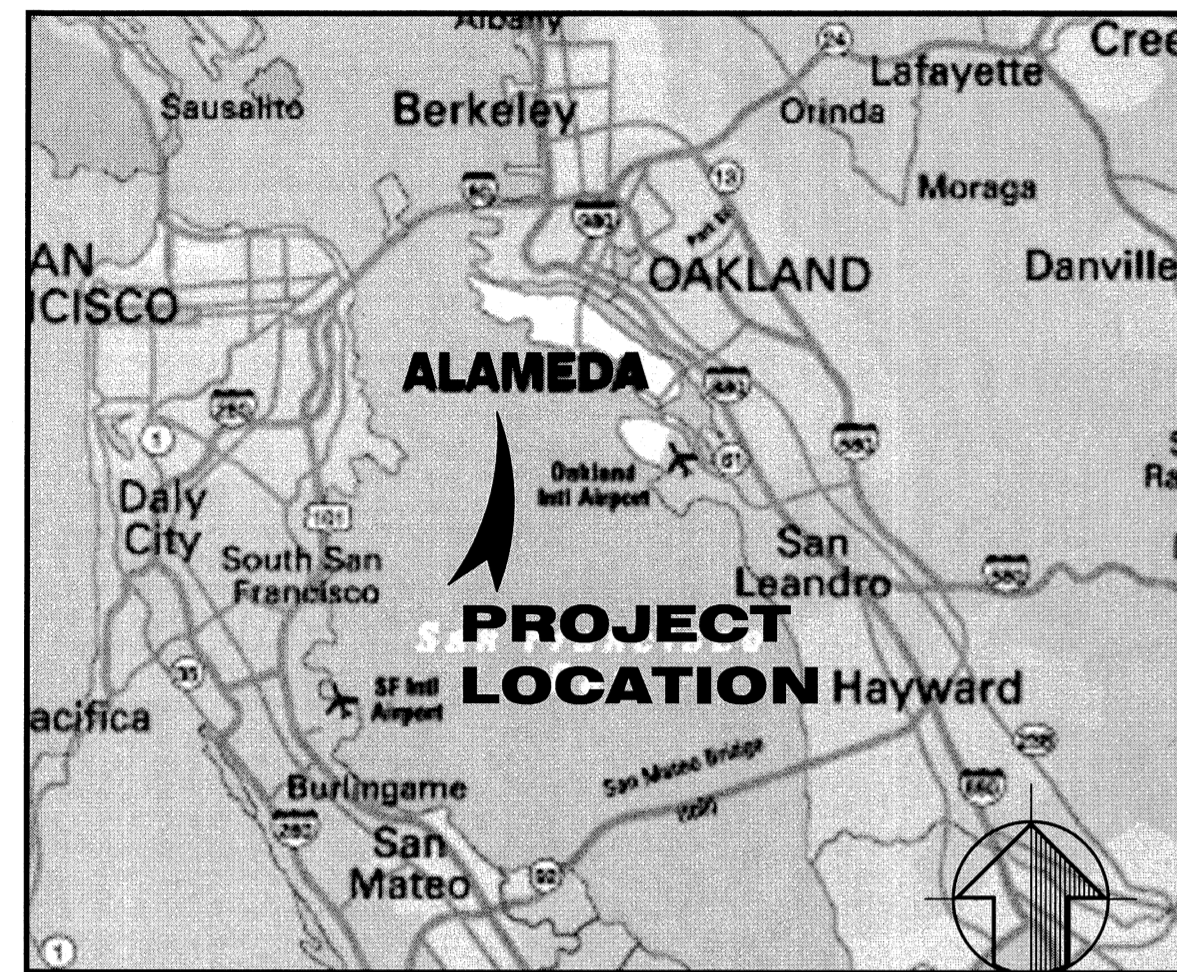


CITY OF ALAMEDA

CYCLIC SEWER REPLACEMENT PROJECT, PHASE 15

NO. P.W. 03-18-10



LOCATION MAP
(NOT TO SCALE)



LEGEND:

(E)	EXISTING
(N)	NEW
OUT 5.56	PROPOSED PIPE ELEVATION
RIM 7.62	EXISTING RIM ELEVATION
— GAS — GAS —	GAS LINE
— ABAN —	ABANDONED WATER LINE (FIELD VERIFY)
— W — W —	WATER LINE
— SD — SD —	STORM DRAIN LINE
— — — — —	EXISTING SANITARY SEWER LINE
— — — — —	NEW SANITARY SEWER LINE (OR EXISTING TO BE REPLACED)
	SANITARY SEWER LINES TO BE REPLACED
	UTILITIES TO BE PLUGGED, FILLED AND ABANDONED AS SPECIFIED ON PLANS
	SANITARY SEWER MANHOLE
	STORM DRAIN MANHOLE
	UTILITY POLE
	STREET LIGHT
	GAS VALVE
	WATER VALVE
	MONUMENT
	WATER METER BOX
	UTILITY BOX
	CLEAN OUT (SANITARY SEWER)
	FIRE HYDRANT
	GUY WIRE
	HAND HOLE
	TREE
	DRAWING NUMBER
	SHEET NUMBER

SHEET NO.	DESCRIPTION
1	TITLE SHEET, VICINITY MAP & LEGEND
2	NOTES
3	SURFACE RESTORATION & TRENCH DETAILS
4	MANHOLE DETAILS
5	LATERAL DETAILS
6	IMPROVEMENT PLAN - BRUSH ST BET SECOND ST & THIRD ST
7	IMPROVEMENT PLAN - CYPRESS ST BET THIRD ST & END
8	IMPROVEMENT PLAN - HAIGHT AVE BET PACIFIC AVE & LINCOLN AVE
9	IMPROVEMENT PLAN - HAIGHT AVE BET LINCOLN AVE & THIRD ST
10	IMPROVEMENT PLAN - TAYLOR AVE BET THIRD ST & FOURTH ST
11	IMPROVEMENT PLAN - TAYLOR AVE EAST OF FOURTH ST
12	IMPROVEMENT PLAN - TAYLOR AVE WEST OF FIFTH STREET
13	IMPROVEMENT PLAN - EIGHTH ST BET BUENA VISTA AVE & STEWART CT
14	IMPROVEMENT PLAN - BUENA VISTA AVE BET NINTH ST & WOOD ST
15	IMPROVEMENT PLAN - BUENA VISTA AVE AT CHAPIN ST
16	IMPROVEMENT PLAN - PACIFIC AVE BET CHAPIN ST & ST. CHARLES ST
17	IMPROVEMENT PLAN - PACIFIC AVE AT BAY ST
18	IMPROVEMENT PLAN - PACIFIC AVE AT SHERMAN ST
19	IMPROVEMENT PLAN - EAGLE AVE BET CHAPIN ST & ST. CHARLES ST
20	IMPROVEMENT PLAN - EAGLE AVE AT BAY ST
21	IMPROVEMENT PLAN - EAGLE AVE AT SHERMAN ST
22	IMPROVEMENT PLAN - SHERMAN ST AT EAGLE AVE
23	IMPROVEMENT PLAN - LAFAYETTE AVE BET SANTA CLARA AVE & LINCOLN AVE
24	IMPROVEMENT PLAN - UNION ST BET CLINTON AVE & SAN JOSE AVE
25	IMPROVEMENT PLAN - UNION ST WEST OF SAN ANTONIO AVE
26	IMPROVEMENT PLAN - FOLEY ST BET TILDEN WAY & BUENA VISTA AVE
27	IMPROVEMENT PLAN - NOBLE AVE BET EVERETT ST & BROADWAY
28	IMPROVEMENT PLAN - CHESTER ST BET REGENT ST & BROADWAY
29	IMPROVEMENT PLAN - JACKSON ST BET GROVE ST & MOUND ST
30	IMPROVEMENT PLAN - BRIGGS AVE EAST OF HIGH ST
31	IMPROVEMENT PLAN - BRIGGS AVE WEST OF FERNSIDE BLVD
32	IMPROVEMENT PLAN - WASHINGTON ST BET DORIS CT & VERSAILLES AVE
33	IMPROVEMENT PLAN - CLAY ST BET VERSAILLES AVE & MOUND ST
34	IMPROVEMENT PLAN - POST BET END & CALHOUN ST
35	IMPROVEMENT PLAN - POST ST NORTH OF CALHOUN ST
36	IMPROVEMENT PLAN - POST ST BET WASHINGTON ST & SAN JOSE AVE
37	IMPROVEMENT PLAN - TOYON TR BET POST ST & END
38	IMPROVEMENT PLAN - ADAMS ST EAST OF POST ST
39	IMPROVEMENT PLAN - OYSTER POND RD BET RDJ DR AND BASINSIDE WAY

PROJECT SITE

VICINITY MAP
(SCALE : 1"=750')

TITLE SHEET, VICINITY MAP & LEGEND

NO.	REVISED	BY	APP.
DESIGNED	PHILIP LEE		
DRAWN	PHILIP LEE		
CHECKED	PLAVIO BARRANTES		
DATE	MAY 2013		

CITY OF ALAMEDA
CALIFORNIA
ENGINEERING DEPARTMENT

CYCLIC SEWER REPLACEMENT
PROJECT, PHASE 15



APPROVED BY
Scott W. Kirkwood
CITY ENGINEER

DATE	6/29/2013
SHEET	1 OF 39
DWG	9412
CASE	35

SAFETY NOTES

1. THE CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES THE CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.
2. PRIOR TO COMMENCING WORK THE CONTRACTOR SHALL BE IN POSSESSION OF AN APPROVED SAFETY PLAN. THE SAFETY PLAN SHALL MEET OR EXCEED ALL CAL-OSHA REQUIREMENTS AND THE CSRMA CONTRACTOR SAFETY HANDBOOK.
3. THE CONTRACTOR SHALL POST EMERGENCY TELEPHONE NUMBERS FOR POLICE, FIRE, AMBULANCE, AND THOSE AGENCIES RESPONSIBLE FOR MAINTENANCE OF UTILITIES IN THE VICINITY OF THE JOBSITE.
4. THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN PREPARED BY A REGISTERED CIVIL ENGINEER OR A TRAFFIC ENGINEER AT THE PRE CONSTRUCTION MEETING OR 10 WORKING DAYS PRIOR TO START OF WORK, WHICHEVER IS EARLIER, FOR REVIEW AND APPROVAL BY THE PUBLIC WORKS DEPARTMENT. WORK SHALL NOT BEGIN UNTIL TRAFFIC CONTROL PLAN IS APPROVED. THE CONTRACTOR SHALL PRACTICE SAFETY AT ALL TIMES AND SHALL FURNISH, ERECT, AND MAINTAIN SUCH LIGHTS, SIGNS, FENCES, BARRICADES, FLAGMEN, OR OTHER TRAFFIC SAFETY DEVICES NECESSARY TO PROVIDE PUBLIC SAFETY IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES-CAL (MUTCD-CAL) WORK AREA TRAFFIC CONTROL HANDBOOK AND CAL-OSHA SPECIFICATIONS TO GIVE ADEQUATE PROTECTION TO THE PUBLIC AT ALL TIMES.
5. OVERHEAD ELECTRIC AND TELEPHONE DISTRIBUTION SYSTEMS AND INDIVIDUAL SERVICE LINES EXIST IN THE VICINITY OF THE WORK AREA AND ARE NOT ALL SHOWN ON THE DRAWINGS. CONTRACTOR SHALL EXERCISE CAUTION WHILE WORKING NEAR OR UNDER ALL UTILITY POLES.
6. CONTRACTOR SHALL COMPLY WITH ALL CITY OF ALAMEDA LAWS AND ORDINANCES; REGULATIONS OF THE DEPARTMENT OF INDUSTRIAL RELATIONS, O.S.H.A. AND INDUSTRIAL ACCIDENT COMMISSION RELATIONS TO THE SAFETY AND CHARACTER OF THE WORK, EQUIPMENT AND PERSONNEL.
7. WHILE WORKING ON THE PROJECT, THE CONTRACTOR AND ALL SUBCONTRACTORS SHALL COMPLY WITH CONFINED SPACE ENTRY PROCEDURES FOR ALL PERMIT SPACE ENTRIES. THE FOLLOWING SPACES ARE HEREBY DESIGNATED PERMIT SPACES: MANHOLES, PUMP PITS, VALVE PITS, UNDERGROUND PITS, PUMP STATIONS, CONCRETE CULVERTS.

GENERAL PROJECT NOTES

8. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL OF THE WORK PERFORMED BY HIS SUBCONTRACTOR WITHOUT EXCEPTION.
9. THE CONTRACTOR SHALL IDENTIFY A RESPONSIBLE CONTACT PERSON WHO IS AN EMPLOYEE OF THE CONTRACTOR AND A 24-HOUR TELEPHONE NUMBER TO CALL TO RESOLVE PROBLEMS WITH NOISE, DUST OR OTHER CONSTRUCTION-RELATED ISSUES.
10. THE CONTRACTOR SHALL BE REQUIRED TO KEEP ALL CONSTRUCTION ACTIVITIES WITHIN THE PROPERTY WHERE THE CONSTRUCTION WORK IS OCCURRING, OR THE PUBLIC RIGHT-OF-WAY WITH A CITY OF ALAMEDA ENCROACHMENT PERMIT UNLESS OTHERWISE SHOWN. THIS SHALL INCLUDE, BUT NOT LIMITED TO, VEHICLES AND EQUIPMENT, LIMITS AND TRENCH EXCAVATIONS, AND STOCKPILED NEW MATERIAL.
11. THE CONTRACTOR SHALL PROVIDE PROTECTION DEVICES INCLUDING BARRICADES, FENCING, WARNING SIGNS, LIGHTS, FLAGGERS, CHANGEABLE MESSAGE SIGNS, FLASHING ARROW BOARDS OR OTHER ITEMS NECESSARY TO ENSURE PUBLIC SAFETY WITHIN THE PROJECT SITES. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.
12. CONTRACTOR SHALL EXERCISE DUE CAUTION DURING CONSTRUCTION TO PROTECT ALL EXISTING LANDSCAPING, FENCING, EQUIPMENT, PIPES WHICH ARE TO REMAIN. ANY DAMAGE RESULTING FROM CONTRACTOR OPERATIONS SHALL BE REPAIRED AS DIRECTED BY THE CITY'S REPRESENTATIVE AT NO ADDITIONAL COST TO THE CITY.
13. CONTRACTOR SHALL CONFORM TO ALL LAWS REGARDING MONUMENT AND SURVEY POINT PROTECTION, PRESERVATION, AND RESTORATION. THE CONTRACTOR SHALL PRESERVE ALL SURVEY MARKERS AND MONUMENTATION. THE CONTRACTOR SHALL NOTIFY THE CITY ENGINEER OF ANY EXISTING FEDERAL, STATE, COUNTY, CITY AND PRIVATE LAND SURVEY MARKER REQUIRING RESETTING PRIOR TO DISTURBANCE.
14. CONTRACTOR SHALL REPLACE ALL STRIPING AND PAVEMENT MARKING DISTURBED BY CONSTRUCTION TO PRE-CONSTRUCTION CONFIGURATION, OR AS PER THE DIRECTION OF THE PUBLIC WORKS REPRESENTATIVE.
15. CONTRACTOR SHALL RECONSTRUCT ALL EXISTING PRIVATE AND PUBLIC IMPROVEMENTS TO THEIR EXISTING CONDITION OR BETTER. THIS INCLUDES, BUT IS NOT LIMITED TO, ALL CURBS, SIDEWALKS, PLANTER STRIPS, AC SURFACES, LANDSCAPING, IRRIGATION, UTILITIES, AND OTHER STRUCTURES UNLESS NOTED OR DIRECTED OTHERWISE BY THE CITY'S REPRESENTATIVE.
16. CONTRACTOR SHALL COMPLY WITH THE CITY OF ALAMEDA STANDARD SPECIFICATIONS AND DRAWINGS OR EBMUD STANDARD SPECIFICATIONS AND DRAWINGS WHERE INDICATED.
17. ALL EXCAVATIONS OR TRENCHES IN PAVED AREAS SHALL REQUIRE SAW CUTTING IN A NEAT AND UNIFORM MANNER. TRENCH WIDTH SHALL NOT EXCEED THE MAXIMUM WIDTHS AS SHOWN ON THE TYPICAL TRENCH DETAIL. THE CONTRACTOR SHALL OBTAIN A PERMIT FROM THE DEPARTMENT OF INDUSTRIAL RELATIONS, DIVISION OF OCCUPATIONAL SAFETY AND HEALTH (CAL-OSHA) WHEN TRENCH EXCAVATIONS EXCEED 5'-0". CONTACT CAL-OSHA FOR FURTHER INFORMATION (LABOR CODE 6705 ET. SEQ.). THE CONTRACTOR SHALL SUBMIT SHEETING AND SHORING DETAIL (INCLUDING CALCULATIONS, SIGNED AND STAMPED BY A REGISTERED CALIFORNIA CIVIL ENGINEER) FOR THE ENGINEER'S REVIEW AND APPROVAL AT THE PRE-CONSTRUCTION MEETING.
18. CONTRACTOR SHALL COMPLY WITH THE CITY AND ALAMEDA COUNTY'S COUNTY-WIDE CLEAN WATER PROGRAM. BROCHURES FOR THE BEST MANAGEMENT PRACTICES (BMPs) CAN BE OBTAINED FROM THE PERMIT OFFICE. FAILURE TO COMPLY WILL RESULT IN FINES. CONTRACTOR SHALL SUBMIT A SWPPP INCLUDING EROSION CONTROL PLAN FOR CITY OF ALAMEDA AND STATE WATER RESOURCES CONTROL BOARD REVIEW AND APPROVAL AT THE PRE-CONSTRUCTION MEETING.
19. ALL ABANDONED PIPES SHALL BE PLUGGED AT BOTH ENDS WITH 3 FEET OF CONCRETE AND/OR FILLED WITH GROUT AS SPECIFIED ON PLANS.
20. THE CONTRACTOR SHALL PROVIDE A NEAT AND LEGIBLE SET OF AS-BUILT PRINTS.

LAYOUT NOTES

21. UNLESS NOTED ON THE PLANS, ALL ELEVATIONS ON THE DRAWINGS ARE BASED ON THE CITY OF ALAMEDA DATUM.
22. HORIZONTAL AND VERTICAL DIMENSIONS PROVIDED ON THE DRAWINGS ARE APPROXIMATE. FIELD MEASUREMENTS MAY VARY FROM THOSE ON THE DRAWINGS. ADJUSTMENTS TO LINE AND GRADE MAY BE MADE BY THE ENGINEER DURING CONSTRUCTION.
23. SHOULD IT APPEAR THAT THE WORK TO BE DONE OR ANY MATTER RELATIVE THERETO, IS INSUFFICIENTLY OR INCORRECTLY DETAILED OR EXPLAINED ON THESE PLANS, CONTRACTOR SHALL CONTACT THE CITY'S REPRESENTATIVE FOR SUCH FURTHER EXPLANATIONS AS MAY BE NECESSARY.
24. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY UPON DISCOVERY OF ANY POTENTIAL FIELD CONFLICTS.
25. PROVIDE SEVEN (7) CALENDAR DAY NOTICE IN ADVANCE OF NEED FOR STAKES. CALL 415-453-4480. ALL POTHOLING LOGS SHALL BE PROVIDED PRIOR TO STAKING REQUEST.

APPROVALS & COORDINATION NOTES

26. ALL UNDERGROUND UTILITIES MAY NOT BE SHOWN AND THOSE SPECIFICALLY SHOWN ON THE PLANS HAVE APPROXIMATE LOCATIONS AND DEPTHS. IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY THE EXACT LOCATION OF UTILITIES IN THE FIELD. CALL "UNDERGROUND SERVICE ALERT" (U.S.A.) AT 800-227-2600 AT LEAST 48 HOURS BEFORE DIGGING. ANY ADDITIONAL COSTS INCURRED AS A RESULTS OF THE CONTRACTOR'S FAILURE TO VERIFY LOCATIONS OF EXISTING UTILITIES PRIOR TO BEGINNING OF CONSTRUCTION SHALL BE BORNE BY THE CONTRACTOR. WATER AND GAS SERVICES SHALL BE POTHOLED AND FIELD VERIFIED FOR THEIR CONFLICT WITH SEWER MAIN AND LATERAL. NOTIFY THE ENGINEER AND PUBLIC WORKS INSPECTOR OF THE CONFLICT BEFORE PERFORMING ANY WORK.
27. ALL CONSTRUCTION SHALL BE PERFORMED WITH ACCORDANCE WITH CITY OF ALAMEDA STANDARD SPECIFICATIONS AND STANDARD PLANS. ANY CONFLICT BETWEEN THESE PLANS AND THE CITY OF ALAMEDA STANDARDS SHALL BE BROUGHT TO THE ATTENTION OF THE CITY OF ALAMEDA PUBLIC WORKS REPRESENTATIVE FOR DETERMINATION AND RESOLUTION.

APPROVALS & COORDINATION NOTES CONT.

28. UPON APPROVAL OF THE PLANS AND SPECIFICATIONS BY THE CITY ENGINEER, ANY CHANGES TO THE IMPROVEMENT PLANS NECESSITATED DURING CONSTRUCTION SHALL REQUIRE A PLAN REVISION SUBMITTAL AND APPROVAL BY THE CITY OF ALAMEDA PUBLIC WORKS REPRESENTATIVE. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY FIELD CHANGES MADE WITHOUT WRITTEN AUTHORIZATION.
29. THE CONTRACTOR SHALL NOTIFY THE PUBLIC WORKS DEPARTMENT AT LEAST 5 WORKING DAYS PRIOR TO BEGINNING OF CONSTRUCTION. A WORK PLAN SHALL BE SUBMITTED FOR EACH KEY AREA OF WORK FOR THE CITY REPRESENTATIVE'S APPROVAL PRIOR TO THE START OF CONSTRUCTION.
30. THE CONTRACTOR SHALL HAVE A SUPERINTENDENT OR REPRESENTATIVE OBTAIN ALL NECESSARY PERMITS AND LICENSES AND COPIES OF THE APPROVED PLANS AND SPECIFICATIONS FOR THIS PROJECT ON SITE AT ALL TIMES DURING CONSTRUCTION. PROVIDE COPIES OF ALL APPROVED PERMITS PULLED DURING BILLING REQUESTS.
31. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ALL PERMITS NECESSARY TO PERFORM THE WORK SHOWN IN THESE PLANS FROM THE APPROPRIATE AGENCIES PRIOR TO COMMENCING WORK.
32. THE CONTRACTOR SHALL PREPARE WRITTEN NOTIFICATION OF THE STARTING AND ENDING DATES OF THE WORK AND DELIVER TO HOMES, BUSINESSES, PARKS AND CITY FACILITIES IN THE VICINITY OF THE PROJECT AT LEAST THREE WEEKS IN ADVANCE OF THE WORK. THE CONTRACTOR SHALL INCLUDE THE HOURS OF WORK IN THE WRITTEN NOTIFICATIONS. PROVIDE THE CITY WITH A COPY OF ALL NOTIFICATION LETTERS TO BE SENT TO ALL AFFECTED PROPERTIES. THE CONTRACTOR SHALL CONTACT THE OPERATOR OF THE CITY FACILITIES INCLUDED IN THIS PROJECT TO COORDINATE ALL WORK ACTIVITIES PRIOR TO THE START OF CONSTRUCTION.
33. THE CONTRACTOR SHALL COMPLY WITH ALL LOCAL SOUND CONTROL AND NOISE LEVEL RULES, REGULATION AND ORDINANCES WHICH APPLY TO ANY WORK PERFORMED UNDER THE CONTRACT. EACH INTERNAL COMBUSTION ENGINE USED ONT HE PROJECT SHALL BE EQUIPPED WITH A SPARK ARRESTING MUFFLER RECOMMENDED BY THE MANUFACTURER. NO INTERNAL COMBUSTION ENGINE SHALL BE OPERATED ON THE PROJECT WITHOUT SAID MUFFLER. NOISE LEVELS SHALL BE KEPT TO THE SATISFACTION OF THE CITY.
34. THE CONTRACTOR SHALL COORDINATE ALL WORK WITH THE CITY, OTHER CONTRACTORS WORKING IN THE AREA, AND WITH THE APPROPRIATE UTILITY COMPANY.
35. LOCATIONS OF UTILITIES SHOWN ARE FROM THE RECORDS OF THE VARIOUS UTILITY COMPANIES, LOCAL CITY AND COUNTY PUBLIC WORK AGENCIES AND MAY NOT ALL BE SHOWN. THE CITY AND ITS ENGINEER MAKE NO GUARANTEE THAT THE LOCATIONS OF UTILITIES ENCOUNTERED WILL NOT BE DIFFERENT THAN THOSE SHOWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING AND MAKING HIS (HER) OWN DETERMINATION OF LOCATIONS OF EXISTING UTILITIES BY POTHOLING (HAND EXCAVATING) POTENTIAL CONFLICTS IN ADVANCE OF CONSTRUCTING THE CONTRACT PIPELINES OR AS REQUIRED ON THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO AND ALL PROTECTION FOR, AND/OR COORDINATING THE RELOCATION OF EACH BY THE UTILITY COMPANY AS NECESSARY.
36. CONTRACTOR SHALL OBTAIN THE NECESSARY PERMIT TO USE EBMUD WATER. CONTRACTOR SHALL NOT USE WATER FROM PRIVATE TAPS FOR THE PROJECT OR WORK ASSOCIATED WITH THE PROJECT.

TREE PROTECTION NOTES

37. ARBORIST: IF TREE ROOTS ARE TO BE ENCOUNTERED, CONTRACTOR SHALL CONTACT THE CITY'S ARBORIST FOR "ON-CALL" CONSULTATION DURING CONSTRUCTION. NO EXCAVATION SHALL BE PERMITTED ON-SITE UNTIL THE ARBORIST HAS APPROVED THE PROPOSED STAGING AREA(S). NO TREE PRUNING, REMOVAL, OR ROOT-CUTTING SHALL OCCUR WITHOUT THE ARBORIST'S DIRECTION, RECOMMENDATIONS, OR APPROVAL.
38. TRENCHING: ALL TRENCHING WITHIN THE DRIP LINE OF EXISTING TREES SHALL BE BY HAND WITH CARE TAKEN NOT TO DAMAGE ROOTS OVER 2" DIAMETER.
39. ADVANCE WARNING: IF NECESSARY, CITY'S ARBORIST SHALL MARK LIMITS OF AREA WITHIN DRIP LINES IN ADVANCE PRIOR TO EXCAVATING.
40. PRUNING: TREE ROOTS & BRANCHES SHALL BE PRUNED ONLY AS RECOMMENDED BY CITY'S ARBORIST AND SHALL BE APPROVED IN ADVANCE AS DIRECTED BY THE CITY.
41. CONSTRUCTION OPERATIONS: NO CONSTRUCTION OPERATIONS SHALL BE CARRIED ON WITHIN THE DRIP LINE AREA OF ANY TREE DESIGNATED TO BE SAVED EXCEPT AS AUTHORIZED BY THE CITY ARBORIST.
42. STORAGE: THE AREA UNDER THE DRIP LINE OF THE TREE SHALL BE KEPT CLEAN. NO CONSTRUCTION MATERIALS NOR CHEMICAL SOLVENTS SHALL BE STORED OR DUMPED UNDER A TREE.
43. TREE DAMAGE: ANY DAMAGE TO EXISTING TREE CROWNS OR ROOT SYSTEMS SHALL BE REPAIRED IMMEDIATELY BY AN APPROVED TREE SURGEON UNDER THE DIRECTION OF THE CITY'S ARBORIST.

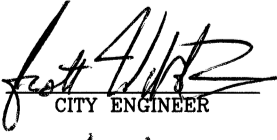
ADDITIONAL NOTES

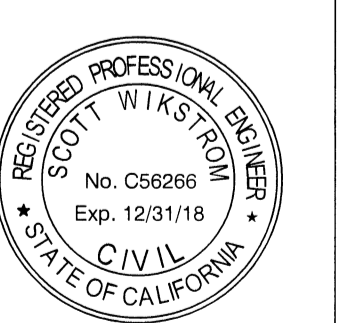
44. UNDERGROUND SERVICE LINES TO BUILDINGS INCLUDING WATER, GAS, ELECTRIC, TELEPHONE, CABLE ETC ARE NOT ALL SHOWN. THE CONTRACTOR SHALL ASSUME THAT ALL BUILDINGS HAVE UNDERGROUND SERVICE LINES. CALL USE FOR MARKING AND POTHOLE PRIOR TO TRENCHING. BID ITEM FOR POTHOLING COVERS POTHOLING FOR UTILITY MAINS ONLY.
45. THE CONTRACTOR SHALL INSTALL PUMPS TO DIVERT SEWAGE AROUND THE WORK AREA. DURING NON-WORKING HOURS THE SEWAGE FLOW THROUGH THE SEWER SHALL BE RESTORED.
46. WHERE THE NEW SEWER IS TO FOLLOW THE ALIGNMENT OF THE EXISTING SEWER, THE CONTRACTOR SHALL LOCATE THE ALIGNMENT OF THE EXISTING SEWER BY ELECTRONIC MEANS OR BY POTHOLING PRIOR TO SAW CUTTING PAVEMENT.
47. THE CONTRACTOR SHALL USE SHORING METHODS THAT WILL PREVENT MOVEMENT OF ADJACENT GROUND.
48. WHERE A WATER MAIN IS CLOSE TO THE SEWER ALIGNMENT THE CONTRACTOR SHALL COORDINATE HIS (HER) WORK WITH EBMUD. IT IS THE CONTRACTOR'S RESPONSIBILITY TO SUPPORT THE WATER MAIN AT ALL TIMES.
49. USE EXTREME CARE WHEN EXCAVATING NEAR BENDS OR TEES ON WATER MAINS SO AS NOT TO DISTURB ANY THRUST BLOCKS. IF A THRUST BLOCK IS DISPLACED OR DISTURBED IT SHALL BE REPLACED BEFORE THE END OF THAT DAY'S WORK PERIOD.
50. GROUND WATER CONTROL IS THE RESPONSIBILITY OF THE CONTRACTOR. GROUND WATER SHALL NOT BE DISCHARGED TO STORM DRAINS. WATER FROM TRENCH DEWATERING MAY BE DISCHARGED TO THE SANITARY SEWER PROVIDING ROCKS, GRAVEL, DEBRIS, DIRT, AND SILT HAVE BEEN REMOVED AND THE CONTRACTOR HAS OBTAINED A GROUNDWATER DISCHARGE PERMIT FROM EBMUD.
51. ALL PAVEMENT CURBS, GUTTERS, AND SIDEWALKS DAMAGED BY THE WORK SHALL BE RESTORED PER THE SURFACE RESTORATION DETAILS AND SPECIFICATIONS. CURBS, GUTTER, AND SIDEWALKS SHALL BE REPLACED TO MATCH EXISTING DIMENSIONS AND CONFIGURATION.
52. USE OF "CUT BACK" ASPHALT FOR TEMPORARY TRENCH PAVING IN THE PUBLIC RIGHT-OF-WAY IS NOT PERMITTED. USE TRENCH PLATES OR HOT MIX ONLY.
53. FOR PIPE BEDDING AND PIPE ZONE BACKFILL SEE THROUGH SECTION DETAILS AND PROJECT SPECIFICATIONS.
54. THE CONTRACTOR SHALL POTHOLE ALL UTILITIES BEFORE THE ENGINEER SET THE GRADES.
55. LATERALS (HOUSE CONNECTION SEWERS) ARE NOT SHOWN ON THE DRAWINGS. THE CONTRACTOR SHALL LOCATE ACTIVE LATERALS THAT CONNECT TO THE REHABILITATED SEWER LINES AND RECONNECT OR REHABILITATE THEM. THE CONTRACTOR SHALL INSTALL A 2-WAY CLEAN OUT ON EACH REHABILITATED LATERAL WHERE ONE DOES NOT ALREADY EXIST.
56. ALL STREETS, ALLEYS, VEHICULAR WAYS, SIDEWALKS, AND HAUL ROUTES SHALL BE KEPT CLEAN AND CLEAR OF DEBRIS, DIRT, AND DUST IN A MANNER ACCEPTABLE TO THE CITY. AT A MINIMUM, THESE AREAS SHALL BE CLEANED AT THE END OF EACH WORK DAY. SWEEP AS NEEDED AND AS DIRECTED BY THE PUBLIC WORKS INSPECTOR. FAILURE TO DO SO WILL RESULT IN A "STOP WORK" NOTICE. SAID NOTICE WILL NOT BE RELEASED UNTIL THE AREA HAS BEEN ADEQUATELY CLEANED. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THIS WORK.
57. CONSTRUCTION EQUIPMENT, TOOLS, ETC SHALL NOT BE CLEANED OR RINSED INTO A STREET, GUTTER, STORM DRAIN OR STREAM. SHOVEL OR VACUUM SAW-CUT SLURRY AND REMOVE FROM SITE.

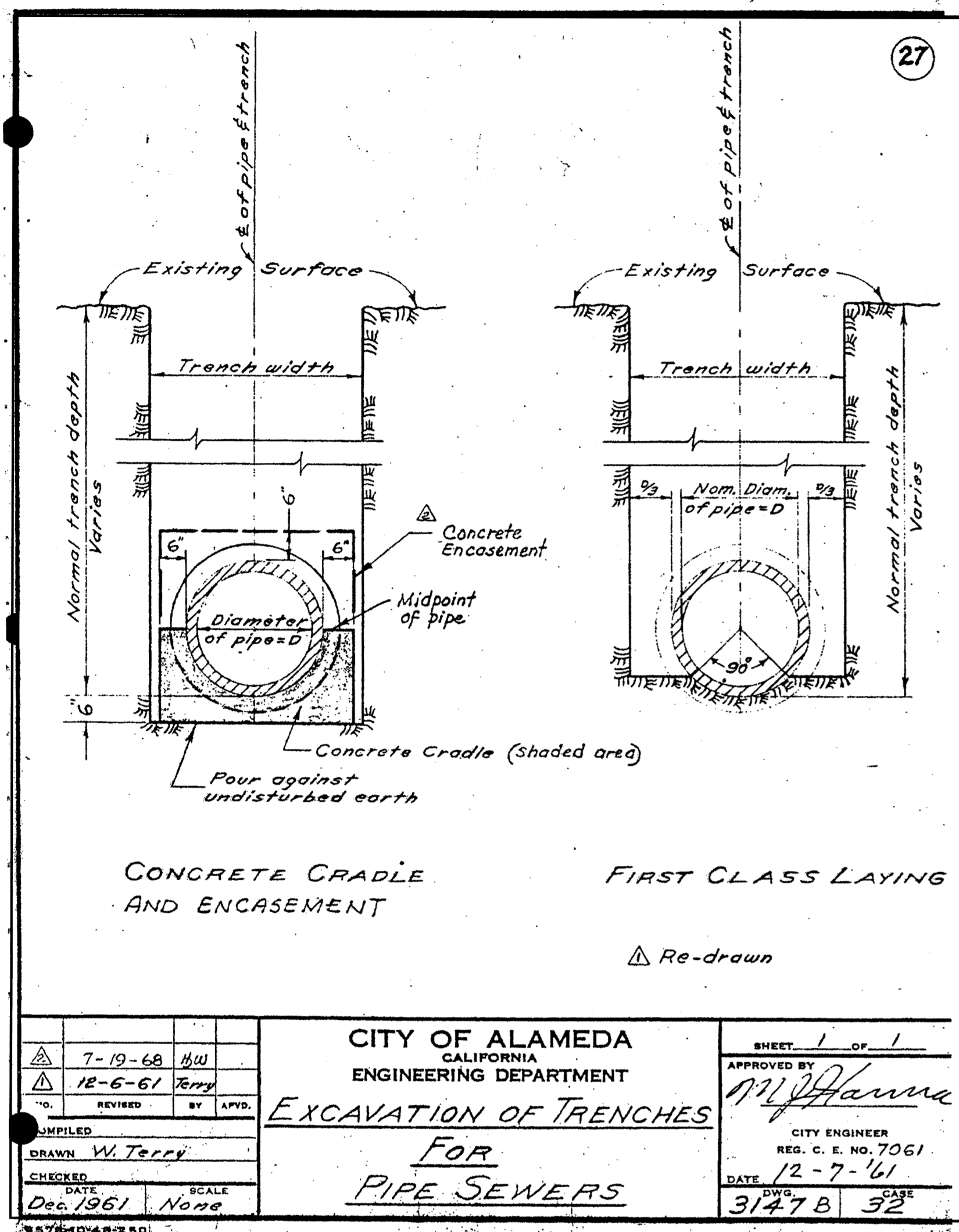
ADDITIONAL NOTES CONT.

58. THE CONTRACTOR SHALL POTHOLE CROSSING AND CONNECTING UTILITIES AS NEEDED FOR PIPE BURSTING TRENCHLESS WORK OR OPEN TRENCH WORK BEFORE STARTING CONSTRUCTION AND PROVIDE ELEVATIONS OF TOP OF PIPE, SIZE OF PIPE, AND INVERT OF PIPE TO THE ENGINEER. IT IS THE CONTRACTORS RESPONSIBILITY TO DETERMINE WHICH UTILITY CROSSING SHOULD BE POTHOLED. ANY UTILITY CROSSING DAMAGED AS A RESULT OF PIPE BURSTING OR OPEN TRENCHING SHALL BE REPAIRED AT THE CONTRACTOR'S COST. IF THE CONTRACTOR DETERMINES THAT THE EXISTING INVERTS ARE NOT IN CONFORMANCE WITH THE PLANS OR IF CROSSING CONFLICTS ARISE, HE OR SHE SHALL NOTIFY THE ENGINEER AND PUBLIC WORKS INSPECTOR BEFORE PERFORMING ANY WORK.
59. EQUIPMENT, AND STOCKPILES OF MATERIALS ARE NOT ALLOWED TO BE LEFT IN RIGHT-OF-WAY NOR ON PRIVATE PROPERTY UNLESS APPROVED. PILES OR DIRT BACKFILL MATERIAL TO BE COVERED WITH PLASTIC TARP.
60. ANY EXISTING IMPROVEMENTS DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED AND/OR REPLACED BY THE CONTRACTOR AT HIS/HER EXPENSE TO THE SATISFACTION OF THE CITY ENGINEER. PAVEMENT REPAIR, RECONSTRUCTION, OR FULL ASPHALT CONCRETE OVERLAY WILL BE REQUIRED BY THE ENGINEER FOR PAVEMENT DAMAGED DURING CONSTRUCTION.
61. LATERALS ARE NOT SHOWN ON PLANS. THE CONTRACTOR SHALL FIND AND REPLACE ALL ACTIVE LATERALS.

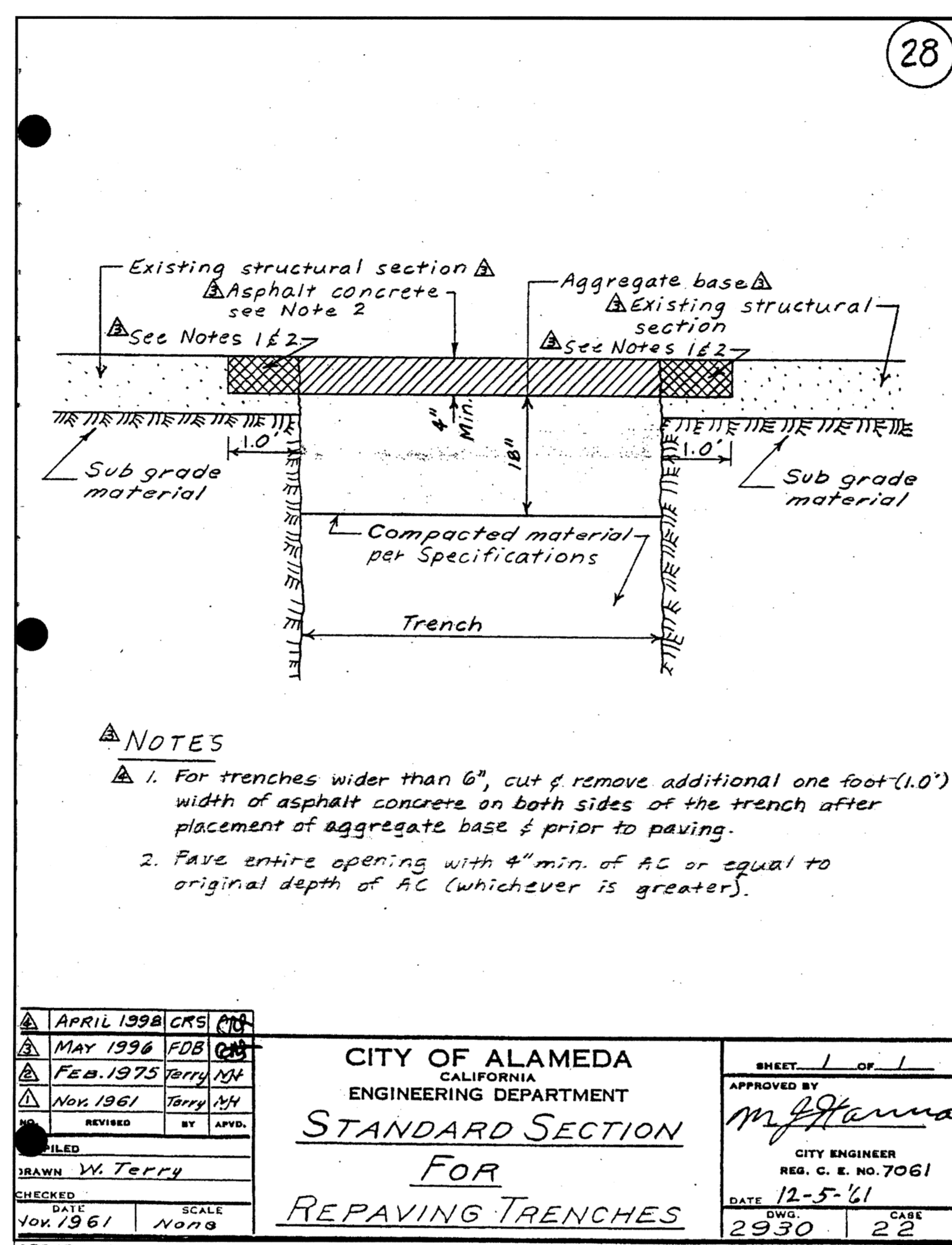
NOTES

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PROJECT, PHASE 15	DATE 6/29/2018	SHEET 2 OF 39																								
9412	35	CASE																								
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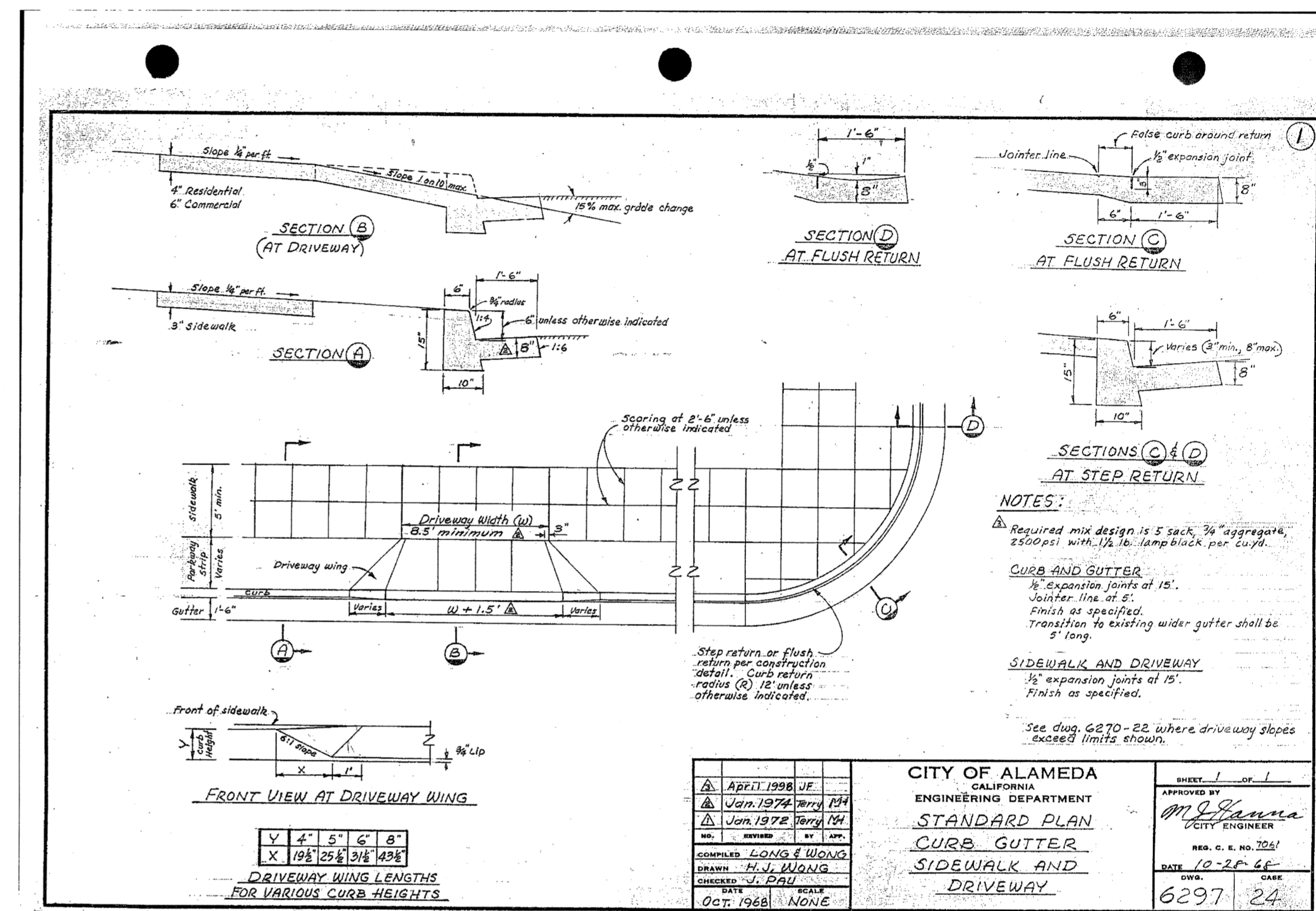




TYPICAL TRENCH SECTION 1
N.T.S. 3



TRENCH PAVING DETAIL 2
N.T.S. 3



SURFACE RESTORATION DETAILS 3
N.T.S. 3

CITY OF ALAMEDA
CALIFORNIA
ENGINEERING DEPARTMENT
EXCAVATION OF TRENCHES
FOR
PIPE SEWERS
APPROVED BY
M. J. Hanna
CITY ENGINEER
REG. C. E. NO. 7061
DATE 12-7-61
DWG. 3147 B CASE 32

CITY OF ALAMEDA
CALIFORNIA
ENGINEERING DEPARTMENT
STANDARD SECTION
FOR
REPAVING TRENCHES
APPROVED BY
M. J. Hanna
CITY ENGINEER
REG. C. E. NO. 7061
DATE 12-5-61
DWG. 2930 CASE 22

CITY OF ALAMEDA
CALIFORNIA
ENGINEERING DEPARTMENT
STANDARD PLAN
CURB GUTTER
SIDEWALK AND
DRIVEWAY
APPROVED BY
M. J. Hanna
CITY ENGINEER
REG. C. E. NO. 7061
DATE 10-24-61
DWG. 6297 CASE 24

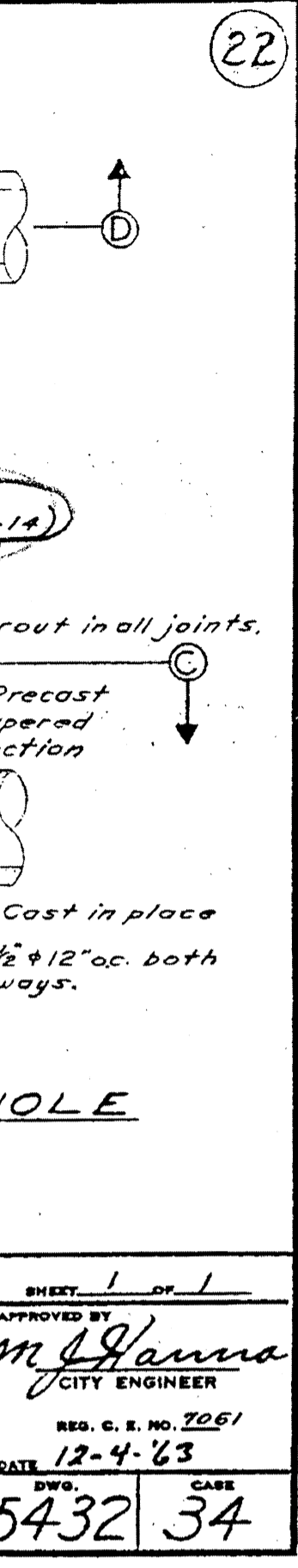
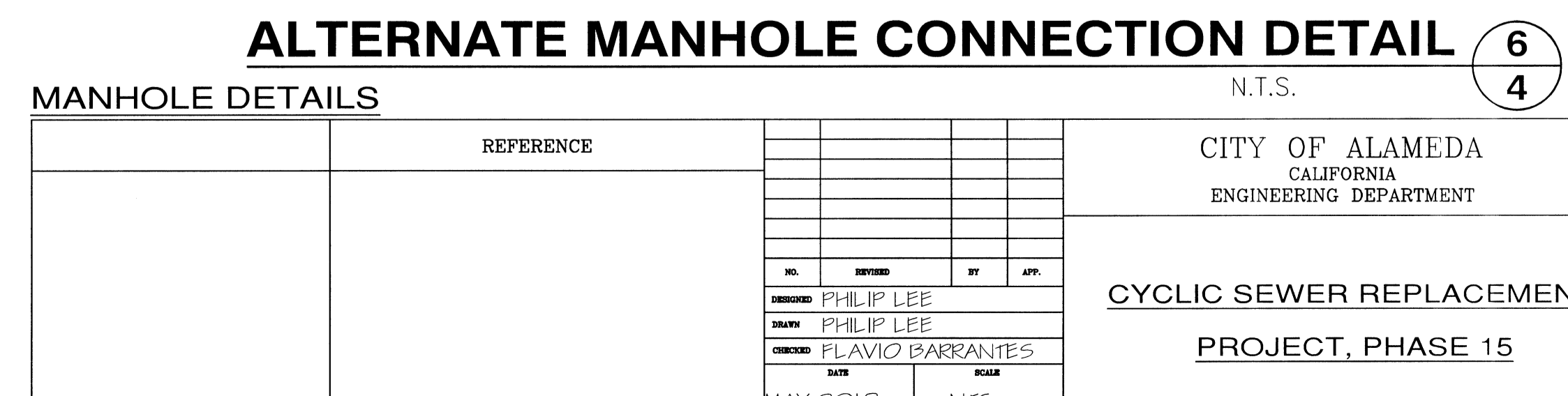
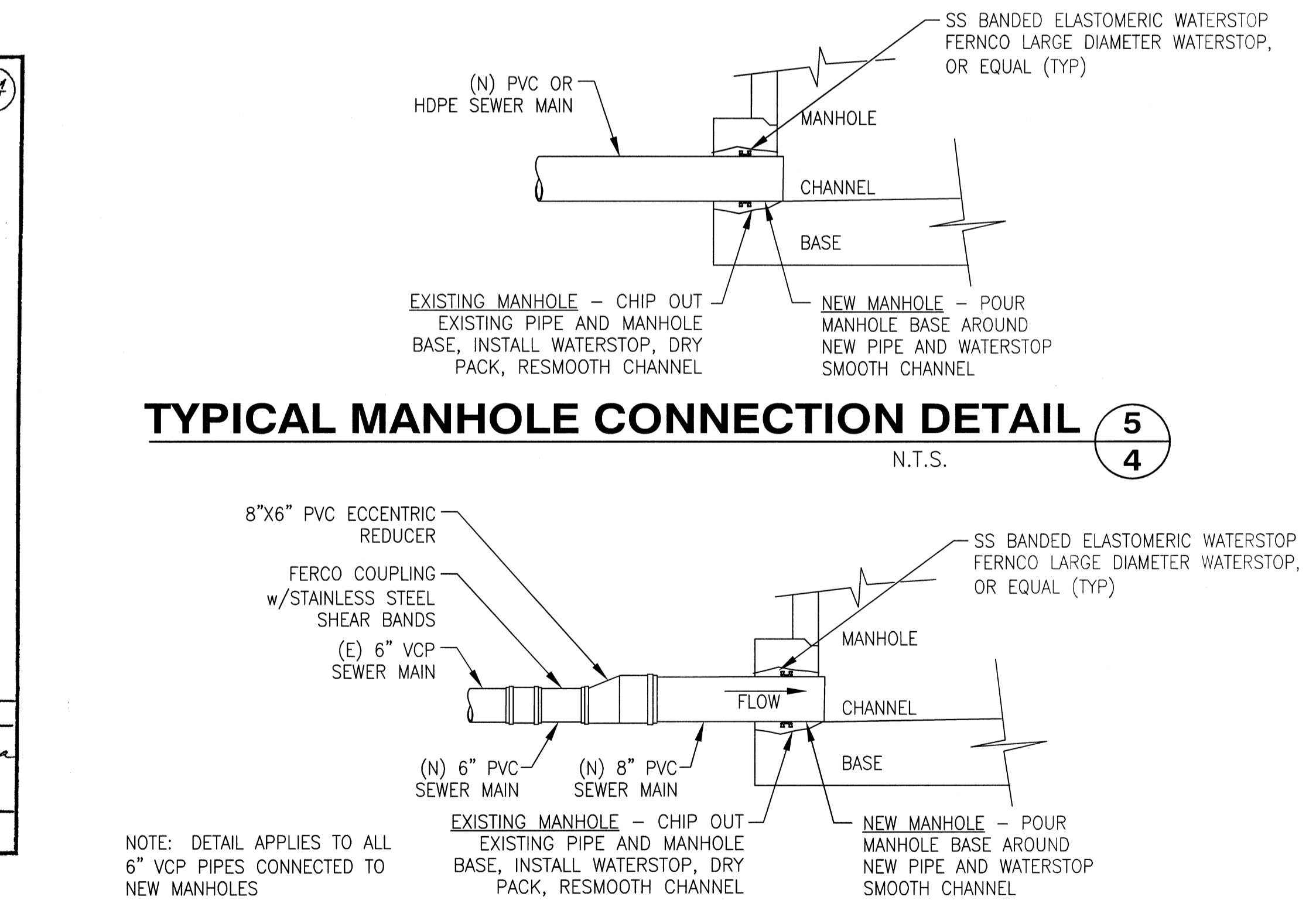
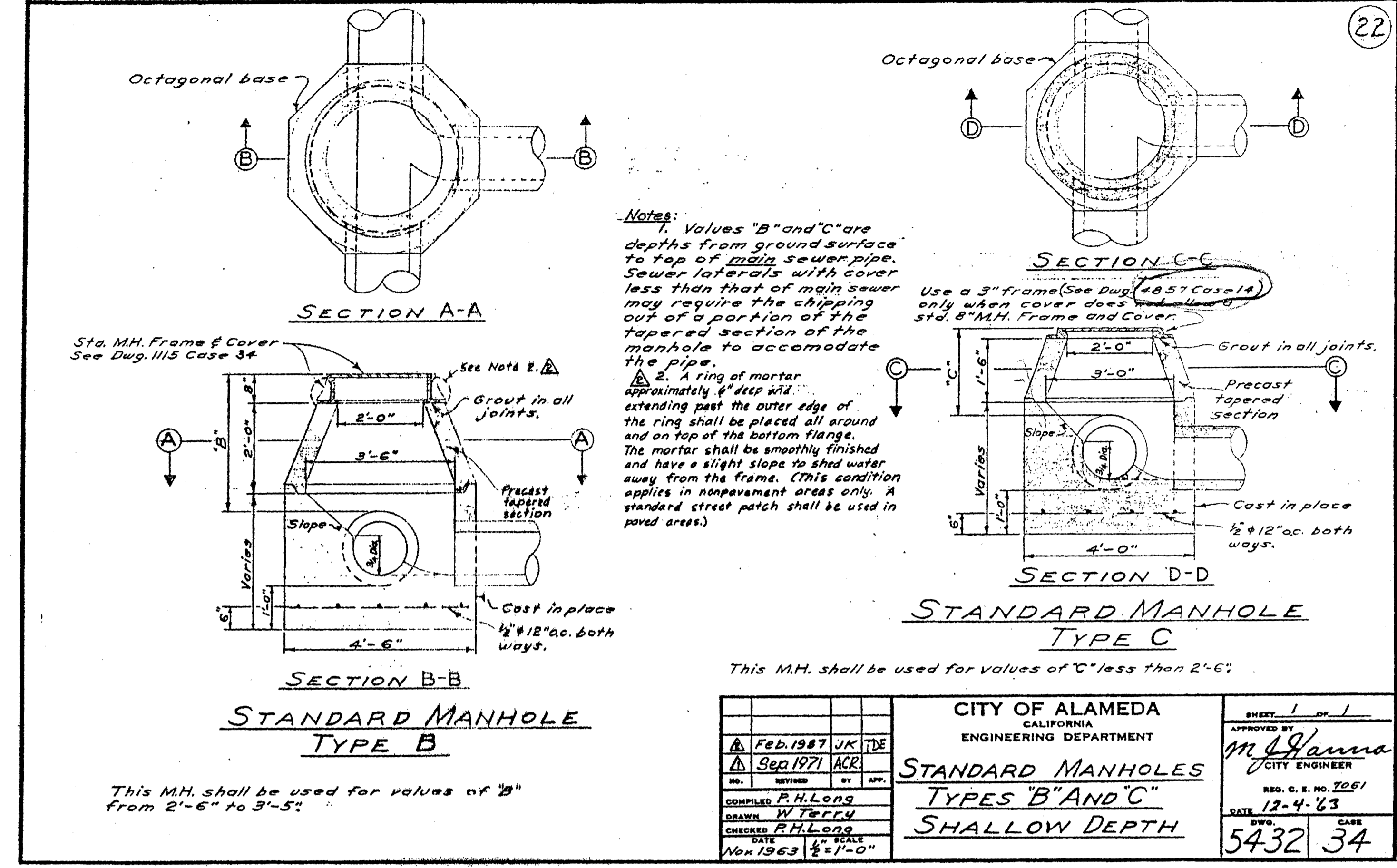
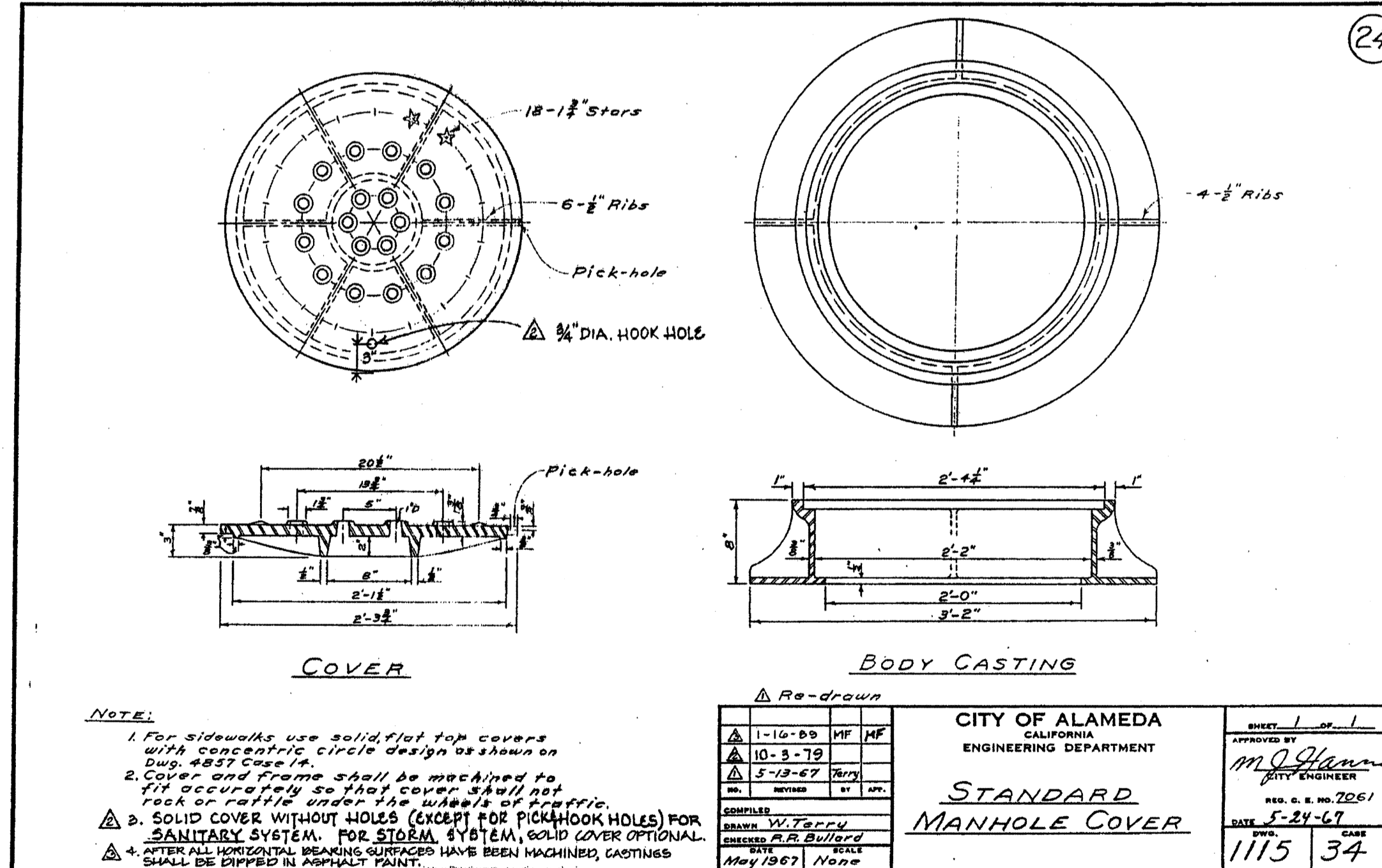
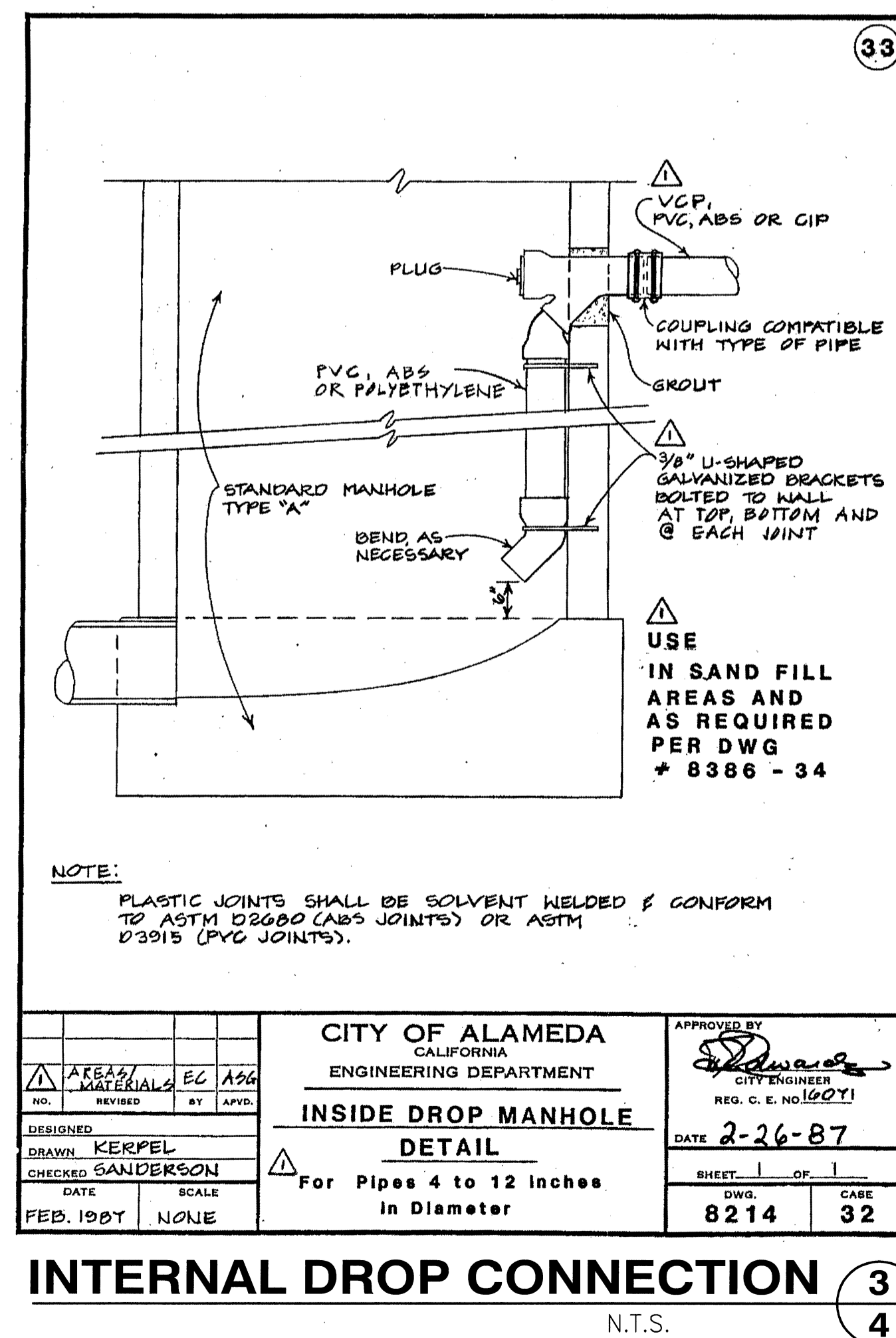
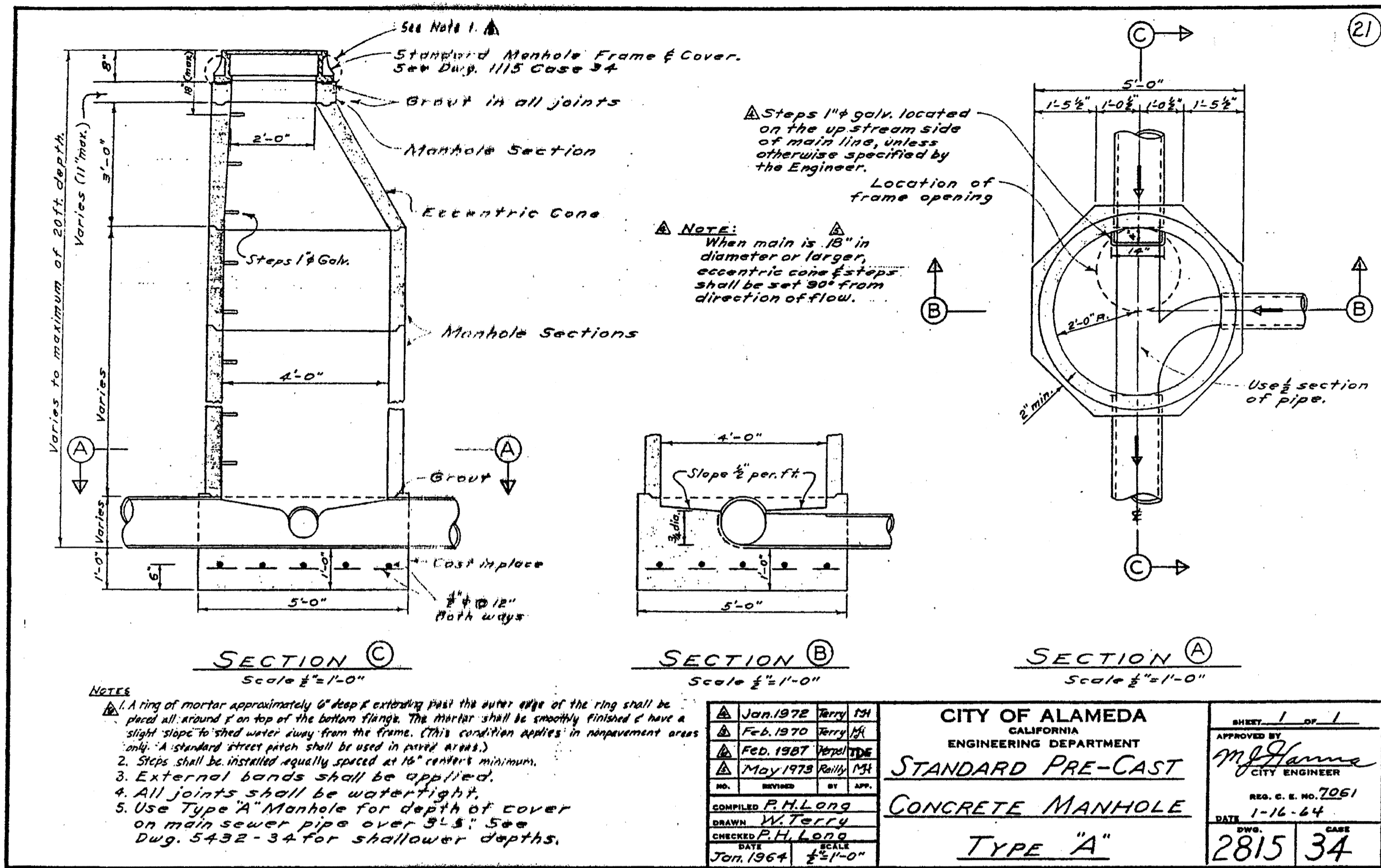
SURFACE DETAILS

NO.	REVISED	BY	APP.
RECORDED	PHILIP LEE		
DRAWN	PHILIP LEE		
CHECKED	FLAVIO BARRANTES		
DATE	MAY 2018	SCALE	

REFERENCE	

CITY OF ALAMEDA CALIFORNIA ENGINEERING DEPARTMENT		APPROVED BY <i>Scott Wikstrom</i> CITY ENGINEER
CYCLIC SEWER REPLACEMENT PROJECT, PHASE 15		DATE 6/24/2018
		SHEET 3 OF 39
		CASE 9412 35

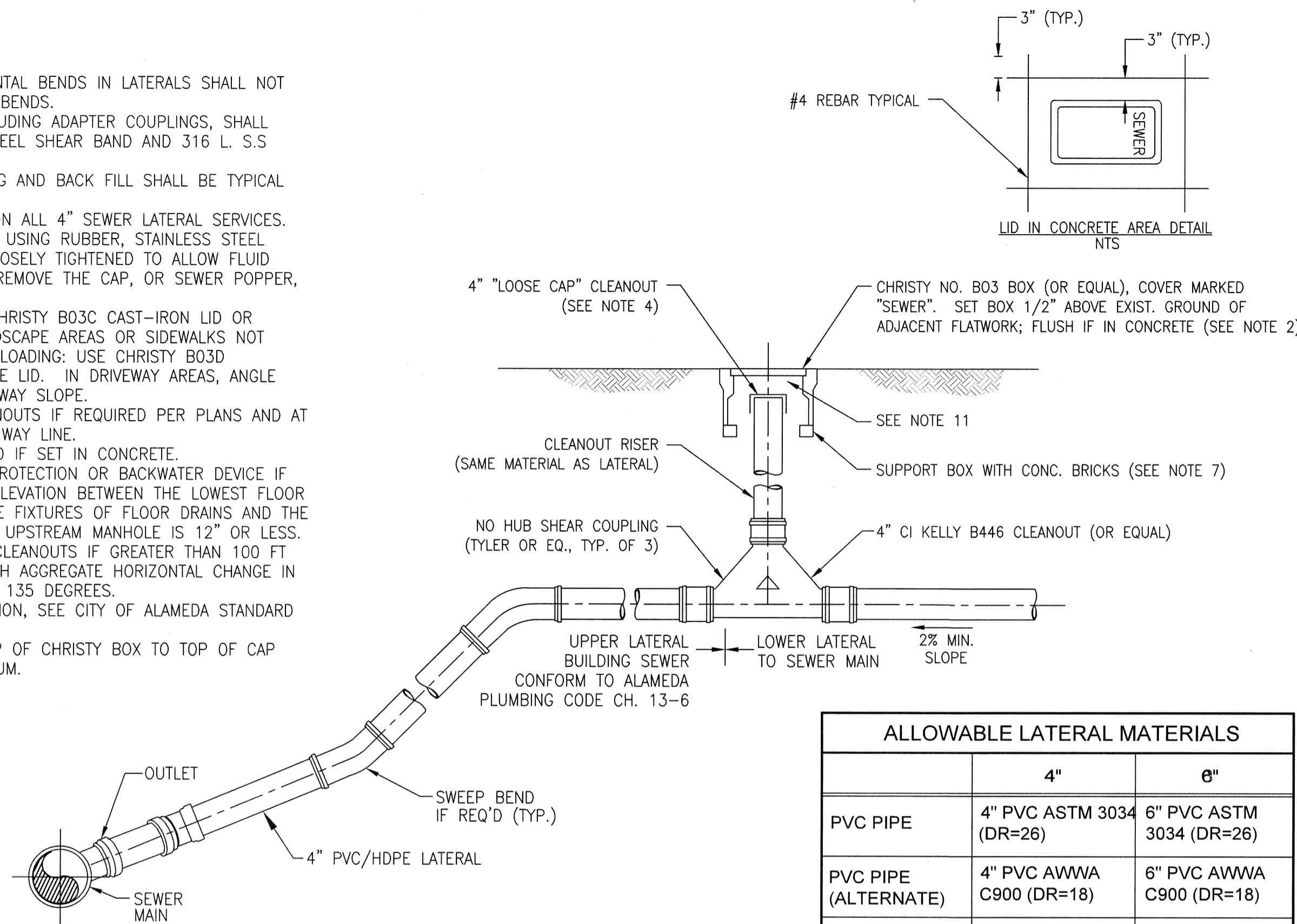




CITY OF ALAMEDA CALIFORNIA ENGINEERING DEPARTMENT		APPROVED BY <i>Philip Lee</i> CITY ENGINEER
PROJECT, PHASE 15		DATE 4/29/2018
CYCLIC SEWER REPLACEMENT		SHEET 4 OF 39
9412	8214	32
9412	8214	35

4" LATERAL NOTES

- VERTICAL OR HORIZONTAL BENDS IN LATERALS SHALL NOT EXCEED 22½° SWEEP BENDS.
- ALL COUPLINGS, INCLUDING ADAPTER COUPLINGS, SHALL HAVE A STAINLESS STEEL SHEAR BAND AND 316 L. S.S. BAND CLAMPS
- LATERAL PIPE BEDDING AND BACK FILL SHALL BE TYPICAL TRENCH SECTION.
- INSTALL CLEANOUTS ON ALL 4" SEWER LATERAL SERVICES. INSTALL "LOOSE CAP" USING RUBBER, STAINLESS STEEL BANDED END CAP, LOOSELY TIGHTENED TO ALLOW FLUID BACK PRESSURE TO REMOVE THE CAP, OR SEWER POPPER, OR SIMILAR.
- IN DRIVEWAYS: USE CHRISTY B03C CAST-IRON LID OR EQUAL; IN LAWN/LANDSCAPE AREAS OR SIDEWALKS NOT SUBJECT TO TRAFFIC LOADING: USE CHRISTY B03D REINFORCED CONCRETE LID. IN DRIVEWAY AREAS, ANGLE BOX TO MATCH DRIVEWAY SLOPE.
- INSTALL 2-WAY CLEANOUTS IF REQUIRED PER PLANS AND AT PROPERTY/RIGHT-OF-WAY LINE.
- SUPPORT NOT NEEDED IF SET IN CONCRETE.
- PROVIDE OVERFLOW PROTECTION OR BACKWATER DEVICE IF THE DIFFERENCE IN ELEVATION BETWEEN THE LOWEST FLOOR WITH PLUMBING WASTE FIXTURES OF FLOOR DRAINS AND THE RIM OF THE NEAREST UPSTREAM MANHOLE IS 12" OR LESS.
- PROVIDE ADDITIONAL CLEANOUTS IF GREATER THAN 100 FT SPACING OR FOR EACH AGGREGATE HORIZONTAL CHANGE IN DIRECTION EXCEEDING 135 DEGREES.
- FOR CLEANOUT LOCATION, SEE CITY OF ALAMEDA STANDARD DETAIL SS-1 PAGE 2.
- CLEARANCE FROM TOP OF CHRISTY BOX TO TOP OF CAP SHALL BE 3.5" MINIMUM.

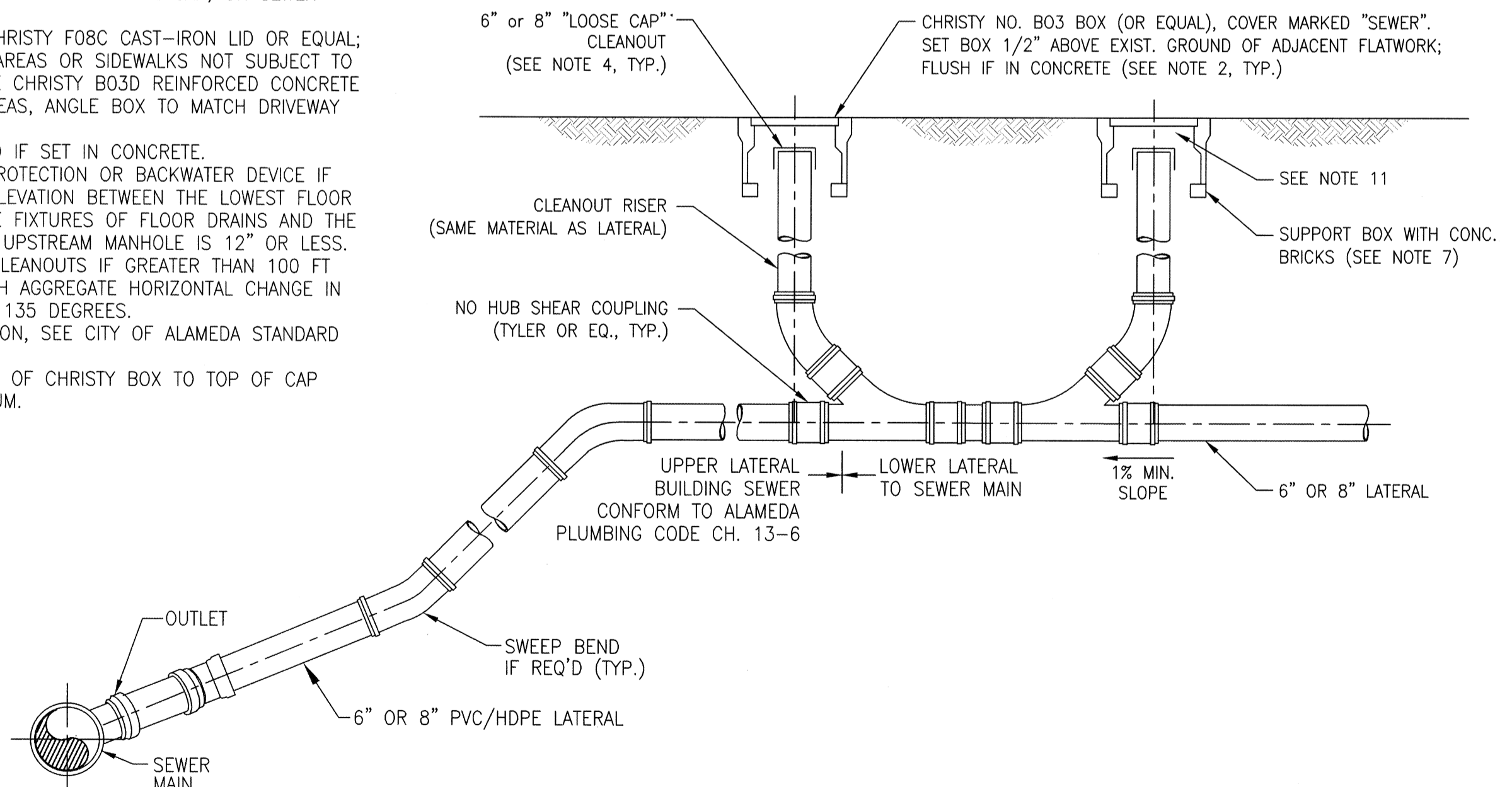


	4"	8"
PVC PIPE	4" PVC ASTM 3034 (DR=26)	6" PVC ASTM 3034 (DR=26)
PVC PIPE (ALTERNATE)	4" PVC AWWA C900 (DR=18)	6" PVC AWWA C900 (DR=18)
HDPE PIPE	4.5" OD HDPE (DR=17)	6.63" OD HDPE (DR=17)

4 INCH LATERAL REPLACEMENT DETAIL 1
N.T.S. **5**

6" AND 8" LATERAL NOTES

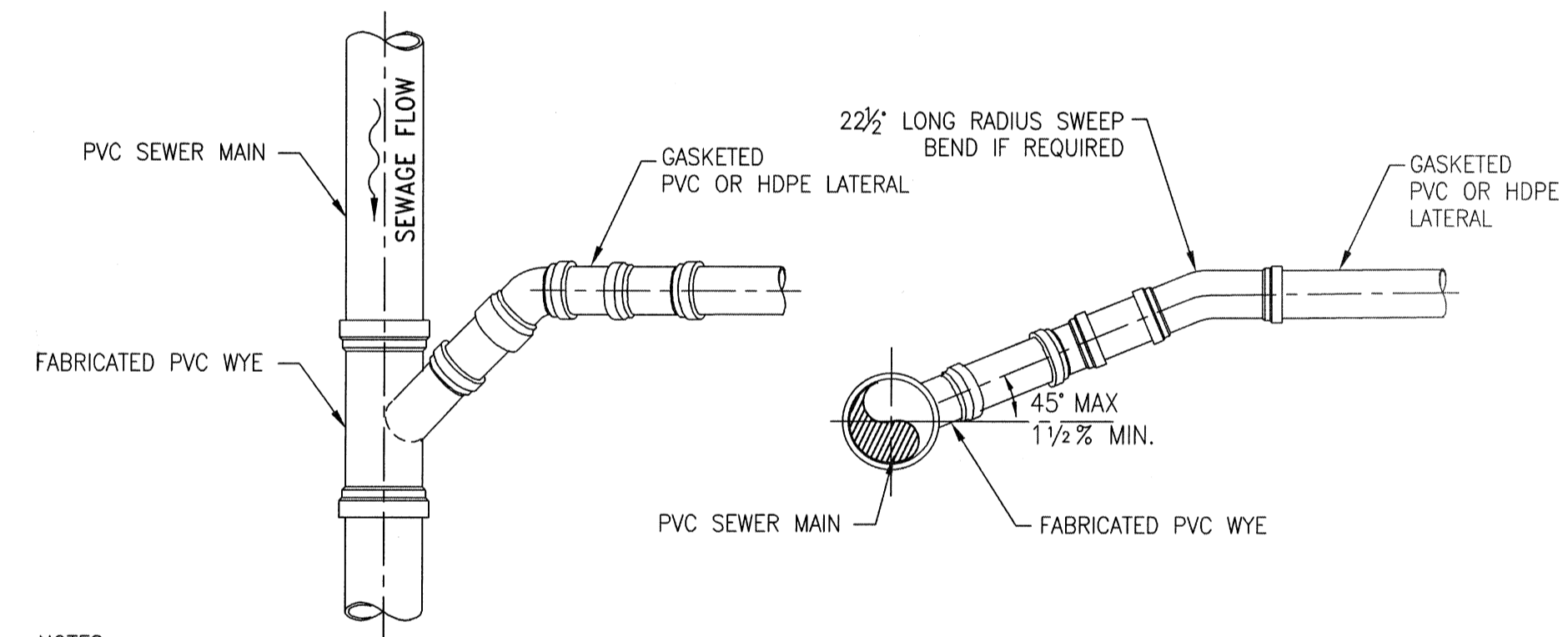
- VERTICAL OR HORIZONTAL BENDS IN LATERALS SHALL NOT EXCEED 22½° SWEEP BENDS.
- ALL COUPLINGS, INCLUDING ADAPTER COUPLINGS, SHALL HAVE A STAINLESS STEEL SHEAR BAND AND 316 L. S.S. BAND CLAMPS
- LATERAL PIPE BEDDING AND BACK FILL SHALL BE TYPICAL TRENCH SECTION.
- INSTALL CLEANOUTS ON ALL 6" AND 8" SEWER LATERAL SERVICES. INSTALL "LOOSE CAP" USING RUBBER, STAINLESS STEEL BANDED END CAP, LOOSELY TIGHTENED TO ALLOW FLUID BACK PRESSURE TO REMOVE THE CAP, OR SEWER POPPER, OR SIMILAR.
- IN DRIVEWAYS: USE CHRISTY F08C CAST-IRON LID OR EQUAL; IN LAWN/LANDSCAPE AREAS OR SIDEWALKS NOT SUBJECT TO TRAFFIC LOADING: USE CHRISTY B03D REINFORCED CONCRETE LID. IN DRIVEWAY AREAS, ANGLE BOX TO MATCH DRIVEWAY SLOPE.
- SUPPORT NOT NEEDED IF SET IN CONCRETE.
- PROVIDE OVERFLOW PROTECTION OR BACKWATER DEVICE IF THE DIFFERENCE IN ELEVATION BETWEEN THE LOWEST FLOOR WITH PLUMBING WASTE FIXTURES OF FLOOR DRAINS AND THE RIM OF THE NEAREST UPSTREAM MANHOLE IS 12" OR LESS.
- PROVIDE ADDITIONAL CLEANOUTS IF GREATER THAN 100 FT SPACING OR FOR EACH AGGREGATE HORIZONTAL CHANGE IN DIRECTION EXCEEDING 135 DEGREES.
- FOR CLEANOUT LOCATION, SEE CITY OF ALAMEDA STANDARD DETAIL SS-2 PAGE 2.
- CLEARANCE FROM TOP OF CHRISTY BOX TO TOP OF CAP SHALL BE 3.5" MINIMUM.



6 OR 8 INCH LATERAL REPLACEMENT DETAIL 2
N.T.S. **5**

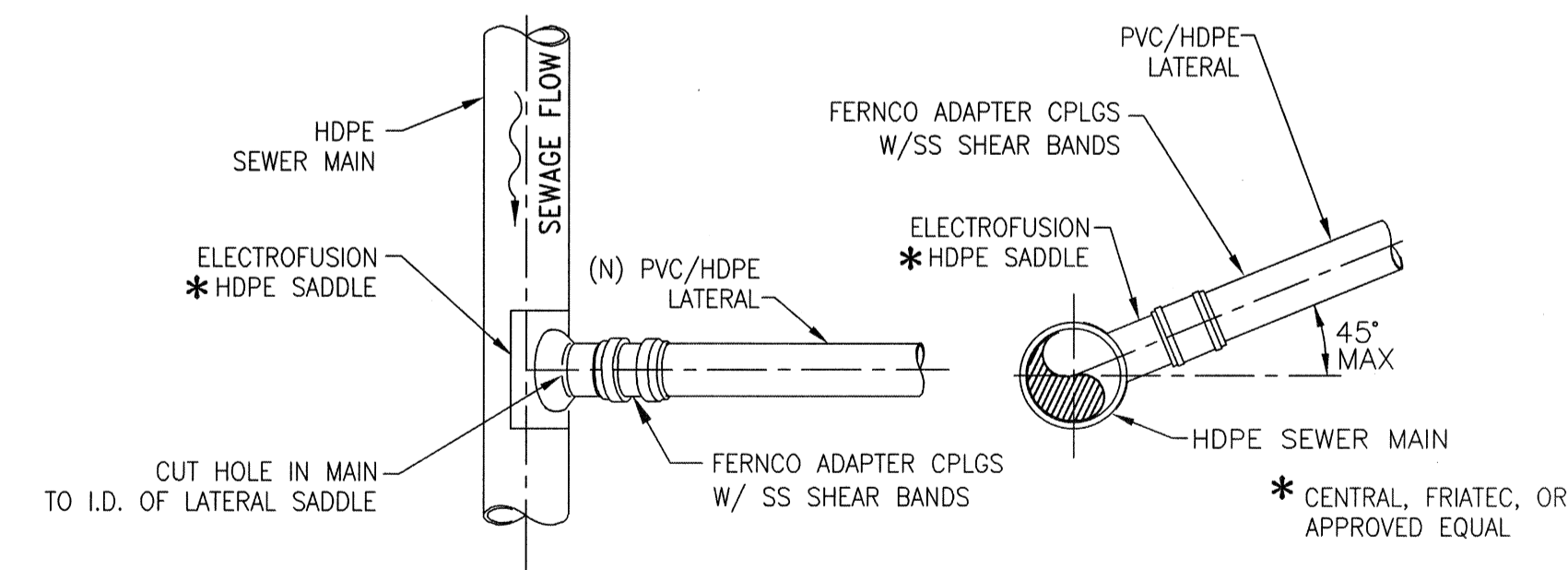
SEWER LATERAL REHABILITATION REQUIREMENTS

- GENERAL** - UNLESS OTHERWISE INDICATED ON PLANS, THE CONTRACTOR SHALL REPLACE ALL SEWER LATERALS, INCLUDING CONSTRUCTION OF CLEANOUTS AND CONNECTING TO THE EXISTING PRIVATE BUILDING LATERAL. THE CONTRACTOR SHALL CONDUCT HIS WORK SO AS TO MINIMIZE DISRUPTION TO EXISTING IMPROVEMENTS AND LANDSCAPING. ALL IMPROVEMENTS AND LANDSCAPING WHICH ARE DAMAGED AS A RESULT OF THE WORK SHALL BE REPLACED IN KIND.
- LOCATION OF LATERALS** - THE LOCATION OF LATERALS ARE NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL PHYSICALLY LOCATE ALL LATERALS AND DETERMINE IF THE LATERAL IS ACTIVE.
- SIZE OF LATERALS** - THE SIZE OF NEW LATERALS SHALL MATCH THE EXISTING LATERAL UNLESS OTHERWISE SHOWN ON PLANS.
- INACTIVE LATERALS** - THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING IF AN EXISTING LOWER LATERAL IS INACTIVE. AN INACTIVE LOWER LATERAL DOES NOT CONNECT TO AN UPPER LATERAL SERVING A BUILDING. INACTIVE LOWER LATERALS SHALL NOT BE RECONNECTED TO THE NEW SEWER MAIN AND SHALL BE REMOVED COMPLETELY AT LEAST TWO FEET (2') FROM THE NEW SEWER MAIN. THE REMOVED SECTION OF INACTIVE LOWER LATERAL SHALL BE DISPOSED OF BY THE CONTRACTOR AND THE REMAINING PORTION OF THE INACTIVE LOWER LATERAL SHALL BE PLUGGED WITH CLASS C GROUT.
- UTILITY CONFLICTS** - IF LATERALS ARE IN CLOSE PROXIMITY TO OR UNDER OTHER UTILITY SERVICES, THE DISTRICT MAY DIRECT THE CONTRACTOR TO INSTALL THE NEW LATERAL AT LEAST 5' AWAY FROM THE UTILITY SERVICE AND MAKE AN OFFSET AT THE TIE IN TO THE EXISTING SEWER LATERAL.
- TIME FOR REPLACEMENT** - THE CONTRACTOR SHALL COMPLETE REPLACEMENT AND SITE RESTORATION WITHIN THREE CONSECUTIVE WORKING DAYS AFTER BEGINNING CONSTRUCTION ON THE LOWER LATERAL SO AS TO INCONVENIENCE RESIDENTS AS LITTLE AS POSSIBLE. SERVICE SHALL BE MAINTAINED AT ALL TIMES. NO TEMPORARY CONNECTIONS SHALL BE MADE WHICH ARE A HEALTH HAZARD. ALL CONNECTIONS SHALL BE MADE IN SUCH A MANNER THAT NO ROCK, SOIL, PIECE OF PIPE, OR OTHER DEBRIS IS ALLOWED TO ENTER THE SEWERAGE SYSTEM.
- EXCAVATION** - EXCAVATION SHALL BE SUPPORTED SO THAT IT WILL BE SAFE AND THE GROUND ALONGSIDE THE EXCAVATION WILL NOT SLIDE OR SETTLE. ALL EXISTING IMPROVEMENTS INCLUDING STRUCTURES, FENCES, WALLS, AND FOUNDATIONS WILL BE FULLY PROTECTED FROM DAMAGE. ANY DAMAGE TO THE EXISTING IMPROVEMENTS BEYOND THE TRENCH SHORING OR EXCAVATION LIMITS DUE SLIDING, CAVING, OR SETTLING OF GROUND OR BACKFILL, OR FROM CONSTRUCTION EQUIPMENT SHALL BE REPAIRED TO THE SATISFACTION OF THE PROPERTY OWNER AND THE CITY ENGINEER.
- RESTORATION OF SURFACE IMPROVEMENTS IN THE PUBLIC RIGHT OF WAY** - THE RESTORATION OF SIDEWALKS, DRIVEWAY APPROACHES, CURBS AND GUTTERS AND AC PAVEMENT WITHIN THE PUBLIC RIGHT OF WAY SHALL BE PAID FOR ON THE BASIS OF THE BID ITEMS THEREFOR. TUNNELING UNDER CURB AND/OR GUTTER OR SIDEWALK IS NOT PERMITTED.
- PIPEBURSTING** - WHERE A LATERAL IS PIPEBURST AN HDPE (DR=17) PIPE SHALL BE INSERTED THROUGH THE EXISTING LATERAL. ONLY THOSE EXISTING LATERALS WHICH ARE DETERMINED NOT TO HAVE SAGS OR BENDS ARE ELIGIBLE TO BE REHABILITATED BY PIPEBURSTING. ANY OBSTRUCTION, BLOCKAGE OR BEND ENCOUNTERED SHALL BE PHYSICALLY DUG UP AND REMOVED SO THE PIPEBURSTING CAN BE COMPLETED WITHOUT CHANGING PIPE MATERIAL. WHATEVER PORTION OF THE LATERAL CANNOT BE PIPEBURST SHALL BE REPLACED BY DIRECT BURIAL.
- PIPEBURSTING NEAR UTILITY CROSSINGS** - WHERE LATERALS PASS UNDER OR OVER UTILITIES THE CONTRACTOR SHALL EXPOSE THE LATERAL AND UTILITY CROSSING PRIOR TO PIPEBURSTING TO MAKE SURE THE UTILITY IS NOT DAMAGED.



- NOTES:
- FABRICATED PVC LATERAL WYES SHALL NOT HAVE INTERNAL RIBS.
 - USE STAINLESS STEEL SHEAR BANDED COUPLING WHEN CONNECTING AN EXISTING LATERAL

LATERAL CONNECTION - PVC SEWER MAIN 3
N.T.S. **5**



- NOTES:
- FOR LATERAL RECONNECTION ONLY, CONNECT EXISTING LATERAL TO ELECTROFUSION SADDLE WITH APPROX. 2 FT LONG PVC PIPE STUB AND STAINLESS STEEL SHEAR BANDED COUPLINGS.

LATERAL CONNECTION - HDPE SEWER MAIN 4
N.T.S. **5**

LATERAL DETAILS

NO.	REVISED	BY	APP.
DESIGNED			
DRAWN			
CHECKED			
DATE			

REFERENCE

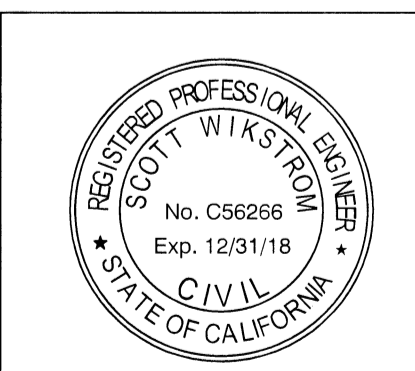
PHILIP LEE
PHILIP LEE
FLAVIO BARRANTES

MAY 2018

CITY OF ALAMEDA
CALIFORNIA
ENGINEERING DEPARTMENT

CYCLIC SEWER REPLACEMENT

PROJECT, PHASE 15



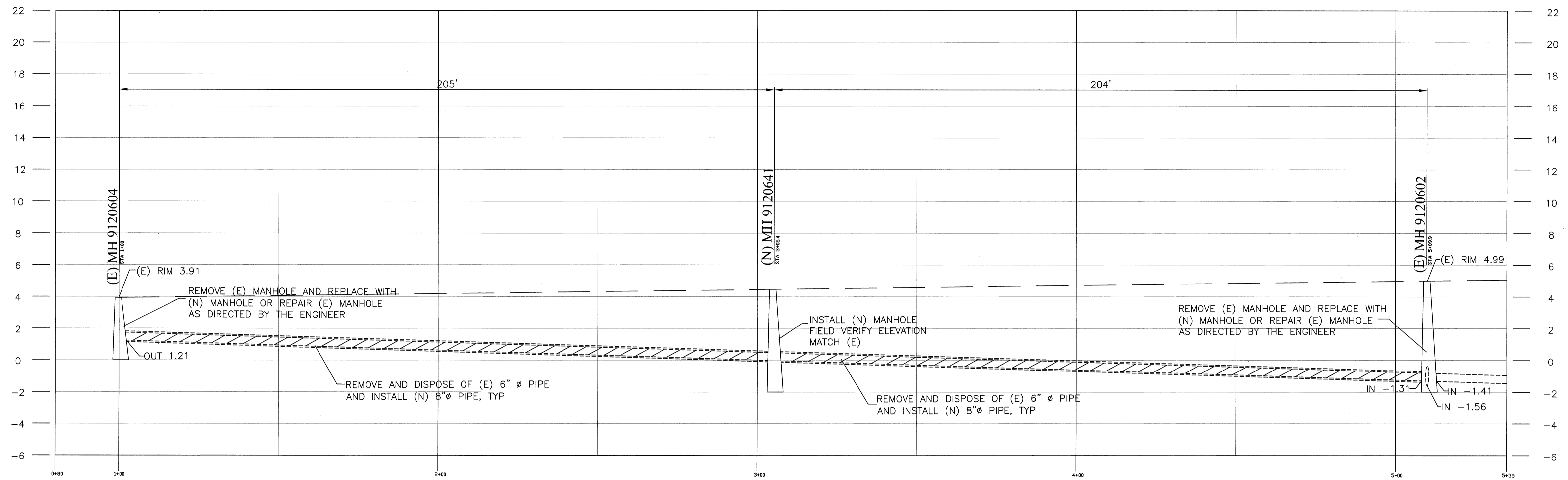
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DATE 6/29/2018

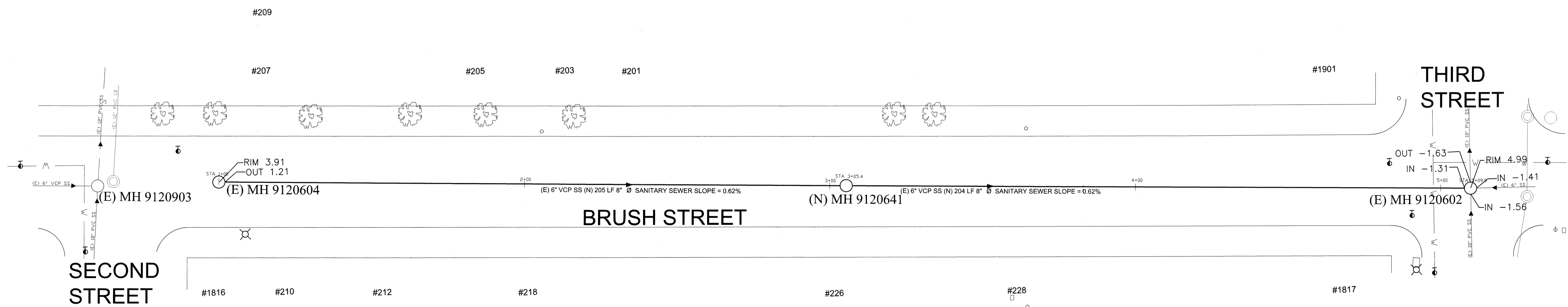
NO. 5 OF 39

DWG. NO. 9412

CAD. NO. 35



1 PROFILE - BRUSH STREET
6 SCALE: HORIZONTAL: 1"=20'-0"
VERTICAL 1"=4'-0"



2 PLAN - BRUSH STREET
6 SCALE: 1"=20'-0"

BRUSH STREET BETWEEN SECOND STREET AND THIRD STREET

NO.	REVISED	BY	APP.
DESIGNED	PHILIP LEE		
DRAWN	PHILIP LEE		
CHECKED	FLAVIO BARRANTES		
DATE	MAY 2018	SCALE	1"=20'

CITY OF ALAMEDA
CALIFORNIA
ENGINEERING DEPARTMENT

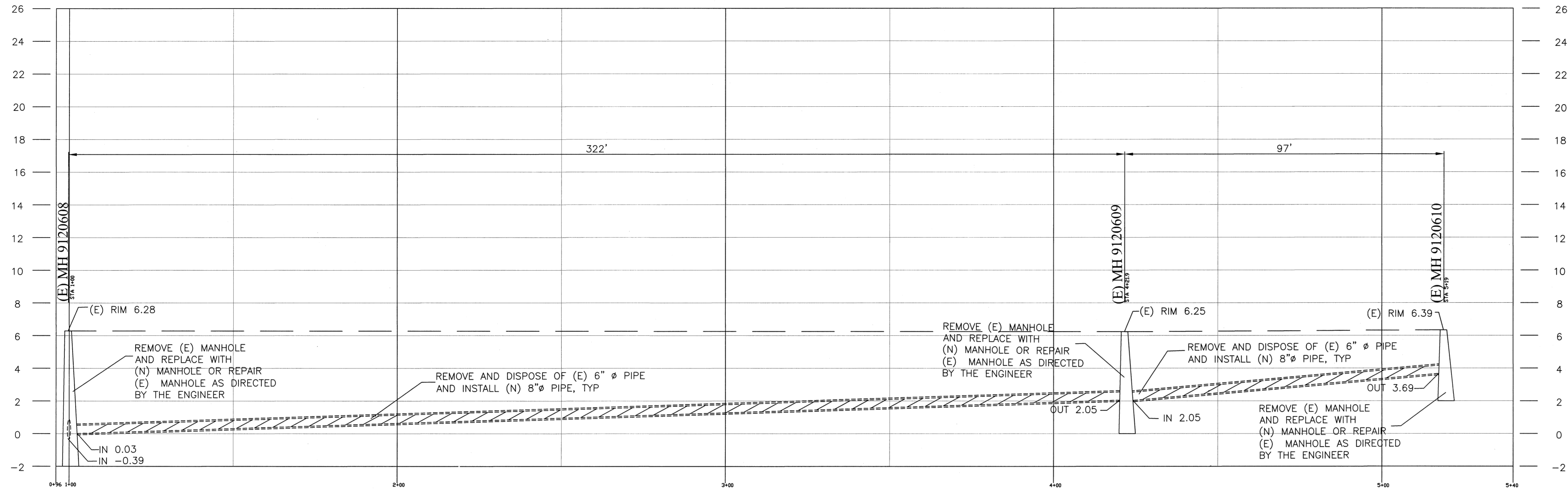
CYCLIC SEWER REPLACEMENT
PROJECT, PHASE 15



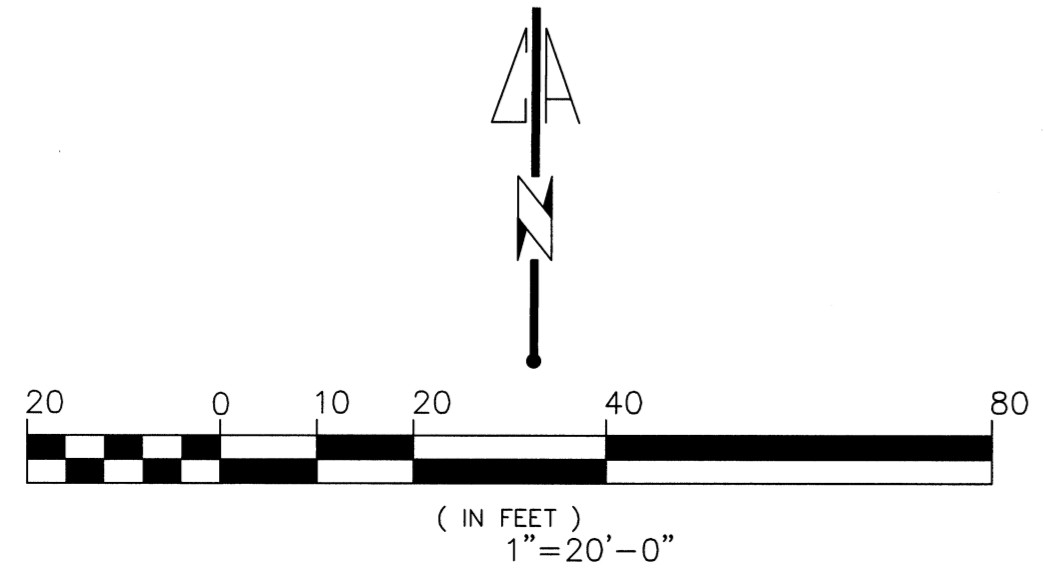
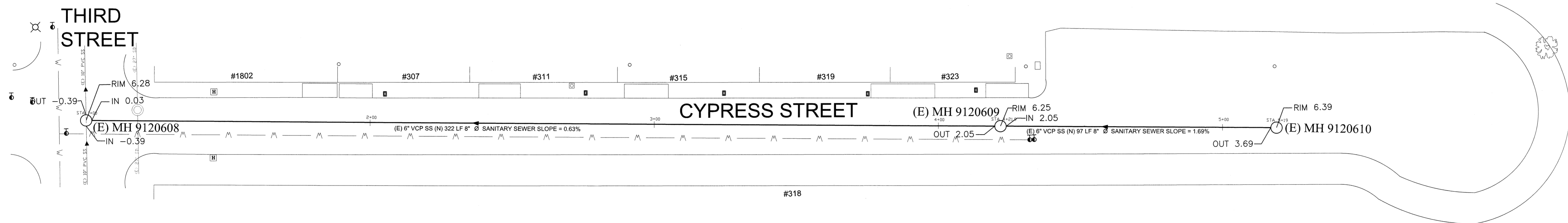
APPROVED BY
[Signature]
CITY ENGINEER

DATE: 6/29/2018

SHEET 6 OF 39
DWC CASE
9412 35



1 PROFILE - CYPRESS STREET
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 VERTICAL 1"=4'-0"

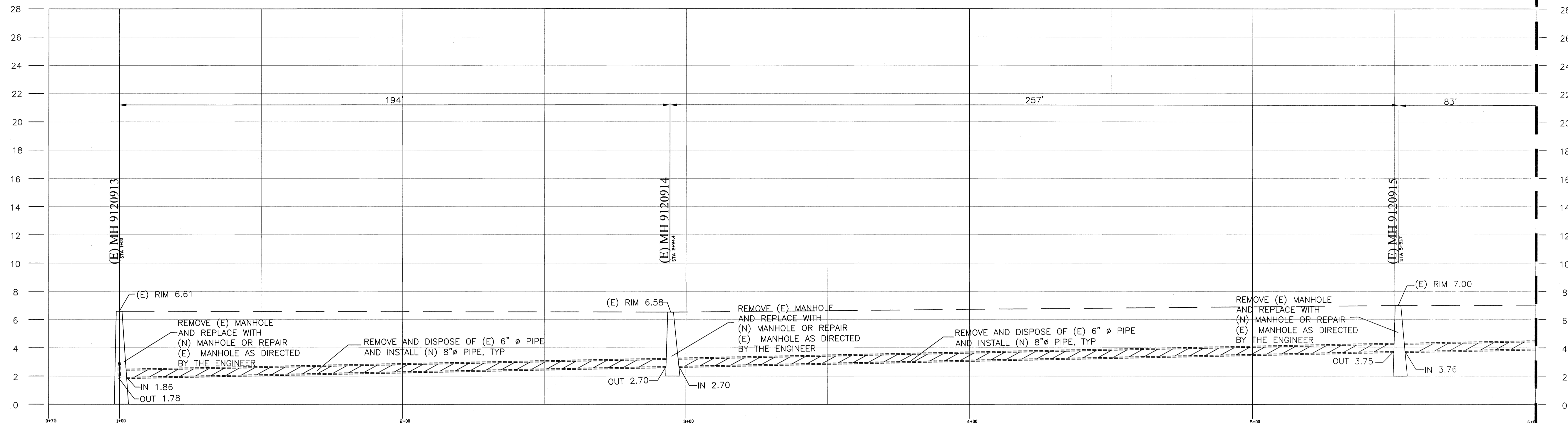


2 PLAN - CYPRESS STREET
 7 SCALE: 1"=20'-0"

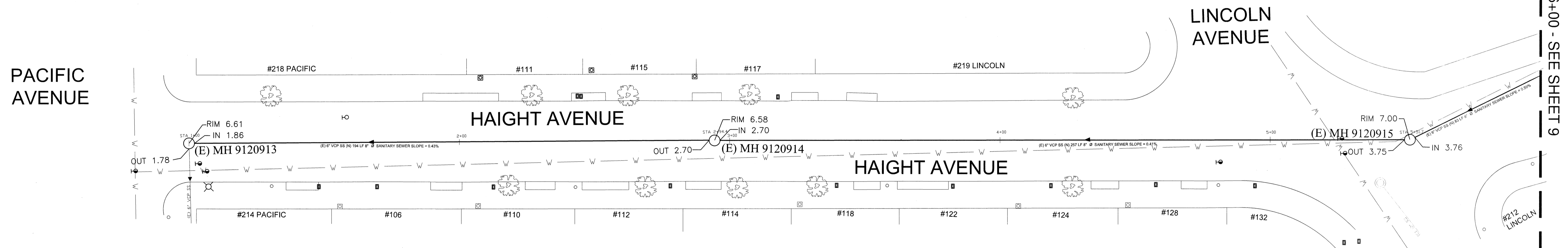
CYPRESS STREET BETWEEN THIRD STREET AND END

REFERENCE				CITY OF ALAMEDA CALIFORNIA ENGINEERING DEPARTMENT		APPROVED BY <i>[Signature]</i> CITY ENGINEER	
				CYCLIC SEWER REPLACEMENT		DATE 6/27/2018	
				PROJECT, PHASE 15		SHEET 7 OF 39	
						DWG. CASE	
						9412 35	

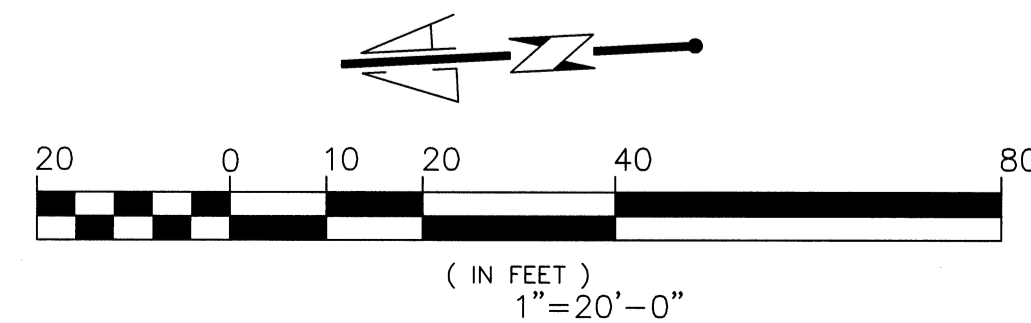




1 PROFILE - HAIGHT AVENUE
SCALE: HORIZONTAL: 1"=20'-0"
VERTICAL 1"=4'-0"



2 PLAN - HAIGHT AVENUE
SCALE: 1"=20'-0"

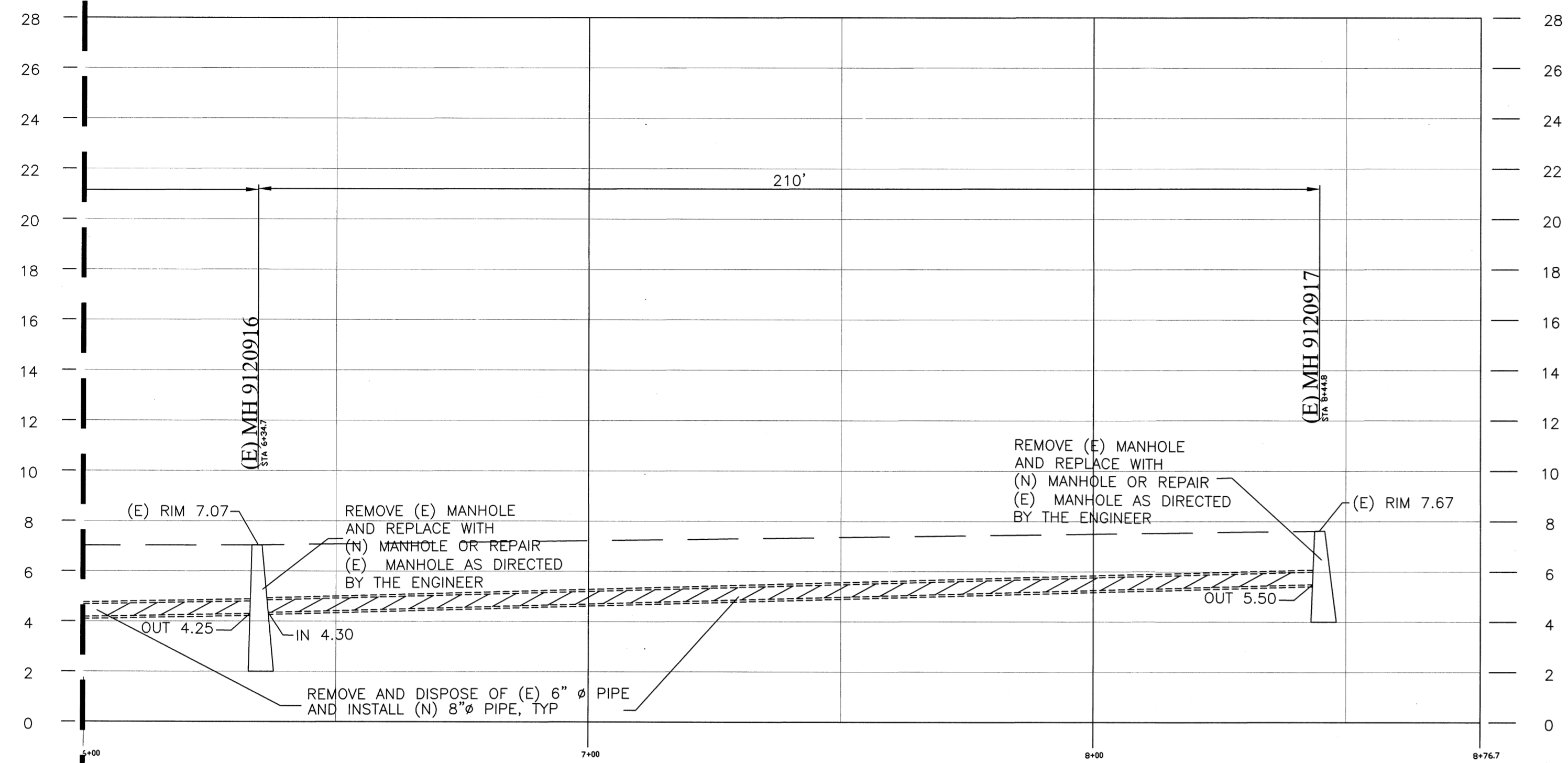


MATCH LINE STA 6+00 - SEE SHEET 9

HAIGHT AVENUE BETWEEN PACIFIC AVENUE AND LINCOLN AVENUE

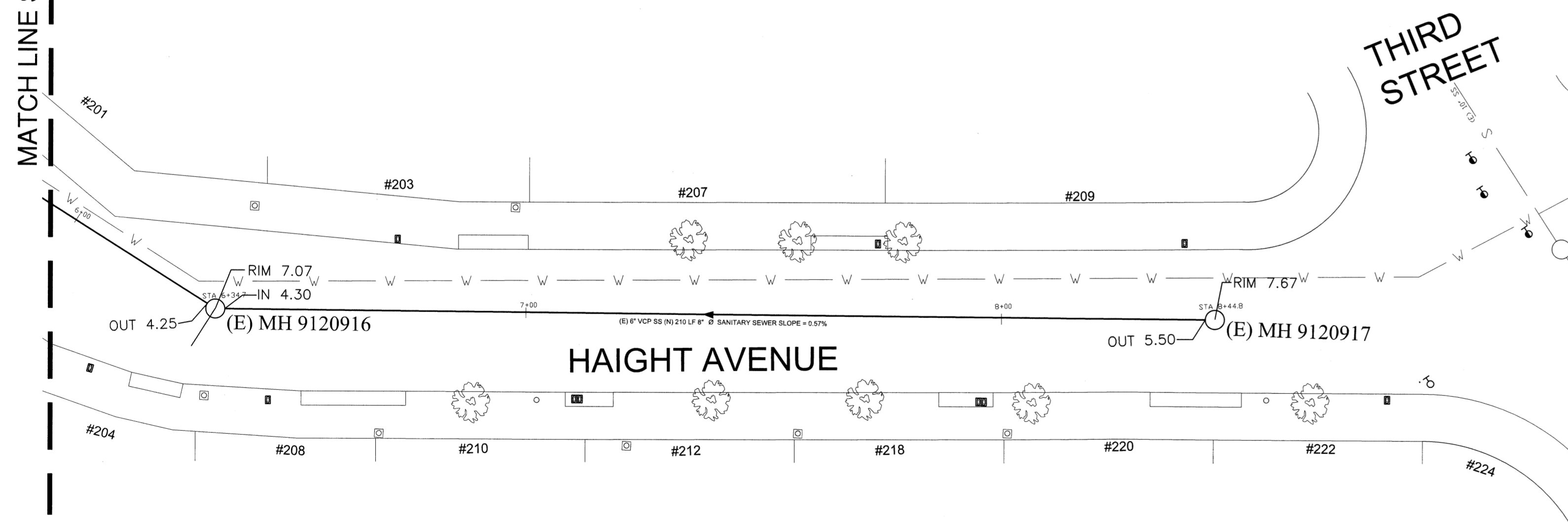
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	CYCLIC SEWER REPLACEMENT PROJECT, PHASE 15		
DESIGNED PHILIP LEE	CHECKED FLAVIO BARRANTES	DATE MAY 2018	SCALE 1"=20'
9412			39



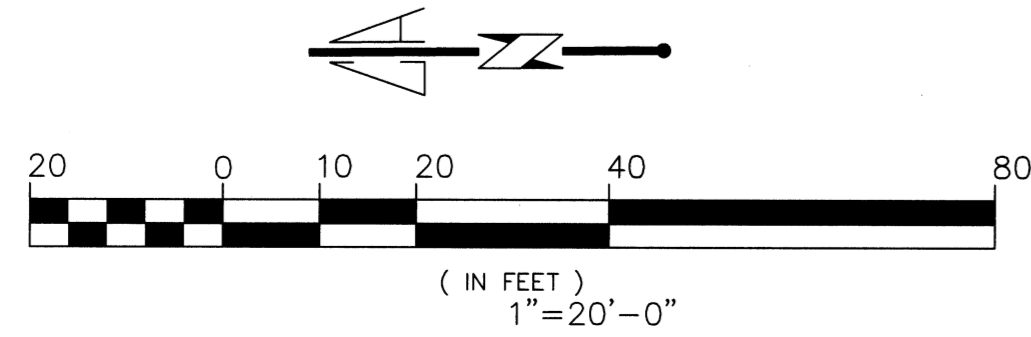


1 PROFILE - HAIGHT AVENUE
 9 SCALE: HORIZONTAL: 1"=20'-0"
 VERTICAL 1"=4'-0"

MATCH LINE STA 6+00 - SEE SHEET 8



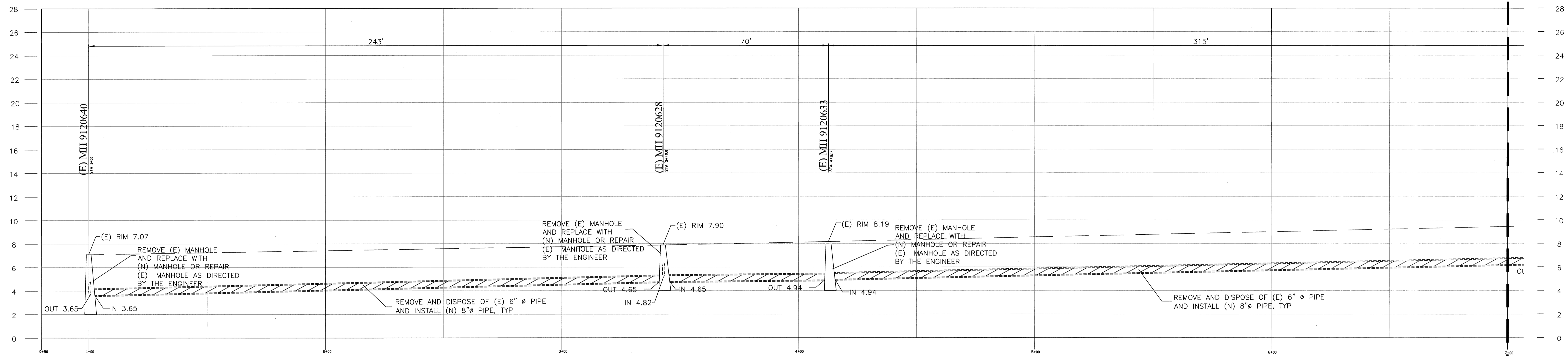
2 PLAN - HAIGHT AVENUE
 9 SCALE: 1"=20'-0"



HAIGHT AVENUE BETWEEN LINCOLN AVENUE AND THIRD STREET

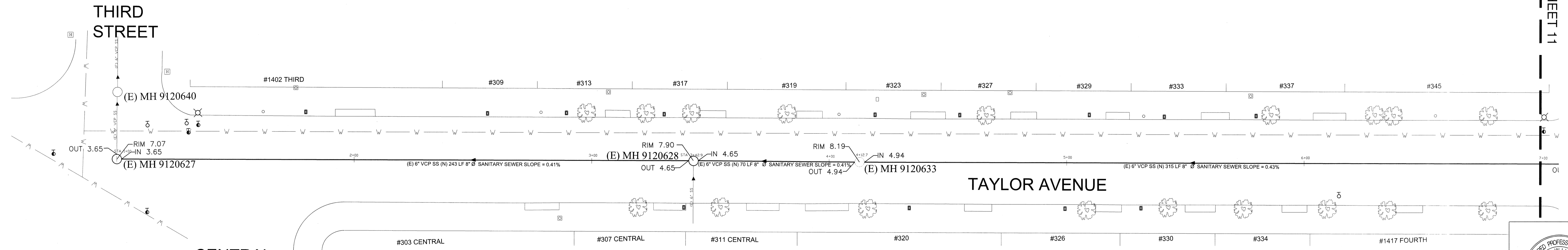
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	CYCLIC SEWER REPLACEMENT			
PROJECT, PHASE 15		NO. REVISED BY APP.		DATE 6/29/2018
SCALE 1"=20'		SHEET 9 OF 39		DWG. CASE
		9412		35



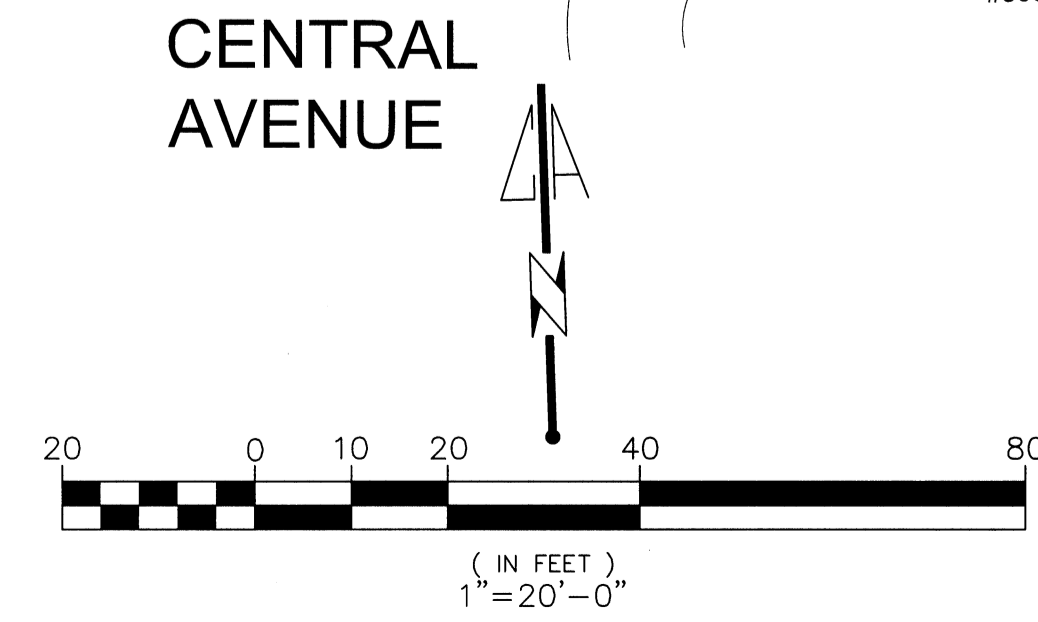


1 PROFILE - TAYLOR AVENUE
 10 SCALE: HORIZONTAL: 1"=20'-0"
 VERTICAL 1"=4'-0"

MATCH LINE STA 7+00 - SEE SHEET 11

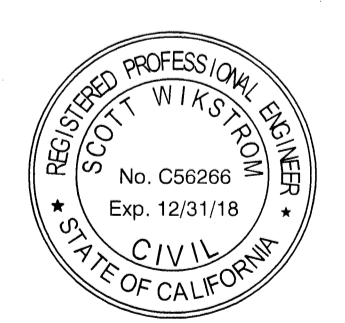


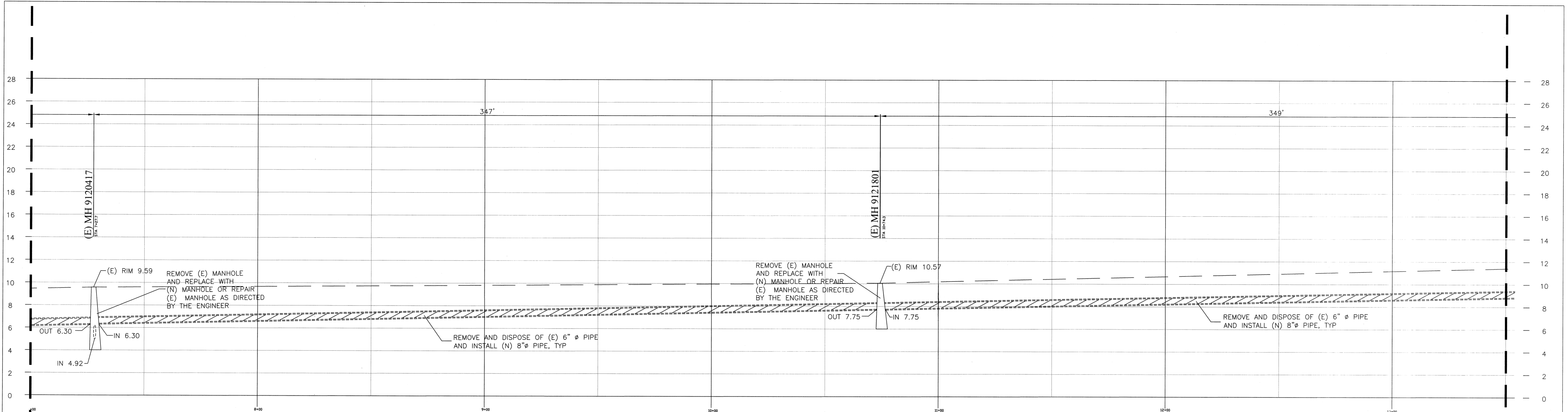
2 PLAN - TAYLOR AVENUE
 10 SCALE: 1"=20'-0"



TAYLOR AVENUE BETWEEN THIRD STREET AND FOURTH STREET

REFERENCE	CITY OF ALAMEDA CALIFORNIA ENGINEERING DEPARTMENT			APPROVED BY <i>[Signature]</i> CITY ENGINEER
	CYCLIC SEWER REPLACEMENT			
DESIGNED PHILIP LEE	NO.	REVISED	BY	DATE
DRAWN PHILIP LEE				6/21/2018
CHECKED FLAVIO BARRANTES	SHEET 10 OF 39		CASE 9412 35	
DATE MAY 2018	SCALE 1"=20'			

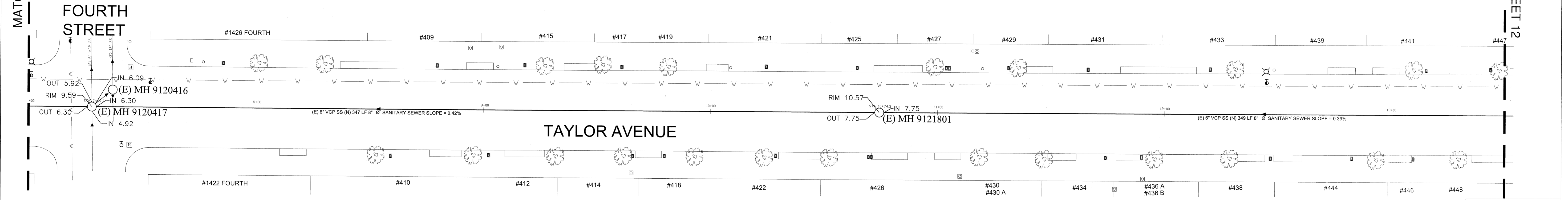




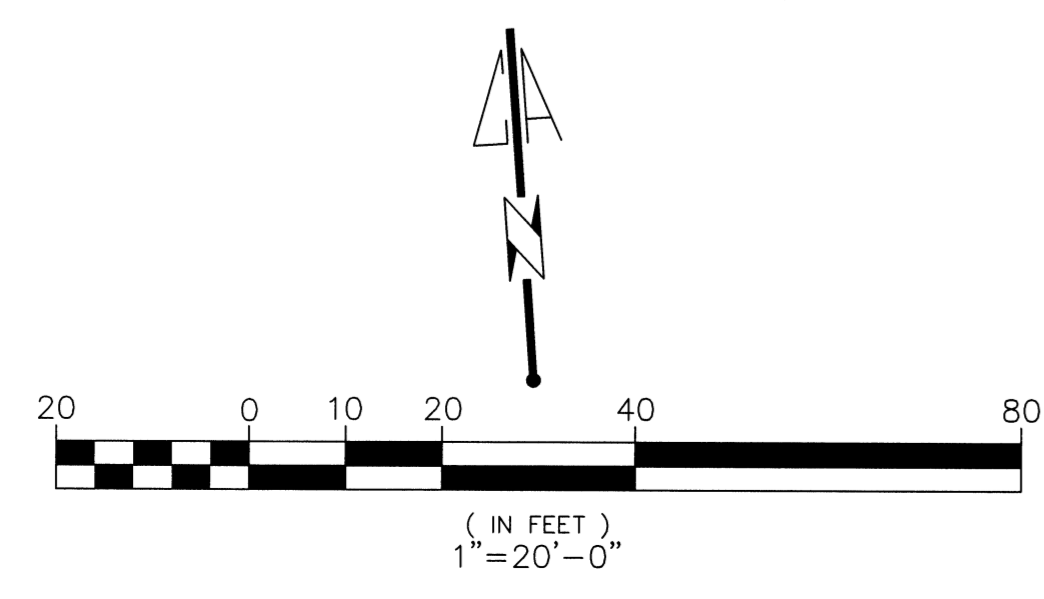
1 PROFILE - TAYLOR AVENUE
 11 SCALE: HORIZONTAL: 1"=20'-0"
 VERTICAL 1"=4'-0"

MATCH LINE STA 7+00 - SEE SHEET 10

MATCH LINE STA 13+50 - SEE SHEET 12



2 PLAN - TAYLOR AVENUE
 11 SCALE: 1"=20'-0"

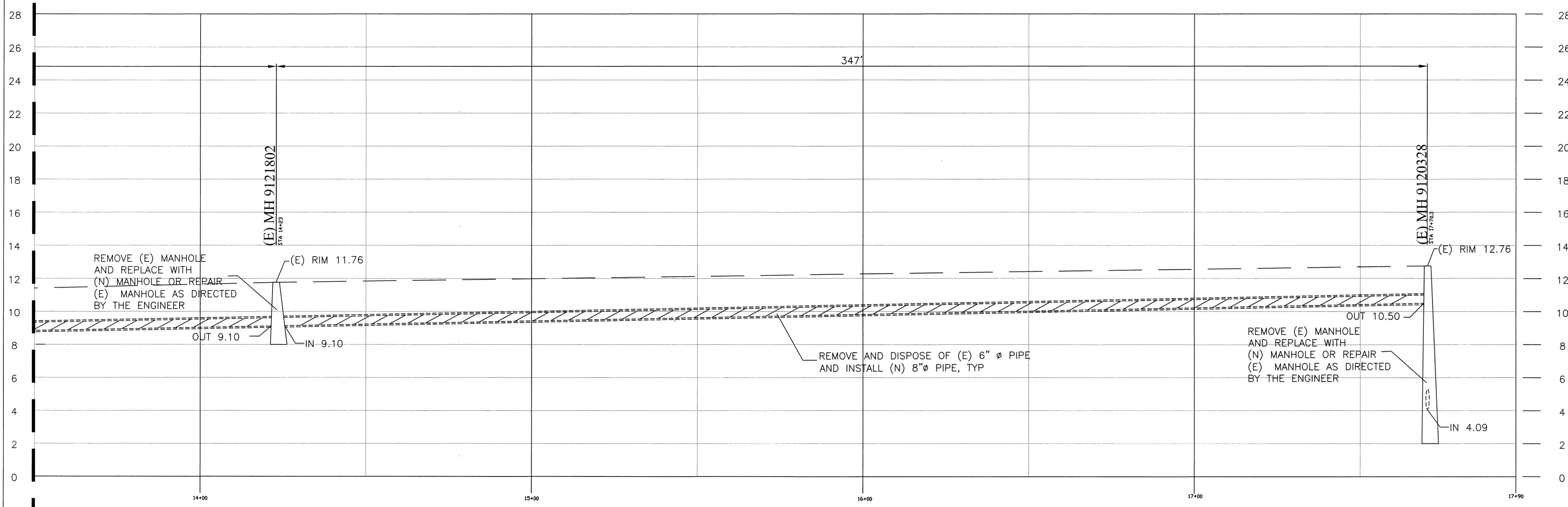


TAYLOR AVENUE EAST OF FOURTH STREET

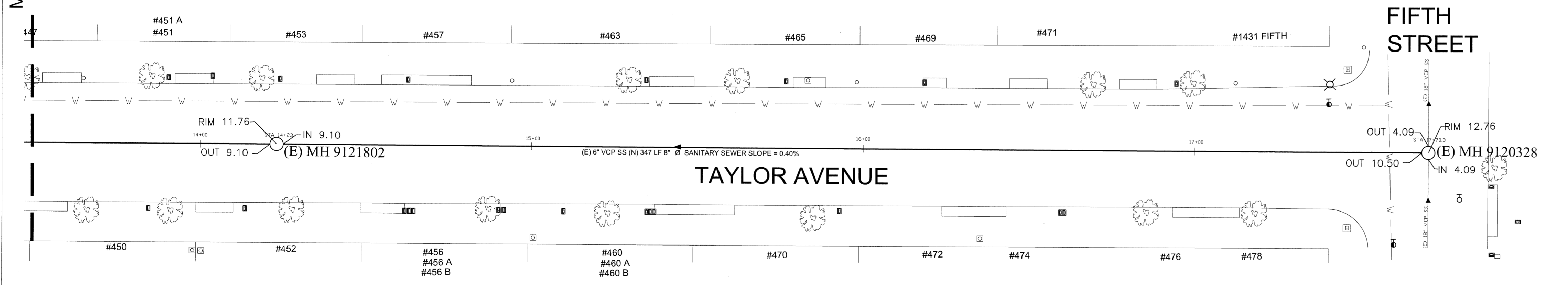
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	CYCLIC SEWER REPLACEMENT PROJECT, PHASE 15		
NO.	REVISED	BY	APP.
DESIGNED	PHILIP LEE		
DRAWN	PHILIP LEE		
CHECKED	PLAVIO PARRANTES		
DATE	MAY 2018	SCALE	1"=20'



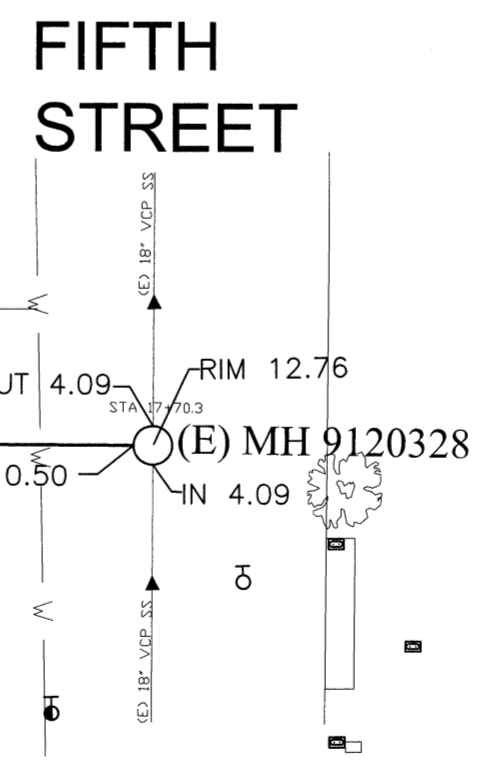
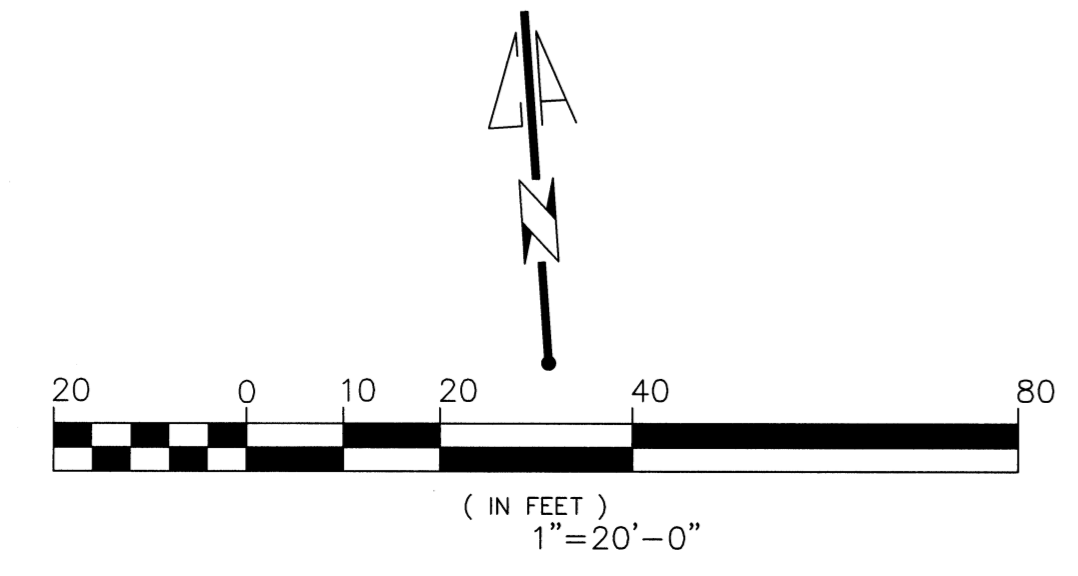
MATCH LINE STA 13+50 - SEE SHEET 11



1 PROFILE - TAYLOR AVENUE
 12 SCALE: HORIZONTAL: 1"=20'-0"
 VERTICAL 1"=4'-0"



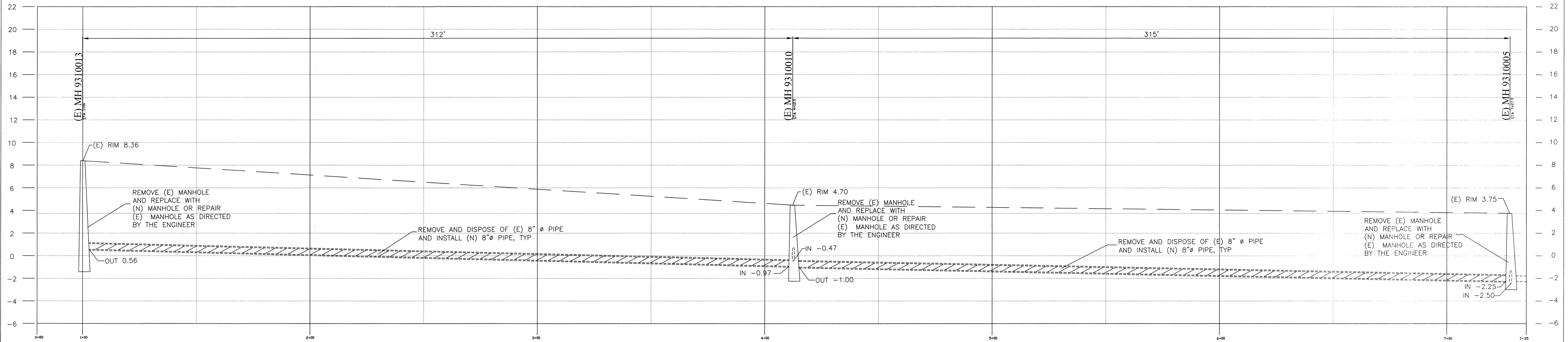
2 PLAN - TAYLOR AVENUE
 12 SCALE: 1"=20'-0"



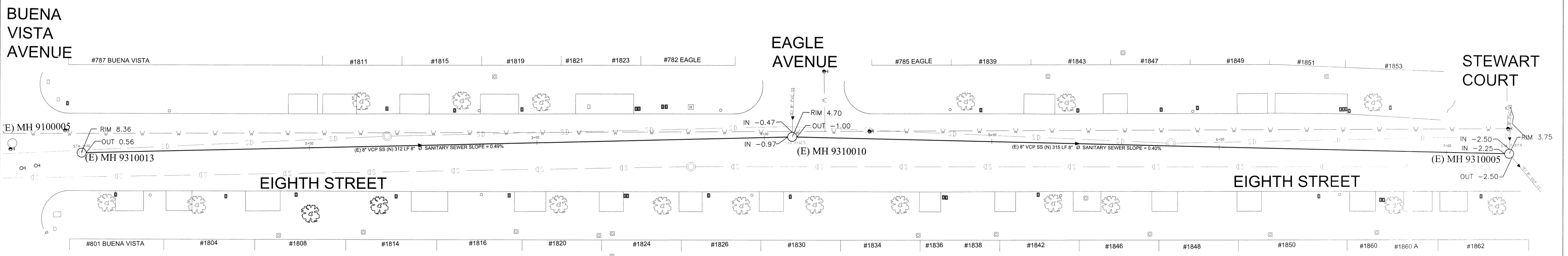
TAYLOR AVENUE WEST OF FIFTH STREET

REFERENCE	CITY OF ALAMEDA CALIFORNIA ENGINEERING DEPARTMENT		APPROVED BY <i>Scott Wikstrom</i> CITY ENGINEER
	CYCLIC SEWER REPLACEMENT		
DESIGNED PHILIP LEE	PROJECT, PHASE 15		DATE 4/29/2018
DRAWN PHILIP LEE	SHEET 12 OF 39		NO. REVISED BY APP.
CHECKED FLAVIO BARRANTES	SCALE 1"=20'		DATE MAY 2018
9412			35

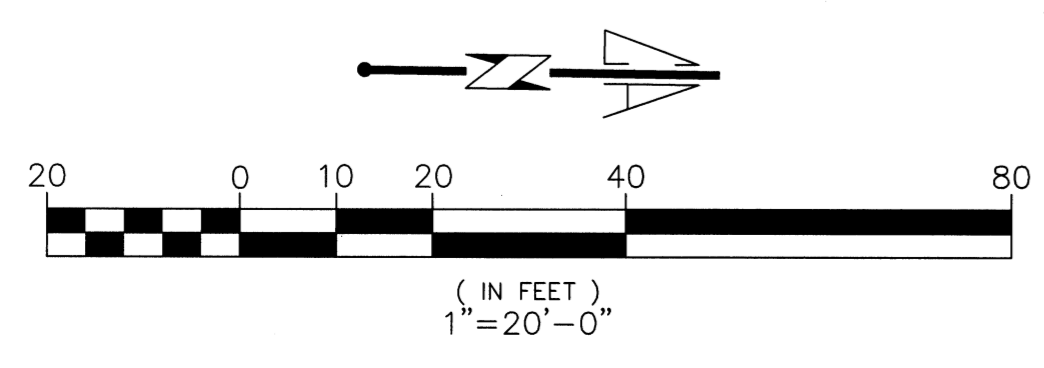




1 PROFILE - EIGHTH STREET
 13 SCALE: HORIZONTAL: 1"=20'-0"
 VERTICAL 1"=4'-0"



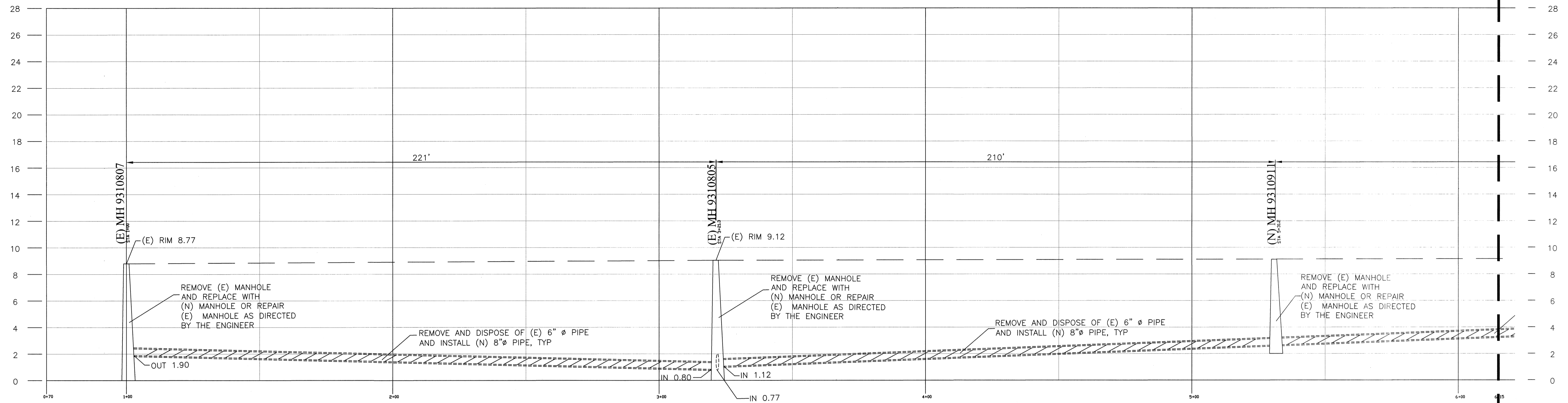
2 PLAN - EIGHTH STREET
 13 SCALE: 1"=20'-0"



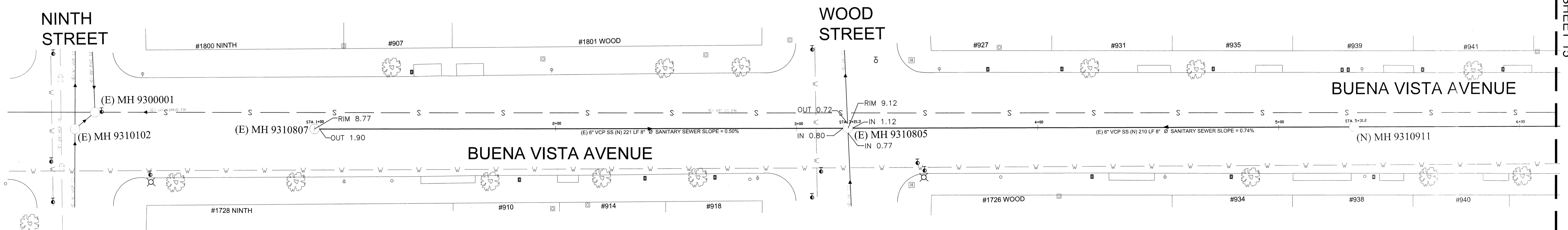
EIGHTH STREET BETWEEN BUENA VISTA AVENUE AND STEWART COURT

REFERENCE	CITY OF ALAMEDA CALIFORNIA ENGINEERING DEPARTMENT		APPROVED BY <i>[Signature]</i> CITY ENGINEER
	CYCLIC SEWER REPLACEMENT PROJECT, PHASE 15		
DESIGNED PHILIP LEE	REVISOR	BY APP.	DATE 6/29/2018
DRAWN PHILIP LEE	CHECKED FLAVIO BARRANTES	SCALE 1"=20'	SHEET 13 OF 39
DATE MAY 2018			CASE 9412 35

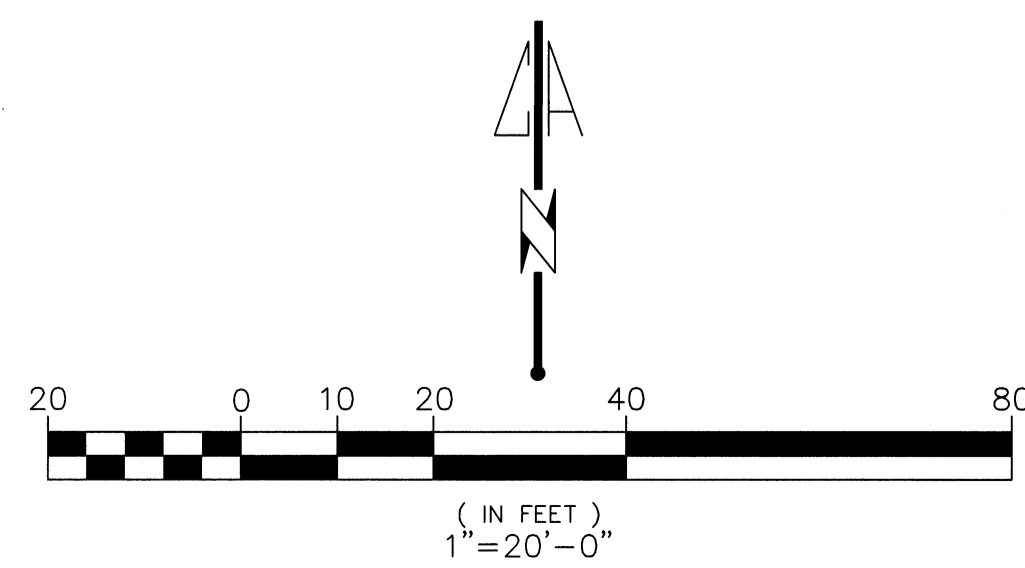




1 PROFILE - BUENA VISTA AVENUE
 SCALE: HORIZONTAL: 1"=20'-0"
 VERTICAL 1"=4'-0"



2 PLAN - BUENA VISTA AVENUE
 SCALE: 1"=20'-0"

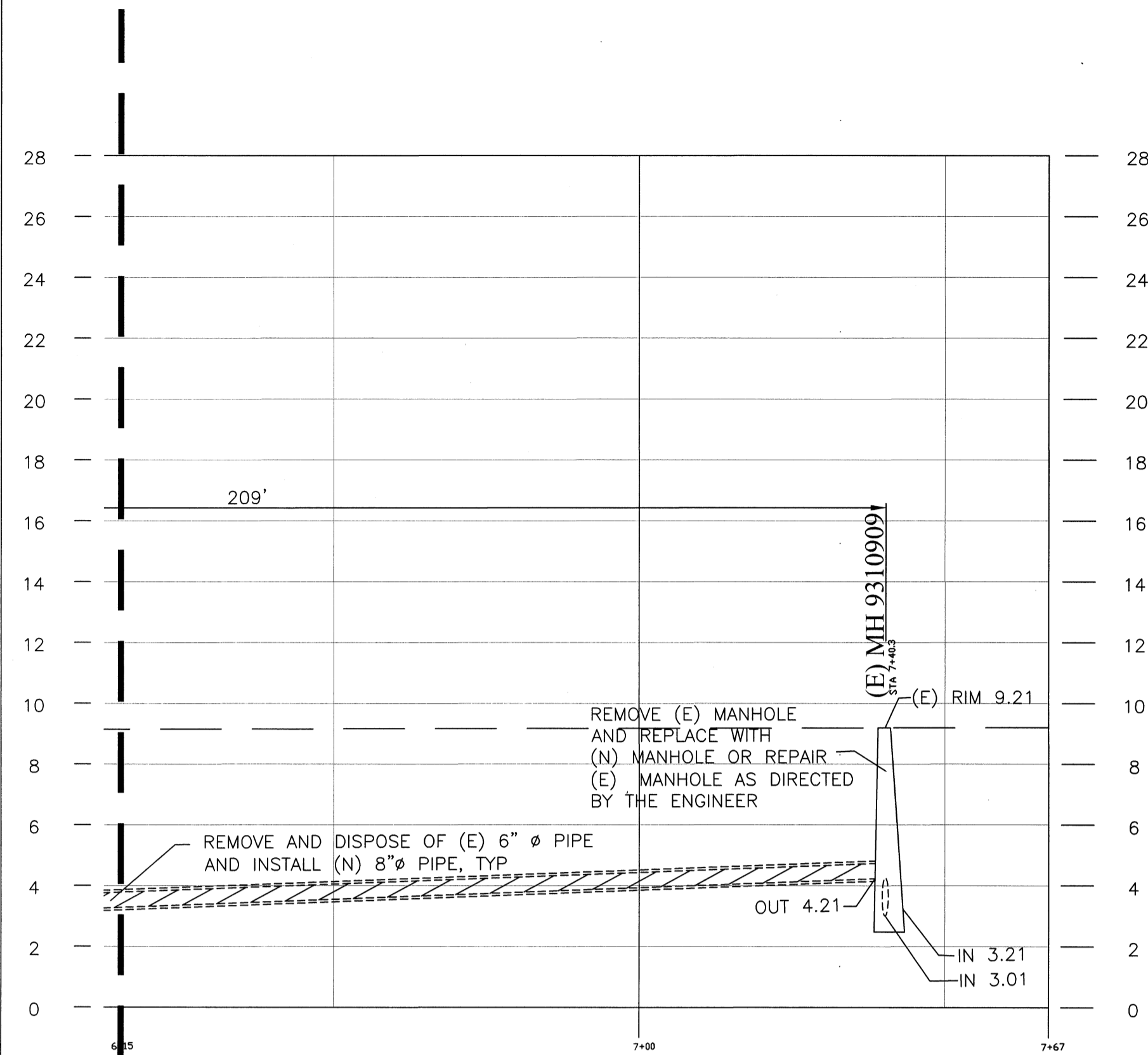


MATCH LINE STA 6+15 - SEE SHEET 15

BUENA VISTA AVENUE BETWEEN NINTH STREET AND WOOD STREET

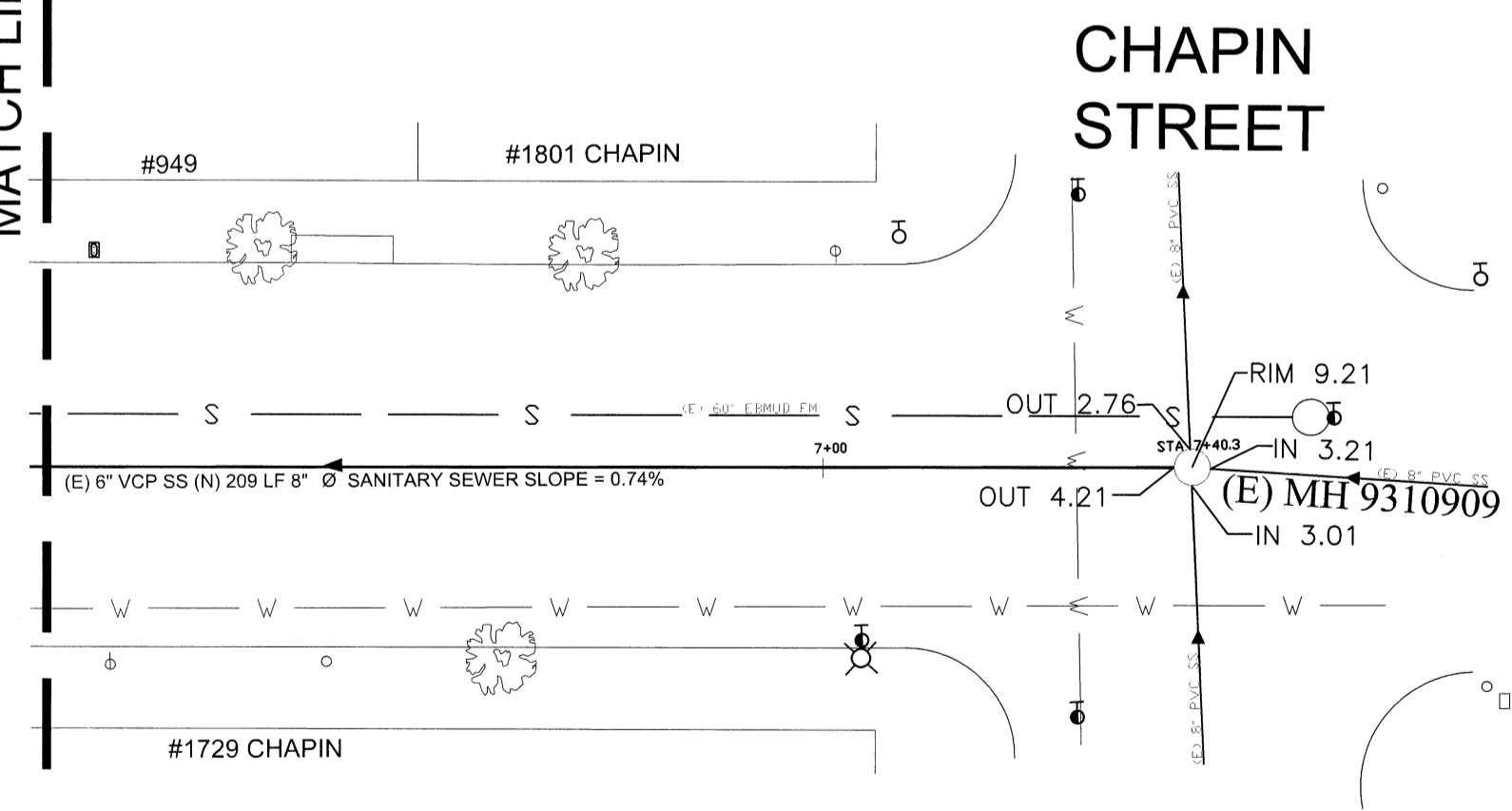
NO.	REVISED	BY	APP.	CITY OF ALAMEDA CALIFORNIA ENGINEERING DEPARTMENT	APPROVED BY
					<i>[Signature]</i> CITY ENGINEER
DESIGNED PHILIP LEE				CYCLIC SEWER REPLACEMENT	DATE
DRAWN PHILIP LEE					6/29/2018
CHECKED FLAVIO BARRANTES				PROJECT, PHASE 15	SHEET
DATE					14
MAY 2018				SCALE	OF
1"=20'				39	CASE
				9412	35



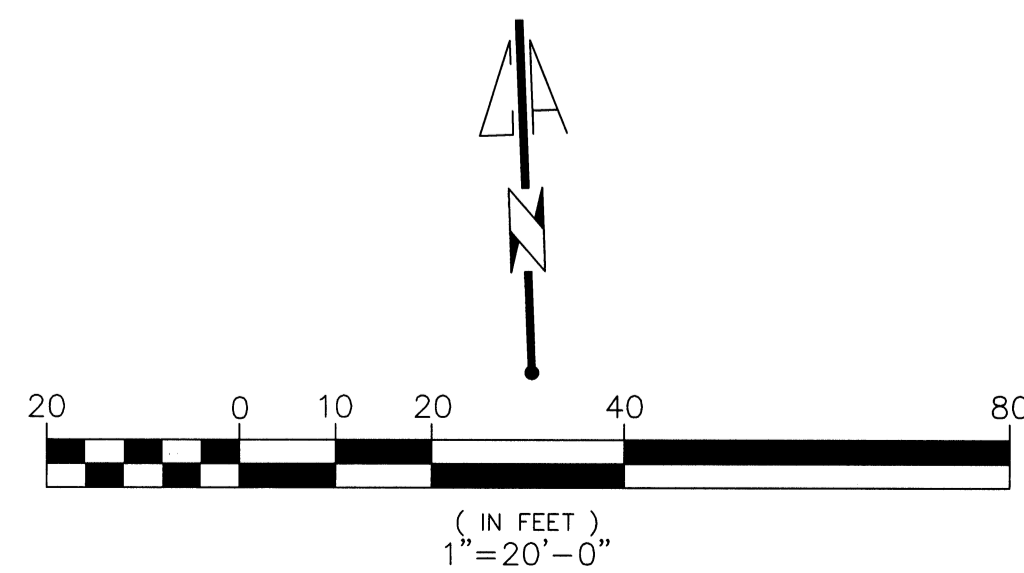


1 PROFILE - BUENA VISTA AVENUE
 SCALE: HORIZONTAL: 1"=20'-0"
 VERTICAL 1"=4'-0"

MATCH LINE STA 6+15 - SEE SHEET 14



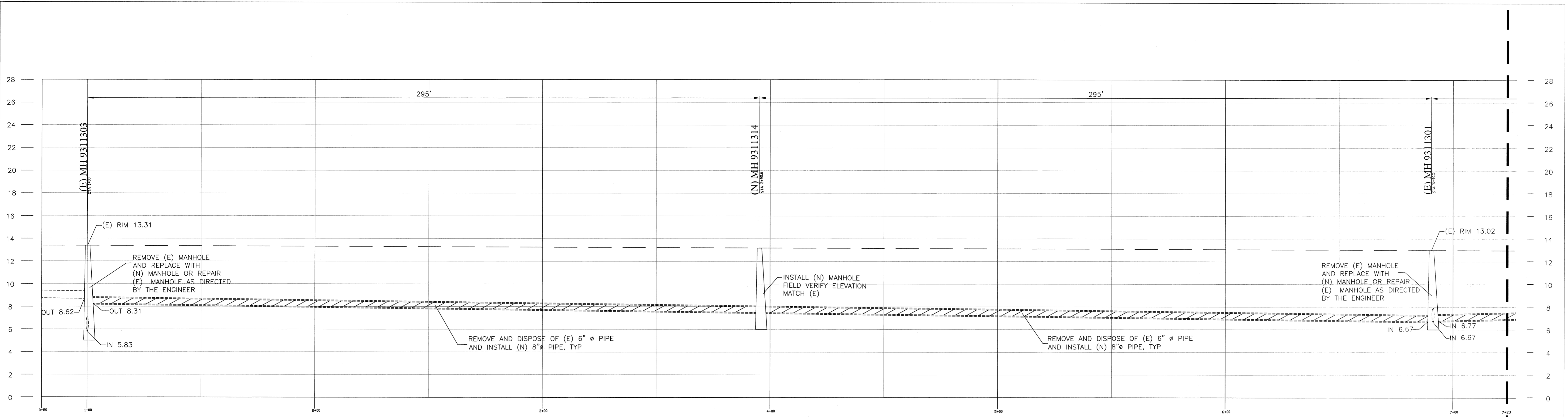
2 PLAN - BUENA VISTA AVENUE
 SCALE: 1"=20'-0"



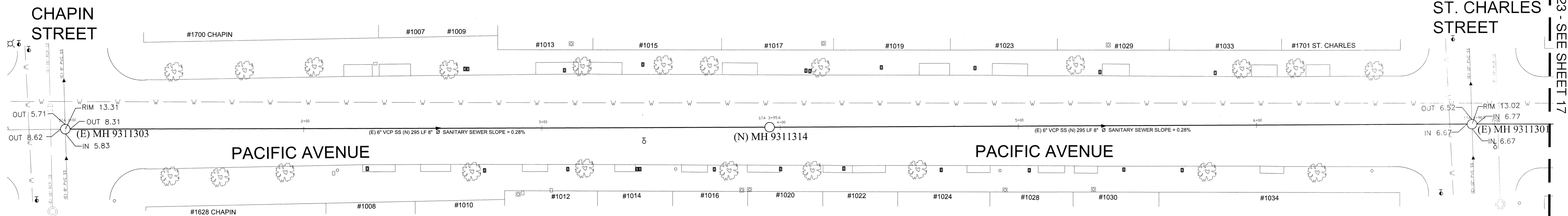
BUENA VISTA AVENUE AT CHAPIN STREET

REFERENCE	CITY OF ALAMEDA CALIFORNIA ENGINEERING DEPARTMENT		APPROVED BY <i>Scott W. Kistner</i> CITY ENGINEER
	CYCLIC SEWER REPLACEMENT		
NO.	REVISED	BY	APP.
DESIGNED PHILIP LEE			DATE 6/19/2018
DRAWN PHILIP LEE			SHEET 15 OF 39
CHECKED FLAVIO BARRANTES			DWG. CASE
DATE MAY 2018	SCALE 1"=20'	9412 35	

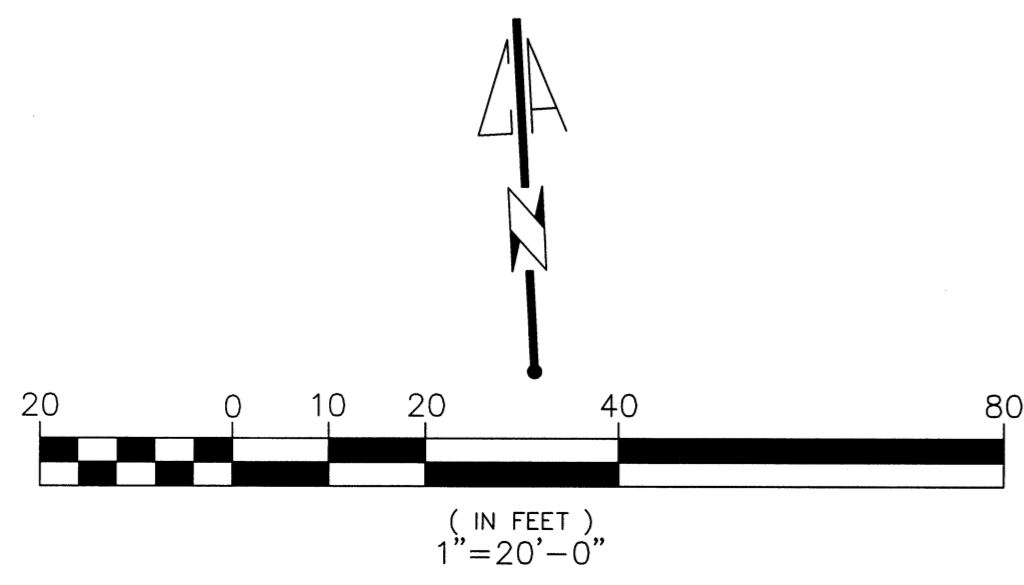




1 PROFILE - PACIFIC AVENUE
 16 SCALE: HORIZONTAL: 1"=20'-0"
 VERTICAL 1"=4'-0"



2 PLAN - PACIFIC AVENUE
 16 SCALE: 1"=20'-0"

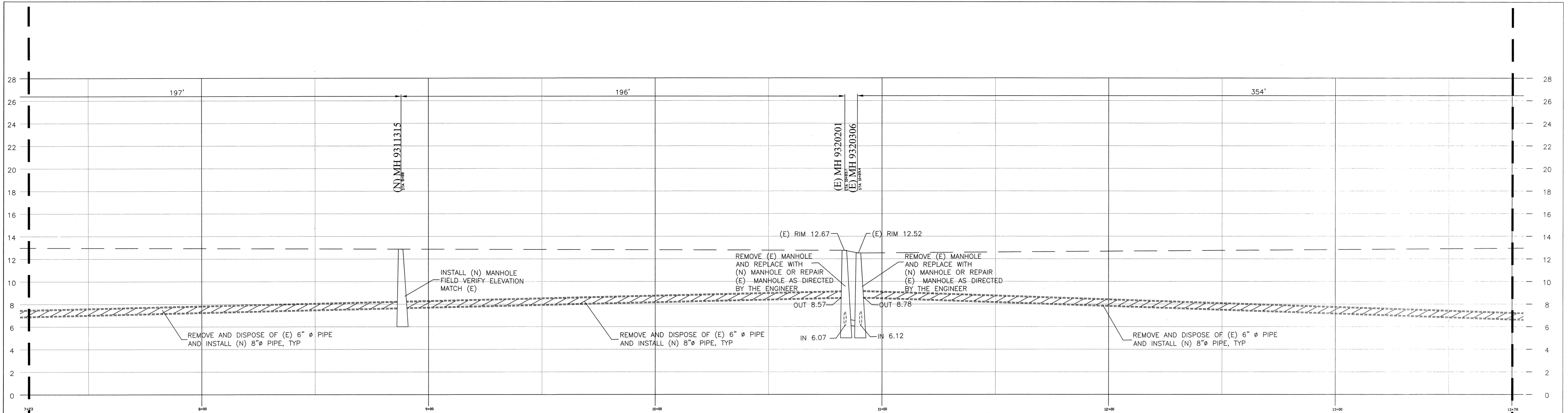


MATCH LINE STA 7+23 - SEE SHEET 17

PACIFIC AVENUE BETWEEN CHAPIN STREET AND ST. CHARLES STREET

<table border="1"> <tr><th>NO.</th><th>REVISED</th><th>BY</th><th>APP.</th></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </table>	NO.	REVISED	BY	APP.													CITY OF ALAMEDA CALIFORNIA ENGINEERING DEPARTMENT	APPROVED BY
	NO.	REVISED	BY	APP.														
DESIGNED PHILIP LEE DRAWN PHILIP LEE CHECKED FLAVIO BARRANTES DATE MAY 2018	PROJECT, PHASE 15	 CITY ENGINEER																
SCALE 1"=20'	SHEET 16 OF 39	DATE 6/19/2018																
REFERENCE	PROJECT, PHASE 15	CASE 9412 35																

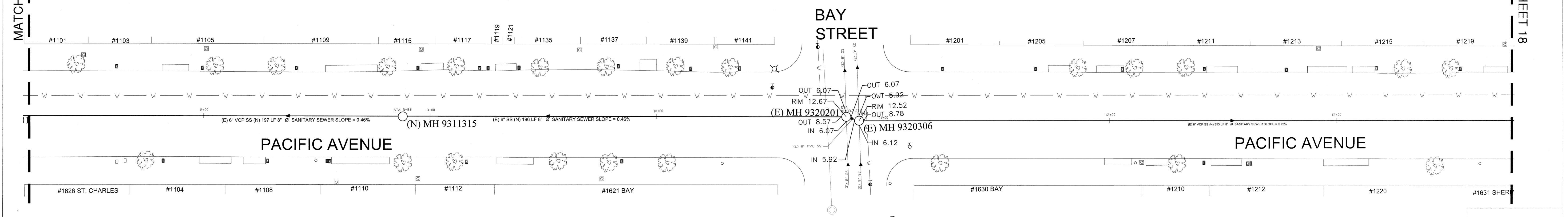




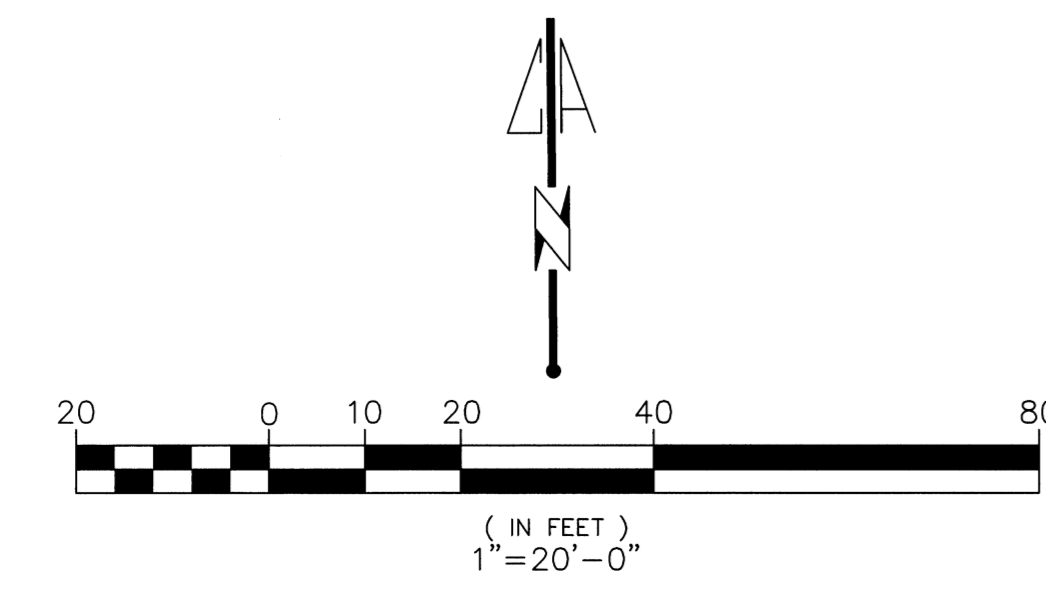
1 PROFILE - PACIFIC AVENUE
 17 SCALE: HORIZONTAL: 1"=20'-0"
 VERTICAL 1"=4'-0"

MATCH LINE STA 7+23 - SEE SHEET 16


MATCH LINE STA 13+78 - SEE SHEET 18



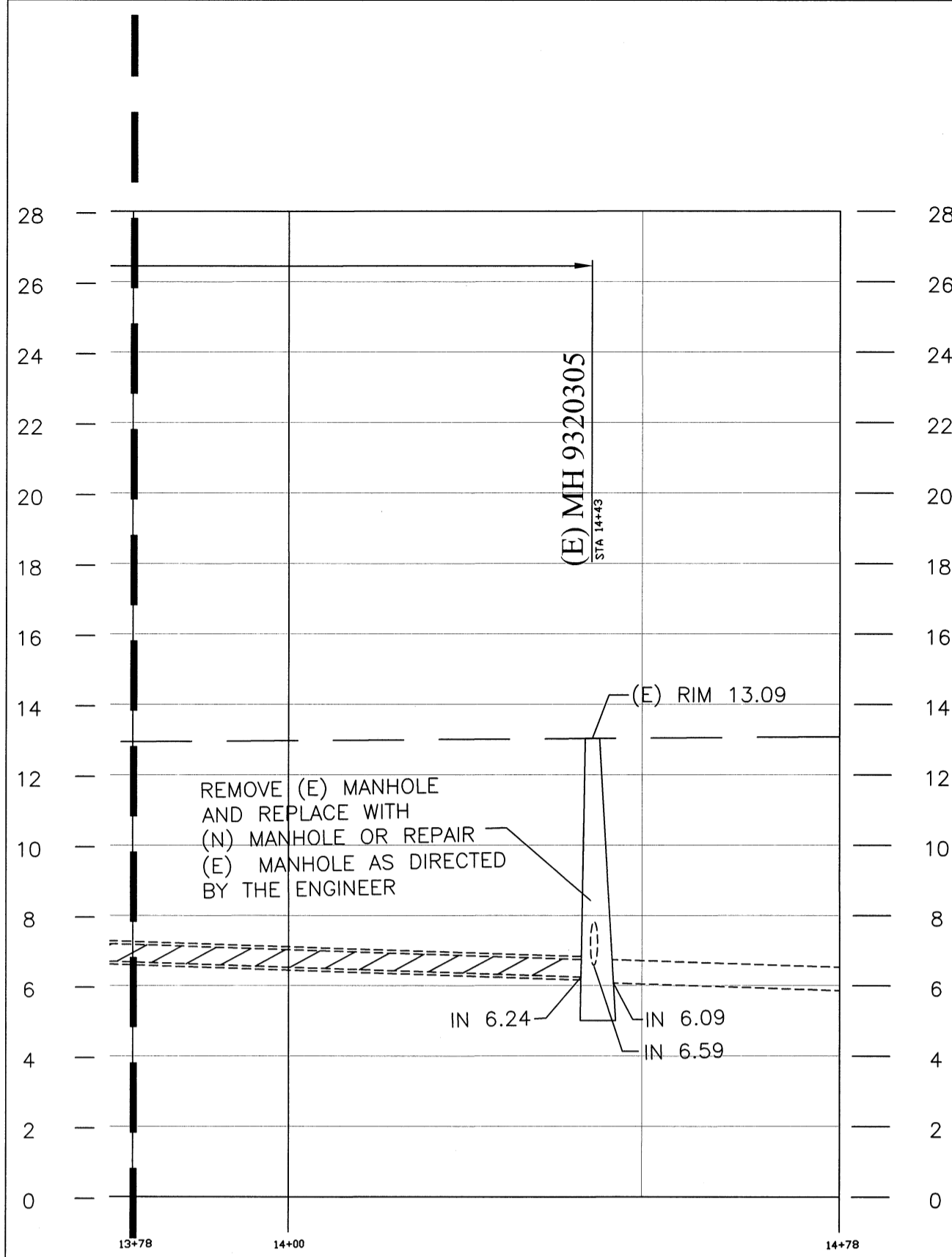
2 PLAN - PACIFIC AVENUE
 17 SCALE: 1"=20'-0"



PACIFIC AVENUE AT BAY STREET

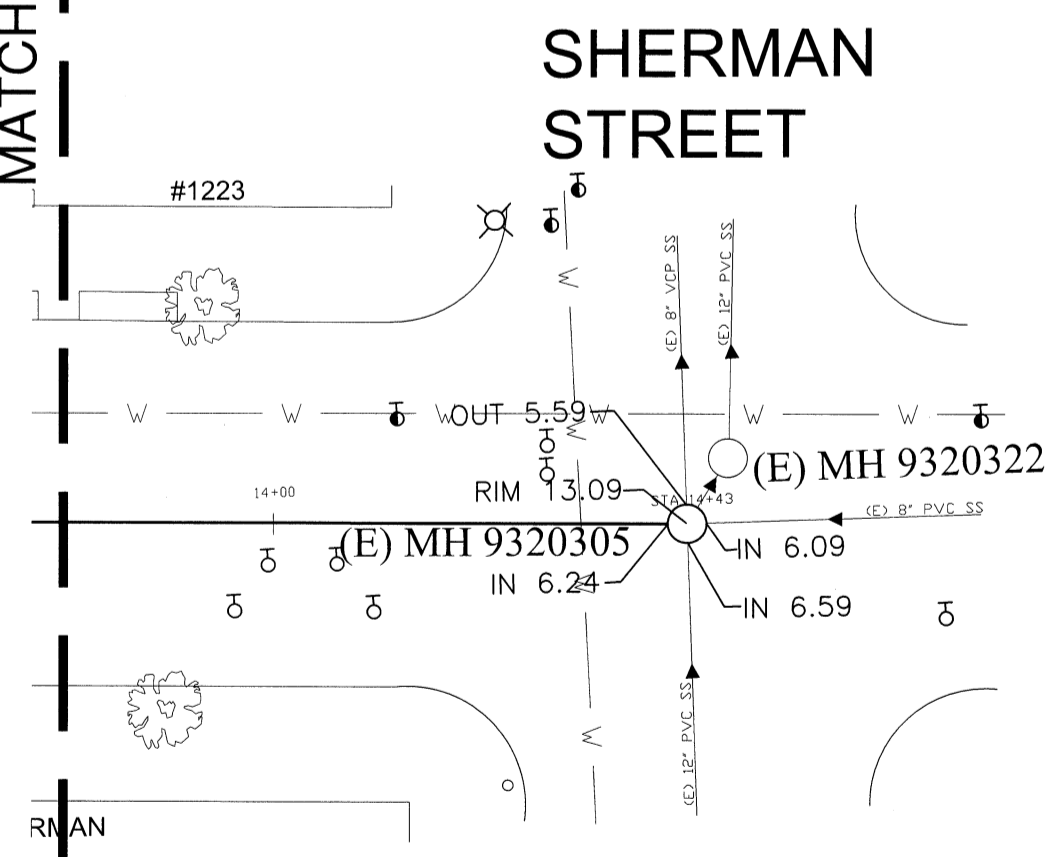
REFERENCE	NO.	REVISION	BY	APP.
	DESIGNED	PHILIP LEE		
	DRAWN	PHILIP LEE		
	CHECKED	FLAVIO BARRANTE		
DATE	MAY 2018	SCALE	1"=20'	
CITY OF ALAMEDA CALIFORNIA ENGINEERING DEPARTMENT				
CYCLIC SEWER REPLACEMENT				
PROJECT, PHASE 15				
APPROVED BY	 CITY ENGINEER			
DATE	6/14/2018	SHEET	17	OF 39
ENC.	9412 35			



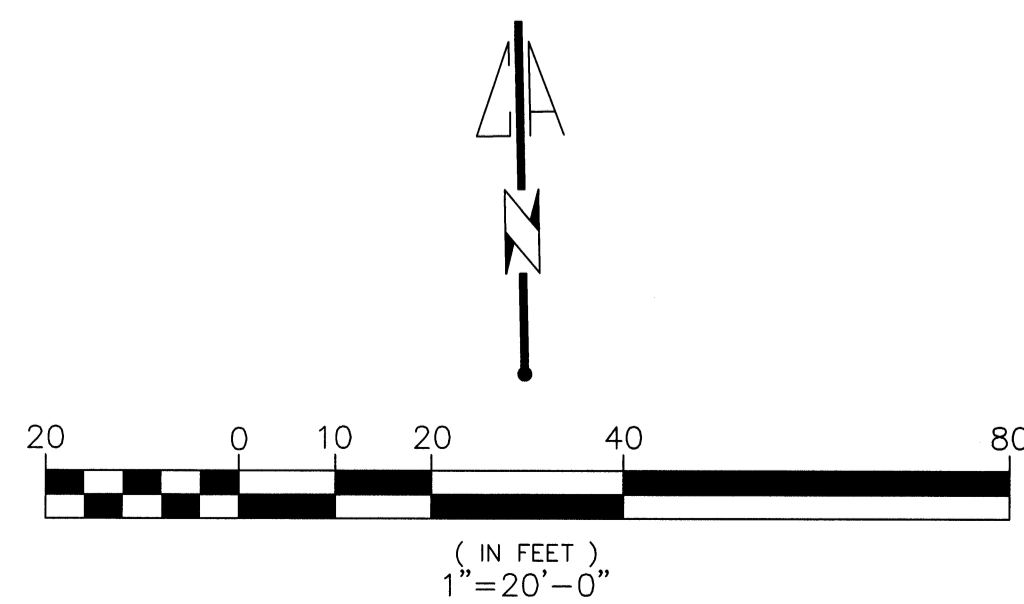


1 PROFILE - PACIFIC AVENUE
 SCALE: HORIZONTAL: 1"=20'-0"
 VERTICAL 1"=4'-0"

MATCH LINE STA 13+78 - SEE SHEET 17



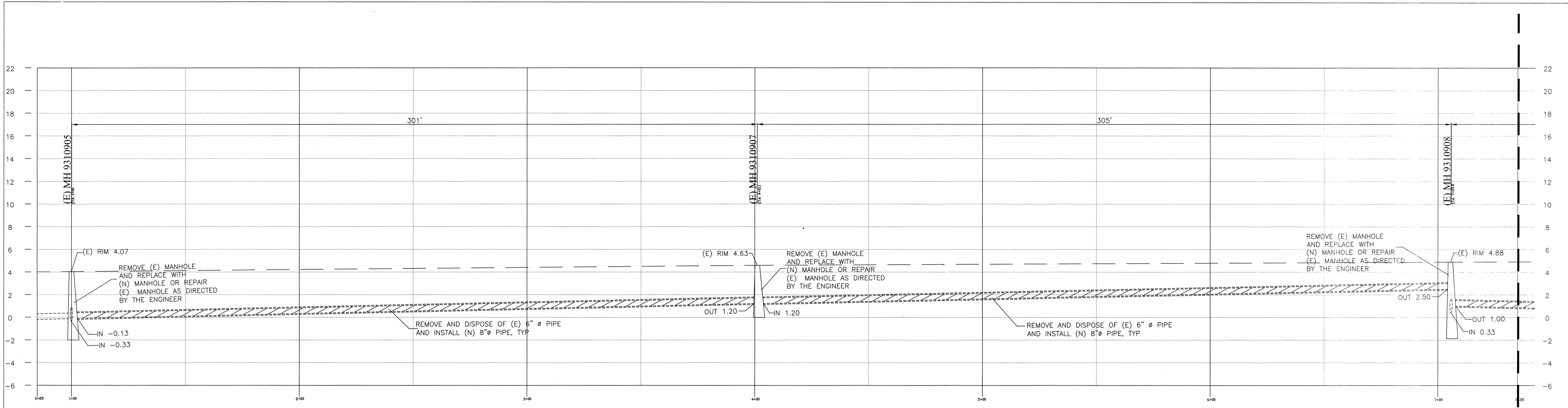
2 PLAN - PACIFIC AVENUE
 SCALE: 1"=20'-0"



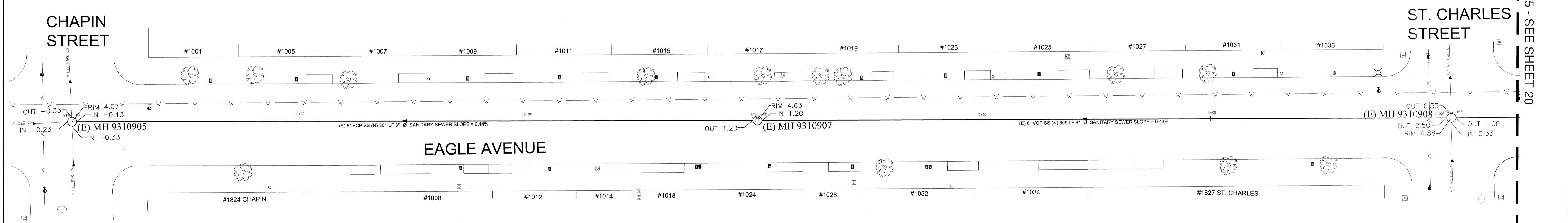
PACIFIC AVENUE AT SHERMAN STREET

REFERENCE	CITY OF ALAMEDA CALIFORNIA ENGINEERING DEPARTMENT		APPROVED BY <i>[Signature]</i> CITY ENGINEER
	CYCLIC SEWER REPLACEMENT		DATE: 6/19/2018
NO.	REVISED	BY	APP.
DESIGNED: PHILIP LEE			SHEET 18 OF 39
DRAWN: PHILIP LEE			DWG. CASE
CHECKED: FLAVIO BARRANTES			9412 35
DATE: MAY 2018	SCALE: 1"=20'-0"		





1 PROFILE - EAGLE AVENUE
 SCALE: HORIZONTAL: 1"=20'-0"
 VERTICAL 1"=4'-0"



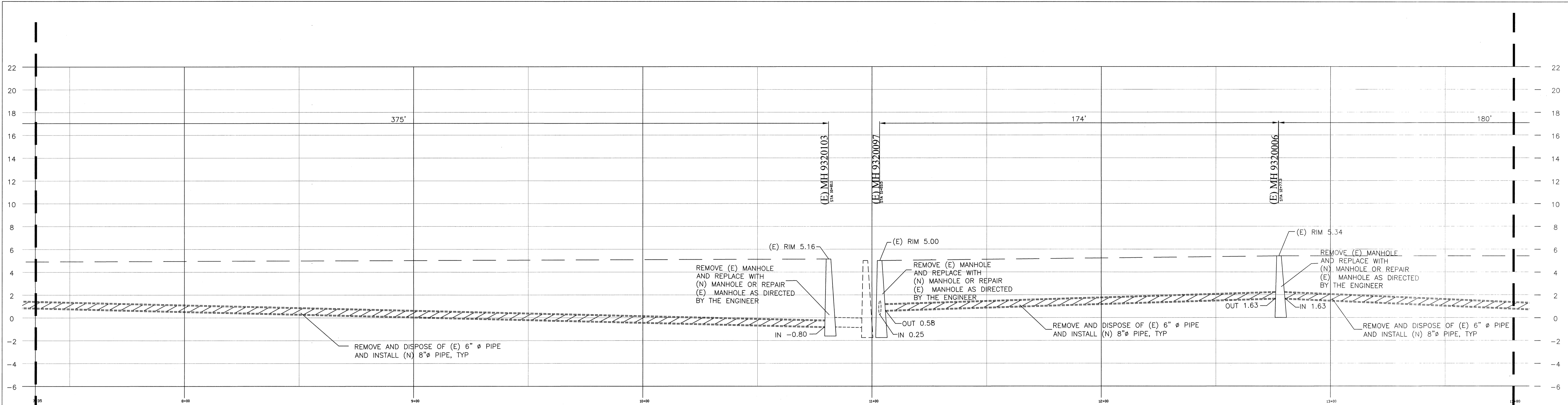
2 PLAN - EAGLE AVENUE
 SCALE: 1"=20'-0"

MATCH LINE STA 7+35 - SEE SHEET 20

EAGLE AVENUE BETWEEN CHAPIN STREET AND ST CHARLES STREET

REFERENCE 	CITY OF ALAMEDA CALIFORNIA ENGINEERING DEPARTMENT		APPROVED BY CITY ENGINEER DATE: 6/19/2018 SHEET 19 OF 39 CASE 9412 35
	CYCLIC SEWER REPLACEMENT PROJECT, PHASE 15		
	NO. DESIGNED: PHILIP LEE DRAWN: PHILIP LEE CHECKED: FLAVIO BARRANTES DATE: MAY 2018	REVISIONS BY: APP. SCALE: 1"=20'	
	PROJECT, PHASE 15		

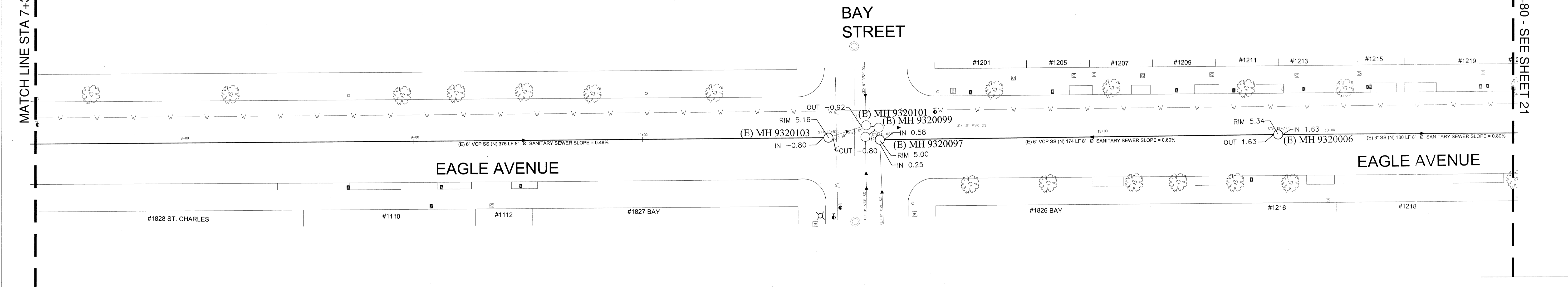




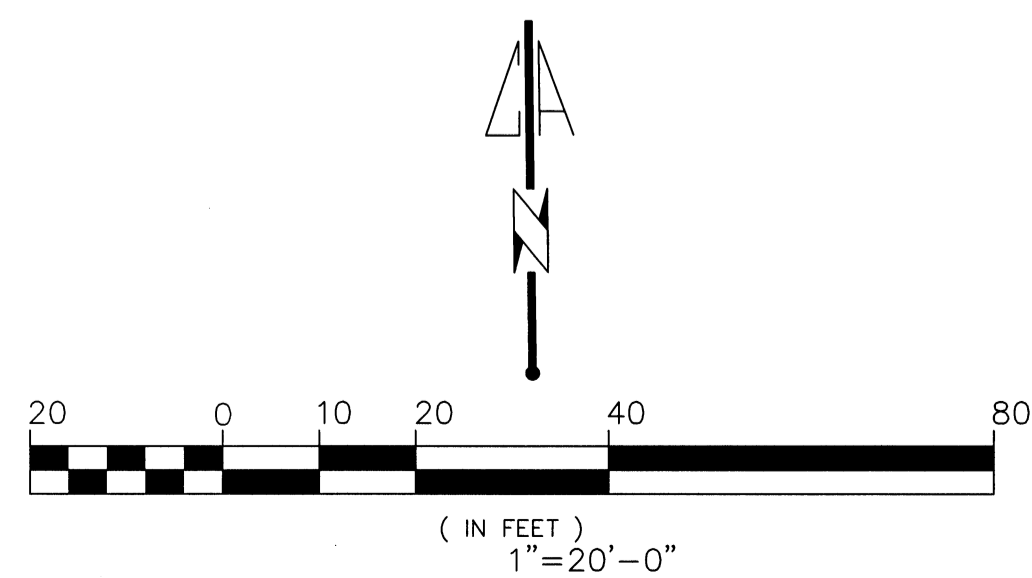
1 PROFILE - EAGLE AVENUE
 SCALE: HORIZONTAL: 1"=20'-0"
 VERTICAL 1"=4'-0"

MATCH LINE STA 7+35 - SEE SHEET 19

MATCH LINE STA 13+80 - SEE SHEET 21

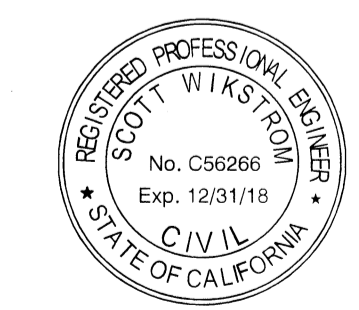


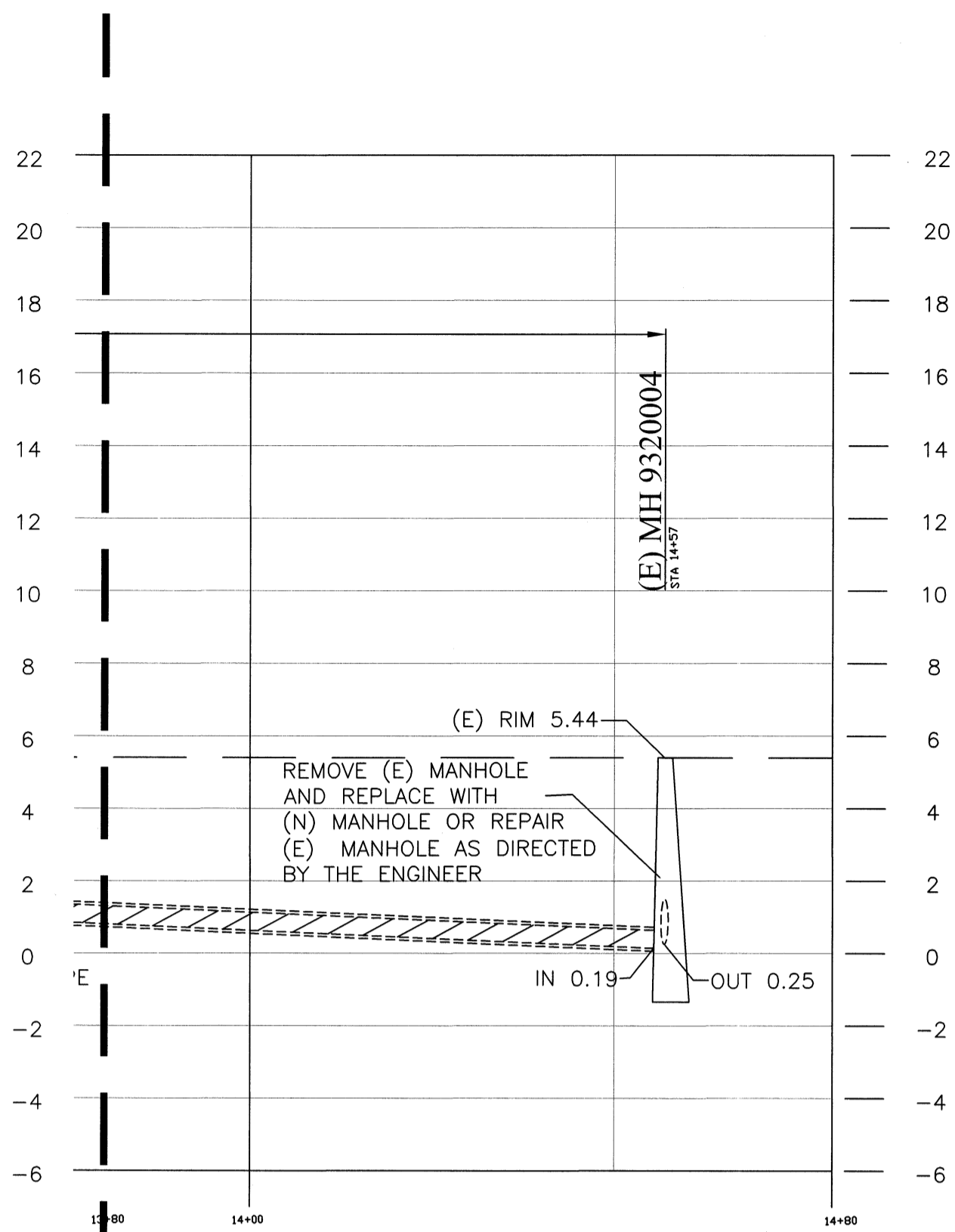
2 PLAN - EAGLE AVENUE
 SCALE: 1"=20'-0"



EAGLE AVENUE AT BAY STREET

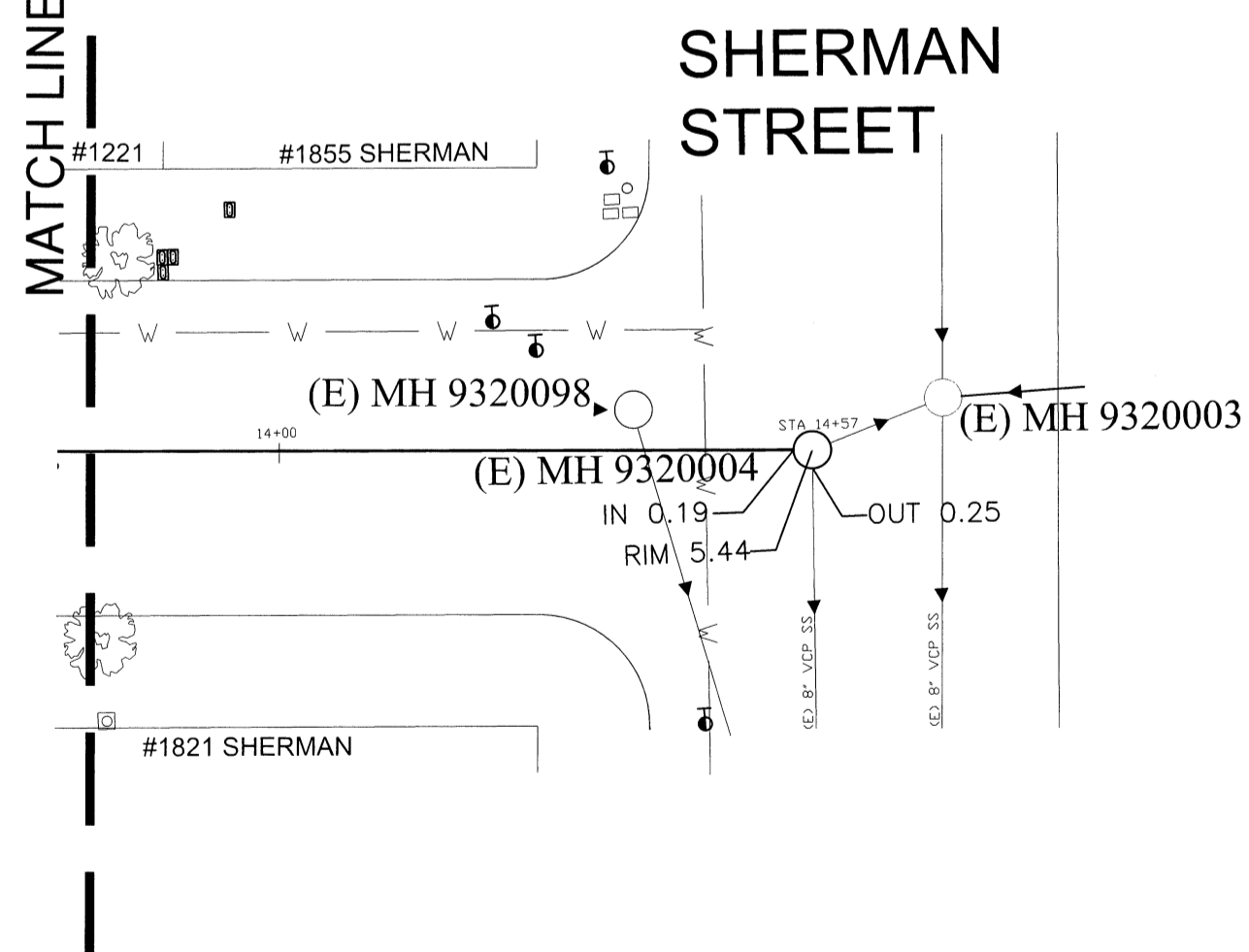
REFERENCE	CITY OF ALAMEDA CALIFORNIA ENGINEERING DEPARTMENT		APPROVED BY <i>[Signature]</i> CITY ENGINEER
	CYCLIC SEWER REPLACEMENT PROJECT, PHASE 15		
DESIGNED PHILIP LEE	DATE MAY 2018	SCALE 1"=20'	DATE 6/1/2018
DRAWN PHILIP LEE			SHEET 20 OF 39
CHECKED FLAVIO BARRANTES			DWG. CASE
			9412 35



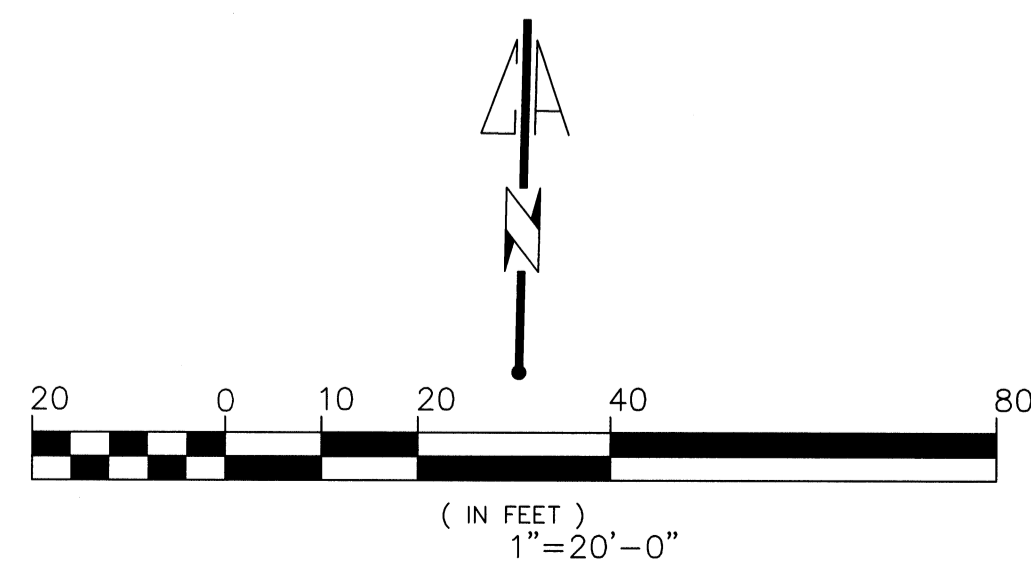


1 PROFILE - EAGLE AVENUE
 21 SCALE: HORIZONTAL: 1"=20'-0"
 VERTICAL 1"=4'-0"

MATCH LINE STA 13+80 - SEE SHEET 20



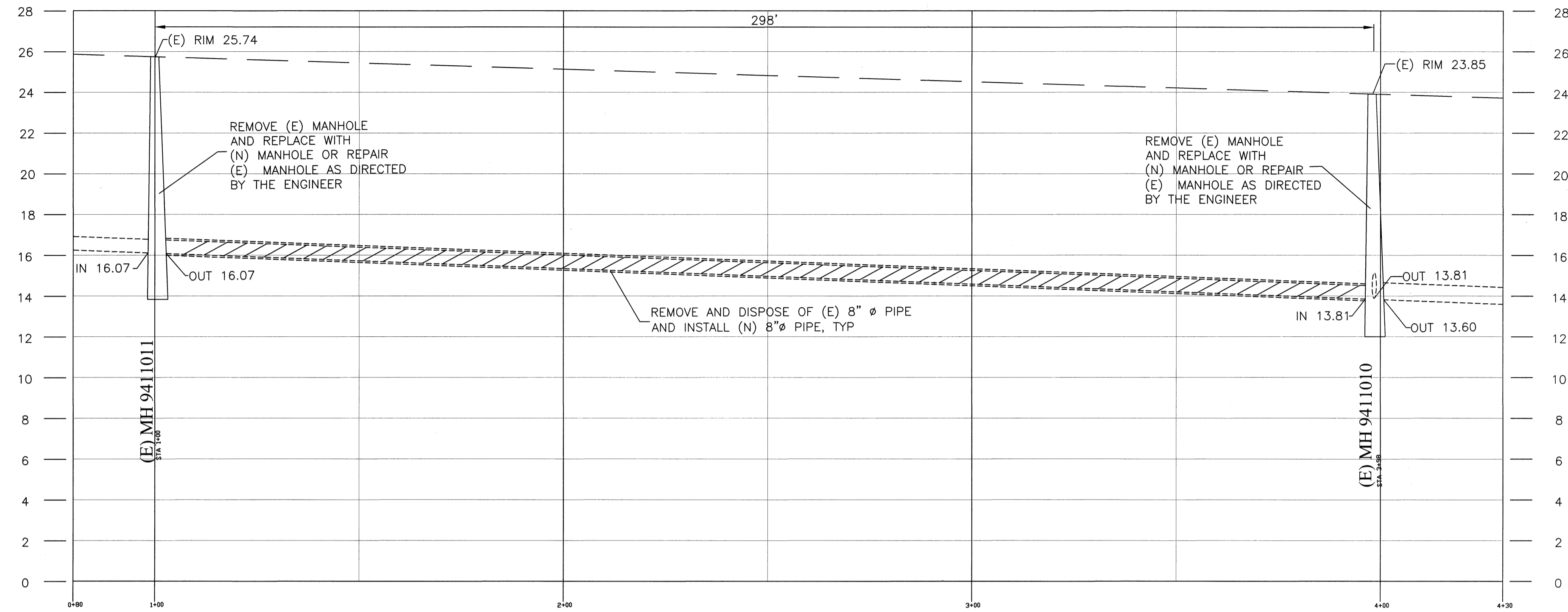
2 PLAN - EAGLE AVENUE
 21 SCALE: 1"=20'-0"



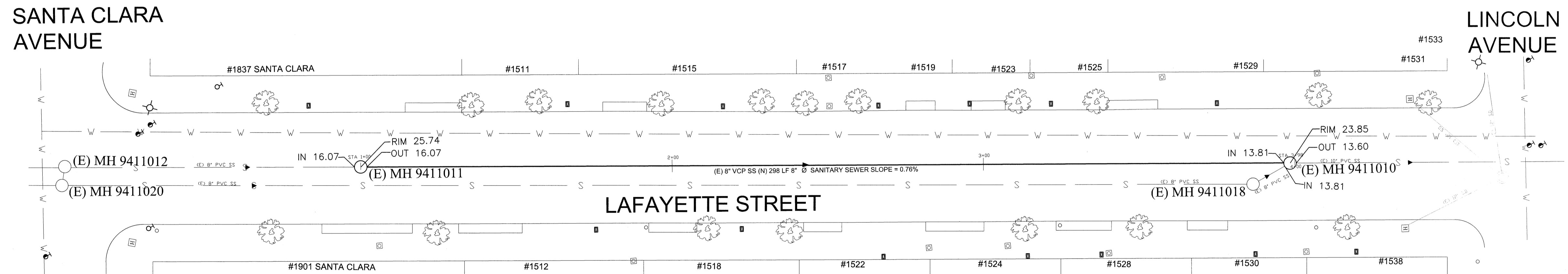
EAGLE AVENUE AT SHERMAN STREET

REFERENCE	CITY OF ALAMEDA CALIFORNIA ENGINEERING DEPARTMENT		APPROVED BY <i>Scott Wirstrom</i> CITY ENGINEER
	CYCLIC SEWER REPLACEMENT		DATE: 6/29/2018
DESIGNED PHILIP LEE	NO.	REVISED	BY
DRAWN PHILIP LEE	DATE	SCALE	APP.
CHECKED FLAVIO BARRANTES	MAY 2018		1"=20'
PROJECT, PHASE 15			SHEET 21 OF 39
9412			CASE 35

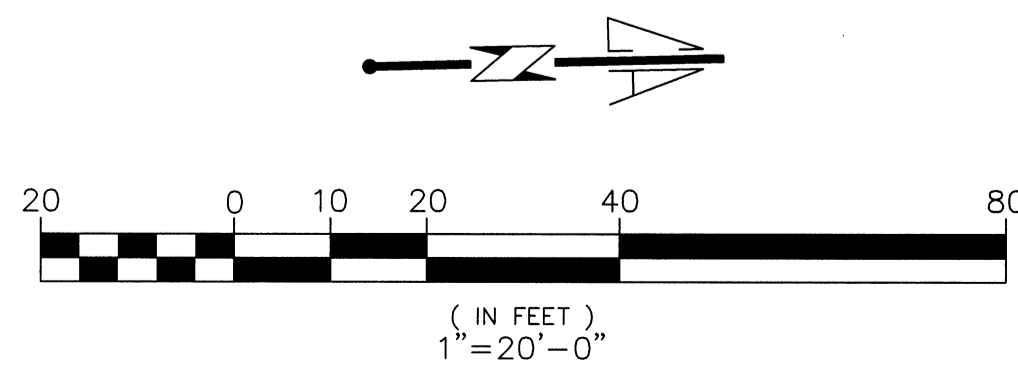




1 PROFILE - LAFAYETTE STREET
 SCALE: HORIZONTAL: 1"=20'-0"
 VERTICAL 1"=4'-0"



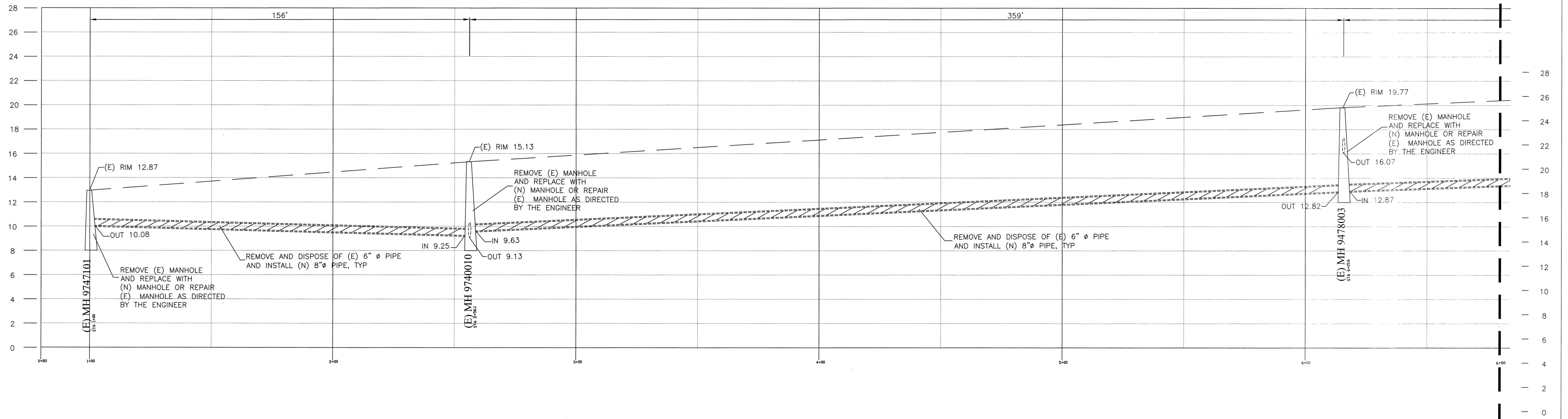
2 PLAN - LAFAYETTE STREET
 SCALE: 1"=20'-0"



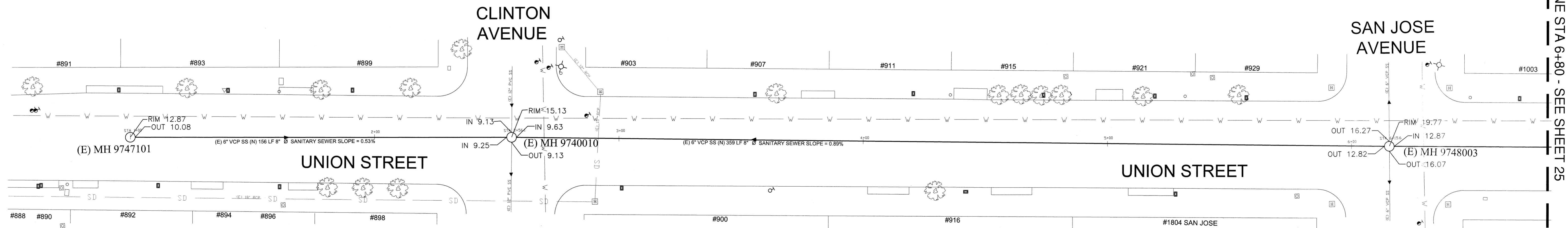
LAFAYETTE STREET BETWEEN SANTA CLARA AVENUE AND LINCOLN AVENUE

REFERENCE				CITY OF ALAMEDA CALIFORNIA ENGINEERING DEPARTMENT		APPROVED BY <i>[Signature]</i> CITY ENGINEER	
				CYCLIC SEWER REPLACEMENT		DATE: 6/25/2018	
				PROJECT, PHASE 15		SHEET 23 OF 39	
				DESIGNED PHILIP LEE DRAWN PHILIP LEE CHECKED FLAVIO BARRANTES		DWC CASE 9412 35	
				DATE: MAY 2018 SCALE: 1"=20'			

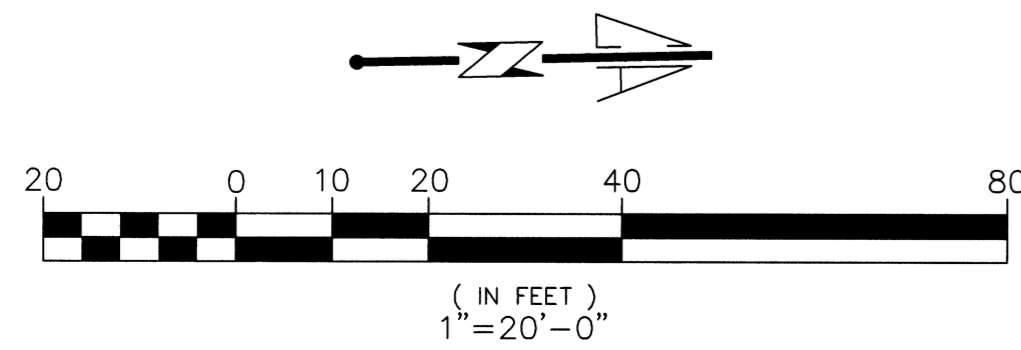




1 PROFILE - UNION STREET
 24 SCALE: HORIZONTAL: 1"=20'-0"
 VERTICAL 1"=4'-0"



2 PLAN - UNION STREET
 24 SCALE: 1"=20'-0"

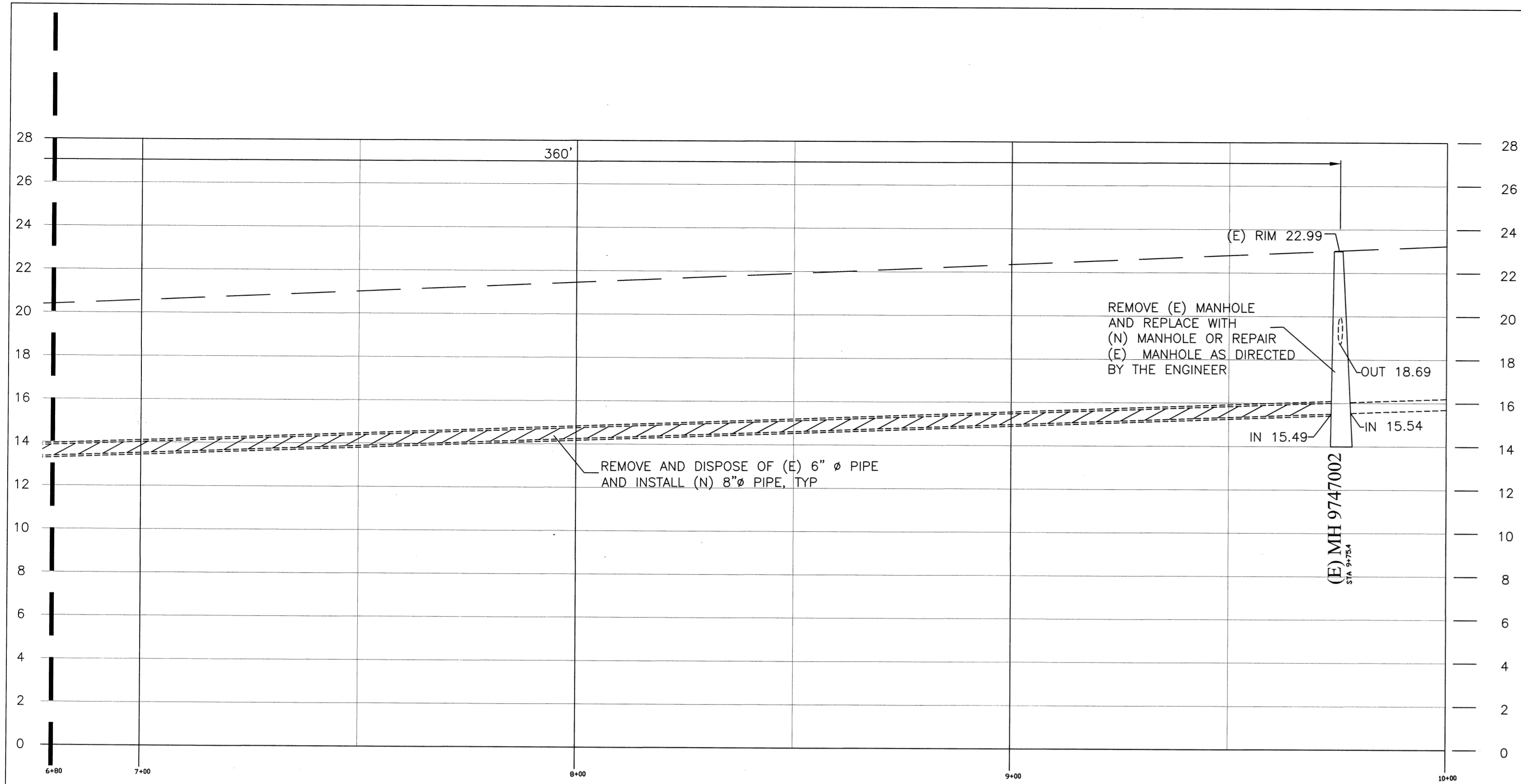


MATCH LINE STA 6+80 - SEE SHEET 25

UNION STREET BETWEEN CLINTON AVENUE AND SAN JOSE AVENUE

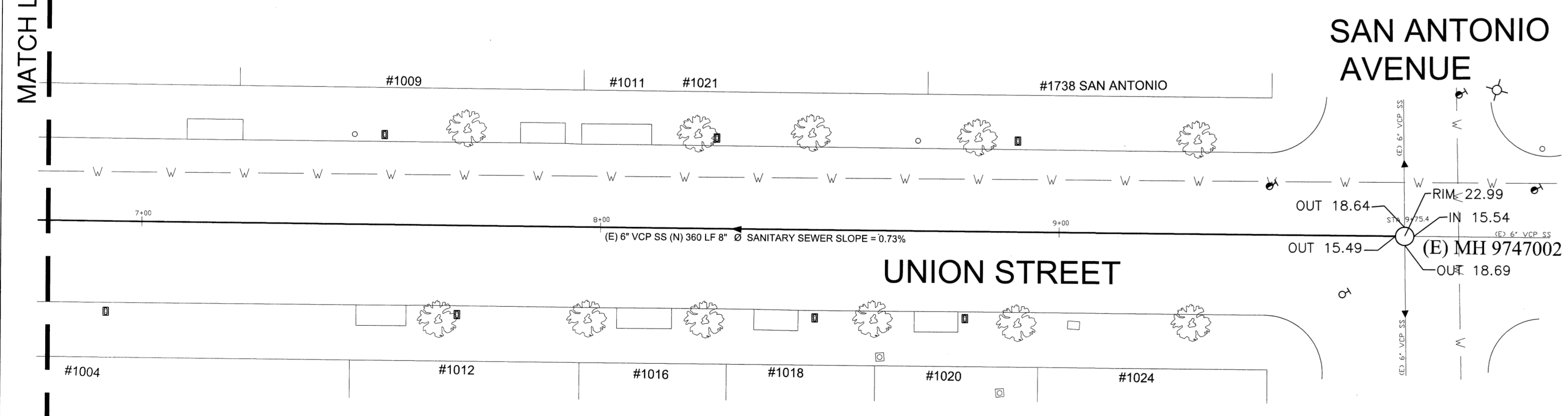
<table border="1"> <thead> <tr> <th>NO.</th> <th>REVISED</th> <th>BY</th> <th>APP.</th> </tr> </thead> <tbody> <tr> <td>DESIGNED</td> <td>PHILIP LEE</td> <td></td> <td></td> </tr> <tr> <td>DRAWN</td> <td>PHILIP LEE</td> <td></td> <td></td> </tr> <tr> <td>CHECKED</td> <td>FLAVIO BARRANTES</td> <td></td> <td></td> </tr> <tr> <td>DATE</td> <td>MAY 2018</td> <td></td> <td></td> </tr> <tr> <td colspan="2">SCALE</td> <td colspan="2">1"=20'</td> </tr> </tbody> </table>	NO.	REVISED	BY	APP.	DESIGNED	PHILIP LEE			DRAWN	PHILIP LEE			CHECKED	FLAVIO BARRANTES			DATE	MAY 2018			SCALE		1"=20'		CITY OF ALAMEDA CALIFORNIA ENGINEERING DEPARTMENT	APPROVED BY CITY ENGINEER DATE 6/29/2018
	NO.	REVISED	BY	APP.																						
DESIGNED	PHILIP LEE																									
DRAWN	PHILIP LEE																									
CHECKED	FLAVIO BARRANTES																									
DATE	MAY 2018																									
SCALE		1"=20'																								
<table border="1"> <tr> <td> CYCLIC SEWER REPLACEMENT PROJECT, PHASE 15 </td> <td> SHEET 24 OF 39 DWG. CASE 9412 35 </td> </tr> </table>	CYCLIC SEWER REPLACEMENT PROJECT, PHASE 15	SHEET 24 OF 39 DWG. CASE 9412 35																								
CYCLIC SEWER REPLACEMENT PROJECT, PHASE 15	SHEET 24 OF 39 DWG. CASE 9412 35																									



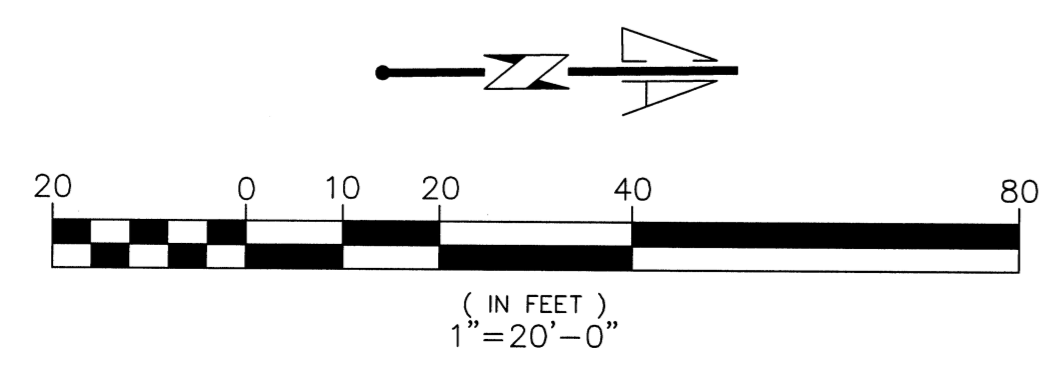


1 PROFILE - UNION STREET
 25 SCALE: HORIZONTAL: 1"=20'-0"
 VERTICAL 1"=4'-0"

MATCH LINE STA 6+80 - SEE SHEET 24



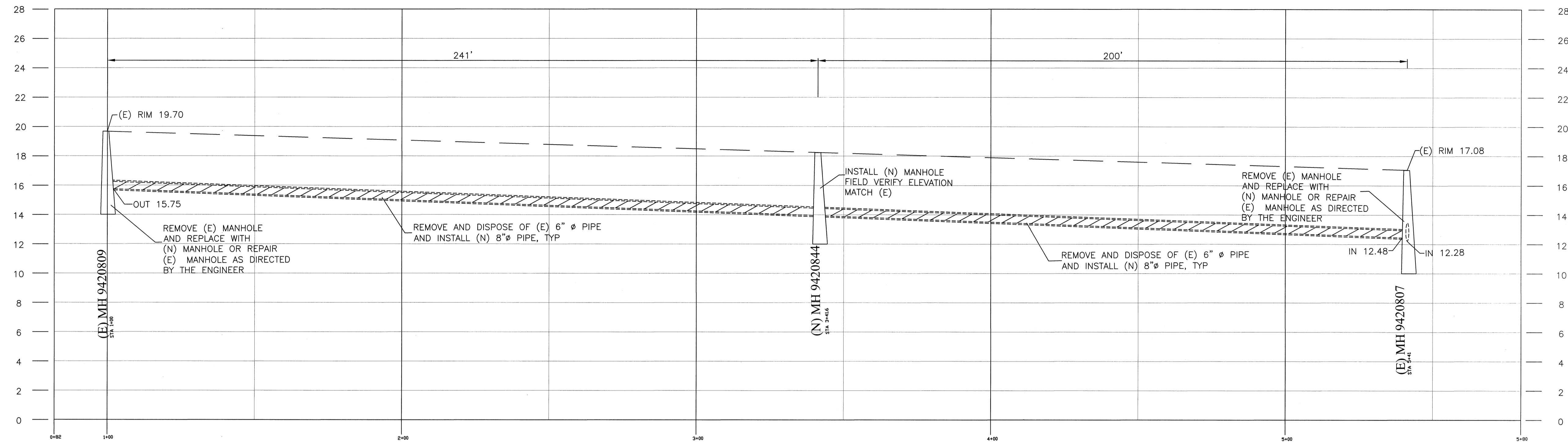
2 PLAN - UNION STREET
 25 SCALE: 1"=20'-0"



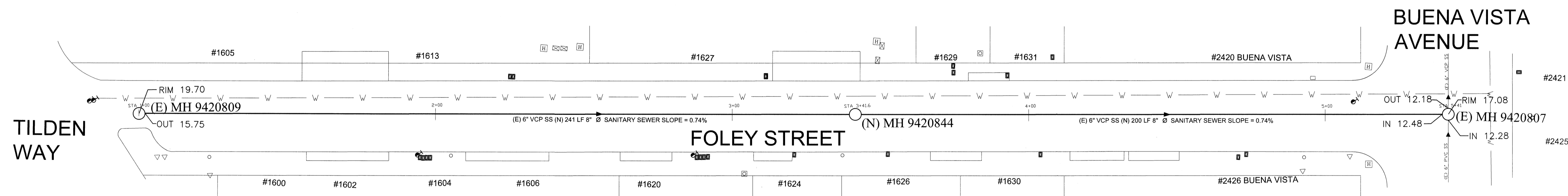
UNION STREET WEST OF SAN ANTONIO AVENUE

REFERENCE	CITY OF ALAMEDA CALIFORNIA ENGINEERING DEPARTMENT		APPROVED BY <i>[Signature]</i> CITY ENGINEER DATE 4/27/2018
	CYCLIC SEWER REPLACEMENT		
NO.	REVISED	BY	APP.
DESIGNED	PHILIP LEE		
DRAWN	PHILIP LEE		
CHECKED	FLAVIO BARCANTES		
DATE	MAY 2018	SCALE	1"=20'
PROJECT, PHASE 15			SHEET 25 OF 39 CASE 9412 35

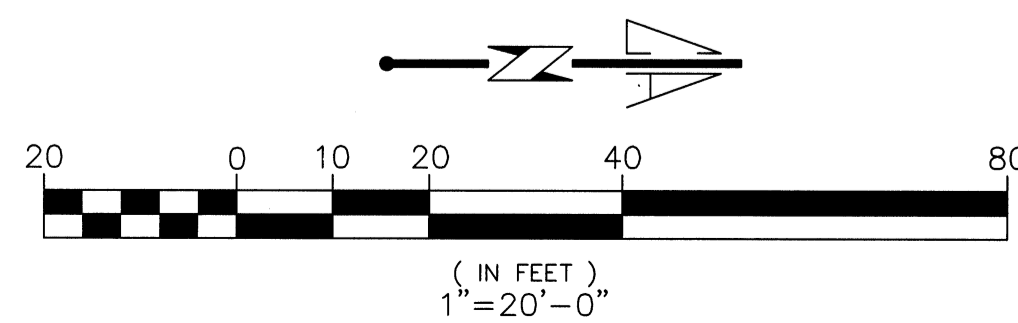




1 PROFILE - FOLEY STREET
 26 SCALE: HORIZONTAL: 1"=20'-0"
 VERTICAL 1"=4'-0"

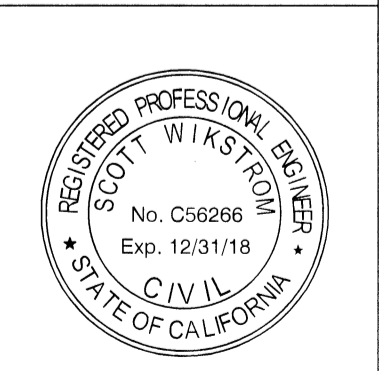


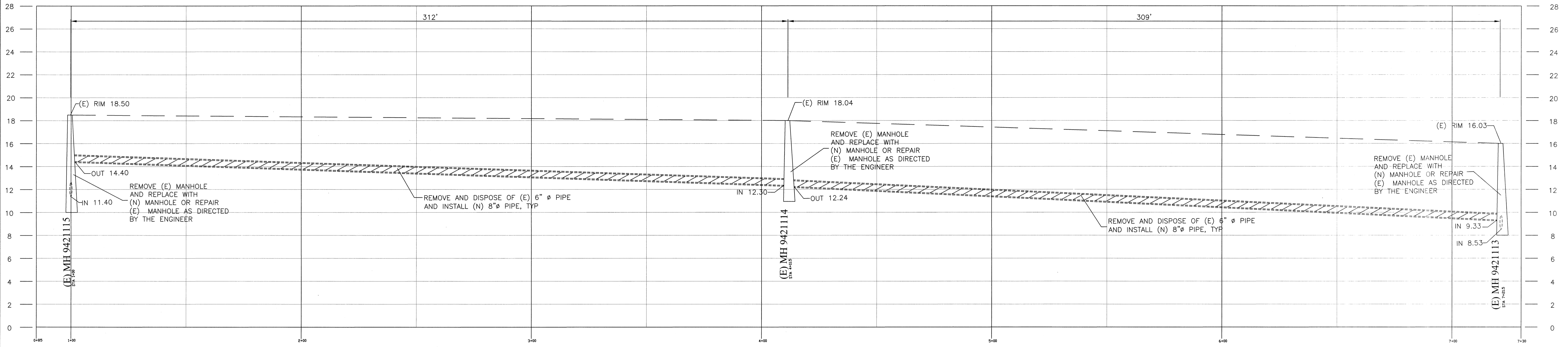
2 PLAN - FOLEY STREET
 26 SCALE: 1"=20'-0"



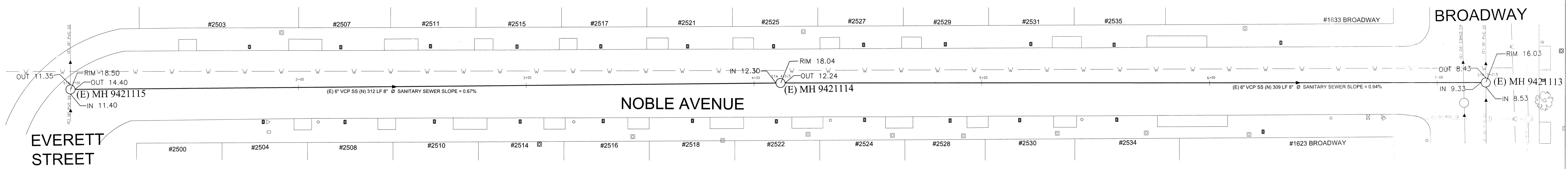
FOLEY STREET BETWEEN TILDEN WAY AND BUENA VISTA AVENUE

REFERENCE				CITY OF ALAMEDA CALIFORNIA ENGINEERING DEPARTMENT	
				APPROVED BY <i>[Signature]</i> CITY ENGINEER	
				DATE: 4/29/2018	
				SHEET 26 OF 39	
				CASE 9412 35	
				DESIGNED PHILIP LEE DRAWN PHILIP LEE CHECKED FLAVIO BARRANTES DATE MAY 2018 SCALE 1"=20'	
				CYCLIC SEWER REPLACEMENT PROJECT, PHASE 15	

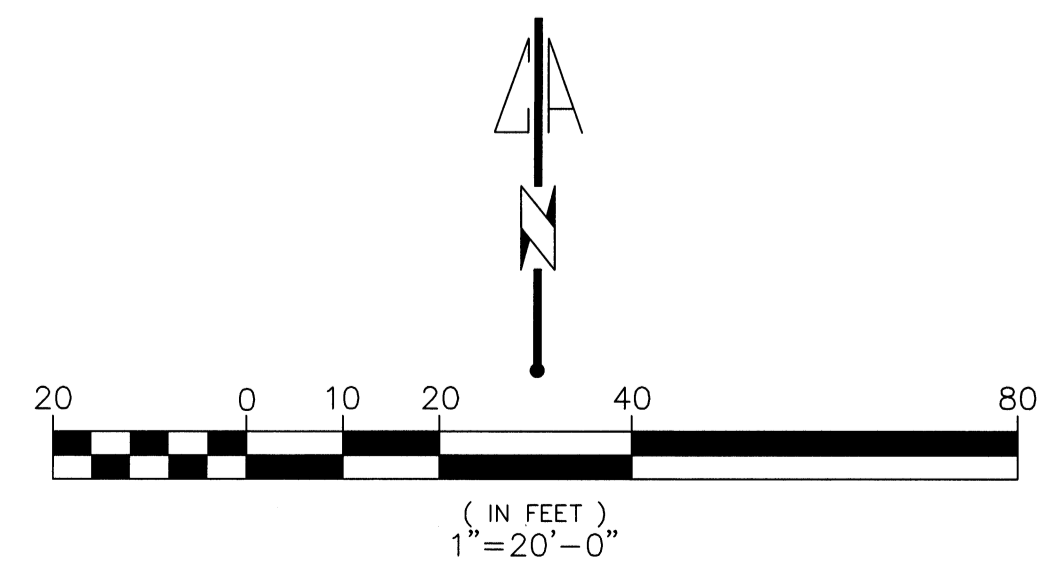




1 PROFILE - NOBLE AVENUE
 SCALE: HORIZONTAL: 1"=20'-0"
 VERTICAL 1"=4'-0"



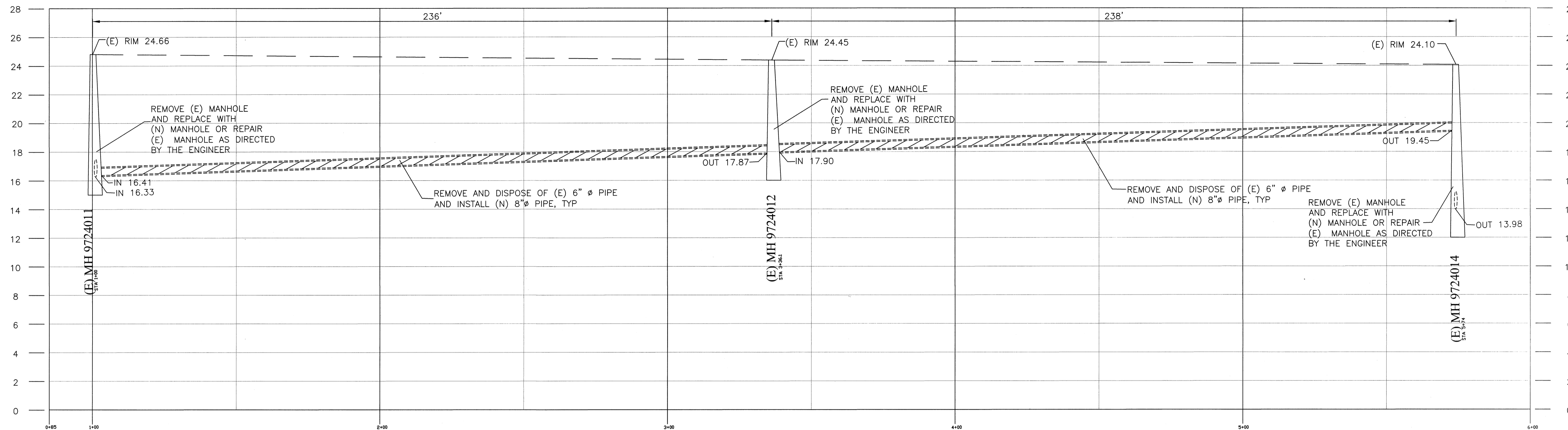
2 PLAN - NOBLE AVENUE
 SCALE: 1"=20'-0"



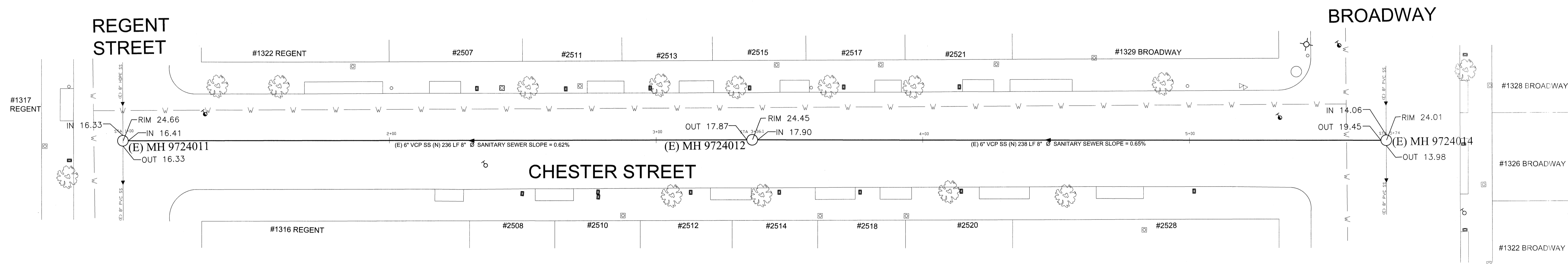
NOBLE AVENUE BETWEEN EVERETT STREET AND BROADWAY

<table border="1"> <thead> <tr> <th>NO.</th> <th>REVISED</th> <th>BY</th> <th>APP.</th> </tr> </thead> <tbody> <tr> <td>DESIGNED</td> <td>PHILIP LEE</td> <td></td> <td></td> </tr> <tr> <td>DRAWN</td> <td>PHILIP LEE</td> <td></td> <td></td> </tr> <tr> <td>CHECKED</td> <td>FLAVIO BARRANTES</td> <td></td> <td></td> </tr> <tr> <td>DATE</td> <td>MAY 2018</td> <td>SCALE</td> <td>1"=20'</td> </tr> </tbody> </table>	NO.	REVISED	BY	APP.	DESIGNED	PHILIP LEE			DRAWN	PHILIP LEE			CHECKED	FLAVIO BARRANTES			DATE	MAY 2018	SCALE	1"=20'	CITY OF ALAMEDA CALIFORNIA ENGINEERING DEPARTMENT	APPROVED BY CITY ENGINEER
	NO.	REVISED	BY	APP.																		
DESIGNED	PHILIP LEE																					
DRAWN	PHILIP LEE																					
CHECKED	FLAVIO BARRANTES																					
DATE	MAY 2018	SCALE	1"=20'																			
CYCLIC SEWER REPLACEMENT PROJECT, PHASE 15	DATE 6/29/2018 SHEET 27 OF 39 DWG. CASE 9412 35																					

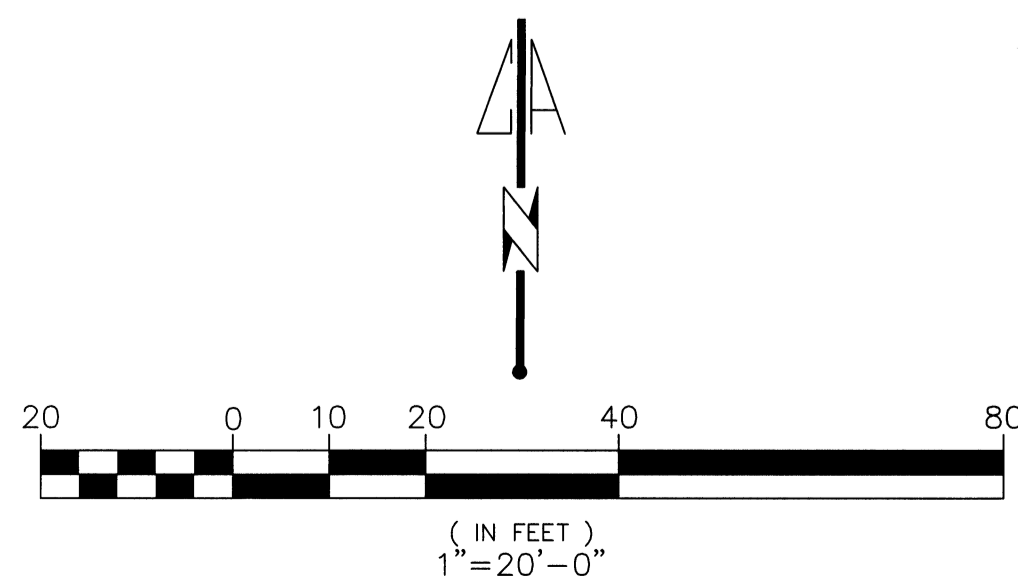




1 PROFILE - CHESTER STREET
 28 SCALE: HORIZONTAL: 1"=20'-0"
 VERTICAL 1"=4'-0"



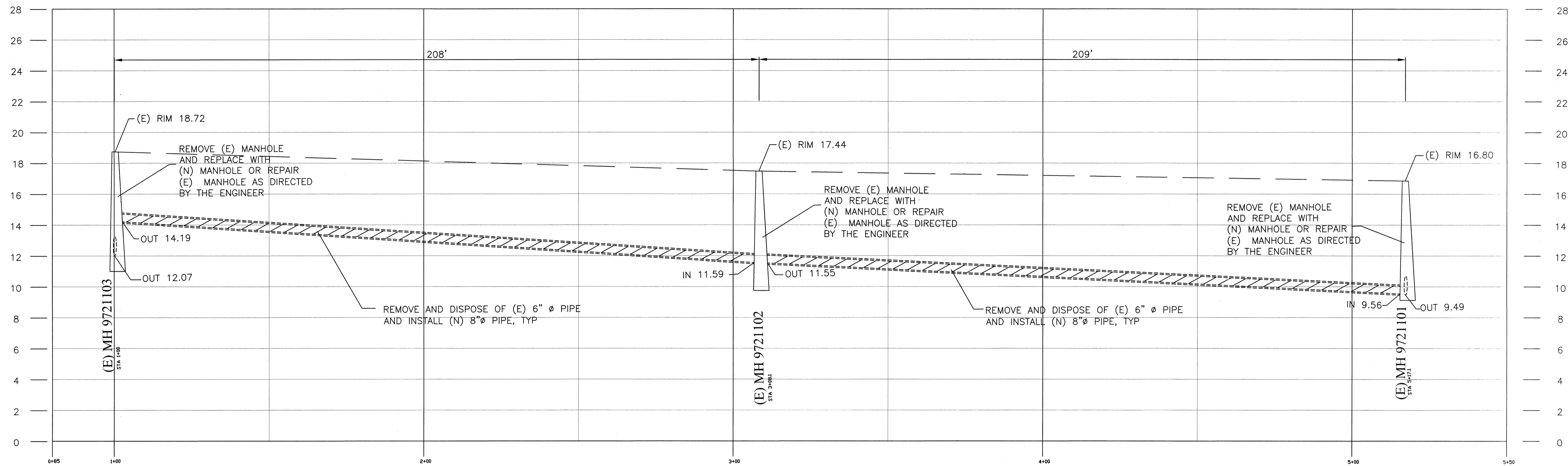
2 PLAN - CHESTER STREET
 28 SCALE: 1"=20'-0"



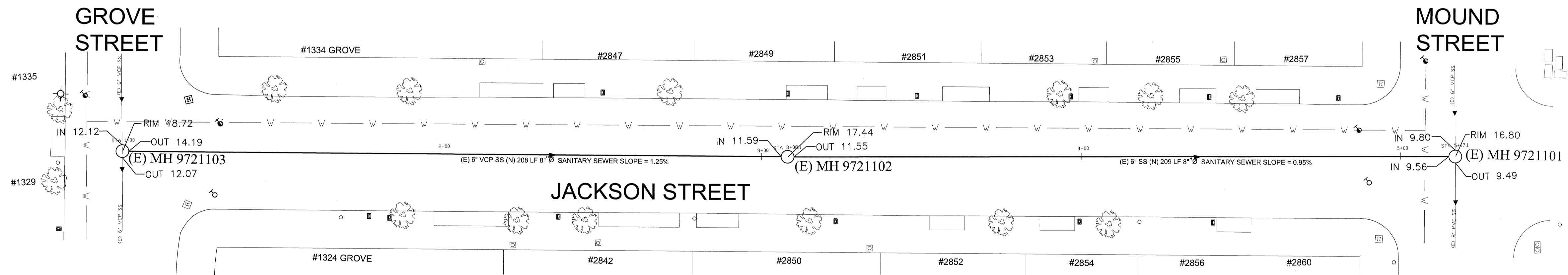
CHESTER STREET BETWEEN REGENT STREET AND BROADWAY

REFERENCE	CITY OF ALAMEDA CALIFORNIA ENGINEERING DEPARTMENT			APPROVED BY <i>[Signature]</i> CITY ENGINEER DATE 6/29/2018 SHEET 28 OF 39 DWC CASE 9412 35
	CYCLIC SEWER REPLACEMENT			
	PROJECT, PHASE 15			
	NO.	REVISED	BY APP.	
DESIGNED	PHILIP LEE			
DRAWN	PHILIP LEE			
CHECKED	FLAVIO BARRANTES			
DATE	MAY 2018	SCALE	1"=20'	

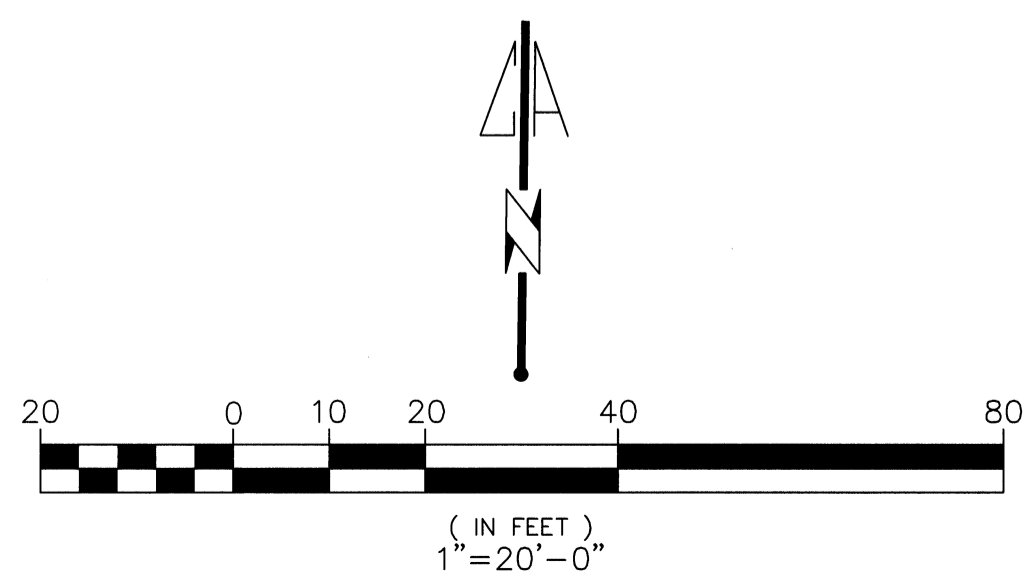




1 PROFILE - JACKSON STREET
 29 SCALE: HORIZONTAL: 1"=20'-0"
 VERTICAL 1"=4'-0"



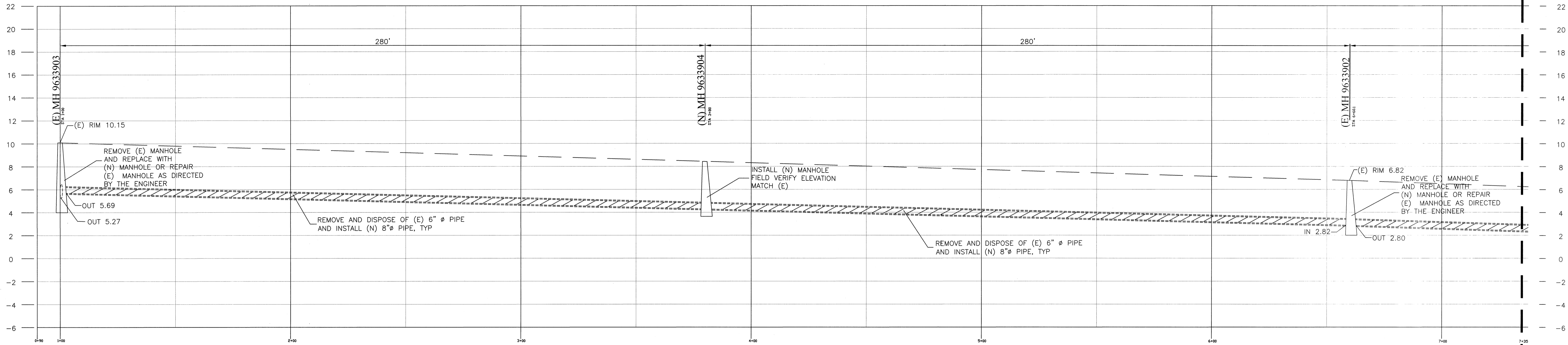
2 PLAN - JACKSON STREET
 29 SCALE: 1"=20'-0"



JACKSON STREET BETWEEN GROVE STREET AND MOUND STREET

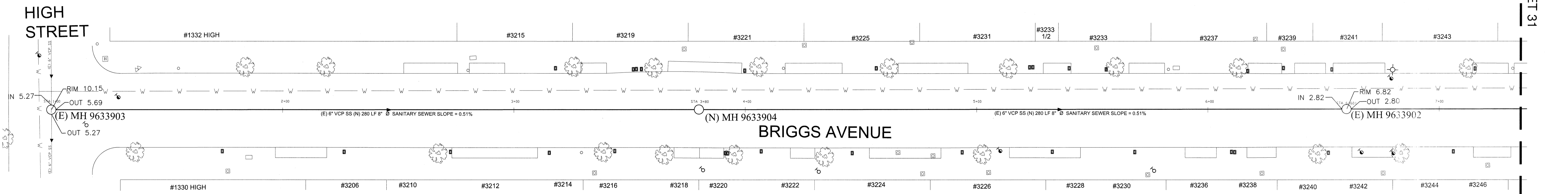
REFERENCE	CITY OF ALAMEDA CALIFORNIA ENGINEERING DEPARTMENT			APPROVED BY <i>[Signature]</i> CITY ENGINEER
	CYCLIC SEWER REPLACEMENT			
DESIGNED PHILIP LEE DRAWN PHILIP LEE CHECKED PLAVIO BARRANTES DATE MAY 2018 SCALE 1"=20'				PROJECT, PHASE 15 SHEET 29 OF 39 CASE 9412 35



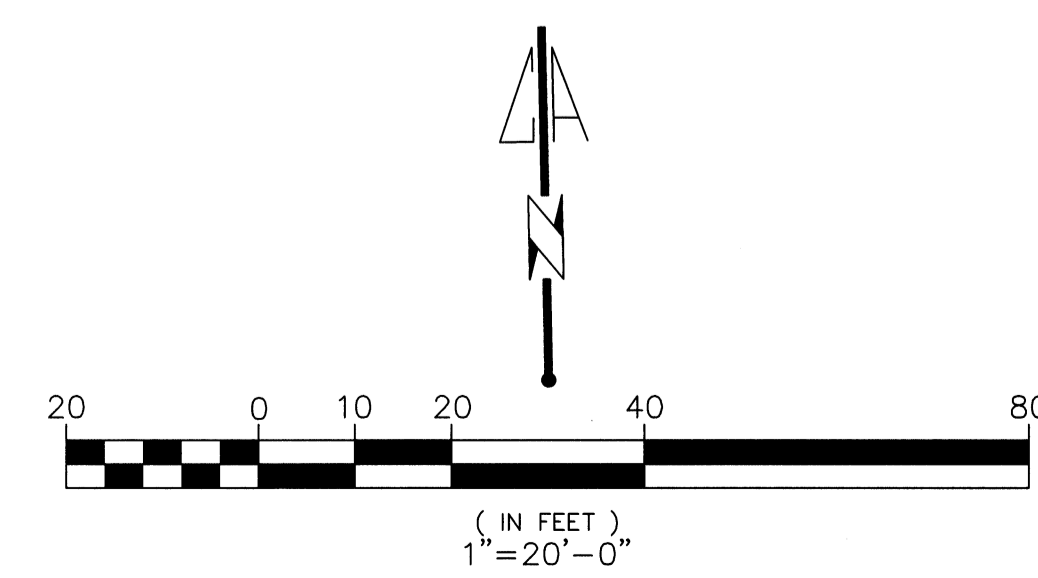


1 PROFILE - BRIGGS AVENUE
 SCALE: HORIZONTAL: 1"=20'-0"
 VERTICAL 1"=4'-0"

MATCH LINE STA 7+35 - SEE SHEET 31



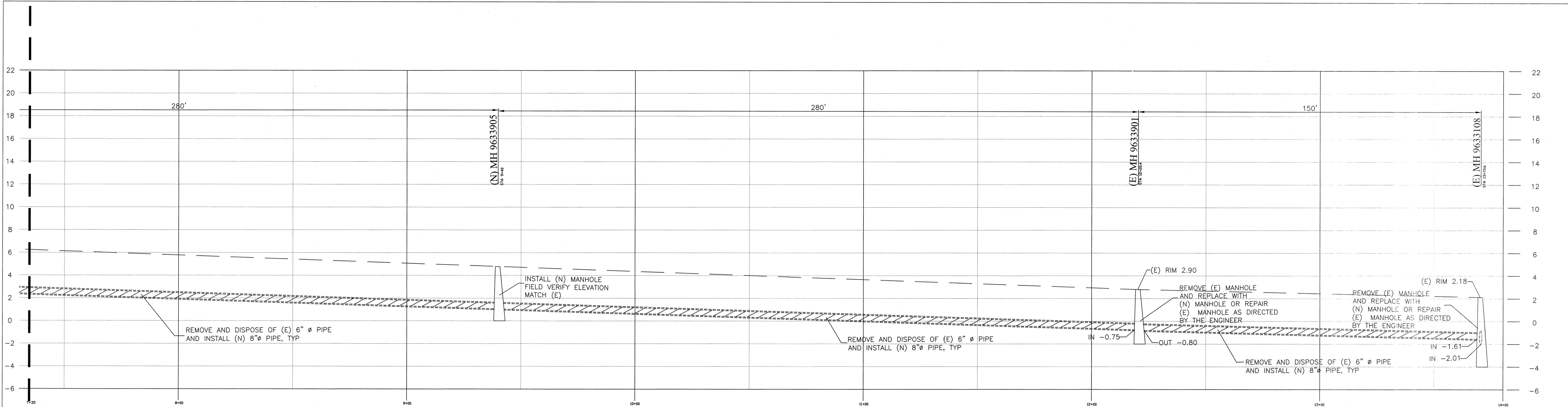
2 PLAN - BRIGGS AVENUE
 SCALE: 1"=20'-0"



BRIGGS AVENUE EAST OF HIGH STREET

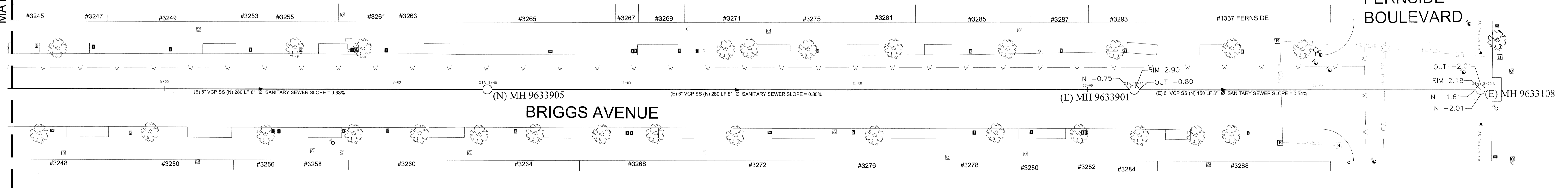
REFERENCE	CITY OF ALAMEDA CALIFORNIA ENGINEERING DEPARTMENT		APPROVED BY <i>[Signature]</i> CITY ENGINEER DATE: 4/21/2018
	CYCLIC SEWER REPLACEMENT		
DESIGNED: PHILIP LEE		PROJECT, PHASE 15	
DRAWN: PHILIP LEE		SHEET 30 OF 39	
CHECKED: FLAVIO BARRANTES		DWC OF CASE	
DATE: MAY 2018		SCALE: 1"=20'	
		9412 35	



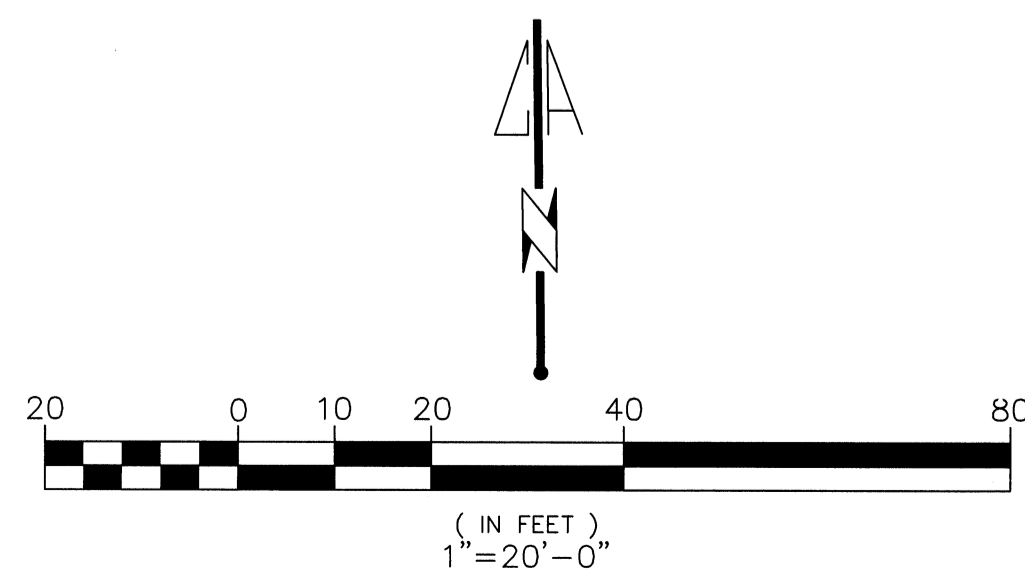


1 PROFILE - BRIGGS AVENUE
 SCALE: HORIZONTAL: 1"=20'-0"
 VERTICAL 1"=4'-0"

MATCH LINE STA 7+35 - SEE SHEET 30



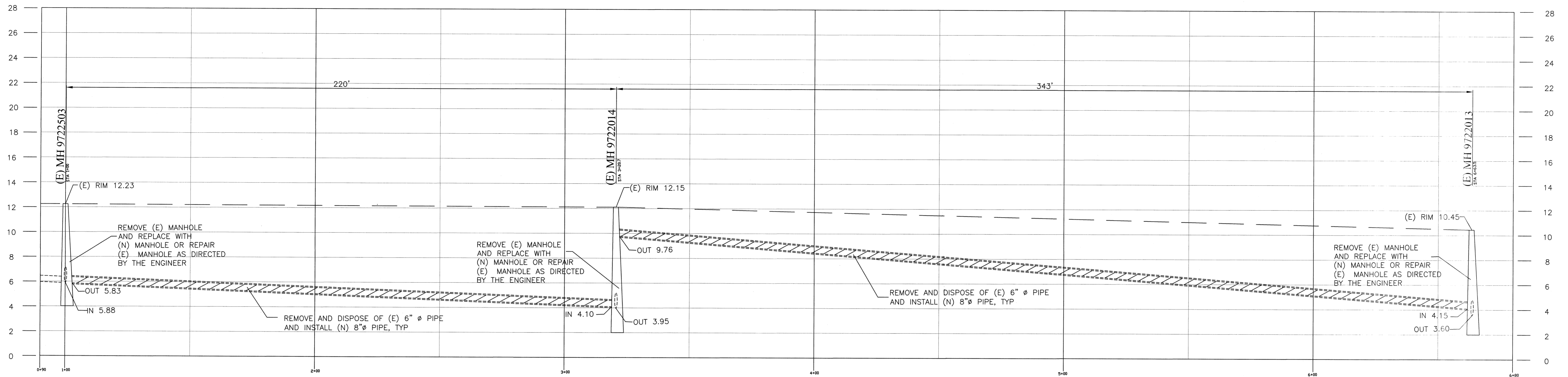
2 PLAN - BRIGGS AVENUE
 SCALE: 1"=20'-0"



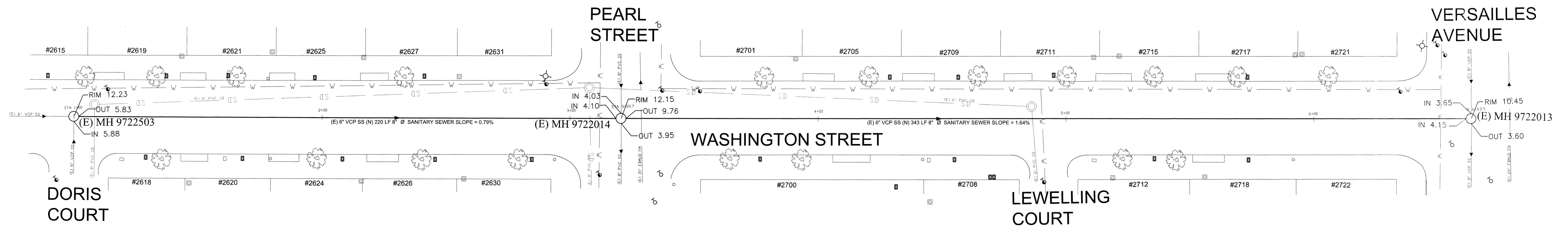
BRIGGS AVENUE WEST OF FERNISIDE BOULEVARD

REFERENCE	CITY OF ALAMEDA CALIFORNIA ENGINEERING DEPARTMENT		APPROVED BY <i>Scott Wikstrom</i> CITY ENGINEER DATE: 6/20/18
	CYCLIC SEWER REPLACEMENT PROJECT, PHASE 15		
NO.	REVISED	BY	APP.
DESIGNED PHILIP LEE			
DRAWN PHILIP LEE			
CHECKED PLAVIO BARRANTES			
DATE	SCALE		
MAY 2018	1"=20'		

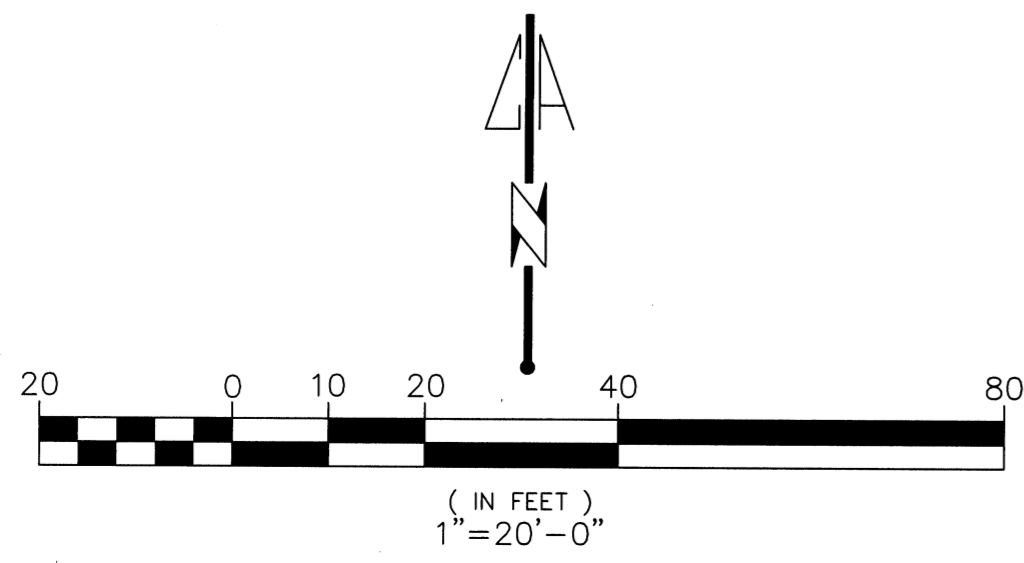




1 PROFILE - WASHINGTON STREET
 32 SCALE: HORIZONTAL: 1"=20'-0"
 VERTICAL 1"=4'-0"

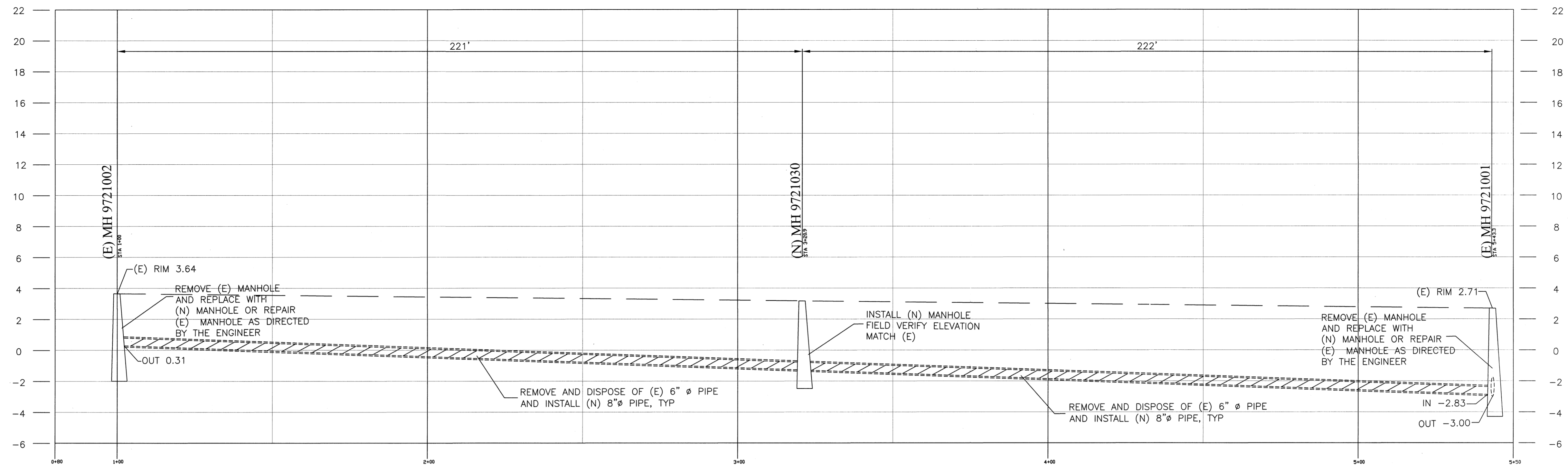


2 PLAN - WASHINGTON STREET
 32 SCALE: 1"=20'-0"

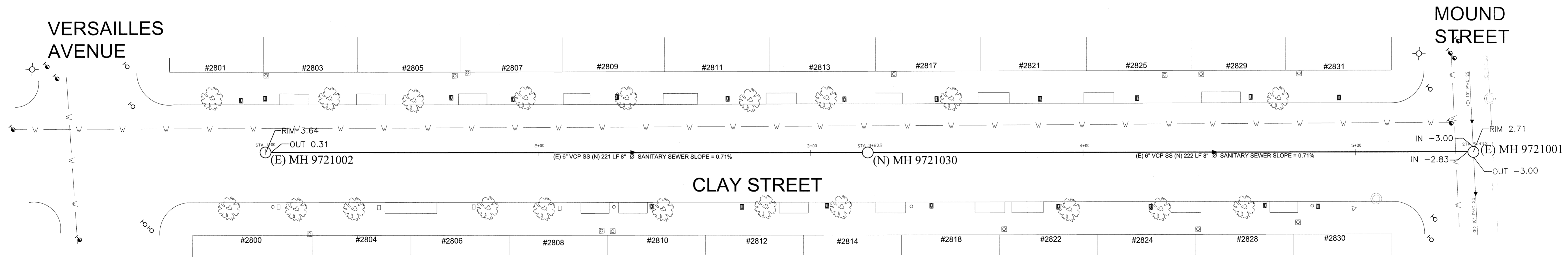


WASHINGTON STREET BETWEEN DORIS COURT AND VERSAILLES AVENUE

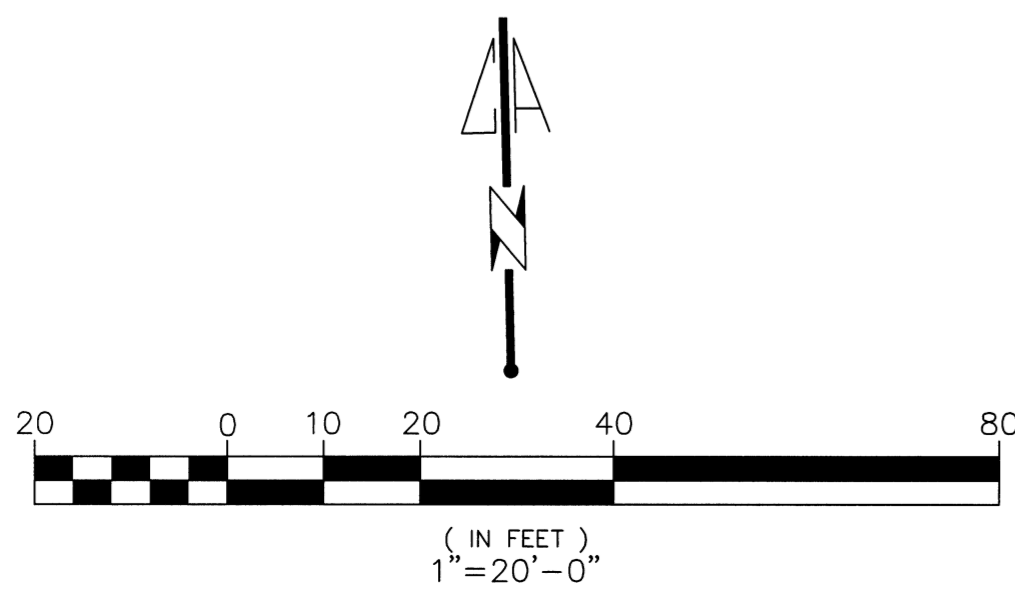
<table border="1"> <thead> <tr> <th>NO.</th> <th>REVISED</th> <th>BY</th> <th>APP.</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	NO.	REVISED	BY	APP.													CITY OF ALAMEDA CALIFORNIA ENGINEERING DEPARTMENT	APPROVED BY CITY ENGINEER
	NO.	REVISED	BY	APP.														
DESIGNED PHILIP LEE DRAWN PHILIP LEE CHECKED FLAVIO BARRANTES	CYCLIC SEWER REPLACEMENT PROJECT, PHASE 15	DATE 6/29/2018 SHEET 32 OF 39																
DATE MAY 2018 SCALE 1"=20'	REGISTERED PROFESSIONAL ENGINEER SCOTT WIKSTROM No. C56266 Exp. 12/31/18 CIVIL STATE OF CALIFORNIA	CASE 9412 35																



1 PROFILE - CLAY STREET
 33 SCALE: HORIZONTAL: 1"=20'-0"
 VERTICAL 1"=4'-0"



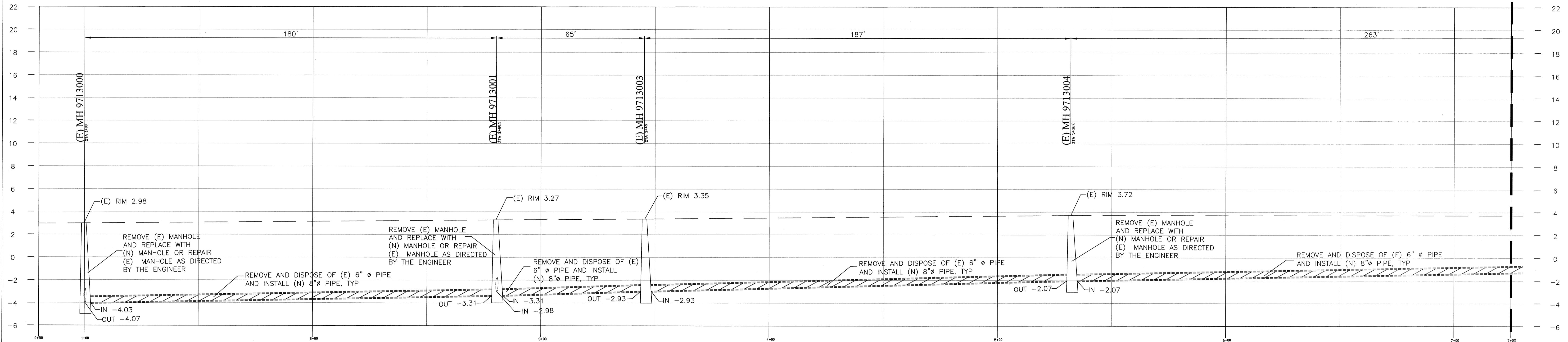
2 PLAN - CLAY STREET
 33 SCALE: 1"=20'-0"



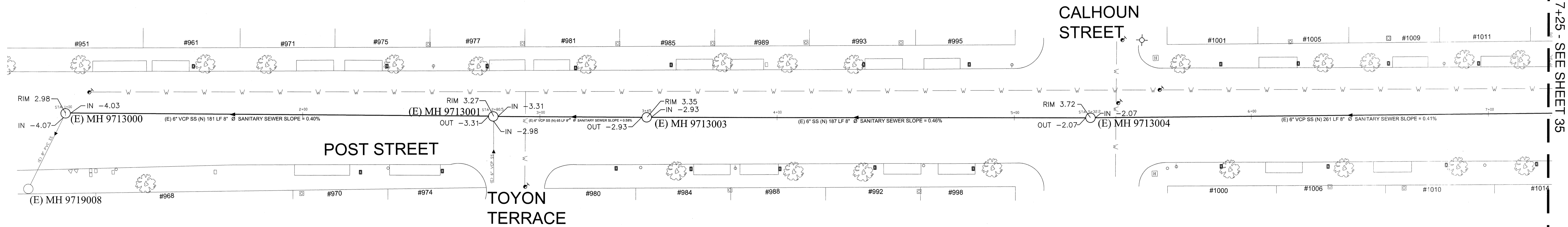
CLAY STREET BETWEEN VERSAILLES AVENUE AND MOUND STREET

<table border="1"> <thead> <tr> <th>NO.</th> <th>REVISED</th> <th>BY</th> <th>APP.</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	NO.	REVISED	BY	APP.													CITY OF ALAMEDA CALIFORNIA ENGINEERING DEPARTMENT CYCLIC SEWER REPLACEMENT PROJECT, PHASE 15	APPROVED BY CITY ENGINEER
	NO.	REVISED	BY	APP.														
DESIGNED PHILIP LEE DRAWN PHILIP LEE CHECKED FLAVIO BARRANTES	DATE MAY 2018	DATE 6/29/2018																
SCALE 1"=20'	SHEET 33	CASE 9412 35																

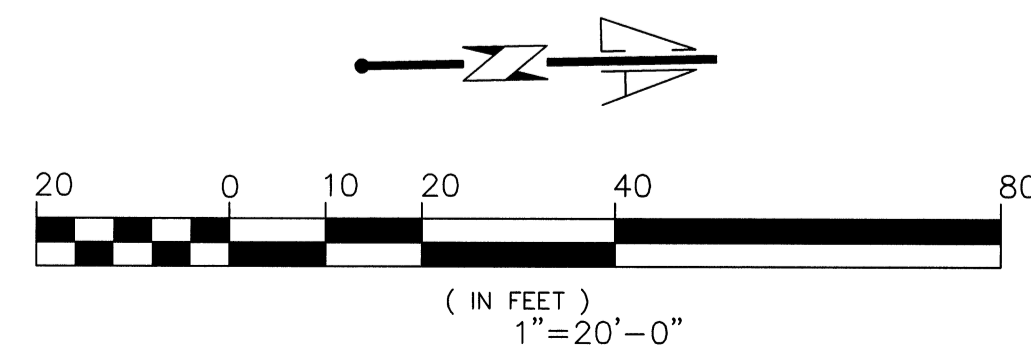




1 PROFILE - POST STREET
 SCALE: HORIZONTAL: 1"=20'-0"
 VERTICAL 1"=4'-0"



2 PLAN - POST STREET
 SCALE: 1"=20'-0"

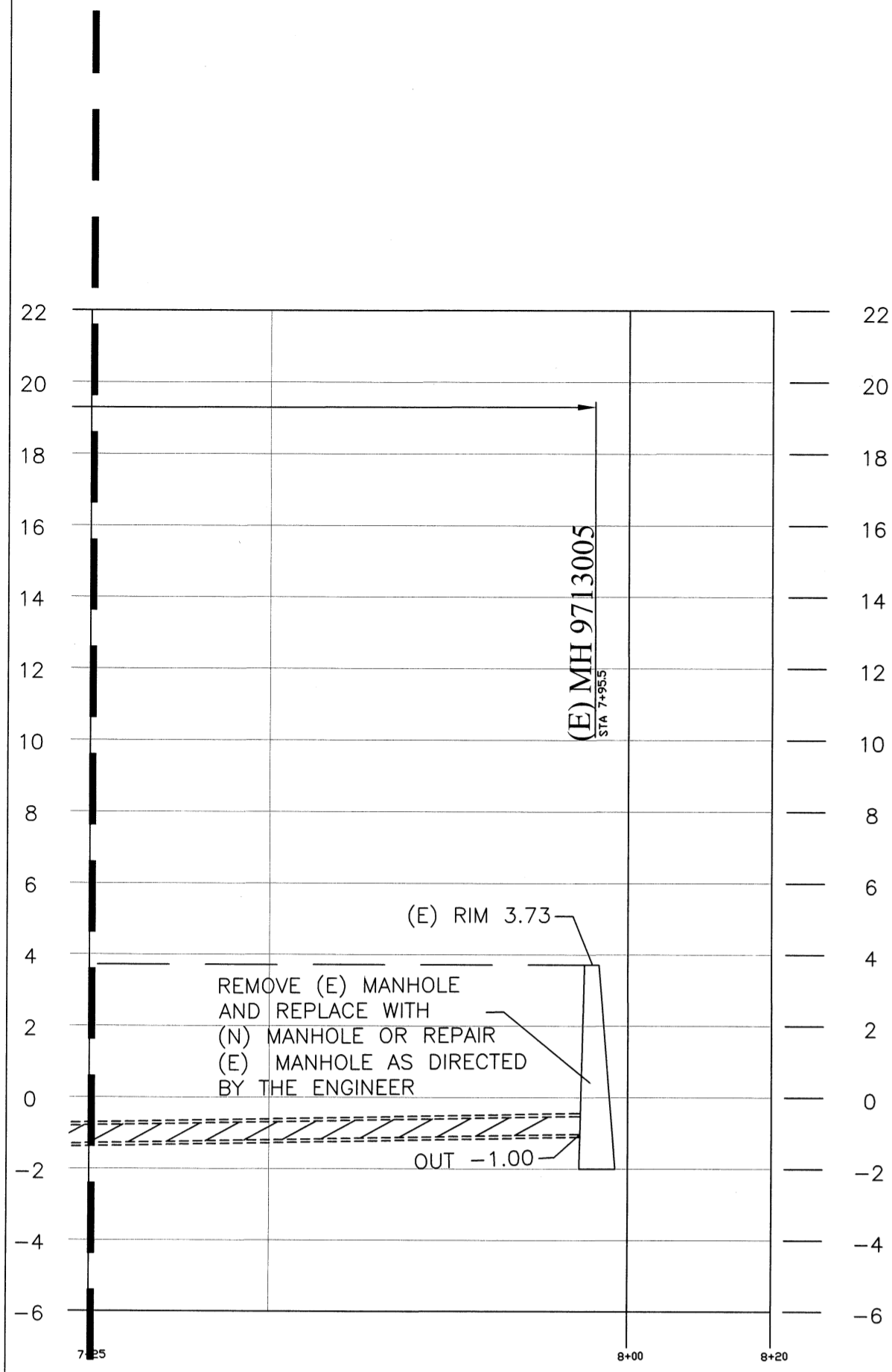


MATCH LINE STA 7+25 - SEE SHEET 35

POST STREET BETWEEN END AND CALHOUN STREET

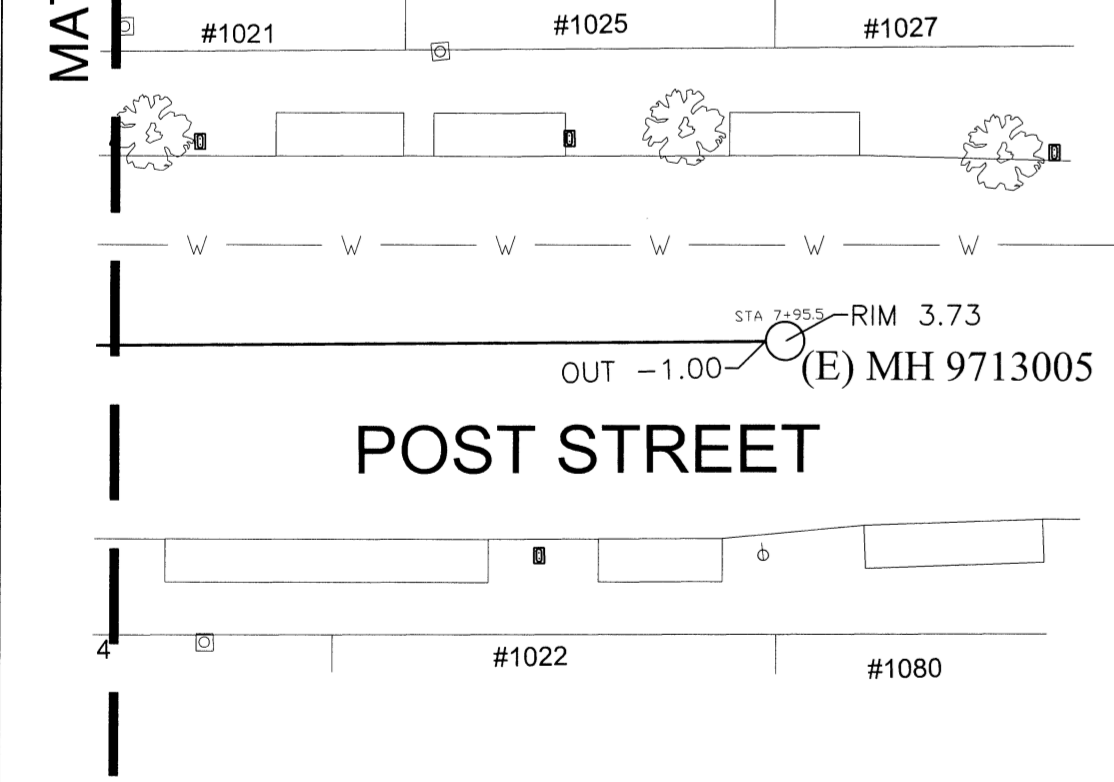
REFERENCE	CITY OF ALAMEDA CALIFORNIA ENGINEERING DEPARTMENT		APPROVED BY <i>[Signature]</i> CITY ENGINEER DATE: 6/29/2018
	CYCLIC SEWER REPLACEMENT PROJECT, PHASE 15		
DESIGNED	PHILIP LEE	BY	
DRAWN	PHILIP LEE	APP.	
CHECKED	PLAVIO BARRANTES	DATE	MAY 2018
SCALE	1"=20'		



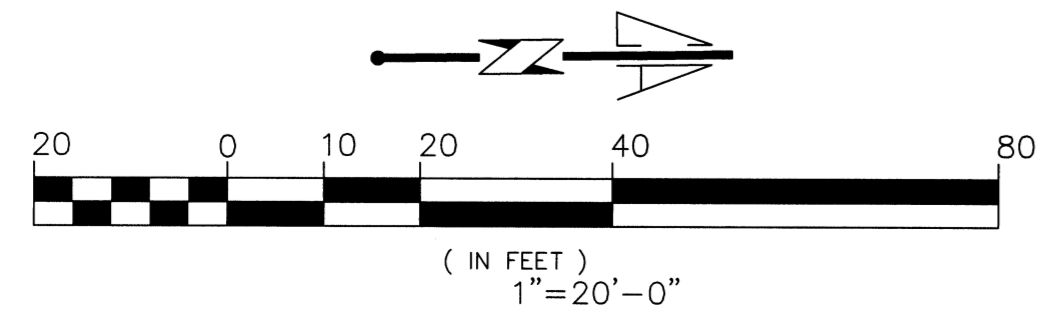


MATCH LINE STA 7+25 - SEE SHEET 34

1 PROFILE - POST STREET
35 SCALE: HORIZONTAL: 1"=20'-0"
 VERTICAL 1"=4'-0"



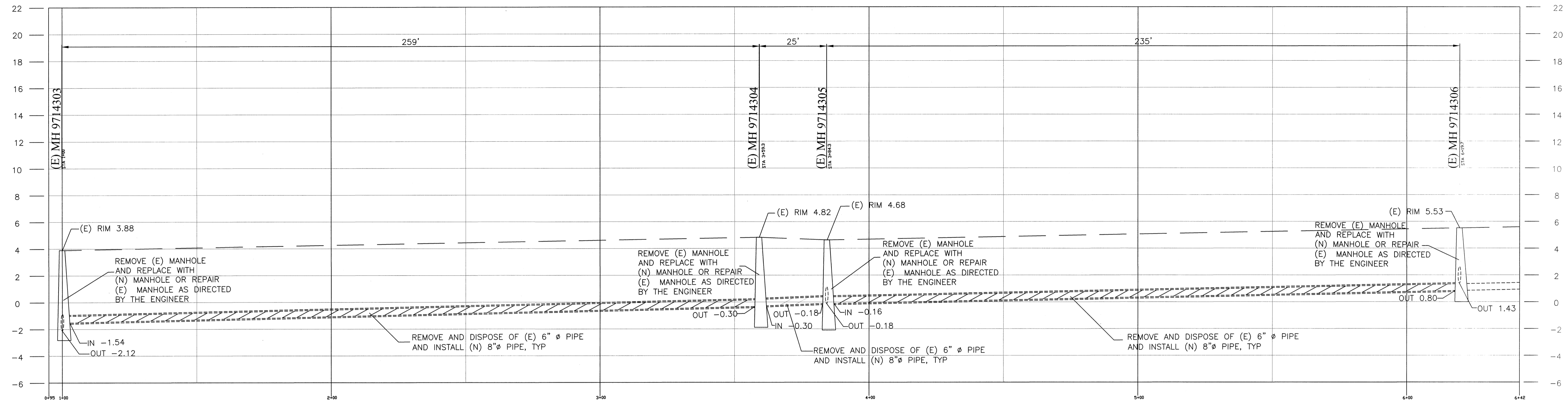
2 PLAN - POST STREET
35 SCALE: 1"=20'-0"



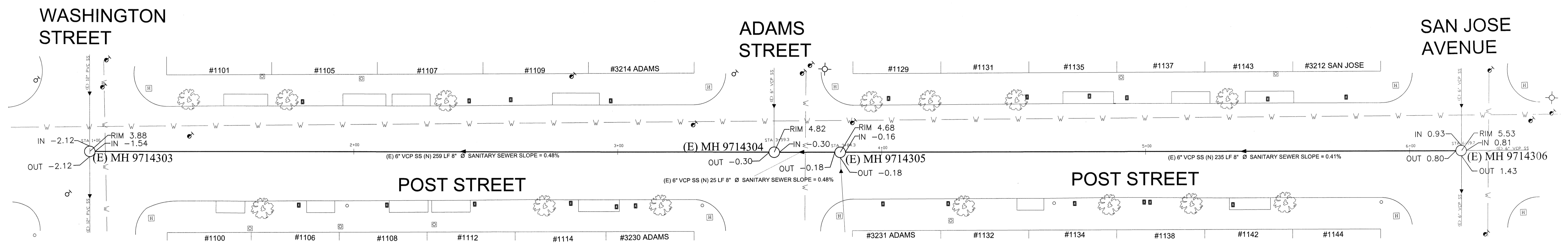
POST STREET NORTH OF CALHOUN STREET

REFERENCE					CITY OF ALAMEDA CALIFORNIA ENGINEERING DEPARTMENT	APPROVED BY <i>[Signature]</i> CITY ENGINEER
					CYCLIC SEWER REPLACEMENT PROJECT, PHASE 15	DATE 6/29/2018
						SHEET 35 OF 39
						DWG. CASE 9412 35

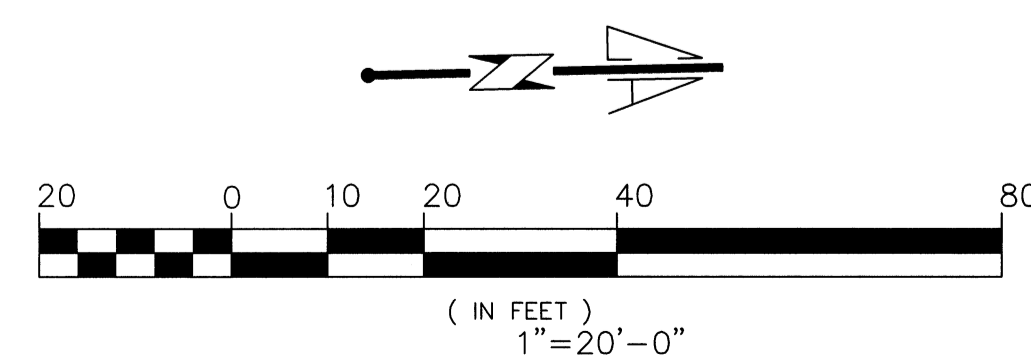




1 PROFILE - POST STREET
 SCALE: HORIZONTAL: 1"=20'-0"
 VERTICAL 1"=4'-0"



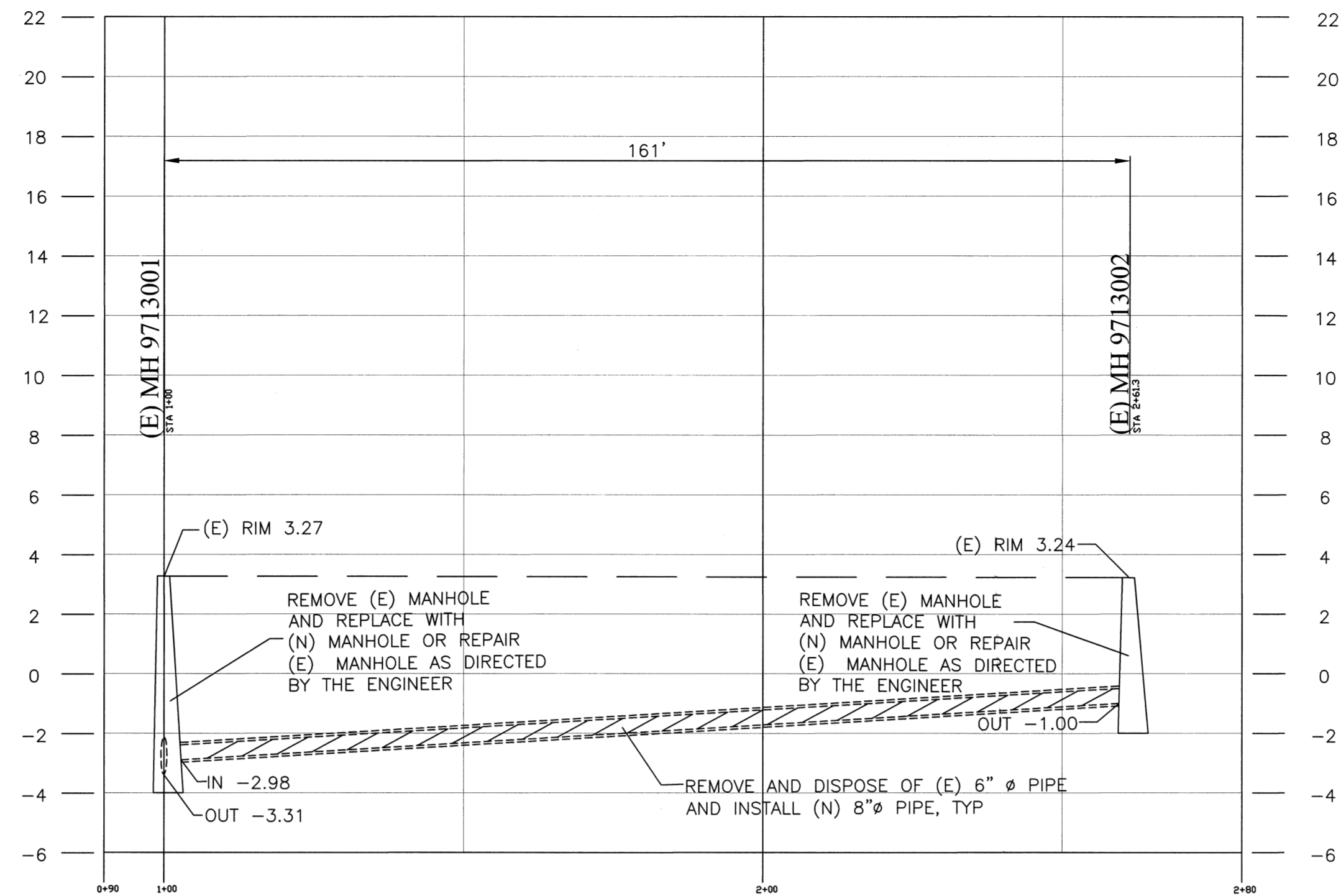
2 PLAN - POST STREET
 SCALE: 1"=20'-0"



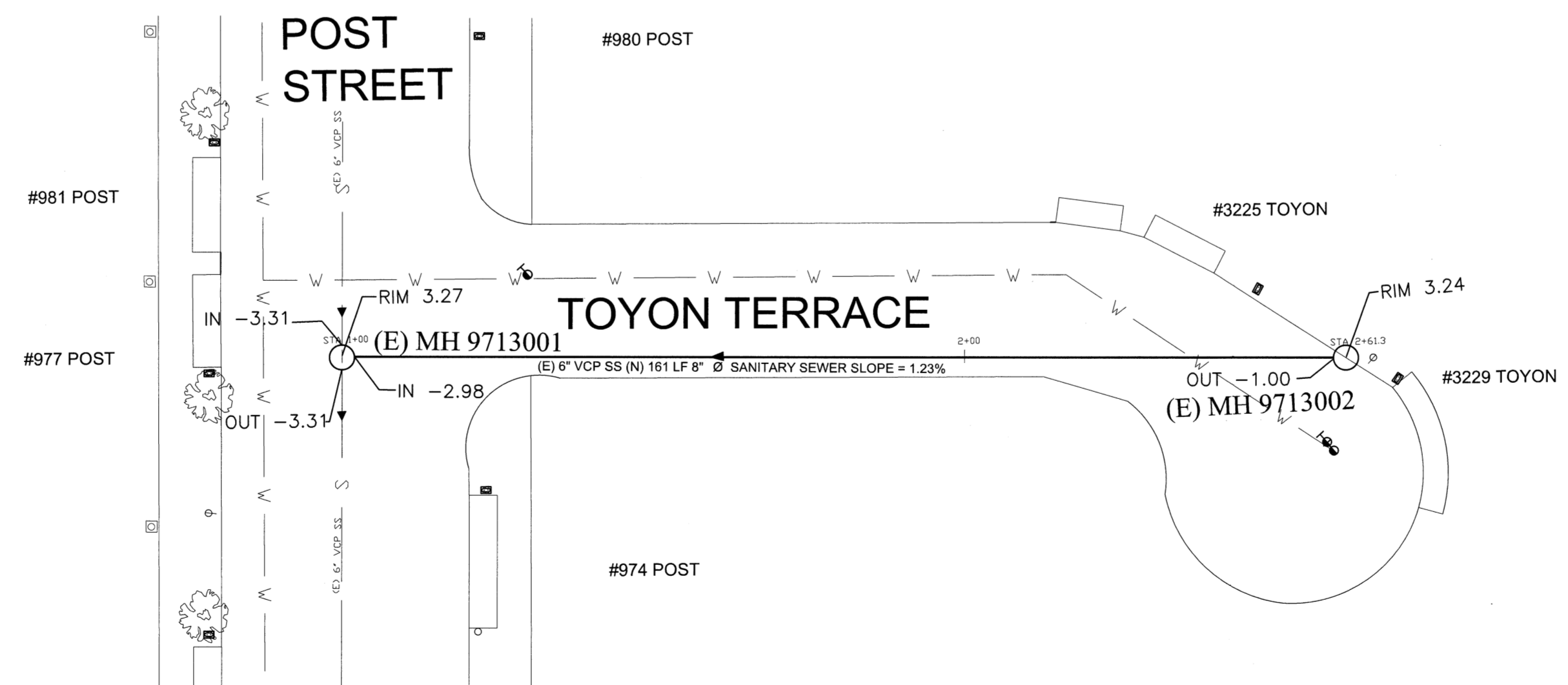
POST STREET BETWEEN WASHINGTON STREET AND SAN JOSE AVENUE

REFERENCE	CITY OF ALAMEDA CALIFORNIA ENGINEERING DEPARTMENT			APPROVED BY <i>Scott Wikstrom</i> CITY ENGINEER DATE: 4/29/2018
	CYCLIC SEWER REPLACEMENT PROJECT, PHASE 15			
NO. REVISION BY APP.		SCALE: 1"=20'		SHEET 36 OF 39 CASE 9412 35

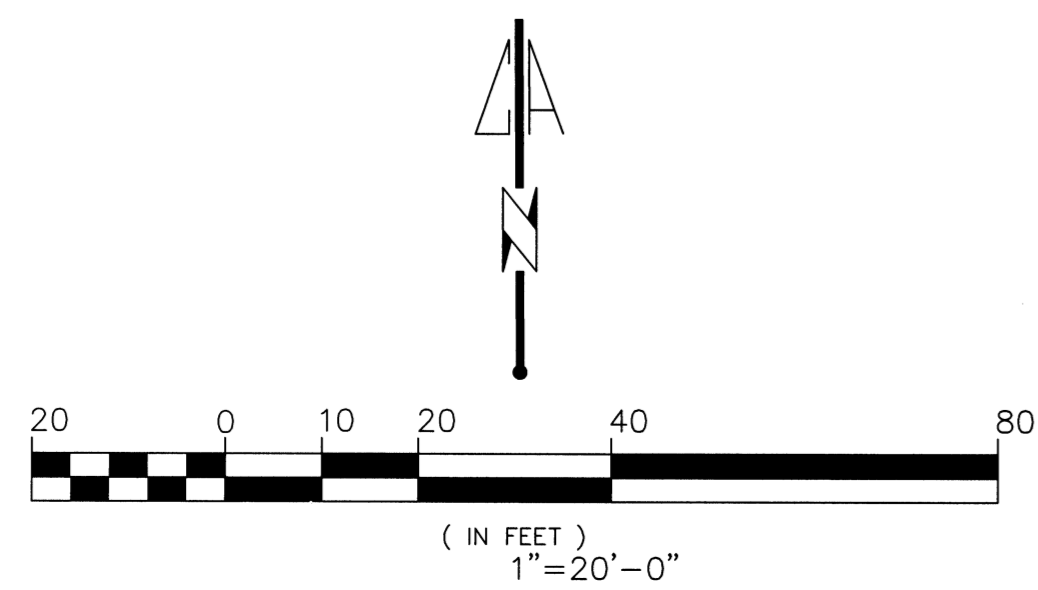




1 PROFILE - TOYON TERRACE
 SCALE: HORIZONTAL: 1"=20'-0"
 VERTICAL 1"=4'-0"

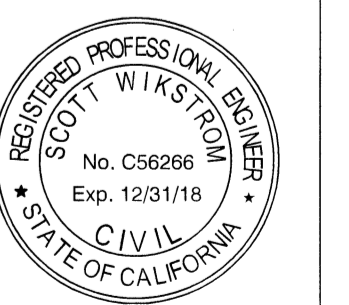


2 PLAN - TOYON TERRACE
 SCALE: 1"=20'-0"

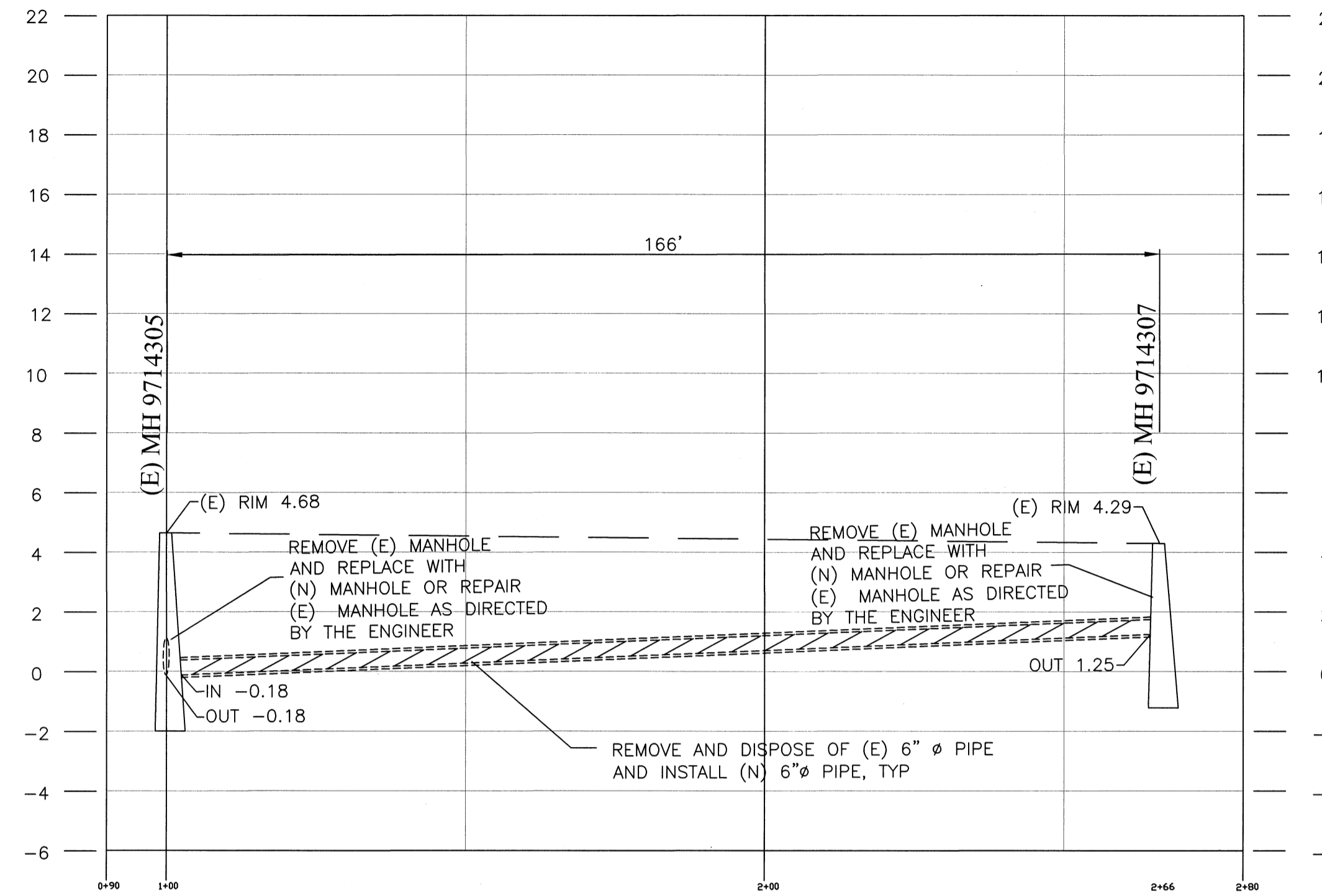


TOYON TERRACE BETWEEN POST STREET AND END

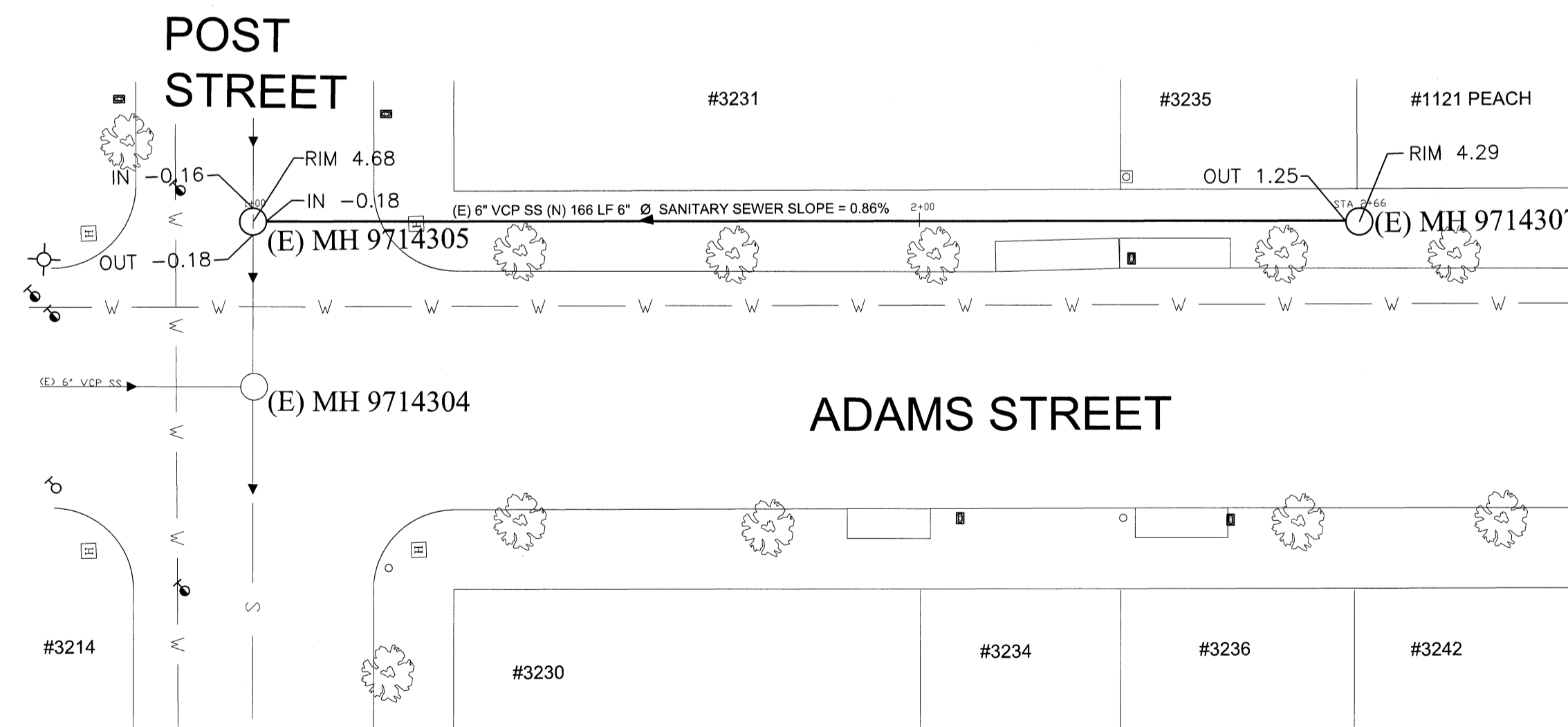
REFERENCE	CITY OF ALAMEDA CALIFORNIA ENGINEERING DEPARTMENT			
	CYCLIC SEWER REPLACEMENT			
NO.	REVISED	BY	APP.	PROJECT, PHASE 15
DESIGNED	PHILIP LEE			
DRAWN	PHILIP LEE			
CHECKED	FLAVIO PARRANTES			
DATE	MAY 2018	SCALE	1"=20'	



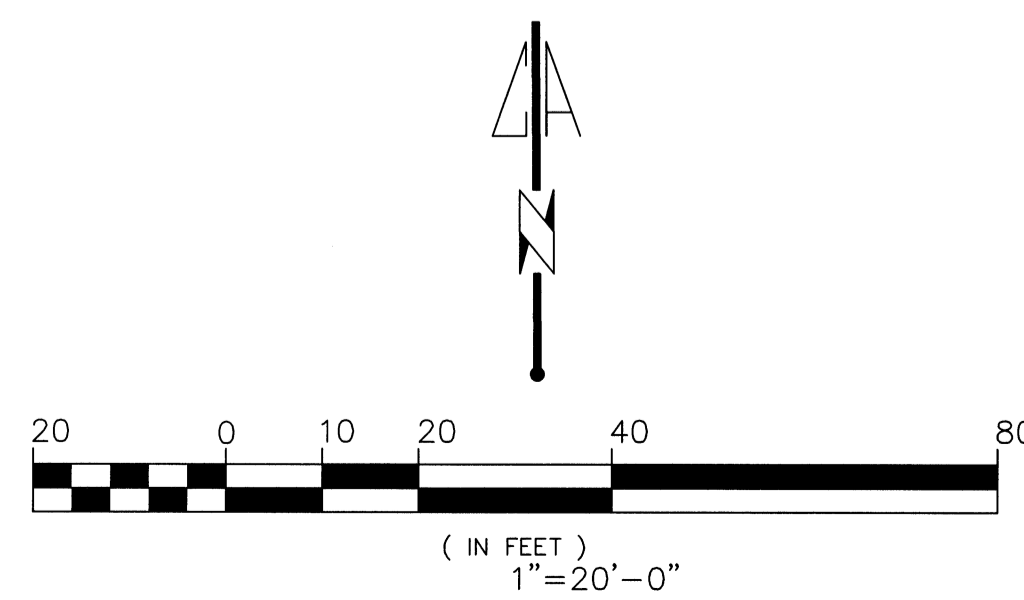
APPROVED BY	<i>[Signature]</i>
CITY ENGINEER	
DATE	6/29/2018
SHEET	37 OF 39
DWG.	9412
CASE	35



1 PROFILE - ADAMS STREET
 38 SCALE: HORIZONTAL: 1"=20'-0"
 VERTICAL 1"=4'-0"



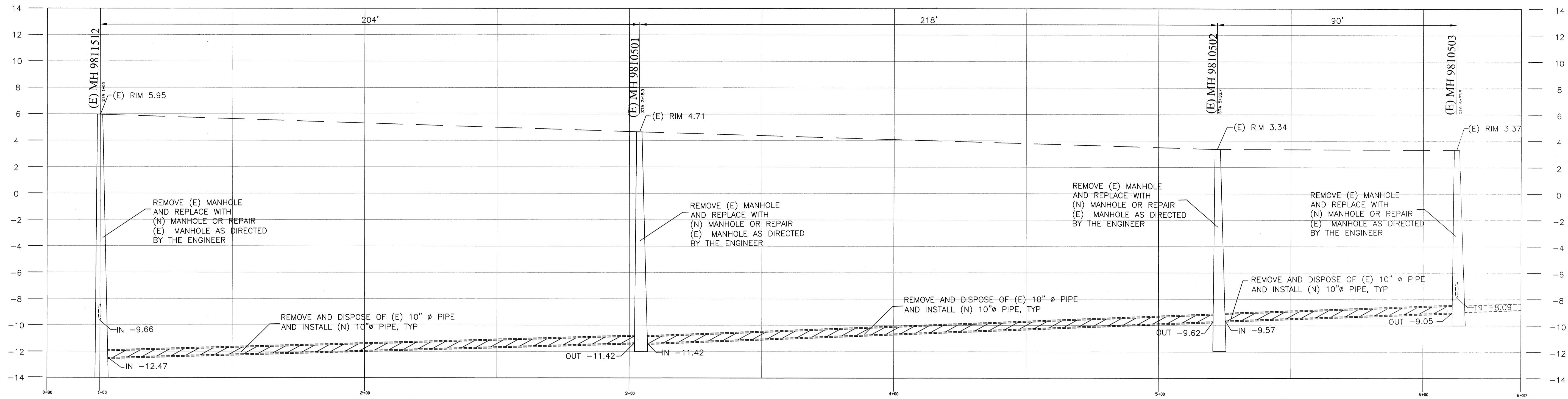
2 PLAN - ADAMS STREET
 38 SCALE: 1"=20'-0"



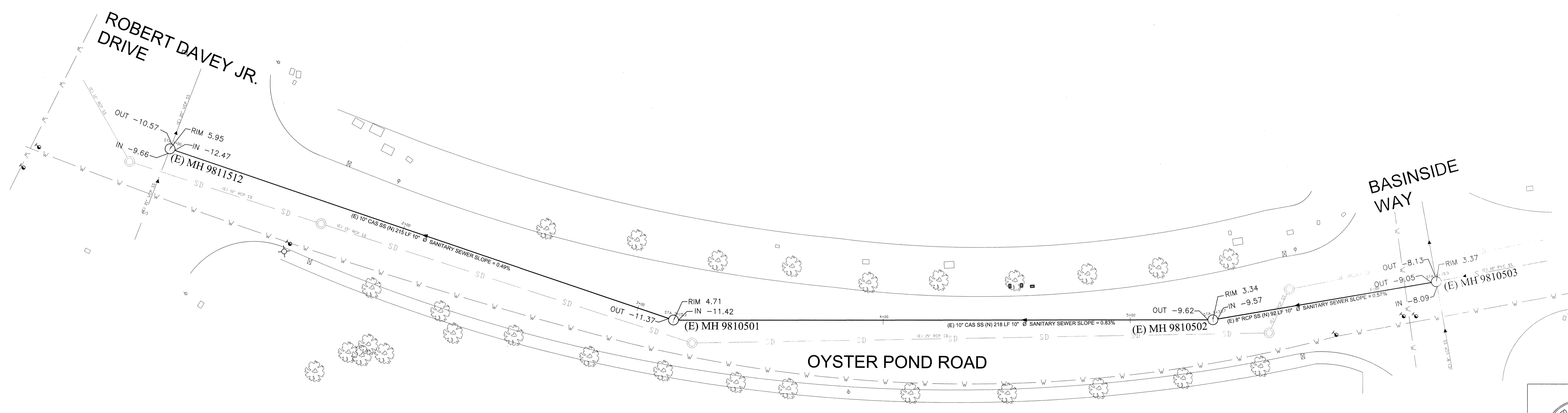
ADAMS STREET EAST OF POST STREET

REFERENCE				CITY OF ALAMEDA CALIFORNIA ENGINEERING DEPARTMENT	
				APPROVED BY <i>[Signature]</i> CITY ENGINEER	
				DATE 4/24/2018	
				DESIGNED PHILIP LEE	
				DRAWN PHILIP LEE	
				CHECKED FLAVIO BARRANTES	
				DATE MAY 2018	
				SCALE 1"=20'	
				CYCLIC SEWER REPLACEMENT	
				PROJECT, PHASE 15	
				SHEET 38 OF 39	
				DWC CASE 9412 35	

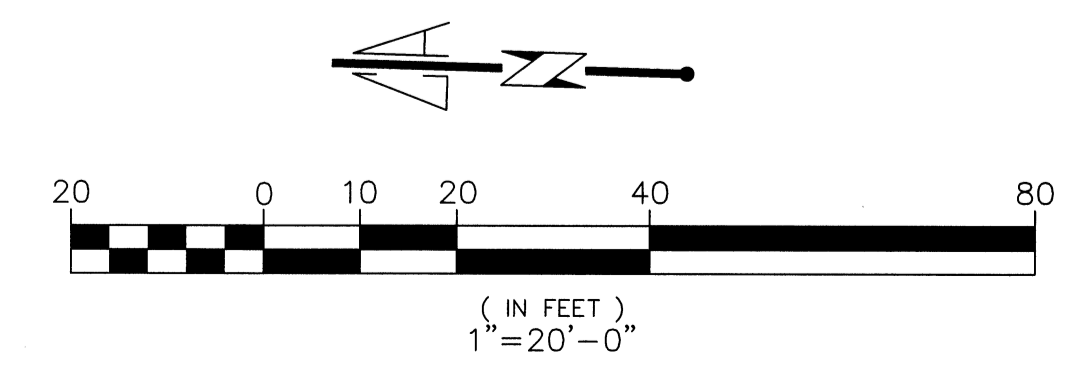




1 PROFILE - OYSTER POND ROAD
 SCALE: HORIZONTAL: 1"=20'-0"
 VERTICAL 1"=4'-0"



2 PLAN - OYSTER POND ROAD
 SCALE: 1"=20'-0"



OYSTER POND ROAD BETWEEN ROBERT DAVEY JR. DRIVE AND BASINSIDE WAY

REFERENCE	CITY OF ALAMEDA CALIFORNIA ENGINEERING DEPARTMENT		APPROVED BY <i>[Signature]</i> CITY ENGINEER
	CYCLIC SEWER REPLACEMENT		
DESIGNED PHILIP LEE		SHEET 39 OF 39	
DRAWN PHILIP LEE		CASE 9412 35	
CHECKED FLAVIO BARRANTES		PROJECT, PHASE 15	
DATE: MAY 2018		SCALE: 1"=20'	

