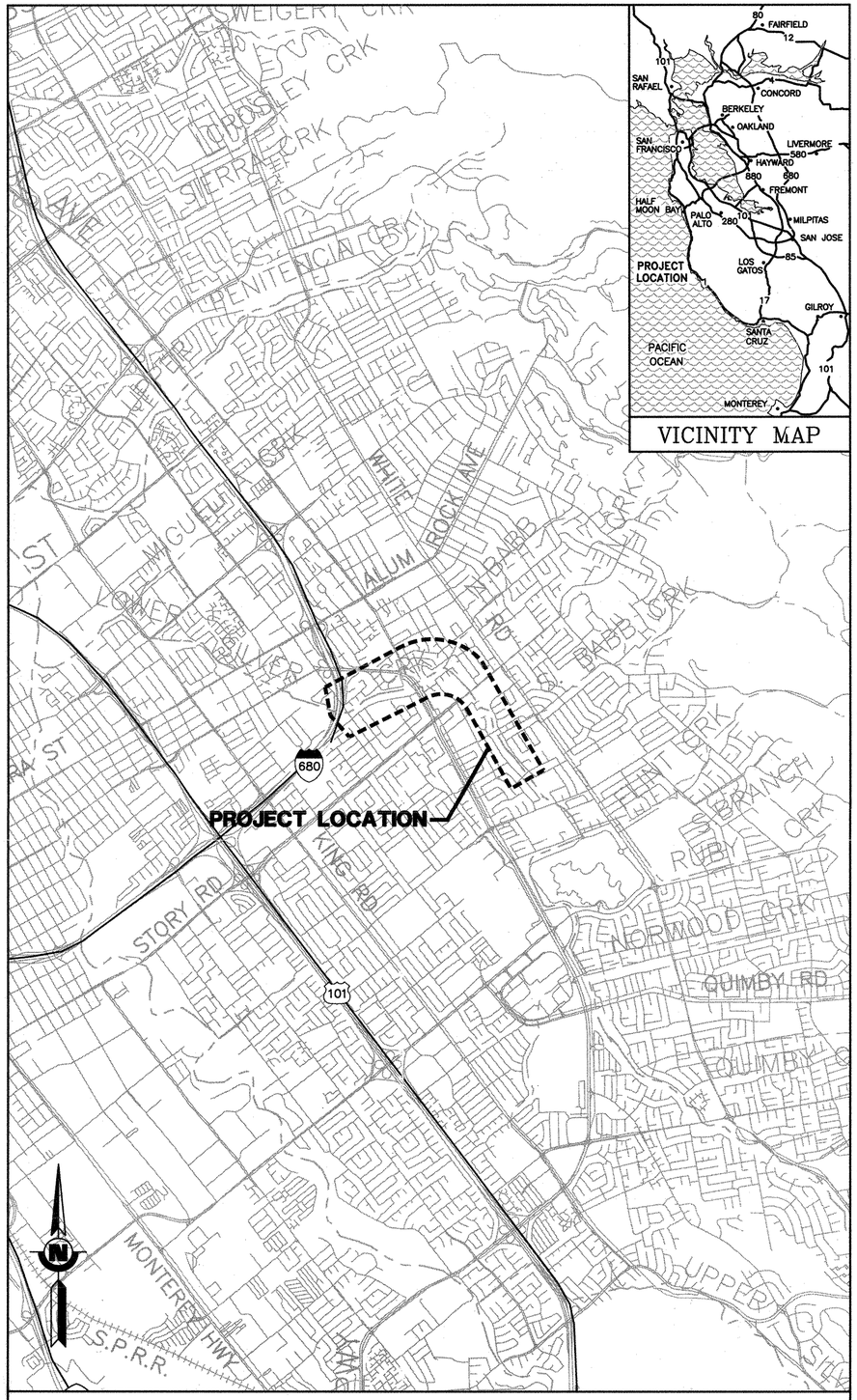
APPENDIX 3C-3

100% DESIGN PLANS FOR R4-6A

PART 1 OF 2



LOCATION MAP
SCALE: 1"=2,500'

MAP AND CONSTRUCTION PLAN

FOR

LOWER SILVER CREEK FLOOD PROTECTION AND CREEK RESTORATION PROJECT REACHES 4, 5 & 6A

BETWEEN INTERSTATE 680 AND MOSS POINT DRIVE

Santa Clara Valley Water District SM

NRCS Natural Resources Conservation Service

RECOVERY.GOV

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COYOTE & PAJARO WATERSHEDS DIVISION

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PROJECT NUMBER
40264008
SHEET CODE:
G-1
PAGE NUMBER: 1 OF 188

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DESIGN	JS/CW
DRAWN	LW
CHECKED	CP

ENGINEERING CERTIFICATION

EXP. 3-31-12

5/18/10

PROJECT ENGINEER DATE

Santa Clara Valley Water District

ACCEPTED BY DISTRICT

Dennis Cheong 6/1/10

DATE

PROJECT NAME AND SHEET DESCRIPTION:

LOWER SILVER CREEK REACHES 4, 5 & 6A

SHEET INDEX

SCALE: NOT TO SCALE

VERIFY SCALES

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PROJECT NUMBER: 40264008

SHEET CODE: G-2

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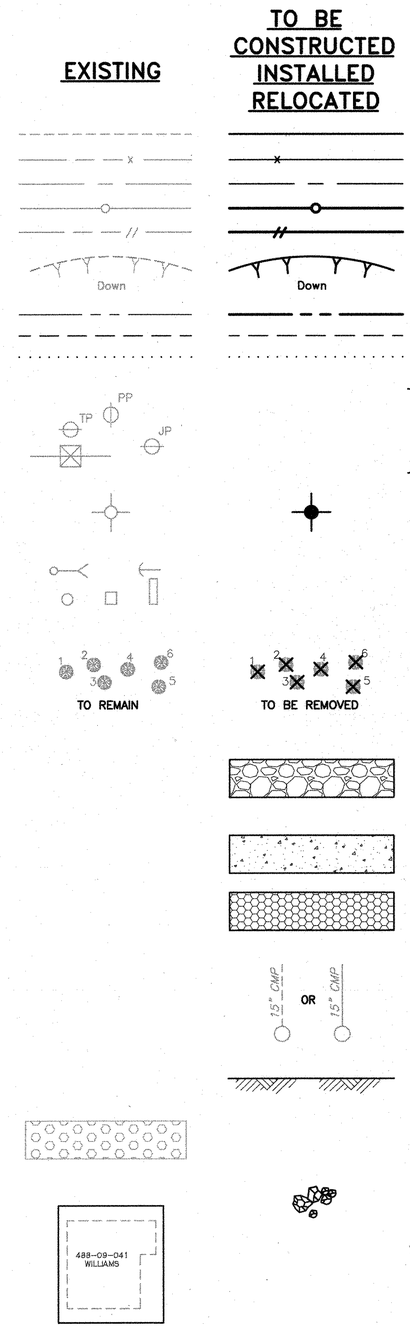
GENERAL ABBREVIATIONS

∠PT	– ANGLE POINT
AB	– AGGREGATE BASE, ANCHOR BOLT
ABUT	– ABUTMENT
AC	– ASPHALT CONCRETE
ACI	– AMERICAN CONCRETE INSTITUTE
ALIGN	– ALIGNMENT
ALT	– ALTERNATE, ALTERNATED
AMP	– AMPERE
AP	– ACCESS POINT
APPROX	– APPROXIMATELY
ASPH	– ASPHALT
ASSY	– ASSEMBLY
AVE	– AVENUE
AVRG	– AVERAGE
BC	– BEGIN CURVE, BACK OF CURB
BF	– BOTH FACES
BIT	– BITUMINOUS
BK	– BANK
BLDG	– BUILDING
BM	– BENCH MARK
BOT	– BOTTOM
BR	– BRIDGE
BRNG	– BEARING
BW	– BOTTOM OF WALL, BACK OF WALK
C	– CURVE, CHORD
CB	– CATCH BASIN
CCP	– CONCRETE CYLINDER PIPE
CFM	– CUBIC FEET PER MINUTE
CFS	– CUBIC FEET PER SECOND
CHNL	– CHANNEL
CIDH	– CAST IN DRILLED HOLE
CIP	– CAST IRON PIPE
CJ	– CONSTRUCTION JOINT
CL, C/L	– CENTER LINE
CLF–6,CL–6	– CHAIN LINK FENCE (HEIGHT IN FEET)
CLR	– CLEAR, CLEARANCE
CM	– CENTIMETER
CMP	– CORRUGATED METAL PIPE
COL	– COLUMN
CONC	– CONCRETE
CONST	– CONSTRUCT, CONSTRUCTION
CONT	– CONTROL, CONTINUOUS
CPT	– CONE PENETRATION TEST
CRK	– CREEK
CSJ	– CITY OF SAN JOSE
CT	– COURT
CY	– CUBIC YARDS
CYL	– CYLINDER
DBL	– DOUBLE
DEG (°)	– DEGREES
DET	– DETAIL
DG	– DECOMPOSED GRANITE
DI	– DROP INLET
DIA	– DIAMETER
DIP	– DUCTILE IRON PIPE
DPW	– DRILLED PIER WALL
DR	– DRIVE
D/S	– DOWNSTREAM
DWG	– DRAWING
DWN	– DOWN
E	– EAST, ELECTRIC
EA	– EACH
EC	– END CURVE
EF	– EACH FACE
EG	– EXISTING GROUND
EL, ELEV	– ELEVATION
ELECT	– ELECTRIC, ELECTRICAL
ENGR	– ENGINEER, ENGINEERING
EP	– EDGE OF PAVEMENT
ER	– EXISTING RAMP
EW	– EACH WAY
EX, EXIST	– EXISTING
EXPWY	– EXPRESSWAY
E'LY	– EASTERLY
FB	– FREEBOARD
FC	– FACE OF CURB
FD	– FOUND
FF	– FAR FACE
FG	– FINISH GRADE
FGL	– FINSH GRADE LOWSIDE WALL
FGH	– FINISH GRADE HIGHSIDE WALL
FH	– FIRE HYDRANT
FL	– FLOWLINE
FNC	– FENCE, FENCING
FT (')	– FEET, FOOT
FTG	– FOOTING
FUT	– FUTURE
FWY	– FREEWAY

G	– GAS
GA	– GAUGE
GAL	– GALVANIZED
GB	– GRADE BREAK
GFI	– GROUND FAULT INTERRUPTER
GP	– GUY POLE AND ANCHOR
GPM	– GALLONS PER MINUTE
GPS	– GALLONS PER SECOND
GR	– GRADE, GRATE
GRND	– GROUND
GRP	– GROUP
GV	– GATE VALVE
H	– HEIGHT
H&T	– HUB AND TACK
HORIZ	– HORIZONTAL
HK	– HOOK (APPLIED TO REBAR)
HP	– HIGH POINT, HINGE POINT HORSEPOWER
HWY	– HIGHWAY
I	– IRRIGATION
ID	– INSIDE DIAMETER OR DIMENSION
IF	– INSIDE FACE
IN (")	– INCH, INCHES
INV	– INVERT
IP	– IRON PIPE
JP	– JOINT POLE
JT	– JOINT, JOINT TRENCH
JUNCT	– JUNCTION
K	– KILO
Km	– KILOMETER
KV	– KILOVOLT
Kw	– KILOWATT
L	– LENGTH, LEFT, LANDSCAPING
L&R	– LEFT AND RIGHT
LN	– LANE
LP	– LIP OF GUTTER
LG	– LONG
M	– METER
MAINT	– MAINTENANCE
MAX	– MAXIMUM
MH	– MANHOLE
MIN	– MINIMUM
MON	– MONUMENT
MATL	– MATERIAL(S)
N	– NORTH
N/A	– NOT APPLICABLE, NOT AVAILABLE
NAD	– NORTH AMERICAN DATUM
NF	– NEAR FACE
NGVD	– NATIONAL GEODETIC VERTICAL DATUM
N'LY	– NORTHERLY
NTS	– NOT TO SCALE
OC	– ON CENTER
OD	– OUTSIDE DIAMETER OR DIMENSION
OF	– OUTSIDE FACE
OH	– OVERHEAD
OHET	– OVERHEAD ELECTRICAL AND TELEPHONE
OPNG	– OPENING
PB	– PULL BOX
PC	– POINT OF CURVATURE
PCC	– PORTLAND CEMENT CONCRETE, POINT OF COMPOUND CURVE
PED	– PEDESTRIAN
PG&E	– PACIFIC GAS AND ELECTRIC
PI	– POINT OF INTERSECTION
PL or ℄	– PLATE
POB	– POINT OF BEGINNING
PP	– POWER POLE
PRC	– POINT OF REVERSE CURVE
PSI	– POUNDS PER SQUARE INCH
PNT	– POINT, POINT OF TANGENCY
PVC	– POLYVINYL CHLORIDE PIPE
PVI	– POINT OF VERTICAL INTERSECTION
PVMT	– PAVEMENT
Q	– DESIGN DISCHARGE (CFS)

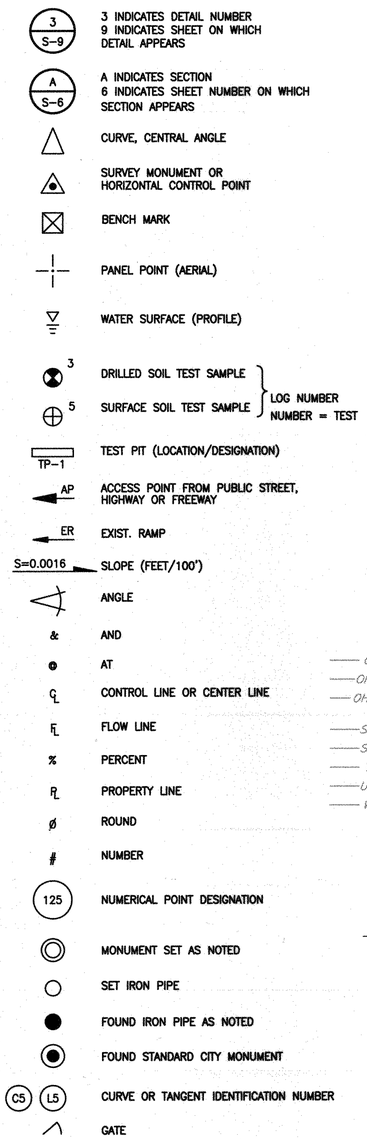
R	– RADIUS, RIGHT
RCB	– REINFORCED CONCRETE BOX
RCP	– REINFORCED CONCRETE PIPE
RD	– ROAD
REF	– REFERENCE
REINF	– REINFORCED, REINFORCEMENT
REQ'D	– REQUIRED
RET WALL	– RETAINING WALL
RSP	– ROCK SLOPE PROTECTION
RTE	– ROUTE
R/W, RW	– RIGHT OF WAY
S	– SOUTH, SLOPE, STRUCTURAL
SCH	– SCHEDULE
SCRR	– SACKED CONCRETE RIPRAP
SCSP	– SACKED CONCRETE SLOPE PROTECTION
SCVWD	– SANTA CLARA VALLEY WATER DISTRICT
SD	– STORM DRAIN
SDFI	– STORM DRAIN FIELD INLET
SE	– SOUTHEAST
SECT	– SECTION
SED	– SEDIMENT
SGL	– SINGLE
SHT	– SHEET
SJWD	– SAN JOSE WATER COMPANY
S'LY	– SOUTHERLY
SPECS	– SPECIFICATIONS
SQ FT, SF	– SQUARE FEET
SLP	– SLOPE
SS	– SANITARY SEWER, STAINLESS STEEL
SSCO	– SANITARY SEWER CLEANOUT
SSMH	– SANITARY SEWER MANHOLE
ST	– STREET
STA	– STATION
STD	– STANDARD
STL	– STEEL
STR	– STRUCTURE
SYM	– SYMMETRICAL
T	– TANGENT, TELEPHONE
T&B	– TOP AND BOTTOM
TB	– TOP OF BANK
TBM	– TEMPORARY BENCH MARK
TC	– TOP OF CURB
TCA	– TEMPORARY CONSTRUCTION AREA
TCE	– TEMPORARY CONSTRUCTION EASEMENT
TEL	– TELEPHONE CABLE
TEMP	– TEMPORARY
TFC	– TRAFFIC
TFW	– TOP OF FLOODWALL
TOE	– TOE OF SLOPE
TP	– TELEPHONE POLE, TURNING POINT
TP–1	– TEST PIT (DESIGNATION OR LOCATION)
TRANS	– TRANSITION
TS	– TRAFFIC SIGNAL
TV	– TELEVISION CABLE OR FACILITY
TW	– TOP OF WALL
TYP	– TYPICAL
UB	– UTILITY BOX
UC	– UTILITY CONDUIT
UE	– UNDERGROUND ELECTRIC LINE
UG	– UNDERGROUND
UON	– UNLESS OTHERWISE NOTED
U/S	– UPSTREAM
USC&GS	– UNITED STATES COASTAL AND GEODETIC SURVEY
V	– VOLTS
VCP	– VITRIFIED CLAY PIPE
VEG	– VEGETATED
VERT	– VERTICAL
W	– WEST, WATER, WITH, WIDTH
WD	– WOOD, WOODEN
WF	– WOOD FENCE
W/O	– WITHOUT
W'LY	– WESTERLY
WP	– WATERPROOF, WORK PAINT
WS	– WATER SURFACE
WT	– WEIGHT
WV	– WATER VALVE
WWF	– WELDED WIRE FABRIC
X-SECT	– CROSS SECTION
Y	– YARDS
Z	– ZONE

LEGEND



FACILITIES
BARBED WIRE FENCE
CENTER LINE OR CONTROL LINE
CHAIN LINK FENCE
WOOD FENCE
SLOPE OF BANK
RW LINE
RW TCE
RW UTILITY EASEMENT
POWER POLE (PP)
JOINT POLE (JP)
TELEPHONE POLE (TP)
TOWER
AS DESIGNATED
ELECTROLIER
GUY ANCHOR
UTILITY BOXES (AS ABBREVIATED)
TREES – NUMBER DENOTES SIZE & KIND OF TREE SHOWN IN TABLE
1/4 TON ROCK SLOPE PROTECTION (RSP) (GROUTED WHERE NOTED)
CONCRETE
GRAVEL ROAD (CLASS 2, 1-1/2" MAX AGGREGATED BASE)
SD OUTFALL (NUMBERS DENOTES PIPE SIZE, 3 LETTER ABBREVIATIONS DENOTES PIPE TYPE)
EARTHEN CHANNEL BOTTOM
RIPRAP SLOPE
1/2-1 TON BOULDERS
THE EIGHT-DIGIT NUMBER IS THE ASSESSOR'S PARCEL NUMBER.
THE WORD IS THE PROPERTY OWNER'S NAME.

SYMBOLS



REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

RJA RUGGERI-JENSEN-AZAR
ENGINEERS • PLANNERS • SURVEYORS
8333 CAMINO ARROYO GILROY, CA 95020
PHONE: (408) 848-0300 FAX: (408) 848-0302

DATE 05-18-10
DESIGN JS/CW
DRAWN LW
CHECKED CP

ENGINEERING CERTIFICATION
REGISTERED PROFESSIONAL ENGINEER ARMANDO A. CUEVAS No. 17 EXP. 3-31-12 CIVIL STATE OF CALIFORNIA
5/18/10
PROJECT ENGINEER DATE

Santa Clara Valley Water District
ACCEPTED BY DISTRICT
Dennis Cheung 6/1/10
DATE

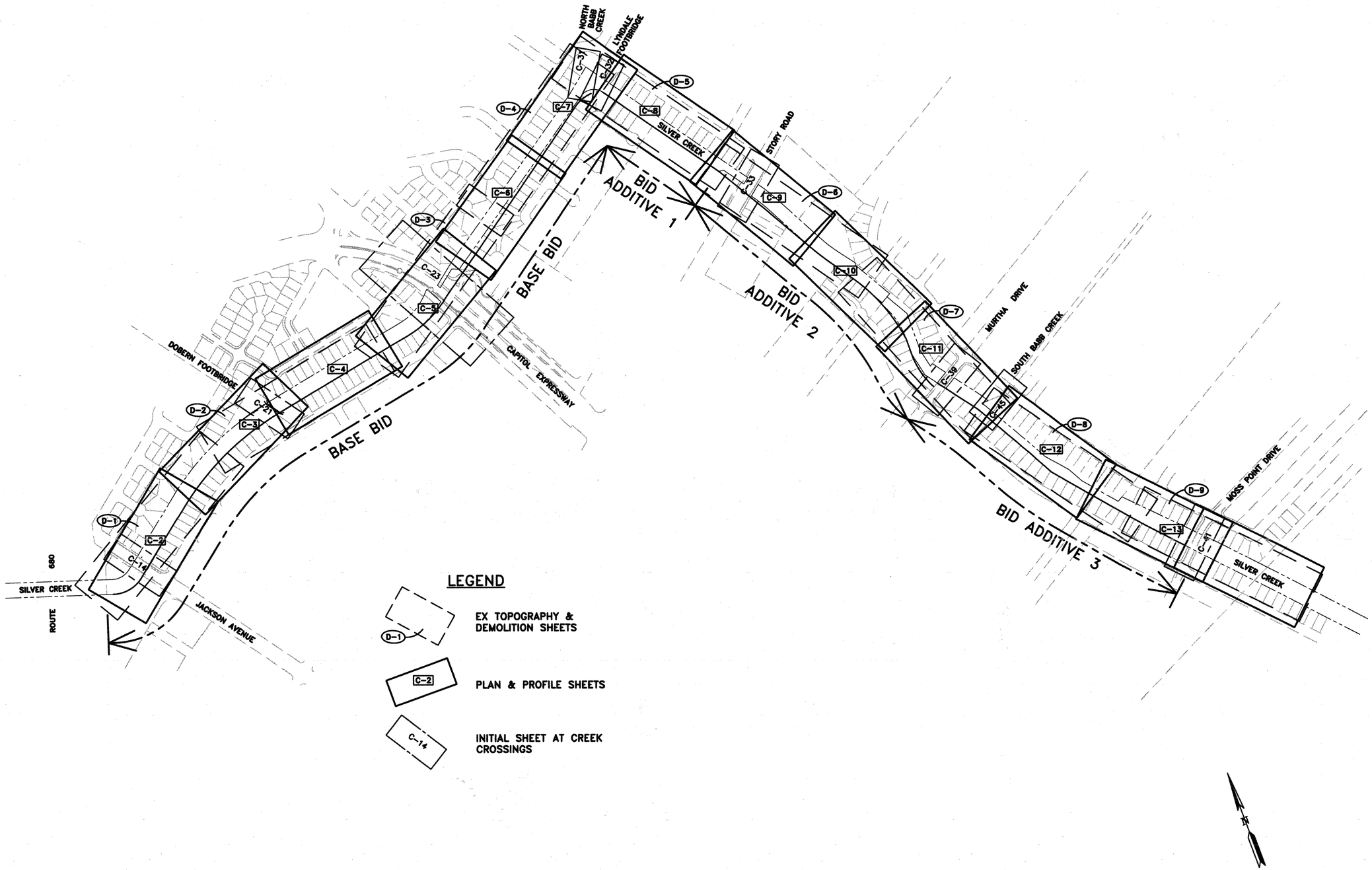
PROJECT NAME AND SHEET DESCRIPTION:
LOWER SILVER CREEK REACHES 4, 5 & 6A
ABBREVIATIONS AND LEGEND

SCALE: NOT TO SCALE
VERIFY SCALES: 0 1" BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY
PROJECT NUMBER: 40264008
SHEET CODE: G-3
PAGE NUMBER: 3 OF 188

DOCUMENT NUMBER: CAD_XXX 4026-42992

USERNAME: CLaClair Fri 21 May 2010 02:48pm
FILENAME: W:\Jobs 09\092051\Drawings\Final\Plans\3 G-3 LEGEND + ABBREV

W:\Jobs 09\092051\Drawings\Final\Plans\3 G-3 LEGEND + ABBREV.dwg, 5/21/2010 2:47:37 PM, Adobe PDF



REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

RJA
RUGGERI-JENSEN-AZAR
ENGINEERS • PLANNERS • SURVEYORS
8500 CARIBU AIRPORT GILROY, CA 95020
PHONE: (408) 848-3300 FAX: (408) 848-3302

DATE	ENGINEERING CERTIFICATION
05-18-10	REGISTERED PROFESSIONAL ENGINEER — ATHAN J. CHEUNG — No. 43000 — CIVIL — STATE OF CALIFORNIA — 3-31-12
DESIGN JS/CW	
DRAWN LW	
CHECKED CP	5/18/10 PROJECT ENGINEER DATE

Santa Clara Valley Water District

ACCEPTED BY DISTRICT

Dennis Cheong 6/1/10
DATE

PROJECT NAME AND SHEET DESCRIPTION:

LOWER SILVER CREEK REACHES 4, 5 & 6A

KEY MAP

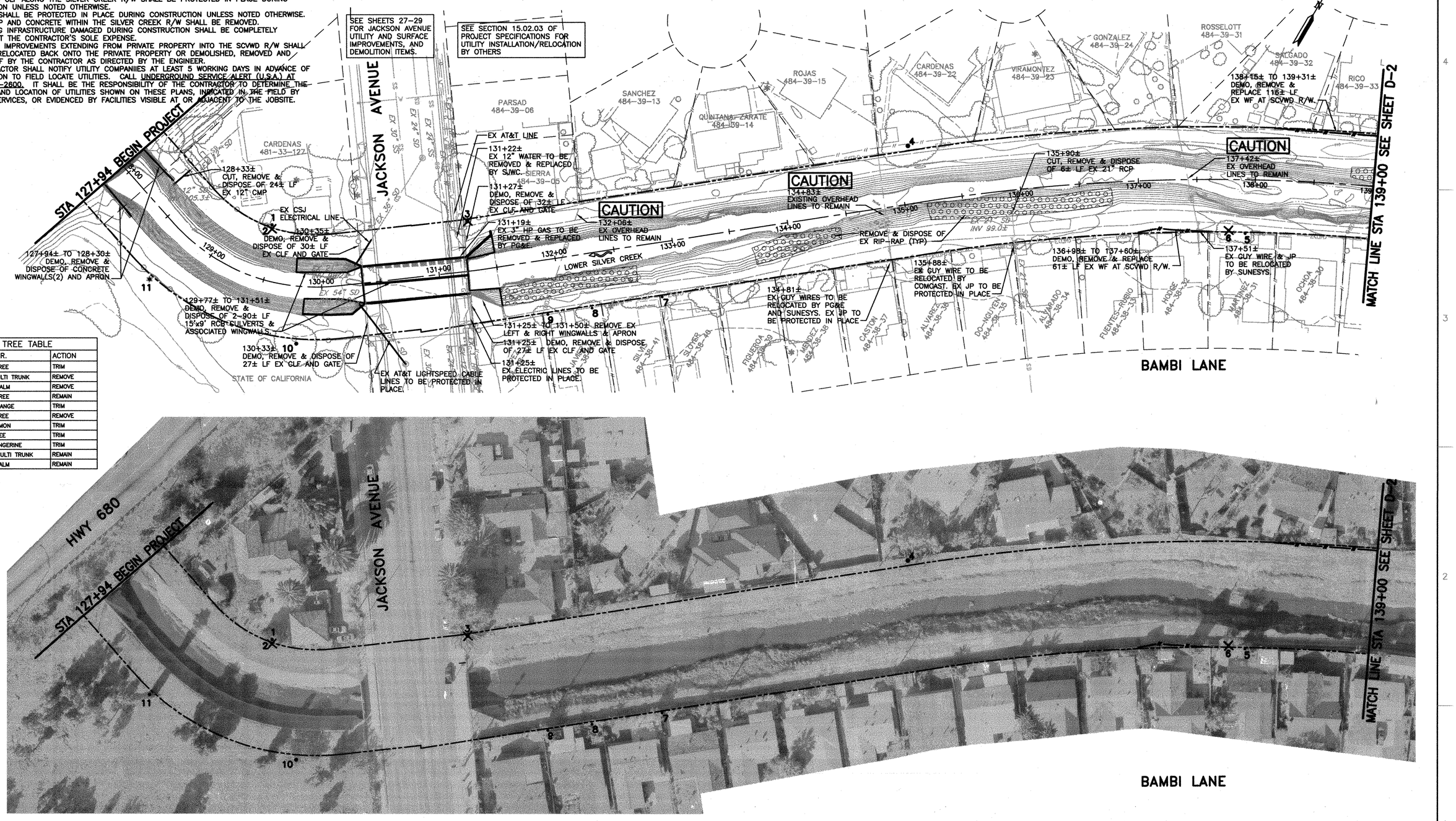
SCALE	PROJECT NUMBER
1"=300'	40264008
VERIFY SCALES 0 1" BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	SHEET CODE: K-1
	PAGE NUMBER: 4 OF 188

DOCUMENT NUMBER: CAD_XX-X-XXXX-XXXXX 40216-42993

USERNAME: LWinter Thu 27 May 2010 05:36pm
FILENAME: W:\Jobs 09\092051\Drawings\Final\Plans\4 K-1 KEY MAP

DEMOLITION NOTES:

1. ALL EXISTING OVERHEAD LINES, POLES, AND GUY WIRES SHALL BE PROTECTED IN PLACE DURING CONSTRUCTION UNLESS NOTED OTHERWISE.
2. ALL WF AND CLF ALONG THE SILVER CREEK R/W SHALL BE PROTECTED IN PLACE DURING CONSTRUCTION UNLESS NOTED OTHERWISE.
3. ALL TREES SHALL BE PROTECTED IN PLACE DURING CONSTRUCTION UNLESS NOTED OTHERWISE.
4. ALL RIP-RAP AND CONCRETE WITHIN THE SILVER CREEK R/W SHALL BE REMOVED.
5. ALL EXISTING INFRASTRUCTURE DAMAGED DURING CONSTRUCTION SHALL BE COMPLETELY RESTORED AT THE CONTRACTOR'S SOLE EXPENSE.
6. ALL PRIVATE IMPROVEMENTS EXTENDING FROM PRIVATE PROPERTY INTO THE SCVWD R/W SHALL EITHER BE RELOCATED BACK ONTO THE PRIVATE PROPERTY OR DEMOLISHED, REMOVED AND DISPOSED OF BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER.
7. THE CONTRACTOR SHALL NOTIFY UTILITY COMPANIES AT LEAST 5 WORKING DAYS IN ADVANCE OF CONSTRUCTION TO FIELD LOCATE UTILITIES. CALL UNDERGROUND SERVICE ALERT (U.S.A.) AT 1-800-227-2600. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXISTENCE AND LOCATION OF UTILITIES SHOWN ON THESE PLANS, INDICATED IN THE FIELD BY LOCATING SERVICES, OR EVIDENCED BY FACILITIES VISIBLE AT OR ADJACENT TO THE JOBSITE.



TREE TABLE		
No.	DESCR.	ACTION
1	18" TREE	TRIM
2	8" MULTI TRUNK	REMOVE
3	36" PALM	REMOVE
4	30" TREE	REMAIN
5	8" ORANGE	TRIM
6	18" TREE	REMOVE
7	8" LEMON	TRIM
8	8" TREE	TRIM
9	8" TANGERINE	TRIM
10	24" MULTI TRUNK	REMAIN
11	18" PALM	REMAIN

USERNAME: RNeufeld Thu 27 May 2010 05:15pm
FILENAME: W:\Jobs 09\09205\Drawings\Final\Plans\5 D-1 DEMO PLAN 1

4026-92994

DOCUMENT NUMBER: CAD_XX-X-XXXX-XXXXX

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

RJA
RUGGERI-JENSEN-AZAR
ENGINEERS • PLANNERS • SURVEYORS
5353 DAVID ARROYO GURDY, CA 93292
PHONE (408) 848-0300 FAX (408) 848-0302

DATE	ENGINEERING CERTIFICATION
05-18-10	REGISTERED PROFESSIONAL ENGINEER RAMON A. AZAR No. 20291 CIVIL STATE OF CALIFORNIA Exp. 3-31-12
DESIGN JS/CW	
DRAWN LW	
CHECKED CP	PROJECT ENGINEER 5/18/10 DATE

Santa Clara Valley Water District

ACCEPTED BY DISTRICT

Dennis Cheong 6/1/10

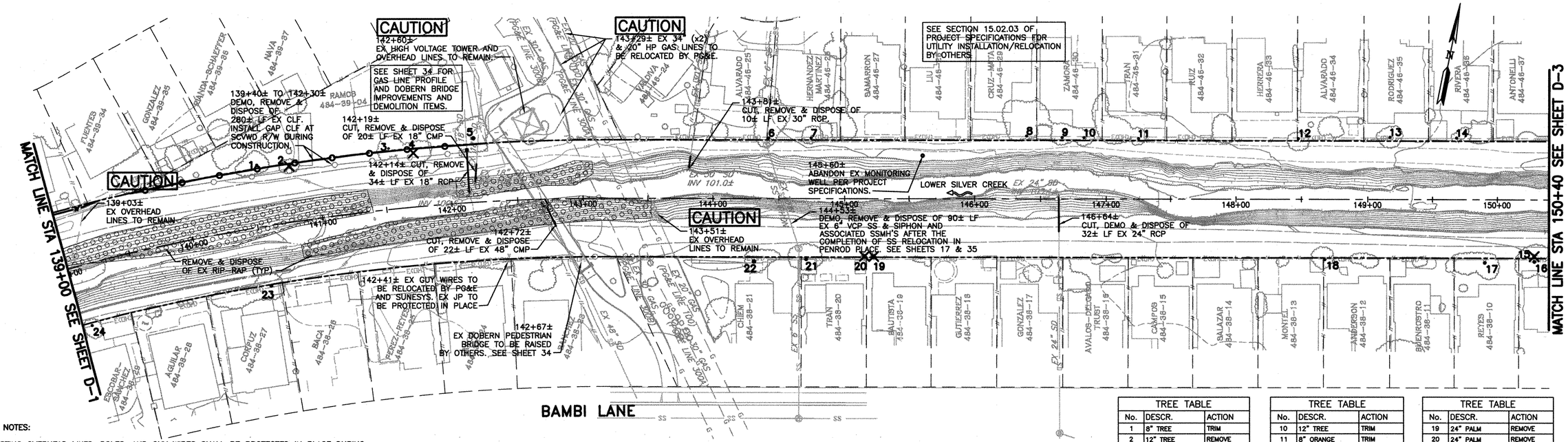
DATE

PROJECT NAME AND SHEET DESCRIPTION:

LOWER SILVER CREEK REACHES 4, 5 & 6A

EXISTING TOPOGRAPHY & DEMOLITION PLAN STA 127+94 TO 139+00

SCALE	PROJECT NUMBER
1"=40'	40264008
VERIFY SCALES 0 1" BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	SHEET CODE: D-1
	PAGE NUMBER: 5 OF 188



TREE TABLE		
No.	DESCR.	ACTION
1	8" TREE	TRIM
2	12" TREE	REMOVE
3	8" TREE	TRIM
4	8" TREE	REMOVE
5	24" FRUIT TREE	TRIM
6	8" LEMON	TRIM
7	8" TREE	TRIM
8	8" TREE	TRIM
9	8" ORANGE	TRIM

TREE TABLE		
No.	DESCR.	ACTION
10	12" TREE	TRIM
11	8" ORANGE	TRIM
12	8" TREE	TRIM
13	8" ORANGE	TRIM
14	6" TREE	TRIM
15	6" TREE	REMOVE
16	12" TREE	TRIM
17	8" LEMON	TRIM
18	8" FRUIT TREE	TRIM

TREE TABLE		
No.	DESCR.	ACTION
19	24" PALM	REMOVE
20	24" PALM	REMOVE
21	18" TREE	TRIM
22	8" FRUIT TREE	TRIM
23	12" TREE	TRIM
24	8" ORANGE	TRIM

DEMOLITION NOTES:

1. ALL EXISTING OVERHEAD LINES, POLES, AND GUY WIRES SHALL BE PROTECTED IN PLACE DURING CONSTRUCTION UNLESS NOTED OTHERWISE.
2. ALL WF AND CLF ALONG THE SILVER CREEK R/W SHALL BE PROTECTED IN PLACE DURING CONSTRUCTION UNLESS NOTED OTHERWISE.
3. ALL TREES SHALL BE PROTECTED IN PLACE DURING CONSTRUCTION UNLESS NOTED OTHERWISE.
4. ALL RIP-RAP AND CONCRETE WITHIN THE SILVER CREEK R/W SHALL BE REMOVED.
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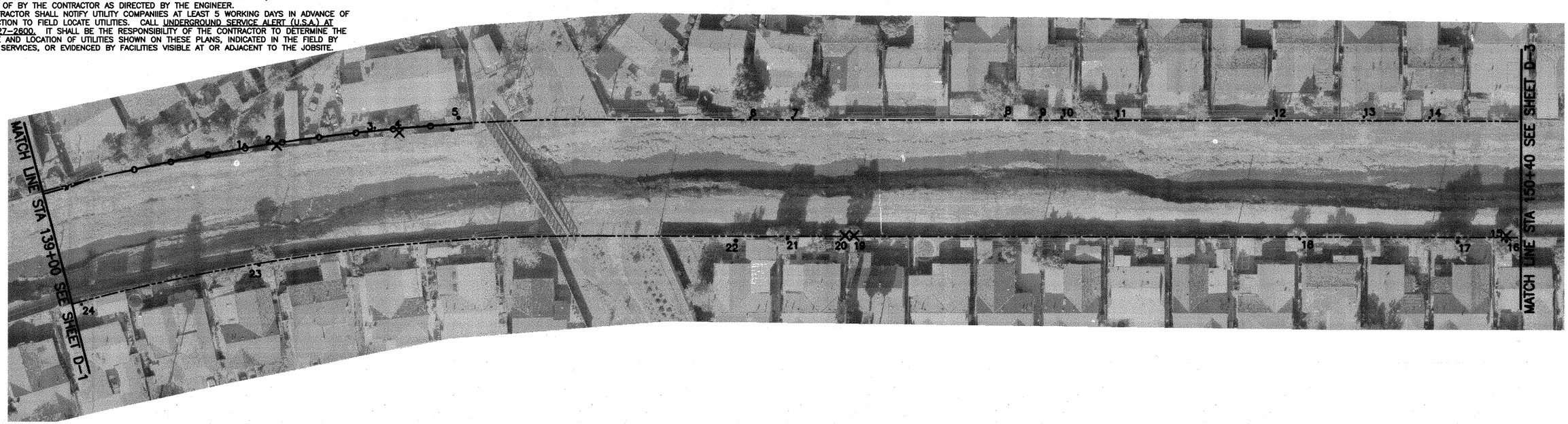

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

RJA
RUGGERI-JENSEN-AZAR
ENGINEERS • PLANNERS • SURVEYORS
5353 CAMINO ARROYO SUNOY, CA 95003
PHONE: (408) 848-2300 FAX: (408) 848-2302

DATE
05-18-10
DESIGN
JS/CW
DRAWN
LW
CHECKED
CP

ENGINEERING CERTIFICATION
REGISTERED PROFESSIONAL ENGINEER JOHN STEVEN WILLIAMS CIVIL STATE OF CALIFORNIA
Exp 3-31-12
5/18/10
PROJECT ENGINEER DATE

Santa Clara Valley Water District
ACCEPTED BY DISTRICT
Dennis Cheong 6/1/10
DATE

PROJECT NAME AND SHEET DESCRIPTION:

LOWER SILVER CREEK REACHES 4, 5 & 6A

EXISTING TOPOGRAPHY & DEMOLITION PLAN STA 139+00 TO 150+40

SCALE: 1"=40'
VERIFY SCALES: 0 1"
BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

PROJECT NUMBER: 40264008
SHEET CODE: D-2
PAGE NUMBER: 6 OF 188

USERNAME: LWinter Thu 27 May 2010 04:17pm
FILENAME: W:\Jobs 09\092051\Drawings\Final\Plans\6 D-2 DEMO PLAN 2

DOCUMENT NUMBER: CAD_XX-X-XXXX-XXXXX

4026-42995

DEMOLITION NOTES:

1. ALL EXISTING OVERHEAD LINES, POLES, AND GUY WIRES SHALL BE PROTECTED IN PLACE DURING CONSTRUCTION UNLESS NOTED OTHERWISE.
2. ALL WF AND CLF ALONG THE SILVER CREEK R/W SHALL BE PROTECTED IN PLACE DURING CONSTRUCTION UNLESS NOTED OTHERWISE.
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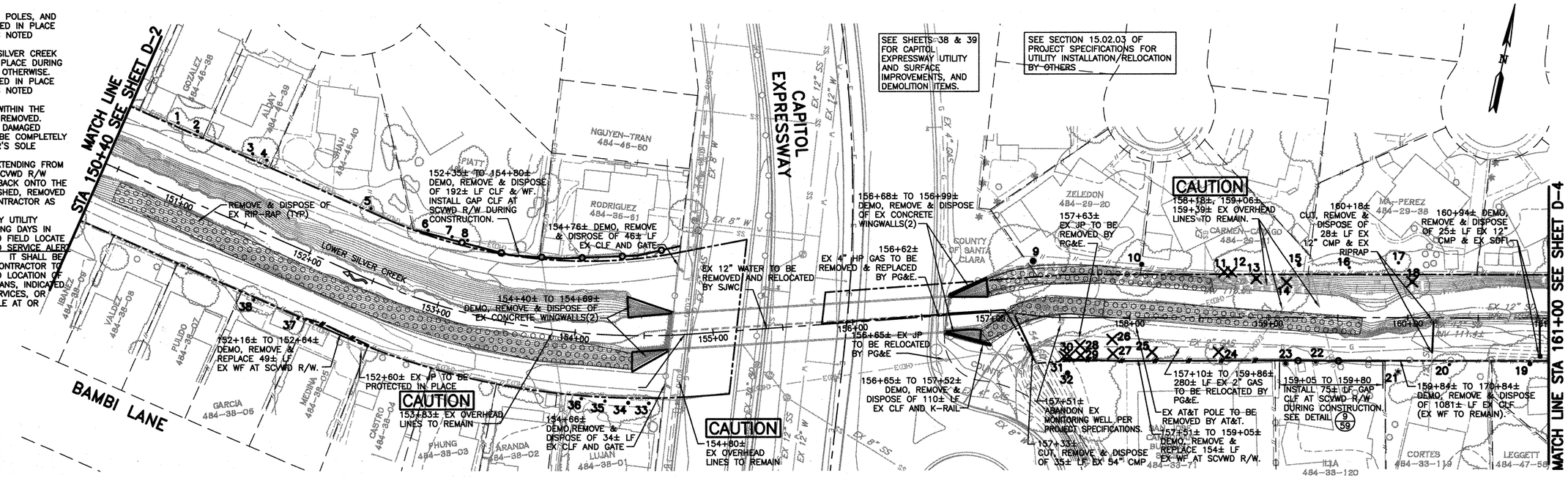
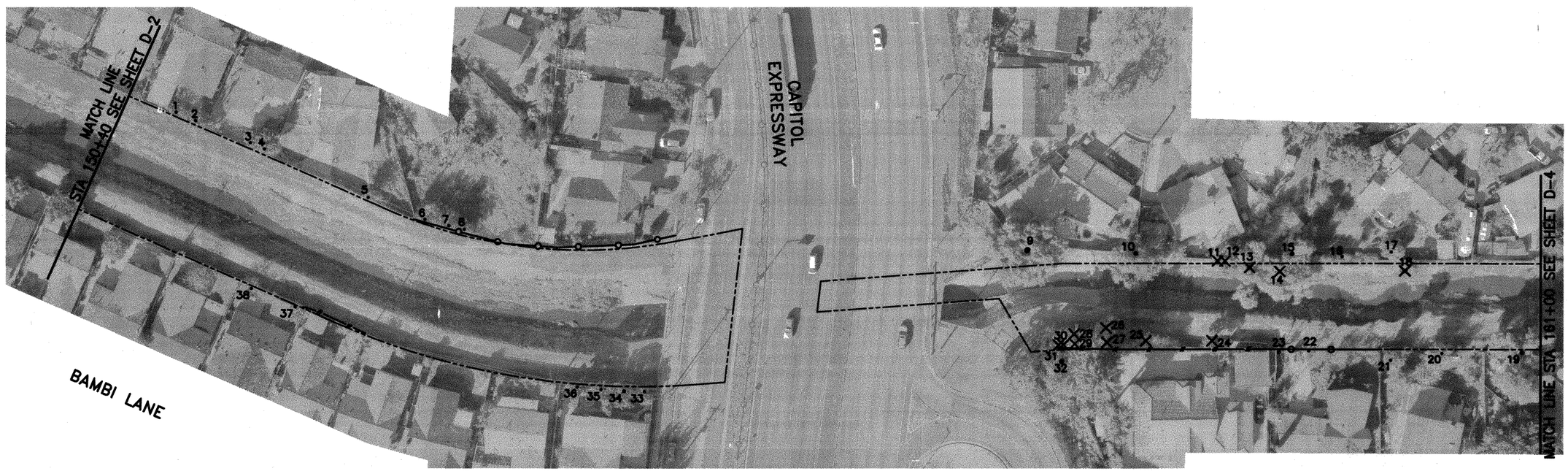


TREE TABLE		
No.	DESCR.	ACTION
1	8" TREE	TRIM
2	12" TREE	TRIM
3	8" ORANGE	TRIM
4	8" ORANGE	TRIM
5	8" TREE	TRIM
6	8" TREE	TRIM
7	8" TREE	TRIM
8	8" TREE	TRIM
9	36" PEPPER TREE	TRIM
10	24" TREE	TRIM
11	12" TREE	REMOVE
12	12" TREE	REMOVE
13	24" PEPPER TREE	REMOVE
14	15" PEPPER TREE	REMOVE
15	24" REDWOOD	REMAIN
16	12" PALM	REMAIN
17	10" ORANGE	TRIM
18	15" TREE	REMOVE
19	24" PEPPER	TRIM
20	8" TREE	TRIM
21	15" PALM	REMAIN
22	8" TREE	REMAIN
23	18" TREE	REMAIN
24	15" TREE	REMOVE
25	12" TREE	REMOVE
26	15" TREE	REMOVE
27	6" TREE	REMOVE
28	6" TREE	REMOVE
29	8" TREE	REMOVE
30	4" TREE	REMOVE
31	6" TREE	REMOVE
32	36" TREE	REMAIN
33	15" TREE	TRIM
34	18" TREE	TRIM
35	12" TREE	TRIM
36	12" TREE	TRIM
37	6" LEMON	TRIM
38	8" FRUIT TREE	TRIM



REV	DESCRIPTION	DATE	APP'R.	REFERENCE INFORMATION AND NOTES

RJA RUGGERI-JENSEN-AZAR ENGINEERS • PLANNERS • SURVEYORS 5005 CAMINO ARENAL GILROY, CA 95020 PHONE: (408) 848-0200 FAX: (408) 848-0300

DATE 05-18-10
DESIGN JS/CW
DRAWN LW
CHECKED CP

ENGINEERING CERTIFICATION
REGISTERED PROFESSIONAL ENGINEER ARMANDO A. JENSEN III No. 41411 CIVIL STATE OF CALIFORNIA
5-31-12
5/18/10
PROJECT ENGINEER DATE

Santa Clara Valley Water District
ACCEPTED BY DISTRICT
Dennis Cheung 6/1/10
DATE

PROJECT NAME AND SHEET DESCRIPTION:
LOWER SILVER CREEK REACHES 4, 5 & 6A
EXISITNG TOPOGRAPHY & DEMOLITION PLAN STA 150+40 TO 161+00

SCALE 1"=40'
VERIFY SCALES 0 — 1"
BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

PROJECT NUMBER 40264008
SHEET CODE: D-3
PAGE NUMBER: 7 OF 188

DOCUMENT NUMBER: CAD_XX-X-XXXX-XXXXX
USERNAME: LWinter Thu 27 May 2010 04:26pm
FILENAME: W:\Jobs 09\092051\Drawings\Final\Plans\7 D-3 DEMO PLAN 3
4026 - 92996

DEMOLITION NOTES:

1. ALL EXISTING OVERHEAD LINES, POLES, AND GUY WIRES SHALL BE PROTECTED IN PLACE DURING CONSTRUCTION UNLESS NOTED OTHERWISE.
2. ALL WF AND CLF ALONG THE SILVER CREEK R/W SHALL BE PROTECTED IN PLACE DURING CONSTRUCTION UNLESS NOTED OTHERWISE.
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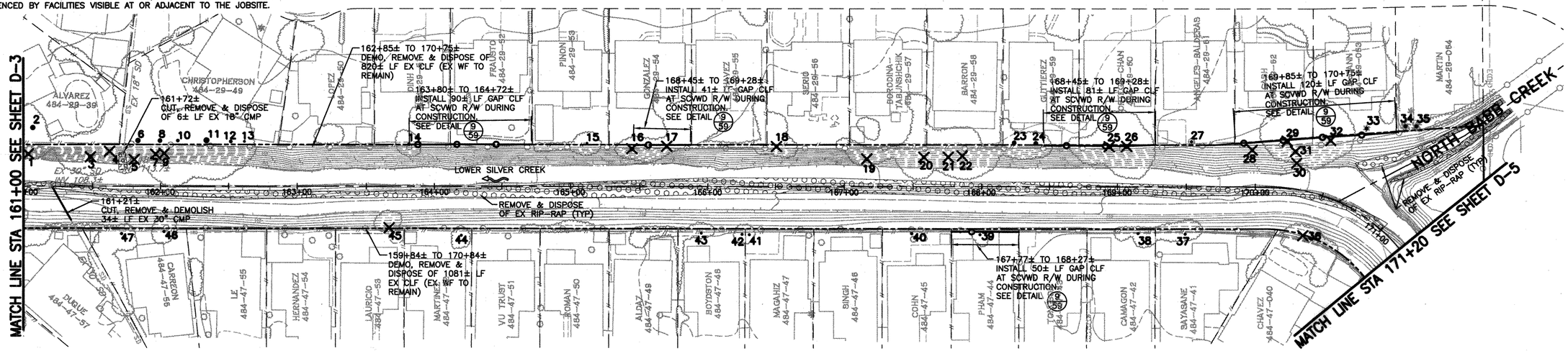
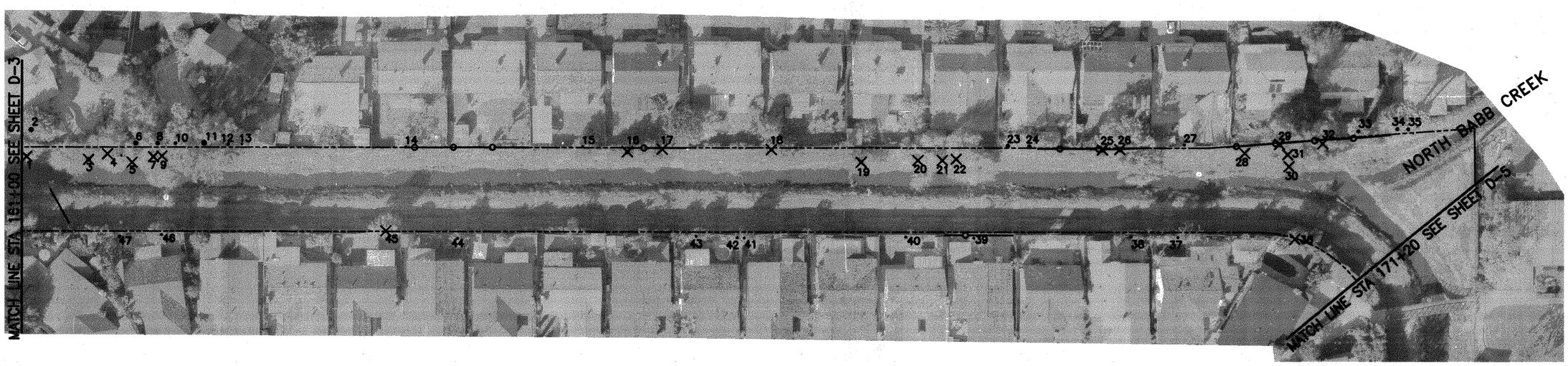
SEE SECTION 15.02.03 OF PROJECT SPECIFICATIONS FOR UTILITY INSTALLATION/RELOCATION BY OTHERS

HIGHWOOD DRIVE



TREE TABLE		
No.	DESCR.	ACTION
1	18" TREE	REMOVE
2	30" TREE	REMAIN
3	24" TREE	REMOVE
4	12" TREE	REMOVE
5	12" TREE	REMOVE
6	30" TREE	TRIM
7	18" TREE	REMOVE
8	24" TREE	TRIM
9	15" TREE	REMOVE
10	15" TREE	TRIM
11	36" TREE	TRIM
12	15" TREE	TRIM
13	8" TREE	TRIM
14	10" TREE	TRIM
15	8" TREE	TRIM
16	24" TREE	REMOVE
17	12" TREE	REMOVE
18	18" TREE	REMOVE
19	TREE CLUSTER	REMOVE
20	15" TREE	REMOVE
21	15" TREE	REMOVE
22	15" TREE	REMOVE
23	18" TREE	TRIM
24	18" TREE	TRIM
25	30" TREE	REMOVE
26	30" TREE	REMOVE
27	8" TREE	TRIM
28	4" FRUIT TREE	REMOVE
29	30" REDWOOD	REMOVE
30	8" TREE	REMOVE
31	24" PALM	REMOVE
32	24" PEPPER	REMOVE
33	18" PALM	REMAIN
34	18" PALM	REMAIN
35	18" PALM	REMAIN
36	12" FRUIT TREE	REMOVE
37	8" FRUIT TREE	TRIM
38	8" ORANGE	TRIM
39	8" TREE	TRIM
40	6" FRUIT	TRIM
41	12" TREE	TRIM
42	6" LEMON	TRIM
43	8" ORANGE	TRIM
44	8" LEMON	TRIM
45	15" FRUIT TREE	REMOVE
46	8" ORANGE	TRIM
47	12" TREE	TRIM

HIGHWOOD DRIVE



REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

RJA
RUGGERI-JENSEN-AZAR
ENGINEERS • PLANNERS • SURVEYORS
5050 CHANNEL AVENUE SUNNY, CA 95050
PHONE: (408) 848-3200 FAX: (408) 848-3202

DATE	ENGINEERING CERTIFICATION
05-18-10	REGISTERED PROFESSIONAL ENGINEER CHRISTOPHER PAUL CHANG Exp. 3-31-12 CIVIL STATE OF CALIFORNIA
DESIGN JS/CW	5/18/10
DRAWN LW	PROJECT ENGINEER DATE
CHECKED CP	

Santa Clara Valley Water District

ACCEPTED BY DISTRICT

Dennis Cheong 6/1/10

DATE

PROJECT NAME AND SHEET DESCRIPTION:

LOWER SILVER CREEK REACHES 4, 5 & 6A

EXISTING TOPOGRAPHY & DEMOLITION PLAN STA 161+00 TO 171+20

SCALE	PROJECT NUMBER
1"=40'	40264008
VERIFY SCALES 0 1" BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	SHEET CODE: D-4
	PAGE NUMBER: 8 OF 188

DOCUMENT NUMBER: CAD_XX-X-XXXX-XXXXX

USERNAME: LWinter Thu 27 May 2010 04:35pm
FILENAME: W:\Jobs 09\092051\Drawings\Final\Plans\8 D-4 DEMO PLAN 4

4026 - 42997

DEMOLITION NOTES:

1. ALL EXISTING OVERHEAD LINES, POLES, AND GUY WIRES SHALL BE PROTECTED IN PLACE DURING CONSTRUCTION UNLESS NOTED OTHERWISE.
2. ALL WF AND CLF ALONG THE SILVER CREEK R/W SHALL BE PROTECTED IN PLACE DURING CONSTRUCTION UNLESS NOTED OTHERWISE.
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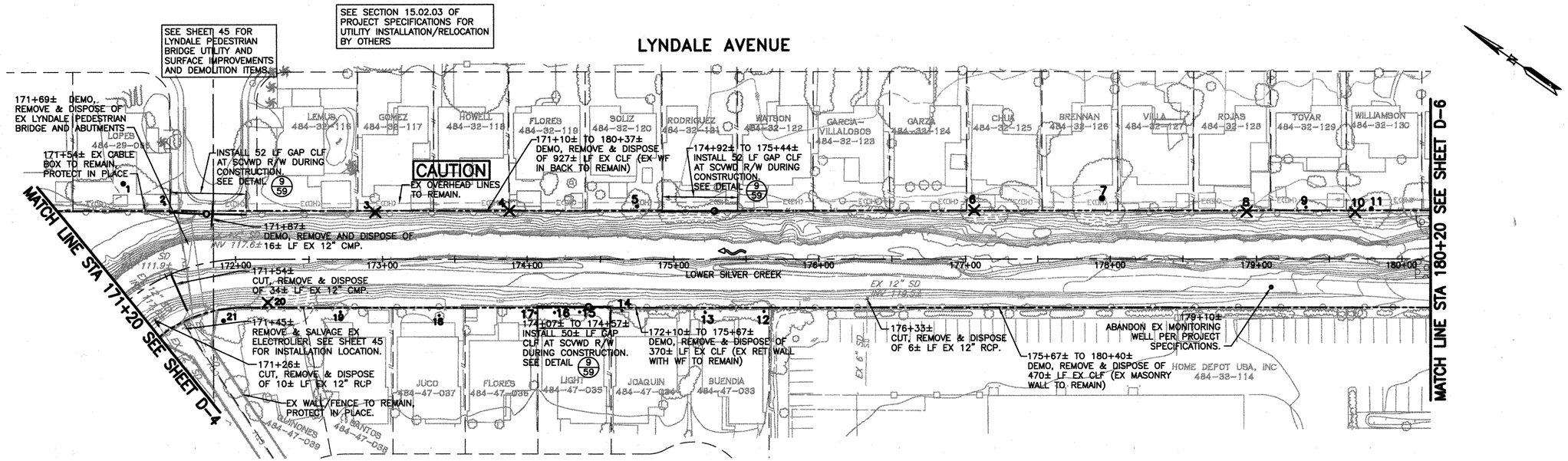
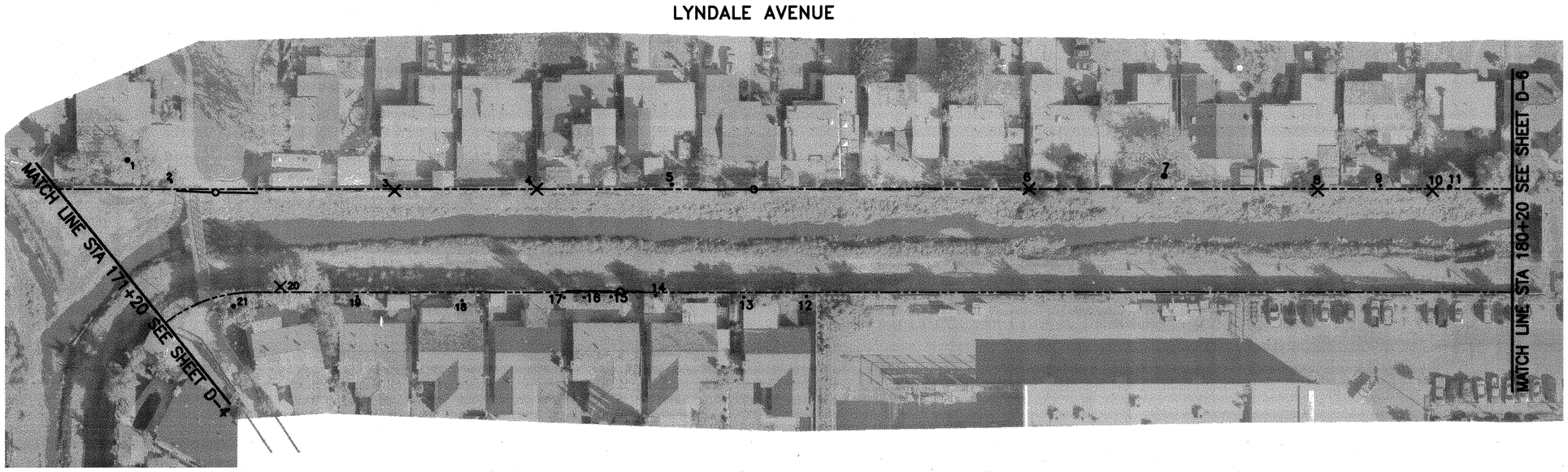
TREE TABLE

No.	DESCR.	ACTION
1	30" TREE	REMAIN
2	12" TREE	REMAIN
3	24" PALM	REMOVE
4	18" TREE	REMOVE
5	18" TREE	TRIM
6	15" TREE	REMOVE
7	30" TREE	REMAIN
8	12" TREE	REMOVE
9	8" TREE	TRIM
10	12" TREE	REMOVE
11	24" TREE	TRIM
12	8" TREE	TRIM
13	8" TREE	TRIM
14	10" LEMON	TRIM
15	8" TREE	TRIM
16	8" TREE	TRIM
17	8" TREE	TRIM
18	12" TREE	TRIM
19	12" TREE	TRIM
20	20" TREE	REMOVE
21	30" TREE	REMAIN





USERNAME: LWinter Thu 27 May 2010 04:45pm
FILENAME: W:\Jobs 09\092051\Drawings\Final\Plans\9 D-5 DEMO PLAN 5

4026-42998

DOCUMENT NUMBER: CAD_XX-X-XXXX-XXXXX

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

RJA
RUGGERI-JENSEN-AZAR
ENGINEERS • PLANNERS • SURVEYORS
3020 CHAINO ARROYO GILROY, CA 95020
PHONE: (408) 848-2300 FAX: (408) 848-2302

DATE
05-18-10
DESIGN JS/CW
DRAWN LW
CHECKED CP

ENGINEERING CERTIFICATION
REGISTERED PROFESSIONAL ENGINEER ANNA TA JENSEN No. 42321 CIVIL STATE OF CALIFORNIA
5/18/10
PROJECT ENGINEER DATE

Santa Clara Valley Water District
ACCEPTED BY DISTRICT
Dennis Cheong 6/1/10
DATE

PROJECT NAME AND SHEET DESCRIPTION:

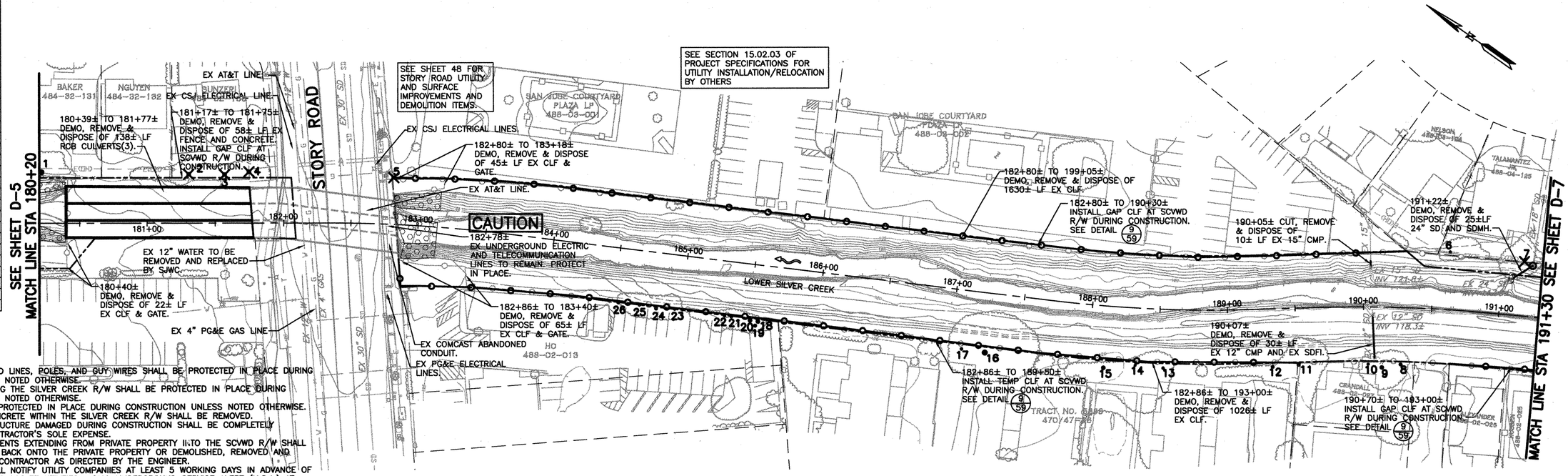
LOWER SILVER CREEK REACHES 4, 5 & 6A

EXISTING TOPOGRAPHY & DEMOLITION PLAN STA 171+20 TO 180+20

SCALE 1"=40'
VERIFY SCALES 0 1"
BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

PROJECT NUMBER 40264008
SHEET CODE: D-5
PAGE NUMBER: 9 OF 188

TREE TABLE		
No.	DESCR.	ACTION
1	36" PEPPER	TRIM
2	24" PEPPER	REMOVE
3	24" PEPPER	REMOVE
4	24" PEPPER	REMOVE
5	18" PALM	REMAIN
6	12" TREE	TRIM
7	18" TREE	TRIM
8	18" TREE	TRIM
9	24" TREE	TRIM
10	12" TREE	TRIM
11	18" TREE	TRIM
12	18" TREE	TRIM
13	15" TREE	TRIM
14	10" TREE	TRIM
15	24" TREE	TRIM
16	36" TREE	TRIM
17	15" TREE	TRIM
18	24" PALM	REMAIN
19	18" PALM	REMAIN
20	24" PALM	REMAIN
21	18" PALM	REMAIN
22	18" PALM	REMAIN
23	15" TREE	TRIM
24	18" PALM	REMAIN
25	15" TREE	TRIM
26	24" PALM	REMAIN



DEMOLITION NOTES:

1. ALL EXISTING OVERHEAD LINES, POLES, AND GUY WIRES SHALL BE PROTECTED IN PLACE DURING CONSTRUCTION UNLESS NOTED OTHERWISE.
2. ALL WF AND CLF ALONG THE SILVER CREEK R/W SHALL BE PROTECTED IN PLACE DURING CONSTRUCTION UNLESS NOTED OTHERWISE.
3. ALL TREES SHALL BE PROTECTED IN PLACE DURING CONSTRUCTION UNLESS NOTED OTHERWISE.
4. ALL RIP-RAP AND CONCRETE WITHIN THE SILVER CREEK R/W SHALL BE REMOVED.
5. ALL EXISTING INFRASTRUCTURE DAMAGED DURING CONSTRUCTION SHALL BE COMPLETELY RESTORED AT THE CONTRACTOR'S SOLE EXPENSE.
6. ALL PRIVATE IMPROVEMENTS EXTENDING FROM PRIVATE PROPERTY INTO THE SCVWD R/W SHALL EITHER BE RELOCATED BACK ONTO THE PRIVATE PROPERTY OR DEMOLISHED, REMOVED AND DISPOSED OF BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER.
7. THE CONTRACTOR SHALL NOTIFY UTILITY COMPANIES AT LEAST 5 WORKING DAYS IN ADVANCE OF CONSTRUCTION TO FIELD LOCATE UTILITIES. CALL UNDERGROUND SERVICE ALERT (U.S.A.) AT 1-800-227-2600. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXISTENCE AND LOCATION OF UTILITIES SHOWN ON THESE PLANS, INDICATED IN THE FIELD BY LOCATING SERVICES, OR EVIDENCED BY FACILITIES VISIBLE AT OR ADJACENT TO THE JOBSITE.

USERNAME: LWinter Thu 27 May 2010 04:57pm
FILENAME: W:\Jobs 09\092051\Drawings\Final\Plans\10 D-6 DEMO PLAN 6

9026-92999

DOCUMENT NUMBER: CAD_XX-X-XXXX-XXXXX

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

RJA
RUGGERI-JENSEN-AZAR
ENGINEERS • PLANNERS • SURVEYORS
5000 CAMINO AMIGO GILROY, CA 95020
PHONE: (408) 848-3300 FAX: (408) 848-3302

DATE
05-18-10
DESIGN JS/CW
DRAWN LW
CHECKED CP

ENGINEERING CERTIFICATION
REGISTERED PROFESSIONAL ENGINEER CHRISTOPHER PHILLIP JENSEN 3-31-12 CIVIL STATE OF CALIFORNIA
PROJECT ENGINEER 5/18/10 DATE

Santa Clara Valley Water District
ACCEPTED BY DISTRICT
Dennis Cheong 6/1/10
DATE

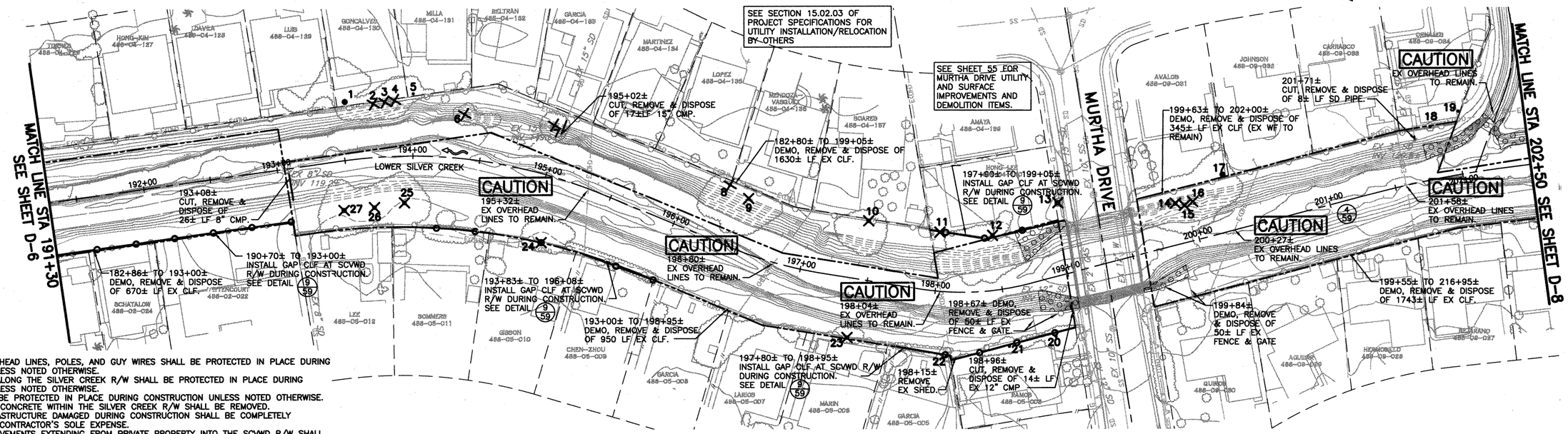
PROJECT NAME AND SHEET DESCRIPTION:

LOWER SILVER CREEK REACHES 4, 5 & 6A

EXISTING TOPOGRAPHY & DEMOLITION PLAN STA 180+20 TO 191+30

SCALE 1"=40'
VERIFY SCALES 0 1"
BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

PROJECT NUMBER 40264008
SHEET CODE: D-6
PAGE NUMBER: 10 OF 188



DEMOLITION NOTES:

1. ALL EXISTING OVERHEAD LINES, POLES, AND GUY WIRES SHALL BE PROTECTED IN PLACE DURING CONSTRUCTION UNLESS NOTED OTHERWISE.
2. ALL WF AND CLF ALONG THE SILVER CREEK R/W SHALL BE PROTECTED IN PLACE DURING CONSTRUCTION UNLESS NOTED OTHERWISE.
3. ALL TREES SHALL BE PROTECTED IN PLACE DURING CONSTRUCTION UNLESS NOTED OTHERWISE.
4. ALL RIP-RAP AND CONCRETE WITHIN THE SILVER CREEK R/W SHALL BE REMOVED.
5. ALL EXISTING INFRASTRUCTURE DAMAGED DURING CONSTRUCTION SHALL BE COMPLETELY RESTORED AT THE CONTRACTOR'S SOLE EXPENSE.
6. ALL PRIVATE IMPROVEMENTS EXTENDING FROM PRIVATE PROPERTY INTO THE SCVWD R/W SHALL EITHER BE RELOCATED BACK ONTO THE PRIVATE PROPERTY OR DEMOLISHED, REMOVED AND DISPOSED OF BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER.
7. THE CONTRACTOR SHALL NOTIFY UTILITY COMPANIES AT LEAST 5 WORKING DAYS IN ADVANCE OF CONSTRUCTION TO FIELD LOCATE UTILITIES. CALL UNDERGROUND SERVICE ALERT (U.S.A.) AT 1-800-227-2600. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXISTENCE AND LOCATION OF UTILITIES SHOWN ON THESE PLANS, INDICATED IN THE FIELD BY LOCATING SERVICES, OR EVIDENCED BY FACILITIES VISIBLE AT OR ADJACENT TO THE JOBSITE.

TREE TABLE

No.	DESCR.	ACTION
1	36" TREE	TRIM
2	12" TREE	REMOVE
3	12" TREE	REMOVE
4	12" TREE	REMOVE
5	8" ORANGE	TRIM
6	8" TREE	REMOVE
7	8" TREE	REMOVE
8	18" WALNUT	REMOVE
9	18" WALNUT	REMOVE

TREE TABLE

No.	DESCR.	ACTION
10	24" WALNUT	REMOVE
11	8" TREE	REMOVE
12	24" TREE	REMOVE
13	30" TREE	REMOVE
14	18" TREE	REMOVE
15	18" TREE	REMOVE
16	12" TREE	REMOVE
17	36" TREE	TRIM
18	8" TREE	TRIM

TREE TABLE

No.	DESCR.	ACTION
19	8" ORANGE	TRIM
20	8" TREE	TRIM
21	8" TREE	TRIM
22	8" TREE	TRIM
23	12" TREE	REMOVE
24	48" TREE	REMOVE
25	24" WALNUT	REMOVE
26	24" WALNUT	REMOVE
27	30" WALNUT	REMOVE

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

RJA
RUGGERI-JENSEN-AZAR
ENGINEERS • PLANNERS • SURVEYORS
5353 CHABOT ARROYO GILROY, CA 95020
PHONE: (408) 848-3300 FAX: (408) 848-3302

DATE 05-18-10
DESIGN JS/CW
DRAWN LW
CHECKED CP

ENGINEERING CERTIFICATION
REGISTERED PROFESSIONAL ENGINEER JOHN A. CHAO III No. 61321 CIVIL STATE OF CALIFORNIA
Exp. 6/31/12
PROJECT ENGINEER 5/18/10 DATE

Santa Clara Valley Water District

ACCEPTED BY DISTRICT
Dennis Chesney 6/1/10
DATE

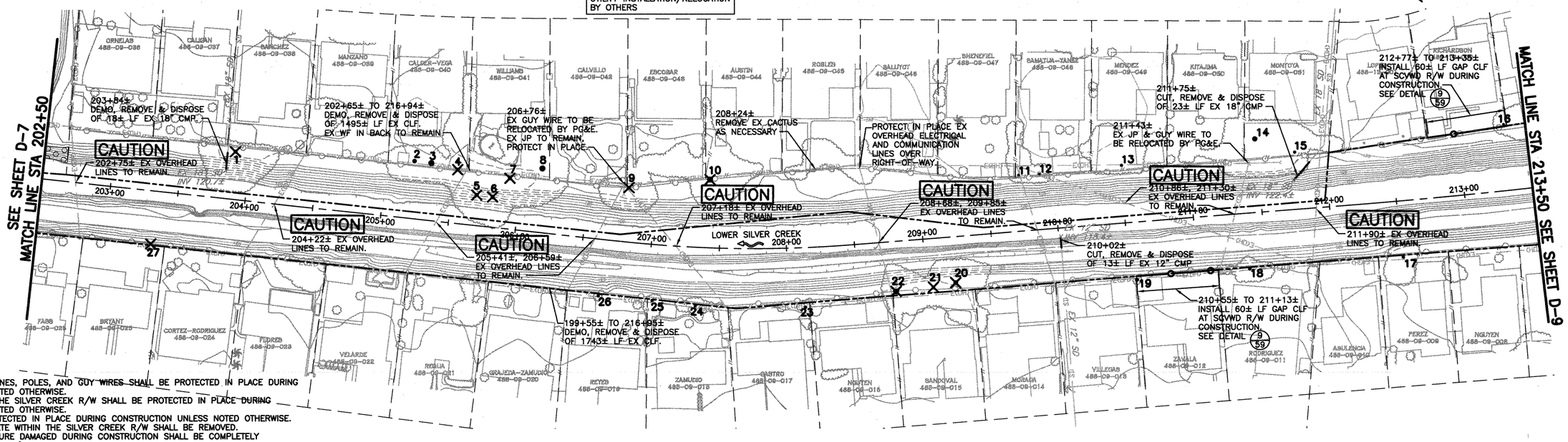
PROJECT NAME AND SHEET DESCRIPTION:
LOWER SILVER CREEK REACHES 4, 5 & 6A
EXISITING TOPOGRAPHY & DEMOLITION PLAN STA 191+30 TO 202+50

SCALE 1"=40'
VERIFY SCALES 0 1"
BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

PROJECT NUMBER 40264008
SHEET CODE: D-7
PAGE NUMBER: 11 OF 188

DOCUMENT NUMBER: CAD_XX-X-XXXX-XXXXX
USERNAME: LWinter Thu 27 May 2010 05:18pm
FILENAME: W:\Jobs 09\092051\Drawings\Final\Plans\11 D-7 DEMO PLAN 7
4026-43000

TREE TABLE		
No.	DESCR.	ACTION
1	18" TREE	REMOVE
2	24" TREE	TRIM
3	36" TREE	TRIM
4	12" TREE	REMOVE
5	20" TREE	REMOVE
6	20" TREE	REMOVE
7	20" TREE	REMOVE
8	36" TREE	TRIM
9	24" TREE	REMOVE
10	18" TREE	REMOVE
11	8" TREE	TRIM
12	8" TREE	TRIM
13	12" TREE	TRIM
14	36" TREE	TRIM
15	15" TREE	TRIM
16	8" TREE	TRIM
17	12" TREE	TRIM
18	8" TREE	TRIM
19	12" TREE	TRIM
20	24" WALNUT	REMOVE
21	12" TREE	REMOVE
22	30" TREE	REMOVE
23	8" ORANGE	TRIM
24	8" TREE	TRIM
25	12" TREE	TRIM
26	12" TREE	TRIM
27	10" TREE	REMOVE



DEMOLITION NOTES:

1. ALL EXISTING OVERHEAD LINES, POLES, AND GUY WIRES SHALL BE PROTECTED IN PLACE DURING CONSTRUCTION UNLESS NOTED OTHERWISE.
2. ALL WF AND CLF ALONG THE SILVER CREEK R/W SHALL BE PROTECTED IN PLACE DURING CONSTRUCTION UNLESS NOTED OTHERWISE.
3. ALL TREES SHALL BE PROTECTED IN PLACE DURING CONSTRUCTION UNLESS NOTED OTHERWISE.
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5. ALL EXISTING INFRASTRUCTURE DAMAGED DURING CONSTRUCTION SHALL BE COMPLETELY RESTORED AT THE CONTRACTOR'S SOLE EXPENSE.
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USERNAME: LWinter Thu 27 May 2010 05:23pm
FILENAME: W:\Jobs 09\092051\Drawings\Final\Plans\12 D-8 DEMO PLAN 8

DOCUMENT NUMBER: CAD_XX-X-XXXX-XXXXX 4026-43001

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

RJA
RUGGERI-JENSEN-AZAR
ENGINEERS • PLANNERS • SURVEYORS
3020 CAMINO ARROYO GILROY, CA 95020
PHONE: (408) 848-3300 FAX: (408) 848-3303

DATE	ENGINEERING CERTIFICATION
05-18-10	
DESIGN JS/CW	
DRAWN LW	
CHECKED CP	6/18/10
	PROJECT ENGINEER DATE

Santa Clara Valley Water District

ACCEPTED BY DISTRICT

Dennis Cheung 6/1/10
DATE

PROJECT NAME AND SHEET DESCRIPTION:

LOWER SILVER CREEK REACHES 4, 5 & 6A

EXISTING TOPOGRAPHY & DEMOLITION PLAN STA 202+50 TO 213+50

SCALE 1"=40'

VERIFY SCALES 0 1"
BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

PROJECT NUMBER 40264008

SHEET CODE: D-8

PAGE NUMBER: 12 OF 188

DEMOLITION NOTES:

1. ALL EXISTING OVERHEAD LINES, POLES, AND GUY WIRES SHALL BE PROTECTED IN PLACE DURING CONSTRUCTION UNLESS NOTED OTHERWISE.
2. ALL WF AND CLF ALONG THE SILVER CREEK R/W SHALL BE PROTECTED IN PLACE DURING CONSTRUCTION UNLESS NOTED OTHERWISE.
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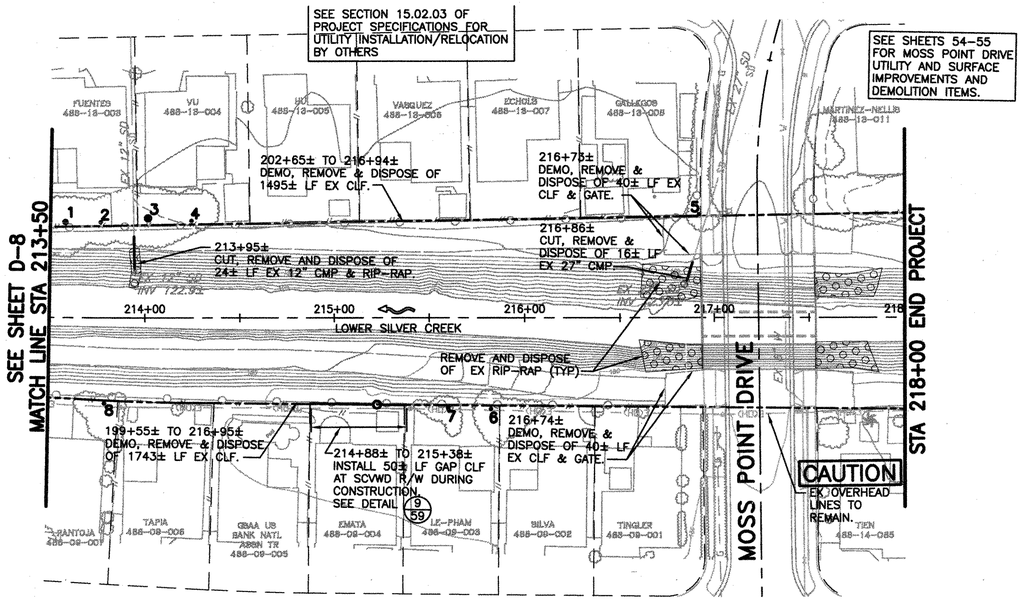
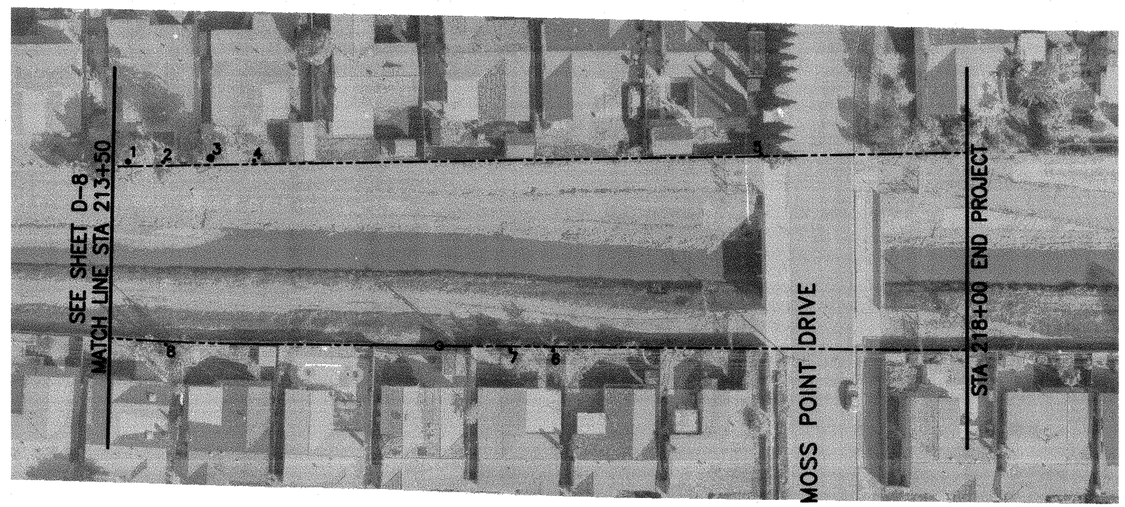
TREE TABLE		
No.	DESCR.	ACTION
1	24" TREE	TRIM
2	10" TREE	TRIM
3	36" TREE	TRIM
4	18" TREE	TRIM
5	12" TREE	TRIM
6	8" TREE	TRIM
7	8" TREE	TRIM
8	8" ORANGE	TRIM





REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

RJA RUGGERI-JENSEN-AZAR ENGINEERS • PLANNERS • SURVEYORS 5353 DERBY STREET, SUITE A, PLEASANTON, CA 94566 PHONE: (925) 846-0200 FAX: (925) 846-1062

DATE 05-18-10 | DESIGN JS/CW | DRAWN LW | CHECKED CP

ENGINEERING CERTIFICATION — REGISTERED PROFESSIONAL ENGINEER ARMIN R. JENSEN No. 33112 CIVIL STATE OF CALIFORNIA — PROJECT ENGINEER — DATE 5/18/10

Santa Clara Valley Water District

ACCEPTED BY DISTRICT — Dennis Cheung — DATE 6/1/10

PROJECT NAME AND SHEET DESCRIPTION:

LOWER SILVER CREEK REACHES 4, 5 & 6A

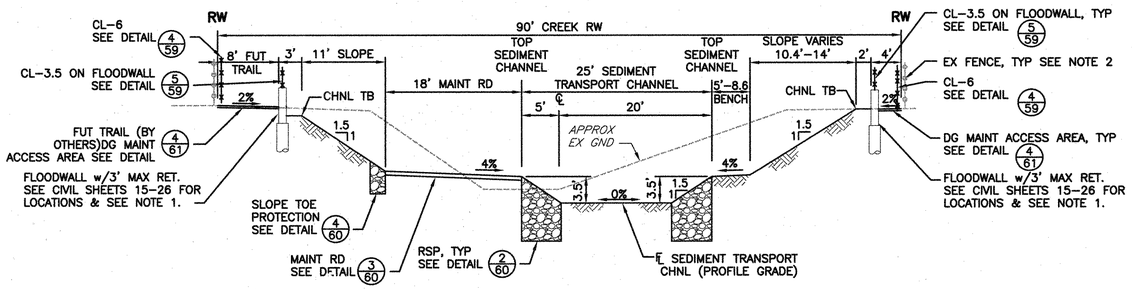
EXISTING TOPOGRAPHY & DEMOLITION PLAN STA 213+50 TO 218+00

SCALE 1"=40' | VERIFY SCALES 0 1" BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

PROJECT NUMBER 40264008 | SHEET CODE: D-9 | PAGE NUMBER: 13 OF 188

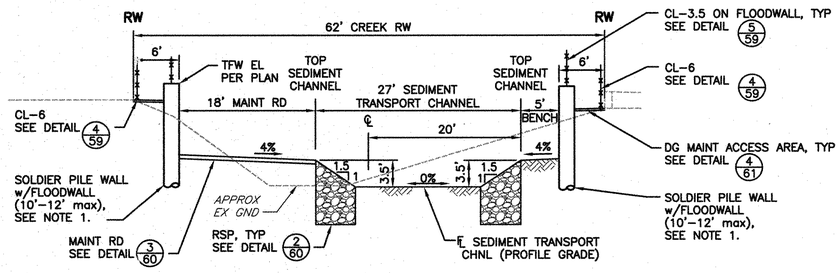
DOCUMENT NUMBER: CAD_XX-X-XXXX-XXXXX 9026-93002

USERNAME: LWinter Thu 27 May 2010 05:28pm
FILENAME: W:\Jobs 09\092051\Drawings\Final\Plans\13 D-9 DEMO PLAN 9



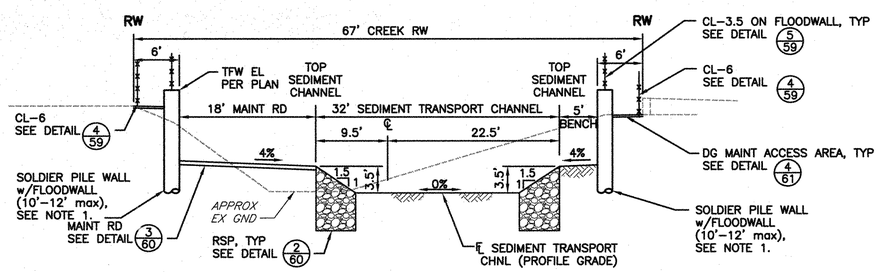
SECTION A/14 TYPICAL SECTION

STA 133+40.16 TO STA 153+08.25
(BETWEEN JACKSON AVE & CAPITOL EXPWY)
SCALE: 1"=10'



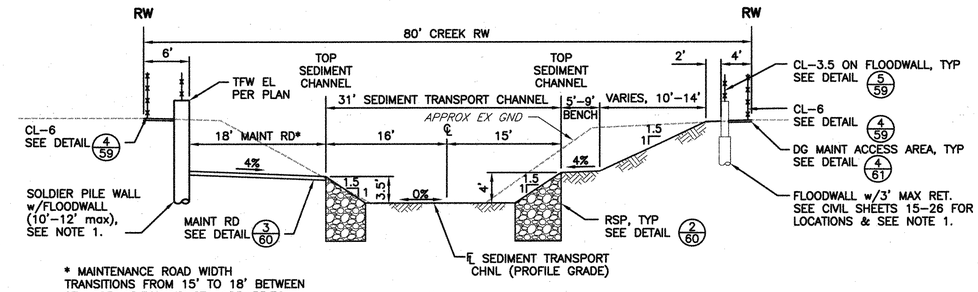
SECTION B/14 TYPICAL SECTION

STA 158+22.28 TO STA 170+07.25
(BETWEEN CAPITOL EXPWY & N BABB CREEK)
SCALE: 1"=10'



SECTION C/14 TYPICAL SECTION

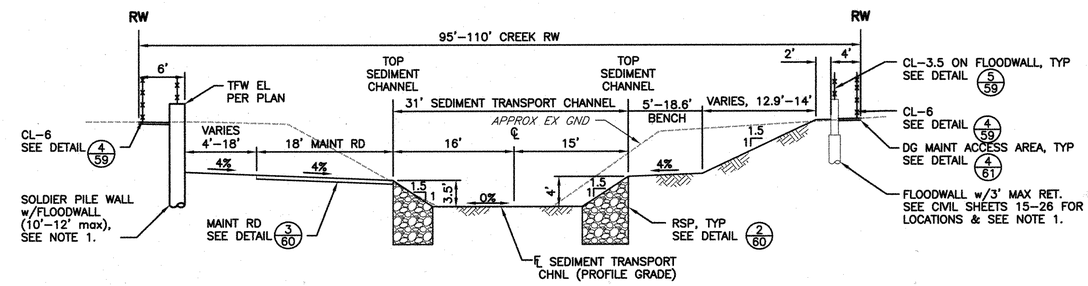
STA 172+10.00 TO STA 180+45.18
(BETWEEN N BABB CREEK & STORY RD)
SCALE: 1"=10'



* MAINTENANCE ROAD WIDTH TRANSITIONS FROM 15' TO 18' BETWEEN STA 185+15.70 AND STA 185+35.70

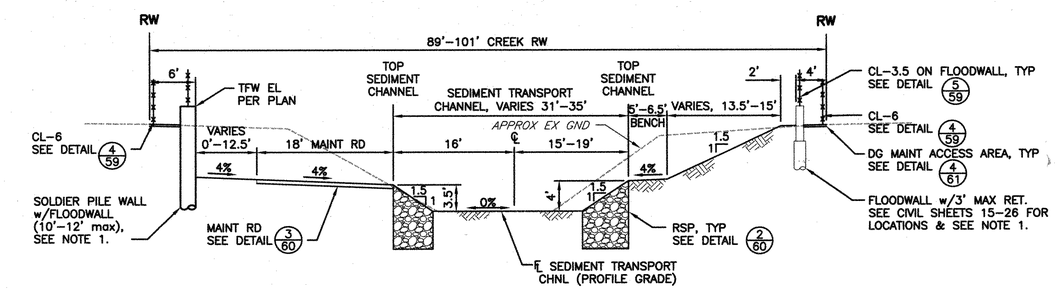
SECTION D/14 TYPICAL SECTION

STA 184+64.69 TO STA 193+11.20,
STA 201+41.72 TO STA 206+73.34 &
STA 209+47.70 TO STA 212+02.57
(BETWEEN STORY RD & MOSS POINT DR)
SCALE: 1"=10'



SECTION E/14 TYPICAL SECTION

STA 193+11.20 TO STA 197+38.92 &
STA 206+73.34 TO STA 209+47.70
(BETWEEN STORY RD & MOSS POINT DR)
SCALE: 1"=10'



SECTION F/14 TYPICAL SECTION

STA 212+02.57 TO STA 215+20.52
(BETWEEN MURTHA DR & MOSS POINT DR)
SCALE: 1"=10'

SECTIONS

NOTES:
1. SEE STRUCTURAL PLANS FOR RETAINING WALL, FLOODWALL AND SOLDIER PILE WALL DETAILS.
2. SEE CIVIL DEMOLITION PLAN SHEETS 5-13 FOR EX FENCE REPLACEMENT LOCATIONS AND TEMPORARY CONSTRUCTION FENCE LOCATIONS.

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

RJA RUGGERI-JENSEN-AZAR
ENGINEERS • PLANNERS • SURVEYORS
8000 CAMINO ARROYO GILROY, CA 95020
PHONE: (408) 848-0300 FAX: (408) 848-0302

DATE 05-18-10
DESIGN JS/CW
DRAWN LW
CHECKED CP

ENGINEERING CERTIFICATION
REGISTERED PROFESSIONAL ENGINEER KENNETH D. JENSEN No. 35811 Exp. 3-31-12 CIVIL STATE OF CALIFORNIA
PROJECT ENGINEER 5/18/10 DATE

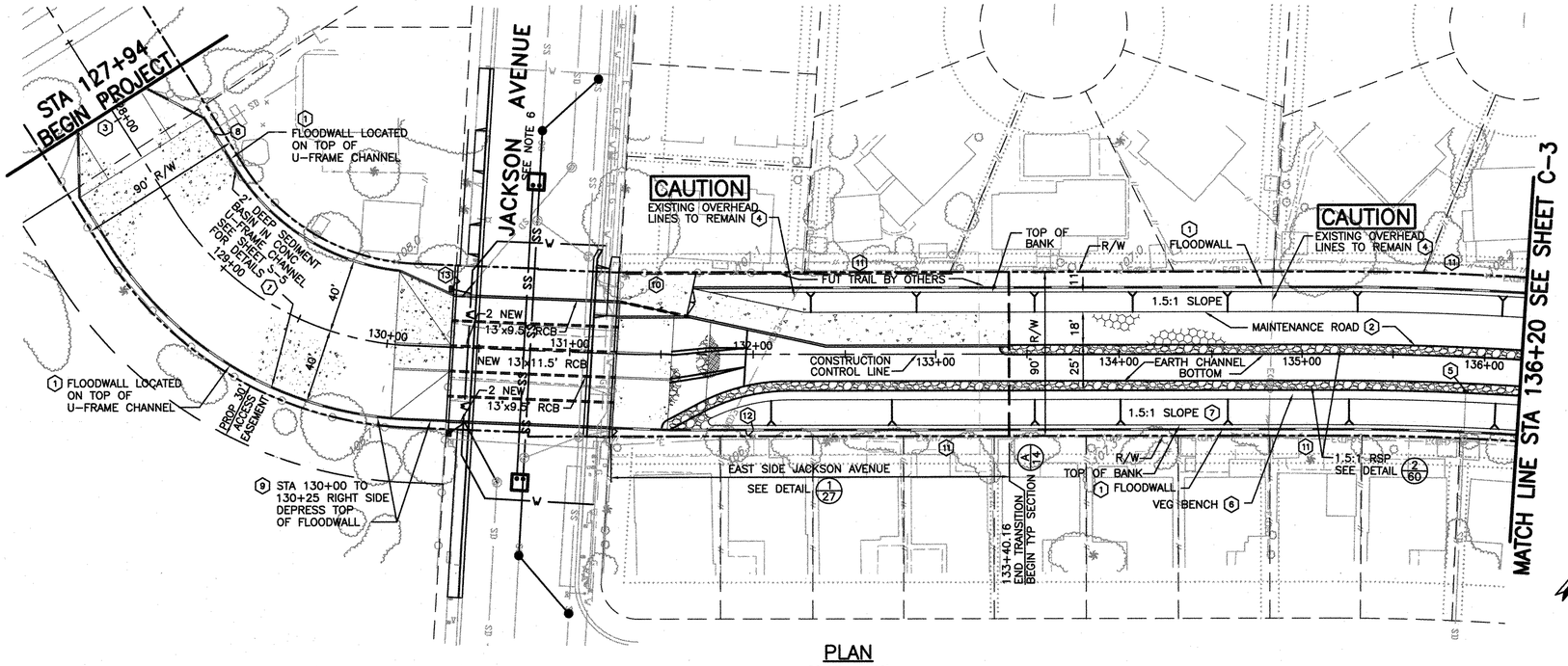
Santa Clara Valley Water District
ACCEPTED BY DISTRICT
Dennis Cheung 6/1/10
DATE

PROJECT NAME AND SHEET DESCRIPTION:
LOWER SILVER CREEK REACHES 4, 5 & 6A
TYPICAL SECTIONS – CHANNEL

SCALE: AS SHOWN
VERIFY SCALES 0 1"
BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

PROJECT NUMBER 40264008
SHEET CODE: C-1
PAGE NUMBER: 14 OF 188

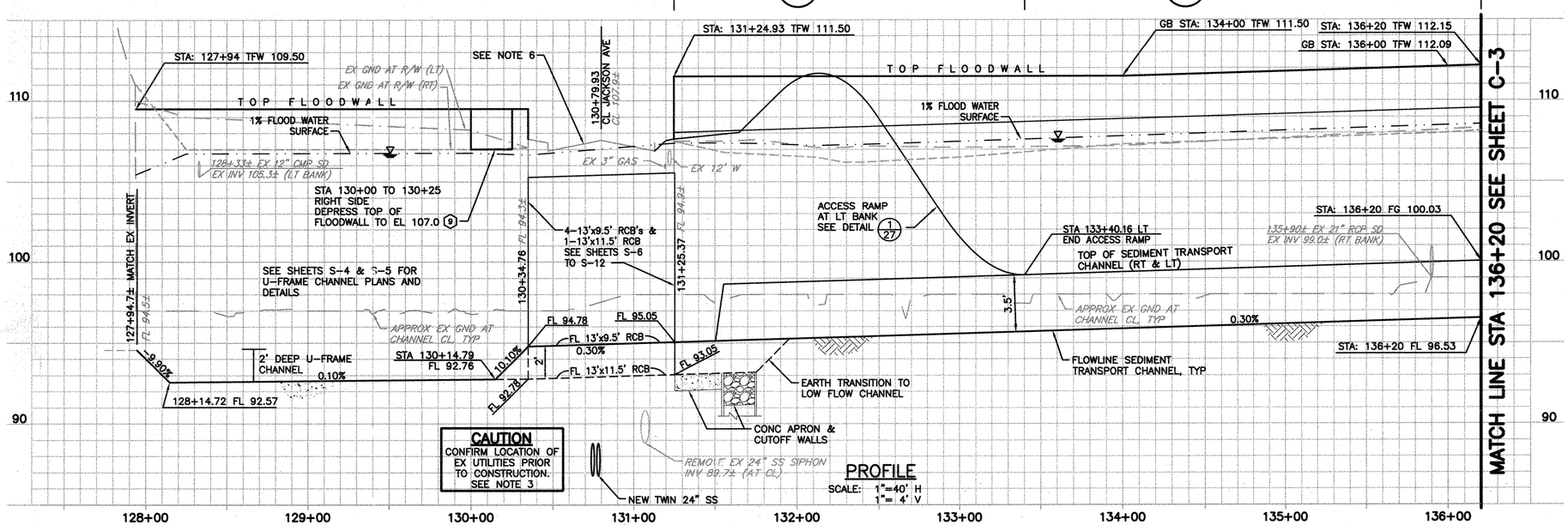
USERNAME: LWinter Wed 19 May 2010 01:41pm
FILENAME: W:\Jobs 09\09205\\Drawings\Final\Plans\14 C-1 TYP SECT-CHANNEL
4026 - 43003
DOCUMENT NUMBER: CAD_XX-X-XXXX-XXXXX



PLAN

SCALE: 1"=40'

SEE 1/27 FOR PLAN DETAIL — SEE A/14 FOR TYPICAL SECTION



CAUTION
CONFIRM LOCATION OF EX UTILITIES PRIOR TO CONSTRUCTION. SEE NOTE 3

PROFILE

SCALE: 1"=40' H
1"= 4' V

NOTES:

1. SEE DEMOLITION PLAN SHEET 5 FOR REMOVAL OF EXISTING IMPROVEMENTS.
2. ALL OFFSET DISTANCES ARE MEASURED FROM THE CONSTRUCTION CONTROL LINE OF THE CHANNEL. SEE SHEETS 63–73 FOR CONTROL LINE LAYOUT.
3. EXISTING UTILITY LOCATIONS SHOWN ON PLANS ARE APPROXIMATE. CONTRACTOR SHALL LOCATE ALL EXISTING OVERHEAD AND UNDERGROUND UTILITY LINES AND POLES PRIOR TO CONSTRUCTION. CONTRACTOR TO COORDINATE WITH UTILITY COMPANIES SO THAT FLOODWALL PILES AND OTHER CONSTRUCTION ACTIVITIES DO NOT CONFLICT WITH EXISTING UTILITIES.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR COST OF REPLACEMENT OF ANY DAMAGED UTILITIES THAT ARE NOT CALLED OUT TO BE REMOVED.
5. ALL AREAS WITHIN DISTRICT RIGHT–OF–WAY SHALL BE GRADED SUCH THAT ALL RUNOFF DRAINS INTO THE CHANNEL.
6. SEE SHEETS 28–33 FOR JACKSON AVENUE IMPROVEMENTS, UTILITIES AND TRAFFIC CONTROL.
7. SEE SHEET 74 FOR CHANNEL CROSS–SECTIONS AT 100 FOOT INTERVALS.

1. SEE STRUCTURAL PLANS FOR RETAINING WALL, FLOODWALL, WINGWALL & CONCRETE APRON DETAILS.
2. 18' WIDE MAINTENANCE ROAD. SEE DETAIL 3/60
3. REACH 4 BEGINNING STATION IS APPROXIMATE. CONFORM TO EX STRUCTURE.
4. STA 132+06±, 134+83± PROTECT IN PLACE EX OVERHEAD UTILITY LINES (ELEC, PHONE & CABLE), UTILITY POLES AND GUY ANCHORS.
5. STA 135+90.5± 19.0' RT
   END OF EX 21" RCP SD
   EX INV 99.0± SEE DETAIL 7/60
6. VEGETATED BENCH WIDTH VARIES 5'–8.6'. SEE CHANNEL CROSS–SECTIONS ON SHEET 74 FOR BENCH DIMENSIONS.
7. SLOPE WIDTH VARIES 10.4'–14'. SEE CHANNEL CROSS–SECTIONS ON SHEETS 74–84 FOR SLOPE DIMENSIONS.
8. STA 128+32.8± 40.0' LT
   END OF EX 12" CMP SD
   EX INV 105.3± SEE DETAIL 8/60
9. STA 130+00 TO 130+25 RIGHT SIDE
   DEPRESS TOP OF FLOODWALL TO EL 107.0 TO PROVIDE OVERLAND RELEASE OF UPSTREAM FLOODWATERS. FLOODWALL TO BE RESTORED TO EL 109.5 WITH THE COMPLETION OF REACH 6 AND LAKE CUNNINGHAM IMPROVEMENTS.
10. 24'x40' CONCRETE CRANE PAD. SEE DETAIL 1/27
11. AT COMPLETION OF CONSTRUCTION, INSTALL NEW CLF–6 0.5' FROM SCVWD R/W ALONG ENTIRE CREEK FRONTAGE. SEE DETAIL 4/59
12. STA 132+00 42' RT 4' WIDE SINGLE SWING GATE IN CL–3.5 FENCE SEE DETAIL 2/59
13. STA 130+35.3 39' LT 4' WIDE SINGLE SWING GATE IN CL–6 FENCE SEE DETAIL 2/59

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

RJA
RUGGERI-JENSEN-AZAR
ENGINEERS • PLANNERS • SURVEYORS
8605 SANTA MONICA BLVD. GILROY, CA 95020
PHONE: (408) 848-3300 FAX: (408) 848-3301

DATE	ENGINEERING CERTIFICATION
05-18-10	REGISTERED PROFESSIONAL ENGINEER — ARMANDO C. PEREZ — No. C 31312 — CIVIL — STATE OF CALIFORNIA — 5/18/10
DESIGN JS/CW	
DRAWN LW	
CHECKED CP	PROJECT ENGINEER DATE

Santa Clara Valley Water District

ACCEPTED BY DISTRICT
Dennis Cheong 6/1/10
DATE

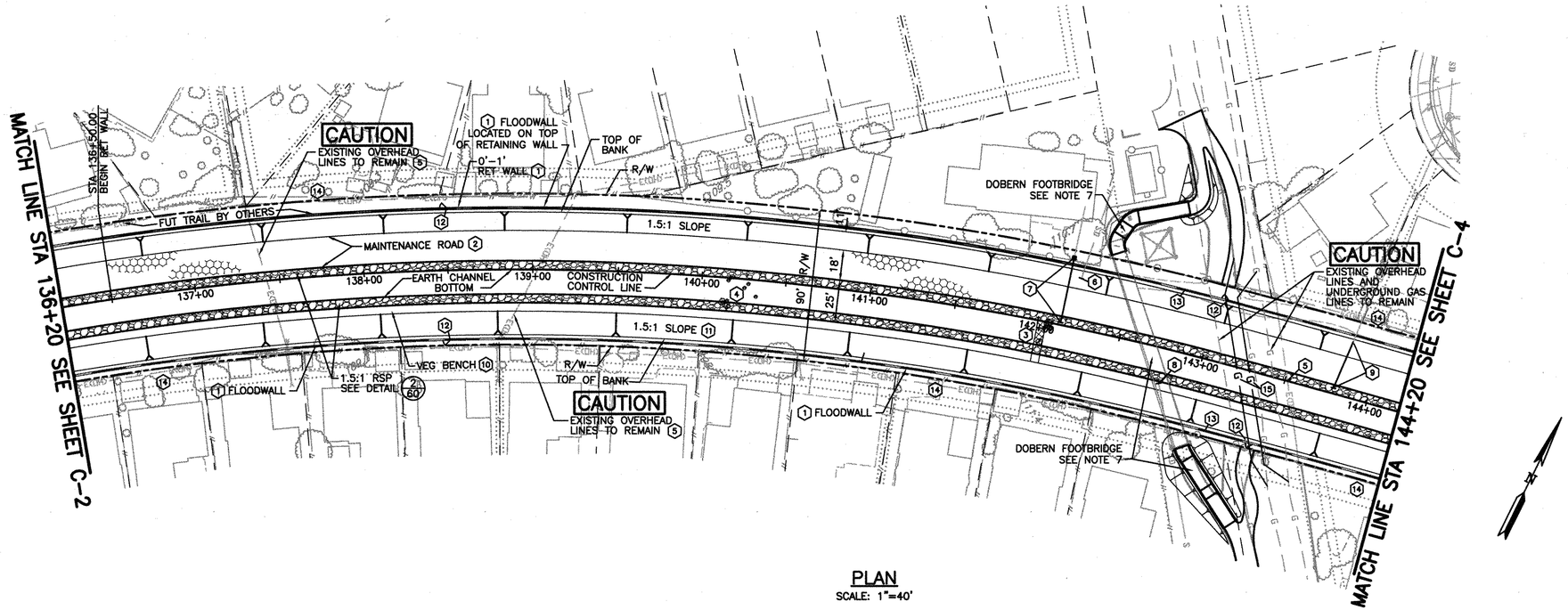
PROJECT NAME AND SHEET DESCRIPTION:

LOWER SILVER CREEK REACHES 4, 5 & 6A

PLAN & PROFILE STA 127+94 TO 136+20

SCALE	PROJECT NUMBER
AS SHOWN	40264008
VERIFY SCALES 0 1" BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	SHEET CODE: C-2
	PAGE NUMBER: 15 OF 188

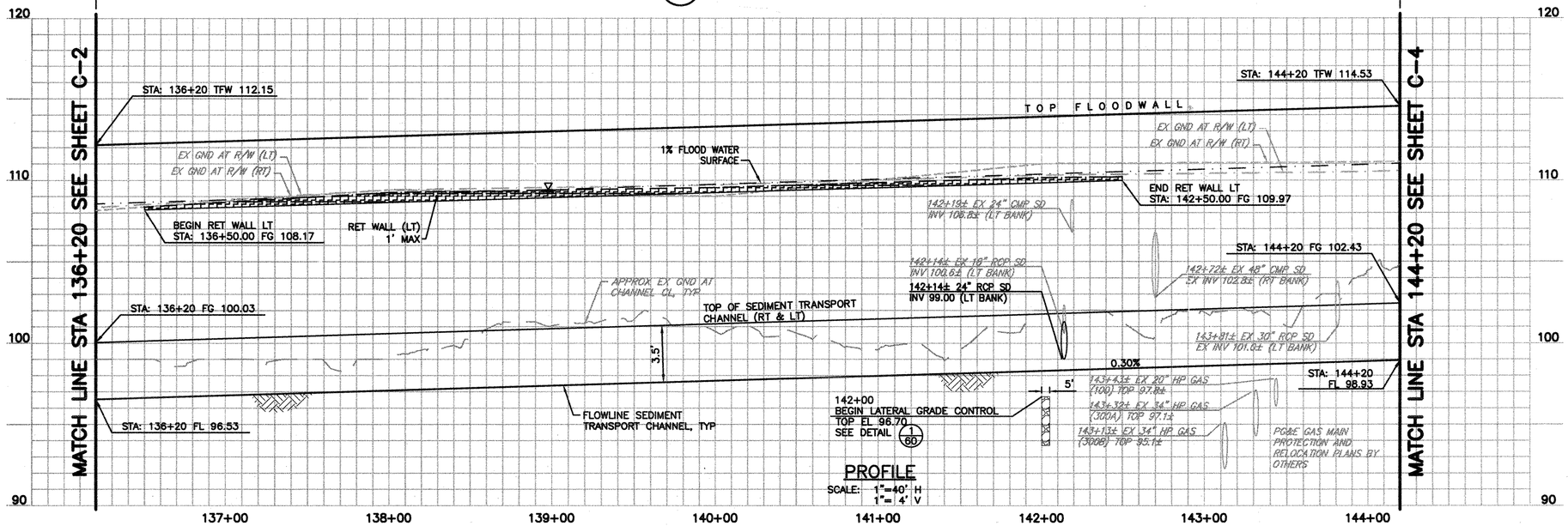
DOCUMENT NUMBER: CAD_XX-X-XXXX-XXXXX
USERNAME: LWinter Thu 20 May 2010 08:28am
FILENAME: W:\Jobs 09\092051\Drawings\Final\Plans\15 C-2 PLAN & PROF 1
40264008



PLAN

SCALE: 1"=40'

SEE A/14 FOR TYPICAL SECTION



PROFILE

SCALE: 1"=40' H
1"= 4' V

NOTES:

1. SEE DEMOLITION PLAN SHEETS 5–6 FOR REMOVAL OF EXISTING IMPROVEMENTS.
2. ALL OFFSET DISTANCES ARE MEASURED FROM THE CONSTRUCTION CONTROL LINE OF THE CHANNEL. SEE SHEETS 63–73 FOR CONTROL LINE LAYOUT.
3. EXISTING UTILITY LOCATIONS SHOWN ON PLANS ARE APPROXIMATE. CONTRACTOR SHALL LOCATE ALL EXISTING OVERHEAD AND UNDERGROUND UTILITY LINES AND POLES PRIOR TO CONSTRUCTION. CONTRACTOR TO COORDINATE WITH UTILITY COMPANIES SO THAT FLOODWALL PILES AND OTHER CONSTRUCTION ACTIVITIES DO NOT CONFLICT WITH EXISTING UTILITIES.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR COST OF REPLACEMENT OF ANY DAMAGED UTILITIES THAT ARE NOT CALLED OUT TO BE REMOVED.
5. ALL AREAS WITHIN DISTRICT RIGHT–OF–WAY SHALL BE GRADED SUCH THAT ALL RUNOFF DRAINS INTO THE CHANNEL.
6. SEE SHEET 75 FOR CREEK CROSS–SECTIONS AT 100 FOOT INTERVALS.
7. DOBERN FOOTBRIDGE IS TO BE RAISED AND ASSOCIATED IMPROVEMENTS DESIGNED AND CONSTRUCTED ONLY IF AUTHORIZED BY SCVWD. IMPROVEMENTS ON SHEET 34 ARE SHOWN FOR INFORMATION ONLY.
8. SEE SHEET 34 FOR GAS MAIN RELOCATION.

1. SEE STRUCTURAL PLANS FOR RETAINING WALL, FLOODWALL, WINGWALL & CONCRETE APRON DETAILS.
2. 18' WIDE MAINTENANCE ROAD. SEE DETAIL 3/60
3. STA 142+00–142+05 CONSTRUCT 5' WIDE LATERAL GRADE CONTROL STRUCTURE. SEE DETAIL 1/60
4. 1/2–1 TON BOULDERS. SEE LANDSCAPE SHEETS FOR DETAILS AND LOCATION.
5. STA 137+42±, 139+03±, 143+52± PROTECT IN PLACE EX OVERHEAD UTILITY LINES (ELEC, PHONE & CABLE), UTILITY POLES AND GUY ANCHORS.
6. STA 142+20.5± 23.4' LT
   END OF EX 24" CMP SD
   EX INV 108.8±
   SEE DETAIL 5/60
7. STA 142+14.0± 40.5' LT CONNECT TO EX 18" RCP SD & INSTALL FIELD INLET, CHRISTY U21 OR APPROVED EQUAL.
   EX INV 18" RCP 100.6± AT SDFI CONNECTION
   INV 24" SD 100.00 AT SDFI
   INSTALL 39 LF 24" SD AND EXTEND TO FACE OF RSP
   INV 24" SD 99.00 AT END
   SEE DETAIL 7/60
8. STA 142+78.6± 21.1' RT
   END OF EX 48" CMP SD
   EX INV 102.8±
   SEE DETAIL 5/60
9. STA 143+82.6± 32.4' RT CONNECT TO END OF EX 30" RCP
   EXTEND PIPE 30± LF TO FACE OF RSP
   EX INV 101.0± AT CONNECTION
   INV 100.8 AT END
   SEE DETAIL 7/60
10. VEGETATED BENCH WISTH VARIES 5'–8.6'. SEE CHANNEL CROSS–SECTIONS ON SHEET 75 FOR BENCH DIMENSIONS.
11. SLOPE WIDTH VARIES 10.4'–14'. SEE CHANNEL CROSS–SECTIONS ON SHEET 75 FOR SLOPE DIMENSIONS.
12. STA 138+50 37' LT & 42' RT, 143+06 37' LT, 143+42 42' RT
    4' WIDE SINGLE SWING GATE IN CL–3.5 FENCE
    SEE DETAIL 2/59
13. STA 142+30 TO 143+50 LEFT SIDE AND
    STA 142+50 TO 144+00 RIGHT SIDE
    CONSTRUCT FLOODWALL WHEN PG&E GAS TRANSMISSION MAIN RELOCATION IS COMPLETE AND BRIDGE IS RAISED.
14. AT COMPLETION OF CONSTRUCTION, INSTALL NEW CLF–6 0.5' FROM SCVWD R/W ALONG ENTIRE CREEK FRONTAGE.
    SEE DETAIL 1/59
15. STA 143+21 AND 143+28
    APPROXIMATE LOCATION OF RELOCATED GAS MAIN. PG&E IS RESPONSIBLE FOR GAS MAIN DESIGN AND RELOCATION. CONTRACTOR SHALL COORDINATE CONSTRUCTION OPERATIONS WITH PG&E AND PROTECT PG&E GAS FACILITIES FROM DAMAGE.

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

RJA
RUGGERI-JENSEN-AZAR
ENGINEERS • PLANNERS • SURVEYORS
8055 CAMINO ARROYO GILROY, CA 95020
PHONE (408) 848-3300 FAX (408) 848-3302

DATE	ENGINEERING CERTIFICATION
05–18–10	REGISTERED PROFESSIONAL ENGINEER RAMIRO P. JENSEN JR. Exp. 3-31-12 CIVIL STATE OF CALIFORNIA
DESIGN JS/CW	
DRAWN LW	
CHECKED CP	5/18/10 PROJECT ENGINEER DATE

Santa Clara Valley Water District

ACCEPTED BY DISTRICT

Dennis Cheong 6/1/10
DATE

PROJECT NAME AND SHEET DESCRIPTION:

LOWER SILVER CREEK REACHES 4, 5 & 6A

PLAN & PROFILE STA 136+20 TO 144+20

SCALE	PROJECT NUMBER
AS SHOWN	40264008
VERIFY SCALES 0 1" BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	SHEET CODE: C–3
	PAGE NUMBER: 16 OF 188

DOCUMENT NUMBER: CAD_XX–X–XXXX–XXXXX

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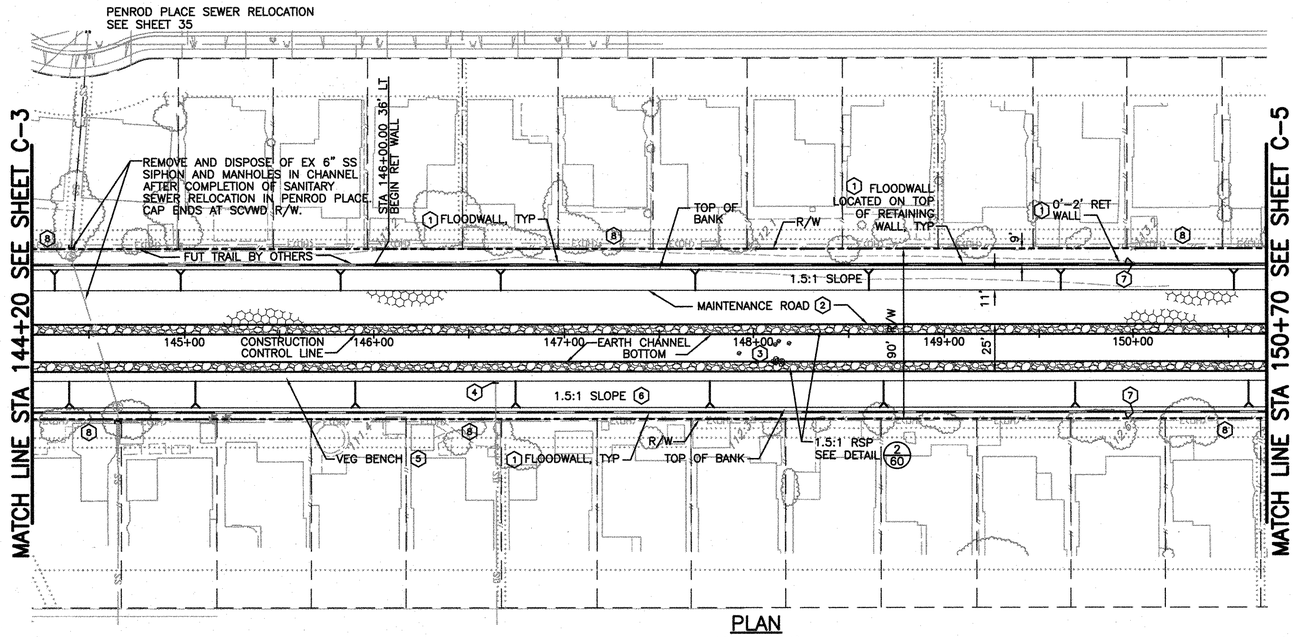
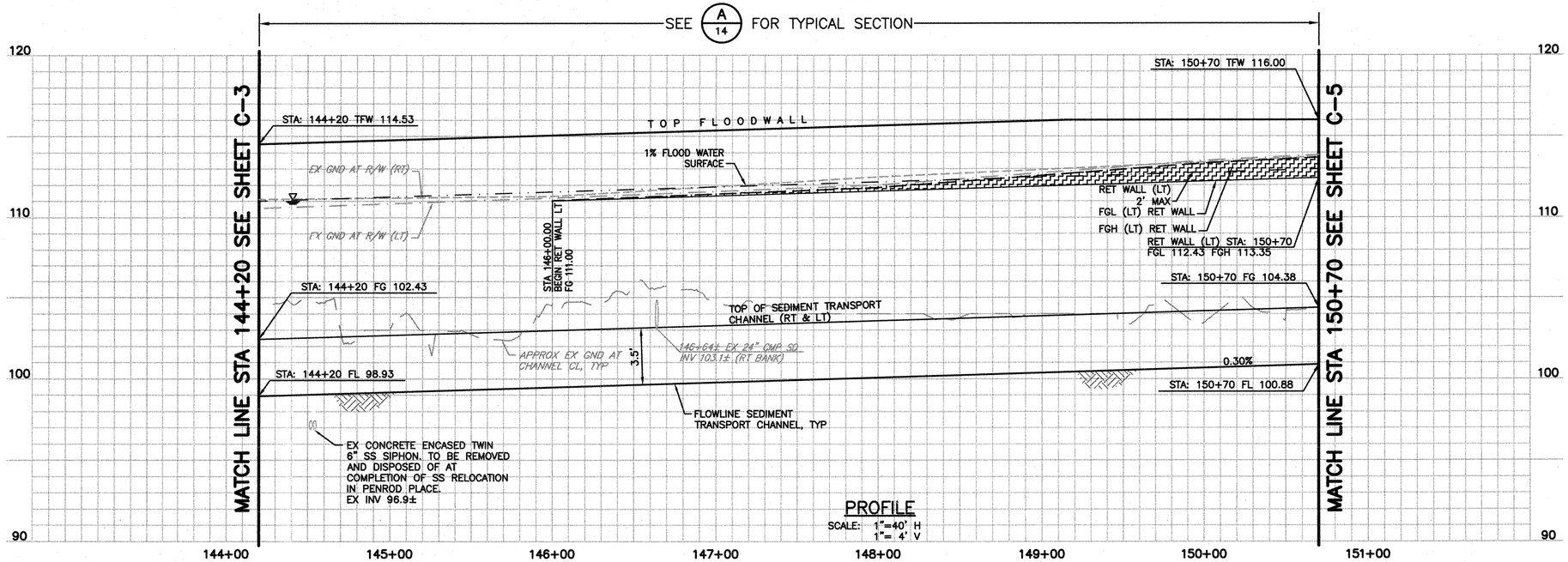
4026-43005



PLAN

SCALE: 1"=40'



PROFILE

SCALE: 1"=40' H
1"= 4' V

NOTES:

1. SEE DEMOLITION PLAN SHEETS 6–7 FOR REMOVAL OF EXISTING IMPROVEMENTS.
2. ALL OFFSET DISTANCES ARE MEASURED FROM THE CONSTRUCTION CONTROL LINE OF THE CHANNEL. SEE SHEETS 63–73 FOR CONTROL LINE LAYOUT.
3. EXISTING UTILITY LOCATIONS SHOWN ON PLANS ARE APPROXIMATE. CONTRACTOR SHALL LOCATE ALL EXISTING OVERHEAD AND UNDERGROUND UTILITY LINES AND POLES PRIOR TO CONSTRUCTION. CONTRACTOR TO COORDINATE WITH UTILITY COMPANIES SO THAT FLOODWALL PILES AND OTHER CONSTRUCTION ACTIVITIES DO NOT CONFLICT WITH EXISTING UTILITIES.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR COST OF REPLACEMENT OF ANY DAMAGED UTILITIES THAT ARE NOT CALLED OUT TO BE REMOVED.
5. ALL AREAS WITHIN DISTRICT RIGHT–OF–WAY SHALL BE GRADED SUCH THAT ALL RUNOFF DRAINS INTO THE CHANNEL.
6. SEE SHEET 35 FOR PENROD PLACE SEWER RELOCATION PLAN.
7. SEE SHEET 76 FOR CREEK CROSS–SECTIONS AT 100 FOOT INTERVALS.

1. SEE STRUCTURAL PLANS FOR RETAINING WALL, FLOODWALL, WINGWALL & CONCRETE APRON DETAILS.
2. 18' WIDE MAINTENANCE ROAD. SEE DETAIL 3/60
3. 1/2–1 TON BOULDERS. SEE LANDSCAPE SHEETS FOR DETAILS AND LOCATION.
4. STA 146+64.0± 25.0' RT
   END OF EX 24" CMP SD
   EX INV 103.1±
   SEE DETAIL 5/60
5. VEGETATED BENCH WIDTH VARIES 5'–8.6'. SEE CHANNEL CROSS–SECTIONS ON SHEET 76 FOR BENCH DIMENSIONS.
6. SLOPE WIDTH VARIES 10.4'–14'. SEE CHANNEL CROSS–SECTIONS ON SHEET 76 FOR SLOPE DIMENSIONS.
7. STA 150+00 37' LT & 42' RT
   4' WIDE SINGLE SWING GATE IN CL–3.5 FENCE
   SEE DETAIL 2/59
8. AT COMPLETION OF CONSTRUCTION, INSTALL NEW CLF–6 0.5' FROM SCVWD R/W ALONG ENTIRE CREEK FRONTAGE
   SEE DETAIL 4/59

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

RJA
RUGGERI-JENSEN-AZAR
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8055 CAMINO ARROYO GILROY, CA 95020
PHONE: (408) 848-5300 FAX: (408) 848-5302

DATE	
05–18–10	
DESIGN	JS/CW
DRAWN	LW
CHECKED	CP

ENGINEERING CERTIFICATION
REGISTERED PROFESSIONAL ENGINEER ARMANDO LA APE JR. NO. C 37 EXP. 2-31-12 CIVIL STATE OF CALIFORNIA
5/18/10
PROJECT ENGINEER DATE

Santa Clara Valley Water District
ACCEPTED BY DISTRICT
Dennis Cheung 6/1/10
DATE

PROJECT NAME AND SHEET DESCRIPTION:

LOWER SILVER CREEK REACHES 4, 5 & 6A

PLAN & PROFILE STA 144+20 TO 150+70

SCALE	PROJECT NUMBER
AS SHOWN	40264008
VERIFY SCALES 0 1" BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	SHEET CODE: C–4
	PAGE NUMBER: 17 OF 188

DOCUMENT NUMBER: CAD_XX–X–XXXX–XXXXX

4026 - 43006

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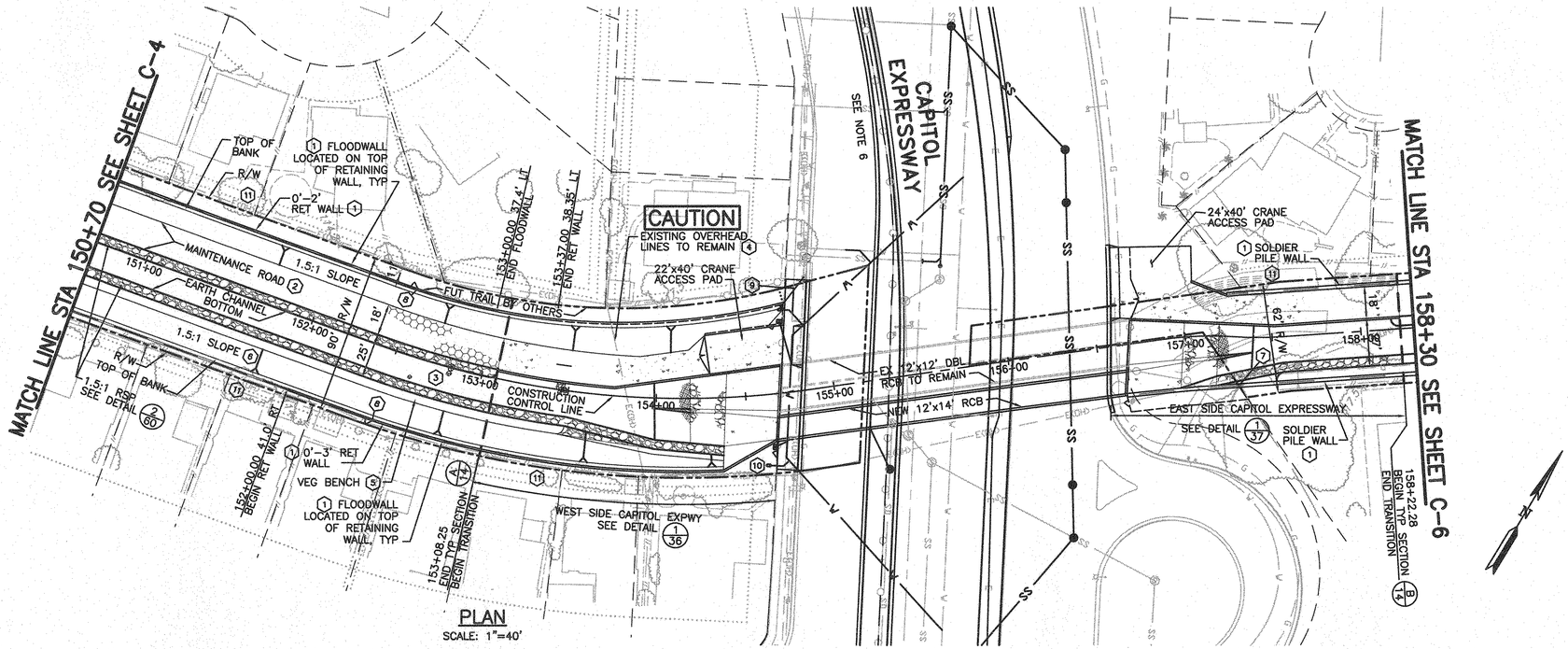

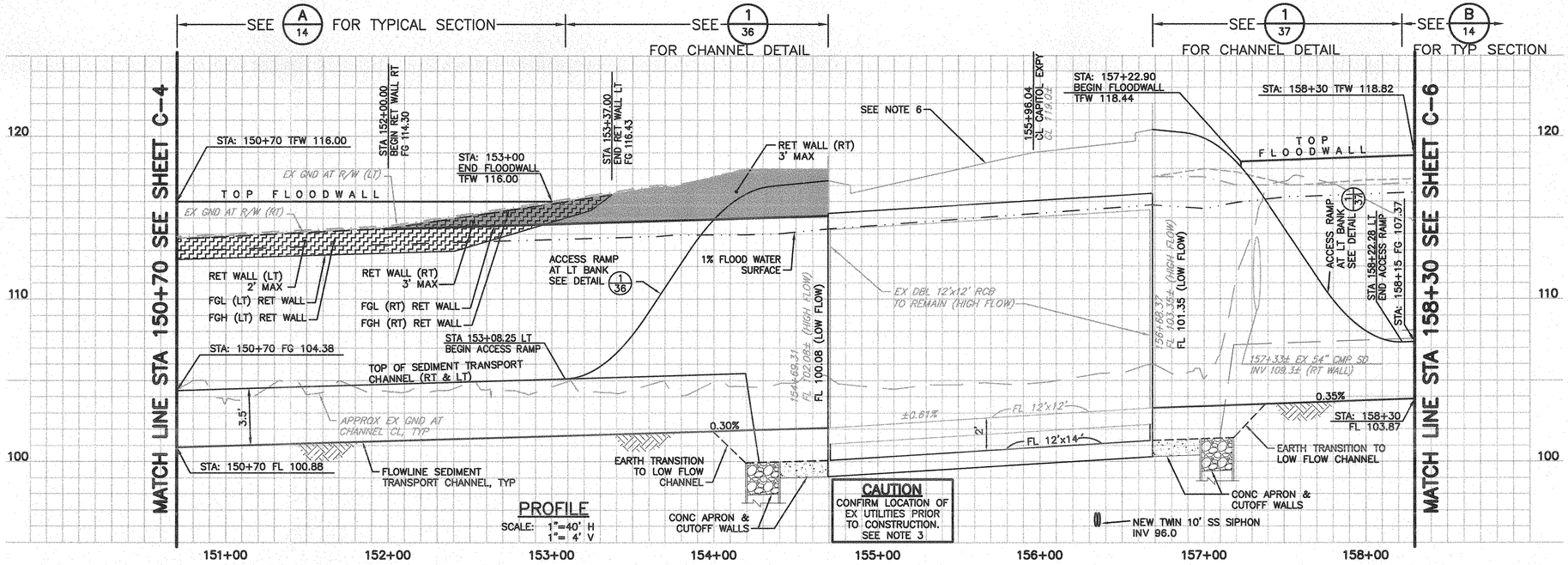

NOTES:

1. SEE DEMOLITION PLAN SHEET 7 FOR REMOVAL OF EXISTING IMPROVEMENTS.
2. ALL OFFSET DISTANCES ARE MEASURED FROM THE CONSTRUCTION CONTROL LINE OF THE CHANNEL. SEE SHEETS 63–73 FOR CONTROL LINE LAYOUT.
3. EXISTING UTILITY LOCATIONS SHOWN ON PLANS ARE APPROXIMATE. CONTRACTOR SHALL LOCATE ALL EXISTING OVERHEAD AND UNDERGROUND UTILITY LINES AND POLES PRIOR TO CONSTRUCTION. CONTRACTOR TO COORDINATE WITH UTILITY COMPANIES SO THAT FLOODWALL PILES AND OTHER CONSTRUCTION ACTIVITIES DO NOT CONFLICT WITH EXISTING UTILITIES.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR COST OF REPLACEMENT OF ANY DAMAGED UTILITIES THAT ARE NOT CALLED OUT TO BE REMOVED.
5. ALL AREAS WITHIN DISTRICT RIGHT–OF–WAY SHALL BE GRADED SUCH THAT ALL RUNOFF DRAINS INTO THE CHANNEL.
6. SEE SHEETS 38–43 FOR CAPITOL EXPRESSWAY IMPROVEMENTS AND TRAFFIC CONTROL.
7. SEE SHEETS 76–77 FOR CREEK CROSS–SECTIONS AT 100 FOOT INTERVALS.

1. SEE STRUCTURAL PLANS FOR RETAINING WALL, FLOODWALL, WINGWALL & CONCRETE APRON DETAILS.
2. 18' WIDE MAINTENANCE ROAD. SEE DETAIL 3/60
3. 1/2–1 TON BOULDERS. SEE LANDSCAPE SHEETS FOR DETAILS AND LOCATION.
4. STA 153+83± PROTECT IN PLACE EX OVERHEAD UTILITY LINES (ELEC, PHONE & CABLE), UTILITY POLES AND GUY ANCHORS.
5. VEGETATED BENCH WIDTH VARIES 5'–8.6x'. SEE CHANNEL CROSS–SECTIONS ON SHEETS 76–77 FOR BENCH DIMENSIONS.
6. SLOPE WIDTH VARIES 10.4'–14'. SEE CHANNEL CROSS SECTIONS ON SHEETS 76–77 FOR SLOPE DIMENSIONS.
7. STA 157+32.85 26.4' RT END OF EX 54" CMP SD EX INV 109.3± SEE DETAIL 8/60
8. STA 152+50 37.02' LT & 42' RT 4' WIDE SINGLE SWING GATE IN CL–3.5 FENCE SEE DETAIL 2/59
9. STA 154+75.65 59.63' LT 1" IRRIGATION WATER METER & SERVICE PER CSJ STD DWG W–2. SEE LANDSCAPE PLANS FOR IRRIGATION DETAILS.
10. STA 154+59.98 40.06' RT 1.5" IRRIGATION WATER METER & SERVICE PER CSJ STD DWG W–2. SEE LANDSCAPE PLANS FOR IRRIGATION DETAILS.
11. AT COMPLETION OF CONSTRUCTION, INSTALL CLF–6 0.5' FROM SCVWD R/W ALONG ENTIRE CREEK FRONTAGE. SEE DETAIL 4/59

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

RJA
RUGGERI-JENSEN-AZAR
ENGINEERS • PLANNERS • SURVEYORS
5000 CAMINO ARROYO GILROY, CA 95020
PHONE: (408) 848-5300 FAX: (408) 848-5302

DATE	
05–18–10	
DESIGN	JS/CW
DRAWN	LW
CHECKED	CP

ENGINEERING CERTIFICATION
REGISTERED PROFESSIONAL ENGINEER CHRISTOPHER JOHN PAUL PARKER No. C 31317 CIVIL STATE OF CALIFORNIA
5/18/10
PROJECT ENGINEER DATE

Santa Clara Valley Water District
ACCEPTED BY DISTRICT
Dennis Cheung 6/1/10
DATE

PROJECT NAME AND SHEET DESCRIPTION:
LOWER SILVER CREEK REACHES 4, 5 & 6A
PLAN & PROFILE STA 150+70 TO 158+30

SCALE: AS SHOWN
VERIFY SCALES 0 1"
BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

PROJECT NUMBER: 40264008
SHEET CODE: C–5
PAGE NUMBER: 18 OF 188

DOCUMENT NUMBER: CAD_XX–X–XXXX–XXXXX
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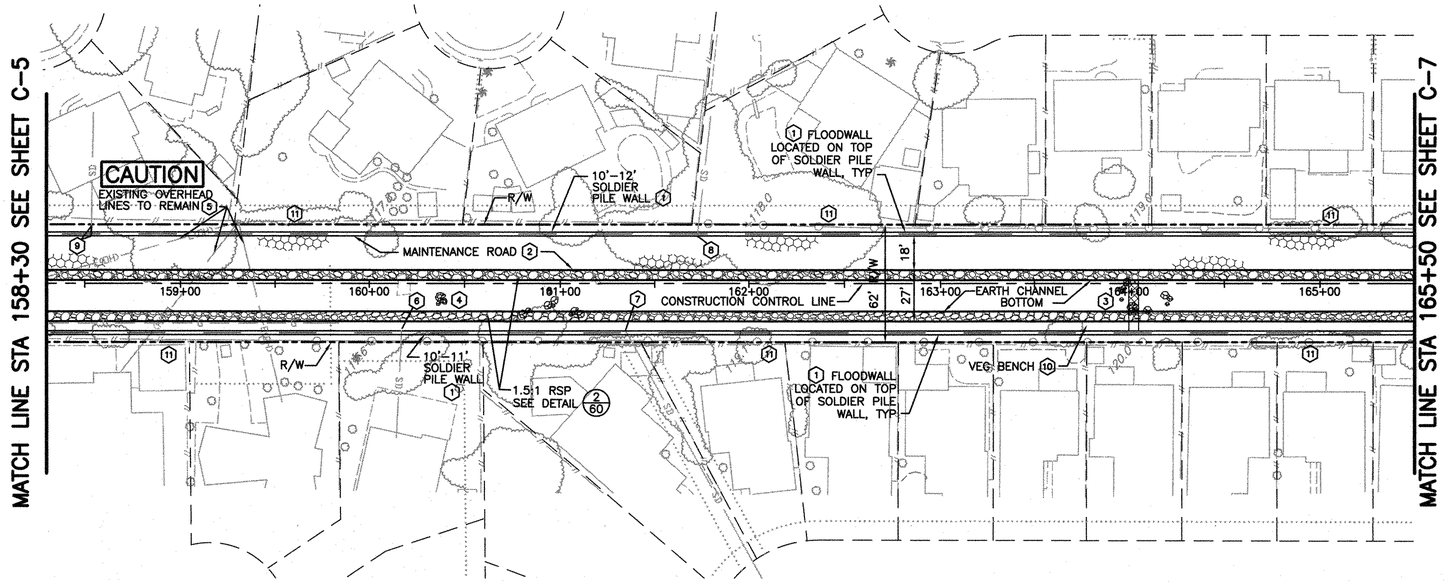
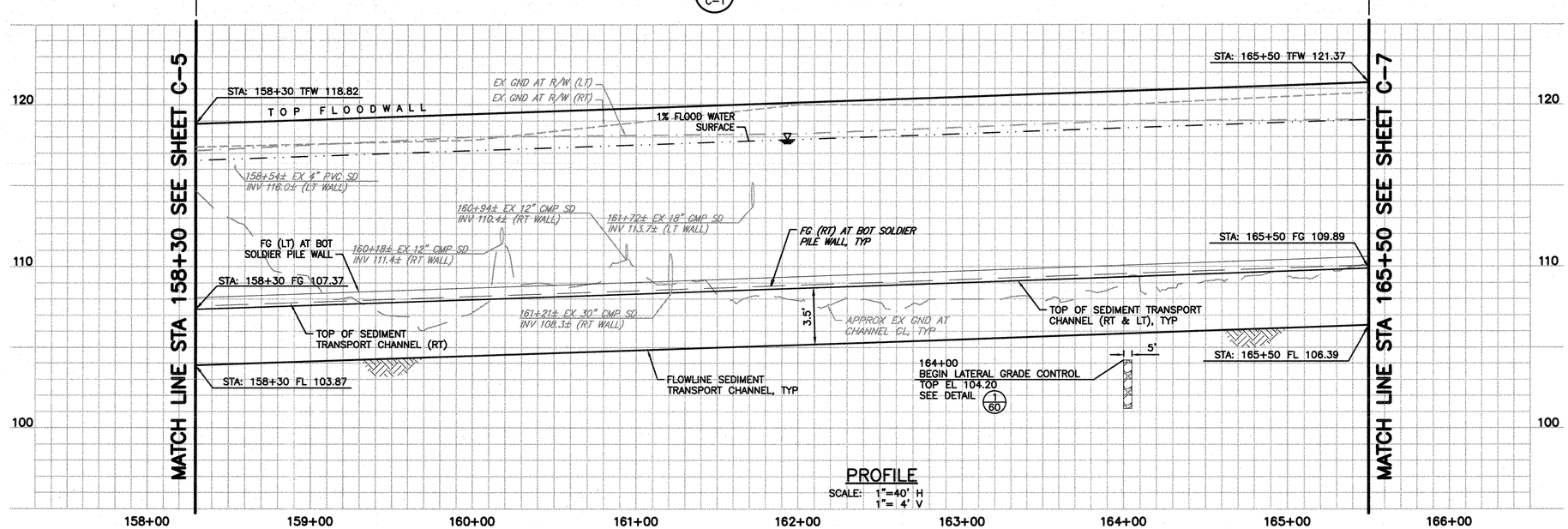
4026 – Y3007



PLAN

SCALE: 1"=40'

SEE B/C-1 FOR TYPICAL SECTION



PROFILE

SCALE: 1"=40' H
1"= 4' V

NOTES:

1. SEE DEMOLITION PLAN SHEETS 7–8 FOR REMOVAL OF EXISTING IMPROVEMENTS.
2. ALL OFFSET DISTANCES ARE MEASURED FROM THE CONSTRUCTION CONTROL LINE OF THE CHANNEL. SEE SHEETS 63–73 FOR CONTROL LINE LAYOUT.
3. EXISTING UTILITY LOCATIONS SHOWN ON PLANS ARE APPROXIMATE. CONTRACTOR SHALL LOCATE ALL EXISTING OVERHEAD AND UNDERGROUND UTILITY LINES AND POLES PRIOR TO CONSTRUCTION. CONTRACTOR TO COORDINATE WITH UTILITY COMPANIES SO THAT FLOODWALL PILES AND OTHER CONSTRUCTION ACTIVITIES DO NOT CONFLICT WITH EXISTING UTILITIES.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR COST OF REPLACEMENT OF ANY DAMAGED UTILITIES THAT ARE NOT CALLED OUT TO BE REMOVED.
5. ALL AREAS WITHIN DISTRICT RIGHT–OF–WAY SHALL BE GRADED SUCH THAT ALL RUNOFF DRAINS INTO THE CHANNEL.
6. SEE SHEETS 77–78 FOR CREEK CROSS–SECTIONS AT 100 FOOT INTERVALS.

1. SEE STRUCTURAL PLANS FOR RETAINING WALL, FLOODWALL, WINGWALL & CONCRETE APRON DETAILS.
2. 18' WIDE MAINTENANCE ROAD. SEE DETAIL 3/60
3. STA 164+00–164+05 CONSTRUCT 5' WIDE LATERAL GRADE CONTROL STRUCTURE. SEE DETAIL 1/60
4. 1/2–1 TON BOULDERS. SEE LANDSCAPE SHEETS FOR DETAILS AND LOCATION.
5. STA 158+18±, 159+05±, 159+39± PROTECT IN PLACE EX OVERHEAD UTILITY LINES (ELEC, PHONE & CABLE), UTILITY POLES AND GUY ANCHORS.
6. STA 160+17.0± 25.0' RT
   END OF EX 12" CMP SD
   EX INV 111.4±
   SEE DETAIL 8/60
7. STA 161+34.5± 25.0' RT
   END OF EX 30" CMP SD
   EX INV 108.3±
   SEE DETAIL 8/60
8. STA 161+72.6± 24.4' LT
   END OF EX 18" CMP SD
   EX INV 113.7±
   SEE DETAIL 8/60
9. STA 158+53.5± 30.1' LT CONNECT TO END OF EX 4" PVC SD
   EXTEND PVC PIPE 5± LF TO FACE OF WALL
   EX INV 118.0± AT CONNECTION
   INV 117.9 AT END
   SEE DETAIL 8/60
10. 5' WIDE VEGETATED BENCH
11. AT COMPLETION OF CONSTRUCTION, INSTALL NEW CLF–6 0.5' FROM SCVWD R/W ALONG ENTIRE CREEK FRONTAGE.
    SEE DETAIL 4/59

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

RJA
RUGGERI-JENSEN-AZAR
ENGINEERS • PLANNERS • SURVEYORS
8055 CAMINO ARROYO GILROY, CA 95020
PHONE: (408) 848-2300 FAX: (408) 848-2302

DATE	05–18–10
DESIGN	JS/CW
DRAWN	LW
CHECKED	CP

ENGINEERING CERTIFICATION
REGISTERED PROFESSIONAL ENGINEER SAMINTA JOSEPH CHEONG No. C 31-18 CIVIL STATE OF CALIFORNIA
PROJECT ENGINEER 5/18/10 DATE

Santa Clara Valley Water District
ACCEPTED BY DISTRICT
Dennis Cheong 6/1/10
DATE

PROJECT NAME AND SHEET DESCRIPTION:

LOWER SILVER CREEK REACHES 4, 5 & 6A

PLAN & PROFILE STA 158+30 TO 165+50

SCALE	PROJECT NUMBER
AS SHOWN	40264008
VERIFY SCALES 0 1" BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	SHEET CODE: C–6
	PAGE NUMBER: 19 OF 188

DOCUMENT NUMBER: CAD_XX–X–XXXX–XXXXX

40264008

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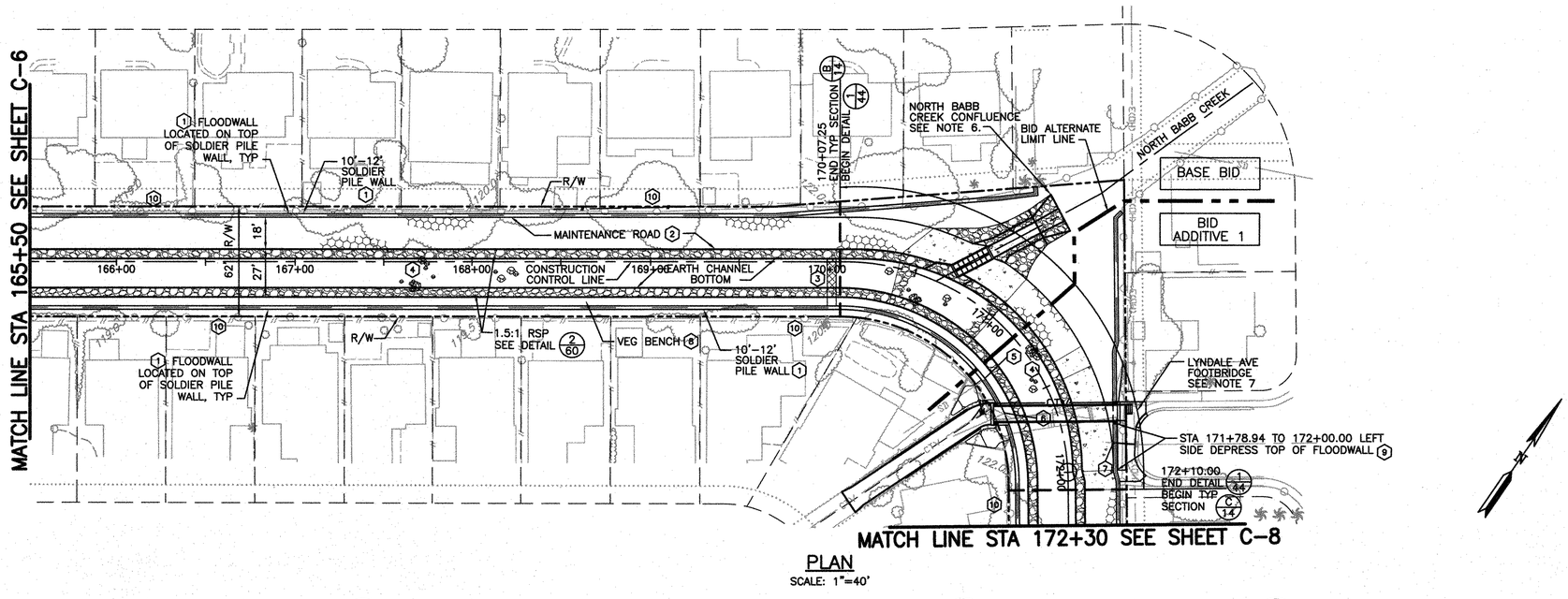
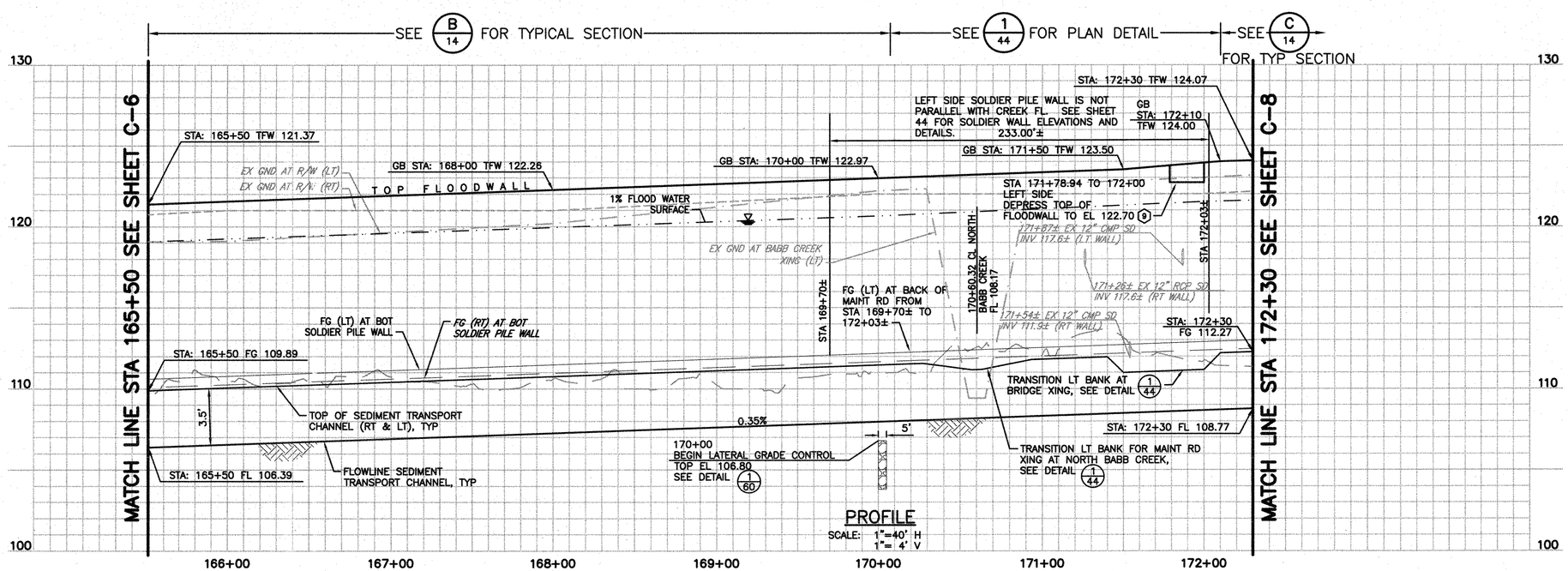


PLAN

SCALE: 1"=40'



PROFILE

SCALE: 1"=40' H
1"= 4' V

NOTES:

1. SEE DEMOLITION PLAN SHEETS 8–9 FOR REMOVAL OF EXISTING IMPROVEMENTS.
2. ALL OFFSET DISTANCES ARE MEASURED FROM THE CONSTRUCTION CONTROL LINE OF THE CHANNEL. SEE SHEETS 63–73 FOR CONTROL LINE LAYOUT.
3. EXISTING UTILITY LOCATIONS SHOWN ON PLANS ARE APPROXIMATE. CONTRACTOR SHALL LOCATE ALL EXISTING OVERHEAD AND UNDERGROUND UTILITY LINES AND POLES PRIOR TO CONSTRUCTION. CONTRACTOR TO COORDINATE WITH UTILITY COMPANIES SO THAT FLOODWALL PILES AND OTHER CONSTRUCTION ACTIVITIES DO NOT CONFLICT WITH EXISTING UTILITIES.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR COST OF REPLACEMENT OF ANY DAMAGED UTILITIES THAT ARE NOT CALLED OUT TO BE REMOVED.
5. ALL AREAS WITHIN DISTRICT RIGHT–OF–WAY SHALL BE GRADED SUCH THAT ALL RUNOFF DRAINS INTO THE CHANNEL.
6. SEE SHEET 44 FOR NORTH BABB CREEK CONFLUENCE PLAN AND DETAILS.
7. SEE SHEET 45 FOR LYNDALE AVENUE FOOTBRIDGE PLAN AND DETAILS.
8. SEE SHEETS 78–79 FOR CREEK CROSS–SECTIONS AT 100 FOOT INTERVALS.

1. SEE STRUCTURAL PLANS FOR RETAINING WALL, FLOODWALL, WINGWALL & CONCRETE APRON DETAILS.
2. 18' WIDE MAINTENANCE ROAD. SEE DETAIL 3/60
3. STA 170+00–170+05 CONSTRUCT 5' WIDE LATERAL GRADE CONTROL STRUCTURE. SEE DETAIL 1/60
4. 1/2–1 TON BOULDERS. SEE LANDSCAPE SHEETS FOR DETAILS AND LOCATION.
5. STA 171+25.7± 27.0' RT END OF EX 12" RCP SD EX INV 117.6± SEE DETAIL 8/60
6. STA 171+54.2± 27.3' RT END OF EX 12" CMP SD EX INV 111.9± SEE DETAIL 8/60
7. STA 171+87.4± 27.5' LT END OF EX 12" CMP SD EX INV 117.6± SEE DETAIL 8/60
8. 5' WIDE VEGETATED BENCH
9. STA 171+78.94 TO 172+00.00 LEFT SIDE DEPRESS TOP OF FLOODWALL TO EL 122.70 TO PROVIDE OVERLAND RELEASE OF NORTH BABB CREEK FLOODWATERS. FLOODWALL FREEBOARD TO BE RESTORED WITH COMPLETION OF FUTURE NORTH BABB CREEK IMPROVEMENTS.
10. AT COMPLETION OF CONSTRUCTION, INSTALL NEW CLF–6 0.5' FROM SCVWD R/W ALONG ENTIRE CREEK FRONTAGE. SEE DETAIL 4/59

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

RJA
RUGGERI-JENSEN-AZAR
ENGINEERS • PLANNERS • SURVEYORS
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DATE
05–18–10
DESIGN
JS/CW
DRAWN
LW
CHECKED
CP

ENGINEERING CERTIFICATION
REGISTERED PROFESSIONAL ENGINEER ARMANDO JIMENEZ 3-31-12 CIVIL STATE OF CALIFORNIA
5/18/10
PROJECT ENGINEER DATE

Santa Clara Valley Water District
ACCEPTED BY DISTRICT
Dennis Cheong 6/1/10
DATE

PROJECT NAME AND SHEET DESCRIPTION:

LOWER SILVER CREEK REACHES 4, 5 & 6A

PLAN & PROFILE STA 165+50 TO 172+30

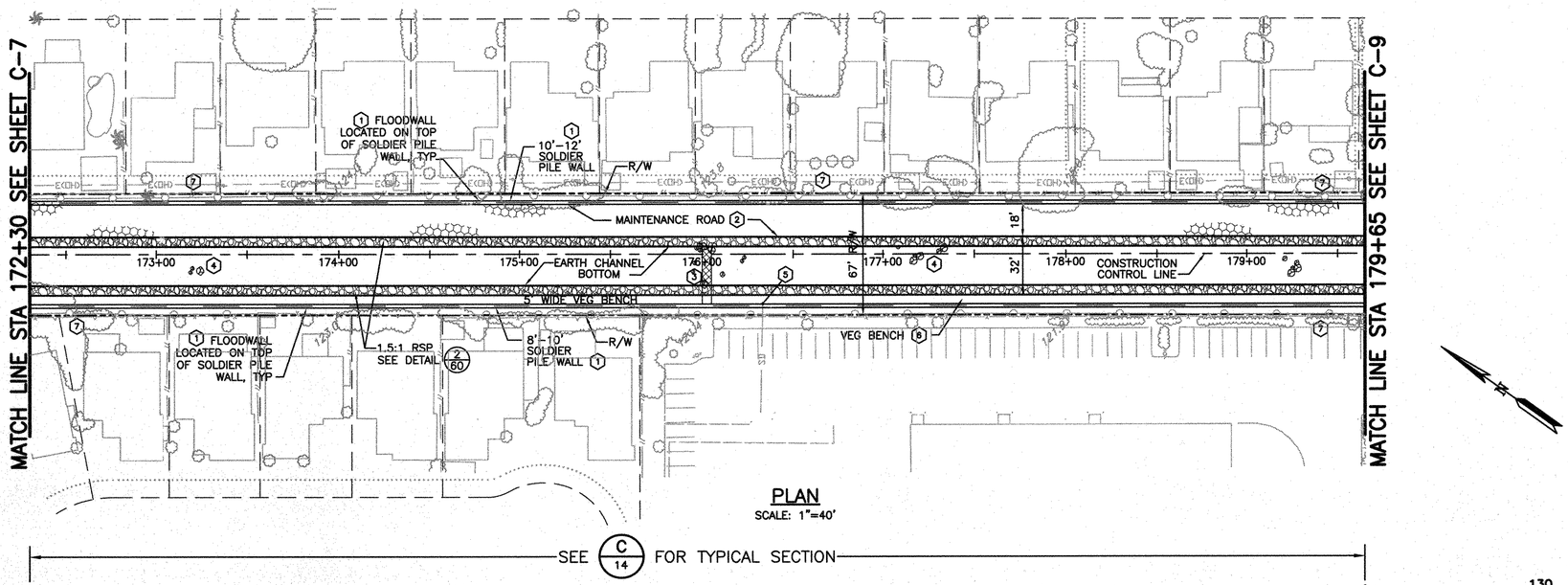
SCALE	PROJECT NUMBER
AS SHOWN	40264008
VERIFY SCALES 0 1" BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	SHEET CODE: C–7
	PAGE NUMBER: 20 OF 188

DOCUMENT NUMBER: CAD_XX–X–XXXX–XXXXX
USERNAME: LWinter Thu 20 May 2010 09:09am
FILENAME: W:\Jobs 09\092051\Drawings\Final\Plans\20 C-7 PLAN & PROF 6
4026 - Y3009

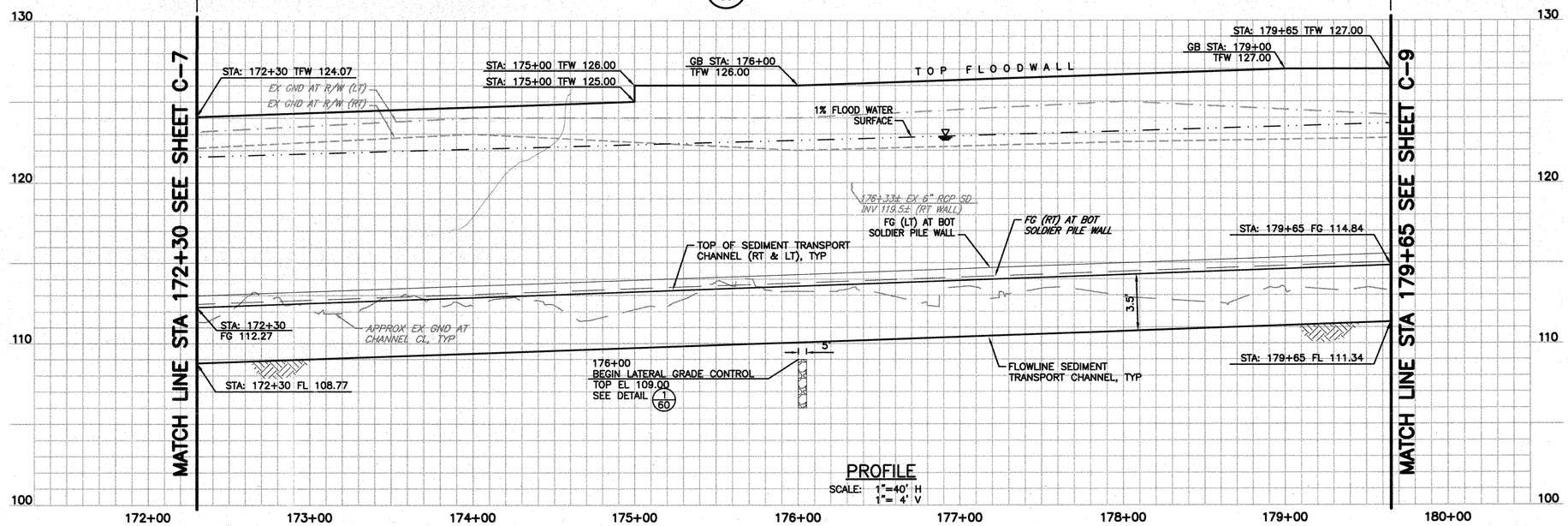
NOTES:

1. SEE DEMOLITION PLAN SHEET 9 FOR REMOVAL OF EXISTING IMPROVEMENTS.
2. ALL OFFSET DISTANCES ARE MEASURED FROM THE CONSTRUCTION CONTROL LINE OF THE CHANNEL. SEE SHEETS 63–73 FOR CONTROL LINE LAYOUT.
3. EXISTING UTILITY LOCATIONS SHOWN ON PLANS ARE APPROXIMATE. CONTRACTOR SHALL LOCATE ALL EXISTING OVERHEAD AND UNDERGROUND UTILITY LINES AND POLES PRIOR TO CONSTRUCTION. CONTRACTOR TO COORDINATE WITH UTILITY COMPANIES SO THAT FLOODWALL PILES AND OTHER CONSTRUCTION ACTIVITIES DO NOT CONFLICT WITH EXISTING UTILITIES.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR COST OF REPLACEMENT OF ANY DAMAGED UTILITIES THAT ARE NOT CALLED OUT TO BE REMOVED.
5. ALL AREAS WITHIN DISTRICT RIGHT–OF–WAY SHALL BE GRADED SUCH THAT ALL RUNOFF DRAINS INTO THE CHANNEL.
6. SEE SHEETS 79–80 FOR CREEK CROSS–SECTIONS AT 100 FOOT INTERVALS.

1. SEE STRUCTURAL PLANS FOR RETAINING WALL, FLOODWALL, WINGWALL & CONCRETE APRON DETAILS.
2. 18' WIDE MAINTENANCE ROAD. SEE DETAIL 3/60
3. STA 176+00–176+05 CONSTRUCT 5' WIDE LATERAL GRADE CONTROL STRUCTURE. SEE DETAIL 1/60
4. 1/2–1 TON BOULDERS. SEE LANDSCAPE SHEETS FOR DETAILS AND LOCATION.
5. 176+33.2± 27.5' RT END OF EX 6" RCP SD EX INV 119.5± SEE DETAIL 8/60
6. 5' WIDE VEGETATED BENCH
7. AT COMPLETION OF CONSTRUCTION, INSTALL NEW CLF–6 0.5' FROM SCVWD R/W ALONG ENTIRE CREEK FRONTAGE SEE DETAIL 4/59



PLAN
SCALE: 1"=40'



PROFILE
SCALE: 1"=40' H
1"= 4' V

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

RJA
RUGGERI-JENSEN-AZAR
ENGINEERS • PLANNERS • SURVEYORS
8055 CAMINO ARROYO GILROY, CA 95020
PHONE: (408) 848-3300 FAX: (408) 848-3302

DATE 05–18–10
DESIGN JS/CW
DRAWN LW
CHECKED CP

ENGINEERING CERTIFICATION
REGISTERED PROFESSIONAL ENGINEER ARMANDO PEREZ-ARRIOLA CIVIL STATE OF CALIFORNIA
12-31-12
5/18/10
PROJECT ENGINEER DATE

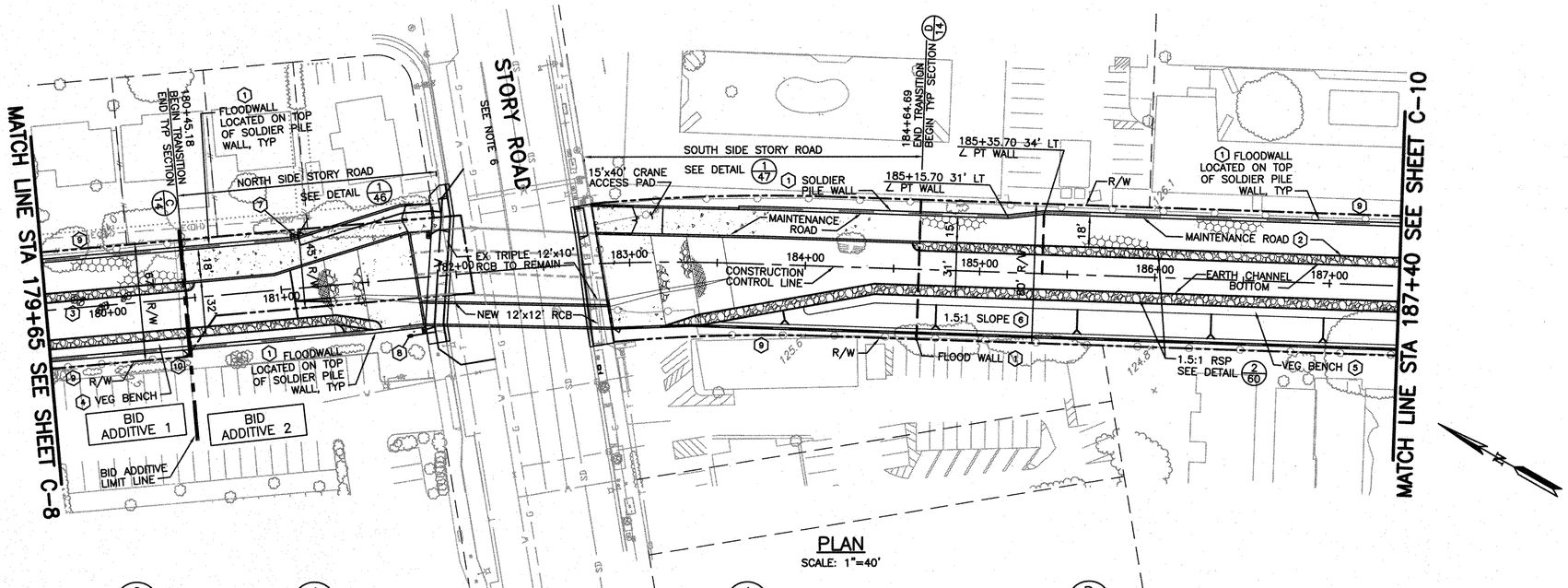
Santa Clara Valley Water District
ACCEPTED BY DISTRICT
Dennis Cheung 6/1/10
DATE

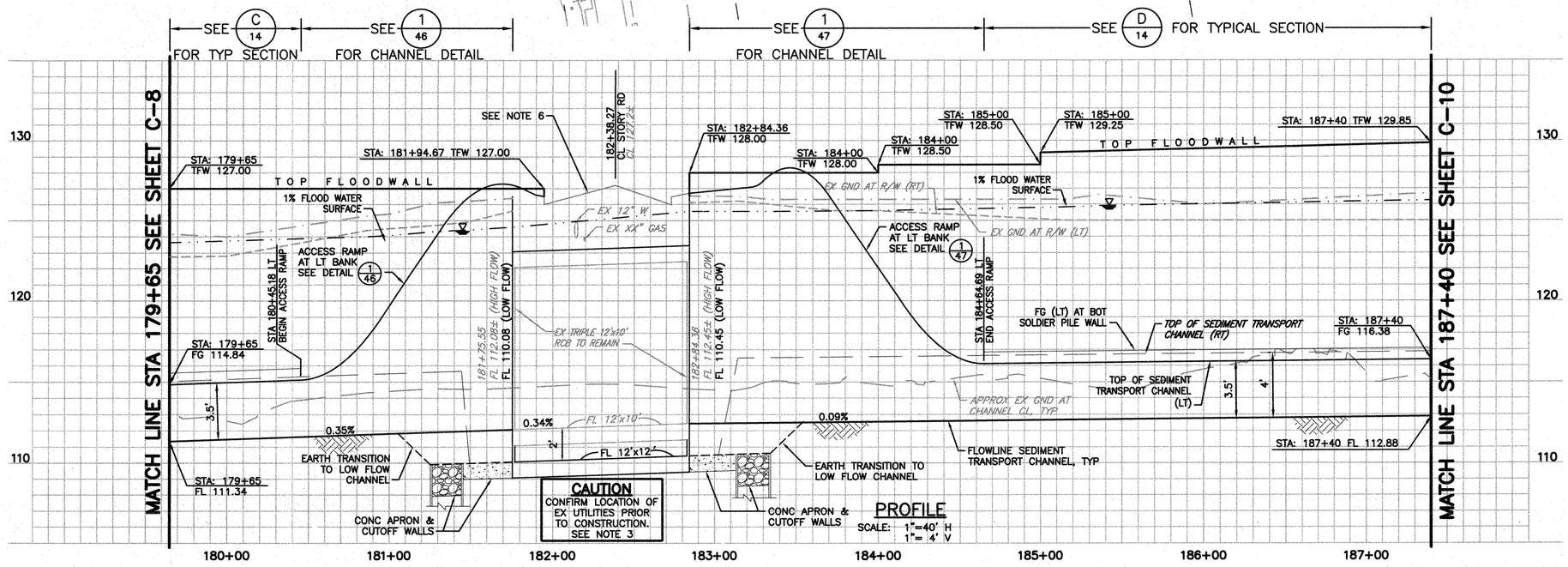
PROJECT NAME AND SHEET DESCRIPTION:
LOWER SILVER CREEK REACHES 4, 5 & 6A
PLAN & PROFILE STA 172+30 TO 179+65

SCALE: AS SHOWN
VERIFY SCALES 0 1"
BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

PROJECT NUMBER: 40264008
SHEET CODE: C–8
PAGE NUMBER: 21 OF 188

DOCUMENT NUMBER: CAD_XX–X–XXXX–XXXXX
USERNAME: LWinter Thu 20 May 2010 09:12am
FILENAME: W:\Jobs 09\092051\Drawings\Final\Plans\21 C–8 PLAN & PROF 7
9026-93010





NOTES:

1. SEE DEMOLITION PLAN SHEETS 9–10 FOR REMOVAL OF EXISTING IMPROVEMENTS.
2. ALL OFFSET DISTANCES ARE MEASURED FROM THE CONSTRUCTION CONTROL LINE OF THE CHANNEL. SEE SHEETS 63–73 FOR CONTROL LINE LAYOUT.
3. EXISTING UTILITY LOCATIONS SHOWN ON PLANS ARE APPROXIMATE. CONTRACTOR SHALL LOCATE ALL EXISTING OVERHEAD AND UNDERGROUND UTILITY LINES AND POLES PRIOR TO CONSTRUCTION. CONTRACTOR TO COORDINATE WITH UTILITY COMPANIES SO THAT FLOODWALL PILES AND OTHER CONSTRUCTION ACTIVITIES DO NOT CONFLICT WITH EXISTING UTILITIES.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR COST OF REPLACEMENT OF ANY DAMAGED UTILITIES THAT ARE NOT CALLED OUT TO BE REMOVED.
5. ALL AREAS WITHIN DISTRICT RIGHT–OF–WAY SHALL BE GRADED SUCH THAT ALL RUNOFF DRAINS INTO THE CHANNEL.
6. SEE SHEETS 48–51 FOR STORY ROAD IMPROVEMENTS AND TRAFFIC CONTROL.
7. SEE SHEETS 80–81 FOR CREEK CROSS–SECTIONS AT 100 FOOT INTERVALS.

(1) SEE STRUCTURAL PLANS FOR RETAINING WALL, FLOODWALL, WINGWALL & CONCRETE APRON DETAILS.

(2) 18' WIDE MAINTENANCE ROAD. SEE DETAIL 3/60

(3) 1/2–1 TON BOULDERS. SEE LANDSCAPE SHEETS FOR DETAILS AND LOCATION.

(4) 5' WIDE VEGETATED BENCH

(5) VEGETATED BENCH WIDTH VARIES 5'–9'. SEE CHANNEL CROSS–SECTIONS ON SHEETS 80–81 FOR SLOPE DIMENSIONS.

(6) SLOPE WIDTH VARIES 10'–14'. SEE CHANNEL CROSS–SECTIONS ON SHEETS 80 & 81 FOR SLOPE DIMENSIONS.

(7) STA 181+10.10 30.50' LT 1" IRRIGATION WATER METER & SERVICE PER CSJ STD DWG W–2. SEE LANDSCAPE PLANS FOR IRRIGATION DETAILS.

(8) STA 181+71.73 30.93' RT 1.5" IRRIGATION WATER METER & SERVICE PER CSJ STD DWG W–2. SEE LANDSCAPE PLANS FOR IRRIGATION DETAILS.

(9) AT COMPLETION OF CONSTRUCTION, INSTALL NEW CLF–6 0.5' FROM SCVWD R/W ALONG ENTIRE CREEK FRONTAGE. SEE DETAIL 4/59

(10) STA 180+40.38 29.50' RT
4' WIDE SWING GATE IN CLF–6. SEE DETAIL 2/59

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

RJA
RUGGERI-JENSEN-AZAR
ENGINEERS • PLANNERS • SURVEYORS
8055 CAMINO ARROYO GILROY, CA 95020
PHONE: (408) 848-3300 FAX: (408) 848-3302

DATE	
05–18–10	
DESIGN	JS/CW
DRAWN	LW
CHECKED	CP

ENGINEERING CERTIFICATION
REGISTERED PROFESSIONAL ENGINEER — CHRISTOPHER A. PAPE — No. C 35811 — STATE OF CALIFORNIA
5/18/10
PROJECT ENGINEER DATE

Santa Clara Valley Water District
ACCEPTED BY DISTRICT
Dennis Cheong 6/1/10
DATE

PROJECT NAME AND SHEET DESCRIPTION:
LOWER SILVER CREEK REACHES 4, 5 & 6A
PLAN & PROFILE STA 179+65 TO 187+40

SCALE	PROJECT NUMBER
AS SHOWN	40264008
VERIFY SCALES 0 1" BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	SHEET CODE: C–9
	PAGE NUMBER: 22 OF 188

DOCUMENT NUMBER: CAD_XX–X–XXXX–XXXXX
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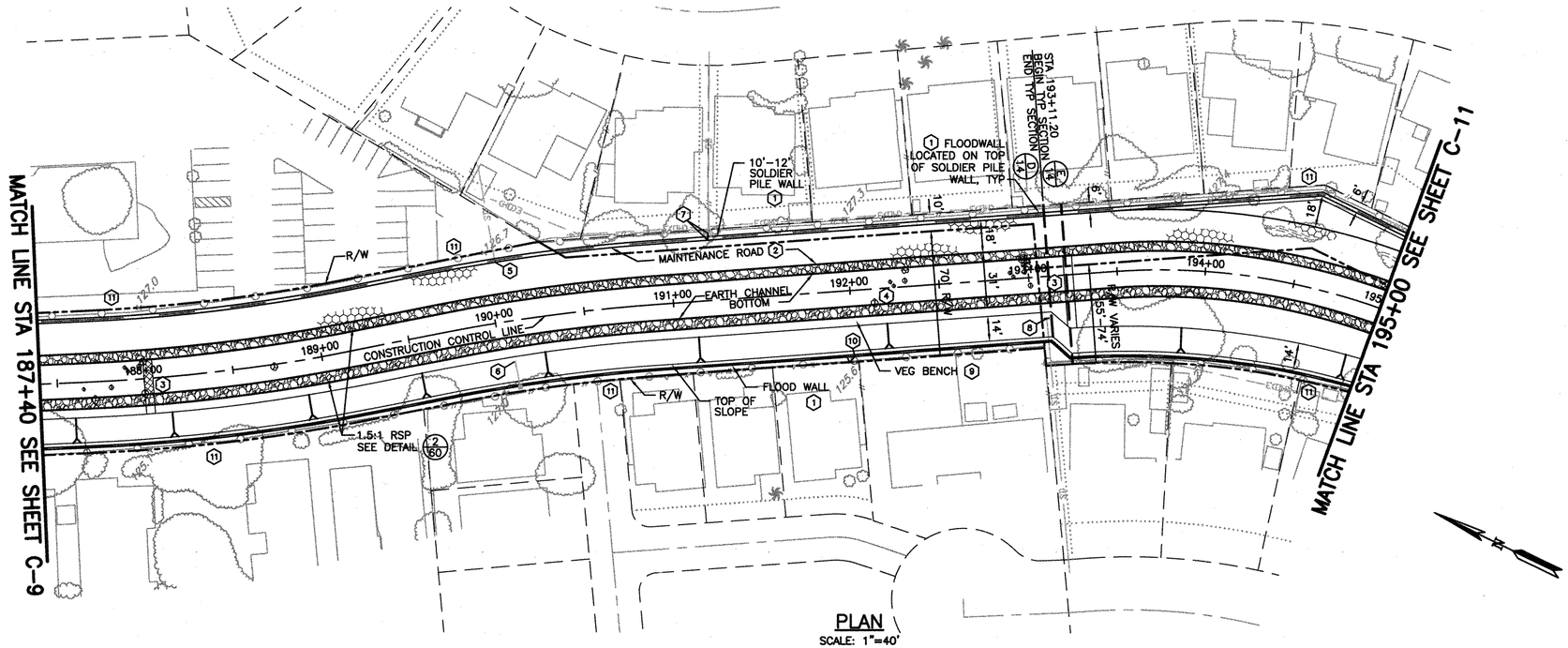
FILENAME: W:\Jobs 09\09205\Drawings\Final\Plans\22 C-9 PLAN & PROF 8
40264008 - 93011



PLAN

SCALE: 1"=40'

NOTES:

1. SEE DEMOLITION PLAN SHEETS 10–11 FOR REMOVAL OF EXISTING IMPROVEMENTS.
2. ALL OFFSET DISTANCES ARE MEASURED FROM THE CONSTRUCTION CONTROL LINE OF THE CHANNEL. SEE SHEETS 63–73 FOR CONTROL LINE LAYOUT.
3. EXISTING UTILITY LOCATIONS SHOWN ON PLANS ARE APPROXIMATE. CONTRACTOR SHALL LOCATE ALL EXISTING OVERHEAD AND UNDERGROUND UTILITY LINES AND POLES PRIOR TO CONSTRUCTION. CONTRACTOR TO COORDINATE WITH UTILITY COMPANIES SO THAT FLOODWALL PILES AND OTHER CONSTRUCTION ACTIVITIES DO NOT CONFLICT WITH EXISTING UTILITIES.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR COST OF REPLACEMENT OF ANY DAMAGED UTILITIES THAT ARE NOT CALLED OUT TO BE REMOVED.
5. ALL AREAS WITHIN DISTRICT RIGHT–OF–WAY SHALL BE GRADED SUCH THAT ALL RUNOFF DRAINS INTO THE CHANNEL.
6. SEE SHEETS 81–82 FOR CREEK CROSS–SECTIONS AT 100 FOOT INTERVALS.

(1) SEE STRUCTURAL PLANS FOR RETAINING WALL, FLOODWALL, WINGWALL & CONCRETE APRON DETAILS.

(2) 18' WIDE MAINTENANCE ROAD. SEE DETAIL (3/60)

(3) STA 188+00–188+05, 193+20–193+25 CONSTRUCT 5' WIDE LATERAL GRADE CONTROL STRUCTURE. SEE DETAIL (1/60)

(4) 1/2–1 TON BOULDERS. SEE LANDSCAPE SHEETS FOR DETAILS AND LOCATION.

(5) STA 190+05.0± 34.0' LT
END OF EX 15" CMP SD
EX INV 121.8±
SEE DETAIL (8/60)

(6) STA 190+07.6± 22.6' RT
END OF EX 12" CMP SD
EX INV 118.3±
SEE DETAIL (5/60)

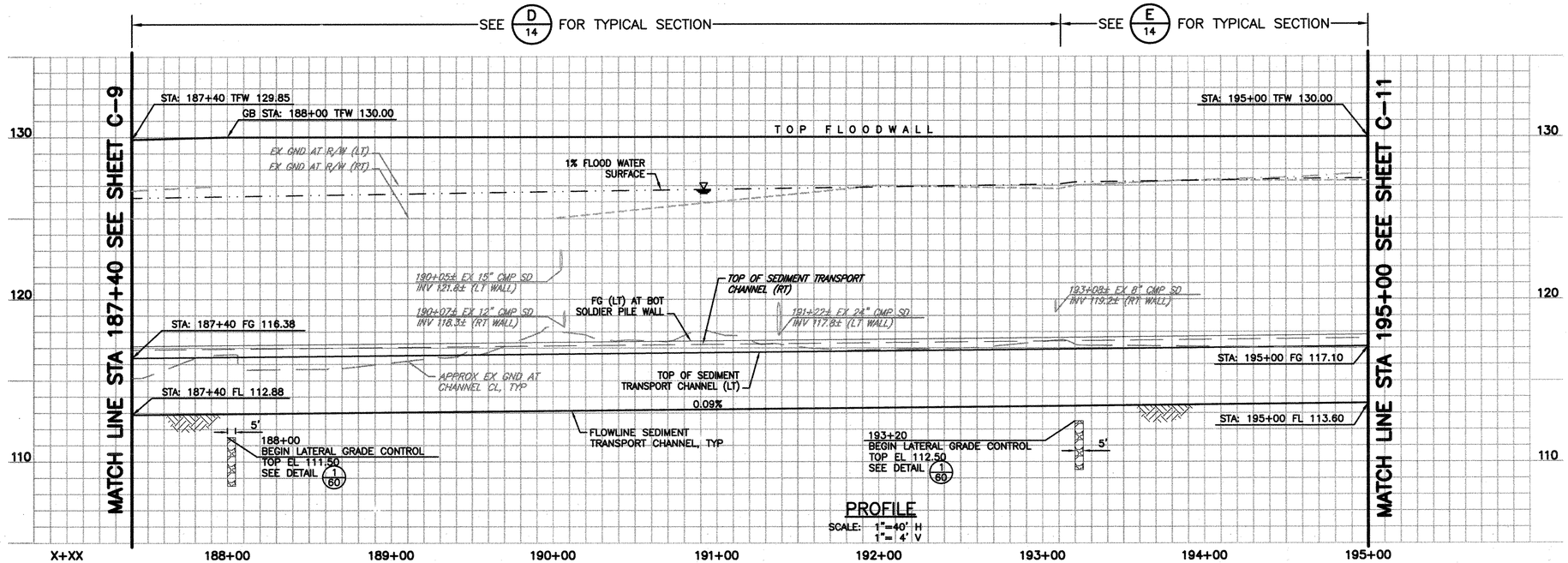
(7) STA 191+22.3± 37.9' LT CONNECT TO EX SDMH
INSTALL 4± LF 24" CMP SD TO FACE OF WALL
EX INV ± AT SDMH
INV AT END 117.8
SEE DETAIL (8/60)

(8) STA 193+08.5± 23.5' RT
END OF EX 8" CMP SD
EX INV 119.2±
SEE DETAIL (5/60)

(9) VEGETATED BENCH WIDTH VARIES 5'–18.6'. SEE CHANNEL CROSS–SECTIONS ON SHEETS 81–82 FOR BENCH DIMENSIONS.

(10) STA 192+00 37' RT
4' WIDE SINGLE SWING GATE IN CL–3.5 FENCE
SEE DETAIL (2/59)

(11) AT COMPLETION OF CONSTRUCTION, INSTALL NEW CLF–6 0.5' FROM SCVWD R/W ALONG ENTIRE CREEK FRONTAGE
SEE DETAIL (4/59)



PROFILE

SCALE: 1"=40' H
1"= 4' V

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

RJA
RUGGERI-JENSEN-AZAR
ENGINEERS • PLANNERS • SURVEYORS
5353 DAIRIKO ARROYO GILROY, CA 95020
PHONE: (408) 848-0300 FAX: (408) 848-0302

DATE	05–18–10
DESIGN	JS/CW
DRAWN	LW
CHECKED	CP

ENGINEERING CERTIFICATION

REGISTERED PROFESSIONAL ENGINEER — RAMINTA JENSEN — CIVIL — STATE OF CALIFORNIA

PROJECT ENGINEER — DATE 5/18/10

Santa Clara Valley Water District

ACCEPTED BY DISTRICT

Dennis Cheung 6/1/10

DATE

PROJECT NAME AND SHEET DESCRIPTION:

LOWER SILVER CREEK REACHES 4, 5 & 6A

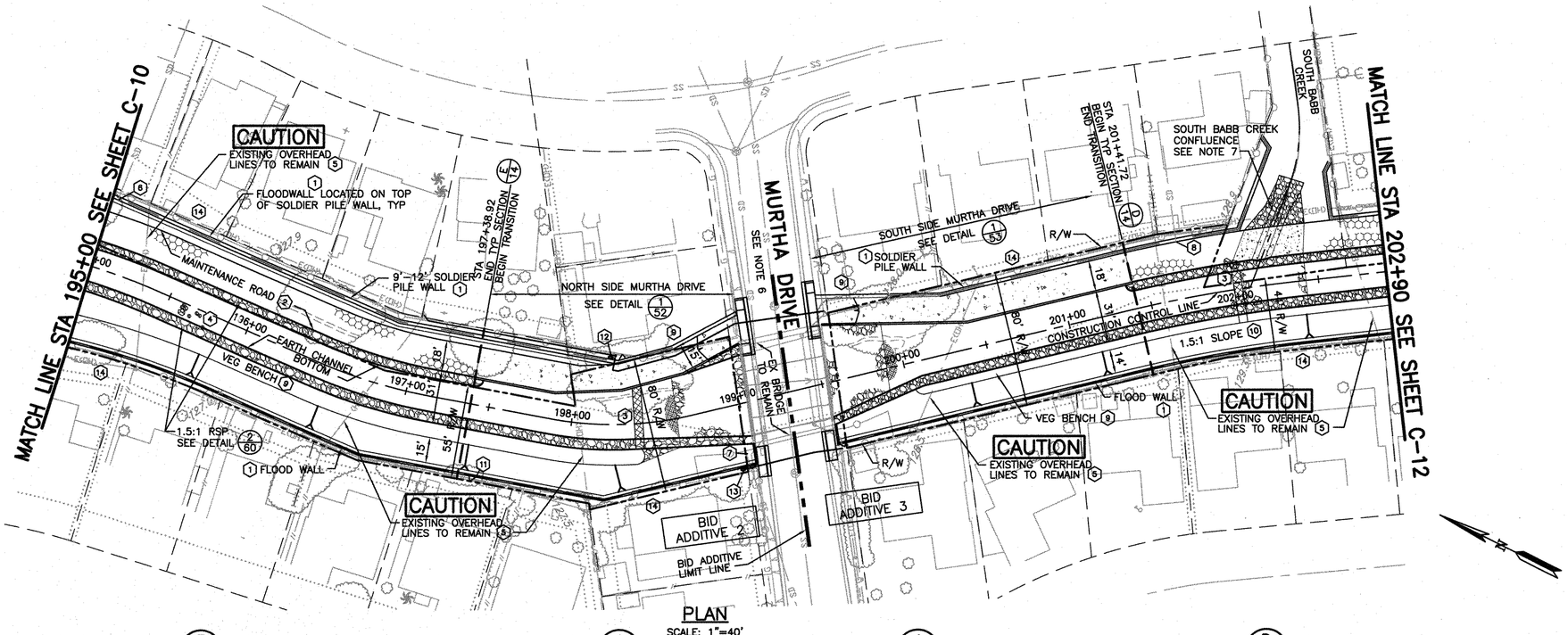
PLAN & PROFILE STA 187+40 TO 195+00

SCALE	PROJECT NUMBER
AS SHOWN	40264008
VERIFY SCALES 0 1" BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	SHEET CODE: C–10
	PAGE NUMBER: 23 OF 188

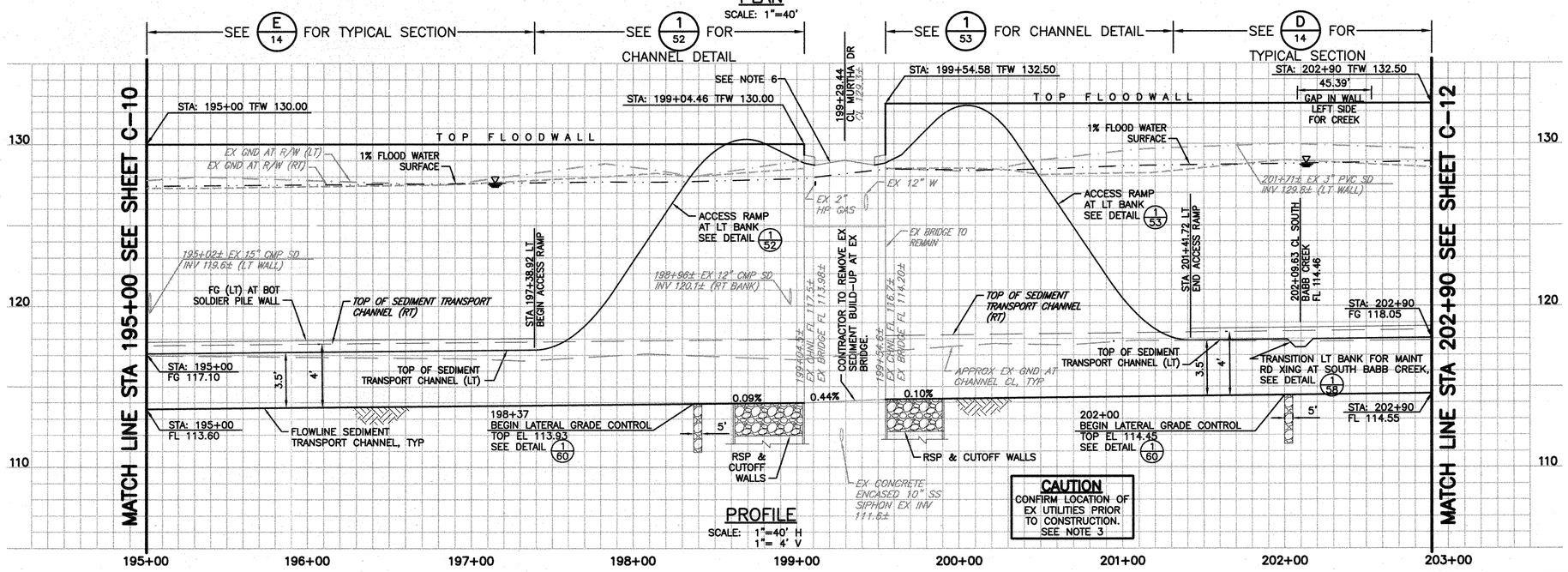
DOCUMENT NUMBER: CAD_XX–X–XXXX–XXXXX

USERNAME: LWinter Thu 27 May 2010 05:39pm
FILENAME: W:\Jobs 09\092051\Drawings\Final\Plans\23 C–10 PLAN & PROF 9

4026-43012



PLAN
SCALE: 1"=40'



PROFILE
SCALE: 1"=40' H
1"= 4' V

NOTES:

1. SEE DEMOLITION PLAN SHEET 11 FOR REMOVAL OF EXISTING IMPROVEMENTS.
2. ALL OFFSET DISTANCES ARE MEASURED FROM THE CONSTRUCTION CONTROL LINE OF THE CHANNEL. SEE SHEETS 63–73 FOR CONTROL LINE LAYOUT.
3. EXISTING UTILITY LOCATIONS SHOWN ON PLANS ARE APPROXIMATE. CONTRACTOR SHALL LOCATE ALL EXISTING OVERHEAD AND UNDERGROUND UTILITY LINES AND POLES PRIOR TO CONSTRUCTION. CONTRACTOR TO COORDINATE WITH UTILITY COMPANIES SO THAT FLOODWALL PILES AND OTHER CONSTRUCTION ACTIVITIES DO NOT CONFLICT WITH EXISTING UTILITIES.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR COST OF REPLACEMENT OF ANY DAMAGED UTILITIES THAT ARE NOT CALLED OUT TO BE REMOVED.
5. ALL AREAS WITHIN DISTRICT RIGHT-OF-WAY SHALL BE GRADED SUCH THAT ALL RUNOFF DRAINS INTO THE CHANNEL.
6. SEE SHEETS 55–56 FOR MURTHA DRIVE IMPROVEMENTS AND TRAFFIC CONTROL.
7. SEE SHEET 58 FOR SOUTH BABB CREEK CONFLUENCE PLAN AND DETAILS.
8. SEE SHEETS 82–83 FOR CREEK CROSS-SECTIONS AT 100 FOOT INTERVALS.

(1) SEE STRUCTURAL PLANS FOR RETAINING WALL, FLOODWALL, WINGWALL & CONCRETE APRON DETAILS.

(2) 18' WIDE MAINTENANCE ROAD. SEE DETAIL 3/60

(3) STA 202+00–202+05 CONSTRUCT 5' WIDE LATERAL GRADE CONTROL STRUCTURE. SEE DETAIL 1/60

(4) 1/2–1 TON BOULDERS. SEE LANDSCAPE SHEETS FOR DETAILS AND LOCATION.

(5) STA 195+32±, 196+80±, 198+04±, 198+04±, 200+27±, 201+58±, 202+75± PROTECT IN PLACE EX OVERHEAD UTILITY LINES (ELEC, PHONE & CABLE), UTILITY POLES AND GUY ANCHORS.

(6) STA 195+03.0± 42.3' LT
END OF EX 15" CMP SD
EX INV 119.6±
SEE DETAIL 8/60

(7) STA 198+96.8± 29.7' RT
END OF EX 12" CMP SD
EX INV 120.1±
SEE DETAIL 5/60

(8) STA 201+71.3± 34.0' LT
END OF EX 3" PVC SD
EX INV 129.8±
SEE DETAIL 8/60

(9) VEGETATED BENCH WIDTH VARIES 5'–18.6'. SEE CHANNEL CROSS-SECTIONS ON SHEETS 82–83 FOR BENCH DIMENSIONS.

(10) SLOPE WIDTH VARIES 10'–14'. SEE CHANNEL CROSS-SECTIONS ON SHEETS 82–83 FOR SLOPE DIMENSIONS.

(11) STA 197+50 42' RT
4' WIDE SINGLE SWING GATE IN CL-3.5 GATE
SEE DETAIL 2/59

(12) STA 198+23.53 39.47' LT 1" IRRIGATION WATER METER & SERVICE PER CSJ STD DWG W-2. SEE LANDSCAPE PLANS FOR IRRIGATION DETAILS.

(13) STA 198+93.64 38.15' RT 1.5" IRRIGATION WATER METER & SERVICE PER CSJ STD DWG W-2. SEE LANDSCAPE PLANS FOR IRRIGATION DETAILS.

(14) AT COMPLETION OF CONSTRUCTION, INSTALL NEW CLF-6 0.5' FROM SCVWD R/W ALONG ENTIRE CREEK FRONTAGE.
SEE DETAIL 4/59

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

RJA
RUGGERI-JENSEN-AZAR
ENGINEERS • PLANNERS • SURVEYORS
8333 CAMINO ARROYO GILROY, CA 95020
PHONE: (408) 848-3300 FAX: (408) 848-3302

DATE	ENGINEERING CERTIFICATION
05-18-10	
DESIGN JS/CW	
DRAWN LW	
CHECKED CP	
PROJECT ENGINEER	5/18/10 DATE

Santa Clara Valley Water District

ACCEPTED BY DISTRICT
Dennis Cheong 6/1/10
DATE

PROJECT NAME AND SHEET DESCRIPTION:

LOWER SILVER CREEK REACHES 4, 5 & 6A

PLAN & PROFILE STA 195+00 TO 202+90

SCALE	PROJECT NUMBER
AS SHOWN	40264008
VERIFY SCALES 0 1" BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	SHEET CODE: C-11
	PAGE NUMBER: 24 OF 188

DOCUMENT NUMBER: CAD_XX-X-XXXX-XXXXX
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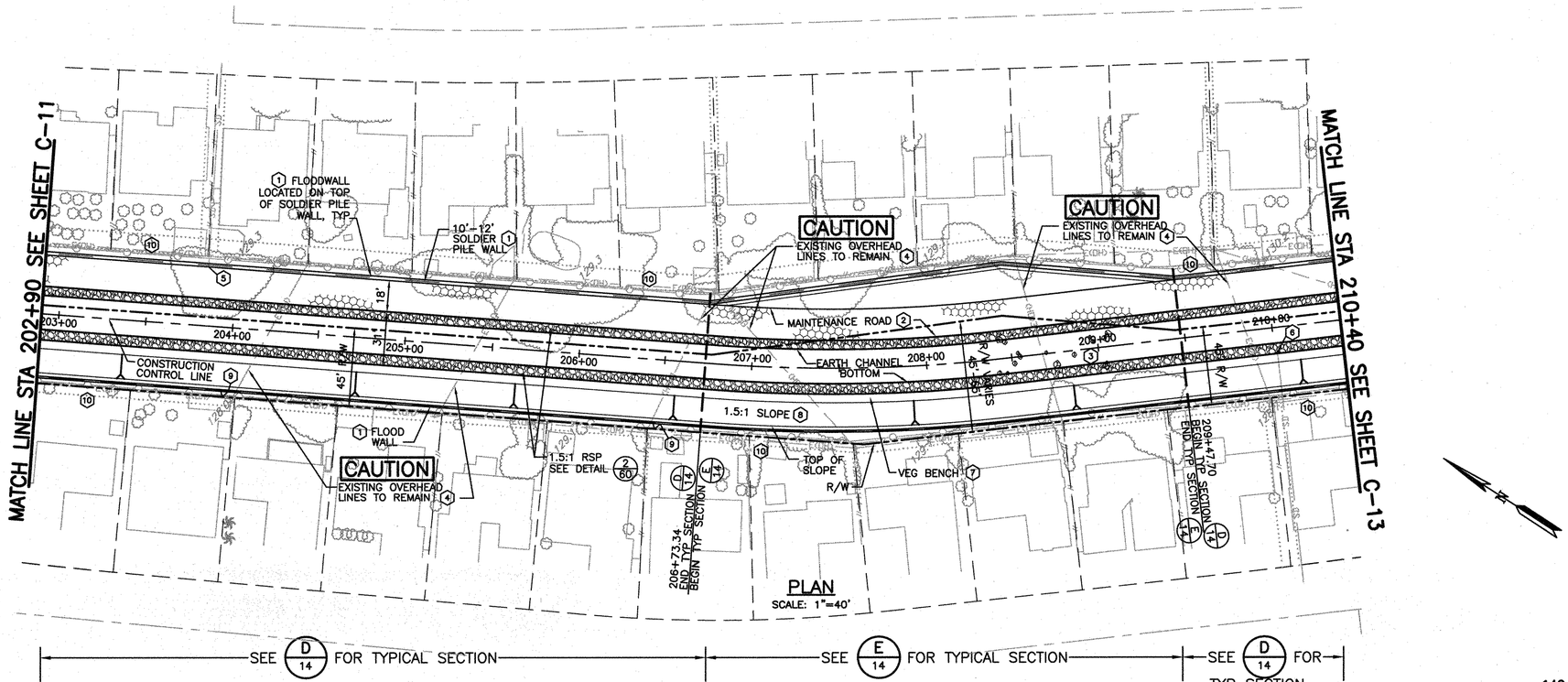
FILENAME: W:\Jobs 09\092051\Drawings\Final\Plans\24 C-11 PLAN & PROF 10

4026-43013



NOTES:

1. SEE DEMOLITION PLAN SHEET 12 FOR REMOVAL OF EXISTING IMPROVEMENTS.
2. ALL OFFSET DISTANCES ARE MEASURED FROM THE CONSTRUCTION CONTROL LINE OF THE CHANNEL. SEE SHEETS 63–73 FOR CONTROL LINE LAYOUT.
3. EXISTING UTILITY LOCATIONS SHOWN ON PLANS ARE APPROXIMATE. CONTRACTOR SHALL LOCATE ALL EXISTING OVERHEAD AND UNDERGROUND UTILITY LINES AND POLES PRIOR TO CONSTRUCTION. CONTRACTOR TO COORDINATE WITH UTILITY COMPANIES SO THAT FLOODWALL PILES AND OTHER CONSTRUCTION ACTIVITIES DO NOT CONFLICT WITH EXISTING UTILITIES.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR COST OF REPLACEMENT OF ANY DAMAGED UTILITIES THAT ARE NOT CALLED OUT TO BE REMOVED.
5. ALL AREAS WITHIN DISTRICT RIGHT–OF–WAY SHALL BE GRADED SUCH THAT ALL RUNOFF DRAINS INTO THE CHANNEL.
6. SEE SHEET 83 FOR CREEK CROSS–SECTIONS AT 100 FOOT INTERVALS.

1. SEE STRUCTURAL PLANS FOR RETAINING WALL, FLOODWALL, WINGWALL & CONCRETE APRON DETAILS.
2. 18' WIDE MAINTENANCE ROAD. SEE DETAIL 3/60
3. 1/2–1 TON BOULDERS. SEE LANDSCAPE SHEETS FOR DETAILS AND LOCATION.
4. STA 204+22±, 205+41±, 206+59±, 207+18±, 208+68±, 209+85± PROTECT IN PLACE EX OVERHEAD UTILITY LINES (ELEC, PHONE & CABLE), UTILITY POLES AND GUY ANCHORS.
5. STA 203+83.6± 34.0' LT
   END OF EX 18" CMP SD
   EX INV 120.7±
   SEE DETAIL 8/60
6. STA 210+01.5± 14.4' RT
   END OF EX 12" CMP SD
   EX INV 118.4±
   SEE DETAIL 7/60
7. VEGETATED BENCH WIDTH VARIES 5'–18.6'. SEE CHANNEL CROSS–SECTIONS ON SHEET 83 FOR BENCH DIMENSIONS.
8. SLOPE WIDTH VARIES 10'–14'. SEE CHANNEL CROSS–SECTIONS ON SHEET 83 FOR SLOPE DIMENSIONS.
9. STA 204+00, 206+50 37' RT
   4' WIDE SINGLE SWING GATE IN CL–3.5 FENCE
   SEE DETAIL 2/59
10. AT COMPLETION OF CONSTRUCTION, INSTALL NEW CLF–6 0.5' FROM SCVWD R/W ALONG ENTIRE CREEK FRONTAGE.
    SEE DETAIL 4/59

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

RJA
RUGGERI-JENSEN-AZAR
ENGINEERS • PLANNERS • SURVEYORS
8055 CAMINO ARROYO GILROY, CA 95020
PHONE: (408) 848-0300 FAX: (408) 848-0302

DATE	05–18–10
DESIGN	JS/CW
DRAWN	LW
CHECKED	CP

ENGINEERING CERTIFICATION
REGISTERED PROFESSIONAL ENGINEER ASHWANI K. MAHAJAN No. 43121 CIVIL STATE OF CALIFORNIA
3-31-12
PROJECT ENGINEER 5/18/10 DATE

Santa Clara Valley Water District
ACCEPTED BY DISTRICT
Dennis Cheong 6/1/10
DATE

PROJECT NAME AND SHEET DESCRIPTION:

LOWER SILVER CREEK REACHES 4, 5 & 6A

PLAN & PROFILE STA 202+90 TO 210+40

SCALE	PROJECT NUMBER
AS SHOWN	40264008
VERIFY SCALES 0 1" BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	SHEET CODE: C–12
	PAGE NUMBER: 25 OF 188

DOCUMENT NUMBER: CAD_XX–X–XXXX–XXXXX

USERNAME: LWinter Thu 20 May 2010 10:28am
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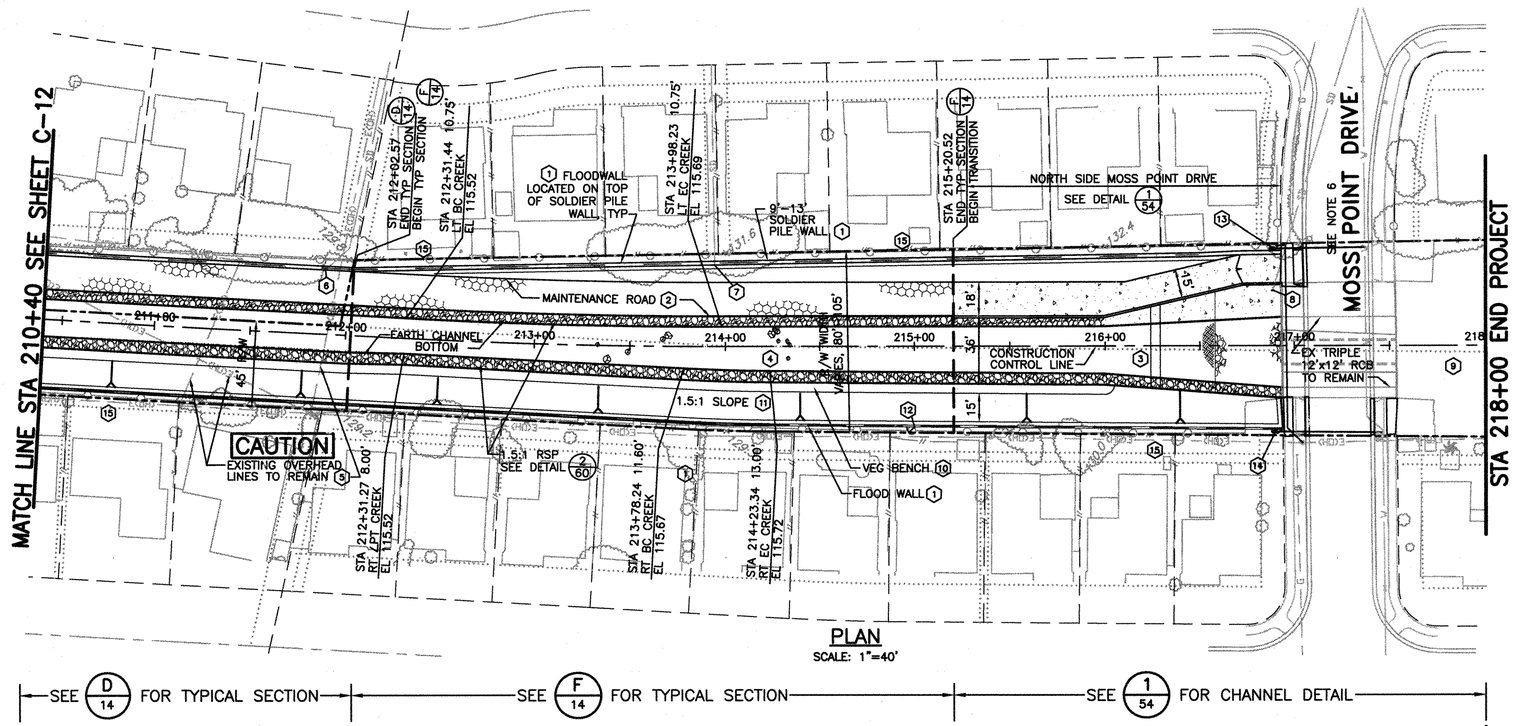
40264008



NOTES:

1. SEE DEMOLITION PLAN SHEETS 12–13 FOR REMOVAL OF EXISTING IMPROVEMENTS.
2. ALL OFFSET DISTANCES ARE MEASURED FROM THE CONSTRUCTION CONTROL LINE OF THE CHANNEL. SEE SHEETS 63–73 FOR CONTROL LINE LAYOUT.
3. EXISTING UTILITY LOCATIONS SHOWN ON PLANS ARE APPROXIMATE. CONTRACTOR SHALL LOCATE ALL EXISTING OVERHEAD AND UNDERGROUND UTILITY LINES AND POLES PRIOR TO CONSTRUCTION. CONTRACTOR TO COORDINATE WITH UTILITY COMPANIES SO THAT FLOODWALL PILES AND OTHER CONSTRUCTION ACTIVITIES DO NOT CONFLICT WITH EXISTING UTILITIES.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR COST OF REPLACEMENT OF ANY DAMAGED UTILITIES THAT ARE NOT CALLED OUT TO BE REMOVED.
5. ALL AREAS WITHIN DISTRICT RIGHT–OF–WAY SHALL BE GRADED SUCH THAT ALL RUNOFF DRAINS INTO THE CHANNEL.
6. SEE SHEETS 55 & 57 FOR MOSS POINT DRIVE IMPROVEMENTS AND TRAFFIC CONTROL.
7. SEE SHEET 84 FOR CREEK CROSS–SECTIONS AT 100 FOOT INTERVALS.

1. SEE STRUCTURAL PLANS FOR RETAINING WALL, FLOODWALL, WINGWALL & CONCRETE APRON DETAILS.
2. 18' WIDE MAINTENANCE ROAD. SEE DETAIL 3/60
3. STA 216+24–216+29 CONSTRUCT 5' WIDE LATERAL GRADE CONTROL STRUCTURE. SEE DETAIL 1/60
4. 1/2–1 TON BOULDERS. SEE LANDSCAPE SHEETS FOR DETAILS AND LOCATION.
5. STA 210+85±, 211+30±, 211+90± PROTECT IN PLACE EX OVERHEAD UTILITY LINES (ELEC, PHONE & CABLE), UTILITY POLES AND GUY ANCHORS.
6. STA 211+87.6± 34.0' LT
   END OF EX 18" CMP SD
   EX INV 122.4±
   SEE DETAIL 8/60
7. STA 213+94.5± 43.2' LT
   END OF EX 12" CMP SD
   EX INV 122.9±
   SEE DETAIL 8/60
8. STA 216+88.6± 29.4' LT
   END OF EX 27" CMP SD
   EX INV 123.0±
   SEE DETAIL 5/60
9. ENDING STATON IS APPROXIMATE.
10. VEGETATED BENCH WIDTH VARIES 5'–9'. SEE CHANNEL CROSS–SECTIONS ON SHEET 84 FOR BENCH DIMENSIONS.
11. SLOPE VWIDTH VARIES 10'–15'. SEE CHANNEL CROSS–SECTIONS ON SHEET 84 FOR SLOPE DIMENSIONS.
12. STA 215+00 42.68' RT
    4' WIDE SINGLE SWING GATE IN CL–3.5 FENCE
    SEE DETAIL 2/59
13. STA 216+88.97 51.37' LT 1" IRRIGATION WATER METER & SERVICE PER CSJ STD DWG W–2. SEE LANDSCAPE PLANS FOR IRRIGATION DETAILS.
14. STA 216+89.95 45.37' RT 1.5" IRRIGATION WATER METER & SERVICE PER CSJ STD DWG W–2. SEE LANDSCAPE PLANS FOR IRRIGATION DETAILS.
15. AT COMPLETION OF CONSTRUCTION, INSTALL CLF–6 0.5' FROM SCVWD R/W ALONG ENTIRE CREEK FRONTAGE.
    SEE DETAIL 4/59

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

RJA
RUGGERI-JENSEN-AZAR
ENGINEERS • PLANNERS • SURVEYORS
5000 CHANO ARROYO GILROY, CA 95020
PHONE: (408) 848-3300 FAX: (408) 848-3302

DATE
05-18-10
DESIGN
JS/CW
DRAWN
LW
CHECKED
CP

ENGINEERING CERTIFICATION
REGISTERED PROFESSIONAL ENGINEER MARITA A. CHAVEZ 5-31-10 CIVIL STATE OF CALIFORNIA
PROJECT ENGINEER 5/18/10 DATE

Santa Clara Valley Water District
ACCEPTED BY DISTRICT
Dennis Cheung 6/1/10
DATE

PROJECT NAME AND SHEET DESCRIPTION:
LOWER SILVER CREEK REACHES 4, 5 & 6A
PLAN & PROFILE STA 210+40 TO 218+00

SCALE	PROJECT NUMBER
AS SHOWN	40264008
VERIFY SCALES 0 1" BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	SHEET CODE: C-13
	PAGE NUMBER: 26 OF 188

DOCUMENT NUMBER: CAD_XX-X-XXXX-XXXXX
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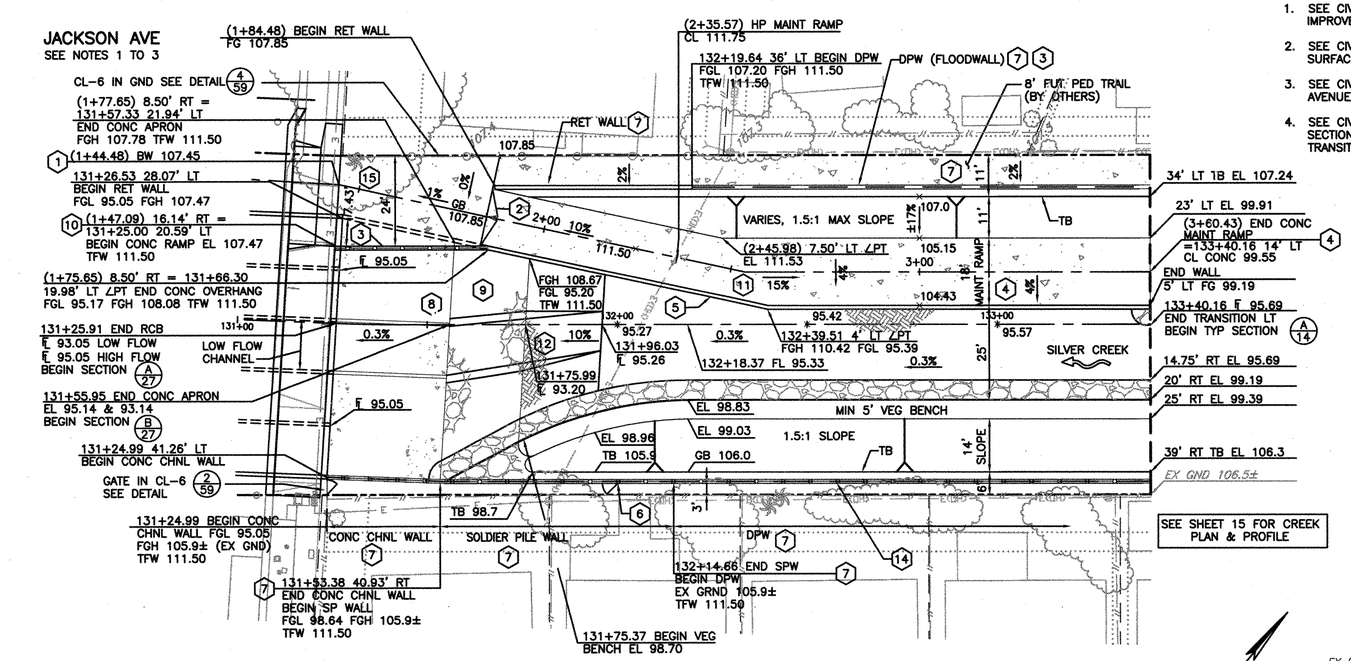


DETAIL 1/27 JACKSON AVENUE TRANSITION

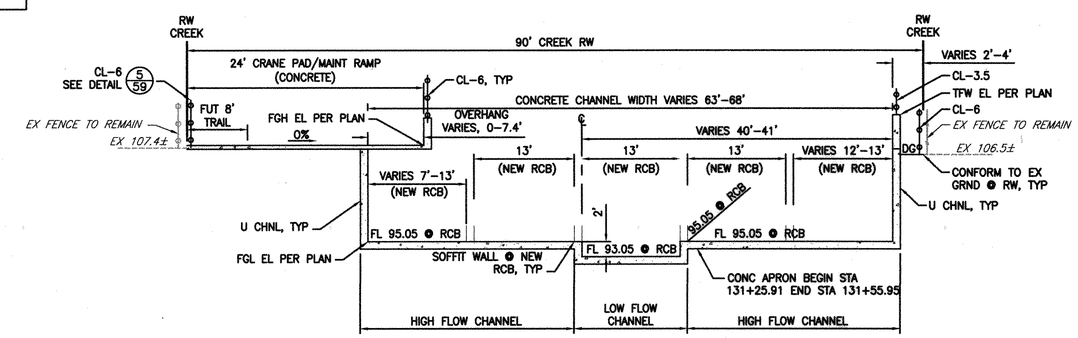
SCALE: 1"=20'

JACKSON AVENUE NOTES:

1. SEE CIVIL SHEET 28 FOR JACKSON AVENUE UTILITY IMPROVEMENTS.
2. SEE CIVIL SHEET 29 FOR JACKSON AVENUE SURFACE IMPROVEMENTS.
3. SEE CIVIL SHEETS 30 TO 33 FOR JACKSON AVENUE TRAFFIC CONTROL AND PHASING PLAN.
4. SEE CIVIL SHEET 74 FOR CHANNEL CROSS SECTIONS AT 100 FOOT INTERVALS IN THE TRANSITION AREA.

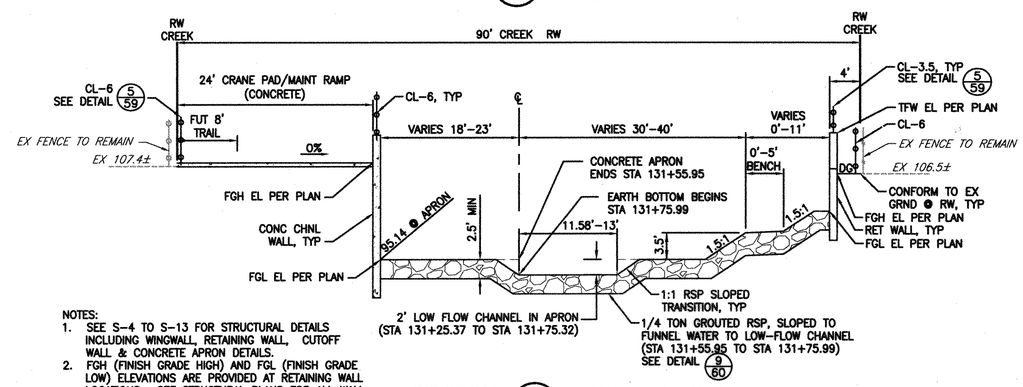
CONSTRUCTION NOTES:

1. CONSTRUCT NEW CURB AND GUTTER DRIVEWAY TRANSITION, SEE SHEET 29 FOR SURFACE IMPROVEMENTS.
2. 14' WIDE DOUBLE SWING GATE, SEE DETAIL 1/59
3. CL-6 IN CONCRETE WALL, SEE DETAIL 5/59
4. CONCRETE MAINTENANCE RAMP, SEE PROFILE BELOW AND DETAIL 5/61
5. 215 LF RETAINING WALL, SEE STRUCTURAL PLANS FOR RETAINING WALL PROFILE.
6. STA 132+00 42' RT, 4' WIDE SINGLE SWING GATE IN CL-3.5 FENCE SEE DETAIL 2/59
7. SEE STRUCTURAL PLAN SHEETS S6 TO S13 FOR ALL RETAINING WALL, FLOODWALL, WINGWALL & CONCRETE APRON DETAILS INCLUDING TOP OF WALL ELEVATIONS.
8. 30' LONG CONCRETE APRON IN LOW FLOW CHANNEL, SEE SECTION A/27
9. 20' LONG GROUTED RSP TRANSITION, SHAPED TO MATCH LOW-FLOW CROSS SECTION. SEE SECTION B/27
10. END CL-3.5 FENCE & CONNECT TO CONCRETE BARRIER/HEADWALL, SEE STRUCTURAL PLANS.
11. 40' LONG TRANSITION FROM 0% TO 4% CROSS SLOPE, BEGIN AT STA (2+35.57) AND END AT STA (2+75.57)
12. 20' LONG EARTH CHANNEL TRANSITION SLOPED AT 10% FROM STA 131+75.37 EL 93.20, TO STA 131+95.37 EL 95.26. TRANSITION TO OCCUR BETWEEN LOW FLOW AND HIGH FLOW CHANNEL.
13. STA 131+25± 42' RT, 4' WIDE SINGLE SWING GATE IN CL-6 FENCE SEE DETAIL 2/59
14. CL-3.5 IN CONCRETE WALL, SEE DETAIL 5/59
15. 24'x40' CONCRETE CRANE ACCESS PAD. CONCRETE PLATFORM OVERHANG FROM STA (1+47.09) TO STA (1+75.67) SEE STRUCTURAL PLAN SHEET S-11 FOR DETAILS.



SECTION A/27 CONCRETE APRON

SCALE: 1"=10'

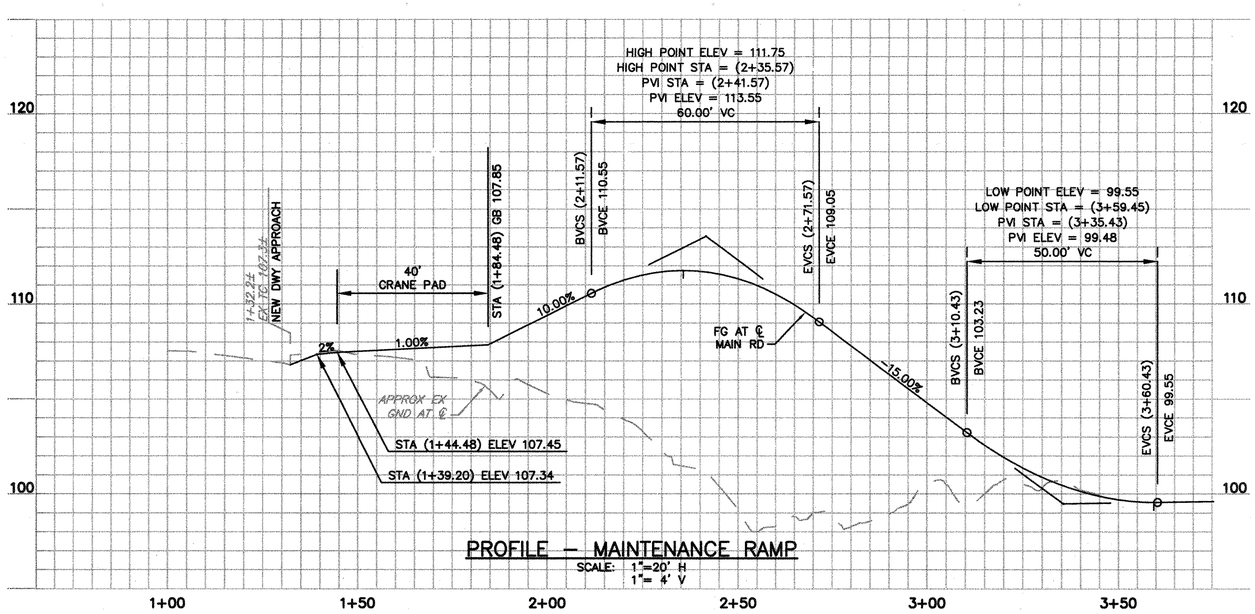


NOTES:

1. SEE S-4 TO S-13 FOR STRUCTURAL DETAILS INCLUDING WINGWALL, RETAINING WALL, CUTOFF WALL & CONCRETE APRON DETAILS.
2. FGH (FINISH GRADE HIGH) AND FGL (FINISH GRADE LOW) ELEVATIONS ARE PROVIDED AT RETAINING WALL LOCATIONS. SEE STRUCTURAL PLANS FOR ALL WALL DESIGN.

SECTION B/27 GROUTED RSP

SCALE: 1"=10'



PROFILE – MAINTENANCE RAMP

SCALE: 1"=20' H
1"= 4' V

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

RJA RUGGERI-JENSEN-AZAR
ENGINEERS • PLANNERS • SURVEYORS
5055 CAMINO ARROYO GILROY, CA 95020
PHONE: (408) 848-3200 FAX: (408) 848-3262

DATE	
05-18-10	
DESIGN	JS/CW
DRAWN	LW
CHECKED	CP

ENGINEERING CERTIFICATION

REGISTERED PROFESSIONAL ENGINEER — MAINTAIN — exp. 3-31-12 — CIVIL — STATE OF CALIFORNIA

PROJECT ENGINEER 5/18/10 DATE

Santa Clara Valley Water District

ACCEPTED BY DISTRICT

Dennis Cheong 6/1/10

DATE

PROJECT NAME AND SHEET DESCRIPTION:

LOWER SILVER CREEK REACHES 4, 5 & 6A

EAST CHANNEL DETAIL AT JACKSON AVENUE CROSSING

SCALE: AS SHOWN

VERIFY SCALES 0 1"

BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

PROJECT NUMBER: 40264008

SHEET CODE: C-14

PAGE NUMBER: 27 OF 188

DOCUMENT NUMBER: CAD_XX-X-XXXX-XXXXX 9026-93016

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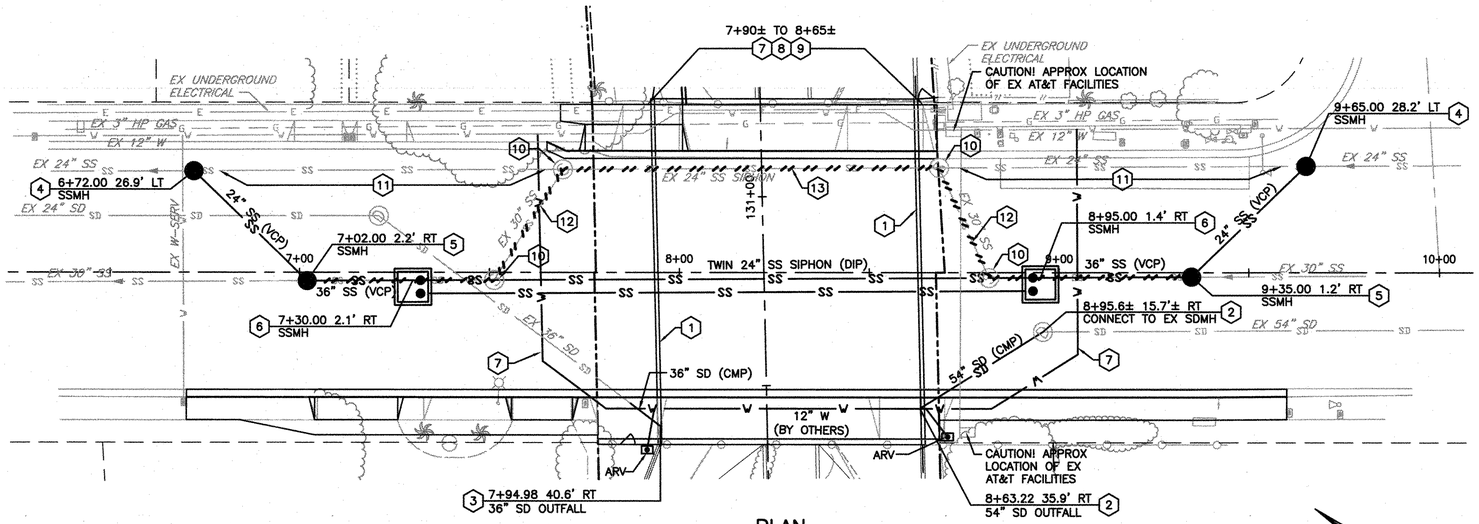
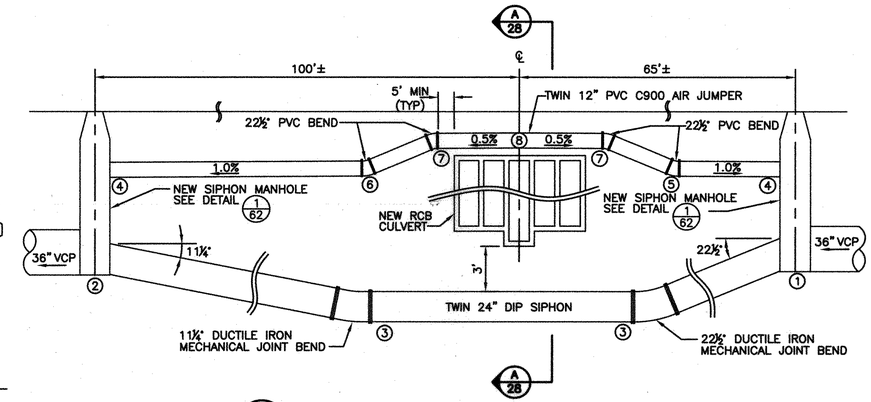


PLAN

SCALE: 1"=20'

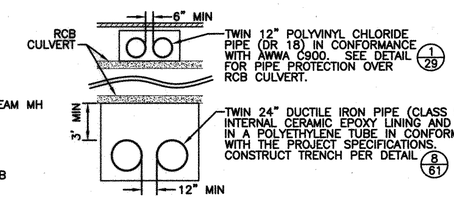


DETAIL 1/28 JACKSON AVENUE SANITARY SEWER SIPHON

NTS

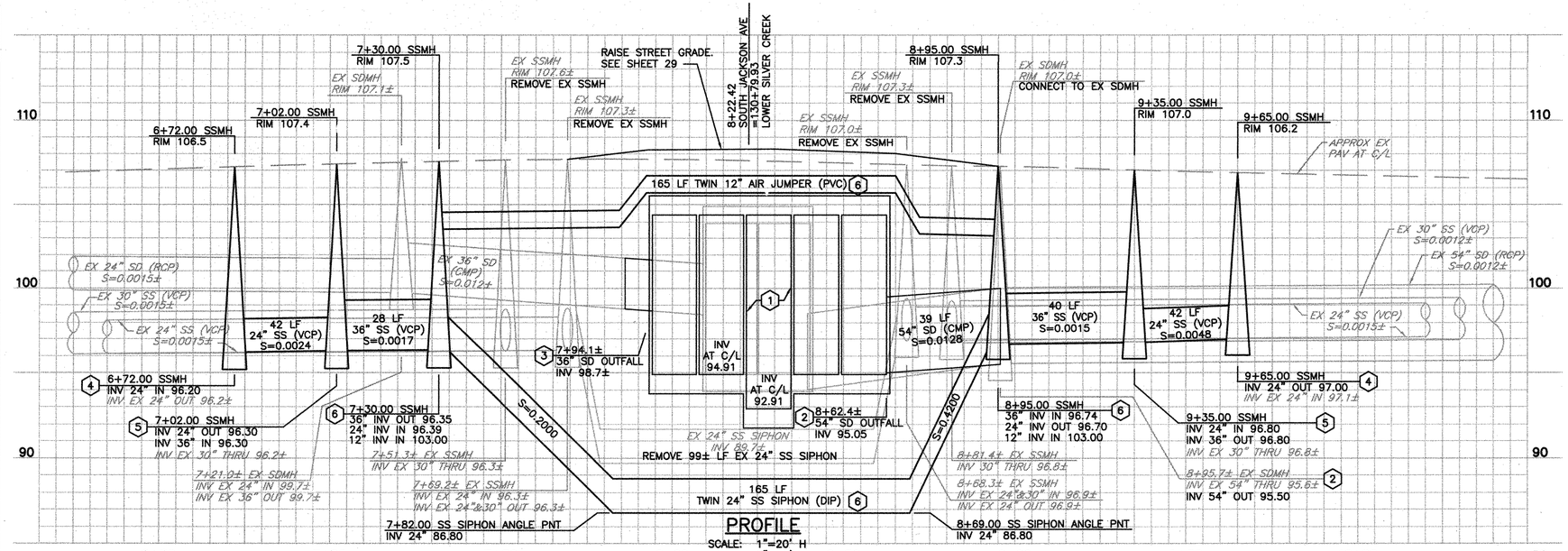
SIPHONS INVERT ELEVATION TABLE

POINT	ELEV	DESCRIPTION
1	96.70	24" DIP UPSTREAM MH
2	96.39	24" DIP DOWNSTREAM HM
3	86.80	24" DIP UNDER RCB
4	103.00	12" PVC UP AND DOWNSTREAM MH
5	103.25	12" PVC AT BEND
6	103.60	12" PVC AT BEND
7	105.70	12" PVC AT EDGE OF RCB
8	105.90	12" PVC AT CENTER OF RCB



SECTION A/28 JACKSON AVENUE SANITARY SEWER SIPHON

NTS



PROFILE

SCALE: 1"=20' H
1"= 4' V

JACKSON AVENUE NOTES:

1. SEE CIVIL SHEET 27 FOR JACKSON AVENUE EAST MAINTENANCE ROAD RAMP IMPROVEMENTS.
2. SEE CIVIL SHEET 29 FOR JACKSON AVENUE SURFACE IMPROVEMENTS.
3. SEE CIVIL SHEETS 30 TO 33 FOR JACKSON AVENUE TRAFFIC CONTROL AND PHASING PLAN.

CONSTRUCTION NOTES:

1. REMOVE EX 15'X9' RCB CULVERTS. CONSTRUCT 92± LF OF NEW RCB CULVERT PER STRUCTURAL DWGS. SEE SHEETS S-5 TO S-13.
2. REMOVE 66± LF EX 54" CMP SD. INSTALL 39 LF NEW 54" CMP SD (S=0.0128) FROM EX SDMH TO NEW RCB CULVERT. CUT PIPE FLUSH WITH RCB WALL & INSTALL FLAPGATE. FLAPGATE SHALL BE WATERMAN MODEL F-10, OR FRESNO MODEL 10C OR APPROVED EQUAL, WITH SAFETY BARS AND FASTENINGS. SEE DETAIL 1/S10
3. REMOVE 27± LF EX 36" CMP SD. INSTALL 10 LF NEW 36" CMP SD (S=0.012±). CUT PIPE FLUSH WITH RCB WALL & INSTALL FLAPGATE FLAPGATE SHALL BE WATERMAN MODEL F-10, OR FRESNO MODEL 10C OR APPROVED EQUAL, WITH SAFETY BARS AND FASTENINGS. SEE DETAIL 2/S10
4. INSTALL 48"ø SSMH OVER EX 24" VCP SS PIPE PER CSJ STD DWG D-10 & D-12. POTHOLE EX PIPE PRIOR TO CONSTRUCTION. POTHOLE AND VERIFY DESIGN ELEVATIONS AND PIPE SLOPES PRIOR TO CONSTRUCTING SEWER & SIPHON MANHOLES.
5. INSTALL 48"ø SSMH OVER EX 30" VCP SS PIPE PER CSJ STD DWG D-10 & D-12. POTHOLE EX PIPE PRIOR TO CONSTRUCTION. POTHOLE AND VERIFY DESIGN ELEVATIONS AND PIPE SLOPES PRIOR TO CONSTRUCTING SEWER & SIPHON MANHOLES
6. INSTALL SIPHON MANHOLE PER DETAIL 1/62. INSTALL TWIN 24" DIP SIPHON AND TWIN 12" PVC AIR JUMPER BETWEEN STA 7+30.00 & 8+95.00. SEE DETAIL 1/28
7. CAUTION! EX WATER LINE TO BE RELOCATED BY SAN JOSE WATER COMPANY. SEE PLAN FOR APPROXIMATE LOCATION.
8. CAUTION! EX HIGH PRESSURE GAS LINE TO REMAIN. CONTRACTOR SHALL COORDINATE WITH PG&E.
9. CAUTION! EX UNDERGROUND ELECTRIC AND COMMUNICATION UTILITIES TO REMAIN. PG&E WILL INSTALL TEMPORARY POLES TO PROVIDE TEMPORARY OVERHEAD CROSSING OF UTILITIES DURING RCB CULVERT CONSTRUCTION. CONTRACTOR SHALL COORDINATE CONSTRUCTION OPERATIONS WITH PG&E AND AT&T.
10. REMOVE EX SS MANHOLE.
11. ABANDON 188± LF EX 24" SS (VCP).
12. REMOVE 168± LF EX 30" SS (VCP).
13. REMOVE 99± LF EX 24" SS SIPHON.

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

RJA RUGGERI-JENSEN-AZAR
ENGINEERS • PLANNERS • SURVEYORS
1600 CAMINO ARROYO GILROY, CA 95020
PHONE: (408) 848-0300 FAX: (408) 848-0301

DATE	05-18-10
DESIGN	JS/CW
DRAWN	LW
CHECKED	CP

ENGINEERING CERTIFICATION
REGISTERED PROFESSIONAL ENGINEER MANJIT S. JOHAL No. C 34 EXP. 3-31-12 CIVIL STATE OF CALIFORNIA
5/18/10
PROJECT ENGINEER DATE

Santa Clara Valley Water District
ACCEPTED BY DISTRICT
Dennis Cheung 6/1/10
DATE

PROJECT NAME AND SHEET DESCRIPTION:

LOWER SILVER CREEK REACHES 4, 5 & 6A

UTILITY IMPROVEMENTS JACKSON AVENUE OVERCROSSING

SCALE	PROJECT NUMBER
AS SHOWN	40264008
VERIFY SCALES 0 1" BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	SHEET CODE: C-15
	PAGE NUMBER: 28 OF 188

DOCUMENT NUMBER: CAD_XX-X-XXXX-XXXXX
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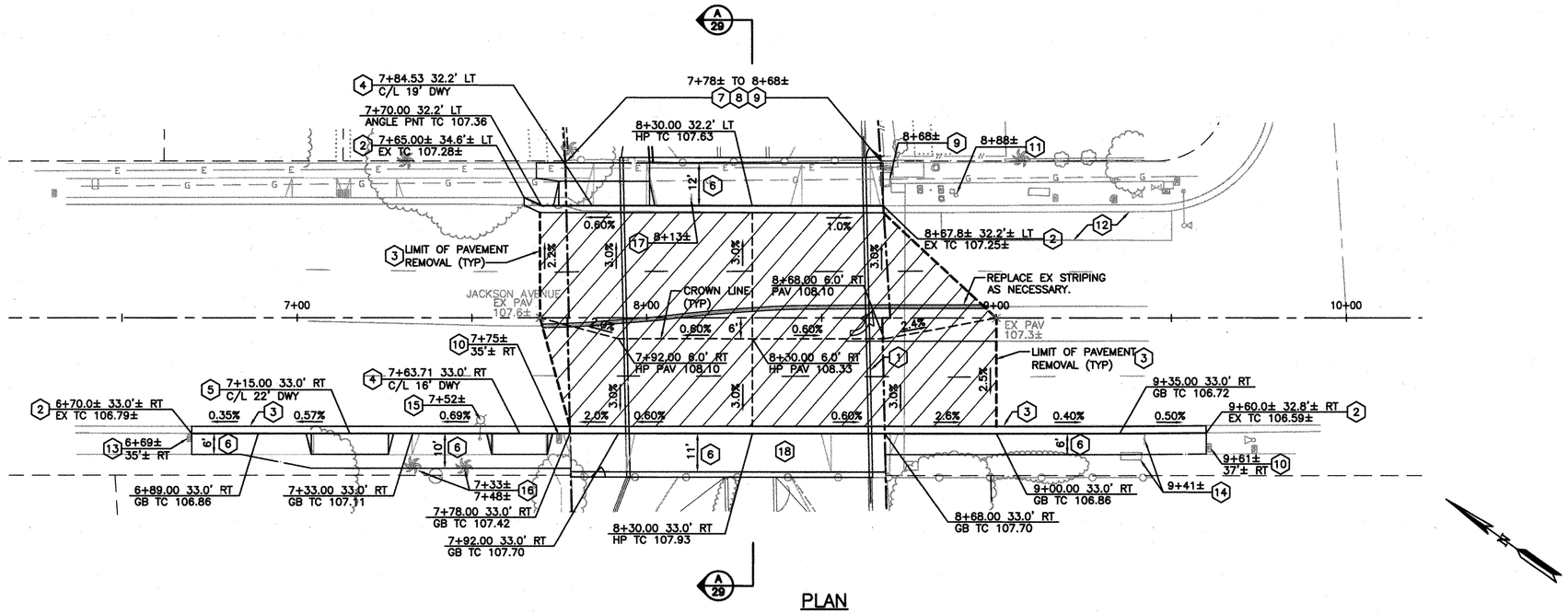
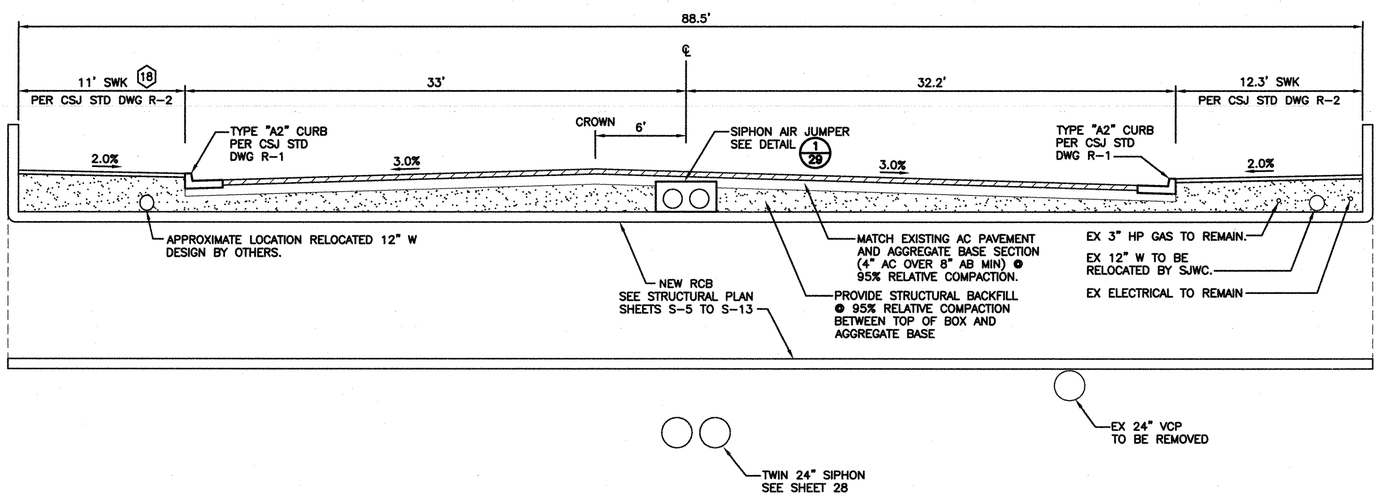
9026-43017



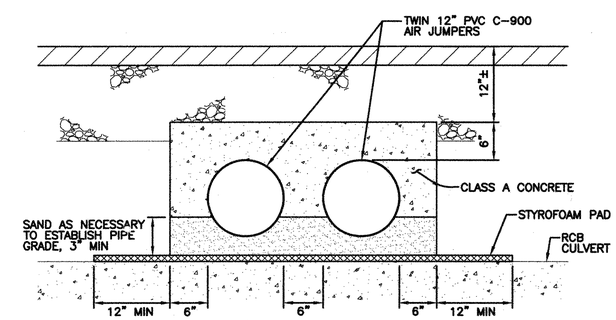
PLAN

SCALE: 1"=20'



SECTION A/29 JACKSON AVENUE

NTS



DETAIL 1/29 AIR JUMPER AT JACKSON AVENUE RCB

NTS

JACKSON AVENUE NOTES:

1. SEE CIVIL SHEET 27 FOR JACKSON AVENUE EAST MAINTENANCE ROAD RAMP IMPROVEMENTS.
2. SEE CIVIL SHEET 28 FOR JACKSON AVENUE UTILITY IMPROVEMENTS.
3. SEE CIVIL SHEETS 30 TO 33 FOR JACKSON AVENUE TRAFFIC CONTROL AND PHASING PLAN.

CONSTRUCTION NOTES:

1. REMOVE EX 15'X9' RCB CULVERTS. CONSTRUCT 92± LF OF NEW RCB CULVERT PER STRUCTURAL DWGS. SEE STRUCTURAL PLAN SHEETS S-5 TO S-13. REMOVE AND REPLACE EX PAVEMENT AND STRIPING AS SHOWN.
2. REMOVE EX CURB, GUTTER, SWK, & DWY. CONSTRUCT TYPE 'A2' CURB PER CSJ STD DWG R-1. MATCH EX CURB AND SWK GRADES.
3. CONFORM TO EX PAVEMENT. SEE DETAIL 3/61
4. CONSTRUCT 16' WIDE DWY PER CSJ STD DWG R-6.
5. CONSTRUCT 22' WIDE DWY PER CSJ STD DWG R-7.
6. CONSTRUCT SWK AT 2% MINIMUM SLOPE PER CSJ STD DWG R-2. CONFORM TO EX SWK AT ENDS.
7. CAUTION! EX WATER LINE TO BE RELOCATED BY SAN JOSE WATER COMPANY.
8. CAUTION! EX HIGH PRESSURE GAS LINE TO BE RELOCATED BY PG&E.
9. CAUTION! EX UNDERGROUND ELECTRIC UTILITY AND VAULTS TO REMAIN. PROTECT IN PLACE. CONTRACTOR SHALL COORDINATE WITH PG&E.
10. EX TRAFFIC SIGNAL BOX AND LINE TO REMAIN. PROTECT IN PLACE.
11. EX SIREN TO REMAIN. PROTECT IN PLACE.
12. EX BUS STOP PAD TO REMAIN. PROTECT IN PLACE.
13. EX WATER SERVICE TO REMAIN. PROTECT IN PLACE.
14. REMOVE AND SALAVAGE EX BUS STOP SIGN AND BENCH. REINSTALL AFTER CURB, GUTTER, AND SWK RECONSTRUCTION IS COMPLETE.
15. REMOVE AND SALVAGE EX STREET LIGHT. REINSTALL AFTER CURB, GUTTER, AND SWK RECONSTRUCTION IS COMPLETE.
16. RELOCATE EX TREES OUTSIDE OF NEW SWK. EX FOUNTAIN TO REMAIN. PROTECT IN PLACE.
17. REMOVE AND SALVAGE EX BRIDGE CLEARANCE SIGN. REINSTALL AFTER CURB, GUTTER, AND SWK RECONSTRUCTION IS COMPLETE.
18. SIDEWALK SECTION SHALL BE 6" PCC/3" CLASS III AB FROM STA 7+78 TO 8+75.

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

RJA
RUGGERI-JENSEN-AZAR
ENGINEERS • PLANNERS • SURVEYORS
5353 CHINO AVENUE GILROY, CA 95020
PHONE: (408) 848-3200 FAX: (408) 848-3202

DATE	05-18-10
DESIGN	JS/CW
DRAWN	LW
CHECKED	CP

ENGINEERING CERTIFICATION

REGISTERED PROFESSIONAL ENGINEER ARMANTO JO AZAR No. C 35811 CIVIL STATE OF CALIFORNIA
Exp. 3-31-12

PROJECT ENGINEER DATE

Santa Clara Valley Water District

ACCEPTED BY DISTRICT

Dennis Cheung 6/1/10

DATE

PROJECT NAME AND SHEET DESCRIPTION:

LOWER SILVER CREEK REACHES 4, 5 & 6A

SURFACE IMPROVEMENTS JACKSON AVENUE OVERCROSSING

SCALE	PROJECT NUMBER
AS SHOWN	40264008
VERIFY SCALES 0 1" BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	SHEET CODE: C-16
	PAGE NUMBER: 29 OF 188

DOCUMENT NUMBER: CAD_XX-X-XXXX-XXXXX

40264008

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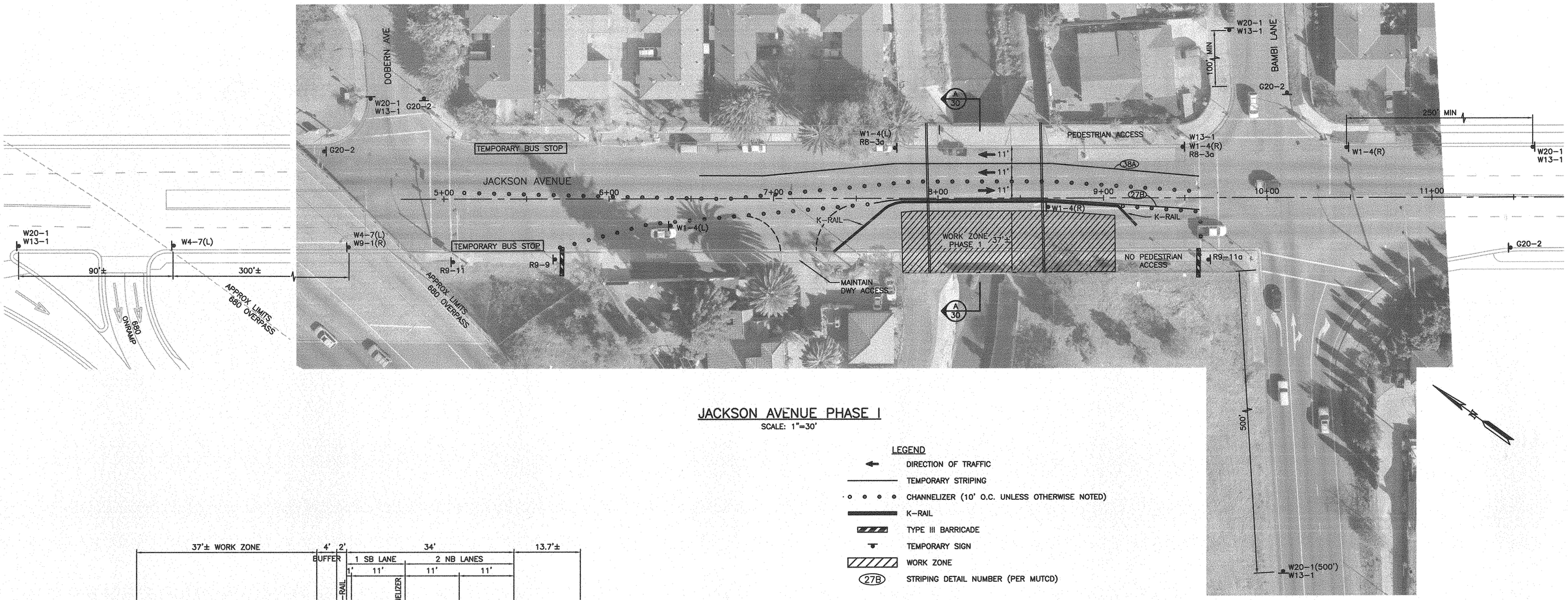
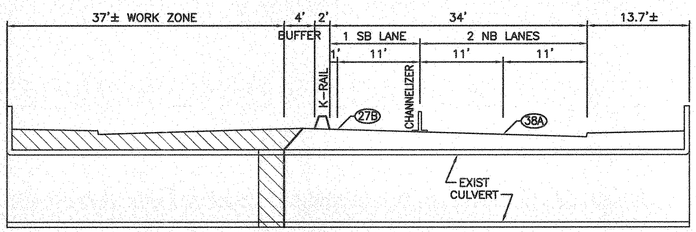


JACKSON AVENUE PHASE I

SCALE: 1"=30'

LEGEND

- DIRECTION OF TRAFFIC
- TEMPORARY STRIPING
- CHANNELIZER (10' O.C. UNLESS OTHERWISE NOTED)
- K-RAIL
- TYPE III BARRICADE
- TEMPORARY SIGN
- WORK ZONE
- (27B) STRIPING DETAIL NUMBER (PER MUTCD)



SECTION A PHASE I WORK ZONE

NTS

PHASE 1 DESCRIPTION OF WORK

DEMOLITION:
1. REMOVE 290± LF EX CURB, GUTTER & SIDEWALK ON WEST SIDE OF JACKSON AVENUE
2. REMOVE 32± LF EX RCB CULVERT & ASSOCIATED PAVEMENT
3. REMOVE 10± LF EX 36" CMP OUTFALL.
4. REMOVE 38± LF EX 54" CMP OUTFALL.

CONSTRUCTION:
1. INSTALL 32± LF NEW RCB CULVERT.
2. INSTALL NEW 30" & 54" CMP OUTFALLS.
3. REPLACE PAVEMENT OVER NEW RCB CULVERT.
4. INSTALL TEMPORARY PAVEMENT AT WEST SIDEWALK FOR PHASE 2 & 3 WORK.

SIGN CODE (PER MUTCD)

R8-3	NO PARKING (SYMBOL)
R9-9	SIDEWALK CLOSED
R9-11	SIDEWALK CLOSED AHEAD – CROSS HERE
R9-11a	SIDEWALK CLOSED – CROSS HERE
W1-4	LANE SHIFT ARROW – LEFT (L) OR RIGHT (R)
W4-7	THRU TRAFFIC MERGE – LEFT (L) OR RIGHT (R)
W9-1	LANE ENDS – LEFT (L) OR RIGHT (R)
W13-1	SPEED LIMIT (25 MPH)
W20-1	ROAD WORK AHEAD
G20-2	END ROAD WORK

GENERAL TRAFFIC CONTROL NOTES

1. ALL TRAFFIC CONTROL DEVICES, SIGNS, AND METHODS SHALL ADHERE TO SECTION 6 OF THE LATEST VERSION OF THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
2. THE TRAFFIC CONTROL SHOWN ON THIS PLAN IS THE MINIMUM NECESSARY FOR THE PHASE OF WORK DESCRIBED HEREIN. THE CONTRACTOR SHALL SUBMIT PROPOSED WORK SCHEDULE AND TRAFFIC CONTROL AND PHASING PLANS TO THE CITY OF SAN JOSE FOR REVIEW AND APPROVAL PRIOR TO BEGINNING CONSTRUCTION.
3. NO WORK THAT INTERFERES WITH PUBLIC TRAFFIC SHALL BE PERFORMED BEFORE 8:30AM NOR AFTER 3:30PM.
4. SEE SHEETS 28 AND 29 FOR JACKSON AVENUE ULTIMATE UTILITY AND SURFACE IMPROVEMENTS.
5. CONTRACTOR SHALL COORDINATE TEMPORARY BUS STOP RELOCATION WITH SANTA CLARA VALLEY TRANSPORTATION AUTHORITY (VTA) PRIOR TO BEGINNING CONSTRUCTION.
6. CONTRACTOR SHALL COORDINATE TRAFFIC SIGNAL AND DETECTOR CHANGES WITH THE CITY OF SAN JOSE AND CALTRANS.

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

RJA RUGGERI-JENSEN-AZAR ENGINEERS • PLANNERS • SURVEYORS 8000 CAMINO ARROYO GILROY, CA 95020 PHONE: (408) 848-3300 FAX: (408) 848-3302

DATE 05-18-10
DESIGN JS/CW
DRAWN LW
CHECKED CP

ENGINEERING CERTIFICATION
REGISTERED PROFESSIONAL ENGINEER CHRISTOPHER PAUL WINTER No. C 61811 CIVIL STATE OF CALIFORNIA
3-31-12
5/18/10
PROJECT ENGINEER DATE

Santa Clara Valley Water District
ACCEPTED BY DISTRICT
Dennis Cheung 6/1/10
DATE

PROJECT NAME AND SHEET DESCRIPTION:
LOWER SILVER CREEK REACHES 4, 5 & 6A
TRAFFIC CONTROL PLAN JACKSON AVENUE OVERCROSSING PHASE 1

SCALE: AS SHOWN
VERIFY SCALES: 0 1"
BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

PROJECT NUMBER: 40264008
SHEET CODE: C-17
PAGE NUMBER: 30 OF 188

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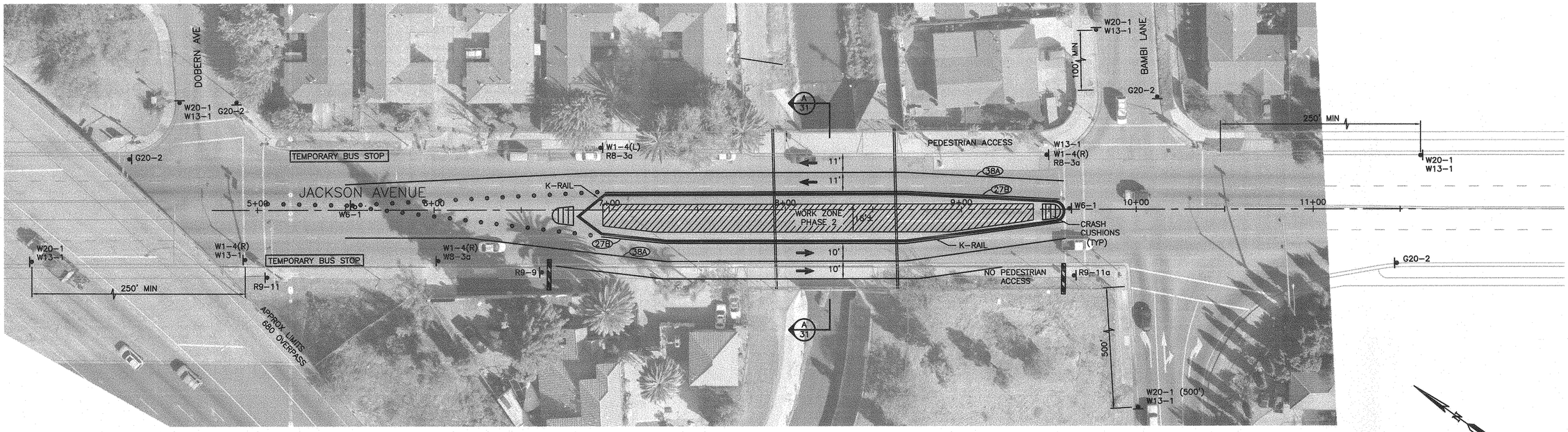
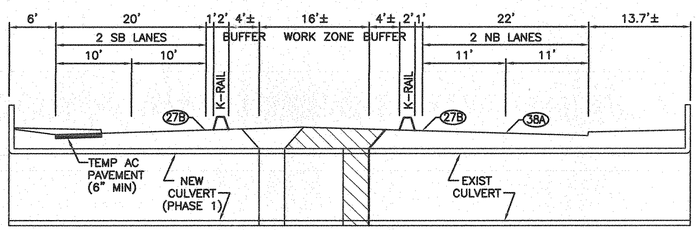
40264008



JACKSON AVENUE PHASE 2

SCALE: 1"=30'



SECTION A PHASE 2 WORK ZONE

NTS

LEGEND

- DIRECTION OF TRAFFIC
- TEMPORARY STRIPING
- CHANNELIZER (10' O.C. UNLESS OTHERWISE NOTED)
- K-RAIL
- TYPE III BARRICADE
- TEMPORARY SIGN
- WORK ZONE
- 27B — STRIPING DETAIL NUMBER (PER MUTCD)

PHASE 2 DESCRIPTION OF WORK

DEMOLITION:
1. REMOVE 12± LF EX RCB CULVERT & ASSOCIATED PAVEMENT
2. REMOVE 104± LF EX 30" SS AND TWO MANHOLES.

CONSTRUCTION:
1. INSTALL 12± LF NEW RCB CULVERT.
2. INSTALL NEW TWIN 24" SS SIPHON, 12" JUMPER AND ASSOCIATED MANHOLE STRUCTURES.
3. INSTALL NEW 36" & 24" SS AND ASSOCIATED MANHOLE STRUCTURES.
4. REPLACE PAVEMENT OVER NEW CULVERT AND SS TRENCHES.

SIGN CODE (PER MUTCD)

R8-3	NO PARKING (SYMBOL)
R9-9	SIDEWALK CLOSED
R9-11	SIDEWALK CLOSED AHEAD – CROSS HERE
R9-11a	SIDEWALK CLOSED – CROSS HERE
W1-4	LANE SHIFT ARROW – LEFT (L) OR RIGHT (R)
W4-7	THRU TRAFFIC MERGE – LEFT (L) OR RIGHT (R)
W9-1	LANE ENDS – LEFT (L) OR RIGHT (R)
W13-1	SPEED LIMIT (25 MPH)
W20-1	ROAD WORK AHEAD
G20-2	END ROAD WORK

GENERAL TRAFFIC CONTROL NOTES

1. ALL TRAFFIC CONTROL DEVICES, SIGNS, AND METHODS SHALL ADHERE TO SECTION 6 OF THE LATEST VERSION OF THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
2. THE TRAFFIC CONTROL SHOWN ON THIS PLAN IS THE MINIMUM NECESSARY FOR THE PHASE OF WORK DESCRIBED HEREIN. THE CONTRACTOR SHALL SUBMIT PROPOSED WORK SCHEDULE AND TRAFFIC CONTROL AND PHASING PLANS TO THE CITY OF SAN JOSE FOR REVIEW AND APPROVAL PRIOR TO BEGINNING CONSTRUCTION.
3. NO WORK THAT INTERFERES WITH PUBLIC TRAFFIC SHALL BE PERFORMED BEFORE 8:30AM NOR AFTER 3:30PM.
4. SEE SHEETS 28 AND 29 FOR JACKSON AVENUE ULTIMATE UTILITY AND SURFACE IMPROVEMENTS.
5. CONTRACTOR SHALL COORDINATE TEMPORARY BUS STOP RELOCATION WITH SANTA CLARA VALLEY TRANSPORTATION AUTHORITY (VTA) PRIOR TO BEGINNING CONSTRUCTION.
6. CONTRACTOR SHALL COORDINATE TRAFFIC SIGNAL AND DETECTOR CHANGES WITH THE CITY OF SAN JOSE AND CALTRANS.

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

RJA RUGGERI-JENSEN-AZAR
ENGINEERS • PLANNERS • SURVEYORS
2020 CHAMBO ARRETO GILROY, CA 95020
PHONE: (408) 848-0300 FAX: (408) 848-0302

DATE 05-18-10
DESIGN JS/CW
DRAWN LW
CHECKED CP

ENGINEERING CERTIFICATION
REGISTERED PROFESSIONAL ENGINEER MANUEL DO JANTAR CIVIL STATE OF CALIFORNIA
5/18/10
PROJECT ENGINEER DATE

Santa Clara Valley Water District
ACCEPTED BY DISTRICT
Dennis Cheong 6/1/10
DATE

PROJECT NAME AND SHEET DESCRIPTION:

LOWER SILVER CREEK REACHES 4, 5 & 6A

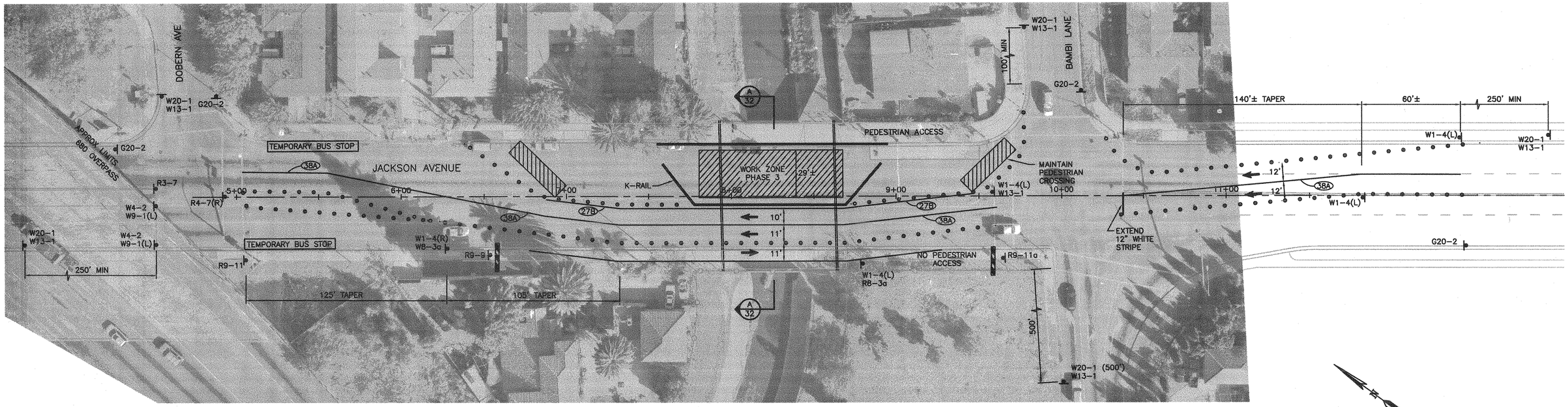
TRAFFIC CONTROL PLAN JACKSON AVENUE OVERCROSSING PHASE 2

SCALE: AS SHOWN
VERIFY SCALES 0 1"
BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

PROJECT NUMBER 40264008
SHEET CODE: C-18
PAGE NUMBER: 31 OF 188

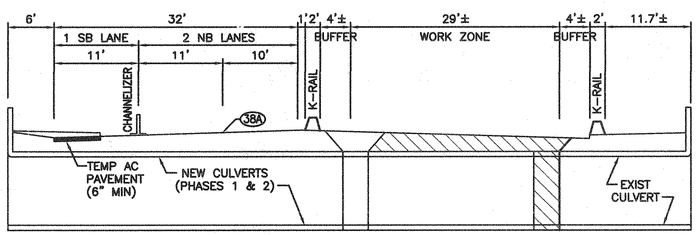
DOCUMENT NUMBER: CAD_XX-X-XXXX-XXXXX 9026-93020

USERNAME: LWinter Wed 19 May 2010 02:30pm
FILENAME: W:\Jobs 09\09251\Drawings\Final\Plans\31 C-18 TRAFCTL JACKSON-2



JACKSON AVENUE PHASE 3

SCALE: 1"=30'



SECTION A PHASE 3 WORK ZONE

NTS

PHASE 3 DESCRIPTION OF WORK

DEMOLITION:
1. REMOVE 24± LF EX RCB CULVERT & ASSOCIATED PAVEMENT.
2. REMOVE 99± LF EX 24" SIPHON & ASSOCIATED MANHOLE STRUCTURES.

CONSTRUCTION:
1. INSTALL 124± LF NEW RCB CULVERT.
2. INSTALL NEW 24" SS MAINS TO EX PIPE POINT OF CONNECTION.
3. REPLACE PAVEMENT OVER NEW RCB CULVERT AND SS TRENCH.

LEGEND

- DIRECTION OF TRAFFIC
- TEMPORARY STRIPING
- CHANNELIZER (10' O.C. UNLESS OTHERWISE NOTED)
- K-RAIL
- TYPE III BARRICADE
- TEMPORARY SIGN
- WORK ZONE
- 27B — STRIPING DETAIL NUMBER (PER MUTCD)

SIGN CODE (PER MUTCD)

R3-7	LEFT LANE MUST TURN LEFT
R4-7	KEEP RIGHT (SYMBOL)
R8-3	NO PARKING (SYMBOL)
R9-9	SIDEWALK CLOSED
R9-11	SIDEWALK CLOSED AHEAD – CROSS HERE
R9-11a	SIDEWALK CLOSED – CROSS HERE
W1-4	LANE SHIFT ARROW – LEFT (L) OR RIGHT (R)
W4-2	LANE ENDS (SYMBOL)
W4-7	THRU TRAFFIC MERGE – LEFT (L) OR RIGHT (R)
W9-1	LANE ENDS – LEFT (L) OR RIGHT (R)
W13-1	SPEED LIMIT (25 MPH)
W20-1	ROAD WORK AHEAD
G20-2	END ROAD WORK

GENERAL TRAFFIC CONTROL NOTES

1. ALL TRAFFIC CONTROL DEVICES, SIGNS, AND METHODS SHALL ADHERE TO SECTION 6 OF THE LATEST VERSION OF THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
2. THE TRAFFIC CONTROL SHOWN ON THIS PLAN IS THE MINIMUM NECESSARY FOR THE PHASE OF WORK DESCRIBED HEREIN. THE CONTRACTOR SHALL SUBMIT PROPOSED WORK SCHEDULE AND TRAFFIC CONTROL AND PHASING PLANS TO THE CITY OF SAN JOSE FOR REVIEW AND APPROVAL PRIOR TO BEGINNING CONSTRUCTION.
3. NO WORK THAT INTERFERES WITH PUBLIC TRAFFIC SHALL BE PERFORMED BEFORE 8:30AM NOR AFTER 3:30PM.
4. SEE SHEETS 28 AND 29 FOR JACKSON AVENUE ULTIMATE UTILITY AND SURFACE IMPROVEMENTS.
5. CONTRACTOR SHALL COORDINATE TEMPORARY BUS STOP RELOCATION WITH SANTA CLARA VALLEY TRANSPORTATION AUTHORITY (VTA) PRIOR TO BEGINNING CONSTRUCTION.
6. CONTRACTOR SHALL COORDINATE TRAFFIC SIGNAL AND DETECTOR CHANGES WITH THE CITY OF SAN JOSE AND CALTRANS.

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

RJA RUGGERI-JENSEN-AZAR
ENGINEERS • PLANNERS • SURVEYORS
5353 DUBLIN ARROYO GLROY, CA 95020
PHONE (408) 848-0300 FAX (408) 848-0308

DATE 05-18-10
DESIGN JS/CW
DRAWN LW
CHECKED CP

ENGINEERING CERTIFICATION
REGISTERED PROFESSIONAL ENGINEER JAMES A. SCHWARTZ No. C 31722 STATE OF CALIFORNIA
5/18/10
PROJECT ENGINEER DATE

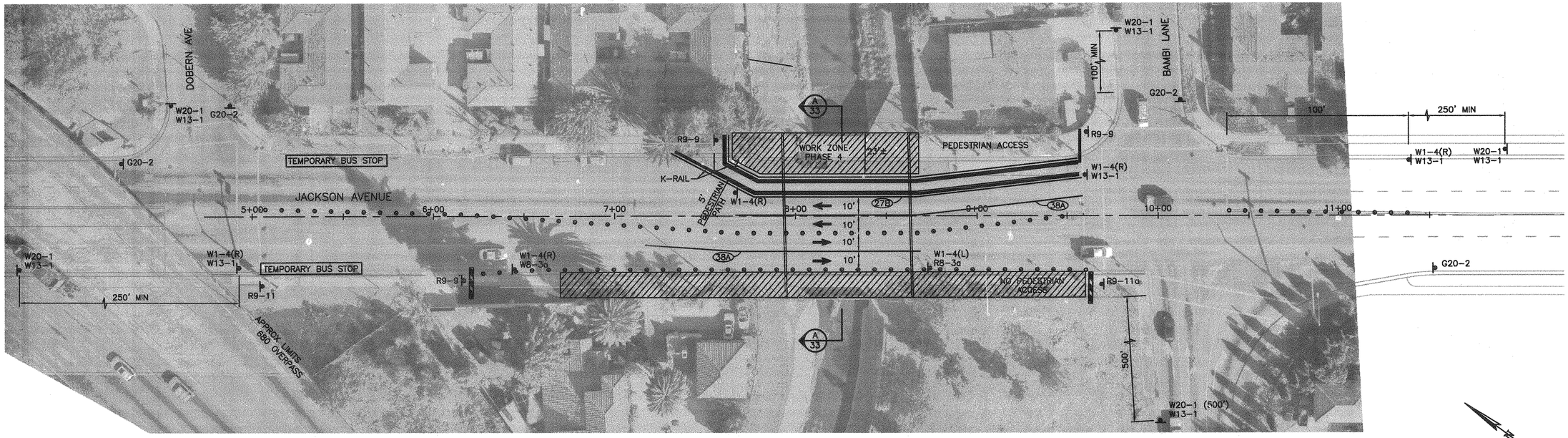
Santa Clara Valley Water District
ACCEPTED BY DISTRICT
Dennis Cheong 6/1/10
DATE

PROJECT NAME AND SHEET DESCRIPTION:
LOWER SILVER CREEK REACHES 4, 5 & 6A
TRAFFIC CONTROL PLAN JACKSON AVENUE OVERCROSSING PHASE 3

SCALE: AS SHOWN
VERIFY SCALES 0 1"
BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

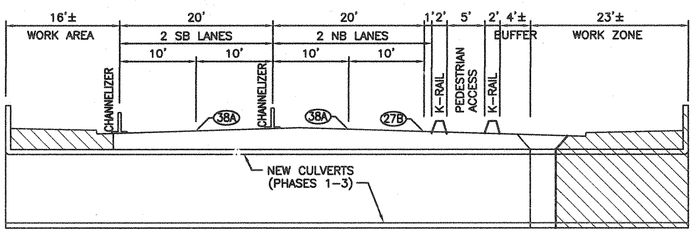
PROJECT NUMBER 40264008
SHEET CODE: C-19
PAGE NUMBER: 32 OF 188

DOCUMENT NUMBER: CAD_XX-X-XXXX-XXXXX 4026-43021
USERNAME: CLaQlair Thu 27 May 2010 05:43pm
FILENAME: W:\Jobs 09\092051\Drawings\Final\Plans\32 C-19 TRAFCTL JACKSON+3



JACKSON AVENUE PHASE 4

SCALE: 1"=30'



SECTION A PHASE 4 WORK ZONE

NTS

LEGEND

- DIRECTION OF TRAFFIC
- TEMPORARY STRIPING
- CHANNELIZER (10' O.C. UNLESS OTHERWISE NOTED)
- K-RAIL
- TYPE III BARRICADE
- TEMPORARY SIGN
- WORK ZONE
- 27B STRIPING DETAIL NUMBER (PER MUTCD)

SIGN CODE (PER MUTCD)

R8-3	NO PARKING (SYMBOL)
R9-9	SIDEWALK CLOSED
R9-11	SIDEWALK CLOSED AHEAD – CROSS HERE
R9-11a	SIDEWALK CLOSED – CROSS HERE
W1-4	LANE SHIFT ARROW – LEFT (L) OR RIGHT (R)
W4-7	THRU TRAFFIC MERGE – LEFT (L) OR RIGHT (R)
W9-1	LANE ENDS – LEFT (L) OR RIGHT (R)
W13-1	SPEED LIMIT (25 MPH)
W20-1	ROAD WORK AHEAD
G20-2	END ROAD WORK

GENERAL TRAFFIC CONTROL NOTES

1. ALL TRAFFIC CONTROL DEVICES, SIGNS, AND METHODS SHALL ADHERE TO SECTION 6 OF THE LATEST VERSION OF THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
2. THE TRAFFIC CONTROL SHOWN ON THIS PLAN IS THE MINIMUM NECESSARY FOR THE PHASE OF WORK DESCRIBED HEREIN. THE CONTRACTOR SHALL SUBMIT PROPOSED WORK SCHEDULE AND TRAFFIC CONTROL AND PHASING PLANS TO THE CITY OF SAN JOSE FOR REVIEW AND APPROVAL PRIOR TO BEGINNING CONSTRUCTION.
3. NO WORK THAT INTERFERES WITH PUBLIC TRAFFIC SHALL BE PERFORMED BEFORE 8:30AM NOR AFTER 3:30PM.
4. SEE SHEETS 28 AND 29 FOR JACKSON AVENUE ULTIMATE UTILITY AND SURFACE IMPROVEMENTS.
5. CONTRACTOR SHALL COORDINATE TEMPORARY BUS STOP RELOCATION WITH SANTA CLARA VALLEY TRANSPORTATION AUTHORITY (VTA) PRIOR TO BEGINNING CONSTRUCTION.
6. CONTRACTOR SHALL COORDINATE TRAFFIC SIGNAL AND DETECTOR CHANGES WITH THE CITY OF SAN JOSE AND CALTRANS.

PHASE 4 DESCRIPTION OF WORK

DEMOLITION:
1. REMOVE 19± LF EX RCB CULVERT & ASSOCIATED PAVEMENT.
2. REMOVE 103± LF EX CURB, GUTTER & SIDEWALK ON EAST SIDE OF JACKSON AVENUE.
3. REMOVE TEMPORARY AC PAVEMENT ON WEST SIDE OF ROAD.

CONSTRUCTION:
1. INSTALL 23± LF NEW RCB CULVERT.
2. INSTALL NEW CURB, GUTTER, SIDEWALK & DRIVEWAY ON BOTH SIDES OF JACKSON AVENUE.
3. REPLACE AC PAVEMENT OVER NEW RCB CULVERT.
4. REPALCE REMOVED STREET FURNISHINGS INCLUDING SIGNS, STREET LIGHTS & UTILITY BOXES.

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

RJA RUGGERI-JENSEN-AZAR ENGINEERS • PLANNERS • SURVEYORS 5353 CAMINO ARROYO GILROY, CA 95020 PHONE (408) 848-3200 FAX (408) 848-3202

DATE
05-18-10
DESIGN JS/CW
DRAWN LW
CHECKED CP

ENGINEERING CERTIFICATION

REGISTERED PROFESSIONAL ENGINEER ARTHUR N. JENSEN JR. EXP. 9-30-12 CIVIL STATE OF CALIFORNIA

PROJECT ENGINEER 5/18/10 DATE

Santa Clara Valley Water District

ACCEPTED BY DISTRICT

Dennis Cheong 6/1/10

DATE

PROJECT NAME AND SHEET DESCRIPTION:

LOWER SILVER CREEK REACHES 4, 5 & 6A

TRAFFIC CONTROL PLAN JACKSON AVENUE OVERCROSSING PHASE 4

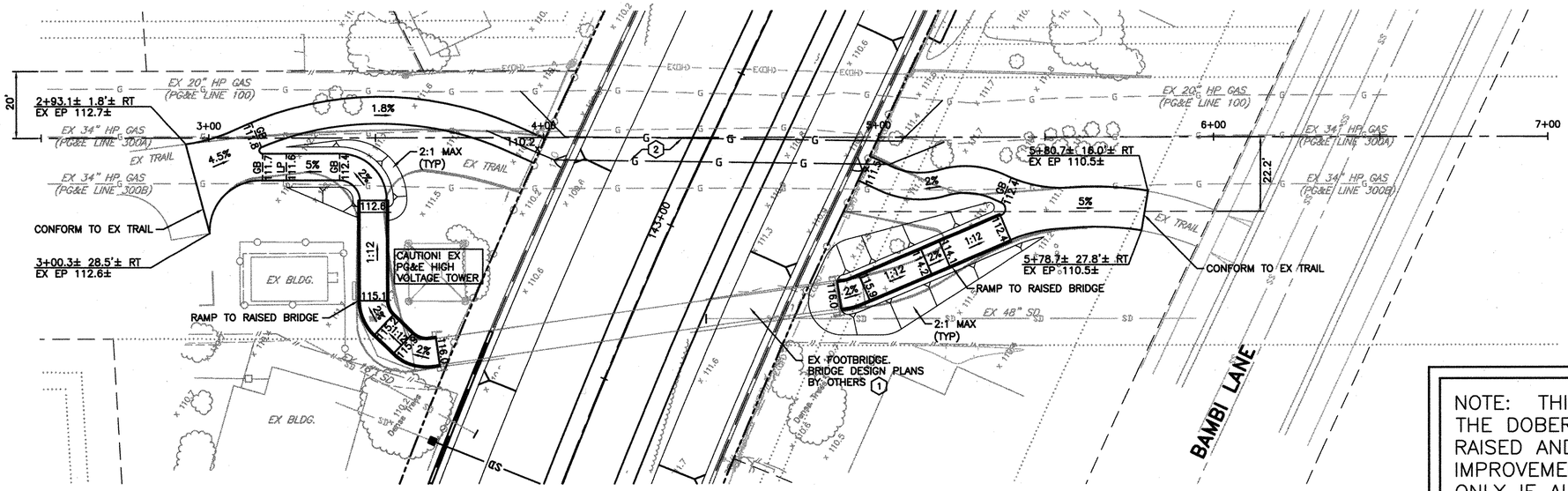
SCALE	PROJECT NUMBER
AS SHOWN	40264008
VERIFY SCALES 0 1" BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	SHEET CODE: C-20
	PAGE NUMBER: 33 OF 188

DOCUMENT NUMBER: CAD_XX-X-XXXX-XXXXX 4026 - 43022

USERNAME: CLaClair Thu 27 May 2010 05:47pm
FILENAME: W:\Jobs 09\092051\Drawings\Final\Plans\33 C-20 TRAFCTL JACKSON-4

CONSTRUCTION NOTES:

1. DOBERN BRIDGE IMPROVEMENTS TO BE CONSTRUCTED WHEN BRIDGE IS RAISED.
2. APPROXIMATE LOCATION OF RELOCATED GAS MAINS. PG&E IS RESPONSIBLE FOR GAS LINE DESIGN AND RELOCATION. CONTRACTOR SHALL COORDINATE CONSTRUCTION OPERATIONS WITH PG&E AND PROTECT PG&E GAS FACILITIES FROM DAMAGE.

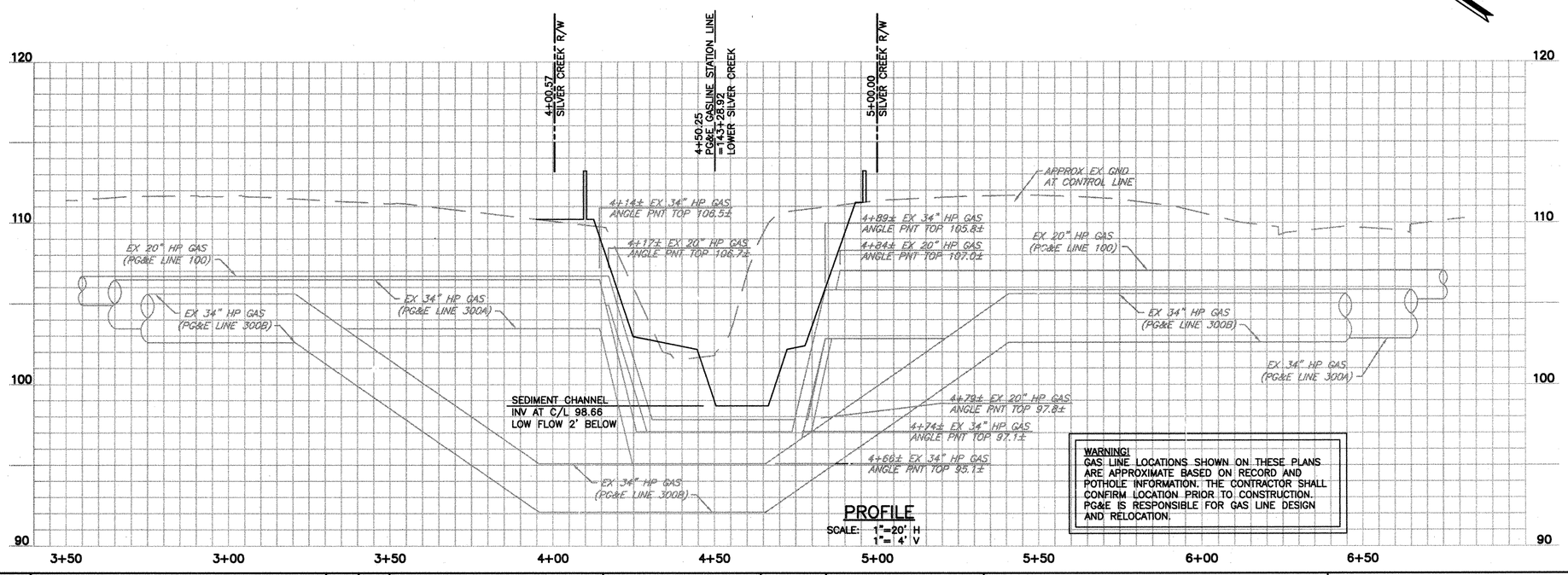


SEE SHEET 16 FOR CREEK IMPROVEMNTS

DOBERN AVENUE FOOTBRIDGE

SCALE: 1"=20'

NOTE: THIS SHEET IS FOR REFERENCE ONLY. THE DOBERN AVENUE FOOTBRIDGE IS TO BE RAISED AND THE ASSOCIATED OUT OF CHANNEL IMPROVEMENTS DESIGNED AND CONSTRUCTED ONLY IF AUTHORIZED BY SCVWD.



WARNING!
GAS LINE LOCATIONS SHOWN ON THESE PLANS ARE APPROXIMATE BASED ON RECORD AND POTHOLE INFORMATION. THE CONTRACTOR SHALL CONFIRM LOCATION PRIOR TO CONSTRUCTION. PG&E IS RESPONSIBLE FOR GAS LINE DESIGN AND RELOCATION.

PROFILE

SCALE: 1"=20' H, 1"= 4' V

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

RJA
RUGGERI-JENSEN-AZAR
ENGINEERS • PLANNERS • SURVEYORS
5353 CAMINO ALMADEN SAN JOSE, CA 95111
PHONE (408) 848-3300 FAX (408) 848-3302

DATE 05-18-10
DESIGN JS/CW
DRAWN LW
CHECKED CP

ENGINEERING CERTIFICATION
REGISTERED PROFESSIONAL ENGINEER HUMAYUN A. CHAUDHRY No. C 37191 Exp. 12-31-12 CIVIL STATE OF CALIFORNIA
PROJECT ENGINEER 5/18/10 DATE

Santa Clara Valley Water District
ACCEPTED BY DISTRICT
Dennis Cheong 6/1/10
DATE

PROJECT NAME AND SHEET DESCRIPTION:

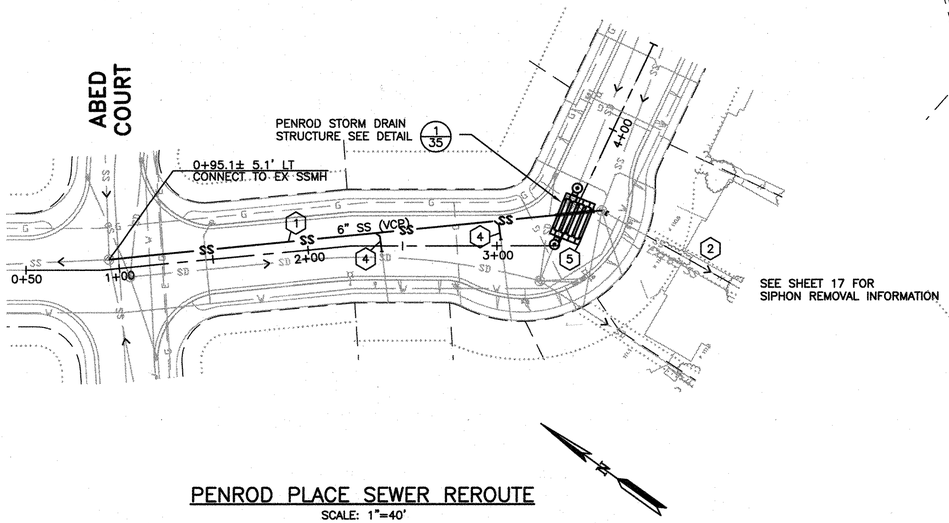
LOWER SILVER CREEK REACHES 4, 5 & 6A

DETAIL SHEET AT DOBERN AVENUE FOOTBRIDGE

SCALE: AS SHOWN
VERIFY SCALES 0 1"
BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

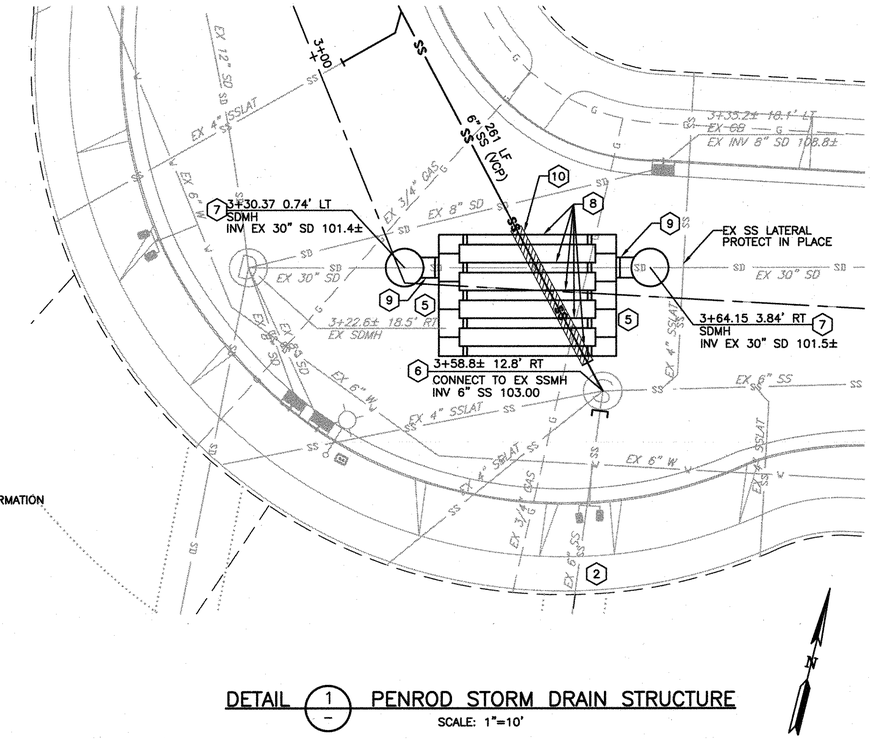
PROJECT NUMBER 40264008
SHEET CODE: C-21
PAGE NUMBER: 34 OF 188

DOCUMENT NUMBER: CAD_XX-X-XXXX-XXXXX
USERNAME: LWinter Thu 27 May 2010 05:45pm
FILENAME: W:\Jobs 09\092051\Drawings\Final\Plans\34 C-21 DOBERN FOOTBR OVER
4026 - 43023



PENROD PLACE SEWER REROUTE

SCALE: 1"=40'

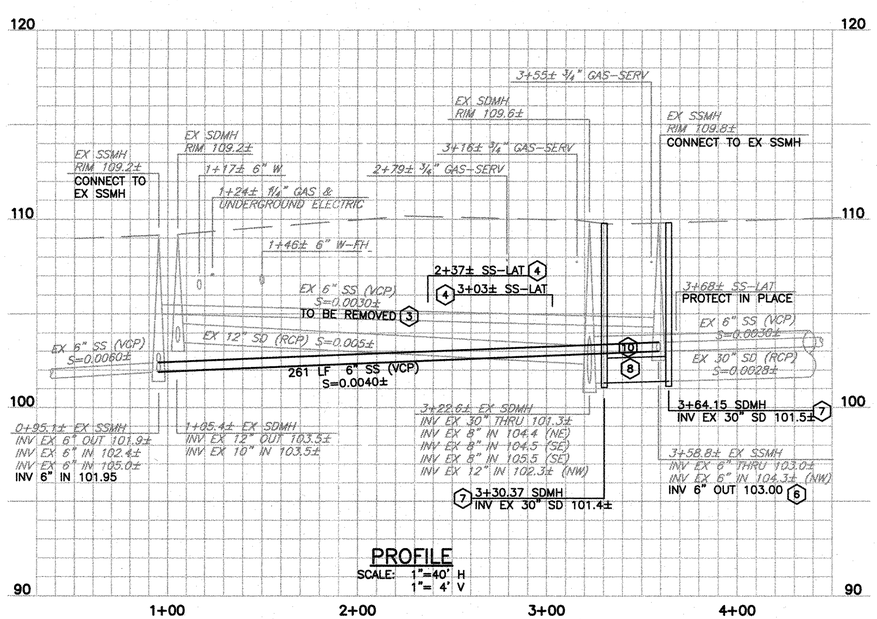


DETAIL 1/– PENROD STORM DRAIN STRUCTURE

SCALE: 1"=10'

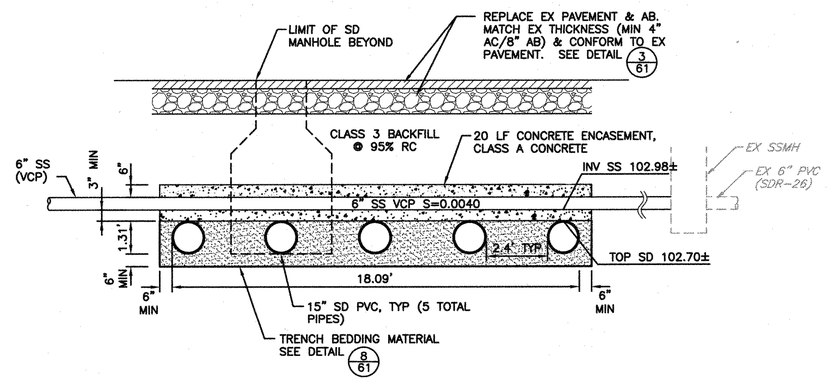
CONSTRUCTION NOTES:

1. EXISTING SANITARY SEWER IN PENROD PLACE SHALL BE REROUTED TO ABED COURT PRIOR TO REMOVAL OF THE 6" SIPHON UNDER LOWER SILVER CREEK. REPAIR PAVEMENT AND REPLACE STRIPING AS NECESSARY. CONSTRUCT SEWER TRENCH PER DETAIL 8/61
2. UPON COMPLETION OF PENROD PLACE SEWER REROUTE, DEMOLISH AND REMOVE EXISTING SIPHON IN CHANNEL AND ABANDON AT SCVWD RIGHT-OF-WAY. SEE SHEET 17.
3. SANITARY SEWER REMOVAL AND ABANDONMENT PER CITY OF SAN JOSE STANDARD SPECIFICATION SECTION 15-2.02E.
4. STA 2+37± AND 3+03± REPLACE MIN 10 LF EX 4" SS LATERAL AND CONNECT TO NEW 6" SS PER CSJ STD DRAWINGS D-3 & D-4.
5. INSTALL 2 MANIFOLDS, ONE AT EACH SD MANHOLE FROM 30" PIPE TO 5 -15" PVC PIPES. INSTALL 4 TOTAL PVC TEES (24"x24"X15"), 2 TOTAL CROSSES (30"x24"x24"x15") AND 2 90° ELBOWS (24"X15").
6. CONNECT TO EX SSMH. PLUG 6" OPENING IN SOUTH SIDE OF MANHOLE ONCE NEW SEWER LINE IS IN PLACE.
7. CONSTRUCT 48" ø SD MANHOLE PER CSJ STANDARD PLAN D-10 & D-12.
8. INSTALL 16 LF 15" PVC (5 PIPES TOTAL) AT S=0.0028.
9. INSTALL 5 LF 30" PVC FROM MANHOLE TO MANIFOLD
10. CONCRETE ENCASE 20 LF 6" VCP SS SEE DETAIL 2/35



PROFILE

SCALE: 1"=40' H
1"= 4' V



DETAIL 2/– SD/SS CROSSING

NTS

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

RUGGERI-JENSEN-AZAR
ENGINEERS • PLANNERS • SURVEYORS
ROSS CHABRU ABRECHT SUBCT. CA 95003
PHONE: (408) 846-0300 FAX: (408) 846-0302

DATE 05-18-10
DESIGN JS/CW
DRAWN LW
CHECKED CP

ENGINEERING CERTIFICATION
REGISTERED PROFESSIONAL ENGINEER
ANNA M. ABRECHT
No. C 31466
CIVIL
STATE OF CALIFORNIA
5/18/10
PROJECT ENGINEER DATE

Santa Clara Valley Water District
ACCEPTED BY DISTRICT
Dennis Chang 6/1/10
DATE

PROJECT NAME AND SHEET DESCRIPTION:

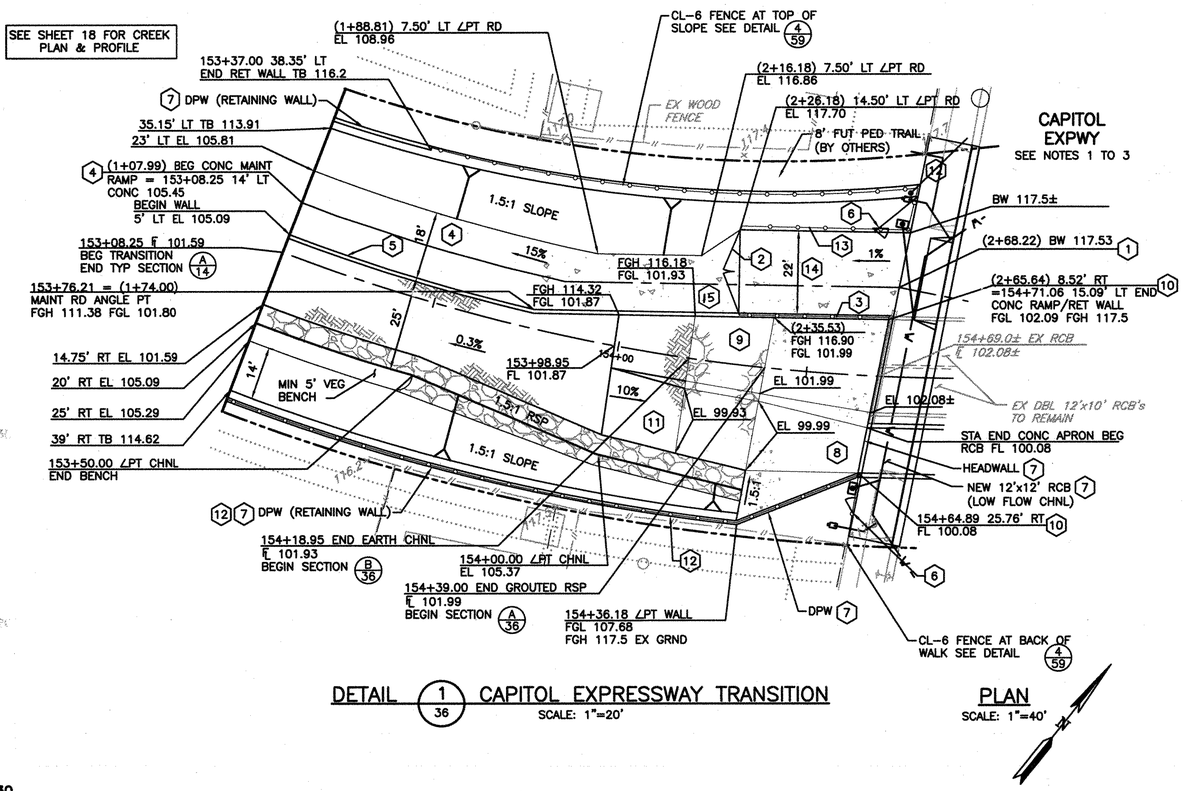
LOWER SILVER CREEK REACHES 4, 5 & 6A

UTILITY & SURFACE IMPROVEMENTS PENROD PLACE SEWER RELOCATION

SCALE: AS SHOWN
VERIFY SCALES 0 1"
BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

PROJECT NUMBER 40264008
SHEET CODE: C-22
PAGE NUMBER: 35 OF 188

DOCUMENT NUMBER: CAD_XX-X-XXXX-XXXXX
4026 - 43024
USERNAME: CLaClair Fri 21 May 2010 04:05pm
FILENAME: W:\Jobs 09\092051\Drawings\Final\Plans\35 C-22 PENROD PL SEWER



DETAIL 1/36 CAPITOL EXPRESSWAY TRANSITION

SCALE: 1"=20'

PLAN

SCALE: 1"=40'

CAPITOL EXPRESSWAY NOTES:

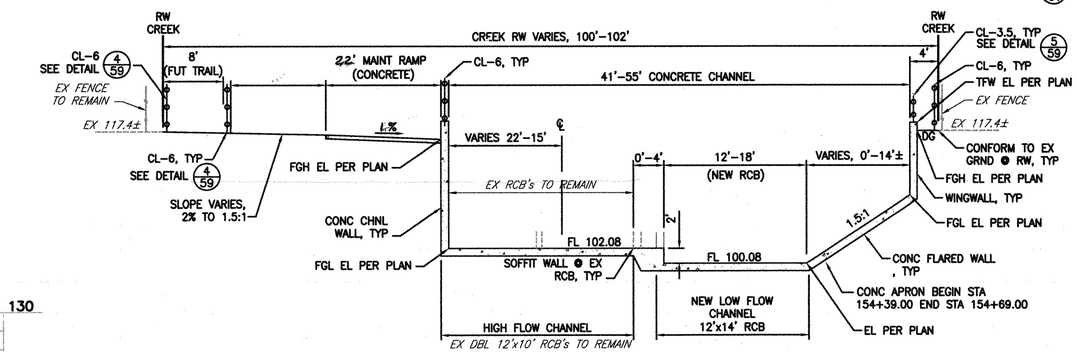
1. SEE CIVIL SHEET 38 FOR CAPITOL EXPRESSWAY UTILITY IMPROVEMENTS.
2. SEE CIVIL SHEET 39 FOR CAPITOL EXPRESSWAY SURFACE IMPROVEMENTS.
3. SEE CIVIL SHEETS 40 TO 43 FOR CAPITOL EXPRESSWAY TRAFFIC CONTROL AND PHASING PLAN.
4. SEE CIVIL SHEET 77 FOR CHANNEL CROSS SECTIONS AT 100 FOOT INTERVALS IN THE TRANSITION AREA.
5. SEE DEMOLITION PLAN SHEET 7 FOR REMOVAL AND REPLACEMENT OF FENCING AT RIGHT OF WAY.

CONSTRUCTION NOTES (CON'T)

15 20' LONG CROSS-SLOPE TRANSITION FROM 4% TO 1%, BEGIN AT STA (2+26.18) AND END AT STA (2+26.18).

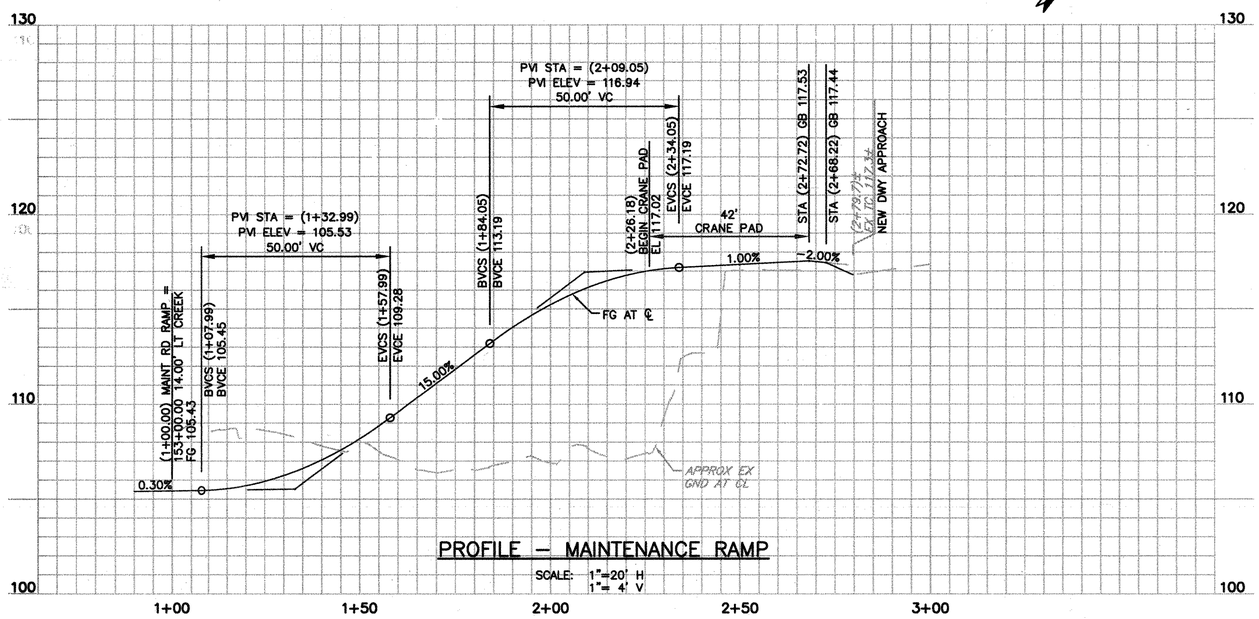
CONSTRUCTION NOTES:

1. CONSTRUCT NEW CURB AND GUTTER DRIVEWAY TRANSITION.
2. 22' WIDE DOUBLE SWING GATE, SEE DETAIL 1/59
3. CL-6 IN CONCRETE WALL, SEE DETAIL 5/59
4. CONCRETE MAINTENANCE RAMP, SEE DETAIL PROFILE THIS SHEET AND DETAIL 5/61
5. 161 LF RETAINING WALL, SEE STRUCTURAL PLANS FOR RETAINING WALL PROFILE.
6. STA 154+64.1± 36.4'± RT
   STA 154+68.0± 39.0'± LT
   4' WIDE SINGLE SWING GATE, SEE DETAIL 2/59
7. SEE STRUCTURAL PLAN SHEETS S-14 TO S-25 FOR CAPITOL EXPRESSWAY RCB, RETAINING WALL, FLOODWALL, WINGWALL & CONCRETE APRON DETAILS.
8. 30' LONG CONCRETE APRON IN LOW FLOW CHANNEL, SEE SECTION A/36
9. 20' LONG GROUTED RSP TRANSITION, SHAPED TO MATCH LOW-FLOW CROSS SECTION, SEE SECTION B/36
10. CONNECT CL-6 TO CONCRETE BARRIER/HEADWALL, SEE STRUCTURAL PLAN SHEET S-18.
11. 20' LONG EARTH CHANNEL TRANSITION SLOPED AT 10% FROM STA 153+98.95 EL 101.87, TO STA 154+18.95 EL 98.93. TRANSITION TO OCCUR BETWEEN LOW FLOW AND HIGH FLOW CHANNEL.
12. CL-3.5 IN CONCRETE WALL, SEE DETAIL 5/59
13. CL-6 FENCE AT EDGE OF ACCESS RAMP, SEE DETAIL 4/59
14. 22'x40' CONCRETE CRANE ACCESS PAD, SEE DETAIL 6/61



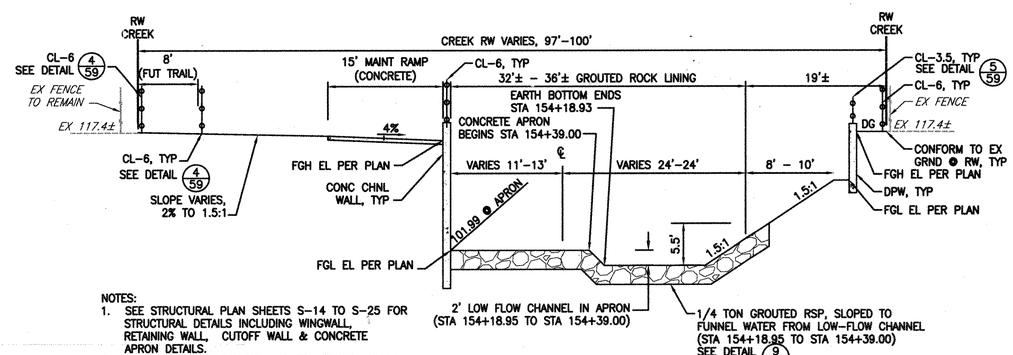
SECTION A/36 CONCRETE APRON

SCALE: 1"=10'



PROFILE – MAINTENANCE RAMP

SCALE: 1"=20' H
1"= 4' V



NOTES:

1. SEE STRUCTURAL PLAN SHEETS S-14 TO S-25 FOR STRUCTURAL DETAILS INCLUDING WINGWALL, RETAINING WALL, CUTOFF WALL & CONCRETE APRON DETAILS.
2. FGH (FINISH GRADE HIGH) AND FGL (FINISH GRADE LOW) ELEVATIONS ARE PROVIDED AT RETAINING WALL LOCATIONS. SEE STRUCTURAL PLANS FOR ALL WALL DESIGN.

SECTION B/36 GROUTED RSP

SCALE: 1"=10'

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

RJA RUGGERI-JENSEN-AZAR
ENGINEERS • PLANNERS • SURVEYORS
5353 GRAND AVENUE OLNEY, CA 92102
PHONE: (408) 848-2200 FAX: (408) 848-2201

DATE	ENGINEERING CERTIFICATION
05-18-10	
DESIGN JS/CW	
DRAWN LW	
CHECKED CP	5/18/10
	PROJECT ENGINEER DATE

Santa Clara Valley Water District

ACCEPTED BY DISTRICT

Dennis Cheong 6/1/10

DATE

PROJECT NAME AND SHEET DESCRIPTION:

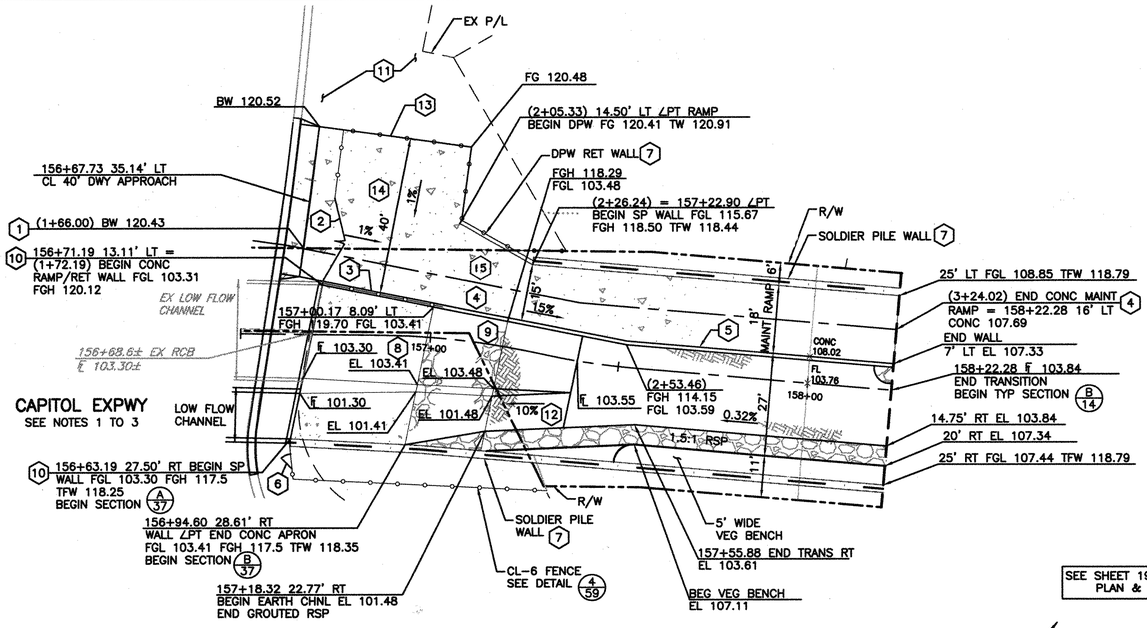
LOWER SILVER CREEK REACHES 4, 5 & 6A

WEST CHANNEL DETAIL AT CAPITOL EXPRESSWAY OVERCROSSING

SCALE	PROJECT NUMBER
AS SHOWN	40264008
VERIFY SCALES 0 1" BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	SHEET CODE: C-23
	PAGE NUMBER: 36 OF 188

DOCUMENT NUMBER: CAD_XX-X-XXXX-XXXXX 4026 - 43025

USERNAME: cwright Thu 27 May 2010 04:21pm
FILENAME: W:\Jobs 09\092051\Drawings\Final\Plans\36 C-23 CAPEX DETAIL WEST.dwg



SEE SHEET 19 FOR CREEK PLAN & PROFILE

DETAIL 1/37 CAPITOL EXPRESSWAY TRANSITION

SCALE: 1"=20'

CAPITOL EXPRESSWAY NOTES:

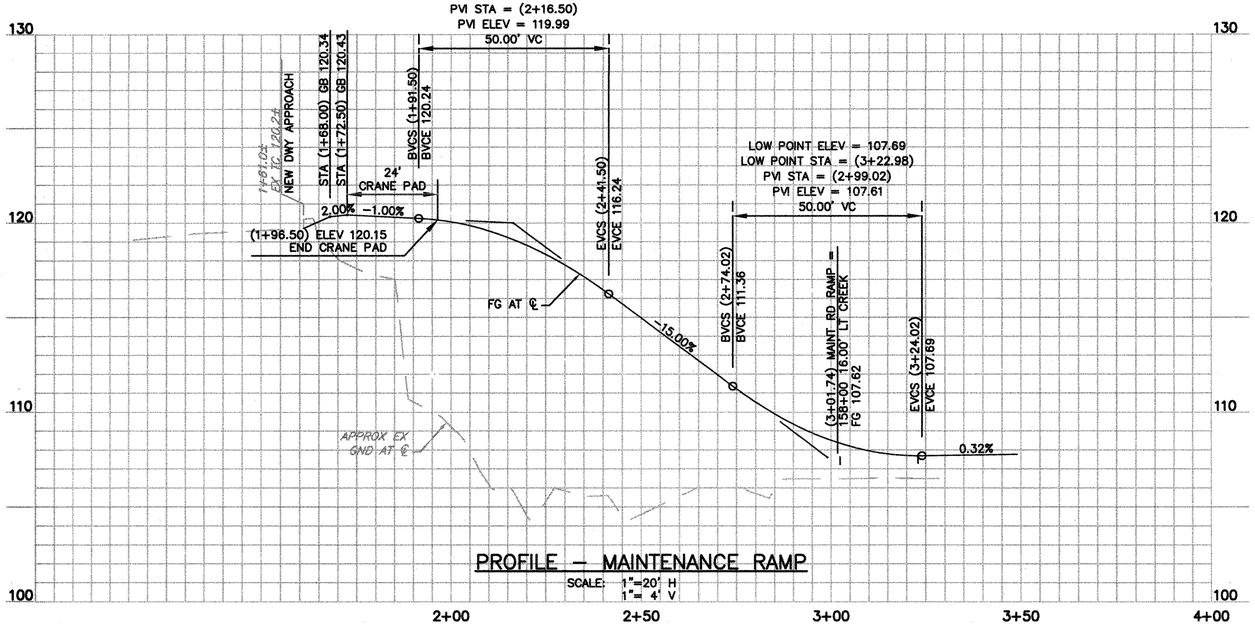
1. SEE CIVIL SHEET 38 FOR CAPITOL EXPRESSWAY UTILITY IMPROVEMENTS.
2. SEE CIVIL SHEET 39 FOR CAPITOL EXPRESSWAY SURFACE IMPROVEMENTS.
3. SEE CIVIL SHEETS 40 TO 43 FOR CAPITOL EXPRESSWAY TRAFFIC CONTROL AND PHASING PLAN.
4. SEE CIVIL SHEET 77 FOR CHANNEL CROSS SECTIONS AT 100 FOOT INTERVALS IN THE TRANSITION AREA.

CONSTRUCTION NOTES:

1. CONSTRUCT NEW CURB AND GUTTER DRIVEWAY TRANSITION. SEE SHEET 39.
2. 22' WIDE DOUBLE SWING GATE, SEE DETAIL 1/59
3. CL-6 IN CONCRETE WALL, SEE DETAIL 5/59
4. CONCRETE MAINTENANCE RAMP, SEE PROFILE THIS SHEET AND DETAIL 5/61
5. 152 LF RETAINING WALL, SEE STRUCTURAL PLANS FOR RETAINING WALL PROFILE.
6. STA 156+63.7± 35.4'± RT, 4' WIDE SINGLE SWING GATE, SEE DETAIL 2/59
7. SEE STRUCTURAL PLAN SHEETS S14 TO S25 FOR ALL RCB, RETAINING WALL, FLOODWALL, WINGWALL & CONCRETE APRON DETAILS.
8. 30' LONG CONCRETE APRON IN LOW FLOW CHANNEL, SEE SECTION A/37
9. 20' LONG GROUTED RSP TRANSITION, SHAPED TO MATCH LOW-FLOW CROSS SECTION, SEE SECTION B/37
10. CONNECT CL-6 TO CONCRETE BARRIER/HEADWALL, SEE STRUCTURAL PLAN SHEET S-18.
11. EXISTING GROUND TO BE FILLED AND GRADED TO CONFORM @ 4:1 FROM EDGE OF MAINTENANCE ROAD.
12. 20' LONG EARTH CHANNEL TRANSITION SLOPED AT 10% FROM STA 157+19.15 EL 101.48, TO STA 157+39.15 EL 103.55. TRANSITION TO OCCUR BETWEEN LOW FLOW AND HIGH FLOW CHANNEL.
13. CL-6 AT EDGE OF ACCESS RAMP, SEE DETAIL 4/59
14. 24'x40' CONCRETE CRANE ACCESS PAD. SEE DETAIL 6/61

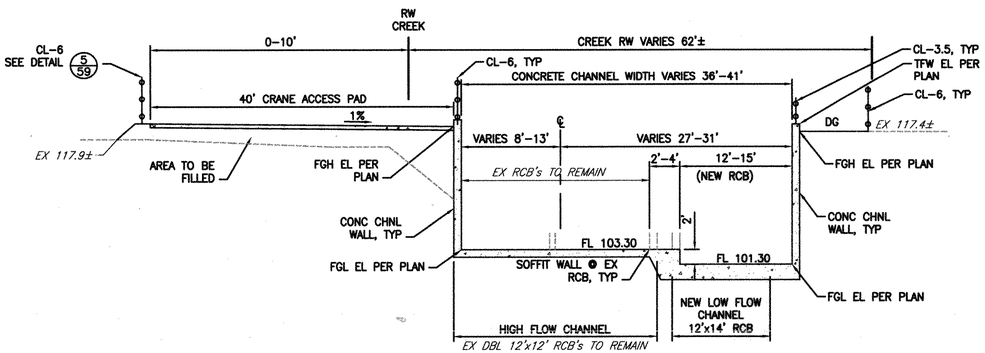
CONSTRUCTION NOTES (CON'T)

15. 20' LONG CROSS-SLOPE TRANSITION FROM 1% TO 4%, BEGIN AT STA (2+05.33) AND END AT STA (2+25.33).



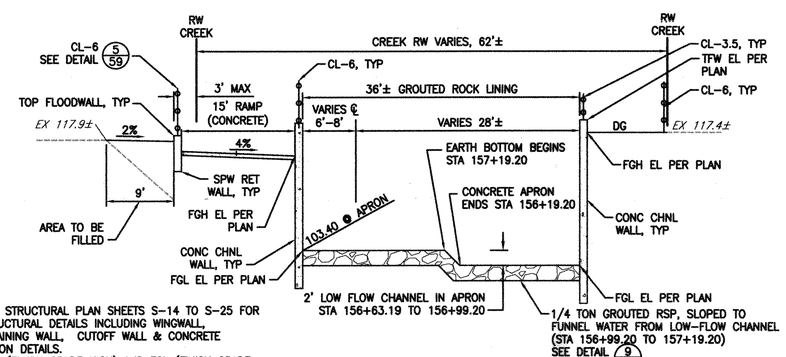
PROFILE – MAINTENANCE RAMP

SCALE: 1"=20' H
1"= 4' V



SECTION A/37 CONCRETE APRON

SCALE: 1"=10'



NOTES:

1. SEE STRUCTURAL PLAN SHEETS S-14 TO S-25 FOR STRUCTURAL DETAILS INCLUDING WINGWALL, RETAINING WALL, CUTOFF WALL & CONCRETE APRON DETAILS.
2. FGH (FINISH GRADE HIGH) AND FGL (FINISH GRADE LOW) ELEVATIONS ARE PROVIDED AT RETAINING WALL LOCATIONS. SEE STRUCTURAL PLANS FOR ALL WALL DESIGN.

SECTION B/37 GROUTED RSP

SCALE: 1"=10'

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

RJA RUGGERI-JENSEN-AZAR
ENGINEERS • PLANNERS • SURVEYORS
5005 CAMINO ARROYO GILROY, CA 95020
PHONE: (408) 848-2200 FAX: (408) 848-2208

DATE	05-18-10
DESIGN	JS/CW
DRAWN	LW
CHECKED	CP

ENGINEERING CERTIFICATION

REGISTERED PROFESSIONAL ENGINEER CHARLES P. DAVIS III No. 61321 CIVIL STATE OF CALIFORNIA

5/18/10

PROJECT ENGINEER DATE

Santa Clara Valley Water District

ACCEPTED BY DISTRICT

Dennis Cheong 6/1/10

DATE

PROJECT NAME AND SHEET DESCRIPTION:

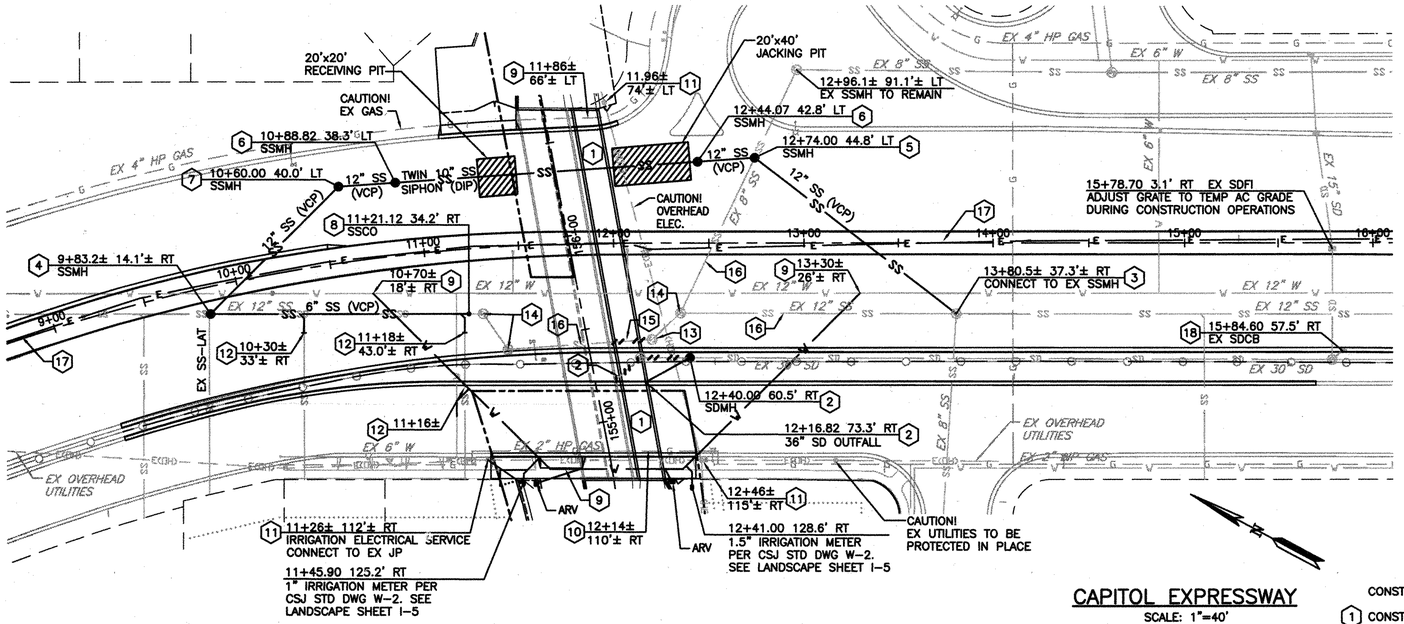
LOWER SILVER CREEK REACHES 4, 5 & 6A

EAST CHANNEL DETAIL AT CAPITOL EXPRESSWAY OVERCROSSING

SCALE	PROJECT NUMBER
AS SHOWN	40264008
VERIFY SCALES 0 1" BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	SHEET CODE: C-24
	PAGE NUMBER: 37 OF 188

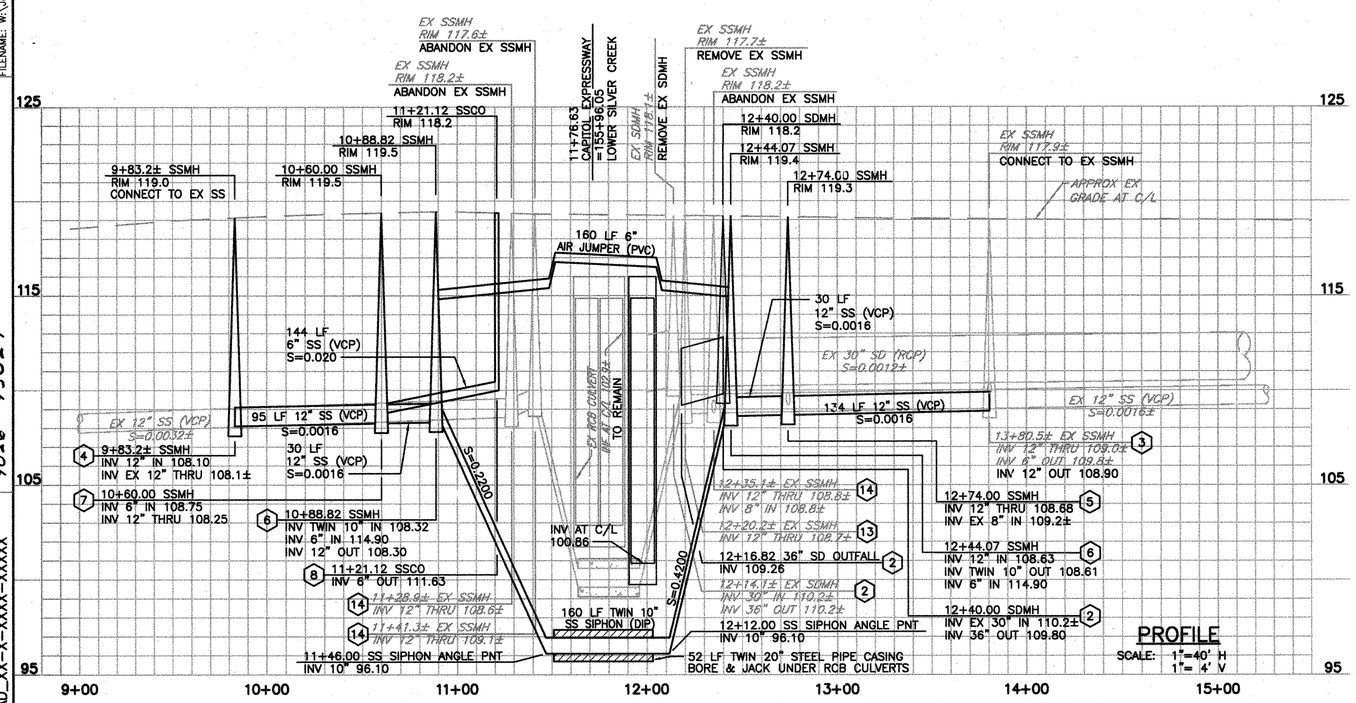
DOCUMENT NUMBER: CAD_XX-X-XXXX-XXXXX 9026 - 93026

USERNAME: cwright Thu 27 May 2010 04:20pm
FILENAME: M:\Jobs 09\092051\Drawings\Final\Plans\37 C-24 CAPEX DETAIL EAST.dwg



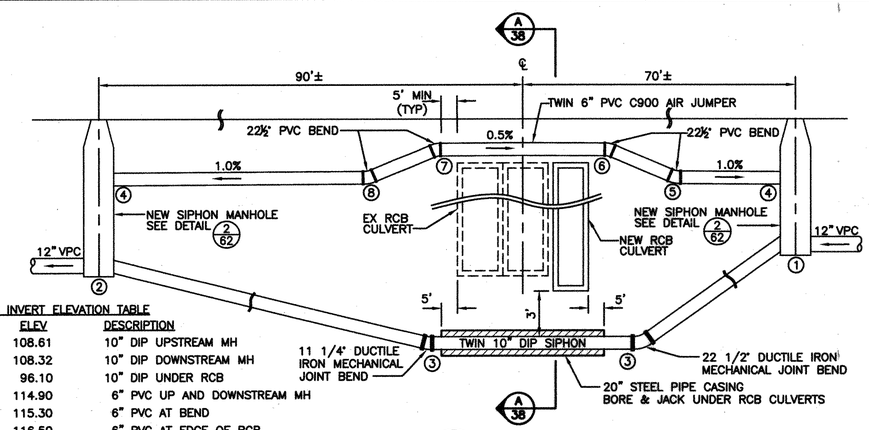
CAPITOL EXPRESSWAY

SCALE: 1"=40'



PROFILE

SCALE: 1"=40' H
1"= 4' V



DETAIL 1/38 CAPITOL EXPRESSWAY SANITARY SEWER SIPHON

NTS

SIPHONS INVERT ELEVATION TABLE

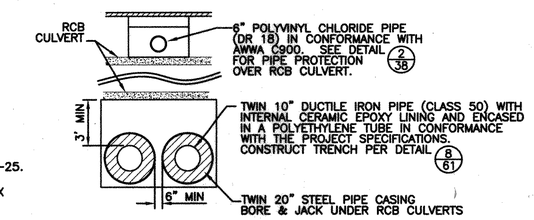
POINT	ELEV	DESCRIPTION
1	108.61	10" DIP UPSTREAM MH
2	108.32	10" DIP DOWNSTREAM MH
3	96.10	10" DIP UNDER RCB
4	114.90	6" PVC UP AND DOWNSTREAM MH
5	115.30	6" PVC AT BEND
6	116.50	6" PVC AT EDGE OF RCB
7	116.80	6" PVC AT EDGE OF RCB
8	115.50	6" PVC AT BEND

CAPITOL EXPRESSWAY NOTES:

1. SEE CIVIL SHEET 36 FOR CAPITOL EXPRESSWAY WEST MAINTENANCE ROAD RAMP IMPROVEMENTS.
2. SEE CIVIL SHEET 37 FOR CAPITOL EXPRESSWAY EAST MAINTENANCE ROAD RAMP IMPROVEMENTS.
3. SEE CIVIL SHEET 39 FOR CAPITOL EXPRESSWAY SURFACE IMPROVEMENTS.
4. SEE CIVIL SHEETS 40 TO 43 FOR CAPITOL EXPRESSWAY TRAFFIC CONTROL AND PHASING PLAN.

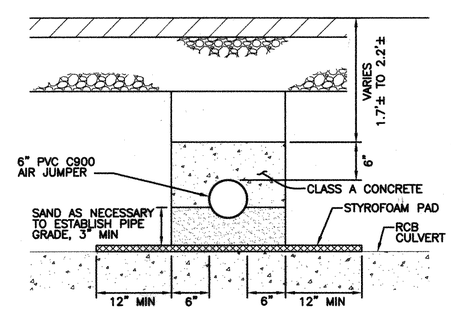
CONSTRUCTION NOTES:

1. CONSTRUCT NEW RCB CULVERT PER STRUCTURAL DWGS. SEE SHEETS S-14 TO S-25.
2. REMOVE 44± LF EX 36" & 30" SD AND EX SDMH. INSTALL 48"ø SDMH OVER EX 30" RCP PER CSJ STD DWGS D-10 & D-12. INSTALL 27 LF NEW 36" CMP SD (S=0.020) TO NEW RCB CULVERT AND CUT PIPE FLUSH WITH WALL & INSTALL FLAPGATE. FLAPGATE SHALL BE WATERMAN MODEL F-10, OR FRESNO MODEL 10C OR APPROVED EQUAL, WITH SAFETY BARS AND FASTENINGS. SEE STRUCTURAL PLAN SHEETS S-17A AND S-17B.
3. CONNECT TO EX SSMH. ABANDON EX DOWNSTREAM 12" VCP AND PLUG HOLE.
4. INSTALL 48"ø SSMH OVER EX 12" VCP SS PIPE PER CSJ STD DWGS D-10 & D-12. EX 12" VCP TO REMAIN. POTHOLE EX PIPE PRIOR TO CONSTRUCTION. VERIFY DESIGN ELEVATIONS AND PIPE SLOPES PRIOR TO CONSTRUCTING SEWER & SIPHON MANHOLES.
5. INSTALL 48"ø SSMH OVER EX 8" VCP SS PIPE PER CSJ STD DWGS D-10 & D-12. ABANDON EX DOWNSTREAM 8" SS. POTHOLE EX PIPE PRIOR TO CONSTRUCTION. VERIFY DESIGN ELEVATIONS AND PIPE SLOPES PRIOR TO CONSTRUCTING SEWER & SIPHON MANHOLES.
6. INSTALL SIPHON SSMH PER DETAIL 2/62. INSTALL TWIN 10" DIP SIPHON IN 20" STEEL PIPE CASING AND 6" PVC AIR JUMPER BETWEEN STA 10+88.82 & 12+44.07. SEE DETAIL
7. INSTALL 48"ø SSMH PER CSJ STD DWGS D-10 & D-12.
8. REPLACE ±144 LF EX 12" VCP WITH 6" VCP. INSTALL NEW CLEANOUT AT END OF 6" VCP PER CSJ STD DRAWING D-17.
9. CAUTION! EX WATER LINE TO BE RELOCATED BY SAN JOSE WATER COMPANY. SEE PLAN FOR APPROXIMATE LOCATION.
10. CAUTION! EX HIGH PRESSURE GAS LINE TO BE RELOCATED BY PG&E.
11. EX POWER POLE AND OVERHEAD UTILITIES TO REMAIN. PROTECT IN PLACE.
12. STA 10+30± 33'± RT AND 11+18± 43'± RT REPLACE MIN 10 LF EX 4" SS LATERAL AND CONNECT TO NEW 6" SS PER CSJ STD DRAWINGS D-3 & D-4.
13. REMOVE EX SS MANHOLE.
14. ABANDON EX SS MANHOLE.
15. REMOVE 25± LF OF EX 12" CIP SS SIPHON UNDER NEW RCB CULVERT.
16. ABANDON 240± LF OF EX 12" VCP AND 90± LF 8" VCP SS.
17. REPLACE 1,900± LF TRAFFIC SIGNAL INTERCONNECT CABLE & 1,200± LF OF CONDUIT PER COUNTY STANDARDS IN CAPITOL EXPRESSWAY MEDIAN FROM SOUTH CAPITAL AVENUE INTERSECTION TO STORY ROAD INTERSECTION AFTER CAPITOL EXPRESSWAY MEDIAN RECONSTRUCTION IS COMPLETE.
18. MODIFY EX TYPE 'D' DROP INLET TO HAVE FLAT GRATE DURING CONSTRUCTION OPERATIONS TO ACCOMODATE TRAFFIC LANE SHIFT. REPLACE CURB INLET HOOD PER SANTA CLARA COUNTY STD DETAIL C-11 DURING SOUTH CAPITOL AVENUE DIVIDER RECONSTRUCTION.



SECTION A/38 CAPITOL EXPRESSWAY SANITARY SEWER SIPHON

NTS



DETAIL 2/38 AIR JUMPER AT CAPITOL EXPWY RCB

NTS

REV	DESCRIPTION	DATE	APPR.

REFERENCE INFORMATION AND NOTES

RJA RUGGERI-JENSEN-AZAR ENGINEERS • PLANNERS • SURVEYORS 5000 CHANNEL AVENUE PLEASANT HILL, CA 94523 PHONE: (925) 846-0300 FAX: (925) 846-0302

DATE	05-18-10
DESIGN	JS/CW
DRAWN	LW
CHECKED	CP

ENGINEERING CERTIFICATION

5/18/10
PROJECT ENGINEER DATE

Santa Clara Valley Water District

ACCEPTED BY DISTRICT

Dennis Cheong 6/1/10
DATE

PROJECT NAME AND SHEET DESCRIPTION:

LOWER SILVER CREEK REACHES 4, 5 & 6A

UTILITY IMPROVEMENTS CAPITOL EXPRESSWAY OVERCROSSING

SCALE: AS SHOWN

VERIFY SCALES 0 1"
BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

PROJECT NUMBER: 40264008

SHEET CODE: C-25

PAGE NUMBER: 38 OF 188

DOCUMENT NUMBER: CAD_XX-X-XXXX-XXXXX

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FILENAME: W:\Jobs 09\092051\Drawings\Final\Plans\38 C-25 CAPEX UTILS

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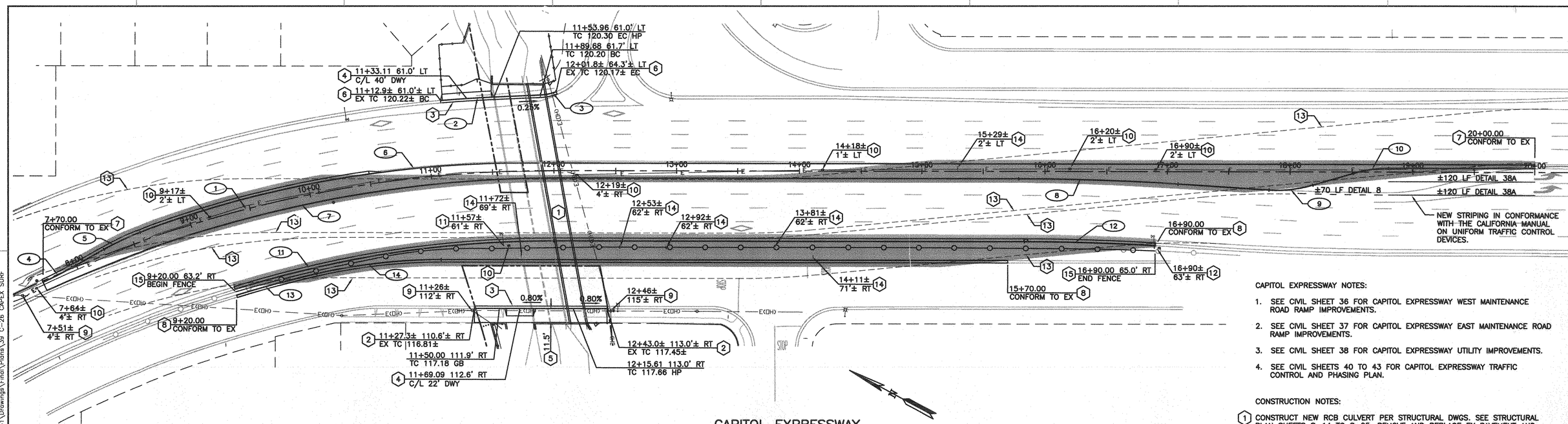

CAPITOL EXPRESSWAY

SCALE: 1"=40'

CAPITOL EXPRESSWAY MEDIAN – EAST CURB			
STATION	OFFSET	ELEV.	DESCR.
7+70.00	1.0' RT	117.71±	BC, BEGIN TYPE 'B2' CURB
7+96.44	0.7' LT	117.93	EC
8+25.48	4.6' LT	118.06	BC
8+57.72	7.3' LT	118.22	PCC
9+00.00	8.0' LT	118.61	
9+50.00	8.5' LT	118.89	
10+00.00	8.6' LT	119.07	
10+50.00	8.4' LT	119.28	TRANSITION FROM TYPE 'B2' TO TYPE 'B3' CURB
11+00.00	7.8' LT	119.46	HP
11+50.00	6.9' LT	119.42	
11+75.18	6.3' LT	119.40	EC
12+00.00	6.0' LT	119.38	
12+50.00	6.0' LT	119.36	
13+00.00	6.0' LT	119.33	
13+50.00	6.0' LT	119.17	
14+00.00	6.0' LT	119.14	
14+50.00	6.0' LT	119.11	
15+00.00	6.0' LT	119.09	
15+50.00	6.0' LT	119.07	
16+00.00	6.0' LT	119.05	
16+50.00	6.0' LT	119.02	
17+00.00	6.0' LT	118.74	
17+50.00	6.0' LT	118.64	
18+00.00	6.0' LT	118.56	
18+50.00	6.0' LT	118.50	
19+00.00	6.0' LT	118.45	
19+50.00	6.0' LT	118.40	
20+00.00	6.0' LT	118.36±	END TYPE 'B3' CURB

CAPITOL EXPRESSWAY MEDIAN – WEST CURB			
STATION	OFFSET	ELEV.	DESCR.
7+70.00	8.5' RT	117.73±	BC, BEGIN TYPE 'B3' CURB
8+00.00	8.3' RT	118.22	
8+50.00	8.1' RT	118.61	
9+00.00	7.8' RT	118.90	
9+50.00	7.5' RT	119.34	
10+00.00	7.2' RT	119.54	
10+50.00	6.9' RT	119.76	
11+00.00	6.6' RT	119.81	HP
11+50.00	6.3' RT	119.70	
12+00.00	6.0' RT	119.63	
12+05.97	6.0' RT	119.61	EC
12+50.00	6.0' RT	119.55	
13+00.00	6.0' RT	119.46	
13+50.00	6.0' RT	119.43	
14+00.00	6.0' RT	119.39	
14+50.00	6.0' RT	119.37	
15+00.00	6.0' RT	119.35	
15+50.00	6.0' RT	119.34	
15+78.81	6.0' RT	119.24	BC
16+00.00	6.1' RT	119.14	
16+50.00	7.3' RT	118.97	
17+00.00	9.7' RT	118.72	
17+08.73	10.2' RT	118.70	EC
17+50.00	12.9' RT	118.42	
17+82.91	15.1' RT	118.28	BC, LP
18+18.12	11.1' RT	118.38	EC
18+50.97	1.21' RT	118.50	BC
18+79.68	3.0' LT	118.63	EC
19+00.00	3.0' LT	118.61	
19+50.00	3.0' LT	118.52	
20+00.00	3.0' LT	118.43±	END TYPE 'B3' CURB

SOUTH CAPITOL AVENUE DIVIDER – EAST CURB			
STATION	OFFSET	ELEV.	DESCR.
9+20.00	61.0' RT	117.34±	BC, BEGIN TYPE 'B2' CURB
9+50.00	60.3' RT	117.41	
10+00.00	59.3' RT	117.67	
10+50.00	58.5' RT	117.83	
11+00.00	58.0' RT	117.95	HP
11+50.00	57.6' RT	117.89	
12+00.00	57.5' RT	117.84	EC
12+50.00	57.5' RT	117.79	
13+00.00	57.5' RT	117.71	
13+50.00	57.5' RT	117.64	
14+00.00	57.5' RT	117.52	
14+50.00	57.5' RT	117.36	
15+00.00	57.5' RT	117.26	
15+50.00	57.5' RT	117.17	
15+83.40	57.5' RT	117.11	BC
15+84.60	57.5' RT	117.11	CB, TYPE 'D' DROP INLET. SEE CONSTRUCTION NOTE 18 ON SHEET 38.
16+00.00	57.6' RT	117.08	
16+50.00	58.8' RT	117.02	
16+90.00	60.7' RT	116.92±	EC, END TYPE 'B2' CURB

SOUTH CAPITOL AVENUE DIVIDER – WEST CURB			
STATION	OFFSET	ELEV.	DESCR.
9+20.00	66.0' RT	117.04±	BC, BEGIN TYPE 'A2' CURB
9+50.00	65.3' RT	117.16	
9+91.75	64.5' RT	117.63	PCC
10+00.00	64.3' RT	117.73	
10+50.00	65.1' RT	117.93	
11+01.48	68.5' RT	118.07	EC
11+50.00	71.8' RT	118.10	
12+00.00	73.0' RT	118.14	HP
12+50.00	73.0' RT	118.05	
13+00.00	73.0' RT	117.94	
13+50.00	73.0' RT	117.82	
14+00.00	73.0' RT	117.59	
14+50.00	73.0' RT	117.34	
15+00.00	73.0' RT	117.24	
15+50.00	73.0' RT	117.14	
15+70.00	73.0' RT	117.10±	END TYPE 'A2' CURB

CURVE TABLE				
*CURVE	Desc.	RADIUS	DELTA	LENGTH
C1	CL	999.95'	59°19'30"	1035.37'
C2	FC	1060.95'	2°21'05"	43.54'
C3	FC	40.00'	18°46'08"	13.10'
C4	FC	300.00'	5°03'34"	26.49'
C5	FC	200.00'	9°19'56"	32.58'
C6	FC	887.00'	20°40'18"	320.02'
C7	FC	994.00'	24°57'00"	432.85'
C8	FC	2000.00'	3°43'29"	130.01'
C9	FC	100.00'	20°24'33"	35.62'
C10	FC	100.00'	16°41'04"	29.12'
C11	FC	860.00'	17°33'43"	263.60'
C12	FC	1770.00'	3°27'09"	106.66'
C13	FC	855.00'	4°29'44"	67.09'
C14	FC	450.00'	13°04'31"	102.69'

*CURVE NUMBERS ARE LABELED AS (X)

CURB CONSTRUCTION NOTES:

1. TYPE 'A2' CURB FOR SOUTH CAPITOL AVENUE SHALL BE CONSTRUCTED PER CSJ STD DWG R–2.
2. TYPES 'B2' AND 'B3' CURB FOR CAPITOL EXPRESSWAY SHALL BE CONSTRUCTED PER SANTA CLARA COUNTY STD DETAIL B–13.

CAPITOL EXPRESSWAY NOTES:

1. SEE CIVIL SHEET 36 FOR CAPITOL EXPRESSWAY WEST MAINTENANCE ROAD RAMP IMPROVEMENTS.
2. SEE CIVIL SHEET 37 FOR CAPITOL EXPRESSWAY EAST MAINTENANCE ROAD RAMP IMPROVEMENTS.
3. SEE CIVIL SHEET 38 FOR CAPITOL EXPRESSWAY UTILITY IMPROVEMENTS.
4. SEE CIVIL SHEETS 40 TO 43 FOR CAPITOL EXPRESSWAY TRAFFIC CONTROL AND PHASING PLAN.

CONSTRUCTION NOTES:

(1) CONSTRUCT NEW RCB CULVERT PER STRUCTURAL DWGS. SEE STRUCTURAL PLAN SHEETS S–14 TO S–25. REMOVE AND REPLACE EX PAVEMENT AND STRIPING AS NECCESSARY. MATCH EXISTING AC PAVEMENT AND AGGREGATE BASE SECTION (MIN 4" AC/12" AB). PLACE STRUCTURAL BACKFILL BETWEEN TOP OF BOX AND AGGREGATE BASE AT 95% RELATIVE COMPACTION.

(2) REMOVE EX CURB, GUTTER, SWK, & DWY. CONSTRUCT TYPE 'A2' CURB PER CSJ STD DWG R–1. MATCH EX CURB AND SWK GRADES.

(3) CONFORM TO EX PAVEMENT. SEE DETAIL 3/61

(4) CONSTRUCT 22' WIDE DWY PER CITY STD DWG R–6.

(5) CONSTRUCT SWK AT 2% MINIMUM SLOPE PER CSJ STD DWG R–2. CONFORM TO EX SWK AT ENDS. SWK SECTION SHALL BE 6" PCC/3" CLASS III AB.

(6) REMOVE EX CURB AND GUTTER. CONSTRUCT TYPE 'B2' CURB PER SANTA CLARA COUNTY STD DETAIL B–13. MATCH EX CURB GRADES.

(7) REMOVE AND REPLACE EX CAPITOL EXPRESSWAY MEDIAN FOR TEMPORARY LANE SHIFT DURING CONSTRUCTION. SEE TABLE ON THIS SHEET FOR DESIGN INFORMATION.

(8) REMOVE AND REPLACE EX SOUTH CAPITOL AVENUE DIVIDER FOR TEMPORARY LANE SHIFT DURING CONSTRUCTION. SEE TABLE ON THIS SHEET FOR DESIGN INFORMATION.

(9) EX POWER POLE AND OVERHEAD UTILITIES TO REMAIN. PROTECT IN PLACE.

(10) REMOVE AND SALVAGE EX TRAFFIC SIGNAL BOX. REINSTALL TRAFFIC SIGNAL BOX AND REPLACE 1,900± LF TRAFFIC SIGNAL INTERCONNECT CABLE & 1,200± LF OF CONDUIT PER COUNTY STANDARDS FROM SOUTH CAPITAL AVENUE INTERSECTION TO STORY ROAD INTERSECTION AFTER CAPITOL EXPRESSWAY MEDIAN RECONSTRUCTION IS COMPLETE.

(11) REMOVE AND SALVAGE EX CARPOOL LANE SIGN. REINSTALL SIGN & REPLACE CONDUIT/CONDUCTORS IN KIND (PER COUNTY STANDARDS) AFTER SOUTH CAPITOL AVENUE DIVIDER RECONSTRUCTION IS COMPLETE.

(12) PROTECT EX CARPOOL LANE SIGN IN PLACE.

(13) APPROXIMATE LIMITS OF PHASE I TRAFFIC CONTROL LANE SHIFT.

(14) REMOVE AND SALVAGE EX STREET SIGN. REINSTALL AFTER MEDIAN AND DIVIDER RECONSTRUCTION IS COMPLETE.

(15) REMOVE AND SALVAGE 753 LF EX CL–6 FENCE. REINSTALL AFTER SOUTH CAPITOL AVENUE DIVIDER RECONSTRUCTION IS COMPLETE.

APPROXIMATE LIMITS OF REQUIRED TEMPORARY AC PAVEMENT FOR TRAFFIC CONTROL LANE SHIFT. CONTRACTOR SHALL SUBMIT TEMPORARY PAVEMENT PLANS TO THE SANTA CLARA COUNTY DEPARTMENT OF ROADS & AIRPORTS FOR APPROVAL PRIOR TO BEGINNING CONSTRUCTION. TEMPORARY PAVEMENT SHALL HAVE A MINIMUM THICKNESS OF 6" AND A 1% MIN TO 4% MAX CROSS SLOPE.

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

RJA
RUGGERI-JENSEN-AZAR
ENGINEERS • PLANNERS • SURVEYORS
8500 DANIKE AVENUE GILROY, CA 95020
PHONE: (408) 848-3300 FAX: (408) 848-3303

DATE 05–18–10
DESIGN JS/CW
DRAWN LW
CHECKED CP

ENGINEERING CERTIFICATION
PROFESSIONAL ENGINEER CIVIL STATE OF CALIFORNIA
5/18/10
PROJECT ENGINEER DATE

Santa Clara Valley Water District
ACCEPTED BY DISTRICT
Dennis Cheong 6/1/10
DATE

PROJECT NAME AND SHEET DESCRIPTION:
LOWER SILVER CREEK REACHES 4, 5 & 6A
SURFACE IMPROVEMENTS CAPITOL EXPRESSWAY OVERCROSSING

SCALE: AS SHOWN
VERIFY SCALES: 0 1" BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY
PROJECT NUMBER: 40264008
SHEET CODE: C–26
PAGE NUMBER: 39 OF 188

DOCUMENT NUMBER: CAD_XX-X-XXXX-XXXXX 4026-43028

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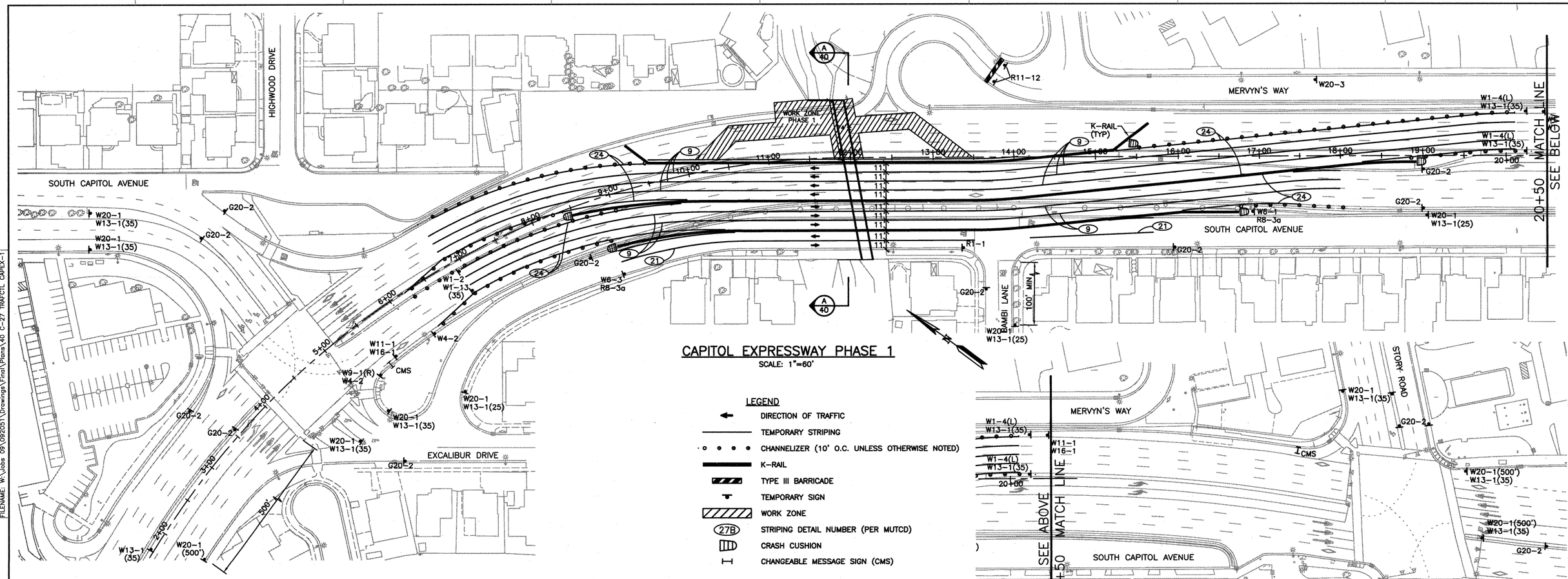


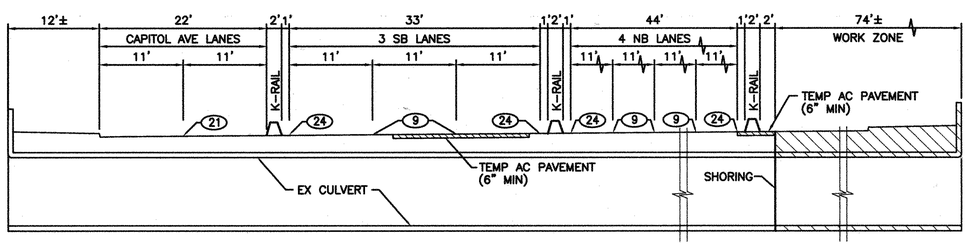
CAPITOL EXPRESSWAY PHASE 1

SCALE: 1"=60'

LEGEND

- DIRECTION OF TRAFFIC
- TEMPORARY STRIPING
- CHANNELIZER (10' O.C. UNLESS OTHERWISE NOTED)
- K-RAIL
- TYPE III BARRICADE
- TEMPORARY SIGN
- WORK ZONE
- (27B) STRIPING DETAIL NUMBER (PER MUTCD)
- CRASH CUSHION
- CHANGEABLE MESSAGE SIGN (CMS)

NOTE: DIMENSIONS ARE PERPENDICULAR TO CAPITOL EXPRESSWAY TRAFFIC



SECTION A PHASE I WORK ZONE

NTS

PHASE 1 DESCRIPTION OF WORK

DEMOLITION:

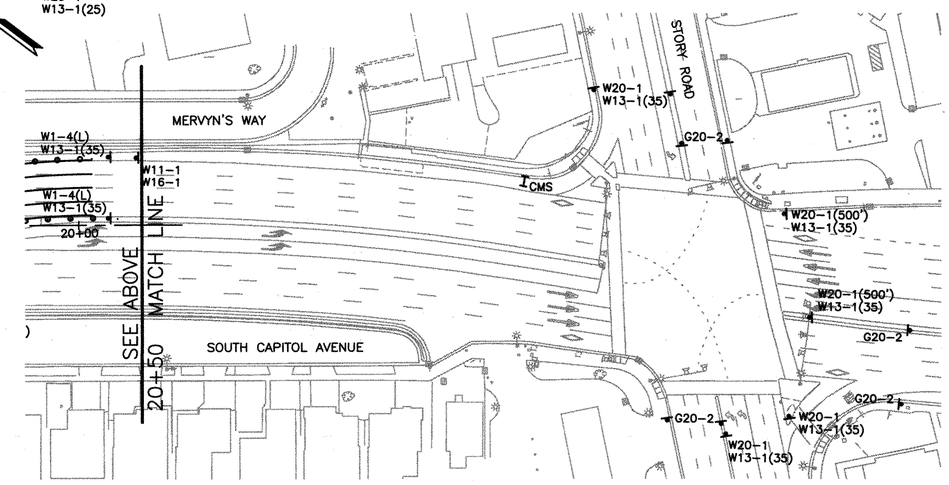
1. REMOVE 1200± CAPITOL EXPRESSWAY MEDIAN AND INSTALL TEMP AC PAVEMENT.
2. REMOVE 800± LF SOUTH CAPITOL AVENUE DIVIDER AND INSTALL TEMP AC PAVEMENT.
3. REMOVE 98± LF CURB & GUTTER ON EAST SIDE OF CAPITOL EXPRESSWAY.
4. REMOVE 74± LF EX CULVERT AND ASSOCIATED PAVEMENT.

CONSTRUCTION:

1. INSTALL 70± LF NEW RCB CULVERT.
2. INSTALL NEW TWIN 10" SIPHON, 6" AIR JUMPER AND ASSOCIATED MANHOLE STRUCTURES.
3. INSTALL 98± LF NEW CURB, GUTTER & DRIVEWAY ON EAST SIDE OF CAPITOL EXPRESSWAY.
4. INSTALL 178± LF NEW 12" SS & MANHOLES.
5. REPLACE PAVEMENT OVER NEW RCB CULVERT AND SS TRENCH.

SIGN CODE (PER MUTCD)

R1-1	STOP
R8-3	NO PARKING (SYMBOL)
R9-9	SIDEWALK CLOSED
R9-11	SIDEWALK CLOSED AHEAD – CROSS HERE
R9-11a	SIDEWALK CLOSED – CROSS HERE
R11-12	ROAD CLOSED
W1-4	LANE SHIFT ARROW – LEFT (L) OR RIGHT (R)
W4-2	MERGE LEFT (SYMBOL)
W4-7	THRU TRAFFIC MERGE – LEFT (L) OR RIGHT (R)
W6-1	DIVIDED HIGHWAY (SYMBOL)
W6-3	TWO-WAY TRAFFIC (SYMBOL)
W9-1	LANE ENDS – LEFT (L) OR RIGHT (R)
W11-1	BICYCLE
W13-1	SPEED LIMIT (25 MPH)
W16-1	SHARE THE ROAD
W20-1	ROAD WORK AHEAD
W20-3	ROAD CLOSED (AHEAD)
G20-2	END ROAD WORK



CAPITOL EXPRESSWAY PHASE 1

SCALE: 1"=60'

GENERAL TRAFFIC CONTROL NOTES

1. ALL TRAFFIC CONTROL DEVICES, SIGNS, AND METHODS SHALL ADHERE TO SECTION 6 OF THE LATEST VERSION OF THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
2. THE TRAFFIC CONTROL SHOWN ON THIS PLAN IS THE MINIMUM NECESSARY FOR THE PHASE OF WORK DESCRIBED HEREIN. THE CONTRACTOR SHALL SUBMIT PROPOSED WORK SCHEDULE AND TRAFFIC CONTROL AND PHASING PLANS TO THE SANTA CLARA COUNTY DEPARTMENT OF ROADS & AIRPORTS FOR REVIEW AND APPROVAL PRIOR TO BEGINNING CONSTRUCTION.
3. NO WORK THAT INTERFERES WITH PUBLIC TRAFFIC SHALL BE PERFORMED BEFORE 8:30AM NOR AFTER 3:30PM.
4. SEE SHEETS 38 AND 39 FOR CAPITOL EXPRESSWAY ULTIMATE UTILITY AND SURFACE IMPROVEMENTS.
5. LOCATE CHANGEABLE MESSAGE SIGNS (CMS) WHERE SHOWN ON PLAN WITH THE MESSAGE "ROAD WORK AHEAD – 35 MPH SPEED LIMIT".
6. CONTRACTOR SHALL REMOVE ALL EXISTING STRIPING WITHIN THE LIMITS OF TRAFFIC LANE SHIFTS, INCLUDING TRANSITION AREAS, AND PROVIDE TEMPORARY STRIPING AS SHOWN. ONCE CONSTRUCTION IS COMPLETE, THE CONTRACTOR SHALL SLURRY SEAL THE AFFECTED AREA (TWO COATS) AND REPLACE THE ORIGINAL STRIPING, MARKINGS AND MARKERS, TO THE SATISFACTION OF THE SANTA CLARA COUNTY DEPARTMENT OF ROADS & AIRPORTS FROM STA 5+00± TO 20+00±.
7. CONTRACTOR SHALL COORDINATE TRAFFIC SIGNAL AND DETECTOR CHANGES WITH THE CITY OF SAN JOSE AND CALTRANS.
8. ALL PREP WORK SHALL BE DONE WITH STANDARD OFF-PEAK LANE CLOSURE PRACTICES. THIS TRAFFIC CONTROL PLAN SHALL BE KEPT TO A MINIMUM DURATION AND RESERVED AS A LAST ALTERNATIVE FOR ONLY MAJOR WORK NOT POSSIBLE WITH NORMAL TRAFFIC CONTROL.
9. COVER/REMOVE ALL HOV RELATED MARKINGS/SIGNS FOR THE SOUTHBOUND DIRECTION OF THE PROJECT AREA. REPLACE/UNCOVER AFTER PROJECT.

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

RJA
RUGGERI-JENSEN-AZAR
ENGINEERS • PLANNERS • SURVEYORS
5500 CHABOT ARROYO DUBLIN, CA 94568
PHONE: (408) 846-6200 FAX: (408) 846-6202

DATE	ENGINEERING CERTIFICATION
05-18-10	REGISTERED PROFESSIONAL ENGINEER — CIVIL — STATE OF CALIFORNIA
DESIGN JS/CW	
DRAWN LW	
CHECKED CP	5/18/10
	PROJECT ENGINEER DATE

Santa Clara Valley Water District

ACCEPTED BY DISTRICT

Dennis Cheong 6/1/10

DATE

PROJECT NAME AND SHEET DESCRIPTION:

LOWER SILVER CREEK REACHES 4, 5 & 6A

TRAFFIC CONTROL PLAN CAPITOL EXPRESSWAY OVERCROSSING PHASE 1

SCALE	PROJECT NUMBER
AS SHOWN	40264008
VERIFY SCALES 0 1" BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	SHEET CODE: C-27
	PAGE NUMBER: 40 OF 188

DOCUMENT NUMBER: CAD_XX-X-XXXX-XXXXX 4026 - 43029

USERNAME: cwright FILENAME: W:\Jobs 09\092051\Drawings\Final\Plans\40 C-27 TRAFCTL CAPEX-1.dwg, Thu 27 May 2010 03:37pm

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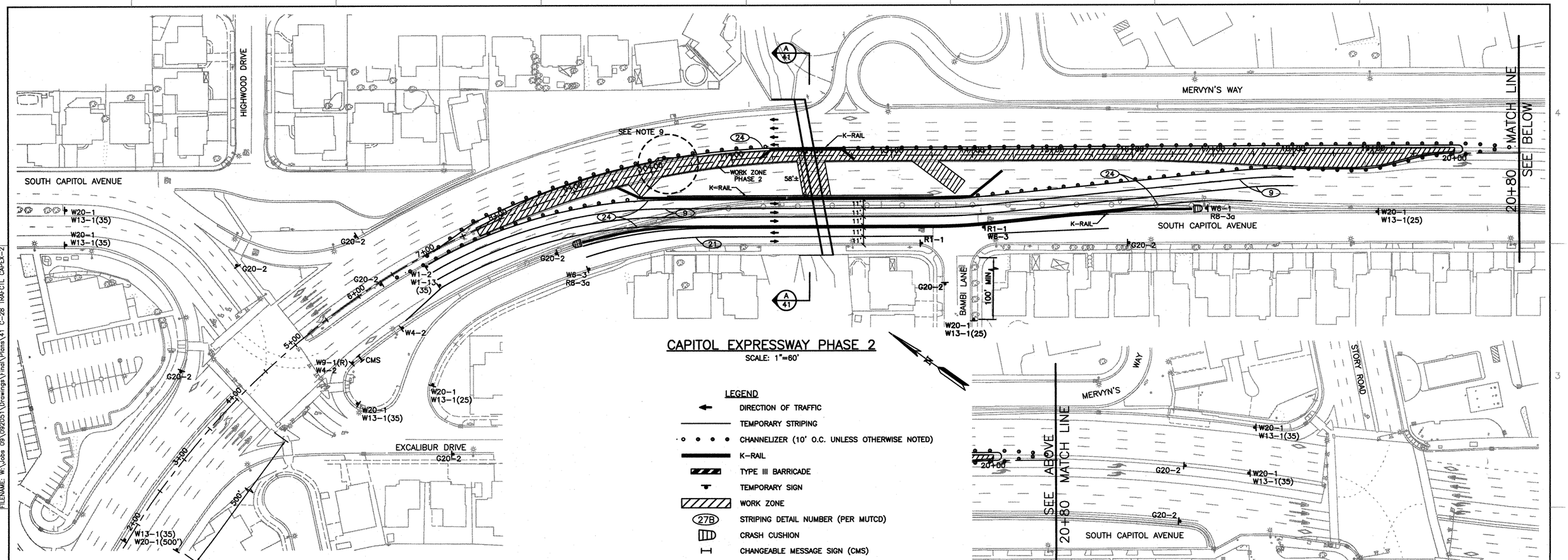


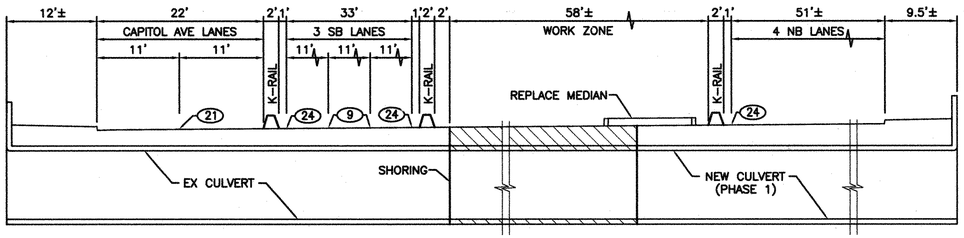
CAPITOL EXPRESSWAY PHASE 2

SCALE: 1"=60'

LEGEND

- DIRECTION OF TRAFFIC
- TEMPORARY STRIPING
- CHANNELIZER (10' O.C. UNLESS OTHERWISE NOTED)
- K-RAIL
- TYPE III BARRICADE
- TEMPORARY SIGN
- WORK ZONE
- (27B) STRIPING DETAIL NUMBER (PER MUTCD)
- CRASH CUSHION
- CHANGEABLE MESSAGE SIGN (CMS)

NOTE: DIMENSIONS ARE PERPENDICULAR TO CAPITOL EXPRESSWAY TRAFFIC



SECTION A PHASE 2 WORK ZONE

NTS

PHASE 2 DESCRIPTION OF WORK

DEMOLITION:

1. REMOVE TEMPORARY PAVEMENT AT CAPITOL EXPRESSWAY MEDIAN.
2. REMOVE PAVEMENT NECESSARY FOR CULVERT INSTALLATION.

CONSTRUCTION:

1. INSTALL 50± LF NEW RCB CULVERT.
2. INSTALL 110± LF NEW 12" SS TO POINT OF CONNECTION WITH EX SEWER LINE.
3. REPLACE 1200± LF CAPITOL EXPRESSWAY MEDIAN AND ASSOCIATED FIXTURES.
4. REPLACE TRAFFIC SIGNAL INTERCONNECT IN CAPITOL EXPRESSWAY MEDIAN FROM SOUTH CAPITOL AVENUE TO STORY ROAD.
5. REPLACE PAVEMENT OVER NEW RCB CULVERT AND SS TRENCH.

SIGN CODE (PER MUTCD)

R1-1	STOP
R8-3	NO PARKING (SYMBOL)
R9-9	SIDEWALK CLOSED
R9-11	SIDEWALK CLOSED AHEAD – CROSS HERE
R9-11a	SIDEWALK CLOSED – CROSS HERE
W1-4	LANE SHIFT ARROW – LEFT (L) OR RIGHT (R)
W4-2	MERGE LEFT (SYMBOL)
W4-7	THRU TRAFFIC MERGE – LEFT (L) OR RIGHT (R)
W6-1	DIVIDED HIGHWAY (SYMBOL)
W6-3	TWO-WAY TRAFFIC (SYMBOL)
W9-1	LANE ENDS – LEFT (L) OR RIGHT (R)
W13-1	SPEED LIMIT (25 MPH)
W20-1	ROAD WORK AHEAD
G20-2	END ROAD WORK

CAPITOL EXPRESSWAY PHASE 2

SCALE: 1"=60'

GENERAL TRAFFIC CONTROL NOTES

1. ALL TRAFFIC CONTROL DEVICES, SIGNS, AND METHODS SHALL ADHERE TO SECTION 6 OF THE LATEST VERSION OF THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
2. THE TRAFFIC CONTROL SHOWN ON THIS PLAN IS THE MINIMUM NECESSARY FOR THE PHASE OF WORK DESCRIBED HEREIN. THE CONTRACTOR SHALL SUBMIT PROPOSED WORK SCHEDULE AND TRAFFIC CONTROL AND PHASING PLANS TO THE SANTA CLARA COUNTY DEPARTMENT OF ROADS & AIRPORTS FOR REVIEW AND APPROVAL PRIOR TO BEGINNING CONSTRUCTION.
3. NO WORK THAT INTERFERES WITH PUBLIC TRAFFIC SHALL BE PERFORMED BEFORE 8:30AM NOR AFTER 3:30PM.
4. SEE SHEETS 38 AND 39 FOR CAPITOL EXPRESSWAY ULTIMATE UTILITY AND SURFACE IMPROVEMENTS.
5. LOCATE CHANGEABLE MESSAGE SIGNS (CMS) WHERE SHOWN ON PLAN WITH THE MESSAGE "ROAD WORK AHEAD – 35 MPH SPEED LIMIT".
6. CONTRACTOR SHALL REMOVE ALL EXISTING STRIPING WITHIN THE LIMITS OF TRAFFIC LANE SHIFTS, INCLUDING TRANSITION AREAS, AND PROVIDE TEMPORARY STRIPING AS SHOWN. ONCE CONSTRUCTION IS COMPLETE, THE CONTRACTOR SHALL SLURRY SEAL THE AFFECTED AREA (TWO COATS) AND REPLACE THE ORIGINAL STRIPING, MARKINGS AND MARKERS, TO THE SATISFACTION OF THE SANTA CLARA COUNTY DEPARTMENT OF ROADS & AIRPORTS FROM STA 5+00± TO 20+00±.
7. CONTRACTOR SHALL COORDINATE TRAFFIC SIGNAL AND DETECTOR CHANGES WITH THE CITY OF SAN JOSE AND CALTRANS.
8. ALL PREP WORK SHALL BE DONE WITH STANDARD OFF-PEAK LANE CLOSURE PRACTICES. THIS TRAFFIC CONTROL PLAN SHALL BE KEPT TO A MINIMUM DURATION AND RESERVED AS A LAST ALTERNATIVE FOR ONLY MAJOR WORK NOT POSSIBLE WITH NORMAL TRAFFIC CONTROL.
9. IF NECESSARY TO SHUT DOWN THE FOURTH NB LANE TO INSTALL THE 12" SS NORTH OF THE CULVERT, THIS WORK, INCLUDING ANY LANE SHUT DOWNS SHALL BE DONE AT NIGHT FROM 9:00 P.M. TO 6:00 A.M.

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

RJA RUGGERI-JENSEN-AZAR ENGINEERS • PLANNERS • SURVEYORS 5353 DAMON ARROYO GILROY, CA 95020 PHONE: (408) 848-3200 FAX: (408) 848-3202

DATE 05-18-10 | DESIGN JS/CW | DRAWN LW | CHECKED CP

ENGINEERING CERTIFICATION: REGISTERED PROFESSIONAL ENGINEER CHANDRA JAI JEEN CIVIL STATE OF CALIFORNIA 3/31/12

PROJECT ENGINEER 5/18/10 DATE

Santa Clara Valley Water District

ACCEPTED BY DISTRICT: Dennis Cheung 6/1/10 DATE

PROJECT NAME AND SHEET DESCRIPTION:

LOWER SILVER CREEK REACHES 4, 5 & 6A

TRAFFIC CONTROL PLAN CAPITOL EXPRESSWAY OVERCROSSING PHASE 2

SCALE: AS SHOWN

VERIFY SCALES: 0 1" BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

PROJECT NUMBER: 40264008

SHEET CODE: C-28

PAGE NUMBER: 41 OF 188

DOCUMENT NUMBER: CAD_XX-X-XXXX-XXXXX

4026 - 43030

USERNAME: cwright Thu 27 May 2010 03:36pm
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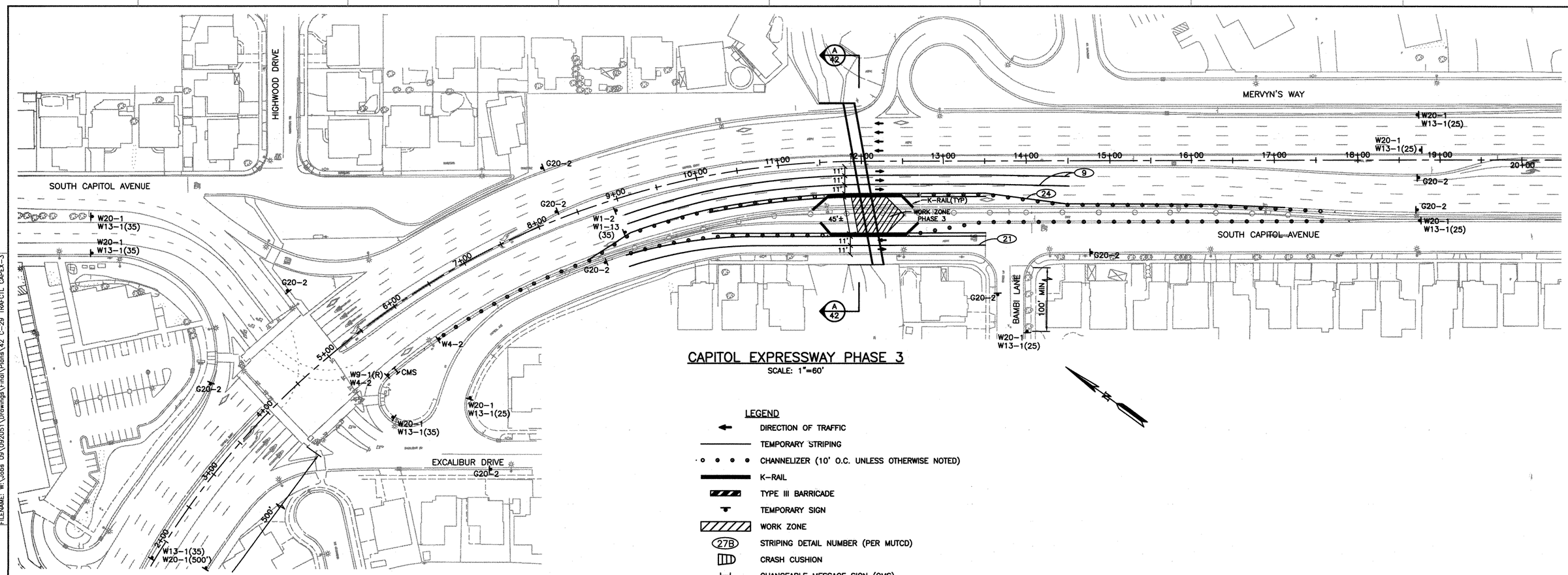
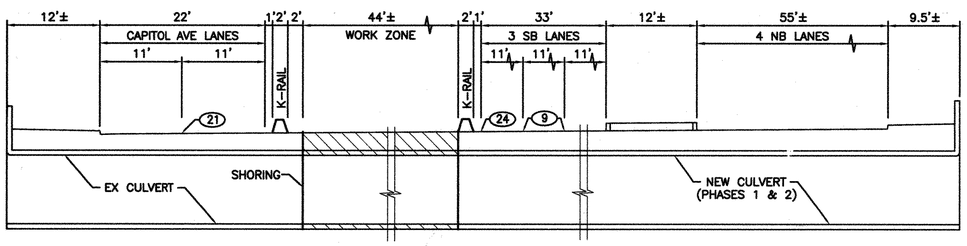


CAPITOL EXPRESSWAY PHASE 3

SCALE: 1"=60'

NOTE: DIMENSIONS ARE PERPENDICULAR TO CAPITOL EXPRESSWAY TRAFFIC



SECTION A PHASE 3 WORK ZONE

NTS

PHASE 3 DESCRIPTION OF WORK

DEMOLITION:

1. REMOVE 76± LF EX 12" SS SIPHON.
2. REMOVE 40± LF EX SD AND OUTFALL.
3. REMOVE PAVEMENT NECESSARY FOR CULVERT INSTALLATION.

CONSTRUCTION:

1. INSTALL 36± LF NEW RCB CULVERT.
2. INSTALL NE 36" SD OUTFALL AND ASSOCIATED MANHOLE.
3. REPLACE 500± LF SOUTH CAPITOL AVENUE DIVIDER AND ASSOCIATED FIXTURES.
4. REPLACE PAVEMENT OVER NEW RCB CULVERT AND SD.

LEGEND

- DIRECTION OF TRAFFIC
- TEMPORARY STRIPING
- CHANNELIZER (10' O.C. UNLESS OTHERWISE NOTED)
- K-RAIL
- TYPE III BARRICADE
- TEMPORARY SIGN
- WORK ZONE
- (27B) STRIPING DETAIL NUMBER (PER MUTCD)
- CRASH CUSHION
- CHANGEABLE MESSAGE SIGN (CMS)

SIGN CODE (PER MUTCD)

R1-1	STOP
R8-3	NO PARKING (SYMBOL)
R9-9	SIDEWALK CLOSED
R9-11	SIDEWALK CLOSED AHEAD – CROSS HERE
R9-11a	SIDEWALK CLOSED – CROSS HERE
W1-4	LANE SHIFT ARROW – LEFT (L) OR RIGHT (R)
W4-2	MERGE LEFT (SYMBOL)
W4-7	THRU TRAFFIC MERGE – LEFT (L) OR RIGHT (R)
W6-1	DIVIDED HIGHWAY (SYMBOL)
W6-3	TWO-WAY TRAFFIC (SYMBOL)
W9-1	LANE ENDS – LEFT (L) OR RIGHT (R)
W13-1	SPEED LIMIT (25 MPH)
W20-1	ROAD WORK AHEAD
G20-2	END ROAD WORK

GENERAL TRAFFIC CONTROL NOTES

1. ALL TRAFFIC CONTROL DEVICES, SIGNS, AND METHODS SHALL ADHERE TO SECTION 6 OF THE LATEST VERSION OF THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
2. THE TRAFFIC CONTROL SHOWN ON THIS PLAN IS THE MINIMUM NECESSARY FOR THE PHASE OF WORK DESCRIBED HEREIN. THE CONTRACTOR SHALL SUBMIT PROPOSED WORK SCHEDULE AND TRAFFIC CONTROL AND PHASING PLANS TO THE SANTA CLARA COUNTY DEPARTMENT OF ROADS & AIRPORTS FOR REVIEW AND APPROVAL PRIOR TO BEGINNING CONSTRUCTION.
3. NO WORK THAT INTERFERES WITH PUBLIC TRAFFIC SHALL BE PERFORMED BEFORE 8:30AM NOR AFTER 3:30PM.
4. SEE SHEETS 38 AND 39 FOR CAPITOL EXPRESSWAY ULTIMATE UTILITY AND SURFACE IMPROVEMENTS.
5. LOCATE CHANGEABLE MESSAGE SIGNS (CMS) WHERE SHOWN ON PLAN WITH THE MESSAGE "ROAD WORK AHEAD – 35 MPH SPEED LIMIT".
6. CONTRACTOR SHALL REMOVE ALL EXISTING STRIPING WITHIN THE LIMITS OF TRAFFIC LANE SHIFTS, INCLUDING TRANSITION AREAS, AND PROVIDE TEMPORARY STRIPING AS SHOWN. ONCE CONSTRUCTION IS COMPLETE, THE CONTRACTOR SHALL SLURRY SEAL THE AFFECTED AREA (TWO COATS) AND REPLACE THE ORIGINAL STRIPING, MARKINGS AND MARKERS, TO THE SATISFACTION OF THE SANTA CLARA COUNTY DEPARTMENT OF ROADS & AIRPORTS FROM STA 5+00± TO 20+00±.
7. CONTRACTOR SHALL COORDINATE TRAFFIC SIGNAL AND DETECTOR CHANGES WITH THE CITY OF SAN JOSE AND CALTRANS.
8. ALL PREP WORK SHALL BE DONE WITH STANDARD OFF-PEAK LANE CLOSURE PRACTICES. THIS TRAFFIC CONTROL PLAN SHALL BE KEPT TO A MINIMUM DURATION AND RESERVED AS A LAST ALTERNATIVE FOR ONLY MAJOR WORK NOT POSSIBLE WITH NORMAL TRAFFIC CONTROL.

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

RJA RUGGERI-JENSEN-AZAR ENGINEERS • PLANNERS • SURVEYORS 5005 CAMINO ARROYO GILROY, CA 95020 PHONE: (408) 846-0300 FAX: (408) 846-0302

DATE 05-18-10 | DESIGN JS/CW | DRAWN LW | CHECKED CP

ENGINEERING CERTIFICATION: REGISTERED PROFESSIONAL ENGINEER, CHRISTOPHER PAUL WILLIAMS, No. C 47190, CIVIL, STATE OF CALIFORNIA — EXP. 3-31-12 — 5/18/10

PROJECT ENGINEER DATE

Santa Clara Valley Water District

ACCEPTED BY DISTRICT: Dennis Cheong 6/1/10

DATE

PROJECT NAME AND SHEET DESCRIPTION:

LOWER SILVER CREEK REACHES 4, 5 & 6A

TRAFFIC CONTROL PLAN CAPITOL EXPRESSWAY OVERCROSSING PHASE 3

SCALE: AS SHOWN

VERIFY SCALES: 0 — 1" BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

PROJECT NUMBER: 40264008

SHEET CODE: C-29

PAGE NUMBER: 42 OF 188

DOCUMENT NUMBER: CAD_XX-X-XXXX-XXXXX

4026 - 43031

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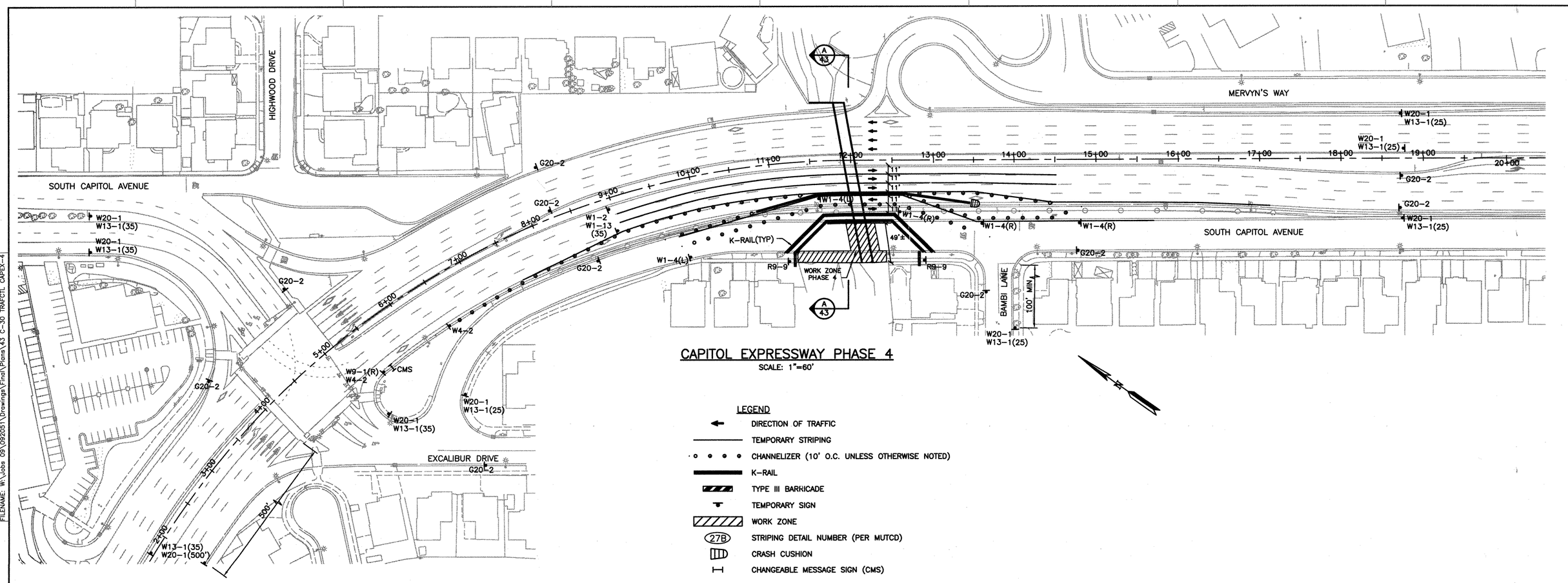


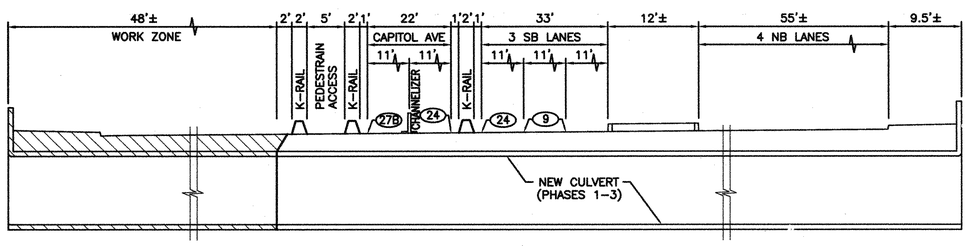
CAPITOL EXPRESSWAY PHASE 4

SCALE: 1"=60'

LEGEND

- DIRECTION OF TRAFFIC
- TEMPORARY STRIPING
- CHANNELIZER (10' O.C. UNLESS OTHERWISE NOTED)
- K-RAIL
- TYPE III BARRICADE
- TEMPORARY SIGN
- WORK ZONE
- (27B) STRIPING DETAIL NUMBER (PER MUTCD)
- CRASH CUSHION
- CHANGEABLE MESSAGE SIGN (CMS)

NOTE: DIMENSIONS ARE PERPENDICULAR TO CAPITOL EXPRESSWAY TRAFFIC



SECTION A – PHASE 4 WORK ZONE

NTS

PHASE 4 DESCRIPTION OF WORK

DEMOLITION:
1. REMOVE 108± LF CURB, GUTTER & SIDEWALK ON WEST SIDE OF SOUTH CAPITOL AVENUE.
2. REMOVE PAVEMENT NECESSARY FOR CULVERT INSTALLATION.

CONSTRUCTION:
1. INSTALL 44± LF NEW RCB CULVERT.
2. REPLACE 108± LF CURB, GUTTER, SIDEWALK & DRIVEWAY ON WEST SIDE OF SOUTH CAPITOL AVENUE.
3. REPLACE PAVEMENT OVER NEW RCB CULVERT.
4. REPLACE REMAINING SOUTH CAPITOL AVENUE AVENUE DIVIDER.

SIGN CODE (PER MUTCD)

R1-1	STOP
R8-3	NO PARKING (SYMBOL)
R9-9	SIDEWALK CLOSED
R9-11	SIDEWALK CLOSED AHEAD – CROSS HERE
R9-11a	SIDEWALK CLOSED – CROSS HERE
W1-4	LANE SHIFT ARROW – LEFT (L) OR RIGHT (R)
W4-2	MERGE LEFT (SYMBOL)
W4-7	THRU TRAFFIC MERGE – LEFT (L) OR RIGHT (R)
W6-1	DIVIDED HIGHWAY (SYMBOL)
W6-3	TWO-WAY TRAFFIC (SYMBOL)
W9-1	LANE ENDS – LEFT (L) OR RIGHT (R)
W13-1	SPEED LIMIT (25 MPH)
W20-1	ROAD WORK AHEAD
G20-2	END ROAD WORK

GENERAL TRAFFIC CONTROL NOTES

1. ALL TRAFFIC CONTROL DEVICES, SIGNS, AND METHODS SHALL ADHERE TO SECTION 6 OF THE LATEST VERSION OF THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
2. THE TRAFFIC CONTROL SHOWN ON THIS PLAN IS THE MINIMUM NECESSARY FOR THE PHASE OF WORK DESCRIBED HEREIN. THE CONTRACTOR SHALL SUBMIT PROPOSED WORK SCHEDULE AND TRAFFIC CONTROL AND PHASING PLANS TO THE SANTA CLARA COUNTY DEPARTMENT OF ROADS & AIRPORTS FOR REVIEW AND APPROVAL PRIOR TO BEGINNING CONSTRUCTION.
3. NO WORK THAT INTERFERES WITH PUBLIC TRAFFIC SHALL BE PERFORMED BEFORE 8:30AM NOR AFTER 3:30PM.
4. SEE SHEETS 38 AND 39 FOR CAPITOL EXPRESSWAY ULTIMATE UTILITY AND SURFACE IMPROVEMENTS.
5. LOCATE CHANGEABLE MESSAGE SIGNS (CMS) WHERE SHOWN ON PLAN WITH THE MESSAGE "ROAD WORK AHEAD – 35 MPH SPEED LIMIT".
6. CONTRACTOR SHALL REMOVE ALL EXISTING STRIPING WITHIN THE LIMITS OF TRAFFIC LANE SHIFTS, INCLUDING TRANSITION AREAS, AND PROVIDE TEMPORARY STRIPING AS SHOWN. ONCE CONSTRUCTION IS COMPLETE, THE CONTRACTOR SHALL SLURRY SEAL THE AFFECTED AREA (TWO COATS) AND REPLACE THE ORIGINAL STRIPING, MARKINGS AND MARKERS, TO THE SATISFACTION OF THE SANTA CLARA COUNTY DEPARTMENT OF ROADS & AIRPORTS FROM STA 5+00± TO 20+00±.
7. CONTRACTOR SHALL COORDINATE TRAFFIC SIGNAL AND DETECTOR CHANGES WITH THE CITY OF SAN JOSE AND CALTRANS.
8. ALL PREP WORK SHALL BE DONE WITH STANDARD OFF-PEAK LANE CLOSURE PRACTICES. THIS TRAFFIC CONTROL PLAN SHALL BE KEPT TO A MINIMUM DURATION AND RESERVED AS A LAST ALTERNATIVE FOR ONLY MAJOR WORK NOT POSSIBLE WITH NORMAL TRAFFIC CONTROL.

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

RJA RUGGERI-JENSEN-AZAR ENGINEERS • PLANNERS • SURVEYORS 5005 CHABOT ARROYO GILROY, CA 95020 PHONE: (408) 848-3300 FAX: (408) 848-3302

DATE 05-18-10
DESIGN JS/CW
DRAWN LW
CHECKED CP

ENGINEERING CERTIFICATION
REGISTERED PROFESSIONAL ENGINEER ANDRIYA V. OSTAPENKO EXP. 12-31-12 CIVIL STATE OF CALIFORNIA
PROJECT ENGINEER 5/18/10 DATE

Santa Clara Valley Water District
ACCEPTED BY DISTRICT
Dennis Cheung 6/1/10
DATE

PROJECT NAME AND SHEET DESCRIPTION:

LOWER SILVER CREEK REACHES 4, 5 & 6A

TRAFFIC CONTROL PLAN CAPITOL EXPRESSWAY OVERCROSSING PHASE 4

SCALE: AS SHOWN
VERIFY SCALES: 0 – 1" BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY
PROJECT NUMBER: 40264008
SHEET CODE: C-30
PAGE NUMBER: 43 OF 188

DOCUMENT NUMBER: CAD_XX-X-XXXX-XXXXX 4026-93032

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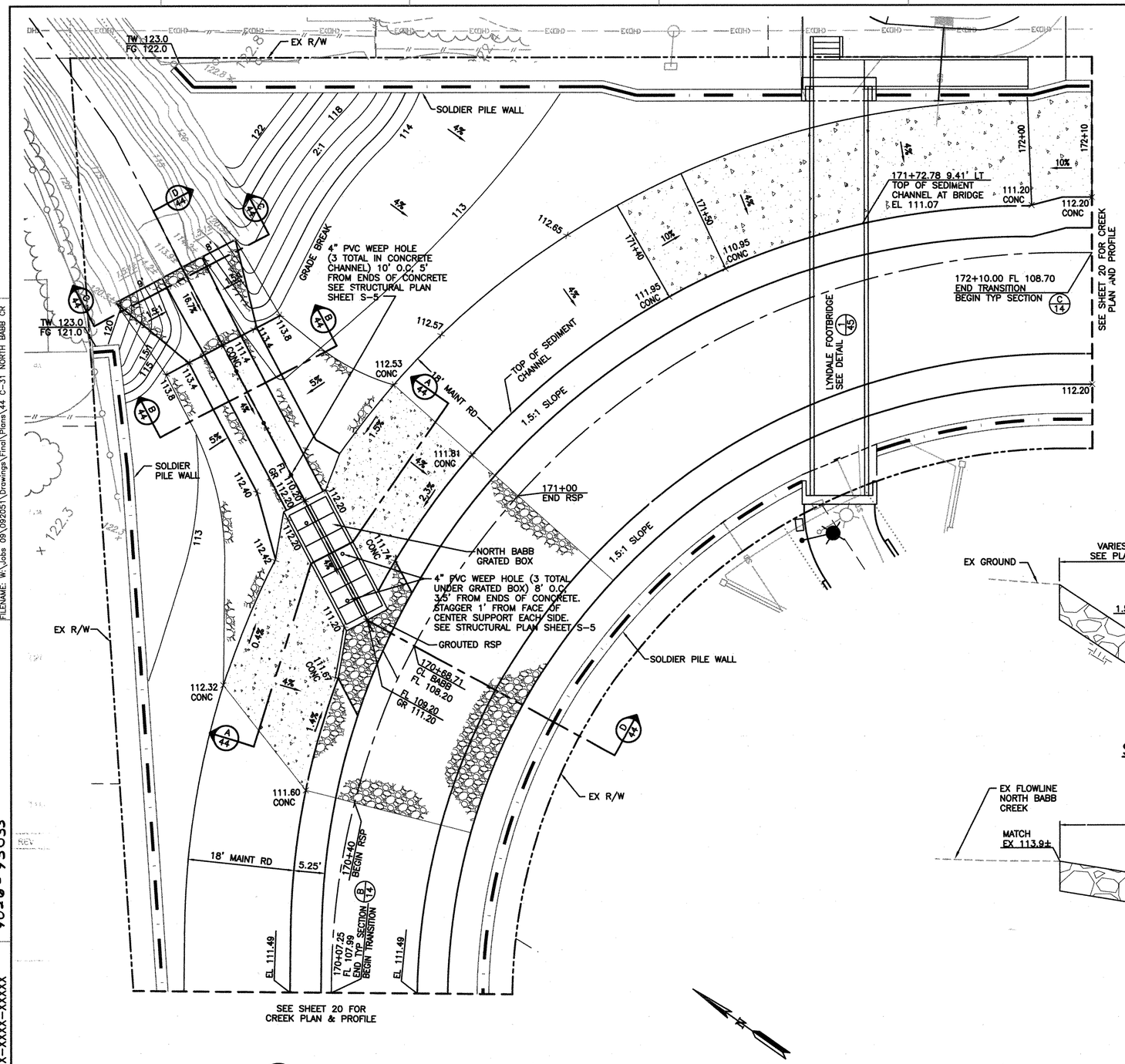

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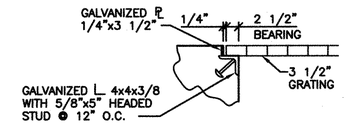
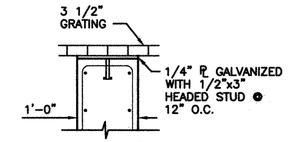
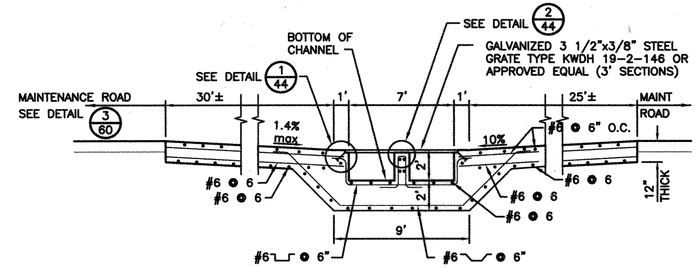
SCALE: 1"=10'



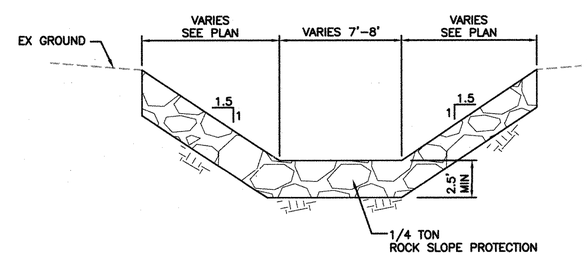
DETAIL 1/44
NTS



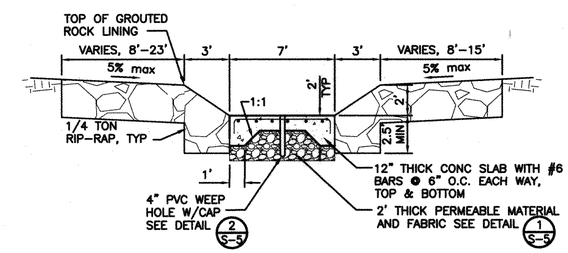
DETAIL 2/44
NTS



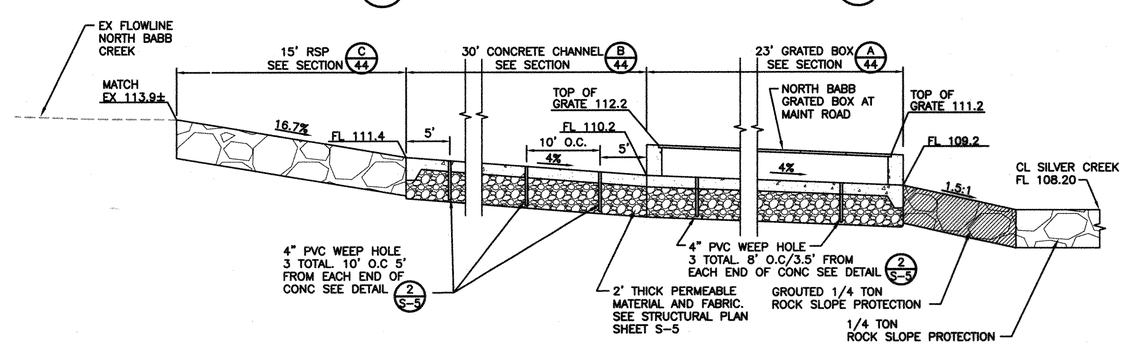
SECTION A/44 NORTH BABB GRATED BOX AT MAINTENANCE ROAD
NTS



SECTION C/44 RSP
NTS



SECTION B/44 CONCRETE CHANNEL
NTS



SECTION D/44 APRON AND SWALE CENTERLINE
NTS

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

RJA
RUGGERI-JENSEN-AZAR
ENGINEERS • PLANNERS • SURVEYORS
5000 SOARING ARROYO GILROY, CA 95020
PHONE: (408) 848-5300 FAX: (408) 848-5302

DATE	ENGINEERING CERTIFICATION
05-18-10	REGISTERED PROFESSIONAL ENGINEER — CIVIL — STATE OF CALIFORNIA
DESIGN JS/CW	
DRAWN LW	
CHECKED CP	5/18/10 PROJECT ENGINEER DATE

Santa Clara Valley Water District
ACCEPTED BY DISTRICT
Dennis Cheong 6/1/10
DATE

PROJECT NAME AND SHEET DESCRIPTION:

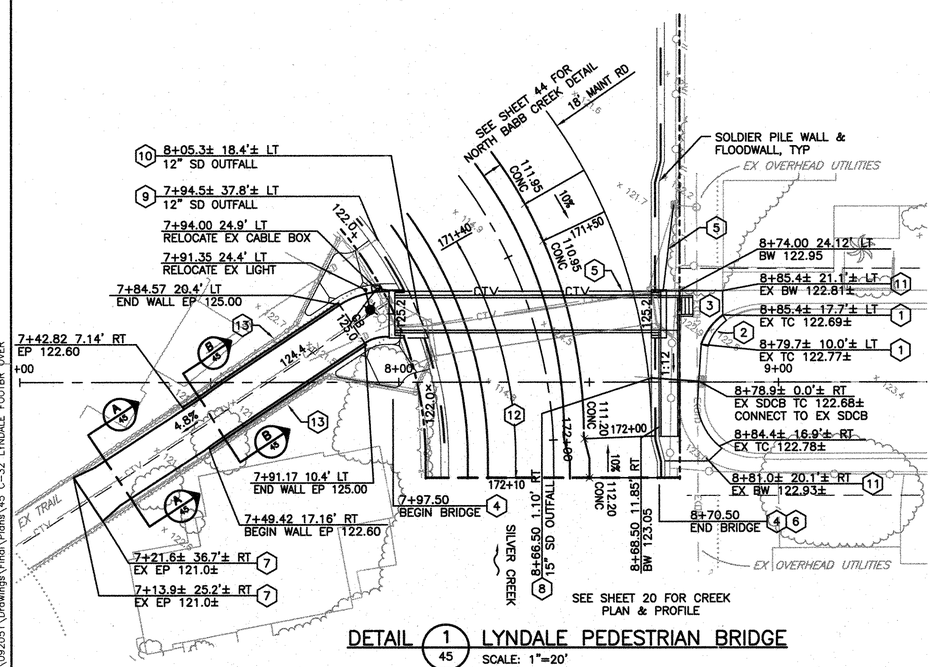
LOWER SILVER CREEK REACHES 4, 5 & 6A

CHANNEL DETAIL AT NORTH BABB CREEK CONFLUENCE

SCALE	PROJECT NUMBER
AS SHOWN	40264008
VERIFY SCALES 0 1" BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	SHEET CODE: C-31
	PAGE NUMBER: 44 OF 188

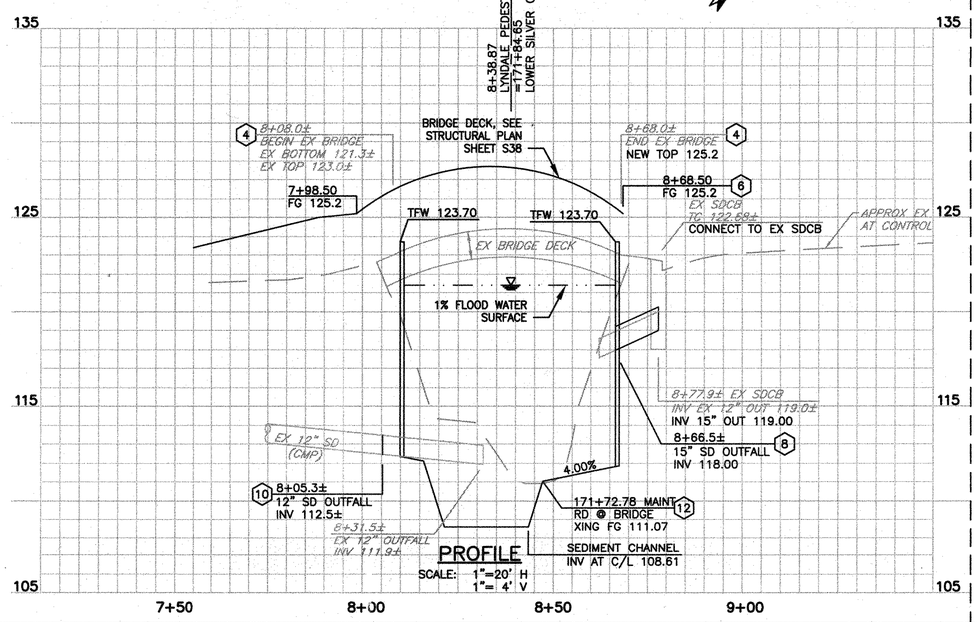
DOCUMENT NUMBER: CAD_XX-X-XXXX-XXXXX 4026-43033

USERNAME: RNeufeld Thu 27 May 2010 05:31pm
FILENAME: W:\Jobs 09\092051\Drawings\Final\Plans\44 C-31 NORTH BABB CR



DETAIL 1/45 LYNDALE PEDESTRIAN BRIDGE

SCALE: 1"=20'

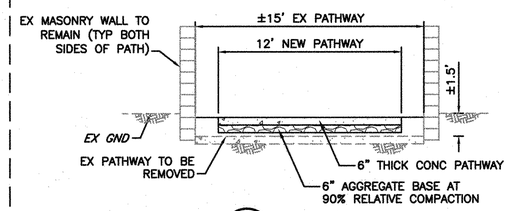


PROFILE

SCALE: 1"=20' H 1"= 4' V

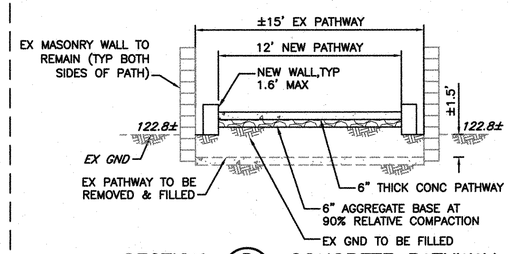
CONSTRUCTION NOTES:

1. REMOVE & REPLACE ±10 LF OF CURB & GUTTER. PROVIDE TRANSITION FROM ROLLED CURB TO TYPE 'A2' CURB. MATCH EX CURB GRADES. SEE DETAIL 1/48
2. CONFORM TO EX PAVEMENT. SEE DETAIL 3/61
3. REMOVE EX SWK AND BOLLARDS (x4). REPLACE SWK PER CJS STD DWG R-2.
4. REMOVE & REPLACE EX FOOTBRIDGE. SEE STRUCTURAL DWGS, SHEETS S39 TO S42.
5. PROVIDE CONDUIT ON NEW BRIDGE FOR CABLE INSTALLATION BY OTHERS.
6. CONSTRUCT PEDESTRIAN RAMP TO BRIDGE. SEE DETAIL 1/45
7. CONSTRUCT NEW PATH AND CONFORM TO EX TRAIL. SEE SECTIONS A/45 B/45
8. REMOVE ±16 LF OF EX 12" SD TO SDCB. INSTALL 12± LF OF 15" SD (CMP) S=0.0833. CUT PIPE FLUSH WITH WALL & INSTALL FLAPGATE. SEE DETAIL 8/60
9. MODIFY EXIST 12" RCP SD OUTFALL & INSTALL FLAPGATE. SEE DETAIL 8/60
10. MODIFY EXIST 12" CMP SD OUTFALL & INSTALL FLAPGATE. SEE DETAIL 8/60
11. CONFORM TO EX SIDEWALK.
12. MAINTENANCE ROAD TO BE DEPRESSED 1' AT BRIDGE CROSSING TO ALLOW FOR 12' MINIMUM CLEARANCE UNDER BRIDGE. CONSTRUCT CONCRETE MAINTENANCE ROAD PER DETAIL 1/44
13. EX WALL TO REMAIN IN PLACE.



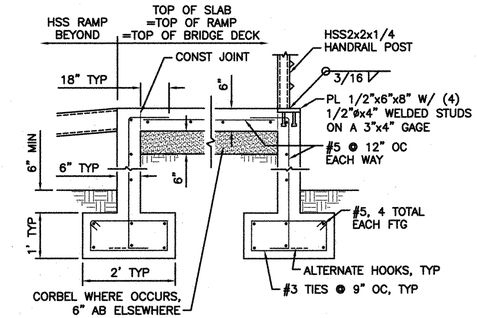
SECTION A/45 CONCRETE PATHWAY

NTS



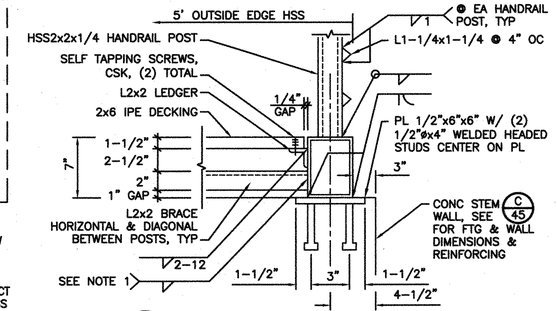
SECTION B/45 CONCRETE PATHWAY

NTS



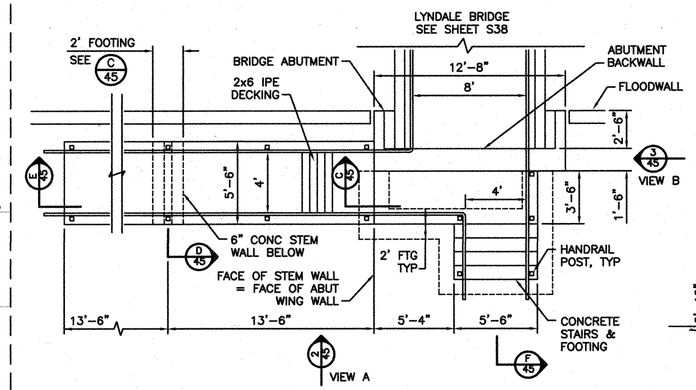
SECTION C/45 CONC STEM WALL, FOOTING & DECK

NTS



SECTION D/45 CONNECTION TO CONC WALL & DECK

NTS

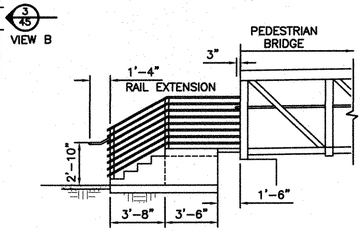


DETAIL 1/45 EAST RAMP

NTS

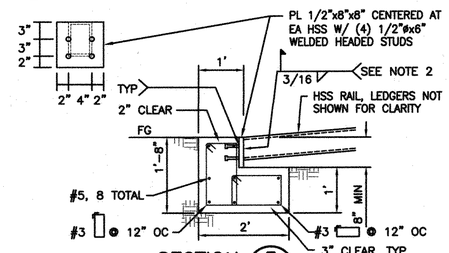
EAST RAMP NOTES:

1. WELD AT L2x2 BRACING BELOW LEDGERS, BOTHS SIDES OF VERTICAL LEG, BOTTOM SIDE HORIZONTAL LEG, TYP.
2. WELD FULL LENGTH OF CONTACT WITH EMBEDDED PL AT ALL HSS RAILS, TYP.
3. STAIR TREADS REQUIRE A ROUGH TROWEL OR BROOM FINISH AND SAFETY NOSING.



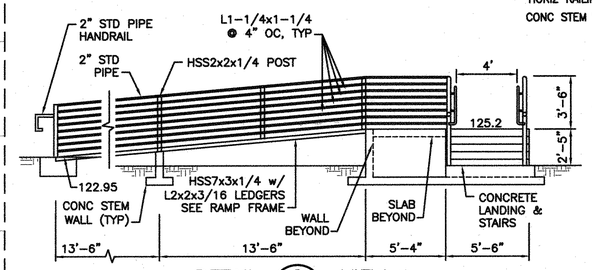
DETAIL 3/45 VIEW B

NTS



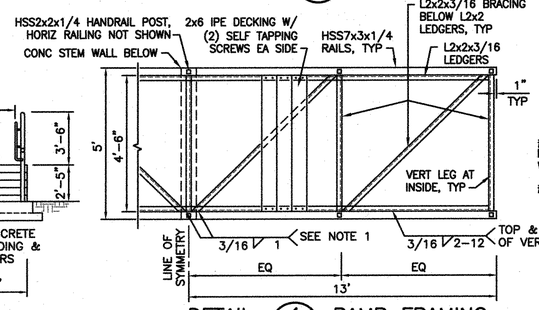
SECTION E/45

NTS



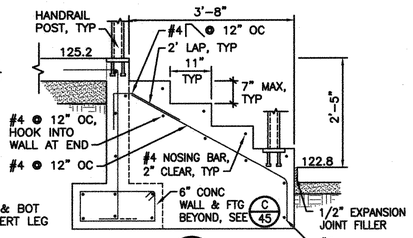
DETAIL 2/45 VIEW A

NTS



DETAIL 4/45 RAMP FRAMING

NTS



SECTION F/45 STAIRS

NTS

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

RUGGERI-JENSEN-AZAR
ENGINEERS • PLANNERS • SURVEYORS
5005 DIABLO DRIVE, STE 200 DUBLIN, CA 94568
PHONE: (408) 846-5300 FAX: (408) 846-5302

DATE	DESIGN	DRAWN	CHECKED
05-18-10	JS/CW	LW	CP

ENGINEERING CERTIFICATION

PROJECT ENGINEER — DATE 5/18/10

Santa Clara Valley Water District

ACCEPTED BY DISTRICT

Dennis Cheong — DATE 6/1/10

PROJECT NAME AND SHEET DESCRIPTION:

LOWER SILVER CREEK REACHES 4, 5 & 6A

DETAIL SHEET AT LYNDALE AVENUE FOOTBRIDGE

SCALE: AS SHOWN

VERIFY SCALES: 0 — 1"

BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

PROJECT NUMBER: 40264008

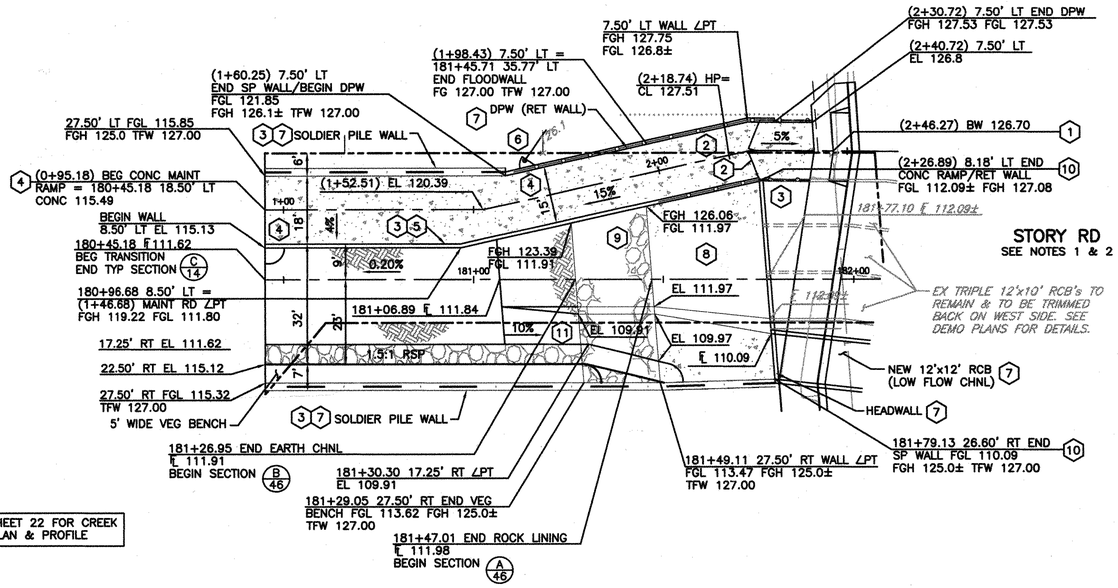
SHEET CODE: C-32

PAGE NUMBER: 45 OF 188

DOCUMENT NUMBER: CAD_XX-X-XXXX-XXXXX

USERNAME: CLaClair Fri 21 May 2010 04:17pm
FILENAME: W:\Jobs 09\092051\Drawings\Final\Plans\45 C-32 LYNDALE FOOTBR OVER

40264008



DETAIL 1/46 STORY ROAD TRANSITION

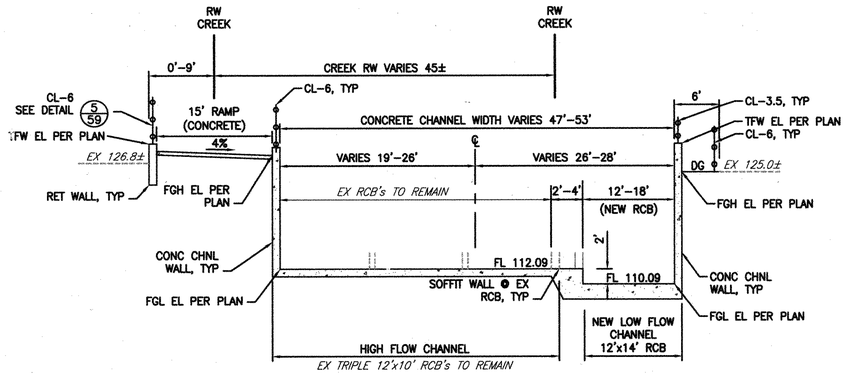
SCALE: 1"=20'

STORY ROAD NOTES:

1. SEE CIVIL SHEET 48 FOR STORY ROAD SURFACE IMPROVEMENTS.
2. SEE CIVIL SHEETS 49 TO 51 FOR STORY ROAD TRAFFIC CONTROL AND PHASING PLAN.
3. SEE CIVIL SHEET 80 FOR CHANNEL CROSS SECTIONS AT 100 FOOT INTERVALS IN THE TRANSITION AREA.

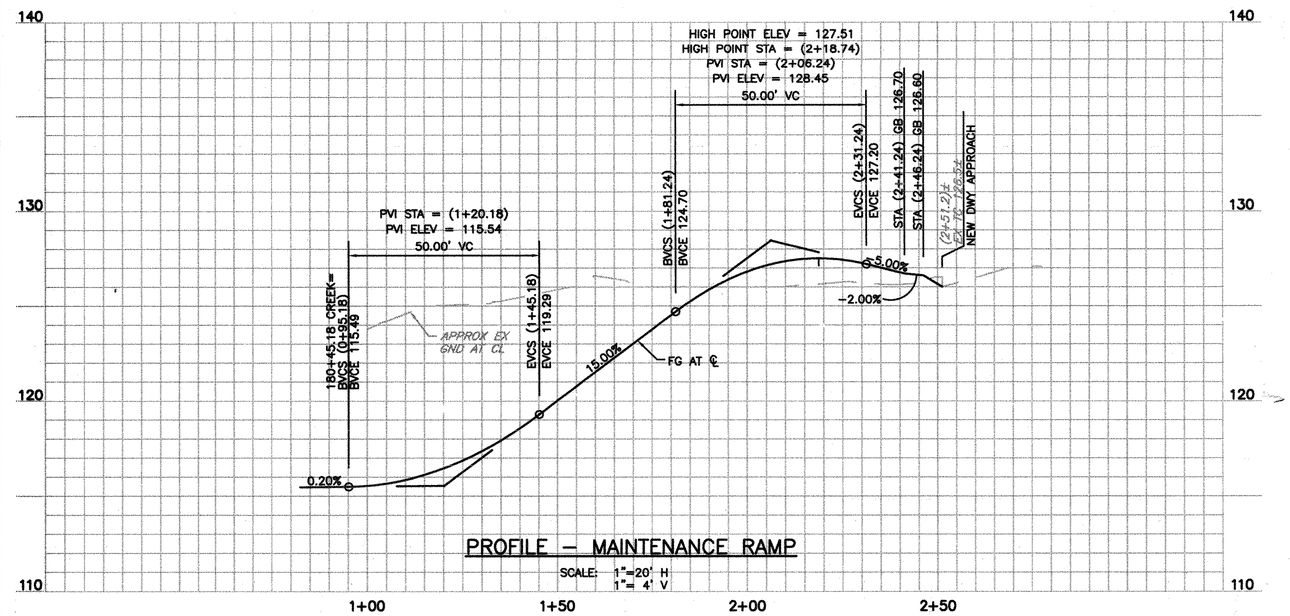
CONSTRUCTION NOTES:

1. CONSTRUCT NEW CURB AND GUTTER DRIVEWAY TRANSITION, SEE SHEET 48 FOR SURFACE IMPROVEMENTS.
2. 14' WIDE DOUBLE SWING GATE, SEE DETAIL 1/59
3. CL-6 IN CONCRETE WALL, SEE DETAIL 5/59
4. CONSTRUCT CONCRETE MAINTENANCE RAMP, SEE PROFILE BELOW AND DETAIL 5/61
5. 132 LF RETAINING WALL, SEE STRUCTURAL PLANS FOR RETAINING WALL PROFILE.
6. STA (1+64.0±) 7.50' LT, 4' WIDE SINGLE SWING GATE, SEE DETAIL 2/59
7. SEE STRUCTURAL PLAN SHEETS S-26 TO S-36 FOR STORY ROAD RCB, RETAINING WALL, FLOODWALL, WINGWALL & CONCRETE APRON DETAILS.
8. 30' LONG CONCRETE APRON IN LOW FLOW CHANNEL, SEE SECTION A/46
9. 20' LONG GROUTED RSP TRANSITION, SHAPED TO MATCH LOW-FLOW CROSS SECTION, SEE SECTION B/46
10. CONNECT CL-6 TO CONCRETE BARRIER/HEADWALL, SEE STRUCTURAL PLAN SHEET S-18.
11. 20' LONG EARTH CHANNEL TRANSITION SLOPED AT 10% FROM STA 181+06.89 EL 111.84, TO STA 181+26.95 EL 109.91. TRANSITION TO OCCUR BETWEEN LOW FLOW AND HIGH FLOW CHANNEL.



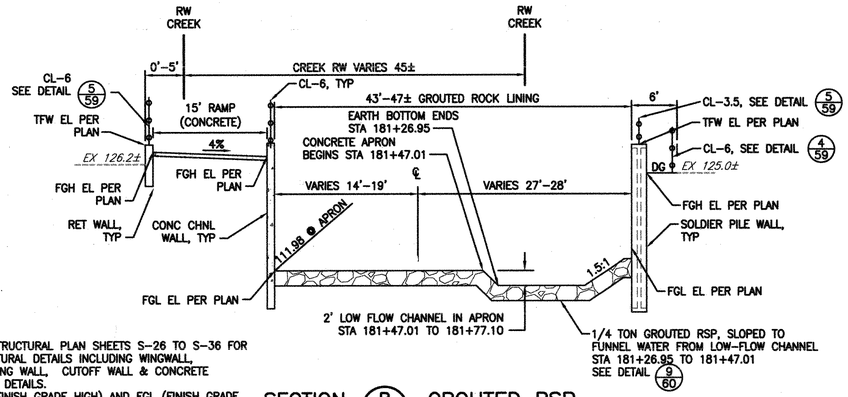
SECTION A/46 CONCRETE APRON

SCALE: 1"=10'



PROFILE - MAINTENANCE RAMP

SCALE: 1"=20' H
1"= 4' V



NOTES:

1. SEE STRUCTURAL PLAN SHEETS S-26 TO S-36 FOR STRUCTURAL DETAILS INCLUDING WINGWALL, RETAINING WALL, CUTOFF WALL & CONCRETE APRON DETAILS.
2. FGH (FINISH GRADE HIGH) AND FGL (FINISH GRADE LOW) ELEVATIONS ARE PROVIDED AT RETAINING WALL LOCATIONS. SEE STRUCTURAL PLANS FOR ALL WALL DESIGN.

SECTION B/46 GROUTED RSP

SCALE: 1"=10'

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

RJA
RUGGERI-JENSEN-AZAR
ENGINEERS • PLANNERS • SURVEYORS
8055 DAMINO AIRPORT GILROY, CA 95020
PHONE: (408) 848-0200 FAX: (408) 848-0202

DATE: 05-18-10
DESIGN: JS/CW
DRAWN: LW
CHECKED: CP

ENGINEERING CERTIFICATION
REGISTERED PROFESSIONAL ENGINEER AMANTA JAYASURIYA No. 61321 CIVIL STATE OF CALIFORNIA
5/18/10
PROJECT ENGINEER DATE

Santa Clara Valley Water District
ACCEPTED BY DISTRICT
Dennis Cheung 6/1/10
DATE

PROJECT NAME AND SHEET DESCRIPTION:

LOWER SILVER CREEK REACHES 4, 5 & 6A

NORTH CHANNEL DETAIL AT STORY ROAD OVERCROSSING

SCALE: AS SHOWN
VERIFY SCALES: 0 1"
BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

PROJECT NUMBER: 40264008
SHEET CODE: C-33
PAGE NUMBER: 46 OF 188

DOCUMENT NUMBER: CAD_XX-X-XXXX-XXXXX 4026-43035

USERNAME: cwright Thu 27 May 2010 04:06pm
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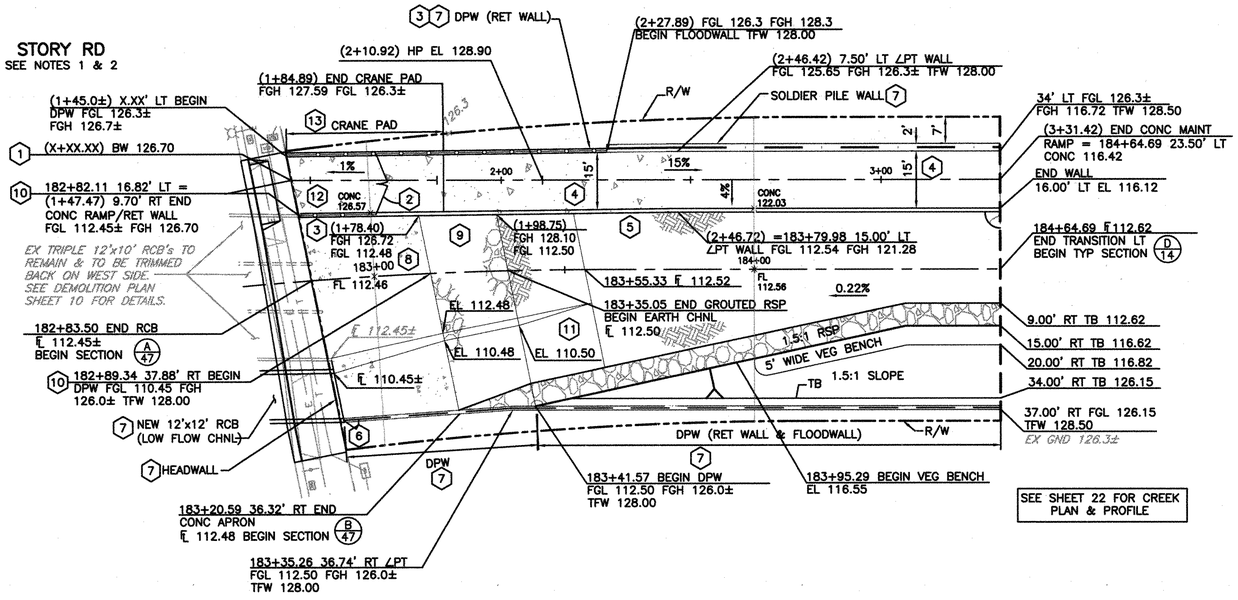


DETAIL 1/47 STORY ROAD TRANSITION

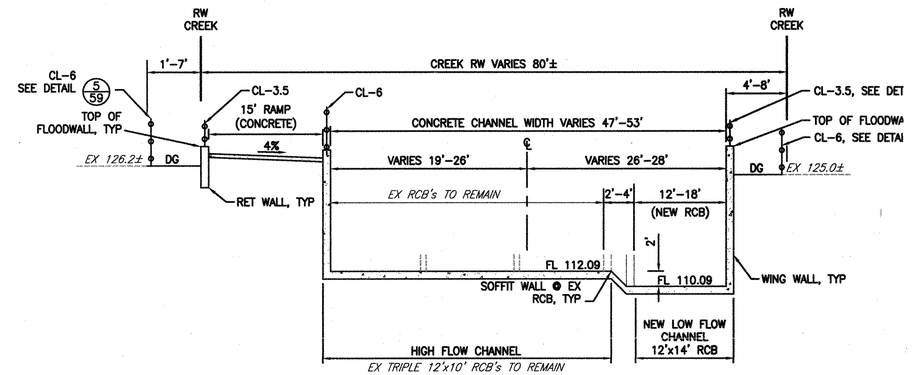
SCALE: 1"=20'

STORY ROAD NOTES:

1. SEE CIVIL SHEET 48 FOR STORY ROAD SURFACE IMPROVEMENTS.
2. SEE CIVIL SHEETS 49 TO 51 FOR STORY ROAD TRAFFIC CONTROL AND PHASING PLAN.

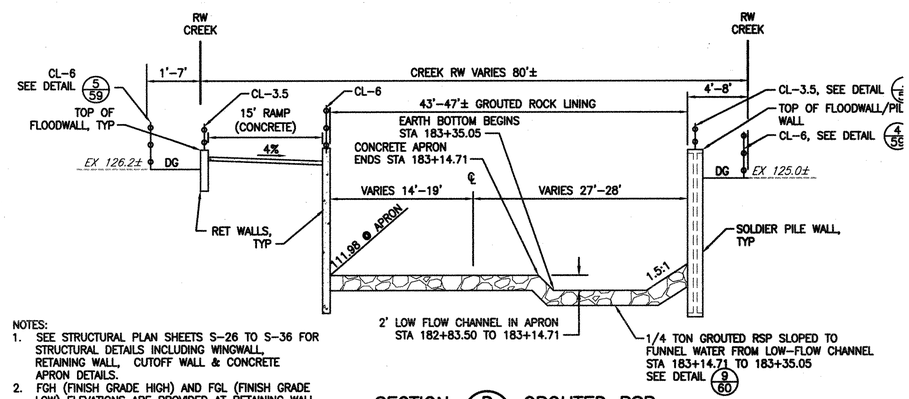
CONSTRUCTION NOTES:

1. CONSTRUCT NEW CURB AND GUTTER DRIVEWAY TRANSITION, SEE SHEET 48 FOR SURFACE IMPROVEMENTS.
2. 14' WIDE DOUBLE SWING GATE, SEE DETAIL 1/59
3. CL-6 IN CONCRETE WALL, SEE DETAIL 5/59
4. CONSTRUCT CONCRETE MAINTENANCE RAMP, SEE PROFILE BELOW AND DETAIL 5/61
5. 184 LF RETAINING WALL, SEE STRUCTURAL PLANS FOR RETAINING WALL PROFILE.
6. STA 182+89.3±, 4' WIDE SINGLE SWING GATE, SEE DETAIL 2/59
7. SEE STRUCTURAL PLAN SHEETS S-26 TO S-36 FOR STORY ROAD RCB, RETAINING WALL, FLOODWALL, WINGWALL & CONCRETE APRON DETAILS.
8. 30' LONG CONCRETE APRON IN LOW FLOW CHANNEL, SEE SECTION A/47
9. 20' LONG GROUTED RSP TRANSITION, SHAPED TO MATCH LOW-FLOW CROSS SECTION, SEE SECTION B/47
10. CONNECT CL-6 TO CONCRETE BARRIER/HEADWALL, SEE STRUCTURAL PLAN SHEET S-18.
11. 20' LONG EARTH CHANNEL TRANSITION SLOPED AT 10% FROM STA 183+35.05 EL 110.50, TO STA 183+55.33 EL 112.52. TRANSITION TO OCCUR BETWEEN LOW FLOW AND HIGH FLOW CHANNEL.
12. TRANSITION FROM BACK OF WALK GRADES TO A CROSS SLOPE OF 4% AT MAINTENANCE ROAD RAMP. TRANSITION DISTANCE IS 10'.
13. 15'x40' CONCRETE CRANE ACCESS PAD, SEE DETAIL 6/61



SECTION A/47 CONCRETE APRON

SCALE: 1"=10'

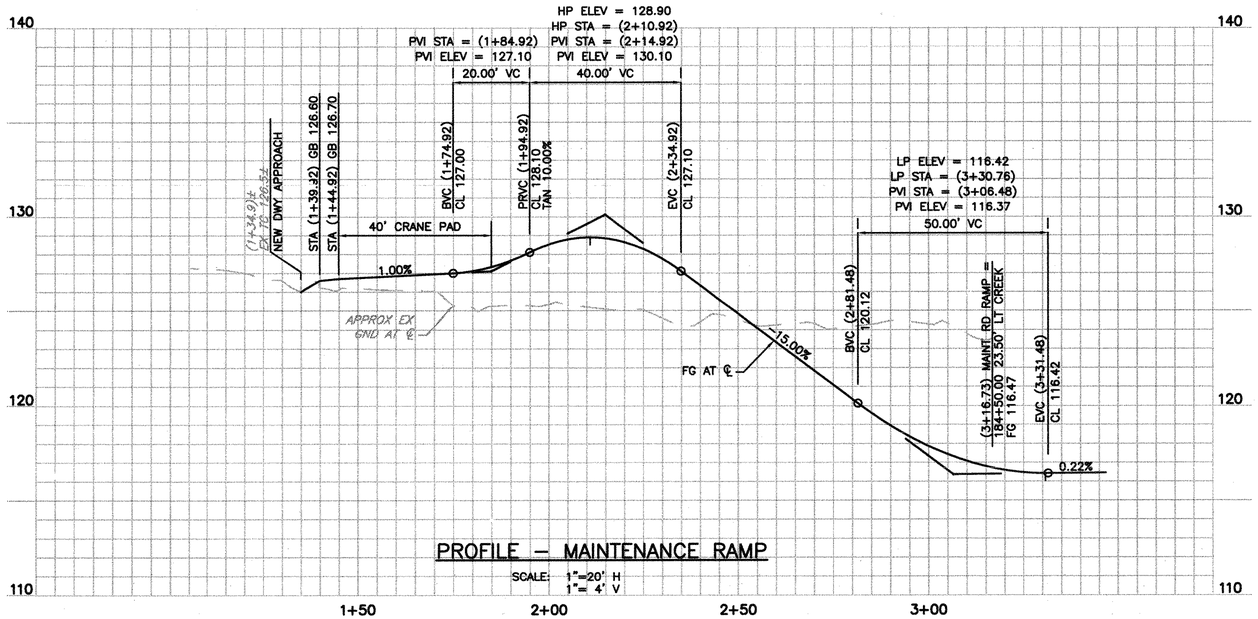


NOTES:

1. SEE STRUCTURAL PLAN SHEETS S-26 TO S-36 FOR STRUCTURAL DETAILS INCLUDING WINGWALL, RETAINING WALL, CUTOFF WALL & CONCRETE APRON DETAILS.
2. FGH (FINISH GRADE HIGH) AND FGL (FINISH GRADE LOW) ELEVATIONS ARE PROVIDED AT RETAINING WALL LOCATIONS. SEE STRUCTURAL PLANS FOR ALL WALL DESIGN.

SECTION B/47 GROUTED RSP

SCALE: 1"=10'



PROFILE – MAINTENANCE RAMP

SCALE: 1"=20' H
1"= 4' V

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

RJA RUGGERI-JENSEN-AZAR
ENGINEERS • PLANNERS • SURVEYORS
5620 CHABOT ARROYO OAKLAND, CA 94618
PHONE: (408) 848-0300 FAX: (408) 848-0302

DATE 05-18-10
DESIGN JS/CW
DRAWN LW
CHECKED CP

ENGINEERING CERTIFICATION
REGISTERED PROFESSIONAL ENGINEER ARMINTA JO JENSEN
Exp. 3-31-12 CIVIL
STATE OF CALIFORNIA
5/18/10
PROJECT ENGINEER DATE

Santa Clara Valley Water District
ACCEPTED BY DISTRICT
Dennis Cheung 6/1/10
DATE

PROJECT NAME AND SHEET DESCRIPTION:

LOWER SILVER CREEK REACHES 4, 5 & 6A

SOUTH CHANNEL DETAIL AT STORY ROAD OVERCROSSING

SCALE: AS SHOWN
VERIFY SCALES 0 1"
BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

PROJECT NUMBER 40264008
SHEET CODE: C-34
PAGE NUMBER: 47 OF 188

DOCUMENT NUMBER: CAD_XX-X-XXXX-XXXXX 4026-43036

USERNAME: cwright Thu 27 May 2010 04:07pm
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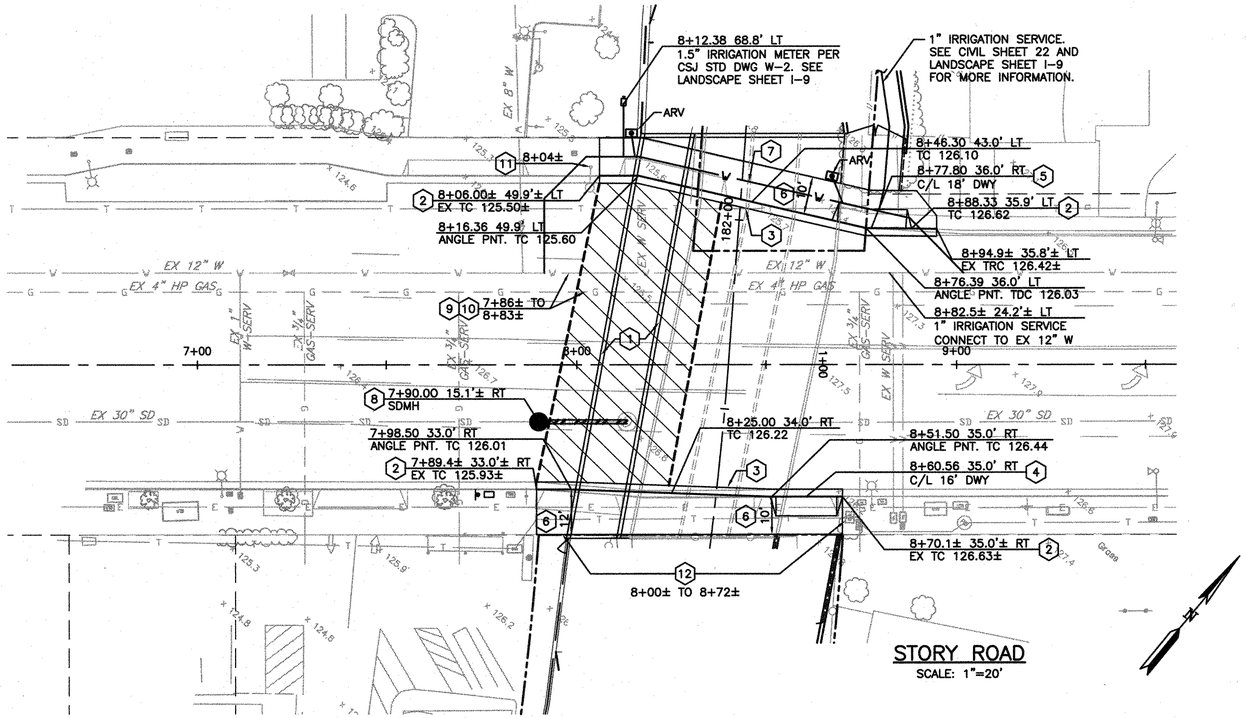
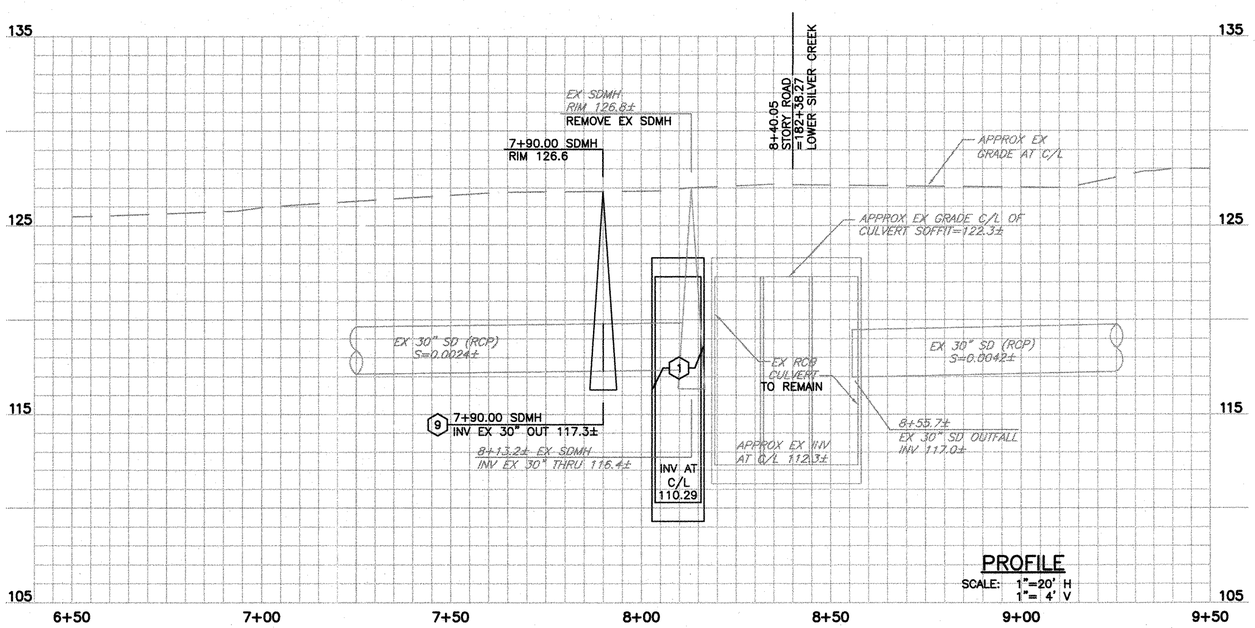


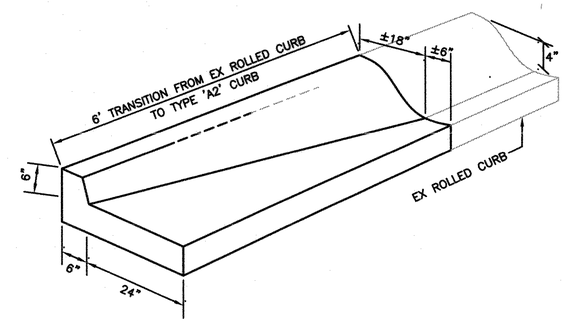


STORY ROAD NOTES:

1. SEE CIVIL SHEET 46 FOR STORY ROAD NORTH MAINTENANCE ROAD RAMP IMPROVEMENTS.
2. SEE CIVIL SHEET 47 FOR STORY ROAD SOUTH MAINTENANCE ROAD RAMP IMPROVEMENTS.
4. SEE CIVIL SHEETS 49 TO 51 FOR STORY ROAD TRAFFIC CONTROL PLAN.

CONSTRUCTION NOTES:

1. CONSTRUCT ±108 LF OF 12'x12' RCB CULVERT PER STRUCTURAL DWGS. SEE SHEETS S26 – S38. REMOVE AND REPLACE EX PAVEMENT AS NECESSARY.
2. REMOVE EX CURB, GUTTER, SWK, & DWY. CONSTRUCT TYPE 'A2' CURB PER CSJ STD DWG R-1. MATCH EX CURB & SWK GRADES.
3. CONFORM TO EX PAVEMENT. SEE DETAIL 3/61
4. CONSTRUCT 16' WIDE DWY PER CSJ STD DWG R-6.
5. CONSTRUCT 18' WIDE DWY PER CSJ STD DWG R-6.
6. CONSTRUCT SWK AT 2% MINIMUM CROSS SLOPE PER CSJ STD DWG R-2. CONFORM TO EX SWK AT ENDS.
7. CONSTRUCT ±6' TRANSITION FROM ROLLED CURB TO TYPE 'A2' CURB. SEE DETAIL 1/48
8. CUT EX 30" RCP SD AND INSTALL MANHOLE WITH 56" WIDE BASE PER CSJ STD DWGS D-10 & D-12. REMOVE EX MANHOLE AND ±24 LF 30" SD.
9. CAUTION! EX 12" WATER LINE TO BE RELOCATED BY OTHERS. CONTRACTOR SHALL COORDINATE WITH SAN JOSE WATER COMPANY.
10. CAUTION! EX HIGH PRESSURE GAS LINE TO REMAIN. PROTECT IN PLACE. CONTRACTOR SHALL COORDINATE WITH PG&E.
11. EX STREET LIGHT TO REMAIN. PROTECT IN PLACE.
12. CAUTION! EX UNDERGROUND ELECTRIC AND COMMUNICATION UTILITIES TO REMAIN. PG&E WILL INSTALL TEMPORARY POLES TO PROVIDE TEMPORARY OVERHEAD CROSSING OF UTILITIES DURING RCB CULVERT CONSTRUCTION. CONTRACTOR SHALL COORDINATE CONSTRUCTION OPERATIONS WITH PG&E AND AT&T.



DETAIL 1/48 CURB TRANSITION
NTS

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

RJA
RUGGERI-JENSEN-AZAR
ENGINEERS • PLANNERS • SURVEYORS
8005 CAMINO ARROYO GILROY, CA 95020
PHONE: (408) 848-3300 FAX: (408) 848-3302

DATE	ENGINEERING CERTIFICATION
05-18-10	
DESIGN JS/CW	
DRAWN LW	
CHECKED CP	5/18/10
	PROJECT ENGINEER DATE

Santa Clara Valley Water District

ACCEPTED BY DISTRICT
Dennis Cheong 6/1/10
DATE

PROJECT NAME AND SHEET DESCRIPTION:

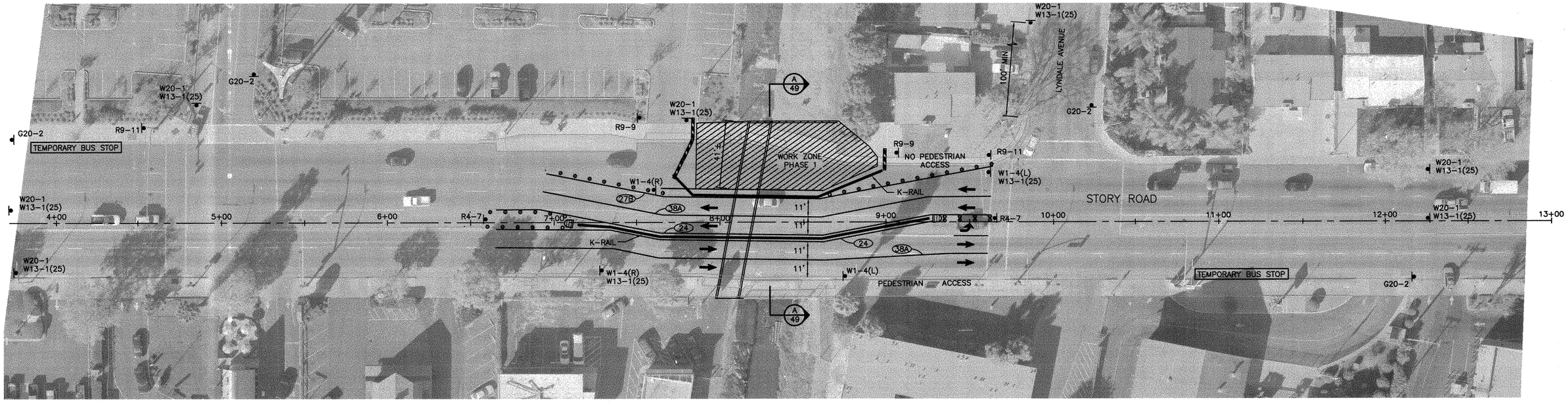
LOWER SILVER CREEK REACHES 4, 5 & 6A

UTILITY & SURFACE IMPROVEMENTS STORY ROAD OVERCROSSING

SCALE	PROJECT NUMBER
AS SHOWN	40264008
VERIFY SCALES 0 1" BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	SHEET CODE: C-35
	PAGE NUMBER: 48 OF 188

DOCUMENT NUMBER: CAD_XX-X-XXXX-XXXXX 40264 - 43037

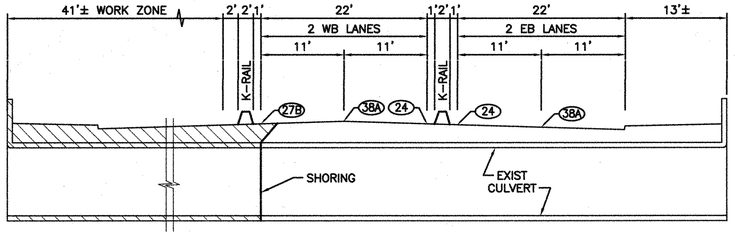
USERNAME: LWinter Fri 21 May 2010 03:56pm
FILENAME: W:\Jobs 09\092051\Drawings\Final\Plans\48 C-35 STORY RD OVER



STORY ROAD PHASE 1

SCALE: 1"=30'

NOTE: DIMENSIONS ARE PERPENDICULAR TO STORY ROAD TRAFFIC



SECTION A/- PHASE I WORK ZONE

NTS

LEGEND

- DIRECTION OF TRAFFIC
- TEMPORARY STRIPING
- CHANNELIZER (10' O.C. UNLESS OTHERWISE NOTED)
- K-RAIL
- TYPE III BARRICADE
- TEMPORARY SIGN
- WORK ZONE
- 27B STRIPING DETAIL NUMBER (PER MUTCD)
- CRASH CUSHION

GENERAL TRAFFIC CONTROL NOTES

1. ALL TRAFFIC CONTROL DEVICES, SIGNS, AND METHODS SHALL ADHERE TO SECTION 6 OF THE LATEST VERSION OF THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
2. THE TRAFFIC CONTROL SHOWN ON THIS PLAN IS THE MINIMUM NECESSARY FOR THE PHASE OF WORK DESCRIBED HEREIN. THE CONTRACTOR SHALL SUBMIT PROPOSED WORK SCHEDULE AND TRAFFIC CONTROL AND PHASING PLANS TO THE CITY OF SAN JOSE FOR REVIEW AND APPROVAL PRIOR TO BEGINNING CONSTRUCTION.
3. NO WORK THAT INTERFERES WITH PUBLIC TRAFFIC SHALL BE PERFORMED BEFORE 8:30AM NOR AFTER 3:30PM.
4. SEE SHEET 48 FOR STORY ROAD ULTIMATE UTILITY AND SURFACE IMPROVEMENTS.
5. CONTRACTOR SHALL COORDINATE TEMPORARY BUS STOP RELOCATION WITH SANTA CLARA VALLEY TRANSPORTATION AUTHORITY (VTA) PRIOR TO BEGINNING CONSTRUCTION.
6. CONTRACTOR SHALL COORDINATE TRAFFIC SIGNAL AND DETECTOR CHANGES WITH THE CITY OF SAN JOSE AND CALTRANS.

PHASE 1 DESCRIPTION OF WORK

DEMOLITION:
1. REMOVE 90± LF CURB, GUTTER & SIDEWALK ON NORTH SIDE OF STORY ROAD.
2. REMOVE PAVEMENT NECESSARY TO INSTALL RCB CULVERT.

CONSTRUCTION:
1. INSTALL 40± LF NEW RCB CULVERT.
2. INSTALL 90± LF NEW CURB, GUTTER, SIDEWALK & DRIVEWAY ON NORTH SIDE OF STORY ROAD.
3. REPLACE PAVEMENT & STRIPING OVER NEW RCB CULVERT.

SIGN CODE (PER MUTCD)

R3-5	RIGHT TURN ONLY
R4-7	KEEP RIGHT
R9-9	SIDEWALK CLOSED
R9-11	SIDEWALK CLOSED AHEAD – CROSS HERE
W1-4	LANE SHIFT ARROW – LEFT (L) OR RIGHT (R)
W13-1	SPEED LIMIT (25 MPH)
W20-1	ROAD WORK AHEAD
G20-2	END ROAD WORK

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

RJA
RUGGERI-JENSEN-AZAR
ENGINEERS • PLANNERS • SURVEYORS
5620 CHABOT ARROYO GILROY, CA 95020
PHONE: (408) 848-5300 FAX: (408) 848-5302

DATE	
05-18-10	
DESIGN	JS/CW
DRAWN	LW
CHECKED	CP

ENGINEERING CERTIFICATION
REGISTERED PROFESSIONAL ENGINEER
CHRISTIANO JENSEN
No. 61214
Exp. 3-31-12
CIVIL
STATE OF CALIFORNIA
5/18/10
PROJECT ENGINEER DATE

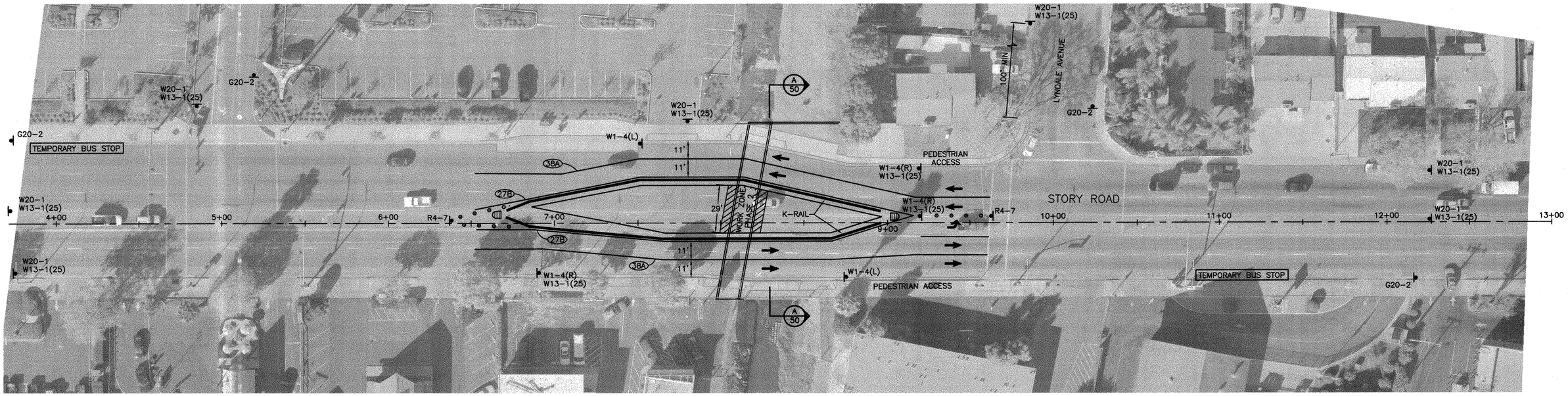
Santa Clara Valley Water District
ACCEPTED BY DISTRICT
Dennis Cheung 6/1/10
DATE

PROJECT NAME AND SHEET DESCRIPTION:
LOWER SILVER CREEK REACHES 4, 5 & 6A
TRAFFIC CONTROL PLAN STORY ROAD OVERCROSSING PHASE 1

SCALE: AS SHOWN
VERIFY SCALES 0 1"
BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

PROJECT NUMBER: 40264008
SHEET CODE: C-36
PAGE NUMBER: 49 OF 188

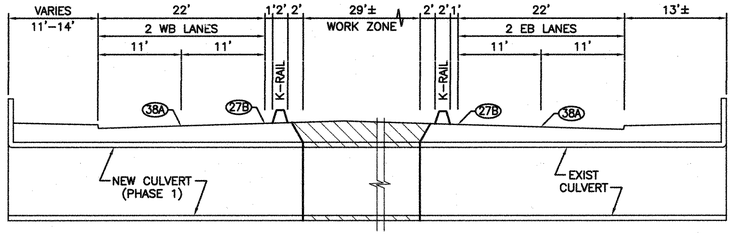
DOCUMENT NUMBER: CAD_XX-X-XXXX-XXXXX 40264-43038
USERNAME: LWinter Wed 19 May 2010 02:40pm
FILENAME: W:\Jobs 09\092051\Drawings\Final\Plans\49 C-36 TRAFCTL STORY-1



STORY ROAD PHASE 2

SCALE: 1"=30'

NOTE: DIMENSIONS ARE PERPENDICULAR TO STORY ROAD TRAFFIC



SECTION A PHASE 2 WORK ZONE

NTS

LEGEND

- DIRECTION OF TRAFFIC
- TEMPORARY STRIPING
- CHANNELIZER (10' O.C. UNLESS OTHERWISE NOTED)
- K-RAIL
- TYPE III BARRICADE
- TEMPORARY SIGN
- WORK ZONE
- 27B STRIPING DETAIL NUMBER (PER MUTCD)
- CRASH CUSHION

GENERAL TRAFFIC CONTROL NOTES

1. ALL TRAFFIC CONTROL DEVICES, SIGNS, AND METHODS SHALL ADHERE TO SECTION 6 OF THE LATEST VERSION OF THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
2. THE TRAFFIC CONTROL SHOWN ON THIS PLAN IS THE MINIMUM NECESSARY FOR THE PHASE OF WORK DESCRIBED HEREIN. THE CONTRACTOR SHALL SUBMIT PROPOSED WORK SCHEDULE AND TRAFFIC CONTROL AND PHASING PLANS TO THE CITY OF SAN JOSE FOR REVIEW AND APPROVAL PRIOR TO BEGINNING CONSTRUCTION.
3. NO WORK THAT INTERFERES WITH PUBLIC TRAFFIC SHALL BE PERFORMED BEFORE 8:30AM NOR AFTER 3:30PM.
4. SEE SHEET 48 FOR STORY ROAD ULTIMATE UTILITY AND SURFACE IMPROVEMENTS.
5. CONTRACTOR SHALL COORDINATE TEMPORARY BUS STOP RELOCATION WITH SANTA CLARA VALLEY TRANSPORTATION AUTHORITY (VTA) PRIOR TO BEGINNING CONSTRUCTION.
6. CONTRACTOR SHALL COORDINATE TRAFFIC SIGNAL AND DETECTOR CHANGES WITH THE CITY OF SAN JOSE AND CALTRANS.

PHASE 2 DESCRIPTION OF WORK

DEMOLITION:
1. REMOVE 90± LF CURB, GUTTER & SIDEWALK ON NORTH SIDE OF STORY ROAD.
2. REMOVE PAVEMENT NECESSARY TO INSTALL RCB CULVERT.

CONSTRUCTION:
1. INSTALL 40± LF NEW RCB CULVERT.
2. INSTALL 90± LF NEW CURB, GUTTER, SIDEWALK & DRIVEWAY ON NORTH SIDE OF STORY ROAD.
3. REPLACE PAVEMENT & STRIPING OVER NEW RCB CULVERT.

SIGN CODE (PER MUTCD)

R3-5	RIGHT TURN ONLY
R4-7	KEEP RIGHT
R9-9	SIDEWALK CLOSED
R9-11	SIDEWALK CLOSED AHEAD – CROSS HERE
W1-4	LANE SHIFT ARROW – LEFT (L) OR RIGHT (R)
W13-1	SPEED LIMIT (25 MPH)
W20-1	ROAD WORK AHEAD
G20-2	END ROAD WORK

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

RJA RUGGERI-JENSEN-AZAR
ENGINEERS • PLANNERS • SURVEYORS
8050 CAMINO ARROYO GILROY, CA 95020
PHONE: (408) 848-0200 FAX: (408) 848-0201

DATE	05-18-10
DESIGN	JS/CW
DRAWN	LW
CHECKED	CP

ENGINEERING CERTIFICATION
PROFESSIONAL ENGINEER CHARLES WAYNE PARKER C 37188 STATE OF CALIFORNIA
5-21-10
PROJECT ENGINEER 5/18/10 DATE

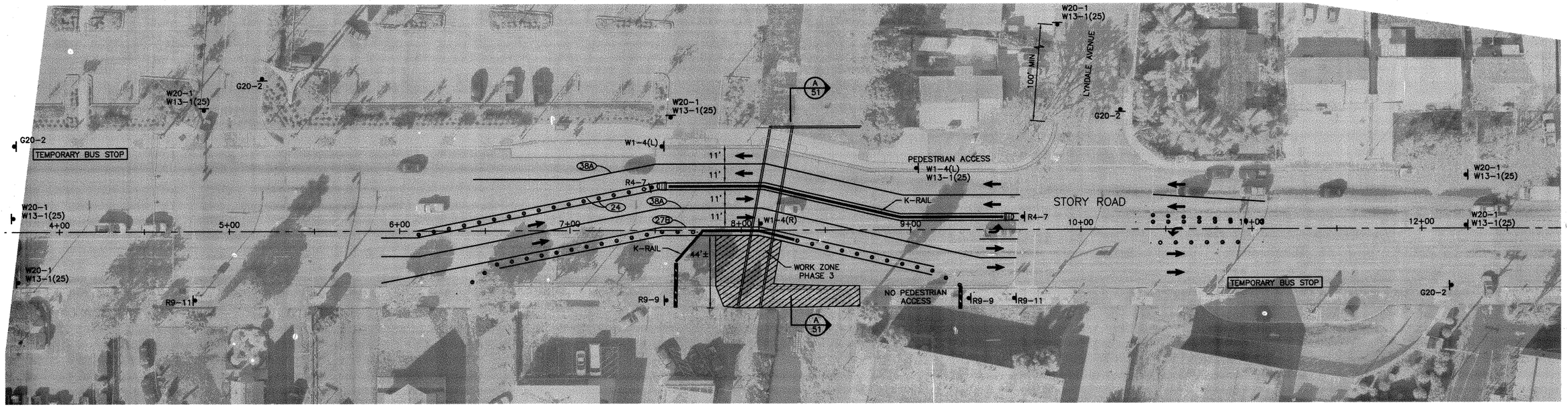
Santa Clara Valley Water District
ACCEPTED BY DISTRICT
Dennis Cheong 6/1/10
DATE

PROJECT NAME AND SHEET DESCRIPTION:
LOWER SILVER CREEK REACHES 4, 5 & 6A
TRAFFIC CONTROL PLAN STORY ROAD OVERCROSSING PHASE 2

SCALE	PROJECT NUMBER
AS SHOWN	40264008
VERIFY SCALES 0 1" BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	SHEET CODE: C-37
	PAGE NUMBER: 50 OF 188

DOCUMENT NUMBER: CAD_XX-X-XXXX-XXXXX 4026-Y3039

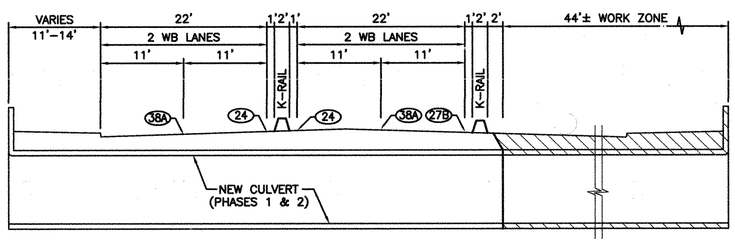
USERNAME: LWinter Wed 19 May 2010 02:43pm
FILENAME: W:\Jobs 09\092051\Drawings\Final\Plans\50 C-37 TRAFCTL STORY-2



STORY ROAD PHASE 3

SCALE: 1"=30'

NOTE: DIMENSIONS ARE PERPENDICULAR TO STORY ROAD TRAFFIC



SECTION A PHASE 3 WORK ZONE

NTS

LEGEND

- DIRECTION OF TRAFFIC
- TEMPORARY STRIPING
- CHANNELIZER (10' O.C. UNLESS OTHERWISE NOTED)
- K-RAIL
- TYPE III BARRICADE
- TEMPORARY SIGN
- WORK ZONE
- 27B STRIPING DETAIL NUMBER (PER MUTCD)
- CRASH CUSHION

GENERAL TRAFFIC CONTROL NOTES

1. ALL TRAFFIC CONTROL DEVICES, SIGNS, AND METHODS SHALL ADHERE TO SECTION 6 OF THE LATEST VERSION OF THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
2. THE TRAFFIC CONTROL SHOWN ON THIS PLAN IS THE MINIMUM NECESSARY FOR THE PHASE OF WORK DESCRIBED HEREIN. THE CONTRACTOR SHALL SUBMIT PROPOSED WORK SCHEDULE AND TRAFFIC CONTROL AND PHASING PLANS TO THE CITY OF SAN JOSE FOR REVIEW AND APPROVAL PRIOR TO BEGINNING CONSTRUCTION.
3. NO WORK THAT INTERFERES WITH PUBLIC TRAFFIC SHALL BE PERFORMED BEFORE 8:30AM NOR AFTER 3:30PM.
4. SEE SHEET 48 FOR STORY ROAD ULTIMATE UTILITY AND SURFACE IMPROVEMENTS.
5. CONTRACTOR SHALL COORDINATE TEMPORARY BUS STOP RELOCATION WITH SANTA CLARA VALLEY TRANSPORTATION AUTHORITY (VTA) PRIOR TO BEGINNING CONSTRUCTION.
6. CONTRACTOR SHALL COORDINATE TRAFFIC SIGNAL AND DETECTOR CHANGES WITH THE CITY OF SAN JOSE AND CALTRANS.

PHASE 3 DESCRIPTION OF WORK

DEMOLITION:
1. REMOVE 80± LF CURB, GUTTER & SIDEWALK ON SOUTH SIDE OF STORY ROAD.
2. REMOVE 22± LF EX 30" SD.
3. REMOVE PAVEMENT NECESSARY TO INSTALL NEW RCB CULVERT.

CONSTRUCTION:
1. INSTALL 41± LF NEW RCB CULVERT.
2. INSTALL NEW SD MANHOLE.
3. INSTALL 80± LF NEW CURB, GUTTER, SIDEWALK & DRIVEWAY ON SOUTH SIDE OF STORY ROAD.
4. REPLACE PAVEMENT & STRIPING OVER NEW RCB CULVERT.

SIGN CODE (PER MUTCD)

R3-5	RIGHT TURN ONLY
R4-7	KEEP RIGHT
R9-9	SIDEWALK CLOSED
R9-11	SIDEWALK CLOSED AHEAD – CROSS HERE
W1-4	LANE SHIFT ARROW – LEFT (L) OR RIGHT (R)
W13-1	SPEED LIMIT (25 MPH)
W20-1	ROAD WORK AHEAD
G20-2	END ROAD WORK

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

RJA RUGGERI-JENSEN-AZAR
ENGINEERS • PLANNERS • SURVEYORS
5005 CAMINO ARROYO GILROY, CA 95020
PHONE: (408) 848-3200 FAX: (408) 848-3202

DATE 05-18-10
DESIGN JS/CW
DRAWN LW
CHECKED CP

ENGINEERING CERTIFICATION
REGISTERED PROFESSIONAL ENGINEER ARMANDO JAVIER CHAVEZ No. 35317 CIVIL STATE OF CALIFORNIA
PROJECT ENGINEER 5/18/10 DATE

Santa Clara Valley Water District
ACCEPTED BY DISTRICT
Dennis Cheong 6/1/10
DATE

PROJECT NAME AND SHEET DESCRIPTION:

LOWER SILVER CREEK REACHES 4, 5 & 6A

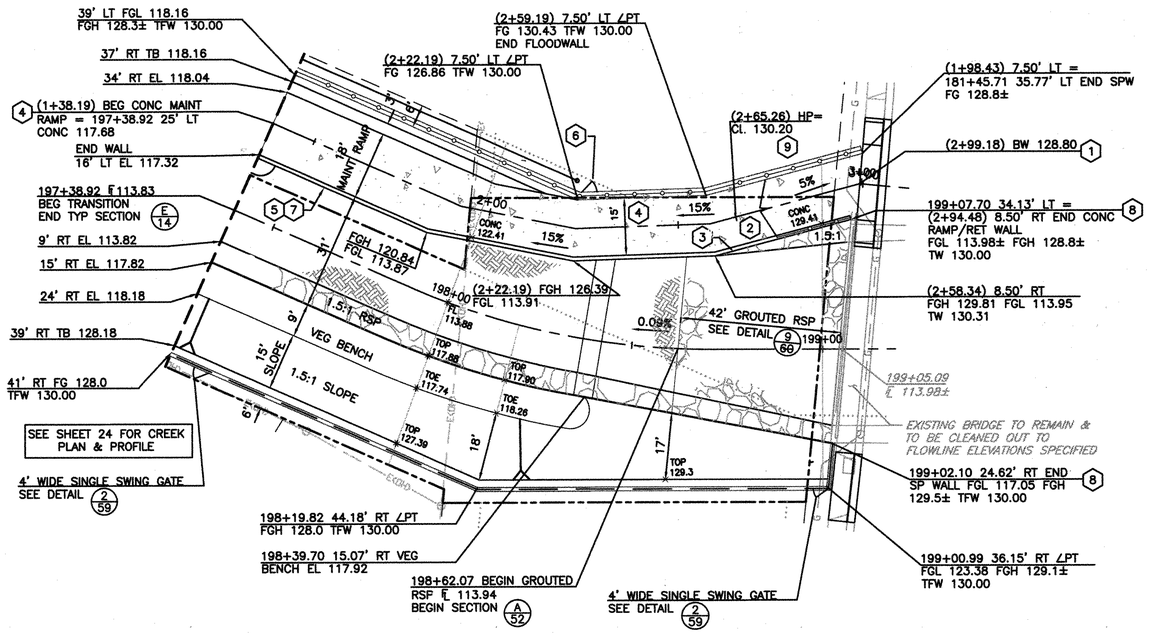
TRAFFIC CONTROL PLAN STORY ROAD OVERCROSSING PHASE 3

SCALE: AS SHOWN
VERIFY SCALES 0 1"
BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

PROJECT NUMBER 40264008
SHEET CODE: C-38
PAGE NUMBER: 51 OF 188

DOCUMENT NUMBER: CAD_XX-X-XXXX-XXXXX 40264008

USERNAME: cwright Thu 27 May 2010 04:09pm
FILENAME: W:\Jobs 09\092051\Drawings\Final\Plans\51 C-38 TRAFCTL STORY-3



DETAIL 1/52 MURTHA DRIVE TRANSITION

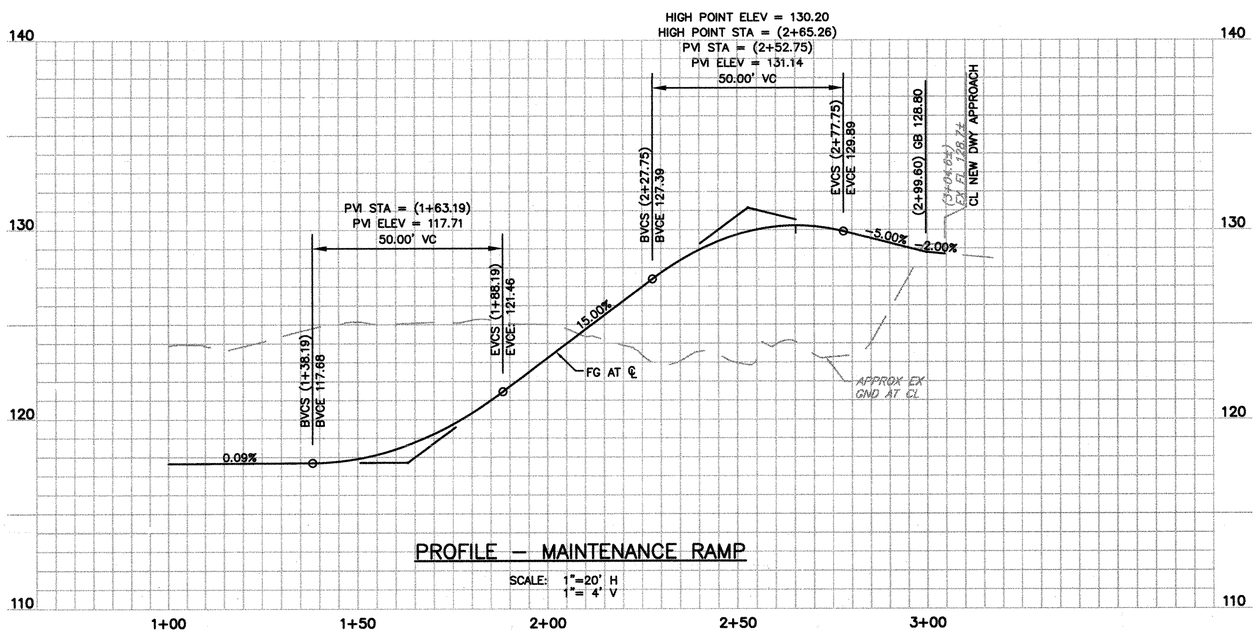
SCALE: 1"=20'

MURTHA DRIVE NOTES:

1. SEE CIVIL SHEET 55 FOR MURTHA DRIVE UTILITY & SURFACE IMPROVEMENTS.
2. SEE CIVIL SHEET 56 FOR MURTHA DRIVE TRAFFIC CONTROL PLAN.
3. SEE CIVIL SHEET 82 FOR CHANNEL CROSS SECTIONS AT 100 FOOT INTERVALS IN THE TRANSITION AREA.

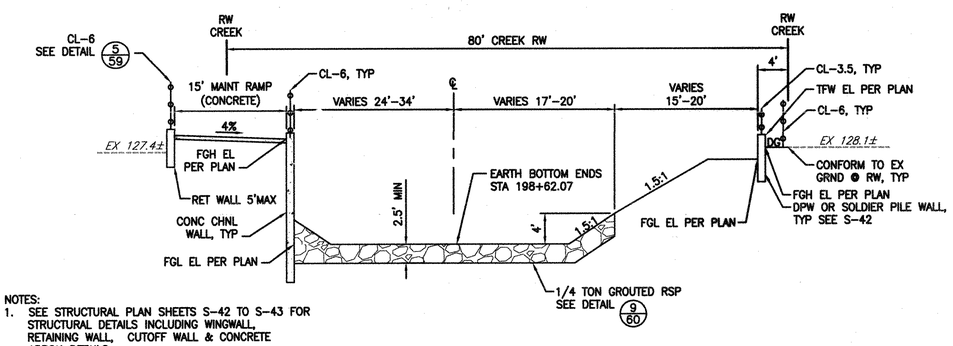
CONSTRUCTION NOTES:

1. CONSTRUCT NEW CURB AND GUTTER DRIVEWAY TRANSITION.
2. 14' WIDE DOUBLE SWING GATE, SEE DETAIL 1/59
3. CL-6 IN CONCRETE WALL, SEE DETAIL 5/59
4. CONSTRUCT CONCRETE MAINTENANCE RAMP, SEE PROFILE THIS SHEET AND DETAIL 5/61
5. 137 LF RETAINING WALL, SEE STRUCTURAL PLANS FOR RETAINING WALL PROFILE.
6. STA (2+22.2±) 4' WIDE SINGLE SWING GATE, SEE DETAIL 2/59
7. SEE STRUCTURAL PLAN SHEETS S-42 TO S-43 FOR ALL RETAINING WALL, FLOODWALL, WINGWALL & CONCRETE APRON DETAILS INCLUDING TOP OF WALL ELEVATIONS.
8. CONNECT CL-6 TO CONCRETE BARRIER/HEADWALL, SEE STRUCTURAL PLAN SHEET S-18.
9. RESTORE AND REPLACE EXISTING PRIVATE LANDSCAPE AND IRRIGATION IMPROVEMENTS DAMAGED DURING RAMP AND DRIVEWAY CONSTRUCTION.



PROFILE – MAINTENANCE RAMP

SCALE: 1"=20' H
1"= 4' V



NOTES:

1. SEE STRUCTURAL PLAN SHEETS S-42 TO S-43 FOR STRUCTURAL DETAILS INCLUDING WINGWALL, RETAINING WALL, CUTOFF WALL & CONCRETE APRON DETAILS.
2. FGH (FINISH GRADE HIGH) AND FGL (FINISH GRADE LOW) ELEVATIONS ARE PROVIDED AT RETAINING WALL LOCATIONS. SEE STRUCTURAL PLANS FOR ALL WALL DESIGN.

SECTION A/52 GROUTED RSP

SCALE: 1"=10'

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

RJA RUGGERI-JENSEN-AZAR
ENGINEERS • PLANNERS • SURVEYORS
5353 CHABOT JERNOTC GILROY, CA 95020
PHONE: (408) 848-5300 FAX: (408) 848-5302

DATE	DESIGN	DRAWN	CHECKED
05-18-10	JS/CW	LW	CP

ENGINEERING CERTIFICATION
REGISTERED PROFESSIONAL ENGINEER
JERNOTC JAN 12
STATE OF CALIFORNIA
5/18/10
PROJECT ENGINEER DATE

Santa Clara Valley Water District
ACCEPTED BY DISTRICT
Dennis Cheong 6/1/10
DATE

PROJECT NAME AND SHEET DESCRIPTION:

LOWER SILVER CREEK REACHES 4, 5 & 6A

NORTH CHANNEL DETAIL AT MURTHA DRIVE OVERCROSSING

SCALE	PROJECT NUMBER
AS SHOWN	40264008
VERIFY SCALES 0 1" BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	SHEET CODE: C-39
	PAGE NUMBER: 52 OF 188

DOCUMENT NUMBER: CAD_XX-X-XXXX-XXXXX

40264-43041

USERNAME: cwright Thu 27 May 2010 04:10pm
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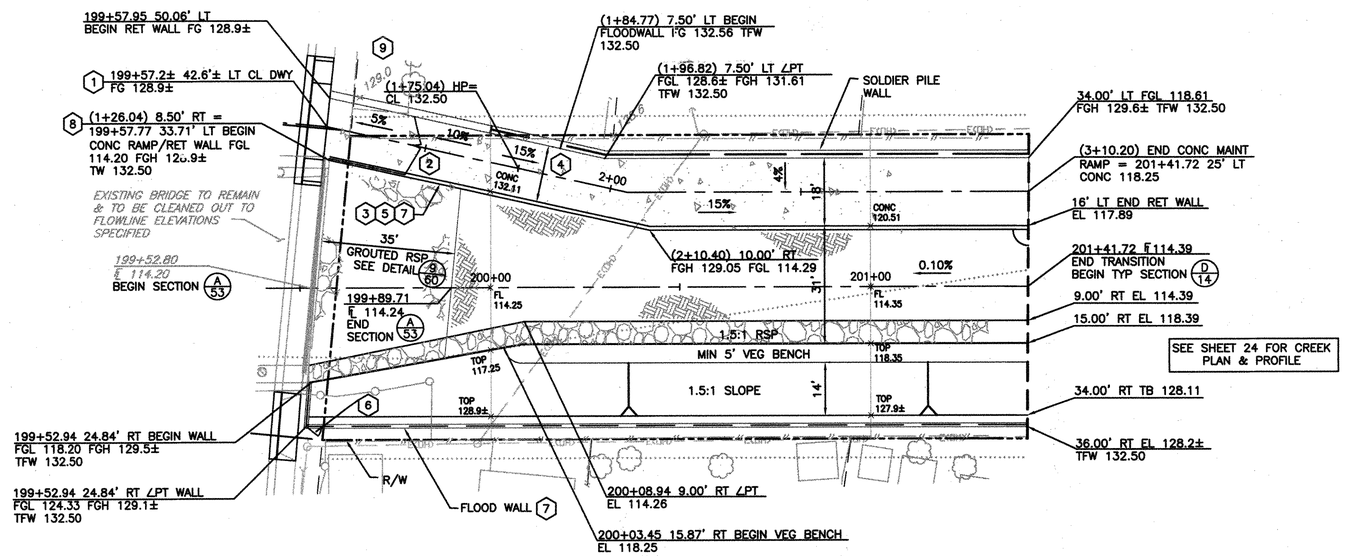


DETAIL 1/53 MURTHA DRIVE TRANSITION

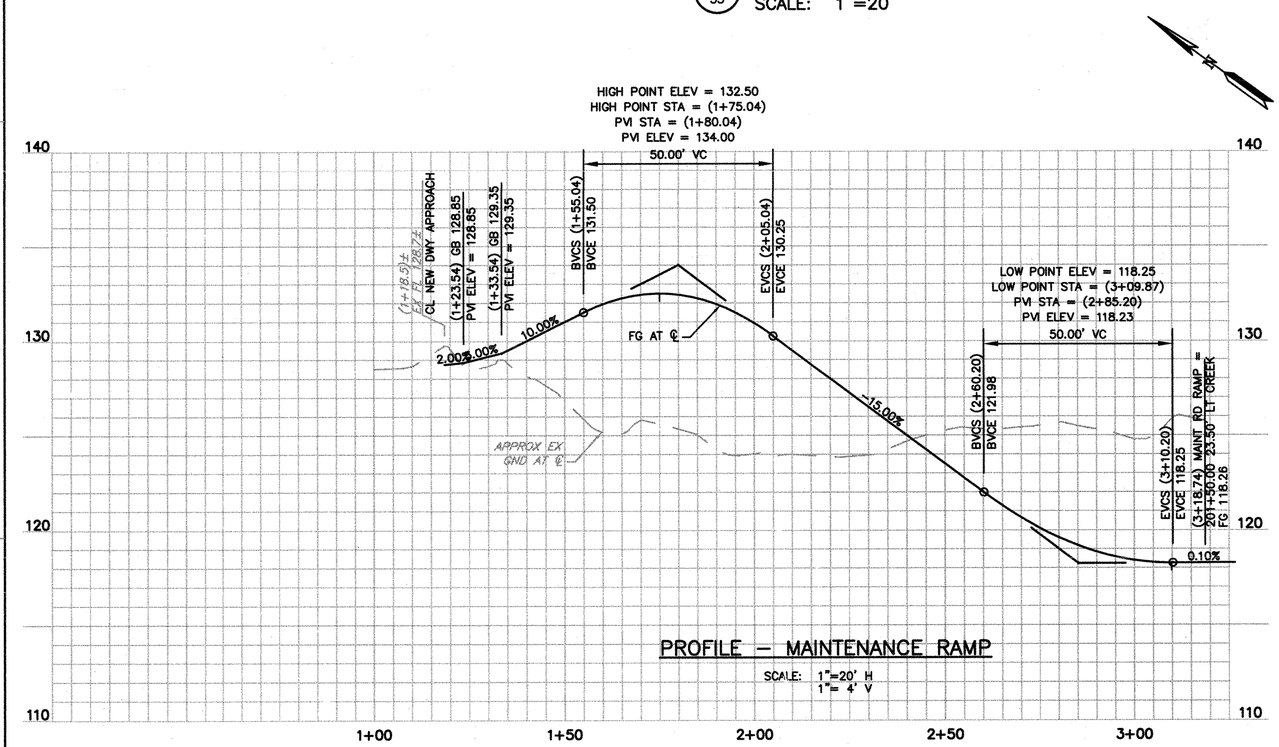
SCALE: 1"=20'

MURTHA DRIVE NOTES:

1. SEE CIVIL SHEET 55 FOR MURTHA DRIVE UTILITY & SURFACE IMPROVEMENTS.
2. SEE CIVIL SHEET 56 FOR MURTHA DRIVE TRAFFIC CONTROL PLAN.
3. SEE CIVIL SHEET 82 FOR CHANNEL CROSS SECTIONS AT 100 FOOT INTERVALS IN THE TRANSITION AREA.

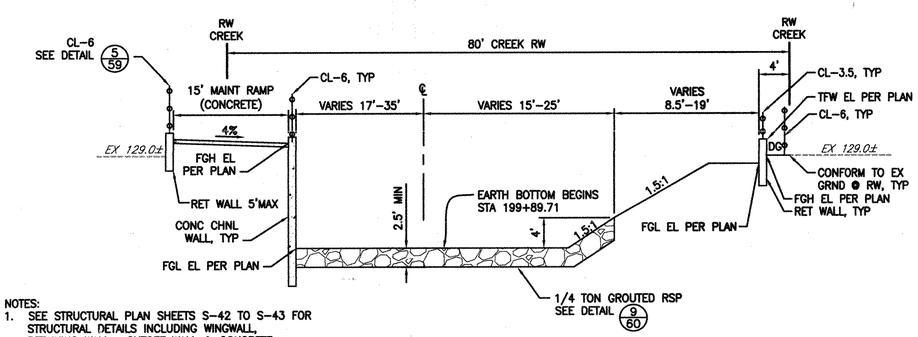
CONSTRUCTION NOTES:

1. CONSTRUCT NEW CURB AND GUTTER DRIVEWAY TRANSITION.
2. 14' WIDE DOUBLE SWING GATE, SEE DETAIL 1/59
3. CL-6 IN CONCRETE WALL, SEE DETAIL 5/59
4. CONCRETE MAINTENANCE RAMP, SEE PROFILE AND DETAIL 5/61
5. 186 LF RETAINING WALL, SEE STRUCTURAL PLANS FOR RETAINING WALL PROFILE.
6. STA 199+53.9±, 4' WIDE SINGLE SWING GATE, SEE DETAIL 2/59
7. SEE STRUCTURAL PLAN SHEETS S-42 TO S-43 FOR ALL RETAINING WALL, FLOODWALL, WINGWALL & CONCRETE APRON DETAILS INCLUDING TOP OF WALL ELEVATIONS.
8. CONNECT CL-6 TO CONCRETE BARRIER/HEADWALL, SEE STRUCTURAL PLAN SHEET S-18.
9. RESTORE AND REPLACE EXISTING PRIVATE LANDSCAPE AND IRRIGATION IMPROVEMENTS DAMAGED DURING RAMP AND DRIVEWAY CONSTRUCTION.



PROFILE – MAINTENANCE RAMP

SCALE: 1"=20' H
1"= 4' V



NOTES:

1. SEE STRUCTURAL PLAN SHEETS S-42 TO S-43 FOR STRUCTURAL DETAILS INCLUDING WINGWALL, RETAINING WALL, CUTOFF WALL & CONCRETE APRON DETAILS.
2. FGH (FINISH GRADE HIGH) AND FGL (FINISH GRADE LOW) ELEVATIONS ARE PROVIDED AT RETAINING WALL LOCATIONS. SEE STRUCTURAL PLANS FOR ALL WALL DESIGN.

SECTION A/53 GROUTED RSP

SCALE: 1"=10'

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

RJA
RUGGERI-JENSEN-AZAR
ENGINEERS • PLANNERS • SURVEYORS
5620 SNEIDER DUBLIN, CA 94568
PHONE (925) 828-0200 FAX (925) 828-0302

DATE
05-18-10
DESIGN
JS/CW
DRAWN
LW
CHECKED
CP

ENGINEERING CERTIFICATION

REGISTERED PROFESSIONAL ENGINEER ARMITA JAMEH-AZAR 3-31-11 CIVIL STATE OF CALIFORNIA

5/18/10

PROJECT ENGINEER DATE

Santa Clara Valley Water District

ACCEPTED BY DISTRICT

Dennis Chong 6/11/10

DATE

PROJECT NAME AND SHEET DESCRIPTION:

LOWER SILVER CREEK REACHES 4, 5 & 6A

SOUTH CHANNEL DETAIL AT MURTHA DRIVE OVERCROSSING

SCALE	PROJECT NUMBER
AS SHOWN	40264008
VERIFY SCALES 0 1" BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	SHEET CODE: C-40
	PAGE NUMBER: 53 OF 188

DOCUMENT NUMBER: CAD_XX-X-XXXX-XXXXX

4026 - 93092

USERNAME: cwright Thu 27 May 2010 04:11pm
FILENAME: W:\Jobs 09\092051\Drawings\Final\Plans\53 C-40 MURTHA DETAIL SOUTH.dwg

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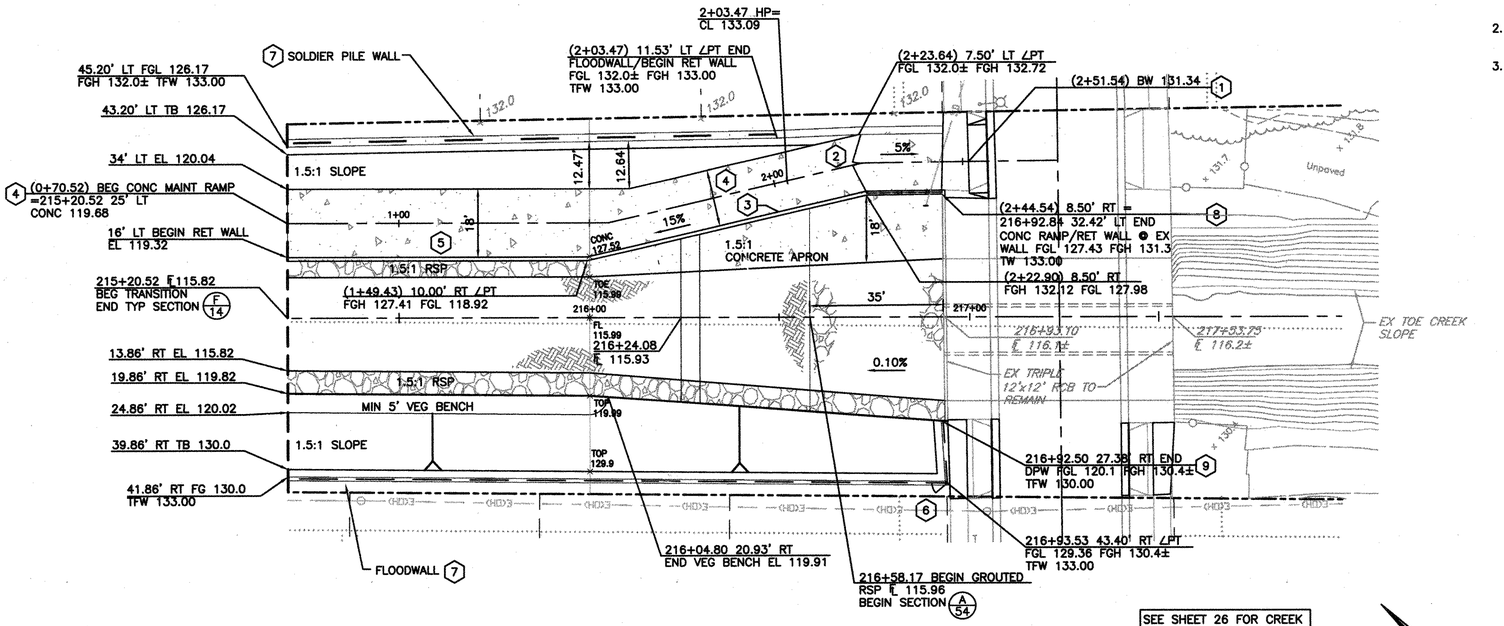


DETAIL 1/54 MOSS POINT DRIVE TRANSITION

SCALE: 1"=20'

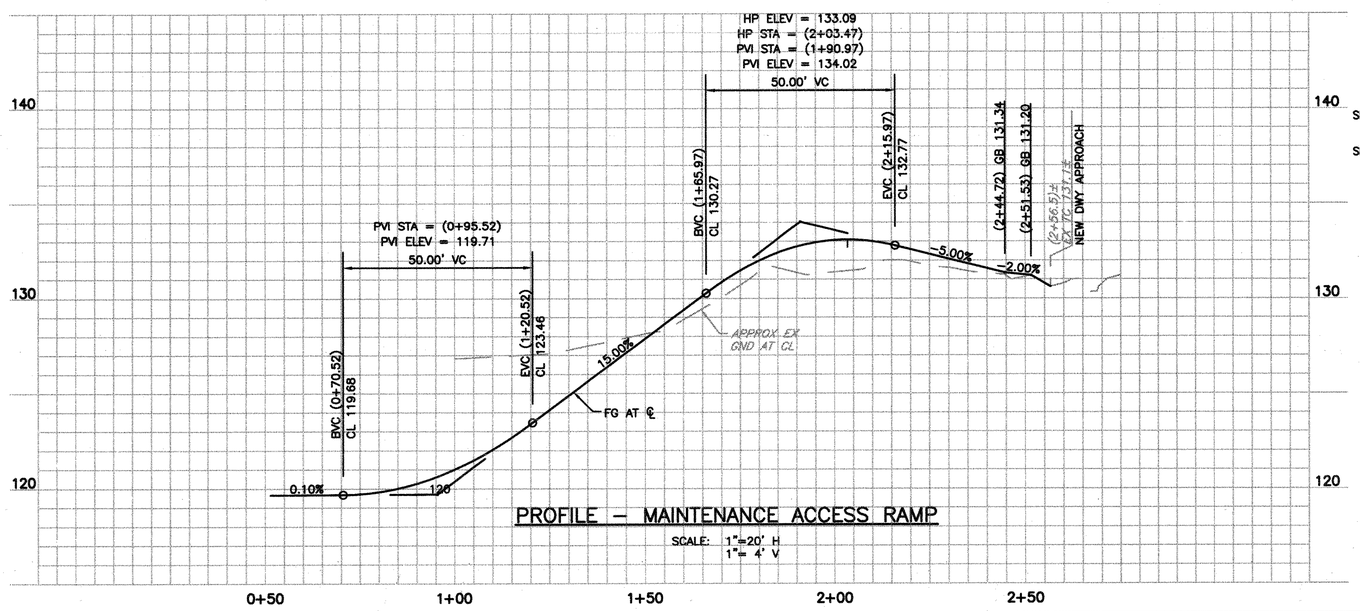
SEE SHEET 26 FOR CREEK PLAN & PROFILE

MOSS POINT NOTES:

1. SEE CIVIL SHEET 55 FOR MOSS POINT UTILITY & SURFACE IMPROVEMENTS.
2. SEE CIVIL SHEET 57 FOR MOSS POINT TRAFFIC CONTROL PLAN.
3. SEE CIVIL SHEET 84 FOR CHANNEL CROSS SECTIONS AT 100 FOOT INTERVALS IN THE TRANSITION AREA.

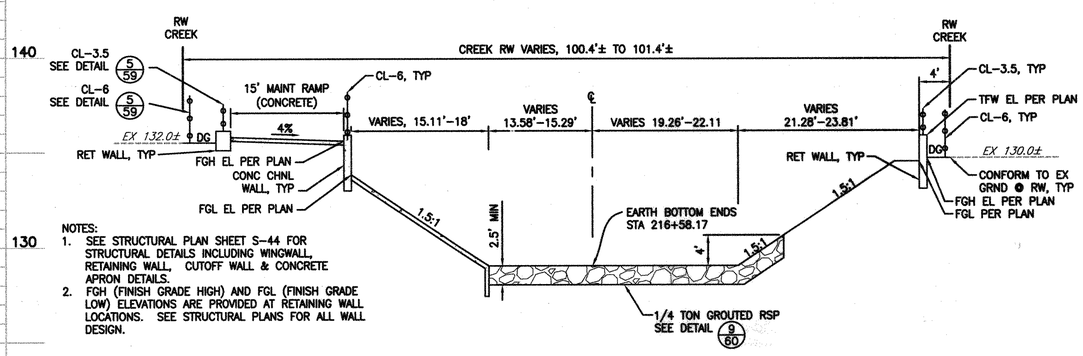
CONSTRUCTION NOTES:

1. CONSTRUCT NEW CURB AND GUTTER DRIVEWAY TRANSITION.
2. 14' WIDE DOUBLE SWING GATE, SEE DETAIL 1/59
3. CL-6 IN CONCRETE WALL, SEE DETAIL 5/59
4. CONCRETE MAINTENANCE RAMP, SEE PROFILE THIS SHEET AND DETAIL 5/61
5. 137 LF RETAINING WALL, SEE STRUCTURAL PLAN SHEET S-44 FOR RETAINING WALL PROFILE.
6. STA 216+93.5± 43.4' RT. 4' WIDE SINGLE SWING GATE, SEE DETAIL 2/59
7. SEE STRUCTURAL PLAN SHEET S-24 FOR ALL RETAINING WALL, FLOODWALL, WINGWALL & CONCRETE APRON DETAILS INCLUDING TOP OF WALL ELEVATIONS.
8. CONNECT CL-6 TO CONCRETE BARRIER, SEE STRUCTURAL PLAN SHEET S-18.



PROFILE – MAINTENANCE ACCESS RAMP

SCALE: 1"=20' H
1"= 4' V



NOTES:

1. SEE STRUCTURAL PLAN SHEET S-44 FOR STRUCTURAL DETAILS INCLUDING WINGWALL, RETAINING WALL, CUTOFF WALL & CONCRETE APRON DETAILS.
2. FGH (FINISH GRADE HIGH) AND FGL (FINISH GRADE LOW) ELEVATIONS ARE PROVIDED AT RETAINING WALL LOCATIONS. SEE STRUCTURAL PLANS FOR ALL WALL DESIGN.

SECTION A/54 GROUTED RSP

SCALE: 1"=10'

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

RJA RUGGERI-JENSEN-AZAR
ENGINEERS • PLANNERS • SURVEYORS
5620 CHABOT ARROYO GILROY, CA 95020
PHONE: (408) 848-3300 FAX: (408) 848-3302

DATE 05-18-10
DESIGN JS/CW
DRAWN LW
CHECKED CP

ENGINEERING CERTIFICATION
REGISTERED PROFESSIONAL ENGINEER ARMANDO J. VIL. No. C 31712 STATE OF CALIFORNIA
5/18/10
PROJECT ENGINEER DATE

Santa Clara Valley Water District
ACCEPTED BY DISTRICT
Dennis Chiang 6/1/10
DATE

PROJECT NAME AND SHEET DESCRIPTION:

LOWER SILVER CREEK REACHES 4, 5 & 6A

DETAIL SHEET AT MOSS POINT DRIVE OVERCROSSING

SCALE: AS SHOWN
VERIFY SCALES 0 1"
BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

PROJECT NUMBER: 40264008
SHEET CODE: C-41
PAGE NUMBER: 54 OF 188

DOCUMENT NUMBER: CAD_XX-X-XXXX-XXXXX 4026 - 43093

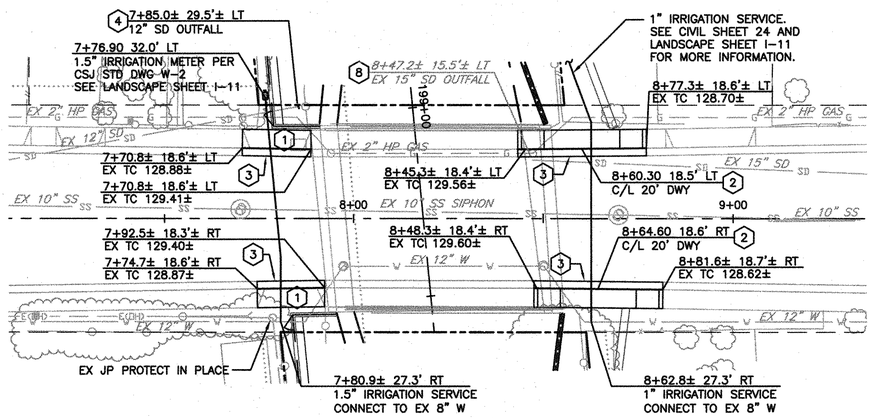
USERNAME: LWinter Thu 27 May 2010 05:31pm
FILENAME: W:\Jobs 09\092051\Drawings\Final\Plans\34 C-41 MOSS PT DETAIL SHEET

MURTHA DRIVE AND MOSS POINT DRIVE NOTES:

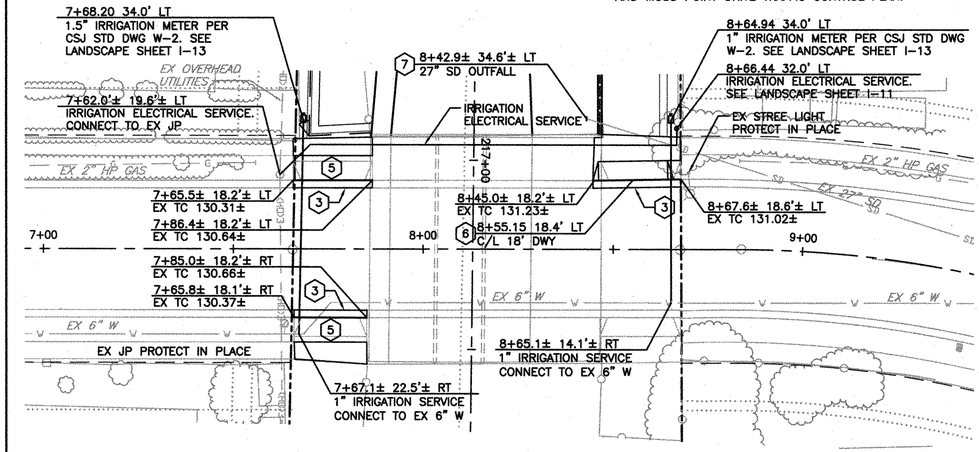
1. SEE CIVIL SHEET 52 FOR NORTH MURTHA DRIVE MAINTENANCE ROAD RAMP IMPROVEMENTS.
2. SEE CIVIL SHEET 53 FOR SOUTH MURTHA DRIVE MAINTENANCE ROAD RAMP IMPROVEMENTS.
3. SEE CIVIL SHEETS 54 NORTH MOSS POINT DRIVE MAINTENANCE ROAD RAMP IMPROVEMENTS.
4. SEE CIVIL SHEETS 56 AND 57 FOR MURTHA DRIVE AND MOSS POINT DRIVE TRAFFIC CONTROL PLAN.

CONSTRUCTION NOTES:

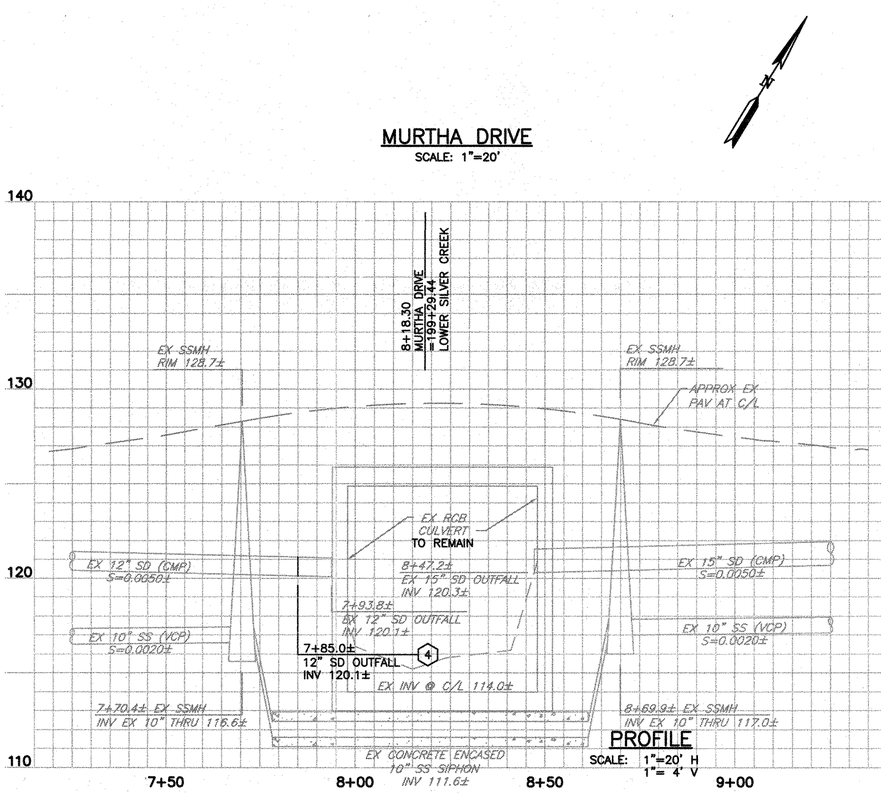
1. REMOVE EX DWY, CURB, GUTTER & SWK. INSTALL TYPE 'A2' CURB & GUTTER AND 4.5' MONOLITHIC SWK IN PLACE PER CSJ STD DWGS R-1 & R-2. MATCH EX CURB AND SWK GRADES.
2. REMOVE EX DWY, CURB, GUTTER & SWK. INSTALL NEW 20' WIDE DWY IN PLACE. MATCH EX CURB AND SWK GRADES. SEE DETAIL 1/55
3. CONFORM TO EX PAVEMENT. SEE DETAIL 3/61
4. MODIFY EXISTING 12" RCP SD OUTFALL & INSTALL FLAPGATE. SEE DETAIL 5/60
5. REMOVE EX DWY, CURB, GUTTER & SWK. INSTALL TYPE 'A2' CURB & GUTTER AND 4.5' SEPARATED SWK IN PLACE PER CSJ STD DWGS R-1 & R-2. MATCH EX CURB AND SWK GRADES.
6. REMOVE EX DWY, CURB, GUTTER & SWK. INSTALL NEW 18' WIDE DWY IN PLACE PER CSJ STD DWG R-7. MATCH EX CURB AND SWK GRADES.
7. MODIFY EXISTING 27" CMP SD OUTFALL& INSTALL FLAPGATE. SEE DETAIL 5/60
8. INSTALL FLAPGATE ON EX OUTFALL. FLAPGATE SHALL BE WATERMAN MODEL F-10, OR FRESNO MODEL 10C OR APPROVED EQUAL, WITH SAFETY BARS AND FASTENINGS.



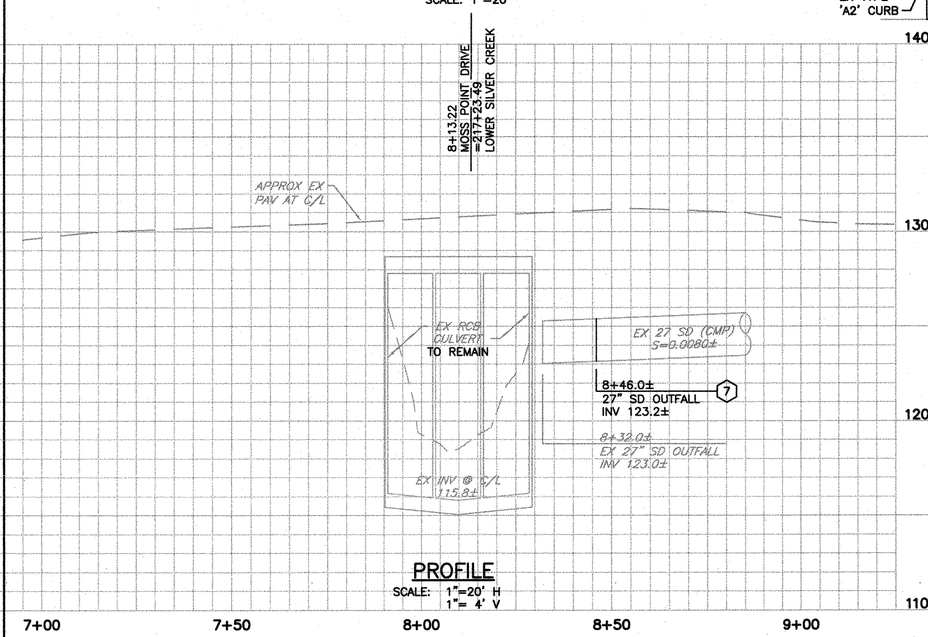
MURTHA DRIVE
SCALE: 1"=20'



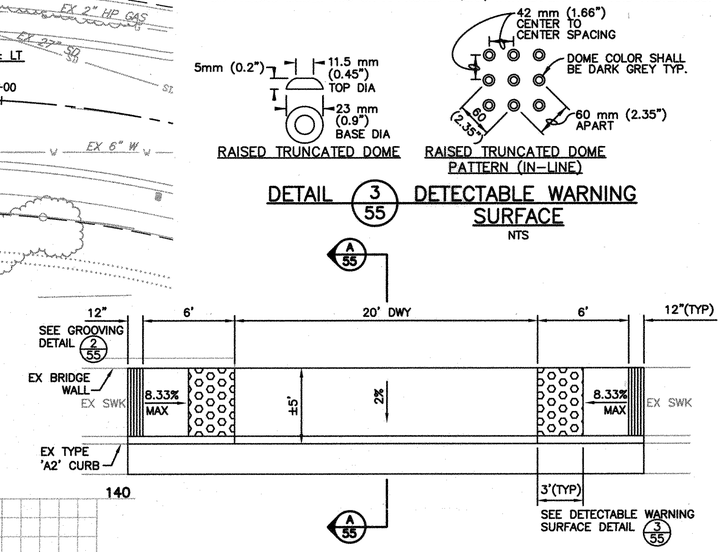
MOSS POINT DRIVE
SCALE: 1"=20'



PROFILE
SCALE: 1"=20' H
1"= 4' V

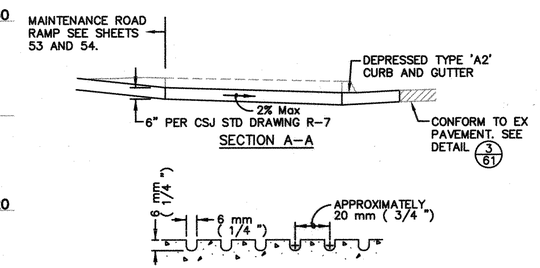


PROFILE
SCALE: 1"=20' H
1"= 4' V



DETAIL 1/55 MODIFIED DRIVEWAY
NTS

DETAIL 3/55 DETECTABLE WARNING SURFACE
NTS



DETAIL 2/55 GROOVING PATTERN
NTS

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

RJA RUGGERI-JENSEN-AZAR
ENGINEERS • PLANNERS • SURVEYORS
8055 CAMINO ARROYO GILROY, CA 95020
PHONE: (408) 848-3300 FAX: (408) 848-3302

DATE	ENGINEERING CERTIFICATION
05-18-10	
DESIGN JS/CW	
DRAWN LW	
CHECKED CP	5/18/10 PROJECT ENGINEER DATE

Santa Clara Valley Water District
ACCEPTED BY DISTRICT
Dennis Cheung 6/1/10
DATE

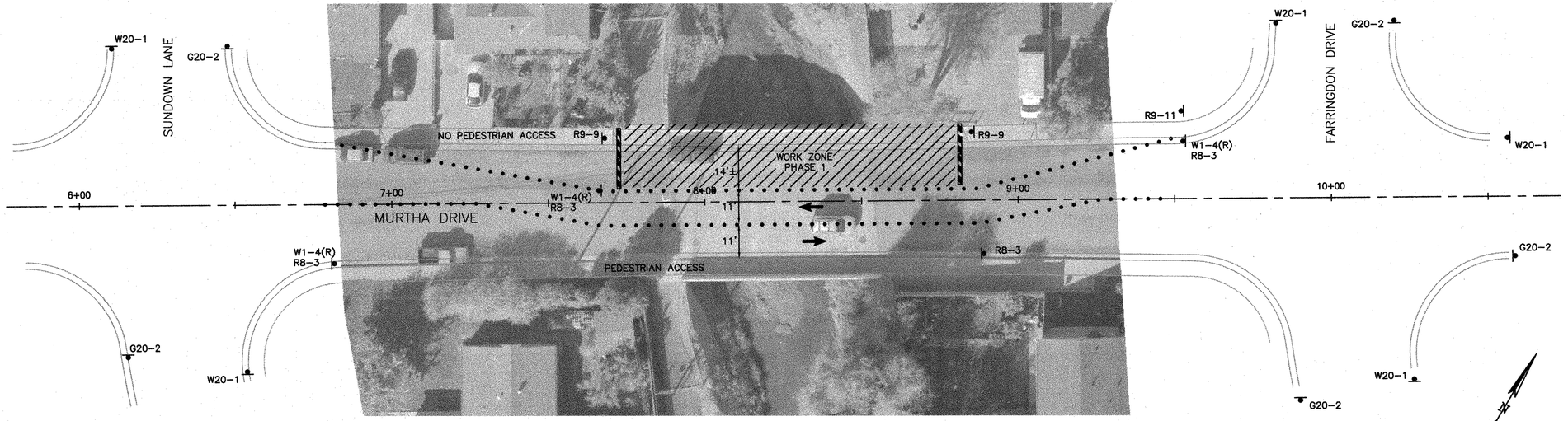
PROJECT NAME AND SHEET DESCRIPTION:

LOWER SILVER CREEK REACHES 4, 5 & 6A

UTILITY & SURFACE IMPROVEMENTS MURTHA DRIVE & MOSS POINT DRIVE

SCALE	PROJECT NUMBER
AS SHOWN	40264008
VERIFY SCALES 0 1" BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	SHEET CODE: C-42
	PAGE NUMBER: 55 OF 188

USERNAME: LWinter Fri 21 May 2010 04:00pm
FILENAME: W:\Jobs 09\092051\Drawings\Final\Plans\55 C-42 MURTHA + MOSS PT DRIVES
DOCUMENT NUMBER: CAD_XX-X-XXXX-XXXXX
40264008

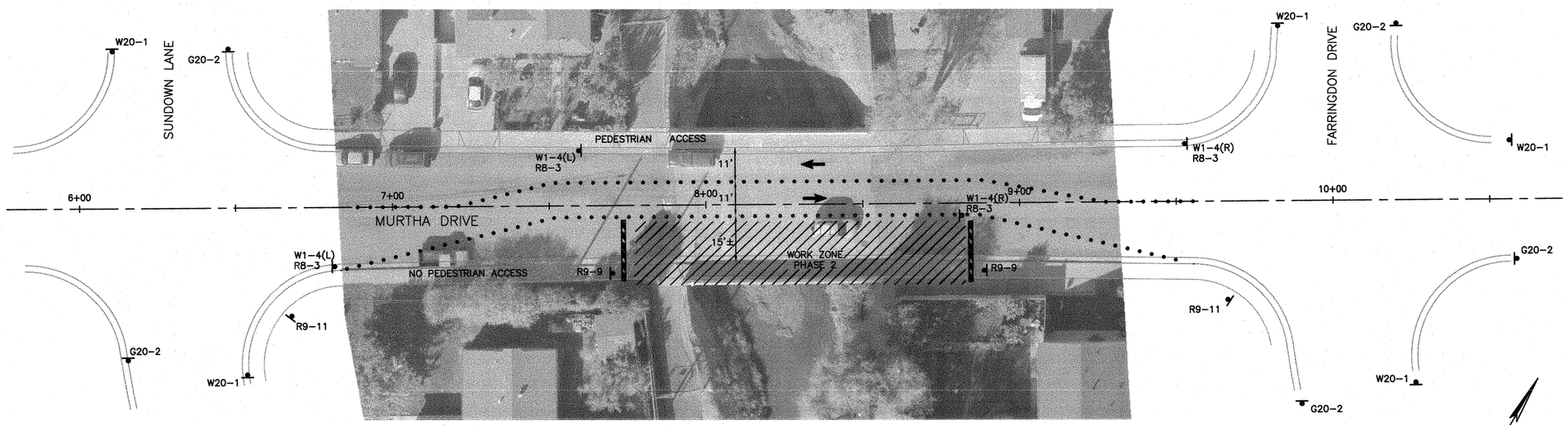


PHASE 1 DESCRIPTION OF WORK

1. REMOVE & REPLACE CURB, GUTTER, SIDEWALK & DRIVEWAY ON NORTH SIDE OF MURTHA DRIVE AS SHOWN ON SHEET 55.

MURTHA DRIVE PHASE 1

SCALE: 1"=20'



PHASE 2 DESCRIPTION OF WORK

1. REMOVE & REPLACE CURB, GUTTER, SIDEWALK & DRIVEWAY ON SOUTH SIDE OF MURTHA DRIVE AS SHOWN ON SHEET 55.

MURTHA DRIVE PHASE 2

SCALE: 1"=20'

LEGEND

- DIRECTION OF TRAFFIC
- CHANNELIZER (10' O.C. UNLESS OTHERWISE NOTED)
- TYPE III BARRICADE
- TEMPORARY SIGN
- WORK ZONE

SIGN CODE (PER MUTCD)

R8-3	NO PARKING (SYMBOL)
R9-9	SIDEWALK CLOSED
R9-11	SIDEWALK CLOSED AHEAD – CROSS HERE
W1-4	LANE SHIFT ARROW – LEFT (L) OR RIGHT (R)
W20-1	ROAD WORK AHEAD
G20-2	END ROAD WORK

GENERAL TRAFFIC CONTROL NOTES

1. ALL TRAFFIC CONTROL DEVICES, SIGNS, AND METHODS SHALL ADHERE TO SECTION 6 OF THE LATEST VERSION OF THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
2. THE TRAFFIC CONTROL SHOWN ON THIS PLAN IS THE MINIMUM NECESSARY FOR THE PHASE OF WORK DESCRIBED HEREIN. THE CONTRACTOR SHALL SUBMIT PROPOSED WORK SCHEDULE AND TRAFFIC CONTROL AND PHASING PLANS TO THE CITY OF SAN JOSE FOR REVIEW AND APPROVAL PRIOR TO BEGINNING CONSTRUCTION.
3. NO WORK THAT INTERFERES WITH PUBLIC TRAFFIC SHALL BE PERFORMED BEFORE 8:30AM NOR AFTER 3:30PM.
4. SEE SHEET 55 FOR MURTHA DRIVE ULTIMATE UTILITY AND SURFACE IMPROVEMENTS.
5. CONTRACTOR SHALL COORDINATE TRAFFIC SIGNAL AND DETECTOR CHANGES WITH THE CITY OF SAN JOSE AND CALTRANS.

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

RJA RUGGERI-JENSEN-AZAR ENGINEERS • PLANNERS • SURVEYORS
8055 CAMINO ARROYO GILROY, CA 95020
PHONE (408) 848-0200 FAX (408) 848-0302

DATE	05-18-10
DESIGN	JS/CW
DRAWN	LW
CHECKED	CP

ENGINEERING CERTIFICATION

PROJECT ENGINEER — DATE 5/18/10

Santa Clara Valley Water District

ACCEPTED BY DISTRICT

Dennis Cheung 6/1/10

DATE

PROJECT NAME AND SHEET DESCRIPTION:

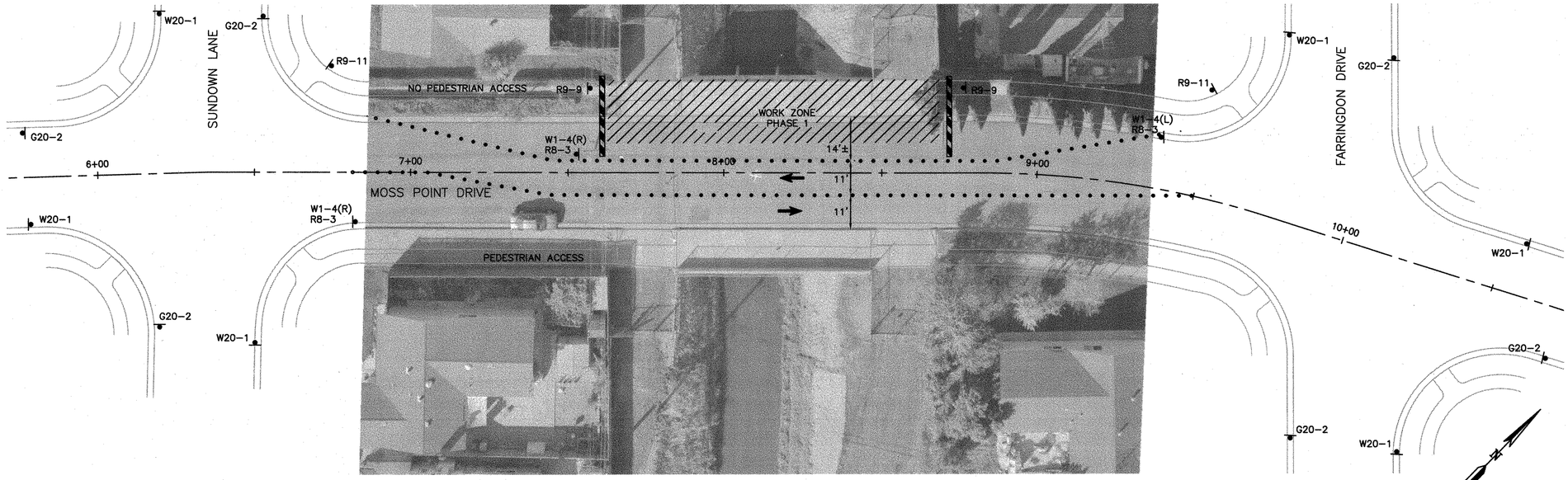
LOWER SILVER CREEK REACHES 4, 5 & 6A

TRAFFIC CONTROL PLAN MURTHA DRIVE PHASES 1 & 2

SCALE	PROJECT NUMBER
AS SHOWN	40264008
VERIFY SCALES 0 — 1" BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	SHEET CODE: C-43
	PAGE NUMBER: 56 OF 188

DOCUMENT NUMBER: CAD_XX-X-XXXX-XXXXX 40264-43095

USERNAME: LWinter Wed 19 May 2010 02:49pm
FILENAME: W:\Jobs 09\092051\Drawings\Final\Plans\56 C-43 TRAFCTL MURTHA



PHASE 1 DESCRIPTION OF WORK

1. REMOVE & REPLACE CURB, GUTTER, SIDEWALK & DRIVEWAY ON NORTH SIDE OF MOSS POINT DRIVE AS SHOWN ON SHEET 55.

MOSS POINT DRIVE PHASE 1

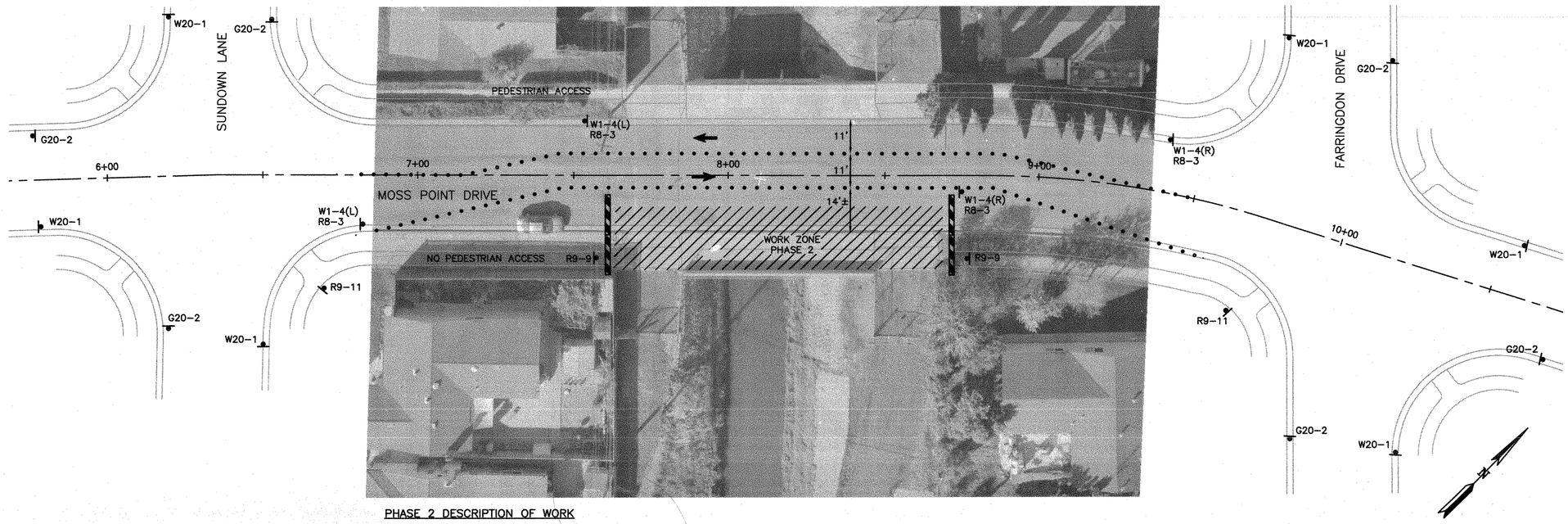
SCALE: 1"=20'

LEGEND

- DIRECTION OF TRAFFIC
- CHANNELIZER (10' O.C. UNLESS OTHERWISE NOTED)
- TYPE III BARRICADE
- TEMPORARY SIGN
- WORK ZONE

SIGN CODE (PER MUTCD)

R8-3	NO PARKING (SYMBOL)
R9-9	SIDEWALK CLOSED
R9-11	SIDEWALK CLOSED AHEAD – CROSS HERE
W1-4	LANE SHIFT ARROW – LEFT (L) OR RIGHT (R)
W20-1	ROAD WORK AHEAD
G20-2	END ROAD WORK



PHASE 2 DESCRIPTION OF WORK

1. REMOVE & REPLACE CURB, GUTTER, SIDEWALK & DRIVEWAY ON SOUTH SIDE OF MOSS POINT DRIVE AS SHOWN ON SHEET 55.

MOSS POINT DRIVE PHASE 2

SCALE: 1"=20'

GENERAL TRAFFIC CONTROL NOTES

1. ALL TRAFFIC CONTROL DEVICES, SIGNS, AND METHODS SHALL ADHERE TO SECTION 6 OF THE LATEST VERSION OF THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
2. THE TRAFFIC CONTROL SHOWN ON THIS PLAN IS THE MINIMUM NECESSARY FOR THE PHASE OF WORK DESCRIBED HEREIN. THE CONTRACTOR SHALL SUBMIT PROPOSED WORK SCHEDULE AND TRAFFIC CONTROL AND PHASING PLANS TO THE CITY OF SAN JOSE FOR REVIEW AND APPROVAL PRIOR TO BEGINNING CONSTRUCTION.
3. NO WORK THAT INTERFERES WITH PUBLIC TRAFFIC SHALL BE PERFORMED BEFORE 8:30AM NOR AFTER 3:30PM.
4. SEE SHEET 55 FOR MOSS POINT DRIVE ULTIMATE UTILITY AND SURFACE IMPROVEMENTS.
5. CONTRACTOR SHALL COORDINATE TRAFFIC SIGNAL AND DETECTOR CHANGES WITH THE CITY OF SAN JOSE AND CALTRANS.

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

RJA
RUGGERI-JENSEN-AZAR
ENGINEERS • PLANNERS • SURVEYORS
8055 CAMINO ARROYO GILROY, CA 95020
PHONE: (408) 848-5300 FAX: (408) 848-5302

DATE	05-18-10
DESIGN	JS/CW
DRAWN	LW
CHECKED	CP

ENGINEERING CERTIFICATION
REGISTERED PROFESSIONAL ENGINEER — CHRISTOPHER A. PETERSON — No. C 51212 — STATE OF CALIFORNIA
5/18/10
PROJECT ENGINEER DATE

Santa Clara Valley Water District
ACCEPTED BY DISTRICT
Dennis Cheong 6/1/10
DATE

PROJECT NAME AND SHEET DESCRIPTION:

LOWER SILVER CREEK REACHES 4, 5 & 6A

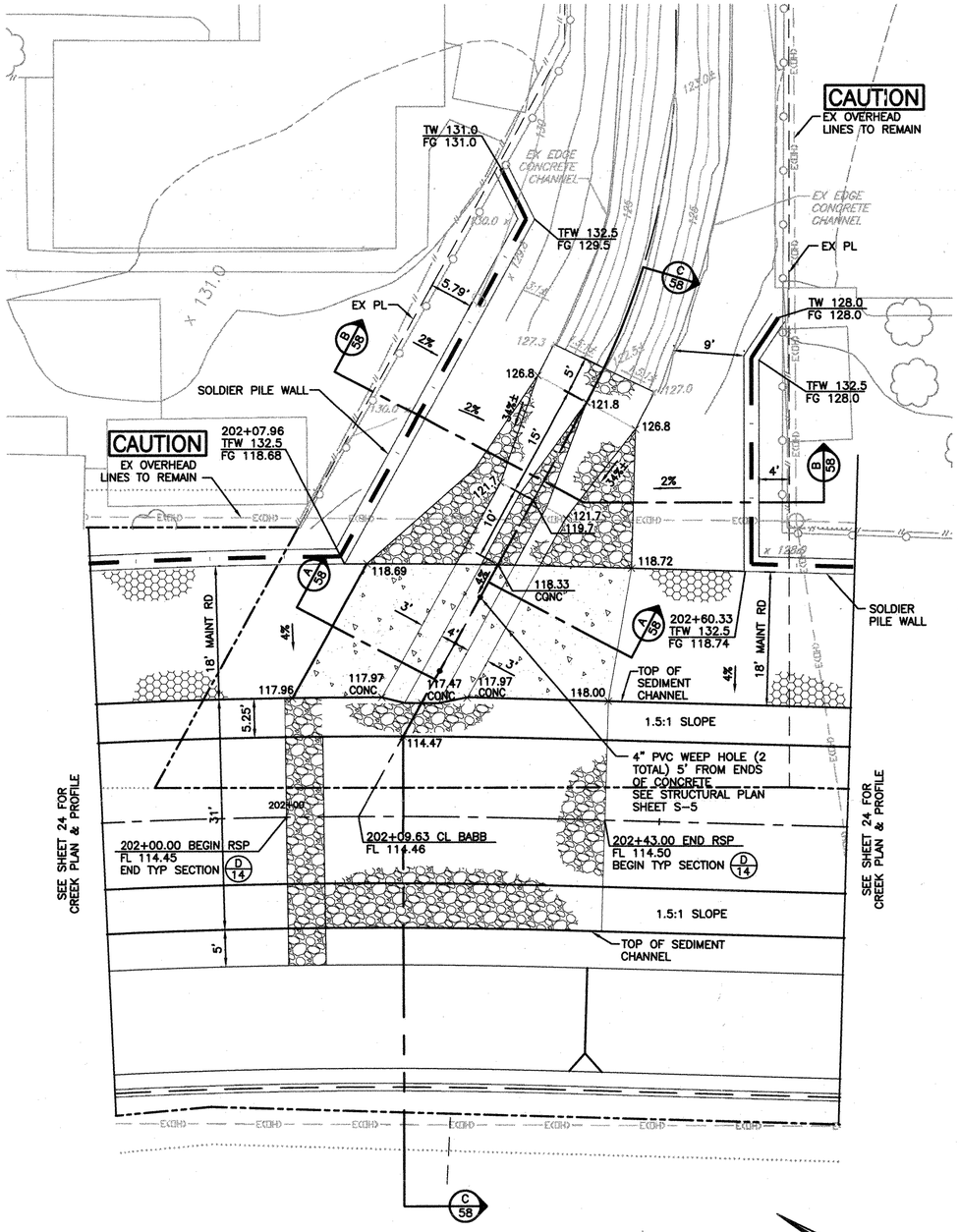
TRAFFIC CONTROL PLAN MOSS POINT DRIVE PHASES 1 & 2

SCALE	PROJECT NUMBER
AS SHOWN	40264008
VERIFY SCALES 0 1" BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	SHEET CODE: C-44

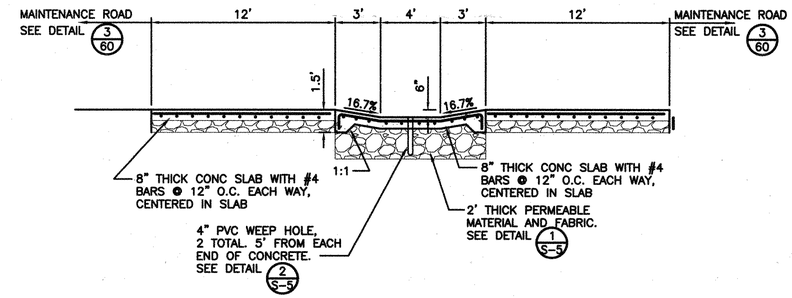
PAGE NUMBER: 57 OF 188

DOCUMENT NUMBER: CAD_XX-X-XXXX-XXXXX 40264008

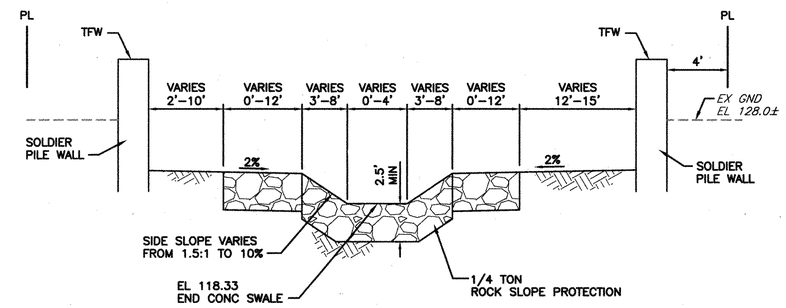
USERNAME: LWinter Wed 19 May 2010 02:51pm
FILENAME: W:\Jobs 09\092051\Drawings\Final\Plans\57 C-44 TRAFCTL MOSS PT



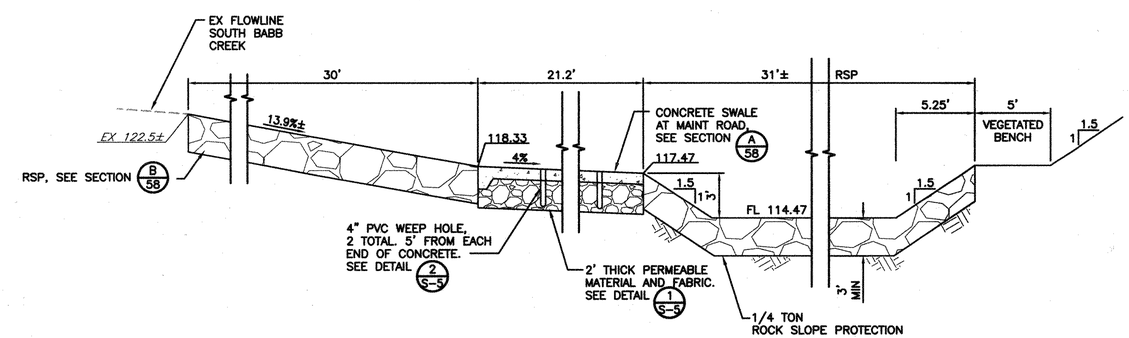
DETAIL 1/58 SOUTH BABB CREEK DETAIL
SCALE: 1"=10'



SECTION A/58 SWALE AT MAINTENANCE ROAD
NTS



SECTION B/58 ROCK SLOPE PROTECTION
NTS



SECTION C/58 APRON AND SWALE CENTERLINE
NTS

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

RJA RUGGERI-JENSEN-AZAR
ENGINEERS • PLANNERS • SURVEYORS
5055 CAMINO ARROYO GILROY, CA 95020
PHONE: (408) 848-2300 FAX: (408) 848-2302

DATE	ENGINEERING CERTIFICATION
05-18-10	
DESIGN JS/CW	
DRAWN LW	
CHECKED CP	5/18/10
	PROJECT ENGINEER DATE

Santa Clara Valley Water District

ACCEPTED BY DISTRICT
Dennis Cheong 6/1/10
DATE

PROJECT NAME AND SHEET DESCRIPTION:

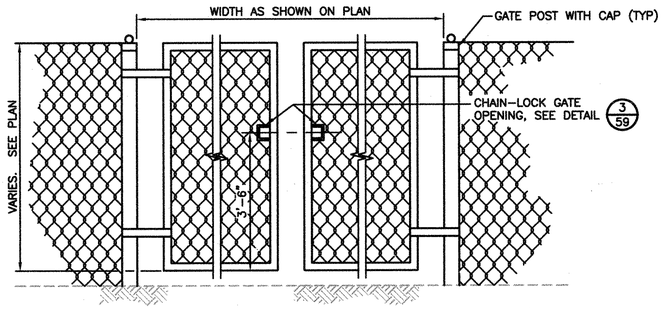
LOWER SILVER CREEK REACHES 4, 5 & 6A

SURFACE IMPROVEMENTS SOUTH BABB CREEK CONFLUENCE

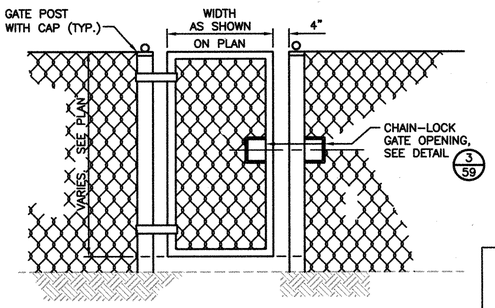
SCALE	PROJECT NUMBER
AS SHOWN	40264008
VERIFY SCALES 0 1" BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	SHEET CODE: C-45
	PAGE NUMBER: 58 OF 188

DOCUMENT NUMBER: CAD_XX-X-XXXX-XXXXX 4026 - 43097

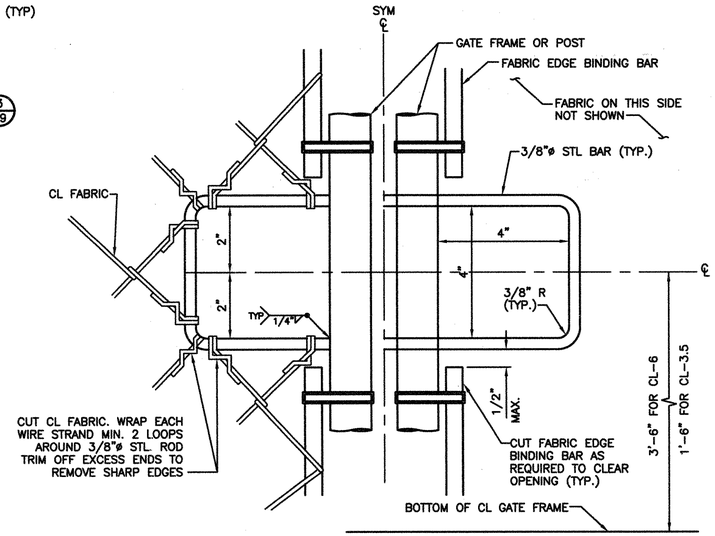
USERNAME: LWinter Thu 27 May 2010 05:41pm
FILENAME: W:\Jobs 09\092051\Drawings\Final\Plans\58 C-45 SOUTH BABB CR



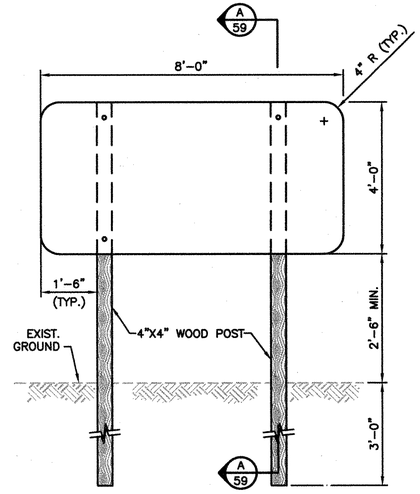
DETAIL 1/59 DOUBLE SWING DRIVE GATE
NTS



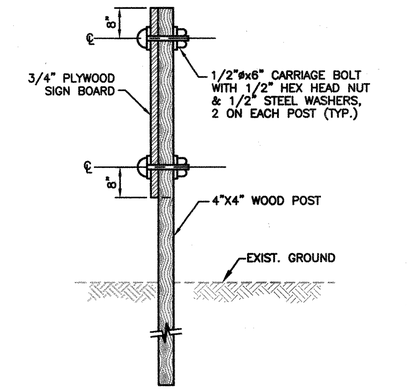
DETAIL 2/59 SINGLE SWING GATE
NTS



DETAIL 3/59 CHAIN-LOCK GATE OPENING
NTS

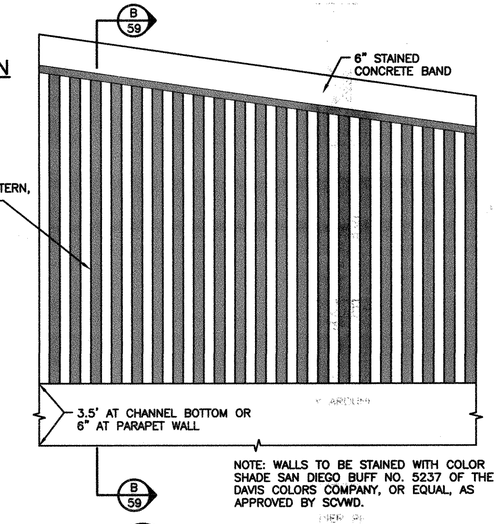


DETAIL 6/59 PROJECT SIGN INSTALLATION
NTS



SECTION A/59 PROJECT SIGN BOLTING
NTS

FENCE NOTES:
1. CHAIN & LOCK SHALL BE FURNISHED & INSTALLED BY SCVWD.
2. ALL CHAIN LINK FENCES SHALL BE VINYL COATED.
3. CHAIN LINK FENCES SHALL PER STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION REVISED STANDARD PLAN RSP A85.
4. ALL WOOD FENCES SHALL BE PER PROJECT SPECIFICATIONS.



DETAIL 8/59 ARCHITECTURAL TREATMENT
NTS

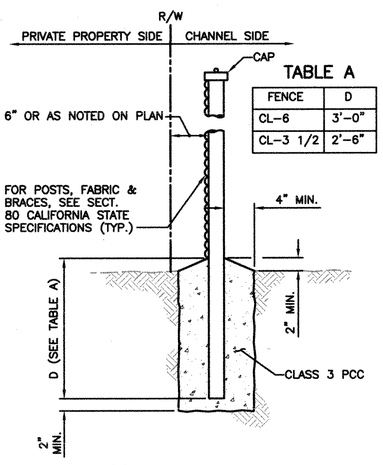


TABLE A

FENCE	D
CL-6	3'-0"
CL-3 1/2	2'-6"

DETAIL 4/59 FENCE POST IN GROUND
NTS

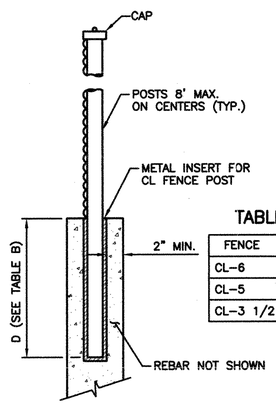
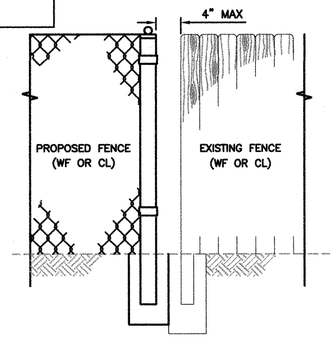


TABLE B

FENCE	D
CL-6	2'-0"
CL-5	1'-6"
CL-3 1/2	1'-0"

DETAIL 5/59 FENCE POST IN CONCRETE WALL
NTS



DETAIL 7/59 CONNECTION TO EX FENCING
NTS

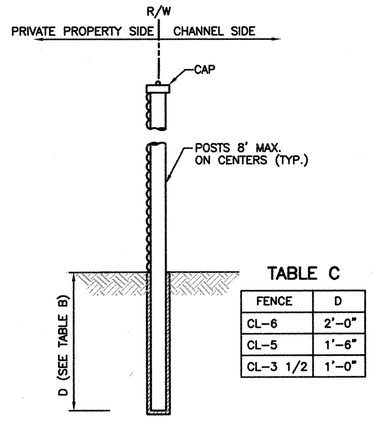
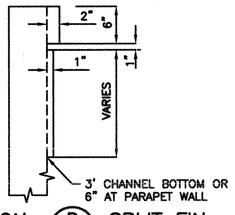


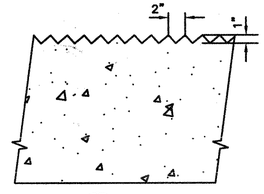
TABLE C

FENCE	D
CL-6	2'-0"
CL-5	1'-6"
CL-3 1/2	1'-0"

DETAIL 9/59 TEMPORARY CONSTRUCTION FENCE
NTS



SECTION B/59 SPLIT FIN FINISH
NTS



SECTION C/59 SPLIT FIN FINISH
NTS

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

DOCUMENT NUMBER:

RJA RUGGERI-JENSEN-AZAR
ENGINEERS • PLANNERS • SURVEYORS
5295 DAMING ARROYO GILROY, CA 95020
PHONE: (408) 848-3300 FAX: (408) 848-3302

DATE
05-18-10
DESIGN JS/CW
DRAWN LW
CHECKED CP

ENGINEERING CERTIFICATION
5/18/10
PROJECT ENGINEER DATE

Santa Clara Valley Water District
ACCEPTED BY DISTRICT
Dennis Cheong 6/1/10
DATE

PROJECT NAME AND SHEET DESCRIPTION:
LOWER SILVER CREEK REACHES 4, 5 & 6A
DETAIL SHEET

SCALE: AS SHOWN
VERIFY SCALES: 0 1"
BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

PROJECT NUMBER: 40264008
SHEET CODE: C-46
PAGE NUMBER: 59 OF 188

4026-43048
CAD_XXX
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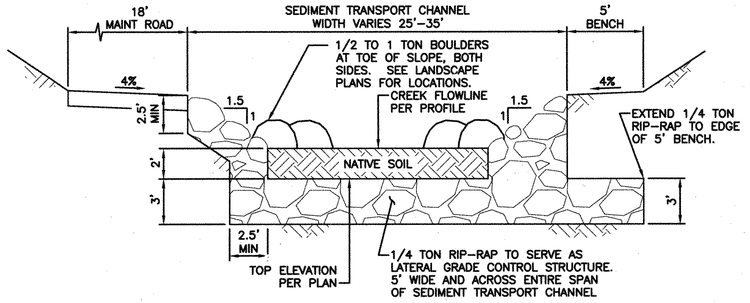
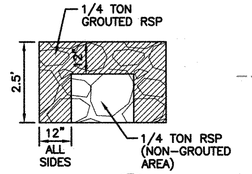


DETAIL 1/60 LATERAL GRADE CONTROL STRUCTURE

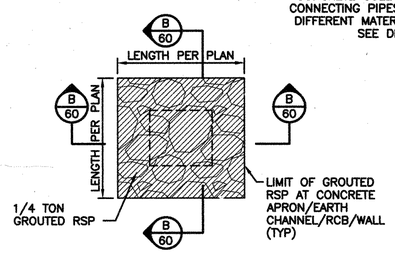
NTS

NOTES:
1. LOWER SILVER CREEK SECTION DRAWN LOOKING UPSTATION.
2. SEE PLAN SHEETS 15 TO 26 FOR LOCATIONS.



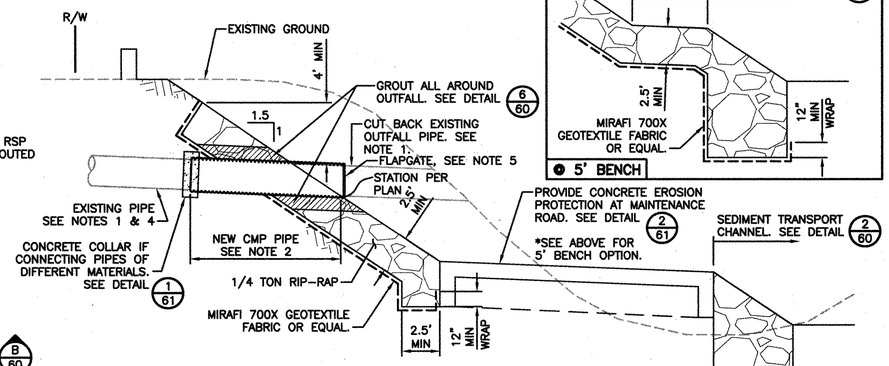
SECTION B/60

NTS



DETAIL 9/60 GROUTED RSP

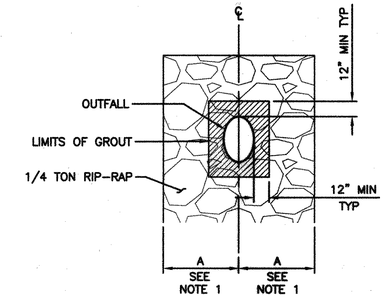
NTS



DETAIL 5/60 OUTFALL MODIFICATION AT SLOPE

NTS

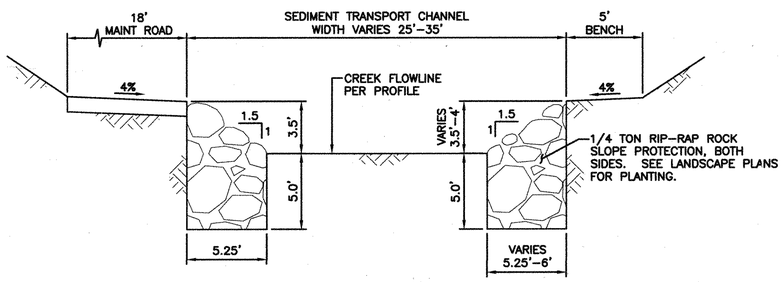
NOTES:
1. EXISTING OUTFALL PIPE TO BE CUT BACK 5' MIN BEHIND PROPOSED SLOPE.
2. NEW CMP OUTFALL TO BE EXTENDED PER DETAILS ABOVE, AND INSTALL FLAPGATE. SEE NOTE 3 FOR OUTFALL EXTENSION DIMENSIONS.
3. FOR OUTFALL DIAMETER OF 18" OR SMALLER USE 6.0'. FOR OUTFALL DIAMTER OF 21" OR GREATER USE 9.0'.
4. IF EXISTING OUTFALL PIPE NEEDS TO BE EXTENDED TO PROPOSED SLOPE, CUT BACK ANY DAMAGED PORTION OF PIPE AND EXTEND NEW CMP OUTFALL PER DETAIL ABOVE. SEE NOTE 3 FOR OUTFALL EXTENSION DIMENSIONS.
5. FLAPGATE SHALL BE WATERMAN MODEL F-10, OR FRESNO MODEL 10C OR APPROVED EQUAL, WITH SAFETY BARS AND FASTENINGS.



DETAIL 6/60 OUTFALL GROUT

NTS

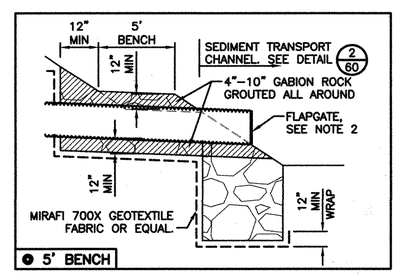
NOTES:
1. ONE-HALF SLOPE PROTECTION WIDTH "A" IS TO BE THE GREATER OF TWICE THE OUTFALL PIPE DIAMETER OR 2 FEET.
2. GROUT RIP-RAP 12" MIN AROUND OUTFALL.

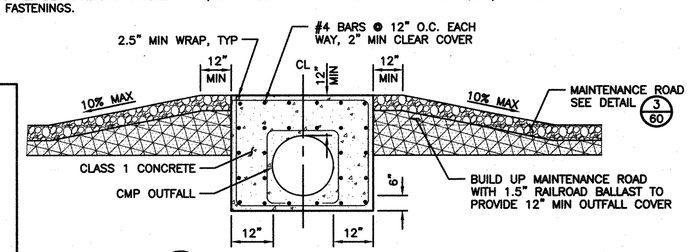


DETAIL 2/60 ROCK SLOPE PROTECTION

NTS

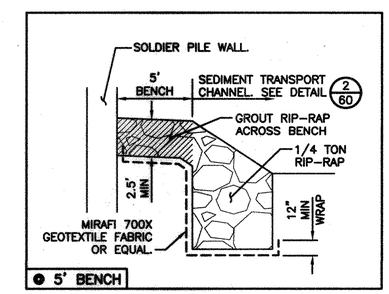
NOTES:
1. LOWER SILVER CREEK SECTION DRAWN LOOKING UPSTATION.

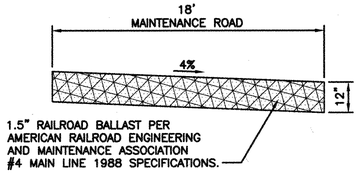




SECTION A/60 OUTFALL CONCRETE ENCASEMENT

NTS

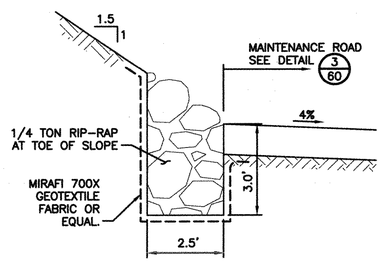




DETAIL 3/60 MAINTENANCE ROAD

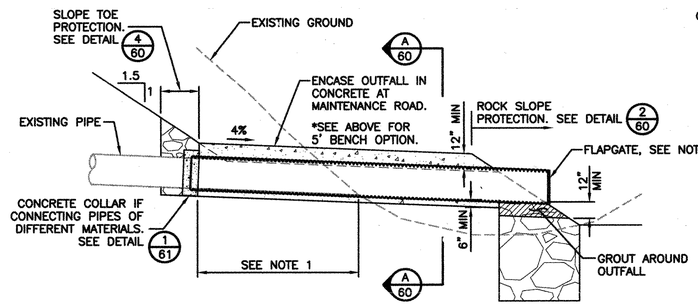
NTS

NOTES:
1. APPLIES TO MAINTENANCE ROAD IN ALL AREAS EXCEPT CONCRETE SECTIONS.



DETAIL 4/60 SLOPE TOE PROTECTION

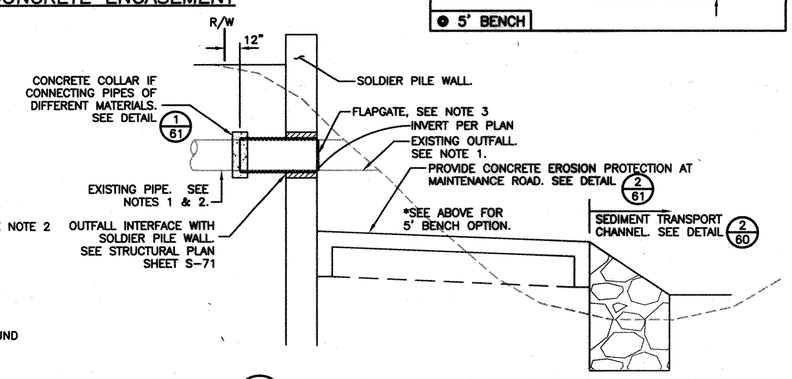
NTS



DETAIL 7/60 OUTFALL MODIFICATION AT SEDIMENT TRANSPORT CHANNEL

NTS

NOTES:
1. CUT BACK EXISTING OUTFALL PIPE TO EDGE OF PROPOSED MAINTENANCE ROAD. EXTEND NEW CMP OUTFALL TO SEDIMENT TRANSPORT CHANNEL AND INSTALL FLAPGATE. USE CONCRETE COLLAR IF CONNECTING PIPES OF DIFFERENT MATERIALS.
2. FLAPGATE SHALL BE WATERMAN MODEL F-10, OR FRESNO MODEL 10C OR APPROVED EQUAL, WITH SAFETY BARS AND FASTENINGS.



DETAIL 8/60 OUTFALL MODIFICATION AT SOLDIER PILE WALL

NTS

NOTES:
1. CUT BACK EXISTING OUTFALL PIPE 12" FROM R/W. EXTEND NEW CMP OUTFALL TO SOLDIER PILE WALL AND CUT FLUSH WITH WALL. USE CONCRETE COLLAR IF CONNECTING PIPES OF DIFFERENT MATERIALS.
2. IF EXISTING OUTFALL PIPE NEEDS TO BE EXTENDED TO BE FLUSH WITH PROPOSED WALL, CUT BACK ANY DAMAGED PORTION OF PIPE AND EXTEND NEW CMP OUTFALL PER DETAIL ABOVE.
3. FLAPGATE SHALL BE WATERMAN MODEL F-10, OR FRESNO MODEL 10C OR APPROVED EQUAL, WITH SAFETY BARS AND FASTENINGS.

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

RJA RUGGERI-JENSEN-AZAR ENGINEERS • PLANNERS • SURVEYORS

DATE	ENGINEERING CERTIFICATION
05-18-10	
DESIGN JS/CW	
DRAWN LW	
CHECKED CP	5/18/10
	PROJECT ENGINEER DATE

Santa Clara Valley Water District

ACCEPTED BY DISTRICT: Dennis Cheong 6/1/10 DATE

PROJECT NAME AND SHEET DESCRIPTION:

LOWER SILVER CREEK REACHES 4, 5 & 6A

DETAIL SHEET

SCALE: AS SHOWN

VERIFY SCALES: 0 — 1" BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

PROJECT NUMBER: 40264008

SHEET CODE: C-47

PAGE NUMBER: 60 OF 188

DOCUMENT NUMBER: 40264008

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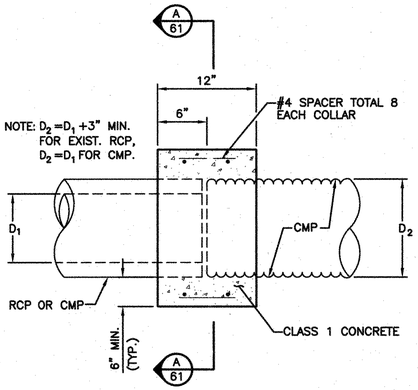
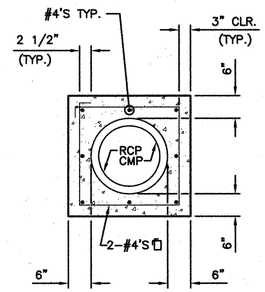
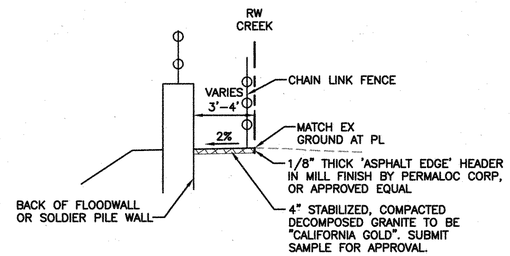


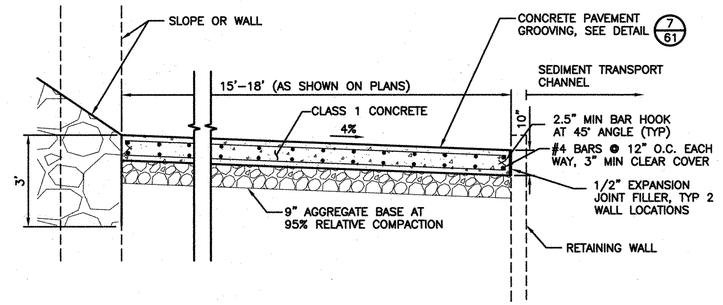
DETAIL 1/61 CONCRETE COLLAR
NTS



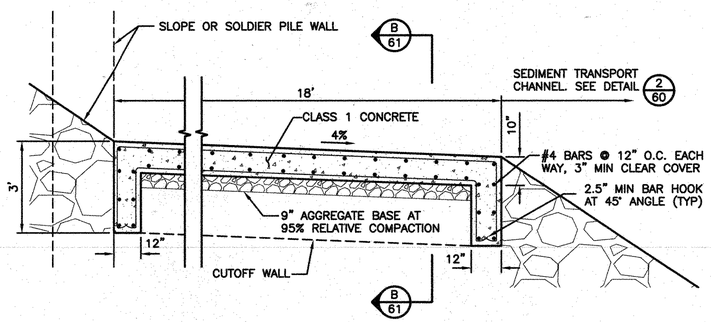
SECTION A/61 CONCRETE COLLAR
NTS



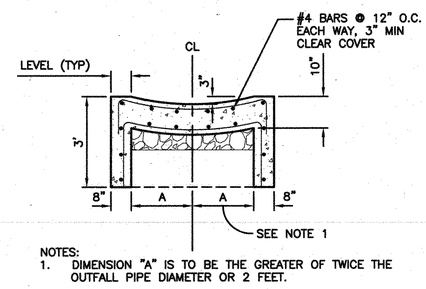
DETAIL 4/61 DECOMPOSED GRANITE MAINTENANCE ACCESS
NTS



DETAIL 5/61 CONCRETE MAINTENANCE RAMP
NTS

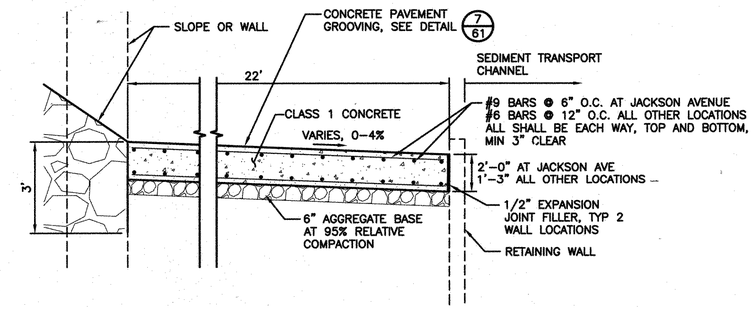


DETAIL 2/61 MAINTENANCE ROAD CONCRETE EROSION PROTECTION
NTS

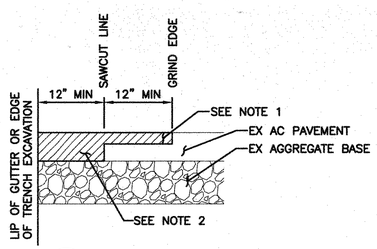


NOTES:
1. DIMENSION "A" IS TO BE THE GREATER OF TWICE THE OUTFALL PIPE DIAMETER OR 2 FEET.

SECTION B/61 MAINTENANCE ROAD CONCRETE EROSION PROTECTION
NTS

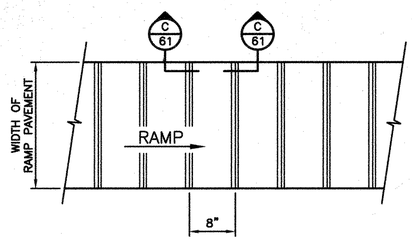


DETAIL 6/61 CONCRETE CRANE PAD
NTS

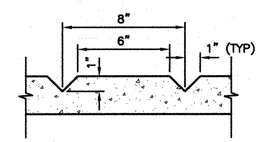


DETAIL 3/61 PAVEMENT CONFORM
NTS

NOTES:
1. PROVIDE 2" GRIND OF EXISTING PAVEMENT @ 12" MIN FROM SAWCUT LINE TO PROVIDE A SMOOTH TRANSITION FROM EXISTING TO NEW PAVEMENT. APPLY TACK COAT TO CUT AND GRIND EDGE OF EXISTING PAVEMENT.
2. TYPE 'B' ASPHALT CONCRETE PER PROJECT SPECIFICATIONS. MATCH EXISTING AC SECTION.

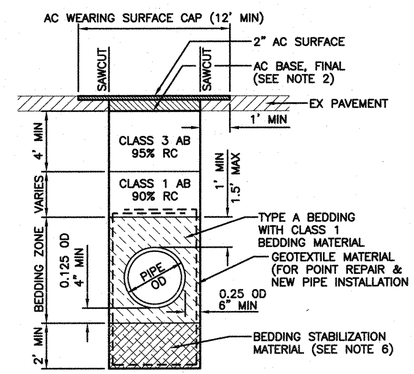


DETAIL 7/61 CONCRETE PAVEMENT GROOVING
NTS



NOTE:
THIS SECTION IS APPROPRIATE FOR SURFACE GROOVING ONLY. SEE STRUCTURAL SHEETS FOR CONCRETE THICKNESS AND REINFORCEMENT DETAILS.

SECTION C/61 GROOVING
NTS



NOTES:
1. CLEAN & TACK SIDES OF EXCAVATION & BETWEEN COURSES WITH SPRAY APPLICATION OF SS-1H BINDER BEFORE PLACING AC SUREFACE.
2. PLACE A TOTAL DEPTH OF EXISTING AC BASE IN PLACE PLUS 2" AC BASE TO FINISH GRADE. GRIND ENTIRE WEARING SURFACE CAP WIDTH INCLUDING AC BASE AND EXISITNG SURFACE TO A DEPTH OF 2" BELOW FINISH GRADE JUST PRIOR TO PLACING AC SURFACE.
3. THE 2" AC 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 AC 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 HAUNCE AREAS IS REQUIRED WHEN BEDDING IS NO HIGHER THAN THE QUARTER POINT OF THE PIPE.
6. BEDDING STABILIZATION MATERIAL SHALL BE USED FOR UNSUITABLE SOIL CONDITIONS OR AS DIRECTED BY THE ENGINEER FOR NEW PIPE INSTALLATION OR POINT REPAIRS.

DETAIL 8/61 TRENCH BEDDING/BACKFILL AND AC SURFACE RESTORATION
NTS

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

DOCUMENT NUMBER:

RUGGERI-JENSEN-AZAR
ENGINEERS • PLANNERS • SURVEYORS
8055 CAMINO ARROYO GILROY, CA 95020
PHONE: (408) 848-5300 FAX: (408) 848-5302

DATE	ENGINEERING CERTIFICATION
05-18-10	
DESIGN JS/CW	
DRAWN LW	
CHECKED CP	5/18/10
	PROJECT ENGINEER DATE

Santa Clara Valley Water District

ACCEPTED BY DISTRICT
Dennis Chaong 6/1/10
DATE

PROJECT NAME AND SHEET DESCRIPTION:

LOWER SILVER CREEK REACHES 4, 5 & 6A

DETAIL SHEET

SCALE	PROJECT NUMBER
AS SHOWN	40264008
VERIFY SCALES 0 1" BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	SHEET CODE: C-48
	PAGE NUMBER: 61 OF 188

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FILENAME: W:\Jobs 09\092051\Drawings\Final\Plans\61 C-48 DETAIL SHEET 3

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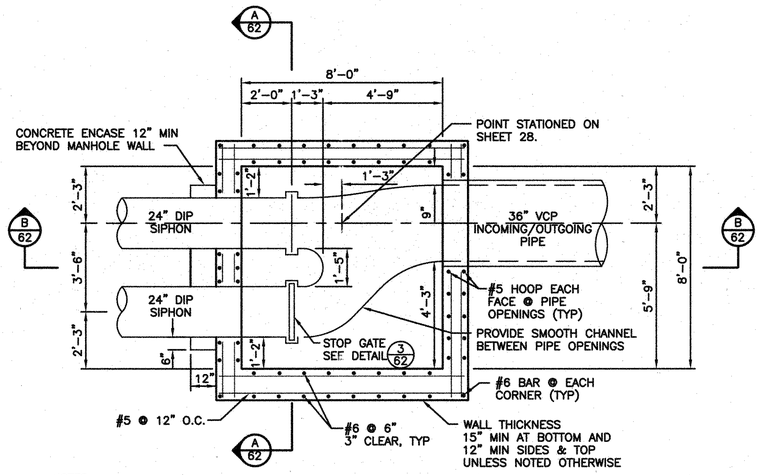
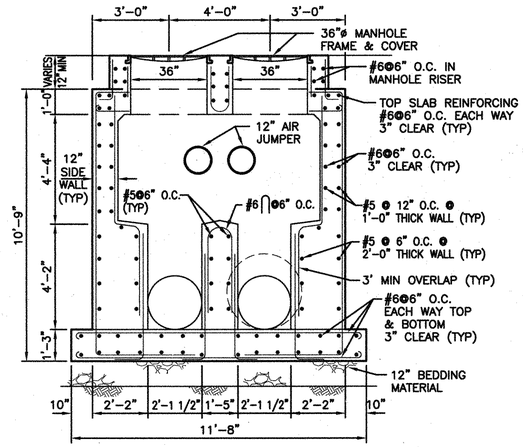
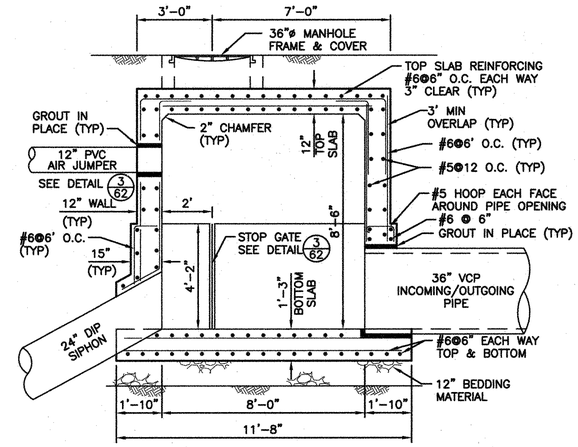


NOTES:
1. THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.
2. CONCRETE: MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI.
3. REINFORCING STEEL: ASTM A615, GRADE 60.
4. ALL HOOKS AND BENDS TO ACI 318, UNLESS NOTED OTHERWISE.
5. ALL SPLICES ARE CLASS B LAP SPLICES TO ACI 318.
6. CONCRETE COVER TO REINFORCING BARS:
   UNFORMED SURFACES = 3 INCHES
   FORMED SURFACES = 2 INCHES
7. INTERIOR FORMED SURFACES SHALL HAVE A CLASS C FINISH. BURIED SURFACES SHALL HAVE A CLASS D FINISH.
8. FIBERGLASS REINFORCED PLASTIC: MINIMUM GRADE 20 ksi.
9. CONTRACTOR SHALL LINE ALL INSIDE SURFACES OF THE MANHOLE WITH PERPETU WALL CORROSION RESISTANT FIBERGLASS REINFORCED PLASTIC LINER, OR APPROVED EQUAL.
10. SEE SHEET 28 FOR JACKSON AVENUE SIPHON PIPE INVERT ELEVATIONS, DETAILS AND DESIGN INFORMATION.

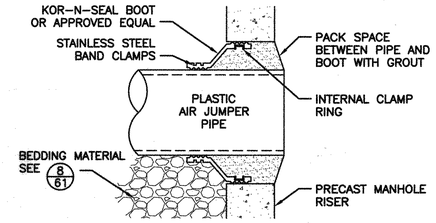
DETAIL 1/62 JACKSON AVENUE SIPHON MANHOLE
NTS



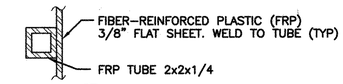
SECTION A/62
NTS



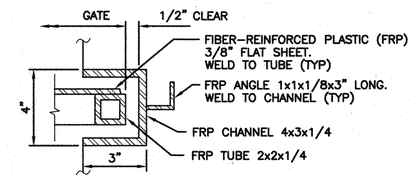
SECTION B/62
NTS



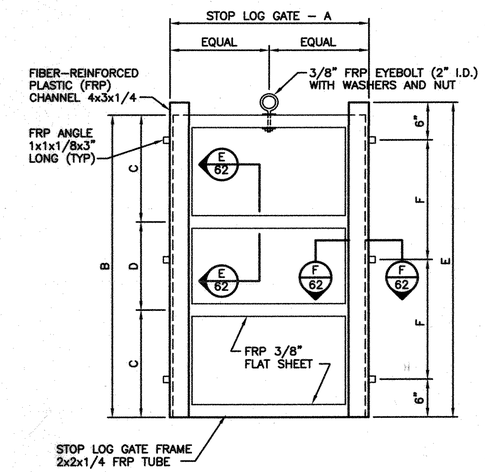
DETAIL 4/62 AIR JUMPER WATER STOP
NTS



SECTION E/62
NTS

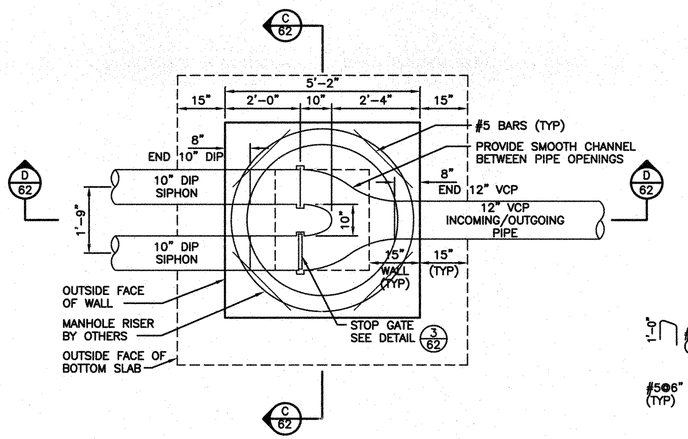


SECTION F/62
NTS



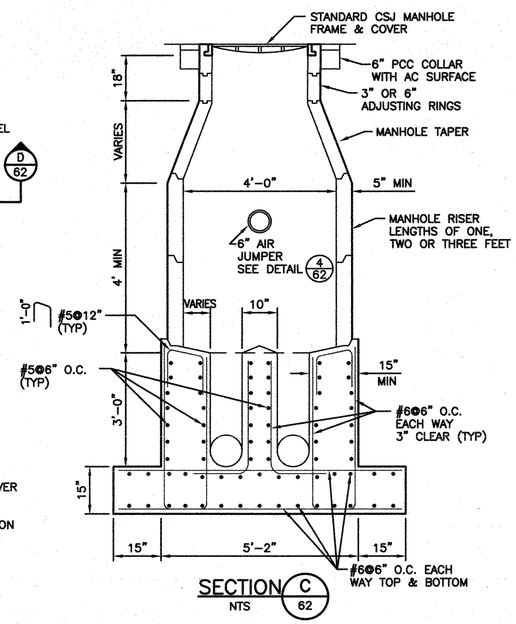
DETAIL 3/62 STOP LOG GATE AND FRAME
NTS

STOP GATE DIMENSION TABLE						
LOC	A	B	C	D	E	F
JACKSON	2'-6"	4'-0"	1'-5"	1'-2"	4'-2"	1'-7"
CAPITOL	1'-4"	2'-10"	1'-0"	10"	3'-0"	1'-0"

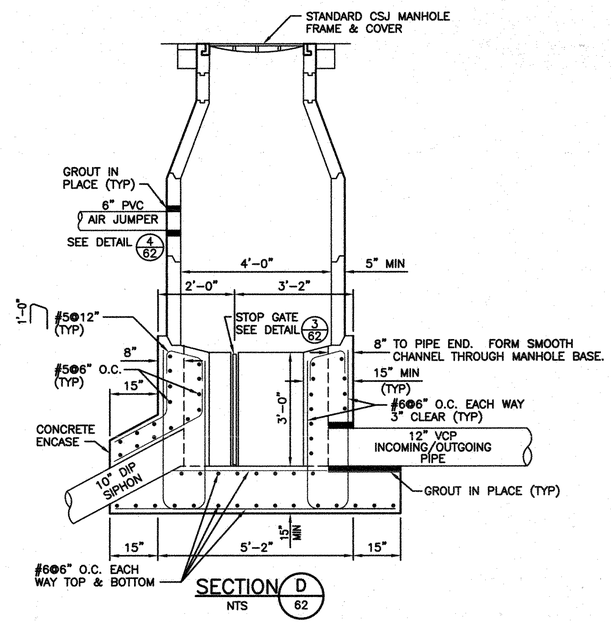


NOTES:
1. SEE SHEET 38 CAPITOL EXPRESSWAY SIPHON INVERT ELEVATIONS, DETAILS & DESIGN STANDARDS.
2. REFER TO CITY OF SAN JOSE STANDARD DRAWING D-10 FOR STANDARD MANHOLE FRAME AND COVER SPECIFICATIONS.
3. CONTRACTOR SHALL LINE ALL INTERIOR SURFACES OF THE MANHOLE WITH PERPETU WALL CORROSION RESISTANT FIBERGLASS REINFORCED PLASTIC LINER OR APPROVED EQUAL.

DETAIL 2/62 CAPITOL EXPRESSWAY SIPHON MANHOLE
NTS



SECTION C/62
NTS



SECTION D/62
NTS

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

RJA RUGGERI-JENSEN-AZAR ENGINEERS • PLANNERS • SURVEYORS 5005 CAMINO ARROYO GILROY, CA 95020 PHONE: (408) 848-3300 FAX: (408) 848-3302

DATE 05-18-10 | DESIGN JS/CW | DRAWN LW | CHECKED CP

ENGINEERING CERTIFICATION: REGISTERED PROFESSIONAL ENGINEER — Exp. 3/31/12 — CIVIL — STATE OF CALIFORNIA
PROJECT ENGINEER 5/18/10 DATE

Santa Clara Valley Water District
ACCEPTED BY DISTRICT: Dennis Cheong 6/1/10 DATE

PROJECT NAME AND SHEET DESCRIPTION:
LOWER SILVER CREEK REACHES 4, 5 & 6A
SIPHON MANHOLE DETAIL SHEET

SCALE: AS SHOWN | VERIFY SCALES: 0 1" BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY
PROJECT NUMBER: 40264008
SHEET CODE: C-49
PAGE NUMBER: 62 OF 188

DOCUMENT NUMBER: 4026-V3051 CAD_XXX
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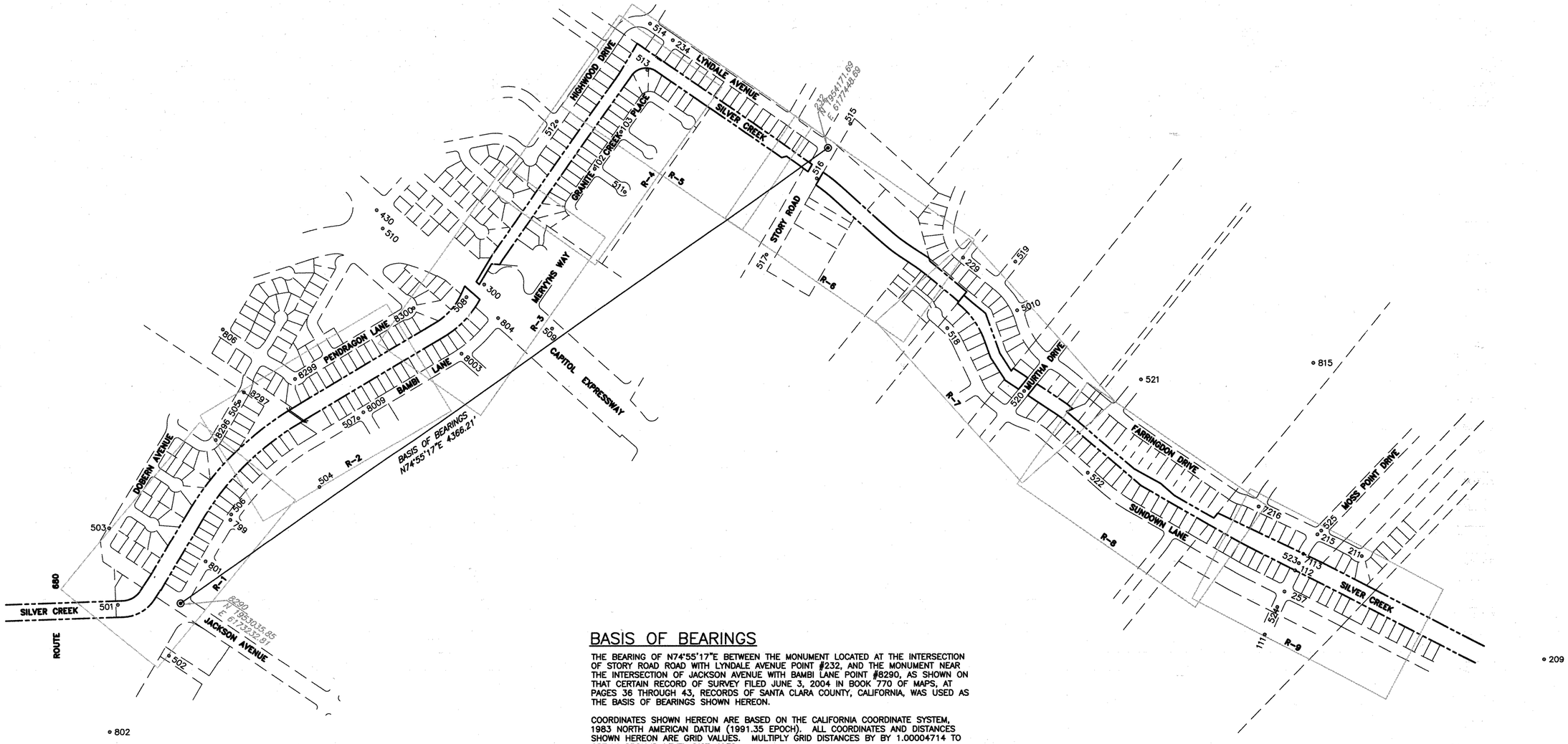

BASIS OF BEARINGS

THE BEARING OF N74°55'17"E BETWEEN THE MONUMENT LOCATED AT THE INTERSECTION OF STORY ROAD ROAD WITH LYNDALE AVENUE POINT #232, AND THE MONUMENT NEAR THE INTERSECTION OF JACKSON AVENUE WITH BAMBI LANE POINT #8290, AS SHOWN ON THAT CERTAIN RECORD OF SURVEY FILED JUNE 3, 2004 IN BOOK 770 OF MAPS, AT PAGES 36 THROUGH 43, RECORDS OF SANTA CLARA COUNTY, CALIFORNIA, WAS USED AS THE BASIS OF BEARINGS SHOWN HEREON.

COORDINATES SHOWN HEREON ARE BASED ON THE CALIFORNIA COORDINATE SYSTEM, 1983 NORTH AMERICAN DATUM (1991.35 EPOCH). ALL COORDINATES AND DISTANCES SHOWN HEREON ARE GRID VALUES. MULTIPLY GRID DISTANCES BY BY 1.00004714 TO OBTAIN GROUND LEVEL DISTANCES.

VERTICAL DATUM

ELEVATIONS ARE BASED ON THE GEODETIC SURVEY CONTROL POINT DATA FOR LOWER SILVER CREEK, REACHES 4, 5, & 6; AND THE SURVEY BY CH2MHILL AS PUBLISHED IN THEIP SURVEY REPORT TO THE SANTA CLARA VALLEY WATER DISTRICT ENTITLED "SILVER CREEK – SANTA CLARA VALLEY WATER DISTRICT – SAN JOSE, CALIFORNIA – SURVEY CONTROL". THIS SURVEY IS BASED ON NAVD 88 ELEVATIONS SUPPLIED BY THE SANTA CLARA VALLEY WATER DISTRICT.

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

RJA
RUGGERI-JENSEN-AZAR
ENGINEERS • PLANNERS • SURVEYORS
8005 CAMINO ARROYO GILROY, CA 95020
PHONE (408) 848-3305 FAX (408) 848-3302

DATE	
05-18-10	
DESIGN	JS/CW
DRAWN	LW
CHECKED	CP

ENGINEERING CERTIFICATION
PROFESSIONAL LAND SURVEYOR ANDREW G. CRAFER No. 8005 Exp. 12-31-10 STATE OF CALIFORNIA
5/18/10
PROJECT ENGINEER DATE

Santa Clara Valley Water District
ACCEPTED BY DISTRICT
Dennis Cheung 6/1/10
DATE

PROJECT NAME AND SHEET DESCRIPTION:
LOWER SILVER CREEK REACHES 4, 5 & 6A
SURVEY CONTROL MAP

SCALE	PROJECT NUMBER
AS SHOWN	40264008
VERIFY SCALES 0 1" BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	SHEET CODE: SV-1
	PAGE NUMBER: 63 OF 188

DOCUMENT NUMBER: CAD_XX-X-XXXX-XXXXX 40264-43052

USERNAME: achafer Thu 27 May 2010 04:40pm
FILENAME: W:\Jobs 09\092051\Drawings\Final\Plans\63 SV-1 SURVEY CONTROL MAP

POINT NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
102	1954503.581	6176202.592		FOUND STANDARD CITY MONUMENT AT THE INTERSECTION OF GRANITE CREEK PLACE AND PEBBLE CREEK COURT PER TRACT 6101
103	1954645.434	6176408.591		FOUND STANDARD CITY MONUMENT AT THE INTERSECTION OF GRANITE CREEK PLACE AND ADOBE CREEK COURT PER TRACT 6101
111	1950824.109	6178786.455	127.72	FOUND STANDARD CITY MONUMENT AT THE INTERSECTION OF MOSS POINT DRIVE AND HILLMONT AVENUE
112	1951100.222	6179062.261	130.47	FOUND STANDARD CITY MONUMENT ALONG THE CENTERLINE OF MOSS POINT DRIVE APPROXIMATELY 130' NORTHWESTERLY OF FROM THE INTERSECTION WITH THE CENTERLINE OF SUNDOWN LANE
123	1948858.906	6180460.047		FOUND STANDARD CITY MONUMENT AT THE INTERSECTION OF CUNNINGHAM AVENUE AND CUNNINGHAM COURT PER TRACT 8240
124	1949897.255	6179482.882	127.91	FOUND STANDARD CITY MONUMENT AT THE INTERSECTION OF OCALA AVENUE AND HILLMONT AVENUE PER TRACT 4539
200	1949041.927	6180933.634	131.26	FOUND STANDARD CITY MONUMENT AT THE INTERSECTION OF CUNNINGHAM AVENUE AND RIDGEMONT DRIVE PER TRACT 4922
209	1950167.450	6180182.333	130.38	FOUND STANDARD CITY MONUMENT AT THE INTERSECTION OF OCALA AVENUE AND AND RIDGEMONT DRIVE PER TRACT 3553
211	1951048.92	6179433.427		FOUND STANDARD CITY MONUMENT ON PARK LANE APPROXIMATELY 270' SOUTHEASTERLY OF THE INTERSECTION WITH THE CENTERLINE OF MOSS POINT DRIVE PER TRACT 3554
215	1951245.677	6179244.569	130.40	FOUND STANDARD CITY MONUMENT AT THE INTERSECTION OF MOSS POINT DRIVE AND FARRINGDON DRIVE PER TRACT 4728
229	1953350.541	6177938.904	125.21	FOUND STANDARD CITY MONUMENT AT THE INTERSECTION OF FARRINGDON DRIVE AND CHILTERN WAY PER TRACT 1410
232	1954171.69	6177448.69	127.74	FOUND STANDARD CITY MONUMENT AT THE INTERSECTION OF STORY ROAD AND LYNDALE AVENUE PER TRACT 1007
234	1955022.659	6176848.378	123.19	FOUND STANDARD CITY MONUMENT AT THE INTERSECTION OF LYNDALE AVENUE AND SILVER AVENUE PER TRACT 1007
257	1951010.126	6178968.505		FOUND STANDARD CITY MONUMENT AT THE INTERSECTION OF MOSS POINT DRIVE AND SUNDOWN LANE PER TRACT 2825
300	1954117.369	6175407.402	118.85	FOUND STANDARD CITY MONUMENT ON THE EASTERLY SIDE OF CAPITOL EXPRESSWAY AND SOUTHERLY RIGHT OF WAY LINE OF SILVER CREEK, PER RECORD OF SURVEY BOOK 801, PAGES 1–37
309	1949002.026	6180786.987	133.02	FOUND PK NAIL NEAR SILVER CREEK AND CUNNINGHAM AVENUE
310	1949005.996	6180782.740	133.53	"W10 CUT X" FOUND MAG–NAIL AND SHINER NEAR SILVER CREEK AND CUNNINGHAM AVENUE
430	1954703.907	6174996.310		FOUND ALUMINUM DISK ON THE EASTERLY SIDE OF CAPITOL AVENUE APPROXIMATELY 160' NORTHEASTERLY OF CAPITOL EXPRESSWAY
501	1953145.53	6172908.942	107.32	FLIGHT MARKER, CUT "X" IN CONCRETE ON THE NORTHERLY SIDE OF SILVER CREEK NEAR THE EASTERLY RIGHT–OF–WAY LINE OF HIGHWAY 680
502	1952786.537	6173074.237	104.13	FLIGHT MARKER, STANDARD CITY MONUMENT LOCATED IN THE CENTER OF THE CUL–DE–SAC AT THE NORTHWESTERLY END OF DIADEM DRIVE
503	1953560.305	6173008.566	105.71	FLIGHT MARKER, SET PK NAIL NEAR THE NORTHWEST RETURN OF THE INTERSECTION OF DOBERN AVENUE AND SUMMER STREET
504	1953376.86	6174175.955	110.00	FLIGHT MARKER, SET PK NAIL IN THE PARK SIDEWALK APPROXIMATELY 65' SOUTH OF THE CONCRETE COURT FOR TENNIS AND BASKETBALL
505	1953976.316	6173919.935	108.62	FLIGHT MARKER, SET PK NAIL NEAR THE CENTERLINE OF DOBERN AVENUE APPROXIMATELY 55' SOUTHWESTERLY OF THE 80' PG&E RIGHT–OF–WAY
506	1953402.099	6173662.732	106.81	FLIGHT MARKER, SET PK NAIL NEAR THE CURB ON THE NORTHERLY SIDE OF BAMBI LANE NEAR THE NORTHERLY PROJECTION OF THE NORTHEASTERLY LINE OF PETER PAN AVENUE
507	1953663.878	6174508.086	109.93	FLIGHT MARKER, SET PK NAIL NEAR THE SOUTHWESTERLY RETURN AT THE INTERSECTION OF BAMBI LANE AND GALAHAD AVENUE
508	1954085.206	6175291.014	117.38	FLIGHT MARKER, FOUND "X" IN THE SIDEWALK CROSSING SILVER CREEK ALONG THE SOUTHWESTERLY LINE OF CAPITOL AVENUE
509	1953760.176	6175678.302	116.87	FLIGHT MARKER, SET PK NAIL ON THE NORTHEAST SIDE OF CAPITOL EXPRESSWAY, APPROXIMATELY 180' SOUTHERLY OF THE INTERSECTION WITH MERVYNS WAY
510	1954597.806	6174992.63	116.95	FLIGHT MARKER, SET PK NAIL NEAR THE ISLAND AT THE NORTHEASTERLY RETURN FOR THE INTERSECTION OF CAPITOL EXPRESSWAY AND CAPITOL AVENUE
511	1954327.419	6176313.406	119.26	FLIGHT MARKER, SET PK NAIL NEAR THE LIP OF THE CURB AT THE END OF THE CUL–DE–SAC FOR PEBBLE CREEK COURT
512	1954820.252	6176094.015	117.93	FLIGHT MARKER, SET PK NAIL NEAR THE INTERSECTION OF HIGHWOOD DRIVE AND MARMONT WAY
513	1954916.276	6176661.143	121.38	FLIGHT MARKER, SET PK NAIL ON THE SOUTH SIDE OF SILVER CREEK ON THE PEDESTRIAN PATH CONNECTING SILVER AVENUE AND GRANITE CREEK PLACE
514	1955151.031	6176762.877	123.46	FLIGHT MARKER, SET PK NAIL NEAR THE INTERSECTION OF HIGHWOOD DRIVE AND LYNDALE AVENUE
515	1954253.401	6177610.356	128.83	FLIGHT MARKER, SET PK NAIL IN THE SIDEWALK ALONG THE SOUTHEASTERLY SIDE OF STORY ROAD APPROXIMATELY 150' NORTHEASTERLY OF THE NORTHEAST LINE OF LYNDALE AVENUE

POINT NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
516	1954034.617	6177332.123	125.97	FLIGHT MARKER, SET PK NAIL ON THE SOUTHEASTERLY SIDE OF STORY ROAD NEAR THE SILVER CREEK CROSSING
517	1953739.063	6176922.602	123.11	FLIGHT MARKER, SET PK NAIL NEAR THE CENTERLINE OF STORY ROAD APPROXIMATELY 230' NORTHEASTERLY OF THE INTERSECTION WITH THE CENTERLINE OF McGINNESS AVENUE
518	1953016.038	6177723.597	125.20	FLIGHT MARKER, SET PK NAIL ON SUNDOWN LANE APPROXIMATELY 365' NORTHERLY OF THE INTERSECTION WITH THE CENTERLINE OF MONTEAGLE DRIVE
519	1953232.955	6178198.054	128.86	FLIGHT MARKER, SET PK NAIL NEAR THE CENTERLINE OF SHERBROOKE WAY APPROXIMATELY 155' NORTHEASTERLY OF THE INTERSECTION WITH THE CENTERLINE OF FARRINGDON DRIVE
520	1952547.676	6177999.188	129.26	FLIGHT MARKER, SET PK NAIL NEAR THE CENTERLINE OF MURTHA DRIVE ALONG THE WEST SIDE OF THE SILVER CREEK CROSSING
521	1952385.339	6178628.976	130.90	FLIGHT MARKER, SET PK NAIL NEAR THE INTERSECTION OF MARKINGDON AVENUE AND AMESBURY WAY
522	1951999.897	6178175.315	127.36	FLIGHT MARKER, SET PK NAIL ON SUNDOWN LANE, APPROXIMATELY 560' SOUTHEASTERLY FROM THE CENTERLINE OF MURTHA DRIVE
523	1951130.683	6179095.113	130.96	FLIGHT MARKER, SET PK NAIL NEAR THE INTERSECTION OF THE CENTERLINE OF MOSS POINT DRIVE WITH THE CENTERLINE OF THE SILVER CREEK CROSSING
524	1950943.097	6178902.112	128.28	FLIGHT MARKER, SET PK NAIL NEAR THE CENTERLINE OF MOSS POINT DRIVE APPROXIMATELY 95' SOUTHWESTERLY OF THE CENTERLINE INTERSECTION OF SUNDOWN LANE
525	1951258.232	6179270.711	130.78	FLIGHT MARKER, SET PK–NAIL NEAR THE CENTERLINE OF MOSS POINT DRIVE NORTHERLY OF THE RIGHT–OF–WAY LINE FOR FARRINGDON DRIVE
799	1953375.166	6173647.64	107.00	FOUND STANDARD CITY MONUMENT AT THE INTERSECTION OF BAMBI LANE AND PETER PAN AVENUE PER TRACT 2201
800	1953697.384	6171775.475	103.61	FOUND PK NAIL IN KAMMERER AVENUE APPROXIMATELY 800' SOUTHWESTERLY FROM THE CENTERLINE INTERSECTION OF JACKSON AVENUE
801	1953206.322	6173441.615		FOUND PK NAIL NEAR THE INTERSECTION OF BAMBI LANE AND COTTON TAIL AVENUE
802	1952500.763	6172626.342	114.83	FOUND PK NAIL ON THE SOUTHERLY SIDE OF THE HIGHWAY 680 NORTH BOUND OFF RAMP FOR JACKSON AVENUE
804	1953917.610	6175415.541		FOUND PK NAIL NEAR THE INTERSECTION OF BAMBI LANE AND CAPITOL AVENUE
806	1954379.316	6173971.261	107.16	FOUND PK NAIL NEAR THE INTERSECTION OF MASSAR AVENUE AND GEORGINIA AVENUE
815	1952145.669	6179548.941	142.39	FOUND PK NAIL NEAR THE CENTERLINE OF BERKSFORD WAY, APPROXIMATELY 110' SOUTHWESTERLY OF THE INTERSECTION WITH THE CENTERLINE OF HURLINGHAM WAY
818	1949343.458	6181713.539	131.66	FOUND STANDARD CITY MONUMENT AT THE INTERSECTION OF CUNNINGHAM AVENUE AND GANA COURT
819	1949362.05	6181705.13	131.48	FOUND FLIGHT CROSS ON THE NORTHERLY SIDE OF CUNNINGHAM AVENUE NEAR THE INTERSECTION WITH GANA COURT
824	1948184.912	6178788.521	122.46	FOUND CUT "X" ON THE RETURN LOCATED ON THE NORTHEASTERLY SIDE OF CAPITOL EXPRESSWAY AND THE SOUTHEASTERLY SIDE OF CUNNINGHAM AVENUE
825	1948180.57	6178780.24	122.47	FOUND CUT "X" ON THE RETURN LOCATED ON THE NORTHEASTERLY SIDE OF CAPITOL EXPRESSWAY AND THE SOUTHEASTERLY SIDE OF CUNNINGHAM AVENUE
5010	1952977.501	6178114.888		FOUND STANDARD CITY MONUMENT AT THE INTERSECTION OF FARRINGDON DRIVE AND WARRINGTON AVENUE PER TRACT 1410
7113	1951170.982	6179135.872		FOUND STANDARD CITY MONUMENT ALONG THE CENTERLINE OF MOSS POINT DRIVE APPROXIMATELY 130' SOUTHWESTERLY OF THE INTERSECTION WITH THE CENTERLINE OF FARRINGDON DRIVE
7216	1951500.065	6178997.452		FOUND STANDARD CITY MONUMENT AT THE INTERSECTION OF FARRINGDON DRIVE AND FARRINGDON COURT PER TRACT 4728
8003	1953803.366	6175158.547		FOUND STANDARD CITY MONUMENT AT THE INTERSECTION OF BAMBI LANE AND SINBAD AVENUE PER TRACT 2204
8009	1953685.234	6174545.193		FOUND STANDARD CITY MONUMENT AT THE INTERSECTION OF BAMBI LANE AND GALAHAD AVENUE PER TRACT 2204
8290	1953035.85	6173232.81	106.77	FOUND STANDARD CITY MONUMENT AT THE INTERSECTION OF JACKSON AVENUE WITH BAMBI LANE PER TRACT 2201
8296	1953821.867	6173725.883		FOUND STANDARD CITY MONUMENT AT THE BEGINNING OF THE CURVE ON DOBERN AVENUE APPROXIMATELY 305' WESTERLY OF THE 80' PG&E RIGHT–OF–WAY PER TRACT 2139
8297	1954015.168	6173961.367		FOUND STANDARD CITY MONUMENT AT THE INTERSECTION OF THE CENTERLINE OF DOBERN AVENUE WITH THE SOUTHWESTERLY RIGHT–OF–WAY LINE OF THE 80' WIDE PG&E EASEMENT PER TRACT 2139
8299	1953986.451	6174254.34		FOUND STANDARD CITY MONUMENT AT THE INTERSECTION OF PENDRAGON LANE AND PENROD PLACE PER TRACT 2204
8300	1954128.418	6174998.949		FOUND STANDARD CITY MONUMENT AT THE INTERSECTION OF PENDRAGON LANE AND EXCALIBUR DRIVE PER TRACT 2204

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

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05-18-10
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JS/CW
DRAWN
LW
CHECKED
CP

ENGINEERING CERTIFICATION
PROFESSIONAL LAND SURVEYOR ANDREW R. GRAYBER No. 8005 Exp. 12-31-10 STATE OF CALIFORNIA
5/18/10
PROJECT ENGINEER DATE

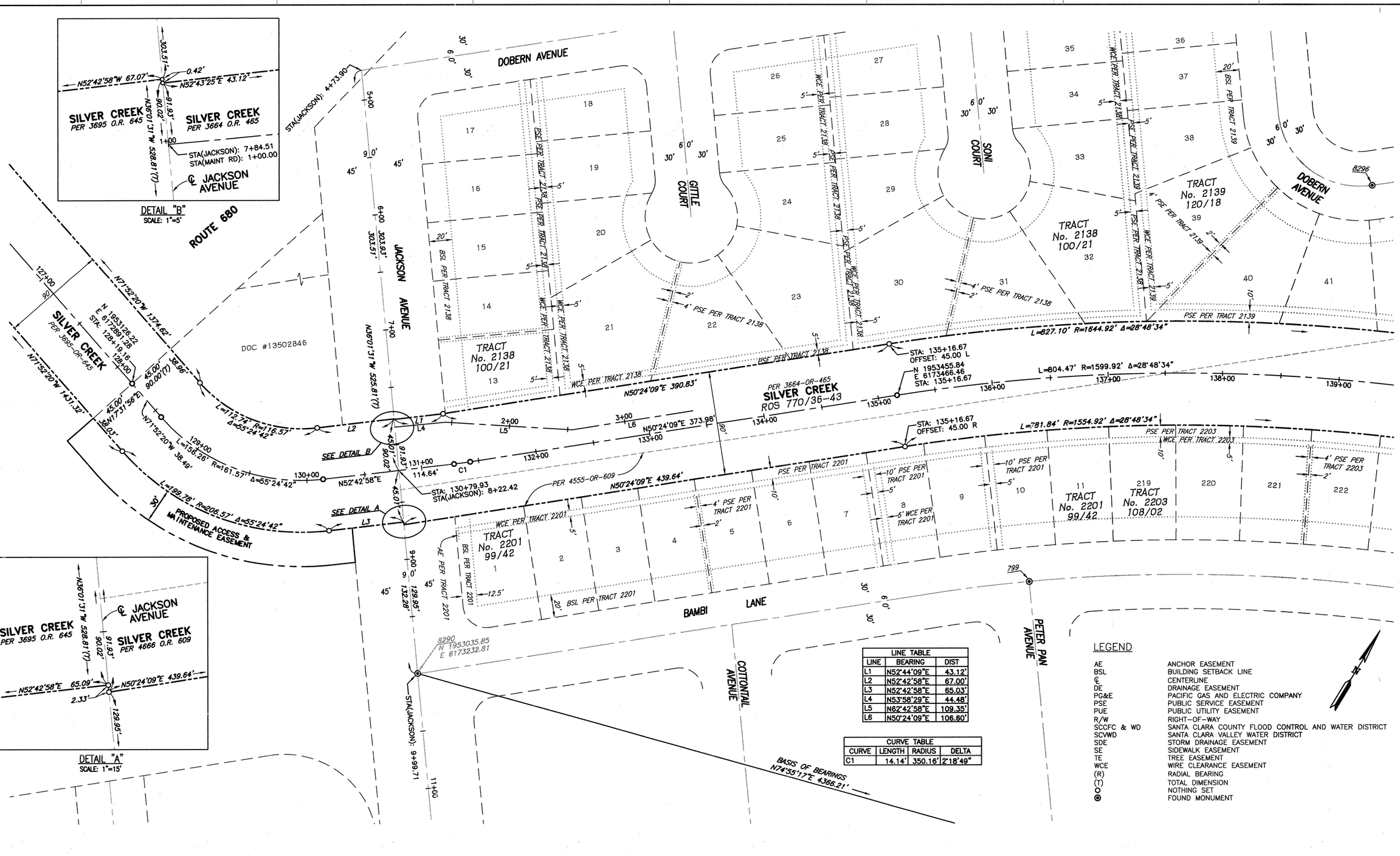
Santa Clara Valley Water District
ACCEPTED BY DISTRICT
Dennis Cheong 6/1/10
DATE

PROJECT NAME AND SHEET DESCRIPTION:
LOWER SILVER CREEK REACHES 4, 5 & 6A
SURVEY CONTROL MAP

SCALE: AS SHOWN
VERIFY SCALES: 0 1"
BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

PROJECT NUMBER: 40264008
SHEET CODE: SV-2
PAGE NUMBER: 64 OF 188

DOCUMENT NUMBER: CAD_XX-X-XXXX-XXXXX 4026-43053
USERNAME: achafer Thu 27 May 2010 04:41pm
FILENAME: W:\Jobs 09\09205\Drawings\Final\Plans\64 SV-2 SURVEY CONTROL MAP



LINE TABLE		
LINE	BEARING	DIST
L1	N52°44'09"E	43.12'
L2	N52°42'58"E	67.00'
L3	N52°42'58"E	65.03'
L4	N53°58'29"E	44.48'
L5	N62°42'58"E	109.35'
L6	N50°24'09"E	106.60'

CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
C1	14.14'	350.16'	2°18'49"

LEGEND

AE	ANCHOR EASEMENT
BSL	BUILDING SETBACK LINE
℄	CENTERLINE
DE	DRAINAGE EASEMENT
PG&E	PACIFIC GAS AND ELECTRIC COMPANY
PSE	PUBLIC SERVICE EASEMENT
PUE	PUBLIC UTILITY EASEMENT
R/W	RIGHT-OF-WAY
SCCFC & WD	SANTA CLARA COUNTY FLOOD CONTROL AND WATER DISTRICT
SCVWD	SANTA CLARA VALLEY WATER DISTRICT
SDE	STORM DRAINAGE EASEMENT
SE	SIDEWALK EASEMENT
TE	TREE EASEMENT
WCE	WIRE CLEARANCE EASEMENT
(R)	RADIAL BEARING
(T)	TOTAL DIMENSION
○	NOTHING SET
◉	FOUND MONUMENT

SCALE: 1"=40'

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

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DESIGN	JS/CW
DRAWN	LW
CHECKED	CP

ENGINEERING CERTIFICATION
PROFESSIONAL LAND SURVEYOR ANDREW S. CHEUNG No. 6005 Exp. 12-31-10 STATE OF CALIFORNIA
5/18/10
PROJECT ENGINEER DATE

Santa Clara Valley Water District
ACCEPTED BY DISTRICT
Dennis Cheung 6/1/10
DATE

PROJECT NAME AND SHEET DESCRIPTION:

LOWER SILVER CREEK REACHES 4, 5 & 6A

RIGHT-OF-WAY MAP

SCALE	PROJECT NUMBER
AS SHOWN	40264008
VERIFY SCALES 0 1" BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	SHEET CODE: R-1
	PAGE NUMBER: 65 OF 188

DOCUMENT NUMBER: CAD_XX-X-XXXX-XXXXX 4026-4305Y
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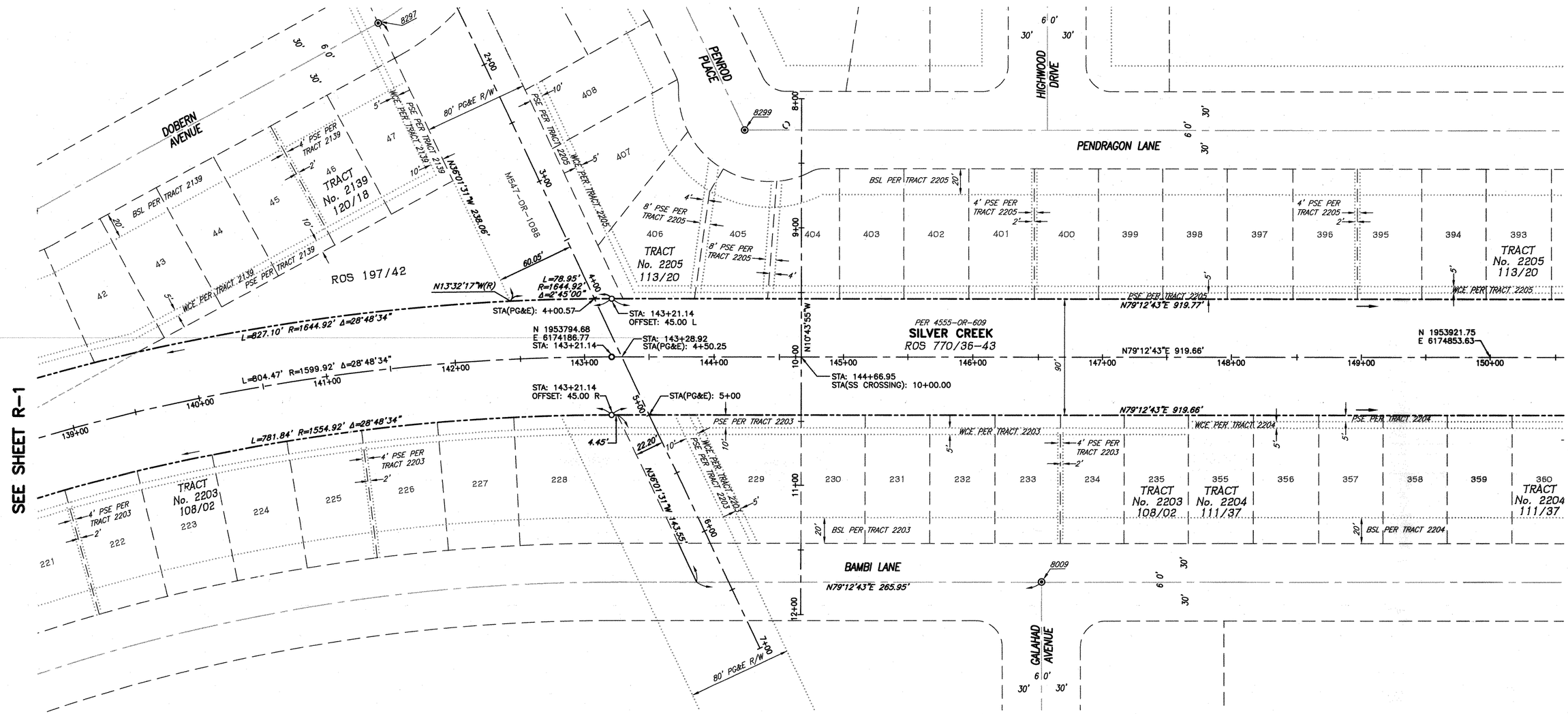

LEGEND

AE	ANCHOR EASEMENT
BSL	BUILDING SETBACK LINE
℄	CENTERLINE
DE	DRAINAGE EASEMENT
PG&E	PACIFIC GAS AND ELECTRIC COMPANY
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(R)	RADIAL BEARING
(T)	TOTAL DIMENSION
○	NOTHING SET
◉	FOUND MONUMENT

SCALE: 1"=40'

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

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CHECKED	CP

ENGINEERING CERTIFICATION
PROFESSIONAL LAND SURVEYOR LANDON S. CLARKE No. 8005 Exp. 12-31-10 STATE OF CALIFORNIA
PROJECT ENGINEER — DATE 5/18/10

Santa Clara Valley Water District
ACCEPTED BY DISTRICT
Dennis Cheung — DATE 6/1/10

PROJECT NAME AND SHEET DESCRIPTION:
LOWER SILVER CREEK REACHES 4, 5 & 6A
RIGHT-OF-WAY MAP

SCALE: AS SHOWN
VERIFY SCALES: 0 — 1"
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PROJECT NUMBER: 40264008
SHEET CODE: R-2
PAGE NUMBER: 66 OF 188

DOCUMENT NUMBER: CAD_XX-X-XXXX-XXXXX 9026-93055

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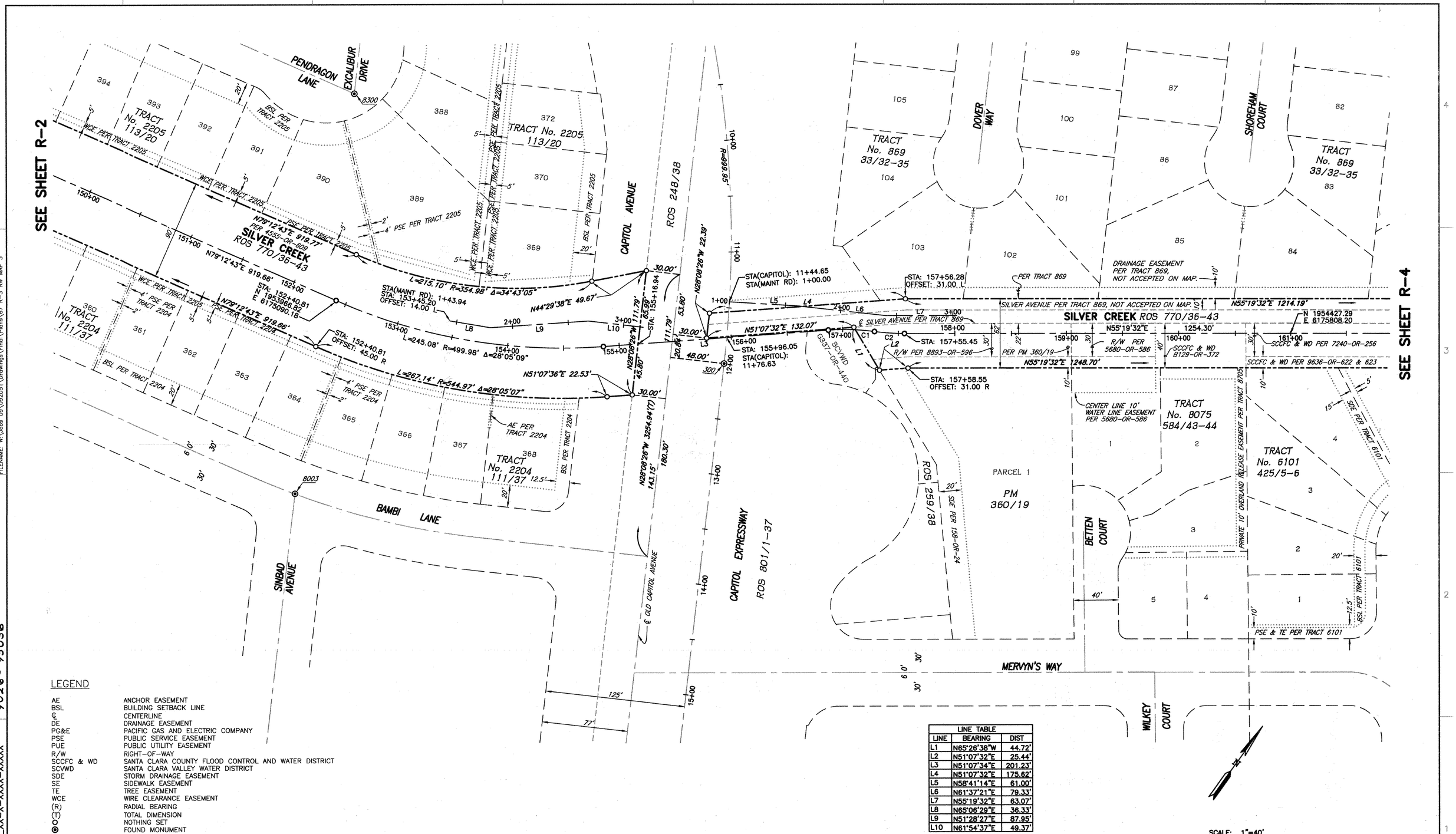

LEGEND

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TE	TREE EASEMENT
WCE	WIRE CLEARANCE EASEMENT
(R)	RADIAL BEARING
(T)	TOTAL DIMENSION
○	NOTHING SET
◉	FOUND MONUMENT

LINE TABLE

LINE	BEARING	DIST
L1	N65°26'38"W	44.72'
L2	N51°07'32"E	25.44'
L3	N51°07'34"E	201.23'
L4	N51°07'32"E	175.62'
L5	N58°41'14"E	61.00'
L6	N61°37'21"E	79.33'
L7	N55°19'32"E	63.07'
L8	N65°06'29"E	36.33'
L9	N51°28'27"E	87.95'
L10	N61°54'37"E	49.37'

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

RJA RUGGERI-JENSEN-AZAR ENGINEERS • PLANNERS • SURVEYORS 5050 CAMINO ARROYO GILROY, CA 95020 PHONE: (408) 848-3300 FAX: (408) 848-3302

DATE	05-18-10
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CHECKED	CP

ENGINEERING CERTIFICATION
PROFESSIONAL LAND SURVEYOR JAMES S. CAMPBELL No. 6005 Exp. 12-31-10 STATE OF CALIFORNIA
PROJECT ENGINEER — DATE 5/18/10

Santa Clara Valley Water District
ACCEPTED BY DISTRICT
Dennis Cheong 6/1/10
DATE

PROJECT NAME AND SHEET DESCRIPTION:

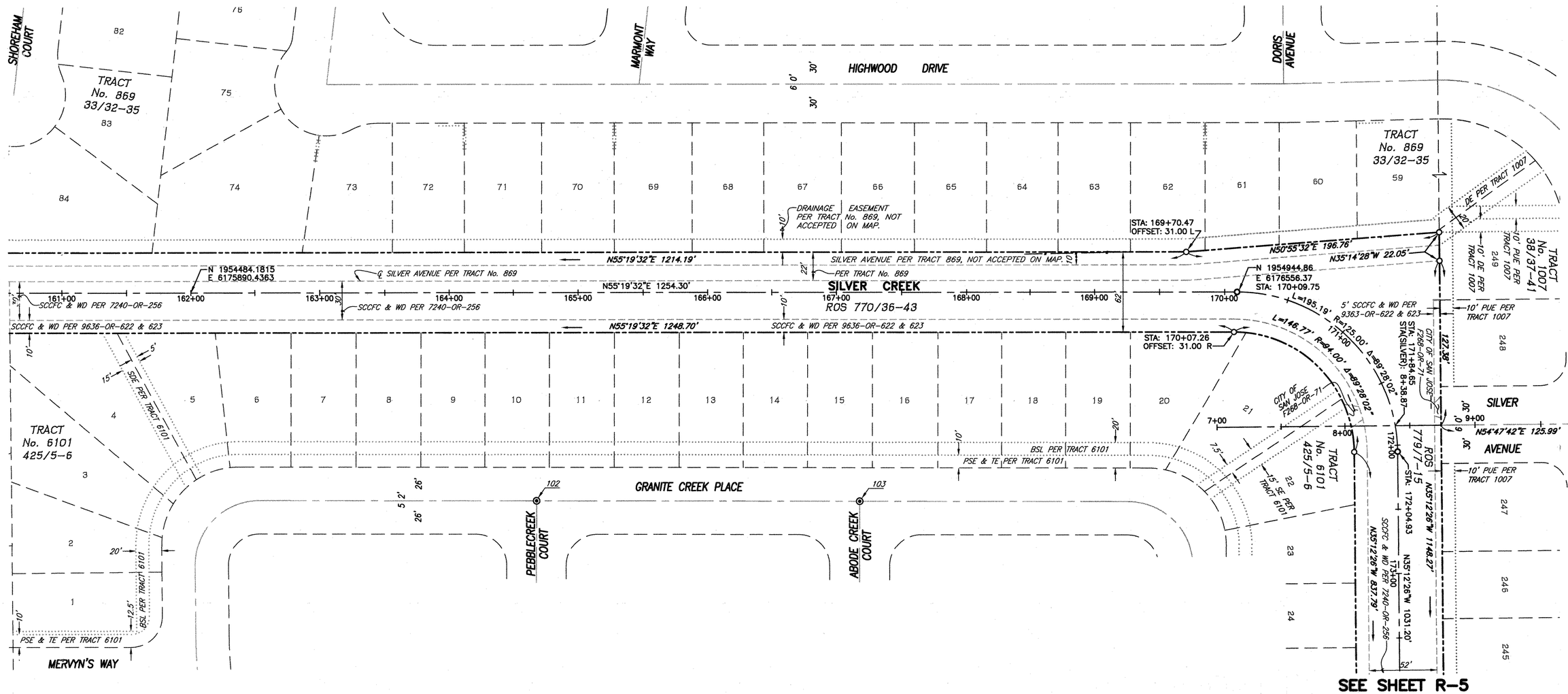
LOWER SILVER CREEK REACHES 4, 5 & 6A

RIGHT-OF-WAY MAP

SCALE	PROJECT NUMBER
AS SHOWN	40264008
VERIFY SCALES 0 — 1" BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	SHEET CODE: R-3
	PAGE NUMBER: 67 OF 188

DOCUMENT NUMBER: CAD_XX-X-XXXX-XXXXX 40264-43056

USERNAME: achafer Thu 27 May 2010 04:43pm
FILENAME: W:\Jobs 09\09205\Drawings\Final\Plans\67 R-3 RW MAP 3



LEGEND

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(R)	RADIAL BEARING
(T)	TOTAL DIMENSION
○	NOTHING SET
◉	FOUND MONUMENT

SCALE: 1"=40'

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

RJA RUGGERI-JENSEN-AZAR ENGINEERS • PLANNERS • SURVEYORS

DATE 05-18-10 | DESIGN JS/CW | DRAWN LW | CHECKED CP

ENGINEERING CERTIFICATION: PROFESSIONAL LAND SURVEYOR No. 6005 Exp. 12-31-10 STATE OF CALIFORNIA — 5/18/10

PROJECT ENGINEER DATE

Santa Clara Valley Water District

ACCEPTED BY DISTRICT: Dennis Cheung 6/1/10 DATE

PROJECT NAME AND SHEET DESCRIPTION:

LOWER SILVER CREEK REACHES 4, 5 & 6A

RIGHT-OF-WAY MAP

SCALE: AS SHOWN

VERIFY SCALES: 0 — 1" BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

PROJECT NUMBER: 40264008

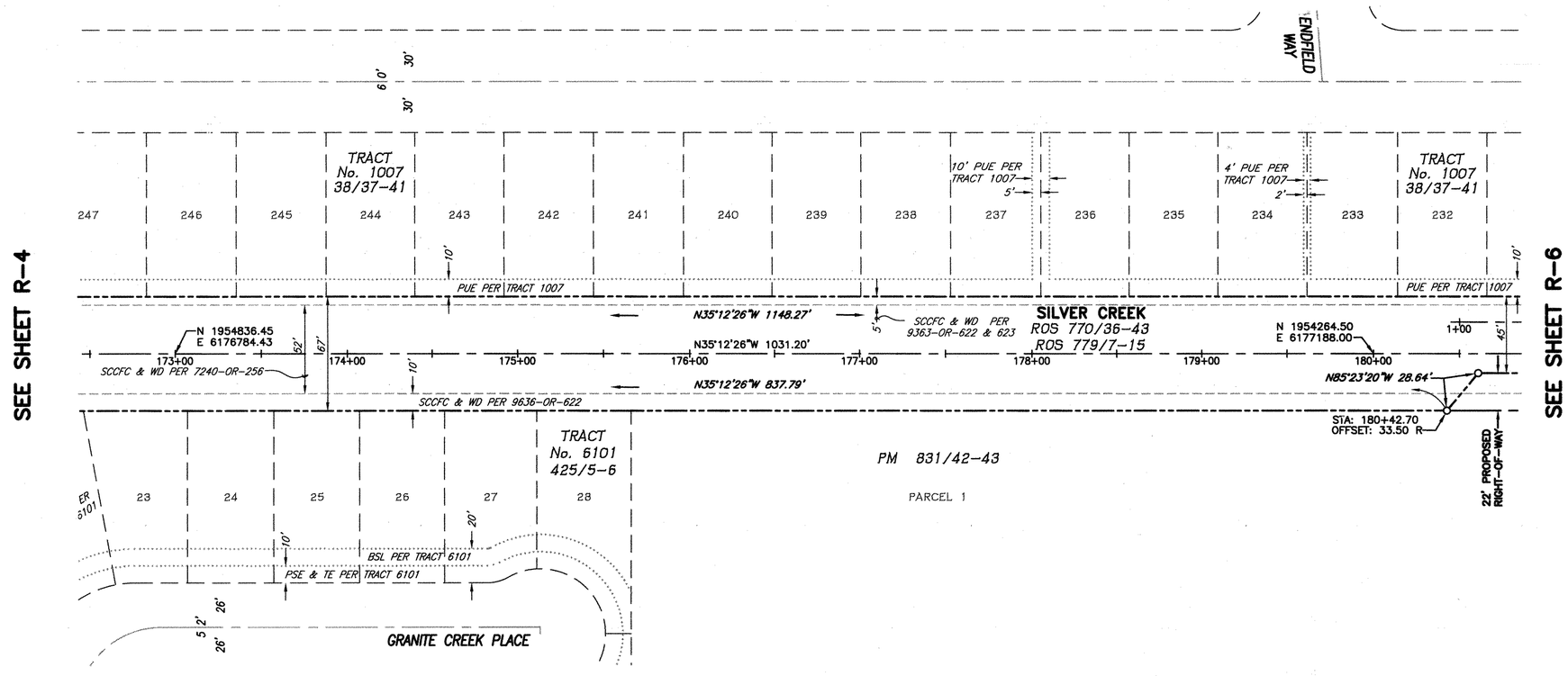
SHEET CODE: R-4

PAGE NUMBER: 68 OF 188

DOCUMENT NUMBER: CAD_XX-X-XXXX-XXXXX

4026-43057

USERNAME: achafer Thu 27 May 2010 04:44pm
FILENAME: W:\Jobs 09\09205\Drawings\Final\Plans\68 R-4 RW MAP 4



LEGEND

AE	ANCHOR EASEMENT
BSL	BUILDING SETBACK LINE
℄	CENTERLINE
DE	DRAINAGE EASEMENT
PG&E	PACIFIC GAS AND ELECTRIC COMPANY
PSE	PUBLIC SERVICE EASEMENT
PUE	PUBLIC UTILITY EASEMENT
R/W	RIGHT-OF-WAY
SCCFC & WD	SANTA CLARA COUNTY FLOOD CONTROL AND WATER DISTRICT
SCVWD	SANTA CLARA VALLEY WATER DISTRICT
SDE	STORM DRAINAGE EASEMENT
SE	SIDEWALK EASEMENT
TE	TREE EASEMENT
WCE	WIRE CLEARANCE EASEMENT
(R)	RADIAL BEARING
(T)	TOTAL DIMENSION
○	NOTHING SET
⊙	FOUND MONUMENT

SCALE: 1"=40'

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

RJA
RUGGERI-JENSEN-AZAR
ENGINEERS • PLANNERS • SURVEYORS
5005 CAMINO ARROYO GILROY, CA 95020
PHONE: (408) 848-5300 FAX: (408) 848-5302

DATE	05-18-10
DESIGN	JS/CW
DRAWN	LW
CHECKED	CP

ENGINEERING CERTIFICATION
PROFESSIONAL LAND SURVEYOR ANDREW S. CHAFFEE No. 8005 Exp. 12-31-10 STATE OF CALIFORNIA
PROJECT ENGINEER 5/18/10 DATE

Santa Clara Valley Water District
ACCEPTED BY DISTRICT
Dennis Cheung 6/1/10
DATE

PROJECT NAME AND SHEET DESCRIPTION:

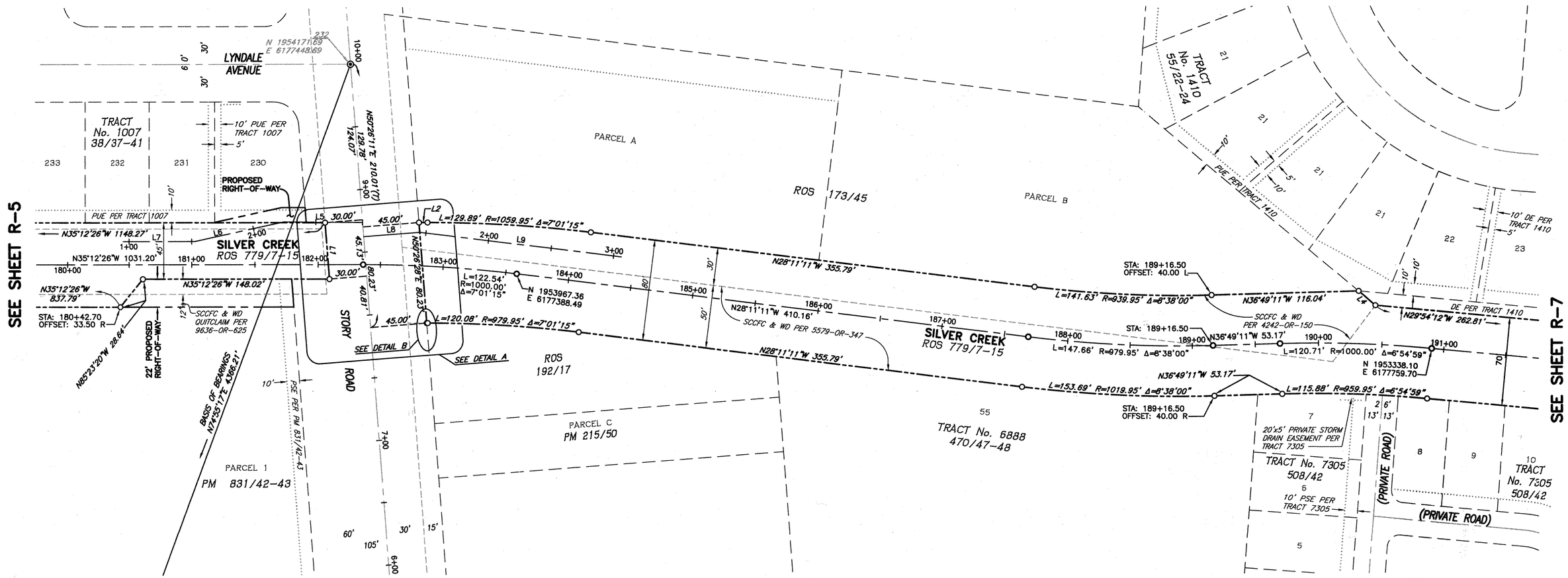
LOWER SILVER CREEK REACHES 4, 5 & 6A

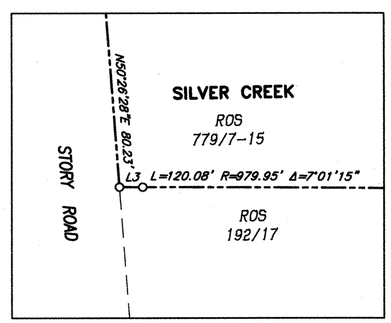
RIGHT-OF-WAY MAP

SCALE	PROJECT NUMBER
AS SHOWN	40264008
VERIFY SCALES 0 1" BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	SHEET CODE: R-5
	PAGE NUMBER: 69 OF 188

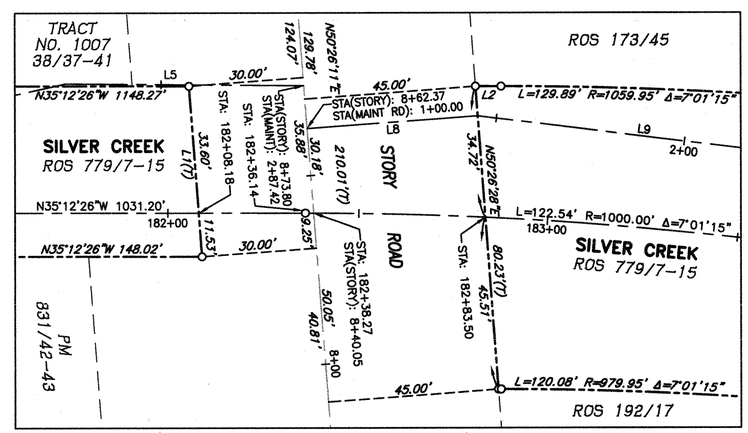
DOCUMENT NUMBER: CAD_XX-X-XXXX-XXXXX 9026 - 93058

USERNAME: achafer Thu 27 May 2010 04:46pm
FILENAME: W:\Jobs 09\092051\Drawings\Final\Plans\69 R-5 RW MAP 5





DETAIL "B"
NOT TO SCALE



DETAIL "A"
SCALE: 1"=20'

LINE TABLE		
LINE	BEARING	DIST
L1	N50°26'28"E	45.13'
L2	N35°12'26"W	6.82'
L3	N35°12'26"W	0.73'
L4	N04°51'58"E	17.54'
L5	N34°47'21"W	62.88'
L6	N47°43'22"W	72.03'
L7	N35°12'26"W	57.33'
L8	N39°33'32"W	44.89'
L9	N28°11'11"W	161.42'

SCALE: 1"=40'

LEGEND

AE	ANCHOR EASEMENT
BSL	BUILDING SETBACK LINE
℄	CENTERLINE
DE	DRAINAGE EASEMENT
PG&E	PACIFIC GAS AND ELECTRIC COMPANY
PSE	PUBLIC SERVICE EASEMENT
PUE	PUBLIC UTILITY EASEMENT
R/W	RIGHT-OF-WAY
SCCFC & WD	SANTA CLARA COUNTY FLOOD CONTROL AND WATER DISTRICT
SCVWD	SANTA CLARA VALLEY WATER DISTRICT
SDE	STORM DRAINAGE EASEMENT
SE	SIDEWALK EASEMENT
TE	TREE EASEMENT
WCE	WIRE CLEARANCE EASEMENT
(R)	RADIAL BEARING
(T)	TOTAL DIMENSION
○	NOTHING SET
◉	FOUND MONUMENT

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

RJA RUGGERI-JENSEN-AZAR
ENGINEERS • PLANNERS • SURVEYORS
5620 CAMINO ARROYO GILROY, CA 95020
PHONE: (408) 848-3200 FAX: (408) 848-3202

DATE	DESIGN	DRAWN	CHECKED
05-18-10	JS/CW	LW	CP

ENGINEERING CERTIFICATION
PROFESSIONAL LAND SURVEYOR ANDREW G. CERVER No. 8005 Exp. 12-31-10 STATE OF CALIFORNIA
PROJECT ENGINEER 5/18/10 DATE

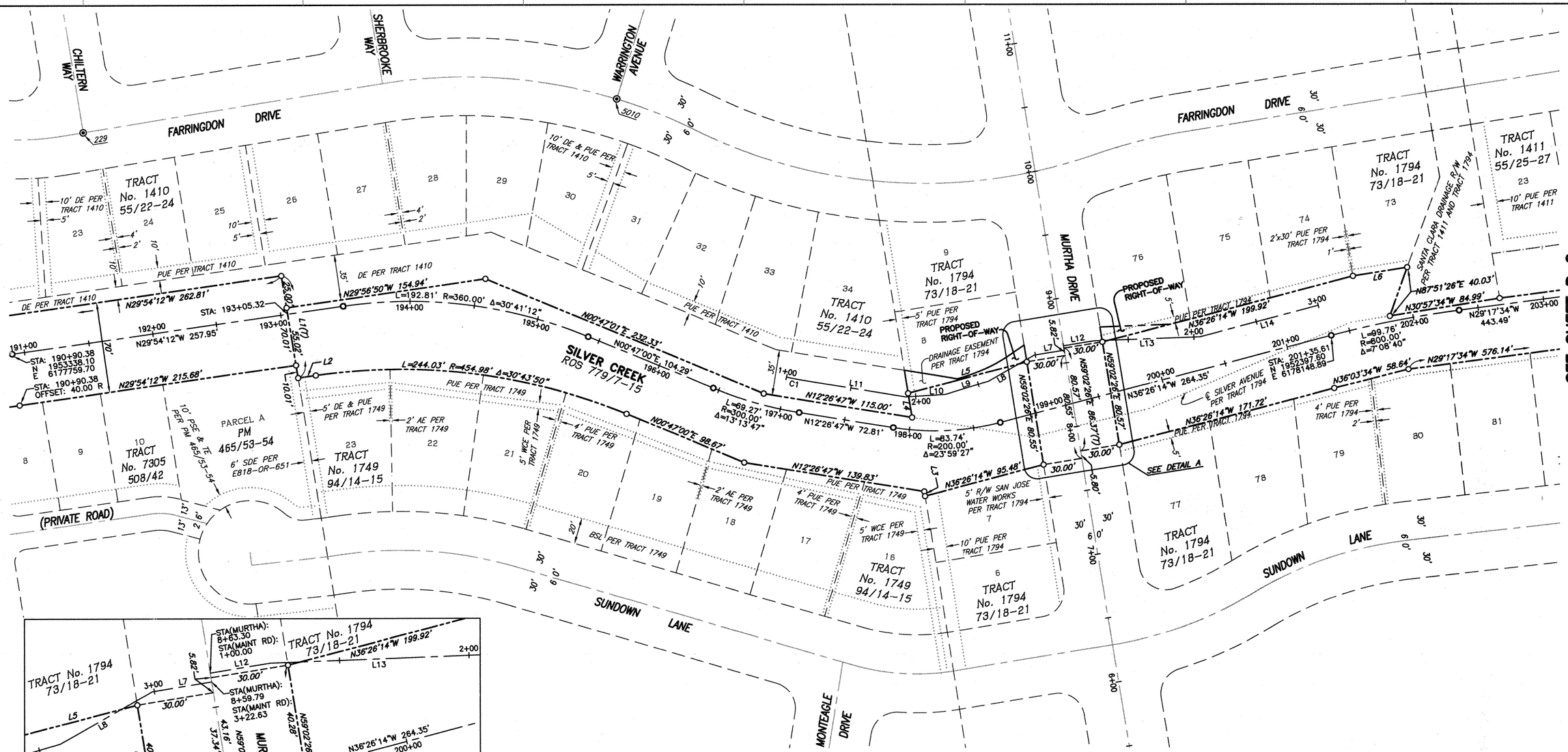
Santa Clara Valley Water District
ACCEPTED BY DISTRICT
Dennis Cheong 6/1/10
DATE

PROJECT NAME AND SHEET DESCRIPTION:
LOWER SILVER CREEK REACHES 4, 5 & 6A
RIGHT-OF-WAY MAP

SCALE: AS SHOWN
VERIFY SCALES 0 1"
BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

PROJECT NUMBER: 40264008
SHEET CODE: R-6
PAGE NUMBER: 70 OF 188

DOCUMENT NUMBER: CAD_XX-X-XXXX-XXXXX 4026-43059
USERNAME: achafer Thu 27 May 2010 04:45pm
FILENAME: W:\Jobs 09\09235\Drawings\Final\Plans\70 R-6 RW MAP 6



LINE TABLE		
LINE	BEARING	DIST
L1	S59°02'56"W	80.02'
L2	N29°56'50"W	13.72'
L3	N59°02'26"E	3.57'
L4	N59°02'26"E	18.90'
L5	N36°26'14"W	95.48'
L6	N30°57'34"W	42.10'
L7	N30°57'34"W	23.49'
L8	N51°17'51"W	40.80'
L9	N38°17'51"W	35.29'
L10	N25°17'51"W	30.74'
L11	N12°26'47"W	78.34'
L12	N30°57'34"W	23.54'
L13	N23°55'48"W	81.03'
L14	N36°26'14"W	95.43'

LEGEND

AE	ANCHOR EASEMENT
BSL	BUILDING SETBACK LINE
℄	CENTERLINE
DE	DRAINAGE EASEMENT
PG&E	PACIFIC GAS AND ELECTRIC COMPANY
PSE	PUBLIC SERVICE EASEMENT
PUE	PUBLIC UTILITY EASEMENT
R/W	RIGHT-OF-WAY
SCCFC & WD	SANTA CLARA COUNTY FLOOD CONTROL AND WATER DISTRICT
SCVWD	SANTA CLARA VALLEY WATER DISTRICT
SDE	STORM DRAINAGE EASEMENT
SE	SIDEWALK EASEMENT
TE	TREE EASEMENT
WCE	WIRE CLEARANCE EASEMENT
(R)	RADIAL BEARING
(T)	TOTAL DIMENSION
○	NOTHING SET
◉	FOUND MONUMENT

DETAIL "A"
SCALE: 1"=20'

SCALE: 1"=40'

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

RJA
RUGGERI-JENSEN-AZAR
ENGINEERS • PLANNERS • SURVEYORS
5000 CHUBBS ARROYO GILROY, CA 95020
PHONE: (408) 848-4200 FAX: (408) 848-4201

DATE	05-18-10
DESIGN	JS/CW
DRAWN	LW
CHECKED	CP

ENGINEERING CERTIFICATION
PROFESSIONAL LAND SURVEYOR ANDREW S. GRAPER No. 8005 Exp. 12-31-10 STATE OF CALIFORNIA
5/18/10
PROJECT ENGINEER DATE

Santa Clara Valley Water District
ACCEPTED BY DISTRICT
Dennis Chong 6/1/10
DATE

PROJECT NAME AND SHEET DESCRIPTION:
LOWER SILVER CREEK REACHES 4, 5 & 6A
RIGHT-OF-WAY MAP

SCALE	PROJECT NUMBER
AS SHOWN	40264008

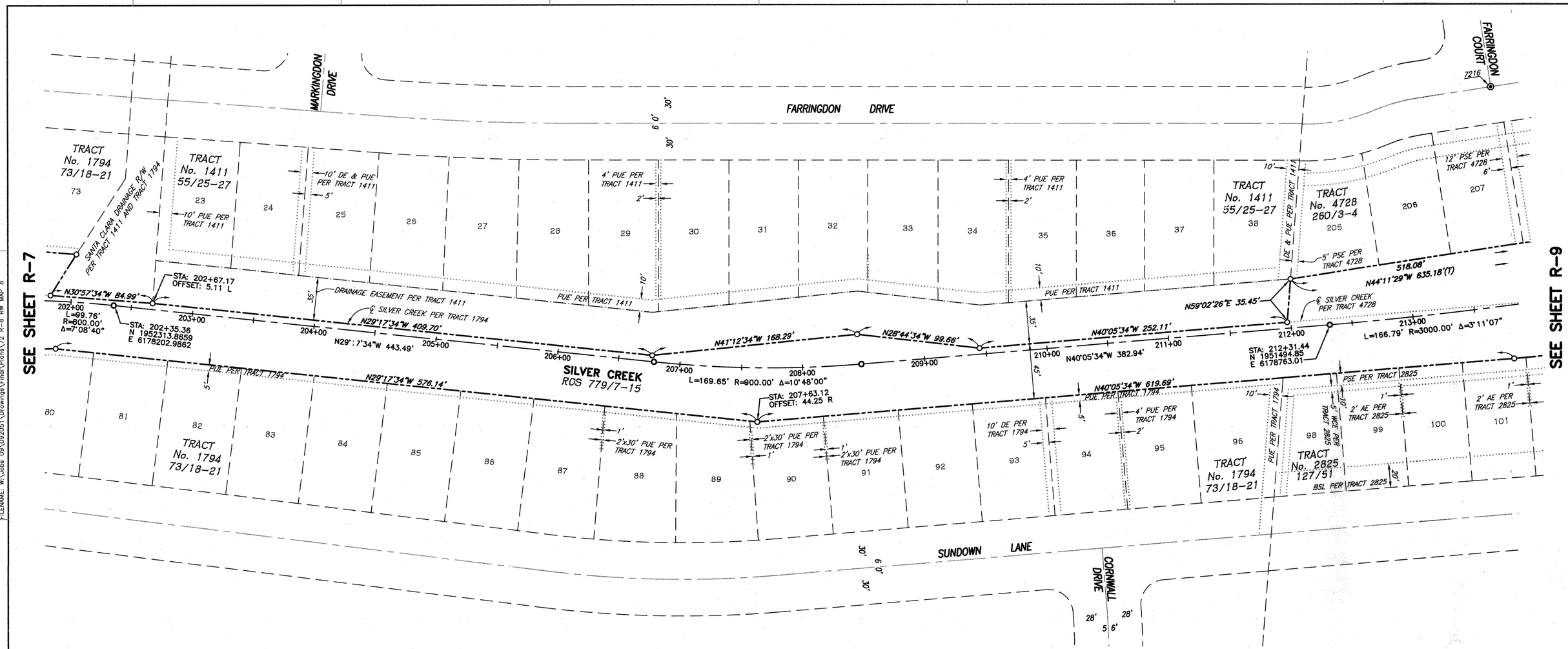
VERIFY SCALES
0 1"
BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

SHEET CODE: R-7

PAGE NUMBER: 71 OF 188

DOCUMENT NUMBER: CAD_XX-X-XXXX-XXXXX 4026 - 43060

USERNAME: achafer Thu 27 May 2010 04:47pm
FILENAME: W:\Jobs 09\09205\Drawings\Final\Plans\71 R-7 RW MAP 7



LEGEND

AE	ANCHOR EASEMENT
BSL	BUILDING SETBACK LINE
℄	CENTERLINE
DE	DRAINAGE EASEMENT
PG&E	PACIFIC GAS AND ELECTRIC COMPANY
PSE	PUBLIC SERVICE EASEMENT
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SDE	STORM DRAINAGE EASEMENT
SE	SIDEWALK EASEMENT
TE	TREE EASEMENT
WCE	WIRE CLEARANCE EASEMENT
(R)	RADIAL BEARING
(T)	TOTAL DIMENSION
○	NOTHING SET
◉	FOUND MONUMENT

SCALE: 1"=40'

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

RJA
RUGGERI-JENSEN-AZAR
ENGINEERS • PLANNERS • SURVEYORS
5050 CAMINO ARROYO GILROY, CA 95020
PHONE: (408) 848-2200 FAX: (408) 848-2202

DATE	
05-18-10	
DESIGN	JS/CW
DRAWN	LW
CHECKED	CP

ENGINEERING CERTIFICATION
PROFESSIONAL LAND SURVEYOR ANDREW S. DRAPER No. 8005 Exp. 12-31-10 STATE OF CALIFORNIA
PROJECT ENGINEER — DATE 5/18/10

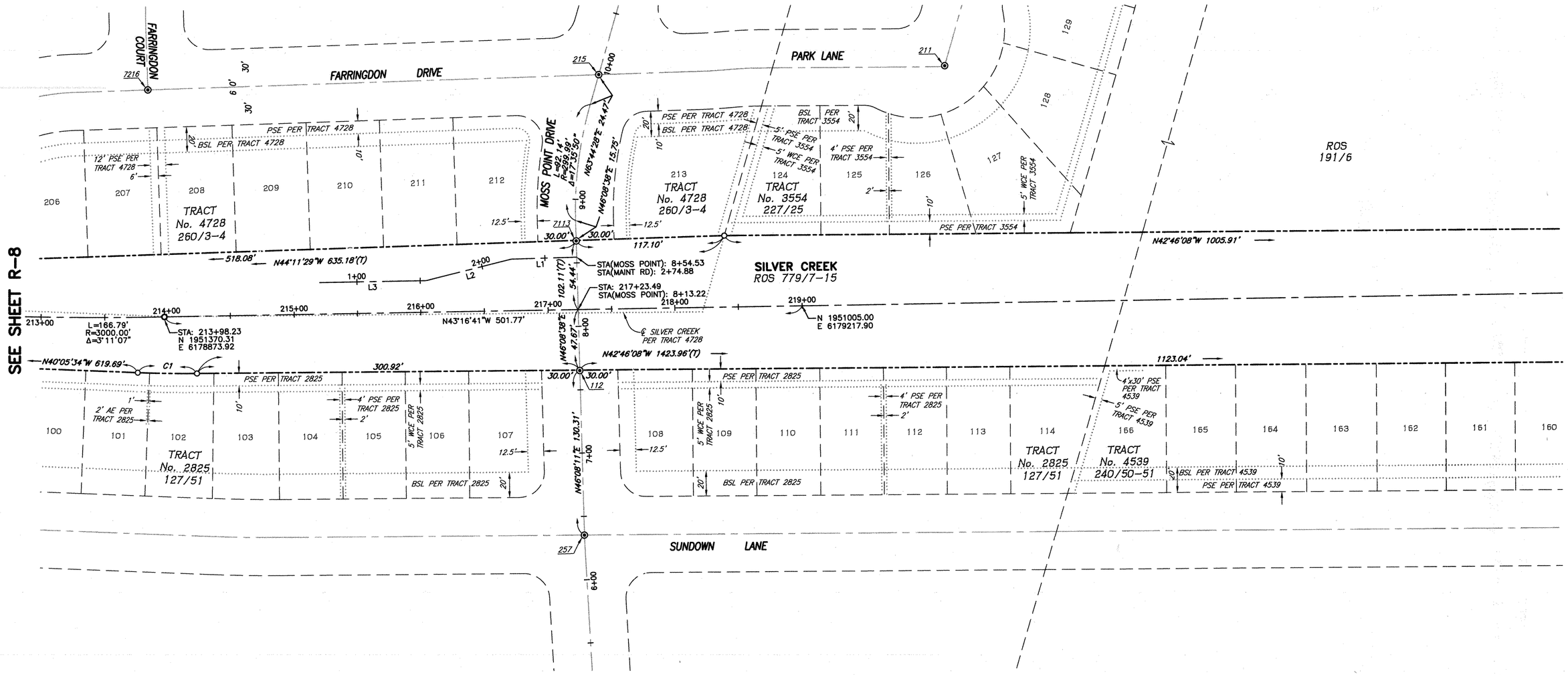
Santa Clara Valley Water District
ACCEPTED BY DISTRICT
Dennis Chang — DATE 6/1/10

PROJECT NAME AND SHEET DESCRIPTION:
LOWER SILVER CREEK REACHES 4, 5 & 6A
RIGHT-OF-WAY MAP

SCALE: AS SHOWN
VERIFY SCALES 0 1"
BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

PROJECT NUMBER: 40264008
SHEET CODE: R-8
PAGE NUMBER: 72 OF 188

DOCUMENT NUMBER: CAD_XX-X-XXXX-XXXXX
4026-43061
USERNAME: achafer Thu 27 May 2010 04:48pm
FILENAME: W:\Jobs 09\09205\Drawings\Final\Plans\72 R-8 RW MAP 8



LEGEND

AE	ANCHOR EASEMENT
BSL	BUILDING SETBACK LINE
℄	CENTERLINE
DE	DRAINAGE EASEMENT
PG&E	PACIFIC GAS AND ELECTRIC COMPANY
PSE	PUBLIC SERVICE EASEMENT
PUE	PUBLIC UTILITY EASEMENT
R/W	RIGHT-OF-WAY
SCCFC & WD	SANTA CLARA COUNTY FLOOD CONTROL AND WATER DISTRICT
SCVWD	SANTA CLARA VALLEY WATER DISTRICT
SDE	STORM DRAINAGE EASEMENT
SE	SIDEWALK EASEMENT
TE	TREE EASEMENT
WCE	WIRE CLEARANCE EASEMENT
(R)	RADIAL BEARING
(T)	TOTAL DIMENSION
○	NOTHING SET
◉	FOUND MONUMENT

LINE TABLE

LINE	BEARING	DIST
L1	N44°00'30"W	51.05'
L2	N56°24'15"W	68.94'
L3	N43°16'41"W	84.36'

CURVE TABLE

CURVE	LENGTH	RADIUS	DELTA
C1	46.70'	999.95'	2°40'34"

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

RJA
RUGGERI-JENSEN-AZAR
ENGINEERS • PLANNERS • SURVEYORS
2000 CAMINO RAMON SUITE 200 DANVILLE, CA 94526
PHONE: (925) 838-0200 FAX: (925) 838-0202

DATE 05-18-10
DESIGN JS/CW
DRAWN LW
CHECKED CP

ENGINEERING CERTIFICATION
PROFESSIONAL LAND SURVEYOR LANDON S. CHAPPE No. 8005 Exp. 12-31-10 STATE OF CALIFORNIA
5/18/10
PROJECT ENGINEER DATE

Santa Clara Valley Water District
ACCEPTED BY DISTRICT
Dennis Chesney 6/1/10
DATE

PROJECT NAME AND SHEET DESCRIPTION:
LOWER SILVER CREEK REACHES 4, 5 & 6A
RIGHT-OF-WAY MAP

SCALE: AS SHOWN
VERIFY SCALES 0 1"
BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

PROJECT NUMBER 40264008
SHEET CODE: R-9
PAGE NUMBER: 73 OF 188

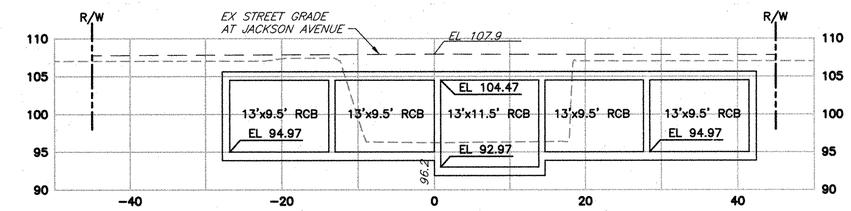
DOCUMENT NUMBER: CAD_XX-X-XXXX-XXXXX 4026-43062

USERNAME: ochafer Thu 27 May 2010 04:48pm
FILENAME: W:\Jobs 09\09205\Drawings\Final\Plans\73 R-9 RW MAP 9

SEE SHEET 15 FOR PLAN AND PROFILE VIEW

ELEVATION DESCRIPTIONS

(1) FLOWLINE CREEK
(2) ELEVATION AT TOP OF SEDIMENT TRANSPORT CHANNEL
(3) EXISTING ELEVATION AT R/W OR TOP OF SLOPE
(4) TOP OF FLOODWALL ELEVATION
(5) ELEVATION AT BACK OF WALL
(6) ELEVATION AT TOP OF 1.5:1 SLOPE



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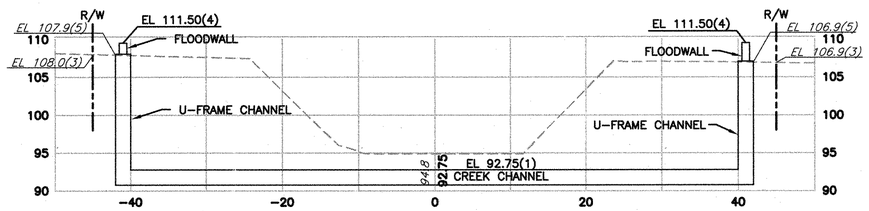

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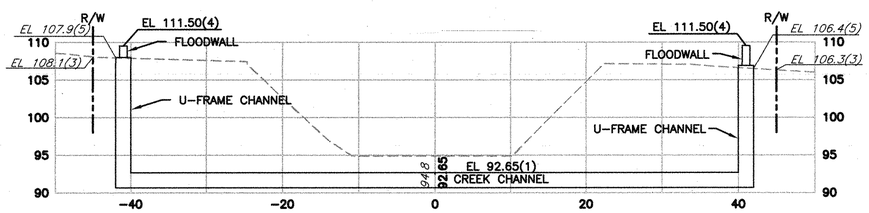

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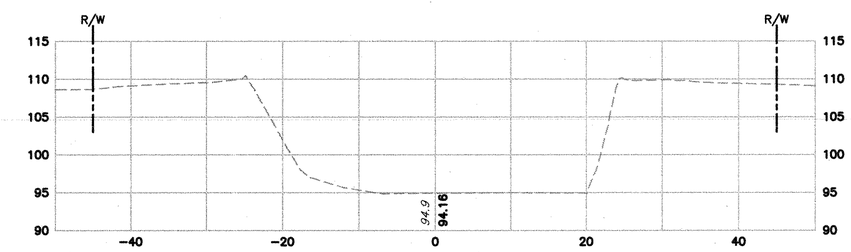
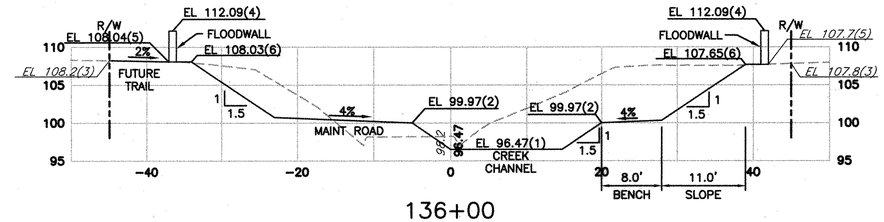


128+00

LOOKING UPSTREAM



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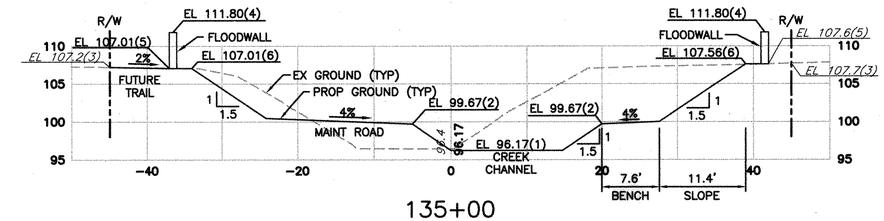

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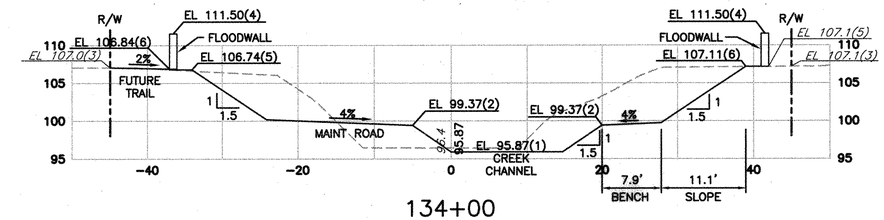

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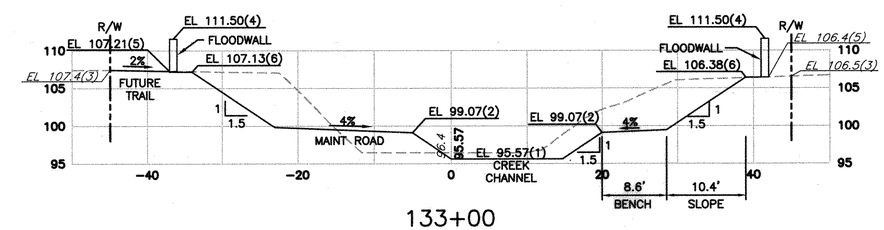

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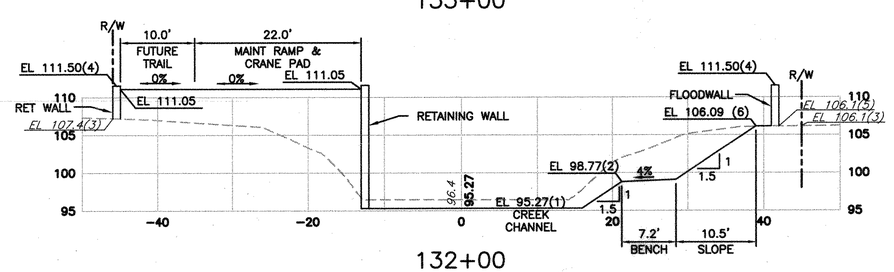


132+00

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

RJA
RUGGERI-JENSEN-AZAR
ENGINEERS • PLANNERS • SURVEYORS
5005 CAMINO ARROYO GILROY, CA 95020
PHONE: (408) 848-5300 FAX: (408) 848-5301

DATE 05-18-10
DESIGN JS/CW
DRAWN LW
CHECKED CP

ENGINEERING CERTIFICATION
REGISTERED PROFESSIONAL ENGINEER
STEVEN A. JENSEN
No. 31872
CIVIL
STATE OF CALIFORNIA
5/18/10
PROJECT ENGINEER DATE

Santa Clara Valley Water District
ACCEPTED BY DISTRICT
Dennis Cheong 6/1/10
DATE

PROJECT NAME AND SHEET DESCRIPTION:
LOWER SILVER CREEK REACHES 4, 5 & 6A
CHANNEL CROSS-SECTIONS STA 128+00 TO 136+00

SCALE 1"=10' H 1"=10' V
VERIFY SCALES 0 1"
BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

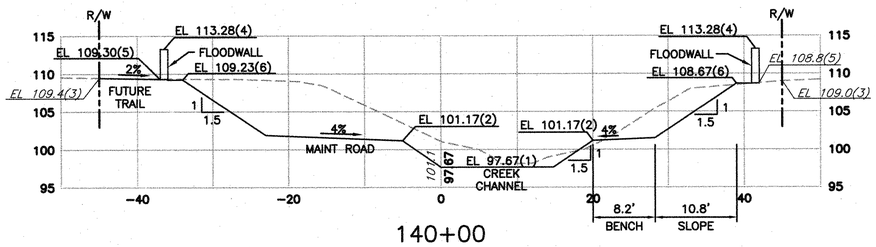
PROJECT NUMBER 40264008
SHEET CODE: X-1
PAGE NUMBER: 74 OF 188

DOCUMENT NUMBER: CAD_XX-X-XXXX-XXXXX 9026-93063
USERNAME: cwright Wed 19 May 2010 02:09pm
FILENAME: W:\Jobs 09\09203\Drawings\Final\Plans\74 X-1 CHANN X-SECT 1

SEE SHEET 16 FOR PLAN AND PROFILE VIEW

ELEVATION DESCRIPTIONS

(1) FLOWLINE CREEK
(2) ELEVATION AT TOP OF SEDIMENT TRANSPORT CHANNEL
(3) EXISTING ELEVATION AT R/W OR TOP OF SLOPE
(4) TOP OF FLOODWALL ELEVATION
(5) ELEVATION AT BACK OF WALL
(6) ELEVATION AT TOP OF 1.5:1 SLOPE



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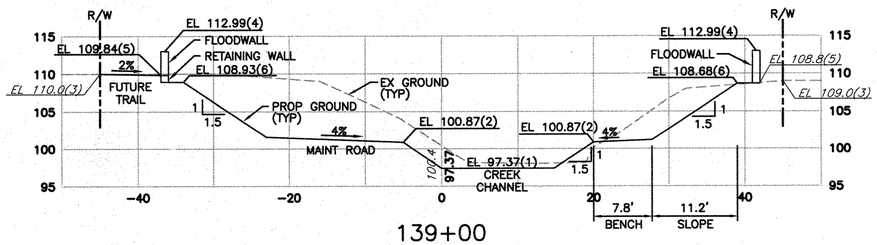

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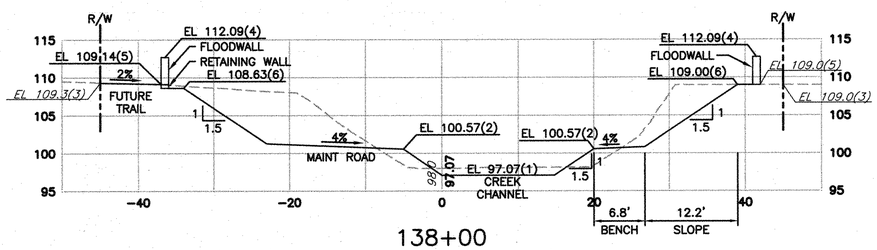

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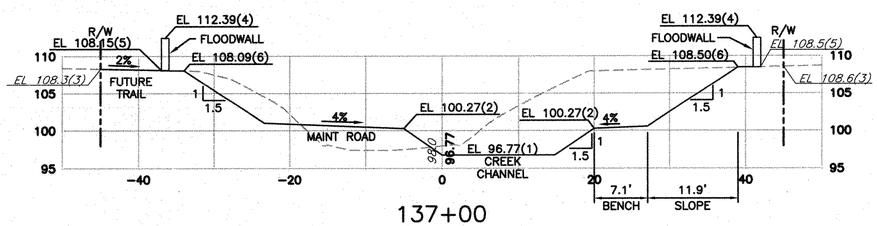

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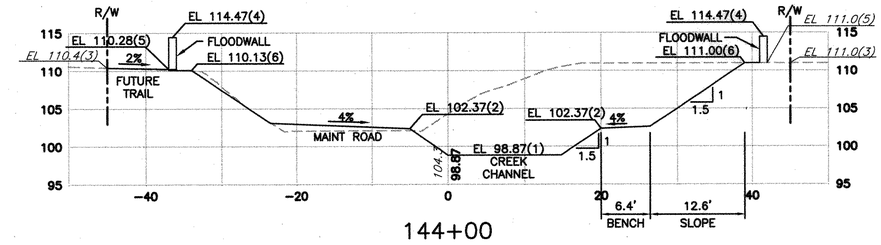
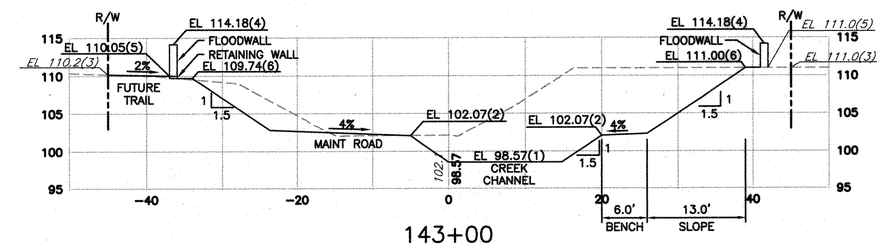


144+00



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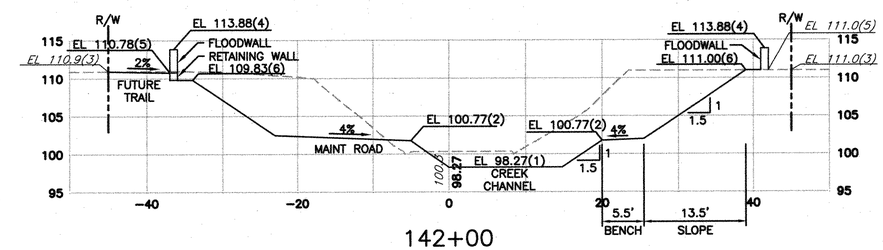
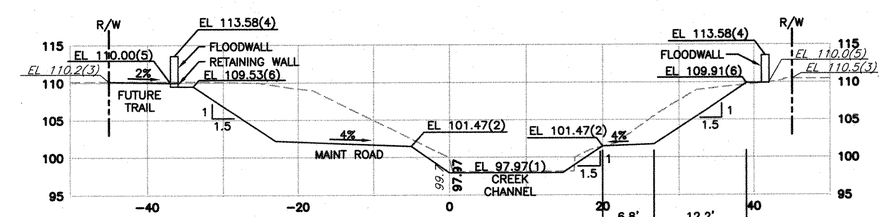


142+00



141+00

LOOKING UPSTREAM

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

RJA
RUGGERI-JENSEN-AZAR
ENGINEERS • PLANNERS • SURVEYORS
825 CHARRO AVENUE SILOAM, CA 95060
PHONE (408) 848-0300 FAX (408) 848-0301

DATE	ENGINEERING CERTIFICATION
05-18-10	
DESIGN JS/CW	
DRAWN LW	
CHECKED CP	5/18/10
	PROJECT ENGINEER DATE

Santa Clara Valley Water District

ACCEPTED BY DISTRICT

Dennis Cheung 6/1/10

DATE

PROJECT NAME AND SHEET DESCRIPTION:

LOWER SILVER CREEK REACHES 4, 5 & 6A

CHANNEL CROSS-SECTIONS STA 137+00 TO 144+00

SCALE 1"=10' H 1"=10' V

VERIFY SCALES 0 1"

BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

PROJECT NUMBER 40264008

SHEET CODE: X-2

PAGE NUMBER: 75 OF 188

DOCUMENT NUMBER: CAD_XX-X-XXXX-XXXXX

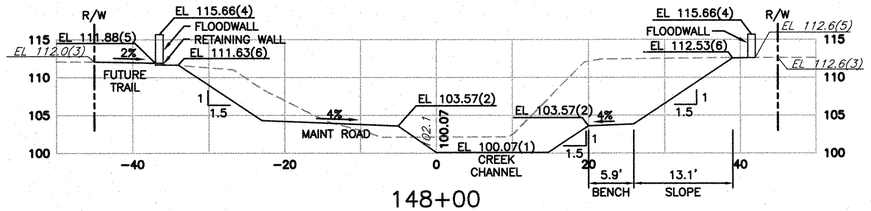
4026 - 43064

USERNAME: cwright Wed 19 May 2010 02:08pm
FILENAME: W:\Jobs 09\092051\Drawings\Final\Plans\75 X-2 CHANN X-SECT 2

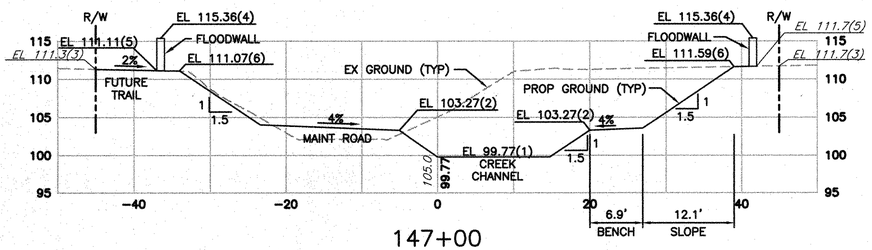
SEE SHEETS 17 & 18 FOR PLAN AND PROFILE VIEW

ELEVATION DESCRIPTIONS

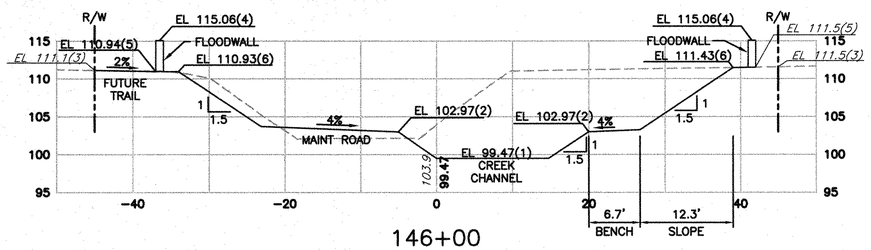
(1) FLOWLINE CREEK
(2) ELEVATION AT TOP OF SEDIMENT TRANSPORT CHANNEL
(3) EXISTING ELEVATION AT R/W OR TOP OF SLOPE
(4) TOP OF FLOODWALL ELEVATION
(5) ELEVATION AT BACK OF WALL
(6) ELEVATION AT TOP OF 1.5:1 SLOPE



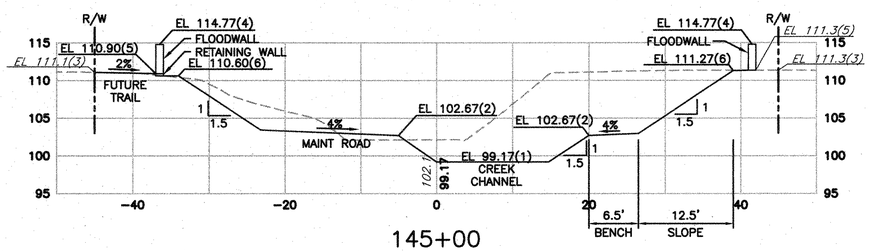
148+00



147+00



146+00



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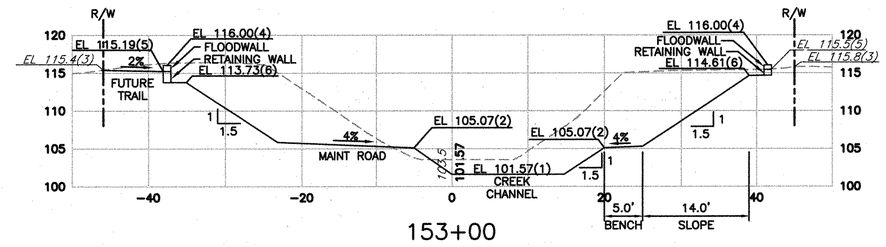

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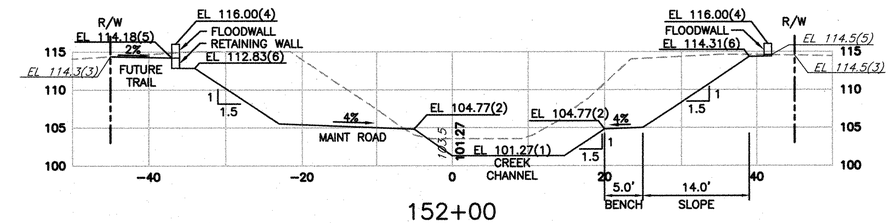

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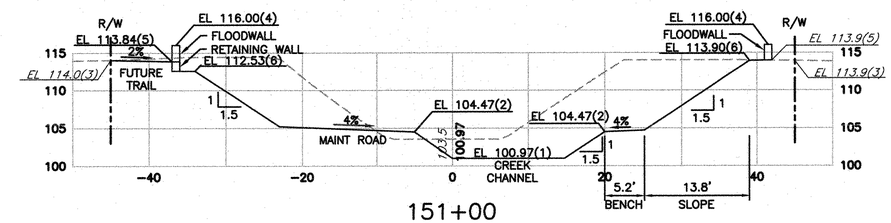

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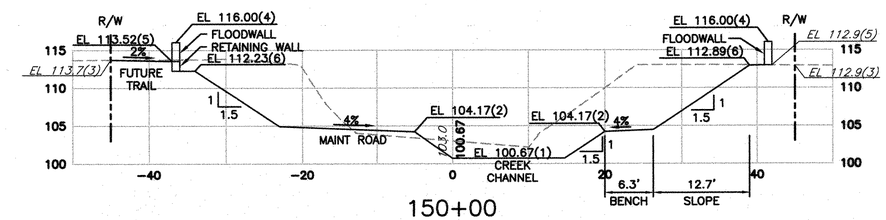

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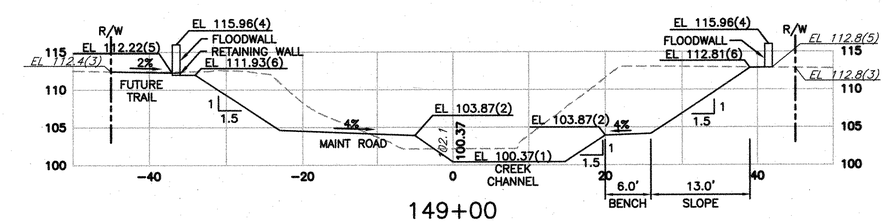


149+00

LOOKING UPSTREAM

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

RJA
RUGGERI-JENSEN-AZAR
ENGINEERS • PLANNERS • SURVEYORS
5005 DUBLIN ARROYO BLVD, DUBLIN, CA 94568
PHONE (408) 848-0300 FAX (408) 848-0301

DATE	DESIGN	DRAWN	CHECKED
05-18-10	JS/CW	LW	CP

ENGINEERING CERTIFICATION
REGISTERED PROFESSIONAL ENGINEER ARMINTA JO JENSEN 13-3112 CIVIL STATE OF CALIFORNIA
5/18/10
PROJECT ENGINEER DATE

Santa Clara Valley Water District
ACCEPTED BY DISTRICT
Dennis Cheung 6/1/10
DATE

PROJECT NAME AND SHEET DESCRIPTION:

LOWER SILVER CREEK REACHES 4, 5 & 6A

CHANNEL CROSS-SECTIONS STA 145+00 TO 153+00

SCALE 1"=10' H 1"=10' V
VERIFY SCALES 0 1"
BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

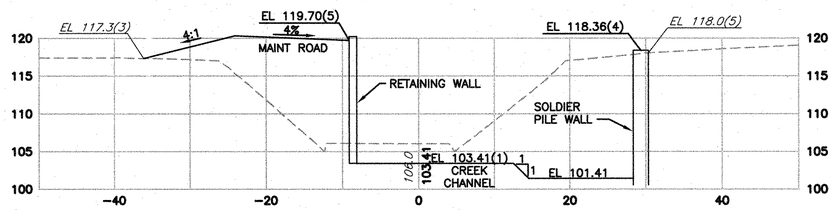
PROJECT NUMBER 40264008
SHEET CODE: X-3
PAGE NUMBER: 76 OF 188

DOCUMENT NUMBER: CAD_XX-X-XXXX-XXXXX
40264-43065
USERNAME: cwright Wed 19 May 2010 02:08pm
FILENAME: W:\Jobs 09\092051\Drawings\Final\Plans\76 X-3 CHANN X-SECT 3

SEE SHEETS 18 & 19 FOR PLAN AND PROFILE VIEW

ELEVATION DESCRIPTIONS

(1) FLOWLINE CREEK
(2) ELEVATION AT TOP OF SEDIMENT TRANSPORT CHANNEL
(3) EXISTING ELEVATION AT R/W OR TOP OF SLOPE
(4) TOP OF FLOODWALL ELEVATION
(5) ELEVATION AT BACK OF WALL
(6) ELEVATION AT TOP OF 1.5:1 SLOPE



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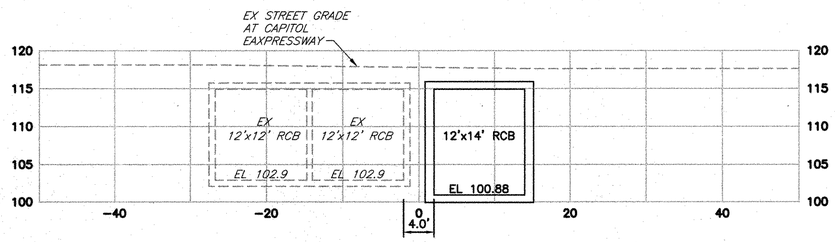

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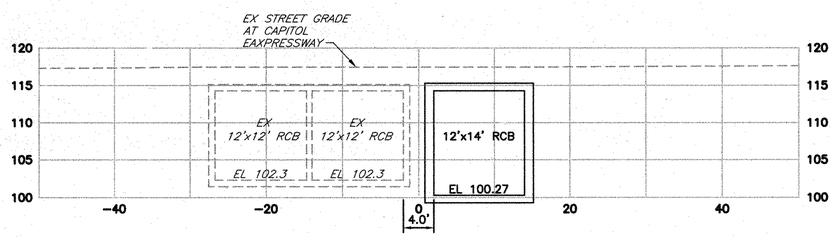

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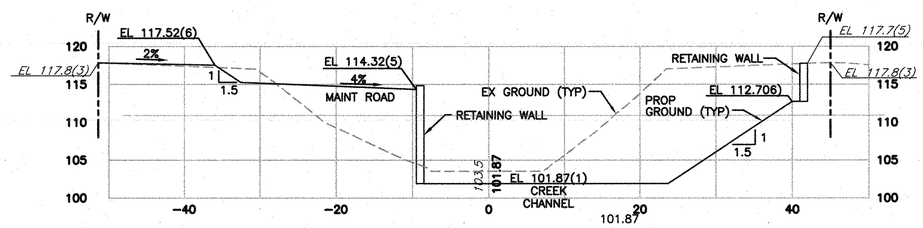

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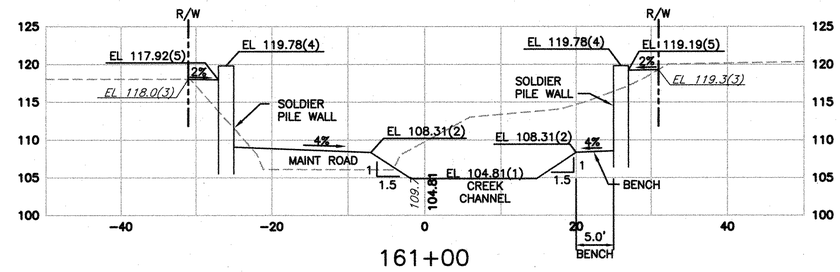

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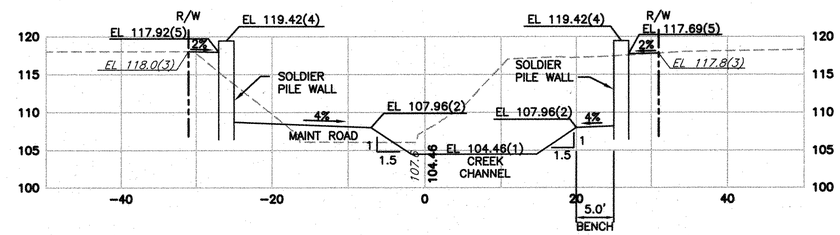

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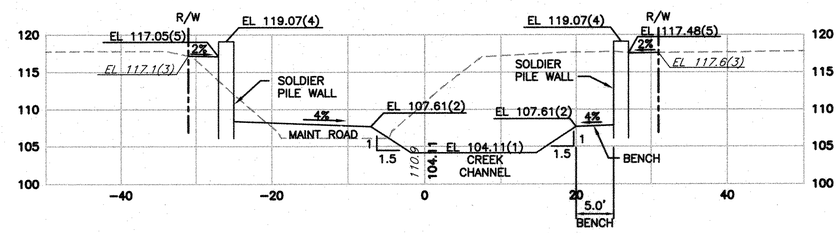

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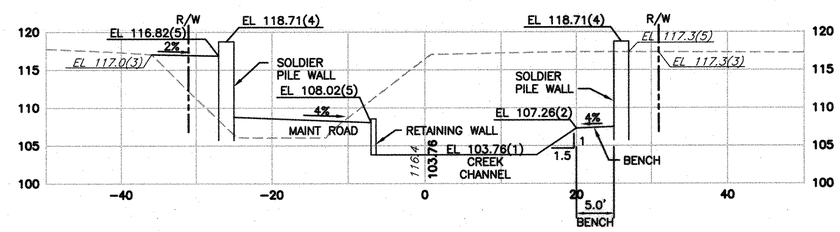


158+00

LOOKING UPSTREAM

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

RJA
RUGGERI-JENSEN-AZAR
ENGINEERS • PLANNERS • SURVEYORS
8005 CAMINO ARROYO GILROY, CA 95020
PHONE: (408) 848-5300 FAX: (408) 848-5301

DATE 05-18-10
DESIGN JS/CW
DRAWN LW
CHECKED CP

ENGINEERING CERTIFICATION
REGISTERED PROFESSIONAL ENGINEER AMINTA JO JENSEN No. 37314 CIVIL STATE OF CALIFORNIA
5/18/10
PROJECT ENGINEER DATE

Santa Clara Valley Water District
ACCEPTED BY DISTRICT
Dennis Cheung 6/1/10
DATE

PROJECT NAME AND SHEET DESCRIPTION:
LOWER SILVER CREEK REACHES 4, 5 & 6A
CHANNEL CROSS-SECTIIONS STA 154+00 TO 161+00

SCALE 1"=10' H 1"=10' V
VERIFY SCALES 0 1"
BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

PROJECT NUMBER 40264008
SHEET CODE: X-4
PAGE NUMBER: 77 OF 188

DOCUMENT NUMBER: CAD_XX-X-XXXX-XXXXX

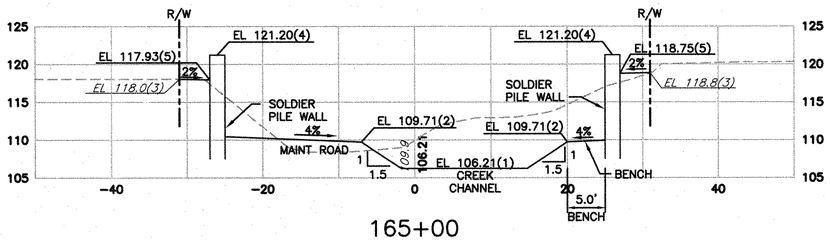
USERNAME: cwright Wed 19 May 2010 02:07pm
FILENAME: W:\Jobs 09\092051\Drawings\Final\Plans\77 X-4 CHANN X-SECT 4

4026 - 43066

SEE SHEETS 19 & 20 FOR PLAN AND PROFILE VIEW

ELEVATION DESCRIPTIONS

(1) FLOWLINE CREEK
(2) ELEVATION AT TOP OF SEDIMENT TRANSPORT CHANNEL
(3) EXISTING ELEVATION AT R/W OR TOP OF SLOPE
(4) TOP OF FLOODWALL ELEVATION
(5) ELEVATION AT BACK OF WALL
(6) ELEVATION AT TOP OF 1.5:1 SLOPE



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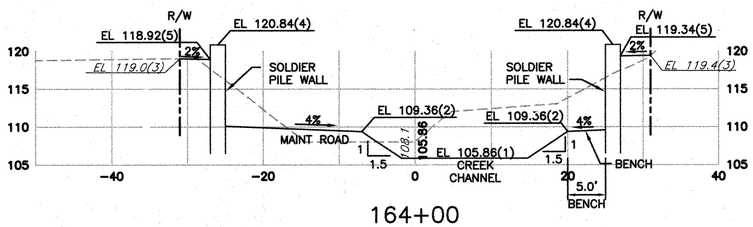

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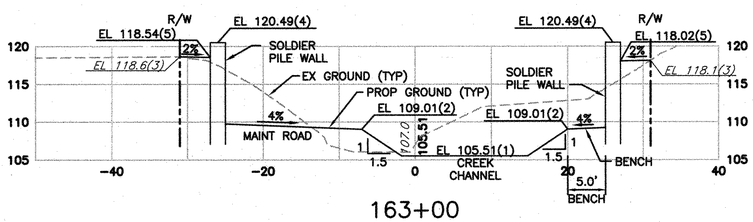

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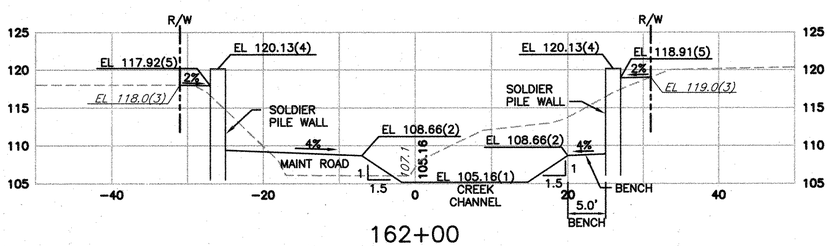

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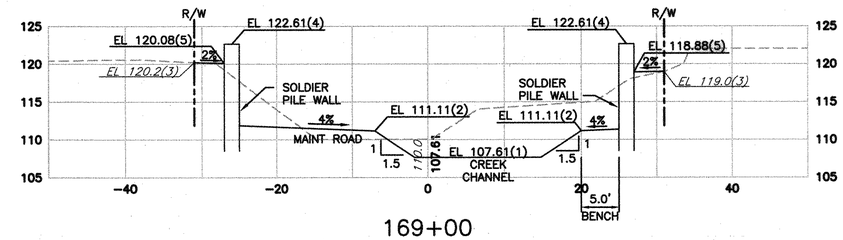

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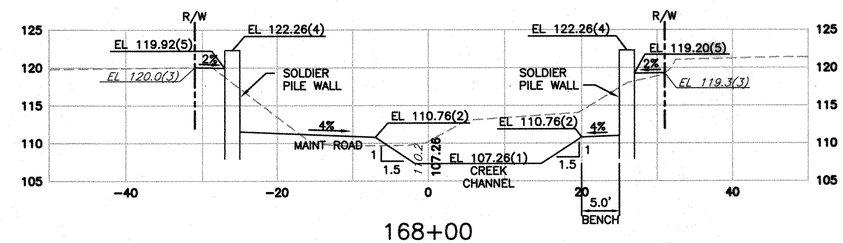

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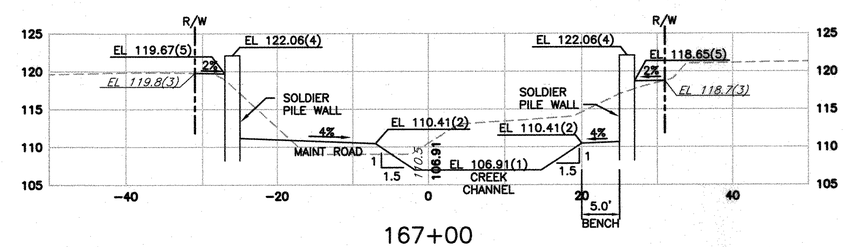

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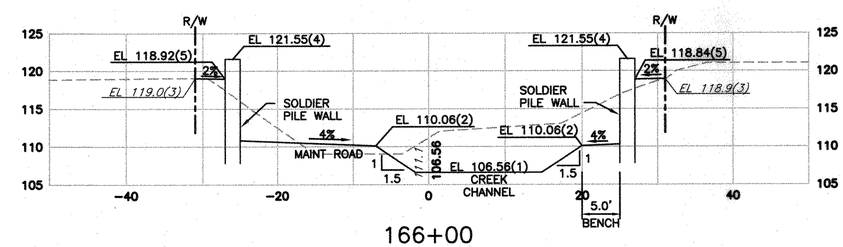


166+00

LOOKING UPSTREAM

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

RJA
RUGGERI-JENSEN-AZAR
ENGINEERS • PLANNERS • SURVEYORS
5055 CAMINO ARROYO GILROY, CA 95020
PHONE: (408) 848-3300 FAX: (408) 848-3302

DATE	05-18-10
DESIGN	JS/CW
DRAWN	LW
CHECKED	CP

ENGINEERING CERTIFICATION
5/18/10
PROJECT ENGINEER DATE

Santa Clara Valley Water District
ACCEPTED BY DISTRICT
Dennis Cheung 6/1/10
DATE

PROJECT NAME AND SHEET DESCRIPTION:

LOWER SILVER CREEK REACHES 4, 5 & 6A

CHANNEL CROSS-SECTIONS STA 162+00 TO 169+00

SCALE 1"=10' H 1"=10' V

VERIFY SCALES 0 1"
BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

PROJECT NUMBER 40264008

SHEET CODE: X-5

PAGE NUMBER: 78 OF 188

DOCUMENT NUMBER: CAD_XX-X-XXXX-XXXXX

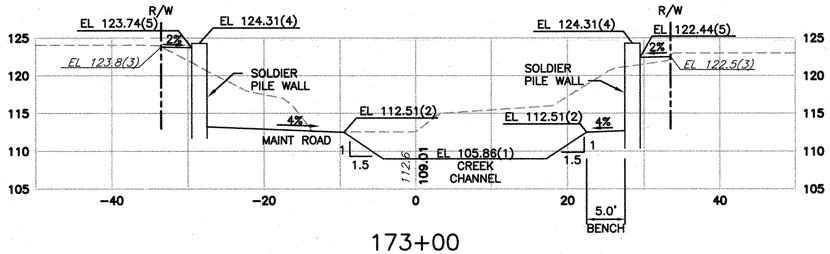
4026-43067

USERNAME: cwright Wed 19 May 2010 02:07pm
FILENAME: W:\Jobs 08\092051\Drawings\Final\Plans\78 X-5 CHANN X-SECT 5

SEE SHEETS 20 & 21 FOR PLAN AND PROFILE VIEW

ELEVATION DESCRIPTIONS

(1) FLOWLINE CREEK
(2) ELEVATION AT TOP OF SEDIMENT TRANSPORT CHANNEL
(3) EXISTING ELEVATION AT R/W OR TOP OF SLOPE
(4) TOP OF FLOODWALL ELEVATION
(5) ELEVATION AT BACK OF WALL
(6) ELEVATION AT TOP OF 1.5:1 SLOPE



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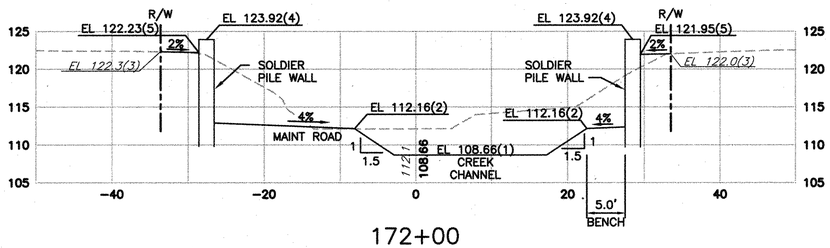

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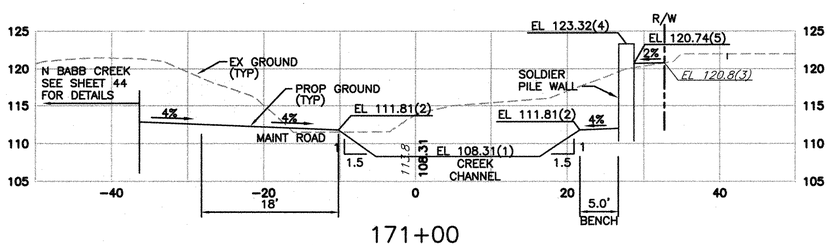

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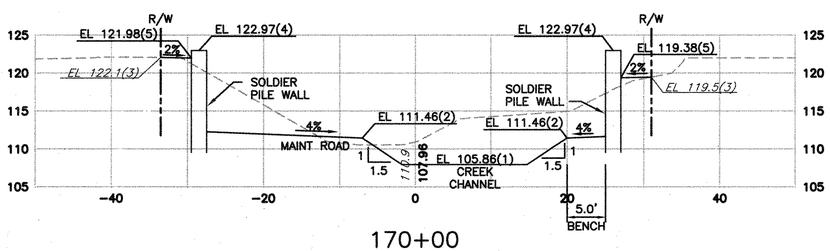

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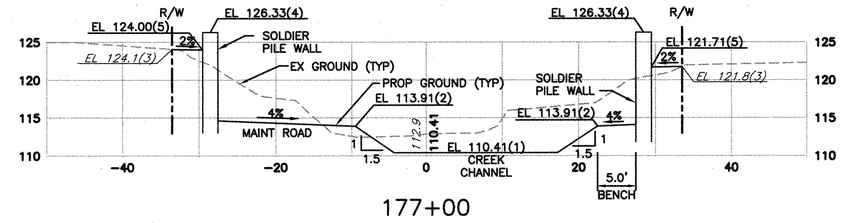

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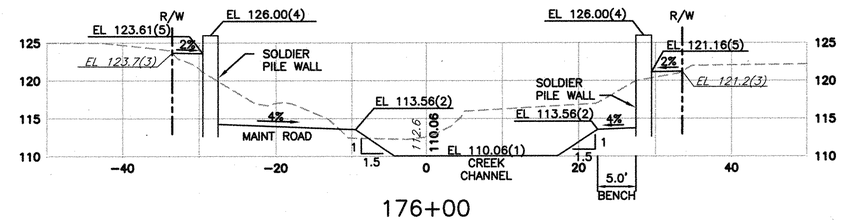

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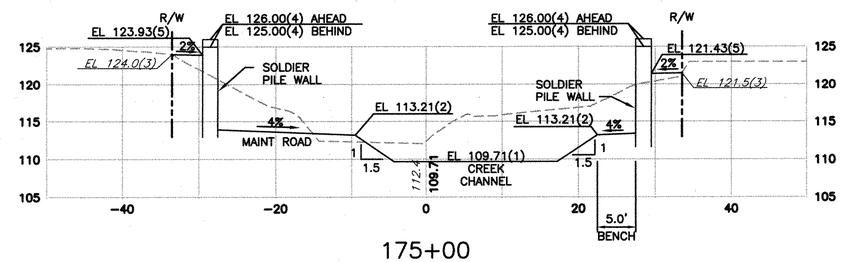

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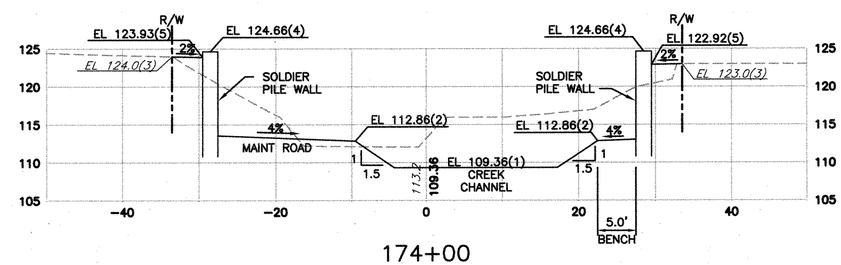

174+00

LOOKING UPSTREAM

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

RJA
RUGGERI-JENSEN-AZAR
ENGINEERS • PLANNERS • SURVEYORS
8009 CAMINO ARROYO GILROY, CA 95020
PHONE: (408) 846-0300 FAX: (408) 846-0302

DATE	
05-18-10	
DESIGN	JS/CW
DRAWN	LW
CHECKED	CP

ENGINEERING CERTIFICATION
REGISTERED PROFESSIONAL ENGINEER
JOHN A. SCHWARTZ
No. C 37 591
STATE OF CALIFORNIA
5/18/10
PROJECT ENGINEER DATE

Santa Clara Valley Water District
ACCEPTED BY DISTRICT
Dennis Chang 6/1/10
DATE

PROJECT NAME AND SHEET DESCRIPTION:

LOWER SILVER CREEK REACHES 4, 5 & 6A

CHANNEL CROSS-SECTIONS STA 170+00 TO 177+00

SCALE 1"=10' H 1"=10' V
VERIFY SCALES 0 1"
BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

PROJECT NUMBER 40264008
SHEET CODE: X-6
PAGE NUMBER: 79 OF 188

DOCUMENT NUMBER: CAD_XX-X-XXXX-XXXXX

USERNAME: cwright Wed 19 May 2010 02:06pm
FILENAME: W:\Jobs 09\092051\Drawings\Final\Plans\79 X-6 CHANN X-SECT 6

4026 - 43068

SEE SHEETS 21 & 22 FOR PLAN AND PROFILE VIEW

ELEVATION DESCRIPTIONS

(1) FLOWLINE CREEK
(2) ELEVATION AT TOP OF SEDIMENT TRANSPORT CHANNEL
(3) EXISTING ELEVATION AT R/W OR TOP OF SLOPE
(4) TOP OF FLOODWALL ELEVATION
(5) ELEVATION AT BACK OF WALL
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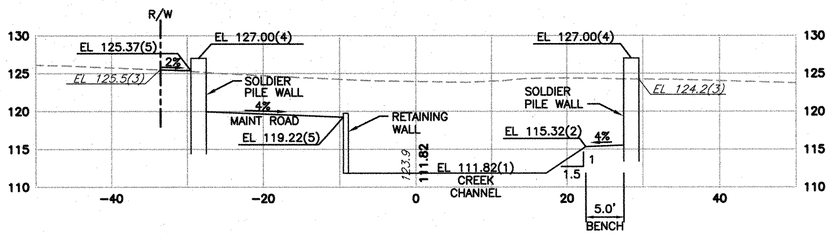

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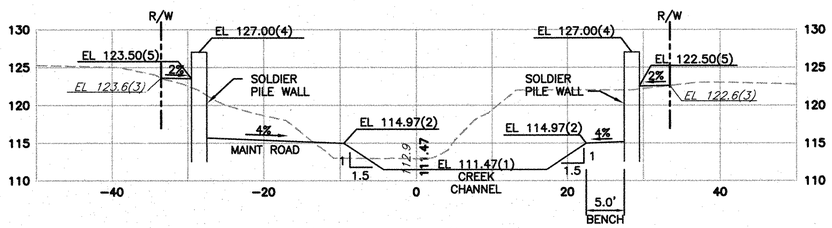

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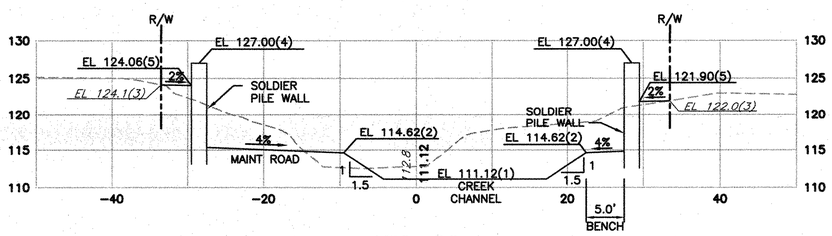

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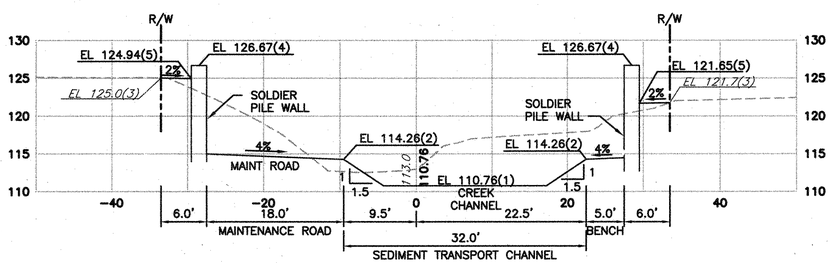

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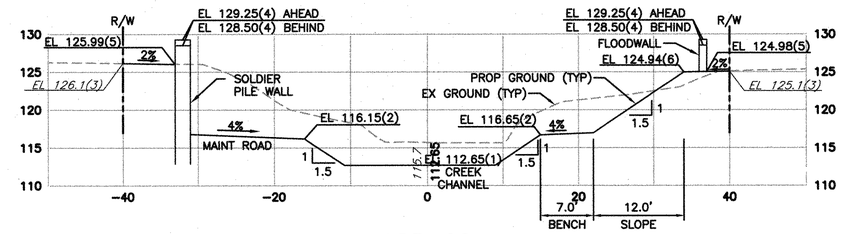

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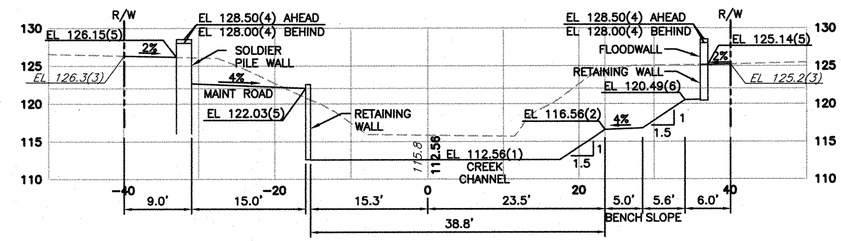

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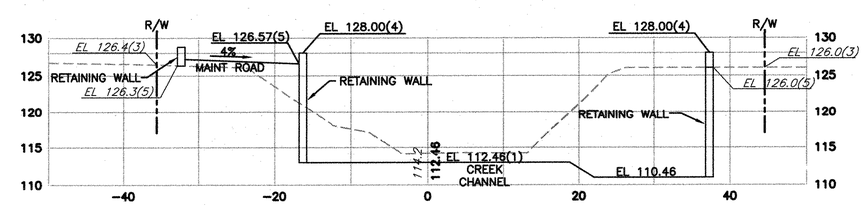

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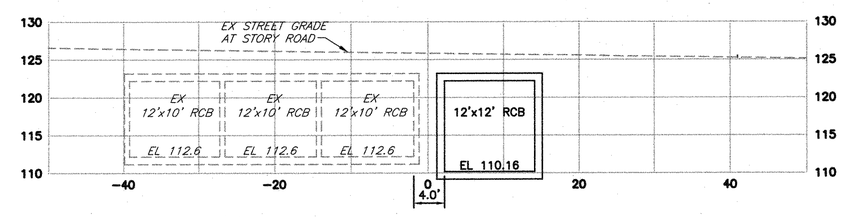


182+00

LOOKING UPSTREAM

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

RJA
RUGGERI-JENSEN-AZAR
ENGINEERS • PLANNERS • SURVEYORS
8605 SANTA MONICA BLVD. SUITE 200 PHONE (408) 848-3300 FAX (408) 848-3302

DATE 05-18-10
DESIGN JS/CW
DRAWN LW
CHECKED CP

ENGINEERING CERTIFICATION
REGISTERED PROFESSIONAL ENGINEER CHRISTOPHER A. PETERSON No. 61611 Exp. 3-31-12 CIVIL STATE OF CALIFORNIA
PROJECT ENGINEER 5/18/10 DATE

Santa Clara Valley Water District
ACCEPTED BY DISTRICT
Dennis Cacong 6/1/10
DATE

PROJECT NAME AND SHEET DESCRIPTION:
LOWER SILVER CREEK REACHES 4, 5 & 6A
CHANNEL CROSS-SECTIONS STA 178+00 TO 185+00

SCALE 1"=10' H 1"=10' V
VERIFY SCALES 0 1"
BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

PROJECT NUMBER 40264008
SHEET CODE: X-7
PAGE NUMBER: 80 OF 188

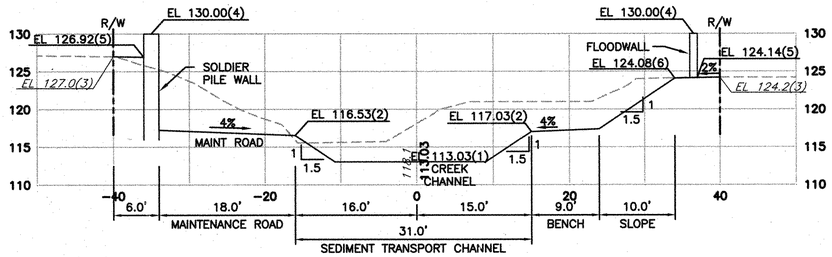
DOCUMENT NUMBER: CAD_XX-X-XXXX-XXXXX 40264 - 43069

USERNAME: cwright Wed 19 May 2010 02:06pm
FILENAME: W:\Jobs 09\092051\Drawings\Final\Plans\80 X-7 CHANN X-SECT 7

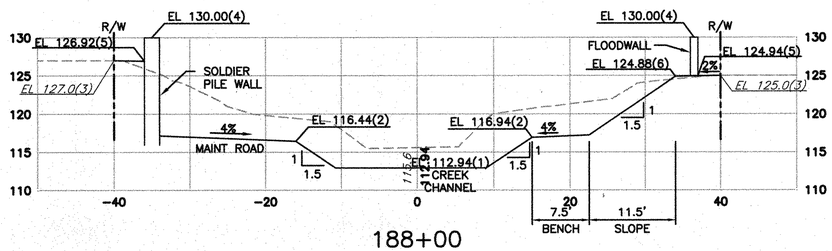
SEE SHEETS 22 & 23 FOR PLAN AND PROFILE VIEW

ELEVATION DESCRIPTIONS

(1) FLOWLINE CREEK
(2) ELEVATION AT TOP OF SEDIMENT TRANSPORT CHANNEL
(3) EXISTING ELEVATION AT R/W OR TOP OF SLOPE
(4) TOP OF FLOODWALL ELEVATION
(5) ELEVATION AT BACK OF WALL
(6) ELEVATION AT TOP OF 1.5:1 SLOPE



189+00



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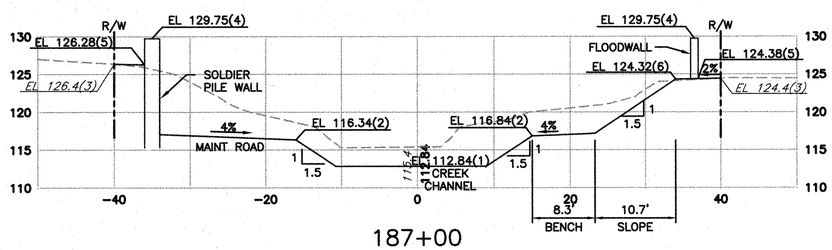

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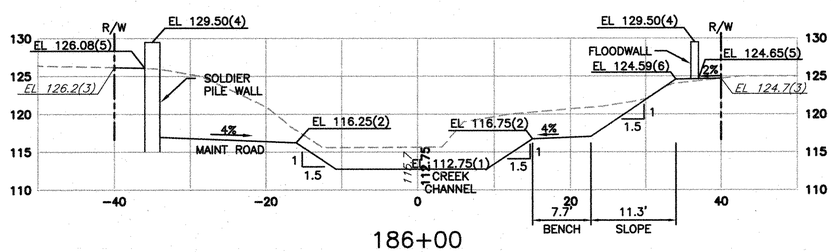

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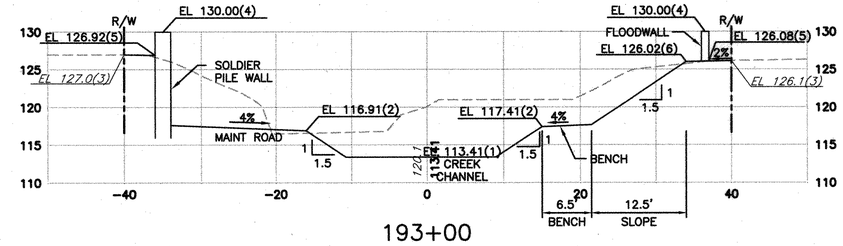

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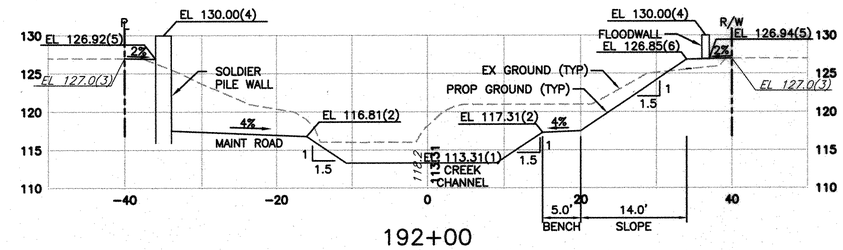

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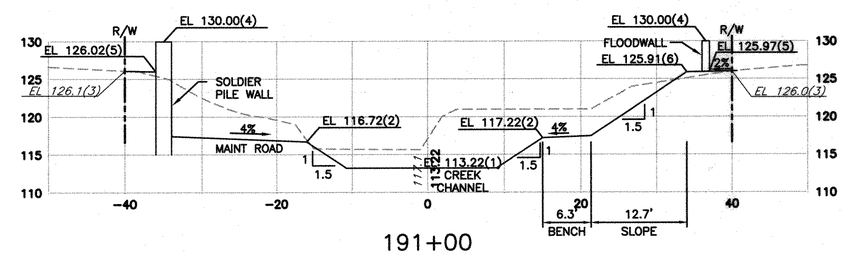

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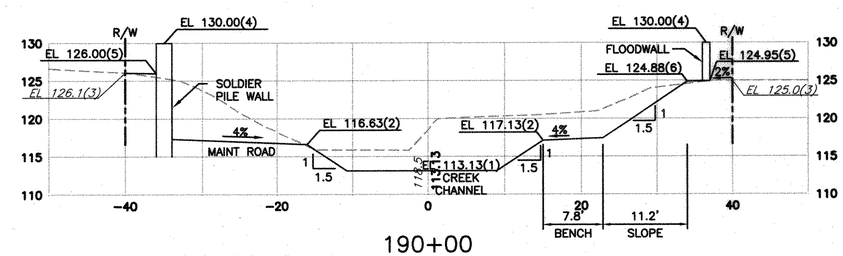


190+00

LOOKING UPSTREAM

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

RJA
RUGGERI-JENSEN-AZAR
ENGINEERS • PLANNERS • SURVEYORS
825 DAVIS AVENUE, SUITE 100, CHULA VISTA, CA 92025
PHONE: (619) 585-5300 FAX: (619) 585-5302

DATE 05-18-10
DESIGN JS/CW
DRAWN LW
CHECKED CP

ENGINEERING CERTIFICATION
PROJECT ENGINEER 5/18/10 DATE

Santa Clara Valley Water District
ACCEPTED BY DISTRICT
Dennis Chiang 6/1/10
DATE

PROJECT NAME AND SHEET DESCRIPTION:
LOWER SILVER CREEK REACHES 4, 5 & 6A
CHANNEL CROSS-SECTIONS STA 186+00 TO 193+00

SCALE 1"=10' H 1"=10' V
VERIFY SCALES 0 1"
BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

PROJECT NUMBER 40264008
SHEET CODE: X-8
PAGE NUMBER: 81 OF 188

DOCUMENT NUMBER: CAD_XX-X-XXXX-XXXXX

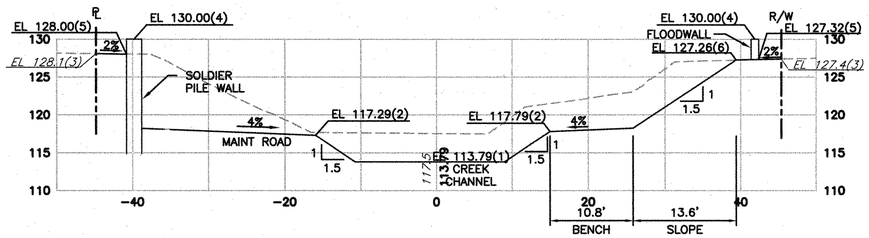
USERNAME: cwright Wed 19 May 2010 02:06pm
FILENAME: W:\Jobs 09\092051\Drawings\Final\Plans\B1 X-8 CHANN X-SECT 8

4026 - 93070

SEE SHEETS 23 & 24 FOR PLAN AND PROFILE VIEW

ELEVATION DESCRIPTIONS

(1) FLOWLINE CREEK
(2) ELEVATION AT TOP OF SEDIMENT TRANSPORT CHANNEL
(3) EXISTING ELEVATION AT R/W OR TOP OF SLOPE
(4) TOP OF FLOODWALL ELEVATION
(5) ELEVATION AT BACK OF WALL
(6) ELEVATION AT TOP OF 1.5:1 SLOPE



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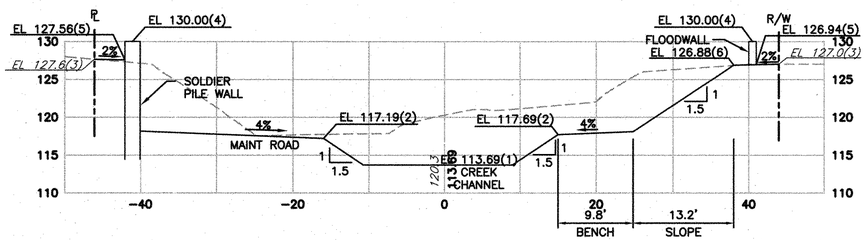

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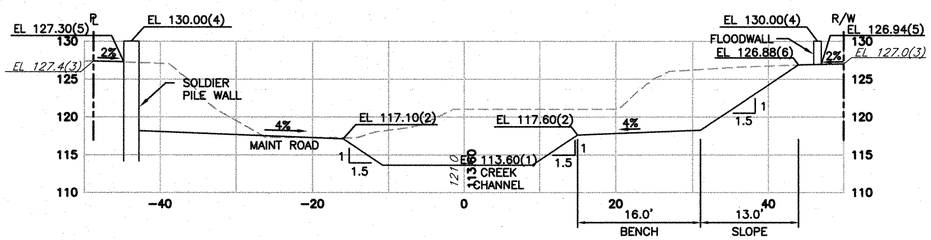
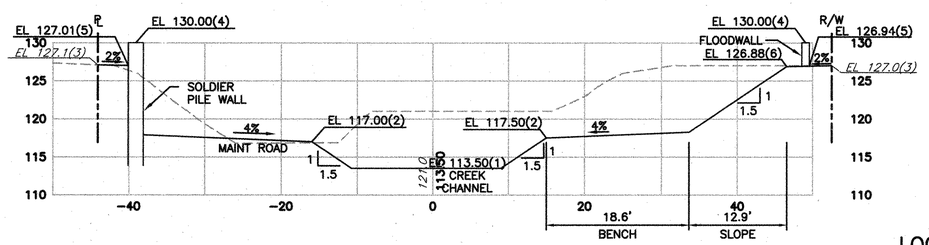


195+00



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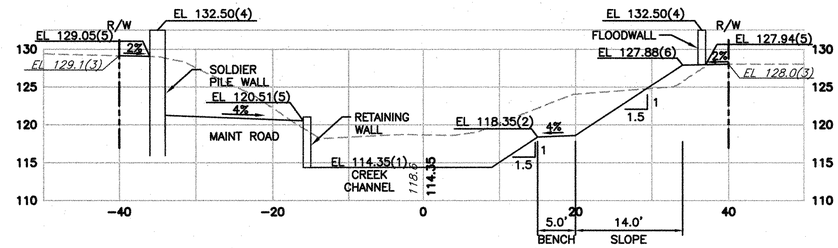

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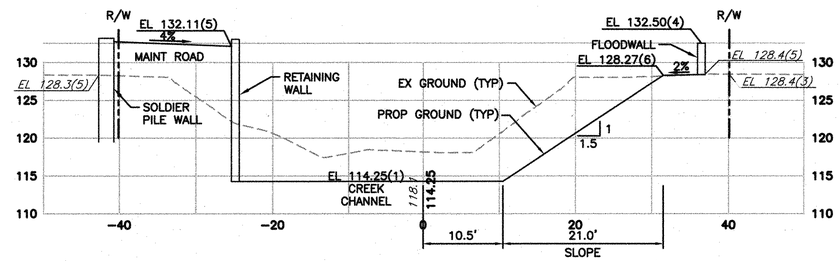

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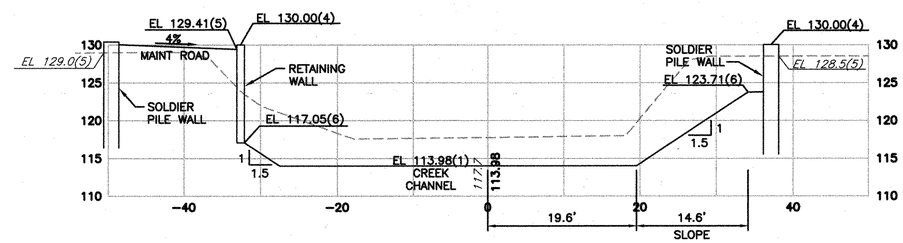

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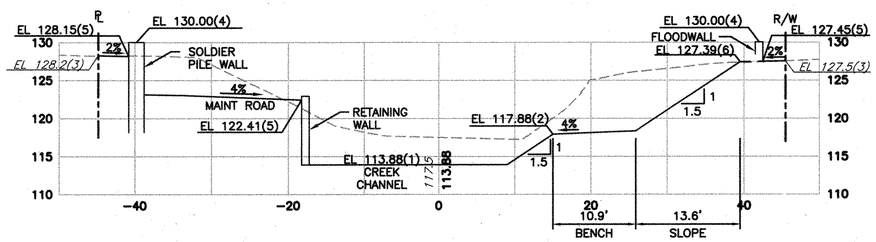


198+00

LOOKING UPSTREAM

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

RJA
RUGGERI-JENSEN-AZAR
ENGINEERS • PLANNERS • SURVEYORS
8000 CAMINO ARROYO GILROY, CA 95020
PHONE: (408) 848-5300 FAX: (408) 848-5302

DATE	ENGINEERING CERTIFICATION
05-18-10	
DESIGN JS/CW	
DRAWN LW	
CHECKED CP	5/18/10 PROJECT ENGINEER DATE

Santa Clara Valley Water District

ACCEPTED BY DISTRICT
Dennis Cheung 6/1/10
DATE

PROJECT NAME AND SHEET DESCRIPTION:

LOWER SILVER CREEK REACHES 4, 5 & 6A

CHANNEL CROSS-SECTIONS STA 194+00 TO 201+00

SCALE 1"=10' H 1"=10' V

VERIFY SCALES 0 1"
BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

PROJECT NUMBER 40264008

SHEET CODE: X-9

PAGE NUMBER: 82 OF 188

DOCUMENT NUMBER: CAD_XX-X-XXXX-XXXXX

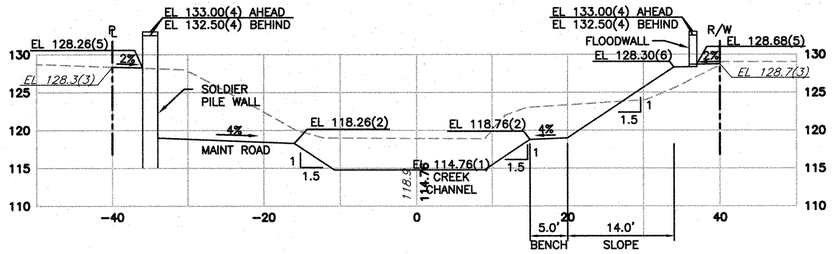
USERNAME: cwright Wed 19 May 2010 02:05pm
FILENAME: W:\Jobs 09\092051\Drawings\Final\Plans\82 X-9 CHANN X-SECT 9

4026 - 43071

SEE SHEETS 24 & 25 FOR PLAN AND PROFILE VIEW

ELEVATION DESCRIPTIONS

(1) FLOWLINE CREEK
(2) ELEVATION AT TOP OF SEDIMENT TRANSPORT CHANNEL
(3) EXISTING ELEVATION AT R/W OR TOP OF SLOPE
(4) TOP OF FLOODWALL ELEVATION
(5) ELEVATION AT BACK OF WALL
(6) ELEVATION AT TOP OF 1.5:1 SLOPE



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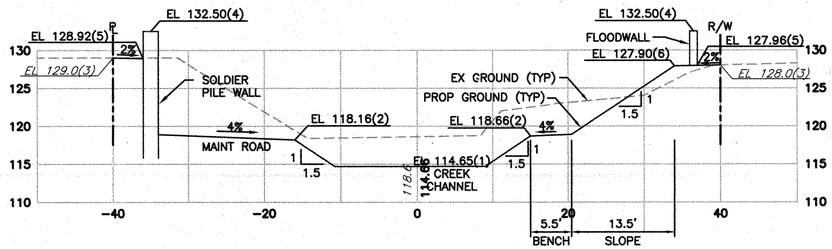

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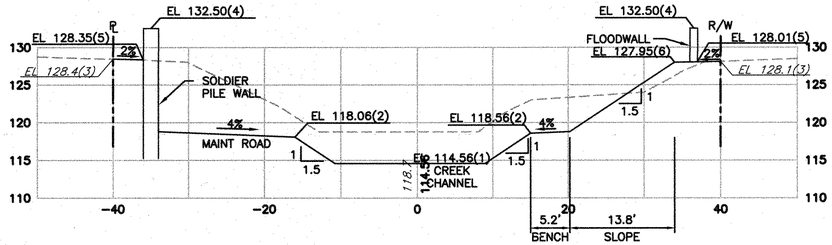

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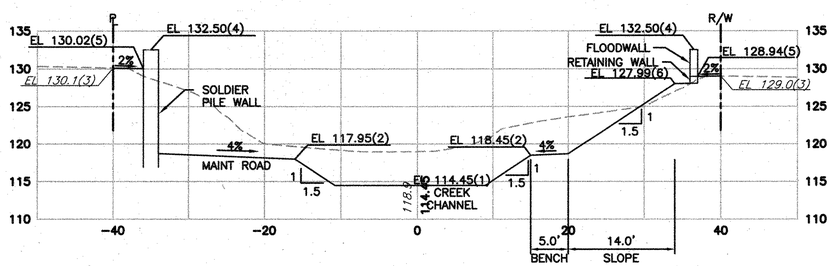

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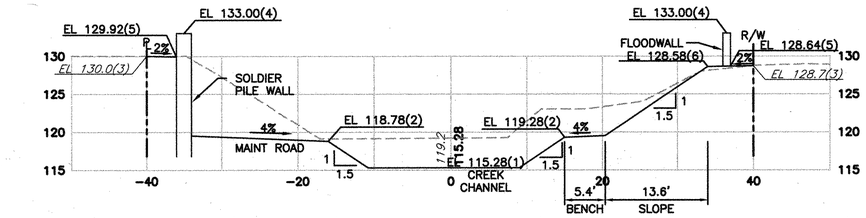

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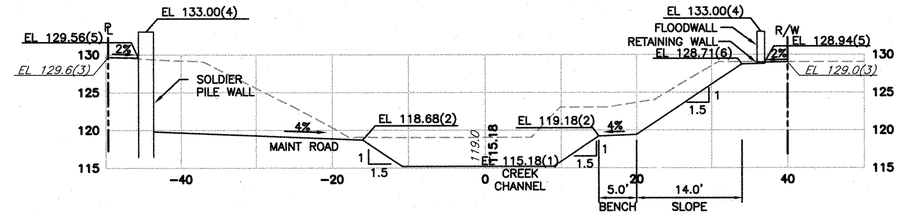

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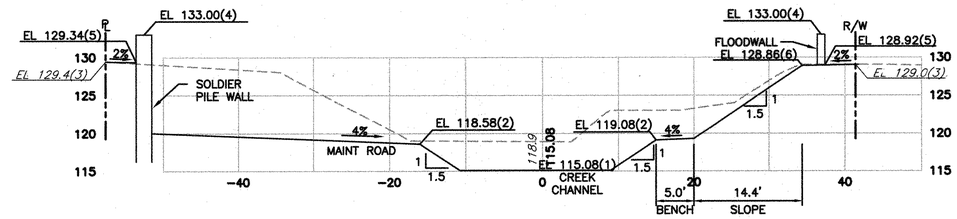

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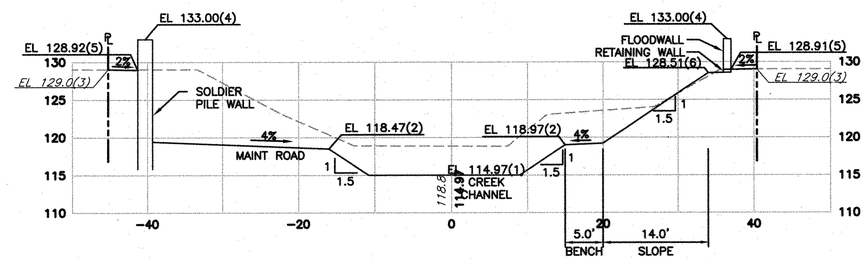

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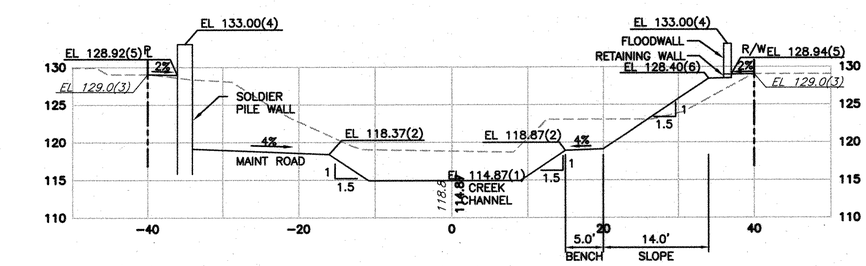

206+00

LOOKING UPSTREAM

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

RJA
RUGGERI-JENSEN-AZAR
ENGINEERS • PLANNERS • SURVEYORS
8055 CAMINO ARROYO GILROY, CA 95020
PHONE: (408) 848-3300 FAX: (408) 848-3301

DATE	05-18-10
DESIGN	JS/CW
DRAWN	LW
CHECKED	CP

ENGINEERING CERTIFICATION
5/19/10
PROJECT ENGINEER DATE

Santa Clara Valley Water District
ACCEPTED BY DISTRICT
Dennis Chang 6/1/10
DATE

PROJECT NAME AND SHEET DESCRIPTION:

LOWER SILVER CREEK REACHES 4, 5 & 6A

CHANNEL CROSS-SECTIONS STA 202+00 TO 210+00

SCALE
1"=10' H
1"=10' V

VERIFY SCALES
0 1"
BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

PROJECT NUMBER
40264008

SHEET CODE:
X-10

PAGE NUMBER:
83 OF 188

DOCUMENT NUMBER: CAD_XX-X-XXXX-XXXXX 4026 - 43072

USERNAME: cwright Wed 19 May 2010 02:04pm
FILENAME: W:\Jobs 09\092051\Drawings\Final\Plans\83 X-10 CHANN X-SECT 10

SEE SHEET 26 FOR PLAN AND PROFILE VIEW

ELEVATION DESCRIPTIONS

(1) FLOWLINE CREEK
(2) ELEVATION AT TOP OF SEDIMENT TRANSPORT CHANNEL
(3) EXISTING ELEVATION AT R/W OR TOP OF SLOPE
(4) TOP OF FLOODWALL ELEVATION
(5) ELEVATION AT BACK OF WALL
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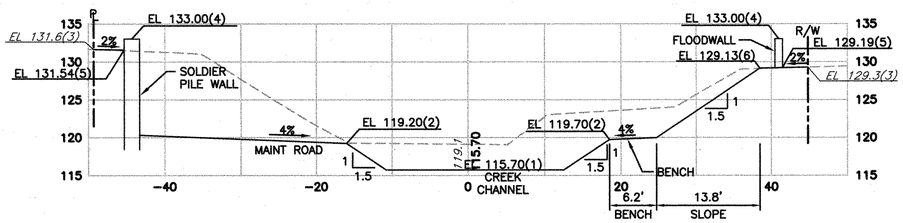

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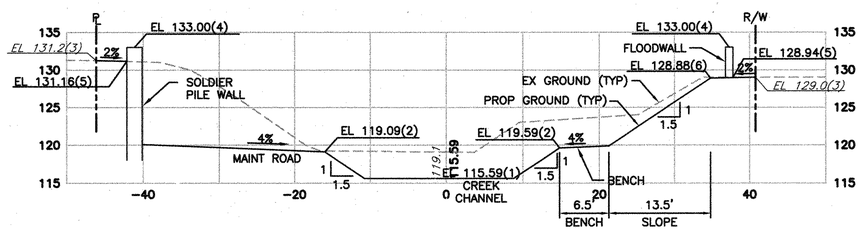

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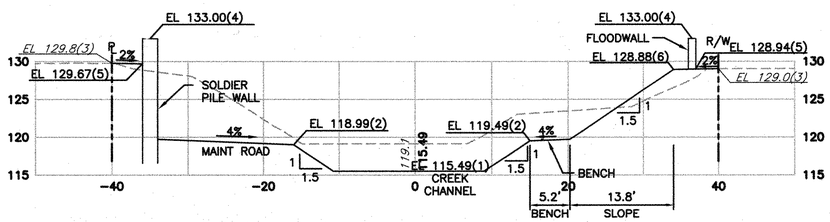
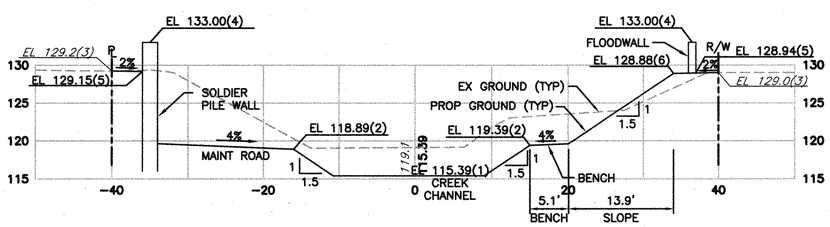
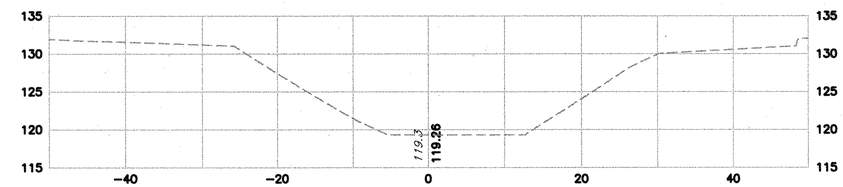


212+00



211+00



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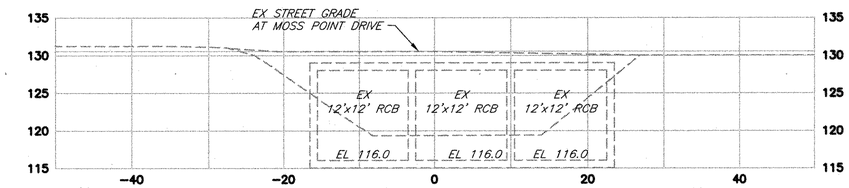

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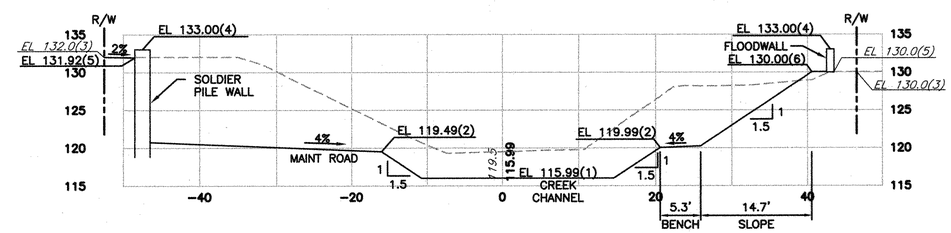
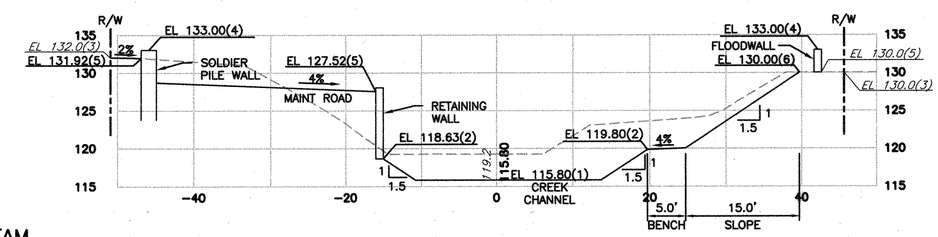


216+00



215+00

LOOKING UPSTREAM

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

RJA
RUGGERI-JENSEN-AZAR
ENGINEERS • PLANNERS • SURVEYORS
3220 CAMINO ARROYO GILROY, CA 95020
PHONE: (408) 848-0300 FAX: (408) 848-0302

DATE 05-18-10
DESIGN JS/CW
DRAWN LW
CHECKED CP

ENGINEERING CERTIFICATION
REGISTERED PROFESSIONAL ENGINEER
MAINTIN A. JAZAR
No. 23-31-14
CIVIL
STATE OF CALIFORNIA
5/18/10
PROJECT ENGINEER DATE

Santa Clara Valley Water District

ACCEPTED BY DISTRICT
Dennis Cheong 6/1/10
DATE

PROJECT NAME AND SHEET DESCRIPTION:

LOWER SILVER CREEK REACHES 4, 5 & 6A

CHANNEL CROSS-SECTIONS STA 211+00 TO 218+00

SCALE 1"=10' H 1"=10' V
VERIFY SCALES 0 1"
BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

PROJECT NUMBER 40264008
SHEET CODE: X-11
PAGE NUMBER: 84 OF 188

DOCUMENT NUMBER: CAD_XX-X-XXXX-XXXXX 4026 - 43073

USERNAME: cwright Wed 19 May 2010 02:04pm
FILENAME: W:\Jobs 09\09205\1\Drawings\Final\Plans\84 X-11 CHANN X-SECT 11

GENERAL ABBREVIATIONS

ALT – ALTERNATE (– ALTERNATED)
AB – ANCHOR BOLT, – AGGREGATE BASE
AC – ASPHALT CONCRETE
ACI – AMERICAN CONCRETE INSTITUTE
ALIGN – ALIGNMENT (– ALIGN)
AMP – AMPERE
APPROX – APPROXIMATE (– APPROXIMATELY)
AVRD – AVERAGE
ABUT – ABUTMENT
ASSY – ASSEMBLY
ACP – ASBESTOS CEMENT PIPE
ASPH – ASPHALT
AP – ACCESS POINT

BC – BEGIN CURVE
BF – BOTH FACES
BM – BENCH MARK
BRNG – BEARING
BR – BRIDGE
BW – BARBED WIRE
BK – BANK
BLDG – BUILDING
BIT – BITUMINOUS
BOT – BOTTOM

C – CURVE, – CHORD
CB – CATCH BASIN
CCP – CONCRETE – CYLINDER PIPE
CFM – CUBIC FEET PER MINUTE
CFS – CUBIC FEET PER SECOND
CIP – CAST IRON PIPE, CAST–IN–PLACE
CJ – CONSTRUCTION JOINT
CLR – CLEAR (– CLEARANCE)
CL–6 – CHAIN LINK FENCE (NUMBER = HEIGHT)
CM – CENTIMETER
CMP – CORRUGATED METAL PIPE
CONC – CONCRETE
CONST – CONSTRUCT (CONSTRUCTION)
CONT – CONTINUOUS (– CONTROL)
CY – CUBIC YARDS
CYL – CYLINDER
COL – COLUMN
CRK – CREEK

DEG (°) – DEGREES
DI – DROP INLET
DIA – DIAMETER
DIP – DUCTILE IRON PIPE
DR – DRIVE
D/S – DOWNSTREAM
DBL – DOUBLE
DWG – DRAWING (– DRAWINGS)
DWN – DOWN
DET – DETAIL

(E) – EXISTING
E – EAST, ELECTRIC
EJ – EXPANSION JOINT
EA – EACH
EC – END CURVE
EF – EACH FACE
EL – ELEVATION
ELECT – ELECTRIC (ELECTRICAL)
E'LY – EASTERLY
ENGR – ENGINEER (ENGINEERING)
EP – EDGE OF PAVEMENT
EXPWY – EXPRESSWAY
EW – EACH WAY

FB – FREEBOARD
FD – FOUND
FF – FAR – FACE
FG – FINISH GRADE
FH – FIRE HYDRANT
FT (') – FEET (– FOOT)
FTG – FOOTING
FS – FAR SIDE
FWY – FREEWAY

G – GAS
GA – GAUGE (GAGE)
GALV – GALVANIZE (GALVANIZED)
GB – GUY ANCHOR AND POLE
GB – GRADE BREAK
GFI – GROUND FAULT INTERRUPTER
GPM – GALLONS PER MINUTE
GPS – GALLONS PER SECOND

GR – GRADE
GRND – GROUND
GRP – GROUP
GP – GUY POLE

H – HEIGHT
H&T – HUB AND TACK
HORIZ – HORIZONTAL
HP – HORSEPOWER, HINGEPOINT
HWY – HIGHWAY
HK – HOOK (APPLIED TO REBAR)

I – IRRIGATION
ID – INSIDE DIAMETER (DIMENSION)
IF – INSIDE FACE
IN (") – INCH (INCHES)
INV – INVERT
IP – IRON PIPE

JP – JOINT POLE
JT – JOINT
JUNCT – JUNCTION

K – KILO
Km – KILOMETER
KV – KILOVOLT
Kw – KILOWATT

L – LENGTH (LONG)
LN – LANE
LT – LEFT
LOL – LAYOUT LINE
LP – LIP OF GUTTER

M – METER
MAINT – MAINTENANCE
MAX – MAXIMUM
MFP – MODIFIED FLOOD PLAIN
MH – MANHOLE
MIN – MINIMUM
MON – MONUMENT
MATL – MATERIAL(S)
MEMB – MEMBER
MTL – METAL

(N) – NEW
NGVD – NATIONAL GEODETIC VERTICAL DATUM
N – NORTH
N/A – NOT APPLICABLE,NOT AVAILABLE
NE – NORTHEAST
NE'LY – NORTHEASTERLY
NF – NEAR FACE
NIC – NOT IN CONTRACT
NS – NEAR SIDE
NTS – NOT TO SCALE
NW – NORTHWEST
NW'LY – NORTHWESTERLY
N'LY – NORTHERLY

OC – ON CENTER
OD – OUTSIDE DIAMETER (DIMENSION)
OF – OUTSIDE FACE
OH – OVERHEAD (– OPPOSITE HAND)
OPNG – OPENING

PB – PULL BOX
PCC – PORTLAND CEMENT CONCRETE (POINT OF COMPOUND CURVE)
PI – POINT OF INTERSECTION
POB – POINT OF BEGINING
POT – POINT OF TANGENT
PP – POWER POLE
PRC – POINT OF REVERSE CURVE
PSI – POUNDS PER SQUARE INCH
PT – POINT
PVC – POLYVINYL CHLORIDE (PIPE)
PVMT – PAVEMENT
PED – PEDESTRIAN

Q – DESIGN DISCHARGE (CFS)

R – RADIUS
RCB – REINFORCED CONCRETE BOX
RCP – REINFORCED CONCRETE PIPE
RD – ROAD

RCB – REINFORCING STEEL BAR
REINF – REINFORCEMENT (REINFORCING)
REQ'D – REQUIRED
RT – RIGHT
RTE – ROUTE
RR – RAILROAD
R/W – RIGHT OF WAY
REF – REFERENCE (REFER)
RWLOL – RETAINING WALL LAYOUT LINE

S – SOUTH, SLOPE
SAT – SATURATED
SCRR – SACK CONCRETE RIP–RAP
SCSP – SACKED CONCRETE SLOPE PROTECTION
SCH – SCHEDULE
SCVWD – SANTA CLARA VALLEY WATER DISTRICT
SD – STORM DRAIN, STANDARD DETAIL
SE – SOUTHEAST
SEC (") – SECONDS
SECT – SECTION
SE'LY – SOUTHEASTERLY
SHT – SHEET
SIM – SIMILAR
SPECS – SPECIFICATIONS
SQ FT – SQUARE FEET
SS – SANITARY SEWER
STA – STATION
STD – STANDARD
STL – STEEL
STR – STRUCTURE
SW'LY – SOUTHWESTERLY
SY – SQUARE YARDS
SYM – SYMMETRICAL
SW – SOUTHWEST
S'LY – SOUTHERLY

T – TANGENT, TELEPHONE
TBM – TEMPORARY BENCH MARK
TC – TOP OF CURB
TCA – TEMPORARY CONSTRUCTION AREA
TFC – TRAFFIC
TB – TOP OF BANK
TOC – TOE OF CHANNEL
TOF – TOP OF FOOTING
TOS – TOP OF SLAB
TP – TELEPHONE POLE, TURNING POINT
TP–1 – TEST PIT (NUMBER=DESIGNATION/LOCATION
TS – TRAFFIC SIGNAL
TV – TELEVISION (CABLE OR FACILITY)
TW – TOP OF WALL
TYP – TYPICAL

UB – UTILITY BOX
UC – UTILITY CONDUIT
UCWLOL – U–CHANNEL WALL LAYOUT LINE
UG – UNDERGROUND
U/S – UPSTREAM
USC&GS – UNITED STATES COASTAL AND GEODETIC SURVEY

V – VOLTS
VCP – VITRIFIED CLAY PIPE
VERT – VERTICAL

W – WITH, WATER, WEST, WIDTH, (WIDE)
W/O – WITHOUT
WS – WATER SURFACE
WT – WEIGHT
WD – WOOD (WOODEN)
WSP – WATER SURFACE PROFILE
WV – WATER VALVE
WW – WING WALL
WWF – WELDED WIRE FABRIC
W'LY – WESTERLY

X–SECT – CROSS SECTION
Y – YARDS
Z – ZONE

GENERAL NOTES

1. ALL EXISTING FACILITIES, STRUCTURES, TREES, FENCES, LANDSCAPING, ETC., DESIGNATED "EXIST." OR SHOWN EXISTING (DASHED LINES) ARE TO REMAIN. ONLY THOSE SPECIFICALLY DESIGNATED FOR REMOVAL OR DEMOLITION AS SHOWN ON THE CIVIL DRAWINGS, OR AS DIRECTED BY THE ENGINEER SHALL BE REMOVED.
2. ALL REFERENCES MADE TO RIGHT OR LEFT AND ALL CROSS–SECTIONS SHOWN ON THE PLANS ARE VIEWED LOOKING UPSTREAM/UPSTATION.
3. LOCATIONS AND DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THE PLANS ARE BASED ON INFORMATION FROM THE UTILITY AND ARE TO BE CONSIDERED AS APPROXIMATE ONLY.
4. PRIOR TO PERFORMING ANY WORK IN THE VICINITY OF EXISTING UNDERGROUND UTILITIES, THE CONTRACTOR SHALL VERIFY THEIR LOCATIONS AND DEPTHS AND TAKE PROPER PRECAUTIONS TO AVOID ANY DAMAGE TO THEM.
5. THE CONTRACTOR VEHICLES SHALL NOT PARK ALONG THE LEVEE ACCESSROAD AT ANY TIME. AND CONSTRUCTION OPERATIONS SHALL BE CONDUCTED IN SUCH A MANNER AS TO CAUSE AS LITTLE INCONVENIENCE AS POSSIBLE TO THE RESIDENTS.
6. THE CONTRACTOR SHALL INSTALL TEMPORARY FENCES AND OTHER WARNING SIGNS OR DEVICES AS SHOWN ON THE DRAWINGS.
7. THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS AT THE STATE WATER RESOURCES CONTROL BOARD FOR STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITIES. NPDES GENERAL PERMIT IS NOT REQUIRED.
8. SEE "APPENDIX C" OF SPECIFICATIONS FOR THE RELEVANT OF GEOTECHNICAL DATA AND SOILS OF BORINGS.
9. PRIOR TO BEGINNING ANY WORK, THE CONTRACTOR SHALL CALL UPRR AT 1–800–336–9193 TO DETERMINE IF FIBER OPTIC CABLE IS BURIED ANY WHERE ON THE EXCAVATED SITE.
10. THE CONTRACTOR SHALL GIVE REASONABLE NOTICE TO UPRR REPRESENTATIVE BEFORE COMMENCING ANY WORK AT THE CONSTRUCTION SITE WITHIN 25 FEET OF ANY TRACT AT LEAST 24 HOURS IN ADVANCE. IF ANY FLAG PERSONS OR OTHER SPECIAL PROTECTIVE OR SAFETY MEASURES ARE PERFORMED BY THE RAILROAD SHALL BE AT THE CONTRACTOR'S EXPENSES.
11. THE CONTRACTOR'S OPERATIONS SHALL NOT INFRINGE ON THE FOLLOWING MINIMUM CLEARANCES FROM ANY RAILROAD TRACK: 10'–0" HORIZONTALLY FROM CENTER LINE OF TRACK AND 23'–0" VERTICALLY ABOVE TOP OF RAIL.
12. CONTRACTOR SHALL UTILIZE CASINGS AT DRILLED PIERS & CIDH PILES IF EXCESSIVE GROUNDWATER IS ENCOUNTERED DURING DRILLING SO AS TO PRESERVE THE INTEGRITY OF THE DRILLED PIER OR CIDH PILE.

INDEX TO CALTRANS STANDARD PLANS (MAY 2006)

A10A – ACRONYMS AND ABBREVIATIONS (SHEET 1 OF 2)
A10B – ACRONYMS AND ABBREVIATIONS (SHEET 2 OF 2)
A10C – SYMBOLS (SHEET 1 OF 2)
A10D – SYMBOLS (SHEET 2 OF 2)
A62B – LIMITS OF PAYMENT FOR EXCAVATION AND BACKFILL – BRIDGE SURCHARGE AND WALL
A62C – LIMITS OF PAYMENT FOR EXCAVATION AND BACKFILL – BRIDGE SURCHARGE AND WALL
A76A – CONCRETE BARRIER TYPE 60
A77J3 – METAL BEAM GUARD RAILING CONNECTIONS TO ABUTMENTS AND WALLS
A77K1 – METAL GUARD RAILING CONNECTIONS TO BRIDGE RAILINGS WITH SIDEWALKS DETAILS No.1
B0–1 – BRIDGE DETAILS
B0–3 – BRIDGE DETAILS
B0–5 – BRIDGE DETAILS
B0–13 – BRIDGE DETAILS
B3–1 – RETAINING WALL TYPE 1 – H = 4' THROUGH 30'
B3–8 – RETAINING WALL DETAILS No.1
RSP B6–21 – JOINT SEALS (MAXIMUM MOVEMENT RATING = 2")
B7–1 – BOX GIRDER DETAILS
B7–6 – DECK DRAINS – TYPES D–1 AND D–2
B7–7 – DECK DRAINS – TYPE D–3
B7–10 – UTILITY OPENING – BOX GIRDER
B8–5 – CAST–IN–PLACE PRESTRESSED GIRDER DETAILS
B11–7 – CHAIN LINK RAILING
B11–52 – CHAIN LINK RAILING TYPE 7
B11–53 – CONCRETE BARRIER TYPE 25
B11–54 – CONCRETE BARRIER TYPE 26
B11–55 – CONCRETE BARRIER TYPE 732
B11–65 – CALIFORNIA ST–30 BRIDGE RAIL
B14–3 – COMMUNICATION AND SPRINKLER CONTROL CONDUITS (CONDUIT LESS THAN 4")
B14–4 – WATER SUPPLY LINE (BRIDGE) (PIPE SIZES LESS THAN 4")
B14–5 – WATER SUPPLY LINE (DETAILS) (PIPE SIZES LESS THAN 4")
D82 – CAST–IN–PLACE REINFORCED CONCRETE BOX CULVERTS MISCELLANROVS DETAILS
D88 – CONSTRUCTION LOADS ON CULVERTS
ES–7A – ELECTRICAL SYSTEMS (SIGNAL AND LIGHTING STANDARDS, PUSH BUTTON POSTS AND TYPE 15TS STANDARD)
ES–7B – ELECTRICAL SYSTEMS (SIGNAL AND LIGHTING STANDARDS – TYPE 1 STANDARDS AND EQUIPMENT NUMBERING)
ES–7C – ELECTRICAL SYSTEMS (SIGNAL AND LIGHTING STANDARDS – CASE 1 ARM LOADING, WIND VELOCITY = 100 MPH, ARM LENGTHS 15' TO 30')
ES–7D – ELECTRICAL SYSTEMS (SIGNAL AND LIGHTING STANDARDS – CASE 2 ARM LOADING, WIND VELOCITY = 100 MPH, ARM LENGTHS 15' TO 30')
ES–7E – ELECTRICAL SYSTEMS (SIGNAL AND LIGHTING STANDARDS – CASE 3 ARM LOADING, WIND VELOCITY = 100 MPH, ARM LENGTHS 15' TO 45')

NOTES:

A / S–4 – INDICATES SECTION NUMBER; INDICATES SHEET NUMBER SHOWN ON
1 / S–4 – INDICATES DETAIL NUMBER; INDICATES SHEET NUMBER SHOWN ON
B0–13 / 15–4 – INDICATES STATE OF CALIFORNIA STANDARD PLAN SHEET NUMBER

RETAINING WALL LEGEND

SOLDIER PILE WALLS
DRILLED PIER WALLS
RAMP RETAINING WALLS

STRUCTURAL DRAWING INDEX

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S–2	GENERAL NOTES, STRUCTURAL INFORMATION
S–3	GENERAL PLAN
S–4	U–CHANNEL PLAN, ELEVATION & SECTION STA 127+94.72 TO 130+34.77
S–5	U–CHANNEL SECTIONS & DETAILS STA 127+94.72 TO 130+34.77
S–6	CULVERT DETAILS AT JACKSON AVE
S–7	CULVERT SECTIONS & DETAILS AT JACKSON AVE
S–8	TRAFFIC PHASING SECTIONS AT JACKSON AVE
S–9	CULVERT SECTIONS & DETAILS AT JACKSON AVE
S–10	CULVERT DETAILS AT JACKSON AVE
S–11	CULVERT AND APRON SECTIONS & DETAILS AT JACKSON AVE
S–12	CULVERT APRON AND RAMP (EAST) PLAN AND SECTIONS AT JACKSON AVE
S–13	CULVERT APRON RAMP RETAINING WALL DETAILS
S–14	CULVERT AND APRON PLAN AT CAPITOL EXPRESSWAY
S–15	CULVERT SECTIONS AT CAPITOL EXPRESSWAY
S–16	TRAFFIC PHASING SECTIONS AT CAPITOL EXPRESSWAY
S–17	CULVERT ELEVATIONS, SECTIONS & DETAILS AT CAPITOL EXPRESSWAY
S–17A	CULVERT SECTIONS & DETAILS AT CAPITOL EXPRESSWAY
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S–18	CULVERT SECTIONS & DETAILS AT CAPITOL EXPRESSWAY
S–19	APRON SECTION & DETAILS (WEST) AT CAPITOL EXPRESSWAY
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S–21	APRON SECTIONS AT CAPITOL EXPRESSWAY
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S–23	CULVERT AND APRON SECTIONS & DETAILS
S–24	CULVERT APRON AND RAMP PLAN & SECTION AT CAPITOL EXPRESSWAY
S–25	RAMP RETAINING WALL ELEVATIONS AT CAPITOL EXPRESSWAY
S–26	CULVERT AND APRON PLAN AT STORY ROAD
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S–30	CULVERT SECTIONS & DETAILS AT STORY ROAD
S–31	CULVERT CONCRETE BARRIER DETAILS AT STORY ROAD
S–32	L–WALL APRON SECTION & DETAILS AT STORY ROAD
S–33	APRON SECTION & DETAILS AT STORY ROAD
S–34	CULVERT SECTIONS AT STORY ROAD
S–35	CULVERT APRON AND RAMP PLAN & SECTION AT STORY ROAD
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S–37	PLAN, ELEVATION AND SECTION LYNDALE PEDESTRIAN BRIDGE
S–38	FOUNDATION PLAN LYNDALE PEDESTRIAN BRIDGE
S–39	ABUTMENT PLAN, ELEVATIONS & SECTIONS LYNDALE PEDESTRIAN BRIDGE
S–40	ABUTMENT PLAN, ELEVATIONS & SECTIONS LYNDALE PEDESTRIAN BRIDGE
S–41	TYPICAL DETAILS LYNDALE PEDESTRIAN BRIDGE
S–42	CULVERT APRON AND RAMP PLAN & SECTION AT MURTHA DRIVE
S–43	RAMP RETAINING WALL ELEVATIONS AT MURTHA DRIVE
S–44	CULVERT APRON AND RAMP PLAN & SECTION AT MOSS POINT DRIVE
S–45	PLAN & ELEVATION STA 131+26 TO 137+16
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S–47	PLAN & ELEVATION STA 142+05 TO 147+02
S–48	PLAN & ELEVATION STA 147+02 TO 152+02
S–49	PLAN & ELEVATION STA 152+02 TO 155+50
S–50	PLAN & ELEVATION STA 156+50 TO 161+02
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S–56	PLAN & ELEVATION STA 176+72 TO 179+72
S–57	PLAN & ELEVATION STA 179+72 TO 182+00
S–58	PLAN & ELEVATION STA 182+70 TO 187+27
S–59	PLAN & ELEVATION STA 187+27 TO 191+28
S–60	PLAN & ELEVATION STA 191+28 TO 195+27
S–61	PLAN & ELEVATION STA 195+27 TO 199+35
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S–63	PLAN & ELEVATION STA 203+24 TO 207+25
S–64	PLAN & ELEVATION STA 207+25 TO 211+30
S–65	PLAN & ELEVATION STA 211+30 TO 214+32
S–66	PLAN & ELEVATION STA 214+32 TO 217+20
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S–70	MISCELLANEOUS DETAILS I
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REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95126
408–296–5515
BCA

DATE 05–18–10
DESIGN A.W.R.
DRAWN S.M.H.
CHECKED A.P.N.

ENGINEERING CERTIFICATION
REGISTERED PROFESSIONAL ENGINEER – JOSHUA M. HAYNES – No. 2639 – Exp. 12/31/10 – STRUCTURAL – STATE OF CALIFORNIA
PROJECT ENGINEER 5/18/10 DATE

Santa Clara Valley Water District
ACCEPTED BY DISTRICT
Dennis Cheung 6/1/10
PROJECT ENGINEER DATE

PROJECT NAME AND SHEET DESCRIPTION:
LOWER SILVER CREEK REACHES 4, 5 & 6A
COVER, GENERAL NOTES

SCALE: AS SHOWN
VERIFY SCALES: 0 – 1" BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY
PROJECT NUMBER: 40264008
SHEET CODE: S–1
PAGE NUMBER: 85 OF 188

DOCUMENT NUMBER: CAD_XX–X–XXXX–XXXXX
FILENAME: W:\2001\2001093A\2001093AS1
4026 – 43074

GENERAL NOTES:

1. FOR DETAILS NOT NOTED ON DRAWINGS, SEE CALTRANS STANDARD PLANS (MAY 2006). STANDARD PLAN INDEX SHOWN ON S-1.
2. STRUCTURE BACKFILL SHALL NOT BE PLACED UNTIL STRUCTURAL WALL, OR OTHER PORTIONS OF STRUCTURE, HAS BEEN INSPECTED BY THE ENGINEER AND APPROVED FOR BACKFILLING.
3. NO BACKFILL MATERIAL SHALL BE DEPOSITED AGAINST THE BACK OF CONCRETE RETAINING WALLS OR THE OUTSIDE WALLS OF CAST-IN-PLACE CONCRETE STRUCTURES, UNTIL THE CONCRETE HAS DEVELOPED A STRENGTH OF NOT LESS THAN 2500 psi IN COMPRESSION AND THE CONCRETE HAVING BEEN IN PLACE FOR A MINIMUM OF 7 DAYS.

RCB CULVERT DESIGN NOTES:

1. THE CONCRETE BOX CULVERTS AND RELATED STRUCTURES SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE BRIDGE DESIGN SPECIFICATIONS LFD VERSION APRIL 2000. DEPTH OF COVER IS ASSUMED TO BE UNIFORM.
2. RCB CULVERT LOADING:
   DEAD LOAD:
   2' FILL

   LIVE LOAD:
   HS20-44 TRUCK
   IMPACT 20%
   OR
   10' FILL, NO HS20-44 TRUCK

   EARTH LOAD:
   100 pcf HORIZONTAL MAXIMUM
   35 pcf HORIZONTAL MINIMUM
   140 pcf VERTICAL
3. CONTRACTOR SHALL VERIFY ALL EXISTING FIELD CONDITIONS, LAYOUT, DIMENSIONS AND COORDINATION WITH CIVIL DRAWINGS PRIOR TO BEGINNING CONSTRUCTION OR ORDERING MATERIALS. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY.
4. REINFORCING STEEL SHALL CONFORM TO ASTM GRADE 60, SUPPLEMENT S1.
5. FALSEWORK SHALL REMAIN IN PLACE UNTIL ALL CONCRETE HAS REACHED ITS DESIGN STRENGTH WITH A MINIMUM OF 14 DAYS.
6. FOR ALL UTILITY RELOCATIONS SEE CIVIL DRAWINGS.
7. CONTROL JOINTS & CONSTRUCTION JOINTS SHALL BE PLACED PARALLEL TO JACKSON AVE CENTER LINE AT 30'-0" OC MAX.
   JOINTS IN WALLS AND TOP SLAB SHALL MATCH. SEE (1/S-9), (2/S-9) & (B0-3/3-2)
   FOR TYPICAL CONDITIONS. SEE' CIVIL' DRAWINGS FOR ELEVATION CONTROL.
8. EARTHWORK AND FOUNDATION PREPARATION SHALL BE IN ACCORDANCE WITH THE SOILS INVESTIGATION REPORT BY PARIKH CONSULTANTS, INC. DATED APRIL 22, 2002.
9. DESIGN CRITERIA:
   LOAD FACTOR DESIGN:
   fy = 60,000 psi
   f'c = 4,000 psi

   SHEAR STRENGTH, $Vc = 3.0\sqrt{f'c}$, psi

   FOR OTHER DESIGN LOADS AND LOAD COMBINATIONS, SEE CALTRAN'S STANDARD PLAN "D82".

   FOR DISTRIBUTION OF WHEEL LOADS IN BOX CULVERTS, SEE AASHTO LRFD 4TH ED. SECTION 4.6.2.10

   CONSTRUCTION LOADS:

   STRUTTING (TEMPORARY SHORING) SHALL BE REQUIRED NEAR TEMPORARY ENDS AT EXISTING AND NEW CULVERTS. FOR CONSTRUCTION LOADS AT CIP CULVERTS, SEE CALTRANS STANDARD PLAN "D88". CONTRACTOR TO VERIFY PRECAST CULVERT SEGMENTS ADEQUATE FOR CONSTRUCTION LOADS.

   STRUTTING (TEMPORARY SHORING) AT FIRST CELL NEXT TO THE NEW CULVERT ADDITION SHALL BE REQUIRED THROUGHOUT THE LENGTH OF EACH STAGE CONSTRUCTIONS PLUS TEN FEET ON EACH SIDE, FOR THE CONSTRUCTION LOADS. FOR CONSTRUCTION LOADS AT CULVERTS, SEE CALTRANS STANDARD PLAN "D88".

ACCESS RAMP WALL (CIDH PILE) GENERAL NOTES:

DESIGN: NATIONAL ENGINEERING MANUAL PART 536 STRUCTURAL ENGINEERING WORKING STRESS DESIGN METHOD NEH 6 CHAPTER 4

WORKING STRESS DESIGN:
fc = 1,600 psi
f'c = 4,000 psi
fy = 60,000 psi (40,000 psi FOR DESIGN)
fs = 20,000 psi

EARTH LOAD: ϑ SAT = 125 PCF
Ka = 0.4, 50 PCF ACTIVE

SURCHARGE LOADING: 2 FOOT LEVEL EARTH

SEISMIC EARTH LOAD: 45H APPLIED AS INVERTED TRIANGLE

SOIL PROFILE: SEE GEOTECH REPORT PREPARED BY PARIKH CONSULTANTS, INC, DATED MARCH 2010

AT CONTRACTOR'S OPTION, SHOTCRETE MEETING THE STRENGTH REQUIREMENTS OUTLINED ABOVE, AND MEETING THE REQUIREMENTS OF THE SPECIAL PROVISIONS OF THE SPECIFICATIONS MAY BE USED FOR ALL OR PARTS OF THESE STRUCTURES, IN LIEU OF POURED IN PLACE CONCRETE.

CRANE PAD GENERAL NPOTES:

CRANE LOAD: 33 K POINT LOAD APPLIED AT ANY LOCATION NOT CONCURRENT WITH 100 PSF LIVE LOAD.

LIVE LOAD: 100 PSF UNIFORM

U-CHANNEL GENERAL NOTES (STA 127+94 TO 130+35 AND 131+25 TO 131+50):

DESIGN: NATIONAL ENGINEERING MANUAL PART 536 STRUCTURAL ENGINEERING WORKING STRESS DESIGN METHOD NEH 6 CHAPTER 4

LIVE LOADING: SURCHARGE: 2 FOOT LEVEL EARTH

EARTH LOADS: ϑ SAT = 125 PCF
Ka = 0.4 50 PCF ACTIVE
Ko = 0.75 94 PCF ACTIVE

SEISMIC EARTH LOADS: 45H APPLIED AS INVERTED TRIANGLE

REINFORCED CONCRETE: WORKING STRESS DESIGN:
f'c = 4,000 psi
fy = 60,000 psi (40,000 psi FOR DESIGN)
fs = 20,000 psi

FOOTING PRESSURE: ALLOWABLE BEARING CAPACITY (NET)
= 1,500 psf SATURATED
= 4,000 psf UNSATURATED
SOIL SUBGRADE MODULUS = 100 kcf

SOIL PROFILE: SEE GEOTECH REPORT PREPARED BY PARIKH CONSULTANTS, INC, DATED MARCH 2010

AT CONTRACTOR'S OPTION, SHOTCRETE MEETING THE STRENGTH REQUIREMENTS OUTLINED ABOVE, AND MEETING THE REQUIREMENTS OF THE SPECIAL PROVISIONS OF THE SPECIFICATIONS MAY BE USED FOR ALL OR PARTS OF THESE STRUCTURES, IN LIEU OF POURED IN PLACE CONCRETE.

UNLESS NOTED OTHERWISE TRANSVERSE REINFORCEMENT SHALL BE PLACED PARALLEL TO JACKSON AVE CENTER LINE, AND SPACING SHALL BE MEASURED ALONG SILVER CREEK CENTER LINE.

CANTILEVER RETAINING WALL GENERAL NOTES (STA 131+25 TO 132+73 AND 156+71 TO 157+77):

DESIGN: NATIONAL ENGINEERING MANUAL PART 536 STRUCTURAL ENGINEERING WORKING STRESS DESIGN METHOD NEH 6 CHAPTER 4

LIVE LOADING: SURCHARGE: 2 FOOT LEVEL EARTH

EARTH LOADS: ϑ SAT = 125 PCF
Ka = 0.4 50 PCF ACTIVE
Ko = 0.75 94 PCF ACTIVE

REINFORCED CONCRETE: ALLOWABLE STRESS DESIGN:
f'c = 4,000 psi
fy = 60,000 psi (40,000 psi FOR DESIGN)
fc = 1,600 psi
fs = 20,000 psi
n = 8

FOOTING PRESSURE: ALLOWABLE BEARING CAPACITY (NET)
= 1,500 psf SATURATED
= 4,000 psf UNSATURATED

SOIL PROFILE: SEE GEOTECH REPORT PREPARED BY PARIKH CONSULTANTS, INC, DATED MARCH 2010

AT CONTRACTOR'S OPTION, SHOTCRETE MEETING THE STRENGTH REQUIREMENTS OUTLINED ABOVE, AND MEETING THE REQUIREMENTS OF THE SPECIAL PROVISIONS OF THE SPECIFICATIONS MAY BE USED FOR ALL OR PARTS OF THESE STRUCTURES, IN LIEU OF POURED IN PLACE CONCRETE.

UNLESS NOTED OTHERWISE TRANSVERSE REINFORCEMENT SHALL BE PLACED PARALLEL TO JACKSON AVE CENTER LINE, AND SPACING SHALL BE MEASURED ALONG SILVER CREEK CENTER LINE.

DRILLED PIER WALL GENERAL NOTES:

DESIGN: NATIONAL ENGINEERING MANUAL PART 536 STRUCTURAL ENGINEERING WORKING STRESS DESIGN METHOD NEH 6 CHAPTER 4

EARTH LOADS: ϑ SAT = 125 PCF
Ka = 0.4 50 PCF ACTIVE
Ko = 0.75 94 PCF ACTIVE
SURCHARGE = 2500 PSF APPLIED VERTICALLY AT 1'-6" BELOW GRADE, SETBACK 5'-0" FROM R/W TYP, SET BACK 0'-0" FROM R/W FROM COMMERCIAL ZONED LOTS.

SEISMIC = 45H APPLIED AS INVERTED TRIANGLE PLUS 0.6 x WEIGHT OF CONCRETE WALL.

SOIL PROFILE: SEE GEOTECH REPORT PREPARED BY PARIKH CONSULTANTS, INC, DATED MARCH 2010

REINFORCED CONCRETE: WORKING STRESS DESIGN
f'c = 4000 psi
fy = 60,000 psi (40,000 psi FOR DESIGN)
fs = 20,000 psi

AT CONTRACTOR'S OPTION, SHOTCRETE MEETING THE STRENGTH REQUIREMENTS OUTLINED ABOVE, AND MEETING THE REQUIREMENTS OF THE SPECIAL PROVISIONS OF THE SPECIFICATIONS MAY BE USED FOR ALL OR PARTS OF THESE STRUCTURES, IN LIEU OF POURED IN PLACE CONCRETE.

SOLDIER PILE WALL GENERAL NOTES:

DESIGN: NATIONAL ENGINEERING MANUAL PART 536 STRUCTURAL ENGINEERING WORKING STRESS DESIGN METHOD NEH 6 CHAPTER 4

EARTH LOADS: ϑ SAT = 125 PCF
Ka = 0.4 50 PCF ACTIVE
Ko = 0.75 94 PCF ACTIVE
SURCHARGE = 2500 PSF APPLIED VERTICALLY AT 1'-6" BELOW GRADE, SETBACK 5'-0" FROM R/W TYP, SET BACK 0'-0" FROM R/W FROM COMMERCIAL ZONED LOTS.

SEISMIC = 45H APPLIED AS INVERTED TRIANGLE PLUS 0.6 x WEIGHT OF CONCRETE WALL.

SOIL PROFILE: SEE GEOTECH REPORT PREPARED BY PARIKH CONSULTANTS, INC, DATED MARCH 2010

REINFORCED CONCRETE: WORKING STRESS DESIGN
f'c = 4000 psi
fy = 60,000 psi (40,000 psi FOR DESIGN)
fs = 20,000 psi

STRUCTURAL STEEL: fy = 50,000 psi

WELDED HEADED STUDS: ASTM A108
DESIGNED PER ACI 318.05 APPENDIX D

LEAN CONCRETE: f'c 1500 psi

TIMBER LAGGING: DOUGLAS FIR No. 1, PRESSURE TREATED

AT CONTRACTOR'S OPTION, SHOTCRETE MEETING THE STRENGTH REQUIREMENTS OUTLINED ABOVE, AND MEETING THE REQUIREMENTS OF THE SPECIAL PROVISIONS OF THE SPECIFICATIONS MAY BE USED FOR ALL OR PARTS OF THESE STRUCTURES, IN LIEU OF POURED IN PLACE CONCRETE.

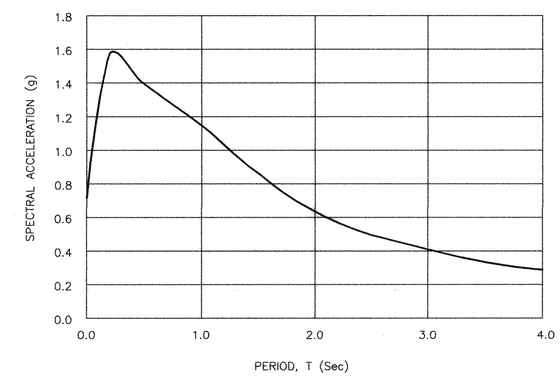
LYNDALE PEDESTRIAN BRIDGE AND ABUTMENTS GENERAL NOTES:

DESIGN: BRIDGE DESIGN SPECIFICATIONS LFD VERSION, APRIL 2000.

LIVE LOADING: 85 psf UNIFORM LIVE LOADING ON FULL DECK AREA OR ONE 10,000lb VEHICLE PLUS IMPACT LOAD. DISTRIBUTED AS A FOUR-WHEEL VEHICLE WITH 80% OF THE LOAD ON THE REAR WHEELS.

WIND LOADING: 75 psf ON THE FULL HEIGHT OF THE BRIDGE AS IF ENCLOSED 20 psf UPWARD FORCE APPLIED AT THE WINDWARD QUARTER POINT OF THE TRANSVERSE BRIDGE WIDTH.

SEISMIC LOADING: ARS CURVE GENERATED USING USGS 2008 DEAGGREGATION (BETA) METHOD



ARS DESIGN CURVE
NO SCALE

ABUTMENT/FLOODWALL DESIGN: NATIONAL ENGINEERING MANUAL PART 536 STRUCTURAL ENGINEERING WORKING STRESS DESIGN METHOD NEH 6 CHAPTER 4

EARTH LOADS: ϑ SAT = 125 PCF
Ka = 0.4 50 PCF ACTIVE
Ko = 0.75 94 PCF ACTIVE

SEISMIC EARTH LOAD: 45M APPLIED AS INVERTED TRIANGLE

WORKING STRESS DESIGN: fc = 1,600 psi
f'c = 4,000 psi
fy = 60,000 psi (40,000 psi FOR DESIGN)
fs = 20,000 psi

SOIL PROFILE: SEE GEOTECH REPORT PREPARED BY PARIKH CONSULTANTS, INC, DATED MARCH 2010

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95126
408-296-5515
BCA

DATE 05-18-10
DESIGN D.L.L.
DRAWN S.M.H.
CHECKED A.P.N.

ENGINEERING CERTIFICATION
REGISTERED PROFESSIONAL ENGINEER ASHISH M PARIKH No. 2639 Exp. 12/31/10 STRUCTURAL STATE OF CALIFORNIA
PROJECT ENGINEER 5/18/10 DATE

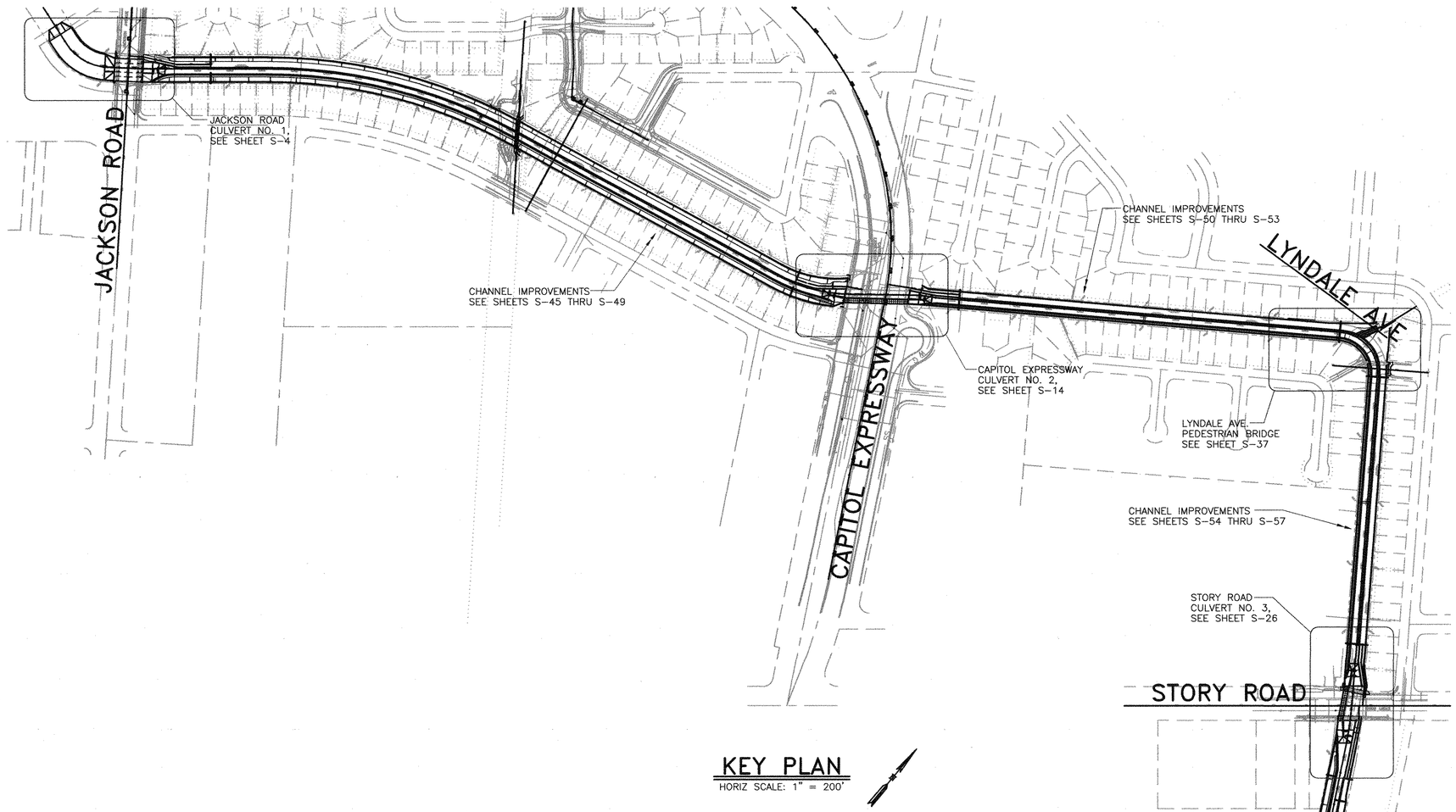
Santa Clara Valley Water District
ACCEPTED BY DISTRICT
Dennis Chang 6/1/10
PROJECT ENGINEER DATE

PROJECT NAME AND SHEET DESCRIPTION:
LOWER SILVER CREEK REACHES 4, 5 & 6A
GENERAL NOTES, STRUCTURAL INFORMATION

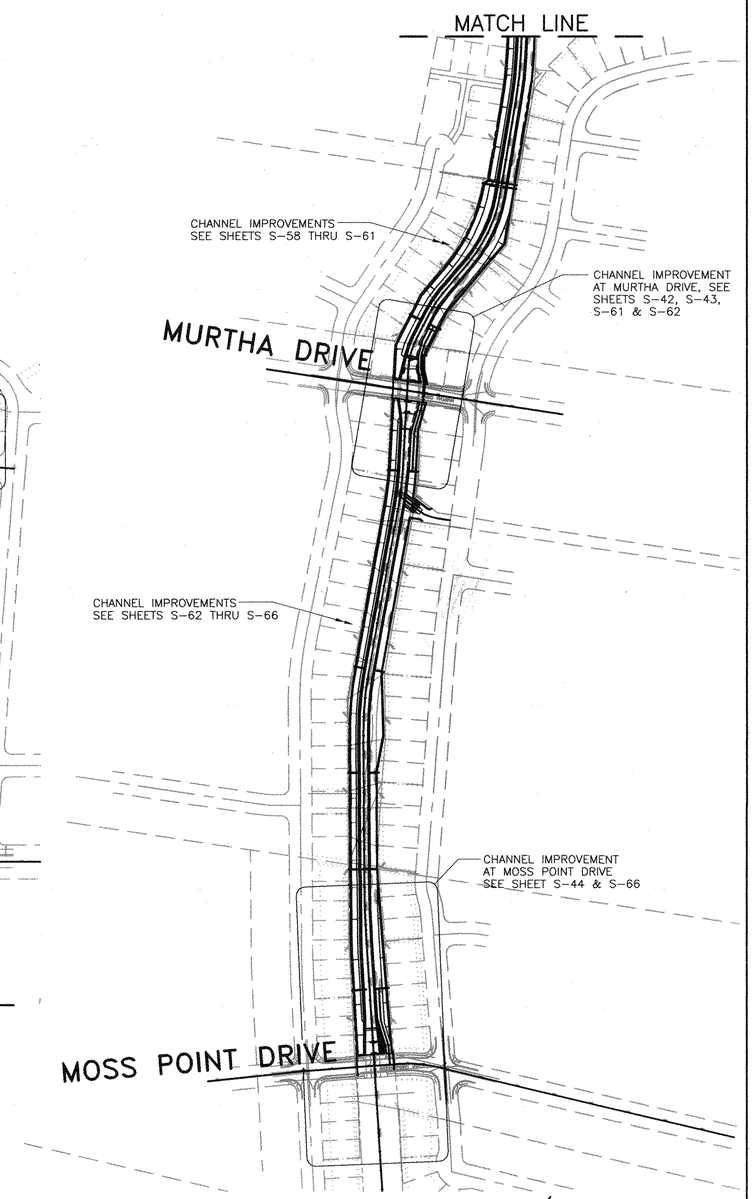
SCALE: AS SHOWN
VERIFY SCALES: 0 1"
BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

PROJECT NUMBER: 40264008
SHEET CODE: S-2
PAGE NUMBER: 86 OF 188

DOCUMENT NUMBER: CAD_XX-X-XXXX-XXXXX
FILENAME: W:\2001\2001093A\2001093AS2
4026 - 93075



KEY PLAN
HORIZ SCALE: 1" = 200'



KEY PLAN
HORIZ SCALE: 1" = 200'

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95126
408-296-5515
BCA

DATE	
05-18-10	
DESIGN	A.W.R.
DRAWN	S.M.H.
CHECKED	A.P.N.

ENGINEERING CERTIFICATION
REGISTERED PROFESSIONAL ENGINEER ANDRASH M. HATHAWAY No. 2639 Exp. 12/31/10 STRUCTURAL STATE OF CALIFORNIA
PROJECT ENGINEER 5/18/10 DATE

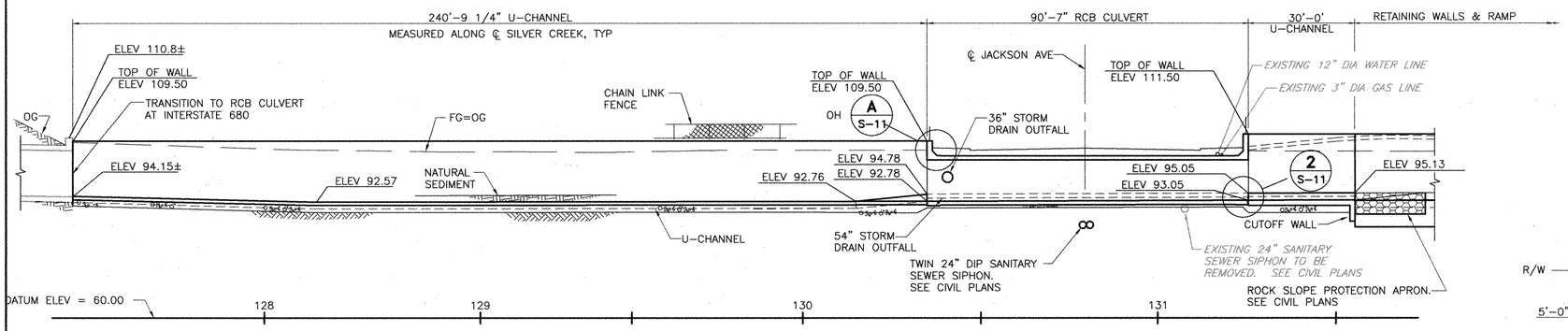
Santa Clara Valley Water District
ACCEPTED BY DISTRICT
Dennis Cheong 6/1/10
PROJECT ENGINEER DATE

PROJECT NAME AND SHEET DESCRIPTION:
LOWER SILVER CREEK REACHES 4, 5 & 6A
GENERAL PLAN

SCALE: AS SHOWN
VERIFY SCALES: 0 — 1"
BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

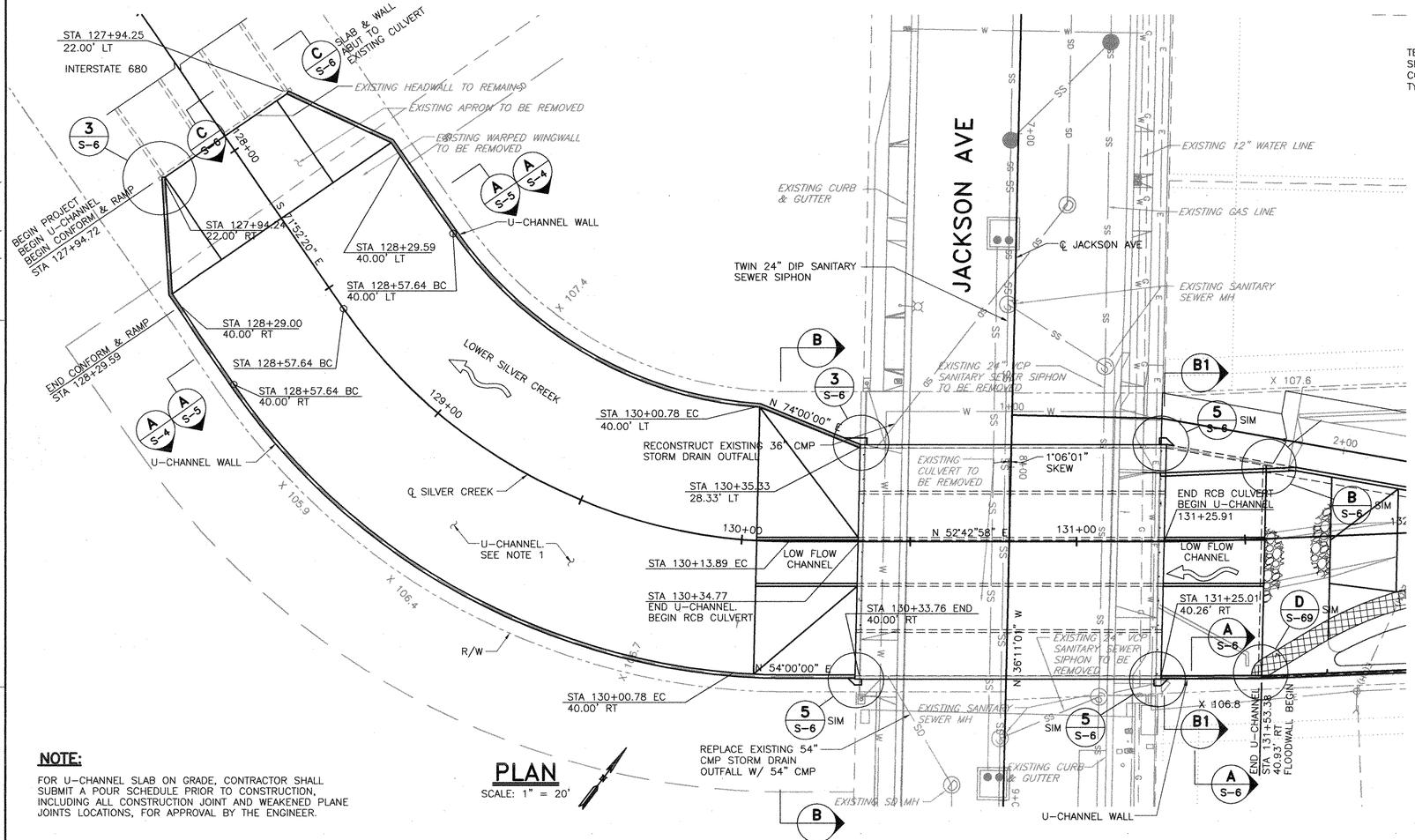
PROJECT NUMBER: 40264008
SHEET CODE: S-3
PAGE NUMBER: 87 OF 188

DOCUMENT NUMBER: CAD_XX-X-XXXX-XXXXX
FILENAME: W:\2001\2001093A\2001093AS3
9026-43076



DEVELOPED LONGITUDINAL SECTION

SCALE: 1" = 20'

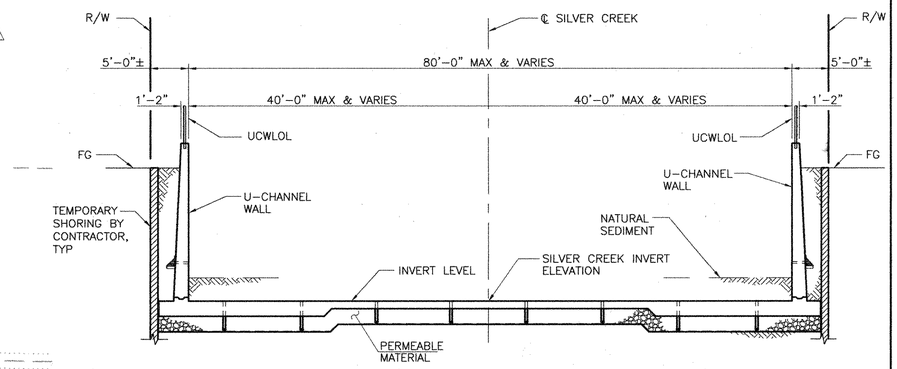


PLAN

SCALE: 1" = 20'

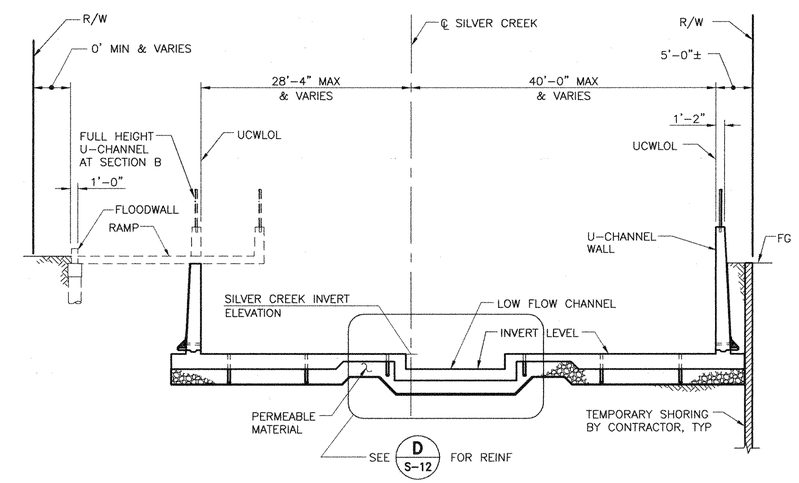
NOTE:

FOR U-CHANNEL SLAB ON GRADE, CONTRACTOR SHALL SUBMIT A POUR SCHEDULE PRIOR TO CONSTRUCTION, INCLUDING ALL CONSTRUCTION JOINT AND WEAKENED PLANE JOINTS LOCATIONS, FOR APPROVAL BY THE ENGINEER.



TYPICAL SECTION (A)

1" = 10'-0"



TYPICAL SECTION (B) (B1)

1" = 10'-0"

AT CRANE PAD SEE B S-11

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95126
408-296-5515
BCA

DATE	05-18-10
DESIGN	D.L.L.
DRAWN	S.M.H.
CHECKED	A.P.N.

ENGINEERING CERTIFICATION
REGISTERED PROFESSIONAL ENGINEER ASHISH M. RATNA No. 2639 Exp. 12/31/10 STRUCTURAL STATE OF CALIFORNIA
PROJECT ENGINEER — DATE 5/18/10

Santa Clara Valley Water District
ACCEPTED BY DISTRICT
Dennis Chong — 6/1/10
PROJECT ENGINEER — DATE

PROJECT NAME AND SHEET DESCRIPTION:

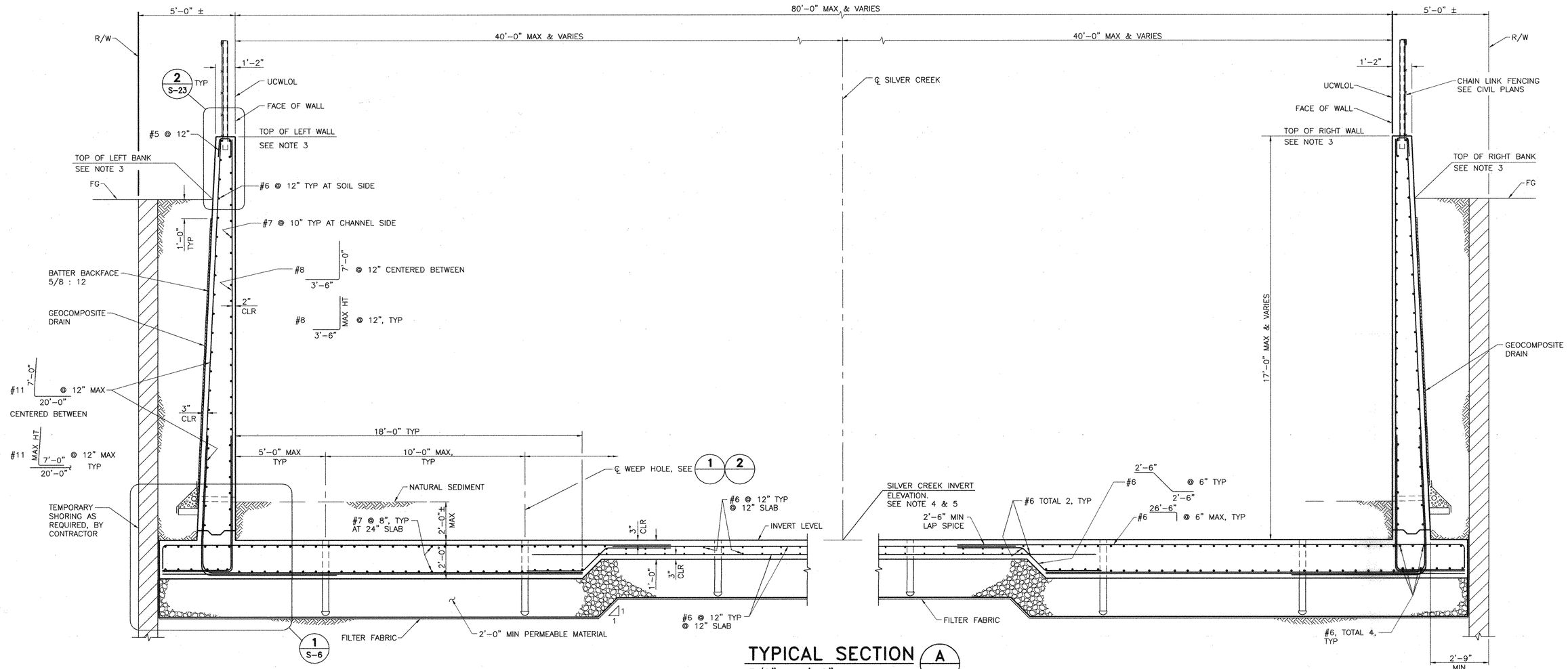
LOWER SILVER CREEK REACHES 4, 5 & 6A

U-CHANNEL
PLAN, ELEVATION & SECTIONS
STA 127+94.72 TO 130+34.77

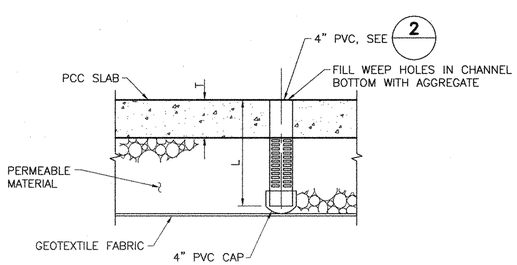
SCALE: AS SHOWN
VERIFY SCALES: 0 — 1"
BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

PROJECT NUMBER: 40264008
SHEET CODE: S-4
PAGE NUMBER: 88 OF 188

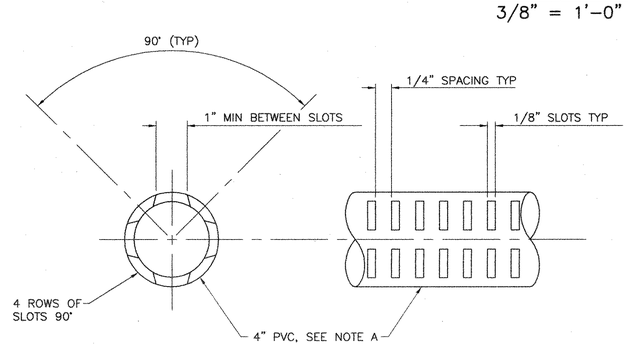
DOCUMENT NUMBER: CAD_XX-X-XXXX-XXXXX
4026 - 43077
FILENAME: W:\2001\2001093A\2001093AS4



TYPICAL SECTION A
3/8" = 1'-0"



DETAIL 1 CONCRETE CHANNEL LINING WEEP HOLE
NO SCALE



DETAIL 2 POLYVINYL CHLORIDE (PVC) DRAIN PIPE WEEP HOLES
NO SCALE

TABLE FOR 4" DIA POLYVINYL CHLORIDE (PVC) WEEP HOLES

CHANNEL SECTION	T THICKNESS (INCHES)	L LENGTH OF PIPE (INCHES)	NUMBER OF SLOTS PER ROW MIN
U-CHANNEL	12	36	4
U-CHANNEL	24	48	4
RCB CULVERT	13 1/2	22 1/2	4

NOTES:

A. WEEP HOLES SHALL BE 4" POLYVINYL CHLORIDE (PVC) DRAIN PIPE

B. SPACE WEEP HOLES LONGITUDINALLY AT 10' WITH A TWO FOOT THICK BLANKET OF PERMEABLE MATERIAL BENEATH CONCRETE U-CHANNEL INVERT AND A CONTINUOUS 9" BLANKET OF PERMEABLE MATERIAL UNDER RCB CULVERT AND RAMPS

C. CUT PVC FLUSH WITH FACE OF PCC CHANNEL LINING AND BASE SLAB

NOTES:

1. PROVIDE EXPANSION JOINTS WITH WATERSTOPS PER B0-3/3-4 AT 96'-0" MAX MEASURED ALONG FACE OF WALL (WALL STEMS ONLY)
2. PROVIDE WEAKENED PLANE JOINTS PER 5/S-6 AT 24'-0" MAX MEASURED ALONG FACE OF WALL (WALL STEMS ONLY)
3. FOR TOP OF WALL, TOP OF BANK, FINISH GRADE AND INVERT ELEVATIONS, SEE 'PLAN & PROFILE' SHEET OF CIVIL PLANS. TOP OF WALL IS SHOWN AS TOP OF DRILLED PIER WALL IN CIVIL PLANS MAX WALL HEIGHT = 17'-0"
4. BOTTOM SLAB MUST BE COMPLETE BEFORE PLACEMENT OF BACKFILL
5. FOR U-CHANNEL SLAB ON GRADE, CONTRACTOR SHALL SUBMIT A POUR SCHEDULE PRIOR TO CONSTRUCTION, INCLUDING ALL CONSTRUCTION JOINT AND WEAKENED PLANE JOINTS LOCATIONS, FOR APPROVAL BY THE ENGINEER.

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95126
408-296-5515
BCA

DATE 05-18-10
DESIGN R.G.S.
DRAWN S.M.H.
CHECKED A.P.N.

ENGINEERING CERTIFICATION
REGISTERED PROFESSIONAL ENGINEER ANWAR M. HATEM No. 2639 Exp. 12/31/10 STRUCTURAL STATE OF CALIFORNIA
PROJECT ENGINEER 5/18/10 DATE

Santa Clara Valley Water District
ACCEPTED BY DISTRICT
Dennis Cheung 6/11/10
PROJECT ENGINEER DATE

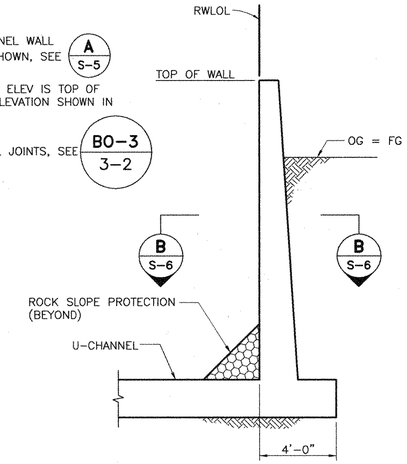
PROJECT NAME AND SHEET DESCRIPTION:
LOWER SILVER CREEK REACHES 4, 5 & 6A
U-CHANNEL SECTIONS & DETAILS
STA 127+94.72 TO 130+34.77

SCALE: AS SHOWN
VERIFY SCALES: 0 1"
BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY
PROJECT NUMBER: 40264008
SHEET CODE: S-5
PAGE NUMBER: 89 OF 188

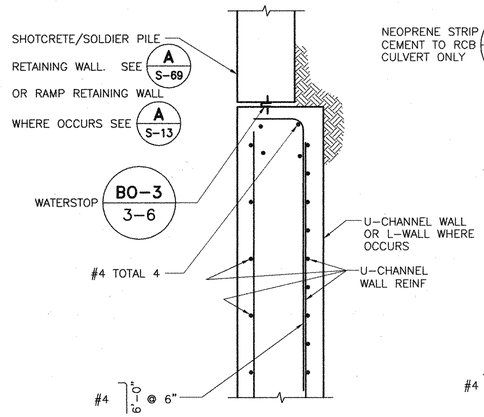
DOCUMENT NUMBER: CAD_XX-X-XXXX-XXXXX
FILENAME: W:\2001\2001093A\2001093A55
4026-43078

NOTES:

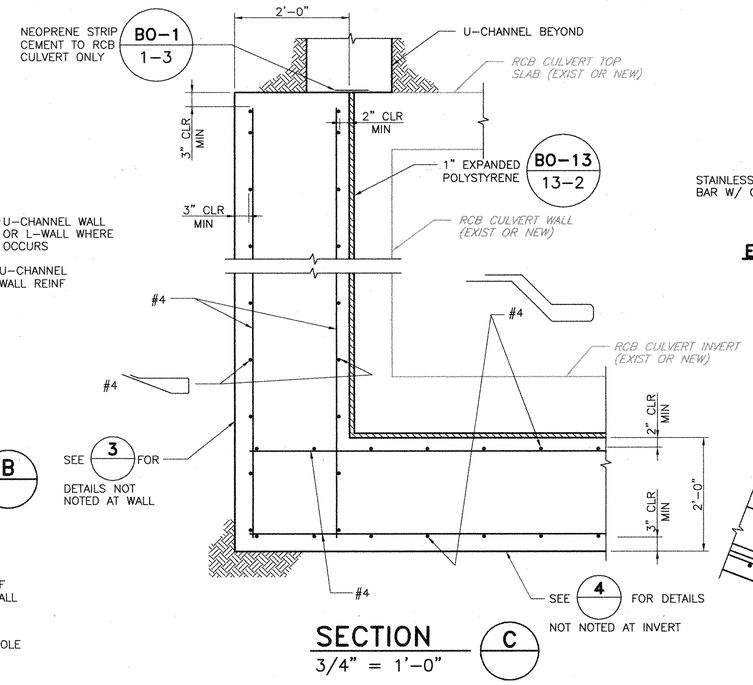
1. FOR U-CHANNEL WALL REINF NOT SHOWN, SEE A / S-5
2. TOP OF WALL ELEV IS TOP OF FLOODWALL ELEVATION SHOWN IN CIVIL PLANS
3. FOR CONTROL JOINTS, SEE BO-3 / 3-2



SECTION A
NO SCALE



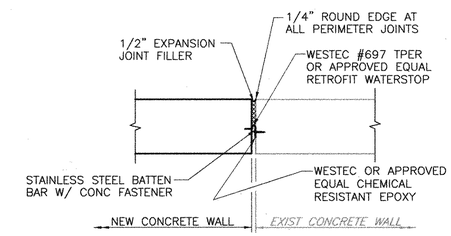
SECTION B
3/4" = 1'-0"



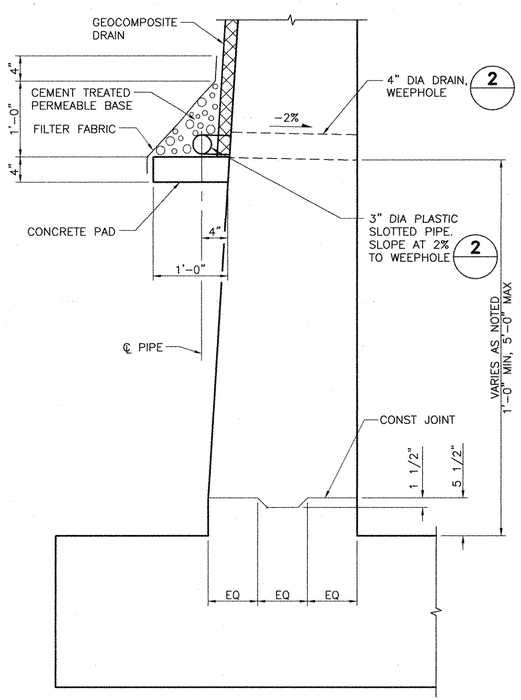
SECTION C
3/4" = 1'-0"

DRAINAGE NOTES

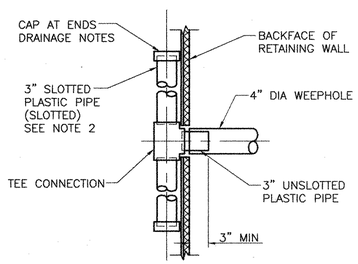
1. LOCATE 4" WEEPHOLES AT INTERMEDIATE SAG POINTS IN SLOTTED PIPE AND AT 25' MAX CENTER TO CENTER
2. GEOCOMPOSITE DRAIN, CEMENT TREATED PERMEABLE BASE, AND 3" PLASTIC PIPE (SLOTTED) SHALL BE CONTINUOUS BEHIND RETAINING WALL OR CHANNEL LINING, UNLESS NOTED OTHERWISE. CAP ENDS OF 3" PLASTIC PIPE (SLOTTED). PROVIDE "TEE" CONNECTION AT EACH 4" DIA WEEPHOLE.
3. LOCATE EXPOSED END OF 4" WEEPHOLES 1'-0"± ABOVE



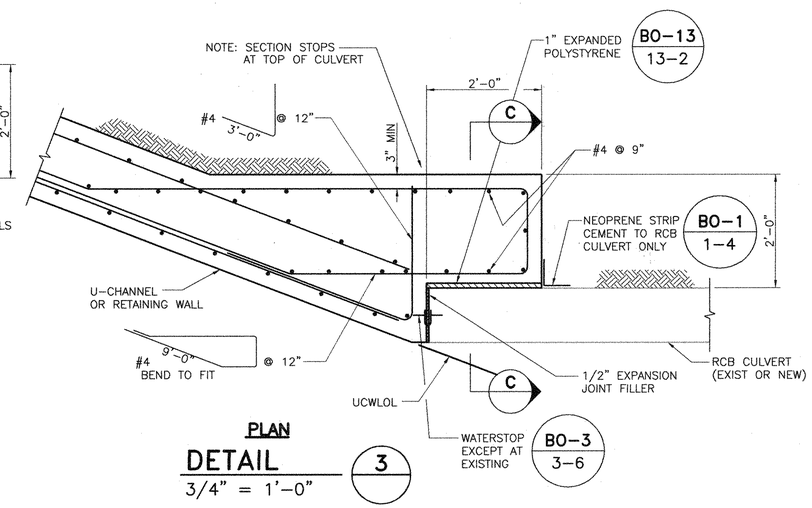
EXPANSION JOINT AT EXISTING CONCRETE



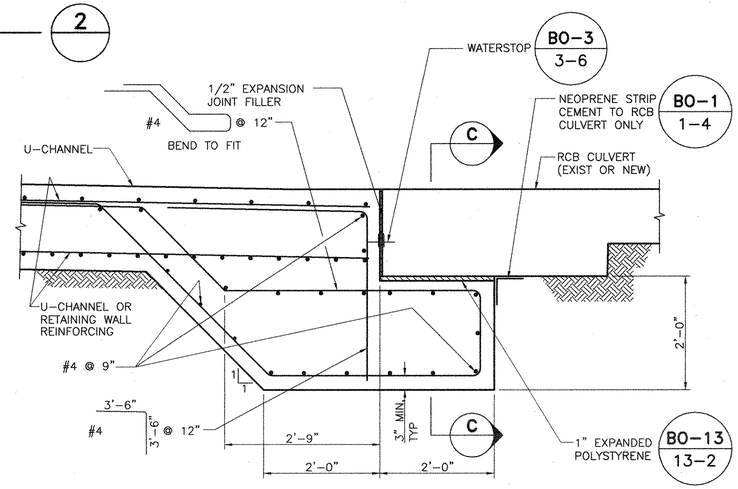
DETAIL 1
1" = 1'-0"



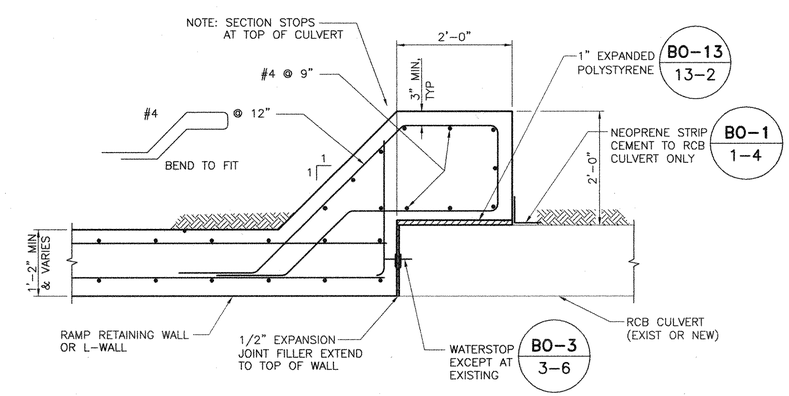
DETAIL 2
NO SCALE



PLAN
DETAIL 3
3/4" = 1'-0"



PLAN
DETAIL 4
3/4" = 1'-0"



DETAIL 5
3/4" = 1'-0"

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95126
408-296-5515
BCA

DATE
05-18-10
DESIGN
D.L.L.
DRAWN
S.M.H.
CHECKED
A.P.N.

ENGINEERING CERTIFICATION
REGISTERED PROFESSIONAL ENGINEER SHAWSH M. NATHANI No. 2639 Exp. 12/31/10 STRUCTURAL STATE OF CALIFORNIA
PROJECT ENGINEER — DATE 5/18/10

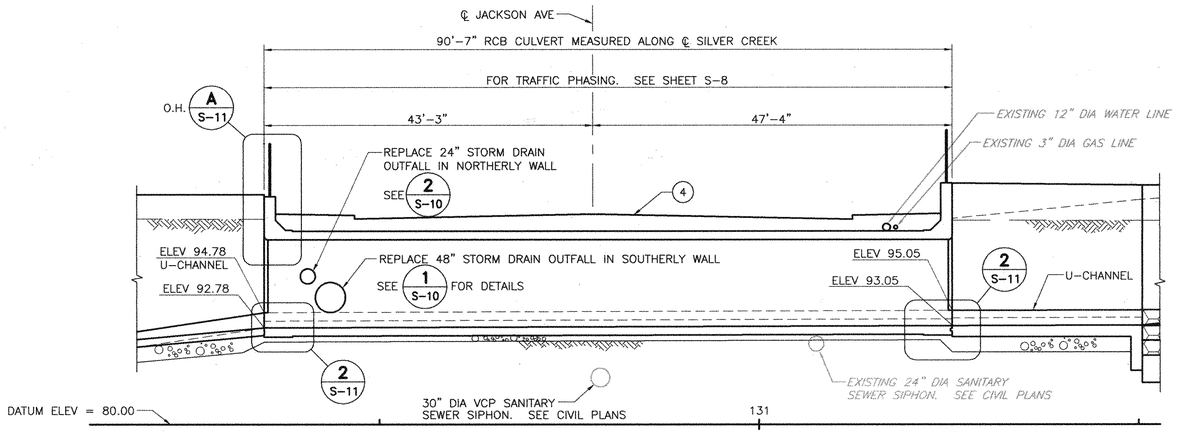
Santa Clara Valley Water District
ACCEPTED BY DISTRICT
Dennis Cheung — 6/11/10
PROJECT ENGINEER — DATE

PROJECT NAME AND SHEET DESCRIPTION:
LOWER SILVER CREEK REACHES 4, 5 & 6A
CULVERT DETAILS AT JACKSON AVE

SCALE: AS SHOWN
VERIFY SCALES: 0 — 1"
BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

PROJECT NUMBER: 40264008
SHEET CODE: S-6
PAGE NUMBER: 90 OF 188

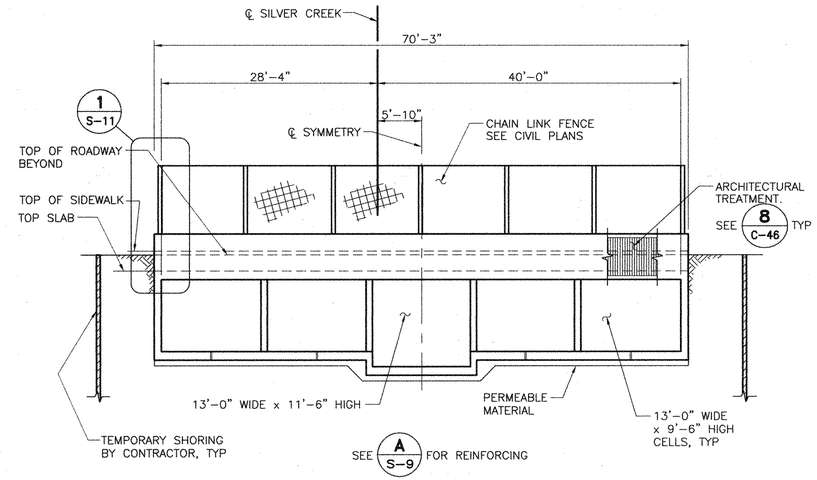
DOCUMENT NUMBER: CAD_XX-X-XXXX-XXXXX
FILENAME: W:\2001\2001093A\2001093AS6
4026 - 43079



LONGITUDINAL SECTION

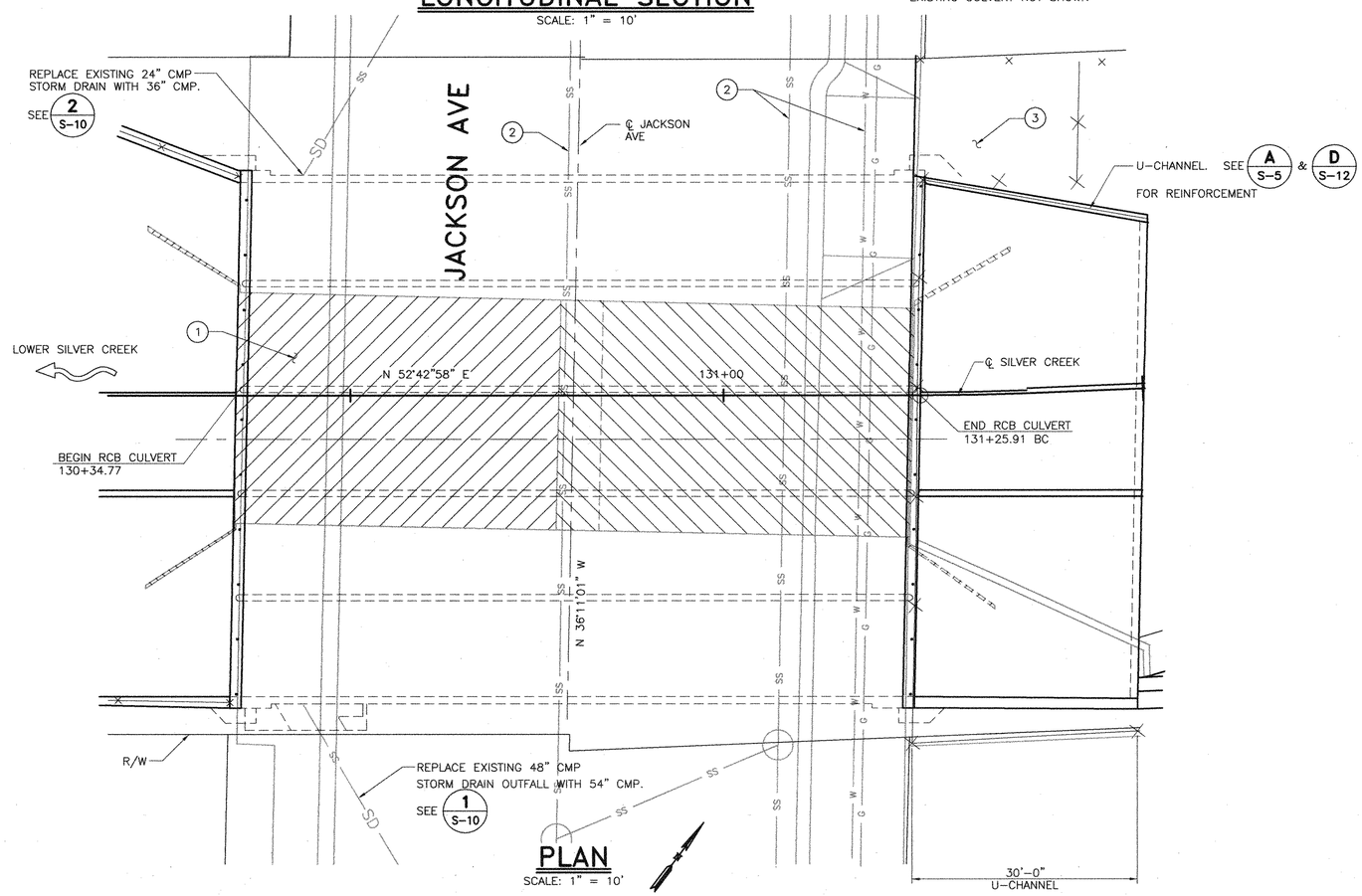
SCALE: 1" = 10'

NOTE:
EXISTING CULVERT NOT SHOWN



TYPICAL SECTION

SCALE: 1" = 10'



PLAN

SCALE: 1" = 10'

LEGEND:

—— W ——	INDICATES EXIST 12" DIA WATER LINE
—— SS ——	INDICATES SANITARY SEWER
—— G ——	INDICATES EXIST GAS LINE
—— SD ——	INDICATES EXIST STORM DRAIN
—— E(OH) ——	INDICATES EXIST OVERHEAD ELECTRIC LINE
▨	INDICATES EXISTING RCB CULVERT TO BE REMOVED

NOTES:

1. EXISTING DOUBLE 9'x15' RCB CULVERT AND WING WALLS TO BE REMOVED. FOR DEMOLITION, SEE CIVIL PLANS
2. FOR ALL UTILITY RELOCATIONS SEE CIVIL PLANS
3. CONCRETE RAMP, SEE 'CULVERT APRON AND RAMP (EAST)' SHEET S-12
4. FOR FINISH GRADE OF AC, TOP OF CURB, AND FLOW LINE ELEVATION, SEE CIVIL PLANS
5. FOR GENERAL NOTES, SEE 'STRUCTURAL GENERAL NOTES' SHEET

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95126
408-296-5515
BCA

DATE	05-18-10
DESIGN	D.L.L.
DRAWN	S.M.H.
CHECKED	A.P.N.

ENGINEERING CERTIFICATION
REGISTERED PROFESSIONAL ENGINEER ASHISH M. HANDA No. 2639 Exp. 12/31/10 STRUCTURAL STATE OF CALIFORNIA
PROJECT ENGINEER — DATE 5/18/10

Santa Clara Valley Water District
ACCEPTED BY DISTRICT
Dennis Cheung 6/1/10
PROJECT ENGINEER — DATE

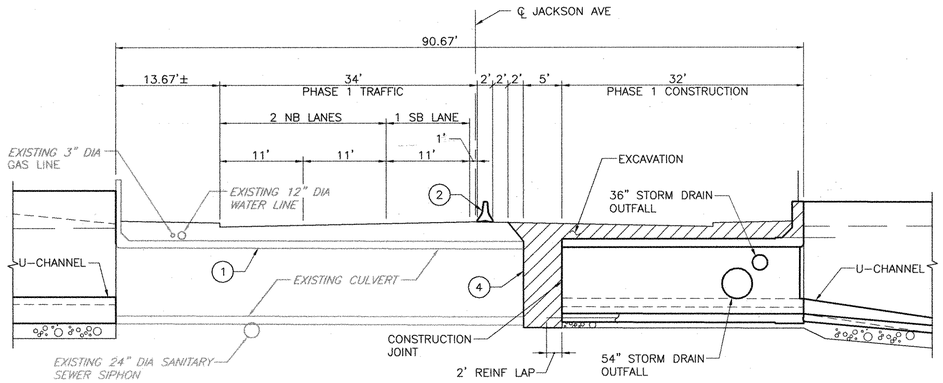
PROJECT NAME AND SHEET DESCRIPTION:

LOWER SILVER CREEK REACHES 4, 5 & 6A

CULVERT SECTIONS AND DETAILS AT JACKSON AVE

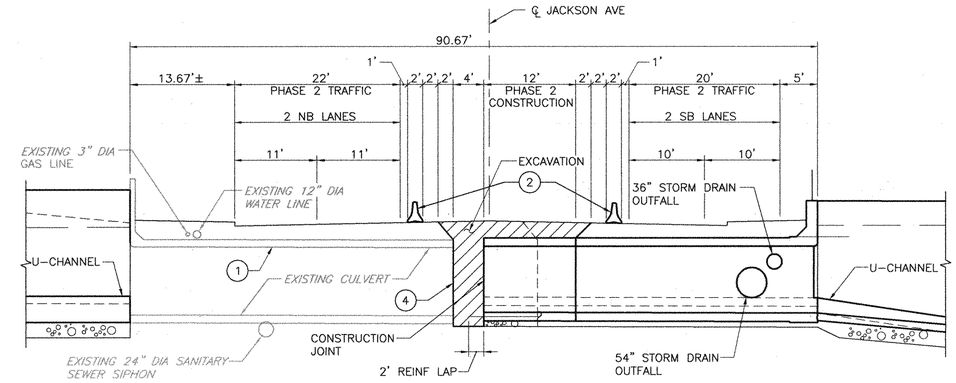
SCALE	PROJECT NUMBER
AS SHOWN	40264008
VERIFY SCALES 0 1" BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	SHEET CODE: S-7
	PAGE NUMBER: 91 OF 188

DOCUMENT NUMBER: CAD_XX-X-XXXX-XXXXX
FILENAME: W:\2001\2001093A\2001093AS7
4026 - 43080



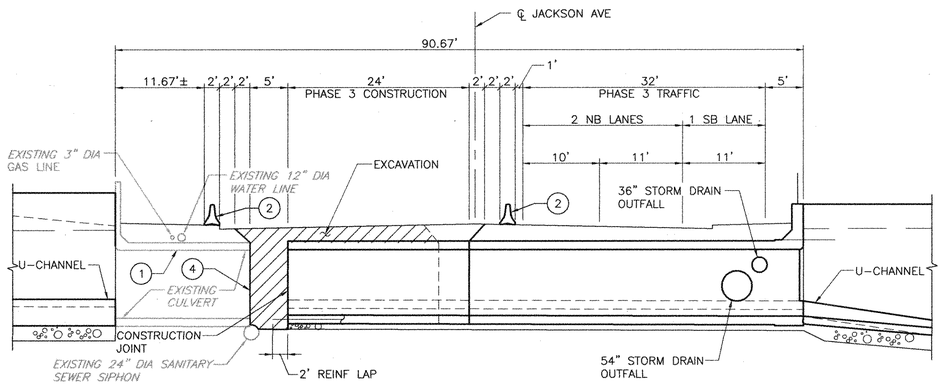
LONGITUDINAL SECTION PHASE 1

SCALE: 1" = 10'



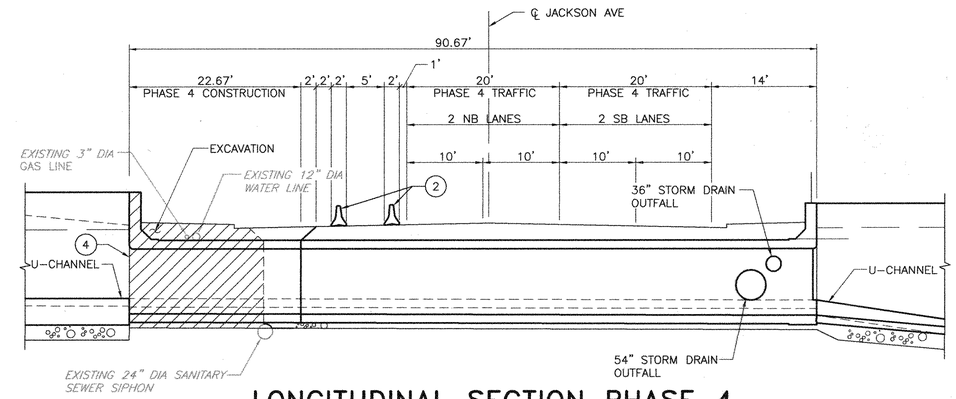
LONGITUDINAL SECTION PHASE 2

SCALE: 1" = 10'



LONGITUDINAL SECTION PHASE 3

SCALE: 1" = 10'



LONGITUDINAL SECTION PHASE 4

SCALE: 1" = 10'

NOTES:

1. EXISTING DOUBLE 9'X15' RCB CULVERT TO BE REMOVED.
2. TEMPORARY K-RAILING DURING CONSTRUCTION SEE CIVIL PLANS FOR LAYOUT
3. FOR ALL UTILITY RELOCATIONS SEE CIVIL PLANS
4. TEMPORARY SHORING BY CONTRACTOR
5. FOR FINISH GRADE OF AC, TOP OF CURB, AND FLOW LINE ELEVATION, SEE CIVIL PLANS

LEGEND:

—— W ——	INDICATES EXIST 12" DIA WATER LINE
—— SS ——	INDICATES SANITARY SEWER
—— G ——	INDICATES EXIST GAS LINE
—— SD ——	INDICATES EXIST STORM DRAIN
— — — E(OH) —	INDICATES EXIST OVERHEAD ELECTRIC LINE
(hatched)	INDICATES EXCAVATION DURING SHORING

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95126
408-296-5515
BCA

DATE	05-18-10
DESIGN	C.V.
DRAWN	S.M.H.
CHECKED	A.P.N.

ENGINEERING CERTIFICATION
REGISTERED PROFESSIONAL ENGINEER — ANTHONY M. TARPOSKI — No. 2639 — Exp. 12/31/10 — STRUCTURAL — STATE OF CALIFORNIA
PROJECT ENGINEER — DATE 5/18/10

Santa Clara Valley Water District
ACCEPTED BY DISTRICT
Dennis Cheung — 6/1/10
PROJECT ENGINEER — DATE

PROJECT NAME AND SHEET DESCRIPTION:

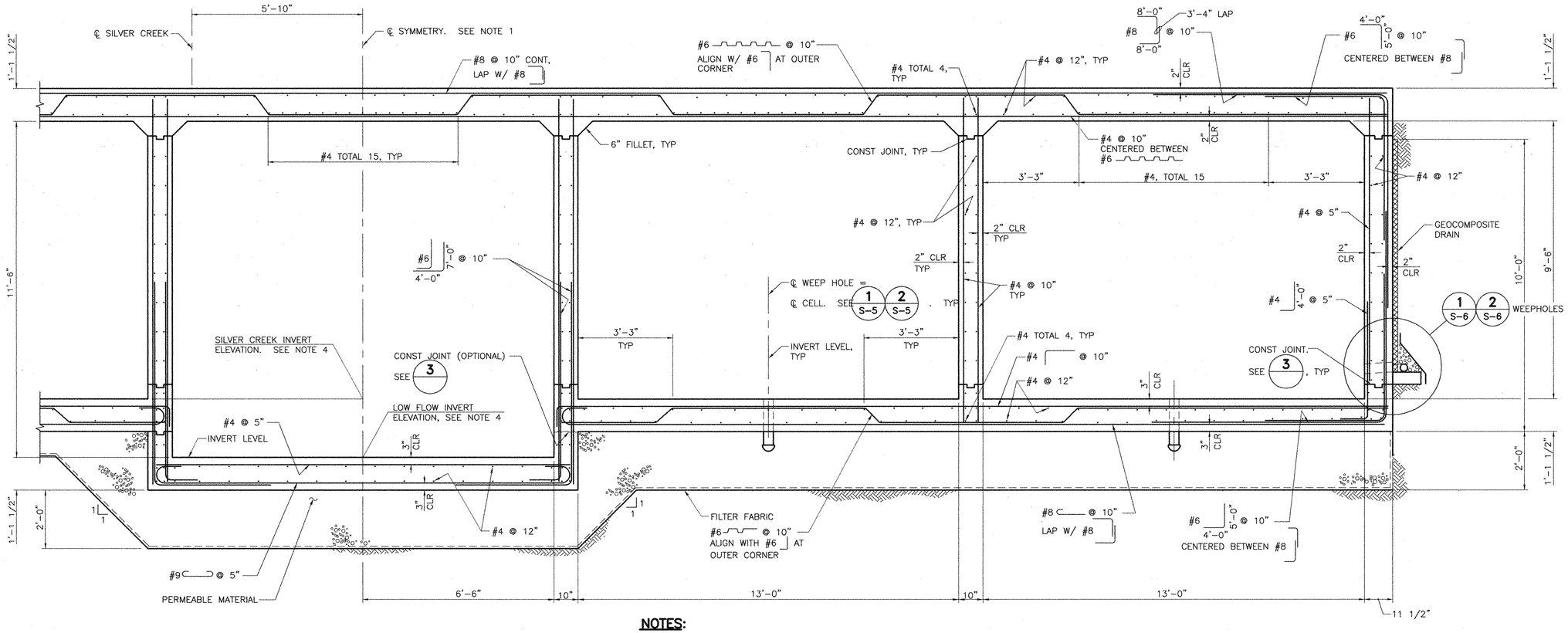
LOWER SILVER CREEK REACHES 4, 5 & 6A

TRAFFIC PHASING SECTIONS AT JACKSON AVE

SCALE: AS SHOWN
VERIFY SCALES: 0 — 1"
BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

PROJECT NUMBER: 40264008
SHEET CODE: S-8
PAGE NUMBER: 92 OF 188

DOCUMENT NUMBER: CAD_XX-X-XXXX-XXXXX
FILENAME: W:\2001\2001093A\2001093AS8
4026 - 43081



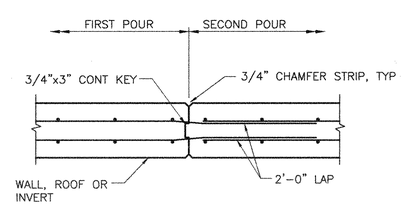
NOTES:

1. REINFORCING IS SYMMETRICAL ABOUT ℄ SYMMETRY.
2. FOR GENERAL NOTES AND DESIGN CRITERIA, SEE 'STRUCTURAL GENERAL NOTES' SHEET.
3. SEE D81/– , D82/– & B0-3/3-2 FOR DETAILS NOT NOTED.
4. FOR INVERT ELEVATIONS, SEE 'PLAN & PROFILE' SHEET OF CIVIL PLANS.

TYPICAL SECTION A
1/2" = 1'-0"

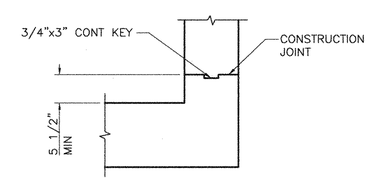
NOT USED

DETAIL 1
3/4" = 1'-0"



TYPICAL CONSTRUCTION JOINT

DETAIL 2
3/4" = 1'-0"



DETAIL 3
3/4" = 1'-0"

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95126
408-296-5515
BCA

DATE	
05-18-10	
DESIGN	D.L.L.
DRAWN	S.M.H.
CHECKED	A.P.N.

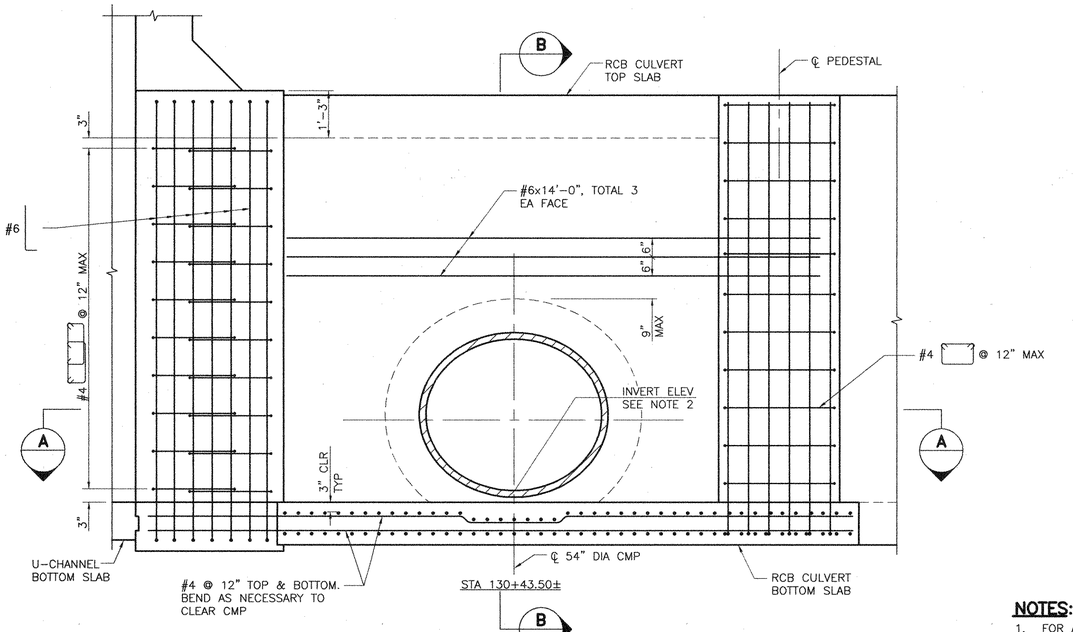
ENGINEERING CERTIFICATION
REGISTERED PROFESSIONAL ENGINEER SOMYASH M. TAYRAS No. 2639 Exp. 12/31/10 STRUCTURAL STATE OF CALIFORNIA
PROJECT ENGINEER — DATE 5/18/10

Santa Clara Valley Water District
ACCEPTED BY DISTRICT
Dennis Cheong — 6/1/10
PROJECT ENGINEER — DATE

PROJECT NAME AND SHEET DESCRIPTION:
LOWER SILVER CREEK REACHES 4, 5 & 6A
CULVERT SECTIONS & DETAILS AT JACKSON AVE

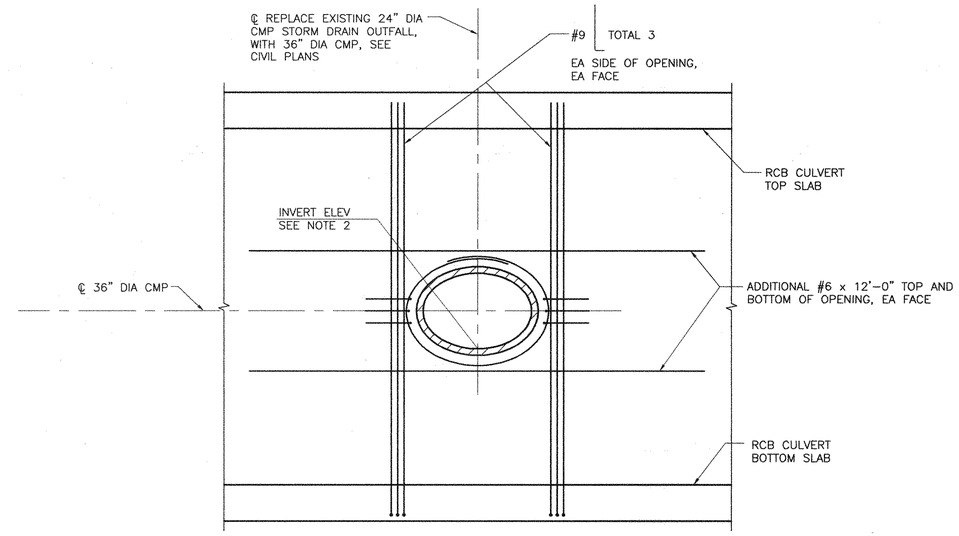
SCALE: AS SHOWN
VERIFY SCALES: 0 — 1"
BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY
PROJECT NUMBER: 40264008
SHEET CODE: S-9
PAGE NUMBER: 93 OF 188

DOCUMENT NUMBER: CAD_XX-X-XXXX-XXXXX
FILENAME: W:\2001\2001093A\2001093AS9
9026 - 93082



DETAIL 1 — 54" CMP UTILITY OPENING

1/2" = 1'-0"



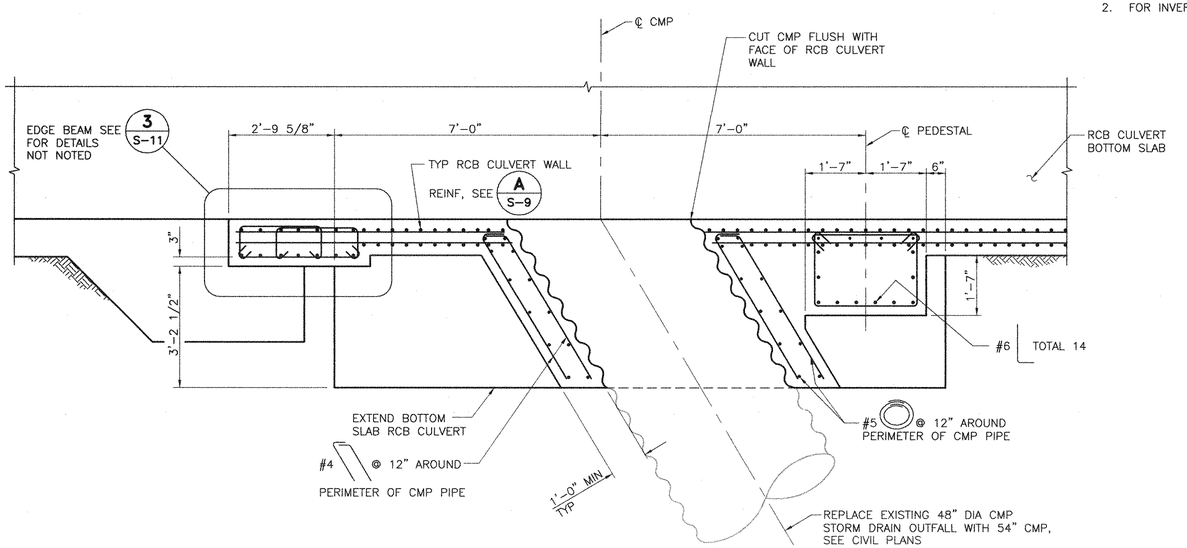
STA 130+40.50±

DETAIL 2 — 36" CMP UTILITY OPENING

1/2" = 1'-0"

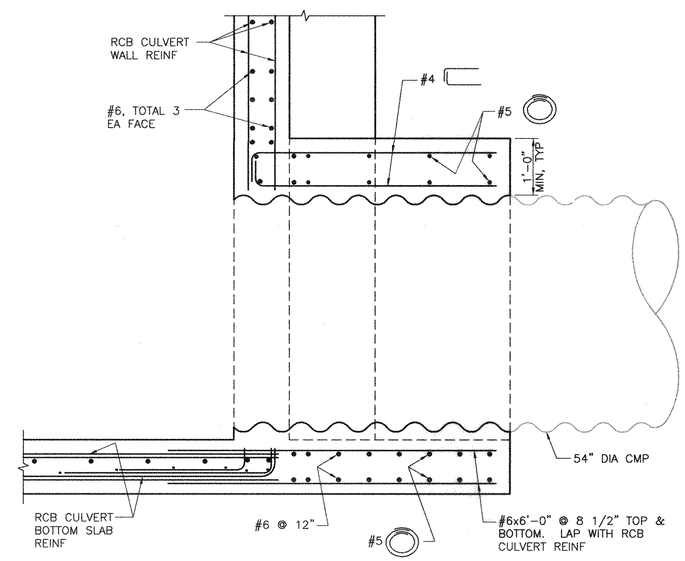
NOTES:

1. FOR ADDITIONAL REINF NOT SHOWN AROUND OPENING SEE D82 / –
2. FOR INVERT ELEV, SEE CIVIL PLANS



SECTION A

1/2" = 1'-0"



SECTION B

3/4" = 1'-0"

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95126
408-296-5515
BCA

DATE	
05-18-10	
DESIGN	D.L.L.
DRAWN	S.M.H.
CHECKED	A.P.N.

ENGINEERING CERTIFICATION
REGISTERED PROFESSIONAL ENGINEER — JAMES M. HATTAN — No. 2639 — Exp. 12/31/10 — STRUCTURAL — STATE OF CALIFORNIA
PROJECT ENGINEER — DATE 5/18/10

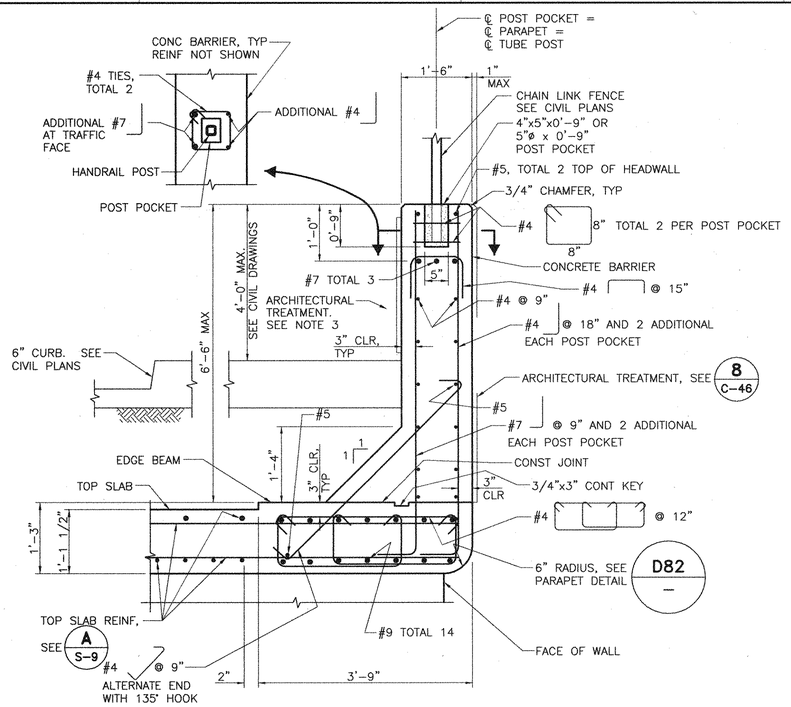
Santa Clara Valley Water District
ACCEPTED BY DISTRICT
Dennis Cheong 6/1/10
PROJECT ENGINEER — DATE

PROJECT NAME AND SHEET DESCRIPTION:
LOWER SILVER CREEK REACHES 4, 5 & 6A
CULVERT DETAILS AT JACKSON AVE

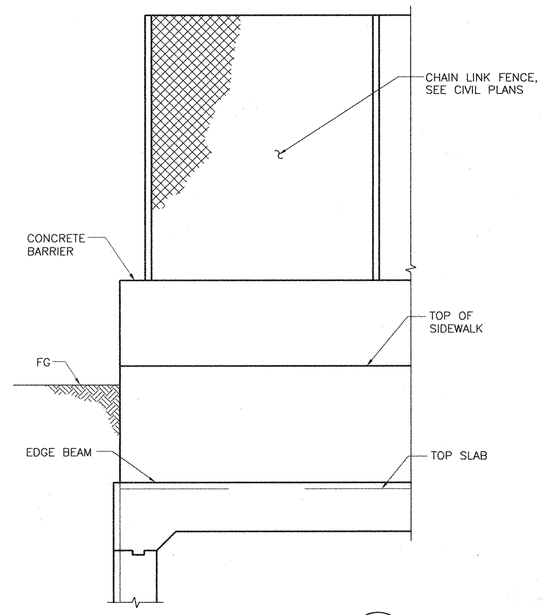
SCALE: AS SHOWN
VERIFY SCALES: 0 — 1"
BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

PROJECT NUMBER: 40264008
SHEET CODE: S-10
PAGE NUMBER: 94 OF 188

DOCUMENT NUMBER: CAD_XX-X-XXXX-XXXXX
FILENAME: W:\2001\2001093A\2001093AS10
4026 - 93083



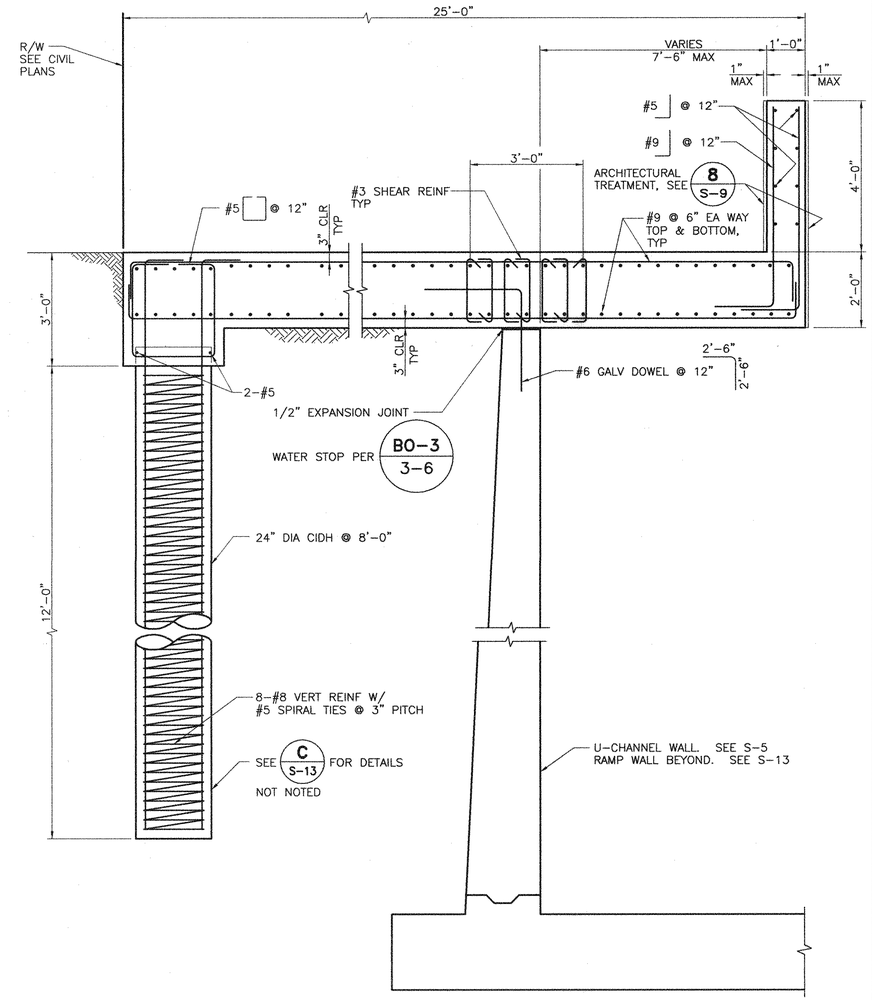
SECTION A PARAPET
3/4" = 1'-0"



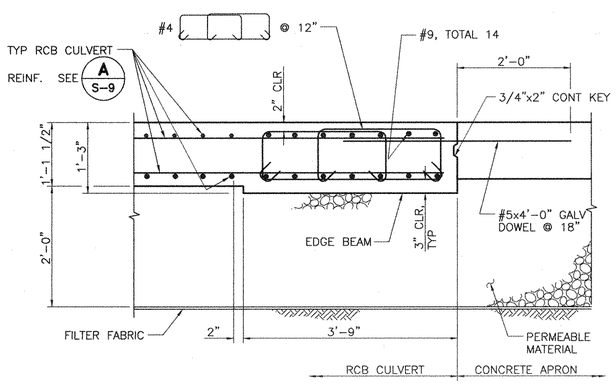
DETAIL 1
1/2" = 1'-0"

NOTES:

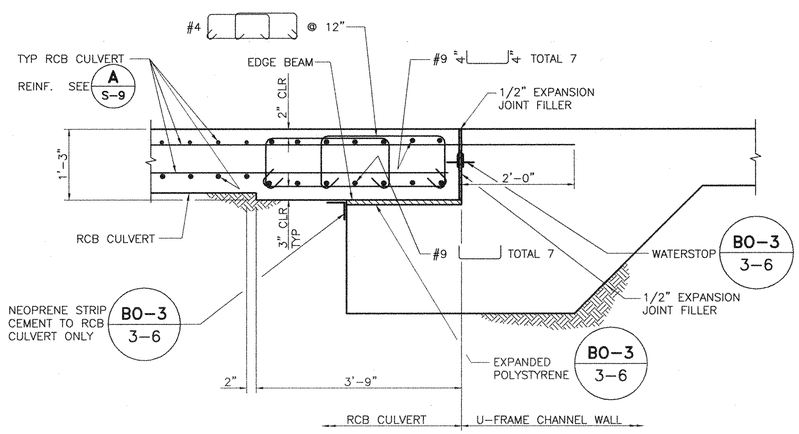
1. CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.
2. ROUGHEN ENTIRE CONCRETE SURFACE TO 1/4" AMPLITUDE AT ALL CONSTRUCTION JOINTS, AND CLEAN PRIOR TO NEW CONCRETE POUR, UNLESS NOTED OTHERWISE.
3. CONTRACTOR SHALL COORDINATE WITH THE 'CITY OF SAN JOSE PUBLIC WORKS' FOR ARCHITECTURAL TREATMENT AT NEW CONCRETE BARRIERS AND SUBMIT SHOP DRAWINGS TO THE ENGINEER FOR REVIEW PRIOR TO CONSTRUCTION.
4. TEMPORARY STRUTTING SHALL BE REQUIRED AT EXISTING AND NEW CULVERT CONSTRUCTION PER CALTRAN'S STANDARD PLAN D88, UNLESS NOTED OTHERWISE.



TYPICAL SECTION B AT CRANE PAD
1/2" = 1'-0"



DETAIL 2 EDGE BEAM
3/4" = 1'-0"



DETAIL 3 EDGE BEAM
3/4" = 1'-0"

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95126
408-296-5515
BCA

DATE	ENGINEERING CERTIFICATION
05-18-10	REGISTERED PROFESSIONAL ENGINEER — RAMESH M. RAMAN — No. 2639 — Exp. 12/31/10 — STRUCTURAL — STATE OF CALIFORNIA
DESIGN R.G.S.	5/18/10
DRAWN S.M.H.	PROJECT ENGINEER — DATE
CHECKED A.P.N.	

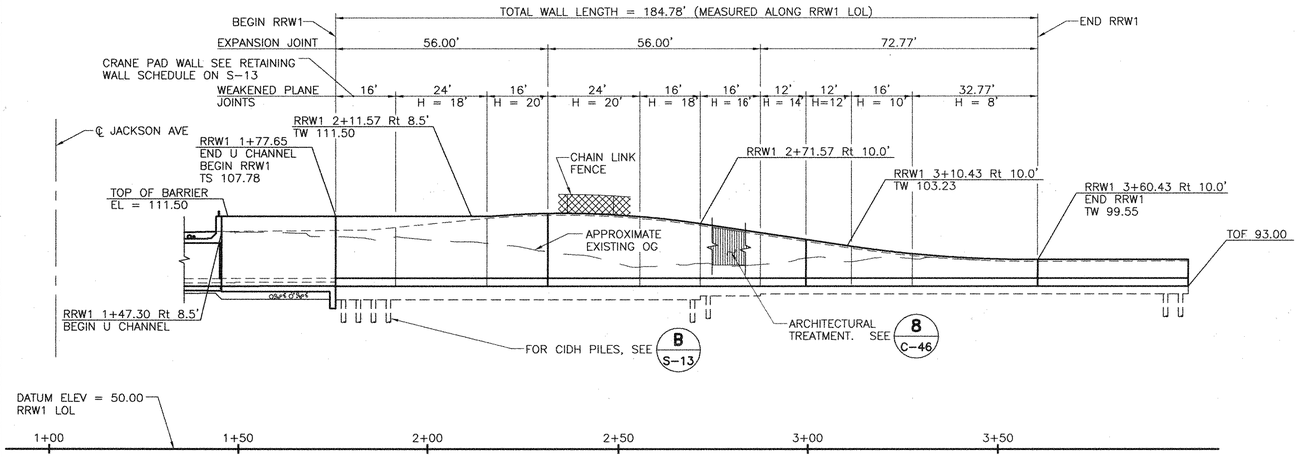
Santa Clara Valley Water District
ACCEPTED BY DISTRICT
Dennis Chiang 6/1/10
PROJECT ENGINEER — DATE

PROJECT NAME AND SHEET DESCRIPTION:
LOWER SILVER CREEK REACHES 4, 5 & 6A
CULVERT AND APRON SECTIONS AND DETAILS AT JACKSON AVE

SCALE: AS SHOWN
VERIFY SCALES: 0 — 1"
BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

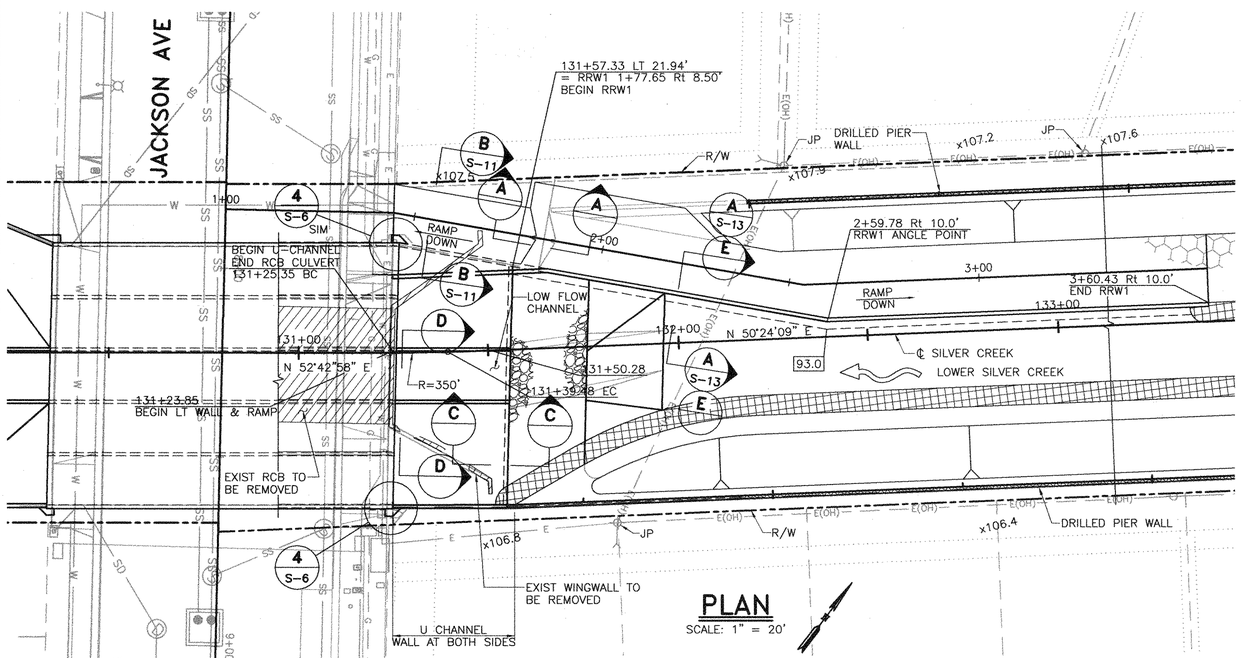
PROJECT NUMBER: 40264008
SHEET CODE: S-11
PAGE NUMBER: 95 OF 188

DOCUMENT NUMBER: CAD_XX-X-XXXX-XXXXX
FILENAME: W:\2001\2001093A\2001093AS11
4026-Y3089



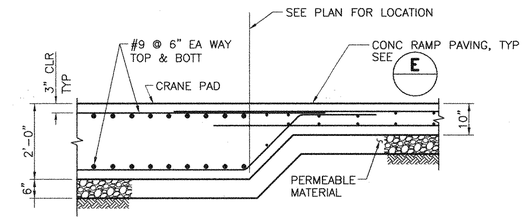
DEVELOPED RAMP WALL ELEVATION

SCALE: 1" = 20'



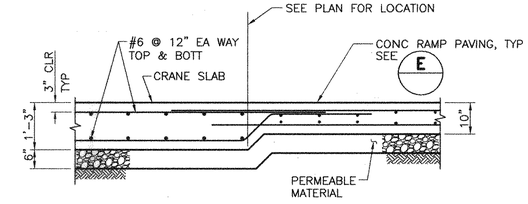
PLAN

SCALE: 1" = 20'



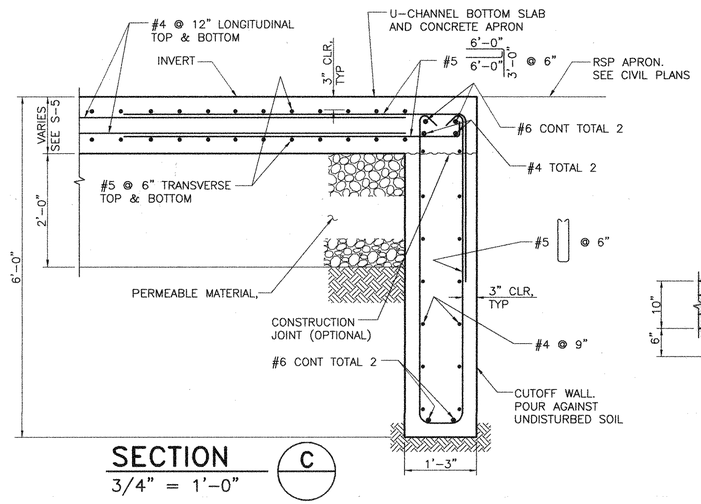
SECTION A

1/2" = 1'-0"



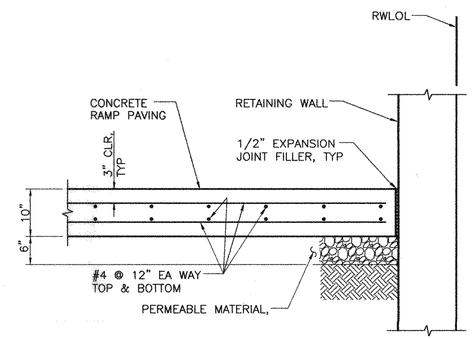
SECTION B

1/2" = 1'-0"



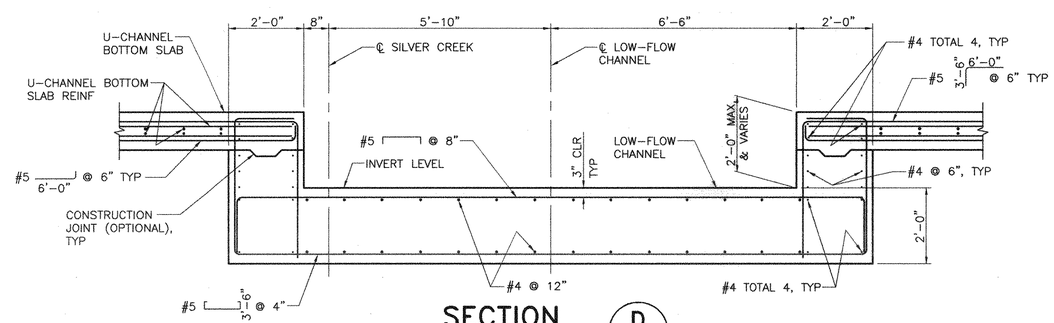
SECTION C

3/4" = 1'-0"



SECTION E

3/4" = 1'-0"



SECTION D

1/2" = 1'-0"

NOTES:

1. "H" INDICATES RETAINED SOIL HEIGHT.
2. DISTANCES SHOWN ARE ALONG RWLOL.
3. FOR TOP OF WALL ELEVATIONS, ADDITIONAL LAYOUT AND PROFILE INFORMATION NOT SHOWN, SEE CIVIL PLANS.
4. TOP OF FOOTING PROFILES ARE LEVEL UNLESS NOTED OTHERWISE.
5. FOR RAMP CONTROL LINE, SEE CIVIL PLANS.
6. X 107.2 INDICATES EXISTING GROUND SPOT ELEVATIONS.
7. FOR GENERAL NOTES, SEE SHEETS S-1 AND S-2.

LEGEND:

91.5' — INDICATES TOP OF FOOTING ELEVATION

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95126
408-296-5515
BCA

DATE	
05-18-10	DATE
DESIGN	D.L.L.
DRAWN	S.M.H.
CHECKED	A.P.N.

ENGINEERING CERTIFICATION
REGISTERED PROFESSIONAL ENGINEER — DWIGHT M HARPER — No. 2639 — Exp. 12/31/10 — STRUCTURAL — STATE OF CALIFORNIA
PROJECT ENGINEER — DATE 5/13/10

Santa Clara Valley Water District

ACCEPTED BY DISTRICT
PROJECT ENGINEER — DATE 6/1/10

PROJECT NAME AND SHEET DESCRIPTION:

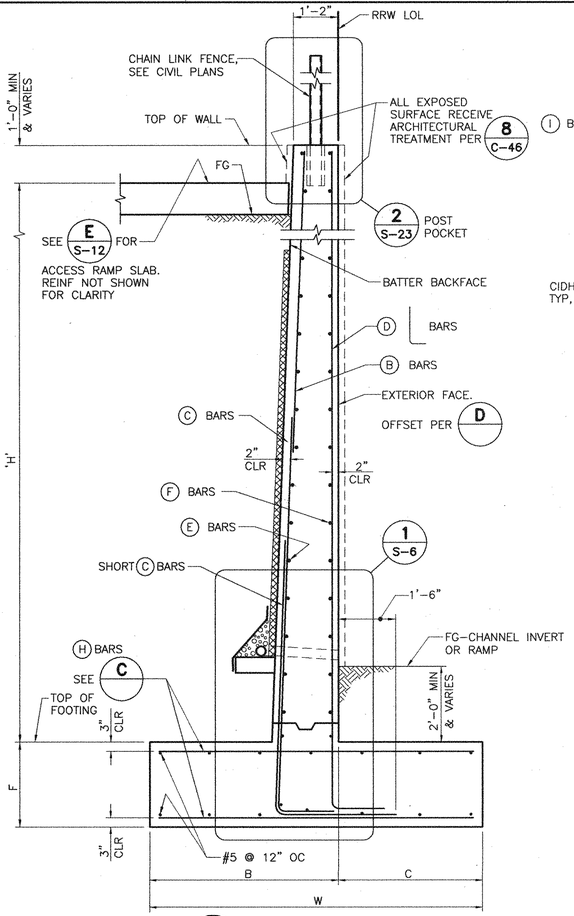
LOWER SILVER CREEK REACHES 4, 5 & 6A

CULVERT APRON AND RAMP (EAST) PLAN & SECTIONS AT JACKSON AVE

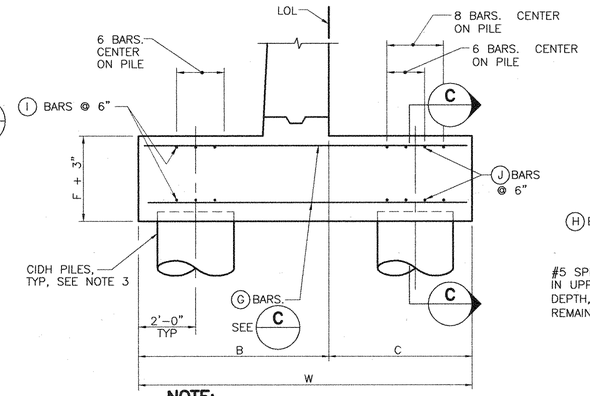
SCALE: AS SHOWN
VERIFY SCALES: 0 — 1"
BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

PROJECT NUMBER: 40264008
SHEET CODE: S-12
PAGE NUMBER: 96 OF 188

DOCUMENT NUMBER: CAD_XX-X-XXXX-XXXXX
FILENAME: W:\2001\2001093A\2001093AS12
4026 - Y3085

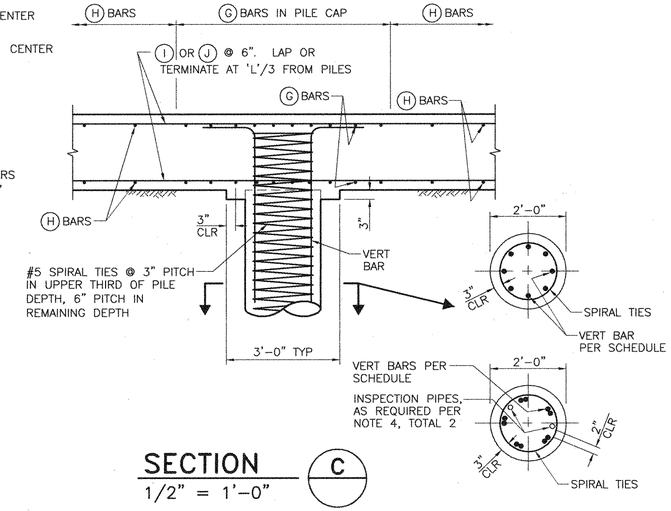


SECTION A RETAINING WALL
1/2" = 1'-0"

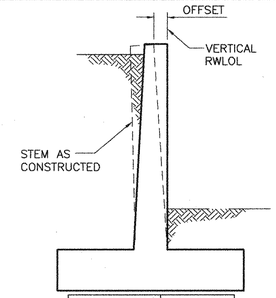


NOTE:
REINFORCEMENT DETAILED IS TO BE PLACED IN ADDITION TO THAT SHOWN FOR SPREAD FOOTING. SEE SCHEDULE FOR PILE SPACING.

SECTION B AT PILE CAP
1/2" = 1'-0"



SECTION C
1/2" = 1'-0"



WALL HEIGHT	OFFSET
H=6'	3/8"
H=8'	1/2"
H=10'	5/8"
H=12'	3/4"
H=14'	1"
H=16'	1 1/4"
H=18'	1 1/2"
H=20'	1 3/4"

SECTION D
NO SCALE

GENERAL NOTES:

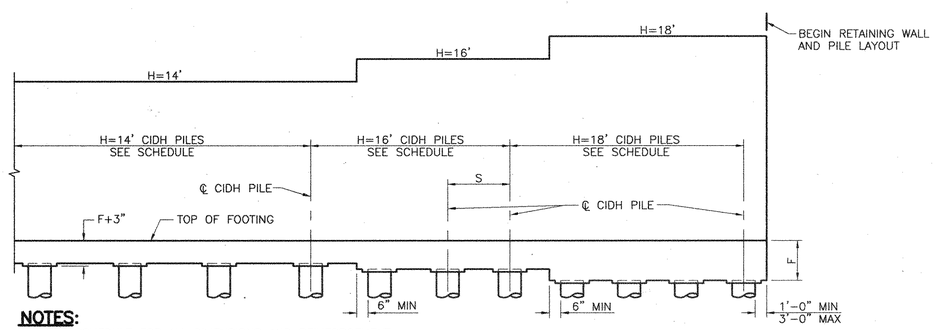
1. FOR DETAILS NOT SHOWN AND DRAINAGE NOTES, SEE B3-8 / –.
2. FOR WALL STEM JOINT DETAILS, AND SPACING OF WEAKENED PLANE JOINTS, SEE B0-3 / 3-3 AND B0-8 / 3-4.
3. CONTRACTOR SHALL UTILIZE TEMPORARY CASINGS AT CIDH PILES IF EXCESSIVE GROUNDWATER IS ENCOUNTERED DURING DRILLING TO PRESERVE THE INTEGRITY OF THE PILE.
4. IF GROUNDWATER IS ENCOUNTERED DURING DRILLING, INSPECTION PIPES SHALL BE UTILIZED PER SPECIFICATIONS. SEE SECTION C.

RETAINING WALL DIMENSION, FOUNDATION & REINFORCEMENT SCHEDULE

DESIGN H – WALL ELEVATION	H = 6'-0"	H = 8'-0"	H = 10'-0"	H = 12'-0"	H = 14'-0"	H = 16'-0"	H = 18'-0"	H = 20'-0"	CRANE PAD WALL[1]
W	8'-0"	8'-0"	9'-6'	10'-0"	11'-0"	12'-0"	14'-0"	15'-0"	12'-0"
C	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"
B	4'-0"	4'-0"	5'-6"	6'-0"	7'-0"	8'-0"	10'-0"	11'-0"	8'-0"
F	2'-0'	2'-0'	2'-0'	2'-0"	2'-0"	2'-6"	3'-6"	3'-6"	2'-6"
BATTER	1/2 : 12	1/2 : 12	1/2 : 12	1/2 : 12	5/8 : 12	3/4 : 12	7/8 : 12	1 : 12	3/4 : 12
B BARS	–	–	–	#5 @ 12"	#7 @ 16"	#8 @ 12"	#8 @ 12"	#9 @ 10"	–
C BARS	#5 @ 16"	#6 @ 12"	#7 @ 8"	#7 @ 6"	#10 @ 8"	#10 @ 6"	#11 @ 6"	#11 @ 5"	#11 @ 6"
D L BARS	#7 @ 12"	#7 @ 12"	#7 @ 12"	#7 @ 12"	#6 @ 8"	#7 @ 9"	#7 @ 9"	#8 @ 10"	#7 @ 9"
E BARS	#6 @ 12"	#6 @ 12"	#6 @ 12"	#6 @ 12"	#6 @ 12"	#6 @ 9"	#6 @ 9"	#6 @ 9"	#6 @ 9"
F BARS	#7 @ 12"	#7 @ 12"	#7 @ 12"	#7 @ 12"	#6 @ 8"	#7 @ 9"	#7 @ 9"	#8 @ 10"	#7 @ 9"
G BARS	#5 @ 12"	#5 @ 12"	#5 @ 6"	#5 @ 6"	#6 @ 6"	#6 @ 6"	#6 @ 6"	#6 @ 6"	#6 @ 6"
H BARS	#5 @ 24"	#5 @ 24"	#5 @ 12"	#5 @ 12"	#6 @ 12"	#6 @ 12"	#6 @ 12"	#6 @ 12"	#6 @ 12"
I BARS	6-#5	6-#5	6-#6	6-#6	6-#5	6-#5	6-#5	6-#5	6-#5
J BARS	6-#6	6-#6	8-#7	8-#7	8-#7	8-#7	8-#7	8-#7	8-#7
PILE DEPTH BELOW BOTTOM OF CAP	11'-0"	15'-0"	19'-0"	26'-0"	34'-0"	34'-0"	40'-0"	48'-0"	34'-0"
PILE SPACING ALONG WALL 'S'	10' OC	8' OC	8' OC	8' OC	8' OC	6' OC	5' OC	5' OC	6' OC
PILE VERTICAL REINFORCEMENT	8-#8	8-#8	8-#9	10-#9 ȣ	10-#10 ȣ	10-#10 ȣ	14-#10 ȣ	16-#10 ȣ	10-#10 ȣ
PILE NOMINAL RESISTANCE COMPRESSION	35 KIPS	50 KIPS	70 KIPS	95 KIPS	125 KIPS	125 KIPS	150 KIPS	180 KIPS	125 KIPS
TENSION	15 KIPS	25 KIPS	25 KIPS	40 KIPS	45 KIPS	45 KIPS	45 KIPS	50 KIPS	45 KIPS

NOTES:

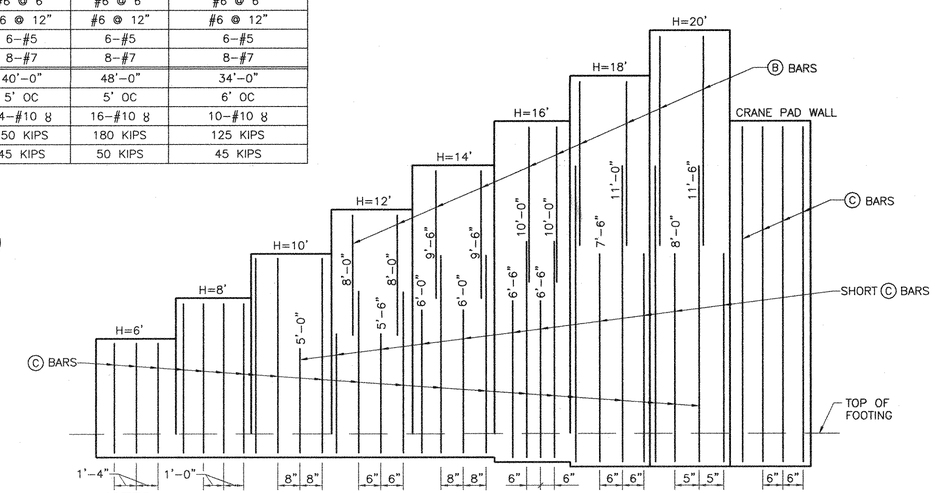
1. SEE SHEET S-12.
2. ȣ INDICATES BUNDLED BARS
3. IF GROUNDWATER IS ENCOUNTERED, UTILIZE INSPECTION PIPES AT BUNDLED BARS PER GENERAL NOTE 4 AND SEE SECTION C



NOTES:

1. SEE SCHEDULE FOR ALL DIMENSIONS AND REINFORCEMENT.
2. WHERE 'H' VARIES BETWEEN WALL SECTIONS, THE CIDH PILES AT THE END OF THE SHORTER WALL SECTION SHALL HAVE DIAMETER, REINFORCING AND DEPTH TO MATCH CIDH PILES OF THE TALLER WALL SECTION.
3. RETAINING WALL REINFORCING NOT SHOWN FOR CLARITY.

PILE LAYOUT ELEVATION
NO SCALE



NOTES:

1. NUMBER ABOVE C BAR INDICATES BAR LENGTH ABOVE TOP OF FOOTING
2. FOR TOP OF WALL ELEVATION, SEE CIVIL PLANS.
3. "H" INDICATED IN WALL ELEVATION.
4. CIDH PILES NOT SHOWN FOR CLARITY. SEE PILE LAYOUT ELEVATION.
5. FOR CRANE PAD WALL LOCATION, SEE 'DEVELOPED RAMP WALL ELEVATION', SHEET S-12.

ELEVATION
NO SCALE

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95126
408-296-5515
BCA

DATE	
05-18-10	
DESIGN	D.L.L.
DRAWN	S.M.H.
CHECKED	A.P.N.

ENGINEERING CERTIFICATION
REGISTERED PROFESSIONAL ENGINEER — JAYMEER M. HARRIS — No. 2639 — Exp. 12/31/10 — STRUCTURAL — STATE OF CALIFORNIA
PROJECT ENGINEER — DATE 5/18/10

Santa Clara Valley Water District
ACCEPTED BY DISTRICT
Dennis Cheung 6/1/10
PROJECT ENGINEER — DATE

PROJECT NAME AND SHEET DESCRIPTION:
LOWER SILVER CREEK REACHES 4, 5 & 6A
CULVERT APRON RAMP RETAINING WALL DETAILS

SCALE: AS SHOWN
VERIFY SCALES: 0 — 1"
BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

PROJECT NUMBER: 40264008
SHEET CODE: S-13
PAGE NUMBER: 97 OF 188

DOCUMENT NUMBER: CAD_XX-X-XXXX-XXXXX
FILENAME: W:\2001\2001093A\2001093AS13
Y026 - Y3086

PLAN

SCALE: 1" = 10'

NOTE:

1. FOR 'NOTES' AND 'LEGEND' SEE SHEET S-15.

LEGEND:

INDICATES EXTENT OF STRUCTURE REMOVAL

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95126
408-296-5515
BCA

DATE	05-18-10
DESIGN	D.L.L.
DRAWN	S.M.H.
CHECKED	A.P.N.

ENGINEERING CERTIFICATION
REGISTERED PROFESSIONAL ENGINEER — MAHASH M. HANDFIELD — No. 2639 — Exp. 12/31/10 — STRUCTURAL — STATE OF CALIFORNIA
PROJECT ENGINEER — DATE 5/18/10

Santa Clara Valley Water District
ACCEPTED BY DISTRICT
Dennis Cheung 6/1/10
PROJECT ENGINEER — DATE

PROJECT NAME AND SHEET DESCRIPTION:

LOWER SILVER CREEK REACHES 4, 5 & 6A

CULVERT AND APRON PLAN AT CAPITOL EXPRESSWAY

SCALE: AS SHOWN
VERIFY SCALES: 0 — 1"
BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

PROJECT NUMBER: 40264008
SHEET CODE: S-14
PAGE NUMBER: 98 OF 188

DOCUMENT NUMBER: CAD_XX-X-XXXX-XXXXX 4026 - 43087
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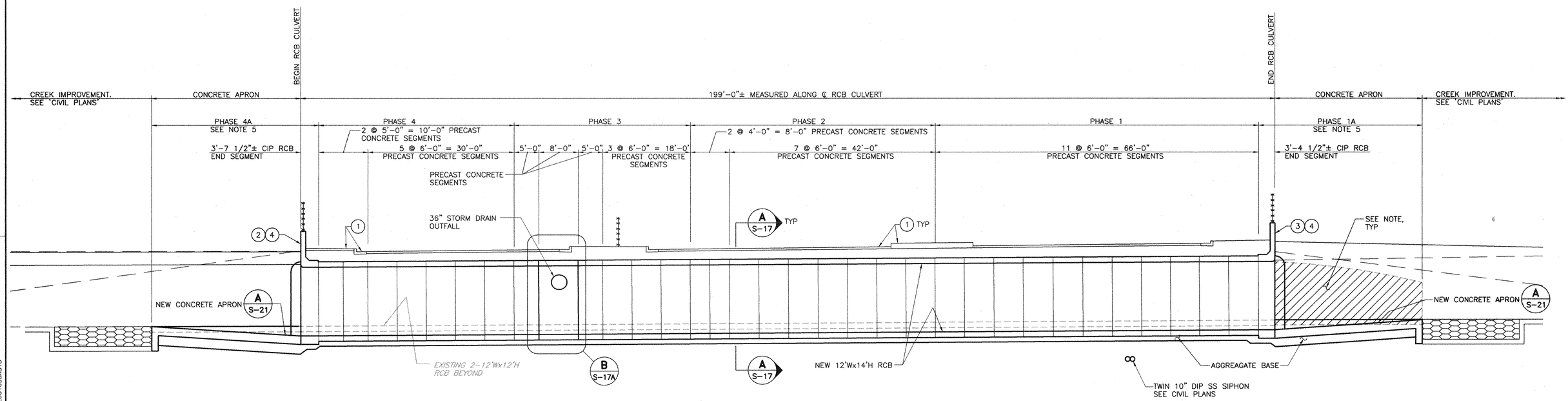
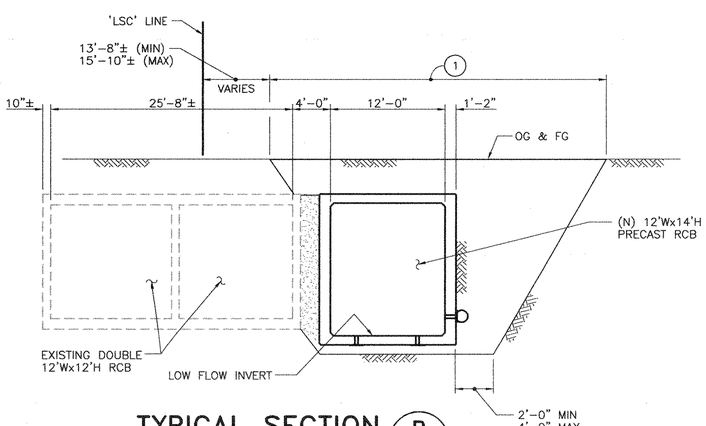


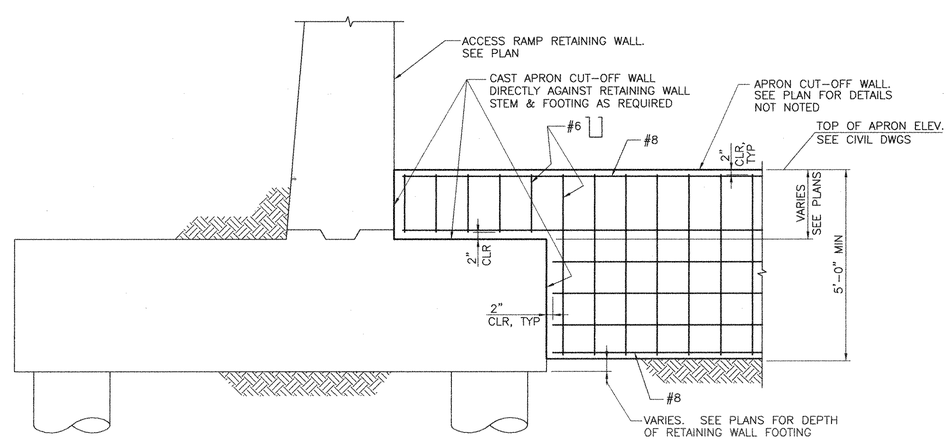
SECTION A CONSTRUCTION PHASES

1" = 10'-0"



TYPICAL SECTION B

1/8" = 1'-0"



NOTE:
SEE PLAN FOR APRON SLAB REINFORCEMENT NOT SHOWN.

SECTION C

1/2" = 1'-0"

LEGEND

1. REMOVE AND RECONSTRUCT PAVEMENTS, GUTTERS, SIDEWALKS, MEDIANS, FENCE, ETC. TO MATCH EXISTING.
2. REMOVE EXISTING CONCRETE HEADWALL AND STEEL RAILING AND CONSTRUCT NEW CONCRETE HEADWALL/BARRIER.
3. REMOVE EXISTING HEADWALL AND CONSTRUCT CONCRETE HEADWALL/BARRIER.
4. CONSTRUCT NEW CONCRETE HEADWALL/BARRIER.

INDICATES EXTENT OF STRUCTURE REMOVAL

NOTES

1. CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.
2. FOR CULVERT GENERAL NOTES, SEE SHEET S-2.
3. FOR CONTROL LINE DATA AND EXTENT OF DEMOLITION AND RECONSTRUCTION IN CREEK, SEE CIVIL PLANS.
4. FOR TRAFFIC CONTROL DURING CONSTRUCTION, SEE SHEETS S-16.
5. 'STAGE 1A' AND 'STAGE 4A' SHALL BE EXTENDED PART OF 'STAGE 1' AND 'STAGE 4' CONSTRUCTIONS AND SHALL BE COMPLETED IN ACCELERATED MANNER DURING ANY STAGE OF CONSTRUCTION SO AS NOT TO FURTHER IMPACT THE TRAFFIC.
6. FOR TWIN 10" DIP SS SIPHON DETAILS, SEE SHEET C-25.

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95126
408-296-5515
BCA

DATE	
05-18-10	
DESIGN	D.L.L.
DRAWN	S.M.H.
CHECKED	A.P.N.

ENGINEERING CERTIFICATION
REGISTERED PROFESSIONAL ENGINEER — WILLIAM M. HARRIS — No. 2639 — Exp. 12/31/10 — STRUCTURAL — STATE OF CALIFORNIA
PROJECT ENGINEER — DATE 5/18/10

Santa Clara Valley Water District
ACCEPTED BY DISTRICT
PROJECT ENGINEER — Dennis Cheong — DATE 6/1/10

PROJECT NAME AND SHEET DESCRIPTION:
LOWER SILVER CREEK REACHES 4, 5 & 6A
CULVERT SECTIONS AT CAPITOL EXPRESSWAY

SCALE: AS SHOWN
VERIFY SCALES: 0 — 1"
BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

PROJECT NUMBER: 40264008
SHEET CODE: S-15
PAGE NUMBER: 99 OF 188

DOCUMENT NUMBER: CAD_XX-X-XXXX-XXXXX
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