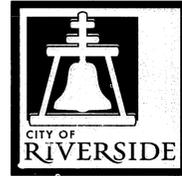


RIVERSIDE



CALIFORNIA

PUBLIC WORKS DEPARTMENT HAWARDEN DRIVE IMPROVEMENTS

No.	Contract Bid Items	Quantity	Unit
1	Unclassified Excavation (F) The estimated quantity of this bid item has been determined based on the following: Total Excess excavated material: 310 C.Y., unclassified fill: 0 C.Y. Material suitable for fill: 270 C.Y. Materials unsuitable for fill such as AC, PCC & organics: 40 C.Y.	310	C.Y.
2	Crushed Aggregate Base (F)	138	C.Y.
3	AC Pavement - DGAC Includes installation of Type 1 two-way blue reflective markers per Section 312.	242	Ton
4	Curb & Gutter - Std. 200, Type I, 6" C.F.	381	L.F.
5	Curb Only - Std. 200, Type II, Variable height 0"-6" C.F.	53	L.F.
6	Cross-Gutter, Std. 220	491	S.F.
7	Cold Milling AC Pavement, Type I (5'-wide)	367	L.F.
8	Cold Milling AC Pavement, Type II (20'-wide by 0.1' deep)	1,125	S.F.
9	Remove deteriorated AC pavement	5,516	S.F.
10	Adjust Sewer/Storm Drain Manhole Cover to Grade	1	Ea.

CONSTRUCTION NOTES:

- NUMBERS ABOVE 100 IN A HEXAGON ON THE PLAN REFER TO THE RESPECTIVE STANDARD DRAWING AND SHALL BE CONSTRUCTED ACCORDINGLY, UNLESS MODIFICATIONS ARE NOTED ON THE PLAN OR COVER SHEET. ANY NUMBER SHOWN BELOW THE STANDARD DRAWING NUMBER INDICATES THE SPECIFIC ALTERNATE TO BE CONSTRUCTED.
- TYPE I COLD MILLING (5' WIDE) - COLD-MILL EXISTING PAVEMENT ADJACENT TO THE GUTTER. THE COLD-MILLED AREA SHALL HAVE A MINIMUM DEPTH OF 0.1' ADJACENT TO THE GUTTER 'UP AND MEET THE EXISTING PAVEMENT IN 5 FEET WITH A STRAIGHT GRADE.
- TYPE II COLD MILLING (20' WIDE), COLD-MILL EXISTING PAVEMENT AT JOIN LINES (OR AS DIRECTED BY THE ENGINEER) TO A UNIFORM DEPTH OF 0.10'.
- CONSTRUCT STRUCTURAL SECTION OF 0.3' DGAC OVER 0.6' CAB OVER COMPACTED NATIVE SOIL. (T.I.=5, R-VALUE=18)
- OVERLAY EXISTING PAVEMENT WITH C 10' MIN THICKNESS C2-PG-64-10
- PROTECT IN PLACE (DESCRIPTION PER PLAN).
- ADJUST MANHOLE COVER TO GRADE
- REMOVE EXISTING ITEMS PER PLAN

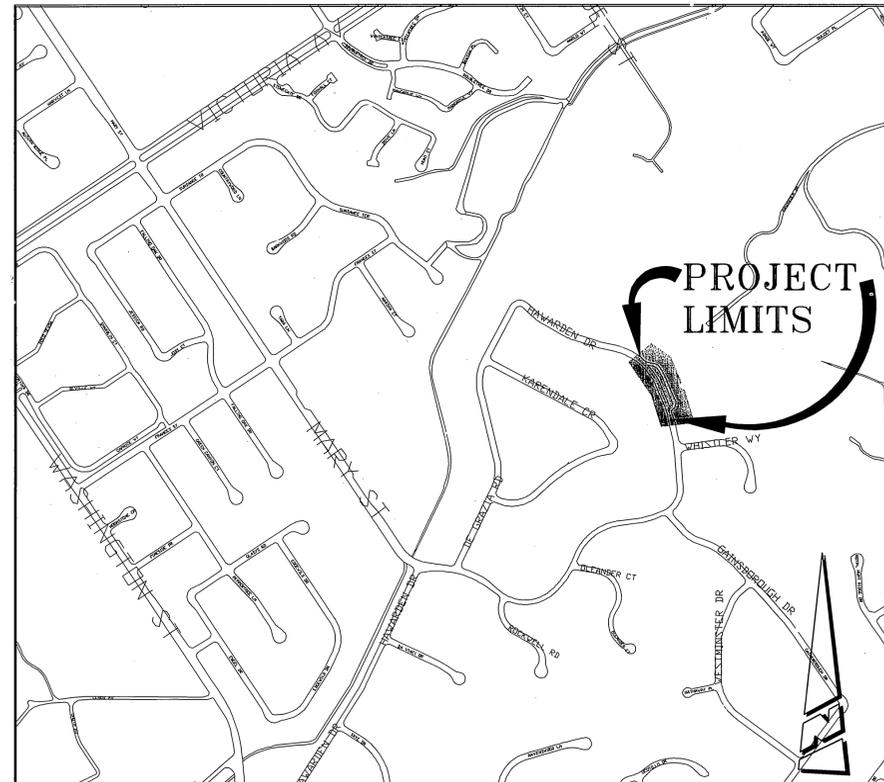
LEGEND

- ⊙ SANITARY SEWER M.H.
- ⊙ STORM DRAIN M.H.
- ⊙ WATER GATE VALE
- ⊙ ELECTRIC M.H.
- ⊙ TELEPHONE M.H.
- ⊙ WATER METER
- ⊙ FIRE HYDRANT
- ⊙ IRRIGATION METER
- ⊙ BLOW-OFF VALVE
- ⊙ TRAFFIC SIGN
- ⊙ POWER POLE
- GUY ANCHOR
- ⊙ STREET LIGHT ON MAST ARM
- ⊙ ELECTRICAL TEST STATION (PIPELINE)
- 🌴 PALM TREE
- 🌳 MISC. TREE
- TREE STUMP
- ▲ TOP OF SLOPE
- ▼ TOE OF SLOPE
- DIRECTION DRAINAGE FLOW
- EDGE OF PAVEMENT

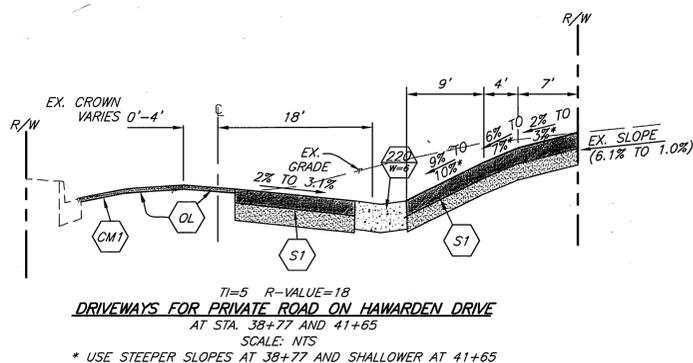
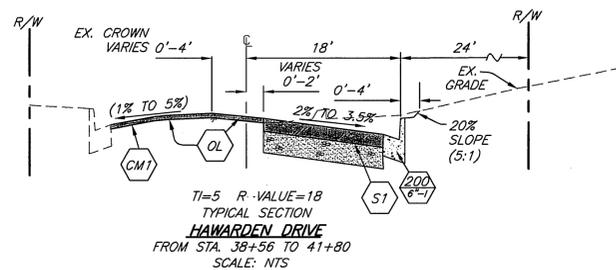
- STREET CENTERLINE
- STREET R/W
- SANITARY SEWER (S)
- WATER LINE (W)
- UNDERGROUND ELECTRIC (UGE)
- EXISTING CONTOUR 968

- (54.76) EXISTING ELEVATION
- 54.76 PROPOSED ELEVATION
- TC TOP OF CURB
- EP EDGE OF PAVEMENT
- FL FLOWLINE
- FS FINISHED SURFACE
- CL CENTERLINE
- GB GRADE BREAK
- AC ASPHALTIC CONCRETE
- PCC PORTLAND CEMENT CONCRETE
- C&G CURB AND GUTTER
- R/W RIGHT OF WAY
- STA STREET STATION
- PI POINT OF INTERSECTION
- V.C. VERTICAL CURVE
- BVC BEGIN VERTICAL CURVE
- EVC END VERTICAL CURVE
- PRC POINT OF REVERSE CURVATURE
- G₁ GRADE INTO VERTICAL CURVE
- G₂ GRADE OUT OF VERTICAL CURVE
- APN ASSESSORS PARCEL NUMBER
- RCP REINFORCED CONCRETE PIPE
- N'LY NORTHERLY
- S'LY SOUTHERLY
- ?(?) UNKNOWN DISTANCE

- NEW STRUCTURAL SECTION
- COLD MILL & OVERLAY
- OVERLAY
- NEW PCC



PROJECT LOCATION MAP
NTS



SHEET INDEX:

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	PLAN AND PROFILE

Underground Service Alert
CALL BEFORE YOU DIG
CALL-TOLL FREE
1-800
227-2600
TWO WORKING DAYS BEFORE YOU DIG

BENCHMARK G6-B2
ELEVATION: 944.502
BRASS DISK IN MONUMENT WELL AT THE INTERSECTION OF VICTORIA AVENUE AND MARY STREET

ENGINEER IN RESPONSIBLE CHARGE
IBRAHIM A. MASSOUD
H.C.E. No. 64224 expires 6/30/09
DATE 1/22/09



MARK	REVISIONS	APPR.	DATE

DESIGNED BY: SSS DRAWN BY: SSS CHECKED BY: MM

APPROVED BY	BY	DATE
PRINCIPAL ENGINEER	MM	2/20/09
CONSTRUCTION ADMIN.	AS	2/24/09
SURVEYOR	CS	11/23/09
STREET SERVICES	SP	2/17/09
TRAFFIC ENGINEER		

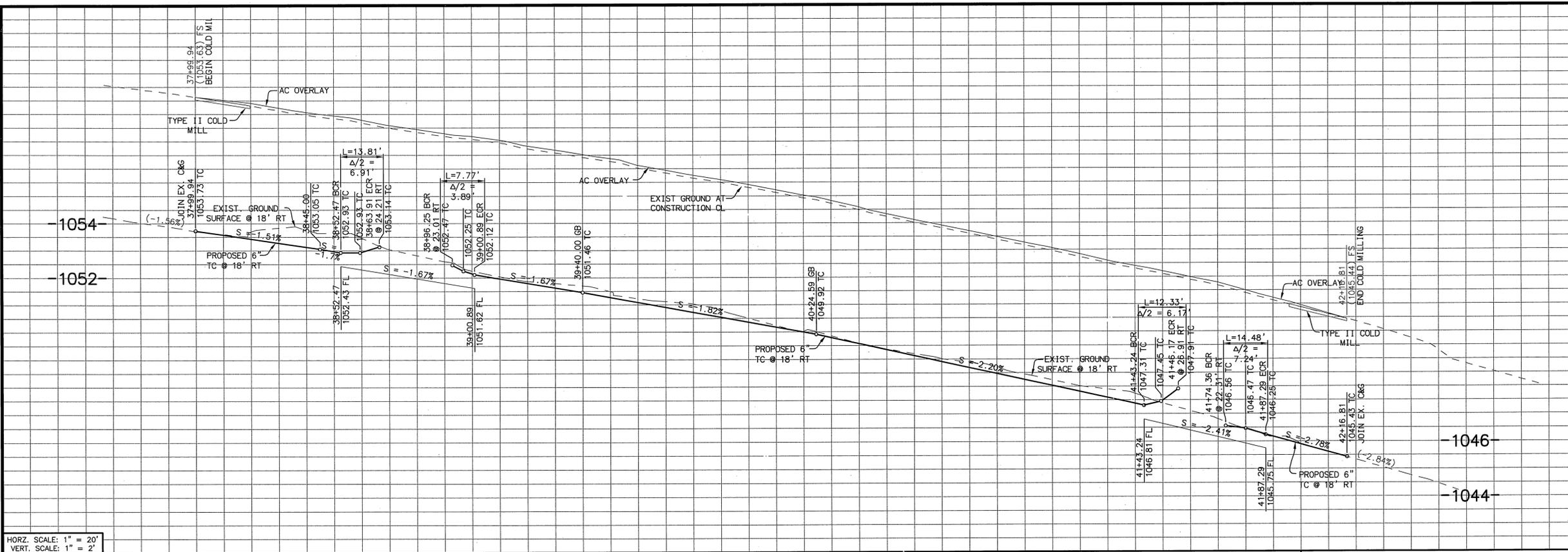
CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT
APPROVED BY
M. K. Kabanov
CITY ENGINEER
DATE 2/20/09

HAWARDEN DRIVE IMPROVEMENTS
FROM WHISTLER WAY TO 600' NORTH OF WHISTLER WAY
TITLE SHEET
HORIZ. SCALE: N/A VERT. SCALE: N/A

ACCT. NO. -
W.O. NO. -
R-4113
SHEET 1 OF 2
FILE NO.

CONSTRUCTION NOTES:

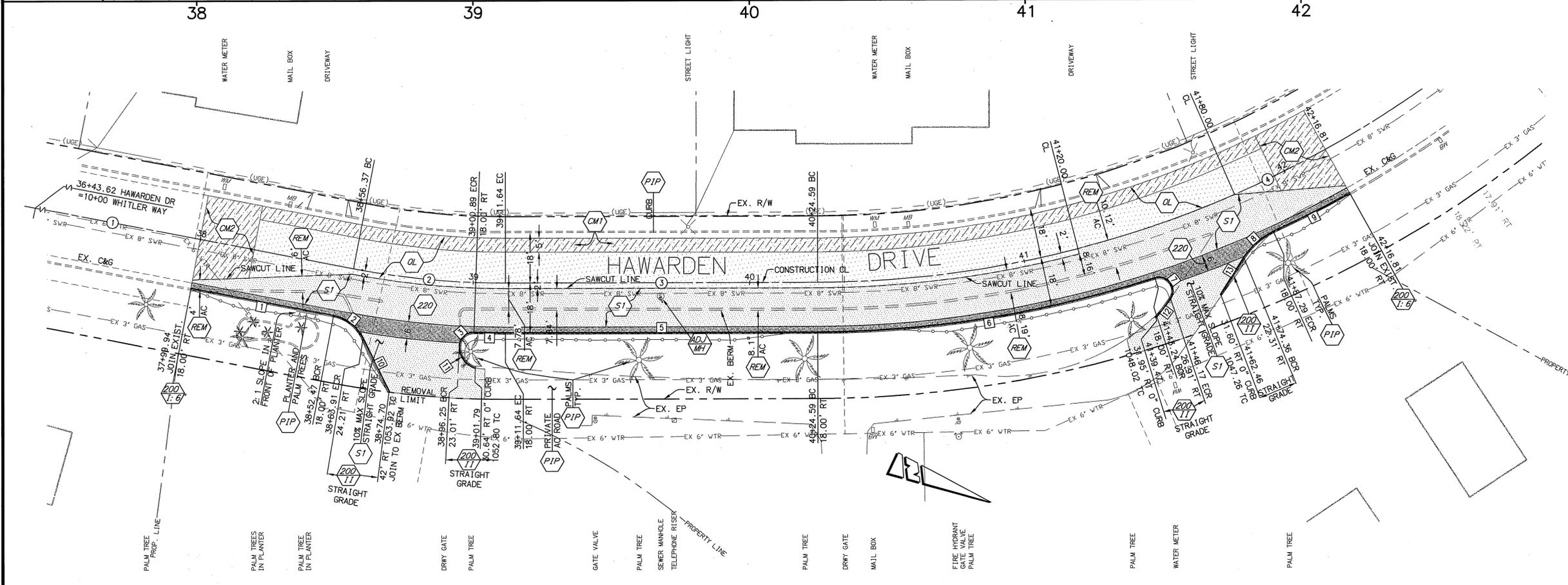
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HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 2'

CENTERLINE DATA				
NO	BEARING/DELTA	RADIUS	LENGTH	
1	N11°40'22"W	---	177.65'	
2	Δ=10°52'57"	291.00'	55.27'	
3	N22°33'19"W	---	112.95'	
4	Δ=54°43'13"	381.00'	363.87'	

CURB DATA				
NO	BEARING/DELTA	RADIUS	LENGTH	NOTE
1	N11°40'22"W	---	52.53'	C&G
2	Δ=52°45'56"	15.00'	13.81'	C&G
3	Δ=89°05'16"	5.00'	7.77'	C&G
4	Δ=02°07'00"	309.00'	11.42'	C&G
5	N22°33'19"W	---	112.95'	C&G
6	Δ=17°50'38"	399.00'	124.26'	C&G
7	Δ=141°15'55"	5.00'	12.33'	C&G
8	Δ=33°11'46"	25.00'	14.48'	C&G
9	Δ=04°26'22"	399.00'	30.92'	C&G
10	N41°05'53"E	---	19.45'	CURB ONLY
11	Δ=76°04'48"	8.00'	10.62'	CURB ONLY
12	Δ=07°45'55"	65.00'	8.81'	CURB ONLY
13	N80°13'09"W	---	13.61'	CURB ONLY



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ELEVATION: 944.502
BRASS DISK IN MONUMENT WELL AT THE INTERSECTION OF VICTORIA AVENUE AND MARY STREET

ENGINEER IN RESPONSIBLE CHARGE
Abraham A. Massoud
No. 64224
Exp. 6-30-2009
CIVIL
STATE OF CALIFORNIA
DATE: 1/22/09

APPROVED BY: [Signature]
PRINCIPAL ENGINEER: [Signature]
CONSTRUCTION ADMIN: [Signature]
SURVEYOR: [Signature]
STREET SERVICES: [Signature]
TRAFFIC ENGINEER: [Signature]

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT
APPROVED BY: [Signature]
DATE: 1/20/09

HAWARDEN DRIVE IMPROVEMENTS
FROM WHISTLER WAY TO 600' NORTH OF WHISTLER WAY
PLAN & PROFILE
HORIZ. SCALE: 1"=20' VERT. SCALE: 1"=2'

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W.O. NO. -
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SHEET 2 OF 2
FILE NO.