

SAN MATEO COUNTY

ADELINE DRIVE AND CANYON ROAD CAPACITY IMPROVEMENT PROJECT

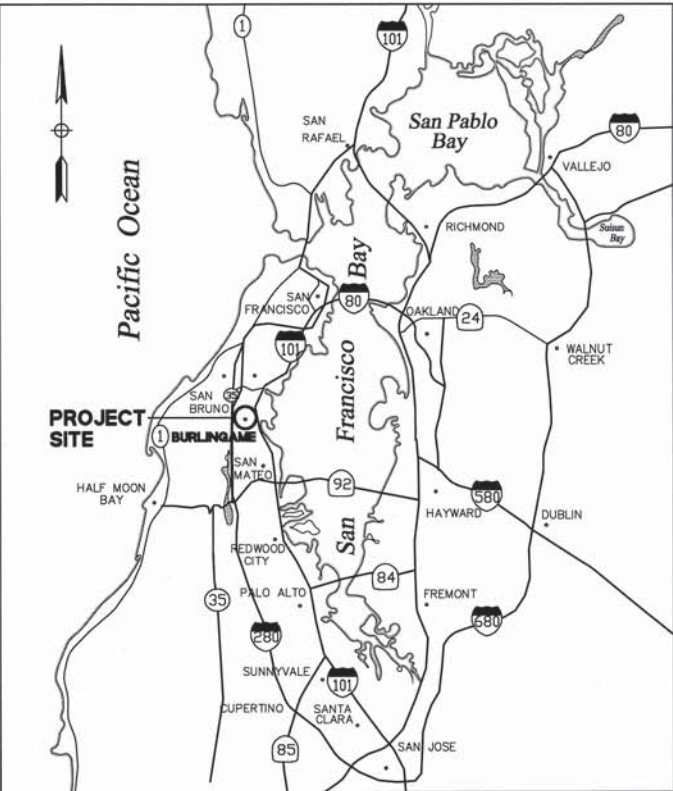
BURLINGAME HILLS SEWER MAINTENANCE DISTRICT

TOTAL PROJECT LENGTH APPROXIMATELY 0.91 MILE

TO BE SUPPLEMENTED BY STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD PLANS
DATED MAY 2006 AND ADOPTED BY SAN MATEO COUNTY, NOVEMBER 14, 2006, BY RESOLUTION NO. 068389



APPROVED: *[Signature]*
DATE: 10/21/15
JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS
R. C. E. # 48056 EXPIRES 12-31-2015



VICINITY MAP
NO SCALE



LOCATION MAP
NO SCALE

ABBREVIATIONS:

AC	ASPHALT CONCRETE	FL	FLOW LINE	RT	RIGHT
ACP	ASBESTOS CEMENT PIPE	G	GAS	S	SLOPE
BHSM	BURLINGAME HILLS SEWER MAINTENANCE DISTRICT	GV	GAS VALVE	SD	STORM DRAIN
CB	CATCH BASIN	GM	GAS METER	SDMH	STORM DRAIN MANHOLE
CC	CENTER-TO-CENTER	GND	GROUND	SMC	SAN MATEO COUNTY
CI	CAST IRON	HDPE	HIGH DENSITY POLYETHYLENE	SS	SANITARY SEWER
CLF	CHAIN LINK FENCE	HORIZ	HORIZONTAL	SSCO	SANITARY SEWER CLEAN OUT
CMP	CORRUGATED METAL PIPE	INV	INVERT	SSLH	SANITARY SEWER LAMPHOLE
CONC	CONCRETE	IRR	IRRIGATION	SSMH	SANITARY SEWER MANHOLE
DI	DRAIN INLET	JP	JOINT POLE	STA	STATION
DIA	DIAMETER	LAT	LATERAL	SW	SIDEWALK
DIP	DUCTILE IRON PIPE	LF	LINEAR FEET	T	THICKNESS
(E), EX	EXISTING	LG	LIP OF GUTTER	TC	TOP OF CURB
E&T	ELECTRICAL AND TELECOM	LT	LEFT	TYP	TYPICAL
E BOX	ELECTRICAL BOX	MH	MANHOLE	U.G.	UNDERGROUND
ELEC	ELECTRIC	(N)	NEW	VCP	VITRIFIED CLAY PIPE
EL, ELEV	ELEVATION	NTS	NOT TO SCALE	VERT	VERTICAL
EP	EDGE OF PAVEMENT	OHE	OVERHEAD ELECTRICAL	V.I.F.	VERIFY IN FIELD
EV	ELECTRIC VAULT	PR	PROPOSED	W	WATER
FC	FACE OF CURB	PVC	POLYVINYL CHLORIDE	WM	WATER METER
FG	FINISH GRADE	RCP	REINFORCED CONCRETE PIPE	WV	WATER VALVE
FH	FIRE HYDRANT				

LEGEND:

SS	(N) SANITARY SEWER LINE	— OH —	(E) OVERHEAD LINE
— SS —	(E) SANITARY SEWER LINE	— W —	(E) WATER MAIN
LATERAL	(N) SANITARY SEWER LATERAL	— GAS —	(E) GAS LINE
LATERAL	(E) SANITARY SEWER LATERAL	—	EDGE OF GRAVEL ROAD OR PAVEMENT
●	(N) SS MANHOLE	—	RIGHT OF WAY OR PROPERTY LINE
●	(E) SS MANHOLE	—	EASEMENT
●	(E) SS CLEANOUT OR FLUSHING INLET	SHRUB	
SD	(E) STORM DRAIN	TREE	
—	ROADWAY CENTERLINE	FENCE	
— E —	(E) ELECTRICAL	[]	(E) ELECTRICAL STRUCTURE
— T —	(E) TELECOM		

SHEET INDEX:

1.00	TITLE SHEET
1.01	GENERAL NOTES
1.02	SHEET INDEX
2.00	ADELINE DRIVE PLAN AND PROFILE
2.01	ADELINE DRIVE PLAN AND PROFILE
2.02	ADELINE DRIVE PLAN AND PROFILE
3.00	CANYON ROAD PLAN AND PROFILE
3.01	CANYON ROAD PLAN AND PROFILE
3.02	CANYON ROAD PLAN AND PROFILE
3.03	CANYON ROAD PLAN AND PROFILE
3.04	CANYON ROAD PLAN AND PROFILE
4.00	DETAILS
4.01	DETAILS

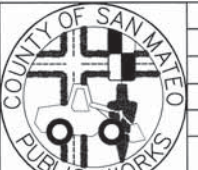
FIELD BOOKS:

741-2 BURLINGAME HILLS
SEWER MAINT. DIST.

BENCH MARK LOCATION and ELEVATION (NGVD DATUM):

CROSS ON TOP OF THE MOST WESTLY CORNER
OF CONCRETE BRIDGE RAIL - 0.5' FROM NORTHERLY
CURB RETURN AT EL PRADO ROAD & CANYON ROAD,
OPPOSITE FEY DRIVE. ELEVATION = 301.58
(BENCH LEVELS: SEPT. 1968)

APPROVED DATE: 3-30-2015
YOUSEF MORADZADEH, PROJECT MANAGER
BKF ENGINEERS
R.C.E. # 42632 / EXPIRES 3-31-2016



DESIGNED BY: CT	BURLINGAME HILLS SEWER MAINTENANCE DISTRICT	SCALE: AS SHOWN
CHECKED BY: YM	ADELINE DRIVE AND CANYON ROAD CAPACITY IMPROVEMENT PROJECT	DATE: 7/16/15
DRAWN BY: CT	FILE NO.: 1/4906	
JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS SAN MATEO COUNTY		555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063
REVISION	DATE	
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES		1.00 SHEET 1 OF 13

GENERAL NOTES

1. THE FOLLOWING NOTES ARE ESTABLISHED MERELY TO GUIDE THE CONTRACTOR AS TO THE GENERAL ITEMS OF WORK INVOLVED AND ARE NOT INTENDED TO COVER COMPLETE SCOPE OF WORK. CONTRACTOR SHALL COMPLETE ALL WORK AS PER CONTRACT DOCUMENTS.
2. CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR PERSONS AND PROPERTY; THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE DESIGN PROFESSIONAL.
3. EXISTING TOPOGRAPHY FOR ADELINE DRIVE IS BASED ON FIELD TOPOGRAPHIC SURVEYS PERFORMED BY BKF ENGINEERS DATED DECEMBER 2012, IN ADDITION TO FIELD VERIFICATION OF SURVEY FOR CANYON ROAD PROVIDED BY COUNTY FROM DECEMBER 2003.
4. THE REPLACEMENT SEWER MAIN SHALL BE CONSTRUCTED AT THE SAME ALIGNMENT AND GRADE OF THE EXISTING SEWER MAIN BY PIPE BURSTING OR OPEN TRENCH METHODS EXCEPT WHERE SHOWN ON PLANS.
5. CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT (USA) 1-800-227-2600 OR 1-800-642-2444 AT LEAST TWO (2) WORKING DAYS IN ADVANCE OF STARTING EXCAVATION TO PROVIDE FOR MARKING OF UTILITIES.
6. THE LOCATIONS AND TYPES OF EXISTING UTILITIES SHOWN ON THE PLANS ARE BASED ON INFORMATION FURNISHED BY SERVICING AGENCIES AND FIELD SURVEY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE POSITION OF AND PROVIDE PROTECTION FOR SUCH UTILITIES AND STRUCTURES, WHETHER SHOWN ON THE PLAN OR NOT.
7. ALL MATERIALS, WORK, AND APPURTENANCES SHALL CONFORM WITH THESE PLANS, THE PROJECT SPECIFICATIONS AND THE LATEST ADOPTED VERSION OF SAN MATEO COUNTY STANDARDS DETAILS.
8. THE CONTRACTOR SHALL AT ALL TIMES COMPLY WITH THE RULES AND REGULATIONS ESTABLISHED BY CAL-OSHA AND OTHER AGENCIES HAVING JURISDICTION OVER THE WORK.
9. THE CONTRACTOR SHALL PROVIDE UNINTERRUPTED SANITARY SEWER SERVICE THROUGHOUT THE LENGTH OF THE PROJECT.
10. LOCATIONS AND QUANTITY OF SANITARY SEWER LATERALS ARE APPROXIMATE ONLY. CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE UTILITIES TO DETERMINE EXACT LOCATIONS AND DEPTH.
11. THE CONTRACTOR SHALL IDENTIFY WHICH LATERAL CONNECTIONS ARE ACTIVE AND WHICH ARE INACTIVE. THE CONTRACTOR IS RESPONSIBLE FOR SCHEDULING ACCESS TO THE OWNER'S PROPERTY FOR VERIFICATION OF ACTIVE LATERALS. REINSTATE ACTIVE LATERALS ONLY, PLUG INACTIVE LATERALS WITH CONCRETE AT THE EDGE OF THE TRENCH.
12. PRIOR TO EXCAVATION, PIPE BURSTING OR OTHER METHODS OF PIPELINE CONSTRUCTION, THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS SHOWN, INCLUDING THE LENGTH OF MANHOLE TO MANHOLE REACHES AND DISTANCES TO SEWER LATERALS.
13. LOCATIONS AND LENGTHS OF EXISTING SAGS ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND REPAIRING ALL THE SAGS IN THE SEWER MAINS.
14. EXISTING FLOWS MUST BE MAINTAINED BY CONTRACTOR AT ALL TIMES DURING CONSTRUCTION. CONTRACTOR SHALL NOTIFY RESIDENTS AND/OR BUSINESSES OF ANY INTERRUPTIONS OF SEWER SERVICES PRIOR TO ANY WORK ON EXISTING SEWER PIPES. SEWAGE FLOWS SHALL BE MAINTAINED BY PUMPING OR TEMPORARY CROSS CONNECTION FROM EXISTING MAIN TO NEW MAIN.
15. CONTRACTOR SHALL PROVIDE PUMPS OR OTHER MEANS TO PREVENT SEWER WASTES BACKUP INTO RESIDENTIAL HOUSES AND DUE TO HIS/HER WORK ON THE EXISTING SEWERS. CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANUP AND DAMAGES CAUSED BY HIS/HER NEGLIGENCE.
16. CONTRACTOR IS ADVISED THAT EXISTING UTILITY LINES IN SOME LOCATIONS MAY BE VERY CLOSE TO THE SANITARY SEWER MAIN. CONTRACTOR IS TO SUPPORT THESE UTILITIES DURING CONSTRUCTION AND ANY REQUIRED OR SPECIAL CONSTRUCTION TECHNIQUES PERFORMED BY CONTRACTOR SHALL BE AT NO EXTRA COST TO THE COUNTY. COMPENSATION FOR THIS WORK SHALL BE INCLUDED IN THE UNIT PRICES PAID FOR THE VARIOUS CONTRACT ITEMS OF WORK, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED THEREFORE.

17. ALL SEWER MAINS REPLACED SHALL BE AIR TESTED PRIOR TO THE CONNECTION OF LATERALS. THESE LINES SHALL BE VIDEO TAPED AFTER COMPLETION OF CONSTRUCTION AND CLEANING OF THE LINES. VIDEO IN DVD FORMAT SHALL BE MADE OF THE INSPECTION AND DELIVERED ALONG WITH A TYPED LOG OF THE INSPECTION TO THE ENGINEER FOR REVIEW AND ACCEPTANCE. SUBMITTED VIDEO SHALL INCLUDE A CONTINUOUS ON-SCREEN DISPLAY WHICH CONTAINS, AT A MINIMUM, THE DATE OF THE FILMING, IDENTIFICATION OF THE LINE AND SEGMENT (REACH) OF THE LINE BEING VIEWED AND A READOUT, IN FEET, SHOWING THE DISTANCE FROM THE ENTRY POINT. IF, IN THE OPINION OF THE ENGINEER, THE SUBMITTED VIDEO IS OF POOR QUALITY, THE ENGINEER MAY REJECT THE VIDEO AND REQUIRE THE VIDEO INSPECTION TO BE REPEATED AND NEW VIDEO SUBMITTED TO THE COUNTY FOR REVIEW AND ACCEPTANCE. ALL VIDEO SHALL BECOME THE PROPERTY OF THE COUNTY.
18. CONTRACTOR SHALL CONFINE HIS OPERATIONS AND ACTIVITIES WITHIN THE PROJECT LIMITS, CONSISTING OF ROAD RIGHT-OF-WAY, UTILITY EASEMENTS, AND/OR PROJECT CONFORMS, AS SHOWN ON THE PLANS.
19. CONTINUOUS DUST CONTROL SHALL BE PROVIDED AS REQUIRED BY SECTION 10 "DUST CONTROL," OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER.
20. VEGETATION AND IMPROVEMENTS SHALL BE REMOVED ONLY WHEN DIRECTED IN WRITING BY THE ENGINEER. NO TREES, VEGETATION OR IMPROVEMENTS (INCLUDING FENCES) SHALL BE REMOVED WITHOUT PRIOR WRITTEN CONSENT AND APPROVAL OF THE ENGINEER.
21. CONTRACTOR SHALL EXERCISE CARE WHEN EXCAVATING NEAR TREES AND ROOTS OF TREES TO REMAIN. PERFORM HAND EXCAVATION ADJACENT TO EXISTING TREES AS REQUIRED.
22. ALL EXISTING IMPROVEMENTS, INCLUDING BUT NOT LIMITED TO LANDSCAPING, FENCES, DRIVEWAYS, CURB, GUTTER, SIDEWALK, CULVERTS, DRAINS, AND MONUMENTS, SHALL BE RESTORED TO THE CONDITION IN WHICH THEY WERE, OR BETTER, BEFORE THE EXCAVATION WAS MADE. SEPARATE PAYMENT FOR RESTORATION OF EXISTING IMPROVEMENTS TO THEIR ORIGINAL CONDITION WILL NOT BE MADE. COMPENSATION FOR THIS TASK SHALL BE CONSIDERED AS INCLUDED IN THE VARIOUS CONTRACT ITEMS OF WORK INVOLVED. NOT ALL EXISTING IMPROVEMENTS ARE SHOWN. CONTRACTOR SHALL INSPECT THE SITE IN ORDER TO SATISFY THEMSELVES OF THE ACTUAL CONDITIONS OF THE WORK.
23. THE CONTRACTOR SHALL CONTACT THE DISTRICT AT 363-4100 TWO (2) WORKING DAYS IN ADVANCE OF BEGINNING ANY SANITARY SEWER WORK. THE CONTRACTOR SHALL THEREAFTER KEEP THE INSPECTOR FOR THE DISTRICT INFORMED OF HIS SCHEDULE FOR SANITARY SEWER WORK.
24. ALL SANITARY SEWER WORK CONSTRUCTED WITHOUT INSPECTION BY THE DISTRICT SHALL BE REMOVED AND RECONSTRUCTED WITH INSPECTION.
25. PRIOR TO COMMENCING ANY SANITARY SEWER WORK IN OFF-SITE EASEMENTS THE CONTRACTOR SHALL PROVIDE THE DISTRICT WITH ADEQUATE EVIDENCE THAT ALL AFFECTED PROPERTY OWNERS (AND TENANTS WHERE APPLICABLE) WERE NOTIFIED WELL IN ADVANCE OF THE DATE WORK IN THESE EASEMENTS WAS TO BEGIN AND THAT THEY HAVE UPDATED THAT NOTICE IN A TIMELY MANNER WHEN THOSE DATES HAVE CHANGED.
26. THESE PLANS DO NOT DEPICT SERVICE CONNECTIONS FOR EXISTING WATER AND EXISTING GAS. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION AND PRESERVATION OF ALL SUCH FACILITIES AS THEY MAY CONFLICT WITH THE PROPOSED SEWER LINES. ANY DAMAGE TO EXISTING FACILITIES CAUSED BY THE CONTRACTOR SHALL BE REPAIRED BY AND/OR AT THE CONTRACTOR'S EXPENSE.
27. EXISTING LIVE LATERAL RECONNECTIONS SHALL BE FIVE (5) FEET MEASURED FROM THE CENTERLINE OF SEWER MAIN AND, WHEN APPLICABLE, FIVE (5) FEET FROM THE MANHOLE WALL. LATERAL RECONNECTION SHALL INCLUDE ANGLED FITTINGS, TAPPING PRODUCT, TRANSITION COUPLING, NEW LATERAL PIPE, CONNECTIONS TO MAINLINE PIPE, CONNECTIONS TO EXISTING LATERAL PIPE AND O-RING CONNECTIONS TO MANHOLE.
28. THE CONTRACTOR SHALL FURNISH AND IMPLEMENT A WATER POLLUTION CONTROL PROGRAM FOR ALL PHASES OF WORK IN ACCORDANCE WITH SECTION 11-1, "WATER POLLUTION CONTROL," OF THE SPECIAL PROVISIONS.
29. THE CONTRACTOR SHALL FURNISH AND IMPLEMENT A TRAFFIC CONTROL PLAN FOR ALL PHASES OF WORK IN ACCORDANCE WITH SECTION 12, "MAINTAINING TRAFFIC," OF THE SPECIAL PROVISIONS.
30. THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE GEOTECHNICAL REPORT, "GEOTECHNICAL ENGINEERING INVESTIGATION SEWER LINE REPLACEMENT PROJECT CANYON ROAD AND ADELINE DRIVE" PREPARED BY BAGG ENGINEERS DATED JANUARY 2013. SPECIFIC ATTENTION SHOULD BE PAID TO THE THICKNESSES OF EXISTING AND PROPOSED ASPHALT CONCRETE AND CONCRETE PAVING AT VARIOUS LOCATIONS OF THIS PROJECT.



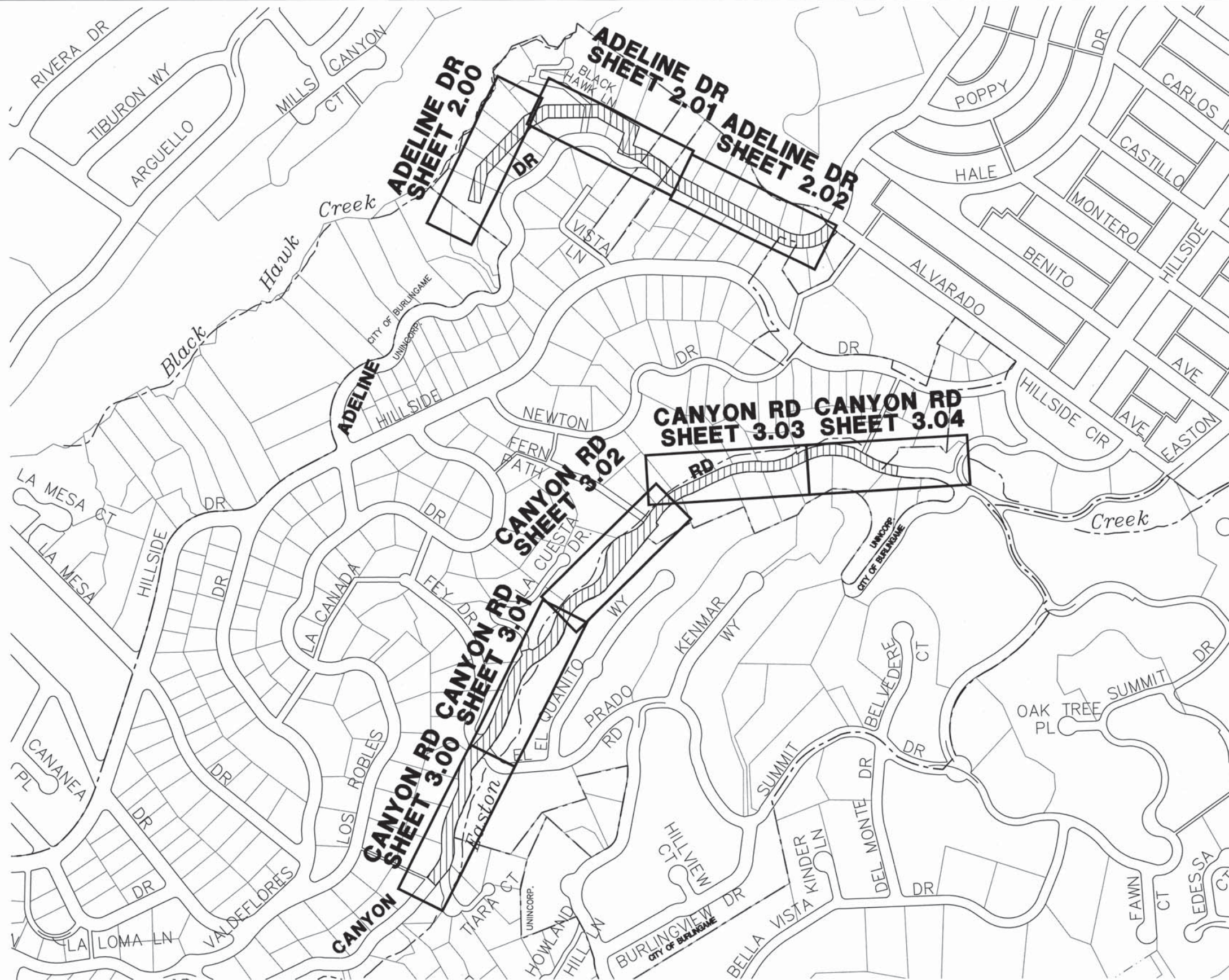
APPROVED: *[Signature]*
DATE: 10/21/15
JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS
R. C. E. # 48056 / EXPIRES 12-31-2015

PROJECT DATA

WATER SUPPLY:	BURLINGAME WATER & CITY OF BURLINGAME	650-558-7670
STORM DRAIN:	CITY OF BURLINGAME	650-558-7670
SANITARY SEWER:	SAN MATEO COUNTY PUBLIC WORKS	650-363-4100
GAS & ELECTRIC:	PG&E	650-598-7429
TELEPHONE:	AT&T	650-872-6062

APPROVED DATE: 10-30-15	
YOUSEF MORADZADEH, PROJECT MANAGER	
BKF ENGINEERS	
R.C.E. # 42632 / EXPIRES 3-31-2016	

	DESIGNED BY: CT	BURLINGAME HILLS SEWER MAINTENANCE DISTRICT	SCALE: NO SCALE
	CHECKED BY: YM	ADELINE DRIVE AND CANYON ROAD CAPACITY IMPROVEMENT PROJECT	DATE: 7/16/15
	DRAWN BY: CT	GENERAL NOTES	
REVISION	DATE	JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS SAN MATEO COUNTY	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES			1.01 SHEET 2 OF 13





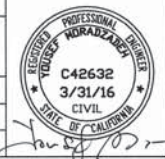
KEY MAP




APPROVED: 10/21/15
DATE: 10/21/15
JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS
R. C. E. # 48056 / EXPIRES 12-31-2015



 LIMITS OF WORK
 COUNTY LIMITS

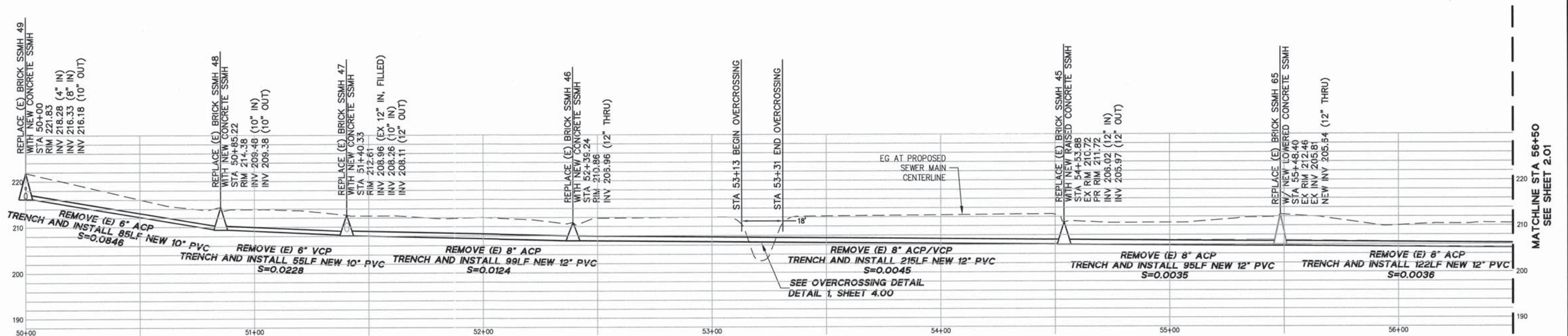
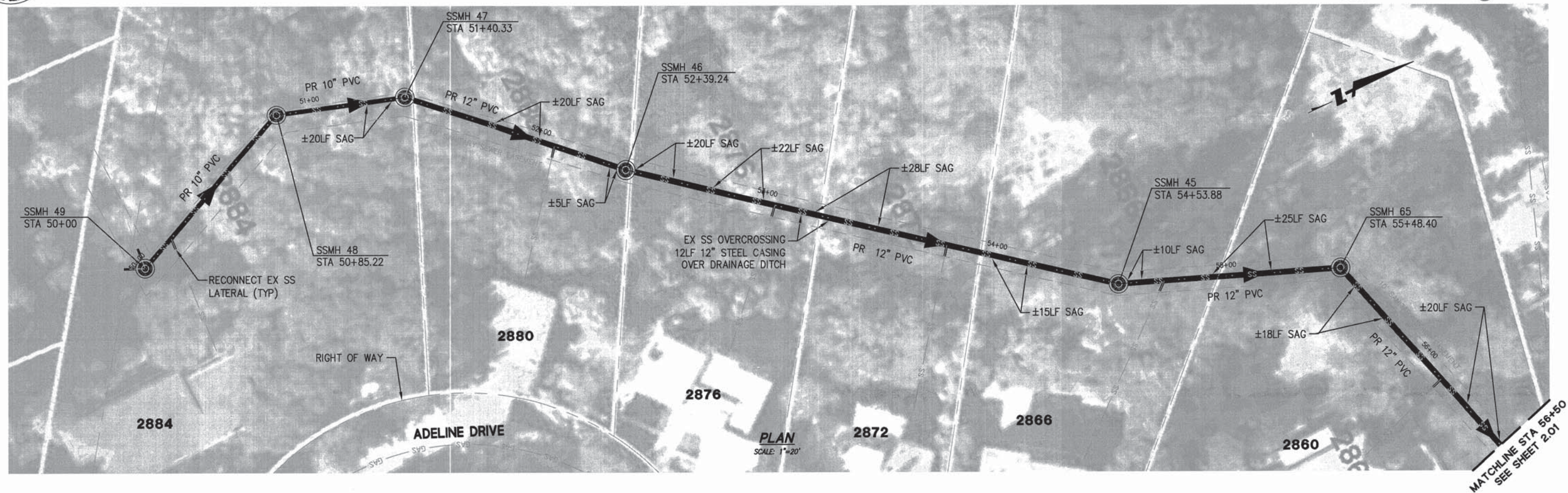
APPROVED DATE: <u>Set 30-2015</u>	
YOUSEF MORADZADEH, PROJECT MANAGER	
BKF ENGINEERS	
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DATE: 10/21/15
DRAWN BY: CT
CHECKED BY: YM
DESIGNED BY: CT



APPROVED: 10/21/15
DATE: 10/21/15
JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS
R. C. E. # 48056 / EXPIRES 12-31-2015



SEWER PROFILE

HOR. 1"=20'
VER. 1"=10'

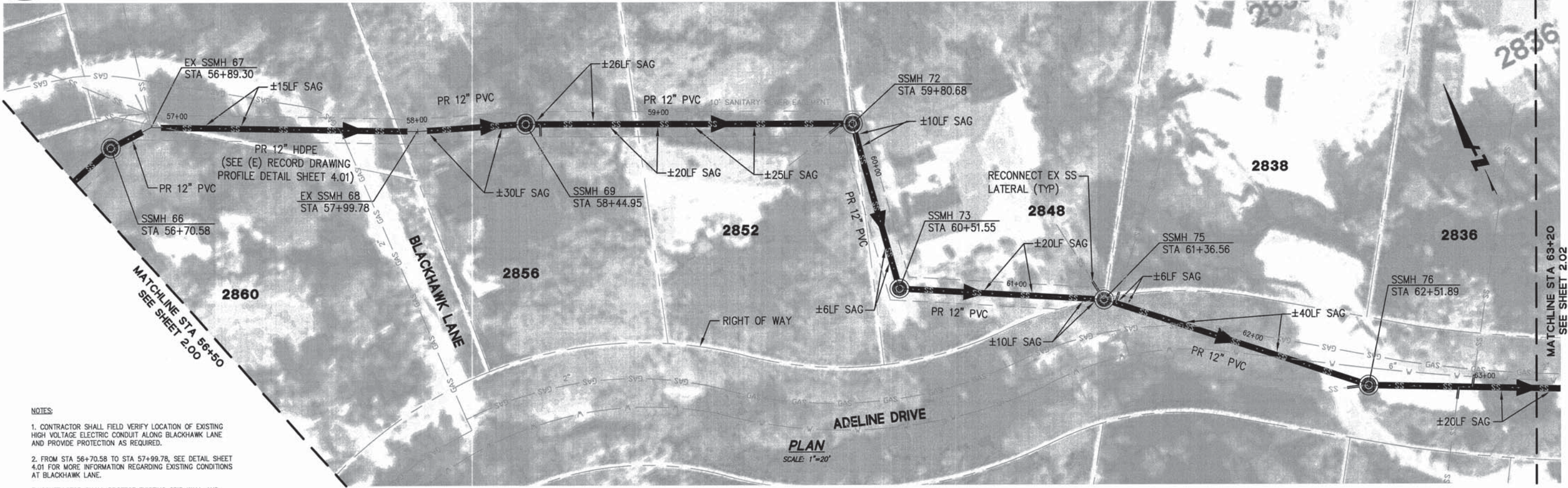
APPROVED DATE: Sept 30-15	
YOUSEF MORADZADEH, PROJECT MANAGER	
BKF ENGINEERS	
R.C.E. # 42632 / EXPIRES 3-31-2016	



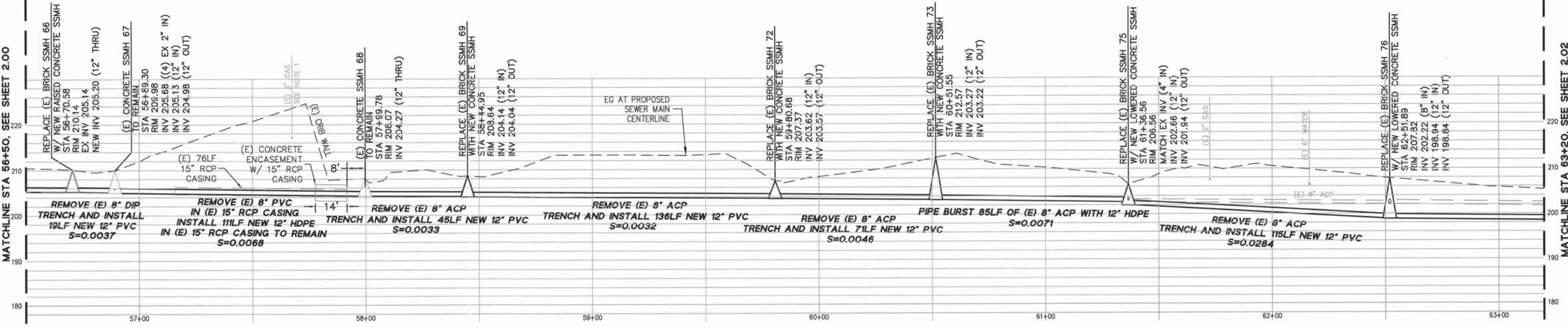
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DRAWN BY: CT	ADELINE DRIVE PLAN AND PROFILE	FILE NO.: 1/4906
REVISION	DATE	
JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS SAN MATEO COUNTY		555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES		2.00 SHEET 4 OF 13



APPROVED: 10/21/15
DATE: 10/21/15
JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS
R. C. E. # 48056 / EXPIRES 12-31-2015



- NOTES:
1. CONTRACTOR SHALL FIELD VERIFY LOCATION OF EXISTING HIGH VOLTAGE ELECTRIC CONDUIT ALONG BLACKHAWK LANE AND PROVIDE PROTECTION AS REQUIRED.
 2. FROM STA 56+70.58 TO STA 57+99.78, SEE DETAIL SHEET 4.01 FOR MORE INFORMATION REGARDING EXISTING CONDITIONS AT BLACKHAWK LANE.
 3. CONTRACTOR SHALL PROTECT EXISTING CRIB WALL AND BUILDING STRUCTURES DURING CONSTRUCTION.



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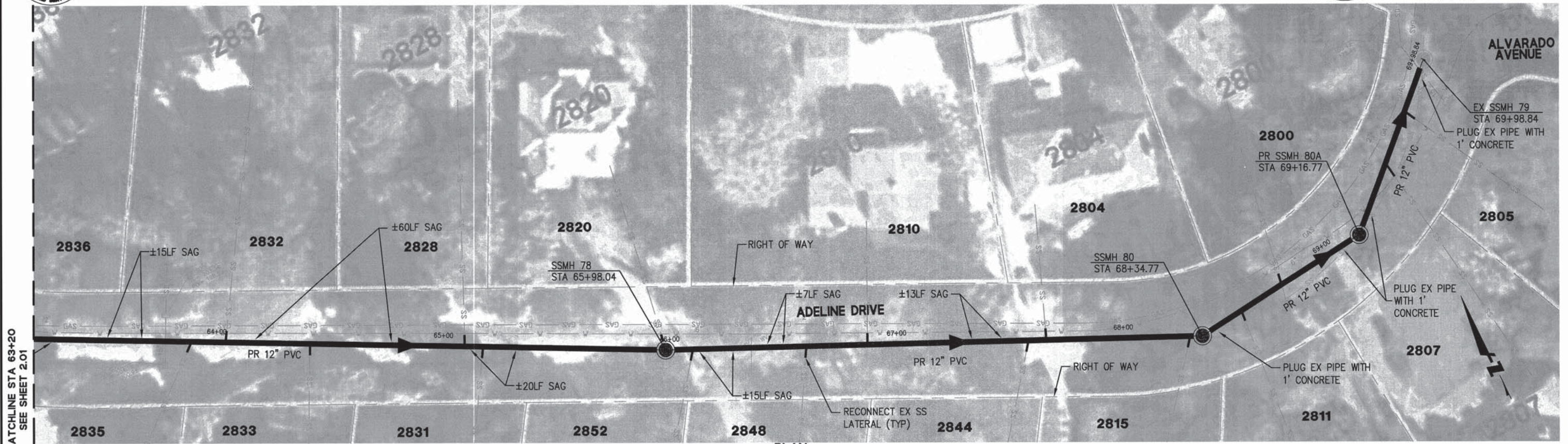
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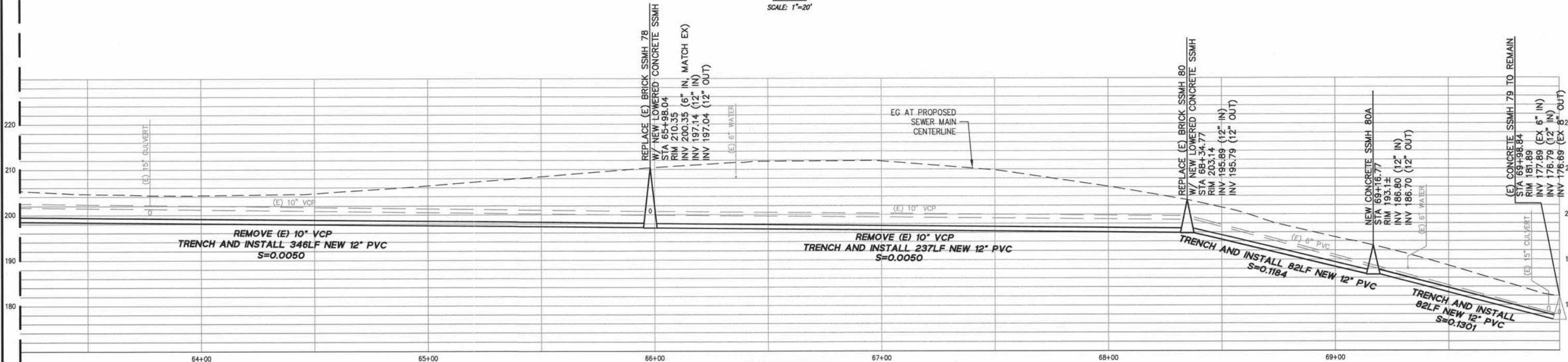
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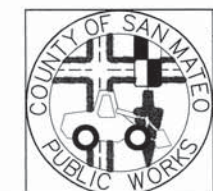
PLAN
SCALE: 1"=20'



SEWER PROFILE
HOR. 1"=20'
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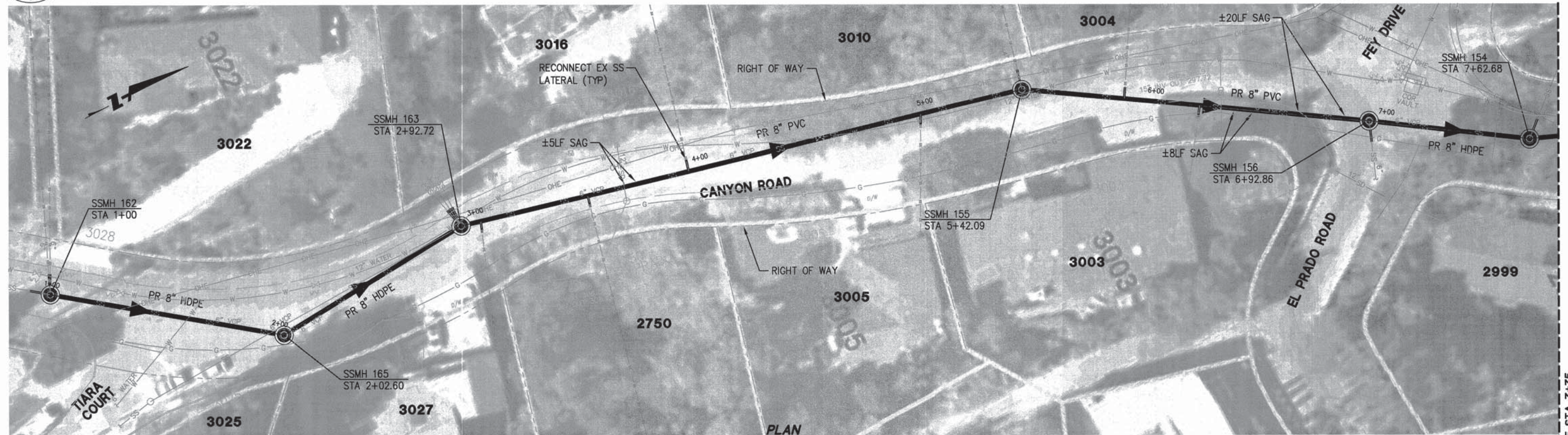
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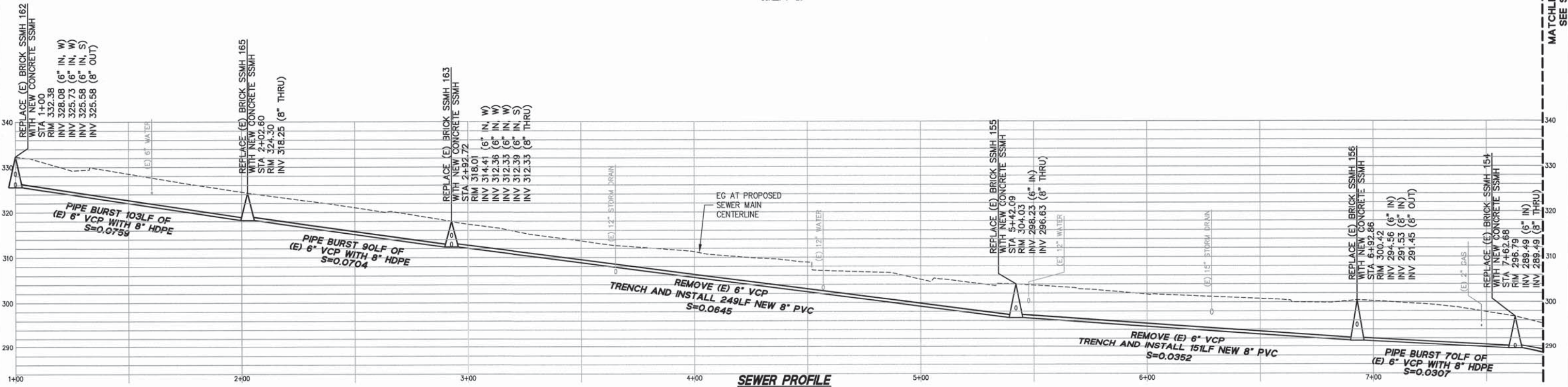
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PLAN
SCALE: 1"=20'



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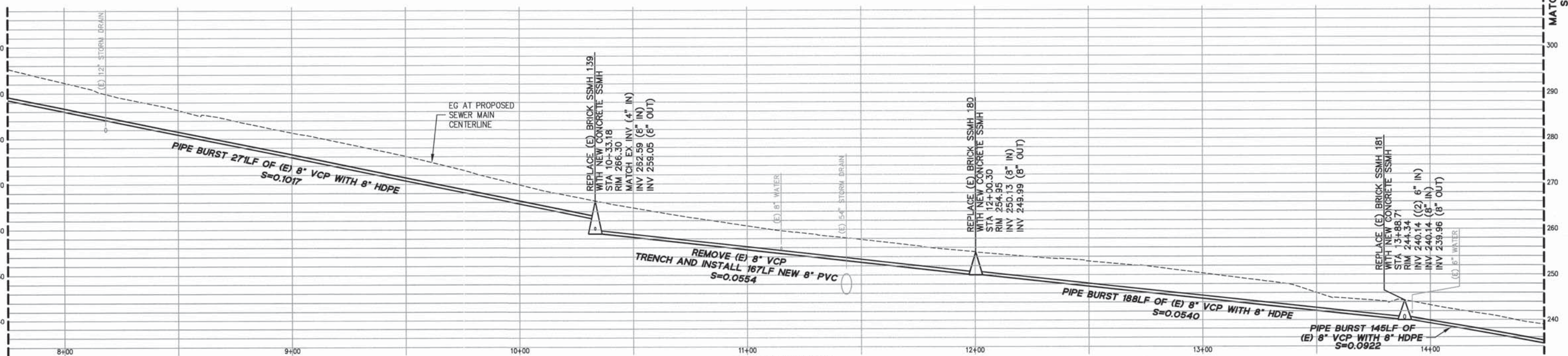
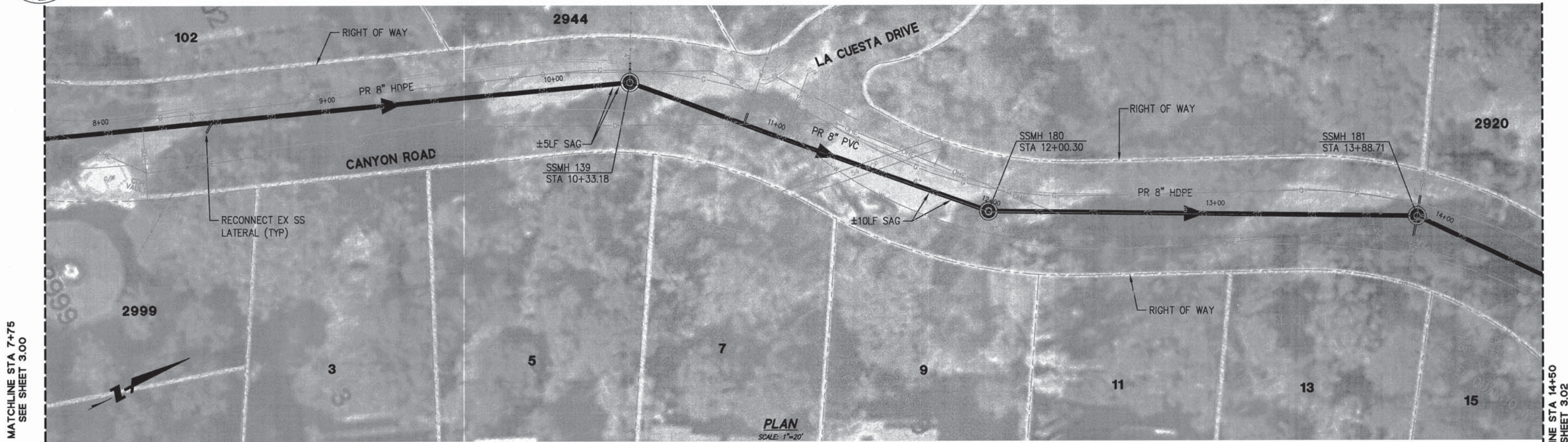
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FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES		3.00 SHEET 7 OF 13



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APPROVED DATE: Sep. 30-2015

YUSEF MORADZADEH, PROJECT MANAGER
BKf ENGINEERS
R.C.E. # 42632 / EXPIRES 3-31-2016

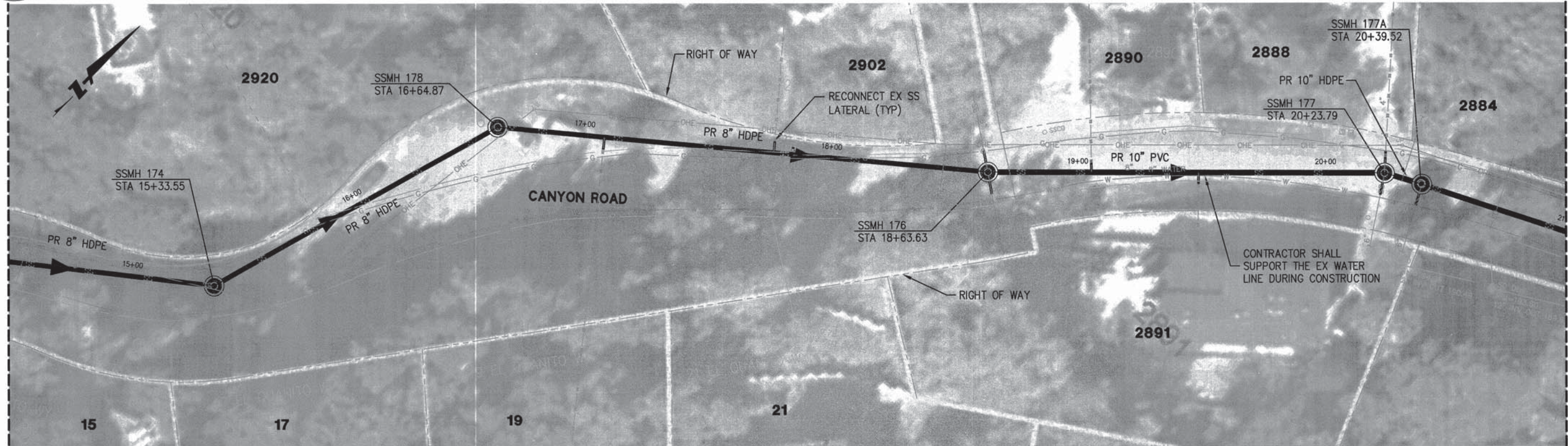
Professional Engineer Seal: YUSEF MORADZADEH, C42632, 3/31/16, CIVIL, STATE OF CALIFORNIA



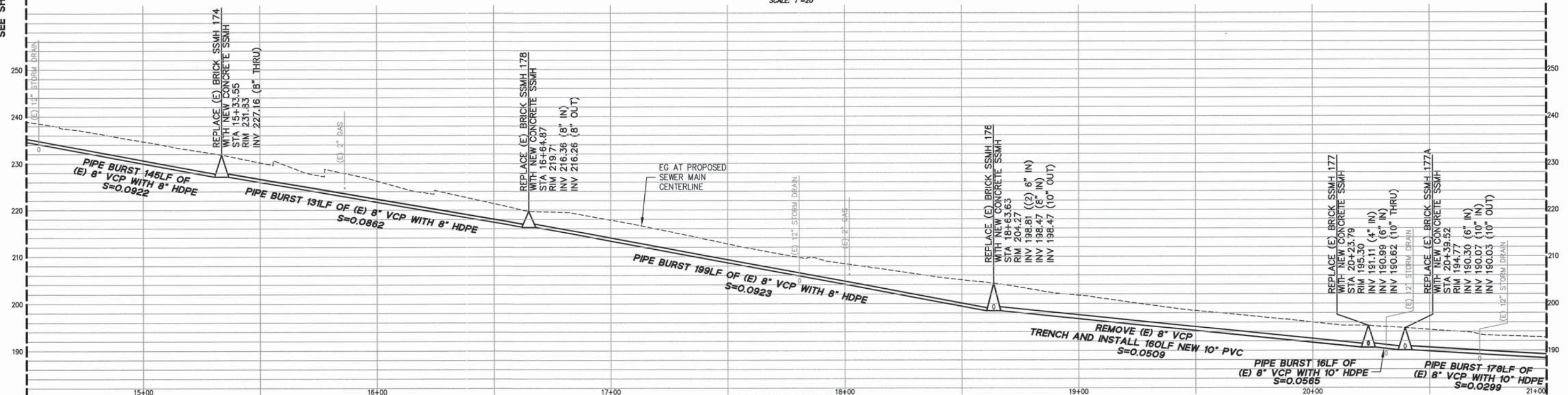
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CHECKED BY: YM	ADELIN DRIVE AND CANYON ROAD CAPACITY IMPROVEMENT PROJECT	DATE: 7/16/15
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JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS SAN MATEO COUNTY		555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063
REVISION		DATE
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES		0 1 2 3 4
		3.01 SHEET 8 OF 13



APPROVED: *[Signature]*
DATE: 10/21/15
JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS
R. C. E. # 48056 / EXPIRES 12-31-2015



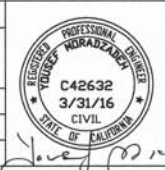
PLAN
SCALE: 1"=20'



SEWER PROFILE
HOR. 1"=20'
VER. 1"=10'



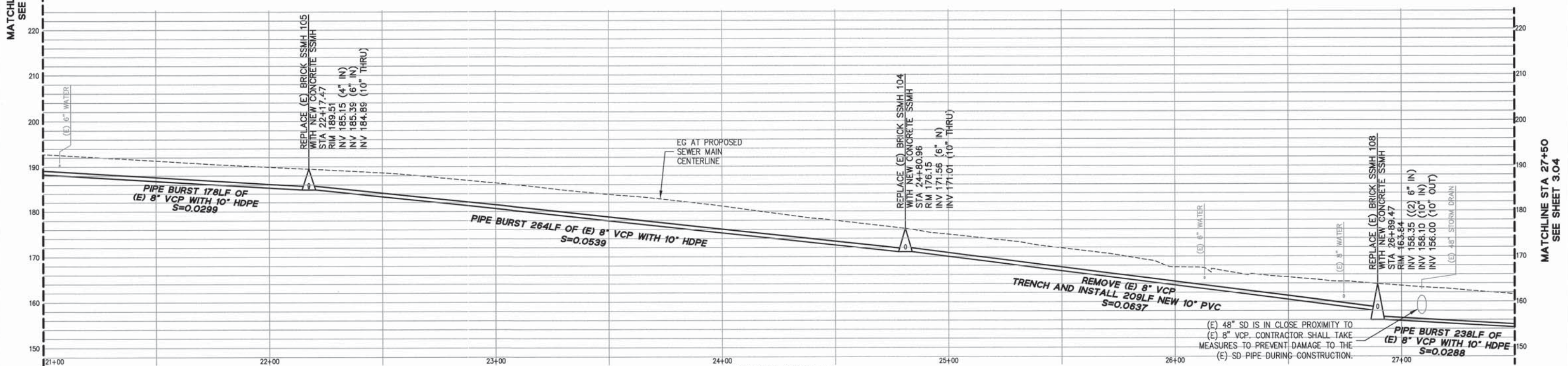
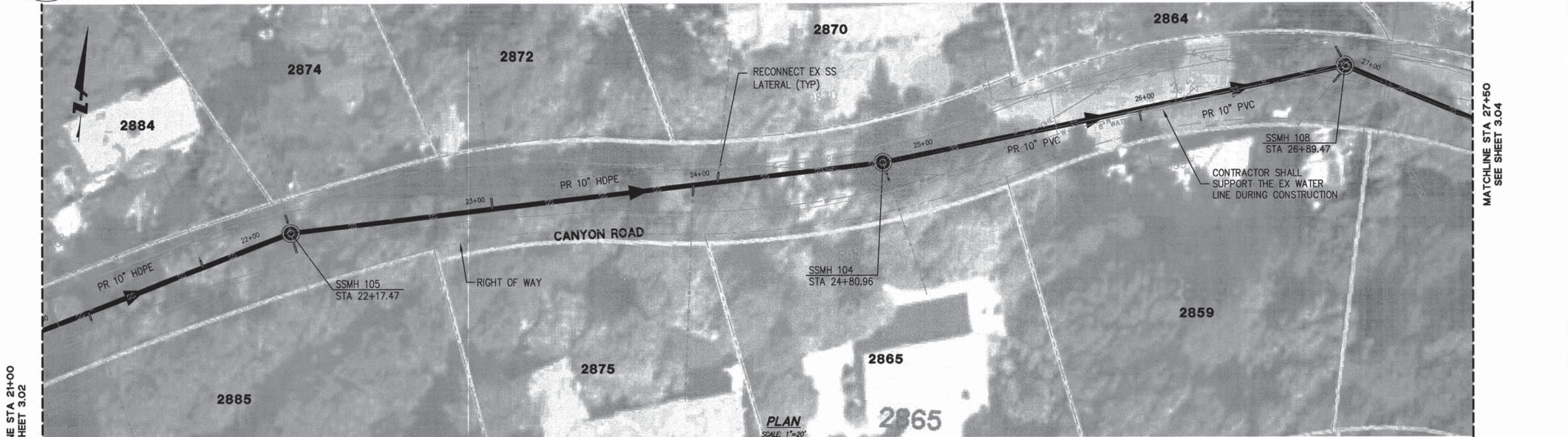
APPROVED DATE: Sept. 30-15
YUSEF MORADZADEH, PROJECT MANAGER
BKF ENGINEERS
R.C.E. # 42632 / EXPIRES 3-31-2016



DESIGNED BY: CT	BURLINGAME HILLS SEWER MAINTENANCE DISTRICT	SCALE: AS SHOWN
CHECKED BY: YM	ADELIN DRIVE AND CANYON ROAD CAPACITY IMPROVEMENT PROJECT	DATE: 7/16/15
DRAWN BY: CT	CANYON ROAD PLAN AND PROFILE	FILE NO.: 1/4906
REVISION	DATE	
JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS SAN MATEO COUNTY		555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES		3.02 SHEET 9 OF 13



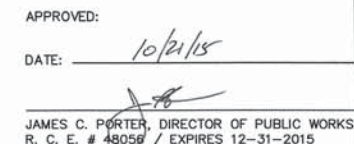
APPROVED: *[Signature]*
DATE: 10/21/15
JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS
R. C. E. # 48056 / EXPIRES 12-31-2015




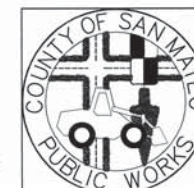
APPROVED DATE: Sept. 30, 2015
YUSEF MORADZADEH, PROJECT MANAGER
BKf ENGINEERS
R.C.E. # 42632 / EXPIRES 3-31-2016



DESIGNED BY: CT	BURLINGAME HILLS SEWER MAINTENANCE DISTRICT	SCALE: AS SHOWN
CHECKED BY: YM	ADELIN DRIVE AND CANYON ROAD CAPACITY IMPROVEMENT PROJECT	DATE: 7/16/15
DRAWN BY: CT	CANYON ROAD PLAN AND PROFILE	FILE NO.: 1/4906
JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS SAN MATEO COUNTY	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063	3.03 SHEET 10 OF 13



APPROVED DATE: <u>Sept. 30 - 15</u>	
YOUSEF MORADZADEH, PROJECT MANAGER	
BKF ENGINEERS	
R.C.E. # 42632 / EXPIRES 3-31-2016	



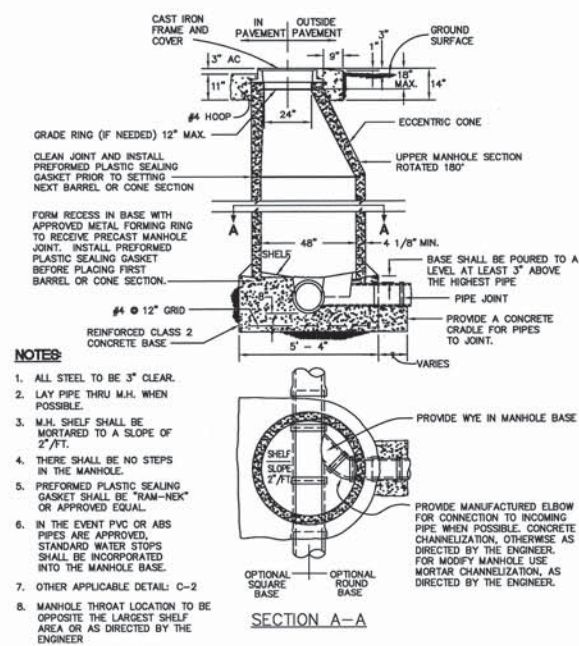
<div style="writing-mode: vertical-rl; transform: rotate(180deg);"> REVISION </div>		DESIGNED BY: GT	BURLINGAME HILLS SEWER MAINTENANCE DISTRICT ADELINE DRIVE AND CANYON ROAD CAPACITY IMPROVEMENT PROJECT <h2 style="text-align: center;">CANYON ROAD PLAN AND PROFILE</h2>	SCALE: AS SHOWN
		CHECKED BY: YM		DATE: 7/16/15
		DRAWN BY: GT		FILE NO: 1/4906
REVISION	DATE	JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS SAN MATEO COUNTY		555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES				3.04 SHEET 11 OF 13



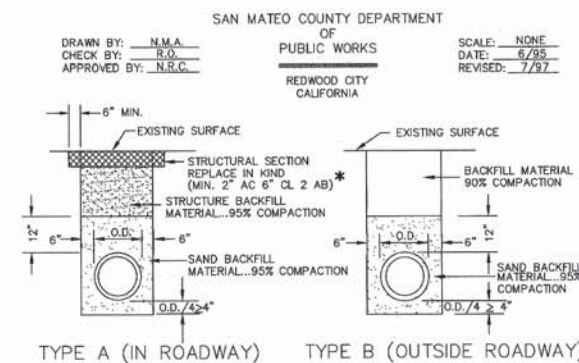
SAN MATEO COUNTY DEPARTMENT
OF
PUBLIC WORKS
REDWOOD CITY
CALIFORNIA

DRAWN BY: D.P.
CHECK BY: R.O.
APPROVED BY: N.R.C.

SCALE: NONE
DATE: 6/95
REVISED: 7/97



SANITARY SEWER MANHOLE DETAIL
C-1



**STANDARD TRENCH BACKFILL
AND BEDDING DETAIL FOR PVC OR HDPE
SEWER PIPE**
C-7

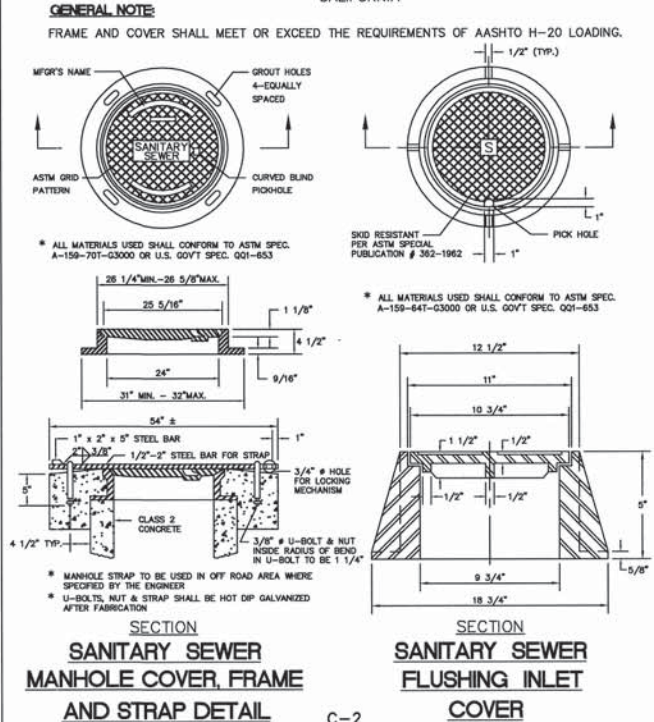
* FOR CANYON ROAD: 9" AC OVER CLASS 2 AB
FOR ADELIN DRIVE: 7" AC OVER CLASS 2 AB

1. THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE GEOTECHNICAL REPORT, "GEOTECHNICAL ENGINEERING INVESTIGATION SEWER LINE REPLACEMENT PROJECT CANYON ROAD AND ADELIN DRIVE" PREPARED BY BAGG ENGINEERS DATED JANUARY 2013. SPECIFIC ATTENTION SHOULD BE PAID TO THE THICKNESSES OF EXISTING AND PROPOSED ASPHALT CONCRETE AND CONCRETE PAVING AT VARIOUS LOCATIONS OF THIS PROJECT.

SAN MATEO COUNTY DEPARTMENT
OF
PUBLIC WORKS
REDWOOD CITY
CALIFORNIA

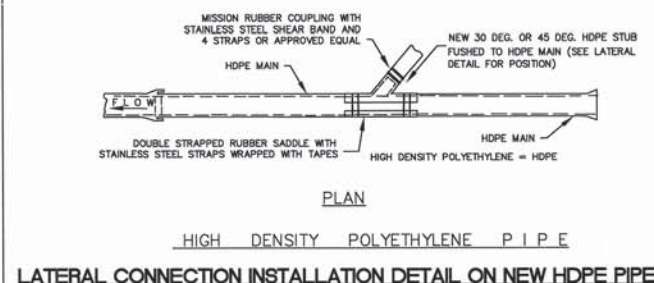
DRAWN BY: M.L.
CHECK BY: R.O.
APPROVED BY: N.R.C.

SCALE: NONE
DATE: 6/95
REVISED: 7/97

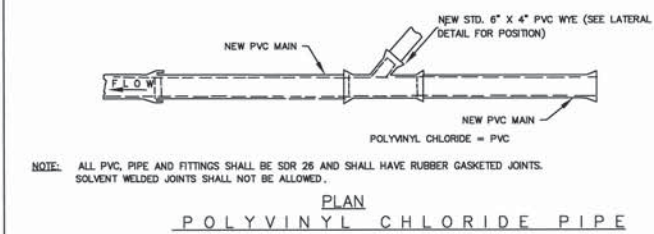


**SANITARY SEWER
MANHOLE COVER, FRAME
AND STRAP DETAIL**
C-2

**SANITARY SEWER
FLUSHING INLET
COVER**
C-5



LATERAL CONNECTION INSTALLATION DETAIL ON NEW HDPE PIPE
C-8

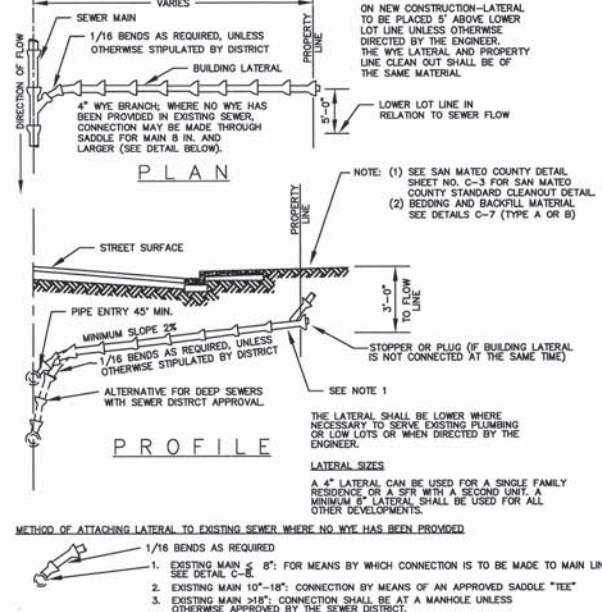


LATERAL CONNECTION INSTALLATION DETAIL ON NEW PVC PIPE
C-8 (MODIFIED)

SAN MATEO COUNTY DEPARTMENT
OF
PUBLIC WORKS
REDWOOD CITY
CALIFORNIA

DRAWN BY: N.M.A.
CHECK BY: R.O.
APPROVED BY: N.R.C.

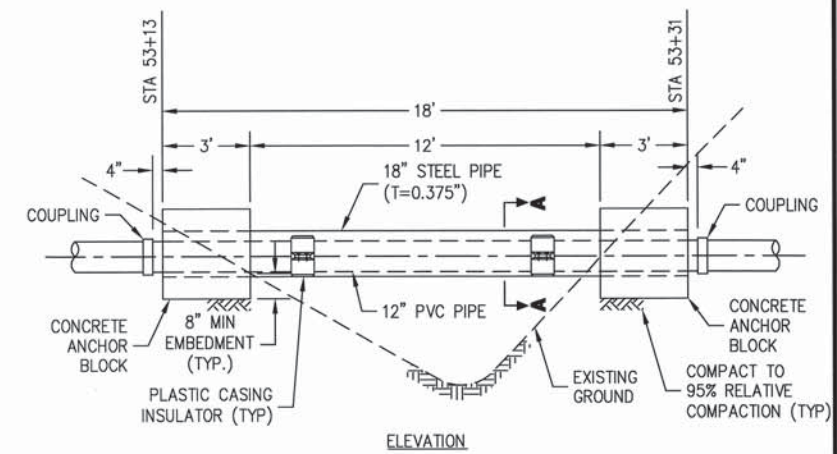
SCALE: NONE
DATE: 6/95
REVISED: 7/97



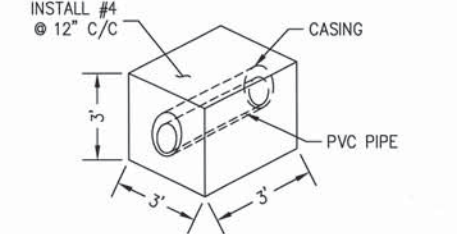
SEWER LATERAL DETAIL
C-5



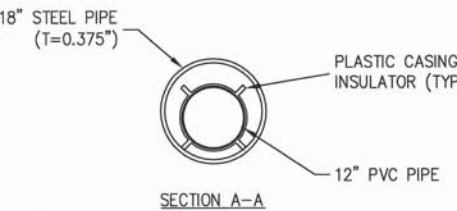
APPROVED: *[Signature]*
DATE: 10/21/15
JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS
R. C. E. # 48056 / EXPIRES 12-31-2015



ELEVATION



CONCRETE PIPE ANCHOR BLOCK

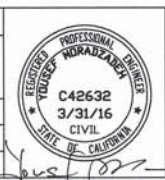


- NOTES:
- SEE ADELIN DRIVE PLAN AND PROFILE SHEET 2.00 FOR OVERCROSSING LOCATION AND PIPE SLOPE.
 - CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIALS.
 - STEEL CASING SHALL HAVE PRIME COAT AND FINISH COAT PAINTING. PAINT SHALL BE APPLIED IN ACCORDANCE WITH THE COATING SYSTEM PER MANUFACTURER'S RECOMMENDATION.
 - CONCRETE SHALL BE CLASS 2, SIX SACK CONCRETE.
 - CONTRACTOR SHALL REMOVE AND DISPOSE OF THE EXISTING 12" STEEL CASING, 8" ACP AND CONCRETE SUPPORTS.
 - CONTRACTOR SHALL FILL VOID SPACE BETWEEN NEW 12" PVC PIPE AND 18" STEEL PIPE WITH STYROFOAM WITHIN THE CONCRETE ANCHOR BLOCKS.

OVERCROSSING DETAIL
NOT TO SCALE

APPROVED DATE: Sept. 30-15

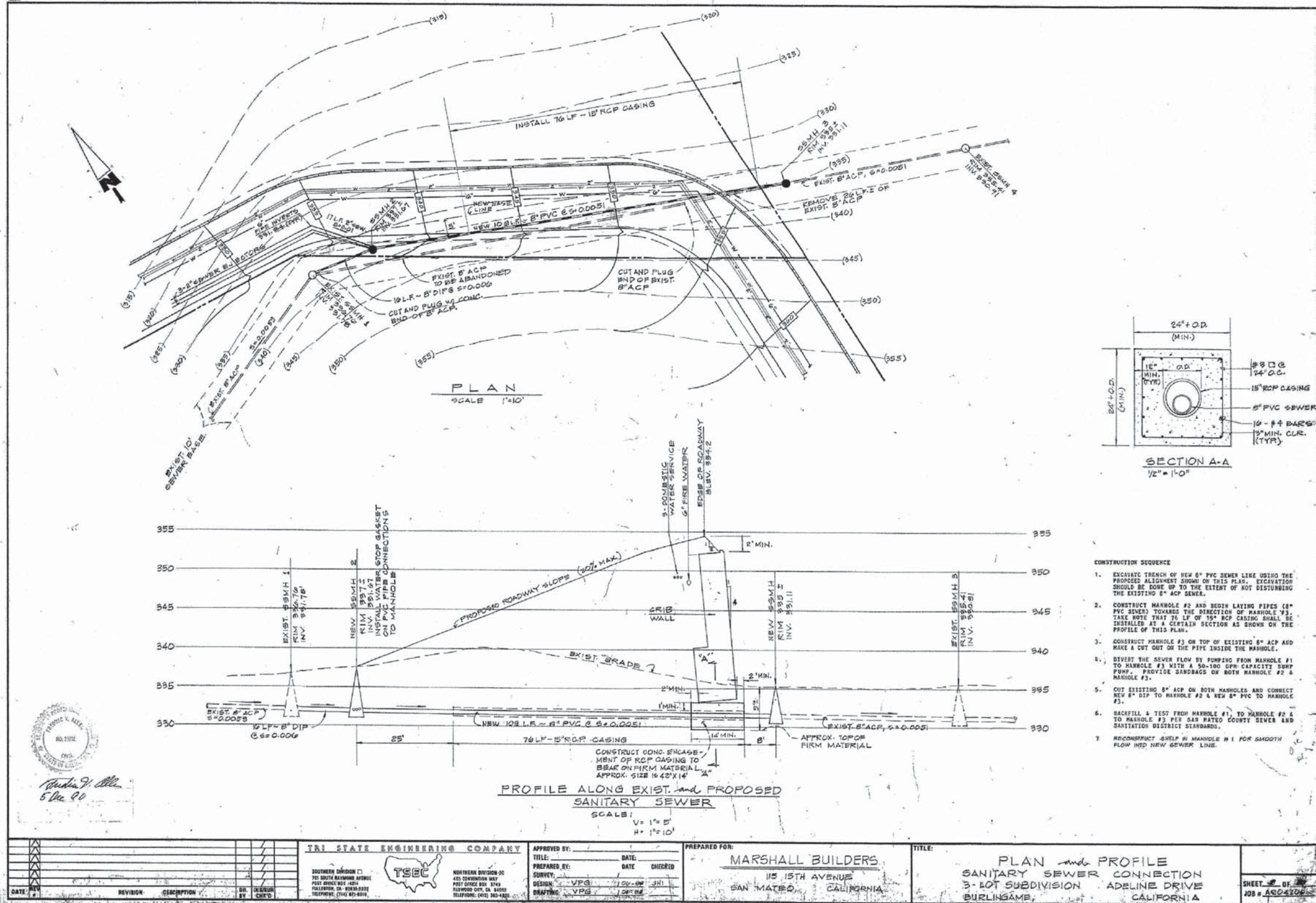
YUSEF MORADZADEH, PROJECT MANAGER
BKf ENGINEERS
R.C.E. # 42632 / EXPIRES 3-31-2016



DESIGNED BY: CT	BURLINGAME HILLS SEWER MAINTENANCE DISTRICT	SCALE: NO SCALE
CHECKED BY: YM	ADELIN DRIVE AND CANYON ROAD CAPACITY IMPROVEMENT PROJECT	DATE: 7/16/15
DRAWN BY: CT	DETAILS	FILE NO: 1/4906
JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS	555 COUNTY CENTER, 5th FLOOR	
SAN MATEO COUNTY	REDWOOD CITY, CALIFORNIA 94063	
REVISION	DATE	
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES		4.00 SHEET 12 OF 13



APPROVED: _____
DATE: 10/21/15
JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS
R. C. E. # 48056 / EXPIRES 12-31-2015



5 Dec 10

DATE: _____		REVISION: _____		DESCRIPTION: _____		BY: _____		CHECKED: _____	
TRI STATE ENGINEERING COMPANY									
SOUTHERN DIVISION: 705 SOUTH BAYVIEW AVENUE, POST OFFICE BOX 5749, FOLSOM, CA 95630, TELEPHONE: (916) 451-8300									
NORTHERN DIVISION: 400 CONVENT ROAD, POST OFFICE BOX 5749, FOLSOM, CA 95630, TELEPHONE: (916) 451-8300									
APPROVED BY: _____ DATE: _____									
PREPARED BY: _____ DATE: _____									
SURVEY: _____									
DESIGN: VPS									
DRAWING: VPS									
MARSHALL BUILDERS									
115 15TH AVENUE									
SAN MATEO, CALIFORNIA									
TITLE: PLAN and PROFILE									
SANITARY SEWER CONNECTION									
3-LOT SUBDIVISION ADELINE DRIVE									
BURLINGAME, CALIFORNIA									
SHEET 13 OF 13									

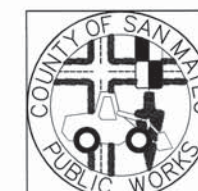
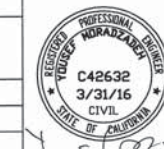
NOTE:
1. THE ABOVE PLAN IS SHOWN FOR REFERENCE ONLY. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO CONSTRUCTION.

APPROVED DATE: Sept. 30 - 15

YOUSEF MORADZADEH, PROJECT MANAGER

BKF ENGINEERS

R.C.E. # 42632 / EXPIRES 3-31-2015



DESIGNED BY: CT	BURLINGAME HILLS SEWER MAINTENANCE DISTRICT	SCALE: NO SCALE
CHECKED BY: YM	ADELINE DRIVE AND CANYON ROAD CAPACITY IMPROVEMENT PROJECT	DATE: 7/16/15
DRAWN BY: CT		FILE NO: 1/4906
JAMES C. PORTER, DIRECTOR OF PUBLIC WORKS		555 COUNTY CENTER, 5th FLOOR
SAN MATEO COUNTY		REDWOOD CITY, CALIFORNIA 94063
REVISION: _____ DATE: _____		4.01
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES		SHEET 13 OF 13