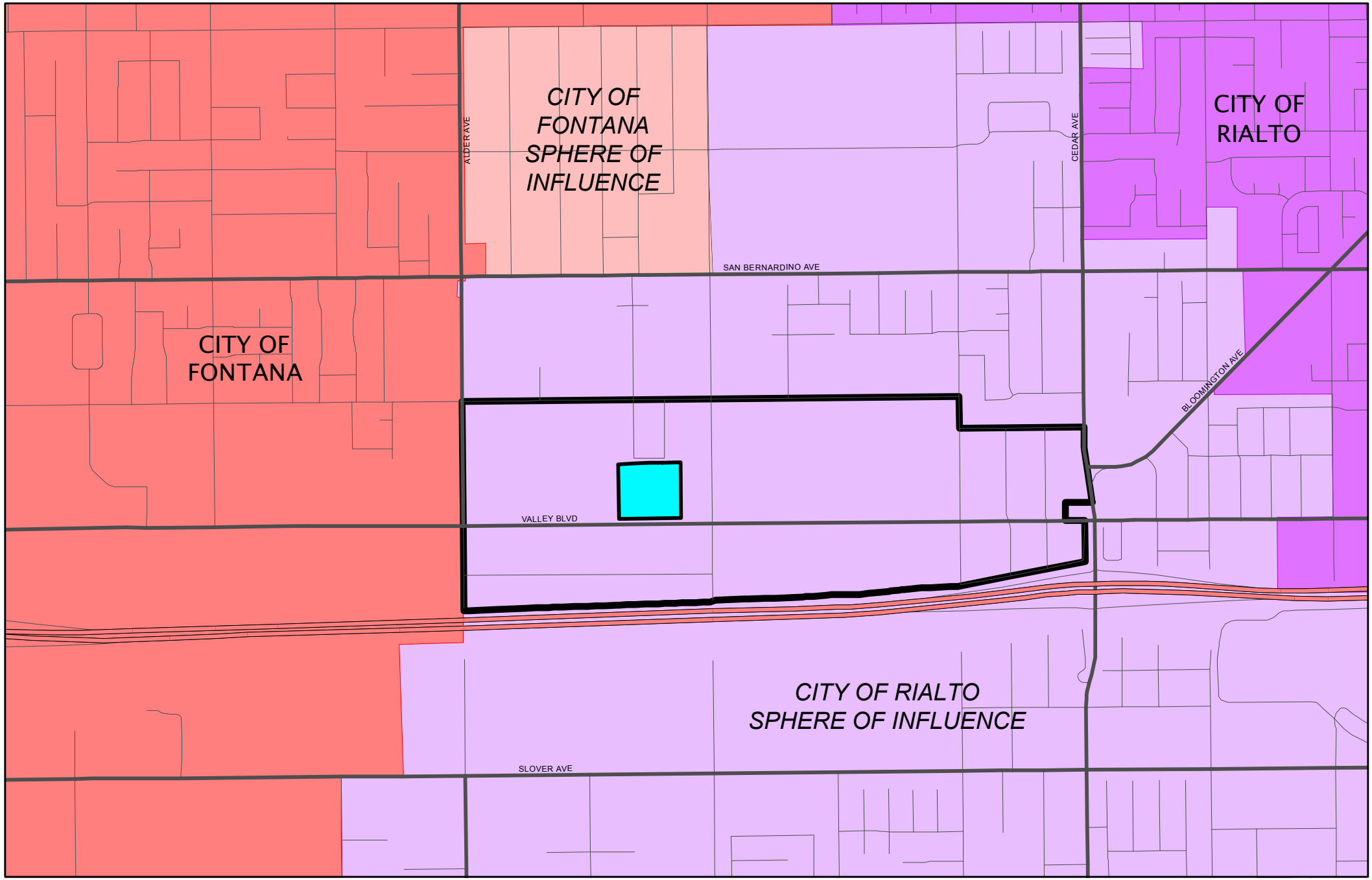
Vicinity Map and Service Area Map for County Service Area 70 Zone BL including the City of Rialto's Existing Sewer Facilities and the District's Proposed Sewer Line Extension

Attachment 2



COUNTY SERVICE AREA 70 ZONE BL

CSA 70 Zone BL
Housing Development Project Site

CITY OF RIALTO
CALIFORNIA

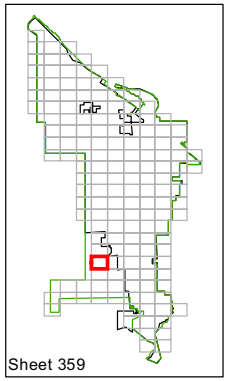
Waste Water Network

Legend

- Manholes
- Pumps
- Force_Mains
- SewerLines
- Municipal Boundary
- Sewer District Boundary

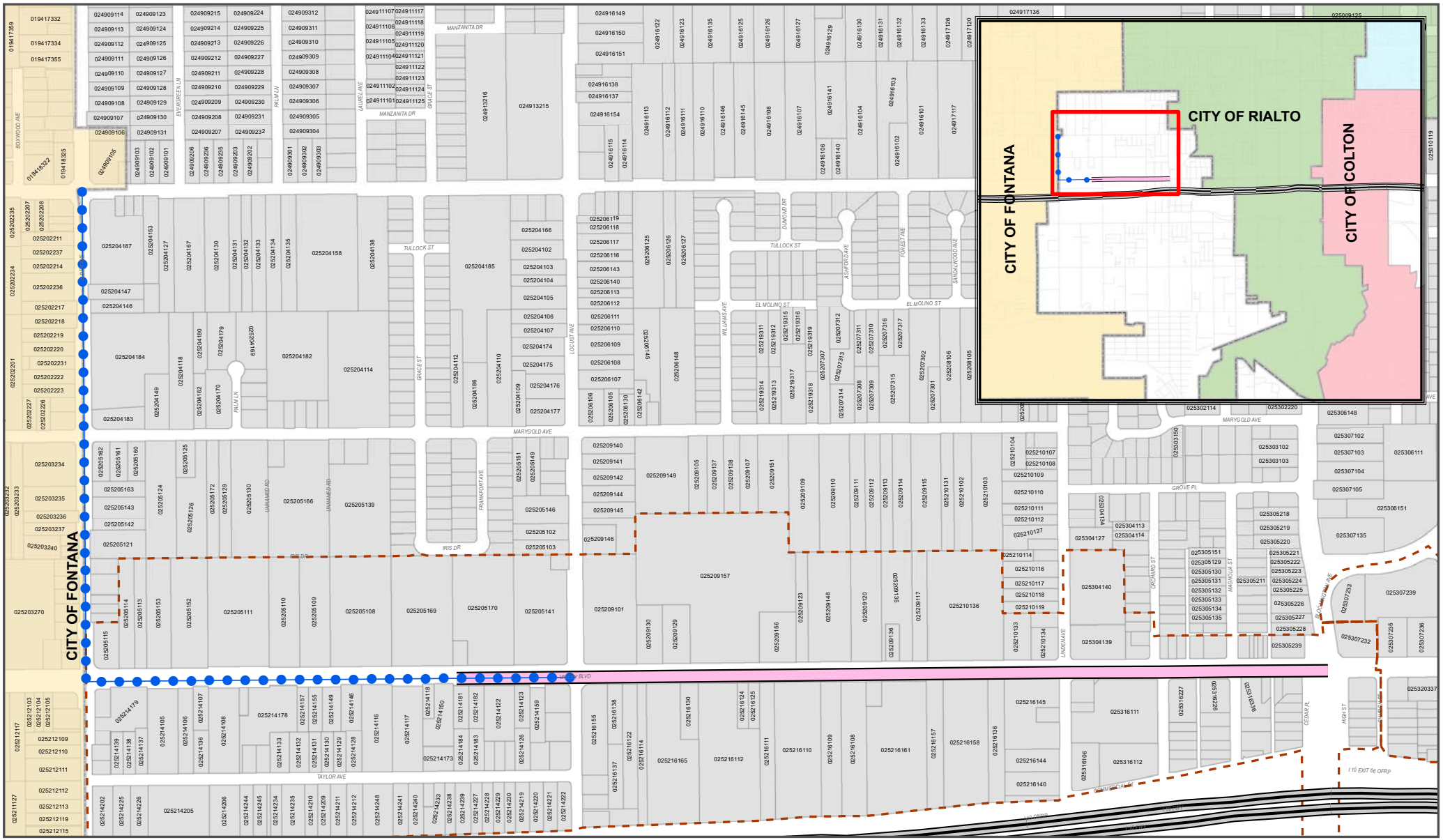
NORTH

0 100 200 Feet



BLOOMINGTON SPECIFIC PLAN

WATER AND SEWER INFRASTRUCTURE IMPROVEMENTS



Proposed Bloomington Specific Plan

Proposed Water Improvements

Proposed 18" PVC Sewer

Produced by: Alex Holsheimer, EDA
August 2, 2013

0 0.25 0.5 Miles

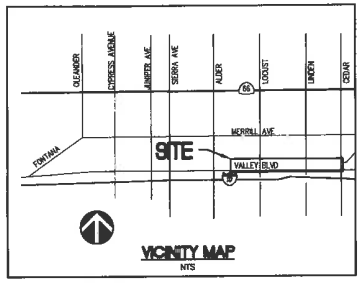
BLOOMINGTON
COUNTY OF SAN BERNARDINO, CALIFORNIA
SEWER IMPROVEMENT PLAN

SEWER GENERAL NOTES

1. ALL WORK SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (GREEN BOOK), LATEST EDITION WITH ALL SUPPLEMENTS. THE UNIFORM BUILDING CODE (LATEST EDITION), THE COUNTY OF SAN BERNARDINO SPECIAL DISTRICTS DEPARTMENT STANDARDS FOR SANITARY SEWERS, AND ANY SPECIAL REQUIREMENTS OF THE PERMIT.
2. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR THE PROTECTION OF ALL UTILITIES WITHIN THE LIMITS OF THE PROJECT.
3. ALL PAVEMENT JOIN LINES SHALL BE SAWCUT ON A NEAT, STRAIGHT LINE PARALLEL WITH THE JOIN. THE CUT EDGE SHALL BE PROTECTED FROM CRUSHING, AND ALL BROKEN EDGES SHALL BE RECUT PRIOR TO PAVING.
4. DURING THE PERIOD OF CONSTRUCTION, THE CONTRACTOR SHALL FURNISH, ERECT AND MAINTAIN SUCH WARNINGS, SIGNS, STOP SIGNS, BARRICADES, AND OTHER SAFETY MEASURES IN CONFORMANCE WITH W.A.T.C.H. MANUAL.
5. CONTRACTOR SHALL REINSTALL PAVEMENT MARKINGS, STRIPING, AND SIGNING THAT HAS BEEN DISTURBED BY HIS OPERATION.
6. SHOULD ANY OF THE EXISTING UTILITIES OR ANY OTHER FACILITIES CONFLICT WITH THE PROPOSED IMPROVEMENTS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF RECORD.
7. THE CONTRACTOR SHALL SO CONDUCT HIS OPERATIONS AS TO OFFER THE LEAST POSSIBLE OBSTRUCTION AND INCONVENIENCE TO THE PUBLIC. HE SHALL HAVE UNDER CONSTRUCTION NO GREATER LENGTH OR AMOUNT OF WORK THAN HE CAN PROSECUTE PROPERLY WITH DUE REGARD TO THE RIGHTS OF THE PUBLIC. AT THE COMPLETION OF WORK EACH DAY, ALL OPEN TRENCHES SHALL BE BACKFILLED AND HAVE SUITABLE COVER APPLIED (TEMPORARY AC OR PLATING), INCLUDING ANY TRAFFIC SIGNAGE NECESSARY, TO THE SATISFACTION OF THE SPECIAL DISTRICTS' INSPECTOR.
8. THE CONTRACTOR SHALL EXERCISE DUE CARE TO AVOID INJURY TO EXISTING IMPROVEMENTS OR FACILITIES, UTILITY FACILITIES, ADJACENT PROPERTY, TREES AND SHRUBBERY THAT ARE NOT TO BE DISTURBED.
9. DUST SHALL BE CONTROLLED AT ALL TIMES BY APPROPRIATE METHODS.
10. A REPRESENTATIVE OF THE OWNER OF THE IMPROVEMENTS SHALL BE PRESENT AT ALL PRE-CONSTRUCTION MEETINGS. INSPECTIONS SHALL BE COORDINATED AT LEAST 48 HOURS PRIOR TO CONSTRUCTION. CONTACT THE SAN BERNARDINO COUNTY OFFICE OF SPECIAL DISTRICTS.
11. THE OWNER WILL CONTRACT WITH AN APPROVED SOILS TESTING LABORATORY TO PERFORM SOILS TESTING, COMPACTION TESTING, STRUCTURAL SECTION CALCULATIONS, AND QUALITY CONTROL OF CONSTRUCTION MATERIALS.
12. THE CONTRACTOR SHALL KEEP THE SOILS ENGINEER INFORMED ON A DAILY BASIS OF HIS OPERATIONS SO THAT TESTING CAN BE DONE PER THE SPECIAL DISTRICTS DEPARTMENT STANDARD SPECIFICATIONS.
13. CONSTRUCTION STAKING SHALL BE PROVIDED BY THE DEVELOPER. ALL WORK SHALL CONFORM TO THE LINES, ELEVATIONS, AND GRADES SHOWN ON THE PLANS.
14. ALL TRENCH BACKFILLS SHALL BE PROPERLY COMPACTED, TESTED, AND APPROVED BY THE SOILS ENGINEER.
15. ALL WORK SHALL BE DONE IN CONFORMANCE WITH THE RECOMMENDATIONS OF THE SUPPLEMENTAL GEOTECHNICAL INVESTIGATION THAT HAS BEEN PREPARED FOR THIS PROJECT BY PETRA GEOTECHNICAL, INC., DATED APRIL 3, 2006.
16. APPROVAL OF THIS PLAN BY THE COUNTY DOES NOT CONSTITUTE A REPRESENTATION AS TO THE ACCURACY OF THE LOCATION OR THE EXISTENCE OR THE NONEXISTENCE OF ANY UNDERGROUND UTILITY PIPE OR STRUCTURE WITHIN THE LIMITS OF THE PROJECT.
17. SANITARY FACILITIES SHALL BE MAINTAINED BY THE CONTRACTOR ON THE SITE.
18. THE CONTRACTOR SHALL PERFORM ALL WORK NECESSARY TO COMPLETE THIS CONTRACT. UNLESS OTHERWISE PROVIDED, THE CONTRACTOR SHALL FURNISH ALL MATERIALS, EQUIPMENT, TOOLS, LABOR, AND INCIDENTALS NECESSARY TO COMPLETE THE WORK.
19. THROUGHOUT ALL PHASES OF CONSTRUCTION AND UNTIL FINAL ACCEPTANCE OF THE PROJECT, THE CONTRACTOR SHALL KEEP THE WORKSITE CLEAN AND FREE FROM RUBBISH AND DEBRIS.
20. SHOP DRAWINGS FOR ANY PORTION OF THE WORK SHALL BE PREPARED IN ACCORDANCE WITH MODERN ENGINEERING PRACTICE AT THE CONTRACTOR'S EXPENSE AND APPROVED BY THE COUNTY OF SAN BERNARDINO OFFICE OF SPECIAL DISTRICTS.
21. THE CONTRACTOR WILL SECURE ALL REQUIRED PERMITS FROM THE APPROPRIATE REGULATING AGENCIES OR GOVERNMENTS.
22. ALL REQUESTS FOR INSPECTIONS SHALL REQUIRE A MINIMUM 48-HOUR NOTIFICATION.
23. CONTRACTOR TO INSTALL MARSH McBIRNEY FLOW DARS OPEN CHANNEL FLOW METER OR APPROVED EQUIVALENT. SYSTEM SHALL HAVE ULTRASONIC READING DEVICES WITH NO PARTS ENTERING FLOW AND SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS. FLOW METER SHALL RECORD VELOCITY, DEPTH AND TIME AT INTERVALS TO BE ESTABLISHED IN THE FIELD. METER SHALL HAVE THE CAPABILITY TO TRANSMIT WIRELESS TO PROCESSING STATION. STATION SHALL HAVE SELF CONTAIN BATTERY FOR LONG TERM PERMANENT USE.

INDEX MAP
SCALE:1"=360'

SHEET 2 | SHEET 3 | SHEET 4 | SHEET 5 | SHEET 6



VICINITY MAP
NTS

INDEX OF SHEETS

1	TITLE SHEET
2-6	VALLEY BLVD SEWER PLAN AND PROFILE

SPECIAL NOTES

THE COUNTIES SIGNATURE ON THESE PLANS DOES NOT CONSTITUTE APPROVAL OF ANY OF THE FOLLOWING NOTES, AND THE COUNTY SHALL NOT BE HELD RESPONSIBLE FOR THEIR ENFORCEMENT:

1. NEITHER THE OWNER NOR THE ENGINEER WILL ENFORCE SAFETY MEASURES OR REGULATIONS. THE CONTRACTOR SHALL DESIGN, CONSTRUCT, AND MAINTAIN ALL SAFETY DEVICES, INCLUDING TRENCH SHORING AND TRAFFIC CONTROL, AND SHALL BE SOLELY RESPONSIBLE FOR CONFORMING TO ALL LOCAL, STATE, AND FEDERAL SAFETY AND HEALTH STANDARDS, LAWS, AND REGULATIONS.

2. THE CONTRACTOR SHALL ADJUST ALL EXISTING FACILITIES TO FINAL GRADE AT NO ADDITIONAL COST TO THE OWNER.

3. THE CONTRACTOR SHALL REMOVE, REPLACE, AND/OR RELOCATE ALL EXISTING FACILITIES THAT INTERFERE WITH THE WORK HEREON AT NO ADDITIONAL COST TO THE OWNER.

4. THE CONTRACTOR SHALL REMOVE, REPLACE, AND/OR RELOCATE ALL EXISTING LANDSCAPE, HARDSCAPE, IRRIGATION SYSTEMS, UTILITIES, AND/OR RELATED IMPROVEMENTS WHICH CONFLICT IN ANY WAY WITH THE INSTALLATION OR FUNCTION OF THE PROPOSED IMPROVEMENTS AT NO ADDITIONAL COST TO THE OWNER.

UNDERGROUND UTILITIES + STRUCTURES

THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITIES OR STRUCTURES SHOWN IN THESE PLANS ARE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO EXISTING UTILITIES EXCEPT THOSE SHOWN ON THESE PLANS. THE CONTRACTOR IS REQUIRED TO TAKE ALL PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES SHOWN, AND IS RESPONSIBLE FOR THE PROTECTION OF, AND ANY DAMAGE TO THESE LINES OR STRUCTURES.

"CAUTION: THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR , UNAUTHORIZED CHANGES OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARER OF THESE PLANS."

QUANTITY NOTES

THE ESTIMATES OF IMPROVEMENT QUANTITIES AS SHOWN HEREON ARE PROVIDED ONLY FOR THE PURPOSE OF SATISFYING OWNER PLAN INFORMATION REQUIREMENTS. THE CONTRACTOR SHALL PERFORM AN INDEPENDENT ESTIMATE OF EARTHWORK AND IMPROVEMENT QUANTITIES AND SHALL USE SAME AS A BASIS FOR HIS BID(S) AND CONTRACT(S).

CIVIL ENGINEERS NOTICE TO CONTRACTOR

1. THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THEIR PLANS ARE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. TO THE BEST OF MY KNOWLEDGE, THERE ARE NO EXISTING UTILITIES EXCEPT AS SHOWN ON THESE PLANS. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTION- ANY MEASURES TO PROTECT THE UTILITIES AND STRUCTURES SHOWN AND ANY OTHER LINES OR STRUCTURES NOT OF RECORD OR NOT SHOWN ON THESE PLANS, AND IS RESPONSIBLE FOR THE PROTECTION OF, AND ANY DAMAGE TO, THESE LINES OR STRUCTURES.

2. THE CONTRACTOR AGREES THAT HE WILL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.

3. THE ESTIMATES OF IMPROVEMENT QUANTITIES AS SHOWN HEREON ARE PROVIDED ONLY FOR THE PURPOSE OF SATISFYING DISTRICT PLAN INFORMATION REQUIREMENTS. THE CONTRACTOR SHALL PERFORM AN INDEPENDENT ESTIMATE OF ALL IMPROVEMENT QUANTITIES AND SHALL USE SAME AS A BASIS FOR HIS BID(S) AND CONTRACT(S)

4. CONTRACTOR TO VERIFY CLEARANCE AT ALL UTILITY CROSSINGS. IF INTERFERENCE OCCURS, OTHER THAN NOTED ON PLAN, CONTRACTOR TO CONTACT DESIGN ENGINEER FOR POSSIBLE REDESIGN. IF REDESIGN IS UNFEASIBLE, CONTRACTOR TO RELOCATE UTILITY AT NO EXPENSE TO ENGINEER.

LEGEND

AB	AGGREGATE BASE	N'LY	NORTHERLY
AC	ASPHALTIC CONCRETE	N	NORTH
BC	BEGIN CURVE	NTS	NOT TO SCALE
BCR	BEGIN CURB RETURN	OC	ON CENTER
℄	CENTER LINE	OD	OUTSIDE DIAMETER
CB	CATCH BASIN	PCC	PORTLAND CEMENT CONCRETE
CSP	CORRUGATED STEEL PIPE	R	RADIUS
DW	DOMESTIC WATER	RCP	REINFORCED CONCRETE PIPE
EA	EACH	RT	RIGHT
EC	END CURVE	RW	RECLAIMED WATER
ECR	END CURB RETURN	R/W	RIGHT OF WAY
E'LY	EASTERLY	S	SOUTH
EX	EXISTING	SD	STORM DRAIN
FG	FINISHED GRADE	SF	SQUARE FEET
FL	FLOW LINE	S'LY	SOUTHERLY
FNC	TOP OF FENCE	SS	SANITARY SEWER
FS	FINISHED SURFACE	STA	STATION
FW	FIRE WATER	STD	STANDARD
HP	HIGH POINT	TC	TOP OF CURB
ID	INSIDE DIAMETER	TF	TOP OF FOOTING
INV	INVERT	TG	TOP OF GRATE
JS	JUNCTION STRUCTURE	TRW	TOP OF RET. WALL
LT	LEFT	TS	TOP OF SLOPE
MIN	MINIMUM	TYP	TYPICAL
MISC	MISCELLANEOUS	W/	WEST/WITH
MH	MANHOLE	W	WITH
		W'LY	WESTERLY

UTILITY PURVEYORS

ELECTRICITY:
SOUTHERN CALIFORNIA EDISON CO.
DISTRIBUTION PLANNING
7951 REDWOOD AVENUE
FONTANA, CA 92335
PHONE: (909) 357-5221
CONTACT: JOHN RUSSELL

GAS:
SOUTHERN CALIFORNIA GAS CO.
DISTRIBUTION PLANNING
16231 VALLEY BOULEVARD
FONTANA CA, 92335
PHONE: (909) 428-8411
CONTACT: GREG GASPER

WATER:
FONTANA WATER COMPANY
15966 ARROW BLVD
FONTANA CA, 92335
PHONE: (909) 428-8746

SEWER:
COUNTY SERVICE AREA 70, ZONE BL
157 W FIFTH STREET
SAN BERNARDINO CA, 92415
PHONE: (909) 387-5940

ADELPHIA COMMUNICATIONS:
1260 DUPONT STREET
ONTARIO, CA 91761
PHONE: (909) 390-4738
CONTACT: LEWIS MCDONALD

MARKS CABLEVISION:
FIBER-OPTICS/ TRUNK LINK THROUGH PROJECT
4240 HALLMARK PARKWAY
SAN BERNARDINO, CA 92407
PHONE: (909) 880-0220
CONTACT: JOE DEARMAN

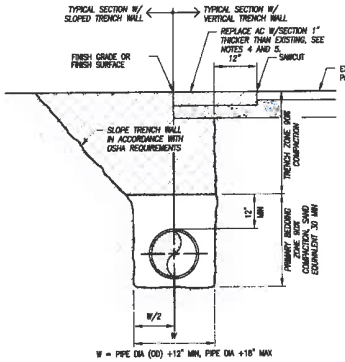
VERIZON CALIFORNIA, INC.:
13911 PARK AVENUE
SUITE 200
VICTORVILLE, CA 92392-2407
PHONE: (760) 245-0846
CONTACT: NAN ROBIDOUX

WILTEL, INC.:
FIBER-OPTIC TELECOMMUNICATIONS
LAS VEGAS, NEVADA TO LOS ANGELES, CA
UPLAND, CA 91786
P.O. BOX 21348, MD 26-3
TULSA, OK 74121

PHONE: (918) 588-3387
PHONE: (909) 947-8441 (LOCAL CONTACT)
LOCAL CONTACT: JERRY KENNEDY

SEWER IMPROVEMENT NOTES

		QUANTITY ESTIMATES	
1	CONSTRUCT PRECAST MANHOLE PER COUNTY OF SAN BERNARDINO SPECIAL DISTRICTS STANDARD DRAWING NO. E-3 AND E-5.	7	EA
2	REMOVE EXISTING 18" STUB IN EXISTING MANHOLE.	1	EA
3	INSTALL 18" PS-46 SEWER MAIN TO THE GRADES SHOWN AND PER SAN BERNARDINO SPECIAL DISTRICTS DRAWING NO. E-16. REPLACEMENT PAVEMENT PER COUNTY DEPARTMENT OF PUBLIC WORKS TRENCHING SPECIFICATION.	5149	LF
4	REMOVE EXISTING MANHOLE CHANELIZATION AND RECONSTRUCT PER SAN BERNARDINO SPECIAL DISTRICTS DRAWING NO. E-2.	1	EA
5	INSTALL 8" SDR-35 SEWER MAIN TO THE GRADES SHOWN AND PER SAN BERNARDINO SPECIAL DISTRICTS DRAWING NO. E-16. REPLACEMENT PAVEMENT PER COUNTY DEPARTMENT OF PUBLIC WORKS TRENCHING SPECIFICATION.	43	LF
6	INSTALL SEWER MAIN END OF LINE CLEAN OUT PER SAN BERNARDINO SPECIAL DISTRICTS DRAWING NO. E-14.	1	EA
7	INSTALL 12" PS-46 SEWER MAIN STUB, LENGTH AS SHOWN INSTALLED AT 1.5% TO THE NORTH AND 0.5% TO THE SOUTH AS SHOWN, INSTALL MORTAR PLUG.	348	LF
8	CONSTRUCT 60" DIAMETER PRECAST MANHOLE PER COUNTY OF SAN BERNARDINO SPECIAL DISTRICTS STANDARD DRAWING NO. E-2 AND E-5.	13	EA



W = PIPE DIA (OD) +12" MIN, PIPE DIA +18" MAX

NOTE:
1. ALL TRENCHING & CONSTRUCTION OPERATIONS SHALL COMPLY WITH OSHA REQUIREMENTS.
3. REMOVE AND REPLACE EXIST SURFACE MATERIAL TO THE SATISFACTION OF THE OWNER. COMPLY WITH LOCAL JURISDICTION FOR PAVEMENT REPAIR.
3. SLOPING TRENCH WALL SECTION SUBJECT TO CITIES APPROVAL.
4. IN ADDITION TO MAINLINE PAVEMENT TRENCH REPLACEMENT, PAVEMENT WITHIN TRAVEL LANE ABOVE PROPOSED SEWER LINE SHALL BE GROUND 2" IN THICKNESS AND REPLACED PER COUNTY STANDARDS.
5. LATERAL LINES PROPOSED SHALL REPLACED WITH COUNTY STANDARD "T" CUT REPLACEMENT

TYPICAL UTILITY TRENCH SECTION
NTS

DIGALERT
DIAL BEFORE YOU DIG — 1-800-422-4133 — 2 FULL WORKING DAYS BEFORE YOU DIG
"DIAL BEFORE YOU DIG"
A PUBLIC SERVICE BY UNDERGROUND SERVICE ALERT

SEAL: VINCENT W. SOMPRAI, No. 33020, Exp. 6/30/2014, CIVIL, STATE OF CALIFORNIA

BENCH MARK:
FOUND 2" BRASS DISC ON SOUTH HEADWALL WEST OF CITRUS AND SOUTHERLY OR RAIL ROAD RIGHT OF WAY
BM#2234
(BS DATUM) ELEVATION 1117.91

PLANS PREPARED UNDER THE SUPERVISION OF
C&V CONSULTING, INC.
CIVIL ENGINEERING
LAND PLANNING & SURVEYING
27705 BROADWAY
MORENO VALLEY, CA 92550
T. 951.242.2550
F. 951.242.2552
CVCONC.NET
VINCENT SOMPRAI RCE. No. 33020 (EXP 6/30/14) — 11-27-13 DATE

MARK	DESCRIPTION	APPR	DATE

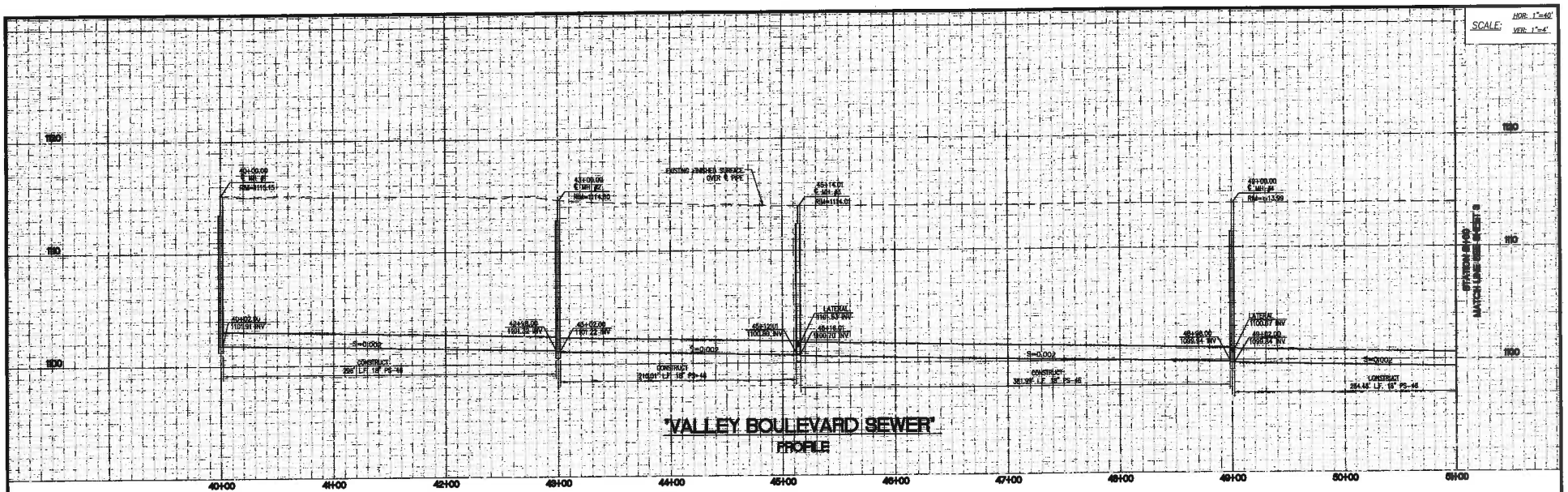
COUNTY OF SAN BERNARDINO
CSA 70 BL
SPECIAL DISTRICTS DEPARTMENT

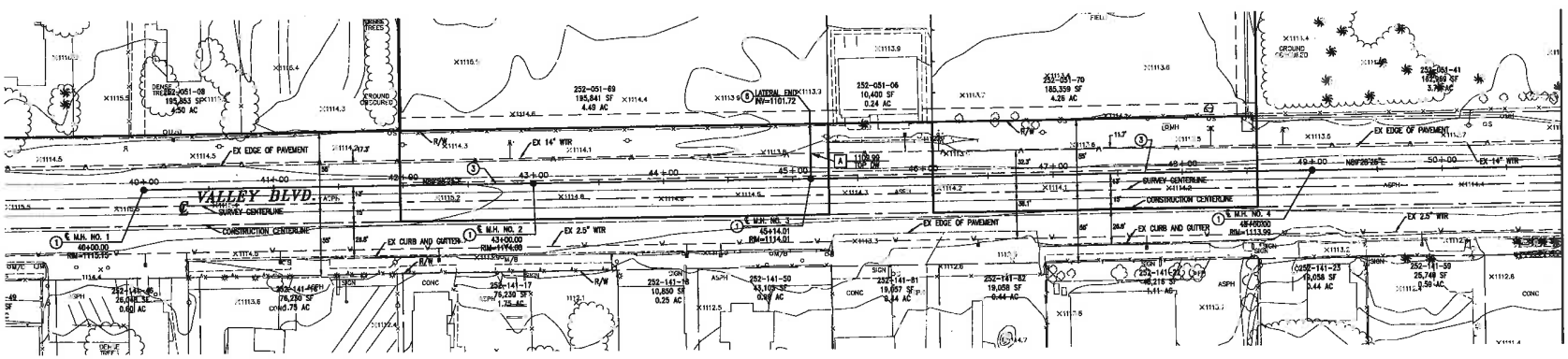
DESIGNED BY: DSK | DRAWN BY: DSK | CHECKED BY: VS | APPROVED BY: 12/11/13 DATE
SUBMITTED BY _____ C.D.E.
RECOMMENDED APPROVED BY:
LAND DEVELOPMENT ENGINEER DATE | SPECIAL DISTRICTS DEPARTMENT DISTRICT ENGINEER 12/12/2013 DATE

SEWER IMPROVEMENT PLAN

VALLEY BLVD
SEWER IMPROVEMENT PLAN
TITLE SHEET

WORD ORDER No.
ROAD No.
FILE No.
SHEET 1 OF 6





SEWER IMPROVEMENT NOTES

1. CONSTRUCT PRECAST MANHOLE PER COUNTY OF SAN BERNARDINO SPECIAL DISTRICTS STANDARD DRAWING NO. E-2 AND E-5.
2. REMOVE EXISTING 13" STUB IN EXISTING MANHOLE.
3. INSTALL 18" PS-46 SEWER MAIN TO THE GRADES SHOWN AND PER SAN BERNARDINO . SPECIAL DISTRICTS DRAWING NO. E-18. REPLACEMENT PAVEMENT PER COUNTY DEPARTMENT OF PUBLIC WORKS TRENCHING SPECIFICATION.
4. REMOVE EXISTING MANHOLE CHANELIZATION AND RECONSTRUCT PER SAN BERNARDINO SPECIAL DISTRICTS DRAWING NO. E-2.
5. INSTALL 8" SDR-35 SEWER MAIN TO THE GRADES SHOWN AND PER SAN BERNARDINO . SPECIAL DISTRICTS DRAWING NO. E-18. REPLACEMENT PAVEMENT PER COUNTY DEPARTMENT OF PUBLIC WORKS TRENCHING SPECIFICATION.
6. INSTALL SEWER MAIN END OF LINE CLEAN OUT PER SAN BERNARDINO SPECIAL DISTRICTS DRAWING NO. E-14.
7. INSTALL 12" PS-46 SEWER MAIN STUB, LENGTH AS SHOWN INSTALLED AT 1.5% TO THE NORTH AND 0.5% TO THE SOUTH AS SHOWN. INSTALL MORTAR PLUG.
8. CONSTRUCT 60" DIAMETER PRECAST MANHOLE PER COUNTY OF SAN BERNARDINO SPECIAL DISTRICTS STANDARD DRAWING NO. E-2 AND E-5.

POTHOLE NOTES

A. EXISTING UTILITY, POT HOLE TO CONFIRM LOCATION AND ELEVATION PRIOR TO CONSTRUCTION

SCALE: 1" = 40'
0 20 40 80

DIGALERT
DIAL BEFORE YOU DIG — TWO WORKING DAYS BEFORE YOU DIG
TOLL FREE 1-800-422-4133
A PUBLIC SERVICE BY UNDERGROUND SERVICE ALERT

SEAL: REGISTERED PROFESSIONAL ENGINEER — VINCENT W. SCARPATI — Exp. 6/30/2014 — CIVIL — STATE OF CALIFORNIA

BENCH MARK:

PLANS PREPARED UNDER THE SUPERVISION OF
C&V CONSULTING, INC.
CIVIL ENGINEERING
LAND PLANNING & SURVEYING
27184 MARBANK
FOOTHILL RANCH, CA 92610
T. 949.916.3800
F. 949.916.3806
CVCINC.NET
VINCENT SCARPATI RCE No. 33520 (EXP 6/30/14) — 10-25-13 DATE

MARK	DESCRIPTION	APPR	DATE

COUNTY OF SAN BERNARDINO
CSA 70 BL
SPECIAL DISTRICTS DEPARTMENT

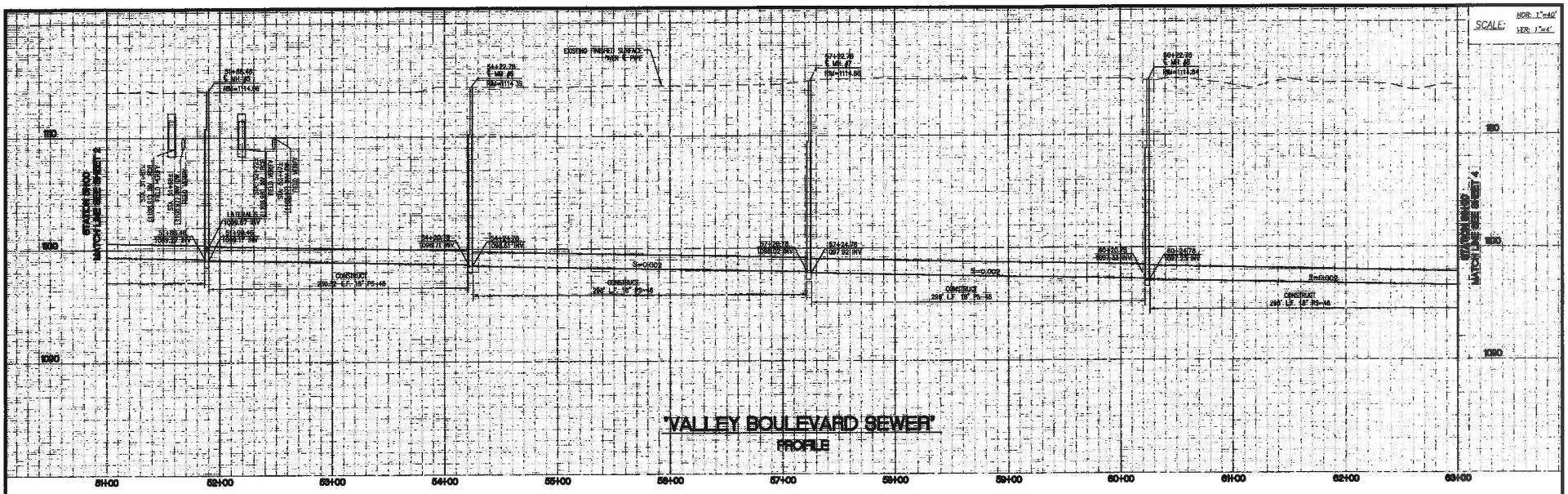
DESIGNED BY	DRAWN BY:	CHECKED BY:
DSK	DSK	VS

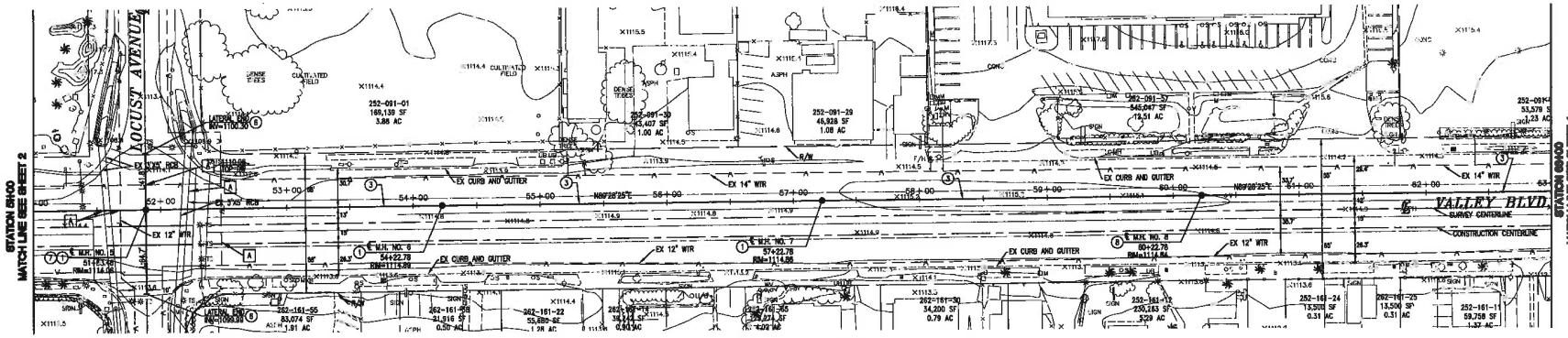
SUBMITTED BY _____ C.D.E.
RECOMMENDED APPROVED BY:
LAND DEVELOPMENT ENGINEER — DATE
APPROVED BY: SPECIAL DISTRICTS DEPARTMENT — DATE 4/16/13
DISTRICT ENGINEER — DATE 4/24/2013

SEWER IMPROVEMENT PLAN

VALLEY BLVD
SEWER IMROVEMENT PLAN

WORD ORDER No.
ROAD No.
FILE No.
SHEET 2 OF 6





SEWER IMPROVEMENT NOTES

1. CONSTRUCT PRECAST MANHOLE PER COUNTY OF SAN BERNARDINO SPECIAL DISTRICTS STANDARD DRAWING NO. E-2 AND E-5.
2. REMOVE EXISTING 15" STUB IN EXISTING MANHOLE.
3. INSTALL 18" PS-46 SEWER MAIN TO THE GRADES SHOWN AND PER SAN BERNARDINO SPECIAL DISTRICTS DRAWING NO. E-18. REPLACEMENT PAVEMENT PER COUNTY DEPARTMENT OF PUBLIC WORKS TRENCHING SPECIFICATION.
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0 20 40 80

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TOLL FREE 1-800-422-4133
A PUBLIC SERVICE BY UNDERGROUND SERVICE ALERT

SEAL: REGISTERED PROFESSIONAL ENGINEER VINCENT W. SCARPATI No. 33820 Exp. 6/30/2014 CIVIL STATE OF CALIFORNIA

BENCH MARK:

PLANS PREPARED UNDER THE SUPERVISION OF
C&V CONSULTING, INC.
CIVIL ENGINEERING
LAND PLANNING & SURVEYING
27150 BURBANK
FOOTHILL RANCH, CA 92610
T. 949.916.2800
F. 949.916.2805
CVCINC.NET
VINCENT SCARPATI RCE No. 33820 (Exp 6/30/14) 10-22-13 DATE

MARK	DESCRIPTION	APPR	DATE

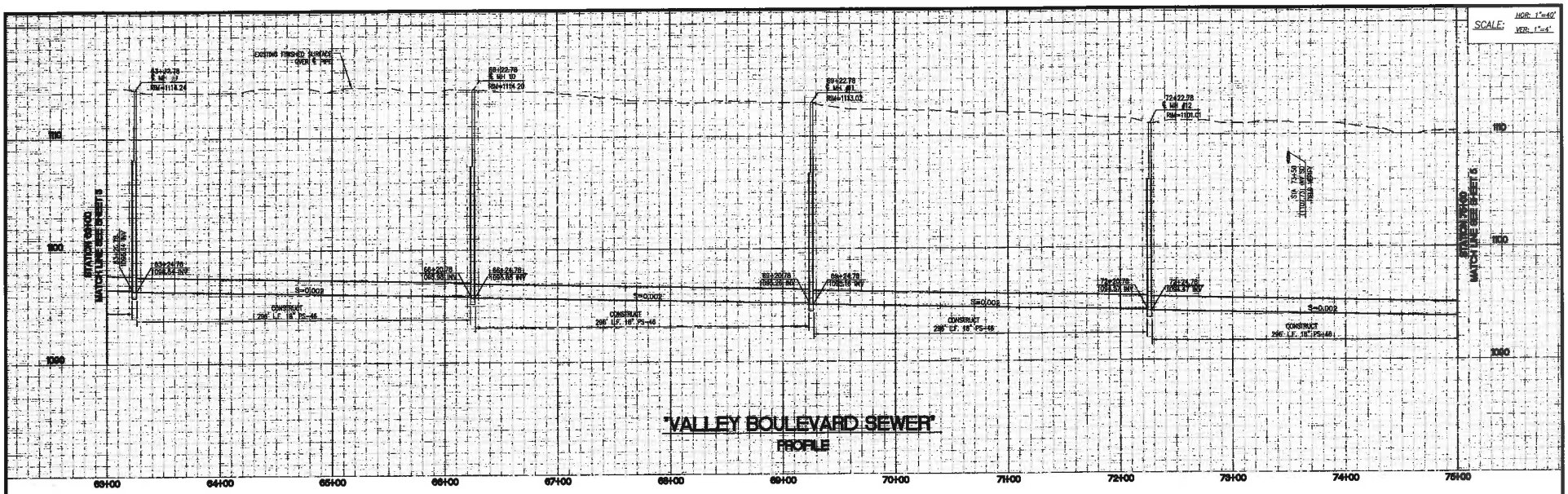
COUNTY OF SAN BERNARDINO
CSA 70 BL
SPECIAL DISTRICTS DEPARTMENT

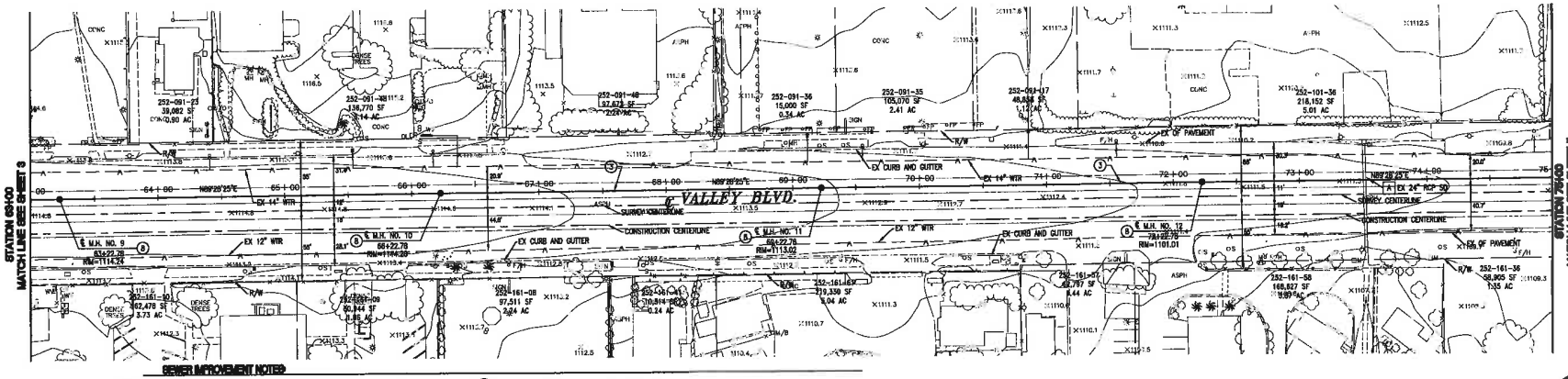
DESIGNED BY: DSK | DRAWN BY: DSK | CHECKED BY: VS | APPROVED BY: 11/6/13 DATE
SUBMITTED BY _____ C.D.E.
RECOMMENDED APPROVED BY:
LAND DEVELOPMENT ENGINEER DATE | DISTRICT ENGINEER 11/7/2013 DATE
SPECIAL DISTRICTS DEPARTMENT

SEWER IMPROVEMENT PLAN

VALLEY BLVD
SEWER IMROVEMENT PLAN

WORD ORDER No.
ROAD No.
FILE No.
SHEET 3 OF 6





SEWER IMPROVEMENT NOTES

1. CONSTRUCT PRECAST MANHOLE PER COUNTY OF SAN BERNARDINO SPECIAL DISTRICTS STANDARD DRAWING NO. E-2 AND E-5.
2. REMOVE EXISTING 15" STUB IN EXISTING MANHOLE.
3. INSTALL 18" PS-46 SEWER MAIN TO THE GRADES SHOWN AND PER SAN BERNARDINO . SPECIAL DISTRICTS DRAWING NO. E-18. REPLACEMENT PAVEMENT PER COUNTY DEPARTMENT OF PUBLIC WORKS TRENCHING SPECIFICATION.
4. REMOVE EXISTING MANHOLE CHANELIZATION AND RECONSTRUCT PER SAN BERNARDINO SPECIAL DISTRICTS DRAWING NO. E-2.
5. INSTALL 8" SDR-35 SEWER MAIN TO THE GRADES SHOWN AND PER SAN BERNARDINO . SPECIAL DISTRICTS DRAWING NO. E-18. REPLACEMENT PAVEMENT PER COUNTY DEPARTMENT OF PUBLIC WORKS TRENCHING SPECIFICATION.
6. INSTALL SEWER MAIN END OF LINE CLEAN OUT PER SAN BERNARDINO SPECIAL DISTRICTS DRAWING NO. E-14.
7. INSTALL 12" PS-46 SEWER MAIN STUB, LENGTH AS SHOWN INSTALLED AT 1.5% TO THE NORTH AND 0.5% TO THE SOUTH AS SHOWN. INSTALL MORTAR PLUG.
8. CONSTRUCT 60" DIAMETER PRECAST MANHOLE PER COUNTY OF SAN BERNARDINO SPECIAL DISTRICTS STANDARD DRAWING NO. E-2 AND E-5.

POTHOLE NOTES

A. EXISTING UTILITY, POT HOLE TO CONFIRM. LOCATION AND ELEVATION PRIOR TO CONSTRUCTION

DIGALERT
DIAL BEFORE YOU DIG — TWO WORKING DAYS BEFORE YOU DIG — 1-800-422-4133
A PUBLIC SERVICE BY UNDERGROUND SERVICE ALERT

SEAL: REGISTERED PROFESSIONAL ENGINEER — VINCENT W. SCARPITI — No. 33520 — Exp. 6/30/2014 — CIVIL — STATE OF CALIFORNIA

BENCH MARK:

PLANS PREPARED UNDER THE SUPERVISION OF
C&V CONSULTING, INC.
CIVIL ENGINEERING
LAND PLANNING & SURVEYING
27109 BURBANK
FOOTHILL RANCH, CA 92610
T. 949.916.2800
F. 949.916.2808
CVCINC.NET
VINCENT SCARPITI RCE No. 33520 (EXP 6/30/14) — 10-25-13 DATE

MARK	DESCRIPTION	APPR	DATE

COUNTY OF SAN BERNARDINO
CSA 70 BL
SPECIAL DISTRICTS DEPARTMENT

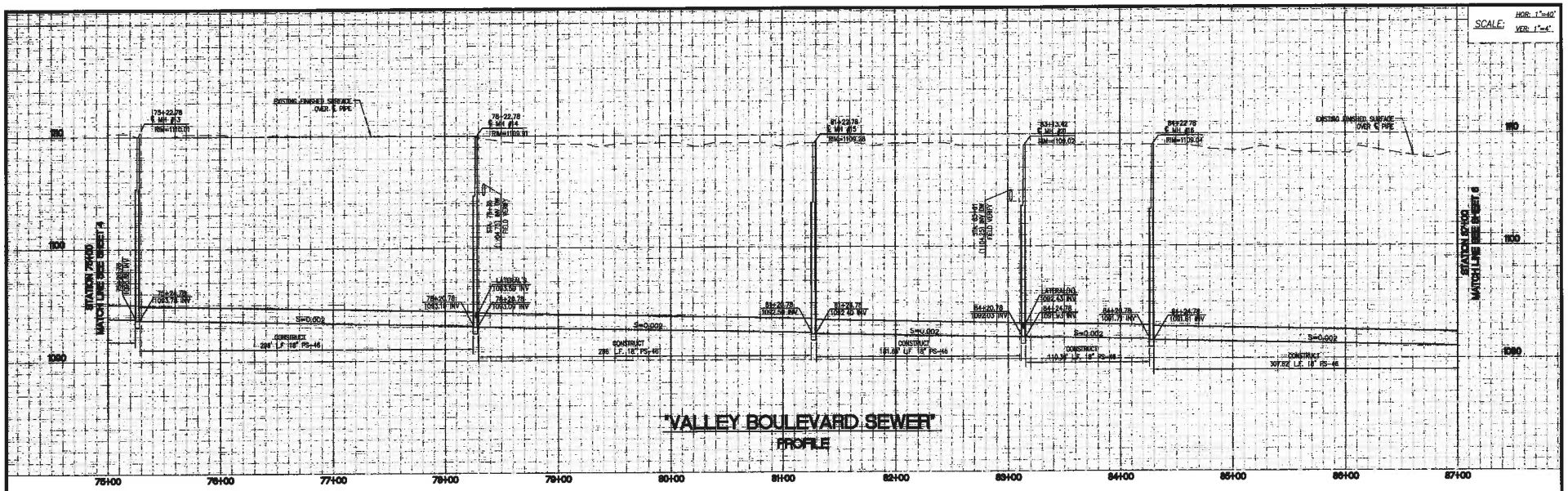
DESIGNED BY	DRAWN BY:	CHECKED BY:	APPROVED BY:
DSK	DSK	VS	

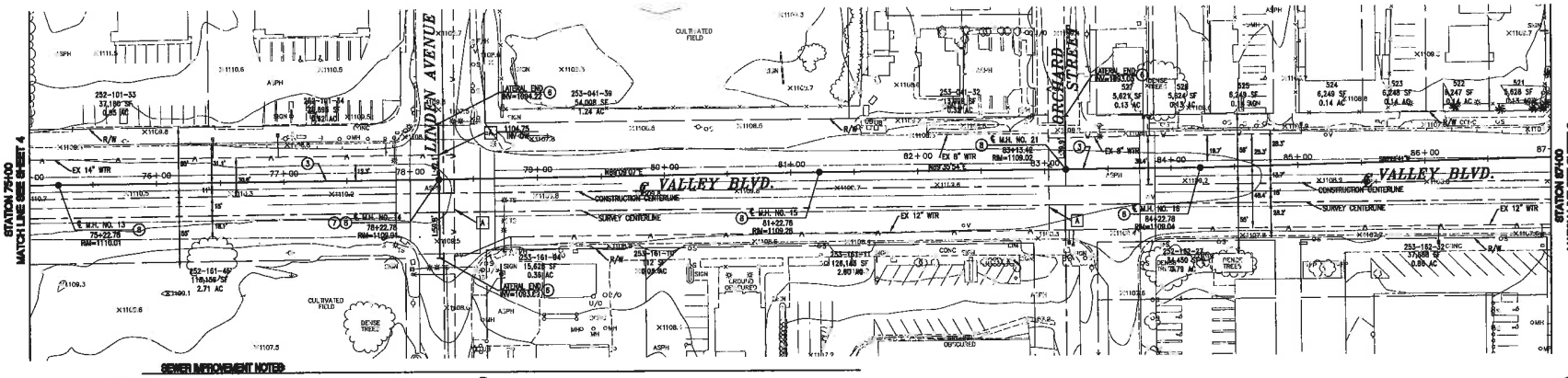
SUBMITTED BY _____ C.D.E.
RECOMMENDED APPROVED BY:
LAND DEVELOPMENT ENGINEER — DATE
SPECIAL DISTRICTS DEPARTMENT — 11/6/13 DATE
DISTRICT ENGINEER — 11/25/2013 DATE

SEWER IMPROVEMENT PLAN

VALLEY BLVD
SEWER IMROVEMENT PLAN

WORK ORDER No.
ROAD No.
FILE No.
SHEET 4 OF 8





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POTHOLE NOTES

A. EXISTING UTILITY, POT HOLE TO CONFIRM LOCATION AND ELEVATION PRIOR TO CONSTRUCTION

SCALE: 1" = 40'
0 20 40 80

DIGALERT — DIAL BEFORE YOU DIG — TWO WORKING DAYS BEFORE YOU DIG — TOLL FREE 1-800-422-4133 — A PUBLIC SERVICE BY UNDERGROUND SERVICE ALERT

SEAL: REGISTERED PROFESSIONAL ENGINEER — VINCENT M. SCARPATI — No. 33520 — Exp. 6/30/2014 — CIVIL — STATE OF CALIFORNIA

BENCH MARK:

PLANS PREPARED UNDER THE SUPERVISION OF
C&V CONSULTING, INC. CIVIL ENGINEERING AND PLANNING & SURVEYING
27150 BURBANK
FOOTHILL RANCH, CA 92610
T. 949.916.2300
F. 949.916.2305
CVCINC.NET
Vincent Scarpati 11-21-13
VINCENT SCARPATI RCE No. 33520 (EXP 6/30/14) DATE

MARK	DESCRIPTION	APPR	DATE

COUNTY OF SAN BERNARDINO
CSA 70 BL
SPECIAL DISTRICTS DEPARTMENT

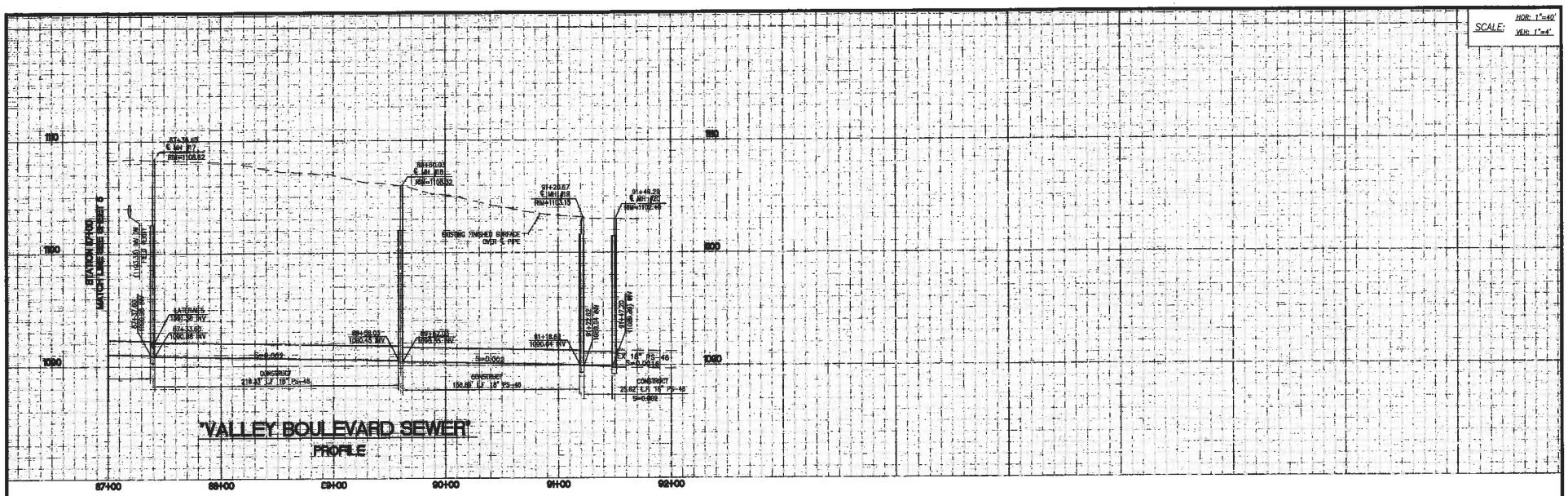
DESIGNED BY: DSK	DRAWN BY: DSK	CHECKED BY: VS	APPROVED BY:

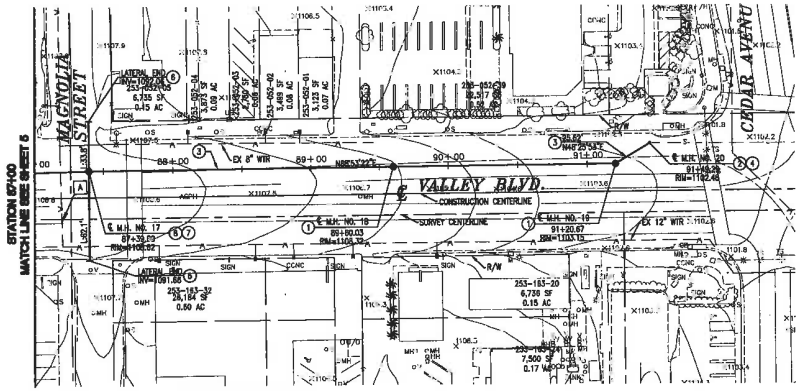
SUBMITTED BY _____ C.D.E.
RECOMMENDED APPROVED BY:
LAND DEVELOPMENT ENGINEER DATE
SPECIAL DISTRICTS DEPARTMENT 11/25/2013 DATE
James O. Clavert 11/25/13
DISTRICT ENGINEER DATE

SEWER IMPROVEMENT PLAN

VALLEY BLVD
SEWER IMROVEMENT PLAN

WORK ORDER No.
ROAD No.
FILE No.
SHEET 5 OF 6


SCALE: HOR: 1"=40' VER: 1"=4'
"VALLEY BOULEVARD SEWER"
PROFILE
STATION 87+00
MATCH LINE SEE SHEET 5
EXISTING FINISHED SURFACE OVER ℄ PIPE
CONSTRUCT 219.37' LF 18" PS-46
CONSTRUCT 150.46' LF 18" PS-46
CONSTRUCT 25.62' LF 18" PS-46
EX 18" PS-46
87+00
88+00
89+00
90+00
91+00
92+00


MAGNOLIA STREET
CEDAR AVENUE
STATION 87+00
MATCH LINE SEE SHEET 5
℄ VALLEY BLVD.
CONSTRUCTION CENTERLINE
SURVEY CENTERLINE
EX 8" WTR
EX 12" WTR
℄ M.H. NO. 17
℄ M.H. NO. 18
℄ M.H. NO. 19
℄ M.H. NO. 20
LATERAL END
LATERAL END INV=091.66
253-163-32 28,184 SF 0.60 AC
253-163-20 6,735 SF 0.15 AC
253-162-39 8,317 0.19 AC
253-162-40 3,498 SF 0.08 AC
253-162-41 3,128 SF 0.07 AC
253-162-05 6,735 SF 0.15 AC
253-163-19 7,500 SF 0.17 AC
R/W
SIGN
CONC
ASPH
OHM
OHP
MH
CB
X1104.5
X1104.2
X1103.4
X1106.5
X1107.9
X1107.5
X1108.9
X1110.3
X1110.6
X1110.7
X1110.8
X1111.8
X1103.1
X1103.3
X1106.2
X1107.4
X1107.6
X1107.7
X1108.7
X1109.8
X1110.2
X1110.3
X1110.4
X1110.5
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X1110.9
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X1111.1
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X1112.1
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