RIVERSIDE CALIFORNIA

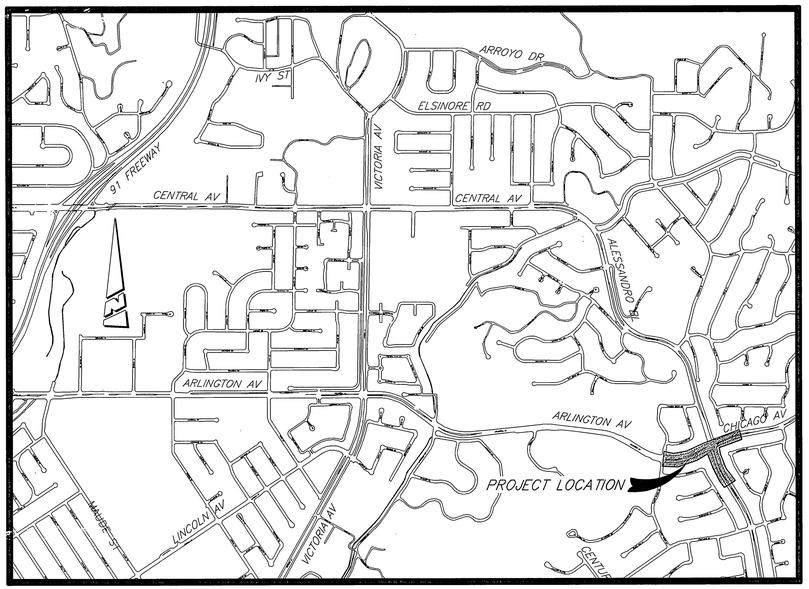
PUBLIC WORKS DEPARTMENT

ALESSANDRO BLVD. AND CHICAGO AVE.

INTERSECTION IMPROVEMENTS

SPECIFIC 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.
- C / ST — CONSTRUCT A STRUCTURAL SECTION OF 0.50' AC (0.35' DGAC TOPPED W/0.15' ARHM-GG) OVER 0.67' CAB.
- PIP — PROTECT IN PLACE.
- OL — OVERLAY EXISTING PAVEMENT WITH VARIABLE THICKNESS ARHM-GG RUBBERIZED ASPHALT CONCRETE OVERLAY (0.15' MIN). GRIND EXIST. PAVEMENT 0.15' MIN. BEFORE OVERLAY. AREAS DESIGNATED AS G2, SHALL HAVE A MIN. OVERLAY OF 0.33', CONSISTING OF 0.18' OF DGAC OVERLAY TOPPED W/0.15' OF ARHM-GG RUBBERIZED ASPHALT CONCRETE OVERLAY.
- G2 — GRIND EXISTING A.C. PAVEMENT - DEPTH = 0.33'.
- ADJ — ADJUST MANHOLE FRAME AND COVER TO GRADE.
- AV — AIR VALVE TO BE RELOCATED BY THE P.U. WATER DIVISION PRIOR TO CONSTRUCTION. REFER TO PLAN D5-704232.
- FH — FIRE HYDRANT TO BE RELOCATED BY THE P.U. WATER DIVISION PRIOR TO CONSTRUCTION. REFER TO PLAN D5-704232.
- GV — ADJUST GATE VALVE COVER TO GRADE
- WM — WATER METER TO BE RELOCATED BY THE P.U. WATER DIVISION PRIOR TO CONSTRUCTION. REFER TO PLANS D5-704232.
- REL — RELOCATE EXISTING STREET TREE PER LANDSCAPING AND IRRIGATION PLANS.
- IRR — RELOCATE AND/OR INTALL IRRIGATION FACILITIES PER LANDSCAPING AND AND IRRIGATION PLANS.
- R / T — REMOVE EXISTING TREE. CLASS I - 6" TO 18", CLASS II - 18" TO 36", CLASS III - OVER 36".
- T / T — TRANSPLANT EXISTING TREE. CLASS I - 6" TO 18", CLASS II - 18" TO 36", CLASS III - OVER 36". REFER TO LANDSCAPING AND IRRIGATION PLANS.
- G — REMOVE EXISTING GAS LINE (ABANDONED)
- TEL — TELEPHONE FACILITIES ARE TO BE RELOCATED PRIOR TO CONSTRUCTION BY SBC.
- E / C — INSTALL 1"C - 3#l 8's PER RIVERSIDE PUBLIC UTILITIES STD. UGS-100.
- E / 320 — INSTALL ESB-3 1/2 PULL BOX IN EXISTING CONDUIT RUN. PULL BOX SHALL BE PER RIVERSIDE PUBLIC UTILITIES STD UGS-320.
- E / SC — SPLICE NEW TO EXISTING CONDUCTORS.
- REL / SL — RELOCATE EXISTING STREET LIGHT PER RIVERSIDE PUBLIC UTILITIES STD. UGS-801.
- E — POWER POLE TO BE RELOCATED BY THE P.U. ELECTRIC DIVISION PRIOR TO CONSTRUCTION.
- 5 — CONST. STRAIGHT SPLIT-FACE BLOCK WALL PER DETAIL SHOWN ON SHT. 7, 8 AND 9.
- 6 — REMOVE EXISTING CATCH BASIN AND PLUG AND ABANDON STORM DRAIN.



PROJECT LOCATION MAP

0 KM. 0.5 KM. 1 KM 1.5 KM.
0' 500' 1000' 2000' 3000' 4000' 5000' 6000'

SCALE: 1" = 1,000'

EXISTING UNDERGROUND AND TOPOGRAPHY LEGEND

EXISTING UNDERGROUND UTILITIES:

- SANITARY SEWER — 8"S
- WATER LINE — 6"W
- STORM DRAIN — 24"SD
- GAS LINE — 3"G
- ABANDONED UTILITY — 6"G(ABAN'D.)
- TELEPHONE CONDUIT — T
- ELECTRICAL CONDUIT — E
- ELECTROLIER LIGHTING CONDUIT — ELC
- TRAFFIC SIGNAL — SIG
- FIRE ALARM — F

EXISTING TOPOGRAPHY:

- BLOCK WALL
- BOARD FENCE
- WIRE FENCE
- CHAIN LINK FENCE
- TOP OF SLOPE
- TOE OF SLOPE
- DIRECTION OF FLOW
- S — SANITARY SEWER M.H.
- S.O. — SANITARY SEWER CLEANOUT
- D — STORM DRAIN M.H.
- I — IRRIGATION WEIR
- W — WATER M.H.
- G — GAS M.H.
- E — ELECTRIC M.H.
- T — TELEPHONE M.H.
- WATER METER
- FIRE HYDRANT
- SPRINKLER HEAD
- VALVE
- AIR VALVE
- AIR VENT
- BUS STOP SIGN
- B.O. — BLOW-OFF VALVE
- SP — IRRIGATION STAND PIPE
- CONCRETE
- ASPHALT
- BUILDING
- EDGE OF PAVEMENT
- POLE & GUY ANCHOR
- PP — POWER POLE
- T — TELEPHONE POLE
- T — TELEPHONE RISER
- J — JOINT USE POLE
- PULL BOX
- TRAFFIC SIGN
- PARKING METER
- F — FIRE ALARM BOX
- STREET NAME SIGN
- G — GAS METER
- MAIL BOX
- FAUCET
- WALK-DON'T WALK PEDESTRIAN SIGNAL
- ETS — ELECTROLYSIS TEST STATION
- WHEEL STOP
- A.C. BERM
- PPB — PEDESTRIAN PUSH BUTTON
- RAILROAD TRACKS
- RAILROAD SIGN
- RAILROAD SIGNAL
- TRAFFIC SIGNAL
- TRAFFIC SIGNAL ON MAST ARM
- TRAFFIC SIGNAL CONTROLLER
- TRAFFIC SIGNAL PRESENCE DETECTOR
- TRAFFIC SIGNAL LOOP DETECTOR
- STREET LIGHT & TRAFFIC SIGNAL ON MAST ARM
- STREET LIGHT (UPRIGHT)
- STREET LIGHT ON MAST ARM
- STEEL POST
- WOOD POST

GENERAL CONSTRUCTION NOTES

1. CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF RIVERSIDE STANDARD DRAWINGS AND STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, CURRENT EDITION.
2. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO LOCATE AND PROTECT ALL UTILITIES WHETHER OR NOT THEY ARE SHOWN ON THIS PLAN. IF THE COVER OF A UTILITY IS KNOWN, IT IS SHOWN ON THE PROFILE. UTILITIES SHOWN IN THE PROFILE AS ——?—— INDICATES THE COVER IS UNKNOWN, BUT THE UTILITY IS NOT EXPECTED TO CONFLICT WIHT THE PROPOSED IMPROVEMENTS.
3. ALL ELEVATIONS SHOWN ON THE PLANS SHALL BE STAKED IN THE FIELD, EXCEPT FOR ELEVATIONS SHOWN IN PARENTHESIS WHICH DENOTE EXISTING GRADES.
4. CONFLICTING UTILITIES SHOWN WITHIN CONSTRUCTION AREA WILL BE RELOCATED PRIOR TO CONSTRUCTION.
5. TEMPORARY CONSTRUCTION EASEMENTS HAVE BEEN OBTAINED FOR WORK SHOWN OUTSIDE OF CITY RIGHT OF WAY.
6. FOR TEMPORARY EXCAVATION RECOMMENDATIONS FOR CONSTRUCTION OF RETAINING WALLS, SEE SPECIFICATIONS FOR "LIMITED SUBSURFACE INVESTIGATION" REPORT, BY CHJ INC., DATED 12/29/03.
7. WHERE NEW PAVEMENT IS TO JOIN THE EXISTING PAVEMENT, THE EDGE OF THE EXISTING PAVEMENT SHALL BE TRIMMED IN A SMOOTH AND STRAIGHT LINE. CONSTRUCT MATCH-UP PAVING AS SHOWN ON THE PLANS AND OVERLAY PAVING AS DIRECTED IN THE FIELD TO PRODUCE A SMOOTH SECTION.
8. THE CONTRACTOR SHALL CALL IN A LOCATION REQUEST TO UNDERGROUND SERVICE ALERT (USA), PHONE # 800-227-2600, TWO WORKING DAYS BEFORE STARTING CONSTRUCTION. NO CONSTRUCTION PERMIT WILL BE ISSUED BY THE PUBLIC WORKS DEPARTMENT UNLESS THE CONTRACTOR HAS BEEN PROVIDED AN INQUIRY IDENTIFICATION NUMBER BY USA.
9. IN PAVEMENT OVERLAY AREAS, ANY DISTRESSED EXISTING PAVEMENT SHALL BE REMOVED AND REPLACED, AS DIRECTED BY THE ENGINEER, PRIOR TO OVERLAYING WITH A.C. PAVING.

SHEET INDEX

STREET CONSTRUCTION PLANS	R-3793 SHEETS 1-6
RETAINING WALL PLANS	R-3793 SHEETS 7-9
LANDSCAPE PLANS	R-3793L SHEETS 1-9
TRAFFIC SIGNAL PLAN	X-412A
STRIPING PLAN	XL-493

BENCHMARK: G7-C
P.K. NAIL IN SOUTHEASTERLY CURB RETURN AT ALESSANDRO BOULDEWARD AND CHICAGO AVENUE
ELEV. - 1136.542

IMPORTANT NOTICE
Section 4216/4217 of the Government Code requires a Dig Alert Identification Number to be issued before a "Permit to Excavate" will be valid. For your Dig Alert I.D. Number call
CALL TOLL FREE
48 HOURS BEFORE YOU DIG
UNDERGROUND SERVICE ALERT
1-800-227-2600

ENGINEER IN RESPONSIBLE CHARGE
Farshid A. Mohammadi
FARSHID A. MOHAMMADI
R.C.E. NO. 51304 EXPIRES 6/30/2006
DATE 4/7/06

REGISTERED PROFESSIONAL ENGINEER — FARSHID A. MOHAMMADI — No. 51304 Exp. 6-30-2006 — CIVIL — STATE OF CALIFORNIA

MARK	REVISIONS	APPR.	DATE

DESIGNED BY ABE DRAWN BY ABB/LEE CHECKED BY

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE
PRINCIPAL ENGINEER	DH	4/18/06
CONST. CONTRACT ADMIN.	RE	4/18/06
STREET SERVICES	JTD	4/20/06
SURVEYOR	CS	4/14/06
TRAFFIC DIVISION	SL	4/18/06
PARKS DEPARTMENT		

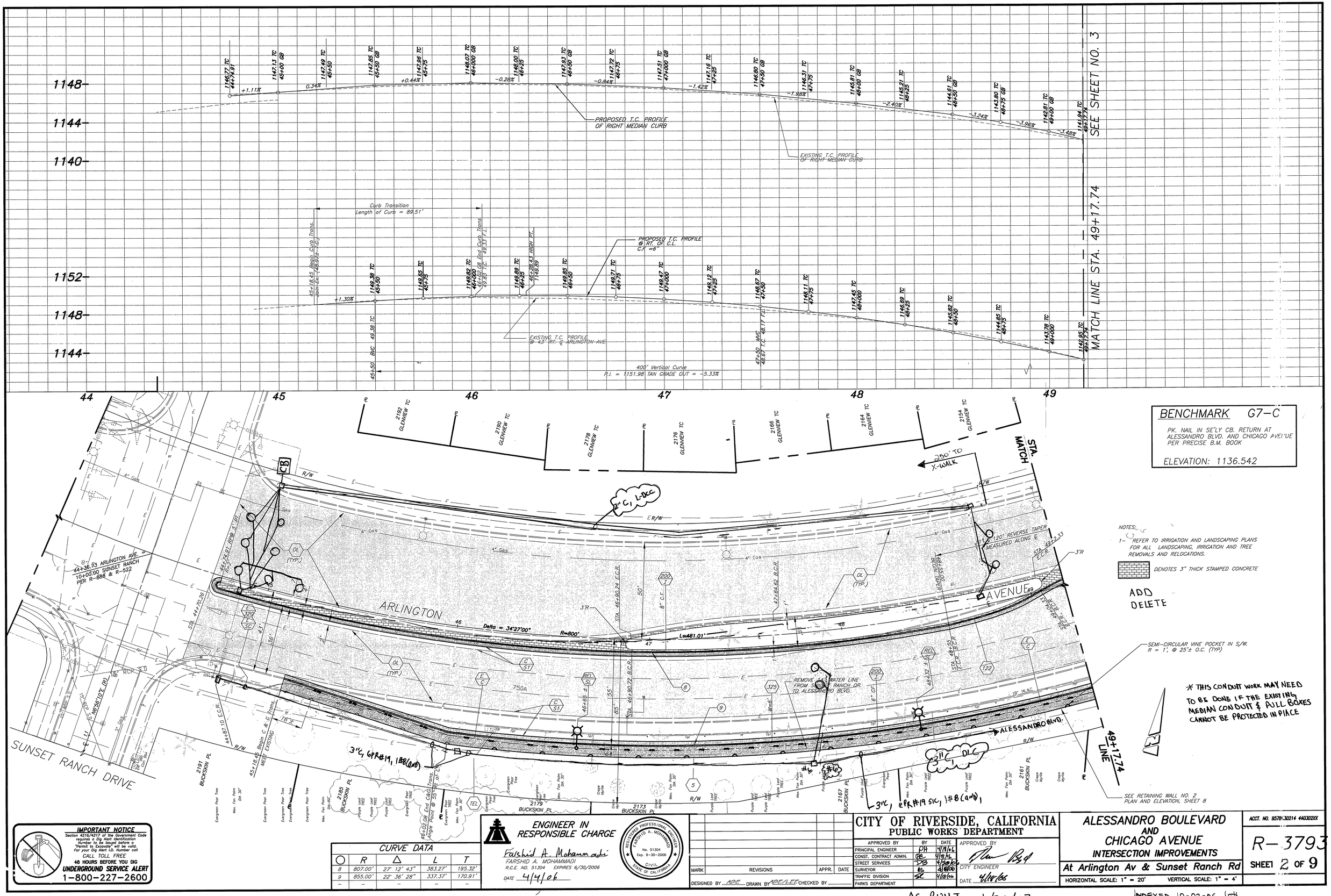
APPROVED BY
CITY ENGINEER
DATE 4/18/06

ALESSANDRO BOULEVARD AND CHICAGO AVENUE INTERSECTION IMPROVEMENTS

ACCT. NO.: 9578.13171-440302xxi
R-3793
SHEET 1 OF 9

AS-BUILT 1/31/07

INDEXED 10-02-06 JH



CURVE DATA				
○	R	Δ	L	T
8	807.00'	27° 12' 43"	383.27'	195.32'
9	855.00'	22° 36' 28"	337.37'	170.91'
–	–	–	–	–

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1-800-227-2600

ENGINEER IN RESPONSIBLE CHARGE
Farshid A. Mohammadi
FARSHID A. MOHAMMADI
R.C.E. NO. 51304 EXPIRES 6/30/2006
DATE 4/4/06

REGISTERED PROFESSIONAL ENGINEER FARSHID A. MOHAMMADI No. 51304 Exp. 6-30-2006 CIVIL STATE OF CALIFORNIA

MARK	REVISIONS	APPR.	DATE

DESIGNED BY ADP DRAWN BY ADP/LEF CHECKED BY

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE
PRINCIPAL ENGINEER	DH	4/17/06
CONST. CONTRACT ADMIN.	DE	4/18/06
STREET SERVICES	DB	4/20/06
SURVEYOR	BS	4/18/06
TRAFFIC DIVISION	SE	4/18/06
PARKS DEPARTMENT		

APPROVED BY
CITY ENGINEER
DATE 4/18/06

ALESSANDRO BOULEVARD AND CHICAGO AVENUE INTERSECTION IMPROVEMENTS

At Arlington Av & Sunset Ranch Rd

HORIZONTAL SCALE: 1" = 20' VERTICAL SCALE: 1" = 4'

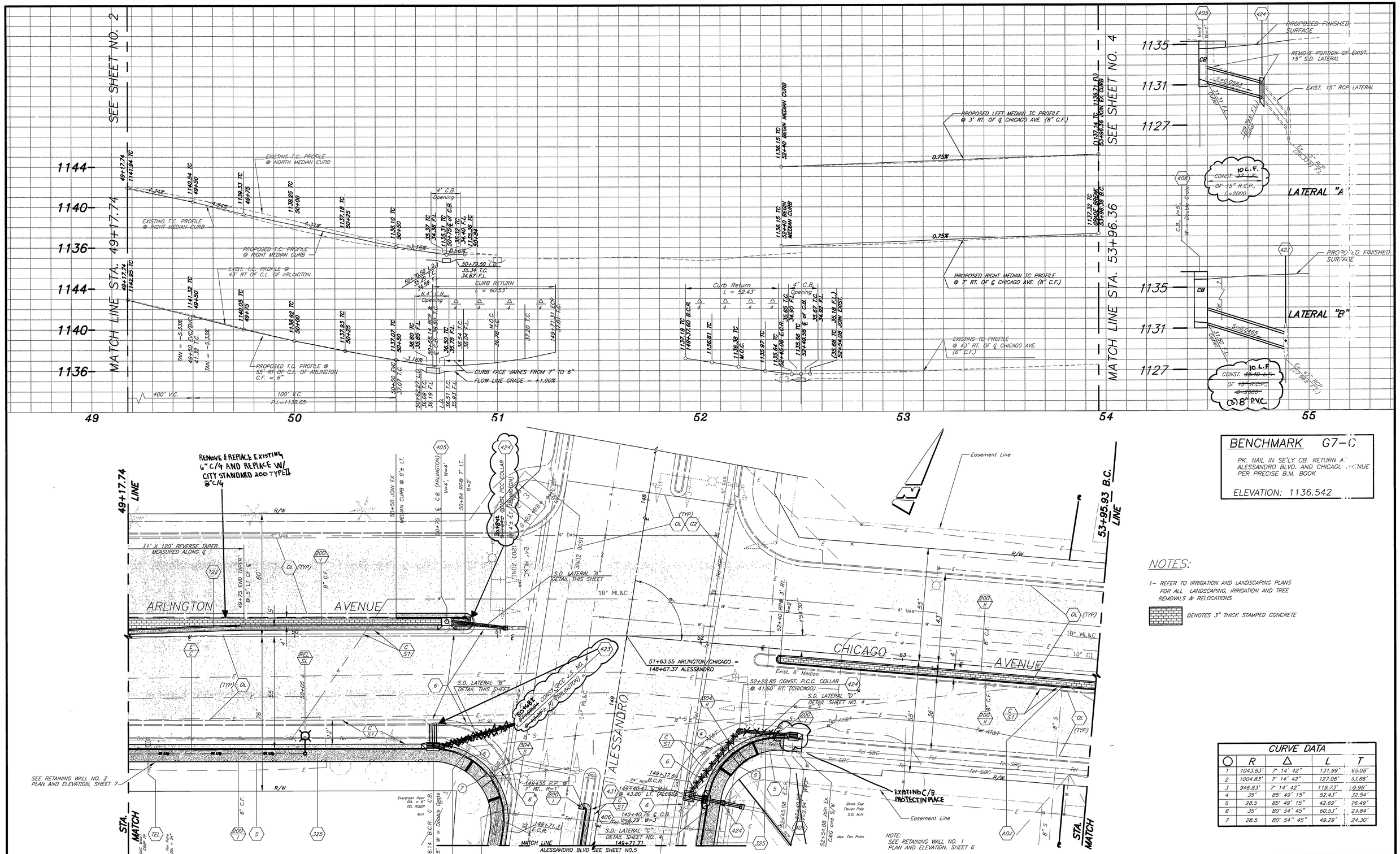
ACCT. NO. 9578:30214 44302XX

R-3793

SHEET 2 OF 9

AS-BUILT 1/31/07

INDEXED 10-02-06



BENCHMARK G7-C

PK. NAIL IN SE'LY CB. RETURN AT ALESSANDRO BLVD. AND CHICAGO AVENUE PER PRECISE B.M. BOOK

ELEVATION: 1136.542

NOTES:

1- REFER TO IRRIGATION AND LANDSCAPING PLANS FOR ALL LANDSCAPING, IRRIGATION AND TREE REMOVALS & RELOCATIONS

DENOTES 3" THICK STAMPED CONCRETE

CURVE DATA				
○	R	Δ	L	T
1	1043.83'	7° 14' 42"	131.99'	66.08'
2	1004.83'	7° 14' 42"	127.06'	63.66'
3	946.83'	7° 14' 42"	119.73'	59.98'
4	35'	85° 49' 15"	52.43'	32.54'
5	28.5	85° 49' 15"	42.69'	26.49'
6	35'	80° 54' 45"	60.53'	23.84'
7	28.5	80° 54' 45"	49.29'	24.30'

IMPORTANT NOTICE
Section 4216/4217 of the Government Code requires a Dig Alert Identification Number 2 days before you dig. "Permits to Excavate" will be void. For your Dig Alert I.D. Number call
CALL TOLL FREE
48 HOURS BEFORE YOU DIG
UNDERGROUND SERVICE ALERT
1-800-227-2600

ENGINEER IN RESPONSIBLE CHARGE
Farshid A. Mohammadi
FARSHID A. MOHAMMADI
R.C.E. NO. 51304 EXPIRES 6/30/2006
DATE 4/4/06

REGISTERED PROFESSIONAL ENGINEER FARSHID A. MOHAMMADI No. 51304 Exp. 6-30-2006 CIVIL STATE OF CALIFORNIA

MARK	REVISIONS	APPR.	DATE

DESIGNED BY ADE DRAWN BY ADE/LEE CHECKED BY

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE
PRINCIPAL ENGINEER	FM	4/18/06
CONST. CONTRACT ADMIN.	DL	4/18/06
STREET SERVICES	DB	4/18/06
SURVEYOR	DS	4/18/06
TRAFFIC DIVISION	RL	4/18/06
PARKS DEPARTMENT		

APPROVED BY
CITY ENGINEER
DATE 4/18/06

ALESSANDRO BOULEVARD AND CHICAGO AVENUE INTERSECTION IMPROVEMENTS At Arlington/Chicago Ave.

HORIZONTAL SCALE: 1" = 20' VERTICAL SCALE: 1" = 4'

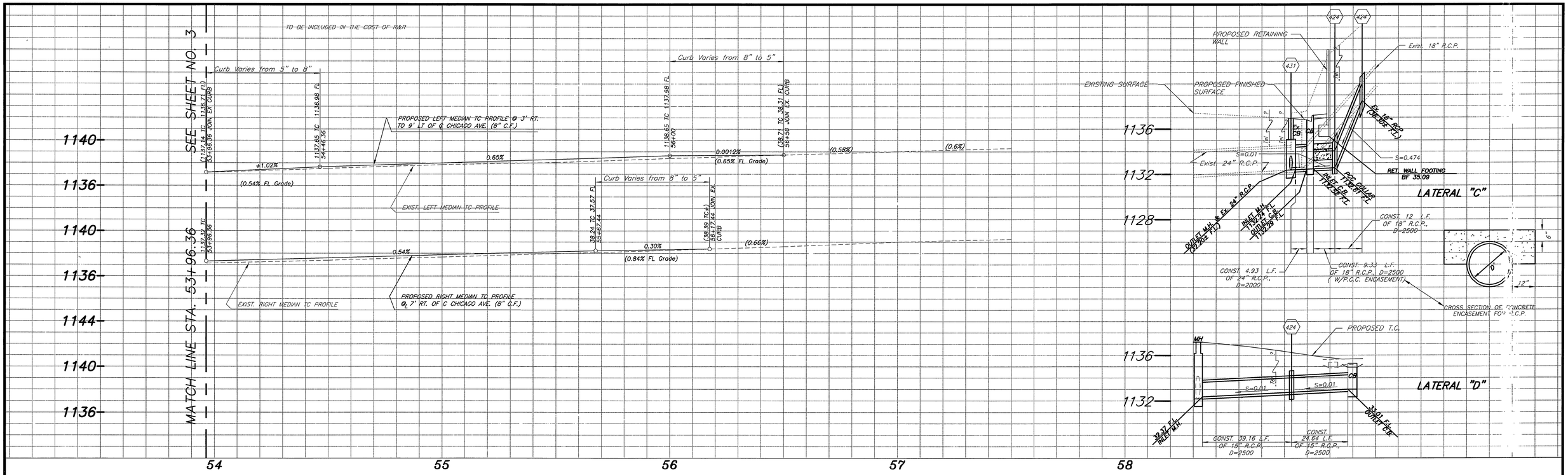
ACCT. NO. 951.330214 44030200

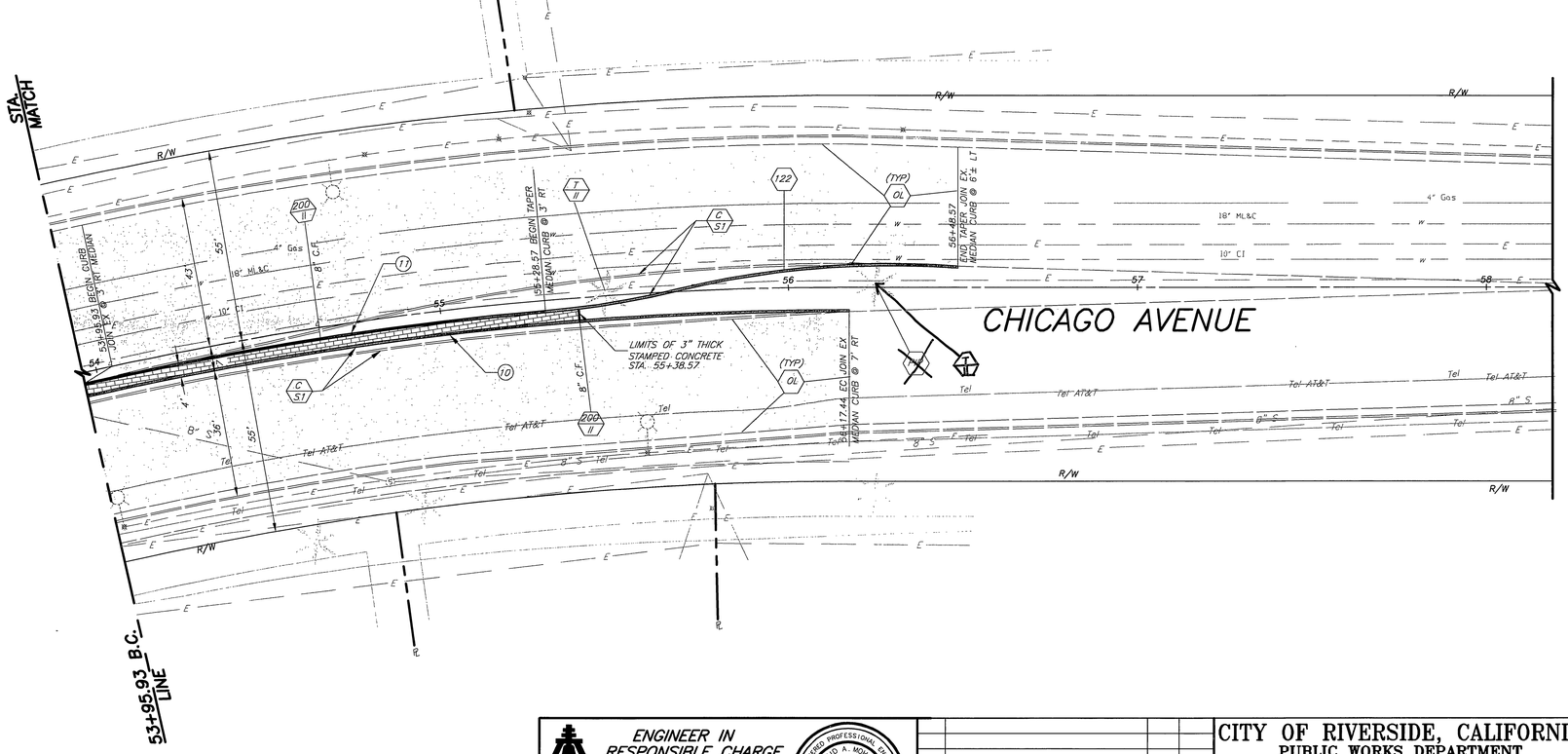
R--3793

SHEET 3 OF 9

AS-BUILT 1/31/11

INDEXED 10-02-06 GH





BENCHMARK G7-C

PK. NAIL IN SE'LY CB. RETURN AT ALESSANDRO BLVD. AND CHICAGO AVENUE PER PRECISE B.M. BOOK

ELEVATION: 1136.542

NOTES:

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DENOTES 3" THICK STAMPED CONCRETE

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UNDERGROUND SERVICE ALERT
1-800-227-2600

CURVE DATA

○	R	△	L	T
10	993'	12° 41' 30"	219.96'	110.43'
11	997'	7° 40' 55"	133.68'	66.94'
–	–	–	–	–

ENGINEER IN RESPONSIBLE CHARGE
Farshid A. Mohammadi
FARSHID A. MOHAMMADI
R.C.E. NO. 51304 EXPIRES 6/30/2006
DATE 4/4/06

REGISTERED PROFESSIONAL ENGINEER FARSHID A. MOHAMMADI No. 51304 Exp. 6-30-2006 CIVIL STATE OF CALIFORNIA

MARK	REVISIONS	APPR.	DATE

DESIGNED BY ADE DRAWN BY ADE/LEE CHECKED BY

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE
PRINCIPAL ENGINEER	DH	4/18/06
CONST. CONTRACT ADMIN.	DE	4/18/06
STREET SERVICES	DTG	4/18/06
SURVEYOR	RS	4/18/06
TRAFFIC DIVISION	SL	4/18/06
PARKS DEPARTMENT		

APPROVED BY
CITY ENGINEER
DATE 4/18/06

ALESSANDRO BOULEVARD AND CHICAGO AVENUE INTERSECTION IMPROVEMENTS

At Arlington/Chicago Ave.

HORIZONTAL SCALE: 1" = 20' VERTICAL SCALE: 1" = 4'

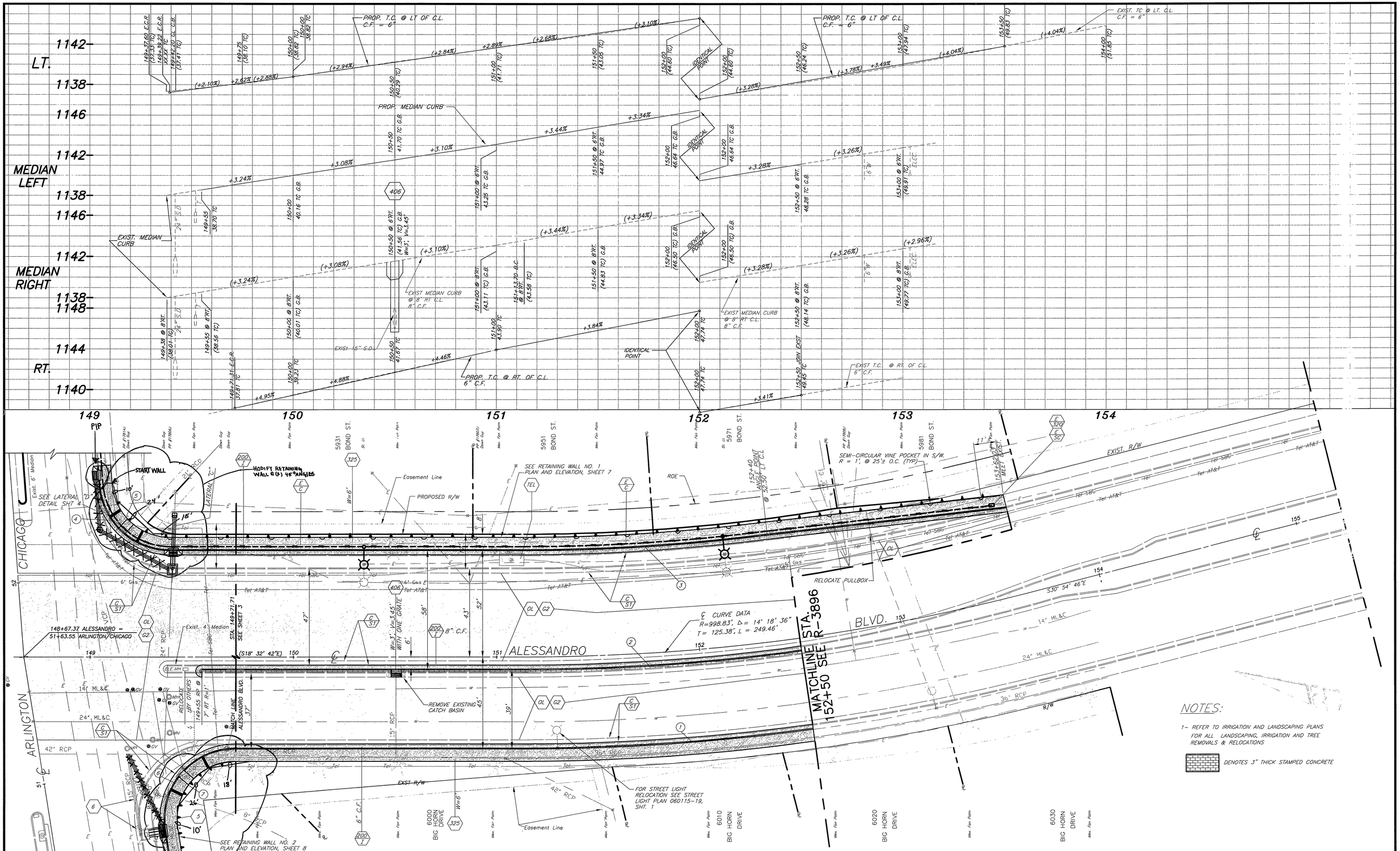
ACCT. NO. 9[illegible]330214 4403020X

R-3793

SHEET 1 OF 9

AS-BUILT 1/31/11

INDEXED 10-02-06 GH



CURVE DATA					
○	R	△	L	T
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4	35'	85° 35' 04"	52.28'	32.40'
5	28.5'	85° 35' 04"	42.57'	26.38'
6	35'	99° 05' 15"	60.53'	41.04'
7	28.5'	99° 05' 15"	42.29'	33.42'

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ENGINEER IN RESPONSIBLE CHARGE
Farshid A. Mohammadi
FARSHID A. MOHAMMADI
R.C.E. NO. 51304 EXPIRES 6/30/2006
DATE 4/4/06

REGISTERED PROFESSIONAL ENGINEER FARSHID A. MOHAMMADI No. 51304 Exp. 6-30-2006 CIVIL STATE OF CALIFORNIA

MARK	REVISIONS	APPR.	DATE

DESIGNED BY RGD/ABE DRAWN BY RGD/SHH CHECKED BY

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE
PRINCIPAL ENGINEER	RH	4/18/06
CONST. CONTRACT ADMIN.	RH	4/18/06
STREET SERVICES	DB	4/26/06
SURVEYOR	CS	4/18/06
TRAFFIC DIVISION	SC	4/18/06
PARKS DEPARTMENT		

APPROVED BY
CITY ENGINEER
DATE 4/18/06

ALESSANDRO BOULEVARD AND CHICAGO AVENUE INTERSECTION IMPROVEMENTS
At Arlington/Chicago Ave.

HORIZONTAL SCALE: 1" = 20' VERTICAL SCALE: 1" = 4'

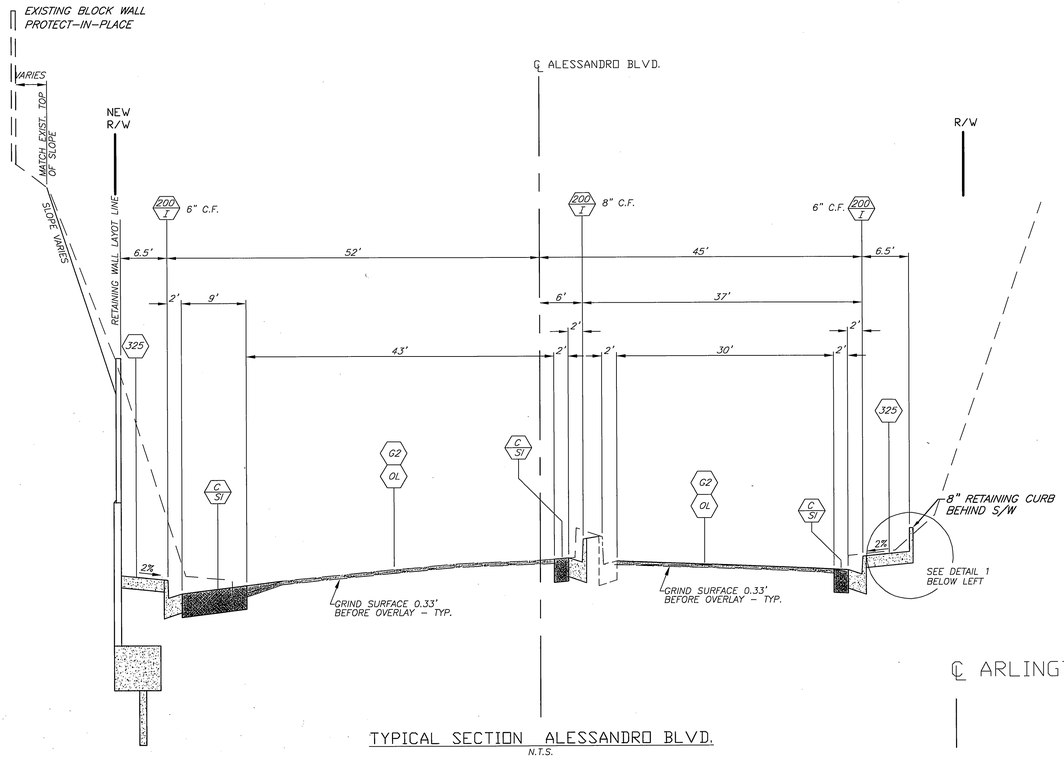
ACCT. NO. 9578930214 44030210

R-3793

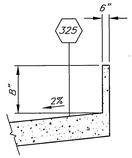
SHEET 5 OF 9

AS-BUILT 1/31/11

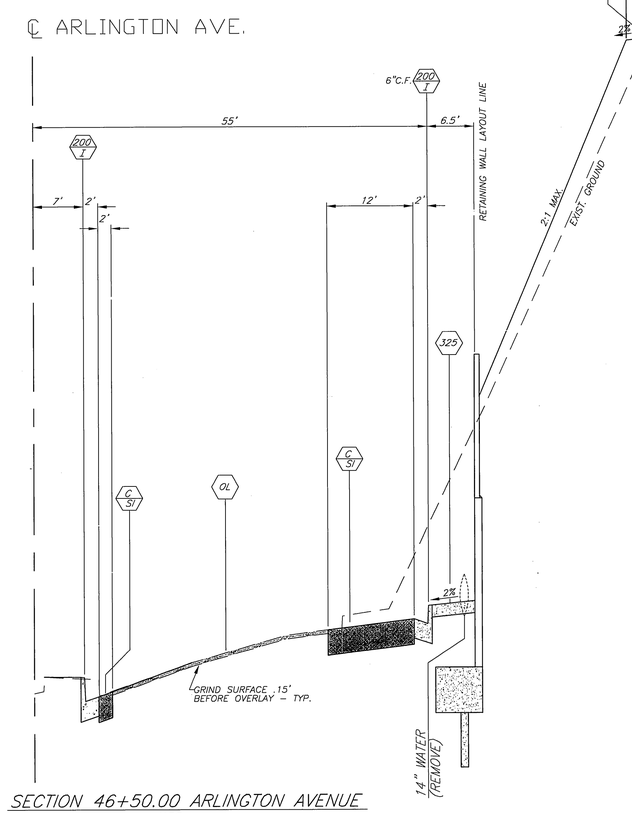
INDEXED 10-02-06 GH



TYPICAL SECTION ALESSANDRO BLVD.
N.T.S.



DETAIL 1
N.T.S.



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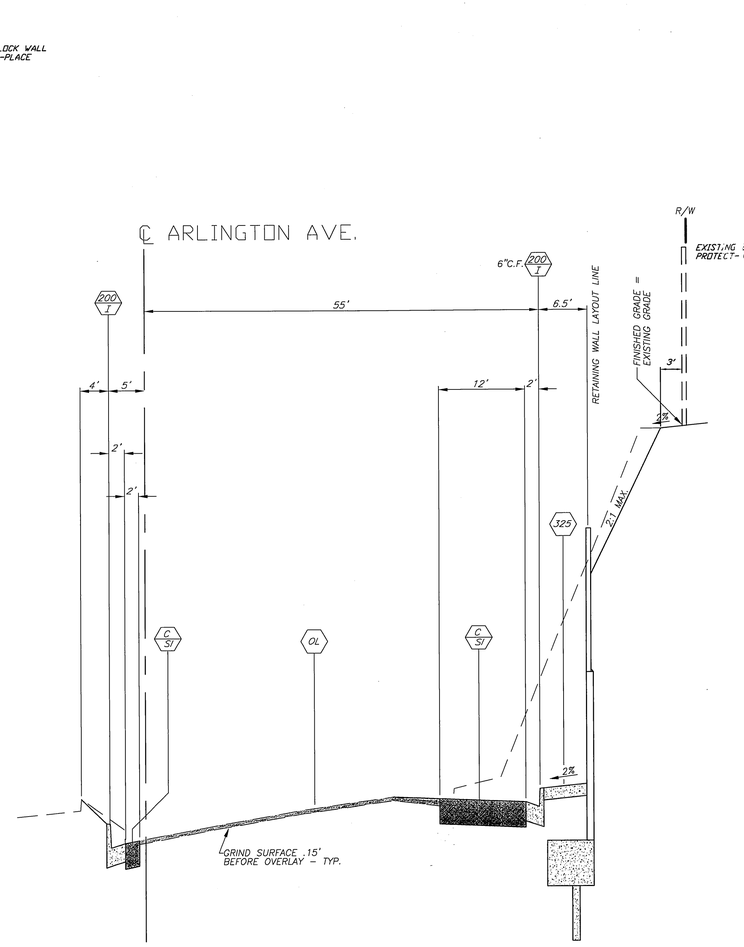
N.T.S.



SECTION 50+00.00 ARLINGTON AVENUE
N.T.S.

ENGINEER IN RESPONSIBLE CHARGE
Farshid A. Mohammadi
FARSHID A. MOHAMMADI
R.C.E. No. 51304 expires 6/30/06
DATE 4/4/06

REGISTERED PROFESSIONAL ENGINEER
FARSHID A. MOHAMMADI
No. 51304
Exp 6/30/06
CIVIL
STATE OF CALIFORNIA

MARK	REVISIONS	APPR.	DATE

DESIGNED BY RCD DRAWN BY RCD CHECKED BY

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE
PRINCIPAL ENGINEER	RH	4/18/06
CONST. CONTRACT ADMIN.	DC	4/18/06
STREET SERVICES	DB	4/20/06
SURVEYOR	GS	4/18/06
TRAFFIC DIVISION	GL	4/18/06
PARKS DEPARTMENT		

APPROVED BY
CITY ENGINEER
DATE 4/18/06

ALESSANDRO BOULEVARD AND CHICAGO AVENUE INTERSECTION IMPROVEMENTS

At Arlington/Chicago Ave.

HORIZONTAL SCALE: VERTICAL SCALE:

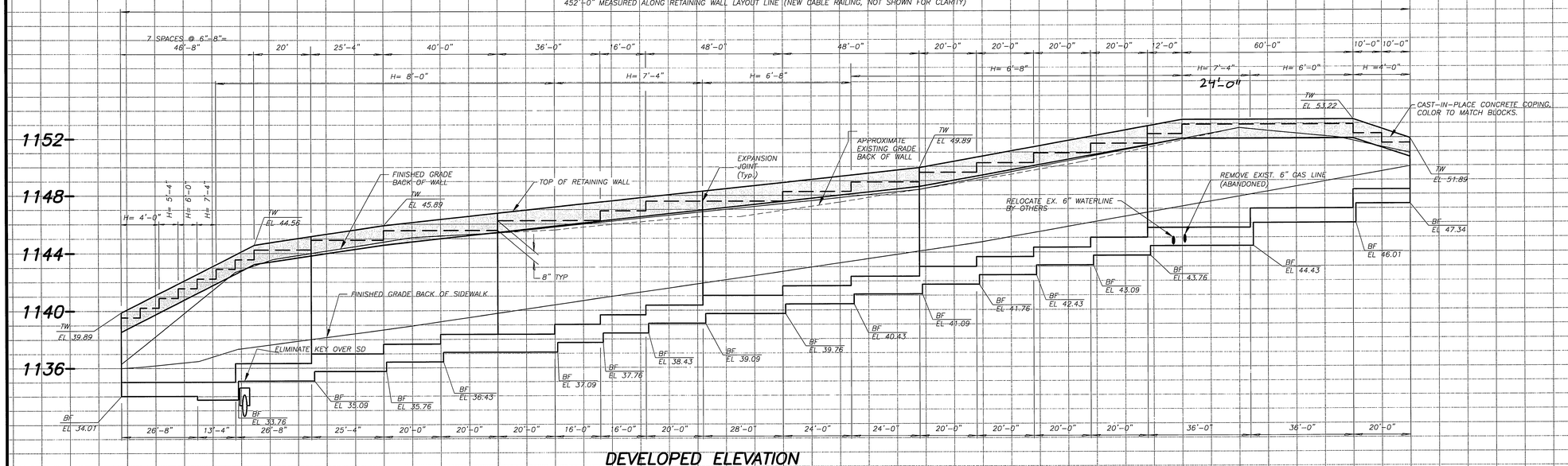
ACCT. NO. 9578[illegible]4 44030200

R-3793

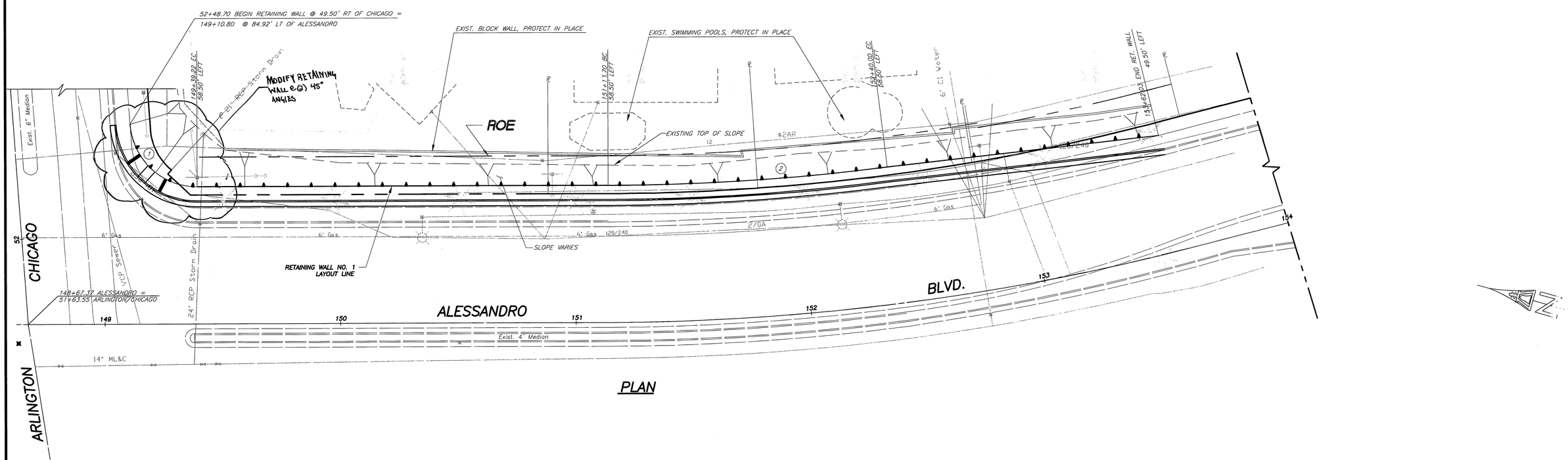
SHEET 6 OF 9

AS BUILT 1/31/11

INDEXED 10-02-06 GH



DEVELOPED ELEVATION



PLAN

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CURVE DATA

	R	Δ	L	T
1	28.50'	85° 49' 15"	42.69'	26.49'
2	940.00'	7° 14' 34"	118.82'	59.49'
3	–	–	–	–

ENGINEER IN RESPONSIBLE CHARGE
Farshid A. Mohammadi
FARSHID A. MOHAMMADI
R.C.E. No. 51304 expires 6/30/06
DATE 4/4/06

REGISTERED PROFESSIONAL ENGINEER FARSHID A. MOHAMMADI No. 51304 Exp 6/30/06 CIVIL STATE OF CALIFORNIA

MARK	REVISIONS	APPR.	DATE

DESIGNED BY FAM DRAWN BY RGD CHECKED BY

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE
PRINCIPAL ENGINEER	DH	4/19/06
CONST. CONTRACT ADMIN.		4/19/06
STREET SERVICES	TJO	4/20/06
SURVEYOR		4/18/06
TRAFFIC DIVISION		4/18/06
PARKS DEPARTMENT		

APPROVED BY
CITY ENGINEER
DATE 4/18/06

ALESSANDRO BOULEVARD AND CHICAGO AVENUE INTERSECTION IMPROVEMENTS
RETAINING WALL NO. 1

HORIZONTAL SCALE: 1" = 20' VERTICAL SCALE: 1" = 4'

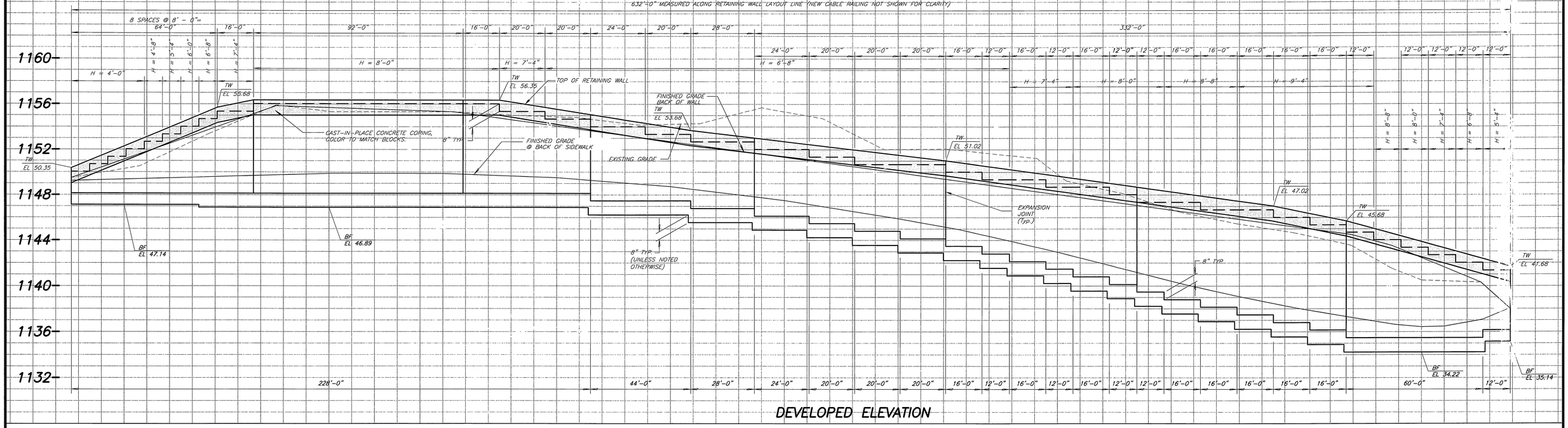
ACCT. NO. 9578930214 4403020X

R-3793

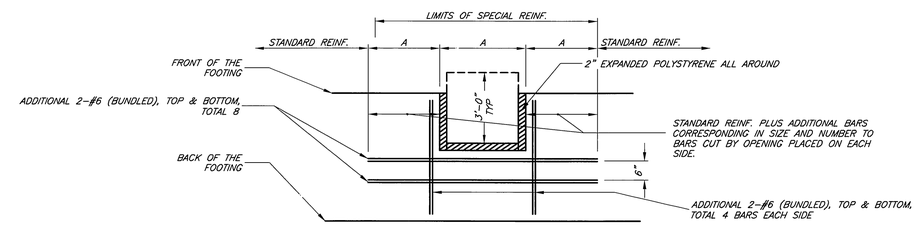
SHEET 7 OF 9

AS BUILT 1/31/11

INDEXED 10-2-06 GH

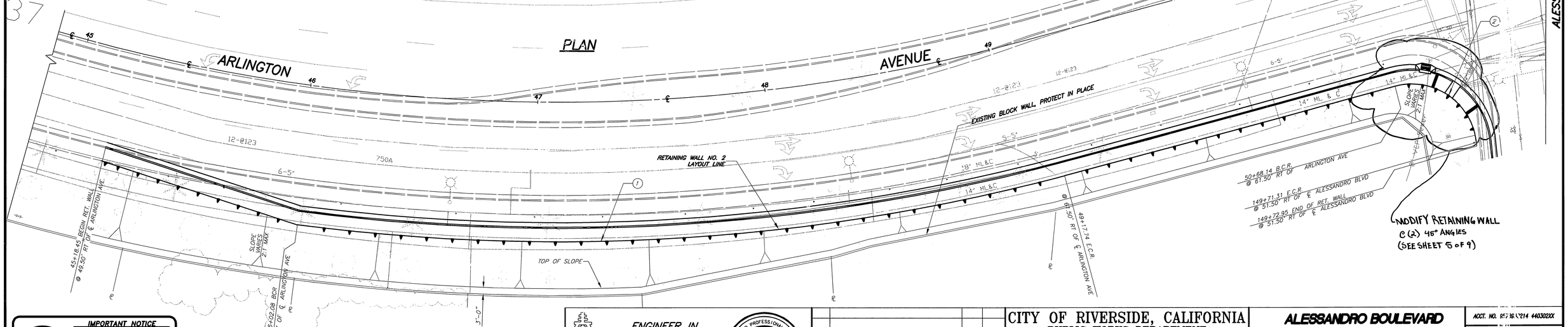


DEVELOPED ELEVATION



RETAINING WALL FOOTING OPENING DETAIL @ STREET LIGHT FOUNDATION

NOT TO SCALE



IMPORTANT NOTICE
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CALL TOLL FREE
48 HOURS BEFORE YOU DIG
UNDERGROUND SERVICE ALERT
1-800-227-2600

CURVE DATA

	R	Δ	L	T
1	861.50'	22° 36' 39"	339.96'	172.22'
2	28.50'	99° 05' 15"	49.29'	33.42'
3	–	–	–	–

ENGINEER IN RESPONSIBLE CHARGE
Farshid A. Mohammadi
FARSHID A. MOHAMMADI
R.C.E. No. 51304 expires 6/30/06
DATE 4/4/06

REGISTERED PROFESSIONAL ENGINEER FARSHID A. MOHAMMADI No. 51304 Exp. 6/30/06 CIVIL STATE OF CALIFORNIA

MARK	REVISIONS	APPR.	DATE

DESIGNED BY FAM DRAWN BY RCB CHECKED BY

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE
PRINCIPAL ENGINEER	DH	4/19/06
CONST. CONTRACT ADMIN.	BE	4/18/06
STREET SERVICES	TPB	4/20/06
SURVEYOR	DSL	4/18/06
TRAFFIC DIVISION	SL	4/18/06
PARKS DEPARTMENT		

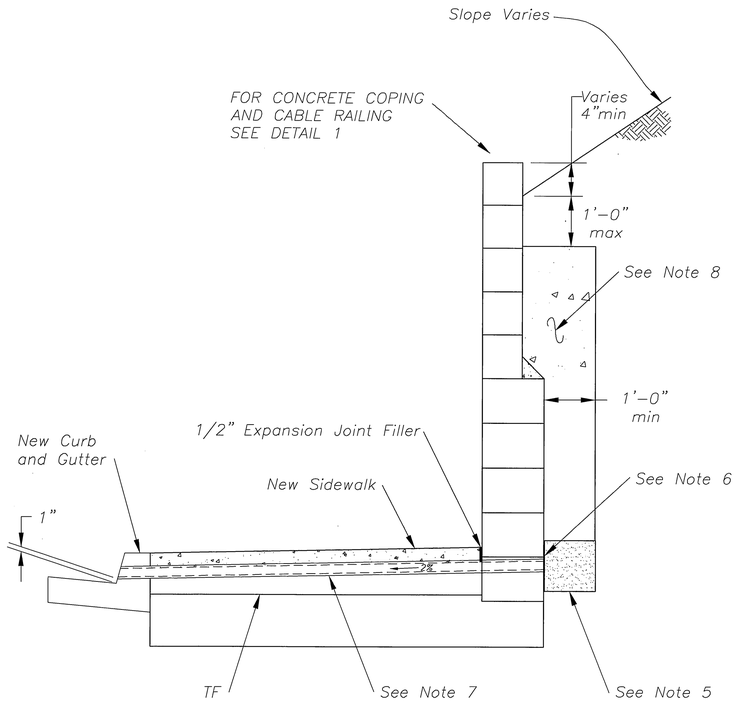
APPROVED BY
CITY ENGINEER
DATE 4/18/06

ALESSANDRO BOULEVARD AND CHICAGO AVENUE INTERSECTION IMPROVEMENTS
RETAINING WALL NO. 2
HORIZONTAL SCALE: 1" = 20' VERTICAL SCALE: 1" = 4'

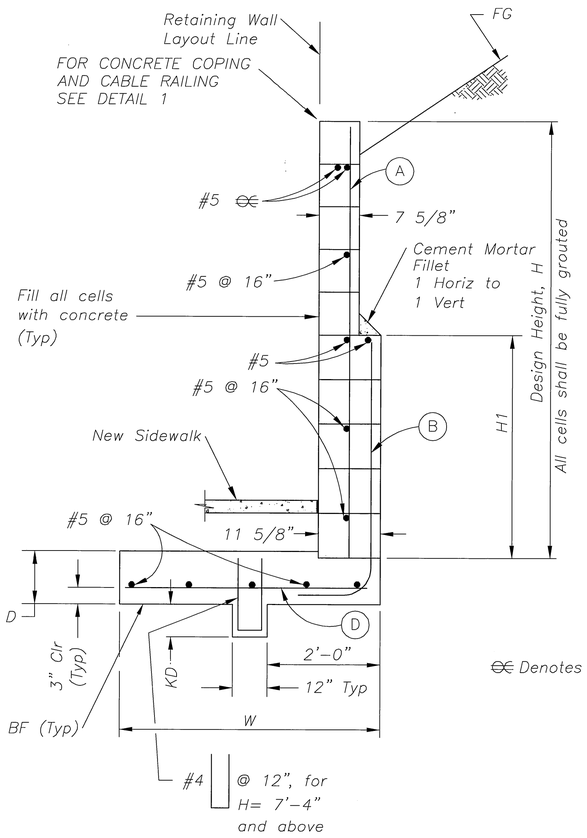
ACCT. NO. 947.16.4214.44030201
R-3793
SHEET 8 OF 9

AS BUILT 1/31/11

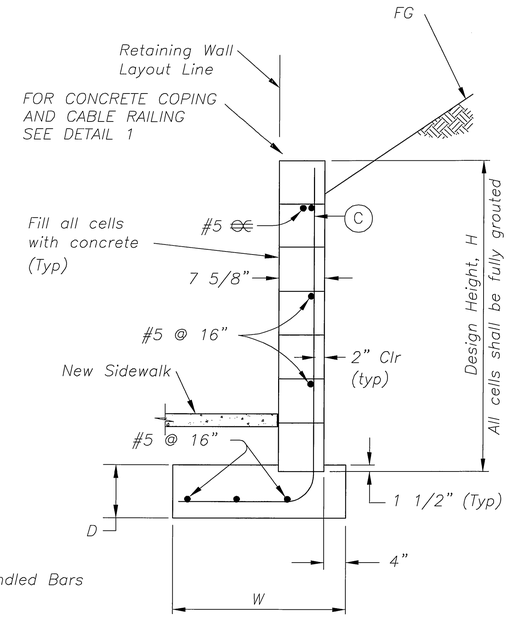
INDEXED 10-02-06 "H"



TYPICAL WALL DRAINAGE DETAIL (H=4'-0" TO 9'-4")
Not to Scale

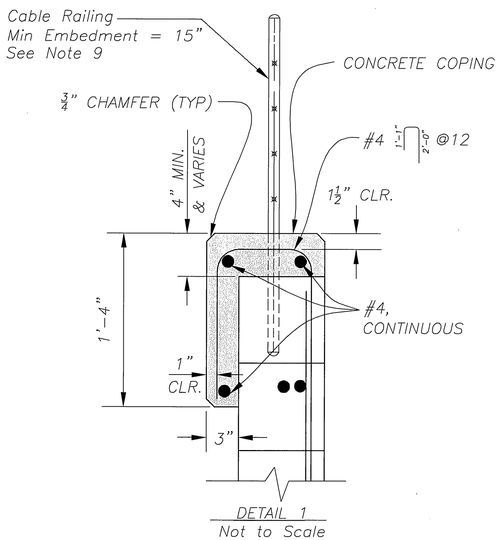


TYPICAL SECTION FOR DESIGN H FROM 5'-4" TO 9'-4" MAX
Not to Scale



℄ Denotes Bundled Bars

TYPICAL SECTION FOR DESIGN H UP TO 4'-8" MAX
Not to Scale



DETAIL 1
Not to Scale

Design H	4'-0"	4'-8"	5'-4"	6'-0"	6'-8"	7'-4"	8'-0"	8'-8"	9'-4"
W	3'-0"	4'-0"	4'-0"	4'-6"	5'-0"	5'-6"	6'-0"	6'-6"	7'-0"
D	1'-0"	1'-0"	1'-0"	1'-0"	1'-3"	1'-3"	1'-3"	1'-3"	1'-3"
H1	–	–	2'-8"	2'-8"	2'-8"	3'-4"	4'-0"	4'-8"	5'-4"
KD	–	–	6"	6"	9"	1'-0"	1'-3"	1'-6"	1'-9"
(A)	–	–	#4@16"	#4@16"	#4@16"	#4@16"	#4@16"	#4@16"	#4@16"
(B)	–	–	#4@16"	#5@16"	#5@8"	#5@8"	#5@8"	#5@8"	#6@8"
(C)	#4@16"	#4@16"	–	–	–	–	–	–	–
(D)	–	–	#4@16"	#5@16"	#5@16"	#5@12"	#5@12"	#5@12"	#5@12"

DESIGN CRITERIA:

Masonry: f'm=2,500 psi fs=24,000 psi
Reinforced Concrete: f'c=3,250 psi fs=24,000 psi

NOTES:

1. No splices are allowed on A , B and C bars.
2. Special inspection required for design H=5'-4" to 9'-4".
3. For footing step details see Caltrans Standard Plan B3-11.
4. Wall expansion joints shall be placed as shown. For details see Caltrans Standard Plan B3-11.
5. One cubic foot / lineal foot of 3/4" aggregate in a nonwoven filter fabric, securely tied.
6. 8" square aluminum or galvanized steel wire 1/4" mesh hardware cloth (min. wire diameter 0.0.25") Center over drain hole and anchor firmly to backface.
7. 3" diameter schedule 40 pvc pipe drains @ 15' c/c max.
8. 3/4" aggregate continuous behind retaining wall.
9. For Cable Railing see Caltrans Standard Plan B11-47.

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ENGINEER IN RESPONSIBLE CHARGE
Farshid A. Mohammadi
FARSHID A. MOHAMMADI
R.C.E. No. 51304 expires 6/30/06
DATE 4/4/06

REGISTERED PROFESSIONAL ENGINEER FARSHID A. MOHAMMADI No. 51304 Exp. 6/30/06 CIVIL STATE OF CALIFORNIA

MARK	REVISIONS	APPR.	DATE

DESIGNED BY FAM DRAWN BY RGD CHECKED BY

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE
PRINCIPAL ENGINEER	PA	4/18/06
CONST. CONTRACT ADMIN.	DC	4/18/06
STREET SERVICES	DB	4/20/06
SURVEYOR	CB	4/18/06
TRAFFIC DIVISION	SK	4/18/06
PARKS DEPARTMENT		

APPROVED BY
CITY ENGINEER
DATE 4/18/06

ALESSANDRO BOULEVARD AND CHICAGO AVENUE INTERSECTION IMPROVEMENTS
RETAINING WALL DETAILS
NOT TO SCALE

ACCT. NO. 9578930214 440302XX
R-3793
SHEET 9 OF 9

AS BUILT 1/31/11

INDEXED 10-02-06 GH