RIVERSIDE CALIFORNIA

PUBLIC WORKS DEPARTMENT

REHABILITATION OF ARTERIAL STREETS 2007-2008

STPL - 5058 (077)

NO.	STREET	STREET LIMITS	T.I.	LENGTH
1	HOLE AVENUE	LA SIERRA AVE. TO MAGNOLIA AVE.	8.5	1.8 MILES

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

CM1 COLD MILL EXISTING A.C. PAVEMENT TO A MINIMUM UNIFORM DEPTH OF 0.15' AS SHOWN ON THE PLAN AND AS DIRECTED BY THE ENGINEER

CM2 FOLLOWING THE 0.15' UNIFORM COLD-MILLING PER CM1, COLD MILL EXISTING A.C. PAVEMENT AN ADDITIONAL 0.18' (TO A TOTAL DEPTH OF 0.33'), PER PLAN AND AS DIRECTED BY THE ENGINEER. PAVE THE ADDITIONAL DEPTH OF COLD-MILLED AREAS (0.18') WITH DGAC PAVEMENT PRIOR TO OVERLAYING THE ENTIRE ROADWAY WIDTH WITH A.R.H.M.-GG AC

PIP PROTECT IN PLACE, DESCRIPTION PER PLAN

OL OVERLAY THE ENTIRE PAVEMENT WIDTH WITH VARIABLE THICKNESS A.R.H.M.-GG AC (MINIMUM DEPTH=0.15')

1 REMOVE AND REPLACE EXISTING CROSS GUTTER AND/OR SPANDREL PER STD DRAWING NO 220 AS SHOWN ON THE PLAN

2 REMOVE EXISTING PAVEMENT AND REPLACE IT WITH 0.85' NEW D.G.A.C. PAVEMENT. REMOVAL AREAS SHALL BE DETERMINED AFTER THE INITIAL 0.15' UNIFORM COLD-MILLING OPERTATION IS COMPLETED AND PAVEMENT SURFACE IS INPECTED BY THE ENGINEER.

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4 REMOVE AND REPLACE EXISTING ACCESS RAMP PER STD. DRAWING 304 AS SHOWN ON THE PLAN AND AS DIRECTED BY THE ENGINEER. (RAMP TYPE MAY CHANGE TO FIT FIELD CONDITIONS)

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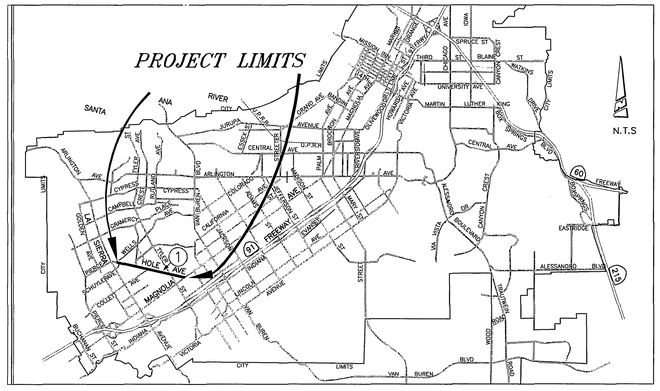
SPECIFIC CONSTRUCTION NOTES:

DURING THE CONSTRUCTION WORK, ALL SEWER, STORM DRAIN & UTILITY MANHOLES AND WATER GATE VALVES SHALL BE RAMPED UP OR DOUBLE ADJUSTED TO FACILITATE THE COLD-MILLING AND PAVING OPERATIONS. FOLLOWING THE CONSTRUCTION OF A.R.H.M.-GG AC FINAL FINISH SURFACE, ALL MANHOLES AND GATE VALVE COVERS SHALL BE ADJUSTED TO GRADE IF NEEDED.



LOCATION MAP

CONSTRUCTION LEGEND:

STREET CENTERLINE

STREET R/W

PROPOSED ELEVATION	574.76	PI	POINT OF INTERSECTION
TOP OF CURB	TC	V.C.	VERTICAL CURVE
EDGE OF PAVEMENT	EP	BVC	BEGIN VERTICAL CURVE
FLOWLINE	FL	EVC	END VERTICAL CURVE
FINISHED SURFACE	FS	PRC	POINT OF REVERSE CURVATURE
CENTERLINE	CL	G_1	GRADE INTO VERTICAL CURVE
GRADE BREAK	GB	G_2	GRADE OUT OF VERTICAL CURVE
ASPHALTIC CONCRETE	AC	APN	ASSESSORS PARCEL NUMBER
PORTLAND CEMENT CONCRETE	PCC	RCP	REINFORCED CONCRETE PIPE
CURB AND GUTTER	C&G	N'LY	NORTHERLY
RIGHT OF WAY	R/W	S'LY	SOUTHERLY
AC			ASPHALT CONCRETE
AB			AGGREGATE BASE
			CORING LOCATION

EXISTING TOPOGRAPHY:

- 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

EXISTING UNDERGROUND UTILITIES:

- SANITARY SEWER (S)
- WATER LINE
- UNDERGROUND ELECTRIC (UGE)

SHEET INDEX:

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2 TO 7	HOLE AVENUE IMPROVEMENTS

CORING TABLE

CORE NO	LOCATION	THICKNESS (FT) AC	AB
1	WEST BOUND, LANE NO. 2, AT ADDRESS 1011A	0.75	
2	WEST BOUND, LANE NO. 1, JUST EAST OF COUNTY CIRCLE PL	0.85	
3	WEST BOUND, LANE NO. 2, JUST WEST OF BONITA AVE	0.35	1.60
4	WEST BOUND, LANE NO. 1, JUST WEST OF PALMENTO DRIVE	0.40	0.85
5	WEST BOUND, LANE NO. 2, JUST EAST OF BINGHAM AVE	0.35	0.55
6	WEST BOUND, LANE NO. 2, JUST WEST OF HIERS AVE	0.35	1.12
7	WEST BOUND, LANE NO. 2, AT ADDRESS 11019	1.30	
8	WEST BOUND, LANE NO. 1, AT ADDRESS 11075	0.90	
9	EAST BOUND, LANE NO. 2, JUST WEST OF BAYNNE	0.70	
10	EAST BOUND, LANE NO. 1, AT ADDRESS 10744	0.75	
11	EAST BOUND, LANE NO. 2, JUST EAST OF CALIFORNIA AVE	0.45	0.9
12	EAST BOUND, LANE NO. 2, JUST EAST OF PENDLETON ST	0.60	
13	EAST BOUND, LANE NO. 2, JUST EAST OF TYLER ST	0.60	

Notes:

1. The above geotechnical information is taken from the Geotechnical Report prepared by LOR, INC., dated March 24, 2008. For additional information, see the report.
2. The above information is approximate representation of the existing pavement structural section. The City does not gaurantee that the information uniformly apply across the roadway of the core locations. The above information is based on core samples taken in each block as an approximate representation of the pavement in that location.

ENGINEER IN RESPONSIBLE CHARGE
IBRAHIM A. MASSOUD
R.C.E. No. 64224 expires 6/30/09
DATE 10-22-08

REGISTERED PROFESSIONAL ENGINEER IBRAHIM A. MASSOUD No. 64224 Exp. 6-30-2009 CIVIL STATE OF CALIFORNIA

MARK	REVISIONS	APPR.	DATE

DESIGNED BY AP DRAWN BY AP CHECKED BY IM

APPROVED BY	BY	DATE
PRINCIPAL ENGINEER	IM	10/22/08
CONSTRUCTION ADMIN.	SH	10/24/08
SURVEYOR	—	—
STREET SERVICES	JOR	10.22.08
TRAFFIC ENGINEER	SH	10/23/08
PARK & REC. DEP.	—	—

CITY OF RIVERSIDE, CALIFORNIA
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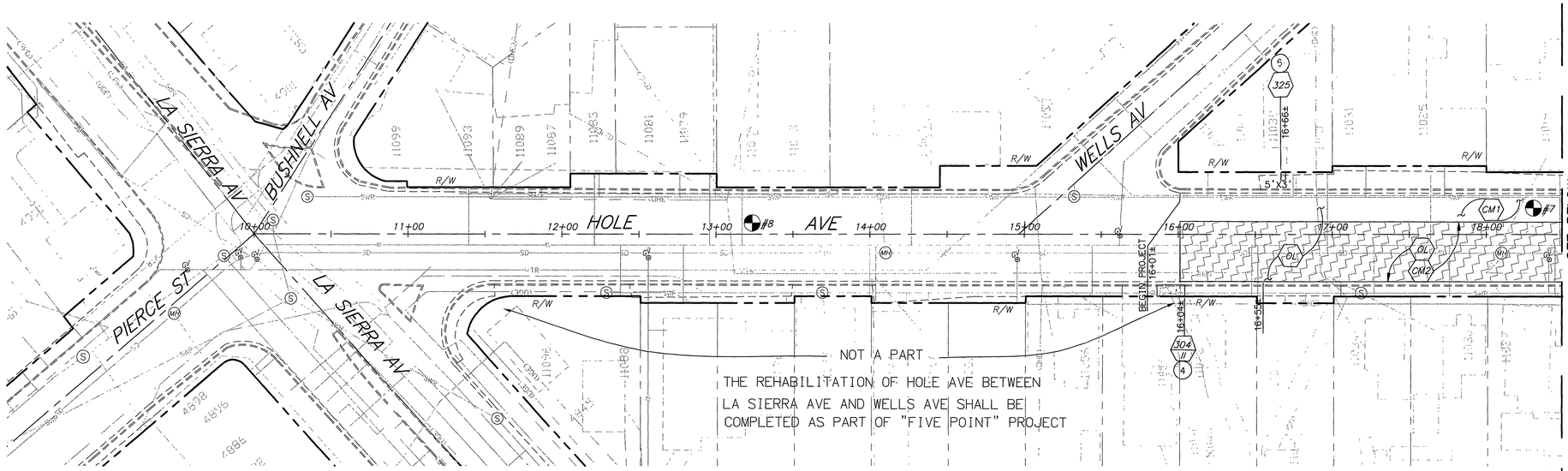
APPROVED BY _____
CITY ENGINEER
DATE 11/3/08

Rehabilitation of Arterial Streets
HOLE AVENUE
LA SIERRA AVE TO MAGNOLIA AVE
2007-2008 STPL-5058(077)
HORIZ. SCALE: 1"=40'

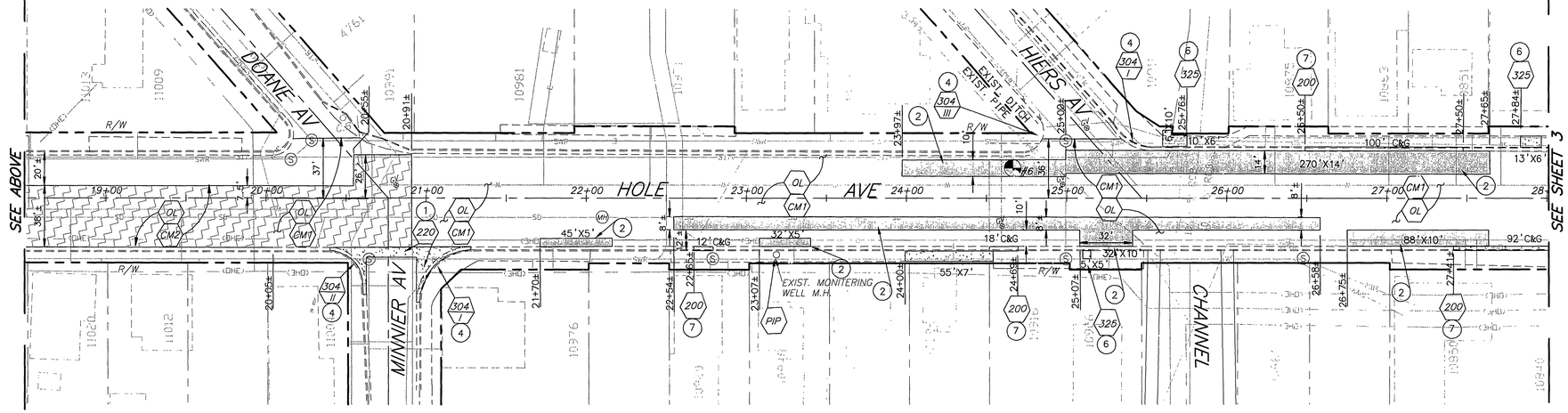
ACCT. NO. 9595330214
W.O. NO. -810253
R-4087
SHEET 1 OF 7
FILE NO.



18+50 LINE

SEE BELOW

18+50 MATCH



28+00 LINE

SEE ABOVE

SEE SHEET 3

18+50 MATCH

28+00 MATCH

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CONSTRUCTION ADMIN.		10/27/08
SURVEYOR	—	—
STREET SERVICES		10-28-08
TRAFFIC ENGINEER		10/27/08
PARK & REC. DEP.	—	—

CITY OF RIVERSIDE, CALIFORNIA
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Rehabilitation of Arterial Streets
HOLE AVENUE
LA SIERRA AVE TO MAGNOLIA AVE
2007-2008 STPL-5058(077)
HORIZ. SCALE: 1"=40'

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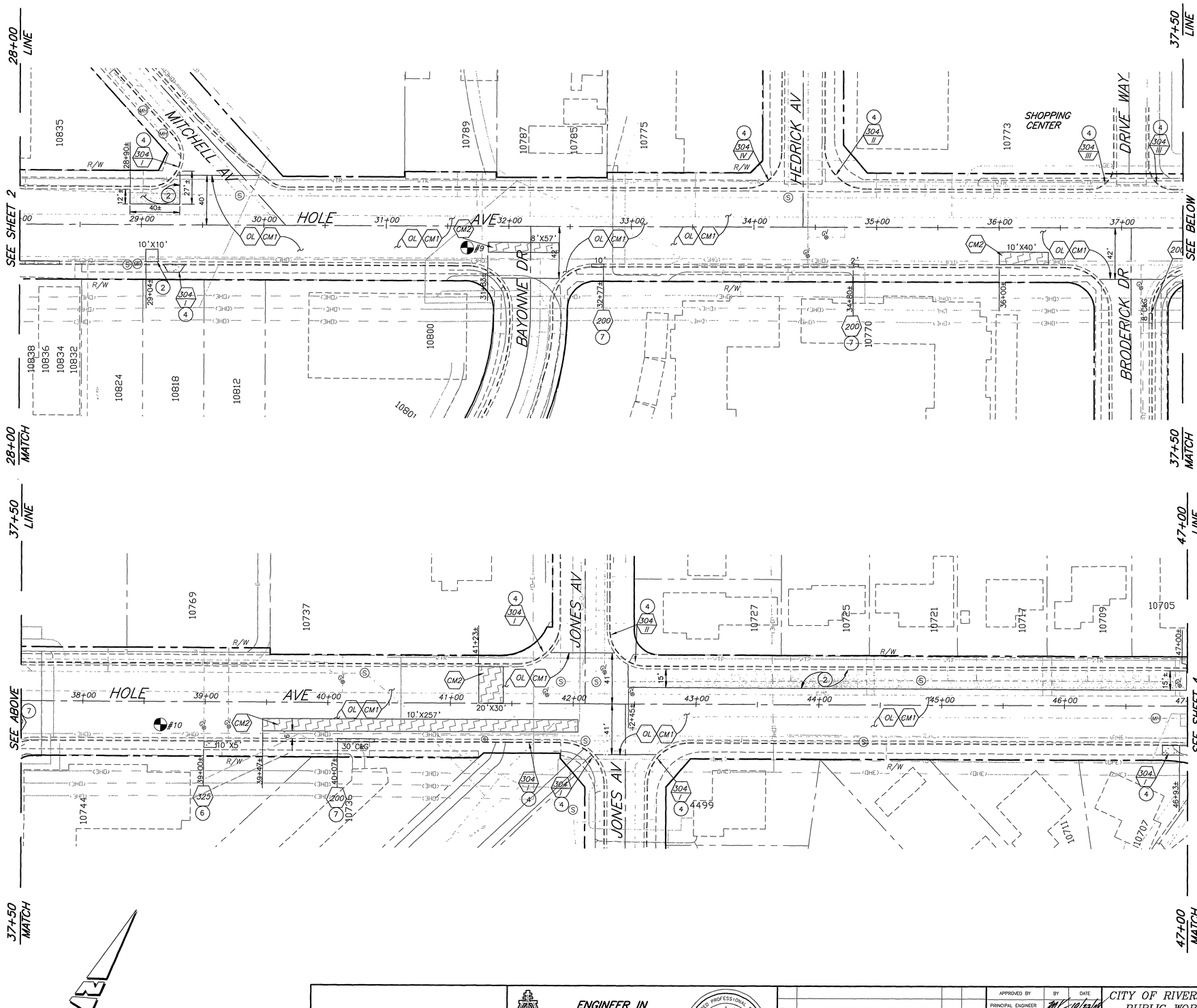
R-4087
SHEET 2 OF 7
FILE NO.



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SURVEYOR	—	—
STREET SERVICES	DER	10-22-08
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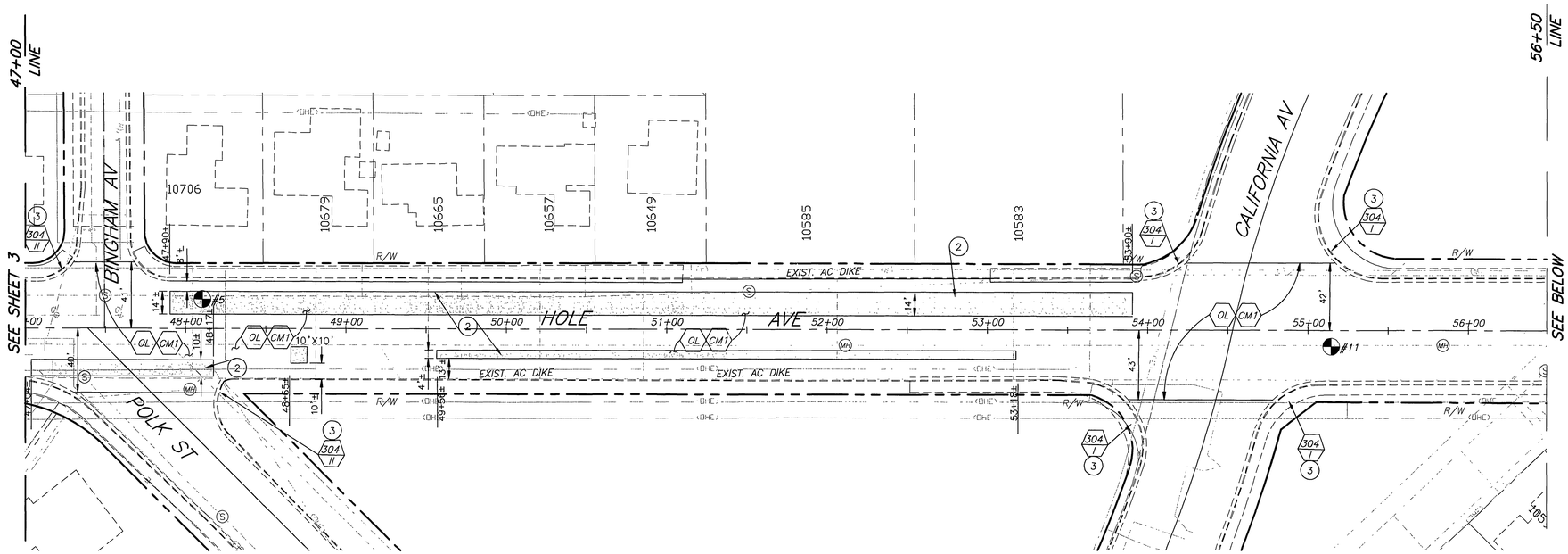

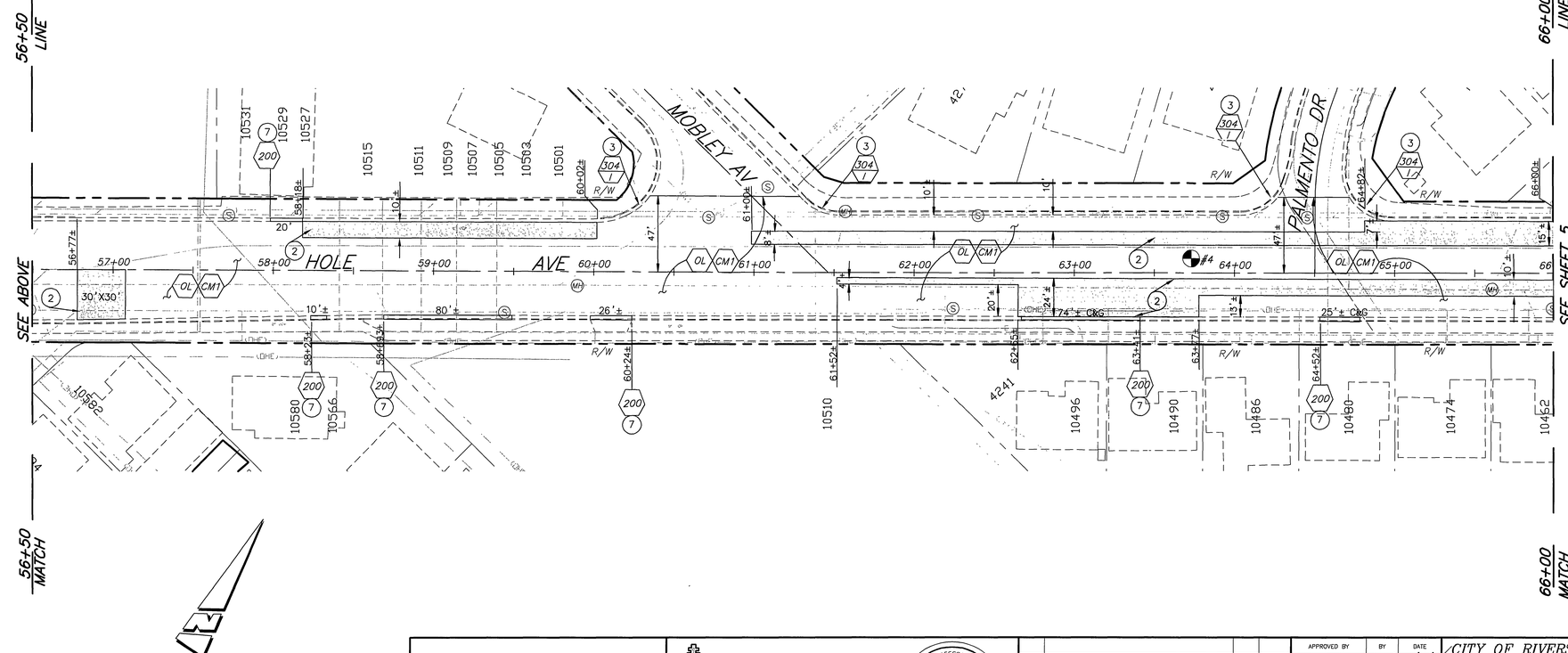

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CONSTRUCTION ADMIN.	SK	10/27/08
SURVEYOR	—	—
STREET SERVICES	JAS	10-30-08
TRAFFIC ENGINEER	KH	10/27/08
PARK & REC. DEP.	—	—

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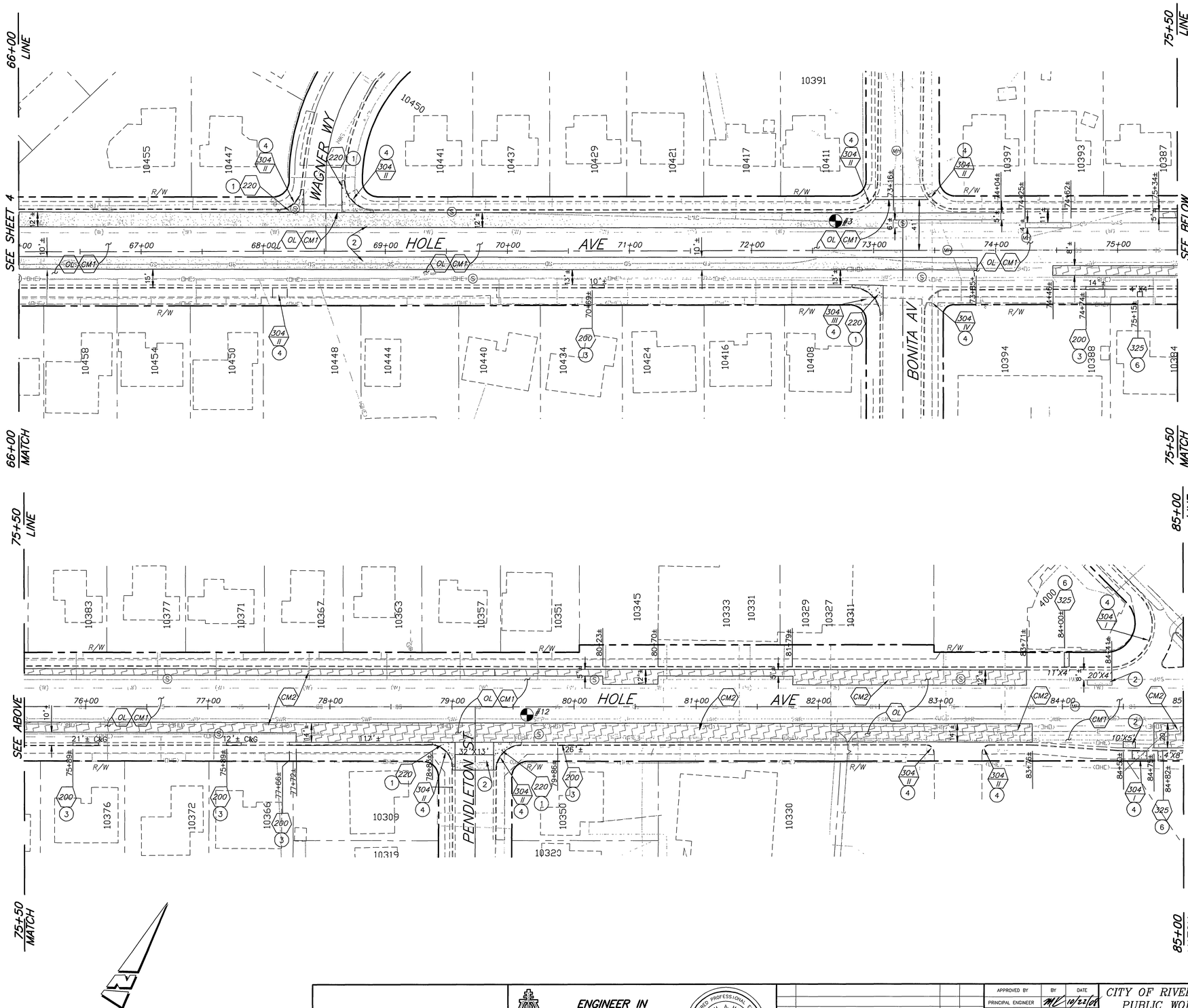

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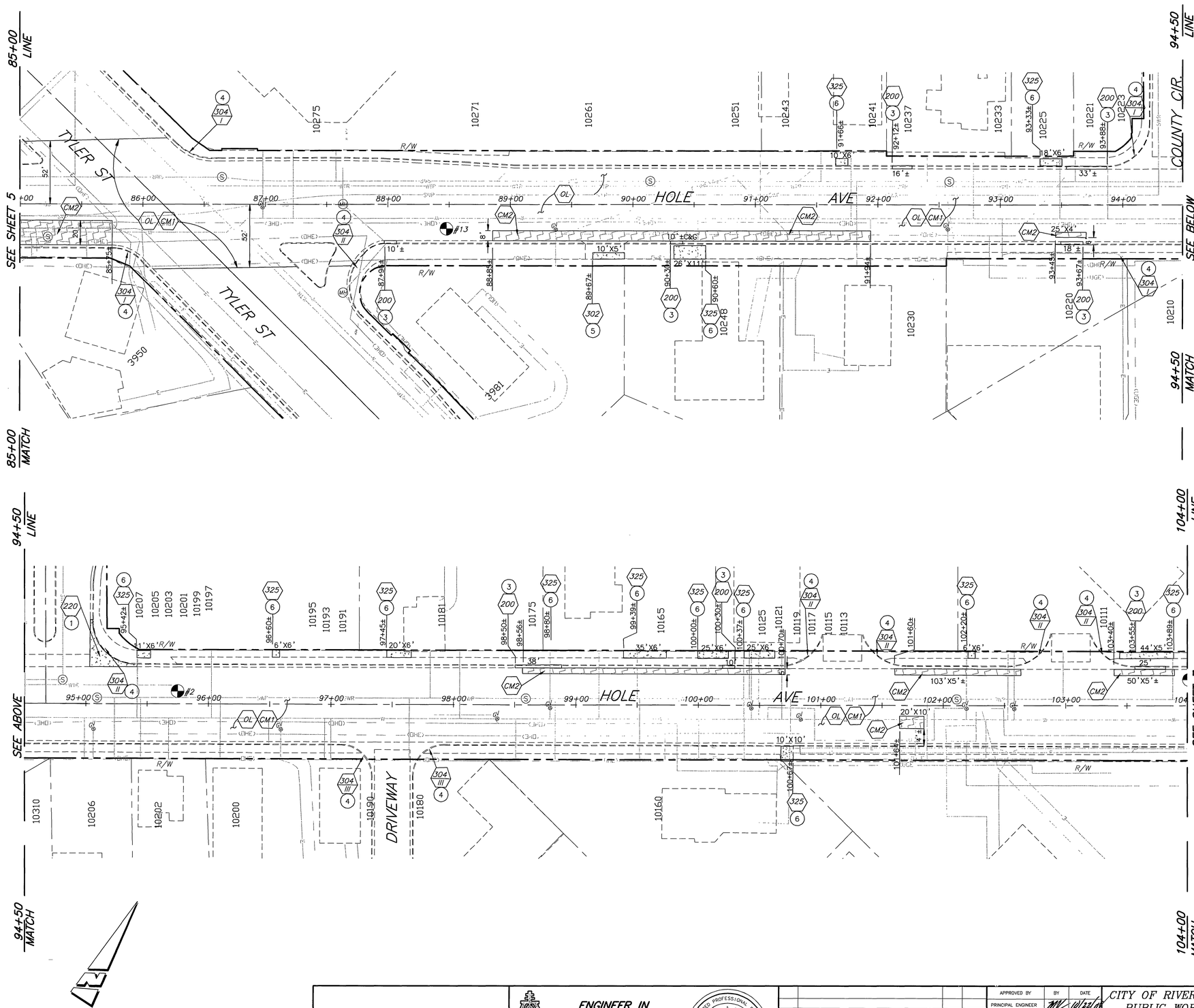

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2 — REMOVE EXISTING PAVEMENT AND REPLACE IT WITH 0.85' NEW D.G.A.C. PAVEMENT. REMOVAL AREAS SHALL BE DETERMINED AFTER THE INITIAL 0.15' UNIFORM COLD-MILLING OPERTATION IS COMPLETED AND PAVEMENT SURFACE IS INPECTED BY THE ENGINEER.

3 — REMOVE AND REPLACE EXISTING CURB & GUTTER PER STD DRAWING NO 200 AS SHOWN ON THE PLAN AND AS DIRECTED BY THE ENGINEER

4 — REMOVE AND REPLACE EXISTING ACCESS RAMP PER STD. DRAWING 304 AS SHOWN ON THE PLAN AND AS DIRECTED BY THE ENGINEER. (RAMP TYPE MAY CHANGE TO FIT FIELD CONDITIONS)

5 — REMOVE AND REPLACE EXISTING DRIVEWAY PER STD DRAWING NO. 302 AS SHOWN ON THE PLAN AND AS DIRECTED BY THE ENGINEER

6 — REMOVE AND REPLACE EXISTING SIDEWALK PER STD DRAWING NO 325 AS SHOWN ON THE PLAN AND AS DIRECTED BY THE ENGINEER

7 — REMOVE AND REPLACE EXISTING CURB & GUTTER PER STD DRAWING NO 200 AS SHOWN ON THE PLAN AND AS DIRECTED BY THE ENGINEER

ENGINEER IN RESPONSIBLE CHARGE
IBRAHIM A. MASSOUD
R.C.E. No. 64224 expires 6/30/09
DATE 10-22-08

REGISTERED PROFESSIONAL ENGINEER — IBRAHIM A. MASSOUD — No. 64224 — Exp. 6-30-2009 — CIVIL — STATE OF CALIFORNIA

MARK	REVISIONS	APPR.	DATE

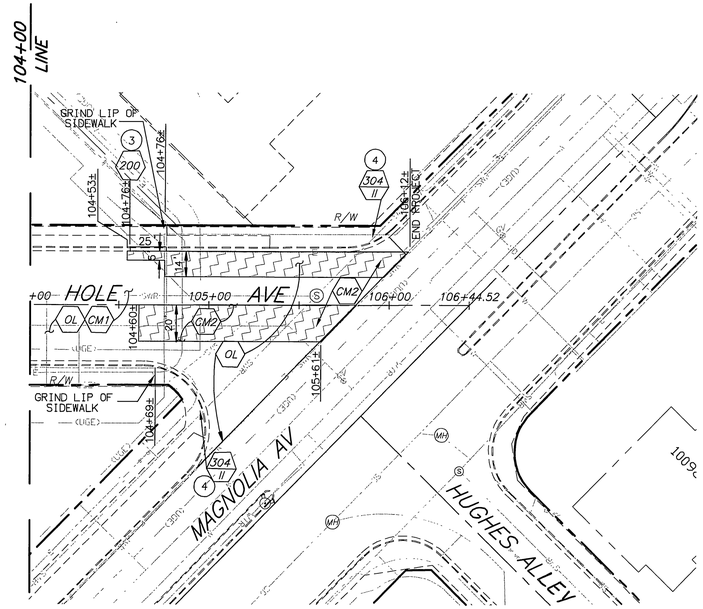
DESIGNED BY AE DRAWN BY AE CHECKED BY IM

APPROVED BY	BY	DATE
PRINCIPAL ENGINEER	MM	10/22/08
CONSTRUCTION ADMIN.	SR	10/22/08
SURVEYOR	—	—
STREET SERVICES	JBR	10-22-08
TRAFFIC ENGINEER	[illegible]	10/24/08
PARK & REC. DEP.	—	—

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT
APPROVED BY
CITY ENGINEER
DATE 11/3/08

Rehabilitation of Arterial Streets
HOLE AVENUE
LA SIERRA AVE TO MAGNOLIA AVE
2007-2008 STPL-5058(077)
HORIZ. SCALE: 1"=40'

ACCT. NO. 9595330214
W.O. NO. -810253
R-4087
SHEET 6 OF 7
FILE NO.

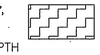


CONSTRUCTION NOTES:

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

CM1 — COLD MILL EXISTING A.C. PAVEMENT TO A MINIMUM UNIFORM DEPTH OF 0.15' AS SHOWN ON THE PLAN AND AS DIRECTED BY THE ENGINEER

CM2 — FOLLOWING THE 0.15' UNIFORM COLD-MILLING PER CM1, COLD MILL EXISTING A.C. PAVEMENT AN ADDITIONAL 0.18' (TO A TOTAL DEPTH OF 0.33'), PER PLAN AND AS DIRECTED BY THE ENGINEER. PAVE THE ADDITIONAL DEPTH OF COLD-MILLED AREAS (0.18') WITH DGAC PAVEMENT PRIOR TO OVERLAYING THE ENTIRE ROADWAY WIDTH WITH A.R.H.M.-GG AC



PIP — PROTECT IN PLACE, DESCRIPTION PER PLAN

OL — OVERLAY THE ENTIRE PAVEMENT WIDTH WITH VARIABLE THICKNESS A.R.H.M.-GG AC (MINIMUM DEPTH=0.15')

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ENGINEER IN RESPONSIBLE CHARGE
IBRAHIM A. MASSOUD
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DATE 10-22-08

REGISTERED PROFESSIONAL ENGINEER — IBRAHIM A. MASSOUD — No. 64224 — Exp. 6-30-2009 — CIVIL — STATE OF CALIFORNIA

MARK	REVISIONS	APPR.	DATE

DESIGNED BY NE DRAWN BY NE CHECKED BY IM

APPROVED BY	BY	DATE
PRINCIPAL ENGINEER	MK	10/22/08
CONSTRUCTION ADMIN.	BD	10/31/08
SURVEYOR	—	—
STREET SERVICES	[illegible]	10-28-08
TRAFFIC ENGINEER	[illegible]	10/27/08
PARK & REC. DEP.	—	—

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