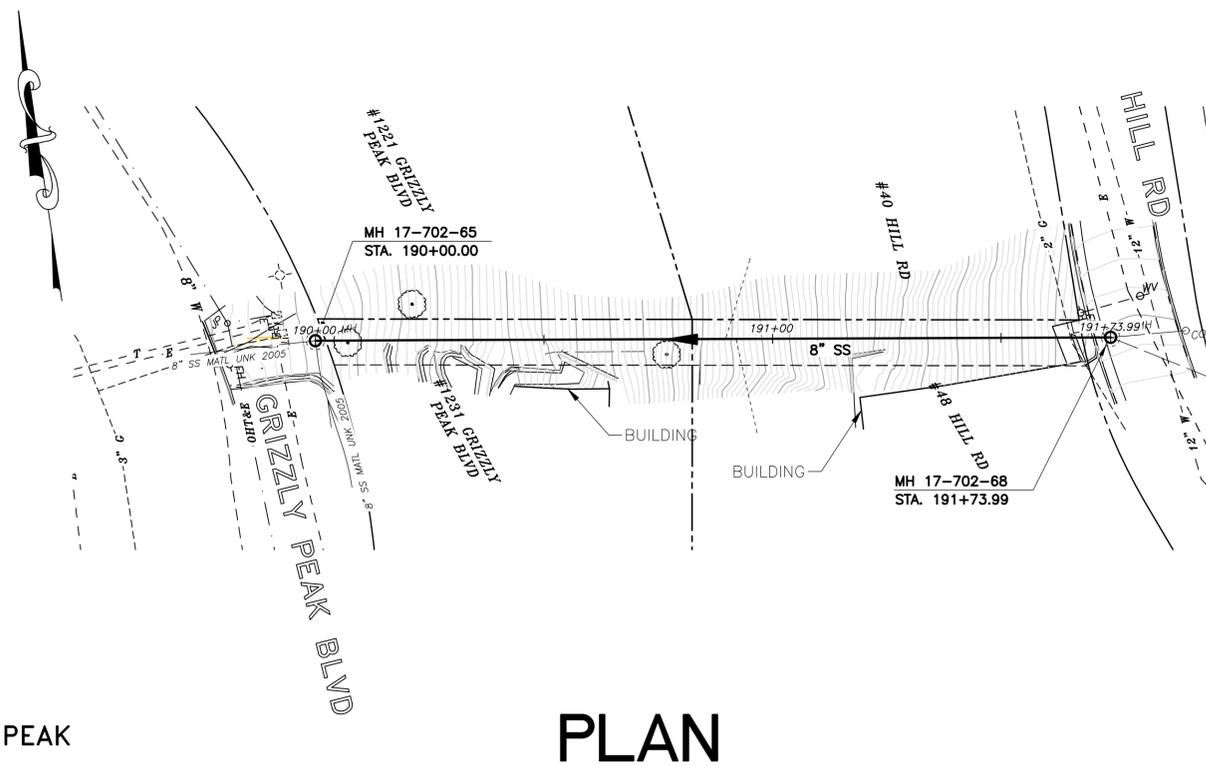
APPROVAL	
DESCRIPTION	
DATE	
MARK	
REVISION	

N:\Clients\677 City of Berkeley\30-22-07 Parnassus Swr Rehab\CAD\Production\26 - 67730-2207_1231 GRIZZLY PEAK BLVD.dwg [1231 GRIZZLY PEAK BLVD] 10-31-22 04:01:28 PM _sgreenwood



NOTES:

A. FOR METHOD "B" CONSTRUCTION, CONTRACTOR TO VERIFY 5-FOOT MINIMUM RADIAL CLEARANCE WITH CRITICAL UTILITIES INCLUDING WATER AND GAS MAINS. VERIFY 5-FOOT MINIMUM HORIZONTAL CLEARANCE WITH BUILDINGS AND FOUNDATIONS. ONLY HAND EXCAVATION IS PERMITTED TO REINSTATE LATERALS.



- NOTES:**
- FOR GENERAL NOTES SEE SHEET 2 OF THE PLANS.
 - LOCATE, RECONSTRUCT, EXTEND, AND CONNECT ACTIVE LATERALS TO NEW SEWER MAIN. REMOVE EXISTING CLEANOUTS AND PROVIDE TWO-WAY CLEANOUTS WITH RISER, FRAME, CONCRETE COLLAR AND COVER.
 - LOWER LATERALS SHALL BE HDPE SDR-17.
 - RECONSTRUCT CITY MONUMENTS DISTURBED BY SEWER INSTALLATION. REFER TO STANDARD DETAIL PLAN NOS. 8090, 8091 AND 8179 OF THE SPECIFICATIONS, AS APPLICABLE.
 - IN ACCORDANCE WITH SPECIAL CONDITION NO. 13 IN THE SPECIAL PROVISIONS, PRIOR TO PIPE-BURSTING, 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. 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.
 - WORK SHOWN ON THIS SHEET IS LOCATED IN CITY OF BERKELEY FIRE ZONE 2 AND IS SUBJECT TO ALL WORK REQUIREMENTS AND RESTRICTIONS.

STATION	NORTHING	EASTING	BEARING OR Δ	DISTANCE	DESCRIPTION
190+00.00	2150952.28'	6056194.81'	S81°41'45E	173.99'	MH 17-702-65
191+73.99	2150927.14'	6056366.98'	N/A	N/A	MH 17-702-68

FOR CITY USE ONLY
REFERENCE SEWER MAP NO.
366 (50)

PROJECT MANAGER: _____ DATE _____	DEPICTION OF MONUMENTS: _____ DATE _____	SUBMITTED: _____ DATE _____	DESIGN: _____	HORIZ. _____	VERT. _____	BOOK _____	DATE _____
SURVEY CHIEF OF PARTY _____	WATERSHED REVIEW: _____ DATE _____	SUPERVISING CIVIL ENGINEER _____	DRAWN _____	R.C.E. N/A	R.C.E. N/A	10/31/22	
			CHECK _____	EXP. N/A	EXP. N/A		
			AS BUILT _____				



CITY OF BERKELEY
DEPARTMENT OF PUBLIC WORKS

SANITARY SEWER REHABILITATION
1231 GRIZZLY PEAK BLVD
PLAN AND PROFILE

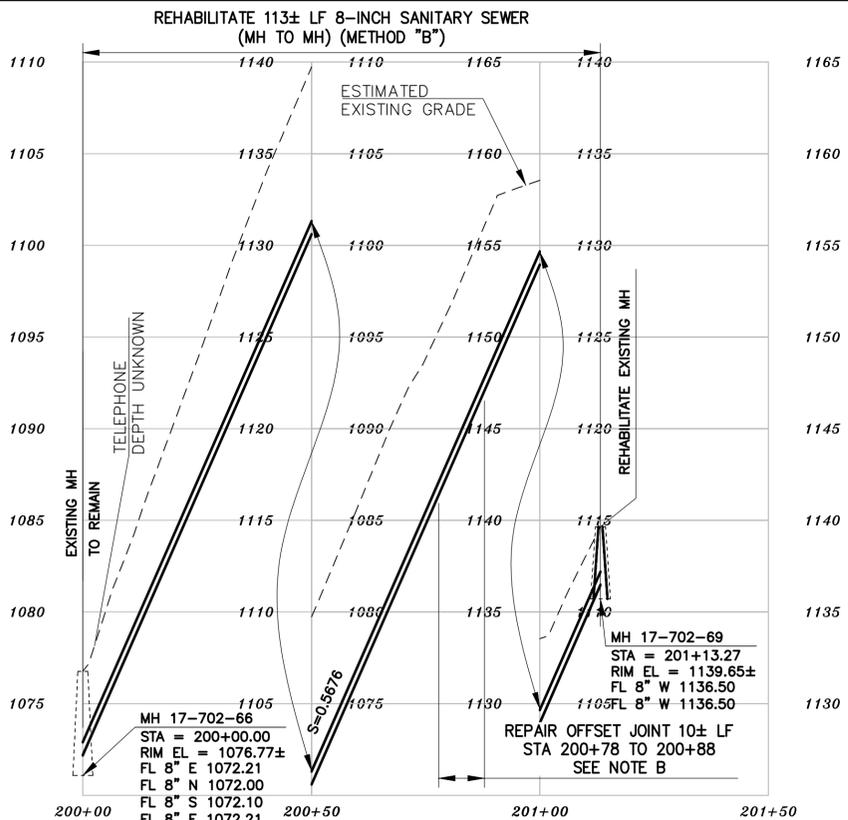
PLAN 8265
FILE 502-713
SHEET 25 OF 58



11/1/2022

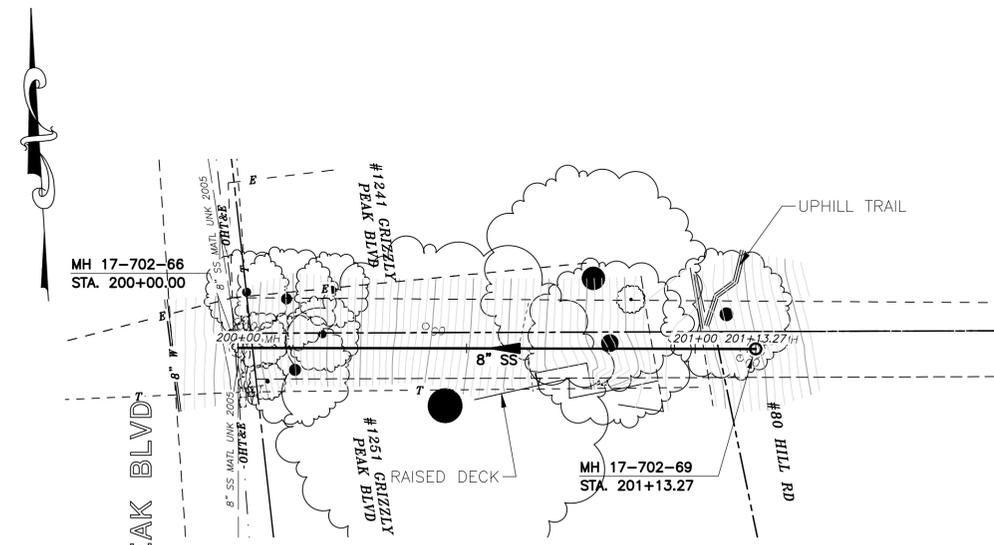
APPROVAL
DESCRIPTION
DATE
MARK
REVISION

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PROFILE

- NOTES:**
- A. FOR METHOD "B" CONSTRUCTION, CONTRACTOR TO VERIFY 5-FOOT MINIMUM RADIAL CLEARANCE WITH CRITICAL UTILITIES INCLUDING WATER AND GAS MAINS. VERIFY 5-FOOT MINIMUM HORIZONTAL CLEARANCE WITH BUILDINGS AND FOUNDATIONS. ONLY HAND EXCAVATION IS PERMITTED TO REINSTATE LATERALS.
 - B. PERFORM SPOT REPAIRS AT LOCATIONS SHOWN (METHOD "C"). ONLY HAND EXCAVATION (METHOD "C") WILL BE ALLOWED FOR WORK LOCATED ON PRIVATE PROPERTY.



PLAN

- NOTES:**
1. FOR GENERAL NOTES SEE SHEET 2 OF THE PLANS.
 2. LOCATE, RECONSTRUCT, EXTEND, AND CONNECT ACTIVE LATERALS TO NEW SEWER MAIN. REMOVE EXISTING CLEANOUTS AND PROVIDE TWO-WAY CLEANOUTS WITH RISER, FRAME, CONCRETE COLLAR AND COVER.
 3. LOWER LATERALS SHALL BE HDPE SDR-17.
 4. RECONSTRUCT CITY MONUMENTS DISTURBED BY SEWER INSTALLATION. REFER TO STANDARD DETAIL PLAN NOS. 8090, 8091 AND 8179 OF THE SPECIFICATIONS, AS APPLICABLE.
 5. IN ACCORDANCE WITH SPECIAL CONDITION NO. 13 IN THE SPECIAL PROVISIONS, PRIOR TO PIPE-BURSTING, 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. 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.
 6. WORK SHOWN ON THIS SHEET IS LOCATED IN CITY OF BERKELEY FIRE ZONE 2 AND IS SUBJECT TO ALL WORK REQUIREMENTS AND RESTRICTIONS.

SANITARY SEWER LAYOUT – GRIZZLY PEAK BACKLINE

STATION	NORTHING	EASTING	BEARING OR Δ	DISTANCE	DESCRIPTION
200+00.00	2150740.59'	6056188.43'	86°27'50.37"	113.27	MH 17-702-66
201+13.27	2150733.60'	6056301.49'	N/A	N/A	MH 17-702-69

FOR CITY USE ONLY
REFERENCE SEWER MAP NO.
366 (50)

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

DEPICTION OF MONUMENTS:	DATE
SUPERVISING CIVIL ENGINEER	DATE
CITY ENGINEER	DATE

SUBMITTED:	DATE
SUPERVISING CIVIL ENGINEER	DATE
APPROVED:	DATE
CITY ENGINEER	DATE

DESIGN	SMG
DRAWN	MC
CHECK	ALB
AS BUILT	

HORIZ.	1"=20'
VERT.	1"=5'
BOOK	
DATE	10/31/22



CITY OF BERKELEY
DEPARTMENT OF PUBLIC WORKS

SANITARY SEWER REHABILITATION
1251 GRIZZLY PEAK BLVD
PLAN AND PROFILE

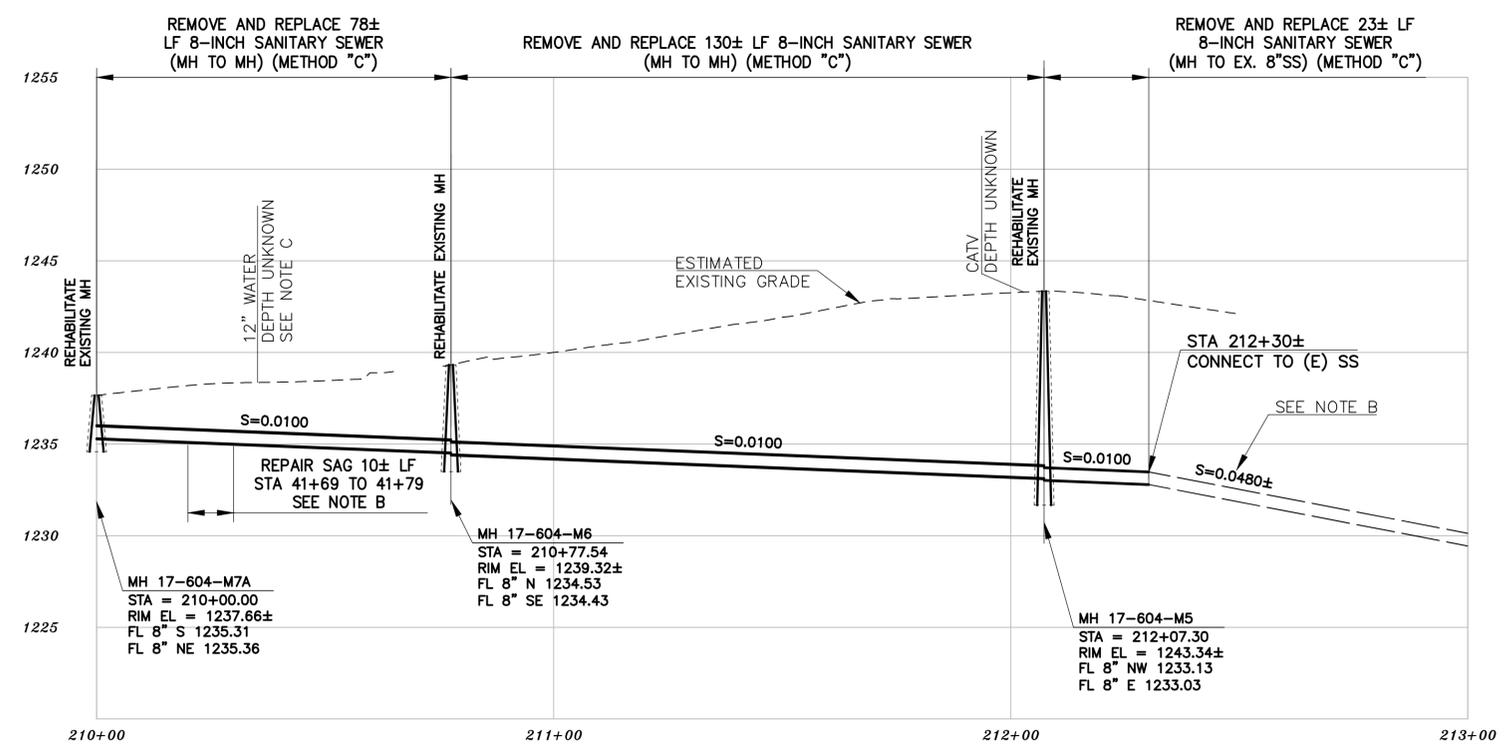
PLAN 8265
FILE 502-713
SHEET 26 OF 58



11/1/2022

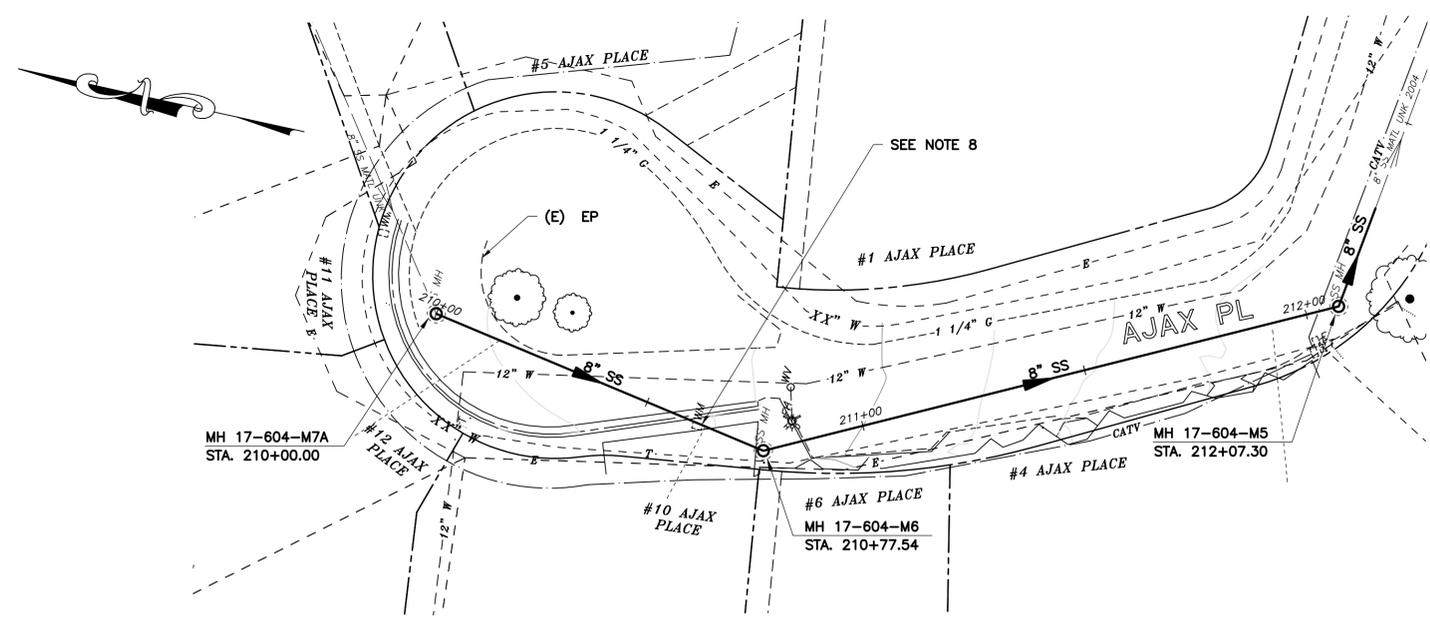
APPROVAL	
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DATE	
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REVISION	

N:\Clients\677 City of Berkeley\30-22-07 Parnassus Swr Rehab\CAD\Production\28 - 67730-2207_12 AJAX PLACE.dwg [AJAX PLACE] 10-31-22 04:02:28 PM sgreenwood



PROFILE

- NOTES:**
- A. CONTRACTOR SHALL POTHOLE ALL UTILITIES PRIOR TO ORDERING MATERIALS. CONTACT ENGINEER IMMEDIATELY IF ANY CONFLICTS EXIST BEFORE PROCEEDING WITH WORK.
 - B. DOWNSTREAM MH 17-604-M4 WAS NOT SURVEYED (NOT SHOWN IN PLAN). CONTRACTOR SHALL SURVEY MH 17-605-M4 TO CONFIRM EXISTING PIPE SLOPE BETWEEN MH 17-604-M5 AND MH 17-604-M4. NOTIFY ENGINEER IF SLOPE DIFFERS FROM WHAT IS SHOWN IN PROFILE. RELOCATION OF CONNECTION POINT MAY BE NECESSARY. POTHOLE EXISTING SEWER TO CONFIRM HORIZONTAL AND VERTICAL LOCATION PRIOR TO ORDERING MH MATERIALS.
 - C. PRIOR TO CONSTRUCTION, POTHOLE (E) 12" WATER TO DETERMINE IF PROPOSED SEWER IS IN CONFLICT. IF CONFLICT EXISTS, NOTIFY ENGINEER IMMEDIATELY FOR FURTHER DIRECTION.



PLAN

- NOTES:**
1. FOR GENERAL NOTES SEE SHEET 2 OF THE PLANS.
 2. LOCATE, RECONSTRUCT, EXTEND, AND CONNECT ACTIVE LATERALS TO NEW SEWER MAIN. REMOVE EXISTING CLEANOUTS AND PROVIDE TWO-WAY CLEANOUTS WITH RISER, FRAME, CONCRETE COLLAR AND COVER.
 3. LOWER LATERALS SHALL BE HDPE SDR-17.
 4. RECONSTRUCT CITY MONUMENTS DISTURBED BY SEWER INSTALLATION. REFER TO STANDARD DETAIL PLAN NOS. 8090, 8091 AND 8179 OF THE SPECIFICATIONS, AS APPLICABLE.
 5. IN ACCORDANCE WITH SPECIAL CONDITION NO. 13 IN THE SPECIAL PROVISIONS, PRIOR TO PIPE-BURSTING, 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. 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.
 6. WORK SHOWN ON THIS SHEET IS LOCATED IN CITY OF BERKELEY FIRE ZONE 2 AND IS SUBJECT TO ALL WORK REQUIREMENTS AND RESTRICTIONS.
 7. ALL DAMAGED/DISPLACED SURFACE FEATURES AND LANDSCAPING SHALL BE REPLACED IN KIND.
 8. SEWER IS LOCATED DIRECTLY BELOW WATER METER BOX. PROTECT METER AND SERVICE LINE IN PLACE. REMOVE AND REPLACE METER BOX IN KIND TO PERFORM PROPOSED WORK.

SANITARY SEWER LAYOUT - AJAX PLACE

STATION	NORTHING	EASTING	BEARING OR Δ	DISTANCE	DESCRIPTION
210+00.00	2150680.50'	6056630.04'	S8°50'51"W	77.54'	MH 17-604-M7A
210+77.54	2150603.88'	6056618.11'	S38°52'35"E	129.76'	MH 17-604-M6
212+07.30	2150489.18'	6056678.78'	S83°15'36"E	25.53'	MH 17-604-M5
212+32.83	2150486.18'	6056704.13'	N/A	N/A	MH 17-604-M5A

FOR CITY USE ONLY
REFERENCE SEWER MAP NO.
365, 366 (50)

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

DEPICTION OF MONUMENTS: _____ DATE: _____
 SUPERVISING CIVIL ENGINEER: _____ DATE: _____
 CITY ENGINEER: _____ DATE: _____

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

DESIGN: SMG
 DRAWN: MC
 CHECK: ALB
 AS BUILT: _____

HORIZ. 1"=20'
 VERT. 1"=5'
 BOOK: _____
 DATE: 10/31/22



CITY OF BERKELEY
DEPARTMENT OF PUBLIC WORKS

SANITARY SEWER REHABILITATION
AJAX PLACE
PLAN AND PROFILE



11/1/2022

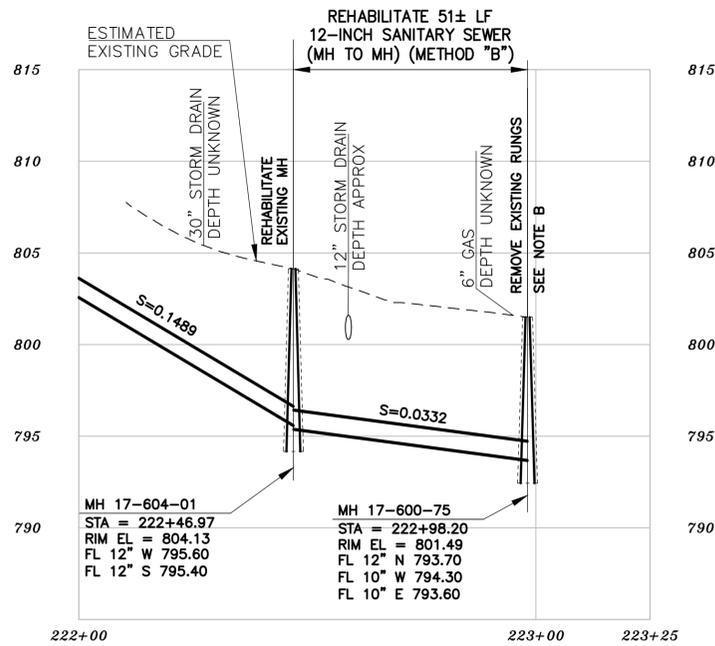
PLAN 8265
 FILE 502-713
 SHEET 27 OF 58

APPROVAL DESCRIPTION DATE REVISION MARK

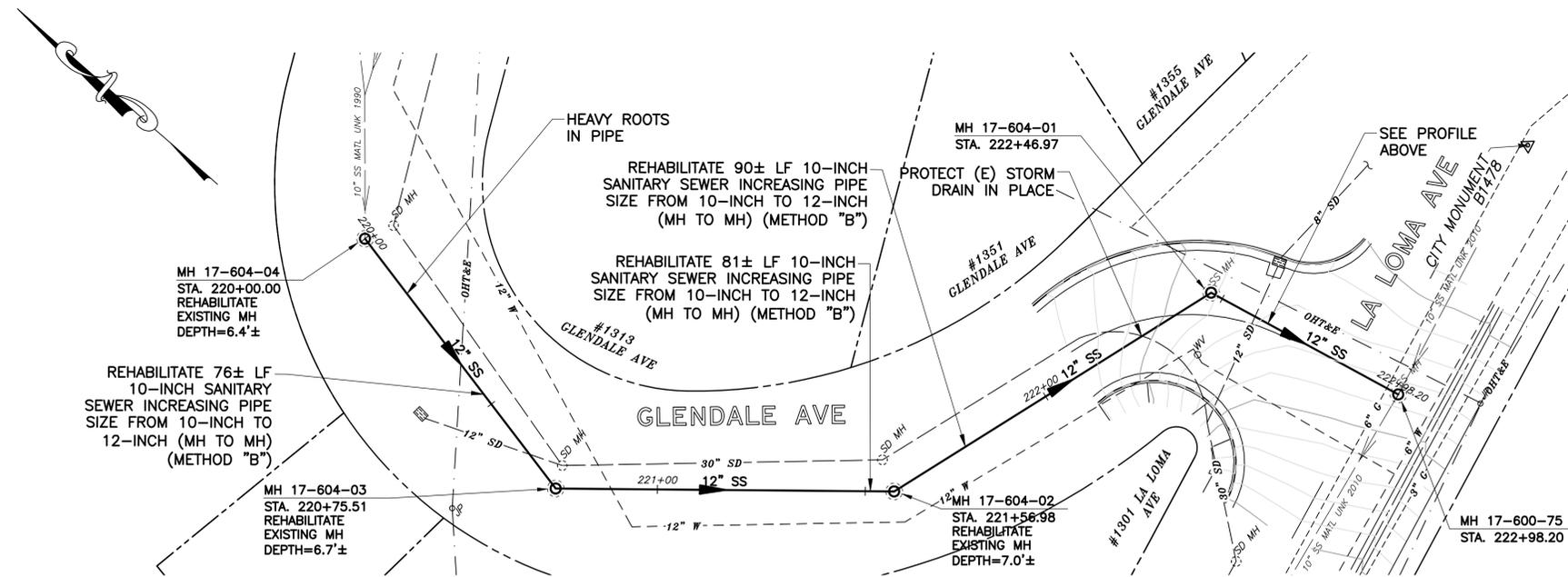
N:\Clients\677 City of Berkeley\30-22-07 Parnassus Swr Rehab\CAD\Production\29 - 67730-2207_1313 GLENDALE AVE.dwg [1313 GLENDALE AVE] 10-31-22 04:02:57 PM sgreenwood

NOTES:

- A. FOR METHOD "B" CONSTRUCTION, CONTRACTOR TO VERIFY 5-FOOT MINIMUM RADIAL CLEARANCE WITH CRITICAL UTILITIES INCLUDING WATER AND GAS MAINS. VERIFY 5-FOOT MINIMUM HORIZONTAL CLEARANCE WITH BUILDINGS AND FOUNDATIONS. ONLY HAND EXCAVATION IS PERMITTED TO REINSTATE LATERALS ON PRIVATE PROPERTY.
- B. FILL VOIDS CAUSED BY RUNG REMOVAL WITH NON-SHRINK GROUT.



PROFILE



PLAN

NOTES:

- 1. FOR GENERAL NOTES SEE SHEET 2 OF THE PLANS.
- 2. LOCATE, RECONSTRUCT, EXTEND, AND CONNECT ACTIVE LATERALS TO NEW SEWER MAIN. REMOVE EXISTING CLEANOUTS AND PROVIDE TWO-WAY CLEANOUTS WITH RISER, FRAME, CONCRETE COLLAR AND COVER.
- 3. LOWER LATERALS SHALL BE HDPE SDR-17.
- 4. RECONSTRUCT CITY MONUMENTS DISTURBED BY SEWER INSTALLATION. REFER TO STANDARD DETAIL PLAN NOS. 8090, 8091 AND 8179 OF THE SPECIFICATIONS, AS APPLICABLE.
- 5. IN ACCORDANCE WITH SPECIAL CONDITION NO. 13 IN THE SPECIAL PROVISIONS, PRIOR TO PIPE-BURSTING, 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. 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.
- 6. WORK SHOWN ON THIS SHEET IS LOCATED IN CITY OF BERKELEY FIRE ZONE 2 AND IS SUBJECT TO ALL WORK REQUIREMENTS AND RESTRICTIONS.

SANITARY SEWER LAYOUT - GLENDALE

STATION	NORTHING	EASTING	BEARING OR Δ	DISTANCE	DESCRIPTION
220+00.00	2149493.44'	6055105.96'	S09°59'03"W	75.51'	MH 17-604-04
220+75.51	2149419.07'	6055092.87'	S42°06'23"E	81.46'	MH 17-604-03
221+56.98	2149358.64'	6055147.49'	S74°37'25"	89.99'	MH 17-604-02
222+46.97	2149334.77'	6055234.26'	S14°08'24"E	51.23'	MH 17-604-01
222+98.20	2149285.10'	6055246.78'	N/A	N/A	MH 17-600-75

FOR CITY USE ONLY
REFERENCE SEWER MAP NO.
343 (50)

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

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

SUBMITTED: _____ DATE _____
 R.C.E. N/A
 EXP. N/A
 SUPERVISING CIVIL ENGINEER _____ DATE _____
 R.C.E. N/A
 EXP. N/A

DESIGN: SMG
 DRAWN: MC
 CHECK: ALB
 AS BUILT

HORIZ. 1"=20'
 VERT. 1"=5'
 BOOK _____
 DATE 10/31/22



CITY OF BERKELEY
DEPARTMENT OF PUBLIC WORKS

SANITARY SEWER REHABILITATION
1313 GLENDALE AVE
PLAN AND PROFILE

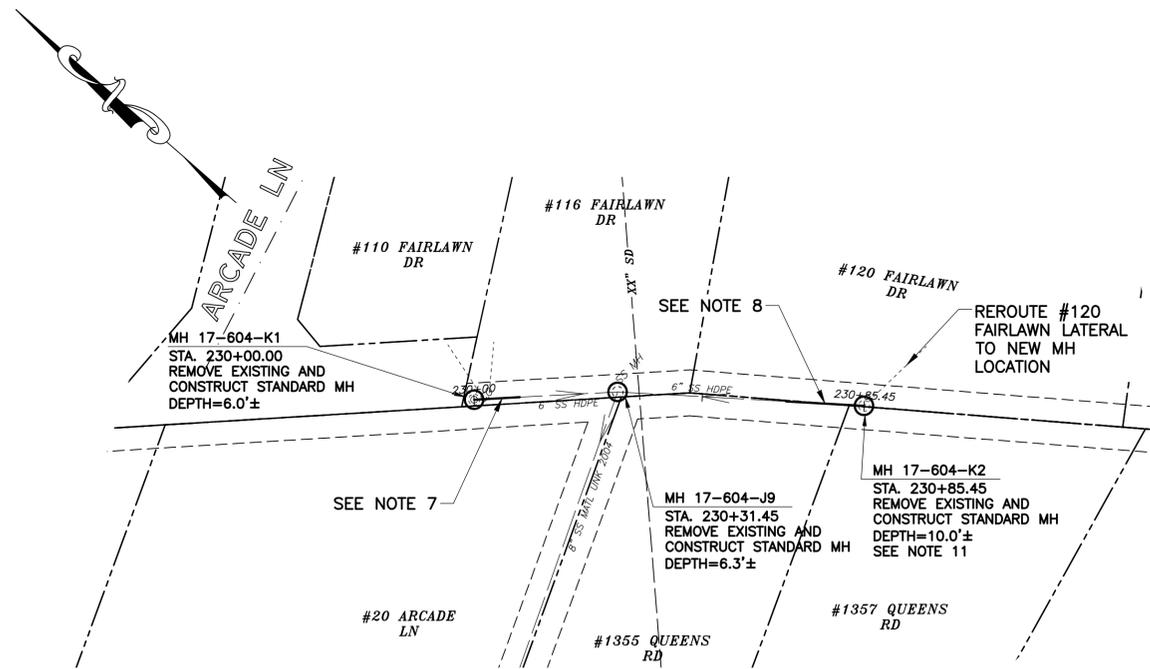
PLAN 8265
 FILE 502-713
 SHEET 28 OF 58



11/1/2022

APPROVAL
 DESCRIPTION
 DATE
 MARK
 REVISION

N:\Clients\677 City of Berkeley\CAD\Production\30 - 67730-2207_116 FAIRLAWN DR.dwg [116 FAIRLAWN DR] 10-31-22 04:03:16 PM screenwood



PLAN

SANITARY SEWER LAYOUT – FAIRLAWN BACKLINE

STATION	NORTHING	EASTING	BEARING OR Δ	DISTANCE	DESCRIPTION
230+00.00	2149800.78'	2149800.78'	S45°41'35"E	31.45'	MH 17-604-K1
230+31.45	2149778.81'	6056116.08'	S39°23'17"E	54.00'	MH 17-604-J9
230+85.45	2149737.07'	6056150.35'	N/A	N/A	MH 17-604-K2

NOTES:

- FOR GENERAL NOTES SEE SHEET 2 OF THE PLANS.
- LOCATE, RECONSTRUCT, EXTEND, AND CONNECT ACTIVE LATERALS TO NEW SEWER MAIN. REMOVE EXISTING CLEANOUTS AND PROVIDE TWO-WAY CLEANOUTS WITH RISER, FRAME, CONCRETE COLLAR AND COVER.
- LOWER LATERALS SHALL BE HDPE SDR-17.
- RECONSTRUCT CITY MONUMENTS DISTURBED BY SEWER INSTALLATION. REFER TO STANDARD DETAIL PLAN NOS. 8090, 8091 AND 8179 OF THE SPECIFICATIONS, AS APPLICABLE.
- IN ACCORDANCE WITH SPECIAL CONDITION NO. 13 IN THE SPECIAL PROVISIONS, PRIOR TO PIPE-BURSTING, 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. 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.
- WORK SHOWN ON THIS SHEET IS LOCATED IN CITY OF BERKELEY FIRE ZONE 2 AND IS SUBJECT TO ALL WORK REQUIREMENTS AND RESTRICTIONS.
- REPAIR DEFORMED TAP AND PIPE 10± LF STA 230+00± TO 230+10± (METHOD "C").
- REPAIR SAG 18± LF 230+67± TO 230+85± (METHOD "C").
- ONLY HAND EXCAVATION (METHOD "C") WILL BE ALLOWED FOR WORK LOCATED ON PRIVATE PROPERTY.
- ALL DAMAGED/DISPLACED SURFACE FEATURES AND LANDSCAPING SHALL BE REPLACED IN KIND.
- MH NOT SURVEYED. CONTRACTOR SHALL VERIFY RIM AND INVERT PRIOR TO ORDERING MH MATERIALS. ONLY HAND EXCAVATION (METHOD "C") IS PERMITTED TO REMOVE, REPLACE, AND RELOCATE MH.



11/1/2022

FOR CITY USE ONLY
REFERENCE SEWER MAP NO.
342 (50)

PROJECT MANAGER: _____ DATE _____	DEPICTION OF MONUMENTS: _____ DATE _____	SUBMITTED: _____ DATE _____	DESIGN: SMG	HORIZ. 1"=20'
SURVEY CHIEF OF PARTY: _____	SUPERVISING CIVIL ENGINEER: _____	R.C.E. N/A	DRAWN: MC	VERT. 1"=5'
WATERSHED REVIEW: _____ DATE _____	APPROVED: _____ DATE _____	EXP. N/A	CHECK: ALB	BOOK: _____
FOR REDUCED PLANS - ORIGINAL SCALE IS IN INCHES	CITY ENGINEER: _____	EXP. N/A	AS BUILT: _____	DATE: 10/31/22



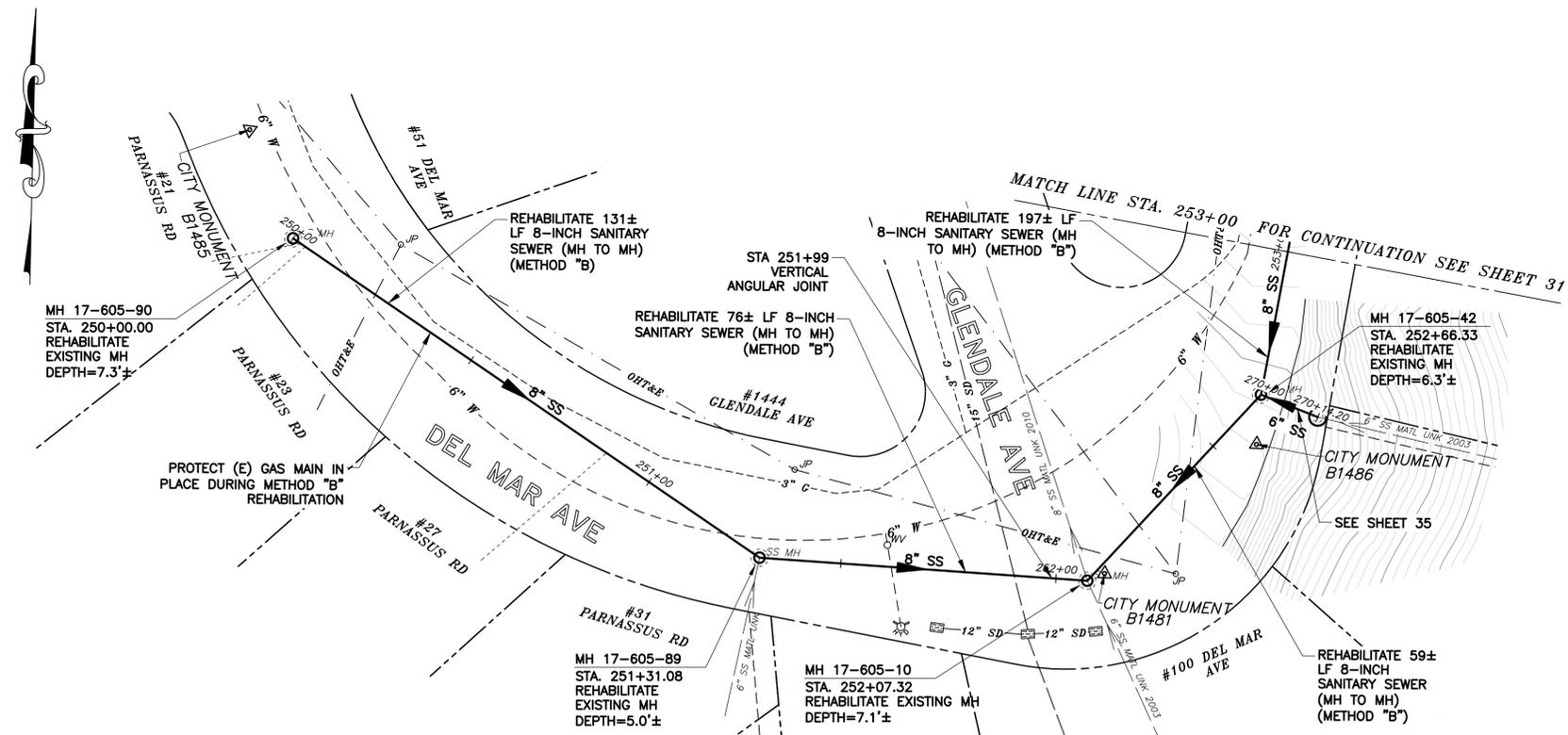
CITY OF BERKELEY
DEPARTMENT OF PUBLIC WORKS

SANITARY SEWER REHABILITATION
116 FAIRLAWN DR
PLAN AND PROFILE

PLAN 8265
FILE 502-713
SHEET 29 OF 58

REVISION	MARK	DATE	DESCRIPTION	APPROVAL

N:\Clients\677 City of Berkeley\30-22-07 Parnassus Swr Rehab\CAD\Production\32-36 - 67730-2207_DEL MAR AVE - CAMPUS DR.dwg [51 DEL MAR AVE] 10-31-22 04:03:47 PM sgreenwood



PLAN

SANITARY SEWER LAYOUT - DEL MAR

STATION	NORTHING	EASTING	BEARING OR Δ	DISTANCE	DESCRIPTION
250+00.00	2148670.30'	6055444.87'	S58°21'31"E	131.08'	MH 17-605-90
251+31.08	2148601.54'	6055556.46'	S88°41'02"E	76.24'	MH 17-605-89
252+66.33	2148644.76'	6055670.89'	N40°20'48"E	33.67'	MH 17-605-42
253+00.00	2148678.10'	6055675.54'	N/A	N/A	MATCHLINE

NOTES:

- FOR GENERAL NOTES SEE SHEET 2 OF THE PLANS.
- LOCATE, RECONSTRUCT, EXTEND, AND CONNECT ACTIVE LATERALS TO NEW SEWER MAIN. REMOVE EXISTING CLEANOUTS AND PROVIDE TWO-WAY CLEANOUTS WITH RISER, FRAME, CONCRETE COLLAR AND COVER.
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REVISION	MARK	DATE	DESCRIPTION	APPROVAL

FOR CITY USE ONLY
REFERENCE SEWER MAP NO.
337 (50)

PROJECT MANAGER: _____ DATE _____	DEPICTION OF MONUMENTS: _____ DATE _____	SUBMITTED: _____ DATE _____	DESIGN: SMG	HORIZ. 1"=20'
SURVEY CHIEF OF PARTY: _____	WATERSHED REVIEW: _____ DATE _____	SUPERVISING CIVIL ENGINEER: _____	DRAWN: MC	VERT. 1"=5'
		APPROVED: _____ DATE _____	CHECK: ALB	BOOK: _____
		CITY ENGINEER: _____	AS BUILT: _____	DATE: 10/31/22

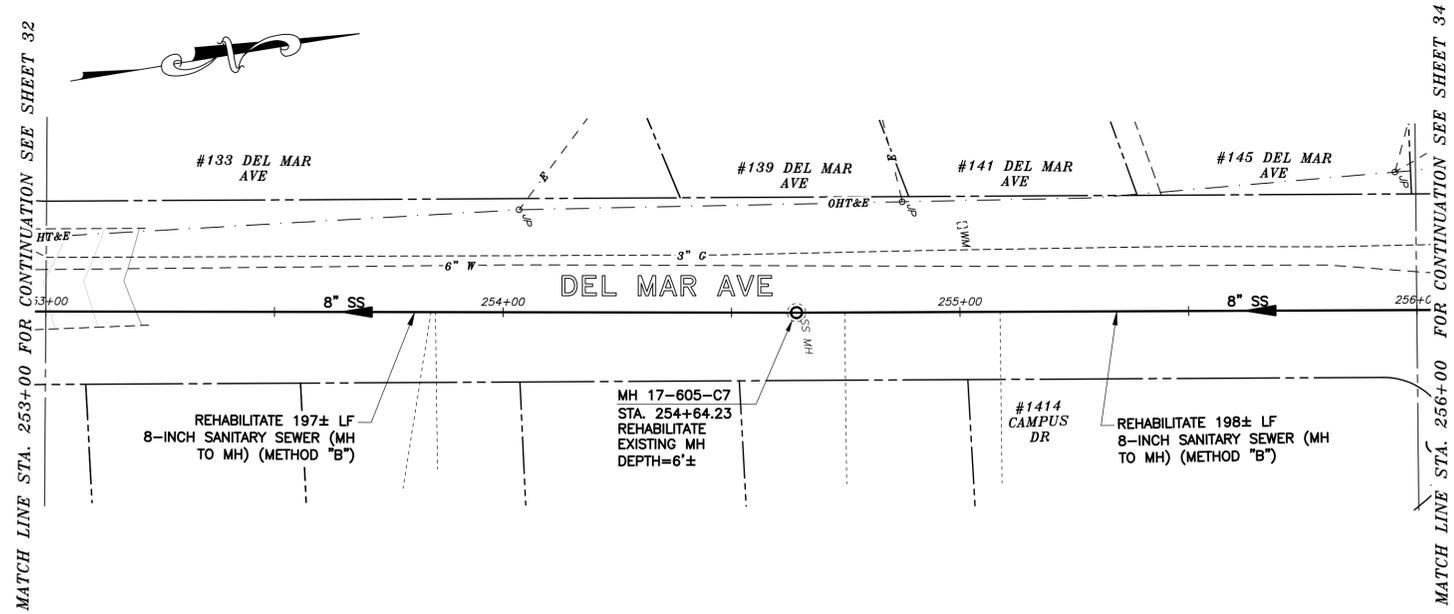


CITY OF BERKELEY
DEPARTMENT OF PUBLIC WORKS

SANITARY SEWER REHABILITATION
DEL MAR AVE - 1
PLAN AND PROFILE

PLAN 8265
FILE 502-713
SHEET 30 OF 58

N:\Clients\677 City of Berkeley\30-22-07 Parnassus Swr Rehab\CAD\Production\32-36 - 67730-2207_DEL MAR AVE - CAMPUS DR.dwg [133 DEL MAR AVE] 10-31-22 04:03:59 PM sgreenwood



SANITARY SEWER LAYOUT - DEL MAR

STATION	NORTHING	EASTING	BEARING OR Δ	DISTANCE	DESCRIPTION
253+00.00	2148678.10'	6055675.54'	N07°57'10"E	164.23'	MATCHLINE
254+64.23	2148840.76'	6055698.27'	N07°37'37"E	135.77'	MH 17-605-C7
256+00.00	2148975.32'	6055716.29'	N/A	N/A	MATCHLINE

PLAN

NOTES:

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- LOCATE, RECONSTRUCT, EXTEND, AND CONNECT ACTIVE LATERALS TO NEW SEWER MAIN. REMOVE EXISTING CLEANOUTS AND PROVIDE TWO-WAY CLEANOUTS WITH RISER, FRAME, CONCRETE COLLAR AND COVER.
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- FOR METHOD "B" CONSTRUCTION, CONTRACTOR TO VERIFY 5-FOOT MINIMUM RADIAL CLEARANCE WITH CRITICAL UTILITIES INCLUDING WATER AND GAS MAINS. VERIFY 5-FOOT MINIMUM HORIZONTAL CLEARANCE WITH BUILDINGS AND FOUNDATIONS. ONLY HAND EXCAVATION IS PERMITTED TO REINSTATE LATERALS ON PRIVATE PROPERTY.



11/1/2022

FOR CITY USE ONLY
REFERENCE SEWER MAP NO.
337 (50)

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

SUBMITTED:	DATE	DESIGN:	SMG
R.C.E. N/A		DRAWN:	MC
EXP. N/A		CHECK:	ALB
SUPERVISING CIVIL ENGINEER		AS BUILT:	

APPROVED:	DATE	HORIZ.:	1"=20'
R.C.E. N/A		VERT.:	1"=5'
EXP. N/A		BOOK:	
CITY ENGINEER		DATE:	10/31/22

DESIGN:	SMG	HORIZ.:	1"=20'
DRAWN:	MC	VERT.:	1"=5'
CHECK:	ALB	BOOK:	
AS BUILT:		DATE:	10/31/22



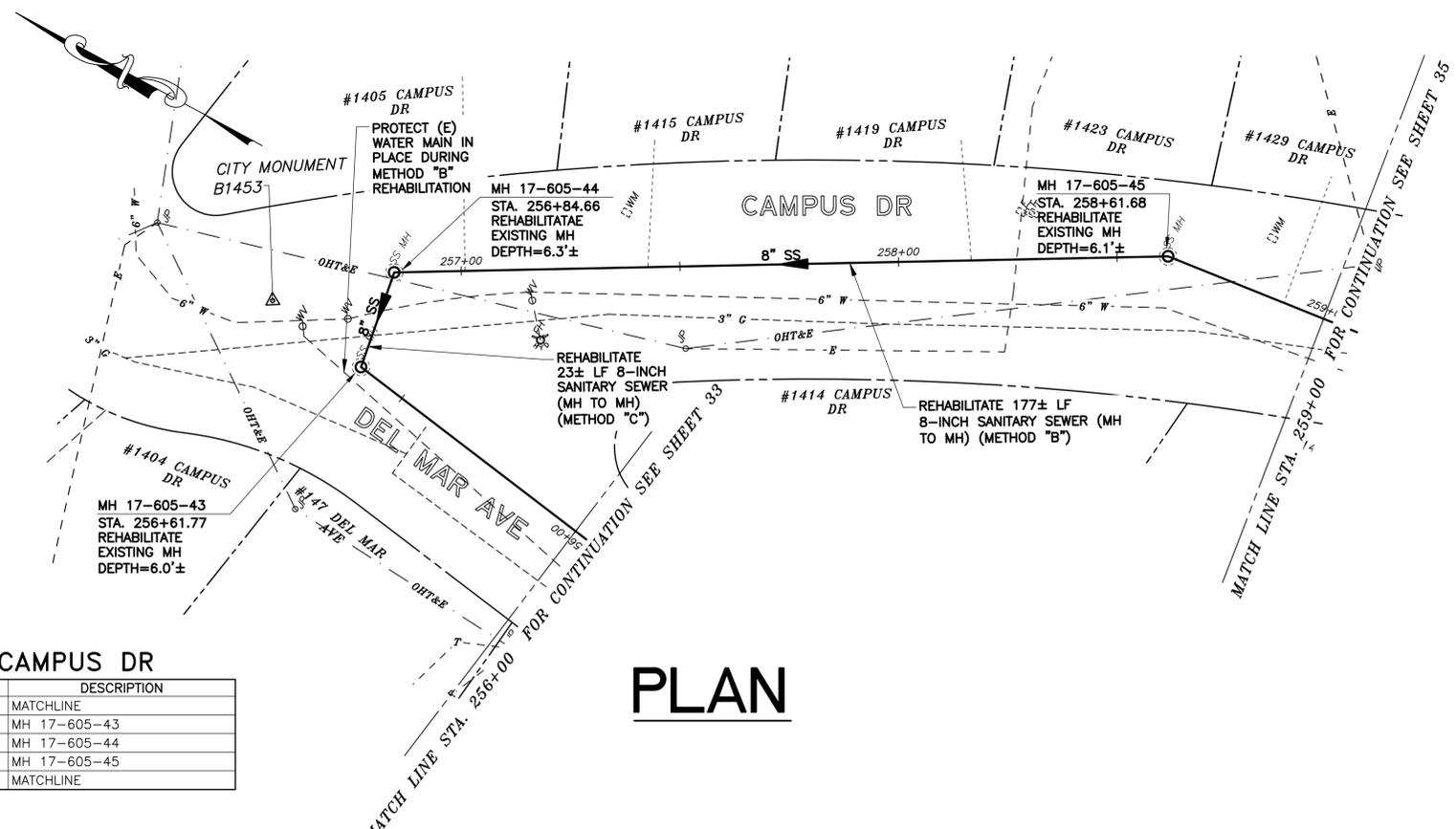
CITY OF BERKELEY
DEPARTMENT OF PUBLIC WORKS

SANITARY SEWER REHABILITATION
DEL MAR AVE - 2
PLAN AND PROFILE

PLAN	8265
FILE	502-713
SHEET	31 OF 58

REVISION	MARK	DATE	DESCRIPTION	APPROVAL

N:\Clients\677 City of Berkeley\30-22-07 Parnassus Swr Rehab\CAD\Production\32-36 - 67730-2207_DEL MAR AVE - CAMPUS DR.dwg [147 DEL MAR] 10-31-22 04:04:14 PM _sgreenwood



SANITARY SEWER LAYOUT - CAMPUS DR

STATION	NORTHING	EASTING	BEARING OR Δ	DISTANCE	DESCRIPTION
256+00.00	2148975.32'	6055716.29'	N07°37'37"E	61.77'	MATCHLINE
256+61.77	2149036.54'	6055724.48'	N79°41'13"E	22.90'	MH 17-605-43
256+84.66	2149040.64'	6055747.01'	S30°55'25"	177.02'	MH 17-605-44
258+61.68	2148888.78'	6055837.98'	S07°54'17"E	38.32'	MH 17-605-45
259+00.00	2148850.83'	6055843.25'	N/A	N/A	MATCHLINE

PLAN

NOTES:

- FOR GENERAL NOTES SEE SHEET 2 OF THE PLANS.
- LOCATE, RECONSTRUCT, EXTEND, AND CONNECT ACTIVE LATERALS TO NEW SEWER MAIN. REMOVE EXISTING CLEANOUTS AND PROVIDE TWO-WAY CLEANOUTS WITH RISER, FRAME, CONCRETE COLLAR AND COVER.
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11/1/2022

FOR CITY USE ONLY
REFERENCE SEWER MAP NO.
337 (50)

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

SUBMITTED:	DATE	DESIGN:	SMG
SUPERVISING CIVIL ENGINEER		DRAWN:	MC
APPROVED:		CHECK:	ALB
CITY ENGINEER		AS BUILT:	

R.C.E.:	N/A	HORIZ.:	1"=20'
EXP.:	N/A	VERT.:	1"=5'
R.C.E.:	N/A	BOOK:	
EXP.:	N/A	DATE:	10/31/22



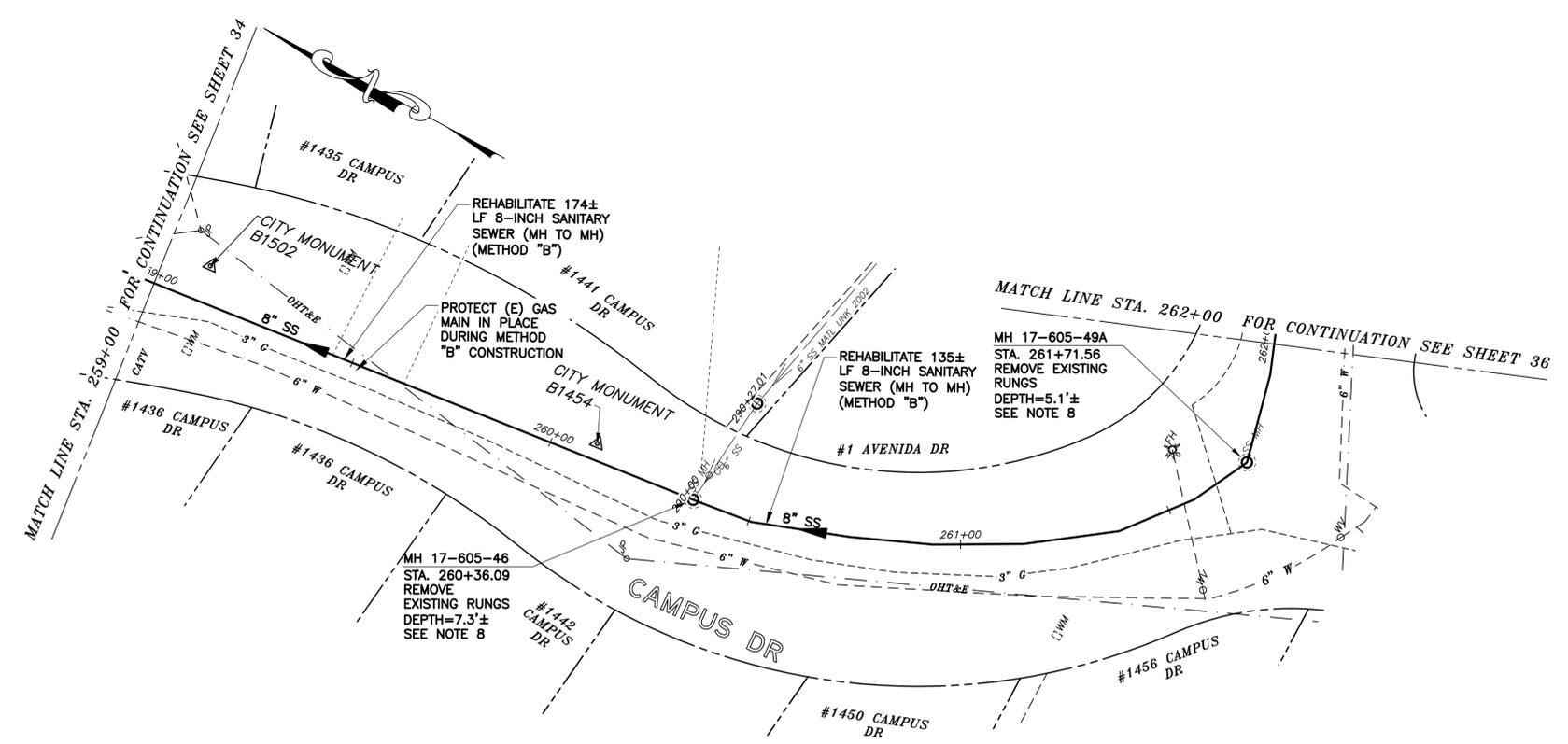
CITY OF BERKELEY
DEPARTMENT OF PUBLIC WORKS

SANITARY SEWER REHABILITATION
CAMPUS DR - 1
PLAN AND PROFILE

PLAN	8265
FILE	502-713
SHEET	32 OF 58

APPROVAL	
DESCRIPTION	
DATE	
MARK	
REVISION	

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SANITARY SEWER LAYOUT – CAMPUS DR

STATION	NORTHING	EASTING	BEARING OR Δ	DISTANCE	DESCRIPTION
259+00.00	2148850.83'	6055843.25'	S07°54'17"E	136.09'	MATCHLINE
260+36.09	2148716.04'	6055861.96'	UNK	135.47'	MH 17-605-46
261+71.56	2148607.73'	6055933.90'	UNK	108.79'	MH 17-605-49A
262+00.00	2148615.93'	6055961.09'	N/A	N/A	MATCHLINE

PLAN

NOTES:

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- FILL VOIDS CAUSED BY RUNG REMOVAL WITH NON-SHRINK GROUT.



11/1/2022

FOR CITY USE ONLY
REFERENCE SEWER MAP NO.
337 (50)

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

SUBMITTED:	DATE	DESIGN:	SMG
SUPERVISING CIVIL ENGINEER:	R.C.E. N/A	DRAWN:	MC
APPROVED:	DATE	CHECK:	ALB
CITY ENGINEER:	R.C.E. N/A	AS BUILT:	

HORIZ.:	1"=20'
VERT.:	1"=5'
BOOK:	
DATE:	10/31/22



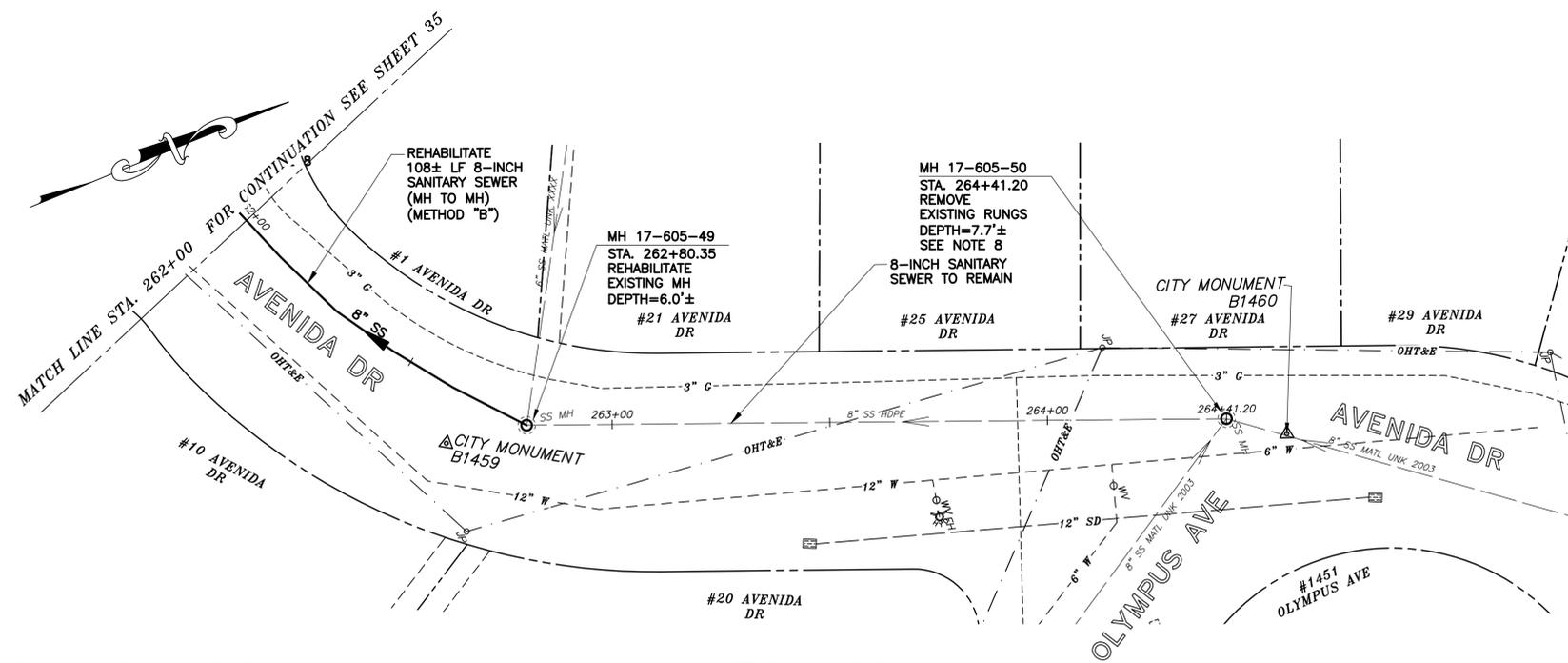
CITY OF BERKELEY
DEPARTMENT OF PUBLIC WORKS

SANITARY SEWER REHABILITATION
CAMPUS DR - 2
PLAN AND PROFILE

PLAN	8265
FILE	502-713
SHEET	33 OF 58

APPROVAL	
DESCRIPTION	
DATE	
MARK	
REVISION	

N:\Clients\677 City of Berkeley\30-22-07 Parnassus Swr Rehab\CAD\Production\32-36 - 67730-2207_DEL MAR AVE - CAMPUS DR.dwg [1 AVENIDA DR] 10-31-22 04:04:44 PM sgreenwood



PLAN

SANITARY SEWER LAYOUT - CAMPUS DR

STATION	NORTHING	EASTING	BEARING OR Δ	DISTANCE	DESCRIPTION
262+00.00	2148615.93'	6055961.09'	UNK	80.35'	MATCHLINE
262+80.35	2148659.63'	6056027.72'	N20°08'07"E	160.85'	MH 17-605-49
264+41.20	2148810.65'	6056083.09'	N/A	N/A	MH 17-605-50

NOTES:

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- LOCATE, RECONSTRUCT, EXTEND, AND CONNECT ACTIVE LATERALS TO NEW SEWER MAIN. REMOVE EXISTING CLEANOUTS AND PROVIDE TWO-WAY CLEANOUTS WITH RISER, FRAME, CONCRETE COLLAR AND COVER.
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- FILL VOIDS CAUSED BY RUNG REMOVAL WITH NON-SHRINK GROUT.



11/1/2022

FOR CITY USE ONLY
REFERENCE SEWER MAP NO.
337 (50)

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

SUBMITTED:	DATE	DESIGN:	SMG
SUPERVISING CIVIL ENGINEER:	R.C.E. N/A	DRAWN:	MC
APPROVED:	DATE	CHECK:	ALB
CITY ENGINEER:	R.C.E. N/A	AS BUILT:	

HORIZ.:	1"=20'
VERT.:	1"=5'
BOOK:	
DATE:	10/31/22



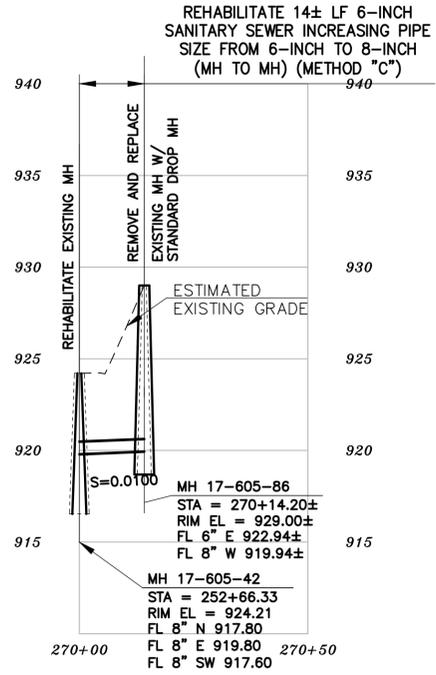
CITY OF BERKELEY
DEPARTMENT OF PUBLIC WORKS

SANITARY SEWER REHABILITATION
CAMPUS DR - 3
PLAN AND PROFILE

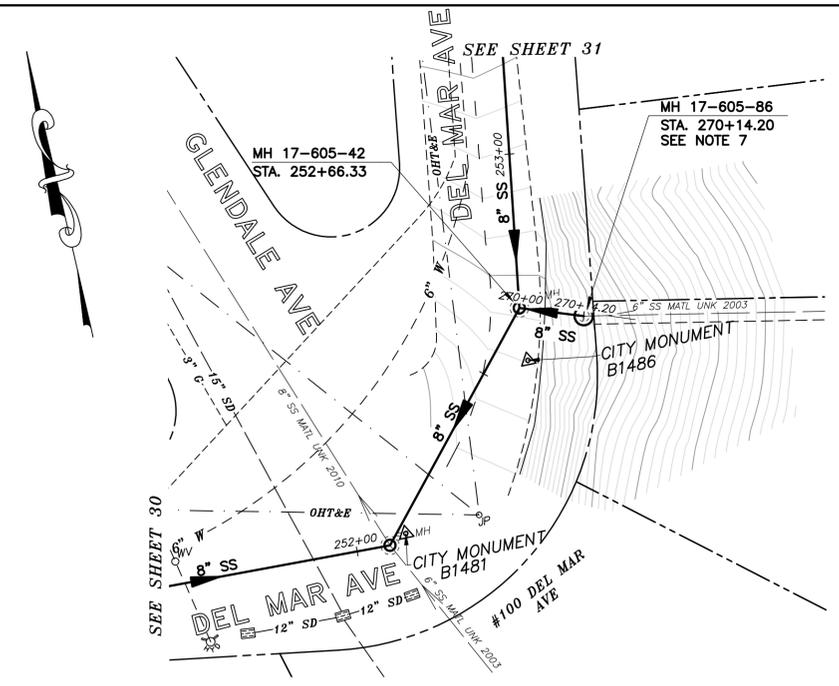
PLAN	8265
FILE	502-713
SHEET	34 OF 58

REVISION	MARK	DATE	DESCRIPTION	APPROVAL

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PROFILE



PLAN

NOTES:

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- LOCATE, RECONSTRUCT, EXTEND, AND CONNECT ACTIVE LATERALS TO NEW SEWER MAIN. REMOVE EXISTING CLEANOUTS AND PROVIDE TWO-WAY CLEANOUTS WITH RISER, FRAME, CONCRETE COLLAR AND COVER.
- LOWER LATERALS SHALL BE HDPE SDR-17.
- RECONSTRUCT CITY MONUMENTS DISTURBED BY SEWER INSTALLATION. REFER TO STANDARD DETAIL PLAN NOS. 8090, 8091 AND 8179 OF THE SPECIFICATIONS, AS APPLICABLE.
- IN ACCORDANCE WITH SPECIAL CONDITION NO. 13 IN THE SPECIAL PROVISIONS, PRIOR TO PIPE-BURSTING, 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. 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.
- WORK SHOWN ON THIS SHEET IS LOCATED IN CITY OF BERKELEY FIRE ZONE 2 AND IS SUBJECT TO ALL WORK REQUIREMENTS AND RESTRICTIONS.
- MH NOT SURVEYED. CONTRACTOR SHALL VERIFY RIM AND INVERT PRIOR TO ORDERING MH MATERIALS.

SANITARY SEWER LAYOUT - DEL MAR BACKLINE

STATION	NORTHING	EASTING	BEARING OR Δ	DISTANCE	DESCRIPTION
270+00.00	2148644.76'	6055670.89'	S71°13'21"E±	14.20'±	MH 17-605-42
270+14.20±	2148640.19'±	6055684.33'±	N/A	N/A	MH 17-605-86

FOR CITY USE ONLY
REFERENCE SEWER MAP NO.
337 (50)

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

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

DESIGN: SMG
DRAWN: MC
CHECK: ALB
AS BUILT: _____

HORIZ. 1"=20'
VERT. 1"=5'
BOOK _____
DATE 11/1/22



CITY OF BERKELEY
DEPARTMENT OF PUBLIC WORKS

SANITARY SEWER REHABILITATION
100 DEL MAR AVE
PLAN AND PROFILE

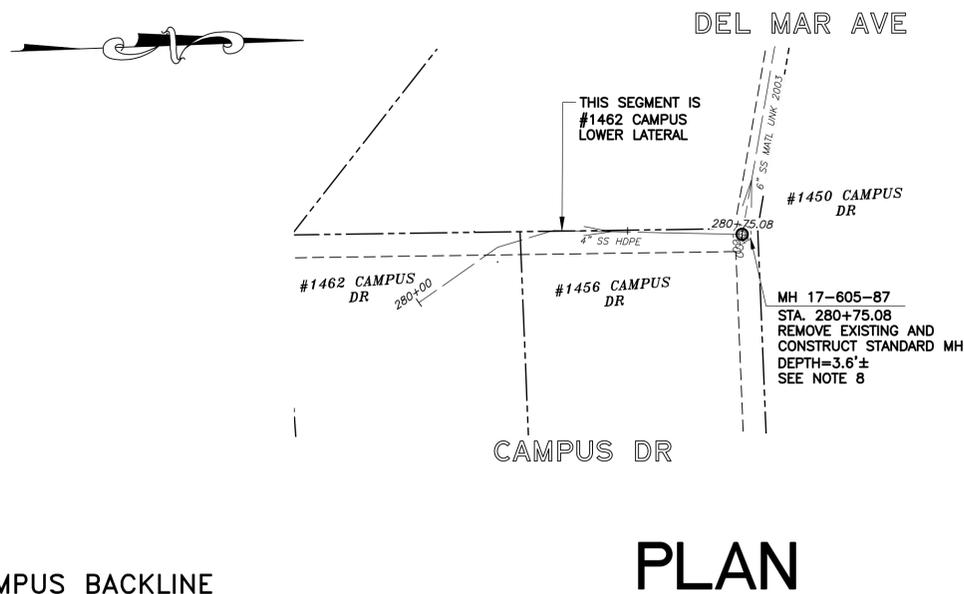


11/1/2022

PLAN 8265
FILE 502-713
SHEET 35 OF 58

REVISION	MARK	DATE	DESCRIPTION	APPROVAL

N:\Clients\677 City of Berkeley\30-22-07 Parnassus Swr Rehab\CAD\Production\38 - 67730-2207_1462_CAMPUS_DR BACKLINE.dwg [1462_CAMPUS_DR] 10-31-22 04:05:41 PM sgreenwood



SANITARY SEWER LAYOUT – CAMPUS BACKLINE

STATION	NORTHING	EASTING	BEARING OR Δ	DISTANCE	DESCRIPTION
280+75.08	2148622.92'	6055776.86'	N/A	N/A	MH 17-605-87

NOTES:

- FOR GENERAL NOTES SEE SHEET 2 OF THE PLANS.
- LOCATE, RECONSTRUCT, EXTEND, AND CONNECT ACTIVE LATERALS TO NEW SEWER MAIN. REMOVE EXISTING CLEANOUTS AND PROVIDE TWO-WAY CLEANOUTS WITH RISER, FRAME, CONCRETE COLLAR AND COVER.
- LOWER LATERALS SHALL BE HDPE SDR-17.
- RECONSTRUCT CITY MONUMENTS DISTURBED BY SEWER INSTALLATION. REFER TO STANDARD DETAIL PLAN NOS. 8090, 8091 AND 8179 OF THE SPECIFICATIONS, AS APPLICABLE.
- IN ACCORDANCE WITH SPECIAL CONDITION NO. 13 IN THE SPECIAL PROVISIONS, PRIOR TO PIPE-BURSTING, 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. 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.
- WORK SHOWN ON THIS SHEET IS LOCATED IN CITY OF BERKELEY FIRE ZONE 2 AND IS SUBJECT TO ALL WORK REQUIREMENTS AND RESTRICTIONS.
- PERFORM SPOT REPAIRS AT LOCATIONS SHOWN (METHOD "C"). ONLY HAND EXCAVATION TO REHABILITATE SEWER MAIN AND REINSTATE LATERALS IS PERMITTED FOR SEGMENTS LOCATED ON PRIVATE PROPERTY.
- RELOCATE MH 17-605-87 AS NECESSARY TO CONNECT 1462 CAMPUS DR AND 1456 CAMPUS DRIVE LATERALS TO NEW STRUCTURE.



11/1/2022

FOR CITY USE ONLY
REFERENCE SEWER MAP NO.
337 (50)

PROJECT MANAGER:	DATE	DEPICTION OF MONUMENTS:	DATE
SURVEY CHIEF OF PARTY		SUPERVISING CIVIL ENGINEER	
WATERSHED REVIEW:		DATE	
FOR REDUCED PLANS – ORIGINAL SCALE IS IN INCHES		CITY ENGINEER	

DATE	R.C.E.	EXP.
N/A	N/A	N/A
DATE	R.C.E.	EXP.
N/A	N/A	N/A

DESIGN	SMG
DRAWN	MC
CHECK	ALB
AS BUILT	

HORIZ.	1"=20'
VERT.	1"=5'
BOOK	
DATE	10/31/22



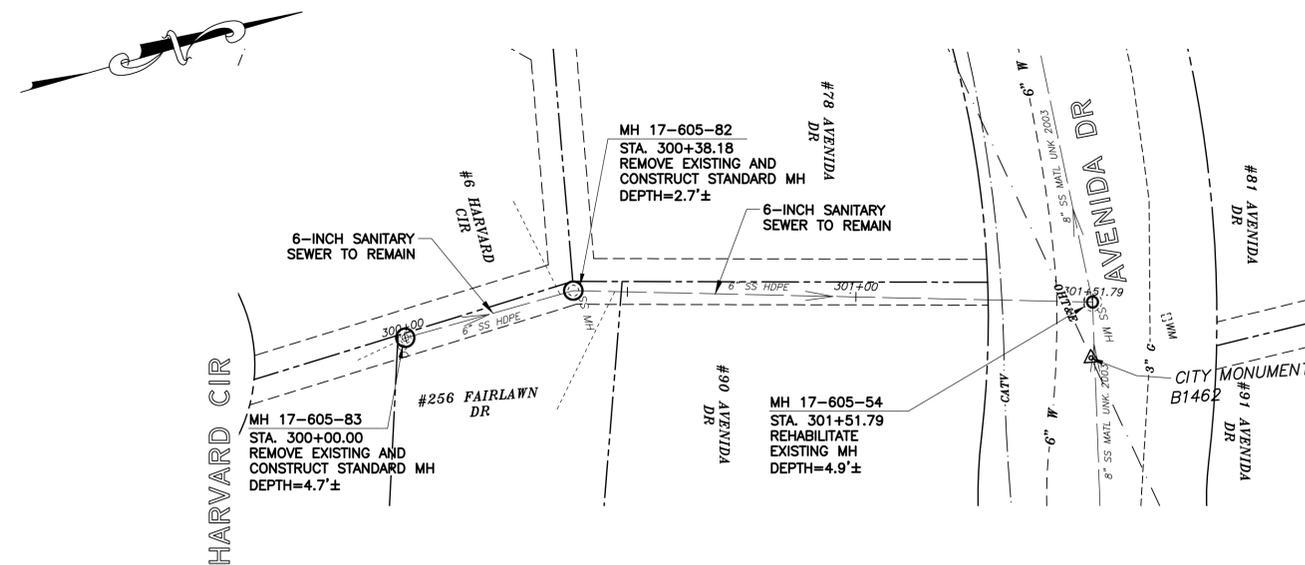
CITY OF BERKELEY
DEPARTMENT OF PUBLIC WORKS

SANITARY SEWER REHABILITATION
1462 CAMPUS DR
PLAN AND PROFILE

PLAN	8265
FILE	502-713
SHEET	36 OF 58

REVISION	MARK	DATE	DESCRIPTION	APPROVAL

N:\Clients\677 City of Berkeley\30-22-07 Parnassus Swr Rehab\CAD\Production\40 - 67730-2207_256 FAIRLAWN DR.dwg [256 FAIRLAWN DR] 10-31-22 04:06:06 PM sgreenwood



PLAN

SANITARY SEWER LAYOUT – FAIRLAWN BACKLINE

STATION	NORTHING	EASTING	BEARING OR Δ	DISTANCE	DESCRIPTION
300+00.00	2148776.28'	6056435.37'	N01°11'56"	38.18'	MH 17-605-83
300+38.18	2148814.46'	6056434.57'	N15°43'10"E	113.61'	MH 17-605-82
301+51.79	2148923.81'	6056465.35'	N/A	N/A	MH 17-605-54

NOTES:

- FOR GENERAL NOTES SEE SHEET 2 OF THE PLANS.
- LOCATE, RECONSTRUCT, EXTEND, AND CONNECT ACTIVE LATERALS TO NEW SEWER MAIN. REMOVE EXISTING CLEANOUTS AND PROVIDE TWO-WAY CLEANOUTS WITH RISER, FRAME, CONCRETE COLLAR AND COVER.
- LOWER LATERALS SHALL BE HDPE SDR-17.
- RECONSTRUCT CITY MONUMENTS DISTURBED BY SEWER INSTALLATION. REFER TO STANDARD DETAIL PLAN NOS. 8090, 8091 AND 8179 OF THE SPECIFICATIONS, AS APPLICABLE.
- IN ACCORDANCE WITH SPECIAL CONDITION NO. 13 IN THE SPECIAL PROVISIONS, PRIOR TO PIPE-BURSTING, 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. 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.
- WORK SHOWN ON THIS SHEET IS LOCATED IN CITY OF BERKELEY FIRE ZONE 2 AND IS SUBJECT TO ALL WORK REQUIREMENTS AND RESTRICTIONS.
- ONLY HAND EXCAVATION (METHOD "C") WILL BE ALLOWED FOR WORK LOCATED ON PRIVATE PROPERTY.
- ALL DAMAGED/DISPLACED SURFACE FEATURES AND LANDSCAPING SHALL BE REPLACED IN KIND.



11/1/2022

FOR CITY USE ONLY
REFERENCE SEWER MAP NO.
338 (50)

PROJECT MANAGER:	DATE	DEPICTION OF MONUMENTS:	DATE
0 1 2 3		WATERSHED REVIEW:	
FOR REDUCED PLANS - ORIGINAL SCALE IS IN INCHES		DATE	

SUBMITTED:	DATE	DESIGN:	SMG
R.C.E. N/A		DRAWN:	MC
EXP. N/A		CHECK:	ALB
SUPERVISING CIVIL ENGINEER		AS BUILT:	

APPROVED:	DATE	HORIZ.:	1"=20'
R.C.E. N/A		VERT.:	1"=5'
EXP. N/A		BOOK:	
CITY ENGINEER		DATE:	10/31/22

DESIGN:	SMG	HORIZ.:	1"=20'
DRAWN:	MC	VERT.:	1"=5'
CHECK:	ALB	BOOK:	
AS BUILT:		DATE:	10/31/22



CITY OF BERKELEY
DEPARTMENT OF PUBLIC WORKS

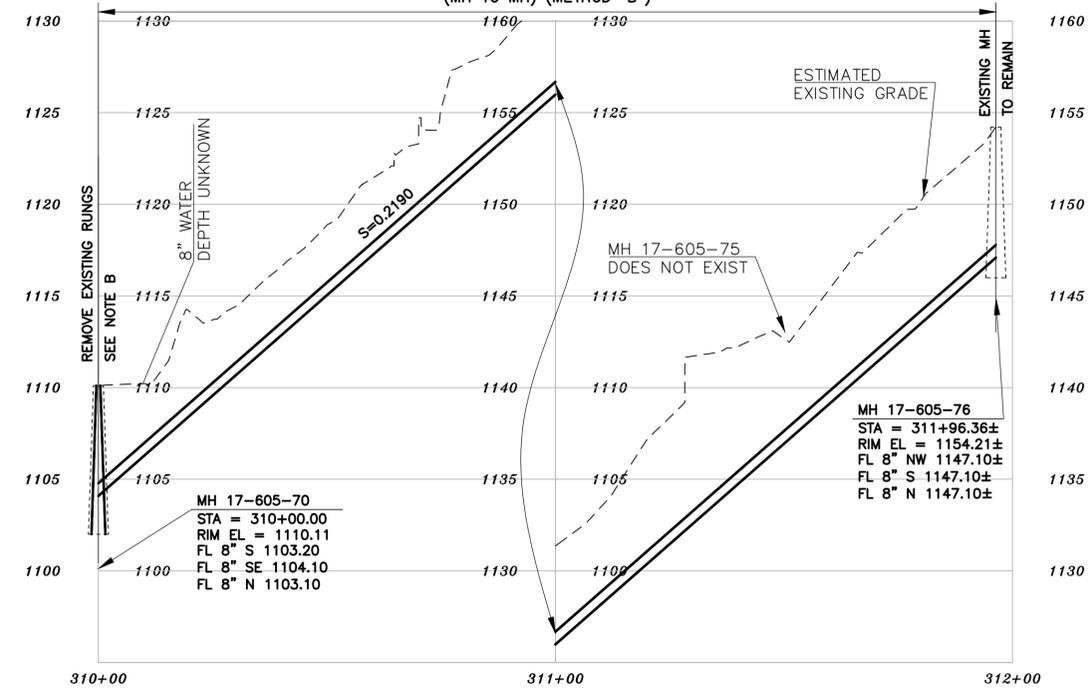
SANITARY SEWER REHABILITATION
256 FAIRLAWN DR
PLAN AND PROFILE

PLAN	8265
FILE	502-713
SHEET	37 OF 58

APPROVAL	
DESCRIPTION	
DATE	
MARK	
REVISION	

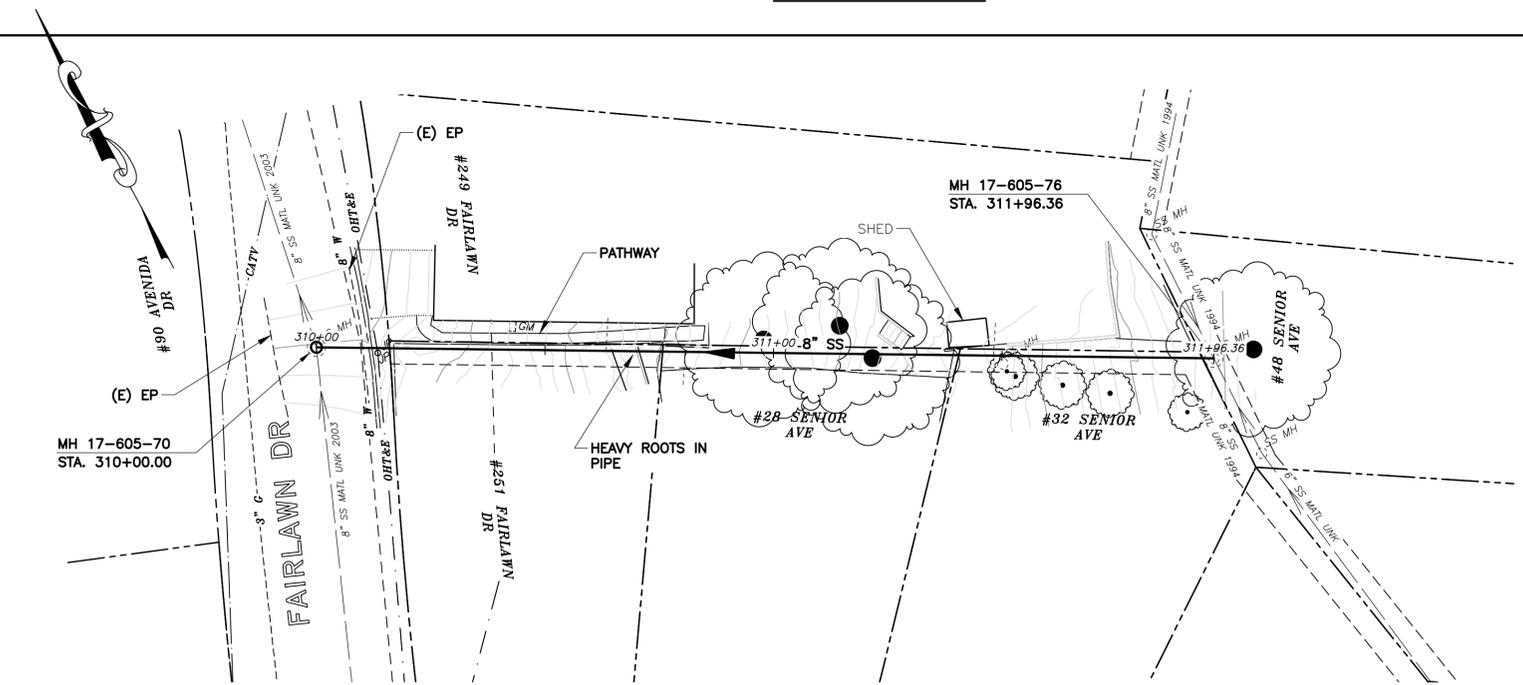
N:\Clients\677 City of Berkeley\30-22-07 Parnassus Swr Rehab\CAD\Production\41 - 67730-2207_249 FAIRLAWN DR.dwg [249 FAIRLAWN DR] 10-31-22 04:06:40 PM sgreenwood

REHABILITATE 196± LF 6-INCH SANITARY SEWER.
INCREASING PIPE SIZE FROM 6-INCH TO 8-INCH
(MH TO MH) (METHOD "B")



PROFILE

- NOTES:**
- A. FOR METHOD "B" CONSTRUCTION, CONTRACTOR TO VERIFY 5-FOOT MINIMUM RADIAL CLEARANCE WITH CRITICAL UTILITIES INCLUDING WATER AND GAS MAINS. VERIFY 5-FOOT MINIMUM HORIZONTAL CLEARANCE WITH BUILDINGS AND FOUNDATIONS. ONLY HAND EXCAVATION IS PERMITTED TO REINSTATE LATERALS ON PRIVATE PROPERTY.
 - B. FILL VOIDS CAUSED BY RUNG REMOVAL WITH NON-SHRINK GROUT.



PLAN

- NOTES:**
1. FOR GENERAL NOTES SEE SHEET 2 OF THE PLANS.
 2. LOCATE, RECONSTRUCT, EXTEND, AND CONNECT ACTIVE LATERALS TO NEW SEWER MAIN. REMOVE EXISTING CLEANOUTS AND PROVIDE TWO-WAY CLEANOUTS WITH RISER, FRAME, CONCRETE COLLAR AND COVER.
 3. LOWER LATERALS SHALL BE HDPE SDR-17.
 4. RECONSTRUCT CITY MONUMENTS DISTURBED BY SEWER INSTALLATION. REFER TO STANDARD DETAIL PLAN NOS. 8090, 8091 AND 8179 OF THE SPECIFICATIONS, AS APPLICABLE.
 5. IN ACCORDANCE WITH SPECIAL CONDITION NO. 13 IN THE SPECIAL PROVISIONS, PRIOR TO PIPE-BURSTING, 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. 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.
 6. WORK SHOWN ON THIS SHEET IS LOCATED IN CITY OF BERKELEY FIRE ZONE 2 AND IS SUBJECT TO ALL WORK REQUIREMENTS AND RESTRICTIONS.

SANITARY SEWER LAYOUT - FAIRLAWN BACKLINE

STATION	NORTHING	EASTING	BEARING OR Δ	DISTANCE	DESCRIPTION
310+00.00	2148816.24'	6056581.77'	S62°34'24"E	196.36	MH 17-605-70
311+96.36	2148725.79'	6056756.06'	N/A	N/A	MH 17-605-76

FOR CITY USE ONLY
REFERENCE SEWER MAP NO.
338 (50)

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

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

SUBMITTED: _____ DATE _____
 R.C.E. N/A
 EXP. N/A
 SUPERVISING CIVIL ENGINEER: _____ DATE _____
 R.C.E. N/A
 EXP. N/A

DESIGN: SMG
 DRAWN: MC
 CHECK: ALB
 AS BUILT: _____
 HORIZ. 1"=20'
 VERT. 1"=5'
 BOOK: _____
 DATE: 10/31/22



CITY OF BERKELEY
DEPARTMENT OF PUBLIC WORKS

SANITARY SEWER REHABILITATION
249 FAIRLAWN DR
PLAN AND PROFILE

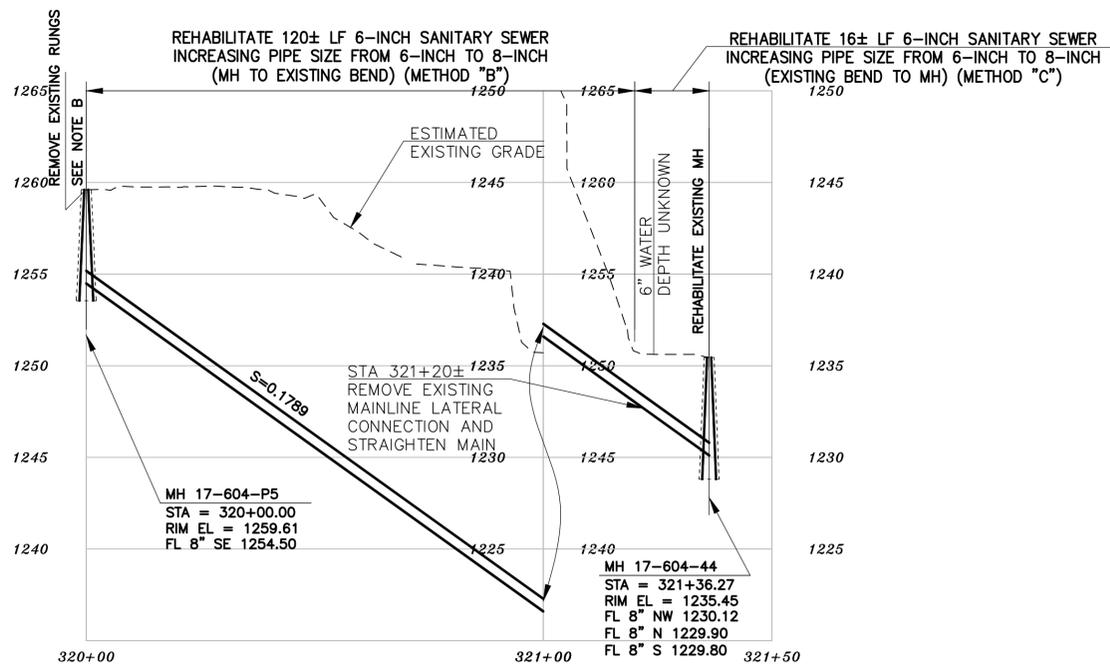


11/1/2022

PLAN 8265
 FILE 502-713
 SHEET 38 OF 58

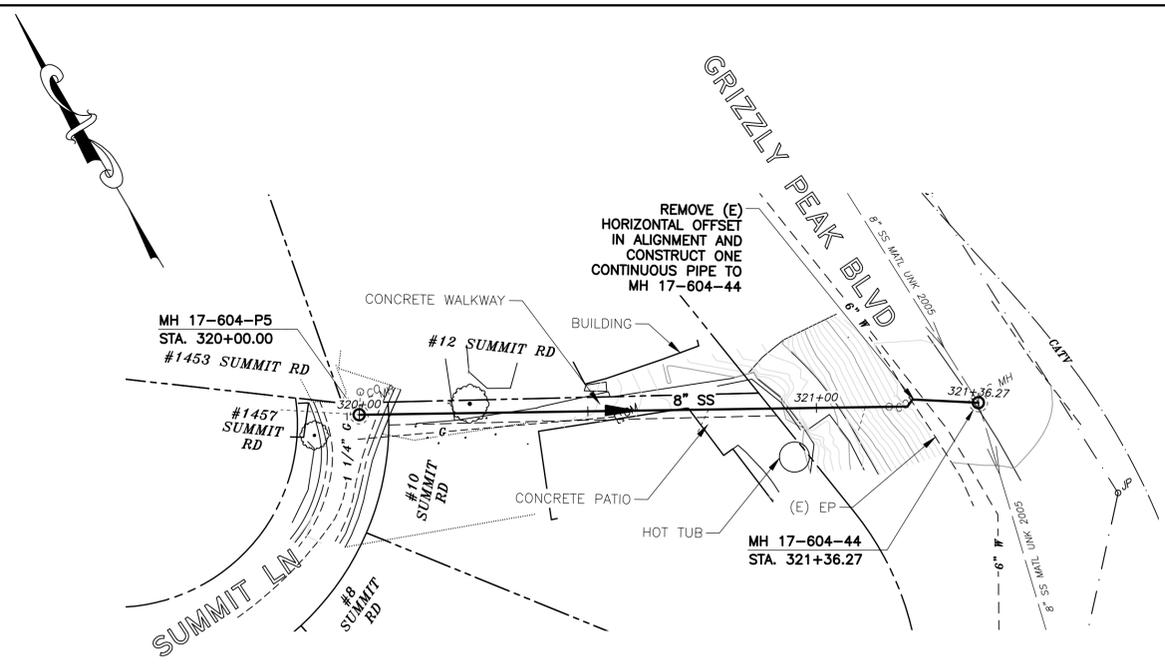
REVISION	MARK	DATE	DESCRIPTION	APPROVAL

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PROFILE

- NOTES:**
- A. FOR METHOD "B" CONSTRUCTION, CONTRACTOR TO VERIFY 5-FOOT MINIMUM RADIAL CLEARANCE WITH CRITICAL UTILITIES INCLUDING WATER AND GAS MAINS. VERIFY 5-FOOT MINIMUM HORIZONTAL CLEARANCE WITH BUILDINGS AND FOUNDATIONS. ONLY HAND EXCAVATION IS PERMITTED TO REINSTATE LATERALS ON PRIVATE PROPERTY.
 - B. FILL VOIDS CAUSED BY RUNG REMOVAL WITH NON-SHRINK GROUT.
 - C. VERTICAL ALIGNMENT SHOWN IS APPROXIMATE. CONTRACTOR SHALL CONFIRM PRIOR TO STARTING WORK.



PLAN

- NOTES:**
1. FOR GENERAL NOTES SEE SHEET 2 OF THE PLANS.
 2. LOCATE, RECONSTRUCT, EXTEND, AND CONNECT ACTIVE LATERALS TO NEW SEWER MAIN. REMOVE EXISTING CLEANOUTS AND PROVIDE TWO-WAY CLEANOUTS WITH RISER, FRAME, CONCRETE COLLAR AND COVER.
 3. LOWER LATERALS SHALL BE HDPE SDR-17.
 4. RECONSTRUCT CITY MONUMENTS DISTURBED BY SEWER INSTALLATION. REFER TO STANDARD DETAIL PLAN NOS. 8090, 8091 AND 8179 OF THE SPECIFICATIONS, AS APPLICABLE.
 5. IN ACCORDANCE WITH SPECIAL CONDITION NO. 13 IN THE SPECIAL PROVISIONS, PRIOR TO PIPE-BURSTING, 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. 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.
 6. WORK SHOWN ON THIS SHEET IS LOCATED IN CITY OF BERKELEY FIRE ZONE 2 AND IS SUBJECT TO ALL WORK REQUIREMENTS AND RESTRICTIONS.
 7. ONLY HAND EXCAVATION (METHOD "C") WILL BE ALLOWED FOR WORK LOCATED ON PRIVATE PROPERTY.
 8. ALL DAMAGED/DISPLACED SURFACE FEATURES AND LANDSCAPING SHALL BE REPLACED IN KIND.

SANITARY SEWER LAYOUT - SUMMIT LN BACKLINE

STATION	NORTHING	EASTING	BEARING OR Δ	DISTANCE	DESCRIPTION
320+00.00	2148613.23'	6057312.82'	UNK	136.27	MH 17-604-P5
321+36.27	2148549.98'	6057432.62'	N/A	N/A	MH 17-604-44

FOR CITY USE ONLY
REFERENCE SEWER MAP NO.
321 (50)

PROJECT MANAGER: _____ DATE _____	DEPICTION OF MONUMENTS: _____ DATE _____	SUBMITTED: _____ DATE _____	DESIGN: SMG	HORIZ. 1"=20'
SURVEY CHIEF OF PARTY: _____	WATERSHED REVIEW: _____ DATE _____	SUPERVISING CIVIL ENGINEER: _____ R.C.E. N/A EXP. N/A	DRAWN: MC	VERT. 1"=5'
0 1 2 3 FOR REDUCED PLANS - ORIGINAL SCALE IS IN INCHES	APPROVED: _____ DATE _____	CITY ENGINEER: _____ R.C.E. N/A EXP. N/A	CHECK: ALB	BOOK: _____
			AS BUILT: _____	DATE: 11/1/22



CITY OF BERKELEY
DEPARTMENT OF PUBLIC WORKS

SANITARY SEWER REHABILITATION
10 SUMMIT LN
PLAN AND PROFILE

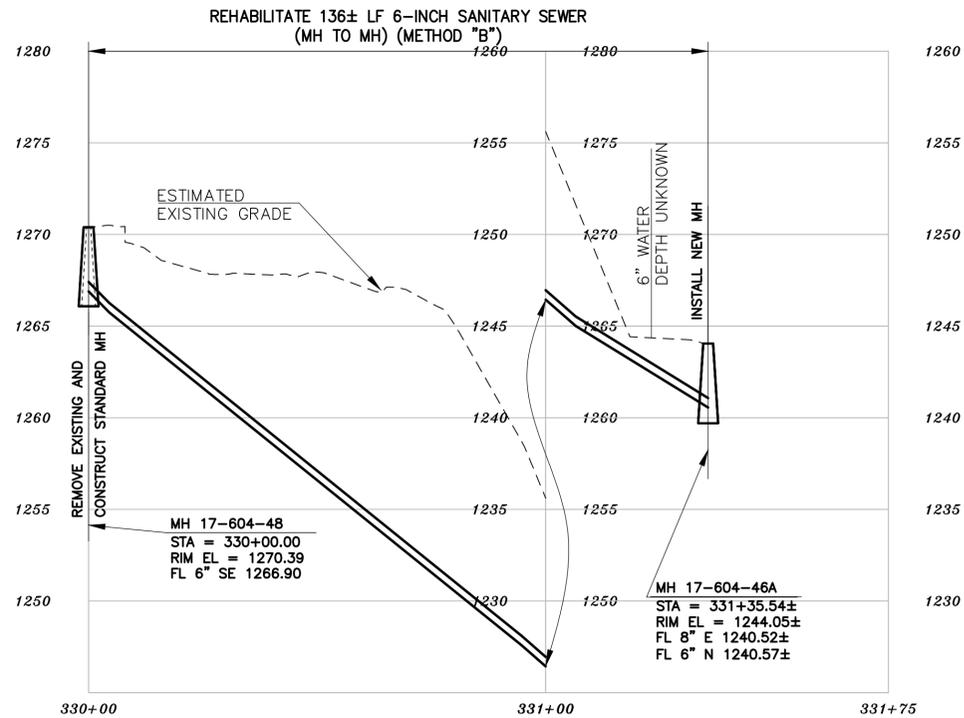


11/1/2022

PLAN 8265
FILE 502-713
SHEET 39 OF 58

APPROVAL DESCRIPTION DATE REVISION MARK

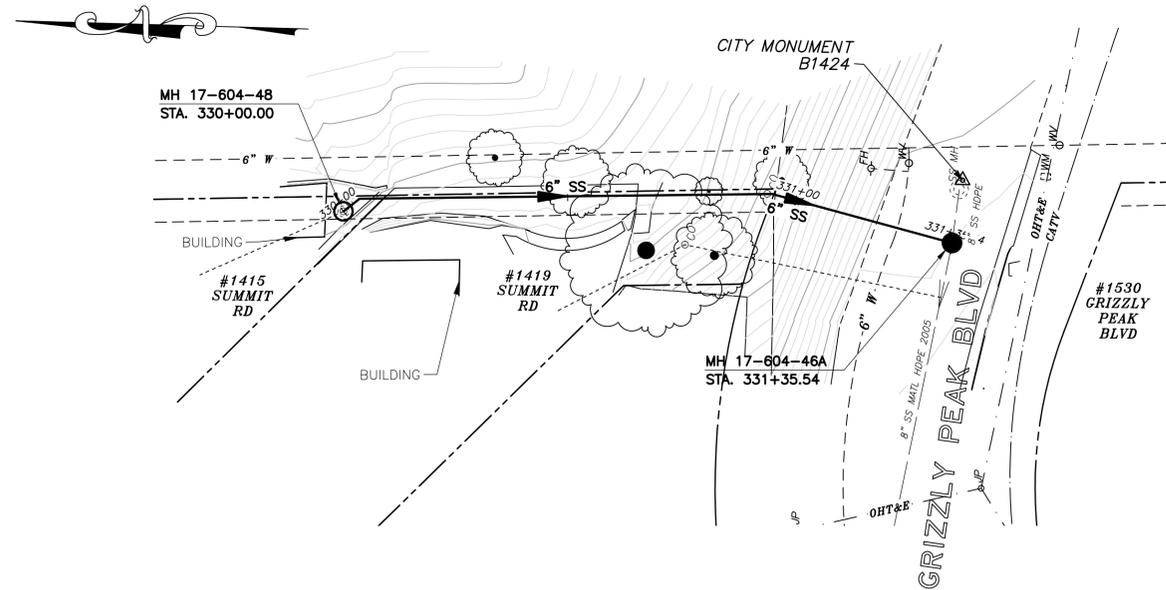
N:\Clients\677 City of Berkeley\30-22-07 Parnassus Swr Rehab\CAD\Production\43 - 67730-2207_1530 GRIZZLY PEAK BLVD.dwg [11-01-22 08:59:28 AM sgreenwood]



PROFILE

NOTES:

- A. FOR METHOD "B" CONSTRUCTION, CONTRACTOR TO VERIFY 5-FOOT MINIMUM RADIAL CLEARANCE WITH CRITICAL UTILITIES INCLUDING WATER AND GAS MAINS. VERIFY 5-FOOT MINIMUM HORIZONTAL CLEARANCE WITH BUILDINGS AND FOUNDATIONS. ONLY HAND EXCAVATION IS PERMITTED TO REINSTATE LATERALS ON PRIVATE PROPERTY.



PLAN

NOTES:

1. FOR GENERAL NOTES SEE SHEET 2 OF THE PLANS.
2. LOCATE, RECONSTRUCT, EXTEND, AND CONNECT ACTIVE LATERALS TO NEW SEWER MAIN. REMOVE EXISTING CLEANOUTS AND PROVIDE TWO-WAY CLEANOUTS WITH RISER, FRAME, CONCRETE COLLAR AND COVER.
3. LOWER LATERALS SHALL BE HDPE SDR-17.
4. RECONSTRUCT CITY MONUMENTS DISTURBED BY SEWER INSTALLATION. REFER TO STANDARD DETAIL PLAN NOS. 8090, 8091 AND 8179 OF THE SPECIFICATIONS, AS APPLICABLE.
5. IN ACCORDANCE WITH SPECIAL CONDITION NO. 13 IN THE SPECIAL PROVISIONS, PRIOR TO PIPE-BURSTING, 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. 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.
6. WORK SHOWN ON THIS SHEET IS LOCATED IN CITY OF BERKELEY FIRE ZONE 2 AND IS SUBJECT TO ALL WORK REQUIREMENTS AND RESTRICTIONS.

SANITARY SEWER LAYOUT - GRIZZLY PEAK BACKLINE

STATION	NORTHING	EASTING	BEARING OR Δ	DISTANCE	DESCRIPTION
330+00.00	2148892.95'	6057594.28'	UNK	135.54'±	MH 17-604-48
331+35.54	2148759.62'	6057594.43'	N/A	N/A	MH 17-604-46A

FOR CITY USE ONLY
REFERENCE SEWER MAP NO.
321 (50)

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

SUBMITTED:	DATE	DESIGN:	SMG
SUPERVISING CIVIL ENGINEER	R.C.E. N/A	DRAWN:	MC
APPROVED:	DATE	CHECK:	ALB
CITY ENGINEER	R.C.E. N/A	AS BUILT:	

HORIZ.:	1"=20'
VERT.:	1"=5'
BOOK:	
DATE:	11/1/22



CITY OF BERKELEY
DEPARTMENT OF PUBLIC WORKS

SANITARY SEWER REHABILITATION
1530 GRIZZLY PEAK BLVD
PLAN AND PROFILE

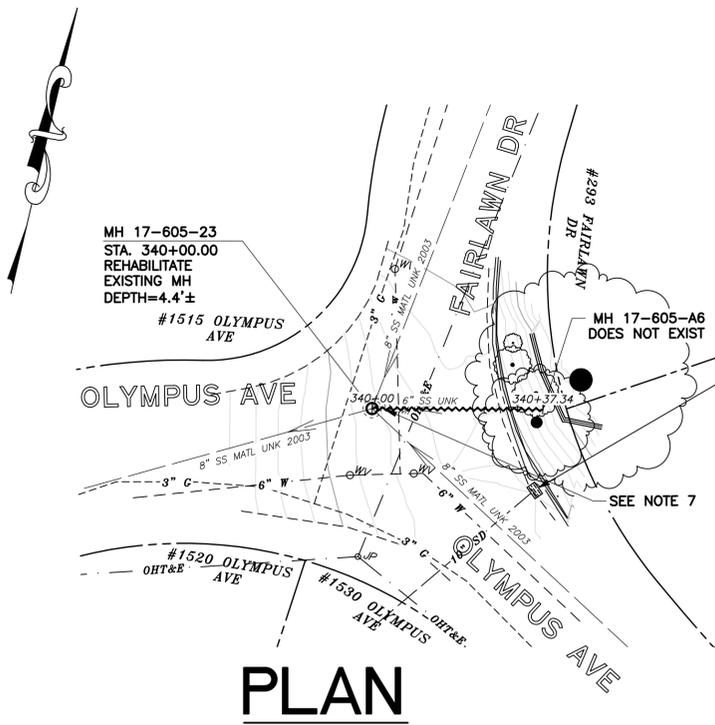
PLAN 8265
FILE 502-713
SHEET 40 OF 58



11/1/2022

APPROVAL
DESCRIPTION
DATE
MARK
REVISION

N:\Clients\677 City of Berkeley\30-22-07 Parnassus Swr Rehab\CAD\Production\44 - 67730-2207_293 FAIRLAWN DR.dwg [293 FAIRLAWN DR] 10-31-22 04:07:59 PM sgreenwood



PLAN

SANITARY SEWER LAYOUT – FAIRLAWN

STATION	NORTHING	EASTING	BEARING OR Δ	DISTANCE	DESCRIPTION
340+00.00	2148360.26'	6056479.30'	UNK	37.34'±	MH 17-605-23
DNE	DNE	DNE	N/A	N/A	MH 17-605-A6

NOTES:

- FOR GENERAL NOTES SEE SHEET 2 OF THE PLANS.
- LOCATE, RECONSTRUCT, EXTEND, AND CONNECT ACTIVE LATERALS TO NEW SEWER MAIN. REMOVE EXISTING CLEANOUTS AND PROVIDE TWO-WAY CLEANOUTS WITH RISER, FRAME, CONCRETE COLLAR AND COVER.
- LOWER LATERALS SHALL BE HDPE SDR-17.
- RECONSTRUCT CITY MONUMENTS DISTURBED BY SEWER INSTALLATION. REFER TO STANDARD DETAIL PLAN NOS. 8090, 8091 AND 8179 OF THE SPECIFICATIONS, AS APPLICABLE.
- IN ACCORDANCE WITH SPECIAL CONDITION NO. 13 IN THE SPECIAL PROVISIONS, PRIOR TO PIPE-BURSTING, 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. 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.
- WORK SHOWN ON THIS SHEET IS LOCATED IN CITY OF BERKELEY FIRE ZONE 2 AND IS SUBJECT TO ALL WORK REQUIREMENTS AND RESTRICTIONS.
- ABANDON SS PIPE PER DETAIL 1 ON SHEET 58



11/1/2022

FOR CITY USE ONLY
REFERENCE SEWER MAP NO.
322 (50)

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

SUBMITTED:	DATE	DESIGN:	SMG
SUPERVISING CIVIL ENGINEER:	R.C.E. N/A	DRAWN:	MC
APPROVED:	DATE	CHECK:	ALB
CITY ENGINEER:	R.C.E. N/A	AS BUILT:	

HORIZ.	1"=20'
VERT.	1"=5'
BOOK	
DATE	10/31/22



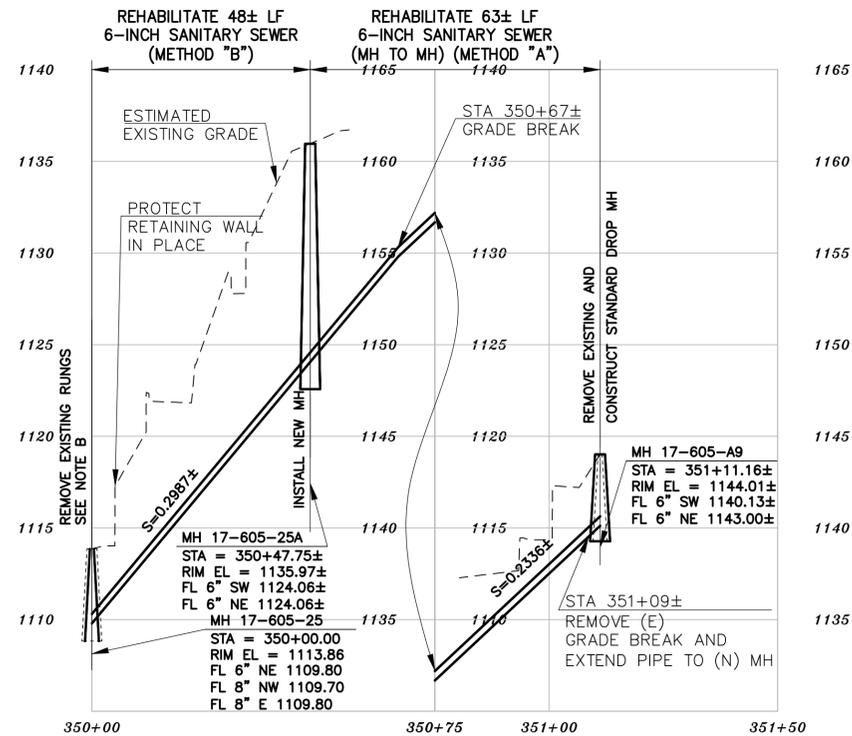
CITY OF BERKELEY
DEPARTMENT OF PUBLIC WORKS

SANITARY SEWER REHABILITATION
293 FAIRLAWN DR
PLAN AND PROFILE

PLAN	8265
FILE	502-713
SHEET	41 OF 58

APPROVAL	
DESCRIPTION	
DATE	
MARK	
REVISION	

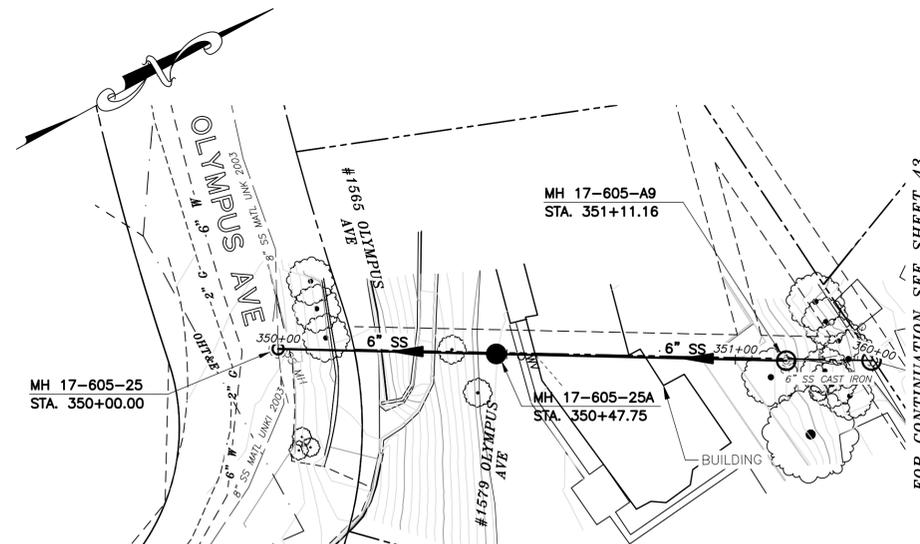
N:\Clients\677 City of Berkeley\30-22-07 Parnassus Swr Rehab\CAD\Production\45 - 67730-2207_1565 OLYMPUS AVE.dwg [1565 OLYMPUS AVE] 11-01-22 11:20:33 AM sgreenwood



PROFILE

NOTES:

- A. FOR METHOD "B" CONSTRUCTION, CONTRACTOR TO VERIFY 5-FOOT MINIMUM RADIAL CLEARANCE WITH CRITICAL UTILITIES INCLUDING WATER AND GAS MAINS. VERIFY 5-FOOT MINIMUM HORIZONTAL CLEARANCE WITH BUILDINGS AND FOUNDATIONS. ONLY HAND EXCAVATION IS PERMITTED TO REINSTATE LATERALS ON PRIVATE PROPERTY.
- B. FILL VOIDS CAUSED BY RUNG REMOVE WITH NON-SHRINK GROUT.



PLAN

NOTES:

- 1. FOR GENERAL NOTES SEE SHEET 2 OF THE PLANS.
- 2. LOCATE, RECONSTRUCT, EXTEND, AND CONNECT ACTIVE LATERALS TO NEW SEWER MAIN. REMOVE EXISTING CLEANOUTS AND PROVIDE TWO-WAY CLEANOUTS WITH RISER, FRAME, CONCRETE COLLAR AND COVER.
- 3. LOWER LATERALS SHALL BE HDPE SDR-17.
- 4. RECONSTRUCT CITY MONUMENTS DISTURBED BY SEWER INSTALLATION. REFER TO STANDARD DETAIL PLAN NOS. 8090, 8091 AND 8179 OF THE SPECIFICATIONS, AS APPLICABLE.
- 5. IN ACCORDANCE WITH SPECIAL CONDITION NO. 13 IN THE SPECIAL PROVISIONS, PRIOR TO PIPE-BURSTING, 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. 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.
- 6. WORK SHOWN ON THIS SHEET IS LOCATED IN CITY OF BERKELEY FIRE ZONE 2 AND IS SUBJECT TO ALL WORK REQUIREMENTS AND RESTRICTIONS.

SANITARY SEWER LAYOUT - OLYMPUS

STATION	NORTHING	EASTING	BEARING OR Δ	DISTANCE	DESCRIPTION
350+00.00	2148220.11'	6056802.65'	N28°33'12"E	47.75	MH 17-605-25
350+47.75	2148262.05'	6056825.47'	N28°33'12"E	63.41	MH 17-605-25A
351+11.16	2148317.75'	6056855.78'	N/A	N/A	MH 17-605-A9

FOR CITY USE ONLY
REFERENCE SEWER MAP NO.
322 (50)

PROJECT MANAGER: _____ DATE _____	DEPICTION OF MONUMENTS: _____ DATE _____	SUBMITTED: _____ DATE _____	R.C.E. N/A	DESIGN SMG	HORIZ. 1"=20'
SURVEY CHIEF OF PARTY _____	WATERSHED REVIEW: _____ DATE _____	SUPERVISING CIVIL ENGINEER _____	EXP. N/A	DRAWN MC	VERT. 1"=5'
0 1 2 3 FOR REDUCED PLANS - ORIGINAL SCALE IS IN INCHES	APPROVED: _____ DATE _____	CITY ENGINEER _____	R.C.E. N/A	CHECK ALB	BOOK _____
			EXP. N/A	AS BUILT _____	DATE 11/1/22



CITY OF BERKELEY
DEPARTMENT OF PUBLIC WORKS

SANITARY SEWER REHABILITATION
1565 OLYMPUS AVE
PLAN AND PROFILE

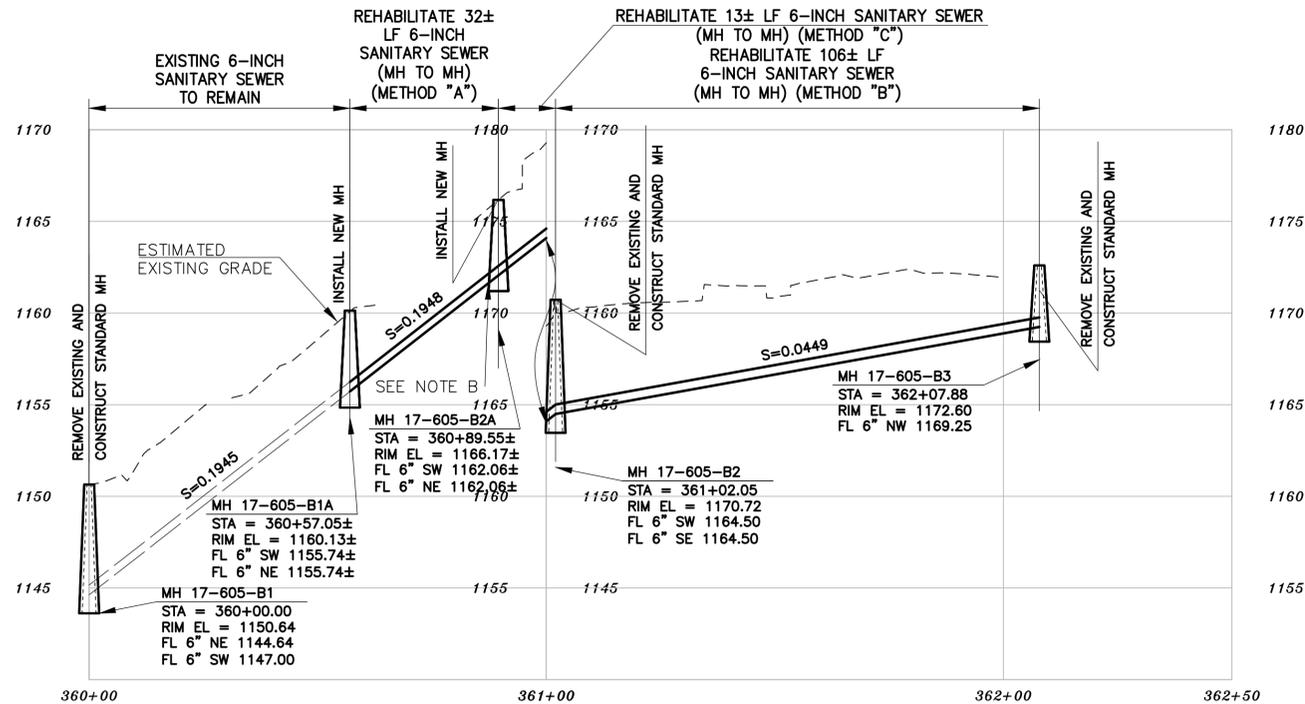
PLAN 8265
FILE 502-713
SHEET 42 OF 58



11/1/2022

APPROVAL
DESCRIPTION
DATE
MARK
REVISION

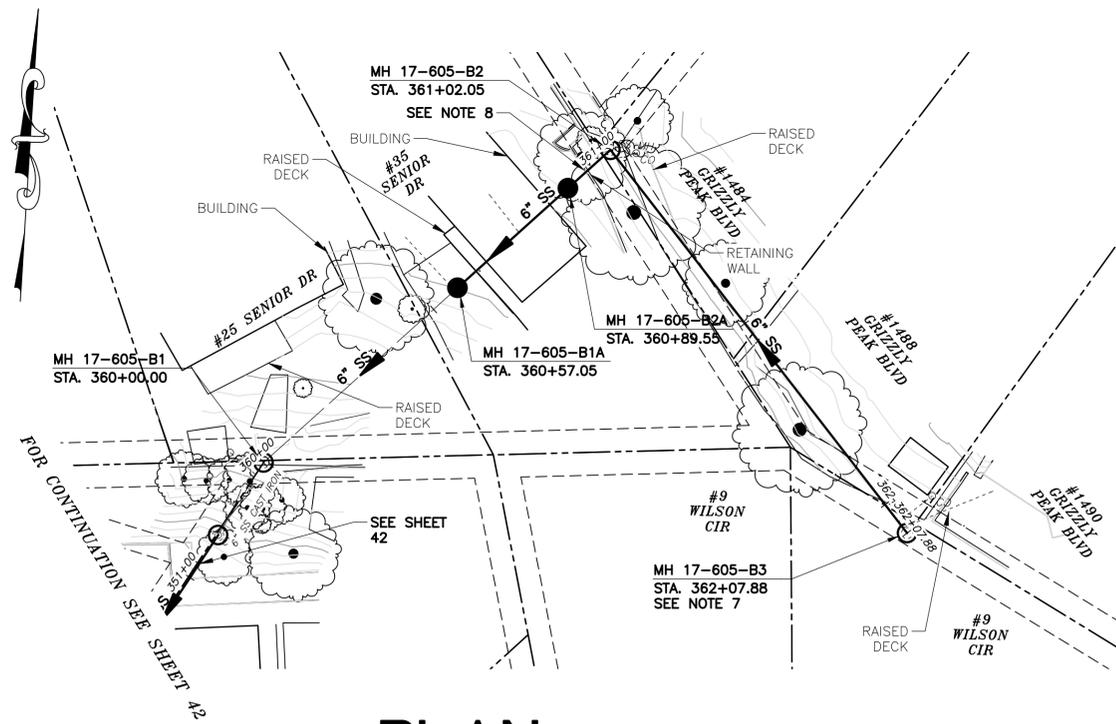
N:\Clients\677 City of Berkeley\30-22-07 Parnassus Swr Rehab\CAD\Production\46 - 67730-2207_25 SENIOR DR.dwg [25 SENIOR DR] 10-31-22 04:08:51 PM sgreenwood



PROFILE

NOTES:

- A. FOR METHOD "B" CONSTRUCTION, CONTRACTOR TO VERIFY 5-FOOT MINIMUM RADIAL CLEARANCE WITH CRITICAL UTILITIES INCLUDING WATER AND GAS MAINS. VERIFY 5-FOOT MINIMUM HORIZONTAL CLEARANCE WITH BUILDINGS AND FOUNDATIONS. ONLY HAND EXCAVATION IS PERMITTED TO REINSTATE LATERALS ON PRIVATE PROPERTY.
- B. REMOVE (E) GRADE BREAK AND EXTEND PIPE TO (N) MH.



PLAN

NOTES:

- 1. FOR GENERAL NOTES SEE SHEET 2 OF THE PLANS.
- 2. LOCATE, RECONSTRUCT, EXTEND, AND CONNECT ACTIVE LATERALS TO NEW SEWER MAIN. REMOVE EXISTING CLEANOUTS AND PROVIDE TWO-WAY CLEANOUTS WITH RISER, FRAME, CONCRETE COLLAR AND COVER.
- 3. LOWER LATERALS SHALL BE HDPE SDR-17.
- 4. RECONSTRUCT CITY MONUMENTS DISTURBED BY SEWER INSTALLATION. REFER TO STANDARD DETAIL PLAN NOS. 8090, 8091 AND 8179 OF THE SPECIFICATIONS, AS APPLICABLE.
- 5. IN ACCORDANCE WITH SPECIAL CONDITION NO. 13 IN THE SPECIAL PROVISIONS, PRIOR TO PIPE-BURSTING, 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. 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.
- 6. WORK SHOWN ON THIS SHEET IS LOCATED IN CITY OF BERKELEY FIRE ZONE 2 AND IS SUBJECT TO ALL WORK REQUIREMENTS AND RESTRICTIONS.
- 7. MH NOT SURVEYED. CONTRACTOR SHALL VERIFY RIM AND INVERT PRIOR TO ORDERING MATERIALS.
- 8. ALL DAMAGED/DISPLACED SURFACE FEATURES AND LANDSCAPING SHALL BE REPLACED IN KIND.

SANITARY SEWER LAYOUT - SENIOR

STATION	NORTHING	EASTING	BEARING OR Δ	DISTANCE	DESCRIPTION
360+00.00	2148334.36'±	6056864.28'±	N42°04'39"E	57.05'±	MH 17-605-B1
360+57.05	2148376.03'	6056903.25'	N42°04'39"E	32.50'	MH 17-605-B1A
360+89.55	2148399.77'	6056925.44'	N42°04'39"E	12.50'	MH 17-605-B2A
361+02.05	2148408.90'	6056933.98'	S42°47'40"E	105.83'±	MH 17-605-B2
362+07.88±	2148331.25'±	6057005.88'±	N/A	N/A	MH 17-605-B3

FOR CITY USE ONLY
REFERENCE SEWER MAP NO.
322 (50)

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

SUBMITTED:	DATE
SUPERVISING CIVIL ENGINEER:	R.C.E. N/A EXP. N/A
APPROVED:	DATE
CITY ENGINEER:	R.C.E. N/A EXP. N/A

DESIGN	SMG
DRAWN	MC
CHECK	ALB
AS BUILT	

HORIZ.	1"=20'
VERT.	1"=5'
BOOK	
DATE	10/31/22



CITY OF BERKELEY
DEPARTMENT OF PUBLIC WORKS

SANITARY SEWER REHABILITATION
25 SENIOR DR
PLAN AND PROFILE

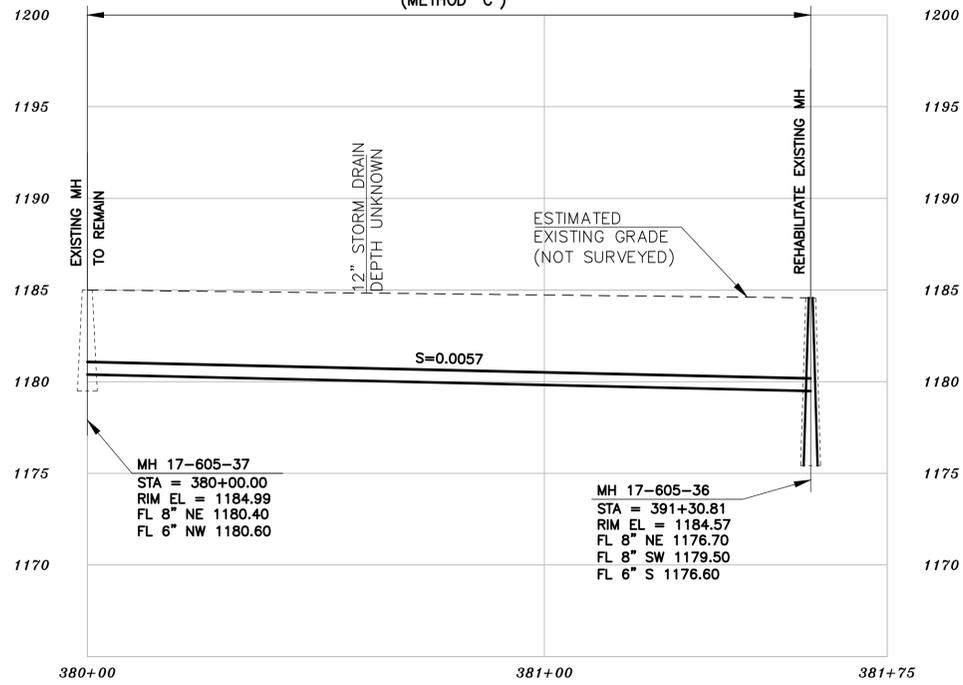
PLAN 8265
FILE 502-713
SHEET 43 OF 58



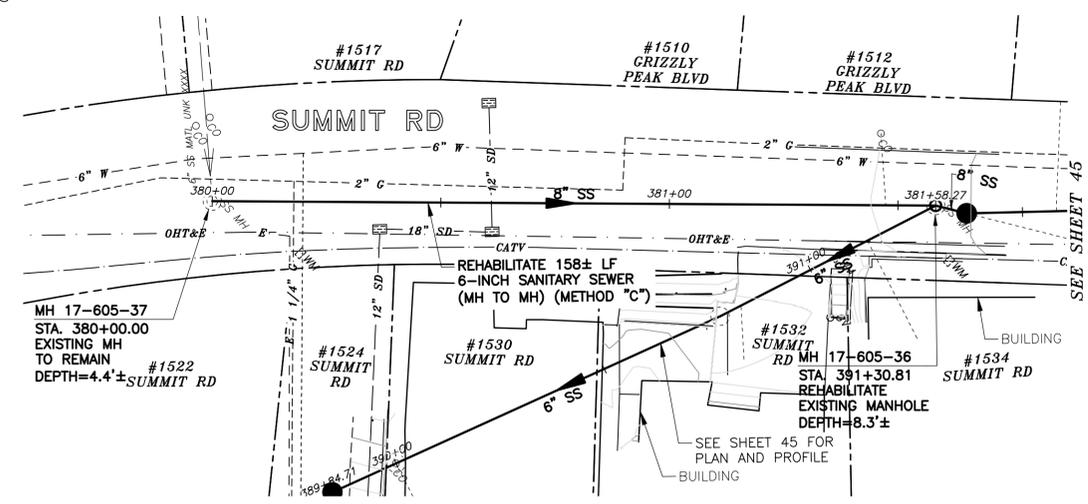
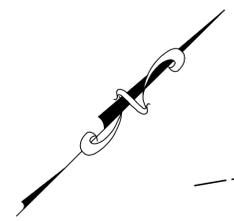
11/1/2022

APPROVAL
DESCRIPTION
MARK
DATE
REVISION

REMOVE AND REPLACE 158± LF 6-INCH INCREASING PIPE SIZE FROM 6-INCH TO 8-INCH SANITARY SEWER (METHOD "C")



PROFILE



PLAN

SANITARY SEWER LAYOUT - SUMMIT

STATION	NORTHING	EASTING	BEARING OR Δ	DISTANCE	DESCRIPTION
380+00.00	2148251.72'	6057407.22'	N43°34'13"E	158.27'	MH 17-605-37
381+58.27	2148366.39'	6057516.31'	N/A	N/A	MH 17-605-36

NOTES:

- FOR GENERAL NOTES SEE SHEET 2 OF THE PLANS.
- LOCATE, RECONSTRUCT, EXTEND, AND CONNECT ACTIVE LATERALS TO NEW SEWER MAIN. REMOVE EXISTING CLEANOUTS AND PROVIDE TWO-WAY CLEANOUTS WITH RISER, FRAME, CONCRETE COLLAR AND COVER.
- LOWER LATERALS SHALL BE HDPE SDR-17.
- RECONSTRUCT CITY MONUMENTS DISTURBED BY SEWER INSTALLATION. REFER TO STANDARD DETAIL PLAN NOS. 8090, 8091 AND 8179 OF THE SPECIFICATIONS, AS APPLICABLE.
- IN ACCORDANCE WITH SPECIAL CONDITION NO. 13 IN THE SPECIAL PROVISIONS, PRIOR TO PIPE-BURSTING, 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. 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.
- WORK SHOWN ON THIS SHEET IS LOCATED IN CITY OF BERKELEY FIRE ZONE 2 AND IS SUBJECT TO ALL WORK REQUIREMENTS AND RESTRICTIONS.
- FOR METHOD "B" CONSTRUCTION, CONTRACTOR TO VERIFY 5-FOOT MINIMUM RADIAL CLEARANCE WITH CRITICAL UTILITIES INCLUDING WATER AND GAS MAINS. VERIFY 5-FOOT MINIMUM HORIZONTAL CLEARANCE WITH BUILDINGS AND FOUNDATIONS. ONLY HAND EXCAVATION IS PERMITTED TO REINSTATE LATERALS ON PRIVATE PROPERTY.



11/1/2022

FOR CITY USE ONLY
REFERENCE SEWER MAP NO.
321 (50)

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

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

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

DESIGN: SMG
DRAWN: MC
CHECK: ALB
AS BUILT: _____

HORIZ. 1"=20'
VERT. 1"=5'
BOOK _____
DATE 11/1/22



CITY OF BERKELEY
DEPARTMENT OF PUBLIC WORKS

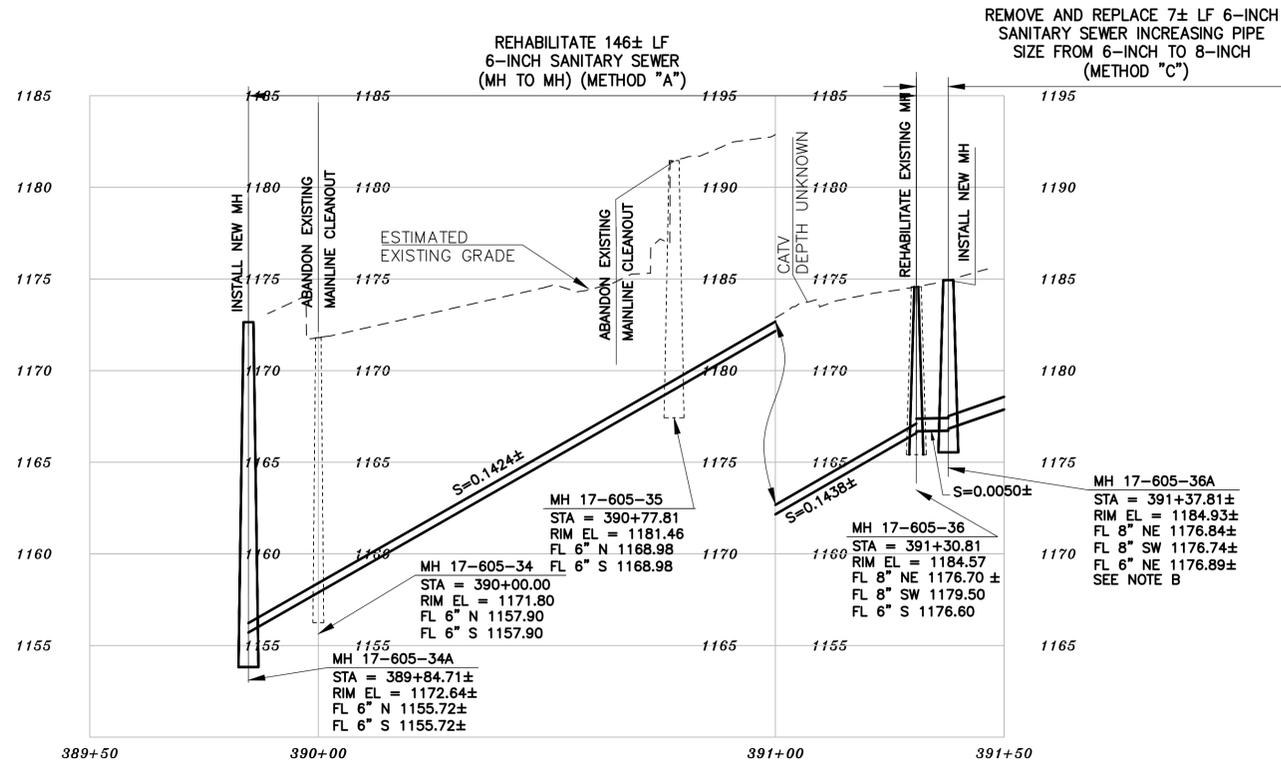
SANITARY SEWER REHABILITATION
1522 SUMMIT RD
PLAN AND PROFILE

PLAN 8265
FILE 502-713
SHEET 44 OF 58

N:\Clients\677 City of Berkeley\30-22-07 Parnassus Swr Rehab\CAD\Production\48 - 67730-2207_1522 SUMMIT RD.dwg [1522 SUMMIT RD] 11-01-22 11:24:53 AM sgreenwood

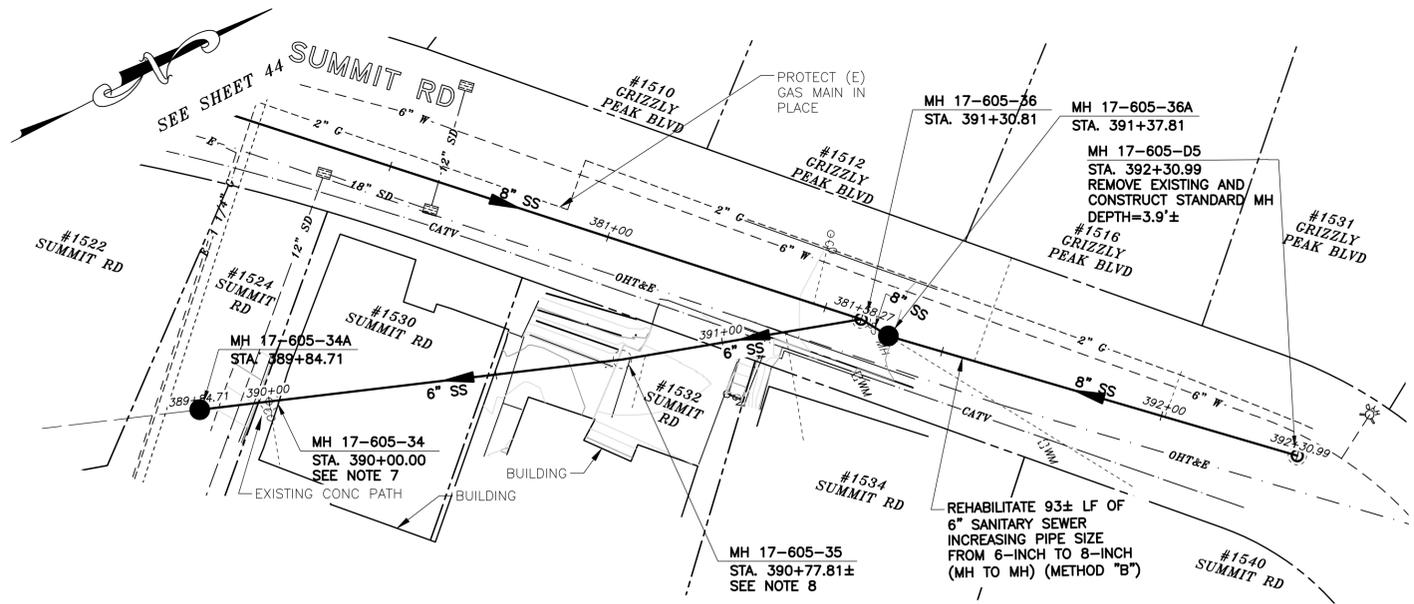
APPROVAL
DESCRIPTION
DATE
MARK
REVISION

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PROFILE

- NOTES:**
- A. FOR METHOD "B" CONSTRUCTION, CONTRACTOR TO VERIFY 5-FOOT MINIMUM RADIAL CLEARANCE WITH CRITICAL UTILITIES INCLUDING WATER AND GAS MAINS. VERIFY 5-FOOT MINIMUM HORIZONTAL CLEARANCE WITH BUILDINGS AND FOUNDATIONS. ONLY HAND EXCAVATION IS PERMITTED TO REINSTATE LATERALS ON PRIVATE PROPERTY.
 - B. INVERTS AT NEW MH 17-605-36 ARE APPROX AND ARE TO BE CONFIRMED BY CONTRACTOR PRIOR TO ORDERING MATERIALS. EXISTING SEWER MAIN IS CONNECTED TO LATERAL VIA TAP CONNECTION.



PLAN

- NOTES:**
1. FOR GENERAL NOTES SEE SHEET 2 OF THE PLANS.
 2. LOCATE, RECONSTRUCT, EXTEND, AND CONNECT ACTIVE LATERALS TO NEW SEWER MAIN. REMOVE EXISTING CLEANOUTS AND PROVIDE TWO-WAY CLEANOUTS WITH RISER, FRAME, CONCRETE COLLAR AND COVER.
 3. LOWER LATERALS SHALL BE HDPE SDR-17.
 4. RECONSTRUCT CITY MONUMENTS DISTURBED BY SEWER INSTALLATION. REFER TO STANDARD DETAIL PLAN NOS. 8090, 8091 AND 8179 OF THE SPECIFICATIONS, AS APPLICABLE.
 5. IN ACCORDANCE WITH SPECIAL CONDITION NO. 13 IN THE SPECIAL PROVISIONS, PRIOR TO PIPE-BURSTING, 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. 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.
 6. WORK SHOWN ON THIS SHEET IS LOCATED IN CITY OF BERKELEY FIRE ZONE 2 AND IS SUBJECT TO ALL WORK REQUIREMENTS AND RESTRICTIONS.
 7. ABANDON MH 17-605-34 BY SAW CUTTING EXISTING CONCRETE (CUTS SHALL BE NEAT AND AS CLOSE TO 90-DEGREES AS POSSIBLE), REMOVING EXISTING CLEANOUT STRUCTURE WITHIN TWO FEET OF SURFACE, FILLING CLEANOUT RISER WITH CLSM PER SPECIFICATIONS AFTER MAINLINE HAS BEEN REHABILITATED, AND INSTALLING NEW CONCRETE WALKWAY (MATCH EXISTING THICKNESS).
 8. MH 17-605-35 WAS NOT LOCATED DURING DESIGN. CONTRACTOR SHALL LOCATE AND ABANDON BY REMOVING CLEANOUT STRUCTURE WITHIN TWO FEET OF SURFACE AND FILLING CLEANOUT RISER WITH CLSM PER SPECIFICATIONS.

SANITARY SEWER LAYOUT - SUMMIT

STATION	NORTHING	EASTING	BEARING OR Δ	DISTANCE	DESCRIPTION
389+84.71	2148227.37'	6057471.51'	N18°52'29"E±	15.29'±	MH 17-605-34A
390+00.00	2148241.84'	6057476.45'	N18°52'29"E±	77.81'±	MH 17-605-34
390+77.81±	2148315.46'±	6057501.62'±	N16°05'26"E±	53.00'±	MH 17-605-35
391+30.81	2148370.17'	6057522.20'	N57°15'51"E	7.00'	MH 17-605-36
391+37.81	2148370.17'	6057522.20'	N41°55'31"E	93.17'	MH 17-605-36A
392+30.76	2148439.50'	6057584.46'	N/A	N/A	MH 17-605-D5

FOR CITY USE ONLY
REFERENCE SEWER MAP NO.
321 (50)

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 CIVIL ENGINEER: _____
 APPROVED: _____ DATE: _____
 CITY ENGINEER: _____

DESIGN: SMG
 DRAWN: MC
 CHECK: ALB
 AS BUILT: _____

HORIZ. 1"=20'
 VERT. 1"=5'
 BOOK: _____
 DATE: 11/1/22



CITY OF BERKELEY
DEPARTMENT OF PUBLIC WORKS

SANITARY SEWER REHABILITATION
1530 SUMMIT RD
PLAN AND PROFILE

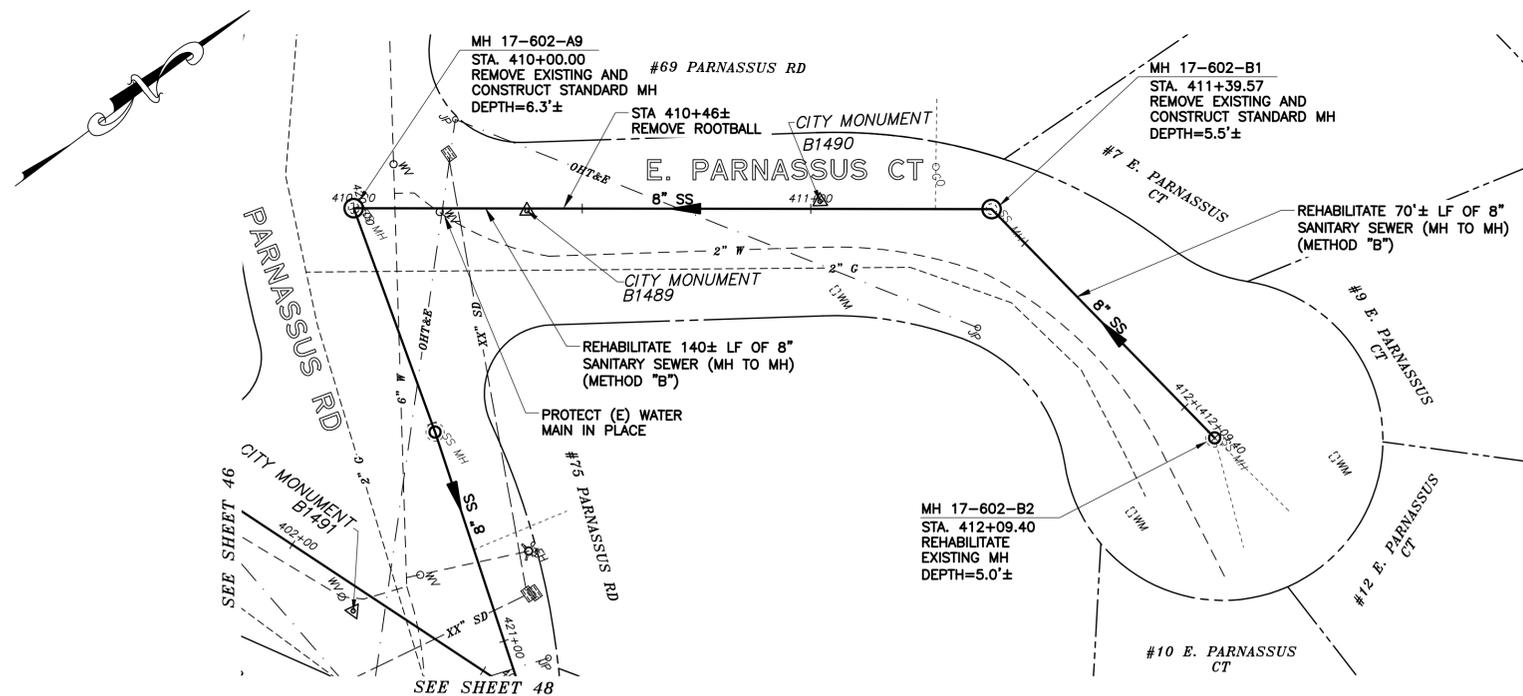
PLAN 8265
FILE 502-713
SHEET 45 OF 58



11/1/2022

REVISION	MARK	DATE	DESCRIPTION	APPROVAL

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- NOTES:**
- FOR GENERAL NOTES SEE SHEET 2 OF THE PLANS.
 - LOCATE, RECONSTRUCT, EXTEND, AND CONNECT ACTIVE LATERALS TO NEW SEWER MAIN. REMOVE EXISTING CLEANOUTS AND PROVIDE TWO-WAY CLEANOUTS WITH RISER, FRAME, CONCRETE COLLAR AND COVER.
 - LOWER LATERALS SHALL BE HDPE SDR-17.
 - RECONSTRUCT CITY MONUMENTS DISTURBED BY SEWER INSTALLATION. REFER TO STANDARD DETAIL PLAN NOS. 8090, 8091 AND 8179 OF THE SPECIFICATIONS, AS APPLICABLE.
 - IN ACCORDANCE WITH SPECIAL CONDITION NO. 13 IN THE SPECIAL PROVISIONS, PRIOR TO PIPE-BURSTING, 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. 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.
 - WORK SHOWN ON THIS SHEET IS LOCATED IN CITY OF BERKELEY FIRE ZONE 2 AND IS SUBJECT TO ALL WORK REQUIREMENTS AND RESTRICTIONS.
 - FOR METHOD "B" CONSTRUCTION, CONTRACTOR TO VERIFY 5-FOOT MINIMUM RADIAL CLEARANCE WITH CRITICAL UTILITIES INCLUDING WATER AND GAS MAINS. VERIFY 5-FOOT MINIMUM HORIZONTAL CLEARANCE WITH BUILDINGS AND FOUNDATIONS. ONLY HAND EXCAVATION IS PERMITTED TO REINSTATE LATERALS ON PRIVATE PROPERTY.

SANITARY SEWER LAYOUT – PARNASSUS CT

STATION	NORTHING	EASTING	BEARING OR Δ	DISTANCE	DESCRIPTION
410+00.00	2148204.98'	6055571.41'	N35°24'39"E	139.75'	MH 17-602-A9
411+39.75	2148318.74'	6055652.29'	N80°59'27"E	69.83'	MH 17-602-B1
412+09.40	2148329.67'	6055721.25'	N/A	N/A	MH 17-602-B2

PLAN



FOR CITY USE ONLY
REFERENCE SEWER MAP NO.
323 (50)

PROJECT MANAGER: _____ DATE _____	DEPICTION OF MONUMENTS: _____ DATE _____	SUBMITTED: _____ DATE _____	DESIGN: _____ SMG _____	HORIZ. _____ 1"=20' _____
SURVEY CHIEF OF PARTY _____	WATERSHED REVIEW: _____ DATE _____	SUPERVISING CIVIL ENGINEER _____	DRAWN: _____ MC _____	VERT. _____ 1"=5' _____
_____	_____	APPROVED: _____ DATE _____	CHECK: _____ ALB _____	BOOK _____
_____	_____	CITY ENGINEER _____	AS BUILT _____	DATE 10/31/22

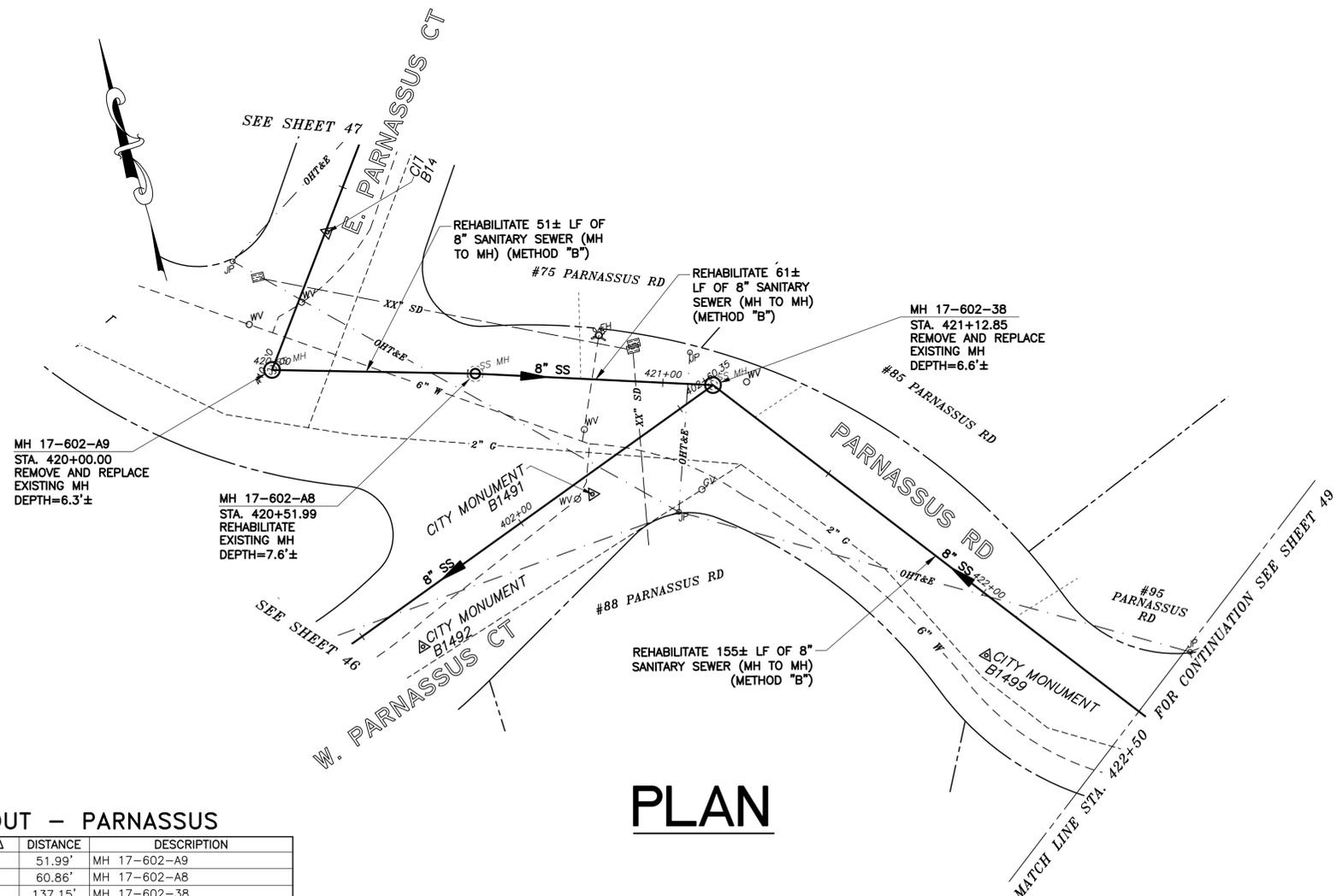


CITY OF BERKELEY
DEPARTMENT OF PUBLIC WORKS

SANITARY SEWER REHABILITATION
E. PARNASSUS CT
PLAN AND PROFILE

PLAN 8265	APPROVAL
FILE 502-713	DESCRIPTION
SHEET 47 OF 58	DATE
	MARK
	REVISION

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PLAN

SANITARY SEWER LAYOUT - PARNASSUS

STATION	NORTHING	EASTING	BEARING OR Δ	DISTANCE	DESCRIPTION
420+00.00	2148204.98'	6055571.41'	S74°41'59"E	51.99'	MH 17-602-A9
420+51.99	2148191.27'	6055621.56'	S72°59'20"E	60.86'	MH 17-602-AB
421+12.85	2148173.46'	6055679.75'	S38°20'31"E	137.15'	MH 17-602-38
422+50.00	2148065.88'	6055764.84'	N/A	N/A	MATCHLINE

NOTES:

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FOR CITY USE ONLY
REFERENCE SEWER MAP NO.
323 (50)

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

SUBMITTED:	DATE	DESIGN:	SMG
R.C.E. N/A		DRAWN:	MC
EXP. N/A		CHECK:	ALB
		AS BUILT:	

APPROVED:	DATE	HORIZ.:	1"=20'
R.C.E. N/A		VERT.:	1"=5'
EXP. N/A		BOOK:	
		DATE:	10/31/22



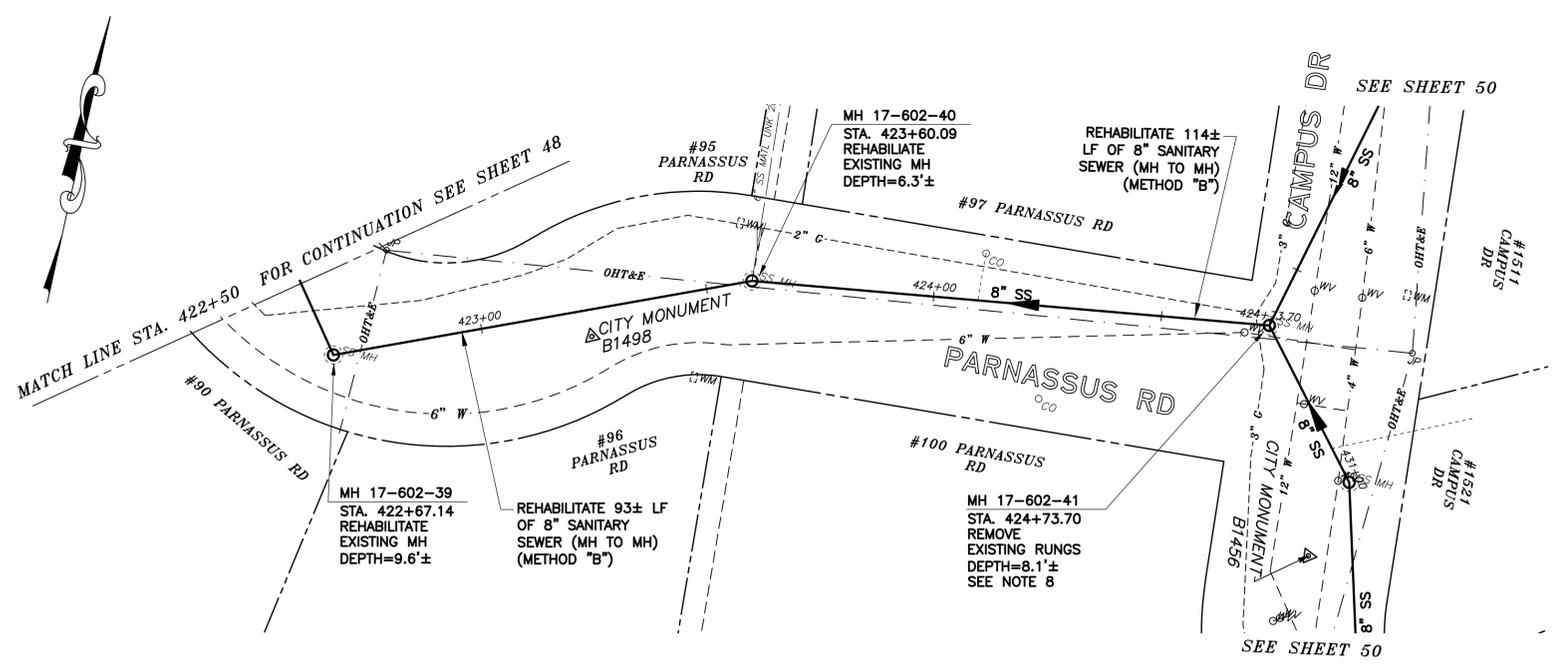
CITY OF BERKELEY
DEPARTMENT OF PUBLIC WORKS

SANITARY SEWER REHABILITATION
PARNASSUS RD - 1
PLAN AND PROFILE

PLAN	8265
FILE	502-713
SHEET	48 OF 58

APPROVAL	
DESCRIPTION	
DATE	
MARK	
REVISION	

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PLAN

NOTES:

- FOR GENERAL NOTES SEE SHEET 2 OF THE PLANS.
- LOCATE, RECONSTRUCT, EXTEND, AND CONNECT ACTIVE LATERALS TO NEW SEWER MAIN. REMOVE EXISTING CLEANOUTS AND PROVIDE TWO-WAY CLEANOUTS WITH RISER, FRAME, CONCRETE COLLAR AND COVER.
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- FILL VOIDS CAUSED BY RUNG REMOVAL WITH NON-SHRINK GROUT.

SANITARY SEWER LAYOUT - PARNASSUS

STATION	NORTHING	EASTING	BEARING OR Δ	DISTANCE	DESCRIPTION
422+50.00	2148065.88'	6055764.84'	S38°20'31"E	17.14'	MATCHLINE
422+67.14	2148052.45'	6055775.47'	N66°07'07"E	92.95'	MH 17-602-39
423+60.09	2148090.08'	6055860.47'	N81°02'32"E	113.61'	MH 17-602-40
424+73.70	2148107.77'	6055972.69'	N/A	N/A	MH 17-602-41



FOR CITY USE ONLY
REFERENCE SEWER MAP NO.
323 (50)

PROJECT MANAGER: _____ DATE _____	DEPICTION OF MONUMENTS: _____ DATE _____	SUBMITTED: _____ DATE _____	DESIGN: SMG	HORIZ. 1"=20'
SURVEY CHIEF OF PARTY: _____	SUPERVISING CIVIL ENGINEER: _____	R.C.E. N/A	DRAWN: MC	VERT. 1"=5'
WATERSHED REVIEW: _____ DATE _____	APPROVED: _____ DATE _____	EXP. N/A	CHECK: ALB	BOOK _____
FOR REDUCED PLANS - ORIGINAL SCALE IS IN INCHES	CITY ENGINEER: _____	EXP. N/A	AS BUILT _____	DATE 10/31/22

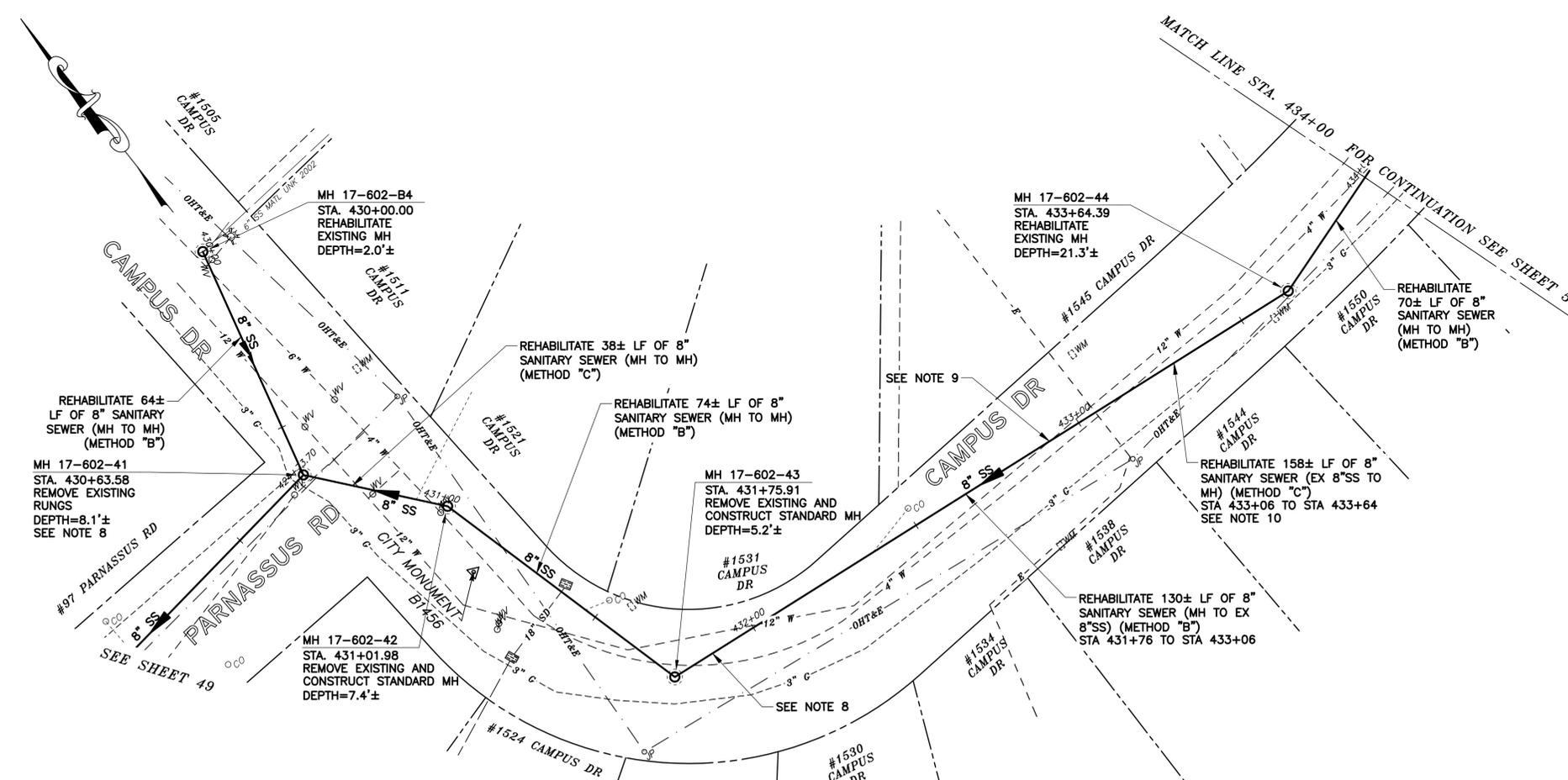


CITY OF BERKELEY
DEPARTMENT OF PUBLIC WORKS

SANITARY SEWER REHABILITATION
PARNASSUS RD - 2
PLAN AND PROFILE

PLAN 8265	APPROVAL
FILE 502-713	DESCRIPTION
SHEET 49 OF 58	DATE
	MARK
	REVISION

N:\Clients\677 City of Berkeley\30-22-07 Parnassus Swr Rehab\CAD\Production\54-55 - 67730-2207_CAMPUS DR.dwg [CAMPUS DR - 1] 11-01-22 11:43:38 AM sgreenwood



- NOTES:**
- FOR GENERAL NOTES SEE SHEET 2 OF THE PLANS.
 - LOCATE, RECONSTRUCT, EXTEND, AND CONNECT ACTIVE LATERALS TO NEW SEWER MAIN. REMOVE EXISTING CLEANOUTS AND PROVIDE TWO-WAY CLEANOUTS WITH RISER, FRAME, CONCRETE COLLAR AND COVER.
 - LOWER LATERALS SHALL BE HDPE SDR-17.
 - RECONSTRUCT CITY MONUMENTS DISTURBED BY SEWER INSTALLATION. REFER TO STANDARD DETAIL PLAN NOS. 8090, 8091 AND 8179 OF THE SPECIFICATIONS, AS APPLICABLE.
 - IN ACCORDANCE WITH SPECIAL CONDITION NO. 13 IN THE SPECIAL PROVISIONS, PRIOR TO PIPE-BURSTING, 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. 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.
 - WORK SHOWN ON THIS SHEET IS LOCATED IN CITY OF BERKELEY FIRE ZONE 2 AND IS SUBJECT TO ALL WORK REQUIREMENTS AND RESTRICTIONS.
 - FOR METHOD "B" CONSTRUCTION, CONTRACTOR TO VERIFY 5-FOOT MINIMUM RADIAL CLEARANCE WITH CRITICAL UTILITIES INCLUDING WATER AND GAS MAINS. VERIFY 5-FOOT MINIMUM HORIZONTAL CLEARANCE WITH BUILDINGS AND FOUNDATIONS. ONLY HAND EXCAVATION IS PERMITTED TO REINSTATE LATERALS TO PRIVATE PROPERTY.
 - REPAIR SAG 18 LF STA 431+76± TO STA 431+94± (METHOD "C").
 - REPAIR SAG 10 LF STA 432+86± TO STA 432+96± (METHOD "C").
 - CCTV NOT AVAILABLE FOR PIPE SEGMENTS FROM STA 433+06 TO STA 433+64. CONTRACTOR SHALL ASSUME METHOD "C" REHABILITATION FOR THIS SEGMENT. CONTRACTOR OPTION TO REHABILITATE SEWER WITH METHOD "B" IF DEEMED FEASIBLE DURING CONSTRUCTION.
 - FILL VOIDS CAUSED BY RUNG REMOVAL WITH NON-SHRINK GROUT.

SANITARY SEWER LAYOUT - CAMPUS

STATION	NORTHING	EASTING	BEARING OR Δ	DISTANCE	DESCRIPTION
430+00.00	2148169.82'	6055986.57'	S12°36'41"E	63.58'	MH 17-602-B4
430+63.58	2148107.77'	6055972.69'	S40°54'27"E	38.40'	MH 17-602-41
431+01.98	2148078.74'	6055997.84'	S16°15'47"E	73.93'	MH 17-602-42
431+75.91	2148007.77'	6056018.54'	S85°13'54"E	188.48'	MH 17-602-43
433+64.39	2147992.10'	6056206.37'	N70°58'28"E	35.61'	MH 17-602-44
434+00.00	2148003.71'	6056240.03'	N/A	N/A	MATCHLINE

PLAN



11/1/2022

FOR CITY USE ONLY
REFERENCE SEWER MAP NO.
323 (50)

PROJECT MANAGER: _____ DATE _____	DEPICTION OF MONUMENTS: _____ DATE _____	SUBMITTED: _____ DATE _____	R.C.E. N/A	DESIGN: SMG	HORIZ. 1"=20'
SURVEY CHIEF OF PARTY: _____	WATERSHED REVIEW: _____ DATE _____	SUPERVISING CIVIL ENGINEER: _____	EXP. N/A	DRAWN: MC	VERT. 1"=5'
APPROVED: _____	CITY ENGINEER: _____	DATE: _____	R.C.E. N/A	CHECK: ALB	BOOK: _____
			EXP. N/A	AS BUILT: _____	DATE: 11/1/22



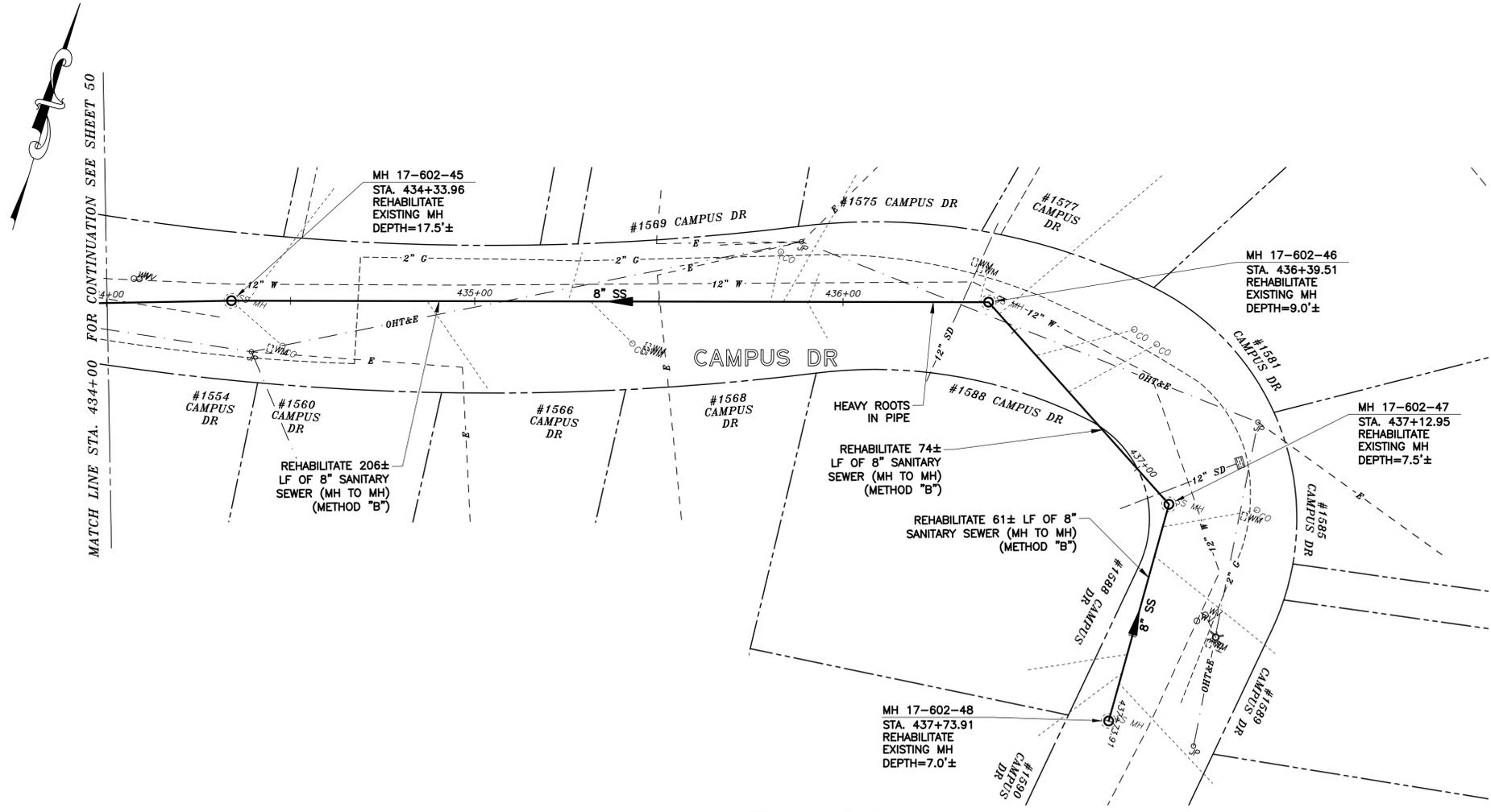
CITY OF BERKELEY
DEPARTMENT OF PUBLIC WORKS

SANITARY SEWER REHABILITATION
CAMPUS DR - 1
PLAN AND PROFILE

PLAN 8265
FILE 502-713
SHEET 50 OF 58

REVISION	MARK	DATE	DESCRIPTION	APPROVAL

N:\Clients\677 City of Berkeley\30-22-07 Parnassus Swr Rehab\CAD\Production\54-55 - 67730-2207_CAMPUS DR.dwg [CAMPUS DR - 2] 10-31-22 04:11:58 PM sgreenwood



PLAN

SANITARY SEWER LAYOUT - CAMPUS

STATION	NORTHING	EASTING	BEARING OR Δ	DISTANCE	DESCRIPTION
434+00.00	2148003.71'	6056240.03'	N70°58'28"E	33.96'	MATCHLINE
434+33.96	2148014.78'	6056272.14'	N72°04'51"E	205.55'	MH 17-602-45
436+39.51	2148078.02'	6056467.71'	S59°49'44"E	73.45'	MH 17-602-46
437+12.95	2148041.11'	6056531.21'	S02°26'34"E	60.96'	MH 17-602-47
437+73.91	2147980.21'	6056533.81'	N/A	N/A	MH 17-602-48

NOTES:

- FOR GENERAL NOTES SEE SHEET 2 OF THE PLANS.
- LOCATE, RECONSTRUCT, EXTEND, AND CONNECT ACTIVE LATERALS TO NEW SEWER MAIN. REMOVE EXISTING CLEANOUTS AND PROVIDE TWO-WAY CLEANOUTS WITH RISER, FRAME, CONCRETE COLLAR AND COVER.
- LOWER LATERALS SHALL BE HDPE SDR-17.
- RECONSTRUCT CITY MONUMENTS DISTURBED BY SEWER INSTALLATION. REFER TO STANDARD DETAIL PLAN NOS. 8090, 8091 AND 8179 OF THE SPECIFICATIONS, AS APPLICABLE.
- IN ACCORDANCE WITH SPECIAL CONDITION NO. 13 IN THE SPECIAL PROVISIONS, PRIOR TO PIPE-BURSTING, 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. 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.
- WORK SHOWN ON THIS SHEET IS LOCATED IN CITY OF BERKELEY FIRE ZONE 2 AND IS SUBJECT TO ALL WORK REQUIREMENTS AND RESTRICTIONS.
- FOR METHOD "B" CONSTRUCTION, CONTRACTOR TO VERIFY 5-FOOT MINIMUM RADIAL CLEARANCE WITH CRITICAL UTILITIES INCLUDING WATER AND GAS MAINS. VERIFY 5-FOOT MINIMUM HORIZONTAL CLEARANCE WITH BUILDINGS AND FOUNDATIONS. ONLY HAND EXCAVATION IS PERMITTED TO REINSTATE LATERALS ON PRIVATE PROPERTY.



11/1/2022

FOR CITY USE ONLY
REFERENCE SEWER MAP NO.
322, 323 (50)

PROJECT MANAGER:	DATE	DEPICTION OF MONUMENTS:	DATE	SUBMITTED:	DATE
		SURVEY CHIEF OF PARTY		R.C.E. N/A	
		WATERSHED REVIEW:	DATE	EXP. N/A	

DESIGN:	SMG	HORIZ.:	1"=20'
DRAWN:	MC	VERT.:	1"=5'
CHECK:	ALB	BOOK:	
AS BUILT:		DATE:	10/31/22



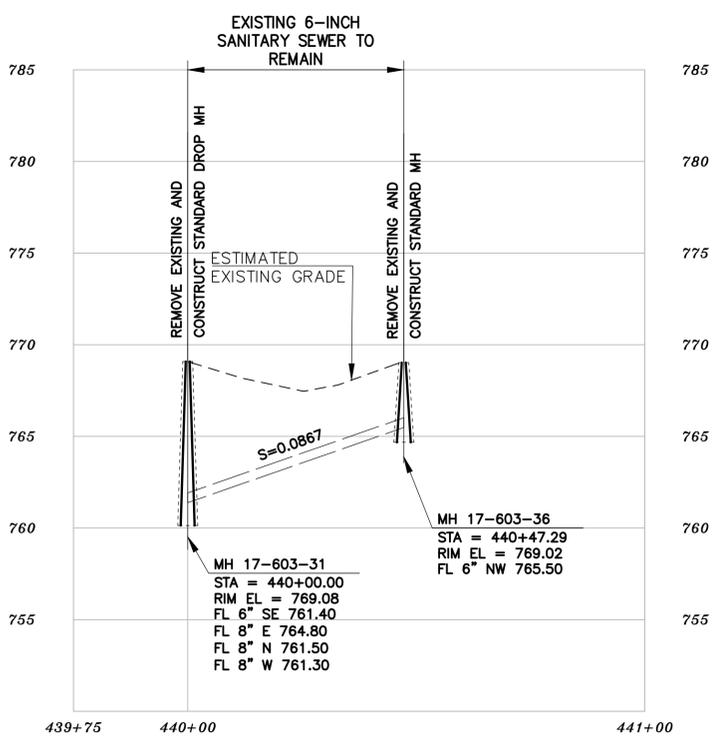
CITY OF BERKELEY
DEPARTMENT OF PUBLIC WORKS

SANITARY SEWER REHABILITATION
CAMPUS DR - 2
PLAN AND PROFILE

PLAN	8265
FILE	502-713
SHEET	51 OF 58

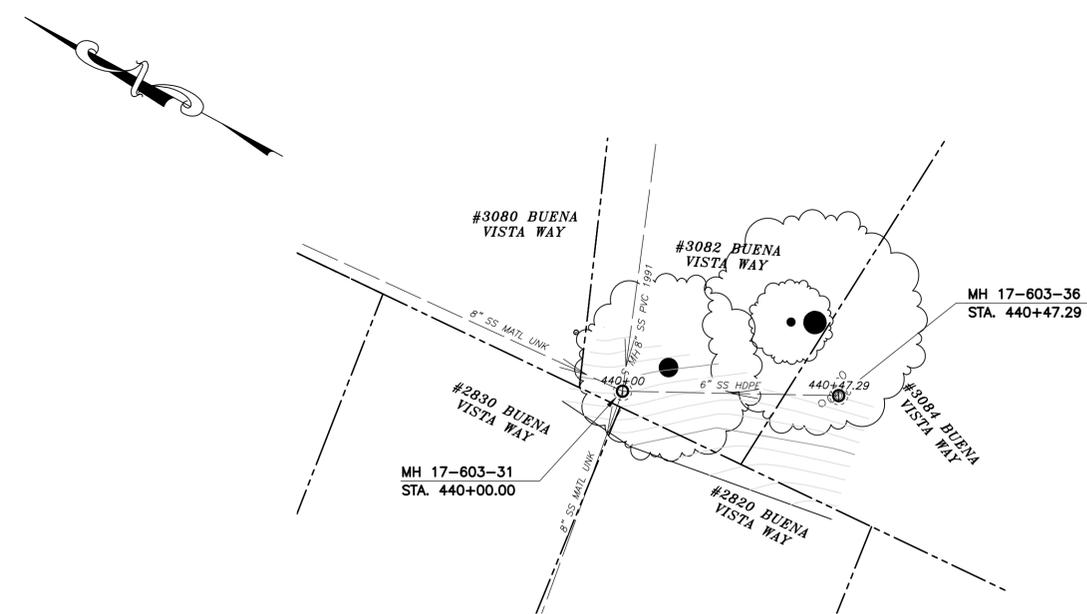
APPROVAL	
DESCRIPTION	
DATE	
MARK	
REVISION	

N:\Clients\677 City of Berkeley\30-22-07 Parnassus Swr Rehab\CAD\Production\56 - 67730-2207_3082 BUENA VISTA WAY.dwg [3082 BUENA VISTA WAY BACKLINE] 10-31-22 04:12:21 PM sgreenwood



PROFILE

NOTES:
 A. FOR METHOD "B" CONSTRUCTION, CONTRACTOR TO VERIFY 5-FOOT MINIMUM RADIAL CLEARANCE WITH CRITICAL UTILITIES INCLUDING WATER AND GAS MAINS. VERIFY 5-FOOT MINIMUM HORIZONTAL CLEARANCE WITH BUILDINGS AND FOUNDATIONS. ONLY HAND EXCAVATION IS PERMITTED TO REINSTATE LATERALS ON PRIVATE PROPERTY.



PLAN

NOTES:

- FOR GENERAL NOTES SEE SHEET 2 OF THE PLANS.
- LOCATE, RECONSTRUCT, EXTEND, AND CONNECT ACTIVE LATERALS TO NEW SEWER MAIN. REMOVE EXISTING CLEANOUTS AND PROVIDE TWO-WAY CLEANOUTS WITH RISER, FRAME, CONCRETE COLLAR AND COVER.
- LOWER LATERALS SHALL BE HDPE SDR-17.
- RECONSTRUCT CITY MONUMENTS DISTURBED BY SEWER INSTALLATION. REFER TO STANDARD DETAIL PLAN NOS. 8090, 8091 AND 8179 OF THE SPECIFICATIONS, AS APPLICABLE.
- IN ACCORDANCE WITH SPECIAL CONDITION NO. 13 IN THE SPECIAL PROVISIONS, PRIOR TO PIPE-BURSTING, 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. 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.
- WORK SHOWN ON THIS SHEET IS LOCATED IN CITY OF BERKELEY FIRE ZONE 2 AND IS SUBJECT TO ALL WORK REQUIREMENTS AND RESTRICTIONS.

SANITARY SEWER LAYOUT - BUENA VISTA

STATION	NORTHING	EASTING	BEARING OR Δ	DISTANCE	DESCRIPTION
440+00.00	2148232.22'	6055010.36'	S28°32'11"E	47.29'	MH 17-603-31
440+47.29	2148190.67'	6055032.95'	N/A	N/A	MH 17-603-36

FOR CITY USE ONLY
 REFERENCE SEWER MAP NO.
 324 (50)

PROJECT MANAGER: _____ DATE _____	DEPICTION OF MONUMENTS: _____ DATE _____	SUBMITTED: _____ DATE _____	DESIGN: <u>SMG</u>	HORIZ. <u>1"=20'</u>
SURVEY CHIEF OF PARTY: _____	WATERSHED REVIEW: _____ DATE _____	SUPERVISING CIVIL ENGINEER: _____	DRAWN: <u>MC</u>	VERT. <u>1"=5'</u>
FOR REDUCED PLANS - ORIGINAL SCALE IS IN INCHES	APPROVED: _____ DATE _____	CITY ENGINEER: _____	CHECK: <u>ALB</u>	BOOK: _____
			AS BUILT: _____	DATE: <u>10/31/22</u>



CITY OF BERKELEY
 DEPARTMENT OF PUBLIC WORKS

SANITARY SEWER REHABILITATION
 3082 BUENA VISTA WAY
 PLAN AND PROFILE

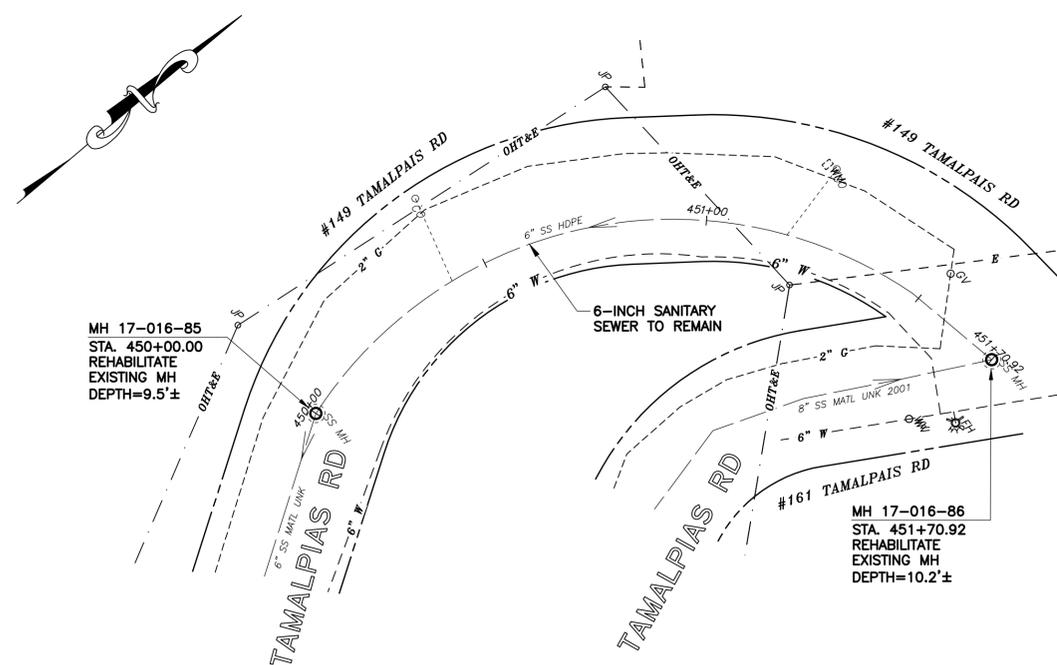


11/1/2022

REVISION	MARK	DATE	DESCRIPTION	APPROVAL

PLAN 8265
 FILE 502-713
 SHEET 52 OF 58

N:\Clients\677 City of Berkeley\30-22-07 Parnassus Swr Rehab\CAD\Production\57 - 67730-2207_149 TAMALPIAS RD.dwg [149 TAMALPIAS RD] 10-31-22 04:12:47 PM sgreenwood



PLAN

SANITARY SEWER LAYOUT - TAMALPIAS

STATION	NORTHING	EASTING	BEARING OR Δ	DISTANCE	DESCRIPTION
450+00.00	2149895.17'	6053709.72'	UNK	170.92'	MH 17-016-85
451+70.92	2150018.24'	6053792.51'	N/A	N/A	MH 17-016-86

NOTES:

- FOR GENERAL NOTES SEE SHEET 2 OF THE PLANS.
- LOCATE, RECONSTRUCT, EXTEND, AND CONNECT ACTIVE LATERALS TO NEW SEWER MAIN. REMOVE EXISTING CLEANOUTS AND PROVIDE TWO-WAY CLEANOUTS WITH RISER, FRAME, CONCRETE COLLAR AND COVER.
- LOWER LATERALS SHALL BE HDPE SDR-17.
- RECONSTRUCT CITY MONUMENTS DISTURBED BY SEWER INSTALLATION. REFER TO STANDARD DETAIL PLAN NOS. 8090, 8091 AND 8179 OF THE SPECIFICATIONS, AS APPLICABLE.
- IN ACCORDANCE WITH SPECIAL CONDITION NO. 13 IN THE SPECIAL PROVISIONS, PRIOR TO PIPE-BURSTING, 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. 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.
- WORK SHOWN ON THIS SHEET IS LOCATED IN CITY OF BERKELEY FIRE ZONE 2 AND IS SUBJECT TO ALL WORK REQUIREMENTS AND RESTRICTIONS.



11/1/2022

FOR CITY USE ONLY
REFERENCE SEWER MAP NO.
362 (50)

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

SUBMITTED:	DATE	DESIGN:	SMG
R.C.E.:	N/A	DRAWN:	MC
EXP.:	N/A	CHECK:	ALB
		AS BUILT:	

APPROVED:	DATE	HORIZ.:	1"=20'
R.C.E.:	N/A	VERT.:	1"=5'
EXP.:	N/A	BOOK:	
CITY ENGINEER:		DATE:	10/31/22



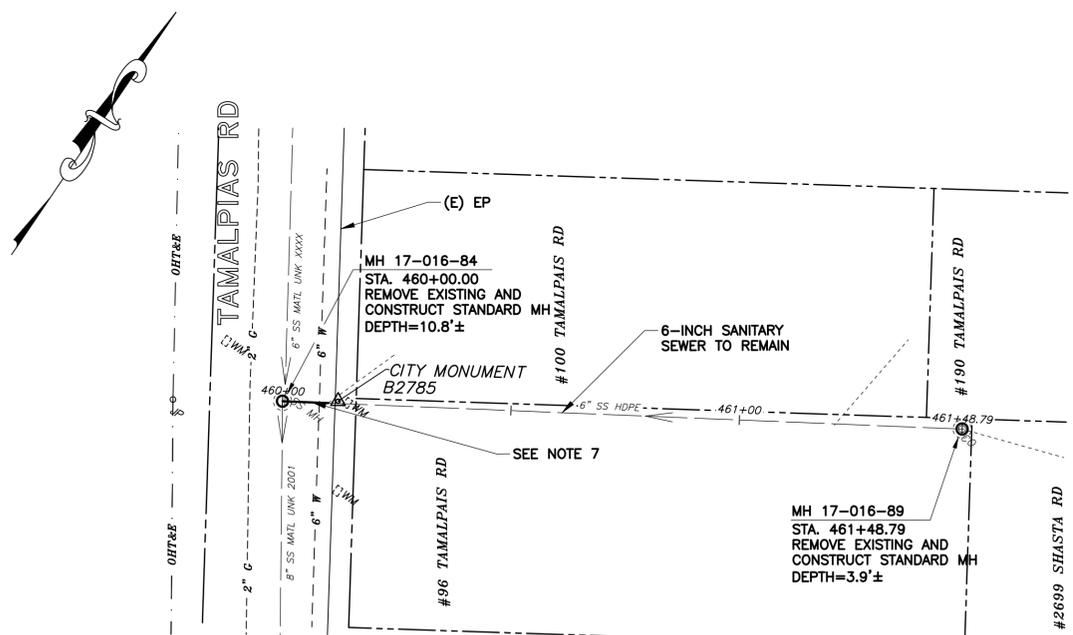
CITY OF BERKELEY
DEPARTMENT OF PUBLIC WORKS

SANITARY SEWER REHABILITATION
149 TAMALPIAS RD
PLAN AND PROFILE

PLAN	8265
FILE	502-713
SHEET	53 OF 58

REVISION	MARK	DATE	DESCRIPTION	APPROVAL

N:\Clients\677 City of Berkeley\30-22-07 Parnassus Swr Rehab\CAD\Production\58 - 67730-2207_96 TAMALPIAS RD.dwg [96 TAMALPIAS RD] 10-31-22 04:13:08 PM sgreenwood



PLAN

SANITARY SEWER LAYOUT - TAMALPAIS

STATION	NORTHING	EASTING	BEARING OR Δ	DISTANCE	DESCRIPTION
460+00.00	2149600.63'	6053907.54'	N56°41'04"E	148.79'	MH 17-016-84
461+48.79	2149682.35'	6054031.88'	N/A	N/A	MH 17-016-89

NOTES:

- FOR GENERAL NOTES SEE SHEET 2 OF THE PLANS.
- LOCATE, RECONSTRUCT, EXTEND, AND CONNECT ACTIVE LATERALS TO NEW SEWER MAIN. REMOVE EXISTING CLEANOUTS AND PROVIDE TWO-WAY CLEANOUTS WITH RISER, FRAME, CONCRETE COLLAR AND COVER.
- LOWER LATERALS SHALL BE HDPE SDR-17.
- RECONSTRUCT CITY MONUMENTS DISTURBED BY SEWER INSTALLATION. REFER TO STANDARD DETAIL PLAN NOS. 8090, 8091 AND 8179 OF THE SPECIFICATIONS, AS APPLICABLE.
- IN ACCORDANCE WITH SPECIAL CONDITION NO. 13 IN THE SPECIAL PROVISIONS, PRIOR TO PIPE-BURSTING, 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. 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.
- WORK SHOWN ON THIS SHEET IS LOCATED IN CITY OF BERKELEY FIRE ZONE 2 AND IS SUBJECT TO ALL WORK REQUIREMENTS AND RESTRICTIONS.
- REMOVE AND REPLACE 6-INCH VCP SANITARY SEWER STA 460+00± TO 460+10± (METHOD C) GRADE BREAK AT 460+07±.
- ONLY HAND EXCAVATION (METHOD "C") WILL BE ALLOWED FOR WORK LOCATED ON PRIVATE PROPERTY.
- ALL DAMAGED/DISPLACED SURFACE FEATURES AND LANDSCAPING SHALL BE REPLACED IN KIND.



11/1/2022

FOR CITY USE ONLY
REFERENCE SEWER MAP NO.
362 (50)

PROJECT MANAGER: _____ DATE _____	DEPICTION OF MONUMENTS: _____ DATE _____	SUBMITTED: _____ DATE _____	DESIGN: <u>SMG</u>	HORIZ. <u>1"=20'</u>
SURVEY CHIEF OF PARTY _____	SUPERVISING CIVIL ENGINEER _____	R.C.E. <u>N/A</u>	DRAWN: <u>MC</u>	VERT. <u>1"=5'</u>
WATERSHED REVIEW: _____ DATE _____	APPROVED: _____ DATE _____	EXP. <u>N/A</u>	CHECK: <u>ALB</u>	BOOK: _____
FOR REDUCED PLANS - ORIGINAL SCALE IS IN INCHES	CITY ENGINEER _____	EXP. <u>N/A</u>	AS BUILT: _____	DATE: <u>10/31/22</u>



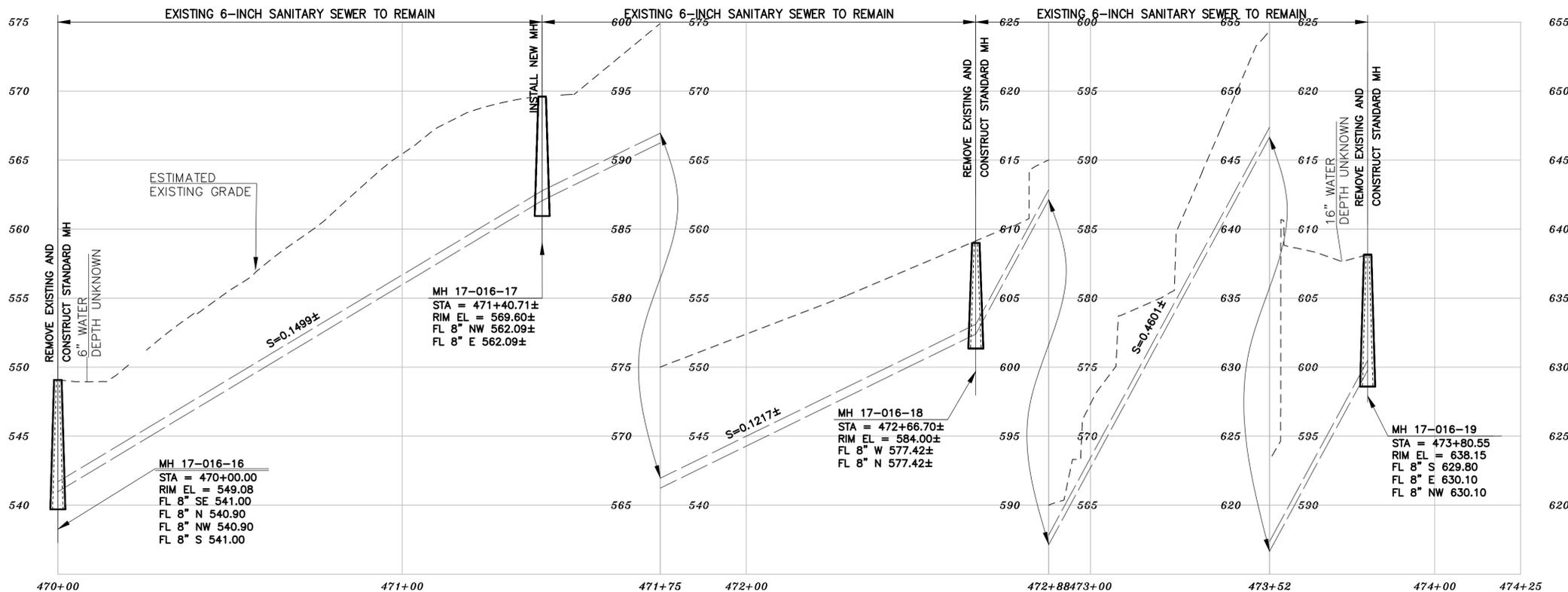
CITY OF BERKELEY
DEPARTMENT OF PUBLIC WORKS

SANITARY SEWER REHABILITATION
96 TAMALPIAS RD
PLAN AND PROFILE

PLAN	8265
FILE	502-713
SHEET	54 OF 58

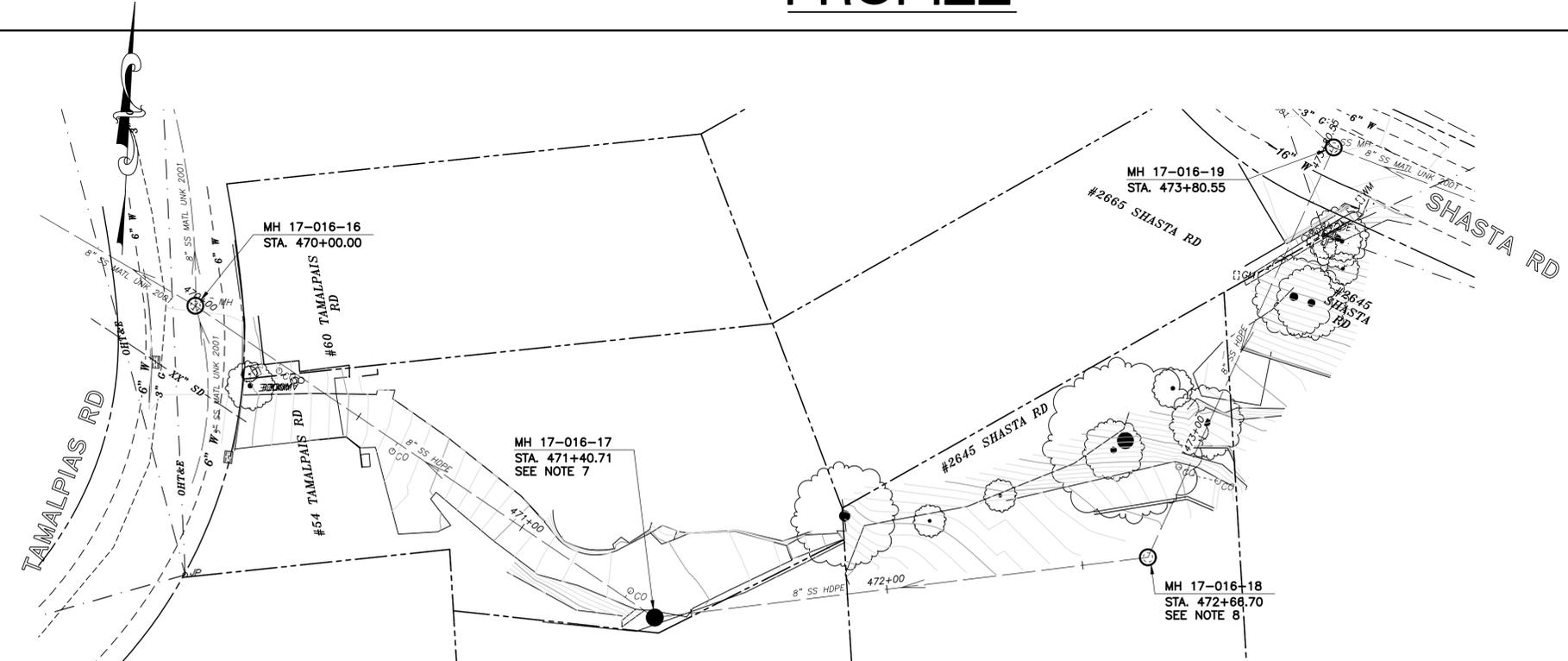
APPROVAL	
DESCRIPTION	
DATE	
MARK	
REVISION	

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PROFILE

NOTES:
 A. FOR METHOD "B" CONSTRUCTION, CONTRACTOR TO VERIFY 5-FOOT MINIMUM RADIAL CLEARANCE WITH CRITICAL UTILITIES INCLUDING WATER AND GAS MAINS. VERIFY 5-FOOT MINIMUM HORIZONTAL CLEARANCE WITH BUILDINGS AND FOUNDATIONS. ONLY HAND EXCAVATION IS PERMITTED TO REINSTATE LATERALS ON PRIVATE PROPERTY.



PLAN

- NOTES:**
- FOR GENERAL NOTES SEE SHEET 2 OF THE PLANS.
 - LOCATE, RECONSTRUCT, EXTEND, AND CONNECT ACTIVE LATERALS TO NEW SEWER MAIN. REMOVE EXISTING CLEANOUTS AND PROVIDE TWO-WAY CLEANOUTS WITH RISER, FRAME, CONCRETE COLLAR AND COVER.
 - LOWER LATERALS SHALL BE HDPE SDR-17.
 - RECONSTRUCT CITY MONUMENTS DISTURBED BY SEWER INSTALLATION. REFER TO STANDARD DETAIL PLAN NOS. 8090, 8091 AND 8179 OF THE SPECIFICATIONS, AS APPLICABLE.
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 - WORK SHOWN ON THIS SHEET IS LOCATED IN CITY OF BERKELEY FIRE ZONE 2 AND IS SUBJECT TO ALL WORK REQUIREMENTS AND RESTRICTIONS.
 - MH 17-016-17 PROPOSED LOCATION IS APPROXIMATE. CONTRACTOR SHALL LOCATE SEWER MAIN PRIOR TO CONSTRUCTION TO CONFIRM (N) MH PLACEMENT.
 - MH 17-016-18 WAS NOT SURVEYED. CONTRACTOR SHALL VERIFY RIM AND INVERT PRIOR TO ORDERING MH MATERIALS.
 - ALL DAMAGED/DISPLACED SURFACE FEATURES AND LANDSCAPING SHALL BE REPLACED IN KIND.
 - ONLY HAND EXCAVATION (METHOD "C") WILL BE ALLOWED FOR WORK ON PRIVATE PROPERTY.

SANITARY SEWER LAYOUT - TAMALPIAS

STATION	NORTHING	EASTING	BEARING OR Δ	DISTANCE	DESCRIPTION
470+00.00	2149276.55'	6054095.11'	S60°15'43"E±	140.71±	MH 17-016-16
471+40.71±	2149206.76±	6054217.29±	N78°42'32"E±	125.99±	MH 17-016-17
472+66.70±	2149231.43±	6054340.84±	N20°06'23"E±	113.85±	MH 17-016-18
473+80.55	2149338.34'	6054379.98'	N/A	N/A	MH 17-016-19



11/1/2022

FOR CITY USE ONLY
 REFERENCE SEWER MAP NO.
 344 (50)

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

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

SUBMITTED: _____ DATE _____
 R.C.E. N/A
 EXP. N/A
 SUPERVISING CIVIL ENGINEER _____ DATE _____
 APPROVED: _____ DATE _____
 R.C.E. N/A
 EXP. N/A
 CITY ENGINEER _____

DESIGN: SMG
 DRAWN: MC
 CHECK: ALB
 AS BUILT

HORIZ. 1"=20'
 VERT. 1"=5'
 BOOK _____
 DATE 10/31/22



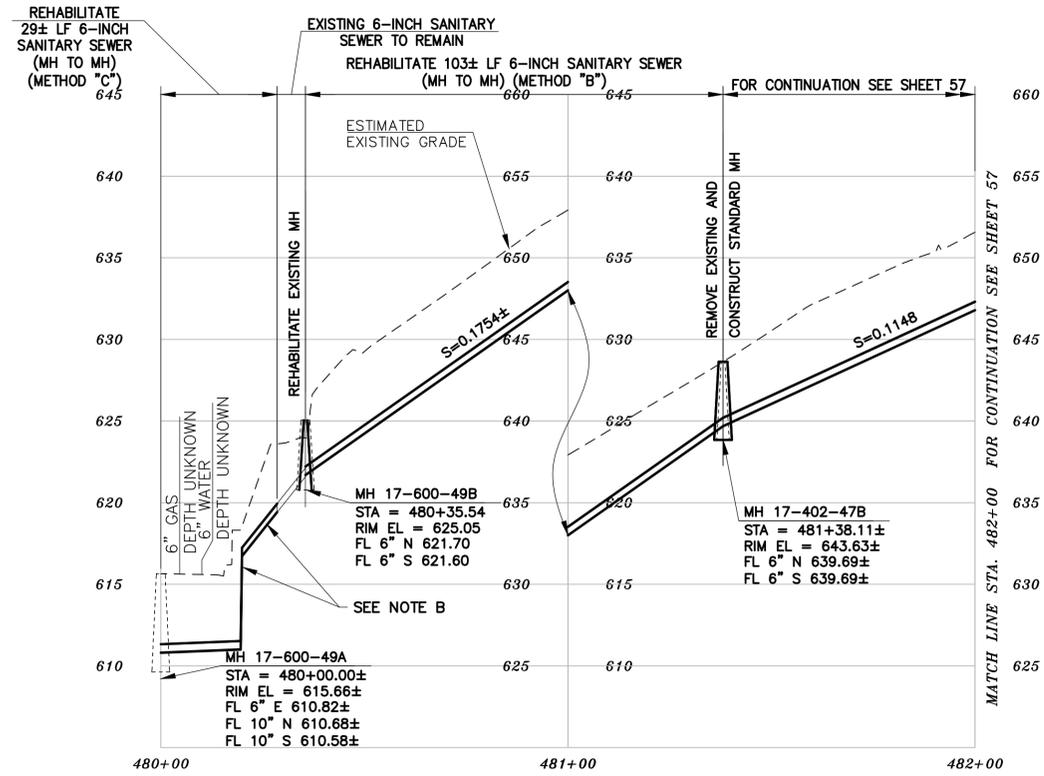
CITY OF BERKELEY
 DEPARTMENT OF PUBLIC WORKS

SANITARY SEWER REHABILITATION
 60 TAMALPIAS RD
 PLAN AND PROFILE

PLAN 8265
 FILE 502-713
 SHEET 55 OF 58

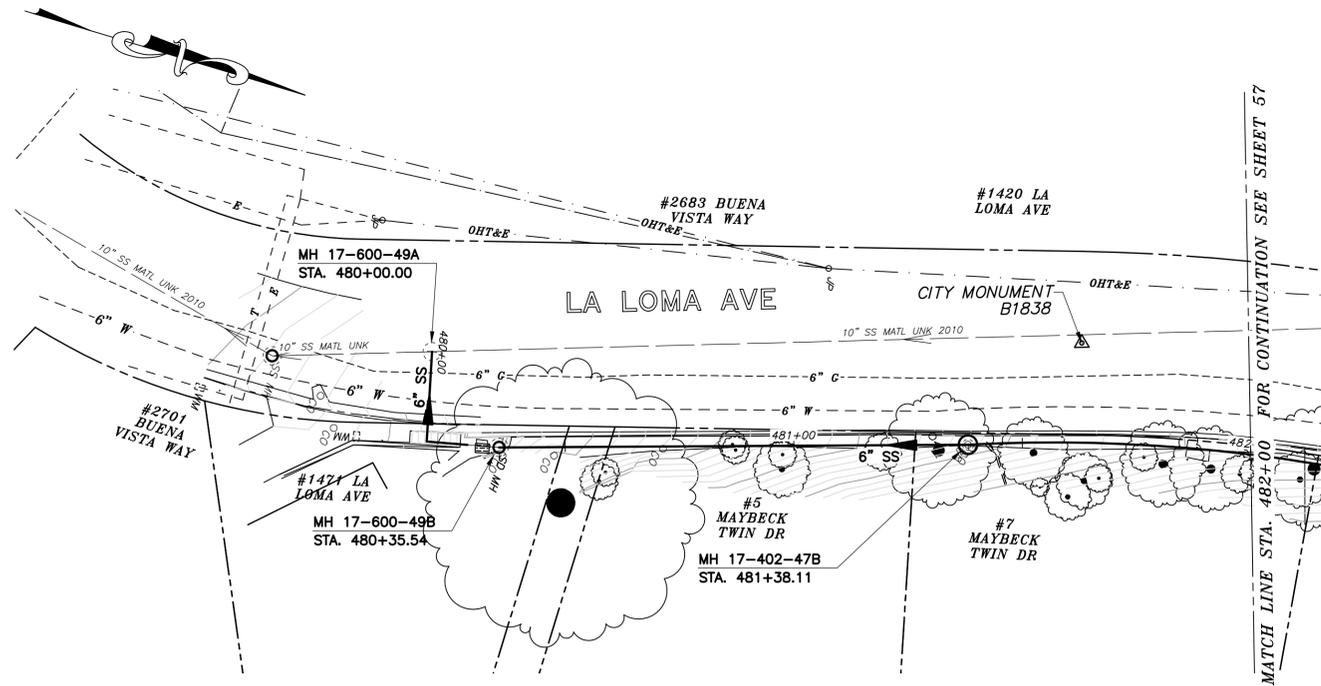
APPROVAL
 DESCRIPTION
 DATE
 MARK
 REVISION

N:\Clients\677 City of Berkeley\30-22-07 Parnassus Swr Rehab\CAD\Production\59-60 - 67730-2207 - LA LOMA AVE.dwg [LA LOMA AVE - 1] 10-31-22 04:14:04 PM sgreenwood



PROFILE

- NOTES:**
- A. FOR METHOD "B" CONSTRUCTION, CONTRACTOR TO VERIFY 5-FOOT MINIMUM RADIAL CLEARANCE WITH CRITICAL UTILITIES INCLUDING WATER AND GAS MAINS. VERIFY 5-FOOT MINIMUM HORIZONTAL CLEARANCE WITH BUILDINGS AND FOUNDATIONS. ONLY HAND EXCAVATION IS PERMITTED TO REINSTATE LATERALS ON PRIVATE PROPERTY.
 - B. SEWER MAIN IS LOCATED WITHIN EXISTING CONCRETE STAIRCASE CRAWLSPACE. REMOVE AND REPLACE EXISTING 6" SEWER MAIN FROM UPSTREAM WALL PENETRATION TO MH 17-600-49A. EXISTING SEWER HAS MULTIPLE VERTICAL BENDS. SUBMIT 316 STAINLESS PIPE HANGARS AND ANCHORS FOR REVIEW AND APPROVAL. PROVIDE HANGARS AT 2-FOOT MAX INTERVALS. REMOVE CONCRETE AT GROUND PENETRATION TO CONSTRUCT. REPLACE ALL CONCRETE IN KIND IF DAMAGED DURING CONSTRUCTION. PIPE BEDDING BENEATH CONCRETE STAIRCASE SHALL BE CLSM PER SPECIFICATIONS.



PLAN

- NOTES:**
1. FOR GENERAL NOTES SEE SHEET 2 OF THE PLANS.
 2. LOCATE, RECONSTRUCT, EXTEND, AND CONNECT ACTIVE LATERALS TO NEW SEWER MAIN. REMOVE EXISTING CLEANOUTS AND PROVIDE TWO-WAY CLEANOUTS WITH RISER, FRAME, CONCRETE COLLAR AND COVER.
 3. LOWER LATERALS SHALL BE HDPE SDR-17.
 4. RECONSTRUCT CITY MONUMENTS DISTURBED BY SEWER INSTALLATION. REFER TO STANDARD DETAIL PLAN NOS. 8090, 8091 AND 8179 OF THE SPECIFICATIONS, AS APPLICABLE.
 5. IN ACCORDANCE WITH SPECIAL CONDITION NO. 13 IN THE SPECIAL PROVISIONS, PRIOR TO PIPE-BURSTING, 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. 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.
 6. WORK SHOWN ON THIS SHEET IS LOCATED IN CITY OF BERKELEY FIRE ZONE 2 AND IS SUBJECT TO ALL WORK REQUIREMENTS AND RESTRICTIONS.
 7. CONTRACTOR SHALL BE CAUTIOUS DURING THE INSTALLATION OF MH 17-08-59. CONTRACTOR SHALL MAKE EVERY EFFORT TO PREVENT DAMAGE TO THE ADJACENT TREE. ONLY HAND DIGGING WILL BE ALLOWED. THE ENGINEER SHALL APPROVE THE FINAL LOCATION OF THE NEW MAINTENANCE HOLE.

SANITARY SEWER LAYOUT - LA LOMA

STATION	NORTHING	EASTING	BEARING OR Δ	DISTANCE	DESCRIPTION
480+00.00	2148422.54'±	6054305.65'±	UNK	35.54'±	MH 17-600-49A
480+35.54	2148442.97'	6054320.96'	UNK	UNK	MH 17-402-49B
481+38.11	2148540.27'	6054288.48'	N18°27'30"E	61.89'	MH 17-402-47B
482+00.00	2148599.64'	6054271.29'	N/A	N/A	MATCHLINE

FOR CITY USE ONLY
REFERENCE SEWER MAP NO.
335 (50)

PROJECT MANAGER: _____ DATE _____	DEPICTION OF MONUMENTS: _____ DATE _____	SUBMITTED: _____ DATE _____	DESIGN: SMG	HORIZ. 1"=20'
	SURVEY CHIEF OF PARTY: _____ DATE _____	SUPERVISING CIVIL ENGINEER: _____ DATE _____	DRAWN: MC	VERT. 1"=5'
	WATERSHED REVIEW: _____ DATE _____	APPROVED: _____ DATE _____	CHECK: ALB	BOOK: _____
		CITY ENGINEER: _____ DATE _____	AS BUILT: _____	DATE: 10/31/22



CITY OF BERKELEY
DEPARTMENT OF PUBLIC WORKS

SANITARY SEWER REHABILITATION
LA LOMA AVE - 1
PLAN AND PROFILE

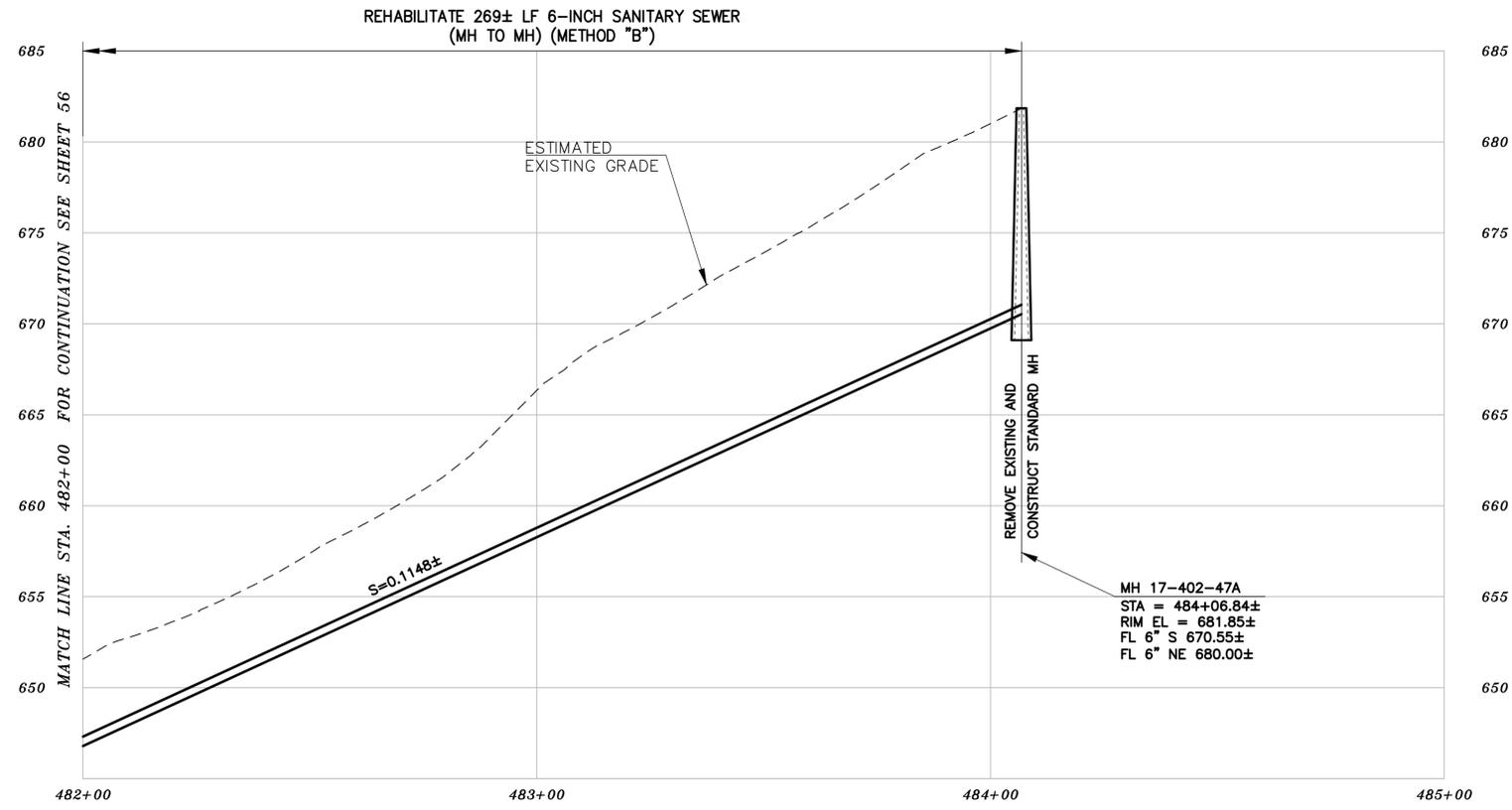


11/1/2022

PLAN 8265
FILE 502-713
SHEET 56 OF 58

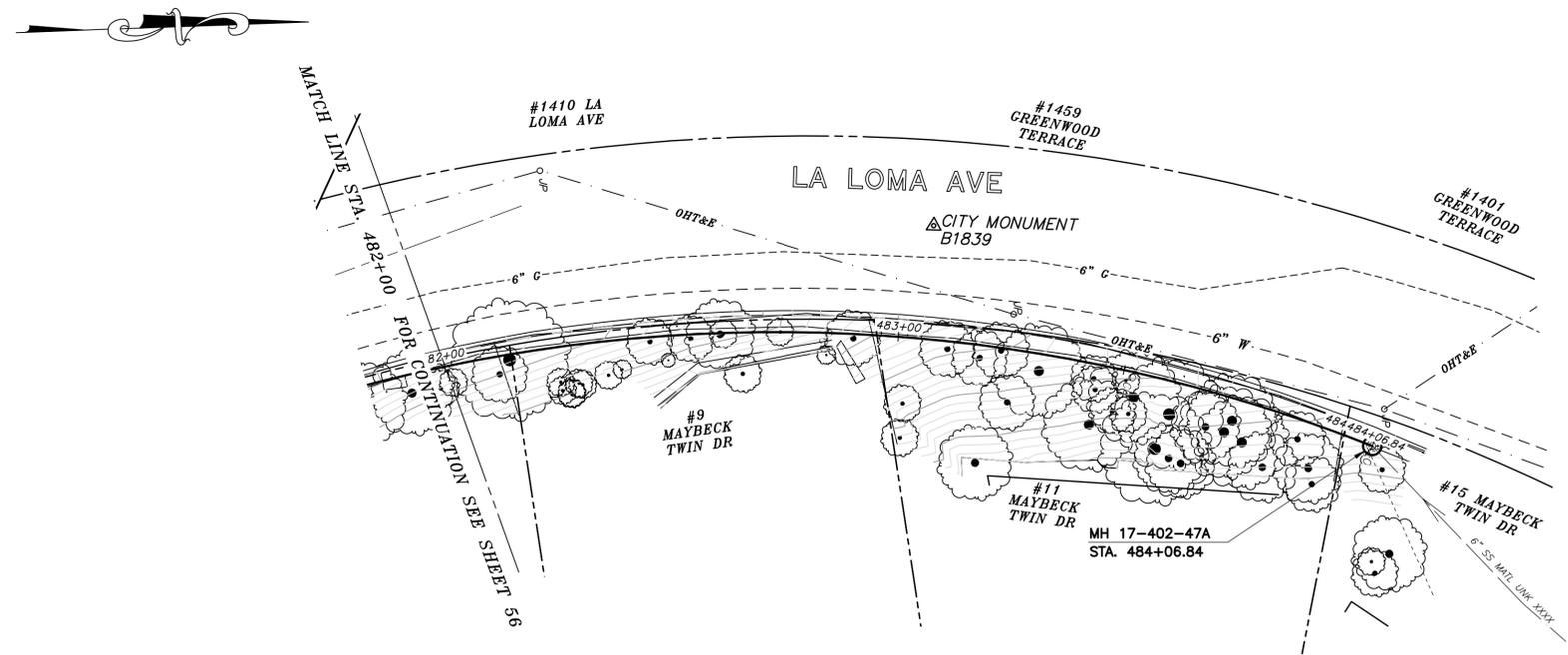
APPROVAL DESCRIPTION MARK DATE REVISION

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PROFILE

- NOTES:**
- A. FOR METHOD "B" CONSTRUCTION, CONTRACTOR TO VERIFY 5-FOOT MINIMUM RADIAL CLEARANCE WITH CRITICAL UTILITIES INCLUDING WATER AND GAS MAINS. VERIFY 5-FOOT MINIMUM HORIZONTAL CLEARANCE WITH BUILDINGS AND FOUNDATIONS. ONLY HAND EXCAVATION IS PERMITTED TO REINSTATE LATERALS ON PRIVATE PROPERTY.



PLAN

- NOTES:**
- FOR GENERAL NOTES SEE SHEET 2 OF THE PLANS.
 - LOCATE, RECONSTRUCT, EXTEND, AND CONNECT ACTIVE LATERALS TO NEW SEWER MAIN. REMOVE EXISTING CLEANOUTS AND PROVIDE TWO-WAY CLEANOUTS WITH RISER, FRAME, CONCRETE COLLAR AND COVER.
 - LOWER LATERALS SHALL BE HDPE SDR-17.
 - RECONSTRUCT CITY MONUMENTS DISTURBED BY SEWER INSTALLATION. REFER TO STANDARD DETAIL PLAN NOS. 8090, 8091 AND 8179 OF THE SPECIFICATIONS, AS APPLICABLE.
 - IN ACCORDANCE WITH SPECIAL CONDITION NO. 13 IN THE SPECIAL PROVISIONS, PRIOR TO PIPE-BURSTING, 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. 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.
 - WORK SHOWN ON THIS SHEET IS LOCATED IN CITY OF BERKELEY FIRE ZONE 2 AND IS SUBJECT TO ALL WORK REQUIREMENTS AND RESTRICTIONS.

SANITARY SEWER LAYOUT - LA LOMA

STATION	NORTHING	EASTING	BEARING OR Δ	DISTANCE	DESCRIPTION
482+00.00	2148599.64'	6054271.29'	UNK	206.84'	MATCHLINE
484+06.84	2148802.61'	6054291.03'	N/A	N/A	MH 17-402-47A

FOR CITY USE ONLY
REFERENCE SEWER MAP NO.
335 (50)

PROJECT MANAGER: _____ DATE _____	DEPICTION OF MONUMENTS: _____ DATE _____	SUBMITTED: _____ DATE _____	DESIGN: SMG	HORIZ. 1"=20'
SURVEY CHIEF OF PARTY: _____	WATERSHED REVIEW: _____ DATE _____	SUPERVISING CIVIL ENGINEER: _____	DRAWN: MC	VERT. 1"=5'
0 1 2 3 FOR REDUCED PLANS - ORIGINAL SCALE IS IN INCHES	APPROVED: _____ DATE _____	CITY ENGINEER: _____	CHECK: ALB	BOOK: _____
			AS BUILT: _____	DATE: 10/31/22



CITY OF BERKELEY
DEPARTMENT OF PUBLIC WORKS

SANITARY SEWER REHABILITATION
LA LOMA AVE - 2
PLAN AND PROFILE

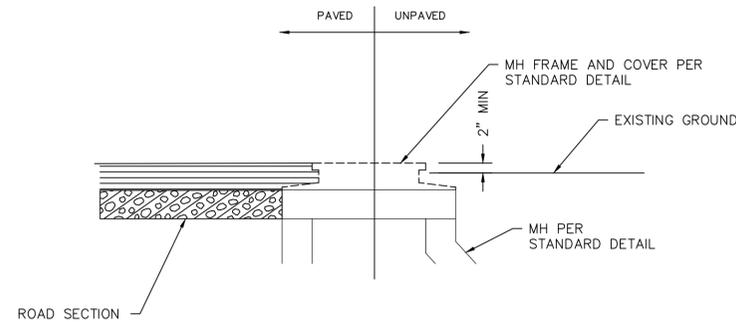


11/1/2022

PLAN 8265
FILE 502-713
SHEET 57 OF 58

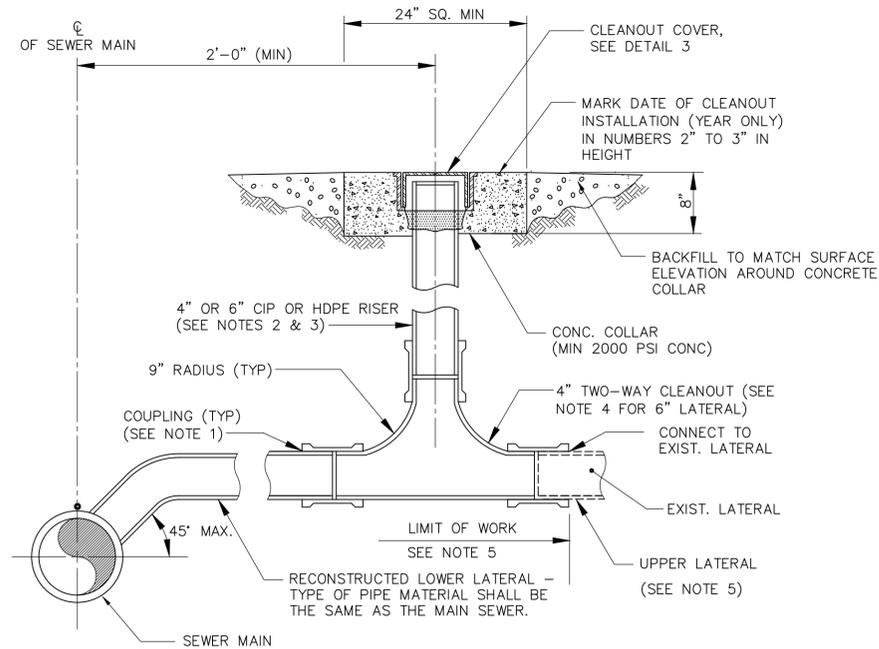
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DATE
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REVISION

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MAINTENANCE HOLE (STANDARD AND PLASTIC) FRAME AND COVER PLACEMENT

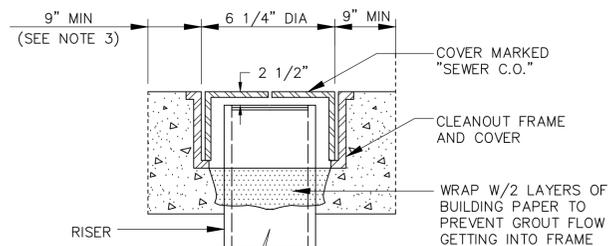
DETAIL **4** VAR



- NOTES:**
1. COUPLINGS SHALL BE TYPE 'D' JOINTS W/316 OR 304-STAINLESS STEEL BANDS.
 2. RISER SHALL BE VERTICAL.
 3. RISER SHALL BE CAST IRON IN DRIVEWAY.
 4. FOR 6" LATERAL INSTALL 45° WYE (DOWNSTREAM DIRECTION).
 5. SEWER MAIN IN THE BACKLINE SEWER AREA, INSTALL NEW TWO WAY CLEANOUT WITHIN EASEMENT, TYPICALLY 3 FT FROM THE SEWER MAIN. ADJUST THE CLEANOUT LOCATION AS NEEDED TO FIT THE SITE CONDITION.
 6. CLEANOUT SHALL NOT BE LOCATED IN AN AREA SUBJECT TO FLOODING.

SEWER MAIN IN STREET AREA LATERAL RECONSTRUCTION

DETAIL **2** VAR NOT TO SCALE

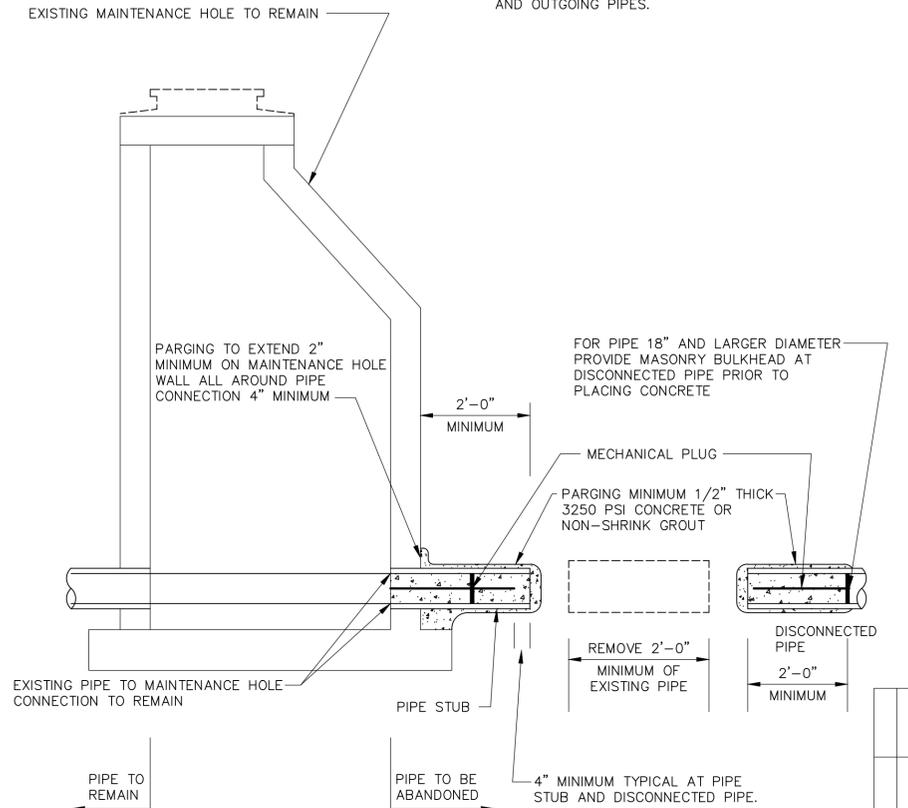


- NOTES:**
1. LOCATION AS SHOWN ON DETAIL **2** VAR OR AS SPECIFIED.
 2. WHEN RISER IS NOT SURROUNDED BY SIDEWALK, A 2'X2'X8", 2000 PSI CONCRETE COLLAR SHALL BE INSTALLED.
 3. EXIST SIDEWALK SHALL BE NEATLY SAWN TO A STRAIGHT AND SQUARE EDGE BEFORE 2000 PSI CONCRETE PATCH IS INSTALLED AROUND FRAME.

CLEANOUT COVER (4" DIA.)

DETAIL **3** VAR NOT TO SCALE

- NOTES:**
1. SEE SPECIFICATIONS FOR ADDITIONAL STANDARD DETAILS.



ABANDONMENT OF PIPE AT SANITARY SEWER MAINTENANCE HOLE

DETAIL **1** VAR NOT TO SCALE

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



11/1/2022

PROJECT MANAGER:	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 CIVIL ENGINEER	R.C.E. N/A EXP. N/A
APPROVED:	DATE
CITY ENGINEER	R.C.E. N/A EXP. N/A

DESIGN	SMG
DRAWN	MC
CHECK	ALB
AS BUILT	
HORIZ.	1"=20'
VERT.	1"=5'
BOOK	
DATE	10/31/22



CITY OF BERKELEY
DEPARTMENT OF PUBLIC WORKS

SANITARY SEWER REHABILITATION
MISCELLANEOUS DETAILS
1

PLAN	8265
FILE	502-713
SHEET	58 OF 58

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