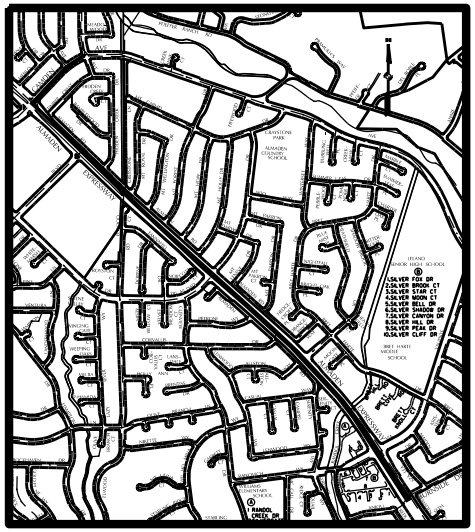
Appendix A

Project Plans

CITY OF SAN JOSE
DEPARTMENT OF PUBLIC WORKS
PLANS FOR

ALMADEN EXPRESSWAY
SANITARY SEWER IMPROVEMENT



LOCATION MAP
N.T.S.

PRELIMINARY
NOT FOR CONSTRUCTION
65% CHECKPRINT

INDEX

COVER SHEET	1
DETAILS, LEGENDS & NOTES	2–4
PLAN & PROFILE	5–12

APPROVED BY: _____

DAVID SYKES
ACTING DIRECTOR OF PUBLIC WORKS

DATE: _____

SHEET 1 OF 12
PROJECT ID NO. 6403

ALMADEN EXPRESSWAY SANITARY SEWER IMPROVEMENT – PROJECT ID NO. 6403

CONSTRUCTION GENERAL NOTES

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE 1992 CITY OF SAN JOSE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION AND STANDARD DETAILS AS ADOPTED BY THE CITY COUNCIL.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR THE VERIFICATION OF LOCATIONS AND DEPTHS OF EXISTING UTILITIES, BEFORE BEGINNING CONSTRUCTION. LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE AND FOR GENERAL INFORMATION ONLY. UTILITY COMPANIES AND USA SHALL BE NOTIFIED 48 HOURS PRIOR TO EXCAVATION WITHIN PROJECT AREA. (USA 800–227–2600).
3. CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO SERVICE LATERALS (GAS, WATER, STORM, SANITARY, AND MAIN), ELECTRICAL LINES, FIBER LINES, CABLE TV LINES, TELEPHONE LINES, i.e., WHICH ARE NOT SHOWN ON THESE PLANS. COORDINATE WITH UTILITY COMPANIES AND HAVE THEM MARK THESE LATERALS.
4. DURING CONSTRUCTION, INSTALL PLYWOOD PLATFORM WITHIN EXISTING MANHOLES TO KEEP DIRT AND DEBRIS FROM ENTERING STORM AND SANITARY PIPES.
5. CONTRACTOR SHALL SCHEDULE WORK SO AS TO MAINTAIN CONTINUOUS SEWER SERVICE DURING CONSTRUCTION PERIOD.
6. CONTRACTOR SHALL VERIFY ALL EXISTING SEWER INVERT ELEVATIONS PRIOR TO BEGINNING OF ANY MOBILIZATION AND WORK.
7. THE EXISTING PIPELINE HORIZONTAL AND VERTICAL ALIGNMENTS AND DIAMETERS SHOWN ON ALL SHEETS ARE ESTIMATED FROM RECORD INFORMATION. ACTUAL ALIGNMENTS MAY VARY FROM THOSE SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE HORIZONTAL AND VERTICAL ALIGNMENTS AND DIAMETER OF THE PIPE PRIOR TO ORDERING MATERIALS.
8. ALL SANITARY SEWER LATERALS (SS LAT) AS SHOWN ARE ESTIMATED LOCATIONS ONLY. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF LOCATION OF SANITARY SEWER LATERAL CONNECTIONS TO MAIN PRIOR TO UNDERGROUND WORK.
9. CONTRACTOR SHALL PROTECT OR REPLACE SURVEY MONUMENTS AND SURVEY CONTROL POINTS AS DIRECTED BY THE ENGINEER. NOTIFY THE CITY SURVEY SECTION AT (408) 975–7310 A MINIMUM OF 72 HOURS PRIOR TO DISTURBANCE SO THE MONUMENT CAN BE REFERENCED.

GEOTECHNICAL NOTES

1. BORING LOCATIONS NUMBERED ONE (1) THROUGH XX (XX) ARE PART OF THE GEOTECHNICAL REPORTS DATED _____.
2. LOCATIONS SHOWN ON PLANS ARE APPROXIMATE AND FOR INFORMATION ONLY, REFER TO APPENDIX ___ FOR DRILLING LOG DATA.

BASIS OF CONTROL

Coordinates, Bearings, Distances, and Elevations are Based on The GPS RTK Survey Conducted on November 30, 2010 Referencing The NAD83, Zone III. Epoch 2002.00, Horizontal Datum and The NAVD88 (Geoid 03) Vertical Datum.

The Survey Control Points Listed are Grid and are Based on a CSJ GPS Network. To Produce Ground Distances, Apply The Factor of 1.00003519207

REFERENCES

CSJ FILE # 11–042

SURVEY GENERAL NOTES

1. This map represents topography of surface features only.
2. Unless specified on this map, locations of utilities are neither intended nor implied.
3. For the locations of underground utilities call "USA" (1–800–642–2444).
4. Surface features are located by means of a station and offset from the street control line.
5. Curbline offsets are to face of curb.
6. Manhole and drop inlet offsets are to their respective centers. Hooded inlets (catch basins) are located by center of the top of hood at face of curb, unless otherwise noted.
7. Inverts for hooded inlets are measured from the top of hood, and inverts for manholes are measured from the rim.

This product constitutes our professional work. The information supplied on the dated electronic file may include raw field data which was not necessarily used in the final product. In the event the electronic file data is used to alter the product supplied, we shall not be responsible for any product derived from the altered or modified data which has not been reviewed and approved by the Survey Section.

Land Surveyor for the City of San Jose

CURVE DATA

1	
Δ =	01° 51'00"
R =	6641.33'
L =	214.44'
2	
Δ =	05° 29'58"
R =	6000.00'
L =	575.90'
3	
Δ =	09° 11'00"
R =	4000.00'
L =	641.12'
4	
Δ =	15° 42'19"
R =	1000.00'
L =	274.11'
5	
Δ =	29° 42'24"
R =	420.00'
L =	217.76'

ABBREVIATIONS

AC	ASPHALT CONCRETE
AGG	AGGREGATE
BOW	BACK OF WALK
CON	CONDUIT
COMM	TRAFFIC SIGNAL COMMUNICATION CABLE
C	CURB
CIPP	CURED IN PLACE PIPE
CL	CHAIN LINK
CL	CENTERLINE
CP	CONCRETE PIPE
DICL	DUCTILE IRON CEMENT LINED
DIP	DUCTILE IRON PIPE
DLC	DETECTOR LOOP CABLES
ELEV.	ELEVATION
FL	FLOW LINE
FOC	FACE OF CURB
G	GUTTER
IRR	IRRIGATION
INV	INVERT
JT	JOINT
LAT	LATERAL
LT	LEFT
MH	MANHOLE
PCC	PORTLAND CEMENT CONCRETE
RCP	REINFORCED CONCRETE PIPE
REL	RELATIVE
ROW	RIGHT OF WAY
RT	RIGHT
SD	STORM DRAIN
SS	SANITARY SEWER
SOMCL	SOMASTIC COATED CEMENT LINED
SW	SIDEWALK
SL	STREET LIGHT CONDUCTORS
SVC	SERVICE CONDUCTORS
TS	TRAFFIC SIGNAL CONDUCTORS
VCP	VITRIFIED CLAY PIPE

PROJECT HORIZONTAL AND VERTICAL CONTROL POINTS

Control Point #	Elev.	Northing	Easting	Description
CP 1	234.01	1906483.44	6165421.10	Set Mag Nail Approximate Centerline of Camden Avenue, 120' West of Tamaplias Avenue
CP 2	243.32	1906092.88	6165105.34	Set Sawcut "+" in Center of Easterly Pork Chop Island at Southeasterly Return on Almaden Expressway at Camden Avenue
CP 3	243.68	1906044.77	6164937.82	Set Sawcut "+" on Pork Chop Island of Northwest Return on Almaden Expressway 9.5'West of Traffic Signal and 4.5'North of Face of Curb
CP 4	247.14	1905921.75	6165193.19	Set Hub & Tack 2.5'West of Easterly Face of Curb of Median Island on Almaden Expressway Approximatley 176'Southeast of Camden Avenue
CP 5	247.34	1905748.39	6165276.62	Set Sawcut "+" 3.5'West of Westerly Face of Curb on Almaden Expressway 80'South of Bus Stop 200' South of Camden Avenue
CP 6	252.05	1905390.63	6165646.10	Set Sawcut "+" 4'West of Face of Curb on Pork Chop Island West of Almaden Expressway at Crown Blvd.
CP 7	254.12	1905062.58	6166065.81	Set Hub in Southbound Median Island of Almaden Expressway 9'East of EP Approximately 300'North of Greystone Creek
CP 8	254.73	1904781.91	6166291.79	Set Nail & Shiner on Southbound Sidewalk of Almaden Expressway Approximately 40'South of Greystone Creek
CP 9	256.65	1904717.84	6166436.22	Set Hub on Southbound Median Island of Almaden Expressway 5'East of Face of Curb Approximately 200'South of Greystone Creek
CP 10	261.65	1904334.48	6166858.60	Set Nail & Shiner 0.5'West of EP Southbound Almaden Expressway Approximately 740'North of Trinidad Drive
CP 13	251.96	1905472.81	6165671.88	Set Hub on Northbound Median Island of Almaden Expressway 3'West of Face of Curb at Crown Blvd
CP 14	253.49	1905279.39	6165875.92	Set Hub on Northbound Median Island of Almaden Expressway 2'West of EP Approximately 250'South Crown Blvd
CP 15	255.02	1904870.34	6166371.04	Set Sawcut "+" 2.5'East of Easterly Face of Curb on Almaden Expressway at Bus Stop Opposite of Greystone Creek
CP 16	258.22	1904583.33	6166622.90	Set Hub on Northbound Median Island of Almaden Expressway 7.5'West of EP Approximately 420'South Greystone Creek
CP 17	263.59	1904230.40	6167029.11	Set Hub on Northbound Median Island of Almaden Expressway 1.5'West of EP Approximately 540'North Trindad Drive
CP 18	267.95	1903878.77	6167369.07	Set Mag Nail in Painted Island Southbound Almaden Expressway 22.5'West of Median Island Curb 3' North of Crosswalk at Trinidad Drive
CP 19	269.83	1903712.86	6167612.13	Set Mag Nail in Painted Island Northbound Almaden Expressway 21'East of Median Island Curb 195' South of Crosswalk at Trinidad Drive
CP 20	272.56	1903368.37	6167947.06	Set Hub on Southbound Median Island of Almaden Expressway 1.3'East of EP Approximately 100'North of Patroni Way
CP 21	274.51	1903237.82	6168144.92	Set Hub on Northbound Median Island of Almaden Expressway 1'West of EP Approximately 960'South of Trinidad Drive
CP 22	276.71	1903065.04	6168288.35	Set Hub on Southbound Median Island of Almaden Expressway 3'East of EP Approximately 50'North of Corvalis Drive
CP 23	297.90	1901481.00	6169631.23	Set Sawcut "+" on Southerly Median Island Nose on Almaden Expressway at Rajkovich Way
CP 24	303.87	1900996.65	6169922.03	Set Hub on Southbound Median Island of Almaden Expressway 2.5'East of EP Approximately 100'North of Burnside Drive
CP 25	304.10	1901030.12	6170136.10	Set Sawcut"+" on Northerly Face of Walk 20'East of Return on Burnside Drive at Almaden Expressway
CP 26	304.55	1900939.56	6170107.43	Set Nail & Shiner at Approximate Centerline of Almaden Expressway at Burnside Drive
CP 28	305.79	1900903.53	6170051.12	Set Nail & Shiner on Northbound Median Island of Almaden Expressway 3'East of EP Approximately 770'South of Rajkovich Way
CP 30	286.72	1902341.78	6168981.93	Set Nail & Shiner on Southbound Median Island of Almaden Expressway 0.2'West of EP Approximately 515'South of Shadowbrook Drive
CP 31	290.87	1902080.71	6169215.74	Set Hub on Southbound Median Island of Almaden Expressway 7'East of EP at Approximately Centerline of Randol Creek
CP 41	293.71	1901823.36	6169424.75	Set Sawcut "+" on East Top of Curb Northbound Median Island of Almaden Expressway 345'North of Rajkovich Way
CP 50	271.58	1903538.48	6167808.79	Set Nail & Shiner on Northbound Median Island of Almaden Expressway 0.2'West of EP Approximately 505'South of Trinidad Drive
CP 55	253.84	1904921.28	6166364.95	Set Mag Nail at Approximate Centerline on Almaden Road at Mt. Royal Drive
CP 100	235.11	1906712.54	6165843.10	Brass Pin on the Centerline of Camden Avenue 90.5'East of Redmond Avenue
CP 101	234.88	1906701.35	6165753.23	Brass Pin on the Centerline of Camden Avenue at Redmond Avenue
CP 102	234.26	1906654.08	6165635.85	Brass Pin on the Centerline of Camden Avenue 127'West of Redmond Avenue
CP 103	233.25	1906610.04	6165457.76	Brass Pin on the Centerline of Tamaplias Avenue 65'Northwest of the Centerline of Camden Avenue
CP 104	243.95	1906069.19	6165025.13	Iron Pipe In Box on the Centerline of Camden Avenue at Almaden Expressway
CP 105	250.53	1905442.28	6165681.48	Iron Pipe In Box on the Centerline of Almaden Expressway at Crown Blvd
CP 107	254.05	1904952.59	6166197.21	Iron Pipe In Box on the Centerline of Almaden Expressway 711.2'South of Crown Blvd
CP 108	281.15	1902733.33	6168644.23	Brass Disc in Box on the Centerline of Almaden Expressway at Shadowbrook Drive
CP 109	281.24	1902725.55	6168651.48	Brass Disc in Box on the Centerline of Almaden Expressway 10.6'South Shadowbrook Drive
CP 110	287.17	1902339.60	6169009.47	Brass Disc in Box on the Centerline of Almaden Expressway 537'South Shadowbrook Drive
CP 111	277.17	1903044.90	6168995.97	Brass Pin on the Centerline of Shadowbrook Drive at Bretheart Drive
CP 112	295.91	1901531.87	6169608.59	Brass Disc in Box on the Centerline of Almaden Expressway at Rajkovich Way
CP 113	292.92	1901836.49	6169405.78	Brass Disc in Box on the Centerline of Almaden Expressway 366'North Rajkovich Way
CP 114	307.07	1900745.53	6170131.97	Brass Disc in Box on the Centerline of Almaden Expressway 944.6'South Rajkovich Way
CP 115	302.54	1901064.26	6170258.47	Brass Pin on the Centerline of Burnside Drive at Azalea Drive
CP 140	266.92	1903654.84	6167498.44	Brass Pin on the Centerline of Almaden Road at Address 6775 Almaden Road
CP 220	278.92	1902960.99	6168446.85	Set Nail & Shiner on Northbound Median Island of Almaden Expressway 0.2'West of EP Approximately 300'North of Shadowbrook Drive
CP 250	257.83	1904531.73	6166558.38	Set Mag Nail & Shiner on Southbound Sidewalk of Almaden Expressway Approximately 405'South of Greystone Creek
CP 260	260.19	1904343.41	6166767.28	Set Mag Nail & Shiner on Southbound Sidewalk of Almaden Expressway Approximately 485'South of Greystone Creek
CP 300	250.04	1905677.39	6165454.17	Set Nail & Shiner 1.3'East Top of Curb Northbound Median Island of Almaden Expressway 325'North of Crown Blvd
CP 4073	258.76	1904520.68	6166754.56	Set Mag Nail in Northbound Bike Lane 4'West of East Top of Curb of Almaden Expressway Approximately 680'South of Greystone Creek
CP 5969		1902289.62	6169079.75	Set Nail & Shiner on Northbound Median Island of Almaden Expressway 0.3'East of EP Approximately 625'South of Shadowbrook Drive

ALMADEN EXPRESSWAY SANITARY SEWER IMPROVEMENT

DETAILS, LEGENDS, & GENERAL NOTES

6		
5		
4		
3		
2		
1		
	REVISIONS	DATE

CONSTRUCTION
ELECTRICAL
MATERIALS LAB
SANITARY
STORM
SURVEY

DEVELOPMENT
DEPARTMENT OF TRANSPORTATION
MAINTENANCE
TRAFFIC OPS.

CITY OF SAN JOSE
CAPITAL OF SILICON VALLEY

DEPARTMENT OF PUBLIC WORKS
SAN JOSE, CALIFORNIA

DRAWN BY: A. CASTRO/T. PACHECO
CHECKED BY: J. AQUINO
PROJ. ENGR.: H. PACHECO
DATE: OCTOBER 2011
SCALE: NTS
SHEET NO.: 2 OF 12 SHEETS

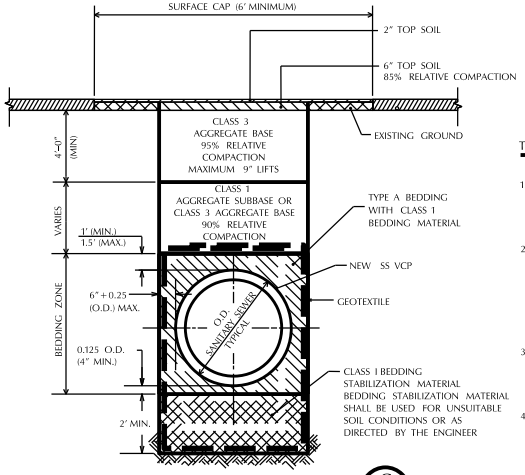
DAVID SYKES
ACTING DIRECTOR OF PUBLIC WORKS

PROJECT ID NO. 6403

ALMADEN EXPRESSWAY SANITARY SEWER IMPROVEMENT • PROJECT ID NO. 6403

GENERAL LEGEND

DESCRIPTION	EXISTING	TO BE CONSTRUCTED	TO BE REMOVED	TO BE JACK & BORE
CONTROL LINE	12+00			
CURB, GUTTER AND SIDEWALK				
DRIVEWAY				
ELECTROLIER				
FIBER OPTIC LINE AND PULL BOX	FO			
FIRE HYDRANT				
FLAT GRATE INLET				
GAS LINE	G			
GAS VALVE	GV			
HOODED INLET				
LOG OF BORING LOCATION				
PLUG				
PULL BOX				
RIGHT OF WAY				
SANITARY SEWER CLEANOUT	C			
SANITARY SEWER LATERAL LINE	SS LAT			
SANITARY SEWER MAIN LINE				
SANITARY SEWER MANHOLE				
STORM DRAIN LINE	SD			
STORM DRAIN MANHOLE				
STREET SIGN				
SURVEY CONTROL POINT				
TRAFFIC LOOP				
TREE				
WATER LINE	W			
WATER METER	W			
WATER VALVE	WV			
WHEEL CHAIR RAMP				
UTILITY POLE & GUY WIRE				
UTILITY VAULT				

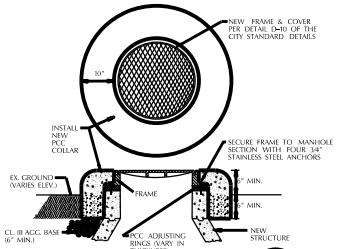


TRENCH BEDDING/BACKFILL
AND SURFACE RESTORATION
FOR NON-PAVED AREAS
NOT TO SCALE

C

TRENCH NOTES FOR DETAIL C

1. SHOVEL – SLICING OF BEDDING MATERIAL IN THE HAUNCH AREAS IS REQUIRED WHEN BEDDING IS NO HIGHER THAN THE QUARTER POINT OF THE PIPE.
2. CONTRACTOR SHALL USE CLASS 3 AGGREGATE BASE, 3/4-INCH MAXIMUM GRADATION AS BACKFILL MATERIAL ON THIS PROJECT. CLASS 3 3/4-INCH MAXIMUM GRADATION AGGREGATE BASE SHALL CONFORM TO SECTION 26 OF THE STANDARD SPECIFICATIONS.
3. CONTRACTOR MAY ELECT TO USE CLASS 3 AGGREGATE BASE, 3/4-INCH MAXIMUM GRADATION AS BACKFILL IN LIEU OF CLASS 1 AGGREGATE SUBBASE.
4. BEDDING STABILIZATION MATERIAL SHALL BE USED FOR UNSUITABLE SOIL CONDITION OR AS DIRECTEDBY THE ENGINEER FOR NEW PIPE INSTALLATION OR POINT REPAIRS.



RAISED PCC COLLAR FOR MHs
NOT TO SCALE

D

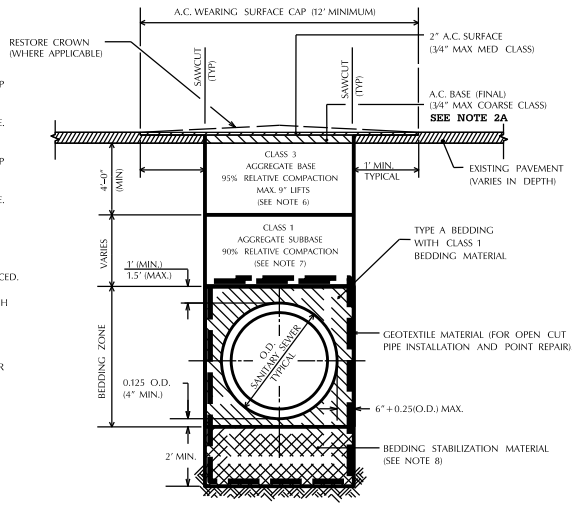
TRENCH NOTES FOR DETAILS A & B

1. CLEAN & TACK SIDES OF EXCAVATION & BETWEEN COURSES WITH SPRAY APPLICATION OF SS-1H BINDER BEFORE PLACING A.C. SURFACE.

2A. PLACE A TOTAL OF __" A.C. BASE TO FINISH GRADE. GRIND ENTIRE WEARING SURFACE CAP WIDTH INCLUDING A.C. BASE & EXISTING SURFACE TO A DEPTH OF 2" BELOW FINISH GRADE JUST PRIOR TO PLACING A.C. SURFACE.

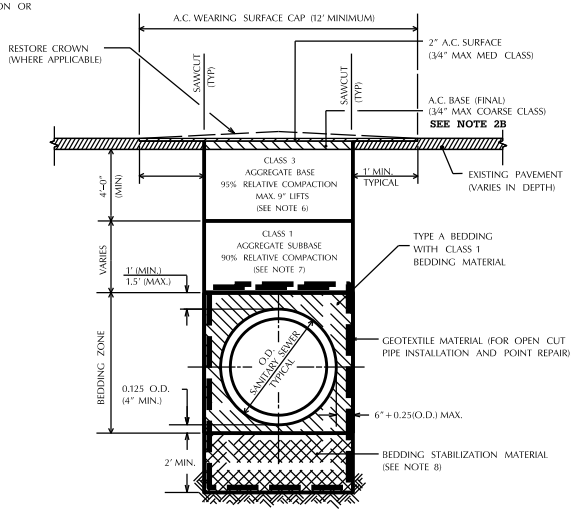
2B. PLACE A TOTAL OF __" A.C. BASE TO FINISH GRADE. GRIND ENTIRE WEARING SURFACE CAP WIDTH INCLUDING A.C. BASE & EXISTING SURFACE TO A DEPTH OF 2" BELOW FINISH GRADE JUST PRIOR TO PLACING A.C. SURFACE.

3. THE 2" A.C. SURFACE SHALL BE PLACED THE SAME DAY AS THE PAVEMENT GRINDING, OR COVERED WITH NON-SKID STEEL PLATES COUNTERSUNK FLUSH WITH THE ADJACENT GRADES UNTIL THE A.C. SURFACE CAN BE PLACED.
4. SEAL SURFACE BY SPRAY APPLICATION OF SS-1H EMULSION FOG SEAL AFTER FINISH ROLLING.
5. SHOVEL – SLICING OF BEDDING MATERIAL IN THE HAUNCH AREAS IS REQUIRED WHEN BEDDING IS NO HIGHER THAN THE QUARTER POINT OF THE PIPE.
6. CONTRACTOR SHALL USE CLASS 3 AGGREGATE BASE, 3/4-INCH MAXIMUM GRADATION AS BACKFILL MATERIAL ON THIS PROJECT. CLASS 3 3/4-INCH MAXIMUM GRADATION AGGREGATE BASE SHALL CONFORM TO SECTION 26 OF THE STANDARD SPECIFICATIONS.
7. CONTRACTOR MAY ELECT TO USE CLASS 3 AGGREGATE BASE, 3/4-INCH MAXIMUM GRADATION AS BACKFILL IN LIEU OF CLASS 1 AGGREGATE SUBBASE.
8. BEDDING STABILIZATION MATERIAL SHALL BE USED FOR UNSUITABLE SOIL CONDITION OR AS DIRECTED BY THE ENGINEER FOR NEW PIPE INSTALLATION OR POINT REPAIRS.



ALMADEN EXPRESSWAY
DETAIL – TRENCH BEDDING/BACKFILL
AND A.C. SURFACE RESTORATION
NOT TO SCALE

A



CAMDEN & REDMOND AVENUE
DETAIL – TRENCH BEDDING/BACKFILL
AND A.C. SURFACE RESTORATION
NOT TO SCALE

B

ALMADEN EXPRESSWAY SANITARY SEWER IMPROVEMENT

DETAILS, LEGENDS, & GENERAL NOTES

6		
5		
4		
3		
2		
1		
	REVISIONS	DATE

CONSTRUCTION
ELECTRICAL
MATERIALS LAB
SANITARY
STORM
SURVEY

DEVELOPMENT
DEPARTMENT OF TRANSPORTATION
MAINTENANCE
TRAFFIC OPS.

REGISTERED PROFESSIONAL ENGINEER
NO. C18130
Exp. 03-31-2
CIVIL
STATE OF CALIFORNIA

CITY OF SAN JOSE
CAPITAL OF SILICON VALLEY

DEPARTMENT OF PUBLIC WORKS
SAN JOSE, CALIFORNIA

DRAWN BY: A. CASTEJON / PACHECO
CHECKED BY: J. QUINO
PROJ. ENGR.: H. PACHECO
DATE: OCTOBER 2011
SCALE: NTS
SHEET NO. 3 OF 12 SHEETS

DAVID SYKES
ACTING DIRECTOR OF PUBLIC WORKS

PROJECT ID NO. 6403

ALMADEN EXPRESSWAY SANITARY SEWER IMPROVEMENT • PROJECT ID NO. 6403

RESERVED FOR MORE DETAILS & NOTES

ALMADEN EXPRESSWAY SANITARY SEWER IMPROVEMENT

DETAILS, LEGENDS, & GENERAL NOTES

	REVISIONS	DATE
6		
5		
4		
3		
2		
1		

CONSTRUCTION
ELECTRICAL
MATERIALS LAB
SANITARY
STORM
SURVEY

DEVELOPMENT
DEPARTMENT OF TRANSPORTATION
MAINTENANCE
TRAFFIC OPS.

REGISTERED PROFESSIONAL ENGINEER
MICHAEL OCHOA
No. C54820
Exp. 03-3-12
CIVIL
STATE OF CALIFORNIA

CITY OF SAN JOSE
CAPITAL OF SILICON VALLEY

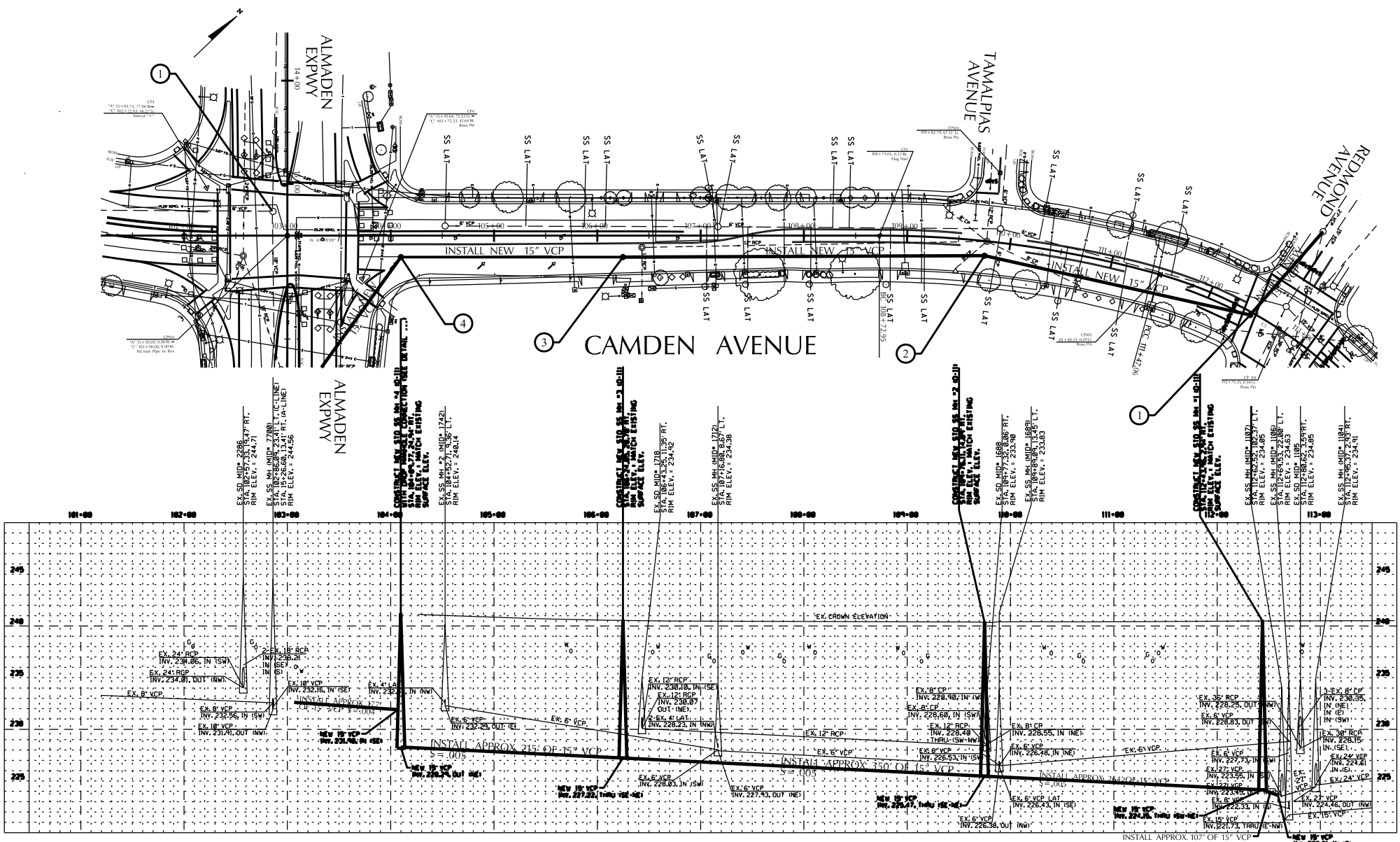
DEPARTMENT OF PUBLIC WORKS
SAN JOSE, CALIFORNIA

DRAWN BY: A. CASTRO H. PACHECO
CHECKED BY: J. AQUINO
PROJ. ENGR.: H. PACHECO
DATE: OCTOBER 2011
SCALE: NTS
SHEET NO. 4 OF 12 SHEETS

DAVID SYKES
ACTING DIRECTOR OF PUBLIC WORKS

PROJECT ID NO. 6403

ALMADEN EXPRESSWAY SANITARY SEWER IMPROVEMENT – PROJECT ID NO. 6403



ALMADEN EXPRESSWAY SANITARY SEWER IMPROVEMENT

PLAN & PROFILE STA 101+00 TO STA 113+00

6		
5		
4		
3		
2		
1		
	REVISIONS	DATE

CONSTRUCTION
ELECTRICAL
MATERIALS LAB
SANITARY
STORM
SURVEY

DEVELOPMENT
DEPARTMENT OF TRANSPORTATION
MAINTENANCE
TRAFFIC OPS.

CITY OF SAN JOSE
CAPITAL OF SILICON VALLEY

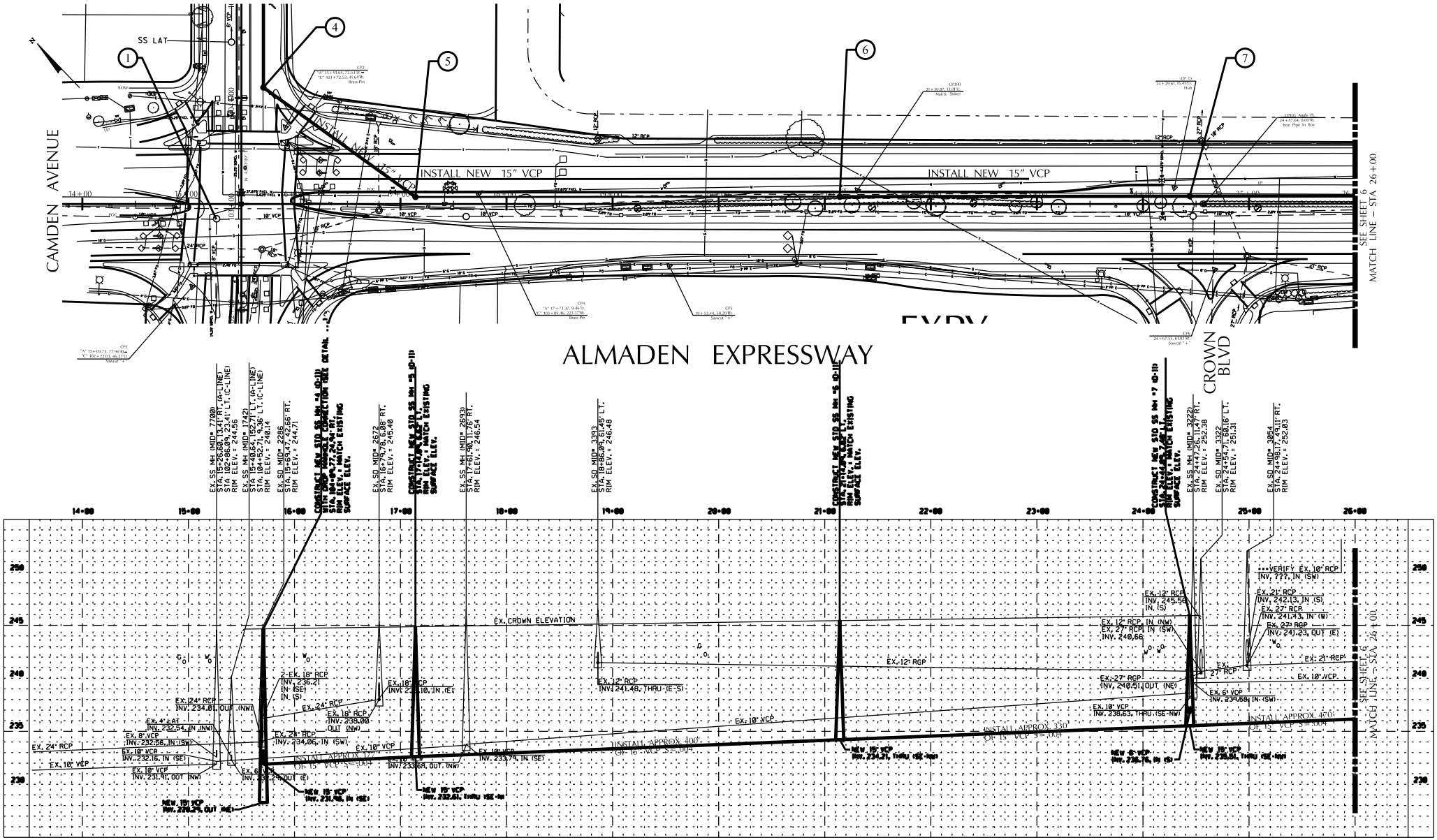
DEPARTMENT OF PUBLIC WORKS
SAN JOSE, CALIFORNIA

DRAWN BY: A. CASTRO-PACHECO
CHECKED BY: J. MUNIO
PROJ. ENGR.: H. PACHECO
DATE: XX, 20 XX
SCALE: NTS
SHEET NO. 5 OF 12 SHEETS

DAVID SYKES
DIRECTOR OF PUBLIC WORKS

PROJECT ID. 6403

PROJECT NAME ALMADEN EXPRESSWAY SANITARY SEWER IMPROVEMENT - PROJECT ID. 6403



ALMADEN EXPRESSWAY SANITARY SEWER IMPROVEMENT

PLAN & PROFILE STA 14+00 TO STA 26+00

6		
5		
4		
3		
2		
1		
	REVISIONS	DATE

CONSTRUCTION
ELECTRICAL
MATERIALS LAB
SANITARY
STORM
SURVEY

DEVELOPMENT
DEPARTMENT OF TRANSPORTATION
MAINTENANCE
TRAFFIC OPS.

CITY OF SAN JOSE
CAPITAL OF SILICON VALLEY

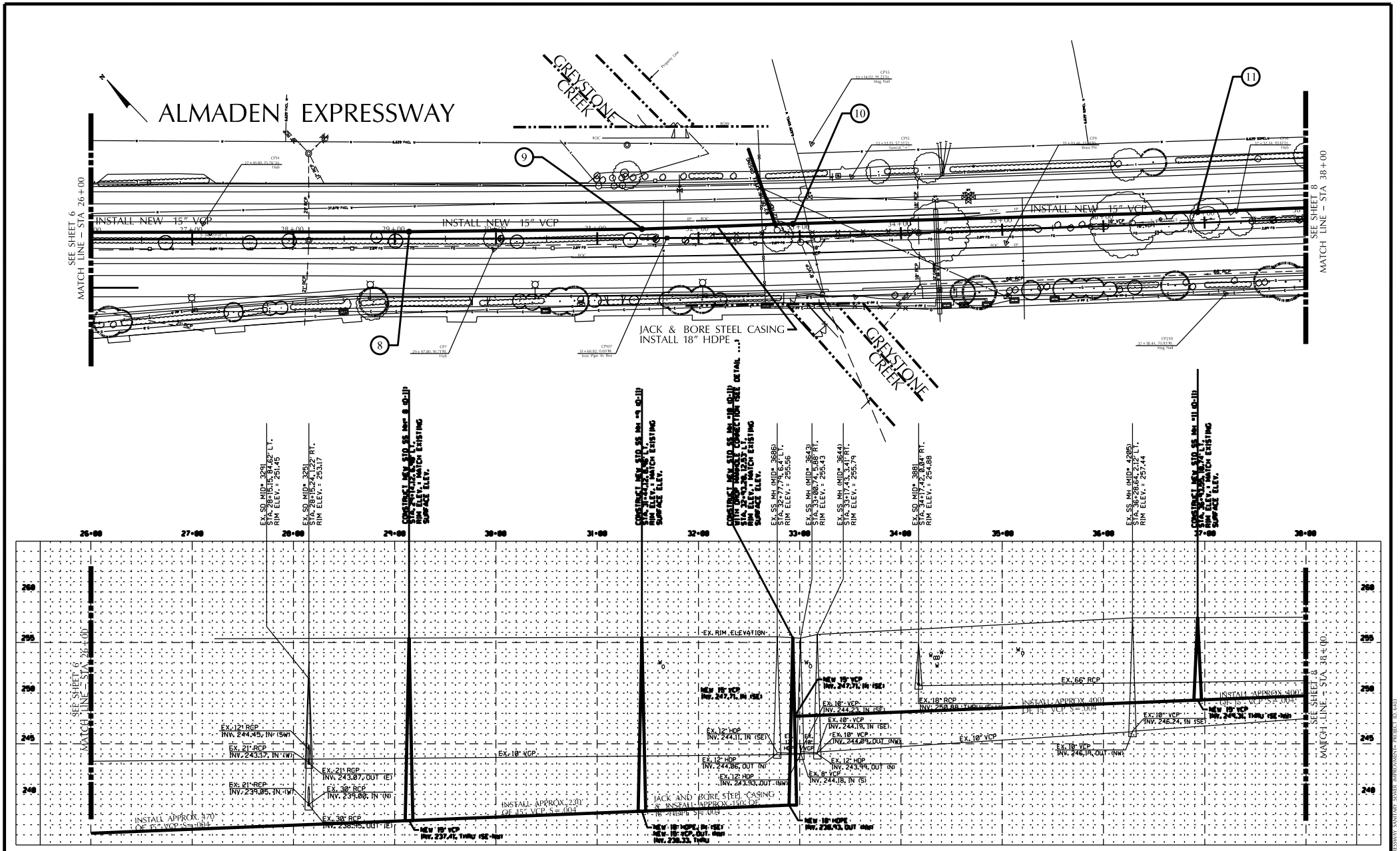
DEPARTMENT OF PUBLIC WORKS
SAN JOSE, CALIFORNIA

DRAWN BY: A. CASTRO/H. PACHECO
CHECKED BY: J. AQUINO
PROJ. ENGR.: H. PACHECO
DATE: XX, 20
SCALE: NTS
SHEET NO. 6 OF 12 SHEETS

DAVID SYKES
DIRECTOR OF PUBLIC WORKS

PROJECT ID. 6403

PROJECT NAME: ALMADEN EXPRESSWAY SANITARY SEWER IMPROVEMENT - PROJECT ID. 6403



ALMADEN EXPRESSWAY SANITARY SEWER IMPROVEMENT

PLAN & PROFILE STA 26+00 TO STA 38+00

6		
5		
4		
3		
2		
1		
	REVISIONS	DATE

CONSTRUCTION
ELECTRICAL
MATERIALS LAB
SANITARY
STORM
SURVEY

DEVELOPMENT
DEPARTMENT OF TRANSPORTATION
MAINTENANCE
TRAFFIC OPS.

REGISTERED PROFESSIONAL ENGINEER
NO. C54620
Exp. 5-3-12
CIVIL
STATE OF CALIFORNIA

CITY OF SAN JOSE
CAPITAL OF SILICON VALLEY

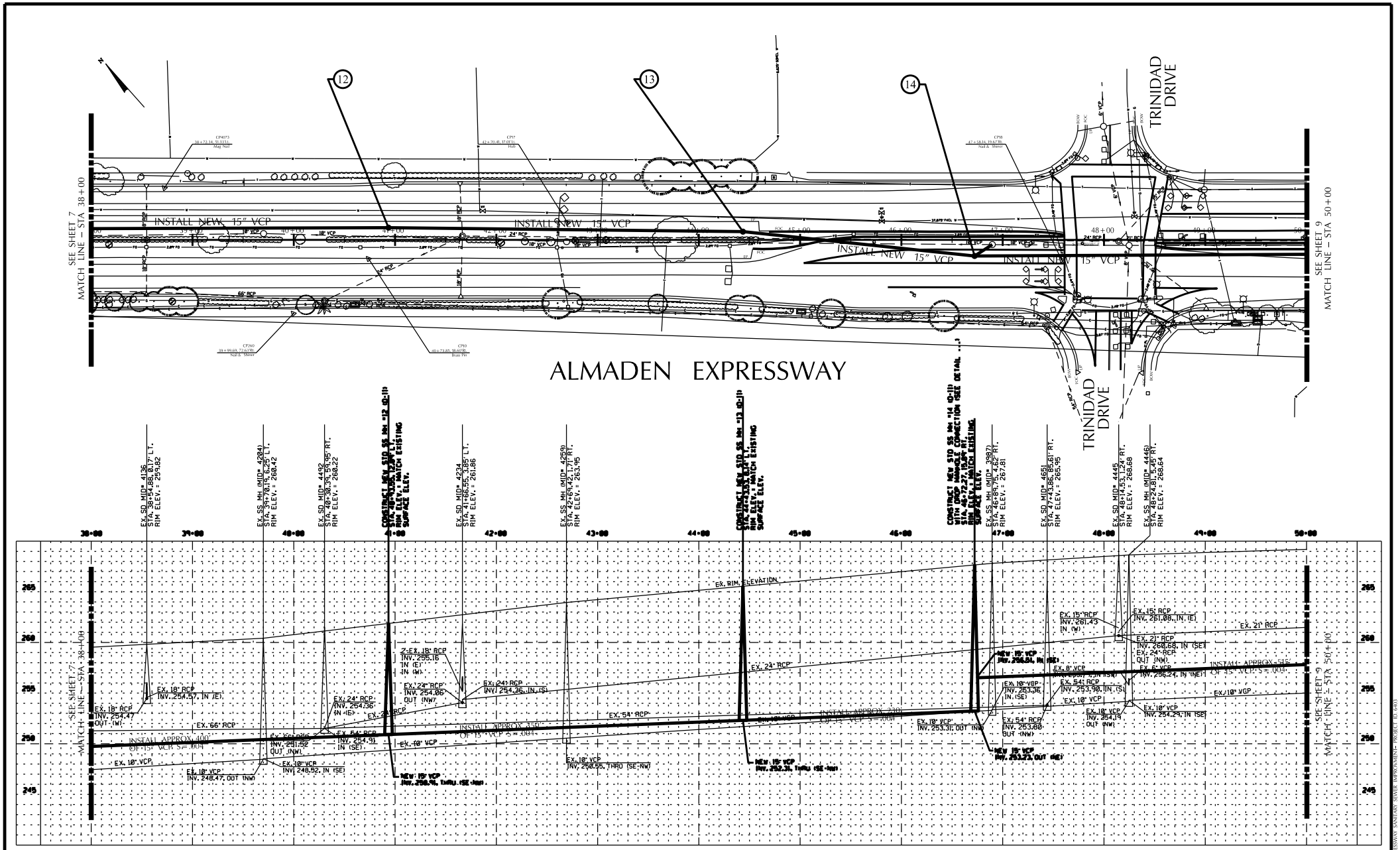
DEPARTMENT OF PUBLIC WORKS
SAN JOSE, CALIFORNIA

DRAWN BY: A. CASTRO PACHECO
CHECKED BY: J. ACOSTA
PROJ. ENGR.: H. PACHECO
DATE: 3X, 20
SCALE: NTS
SHEET NO. 7 OF 12 SHEETS

DAVID SYKES
DIRECTOR OF PUBLIC WORKS

PROJECT ID. 6403

PROJECT NAME: ALMADEN EXPRESSWAY SANITARY SEWER IMPROVEMENT – PROJECT ID. 6403



ALMADEN EXPRESSWAY SANITARY SEWER IMPROVEMENT

PLAN & PROFILE STA 38+00 TO STA 50+00

6		
5		
4		
3		
2		
1		
	REVISIONS	DATE

CONSTRUCTION
ELECTRICAL
MATERIALS LAB
SANITARY
STORM
SURVEY

DEVELOPMENT
DEPARTMENT OF TRANSPORTATION
MAINTENANCE
TRAFFIC OPS.

REGISTERED PROFESSIONAL ENGINEER
NO. C34859
Exp. 3-31-12
CIVIL
STATE OF CALIFORNIA

CITY OF SAN JOSE
CAPITAL OF SILICON VALLEY

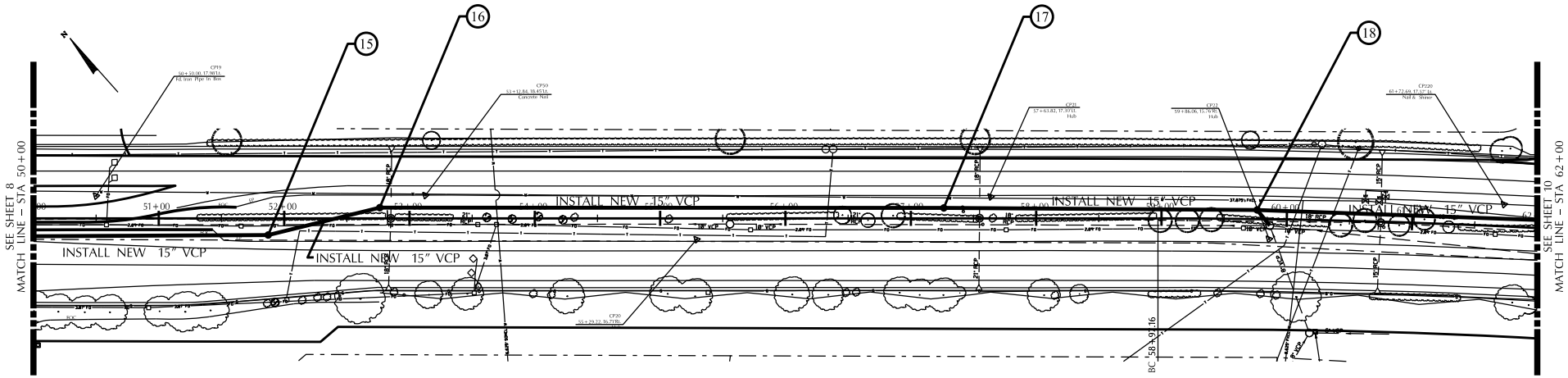
DEPARTMENT OF PUBLIC WORKS
SAN JOSE, CALIFORNIA

DRAWN BY: K. CASTRO, PACHECO
CHECKED BY: T. ADOLANO
PROJ. ENGR.: H. PACHECO
DATE: ___ / ___ / 20__
SCALE: NTS
SHEET NO. 8 OF 12 SHEETS

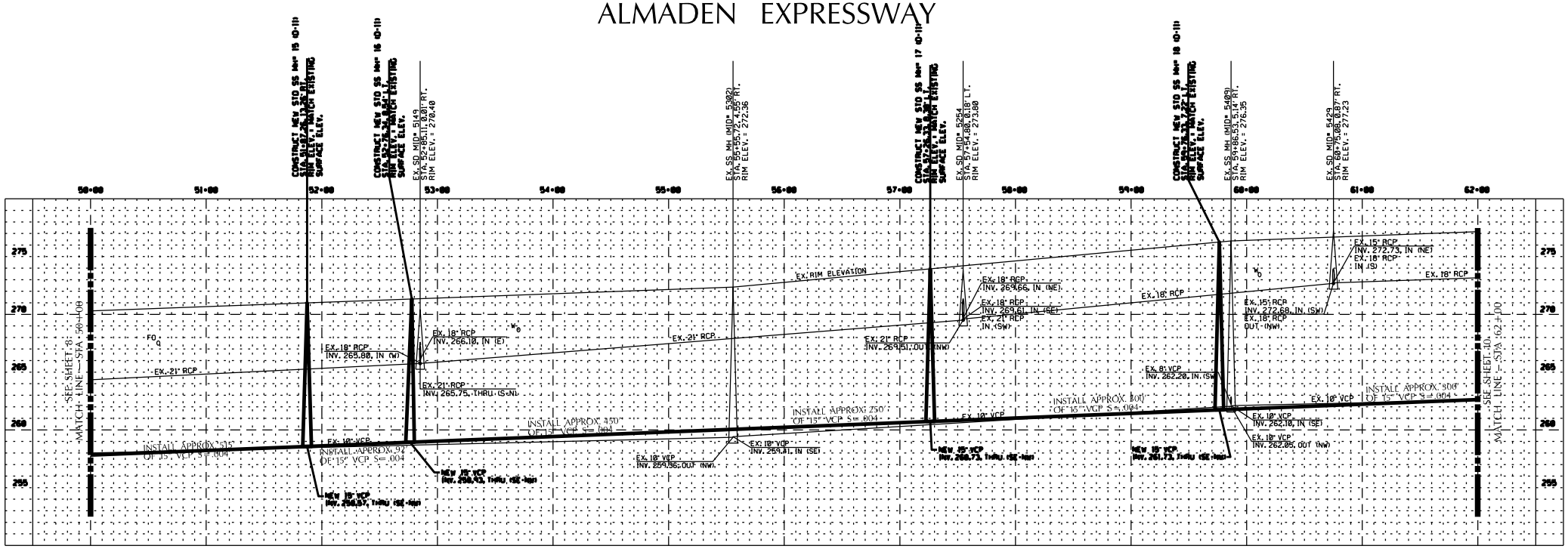
DAVID SYKES
DIRECTOR OF PUBLIC WORKS

PROJECT ID. 6403

PROJECT NAME: ALMADEN EXPRESSWAY SANITARY SEWER IMPROVEMENT – PROJECT ID: 6403



ALMADEN EXPRESSWAY



ALMADEN EXPRESSWAY SANITARY SEWER IMPROVEMENT

PLAN & PROFILE STA 50+00 TO STA 62+00

6		
5		
4		
3		
2		
1		
	REVISIONS	DATE

CONSTRUCTION
ELECTRICAL
MATERIALS LAB
SANITARY
STORM
SURVEY

DEVELOPMENT
DEPARTMENT OF TRANSPORTATION
MAINTENANCE
TRAFFIC OPS.

REGISTERED PROFESSIONAL ENGINEER
NO. C54828
Exp. 3-3-12
CIVIL
STATE OF CALIFORNIA

CITY OF SAN JOSE
CAPITAL OF SILICON VALLEY

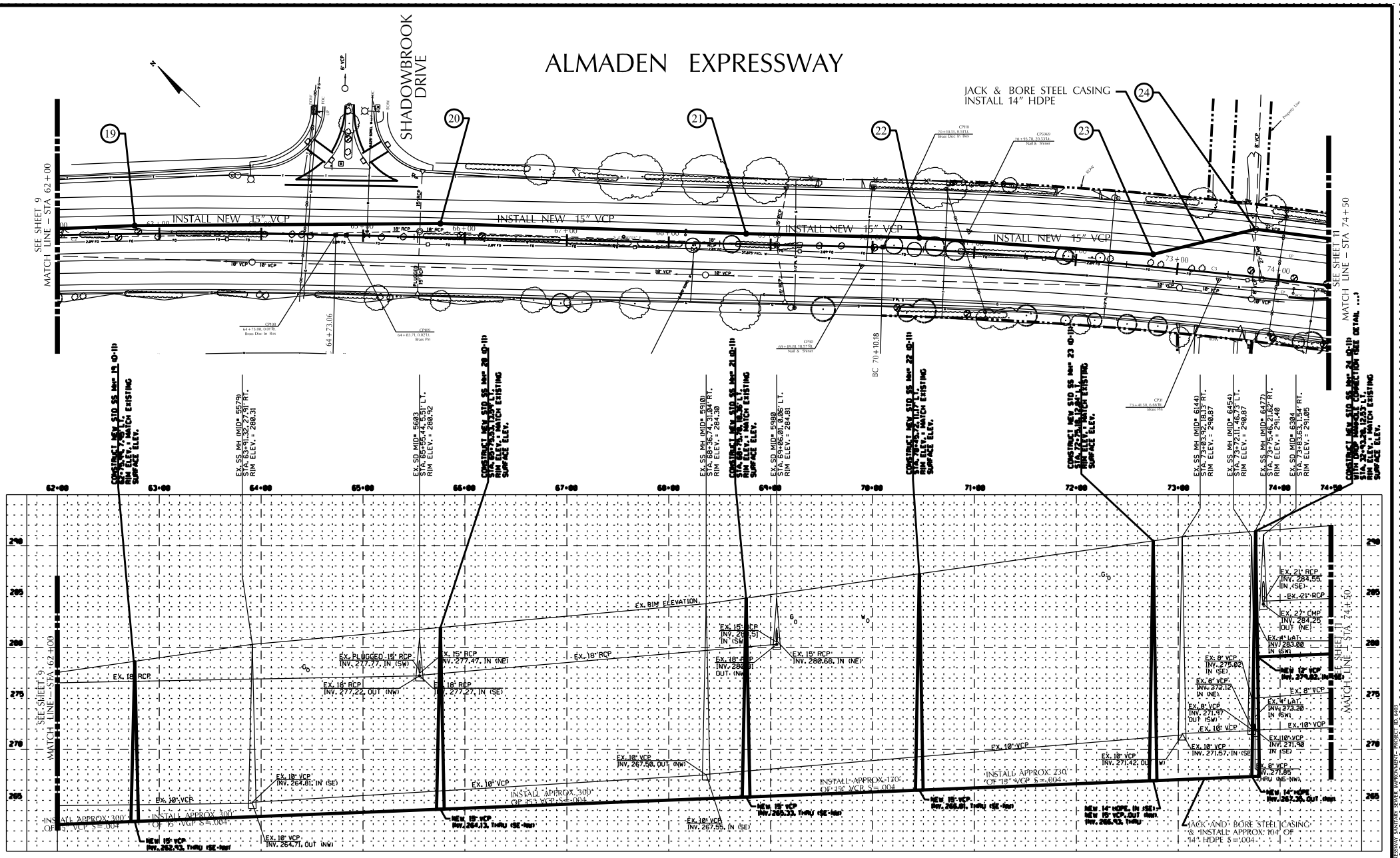
DEPARTMENT OF PUBLIC WORKS
SAN JOSE, CALIFORNIA

DRAWN BY: A. CASTRO/J. PACHECO
CHECKED BY: J. LAGUNO
PROJ. ENGR.: H. PACHECO
DATE: XX ,20
SCALE: NTS
SHEET NO. 9 OF 12 SHEETS

DAVID SYKES
DIRECTOR OF PUBLIC WORKS

PROJECT ID. 6403

PROJECT NAME ALMADEN EXPRESSWAY SANITARY SEWER IMPROVEMENT - PROJECT ID. 6403



ALMADEN EXPRESSWAY SANITARY SEWER IMPROVEMENT

PLAN & PROFILE STA 62+00 TO 74+50

6		
5		
4		
3		
2		
1		
	REVISIONS	DATE

CONSTRUCTION
ELECTRICAL
MATERIALS LAB
SANITARY
STORM
SURVEY

DEVELOPMENT
DEPARTMENT OF TRANSPORTATION
MAINTENANCE
TRAFFIC OPS.

CITY OF SAN JOSE
CAPITAL OF SILICON VALLEY

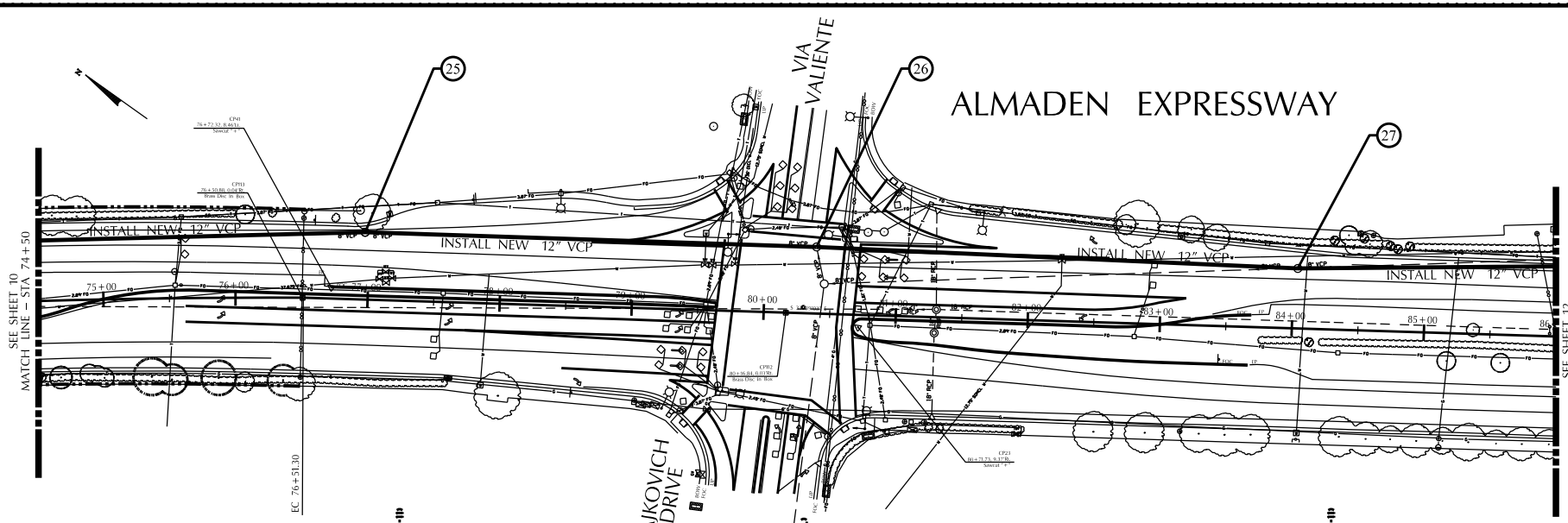
DEPARTMENT OF PUBLIC WORKS
SAN JOSE, CALIFORNIA

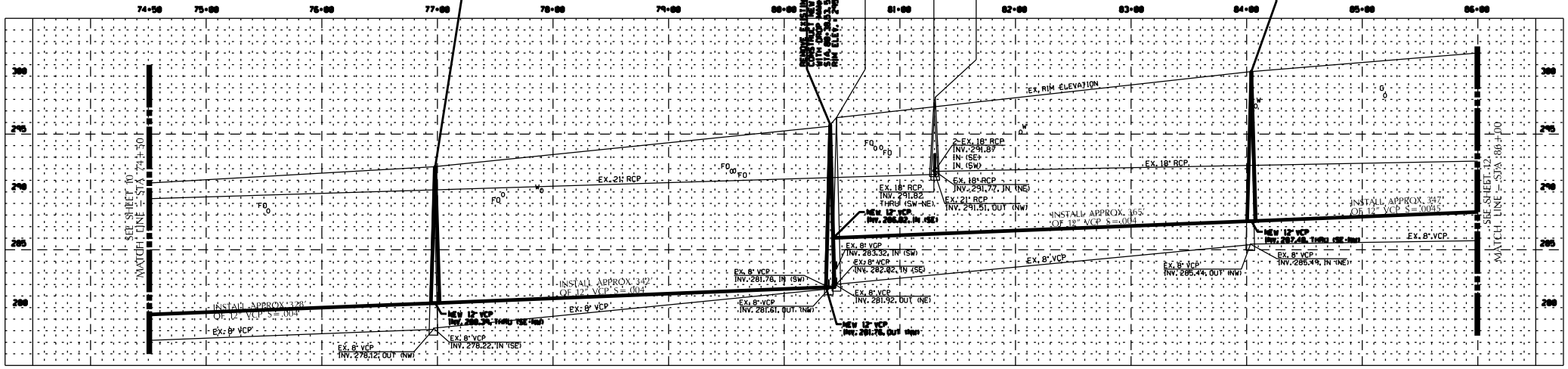
DRAWN BY: A. CASTRO PACHECO
CHECKED BY: J. LAGUNO
PROJ. ENGR.: H. PACHECO
DATE: XX ,20
SCALE: NTS
SHEET NO. 10 OF 12 SHEETS

DAVID SYKES
DIRECTOR OF PUBLIC WORKS

PROJECT ID. 6403

PROJECT NAME ALMADEN EXPRESSWAY SANITARY SEWER IMPROVEMENT – PROJECT ID 6403





ALMADEN EXPRESSWAY SANITARY SEWER IMPROVEMENT

PLAN & PROFILE STA 74+50 TO STA 86+00

REVISIONS	DATE

CONSTRUCTION
ELECTRICAL
MATERIALS LAB
SANITARY
STORM
SURVEY

DEVELOPMENT
DEPARTMENT OF TRANSPORTATION
MAINTENANCE
TRAFFIC OPS.

REGISTERED PROFESSIONAL ENGINEER
RE. C.E.
Exp. 3-3-02
STATE OF CALIFORNIA

CITY OF SAN JOSE
CAPITAL OF SILICON VALLEY

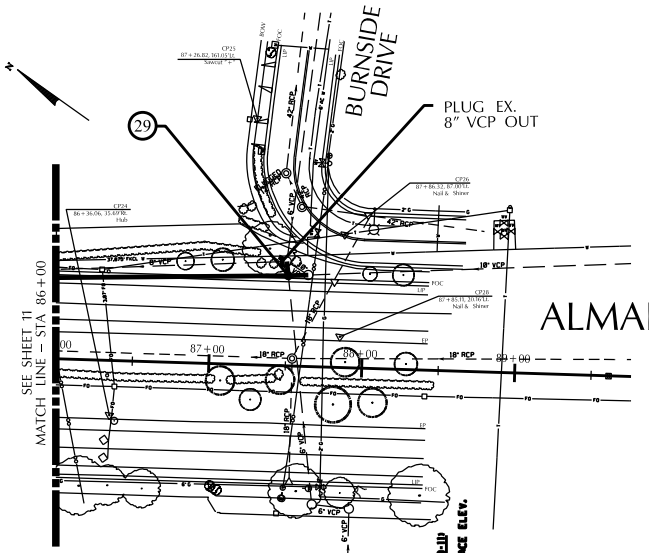
DEPARTMENT OF PUBLIC WORKS
SAN JOSE, CALIFORNIA

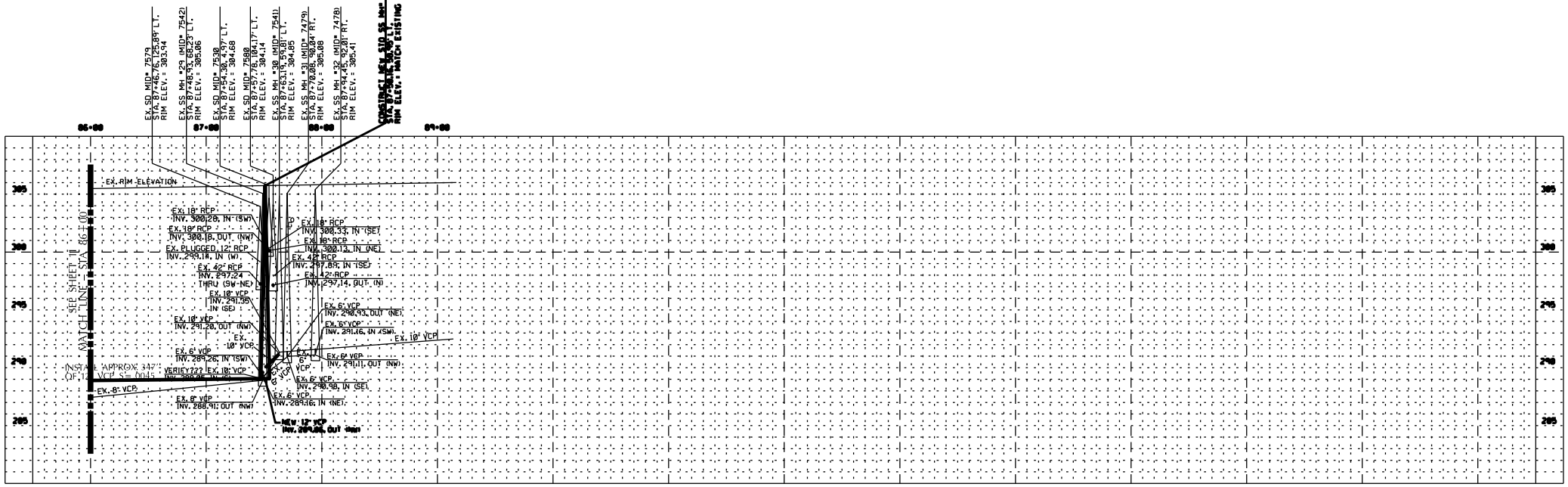
DRAWN BY: M. CASTRO, PACHECO
CHECKED BY: J. LOGUINO
PROJ. ENGR.: M. PACHECO
DATE: XX 20
SCALE: NTS
SHEET NO. 11 OF 12 SHEETS

DAVID SYKES
DIRECTOR OF PUBLIC WORKS

PROJECT ID. 6403

P:\DWG\ALMADEN EXPRESSWAY\ALMADEN SEWER IMPROVEMENT PROJECT ID 6403





ALMADEN EXPRESSWAY SANITARY SEWER IMPROVEMENT

PLAN & PROFILE STA 86+00 TO STA 89+00

6		
5		
4		
3		
2		
1		
	REVISIONS	DATE

CONSTRUCTION
ELECTRICAL
MATERIALS LAB
SANITARY
STORM
SURVEY

DEVELOPMENT
DEPARTMENT OF TRANSPORTATION
MAINTENANCE
TRAFFIC OPS.

REGISTERED PROFESSIONAL ENGINEER
RICHARD GONZALEZ
No. C34595
Exp. 3-31-12
CIVIL
STATE OF CALIFORNIA

CITY OF SAN JOSE
CAPITAL OF SILICON VALLEY

DEPARTMENT OF PUBLIC WORKS
SAN JOSE, CALIFORNIA

DRAWN BY: M. CASTRO/ M. PACHECO
CHECKED BY: J. LOGUINO
PROJ. ENGR.: M. PACHECO
DATE: XX 20
SCALE: NTS
SHEET NO. 12 OF 12 SHEETS

DAVID SYKES
DIRECTOR OF PUBLIC WORKS

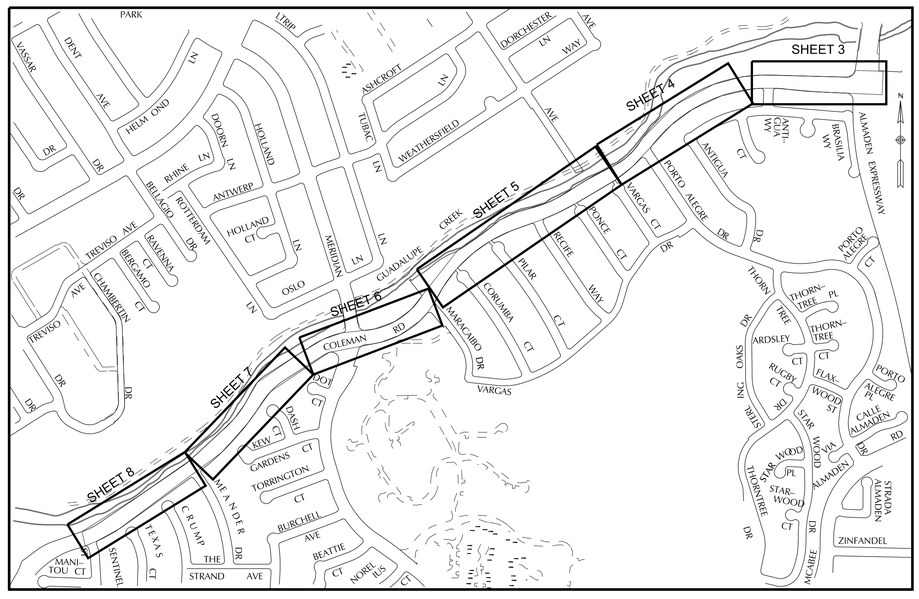
PROJECT ID. 6403

P:\PW\ALMADEN EXPRESSWAY SANITARY SEWER IMPROVEMENT - PROJECT ID 6403

CITY OF SAN JOSE
DEPARTMENT OF PUBLIC WORKS
PLANS FOR

COLEMAN ROAD
SANITARY SEWER IMPROVEMENT

PRELIMINARY
NOT FOR CONSTRUCTION



LOCATION MAP
N.T.S.

CHECK PRINT NO. _____
RETURN TO: DPW/TRANS & HYDRAULICS SVS
SAN JOSE CITY HALL, TOWER 5 EXT. 4168
MELLOWNIE SALVADOR
ATTN: _____ DATE RECEIVED: _____
DATE SENT: _____

DIVISION	DATE REC BY DIV.	CHECKED BY & DATE	DATE RET BY DIV.	DATE DUE BACK

COMMENTS
60% CHECKPRINTS

INDEX

COVER SHEET	1
DETAILS, LEGENDS & NOTES	2
PLAN & PROFILE	3–8

APPROVED BY: _____

DAVID SYKES
ACTING DIRECTOR OF PUBLIC WORKS

DATE: _____

SHEET 1 0F 8
PROJECT ID NO. 6391

COLEMAN ROAD SANITARY SEWER IMPROVEMENT – PROJECT ID #6391

GENERAL NOTES

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION 1992, CITY OF SAN JOSE, DEPARTMENT OF PUBLIC WORKS AND STANDARD DETAILS AS ADOPTED BY THE CITY COUNCIL.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR THE VERIFICATION OF LOCATIONS AND DEPTHS OF EXISTING UTILITIES, BEFORE BEGINNING CONSTRUCTION. LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE AND FOR GENERAL INFORMATION ONLY. UTILITY COMPANIES AND USA (1–800–227–2600) SHALL BE NOTIFIED 48 HOURS PRIOR TO ANY EXCAVATION WITHIN PROJECT AREA.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE INCURRED DURING CONSTRUCTION TO ANY UTILITIES (GAS, WATER, FIBER OPTIC, TELECOMMUNICATION CABLES, ELECTRICAL FACILITIES, ETC.) AND SERVICE LATERALS (GAS, WATER, ETC.) WHETHER OR NOT SHOWN ON THESE PLANS. CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANIES AND HAVE THEM MARK ALL THE UTILITIES AND LATERALS.
4. DURING CONSTRUCTION, CONTRACTOR SHALL INSTALL A PLYWOOD PLATFORM WITHIN EXISTING MANHOLES TO KEEP DIRT AND DEBRIS FROM ENTERING STORM AND SANITARY PIPES.
5. CONTRACTOR SHALL SCHEDULE THE WORK SO AS TO MAINTAIN CONTINUOUS SEWER SERVICE DURING CONSTRUCTION PERIOD.
6. CONTRACTOR SHALL VERIFY ALL EXISTING SANITARY SEWER MAINS AND LATERALS FOR DEPTH AT POINTS OF CROSSING USING THE INVERT INFORMATION PROVIDED PRIOR TO BEGINNING OF ANY MOBILIZATION AND WORK.
7. DURING CONSTRUCTION, CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF AND DAMAGES INCURRED TO ALL OVERHEAD UTILITY LINES. CONTRACTOR SHALL NOTIFY COMPANIES PRIOR TO ANY WORK IN LOCATIONS WITH OVERHEAD UTILITY LINES.
8. LOCATIONS OF UTILITIES SHOWN ON THIS MAP ARE APPROXIMATE. FOR SURFACE TOPOGRAPHY: SURFACE FEATURES ARE LOCATED BY MEANS OF A STATION AND OFFSET FROM THE CONTROL LINE. CURBLINE OFFSETS ARE TO FACE OF CURB. MANHOLE AND FLAT GRATE OFFSETS ARE TO THEIR RESPECTIVE CENTERS. HOODED INLETS (CATCH BASINS) ARE LOCATED BY CENTER OF TOP OF HOOD AT FACE OF CURB, UNLESS OTHERWISE NOTED. INVERTS FOR HOODED INLETS ARE MEASURED FROM THE TOP OF HOOD AND INVERTS FOR MANHOLES ARE MEASURED FROM THE RIM. THE TOPOGRAPHY CONTOL LINE(S) DEPICTED ON THIS MAP IS BASED ON FOUND MONUMENTS, A SPLIT OF IMPROVEMENTS OR A COMBINATION THEREOF. THE TOPOGRAPHY CONTROL LINE(S) SHOULD NOT BE TAKEN AS REPRESENTING THE RECORD CENTERLINE OF THE STREETS.
9. THE EXISTING PIPELINE HORIZONTAL AND VERTICAL ALIGNMENTS AND DIAMETERS SHOWN ON ALL SHEETS ARE ESTIMATED FROM RECORD INFORMATION. ACTUAL ALIGNMENTS MAY VARY SIGNIFICANTLY FROM THOSE SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE HORIZONTAL AND VERTICAL ALIGNMENTS AND DIAMETER OF THE HOST PIPE PRIOR TO ORDERING REHABILITATION MATERIALS AND COMMENCING CONSTRUCTION ACTIVITIES.
10. PROTECT OR REPLACE SURVEY MONUMENT AS DIRECTED BY THE CITY ENGINEER. NOTIFY THE CITY SURVEY SECTION AT (408) 975–7310, 72 HOURS PRIOR TO REMOVAL IN ORDER THAT MONUMENT CAN BE REFERENCED.
11. NOTIFY RESIDENTS, SCHOOLS AND BUSINESSES REGARDING THIS CONSTRUCTION PROJECT A MINIMUM OF TWO TIMES. CONTRACTOR SHALL NOTIFY ALL RESIDENTS, BUSINESSES AND SCHOOLS WITHIN A 300 RADIUS OF PROJECT LOCATION, IN WRITING, 7 DAYS AND 48 HOURS PRIOR TO START OF CONSTRUCTION. THE DRAFT OF EACH NOTIFICATION, IN ENGLISH AND SPANISH, SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL, PRIOR TO DISTRIBUTION BY THE CONTRACTOR.

CONSTRUCTION NOTES

1. A.C. BASE FOR DETAIL (1) SHALL BE 2" THICKER THAN EXISTING PAVEMENT THICKNESS OR AT LEAST 9", WHICHEVER IS GREATER. A.C. BASE SHALL BE PLACED IN A MINIMUM OF 2 LIFTS. ENTIRE WEARING SURFACE CAP WIDTH INCLUDING A.C. BASE AND EXISTING SURFACE SHALL BE GRINDED TO THE DEPTH OF 2" BELOW FINISH GRADE IMMEDIATELY PRIOR TO PLACING A.C. SURFACE.
2. THE 2" A.C. SURFACE SHALL BE PLACED THE SAME DAY AS THE PAVEMENT GRINDING OR COVERED WITH NON–SKID STEEL PLATE UNTIL THE A.C. SURFACE CAN BE PLACED. CLEAN & TACK SIDES OF EXCAVATION AND BETWEEN
3. COURSES WITH SPRAY APPLICATION OF SS–1h BINDER BEFORE PLACING A.C. SURFACE.
4. SEAL SURFACE BY SPRAY APPLICATION OF SS–1h EMULSION FOG SEAL AFTER FINISH ROLLING.
5. WIDTH OF FINAL A.C. WEARING SURFACE CAP SHALL BE 12 FT. OR THE TRENCH WIDTH PLUS 2 FT., WHICHEVER DIMENSION IS GREATER.

GEOTECHNICAL NOTES

1. BORING LOCATIONS NUMBERED ONE (1) THROUGH SIX (6) ARE PART OF THE GEOTECHNICAL REPORTS DATED JULY 2011.
2. BORING LOCATIONS NUMBERED F THROUGH F6 ARE PART OF THE GEOTECHNICAL REPORTS DATED APRIL 21, 2011.
3. LOCATIONS SHOWN ON PLANS ARE APPROXIMATE AND FOR INFORMATION ONLY, REFER TO APPENDIX J FOR DRILLING LOG DATA.

GENERAL SURVEY NOTES

1. This map represents topography of surface features only.
2. Unless specified on this map, locations of utilities are neither intended nor implied.
3. For the locations of underground utilities call "USA" (1–800–642–2444).
4. Surface features are located by means of a station and offset from the street control line.
5. Curbline offsets are to face of curb.
6. Manhole and drop inlet offsets are to their respective centers. Hooded inlets (catch basins) are located by center of the top of hood at face of curb, unless otherwise noted.
7. Inverts for hooded inlets are measured from the top of hood, and inverts for manholes are measured from the rim.

This product constitutes our professional work. The information supplied on the dated electronic file may include raw field data which was not necessarily used in the final product. In the event the electronic file data is used to alter the product supplied, we shall not be responsible for any product derived from the altered or modified data which has not been reviewed and approved by the Survey Section.

Land Surveyor for the City of San Jose

GENERAL LEGEND

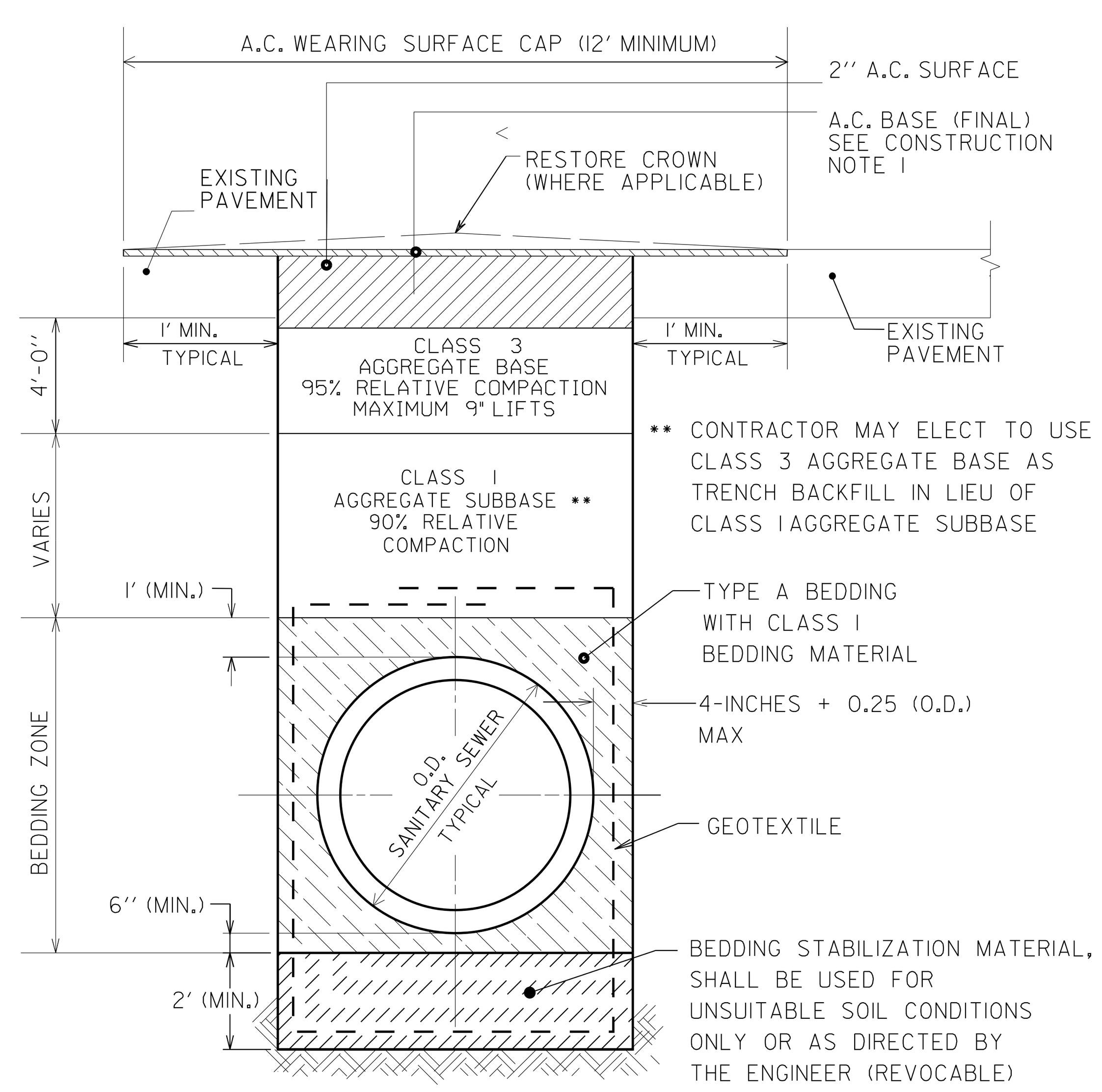
DESCRIPTION	EXISTING	TO BE CONSTRUCTED	TO BE REMOVED	TO BE JACK & BORE
CONTROL LINE	12+00			
CURB, GUTTER AND SIDEWALK				
DRIVEWAY				
ELECTROLIER				
FIRE HYDRANT				
FLAT GRATE INLET				
GAS LINE	G			
GAS VALVE	GV			
HOODED INLET				
LOG A BORING LOCATION				
PLUG				
PULL BOX				
SANITARY SEWER CLEANOUT	C			
SANITARY SEWER LATERAL LINE	SS LAT			
SANITARY SEWER MAIN LINE				
SANITARY SEWER MANHOLE				
STORM DRAIN LINE	SD			
STORM DRAIN MANHOLE				
STREET SIGN				
SURVEY CONTROL POINT				
TRAFFIC LOOP				
TREE				
WATER LINE	W			
WATER METER	W			
WATER VALVE	WV			
WHEEL CHAIR RAMP				
UTILITY POLE & GUY WIRE				
UTILITY VAULT	VAULT			

CURVE DATA

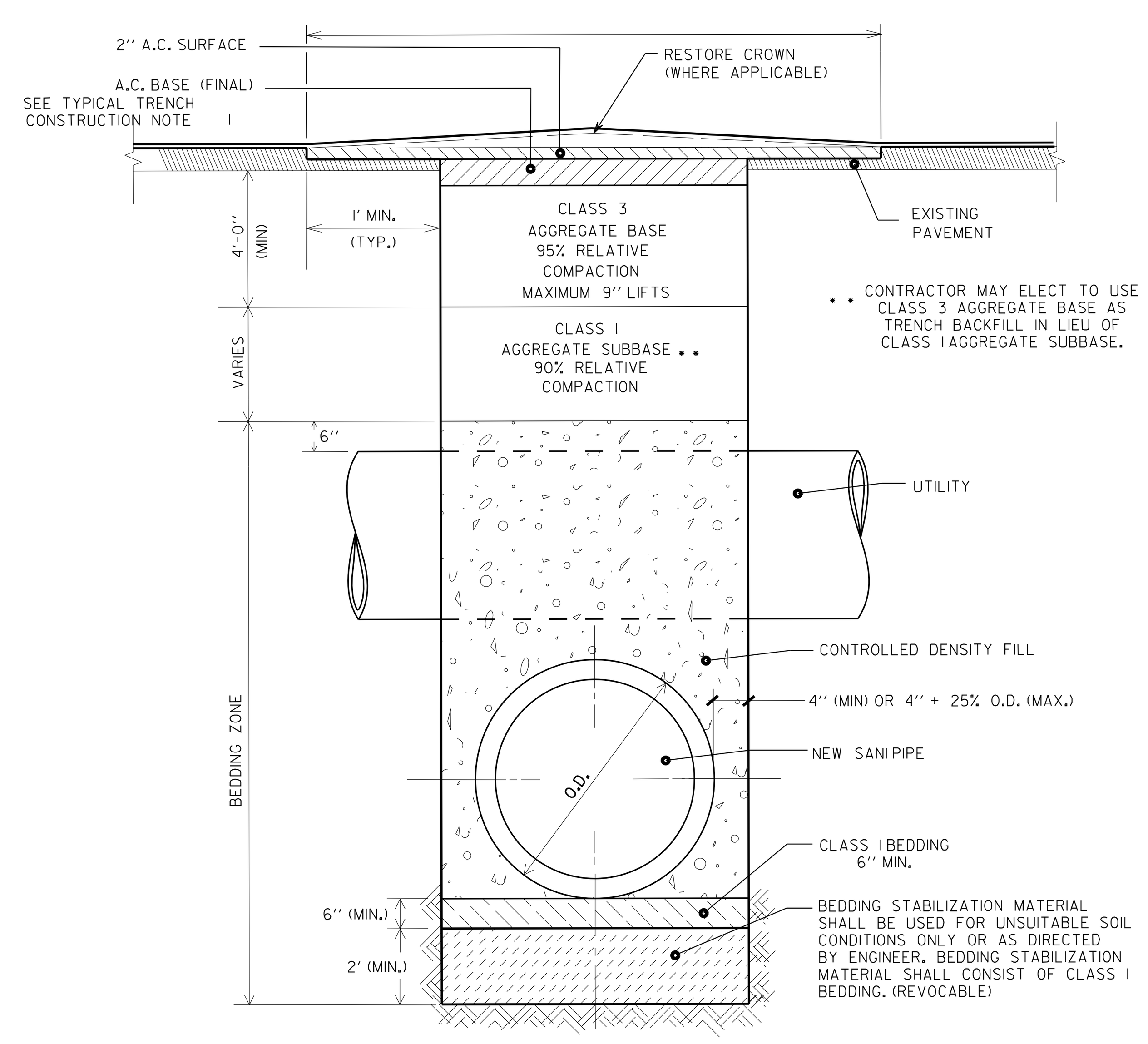
Curve	R	D	L
1	600.00'	19°05'55"	200.00'
2	999.00'	16°41'52"	291.14'
3	1000.00'	12°25'45"	216.93'
4	802.00'	13°04'51"	183.10'
5	600.00'	27°55'30"	292.43'
6	600.00'	33°41'31"	352.82'
7	550.00'	60°10'53"	577.70'
8	1000.00'	39°41'44"	692.82'
9	1500.00'	10°05'30"	264.20'
10	1000.00'	17°59'23"	313.98'
11	1000.00'	50°59'17"	889.91'
12	1500.00'	17°17'24"	452.65'

PROJECT HORIZONTAL AND VERTICAL CONTROL POINTS

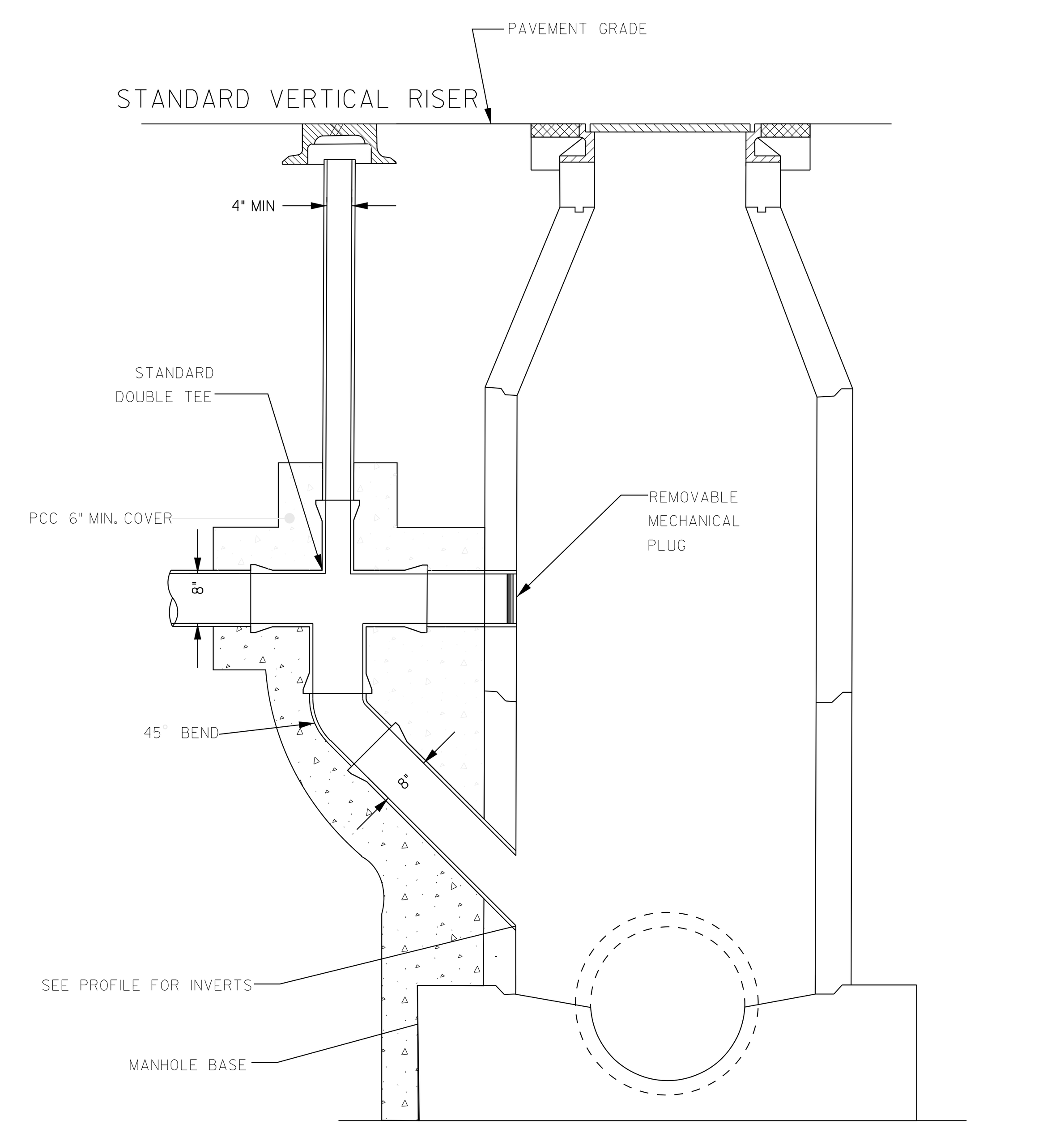
CONTROL POINT #	ELEVS.	NORTHING	EASTING	DESCRIPTION
CP–1	213.77	1913798.08	6161838.17	Set Sawcut Plus on Coleman Rd median island 390' east of Almaden Expressway.
CP–2	205.27	1913800.72	6161456.70	Set Sawcut Plus at south nose of north median island of Almaden Expressway at Coleman rd.
CP–3	207.85	1913744.31	6160567.56	Set Nail and Shiner at the center of Coleman Rd 225' west of Antigua Way.
CP–4	210.81	1913537.61	6160150.04	Set nail and Shiner at the center of Coleman Rd 115' northeast of Porto Alegre Dr.
CP–5	212.26	1913227.27	6159860.42	Set Nail and Shiner at the center of Coleman Rd 110' west of Porto Alegre Rd
CP–6	220.23	1912681.81	6158784.62	Set Nail and Shiner at the north side of Coleman Rd, 485' west of Recife Way.
CP–7	224.96	1912174.63	6158382.20	Set Nail and Shiner at the center of Coleman Rd, 380' east of Meridian Ave.
CP–8	232.40	1912025.08	6157965.39	Set Nail & Shiner just north of pork chop island at the southwest quadrant of Coleman Rd at Meridian Ave.
CP–9	229.75	1911904.98	6157572.85	Set Cotton Spindle north of the berm, north side of Coleman Rd, 465' west of Meridian Ave.
CP–10	239.07	1911357.80	6157137.70	Set Sawcut Plus on median island 200' northeast of Meander Dr.
CP–11	250.23	1910751.32	6156273.85	SET Nail and Shiner on Coleman Rd, 38' west of Sentinel St.
CP–12	258.22	1910467.40	6155828.24	Set Sawcut Plus
CP–13	264.25	1910034.15	6155655.72	Set Nail and Shiner
CP–50	213.71	1913000.81	6159595.54	Set Sawcut Plus at South back of walk of Coleman Rd, 380' east of Recife Way.
CP–70	234.36	1911477.03	6157292.12	Set Mag Nail, east side of Coleman Rd 390' northeast of Meander Dr.
CP–80	244.88	1910993.95	6156729.35	Set Sawcut Plus, South side of Coleman Rd 345' southwest of Meander Dr.
CP–100	205.31	1913761.10	6160825.26	Brass Disc Monument in Box on Coleman Rd 30' east of Antigua Way.
CP–101	211.06	1913419.45	6160035.14	Brass Disc Monument in Box at the center of Coleman Rd, 250' northeast of Porto Alegre Dr.
CP–102	211.30	1913328.59	6159955.84	Brass Disc Monument in Box on Coleman Rd 29' northeast of Porto Alegre Dr.
CP–103	211.40	1913306.48	6159936.53	Brass Disc Monument in box in the intersection of Coleman Rd and Porto Alegre Dr.
CP–104	215.13	1912871.01	6159258.77	Brass Disc Monument in Box on Coleman Rd, 23' east of Recife Way.
CP–105	215.14	1912862.93	6159237.60	Brass Disc Monument in Box in the intersection of Recife Way and Coleman Rd.
CP–106	216.17	1912801.78	6159076.32	Brass Disc Monument in Box on Coleman Rd, 170' west of Recife Way.
CP–107	219.92	1912359.46	6158561.13	Brass Disc Monument in box on Coleman Rd 100' northeast of Maracaibo Dr.
CP–110	249.67	1910759.79	6156311.67	Brass Pin Monument in Box in the intersection of Coleman Rd and Sentinel St
CP–112	233.15	1911625.55	6157356.31	Brass Pin in Monument Box at east edge of median island on Coleman Rd, 550' northeast of Meander Dr.



DETAIL – TRENCH BEDDING /BACKFILL AND SURFACE RESTORATION (N.T.S.) (1/–)



DETAIL – TRENCH BEDDING/BACKFILL AT SANITARY & UTILITY UNDERCROSSING (N.T.S.) (2/–)



DROP MANHOLE CONNECTION DETAIL (N.T.S) (3/–)

BASIS OF CONTROL

COORDINATES, BEARINGS, DISTANCES, AND ELEVATIONS ARE BASED ON THE GPS RTK SURVEY CONDUCTED ON JULY 7, 2009 REFERENCING THE NAD83, ZONE 111. EPOCH 2002.00, HORIZONTAL DATUM AND THE NAVD88 (GEOID 03) VERTICAL DATUM.

THE SURVEY CONTROL POINTS LISTED ARE GRID AND ARE BASED ON A CSJ GPS NETWORK. TO PRODUCE GROUND DISTANCE, APPLY THE FACTOR OF 1.00004789567.

REFERENCES

CSJ FILE # 10–172

COLEMAN ROAD SANITARY SEWER IMPROVEMENT PROJECT

DETAILS, LEGEND AND GENERAL NOTES

	REVISIONS	DATE
6		
5		
4		
3		
2		
1		

CONSTRUCTION
ELECTRICAL
MATERIALS LAB
SANITARY
STORM
SURVEY

DEVELOPMENT
DEPARTMENT OF TRANSPORTATION
MAINTENANCE
TRAFFIC OPS.

REGISTERED PROFESSIONAL ENGINEER
MICHAEL O'CONNELL
NO. C54828
Exp. 03-31-12
CIVIL
STATE OF CALIFORNIA

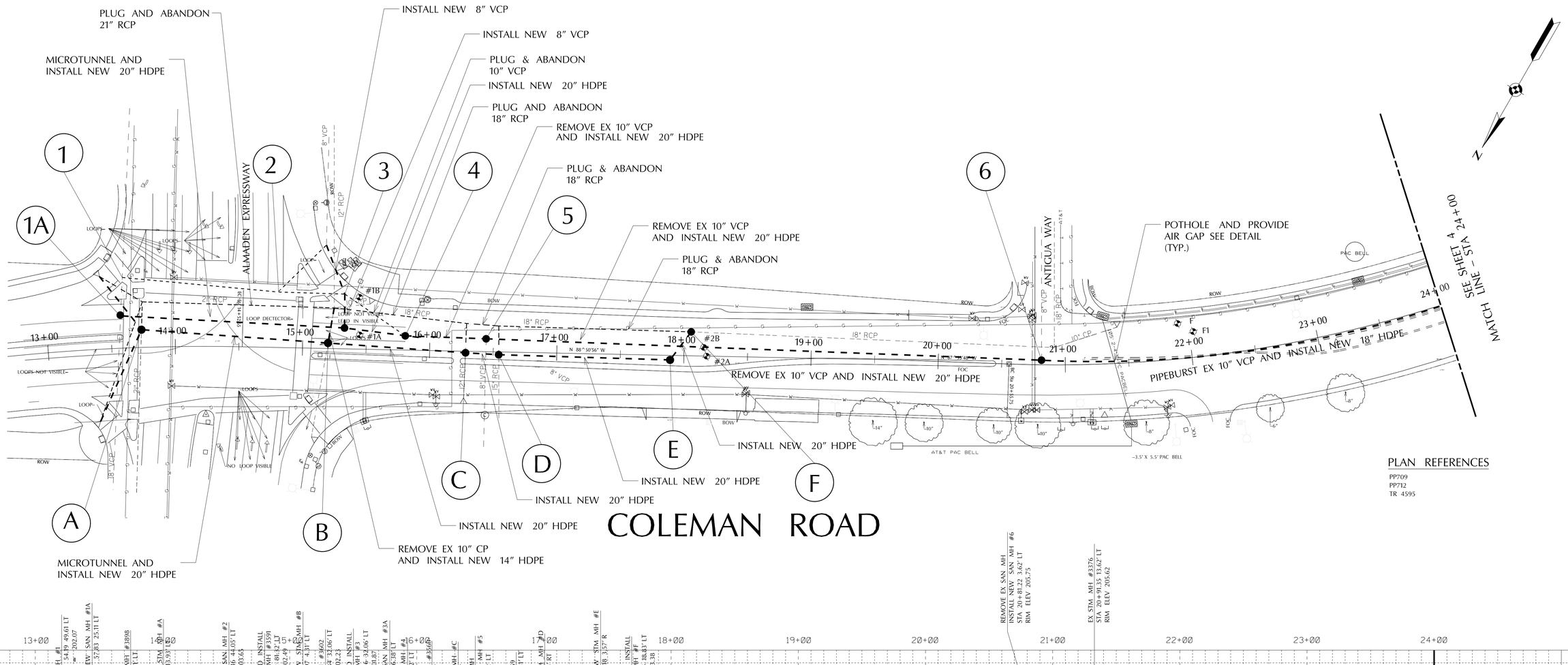
CITY OF SAN JOSE
CAPITAL OF SILICON VALLEY

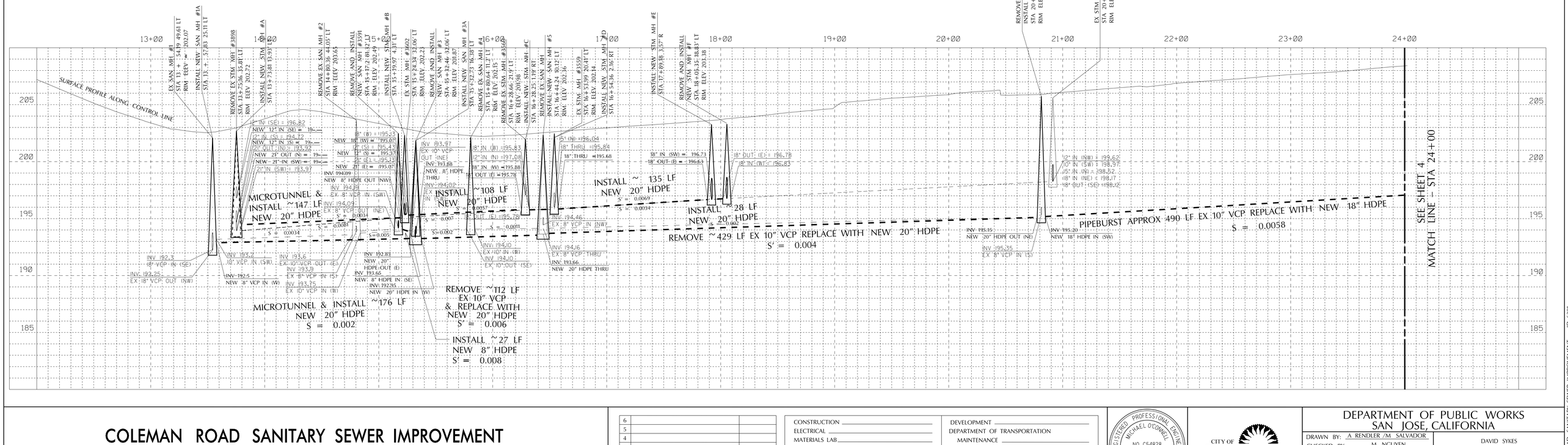
DEPARTMENT OF PUBLIC WORKS
SAN JOSE, CALIFORNIA

DRAWN BY: A RENDLER /M. SALVADOR
CHECKED BY.: M. NGUYEN
PROJ. MGR.: M. SALVADOR
DATE: JULY 8, 2011
SCALE: NOT TO SCALE
SHEET NO. 2 OF 8 SHEETS

DAVID SYKES
ACTING DIRECTOR OF PUBLIC WORKS

PROJECT ID. 6391





COLEMAN ROAD SANITARY SEWER IMPROVEMENT

COLEMAN ROAD PLAN & PROFILE FROM STA 13+00 TO 24+00

6		
5		
4		
3		
2		
1		
	REVISIONS	DATE

CONSTRUCTION
ELECTRICAL
MATERIALS LAB
SANITARY
STORM
SURVEY

DEVELOPMENT
DEPARTMENT OF TRANSPORTATION
MAINTENANCE
TRAFFIC OPS.

REGISTERED PROFESSIONAL ENGINEER MICHAEL O'CONNELL NO. C54828 Exp. 03-31-12 CIVIL STATE OF CALIFORNIA

CITY OF SAN JOSE CAPITAL OF SILICON VALLEY

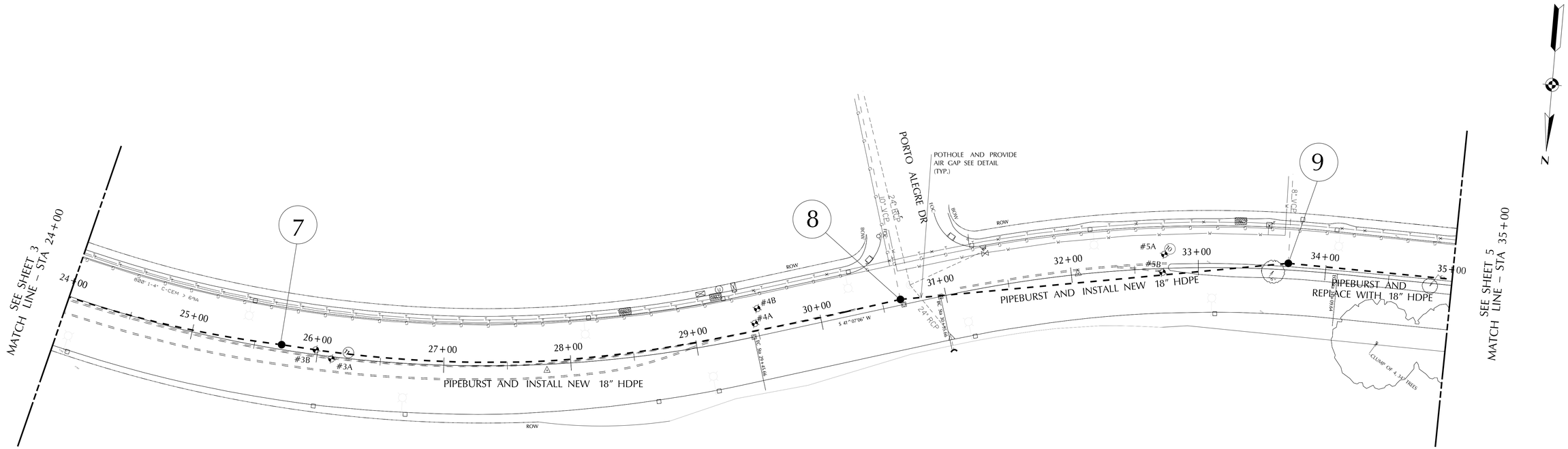
DEPARTMENT OF PUBLIC WORKS
SAN JOSE, CALIFORNIA

DRAWN BY: A RENDLER /M SALVADOR
CHECKED BY: M NGUYEN
PROJ. ENGR.: M SALVADOR
DATE: JULY 8 ,2011
SCALE: H: 1" = 40' V: 1" = 4'
SHEET NO. 3 OF 8 SHEETS

DAVID SYKES
DIRECTOR OF PUBLIC WORKS

PROJECT ID. 6391

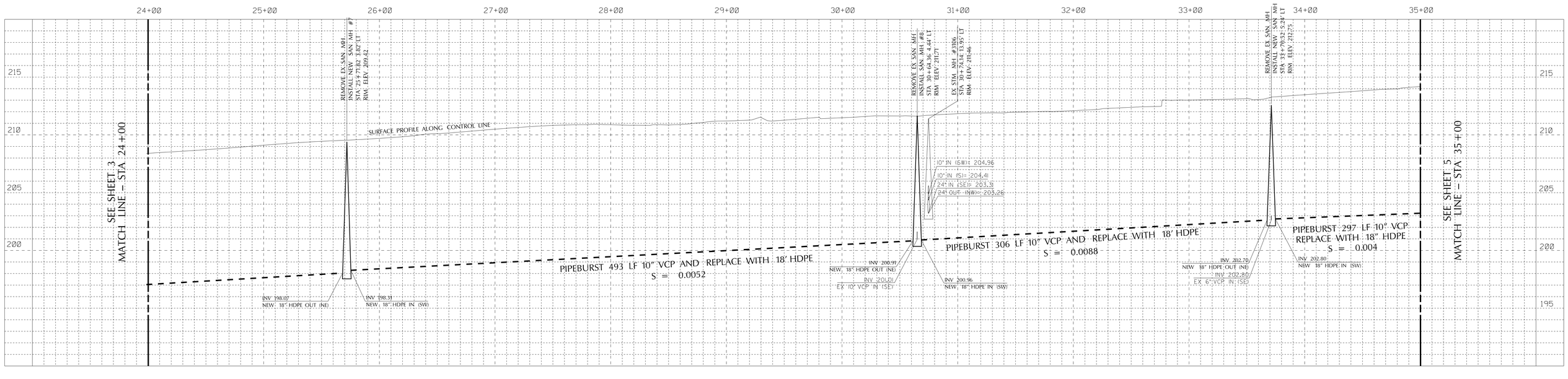
COLEMAN ROAD SANITARY SEWER IMPROVEMENT – ID. 6391



PLAN REFERENCES

TR 4649
PW 1387
PW 1363
PW 1365

COLEMAN ROAD



COLEMAN ROAD SANITARY SEWER IMPROVEMENT

COLEMAN ROAD PLAN & PROFILE STA 24+00 TO 35+00

	REVISIONS	DATE
6		
5		
4		
3		
2		
1		

CONSTRUCTION
ELECTRICAL
MATERIALS LAB
SANITARY
STORM
SURVEY

DEVELOPMENT
DEPARTMENT OF TRANSPORTATION
MAINTENANCE
TRAFFIC OPS.

REGISTERED PROFESSIONAL ENGINEER
MICHAEL O'CONNELL
NO. C54828
Exp. 3-31-12
CIVIL
STATE OF CALIFORNIA

CITY OF SAN JOSE
CAPITAL OF SILICON VALLEY

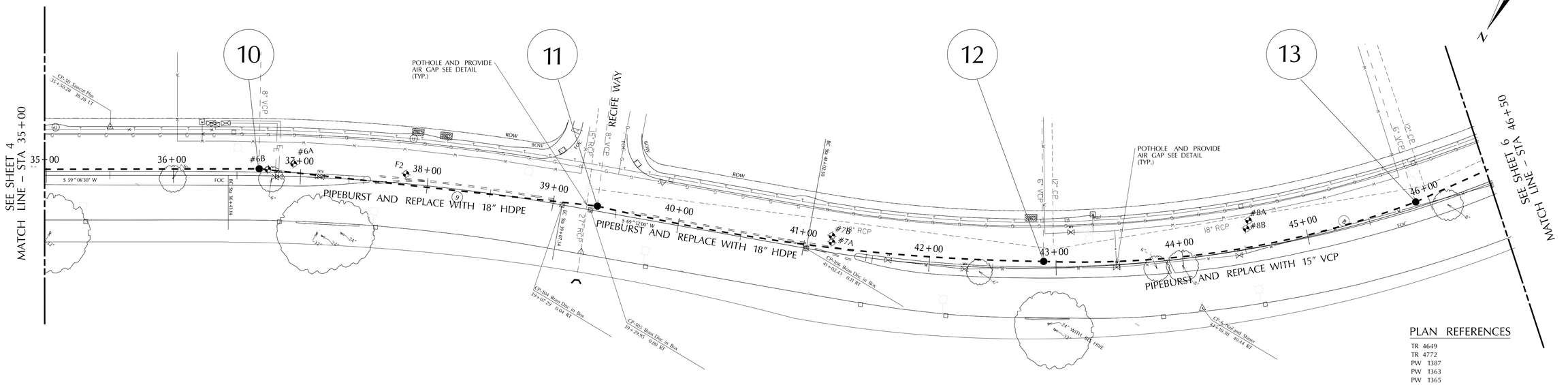
DEPARTMENT OF PUBLIC WORKS
SAN JOSE, CALIFORNIA

DRAWN BY: A RENDLER / M SALVADOR
CHECKED BY: M NGUYEN
PROJ. ENGR.: M SALVADOR
DATE: JULY 8, 2011
SCALE: H: 1" = 40' V: 1" = 4'
SHEET NO. 4 OF 8 SHEETS

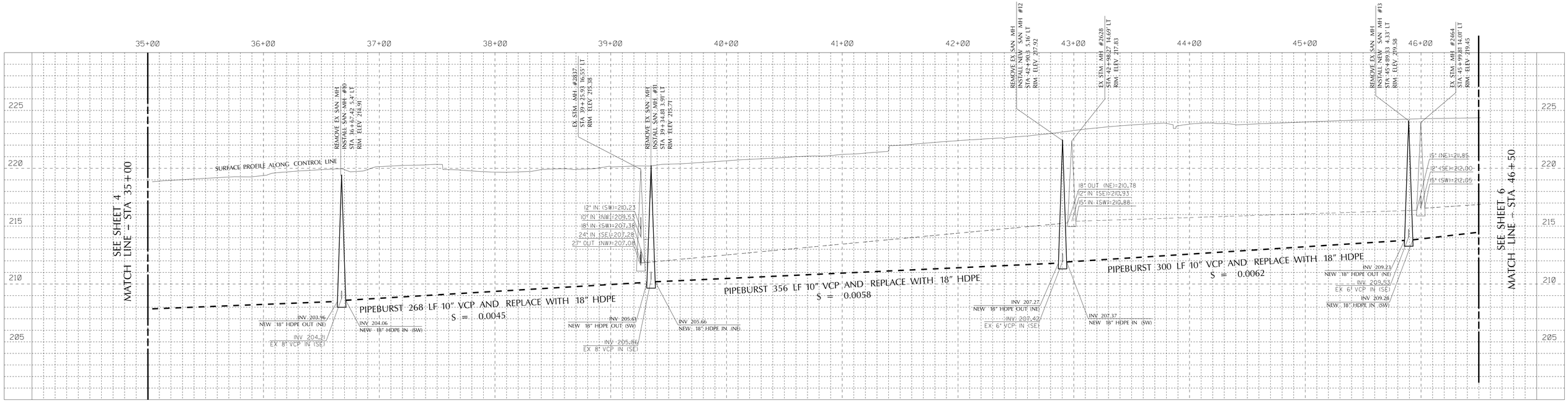
DAVID SYKES
ACTING DIRECTOR OF PUBLIC WORKS

PROJECT ID. 6391

COLEMAN ROAD SANITARY SEWER IMPROVEMENT ID # 6391



COLEMAN ROAD



COLEMAN ROAD SANITARY SEWER IMPROVEMENT

COLEMAN ROAD PLAN & PROFILE STA 35+00 TO 46+50

	REVISIONS	DATE
6		
5		
4		
3		
2		
1		

CONSTRUCTION
ELECTRICAL
MATERIALS LAB
SANITARY
STORM
SURVEY

DEVELOPMENT
DEPARTMENT OF TRANSPORTATION
MAINTENANCE
TRAFFIC OPS.

REGISTERED PROFESSIONAL ENGINEER
MICHAEL O'CONNELL
NO. C54828
Exp. 3-31-12
CIVIL
STATE OF CALIFORNIA

CITY OF SAN JOSE
CAPITAL OF SILICON VALLEY

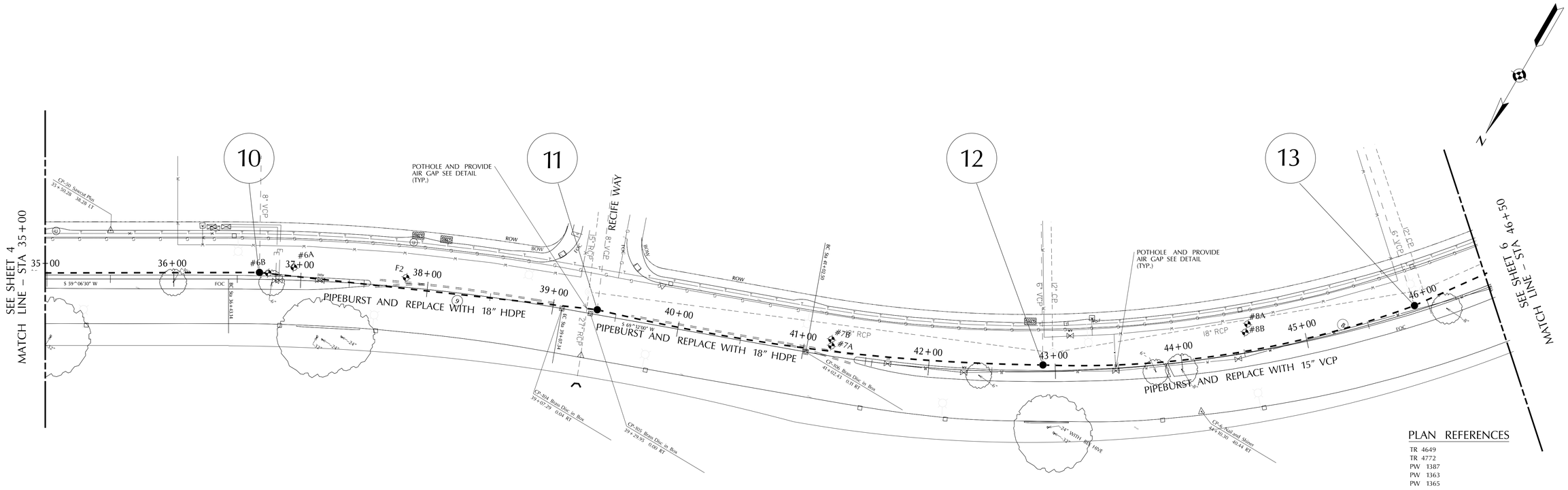
DEPARTMENT OF PUBLIC WORKS
SAN JOSE, CALIFORNIA

DRAWN BY: A RENDLER /M SALVADOR
CHECKED BY: M NGUYEN
PROJ. ENGR.: M SALVADOR
DATE: JULY 8 ,2011
SCALE: 1" = 100'
SHEET NO. 5 OF 8 SHEETS

DAVID SYKES
ACTING DIRECTOR OF PUBLIC WORKS

PROJECT ID. 6391

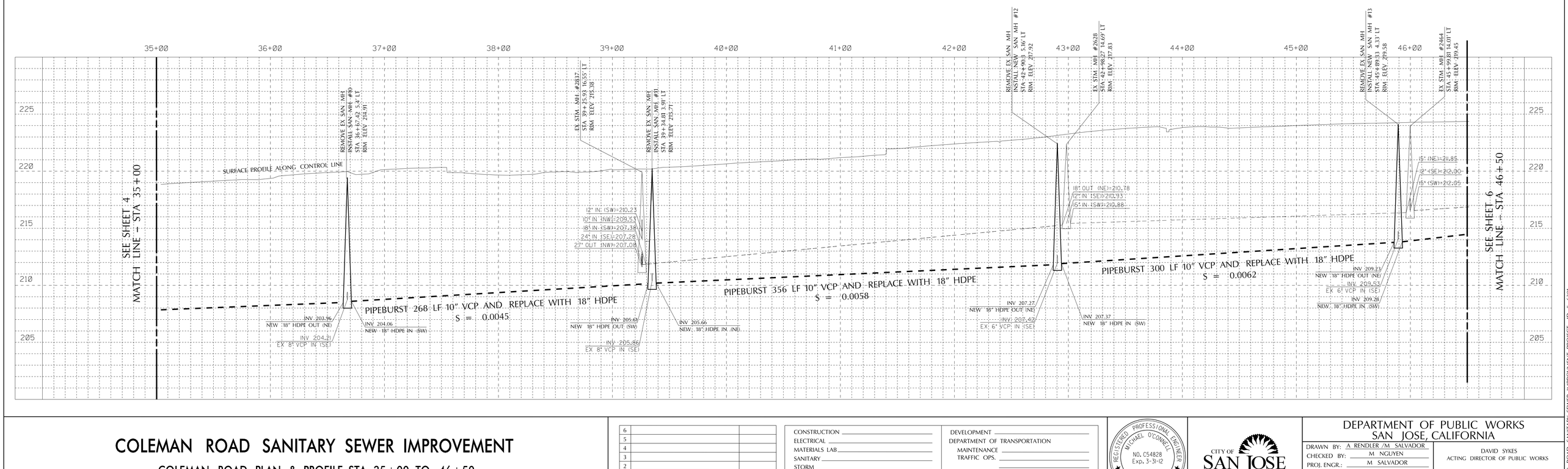
COLEMAN ROAD SANITARY SEWER IMPROVEMENT PROJECT ID. # 6391



PLAN REFERENCES

TR 4649
TR 4772
PW 1387
PW 1363
PW 1365

COLEMAN ROAD



COLEMAN ROAD SANITARY SEWER IMPROVEMENT

COLEMAN ROAD PLAN & PROFILE STA 35+00 TO 46+50

6		
5		
4		
3		
2		
1		
	REVISIONS	DATE

CONSTRUCTION
ELECTRICAL
MATERIALS LAB
SANITARY
STORM
SURVEY

DEVELOPMENT
DEPARTMENT OF TRANSPORTATION
MAINTENANCE
TRAFFIC OPS.

REGISTERED PROFESSIONAL ENGINEER
MICHAEL O'CONNELL
NO. C54828
Exp. 3-31-12
CIVIL
STATE OF CALIFORNIA

CITY OF SAN JOSE
CAPITAL OF SILICON VALLEY

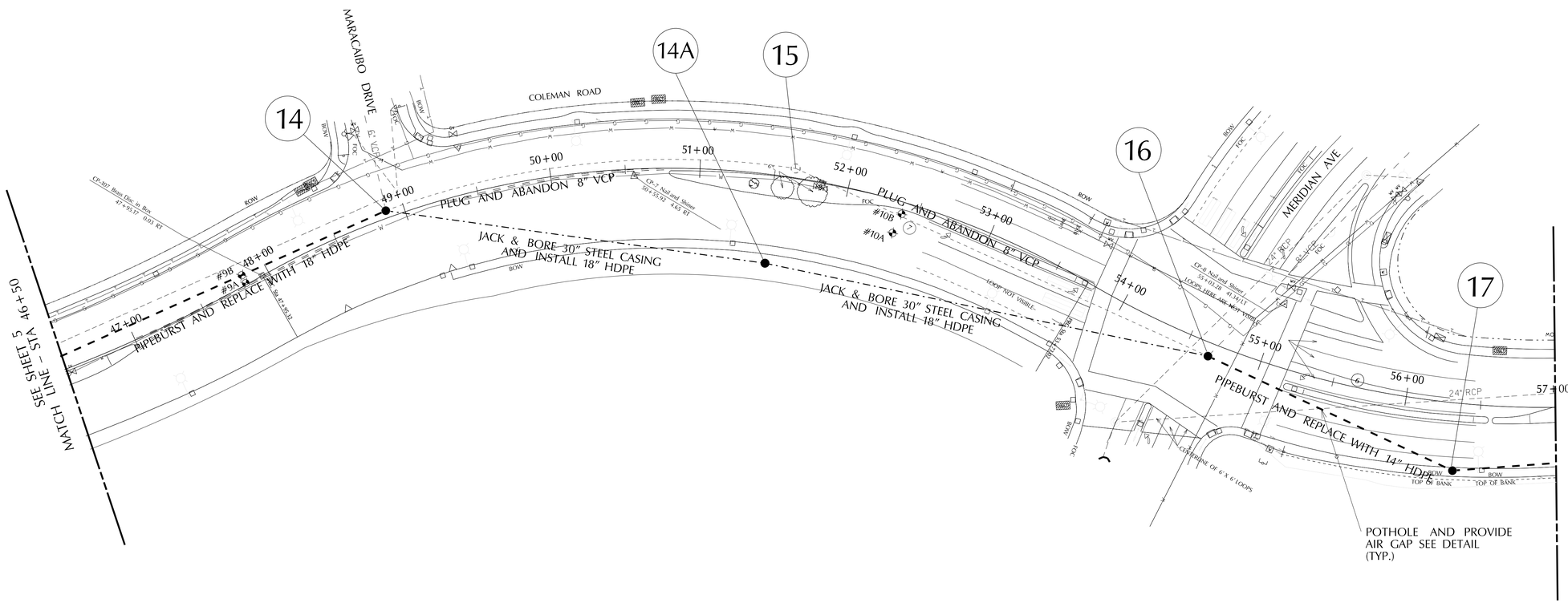
DEPARTMENT OF PUBLIC WORKS
SAN JOSE, CALIFORNIA

DRAWN BY: A RENDLER /M SALVADOR
CHECKED BY: M NGUYEN
PROJ. ENGR.: M SALVADOR
DATE: JULY 8 ,2011
SCALE: 1" = 100'
SHEET NO. 5 OF 8 SHEETS

DAVID SYKES
ACTING DIRECTOR OF PUBLIC WORKS

PROJECT ID. 6391

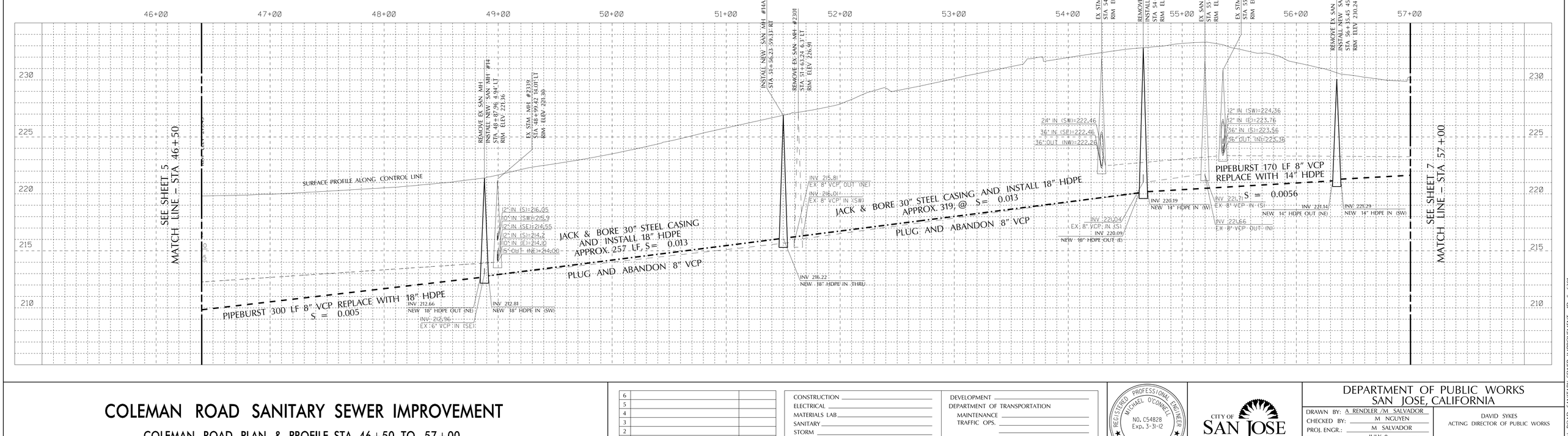
COLEMAN ROAD SANITARY SEWER IMPROVEMENT PROJECT ID. # 6391



PLAN REFERENCES

PP 109
TR 4772
TR 3404
IMP 76-6069
PW 1387
PW 1363
PW 1365

COLEMAN ROAD



COLEMAN ROAD SANITARY SEWER IMPROVEMENT

COLEMAN ROAD PLAN & PROFILE STA 46+50 TO 57+00

6		
5		
4		
3		
2		
1		
	REVISIONS	DATE

CONSTRUCTION
ELECTRICAL
MATERIALS LAB
SANITARY
STORM
SURVEY

DEVELOPMENT
DEPARTMENT OF TRANSPORTATION
MAINTENANCE
TRAFFIC OPS.

REGISTERED PROFESSIONAL ENGINEER
MICHAEL O'CONNELL
NO. C54828
Exp. 3-31-12
CIVIL
STATE OF CALIFORNIA

CITY OF SAN JOSE
CAPITAL OF SILICON VALLEY

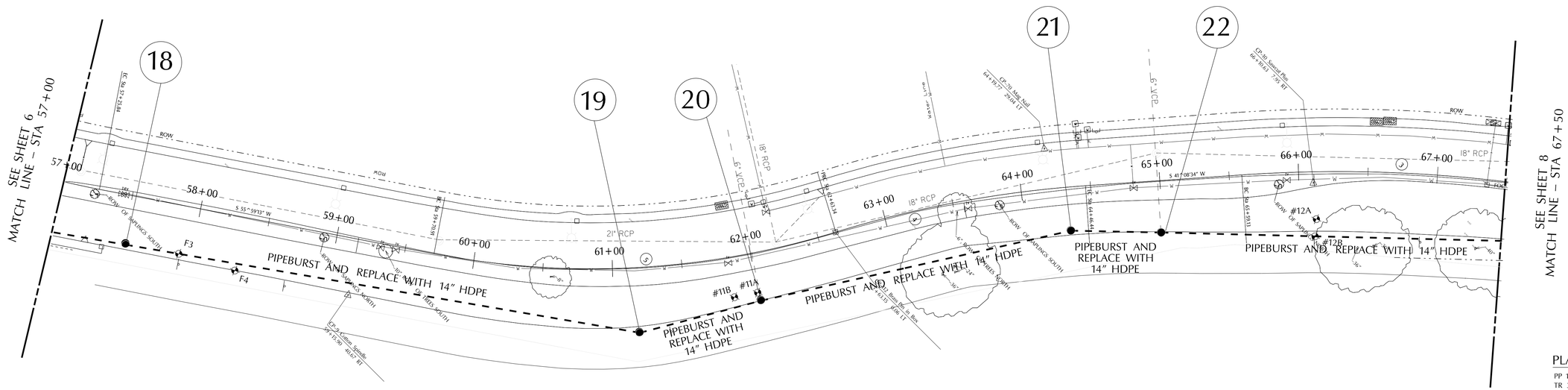
DEPARTMENT OF PUBLIC WORKS
SAN JOSE, CALIFORNIA

DRAWN BY: A RENDLER /M SALVADOR
CHECKED BY: M NGUYEN
PROJ. ENGR.: M SALVADOR
DATE: JULY 8 ,2011
SCALE: NTS H: 1"=40' V: 1"=4'
SHEET NO. 6 OF 8 SHEETS

DAVID SYKES
ACTING DIRECTOR OF PUBLIC WORKS

PROJECT ID. 6391

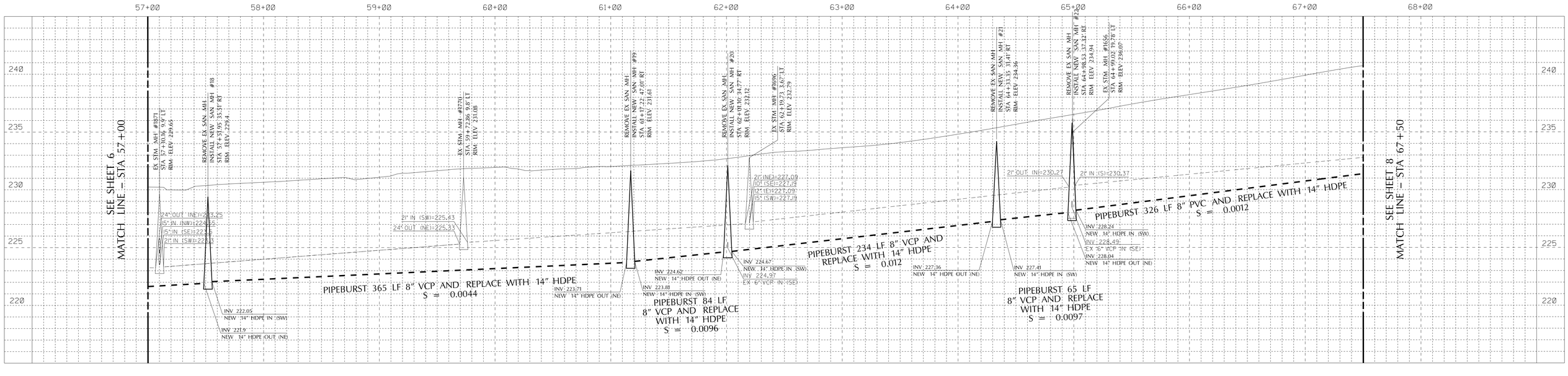
COLEMAN ROAD SANITARY SEWER IMPROVEMENT ID. # 6391



PLAN REFERENCES

PP 109
TR 3404
PW 1387
PW 1363
PW 1365

COLEMAN ROAD



COLEMAN ROAD SANITARY SEWER IMPROVEMENT

COLEMAN ROAD PLAN & PROFILE STA 57+00 TO 67+50

	REVISIONS	DATE
6		
5		
4		
3		
2		
1		

CONSTRUCTION
ELECTRICAL
MATERIALS LAB
SANITARY
STORM
SURVEY

DEVELOPMENT
DEPARTMENT OF TRANSPORTATION
MAINTENANCE
TRAFFIC OPS.

REGISTERED PROFESSIONAL ENGINEER
MICHAEL O'CONNELL
NO. C54828
Exp. 3-31-12
CIVIL
STATE OF CALIFORNIA

CITY OF SAN JOSE
CAPITAL OF SILICON VALLEY

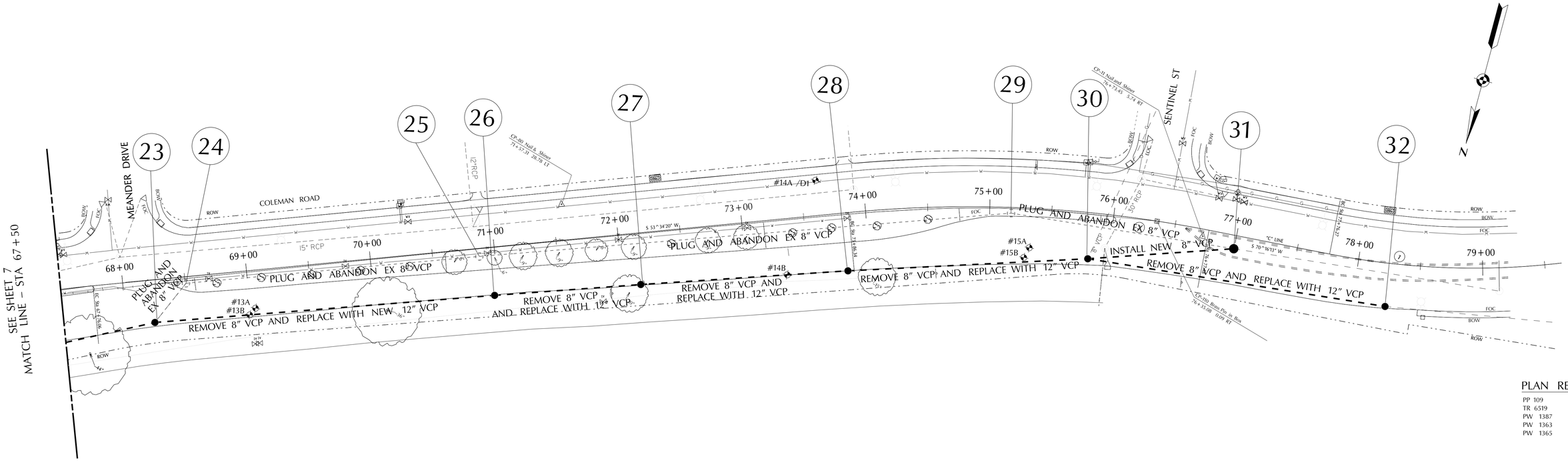
DEPARTMENT OF PUBLIC WORKS
SAN JOSE, CALIFORNIA

DRAWN BY: A RENDLER / M SALVADOR
CHECKED BY: M NGUYEN
PROJ. ENGR.: M SALVADOR
DATE: JULY 8, ,2011
SCALE: NTS H: 1" = 40' V: 1" = 4'
SHEET NO. 7 OF 8 SHEETS

DAVID SYKES
ACTING DIRECTOR OF PUBLIC WORKS

PROJECT ID. 6391

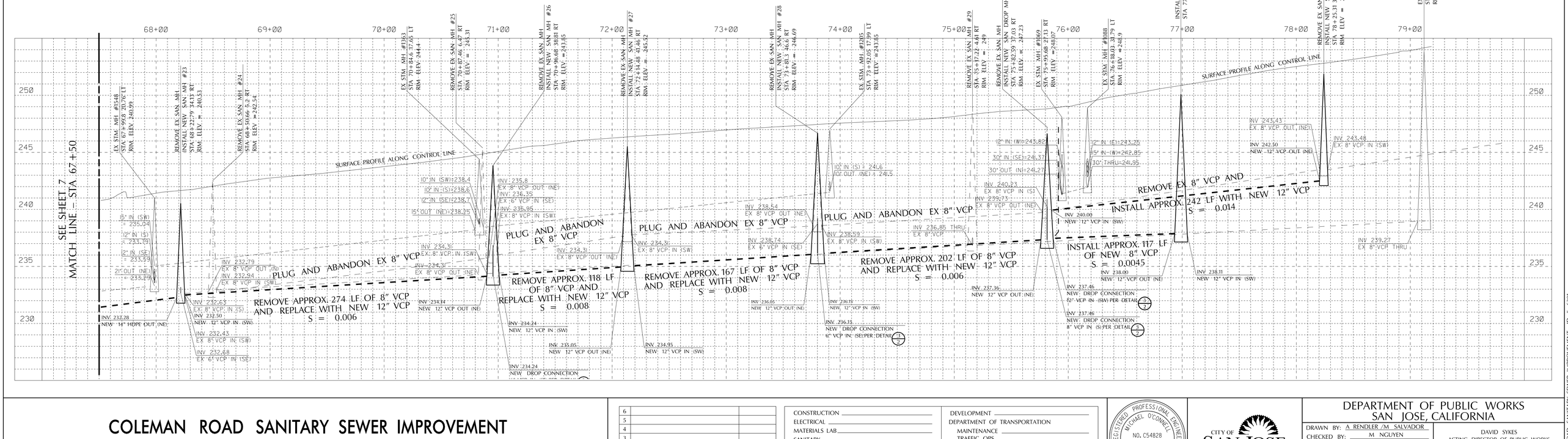
COLEMAN ROAD SANITARY SEWER IMPROVEMENT ID # 6391



PLAN REFERENCES

PP 109
TR 6519
PW 1387
PW 1363
PW 1365

COLEMAN ROAD



COLEMAN ROAD SANITARY SEWER IMPROVEMENT

COLEMAN ROAD PLAN & PROFILE STA 67+50 TO 78+50

	REVISIONS	DATE
6		
5		
4		
3		
2		
1		

CONSTRUCTION
ELECTRICAL
MATERIALS LAB
SANITARY
STORM
SURVEY

DEVELOPMENT
DEPARTMENT OF TRANSPORTATION
MAINTENANCE
TRAFFIC OPS.

REGISTERED PROFESSIONAL ENGINEER
MICHAEL O'CONNELL
NO. C54828
Exp. 3-31-12
CIVIL
STATE OF CALIFORNIA

CITY OF SAN JOSE
CAPITAL OF SILICON VALLEY

DEPARTMENT OF PUBLIC WORKS
SAN JOSE, CALIFORNIA

DRAWN BY: A RENDLER /M SALVADOR
CHECKED BY: M NGUYEN
PROJ. ENGR.: M SALVADOR
DATE: JULY 8 ,2011
SCALE: NTS H: 1" = 40' V: 1" = 4'
SHEET NO. 8 OF 8 SHEETS

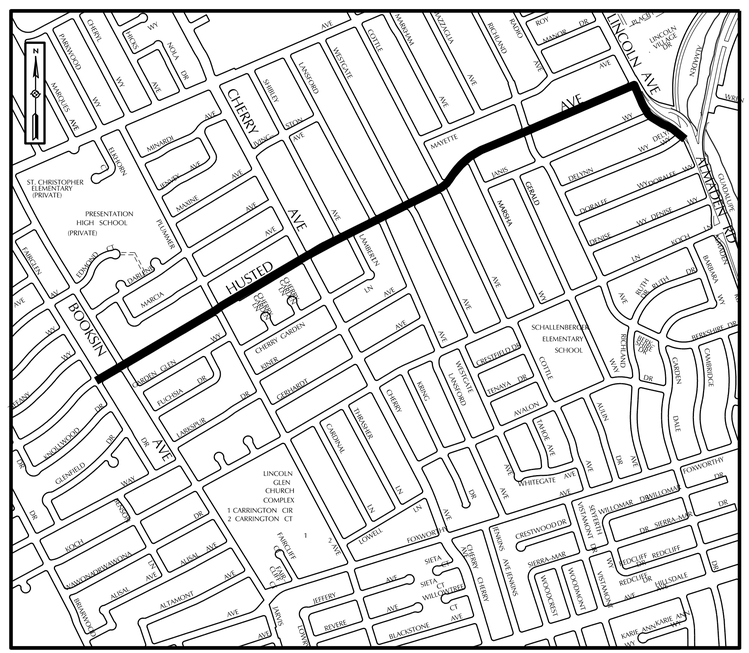
DAVID SYKES
ACTING DIRECTOR OF PUBLIC WORKS

PROJECT ID. 6391

COLEMAN ROAD SANITARY SEWER IMPROVEMENT ID. # 6391

CITY OF SAN JOSE
DEPARTMENT OF PUBLIC WORKS
PLANS FOR

6447 – HUSTED – RICHLAND SANITARY SEWER IMPROVEMENT



LOCATION MAP
N.T.S.

PRELIMINARY
NOT FOR CONSTRUCTION

CHECK PRINT NO. _____
RETURN TO ENGG. & CONSTR. SERVICES, RM 300
ATTN: _____ EXT. 4638
DATE SENT _____ DATE RECEIVED BY E&CS _____
DATE DELIVERED BY CONSULTANT _____

DIVISION	DATE REC BY DIV.	CHECKED BY & DATE	DATE RET BY DIV.	DATE DUE BACK

COMMENTS

INDEX

COVER SHEET	1
DETAILS, LEGENDS & NOTES	2
PLAN & PROFILE	8

APPROVED BY: _____

REGISTERED PROFESSIONAL ENGINEER
MICHAEL O'CONNELL
NO. C54828
Exp. 03-31-12
CIVIL
STATE OF CALIFORNIA

DAVID SYKES
DIRECTOR OF PUBLIC WORKS

DATE: _____

SHEET 1 OF 8
PROJECT ID # 6447

6447 – HUSTED – RICHLAND SANITARY SEWER IMPROVEMENT

PROJECT HORIZONTAL AND VERTICAL CONTROL POINTS

Control Point #	Elevs.	Northing	Easting	Description
CP 1	162.65	1927086.21	6153960.43	Nail & Shiner on Centerline of Husted Avenue Approximately 3.5'North of Centerline of Fairglen Drive
CP 2	157.66	1927428.33	6154551.79	Nail & Shiner on Centerline of Husted Avenue at Address 1575 Husted Avenue
CP 3	152.92	1927951.96	6155443.98	Nail & Shiner on Centerline of Husted Avenue at Address 1497 Husted Avenue
CP 4	150.01	1928469.46	6156384.88	Nail & Shiner Approximately 9'East of the Centerline of Husted Avenue at the Centerline Produced of Lansford Avenue
CP 5	147.20	1928666.05	6156707.25	Nail & Shiner at the Top of Curb Northwesterly Return on Husted Avenue at Westgate Avenue
CP 6	146.78	1928792.95	6156990.52	Nail & Shiner at Centerline of Husted Avenue at Cottle Avenue
CP 7	144.97	1929051.06	6157231.67	Nail & Shiner at Centerline of Husted Avenue Approximately 7'North of Marsha Way
CP 8	144.43	1929284.55	6157741.73	Nail & Shiner at Centerline of Husted Avenue Approximately 20'North of the Centerline of Richland Avenue
CP 9	143.91	1929550.24	6157606.28	Nail & Shiner at Centerline of Mayette Avenue Approximately 20'South of the Centerline of Richland Avenue
CP 10	142.75	1929796.09	6157536.22	Nail & Shiner at 2374 Richland Avenue Approximately 7'South of Fire Hydrant
CP 11	142.14	1930039.02	6157368.25	Sawcut "x" on Westerly Sidewalk 1.2'From Back of Walk at Address 2355 Richland Avenue
CP 12	141.16	1930377.56	6157227.49	Nail & Shiner at Address 2288 Richland Avenue Appproximately 7'From Face of Curb
CP 13	141.00	1930642.58	6157077.31	Mag Nail at the Centerline of Newport Avenue Approximately 30'North of the Centerline of Curtner Avenue
CP 99	160.48	1927217.37	6154187.53	Brass Pin in Box on the Centerline of Husted Avenue at Booksin Drive
CP 100	160.26	1927222.53	6154196.18	Brass Pin in Box on the Centerline of Husted Avenue 10'North of the Centerline of Booksin Drive
CP 101	156.28	1927704.19	6155029.71	Brass Pin in Box on the Centerline of Husted Avenue at Plummer Avenue
CP 102	152.66	1928165.56	6155800.69	Brass Pin in Box on the Centerline of Husted Avenue at Cherry Avenue
CP 103	151.82	1928250.38	6155942.47	Brass Pin in Box on the Centerline of Husted Avenue Approximately 165'Northest of Cherry Avenue
CP 104	151.22	1928325.54	6156089.48	Brass Pin on the Centerline of Husted Avenue at Shibley Avenue
CP 105	141.20	1930613.97	6157091.86	Brass Pin in Box on the Centerline of Curtner Avenue at Richland Avenue

REFERENCES

CSJ File # 10-160

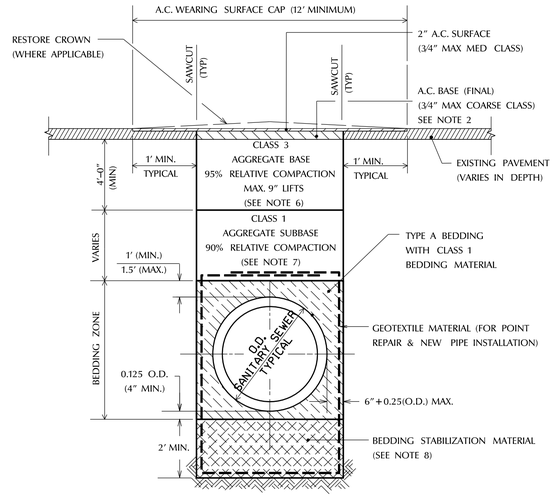
BASIS OF CONTROL

Coordinates, Bearings, Distances, and Elevations are based on The GPS RTK Survey Conducted on June 11, 2010 Referencing The NAD83, Zone III, Epoch 2002.00, Horizontal Datum and The NAVD88 (Geoid 03) Vertical Datum.

The Survey Control Points Listed are Grid and are Based on a CSJ GPS Network. To Produce Ground Distances, Apply The Factor of 1.00003979333

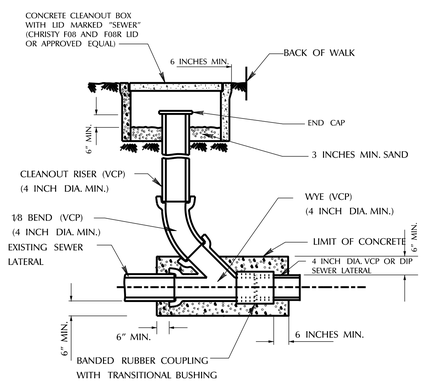
PAVEMENT TABLE

STREET	BORE/CORE NO.	EXISTING ASPHALT CONCRETE (inches)	EXISTING AGGREGATE BASE (inches)	RESTORATION TOTAL ASPHALT CONCRETE (inches)
RICHLAND AVENUE	1	4.8	3.6	8
RICHLAND AVENUE	2	5.4	7.2	8
HUSTED AVENUE	3	6	-	8
HUSTED AVENUE	4	3.6	10.8	8
HUSTED AVENUE	5	4.2	6	8
HUSTED AVENUE	6	3.6	4.8	8
LINCOLN AVENUE	7	5.4	10.8	8
AMADEN RAOD	8	3.6	6	8



DETAIL – TRENCH BEDDING/BACKFILL AND A.C. SURFACE RESTORATION

NOT TO SCALE



NOTE:

1. CLEANOUT SHALL BE INSTALLED WITHIN 5 FEET OFF THE BACK OF WALK UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
2. END CAP SHALL BE EASILY REMOVABLE.
3. A TRAFFIC RATED BOX AND LID SHALL BE INSTALLED IF CLEANOUT IS LOCATED ON DRIVEWAY.

DETAIL – SANITARY SEWER LATERAL CLEANOUT (4 –)

(N.T.S.)

NOTES:

1. CLEAN & TACK SIDES OF EXCAVATION & BETWEEN COURSES WITH SPRAY APPLICATION OF SS-1H BINDER BEFORE PLACING A.C. SURFACE.
2. PLACE A TOTAL OF 8" A.C. BASE TO FINISH GRADE. GRIND ENTIRE WEARING SURFACE CAP WIDTH INCLUDING A.C. BASE & EXISTING SURFACE TO A DEPTH OF 2" BELOW FINISH GRADE JUST PRIOR TO PLACING A.C. SURFACE.
3. THE 2" A.C. SURFACE SHALL BE PLACED THE SAME DAY AS THE PAVEMENT GRINDING, OR COVERED WITH NON-SKID STEEL PLATES COUNTERSUNK FLUSH WITH THE ADJACENT GRADES UNTIL THE A.C. SURFACE CAN BE PLACED.
4. SEAL SURFACE BY SPRAY APPLICATION OF SS-1H EMULSION FOG SEAL AFTER FINISH ROLLING.
5. SHOVEL – SLICING OF BEDDING MATERIAL IN THE HAUNCH AREAS IS REQUIRED WHEN BEDDING IS NO HIGHER THAN THE QUARTER POINT OF THE PIPE.
6. CONTRACTOR SHALL USE CLASS 3 AGGREGATE BASE, 3/4-INCH MAXIMUM GRADATION AS BACKFILL MATERIAL ON THIS PROJECT. CLASS 3 3/4-INCH MAXIMUM GRADATION AGGREGATE BASE SHALL CONFORM TO SECTION 26 OF THE STANDARD SPECIFICATIONS.
7. CONTRACTOR MAY ELECT TO USE CLASS 3 AGGREGATE BASE, 3/4-INCH MAXIMUM GRADATION AS BACKFILL IN LIEU OF CLASS 1 AGGREGATE SUBBASE.
8. BEDDING STABILIZATION MATERIAL SHALL BE USED FOR UNSUITABLE SOIL CONDITION OR AS DIRECTED BY THE ENGINEER FOR NEW PIPE INSTALLATION OR POINT REPAIRS.

GENERAL NOTES

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE 1992 CITY OF SAN JOSE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION AND STANDARD DETAILS AS ADOPTED BY THE CITY COUNCIL.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR THE VERIFICATION OF LOCATIONS AND DEPTHS OF EXISTING UTILITIES, BEFORE BEGINNING CONSTRUCTION. LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE AND FOR GENERAL INFORMATION ONLY. UTILITY COMPANIES AND USA SHALL BE NOTIFIED 48 HOURS PRIOR TO EXCAVATION WITHIN PROJECT AREA. (USA 800-277-2600).
3. CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGES TO SERVICE LATERALS (GAS, WATER, STORM, SANITARY) AND MAIN WHICH ARE NOT SHOWN ON THESE PLANS. COORDINATE WITH UTILITY COMPANIES AND HAVE THEM MARK THESE LATERALS.
4. DURING CONSTRUCTION, OPEN MANHOLES SHALL BE COVERED WITH PLYWOOD TO KEEP DIRT AND DEBRIS FROM ENTERING STORM AND SANITARY PIPES.
5. CONTRACTOR SHALL SCHEDULE ITS WORK SO AS TO MAINTAIN CONTINUOUS SEWER SERVICE DURING CONSTRUCTION PERIOD.
6. CONTRACTOR SHALL VERIFY ALL EXISTING SEWER INVERT ELEVATIONS PRIOR TO BEGINNING OF ANY MOBILIZATION AND WORK.
7. THE EXISTING PIPELINE HORIZONTAL AND VERTICAL ALIGNMENTS AND DIAMETERS SHOWN ON ALL SHEETS ARE ESTIMATED FROM RECORD INFORMATION. ACTUAL ALIGNMENTS MAY VARY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE HORIZONTAL AND VERTICAL ALIGNMENTS AND DIAMETER OF THE HOST PIPE PRIOR TO ORDERING REHABILITATION MATERIALS AND COMMENCING CONSTRUCTION ACTIVITIES.
8. CONTRACTOR SHALL PROTECT EXISTING TREES. TREE ROOTS SHALL BE CUT BY HAND AND ANY ROOTS LARGER THAN 1" ARE TO BE SAW-CUT EVENLY IF EXPOSED. ROOTS SHALL BE COVERED IMMEDIATELY WITH TWO LAYERS OF BURLAP OR STRAW AND SOAKED DAILY.
9. CONTRACTOR SHALL PROTECT OR REPLACE SURVEY MOMUMENTS AND SURVEY CONTROL POINTS AS DIRECTED BY THE ENGINEER. NOTIFY THE CITY SURVEY SECTION AT (408) 975-7310 A MINIMUM OF 72 HOURS PRIOR TO DISTRUBANCE SO THE MOMUMENT CAN BE REFERENCED.
10. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING TRAFFIC SIGNAL, STREET LIGHTING, AND ELECTRICAL SYSTEMS FROM DAMAGE.
11. CONTRACTOR TO VERIFY LOCATION OF ALL EXISTING LATERALS TO BE EXTENDED PRIOR TO EXCAVATION. VIDEO AND/OR RADIO TRANSMITTER ARE ACCEPTABLE METHODS FOR LOCATING LATERALS.

LEGEND

REMOVE & REPLACE	TO BE CONST.	EXISTING	DESCRIPTION
			POINT REPAIR
			SANITARY SEWER
		SS	
			STORM SEWER
		SD	
		FO	FIBER OPTIC
		ATT	AT&T CABLE
		G	GAS LINE
		W	WATER LINE
		T	TELEPHONE FACILITIES
			ELECTRICAL FACILITIES
			OVERHEAD LINES
		SS LAT	EX. SANITARY SEWER LATERAL
			SANITARY MANHOLE
			STORM MANHOLE
		C	SEWER LATERAL CLEAN OUT
			FLAT GRATE INLET
			STANDARD HOODED INLET
			DRIVEWAY
			BENCHMARK
			CITY SURVEY MONUMENT
			SURVEY CONTROL POINT AS NOTED
			WHEELCHAIR RAMP
		CO	GAS VALVE
		WV	WATER VALVE
			WATER METER
			FIRE HYDRANT
			UTILITY CABINET
			UTILITY POLE
		U	UTILITY MANHOLE
			SIGN
			PULLBOX
			MANHOLE VENT
		VCP	VITRIFIED CLAY PIPE
		RCP	REINFORCED CONCRETE PIPE
		CP	CONCRETE PIPE
		LAT	SEWER LATERAL
			TREE
			TRAFFIC SIGNAL
			TRAFFIC LOOP
			VAULT
			GUY WIRE
			ELECTROLIER
			PLUG
		RCT	REINFORCED CONCRETE T-LOCK PIPE
			DIRECTION OF SEWER FLOW
			PROPERTY LINE
			LIMIT OF SLURRY SEAL
		F	FLUSHING INLET
		1	LOCATION OF BORE
		1	MH CALL OUT

SYMBOLS ARE NOT INTENDED TO REPRESENT EXACT SCALE.
TREES ARE SCALED TO SIZE UNLESS OTHERWISE NOTED.

SURVEY GENERAL NOTES

1. This map represents topography of surface features only.
2. Unless specified on this map, locations of utilities are neither intended nor implied.
3. For the locations of underground utilities call "USA" (1-800-642-2444).
4. Surface features are located by means of a station and offset from the street control line.
5. Curbline offsets are to face of curb.
6. Manhole and drop inlet offsets are to their respective centers. Hooded inlets (catch basins) are located by center of the top of hood at face of curb, unless otherwise noted.
7. Inverts for hooded inlets are measured from the top of hood, and inverts for manholes are measured from the rim.

This product constitutes our professional work. The information supplied on the dated electronic file may include raw field data which was not necessarily used in the final product. In the event the electronic file data is used to alter the product supplied, we shall not be responsible for any product derived from the altered or modified data which has not been reviewed and approved by the Survey Section.

Land Surveyor for the City of San Jose

6447 – HUSTED-RICHLAND SANITARY SEWER IMPROVEMENT

DETAIL, LEGENDS, AND NOTES

	REVISIONS	DATE
6		
5		
4		
3		
2		
1		

CONSTRUCTION
ELECTRICAL
MATERIALS LAB
SANITARY
STORM
SURVEY

DEVELOPMENT
DEPARTMENT OF TRANSPORTATION
MAINTENANCE
TRAFFIC OPS.

REGISTERED PROFESSIONAL ENGINEER MICHAEL O'CONNELL NO. C54828 Exp. 03-31-12 CIVIL STATE OF CALIFORNIA

CITY OF SAN JOSE
CAPITAL OF SILICON VALLEY

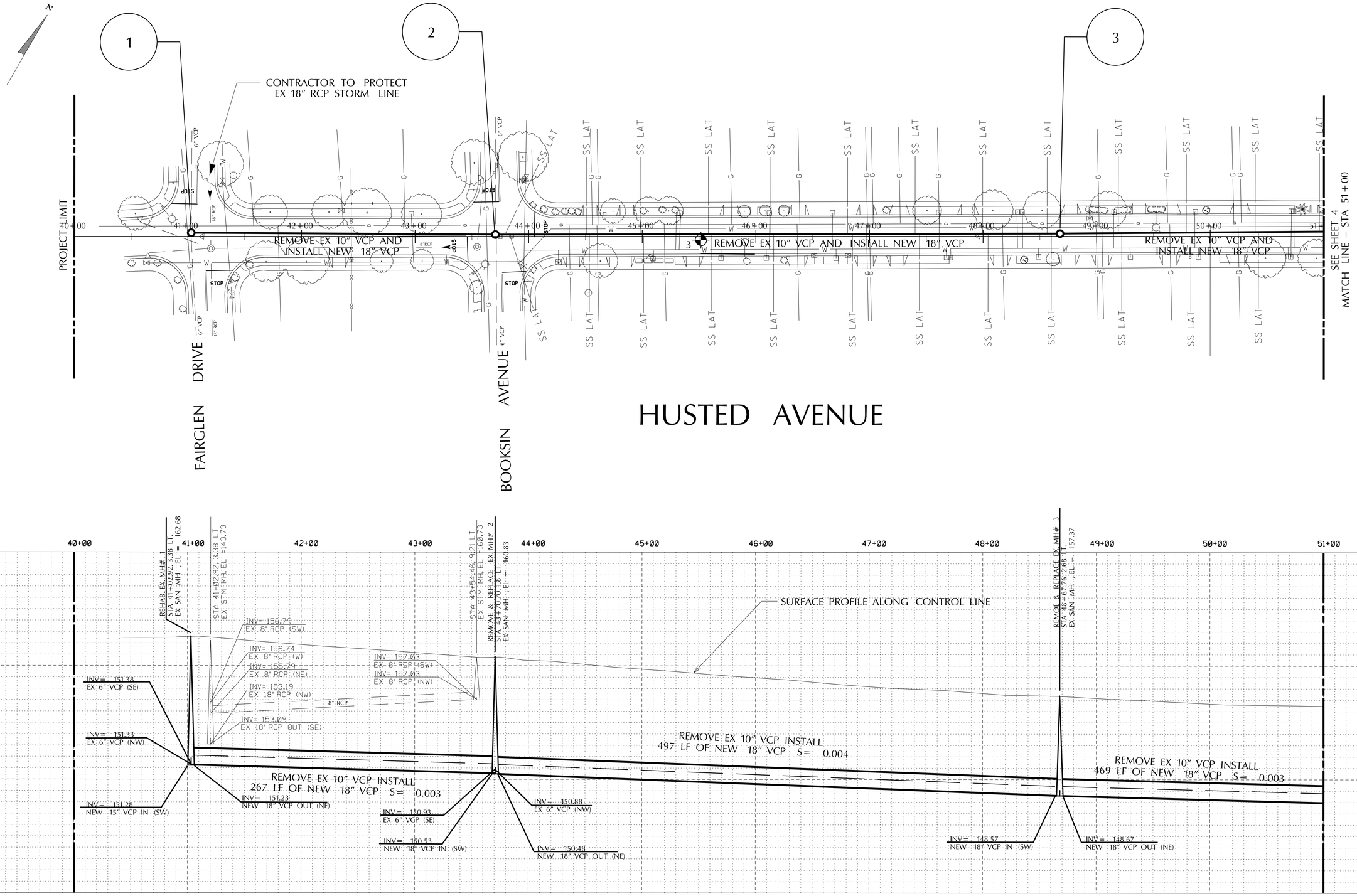
DEPARTMENT OF PUBLIC WORKS
SAN JOSE, CALIFORNIA

DRAWN BY: EVIN NGO
CHECKED BY: HELLENA CHOI
PROJ. ENGR.: JESSE ESTOLANO
DATE: OCTOBER ,20 11
SCALE: NTS
SHEET NO. 2 OF 8 SHEETS

DAVIC SYKES
DIRECTOR OF PUBLIC WORKS

PROJECT ID 6447

6447 – HUSTED RICHLAND SANITARY SEWER IMPROVEMENT



6447 – HUSTED–RICHLAND SANITARY SEWER IMPROVEMENT

PLAN & PROFILE

6		
5		
4		
3		
2		
1		
	REVISIONS	DATE

CONSTRUCTION
ELECTRICAL
MATERIALS LAB
SANITARY
STORM
SURVEY

DEVELOPMENT
DEPARTMENT OF TRANSPORTATION
MAINTENANCE
TRAFFIC OPS.

CITY OF SAN JOSE
CAPITAL OF SILICON VALLEY

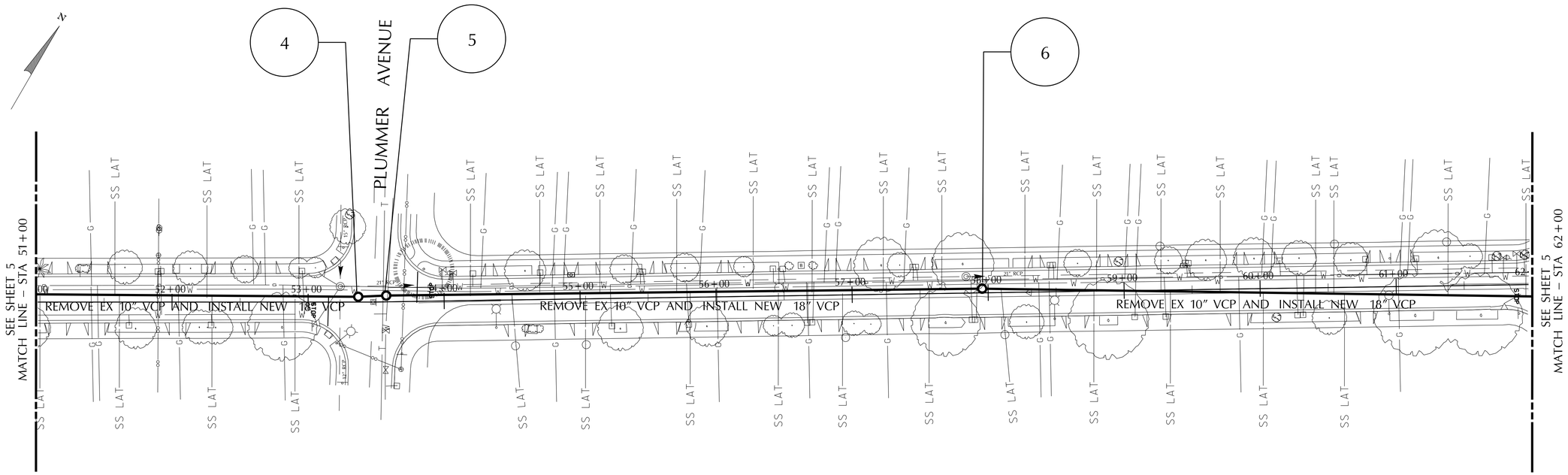
DEPARTMENT OF PUBLIC WORKS
SAN JOSE, CALIFORNIA

DRAWN BY: EVIN NGO
CHECKED BY: HELLENA CHOI
PROJ. ENGR.: JESSE ESTOLANO
DATE: OCTOBER ,20 11
SCALE: H:1"=40' ; V:1"=4'
SHEET NO. 3 OF 8 SHEETS

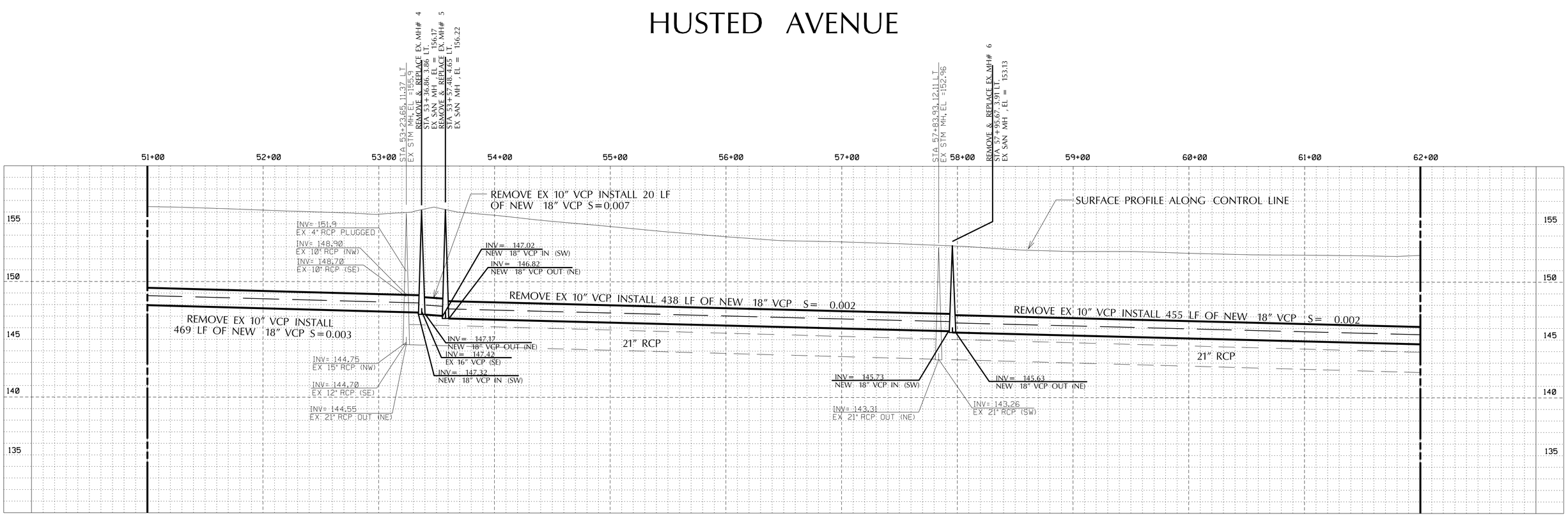
DAVID SYKES
DIRECTOR OF PUBLIC WORKS

PROJECT ID. 6447

6447 – HUSTED-RICHLAND SANITARY SEWER IMPROVEMTN



HUSTED AVENUE



6447 – HUSTED–RICHLAND SANITARY SEWER IMPROVEMENT

PLAN & PROFILE

6		
5		
4		
3		
2		
1		
	REVISIONS	DATE

CONSTRUCTION
ELECTRICAL
MATERIALS LAB
SANITARY
STORM
SURVEY

DEVELOPMENT
DEPARTMENT OF TRANSPORTATION
MAINTENANCE
TRAFFIC OPS.

CITY OF SAN JOSE
CAPITAL OF SILICON VALLEY

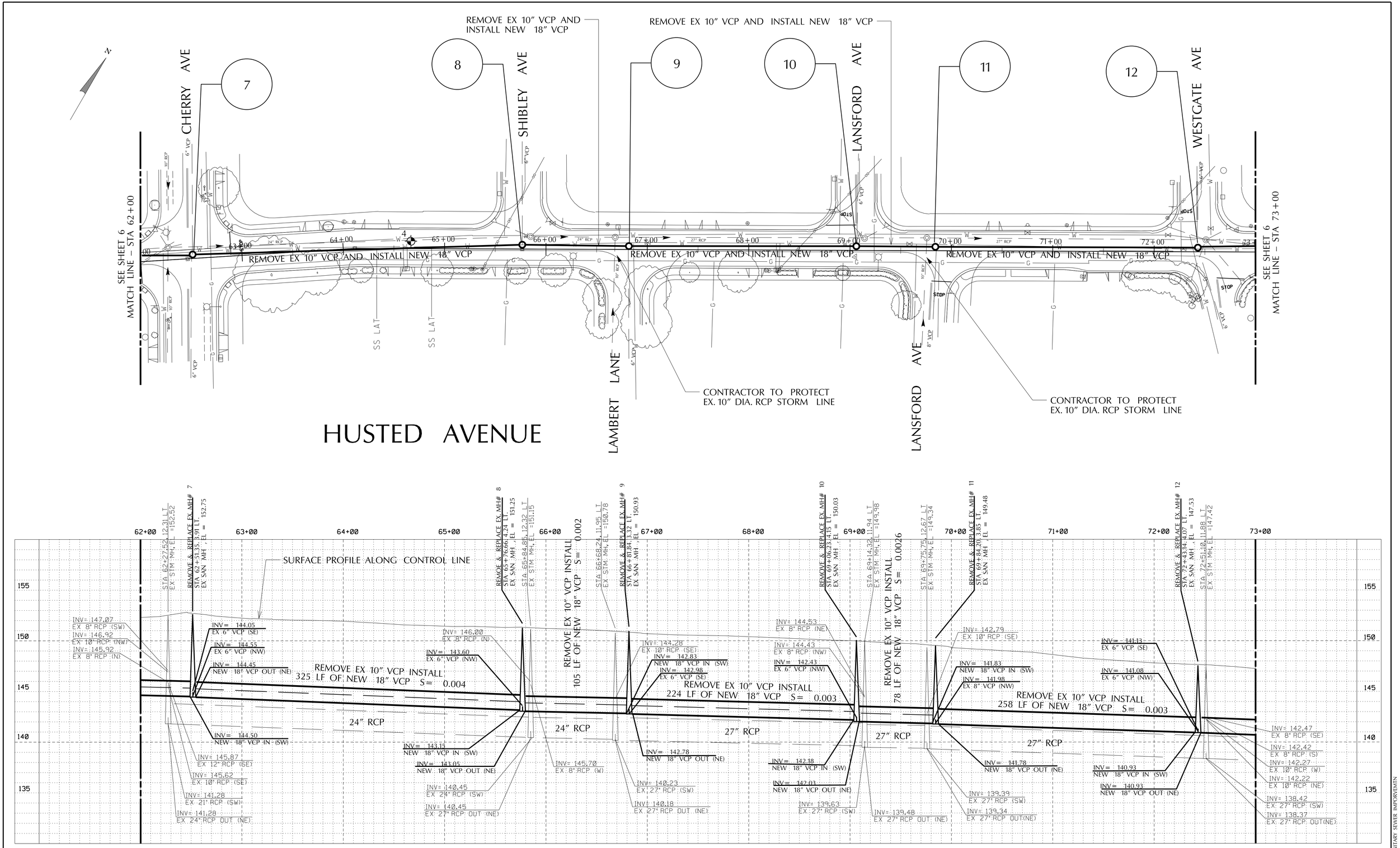
DEPARTMENT OF PUBLIC WORKS
SAN JOSE, CALIFORNIA

DRAWN BY: EVIN NGO
CHECKED BY: HELLENA CHOI
PROJ. ENGR.: JESSE ESTOLANO
DATE: OCTOBER ,20 11
SCALE: H:1" = 40' ; V:1" = 4'
SHEET NO. 4 OF 8 SHEETS

DAVID SYKES
ACTING DIRECTOR OF PUBLIC WORKS

PROJECT ID. 6447

6447 – HUSTED–RICHLAND SANITARY SEWER IMPROVEMTN



6447 – HUSTED–RICHLAND SANITARY SEWER IMPROVEMENT

PLAN & PROFILE

	REVISIONS	DATE
6		
5		
4		
3		
2		
1		

CONSTRUCTION
ELECTRICAL
MATERIALS LAB
SANITARY
STORM
SURVEY

DEVELOPMENT
DEPARTMENT OF TRANSPORTATION
MAINTENANCE
TRAFFIC OPS.

CITY OF SAN JOSE
CAPITAL OF SILICON VALLEY

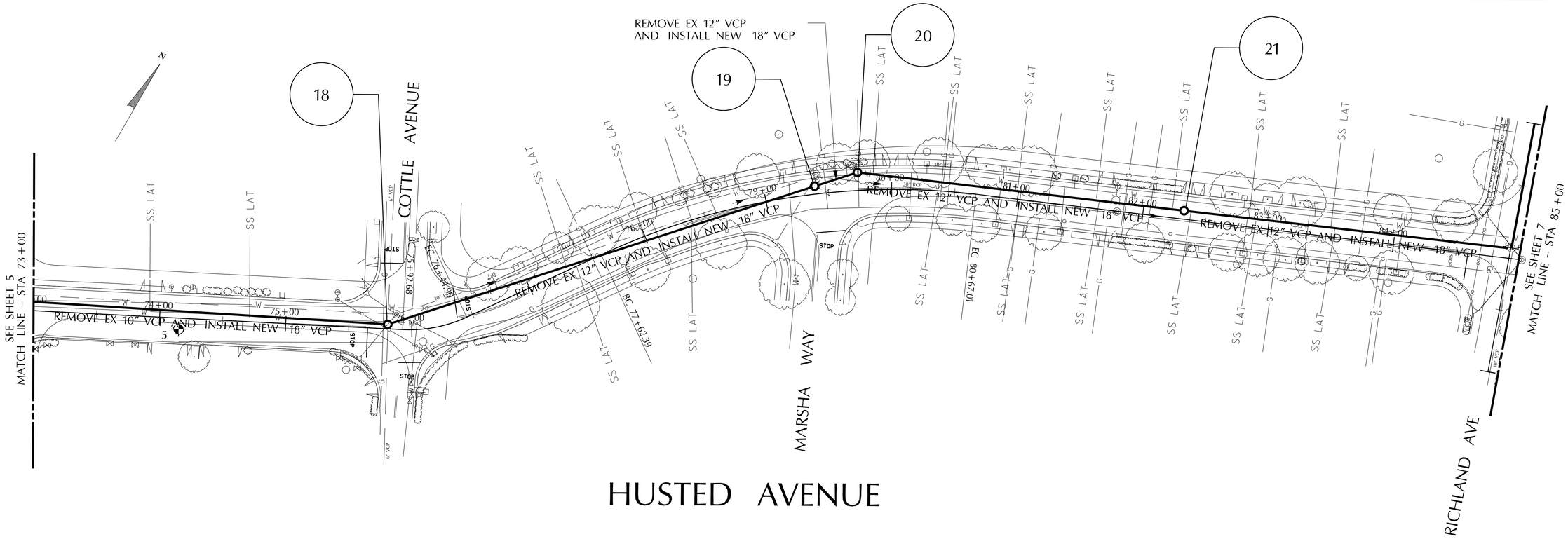
DEPARTMENT OF PUBLIC WORKS
SAN JOSE, CALIFORNIA

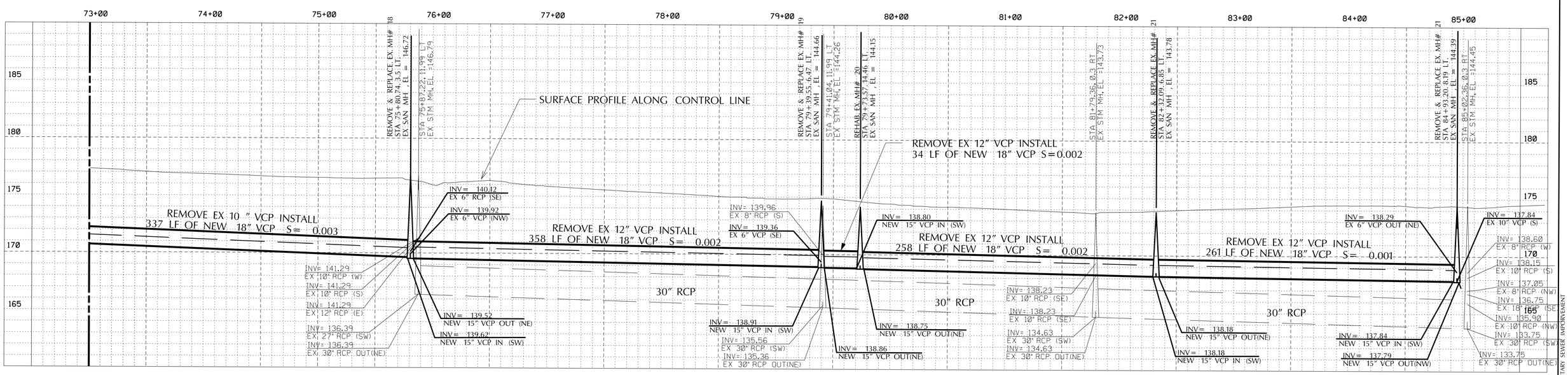
DRAWN BY: EVIN NGO
CHECKED BY: HELLANA CHOI
PROJ. ENGR.: JESSE ESTOLANO
DATE: OCTOBER, 20 11
SCALE: H:1" = 40' ; V:1" = 4'
SHEET NO. 5 OF 8 SHEETS

DAVID SYKES
DIRECTOR OF PUBLIC WORKS

PROJECT ID. 6447

6447 – HUSTED-RICHLAND SANITARY SEWER IMPROVEMENTS





6447 – HUSTED–RICHLAND SANITARY SEWER IMPROVEMENT

PLAN & PROFILE

6		
5		
4		
3		
2		
1		
	REVISIONS	DATE

CONSTRUCTION
ELECTRICAL
MATERIALS LAB
SANITARY
STORM
SURVEY

DEVELOPMENT
DEPARTMENT OF TRANSPORTATION
MAINTENANCE
TRAFFIC OPS.

CITY OF SAN JOSE
CAPITAL OF SILICON VALLEY

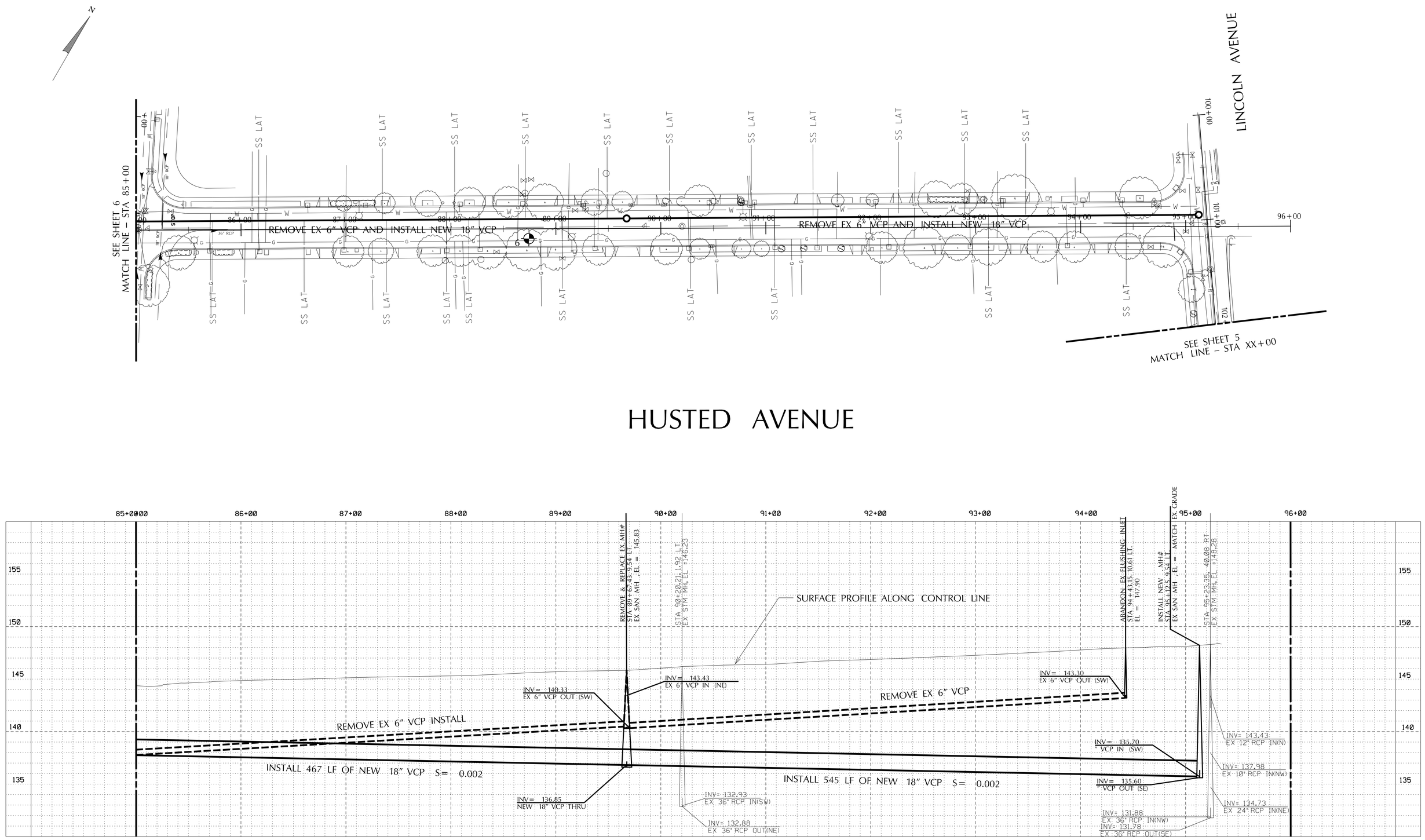
DEPARTMENT OF PUBLIC WORKS
SAN JOSE, CALIFORNIA

DRAWN BY: EVIN NGO
CHECKED BY: HELENA CHOI
PROJ. ENGR.: JESSE ESTOLANO
DATE: OCTOBER ,20 11
SCALE: H:1" = 40' ; V:1" = 4'
SHEET NO. 6 OF 8 SHEETS

DAVID SYKES
DIRECTOR OF PUBLIC WORKS

PROJECT ID. 6447

6447 – HUSTED-RICHLAND SANITARY SEWER IMPROVEMENT



6447 – HUSTED–RICHLAND SANITARY SEWER IMPROVEMENT

PLAN & PROFILE

6		
5		
4		
3		
2		
1		
	REVISIONS	DATE

CONSTRUCTION
ELECTRICAL
MATERIALS LAB
SANITARY
STORM
SURVEY

DEVELOPMENT
DEPARTMENT OF TRANSPORTATION
MAINTENANCE
TRAFFIC OPS.

CITY OF SAN JOSE
CAPITAL OF SILICON VALLEY

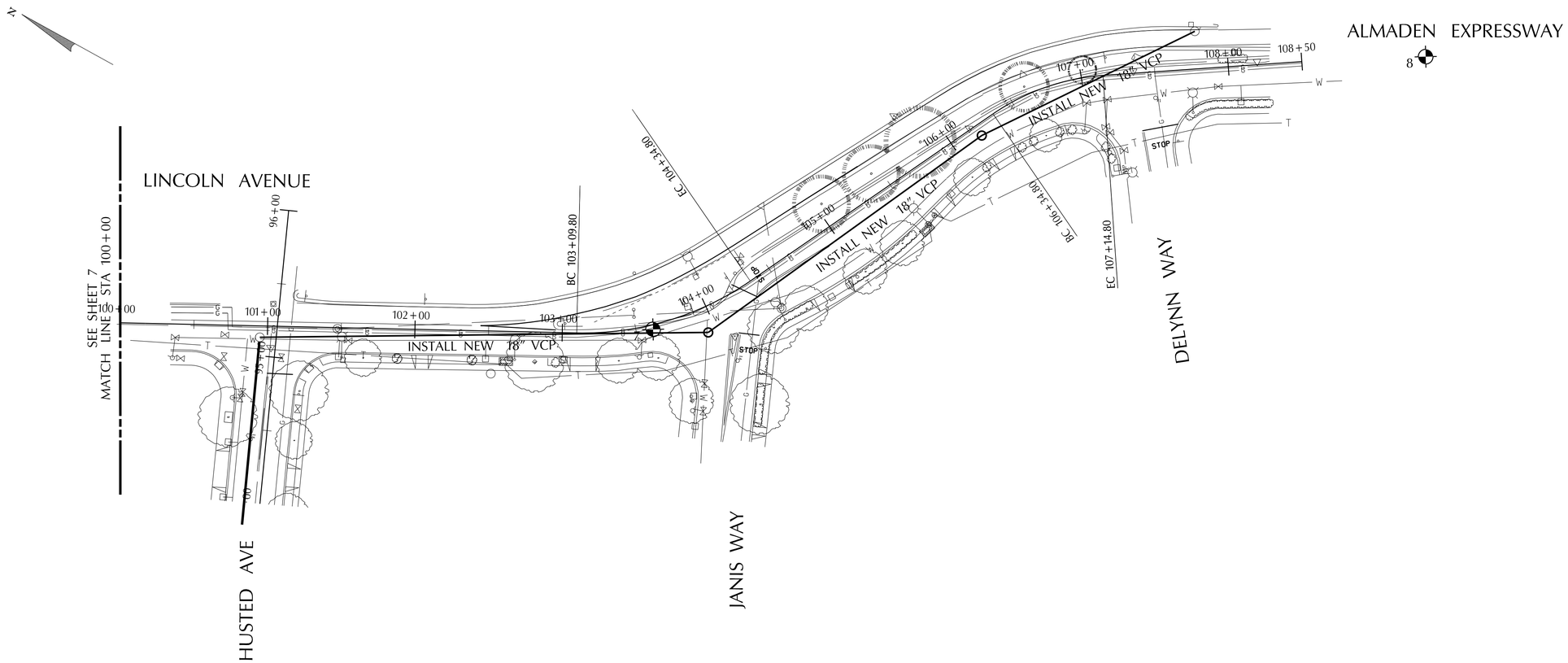
DEPARTMENT OF PUBLIC WORKS
SAN JOSE, CALIFORNIA

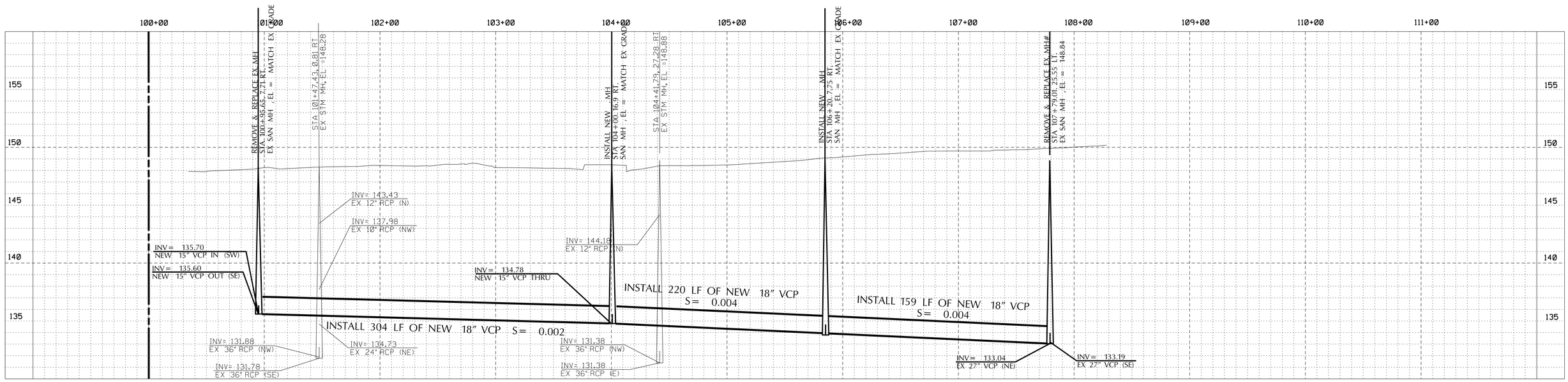
DRAWN BY: EVIN NGO
CHECKED BY: HELENA CHOI
PROJ. ENGR.: JESSE ESTOLANO
DATE: OCTOBER 20 11
SCALE: NTS H:1" = 40' ; V:1" = 4'
SHEET NO. 7 OF 8 SHEETS

DAVID SYKES
DIRECTOR OF PUBLIC WORKS

PROJECT ID. 6447

6447 – HUSTED–RICHLAND SANITARY SEWER IMPROVEMENTS





6447 – HUSTED–RICHLAND SANITARY SEWER IMPROVEMENT

PLAN & PROFILE

	REVISIONS	DATE
6		
5		
4		
3		
2		
1		

CONSTRUCTION
ELECTRICAL
MATERIALS LAB
SANITARY
STORM
SURVEY

DEVELOPMENT
DEPARTMENT OF TRANSPORTATION
MAINTENANCE
TRAFFIC OPS.

CITY OF SAN JOSE
CAPITAL OF SILICON VALLEY

DEPARTMENT OF PUBLIC WORKS
SAN JOSE, CALIFORNIA

DRAWN BY: EVIN NGO
CHECKED BY: HELLANA CHOI
PROJ. ENGR.: JESSE ESTOLANO
DATE: OCTOBER ,20 11
SCALE: NTS H:1" = 40' ; V:1" = 4'
SHEET NO. 8 OF 8 SHEETS

DAVID SYKES
DIRECTOR OF PUBLIC WORKS

PROJECT ID. 6447

6447 – HUSTED-RICHLAND SANITARY SEWER IMPROVEMENTN