

**GENERAL NOTES**

- NO PERSON SHALL PERFORM ANY CONSTRUCTION ACTIVITY OR INSTALL ANY OBJECTS WITHIN THE PUBLIC RIGHTS-OF-WAY OR EASEMENTS OF THE CITY OF RIVERSIDE WITHOUT A VALID CONSTRUCTION PERMIT OR, A STREET OPENING PERMIT OR AN ENCROACHMENT PERMIT ISSUED BY THE CITY'S PUBLIC WORKS DEPARTMENT.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CLEAR THE RIGHT-OF-WAY IN ACCORDANCE WITH THE PROVISIONS OF LAW AS IT AFFECTS EACH UTILITY INCLUDING IRRIGATION LINES AND APPURTENANCES AND AT NO COST TO THE CITY.
- CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF RIVERSIDE DEPARTMENT OF PUBLIC WORKS, STANDARD DRAWINGS, ITS SUPPLEMENTAL NOTES AND THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, CURRENT EDITION.
- THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE WORK HEREON. IN THE EVENT OF DISCREPANCIES ARISING DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY THE CITY.
- QUANTITIES SHOWN ARE FOR INFORMATION ONLY AND THE CITY OF RIVERSIDE IS NOT RESPONSIBLE FOR THEIR ACCURACY.
- THE DEVELOPER SHALL BE RESPONSIBLE FOR PRESERVING OR RE-ESTABLISHING AND REFERENCING SURVEY MONUMENTS DESTROYED, DISTURBED OR BURIED AS A RESULT OF CONSTRUCTION SHOWN HEREON.
- ALL FLAGGED ELEVATIONS SHALL BE STAKED IN THE FIELD BY THE PRIVATE ENGINEER.
- ANY TRAFFIC CONTROL STRIPING OBLITERATED AND/OR BADLY WORN DURING CONSTRUCTION SHALL BE RESTORED BY THE CONTRACTOR WITHIN FIVE DAYS AFTER NOTIFICATION FROM THE CITY INSPECTOR.
- THE CONTRACTOR SHALL CALL IN A LOCATION REQUEST TO UNDERGROUND SERVICE ALERT (USA), PHONE # 1-800-227-2600, TWO WORKING DAYS BEFORE DIGGING. NO CONSTRUCTION PERMIT WILL BE ISSUED BY THE PUBLIC WORKS DEPARTMENT INVOLVING EXCAVATION FOR UNDERGROUND FACILITIES UNLESS THE APPLICANT HAS BEEN PROVIDED AN INQUIRY IDENTIFICATION NUMBER BY U.S.A.
- CONTRACTOR IS TO VERIFY EXISTING SEWER LOCATION AND ELEVATION PRIOR TO START OF CONSTRUCTION.
- NO FINISHED FLOOR ELEVATION SHALL BE LESS THAN 6" ABOVE THE UPPER MANHOLE RIM ELEVATION OF THE SEWER LINE SEGMENT BEING CONNECTED TO, WITHOUT HAVING A PROPER BACKWATER VALVE INSTALLED IN THE LATERAL.
- A PLUG SHOULD BE INSTALLED AND WILL REMAIN IN PLACE WHERE THE MAIN SEWER CONNECTS WITH THE EXISTING SEWER UNTIL THE NEW SEWER IS ACCEPTED BY THE CITY.
- THE SEWER CONTRACTOR SHALL ADJUST MANHOLES TO FINAL GRADE AFTER PAVING IS COMPLETED.

**NOTICE TO CONTRACTOR**

ACCORDING TO INFORMATION PROVIDED BY UNDERGROUND SERVICE ALERT (U.S.A.) DATED FEBRUARY 18, 1993, THE FOLLOWING ORGANIZATIONS ARE U.S.A. MEMBERS WITHIN THE PROJECT AREA:

CHARTER COMMUNICATIONS	AT&T
PACIFIC BELL	CITY OF RIVERSIDE
RIVERSIDE HIGHLAND WATER	THE GAS COMPANY

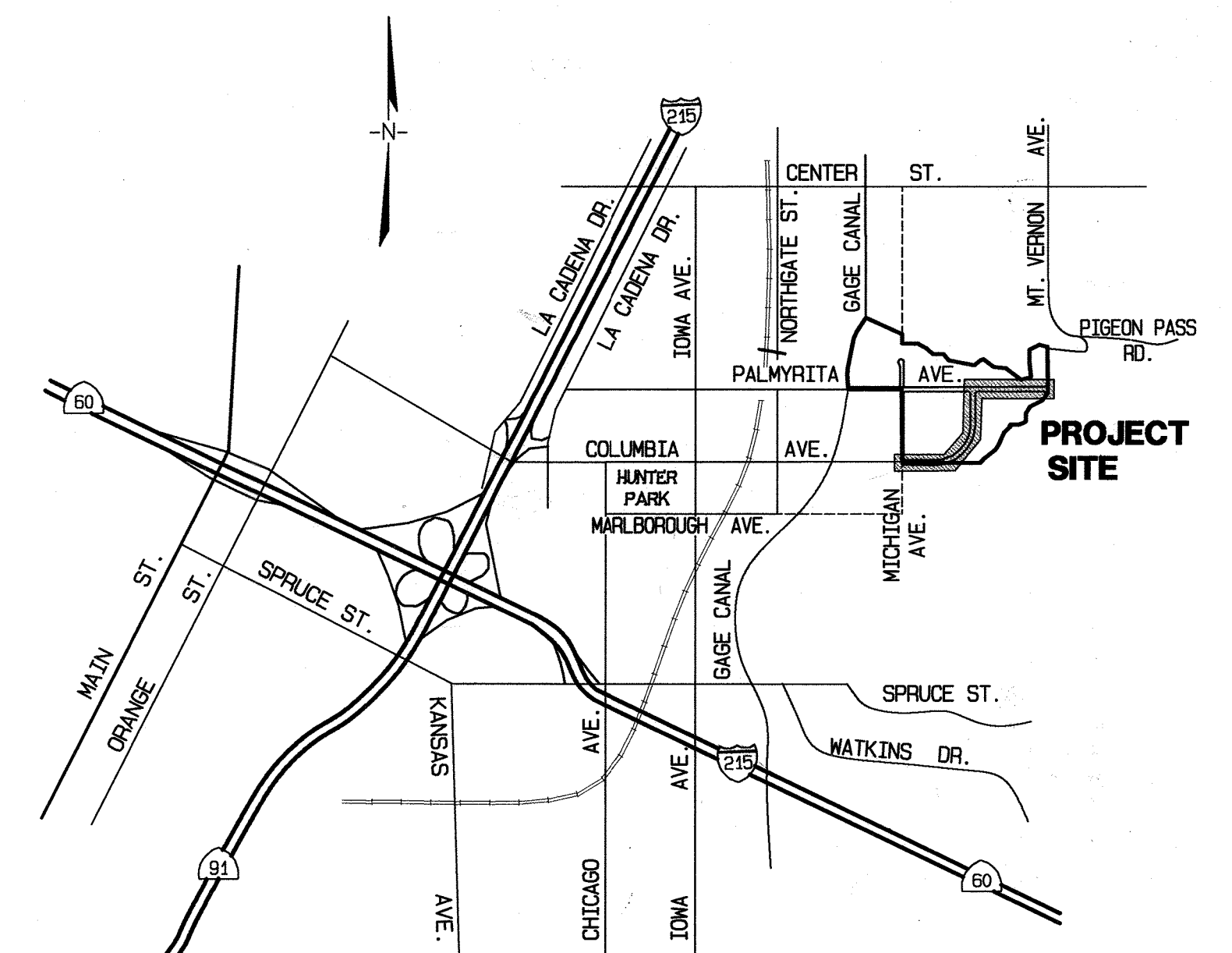
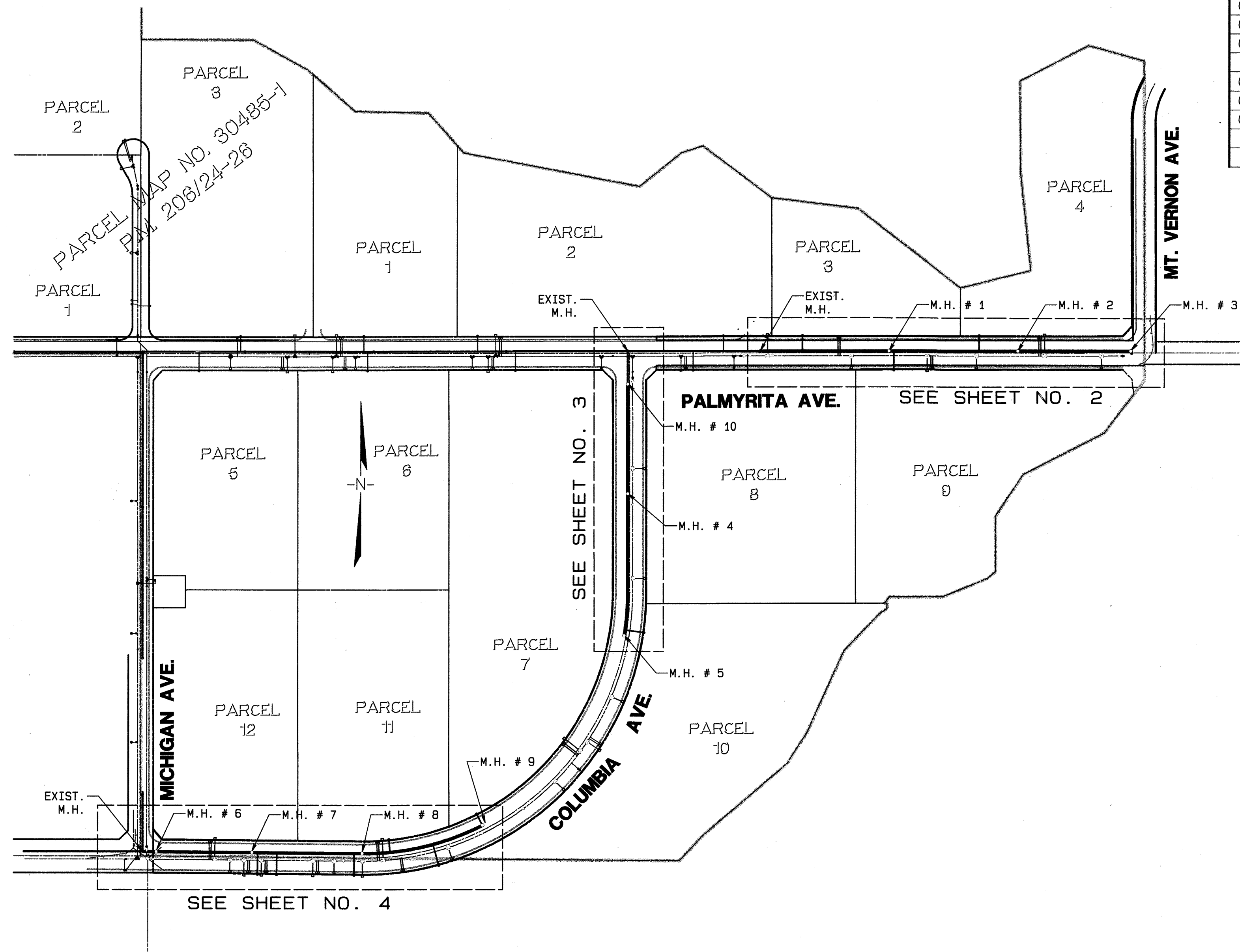
THE EXISTENCE AND LOCATIONS OF ALL UNDERGROUND UTILITIES (UTILITY PIPES, STRUCTURES, ETC.) SHOWN ON THESE PLANS (MAIN LINES ONLY - NO SERVICE LATERALS) WERE ASCERTAINED BY A REVIEW OF RECORDS PROVIDED BY THESE MEMBER AGENCIES AND ARE APPROXIMATE. NEITHER THE OWNER NOR THE ENGINEER ASSUMES ANY RESPONSIBILITY FOR UTILITIES NOT SHOWN OR NOT IN THE LOCATION SHOWN.

THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT ALL UTILITIES SHOWN ON THESE PLANS AND/OR ANY OTHER UNDERGROUND UTILITIES NOT OF RECORD OR NOT SHOWN ON THESE PLANS.

**CONSTRUCTION NOTES AND QUANTITY ESTIMATE: \***

ITEM	DESCRIPTION	AMOUNT	UNIT
①	INSTALL 10" VCP SEWER MAIN, BEDDING PER CITY OF RIVERSIDE STANDARD DRAWING NO. 452, (CASE I).	978	L.F.
②	INSTALL 8" VCP SEWER MAIN, BEDDING PER CITY OF RIVERSIDE STANDARD DRAWING NO. 452, (CASE I).	1,552	L.F.
③	CONSTRUCT MANHOLE PER CITY OF RIVERSIDE STANDARD DRAWING NO. 500.	10	EA.
④	INSTALL 6" VCP SEWER LATERAL WITH PROPERTY LINE CLEAN OUT PER CITY OF RIVERSIDE STANDARD DRAWING NO. 562A.	19	EA.
		496	LF
⑤	INSTALL SEWER PLUG (SIZE PER PLAN)	1	EA.
⑥	REMOVE EXISTING CLEAN OUT & JOIN 8" SEWER MAIN.	1	EA.
⑦	REMOVE EXISTING SEWER STUB & JOIN MANHOLE.	1	EA.

\* QUANTITIES SHOWN ON THESE PLANS ARE FOR ESTIMATING PURPOSES ONLY. CONTRACTOR SHALL VERIFY ALL QUANTITIES AND BID A COMPLETE JOB.



**VICINITY MAP**

N.T.S.  
T2S, 44M, SECTIONS 6 & 17

6:2004104-0143 v09090909 040143SEW.dwg 14, 2008 08:57:01AM

<del>CHARTER COMMUNICATIONS</del>	<del>SOUTHERN CALIFORNIA GAS COMPANY</del>
APPROVED BY: _____ DATE _____	APPROVED BY: _____ DATE _____
<b>DIGALERT</b>	<b>CITY OF RIVERSIDE OVERHEAD &amp; UNDERGROUND</b>
DIAL BEFORE YOU DIG TOLL FREE	APPROVED BY: <i>[Signature]</i> DATE: 1/10/07
TWO WORKING DAYS BEFORE YOU DIG	<b>PACIFIC BELL</b>
A PUBLIC SERVICE BY 1-800-227-2600	APPROVED BY: <i>[Signature]</i> DATE: 4/22/06
UNDERGROUND SERVICE ALERT	

**BENCH MARK:** "J8-D3"  
LEAD AND TACK IN THE TOP OF CURB, 3.5 FEET NORTH OF THE B.C.R. OF THE NORTHWEST CURB RETURN AT PALMYRITA AVENUE AND IONA AVENUE.  
ELEV. = 918.908

**CITY OF RIVERSIDE WATER DEPARTMENT**

APPROVED BY: *[Signature]* DATE: 1/10/07

**ALBERT A. WEBB ASSOCIATES ENGINEERING CONSULTANTS**

3788 McCRAY ST.  
RIVERSIDE, CA. 92506  
PH: (951) 686-1070  
FAX: (951) 788-1256

APPROVED BY: *[Signature]* DATE: 11-22-06  
R.E. No. C44782

W.D. 04-0143 FOR: Operating Engineers Trust Funds

ALL REVISIONS MARKED  $\Delta$  PREPARED UNDER THE DIRECTION OF  
BRIAN D. GLIDDEN RCE NO. 48287  
ARROW ENGINEERING COMPANY  
42198 10th ST. W LANCASTER, CA 93534  
PHONE: (661) 949-2525

CITY BUSINESS TAX CERTIFICATE NO. 5751 EXP. 12-31-06  
BUSINESS TAX ID. 108446 EXP. DATE 8/30/2007

REVISIONS:  $\Delta$  REVISE MH INVERTS & PIPE GRADES  
DATE: 11-22-06  
APPR. DATE: 5/24/07

DESIGNED BY: V.S. DRAWN BY: R.R. CHECKED BY: SRH

**CITY OF RIVERSIDE, CALIFORNIA PUBLIC WORKS DEPARTMENT**

APPROVED BY: \_\_\_\_\_ BY DATE: \_\_\_\_\_  
PRINCIPAL ENGINEER

APPROVED BY: *[Signature]*  
DATE: 3/8/07  
CITY ENGINEER

**SEWER IMPROVEMENT PLANS FOR PARCEL MAP No. 30485 TITLE SHEET**

SCALE: 1" = 200'

**PW06-0029**

ACCOUNT NO. \_\_\_\_\_

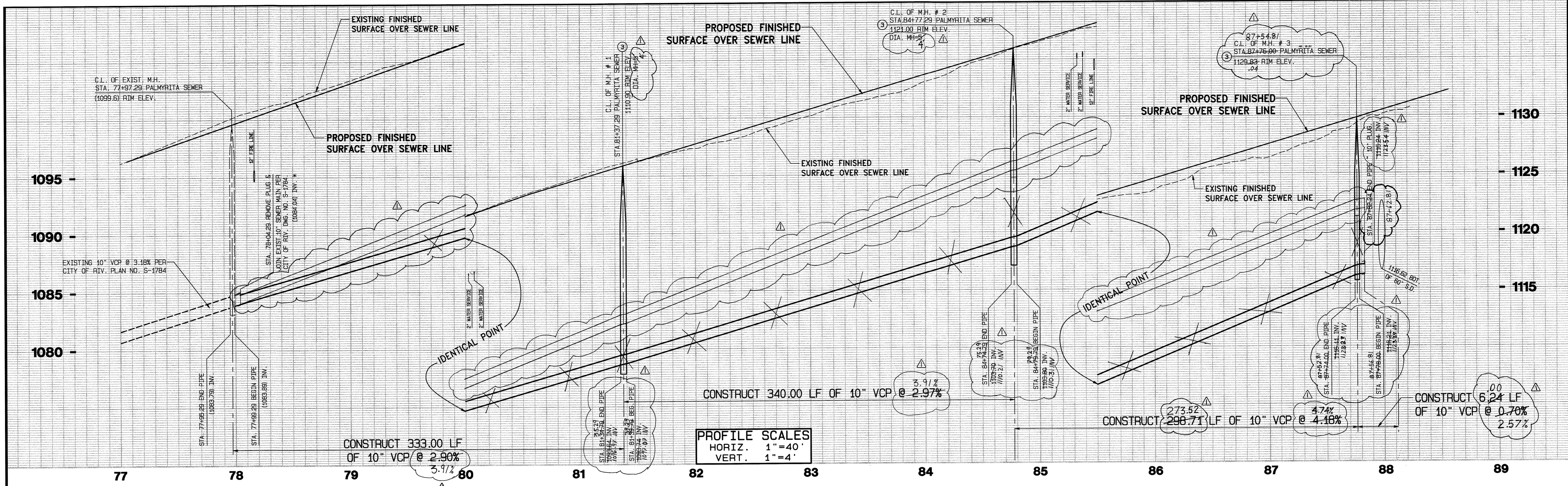
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SHEET **1** OF **4**

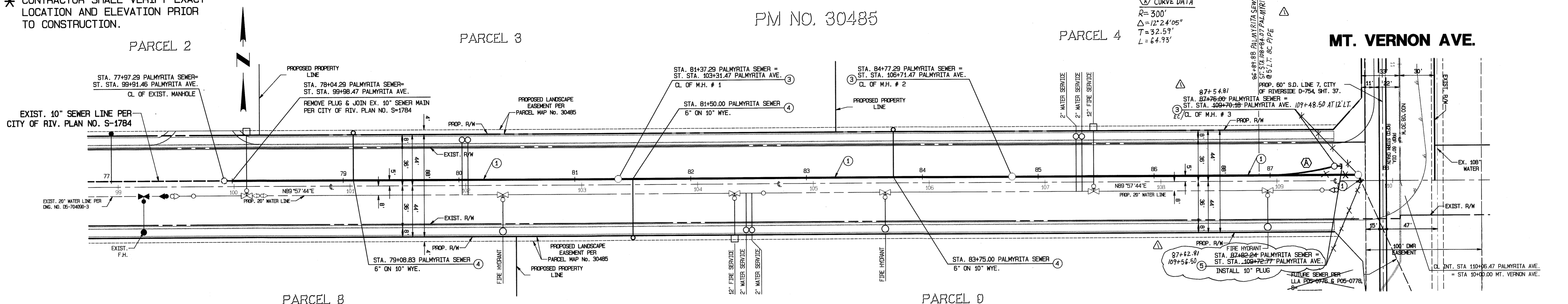
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INDEXED 4-09-07 LFH





\* CONTRACTOR SHALL VERIFY EXACT LOCATION AND ELEVATION PRIOR TO CONSTRUCTION.



- CONSTRUCTION NOTES:**
- 1 - INSTALL 10" VCP SEWER MAIN, BEDDING PER CITY OF RIVERSIDE STANDARD DRAWING NO. 452, (CASE I).
  - 2 - CONSTRUCT MANHOLE PER CITY OF RIVERSIDE STANDARD DRAWING NO. 500.
  - 3 - INSTALL 6" VCP SEWER LATERAL WITH PROPERTY LINE CLEAN OUT PER CITY OF RIVERSIDE STANDARD DRAWING NO. 562A.
  - 4 - INSTALL SEWER PLUG (SIZE PER PLAN)

# PALMYRITA AVENUE

<b>CHARTER COMMUNICATIONS</b> APPROVED BY: _____ DATE: _____ 		<b>SOUTHERN CALIFORNIA GAS COMPANY</b> APPROVED BY: _____ DATE: _____ 	
<b>CITY OF RIVERSIDE OVERHEAD &amp; UNDERGROUND</b> APPROVED BY: <i>Wam</i> DATE: _____ <b>PACIFIC BELL</b> APPROVED BY: <i>Steve Carley</i> DATE: <i>4/22/06</i>		<b>BENCH MARK:</b> "JB-D3" LEAD AND TACK IN THE TOP OF CURB, 3.5 FEET NORTH OF THE D.C.P. OF THE NORTHWEST CURB RETURN AT PALMYRITA AVENUE AND IOWA AVENUE. ELEV. = 918.908 <b>CITY OF RIVERSIDE WATER DEPARTMENT</b> APPROVED BY: <i>MW MUEL</i> DATE: <i>1/10/07</i>	

<b>ALBERT A. WEBB ASSOCIATES ENGINEERING CONSULTANTS</b> APPROVED BY: <i>[Signature]</i> DATE: <i>11-22-06</i> R.C.E. NO. C44762		<b>CIVIL ENGINEERS</b> 3788 McCRA Y ST. RIVERSIDE, CA. 92506 PH: (951) 686-1070 FAX: (951) 788-1256	
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<b>CITY OF RIVERSIDE, CALIFORNIA PUBLIC WORKS DEPARTMENT</b> APPROVED BY: _____ DATE: _____ PRINCIPAL ENGINEER: <i>[Signature]</i> CITY ENGINEER: <i>[Signature]</i> DATE: <i>3/8/07</i>		<b>SEWER IMPROVEMENT PLANS FOR PARCEL MAP No. 30485 PALMYRITA AVENUE</b> FROM STA. 78+04.29 TO STA. 87+56.29 SCALE: HORIZ. 1"=40', VERT. 1"=4' ACCOUNT NO. PW06-0029 DRAWING NUMBER <b>S-1979</b> SHEET <b>2</b> OF <b>4</b> 040143SEW.PRO	
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DESIGNED BY: *V.S.* DRAWN BY: *R.R.* CHECKED BY: *SPH*

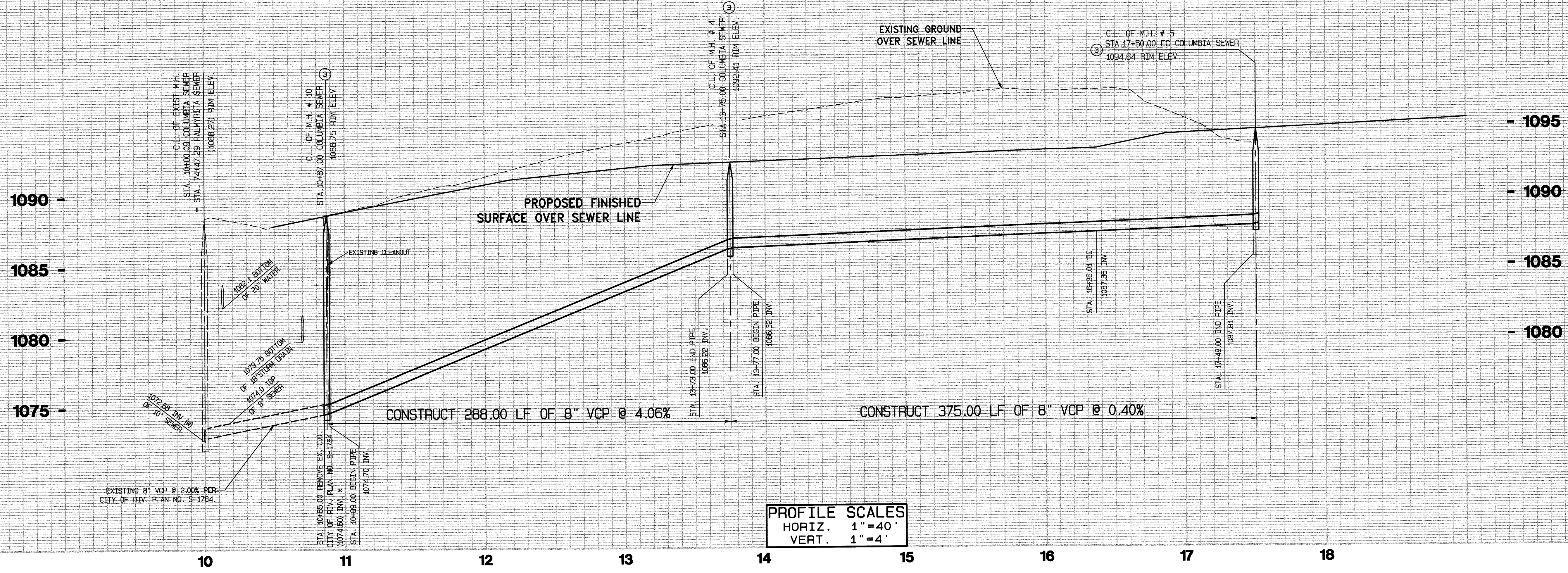
REVISIONS: *REVISE MH INVERTS & PIPE GRADES* DATE: *3/24/07*

GRAPHIC SCALE 1"=40'

INDEXED 4-09-07 *gh*

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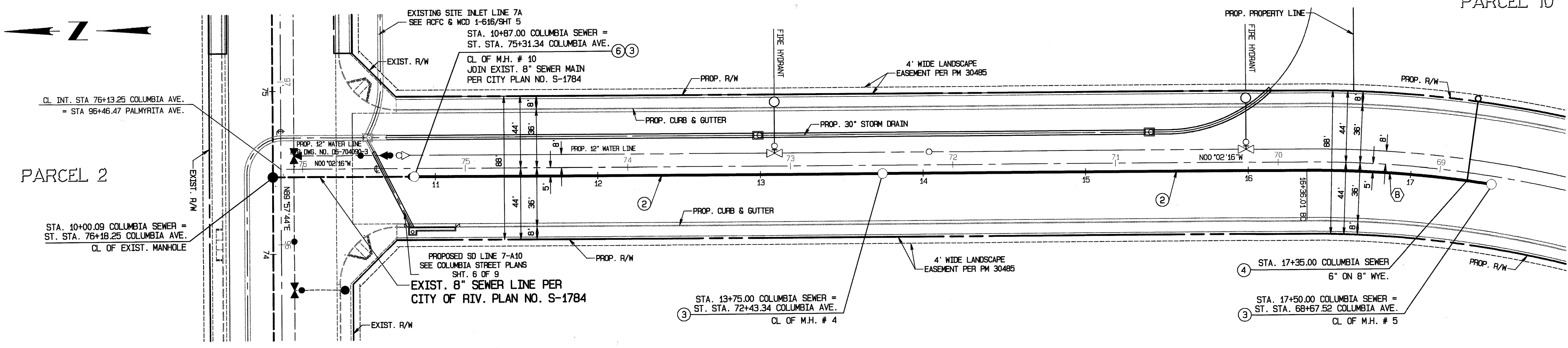




PROFILE SCALES  
 HORIZ. 1"=40'  
 VERT. 1"=4'

\* CONTRACTOR SHALL VERIFY EXACT LOCATION AND ELEVATION PRIOR TO CONSTRUCTION.

PM NO. 30485



PALMYRITA AVENUE

PARCEL 7

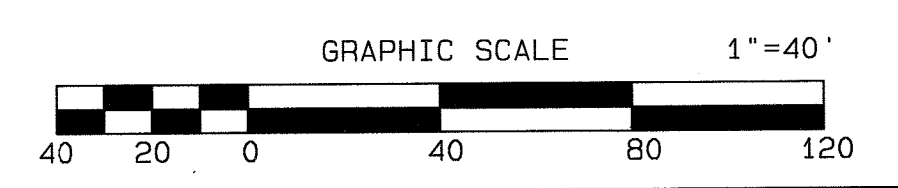
PM NO. 30485

# COLUMBIA AVENUE

SEWER CURVE DATA  
 Δ = 9°23'50"  
 R = 695.00'  
 T = 57.12'  
 L = 113.99'  
 BC = 16+36.01  
 EC = 17+50.00

**CONSTRUCTION NOTES:**

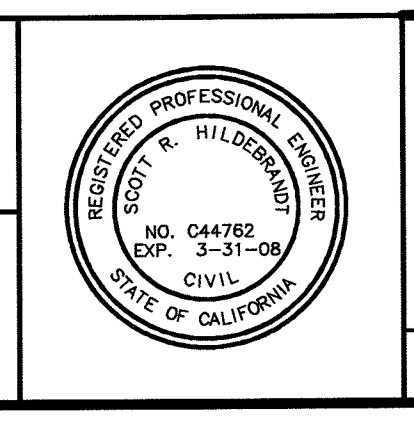
- ② - INSTALL 8" VCP SEWER MAIN, BEDDING PER CITY OF RIVERSIDE STANDARD DRAWING NO. 452, (CASE I).
- ③ - CONSTRUCT MANHOLE PER CITY OF RIVERSIDE STANDARD DRAWING NO. 500.
- ④ - INSTALL 6" VCP SEWER LATERAL WITH PROPERTY LINE CLEAN OUT PER CITY OF RIVERSIDE STANDARD DRAWING NO. 562A.
- ⑤ - REMOVE EXISTING CLEAN OUT & JOIN 8" SEWER MAIN.



<del>CHARTER COMMUNICATIONS</del> APPROVED BY: _____ DATE: _____		<del>SOUTHERN CALIFORNIA GAS COMPANY</del> APPROVED BY: _____ DATE: _____	
<b>DIGALERT</b> DIAL BEFORE YOU DIG TOLL FREE A PUBLIC SERVICE BY 1-800-227-2600 UNDERGROUND SERVICE ALERT		CITY OF RIVERSIDE OVERHEAD & UNDERGROUND APPROVED BY: <i>[Signature]</i> DATE: _____ PACIFIC BELL APPROVED BY: <i>[Signature]</i> DATE: 4/22/06	

BENCH MARK: "JB-D3"  
 LEAD AND TACK IN THE TOP OF CURB, 3.5 FEET NORTH OF THE B.C.R. OF THE NORTHWEST CURB RETURN AT PALMYRITA AVENUE AND IONA AVENUE.  
 ELEV. = 918.908

CITY OF RIVERSIDE WATER DEPARTMENT  
 APPROVED BY: *[Signature]* DATE: 1/10/07



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 RIVERSIDE, CA. 92506  
 PH: (951) 686-1070  
 FAX: (951) 788-1256  
 11-22-06

APPROVED BY: *[Signature]* DATE: 11-22-06  
 R.C.E. NO. C44782

H.O. 04-0143 FOR: Operating Engineers Trust Funds

MARK	REVISIONS	APPR.	DATE

CITY OF RIVERSIDE, CALIFORNIA  
 PUBLIC WORKS DEPARTMENT

APPROVED BY:	BY DATE:	APPROVED BY:
PRINCIPAL ENGINEER	<i>[Signature]</i> 1/10/07	<i>[Signature]</i> 3/8/07
CITY ENGINEER		

DATE: 3/8/07

SEWER IMPROVEMENT PLANS  
 FOR  
**PARCEL MAP No. 30485**  
**COLUMBIA AVE.**  
 FROM STA. 10+85.00 TO STA. 17+50.00

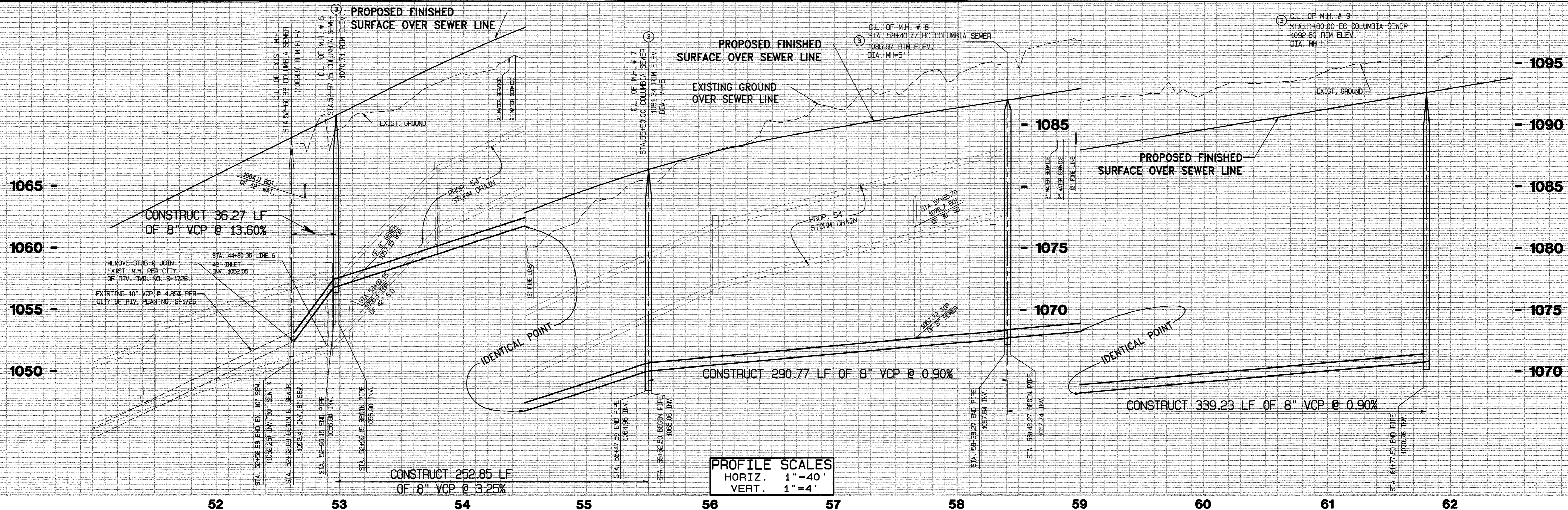
SCALE: HORIZ. 1"=40', VERT. 1"=4'

PW06-0029  
 ACCOUNT NO.  
 DRAWING NUMBER  
**S-1979**  
 SHEET **3** OF **4**  
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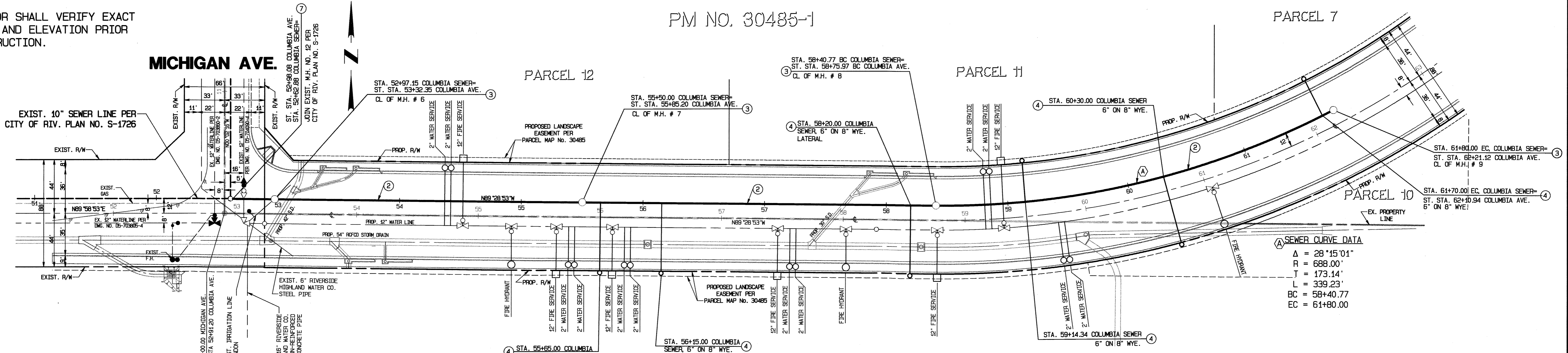
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INDEXED 4-09-07 JH



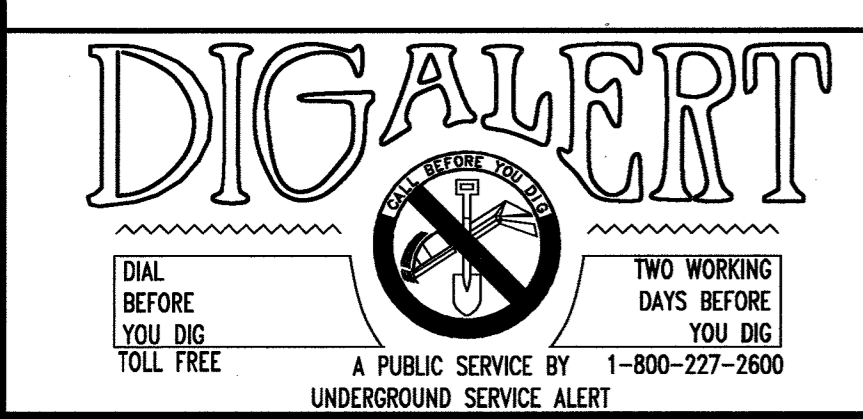
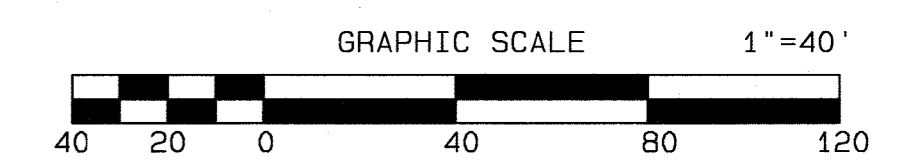


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- CONSTRUCTION NOTES:**
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  - ③ CONSTRUCT MANHOLE PER CITY OF RIVERSIDE STANDARD DRAWING NO. 500.
  - ④ INSTALL 6" VCP SEWER LATERAL WITH PROPERTY LINE CLEAN OUT PER CITY OF RIVERSIDE STANDARD DRAWING NO. 562A.
  - ⑦ REMOVE EXISTING SEWER STUB & JOIN MANHOLE.

# COLUMBIA AVENUE



**CITY OF RIVERSIDE OVERHEAD & UNDERGROUND**

APPROVED BY: \_\_\_\_\_ DATE \_\_\_\_\_

**PACIFIC BELL**

APPROVED BY: \_\_\_\_\_ DATE \_\_\_\_\_

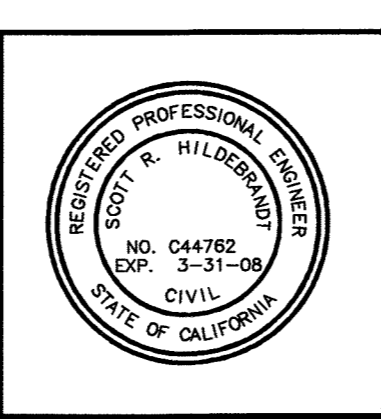
**BENCH MARK: "JB-D3"**

LEAD AND TACK IN THE TOP OF CURB, 3.5 FEET NORTH OF THE B.C.R. OF THE NORTHWEST CURB RETURN AT PALMYRITA AVENUE AND IONA AVENUE.

ELEV. = 918.908

**CITY OF RIVERSIDE WATER DEPARTMENT**

APPROVED BY: \_\_\_\_\_ DATE \_\_\_\_\_



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 RIVERSIDE, CA. 92506  
 PH: (951) 686-1070  
 FAX: (951) 788-1256

APPROVED BY: \_\_\_\_\_ DATE \_\_\_\_\_

R.C.E. NO. C44762

W.O. 04-0143 FOR Operating Engineers Trust Funds

MARK	REVISIONS	APPR. DATE

DESIGNED BY: V.S. DRAWN BY: R.J.R. CHECKED BY: SPH

**CITY OF RIVERSIDE, CALIFORNIA PUBLIC WORKS DEPARTMENT**

APPROVED BY: \_\_\_\_\_ DATE \_\_\_\_\_

PRINCIPAL ENGINEER: \_\_\_\_\_

CITY ENGINEER: \_\_\_\_\_

DATE: 3/8/09

**SEWER IMPROVEMENT PLANS FOR PARCEL MAP No. 30485 COLUMBIA AVE. FROM MICHIGAN AVE. TO STA. 61+80.00**

SCALE: HORIZ. 1"=40', VERT. 1"=4'

**PW06-0029**

ACCOUNT NO. \_\_\_\_\_

DRAWING NUMBER **S-1979**

SHEET **4** OF **4**

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