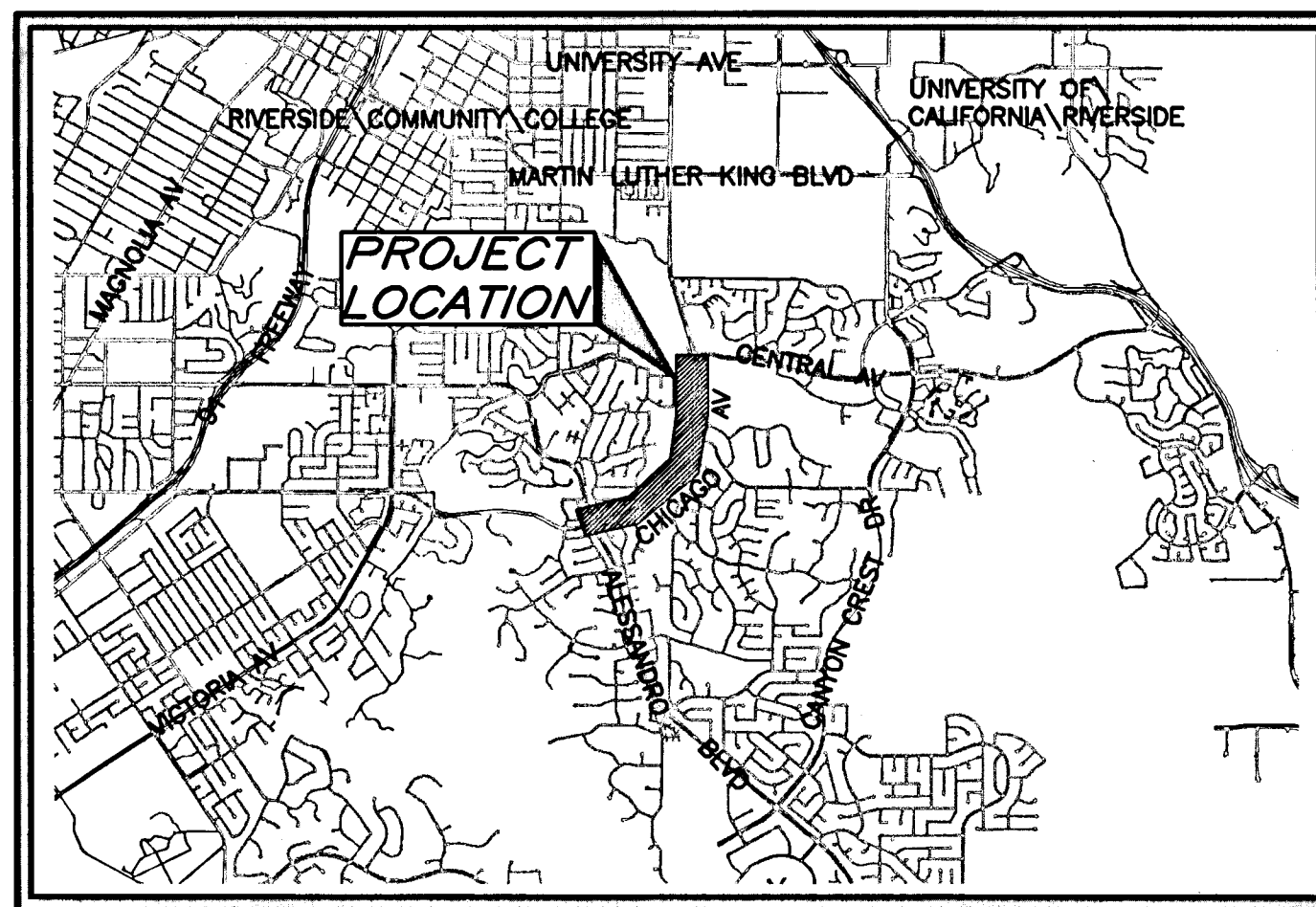




VICINITY MAP
N.T.S.

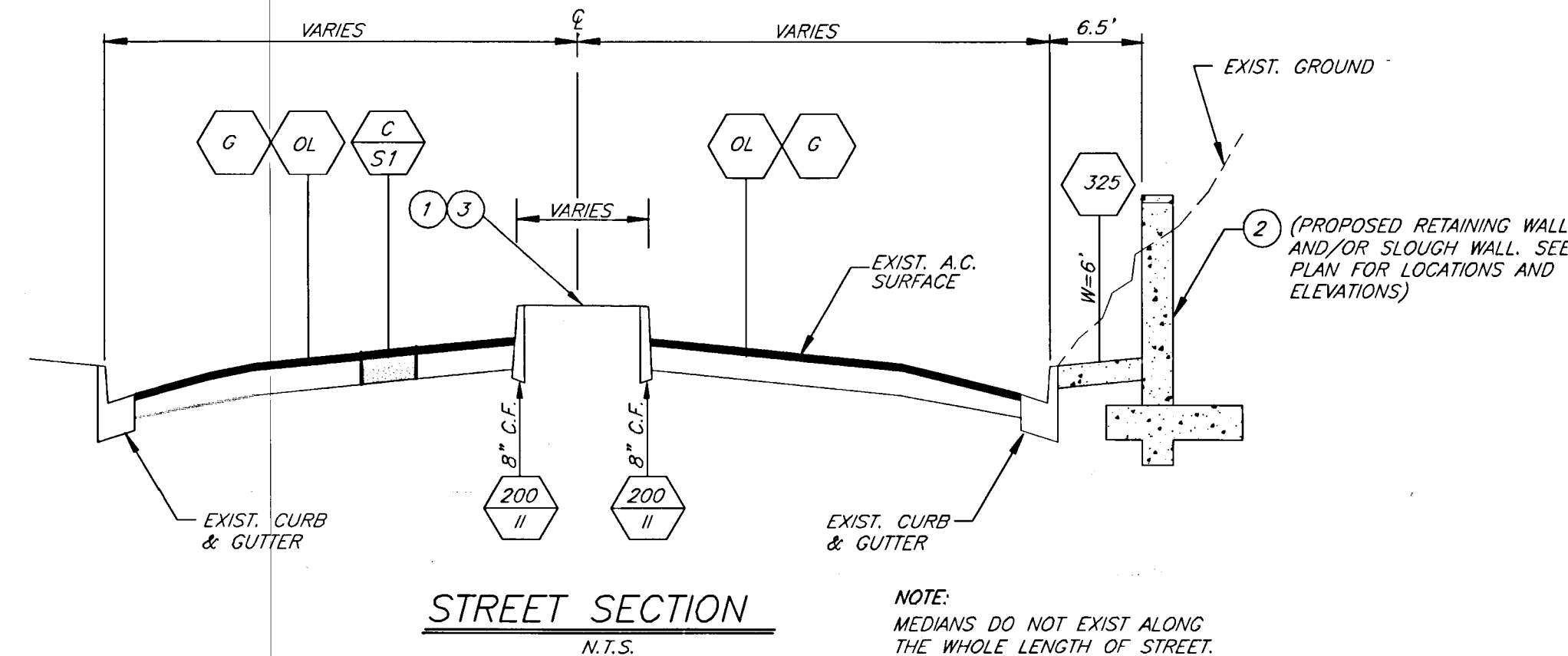
RIVERSIDE CALIFORNIA

CITY OF RIVERSIDE

PUBLIC WORKS DEPARTMENT

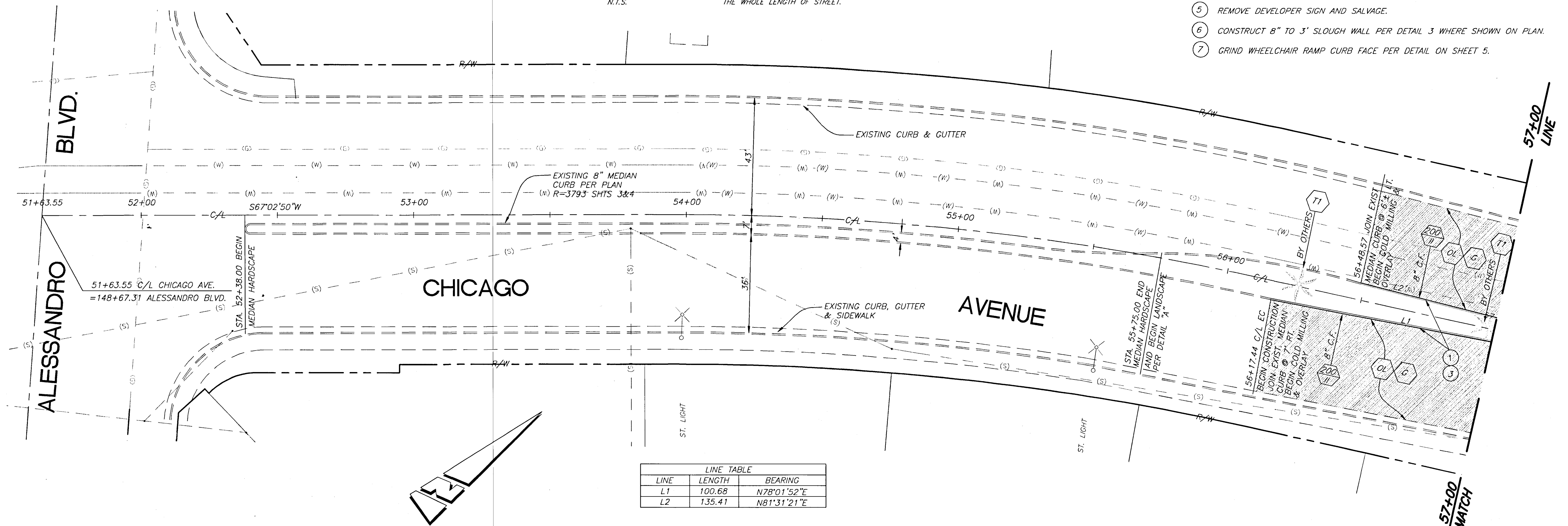
CHICAGO AVENUE IMPROVEMENTS

ALESSANDRO BLVD. TO CENTRAL AVENUE

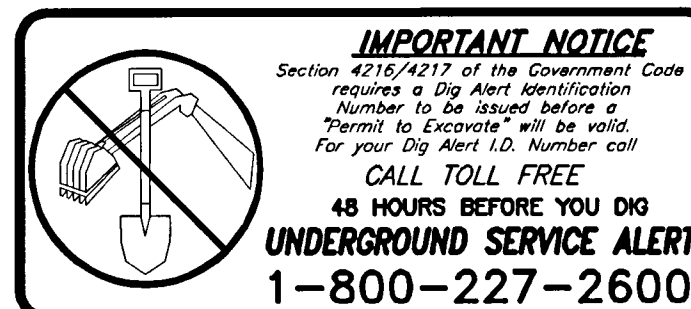


SPECIFIC CONSTRUCTION NOTES

- 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.
- S1 CONSTRUCT A STRUCTURAL SECTION OF 0.67' DGAC OVER COMPACTED NATIVE.
- OL OVERLAY COLD MILLED AREAS WITH A.R.H.M.-GG AC OVERLAY (0.15' MINIMUM THICKNESS)
- ADV ADJUST WATER METER OR ELECTRIC PULLBOX TO GRADE.
- REL SIGN RELOCATE EXISTING SIGN PER STD. DWG. NO. 662.
- G COLD MILL EXISTING A.C. 0.15' DEEP
- GT 5 COLD MILLING - TYPE I (5' WIDE). THE MILLING DEPTH AT GUTTER LIP (OR CURB FACE) SHALL BE 0.08' AND STRAIGHT GRADED IN 5' TO MATCH EXISTING PAVEMENT SURFACE.
- GT 10 COLD MILLING - TYPE I (10' WIDE). THE MILLING DEPTH AT BEGIN POINT SHALL BE 0.10' AND STRAIGHT GRADED IN 10' TO MATCH EXISTING PAVEMENT SURFACE.
- PIP PROTECT IN PLACE AS SHOWN ON PLAN
- TR RELOCATE EXISTING TRAFFIC SIGNAL BEHIND WHEELCHAIR RAMP AS DESCRIBED IN THE SPECIAL PROVISIONS.
- R I REMOVE BUSHES/TREES FROM SLOPE AREA OR MEDIAN AS NEEDED TREES (CLASS I = 6"-18", CLASS II = 18"-36", CLASS III OVER 36")
- REL I RELOCATE EXISTING PALM AS SHOWN ON PLAN
- T1 TRANSPLANT PALM OFFSITE TO CENTRAL AVE. AND MAINTAIN FOR ONE YEAR
- TEL TELEPHONE RISER TO BE RELOCATED BY TELEPHONE COMPANY
- E1 STREET LIGHT TO BE RELOCATED BY RPUD - ELECTRIC
- 1 REMOVE EXISTING MEDIAN CURB AND CURB W/ GUTTER
- 2 CONSTRUCT RETAINING WALL AS SHOWN ON PLAN AND PER TYPICAL DETAIL ON SHEET 4.
- 3 CONSTRUCT MEDIAN CURB ON TOP OF EXISTING GROUND. CURB HEIGHT SHALL BE 8" FROM EXISTING PAVEMENT SURFACE.
- 4 RECONSTRUCT WHEELCHAIR RAMP AS SHOWN ON PLAN
- 5 REMOVE DEVELOPER SIGN AND SALVAGE.
- 6 CONSTRUCT 8" TO 3' SLOUGH WALL PER DETAIL 3 WHERE SHOWN ON PLAN.
- 7 GRIND WHEELCHAIR RAMP CURB FACE PER DETAIL ON SHEET 5.



LINE TABLE		
LINE	LENGTH	BEARING
L1	100.68	N78°01'52"E
L2	135.41	N81°31'21"E

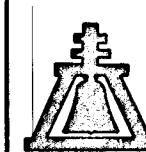


BASIS OF BEARING:

COORDINATES AND BEARINGS SHOWN HEREON ARE BASED ON THE NAD 83, CALIFORNIA COORDINATE SYSTEM, ZONE 6 (CCS83 ZONE 0406) AS ESTABLISHED BY THE CITY OF RIVERSIDE CADME PROJECT, 1991 ADJUSTMENT.

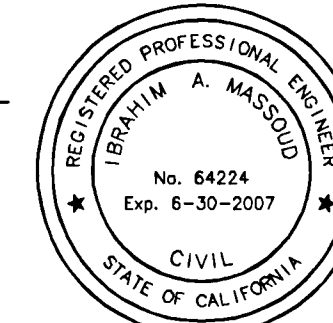
BENCHMARK NO.: H7-K3

ELEV.: 944.734
P.K. NAIL AND CITY ENGINEER TAG IN A TRAFFIC SIGNAL BASE NORTHERLY OF THE ECR AT THE NORTHEAST CURB RETURN OF CHICAGO AVENUE AND CENTRAL AVENUE.



ENGINEER IN RESPONSIBLE CHARGE
Ibrahim Massoud

R.C.E. No. 64224 expires 6/30/2007
DATE 12-7-06



MARK	REVISIONS	APPR.	DATE
DESIGNED BY	CS	DRAWN BY	CS
CHECKED BY	IM		

CITY OF RIVERSIDE, CALIFORNIA PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE	APPROVED BY
PRINCIPAL ENGINEER	DA	12/11/06	
CONSTRUCTION ADMIN.	CS	12/11/06	
SURVEYOR	CS	12/11/06	
STREET SERVICES			
TRAFFIC ENGINEER			

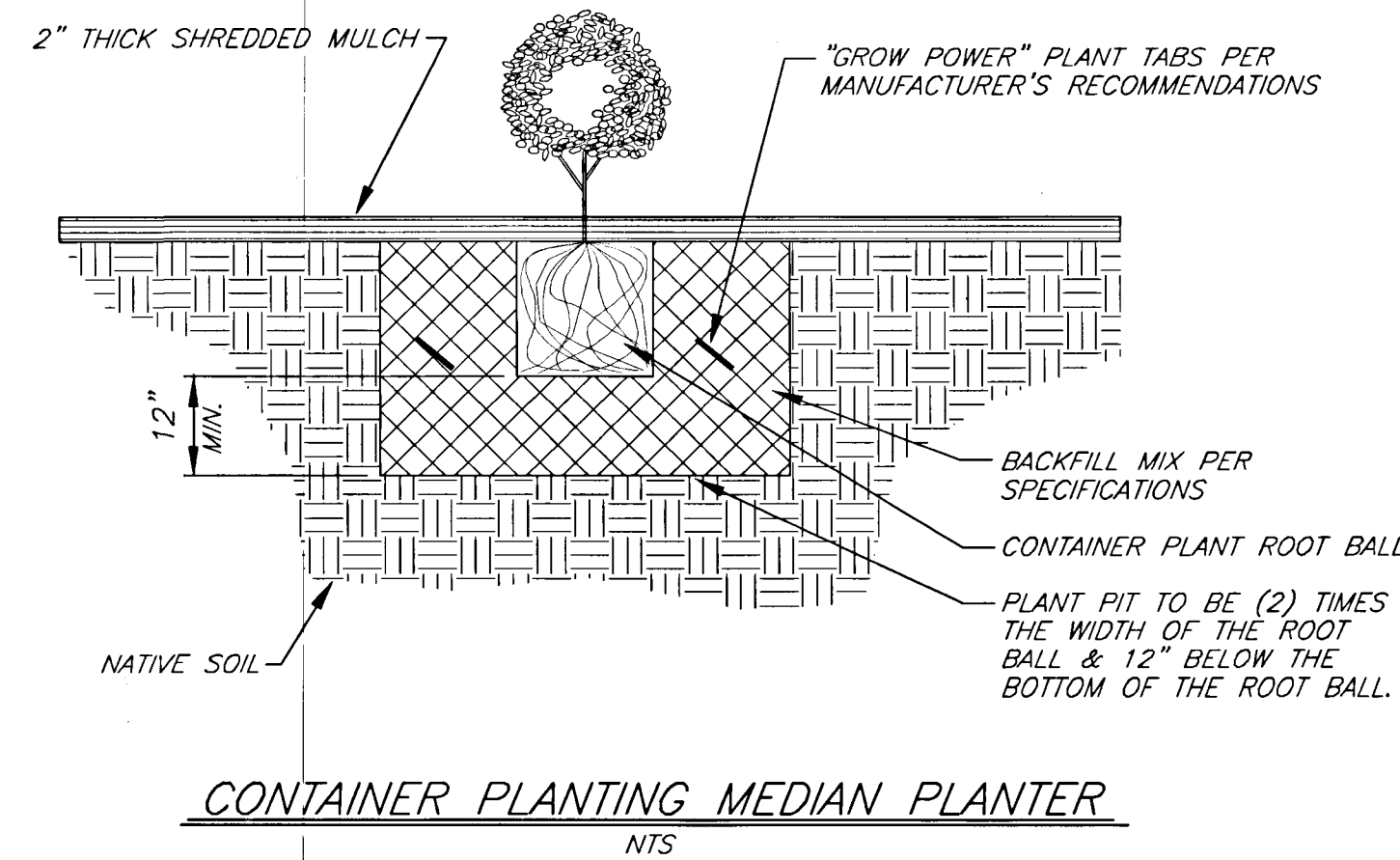
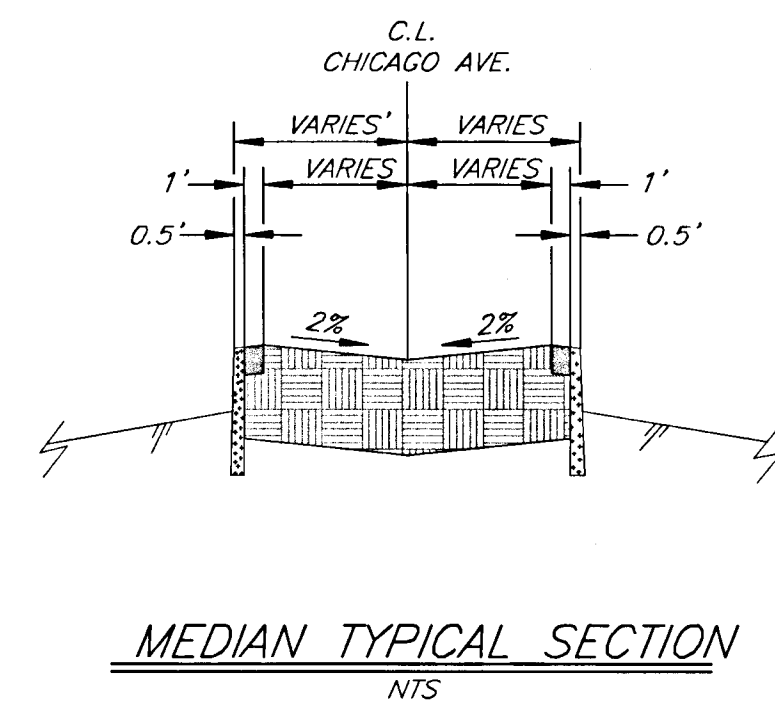
CHICAGO AVE. IMPROVEMENTS
BETWEEN ALESSANDRO BLVD. & 400' NORTH OF CENTRAL AVE.
HORIZ. SCALE: 1" = 20' VERT. SCALE: 1" = 4'

ACCT. NO.: 9585430214-440302XX

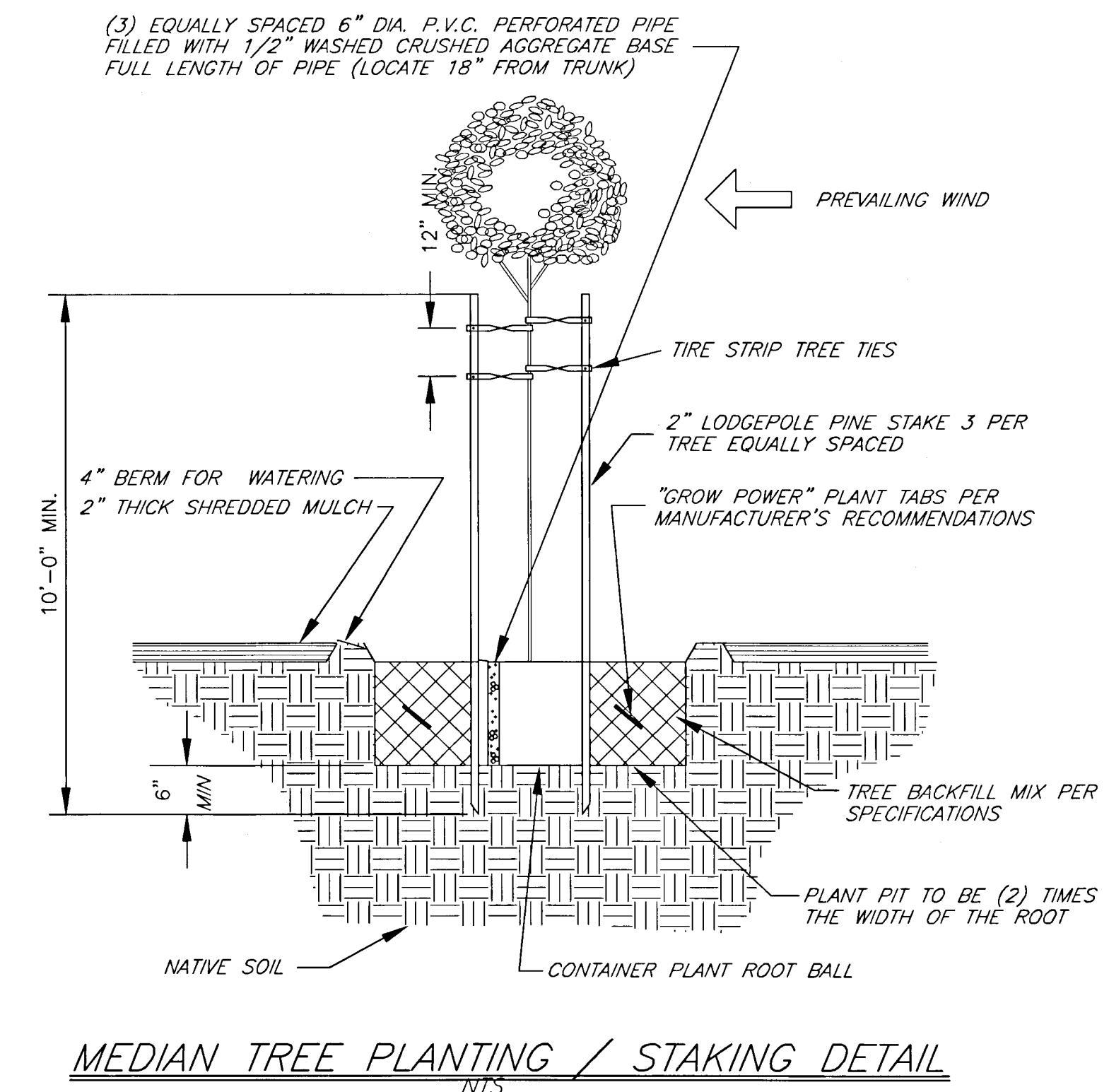
R-3960
SHEET 1 OF 10

INDEXED 6-14-07 LHH

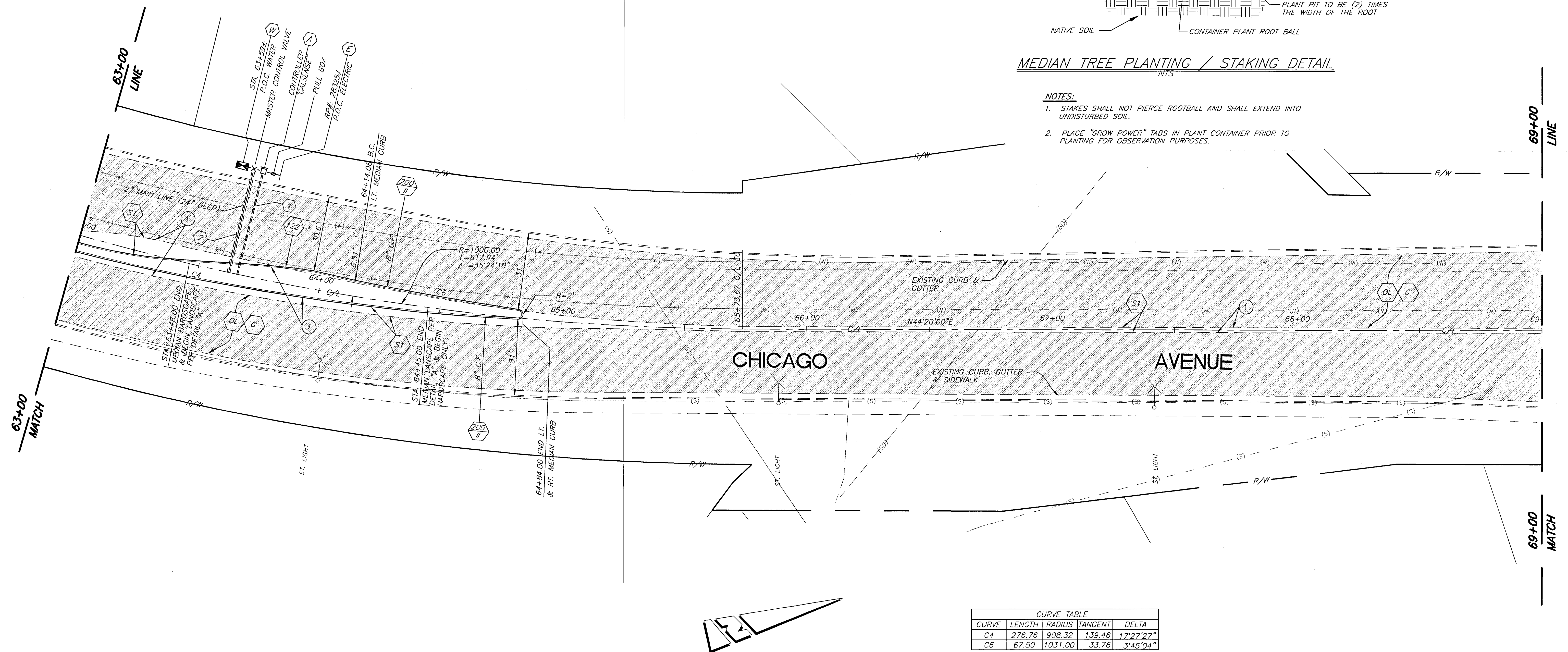
INDEXED 5-14-07 L.H



- NOTES:**
1. UNTANGLE MATTED ROOTS BY LOOSENING ALL ROOTS AT EDGE OF ROOT BALL WITH WATER FROM HOSE. DO NOT CRACK ROOT BALL.
 2. PLACE "GROW POWER" TABS IN PLANT CONTAINER PRIOR TO PLANTING FOR OBSERVATION PURPOSES.



- NOTES:**
1. STAKES SHALL NOT PIERCE ROOTBALL AND SHALL EXTEND INTO UNDISTURBED SOIL.
 2. PLACE "GROW POWER" TABS IN PLANT CONTAINER PRIOR TO PLANTING FOR OBSERVATION PURPOSES.



ENGINEER IN RESPONSIBLE CHARGE
Ibrahim Massoud
IBRAHIM MASSOUD
R.C.E. No. 64224 expires 6/30/2007
DATE 12-7-06



APPROVED BY	BY	DATE
PRINCIPAL ENGINEER	QA	12/11/06
CONSTRUCTION ADMIN.	SC	12/11/06
SURVEYOR	ES	12/11/06
STREET SERVICES		
TRAFFIC ENGINEER	LA	12-1-07

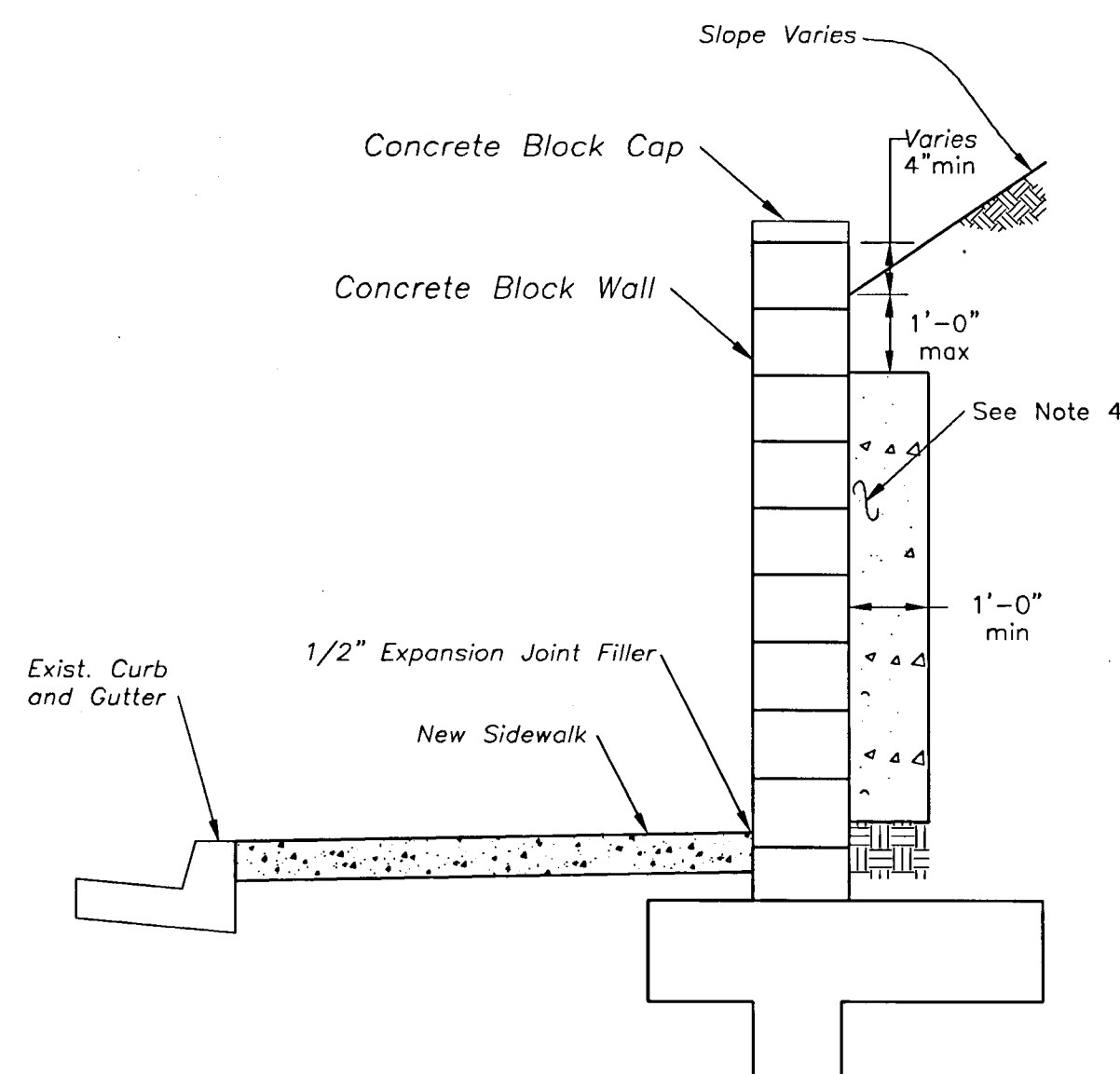
CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

CHICAGO AVE. IMPROVEMENTS
BETWEEN ALESSANDRO BLVD. & 400' NORTH OF CENTRAL AVE.

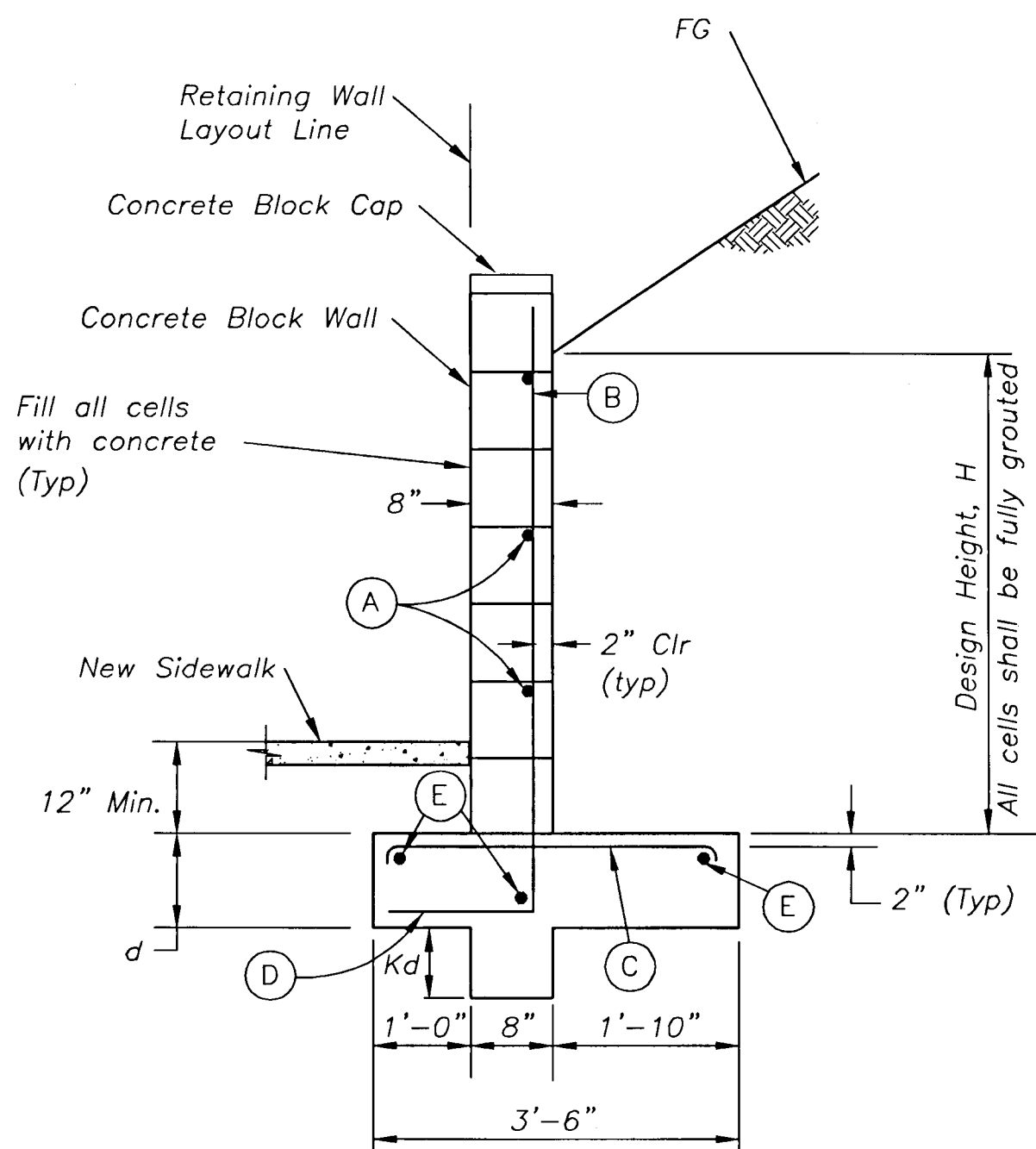
ACCT. NO: 9585430214-440302XX
R-3960
SHEET 3 OF 10

HORIZ. SCALE: 1" = 20' VERT. SCALE: 1" = 4'

INDEXED 5-14-07 4-11



(DETAIL "1")
TYPICAL WALL DRAINAGE DETAIL (H=2'-0" TO 6'-0")
Not to Scale



(DETAIL "2")
TYPICAL SECTION FOR DESIGN (H = 2'-0" TO 6'-0")
Not to Scale

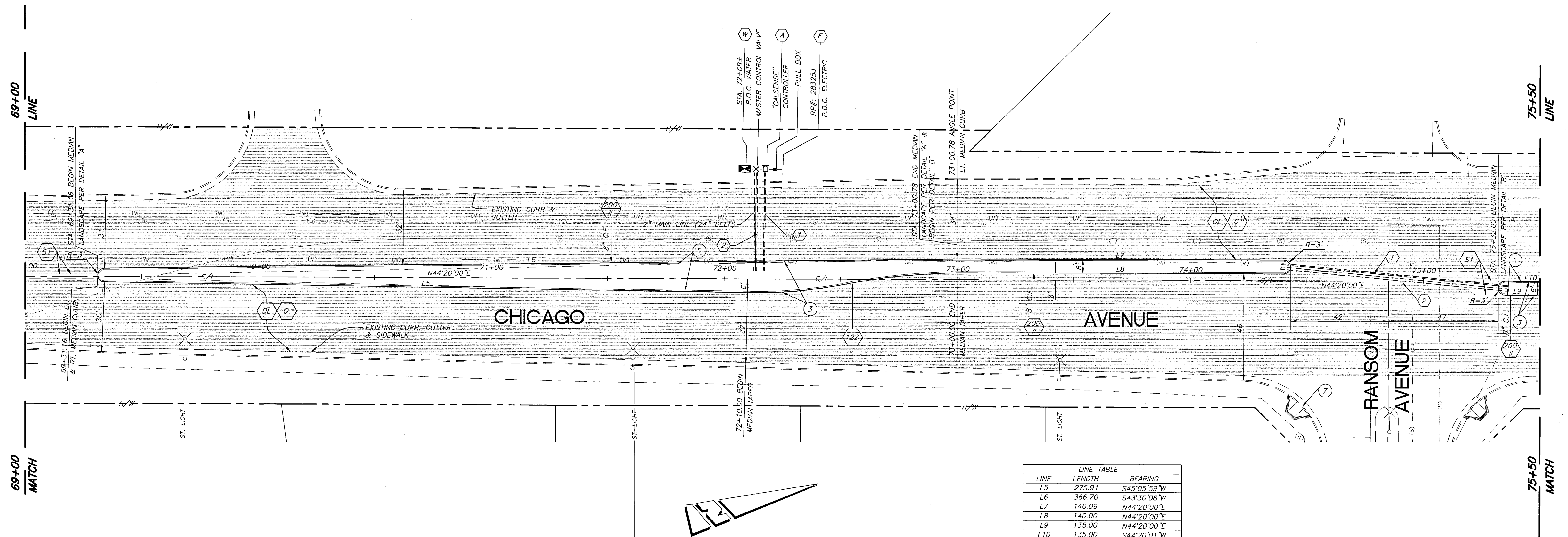
Design H	2'-0"	3'-0"	4'-0"	5'-0"	6'-0"
W	2'-0"	2'-0"	3'-0"	3'-6"	5'-0"
d	8"	10"	12"	12"	12"
Kd	-	-	6"	12"	12"
(A)	#4@24"	#4@24"	#4@24"	#4@24"	#4@24"
(B)	#4@24"	#4@24"	#4@18"	#4@18"	#4@18"
(C)	#4@24"	#4@24"	#4@18"	#4@18"	#4@18"
(D)	#4@24"	#4@24"	#4@18"	#4@18"	#4@18"
(E)	#4Cont.	#4Cont.	#4Cont.	#4Cont.	#4Cont.

DESIGN CRITERIA:

Masonry: $f'm=1,500$ psi $f_s=24,000$ psi
Reinforced Concrete: $f'c=3,250$ psi $f_s=24,000$ psi

NOTES:

- No splices are allowed on B bars.
- For footing step details see Caltrans Standard Plan B3-11.
- Wall expansion joints shall be placed per Caltrans Standard Plan B3-11.
- 3/4" aggregate continuous behind retaining wall.
- Omit head joint at first course @32" O.C. for weep hole.

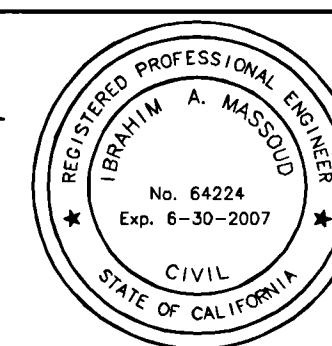


LINE	LENGTH	BEARING
L5	275.91	S45°05'59"W
L6	366.70	S43°30'08"W
L7	140.09	N44°20'00"E
L8	140.00	N44°20'00"E
L9	135.00	N44°20'00"E
L10	135.00	S44°20'01"W

CITY OF RIVERSIDE, CALIFORNIA
WATER DIVISION, PUBLIC UTILITIES DEPARTMENT
APPROVED BY _____
DATE _____

CITY OF RIVERSIDE, CALIFORNIA
ELECTRICAL DIVISION, PUBLIC UTILITIES DEPARTMENT
APPROVED BY _____
DATE _____

ENGINEER IN RESPONSIBLE CHARGE
IBRAHIM MASSOUD
R.C.E. No. 64224 expires 6/30/2007
DATE 12-7-06



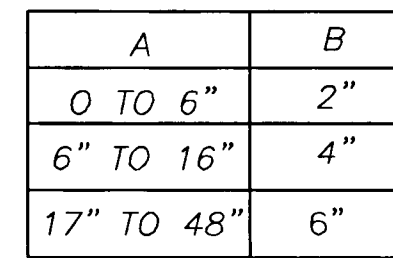
MARK _____
DESIGNED BY CS DRAWN BY CS CHECKED BY JM

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT
APPROVED BY _____
CONSTRUCTION ADMIN. _____
SURVEYOR _____
STREET SERVICES _____
TRAFFIC ENGINEER _____

CHICAGO AVE. IMPROVEMENTS
BETWEEN ALESSANDRO BLVD. & 400' NORTH OF CENTRAL AVE.
HORIZ. SCALE: 1" = 20' VERT. SCALE: 1" = 4'

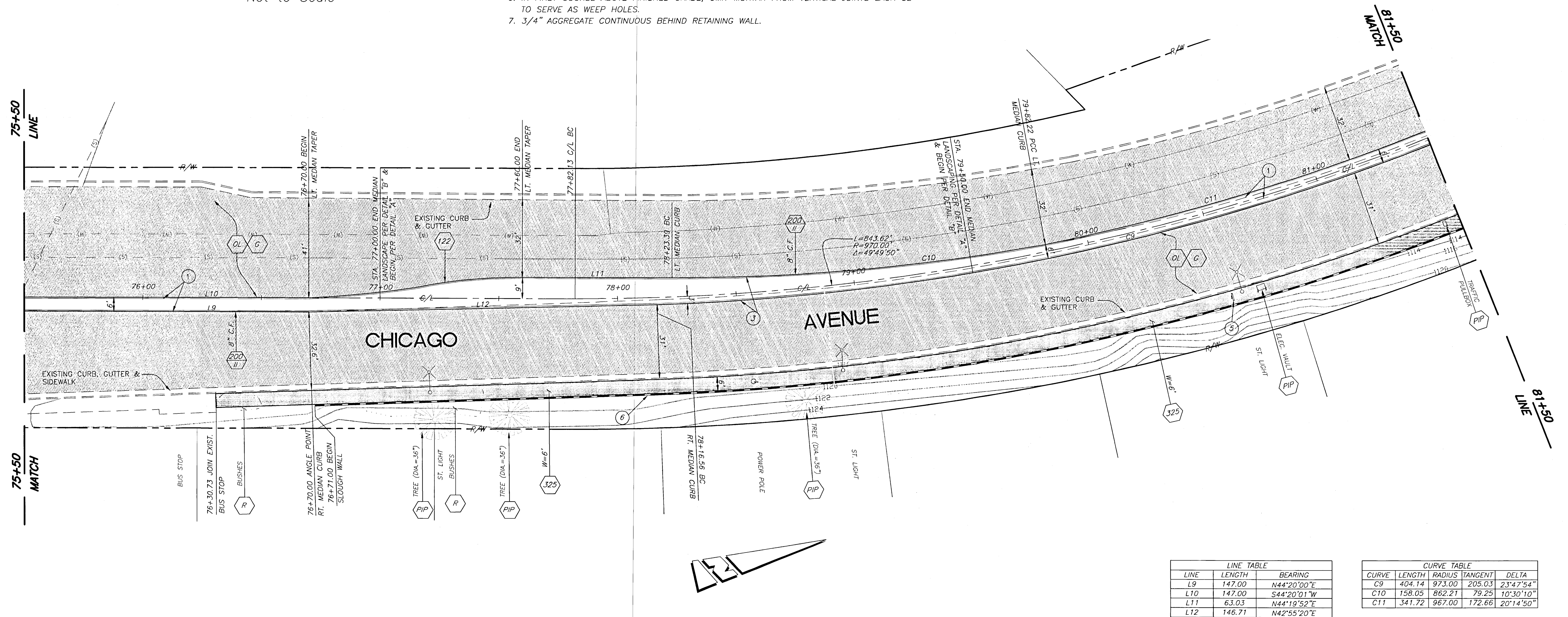
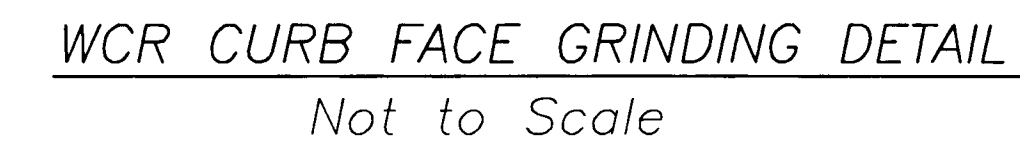
ACCT. NO: 9585430214-440302X
R-3960
SHEET 4 OF 10
FILE: \P\COMMON\ENGINEERING\PROJECTS\CHICAGO\CHICAGO.DWG

INDEXED 5-14-07



NOTES:

1. MAX HEIGHT OF WALL IS 4 COURSES OF 8" HIGH BLOCK.
2. NO LIVE-LOAD SURCHARGE SHALL BE ALLOWED ON RETAINED SOIL.
3. POUR FOOTING AGAINST UNDISTURBED EARTH.
4. TOP OF FOOTING MAY BE PLACED AT SAME GRADE AS STREET IF STREET GRADE IS UNIFORM.
5. PLACE CONCRETE BLOCKS IMMEDIATELY AFTER POURING THE FOOTING. FILL ALL CELLS SOLID WITH GROUT AND ROD SO THAT GROUT IS MONOLITHIC WITH FOOTING.
6. IN FIRST COURSE ABOVE FINISHED GRADE, OMIT MORTAR FROM VERTICAL JOINTS EACH 32" TO SERVE AS WEEP HOLES.
7. 3/4" AGGREGATE CONTINUOUS BEHIND RETAINING WALL.



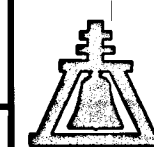
LINE TABLE		
LINE	LENGTH	BEARING
L9	147.00	N44°20'00"E
L10	147.00	S44°20'01"W
L11	63.03	N44°19'52"E
L12	146.71	N42°55'20"E

CURVE TABLE				
CURVE	LENGTH	RADIUS	TANGENT	DELTA
C9	404.14	973.00	205.03	23°47'54"
C10	158.05	862.21	79.25	10°30'10"
C11	341.72	967.00	172.66	20°14'50"

CITY OF RIVERSIDE, CALIFORNIA
ELECTRICAL DIVISION, PUBLIC UTILITIES DEPARTMENT

APPROVED BY _____

DATE _____



 ENGINEER IN
RESPONSIBLE CHARGE
Ibrahim A. Massoud
IBRAHIM MASSOUD
R.C.E. No. 64224 expires 6/30/2007
DATE 12-7-06



MARK	REVISIONS	APPR.	DA
DESIGNED BY <u>CS</u> DRAWN BY <u>CS</u> CHECKED BY <u>IM</u>			

APPROVED BY	BY	DATE	APPROVED BY
PRINCIPAL ENGINEER	DH	12/11/05	<i>[Signature]</i>
CONSTRUCTION ADMIN.	JE	12/11/05	CITY ENGINEER
SURVEYOR	BS	12/11/05	
STREET SERVICES			DATE 12/11/05
TRAFFIC ENGINEER	EW	12/11/05	

CHICAGO AVE. 68212
IMPROVEMENTS
BETWEEN ALESSANDRO BLVD. &
400' NORTH OF CENTRAL AVE.

CCT NO: 0595430314-440302XY

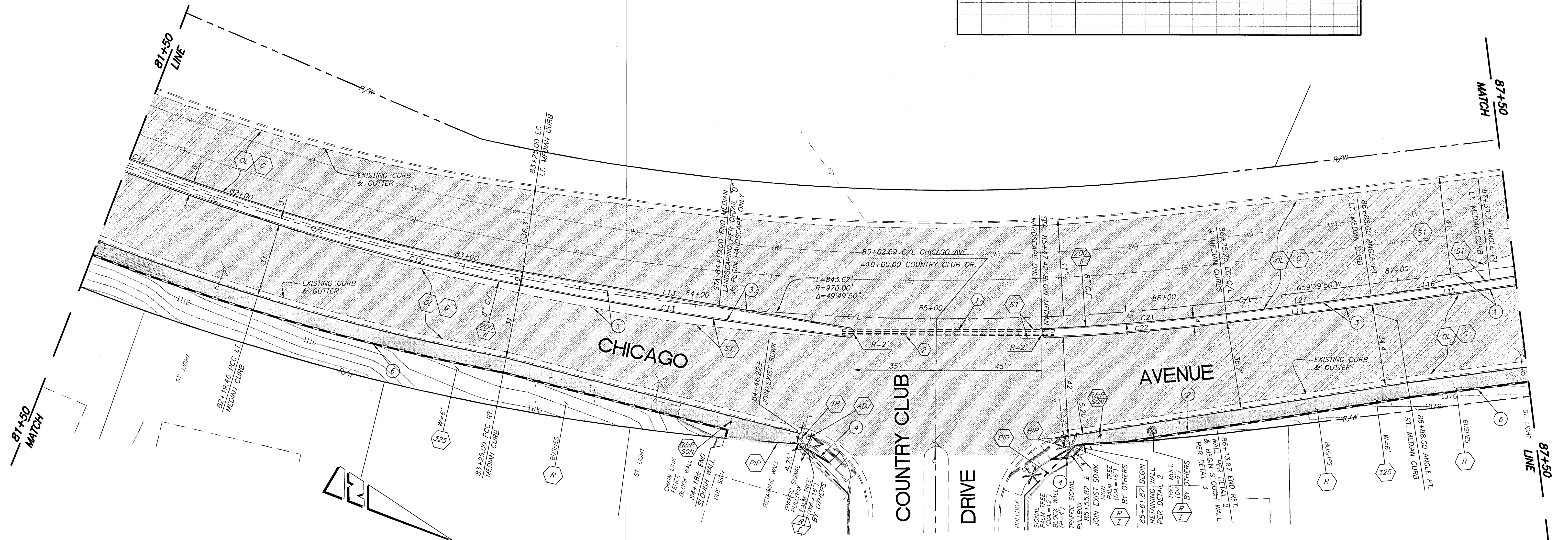
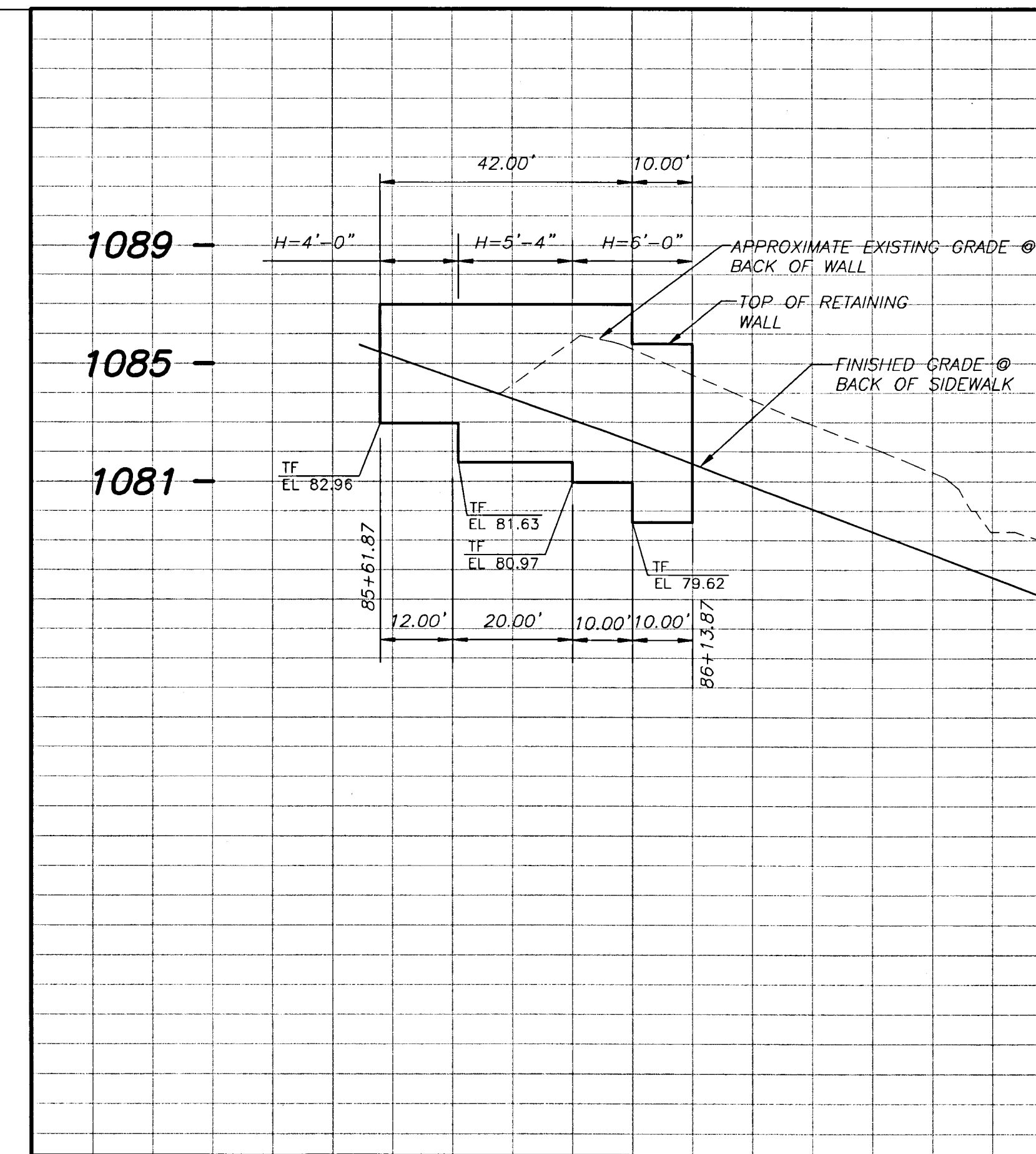
R-3960
SHEET 5 OF 10

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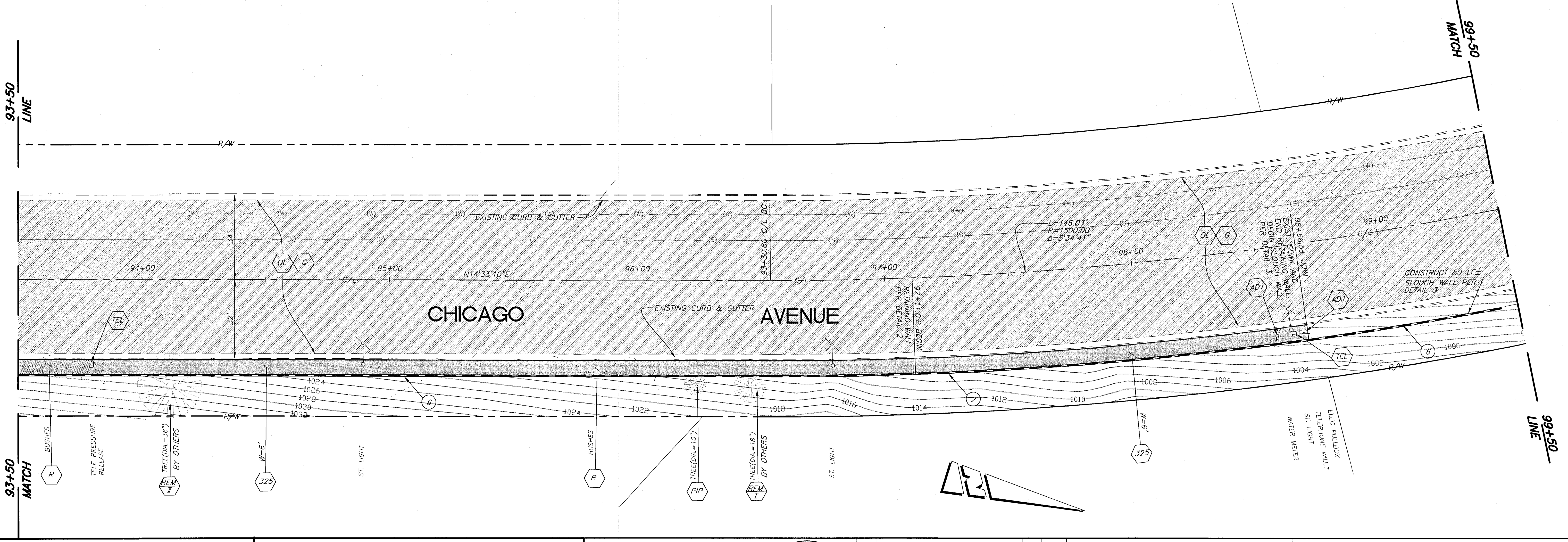
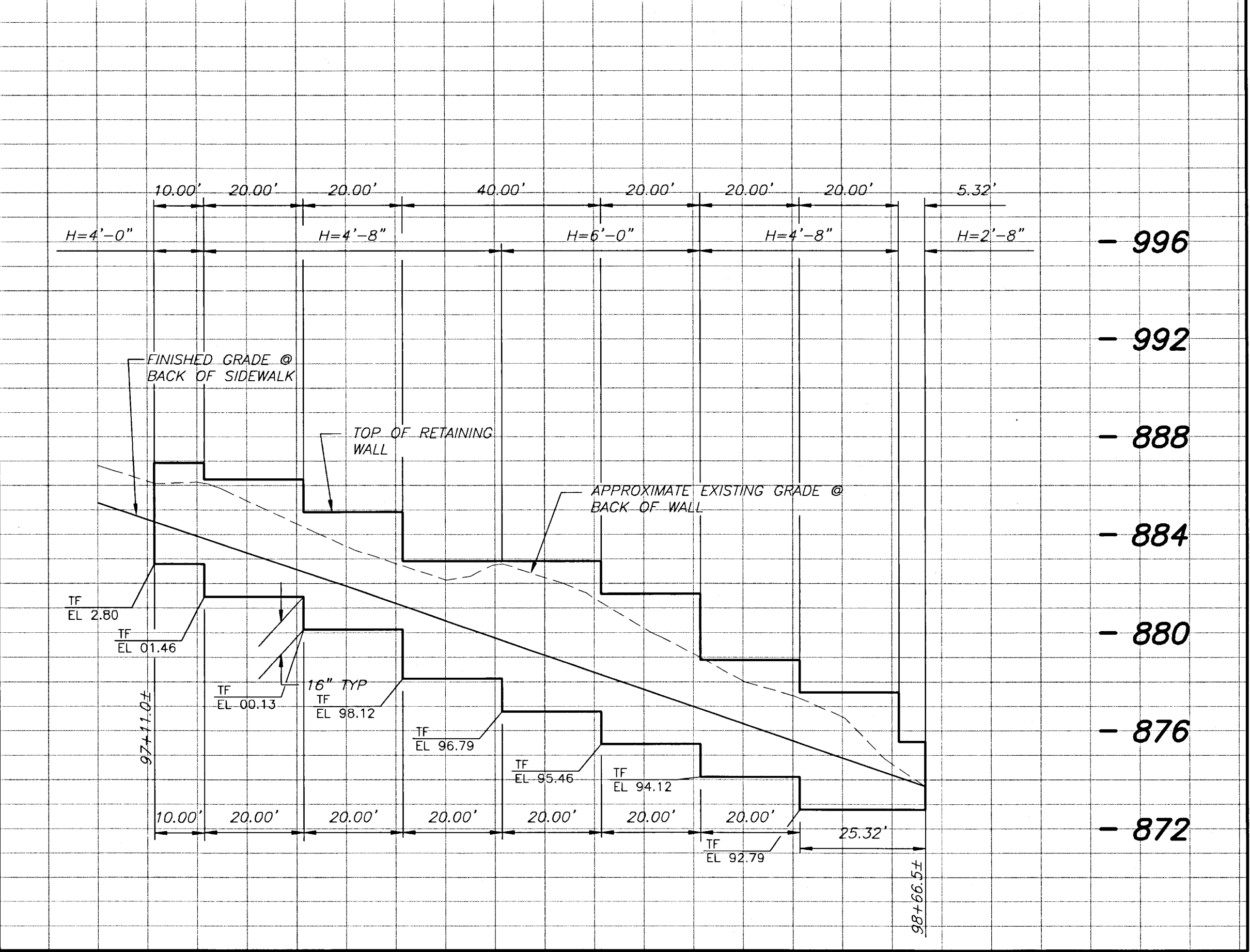
INDEXED 5-14-07 YH

LINE TABLE		
LINE	LENGTH	BEARING
L13	141.61	S11°15'12"W
L14	62.25	N05°29'50"W
L15	315.03	S06°06'37"E
L16	51.26	S06°06'37"E
L21	62.25	S05°29'50"E

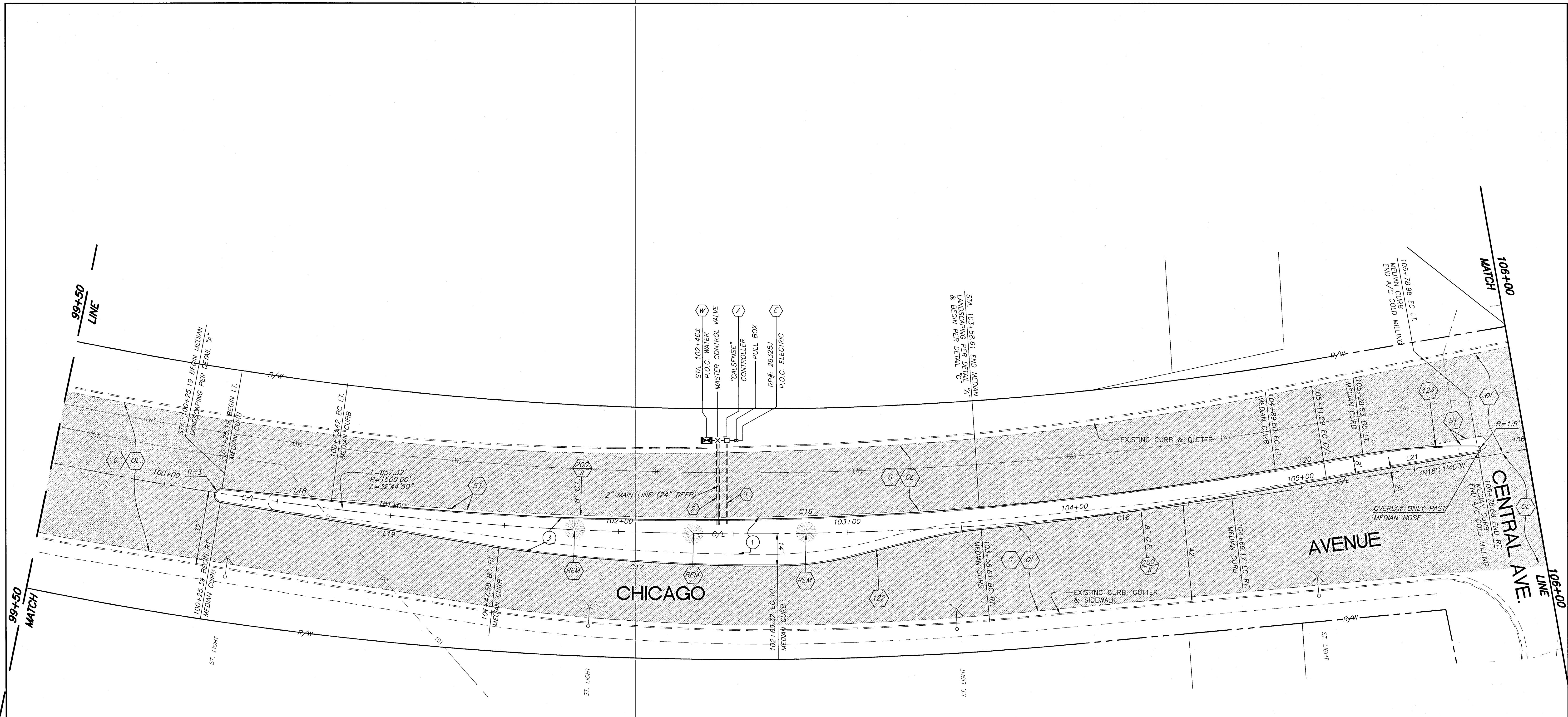
CURVE TABLE				
CURVE	LENGTH	RADIUS	TANGENT	DELTA
C9	404.14	973.00	205.03	23°47'54"
C11	341.72	967.00	172.66	20°14'50"
C12	105.86	973.00	52.98	6°14'02"
C13	141.79	1850.00	70.93	4°23'29"
C21	76.79	975.00	43.42	5°06'00"
C22	77.24	979.00	43.65	5°06'20"



CITY OF RIVERSIDE, CALIFORNIA WATER DIVISION, PUBLIC UTILITIES DEPARTMENT		CITY OF RIVERSIDE, CALIFORNIA ELECTRICAL DIVISION, PUBLIC UTILITIES DEPARTMENT		ENGINEER IN RESPONSIBLE CHARGE Ibrahim Massoud R.C.E. No. 64224 expires 6/30/2007 DATE 12-7-06		CITY OF RIVERSIDE, CALIFORNIA PUBLIC WORKS DEPARTMENT		CHICAGO AVE. IMPROVEMENTS BETWEEN ALESSANDRO BLVD. & 400' NORTH OF CENTRAL AVE.		ACCT. NO: 9585430214-440302XK R-3960 SHEET 6 OF 10	
APPROVED BY _____ DATE _____		APPROVED BY _____ DATE _____		DESIGNED BY CS DRAWN BY CS CHECKED BY JM		APPROVED BY _____ DATE 12/11/06		HORIZ. SCALE: 1" = 20' VERT. SCALE: 1" = 4'		INDEXED 5-11-07 4th	



CITY OF RIVERSIDE, CALIFORNIA WATER DIVISION, PUBLIC UTILITIES DEPARTMENT		CITY OF RIVERSIDE, CALIFORNIA ELECTRICAL DIVISION, PUBLIC UTILITIES DEPARTMENT		 ENGINEER IN RESPONSIBLE CHARGE <i>Ibrahim Massoud</i> IBRAHIM MASSOUD R.C.E. No. 64224 expires 6/30/2007 DATE <u>12-7-06</u>	CITY OF RIVERSIDE, CALIFORNIA PUBLIC WORKS DEPARTMENT		CHICAGO AVE. IMPROVEMENTS BETWEEN ALESSANDRO BLVD. & 400' NORTH OF CENTRAL AVE.		ACCT. NO: 9585430214-4403020X
APPROVED BY _____		APPROVED BY _____			APPROVED BY _____ CITY ENGINEER		R-3960 SHEET 8 OF 10		
DATE _____		DATE _____			DATE <u>12/1/06</u>		HORIZ. SCALE: 1" = 20' VERT. SCALE: 1" = 4'		FILE: \\COMMON\ENGINEERING FILES\COMPLETED PROJECTS\CHICAGO



CURVE TABLE				
CURVE	LENGTH	RADIUS	TANGENT	DELTA
C16	414.54	1500.00	208.60	15°50'03"
C17	122.86	861.00	61.54	8°10'34"
C18	110.61	1477.00	55.33	4°17'26"

LINE TABLE		
LINE	LENGTH	BEARING
L18	48.17	N02°21'38"W
L19	123.52	N00°48'02"E
L20	38.90	S18°11'41"E

CITY OF RIVERSIDE, CALIFORNIA
WATER DIVISION, PUBLIC UTILITIES DEPARTMENT

APPROVED BY _____
DATE _____

CITY OF RIVERSIDE, CALIFORNIA
ELECTRICAL DIVISION, PUBLIC UTILITIES DEPARTMENT

APPROVED BY _____
DATE _____

ENGINEER IN RESPONSIBLE CHARGE
Ibrahim Massoud
IBRAHIM MASSOUD
R.C.E. No. 64224 expires 6/30/2007
DATE 12-7-06

REGISTERED PROFESSIONAL ENGINEER
IBRAHIM A. MASSOUD
No. 64224
Exp. 6-30-2007
CIVIL
STATE OF CALIFORNIA

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE
PRINCIPAL ENGINEER	<i>[Signature]</i>	12/14/06
CONSTRUCTION ADMIN.	<i>[Signature]</i>	12/14/06
SURVEYOR	<i>[Signature]</i>	12/14/06
STREET SERVICES		
TRAFFIC ENGINEER		

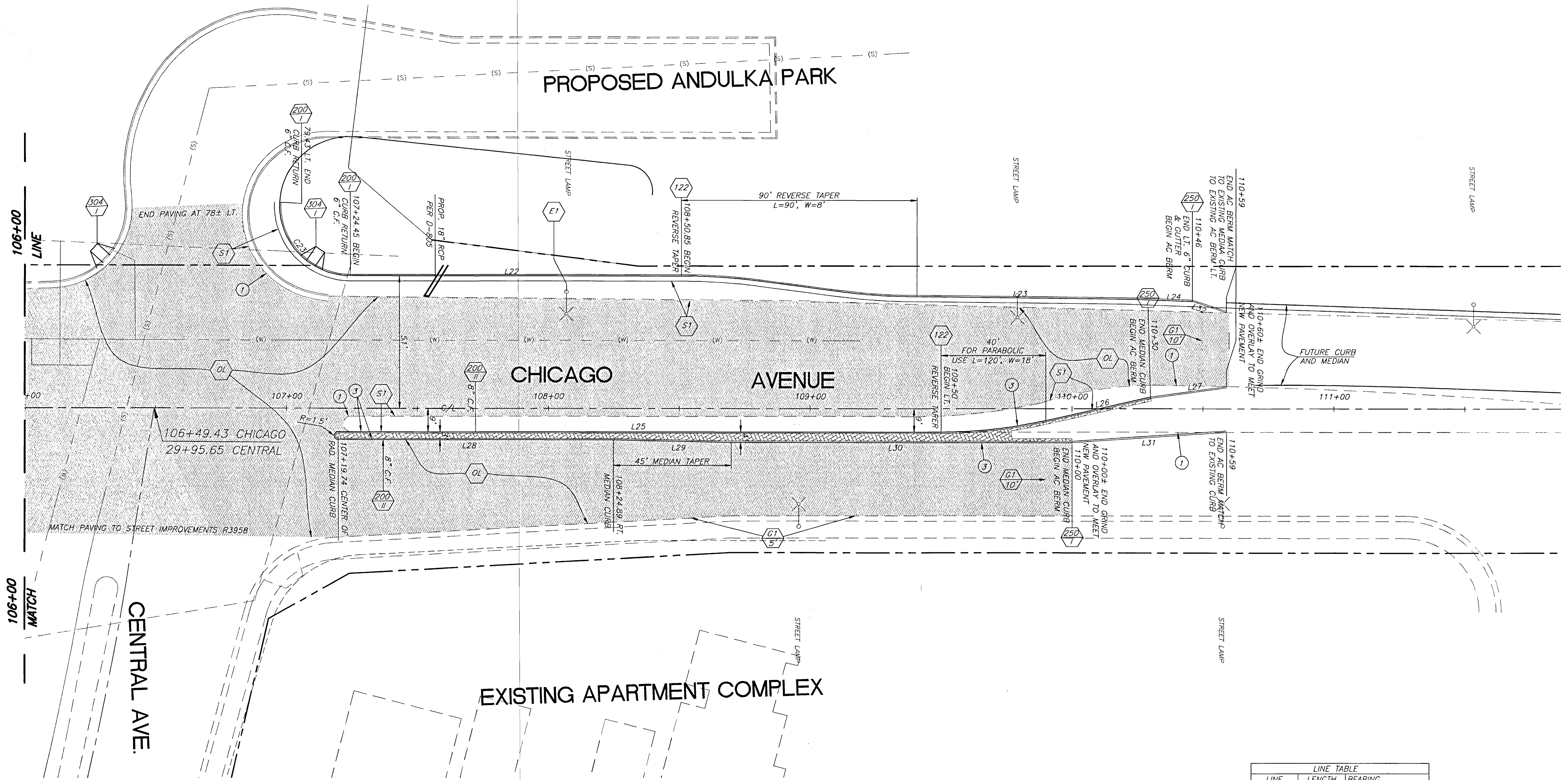
DESIGNED BY CS DRAWN BY CS CHECKED BY IM

CHICAGO AVE.
IMPROVEMENTS
BETWEEN ALESSANDRO BLVD. &
400' NORTH OF CENTRAL AVE.

ACCT. NO: 9585430214-440302XX
R-3960
SHEET 9 OF 10

HORIZ. SCALE: 1" = 20' VERT. SCALE: 1" = 4'

INDEXED S-14-07 4H



LINE TABLE		
LINE	LENGTH	BEARING
L22	126.40	N17°18'42"W
L23	81.80	N16°36'30"W
L24	23.36	N15°16'39"W
L25	230.26	S17°18'42"E
L26	41.00	N29°59'31"W
L27	29.28	S24°51'21"E
L28	105.15	S17°18'42"E
L29	45.01	N16°02'19"W
L30	130.11	S17°18'42"E
L31	59.14	N21°11'25"W
L32	13.72	S01°16'50"W

CURVE TABLE				
CURVE	LENGTH	RADIUS	DELTA	TANGENT
C23	43.84	27.00	93°01'41"	28.47

CITY OF RIVERSIDE, CALIFORNIA WATER DIVISION, PUBLIC UTILITIES DEPARTMENT APPROVED BY _____ DATE _____	CITY OF RIVERSIDE, CALIFORNIA ELECTRICAL DIVISION, PUBLIC UTILITIES DEPARTMENT APPROVED BY _____ DATE _____	 ENGINEER IN RESPONSIBLE CHARGE <i>Ibrahim Massoud</i> IBRAHIM MASSOUD R.C.E. No. 64234 expires 6/30/2007 DATE <u>12-7-06</u>	CITY OF RIVERSIDE, CALIFORNIA PUBLIC WORKS DEPARTMENT APPROVED BY _____ DATE <u>12/11/06</u> DESIGNED BY <u>CS</u> DRAWN BY <u>CS</u> CHECKED BY <u>IM</u>	CHICAGO AVE. IMPROVEMENTS BETWEEN ALESSANDRO BLVD. & 400' NORTH OF CENTRAL AVE. ACCT. NO: 9585430214-440302XX R-3960 SHEET <u>10</u> OF <u>10</u> INDEXED 5-14-07 GHT
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