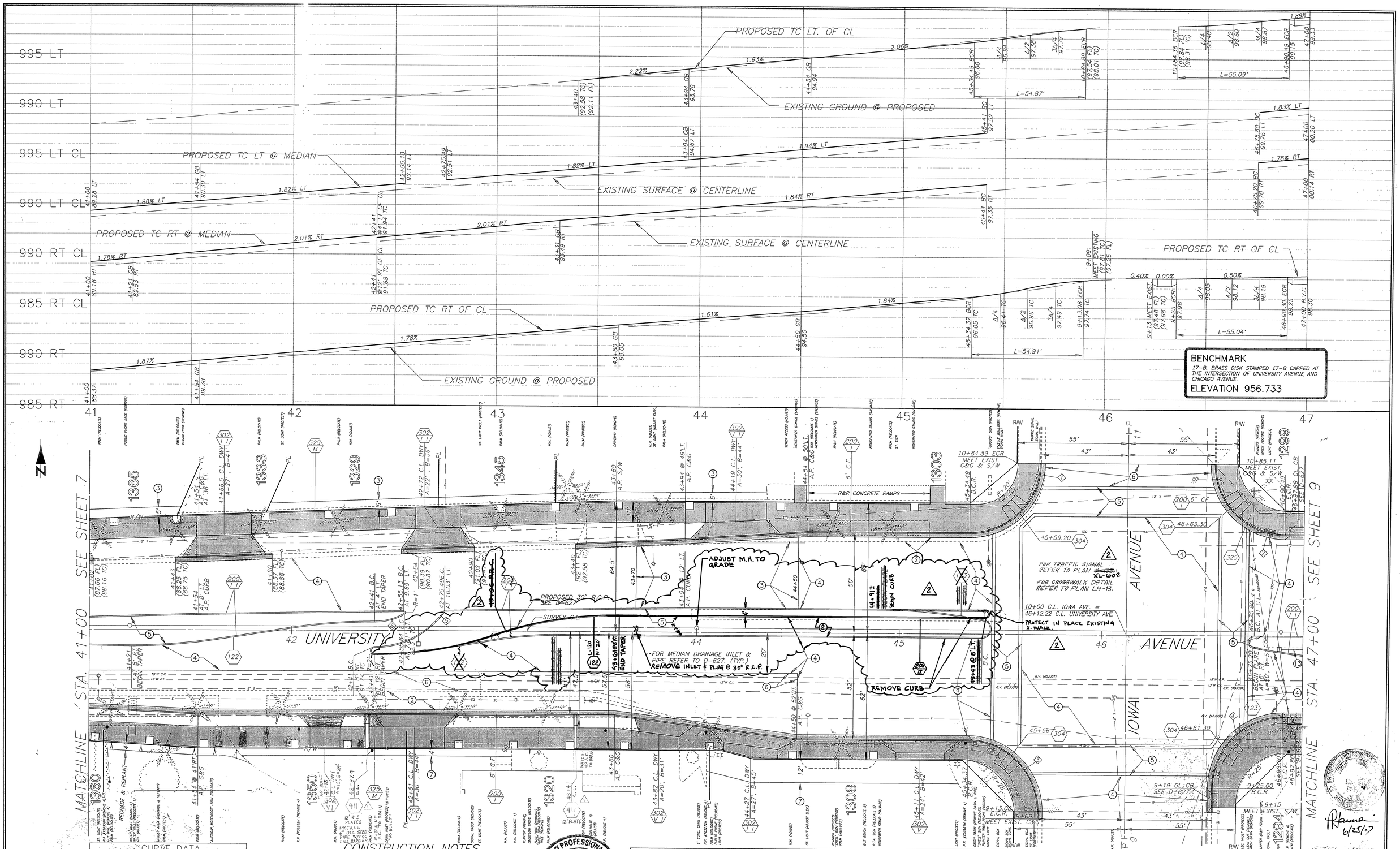


CURVE DATA

	Δ	R	L	T
1	89° 48' 58"	35'	54.87'	34.89'
2	90° 11' 02"	35'	55.09'	35.11'
3	89° 53' 37"	35'	54.91'	34.94'
4	90° 06' 23"	35'	55.04'	35.07'
5	55° 11' 28"	42'	40.46'	21.95'
6	29° 12' 06"	30'	15.29'	7.81'

CONSTRUCTION NOTES

2. CONSTRUCT 4" ASPHALT CONCRETE OVER 8" CRUSHED AGGREGATE BASE.
3. CONSTRUCT VARIABLE THICKNESS ASPHALT CONCRETE OVERLAY.
4. GRIND EXISTING ASPHALT CONCRETE (0.10' MIN.) AND CONSTRUCT VARIABLE THICKNESS ASPHALT CONCRETE OVERLAY (0.10' MIN.)
5. REMOVE EXISTING ASPHALT CONCRETE PAVEMENT.
6. R&R WITH 4" ASPHALT CONCRETE OVER 8" CRUSHED AGGREGATE BASE.
7. R&R WITH 4" ASPHALT CONCRETE OVER COMPACTED NATIVE.
13. CONSTRUCT 12" PVC DRAIN PIPE.

REGISTERED PROFESSIONAL ENGINEER DUANE K. GREENWOOD No. 43965 Exp. 6/30/97 CIVIL STATE OF CALIFORNIA

ENGINEER IN RESPONSIBLE CHARGE

DUANE K. GREENWOOD
R.C.E. No. 43965 expires 6/30/97

DATE

MARK	REVISIONS	APPR.	DATE
2	CONTRACT WORK - REVISE MEDIAN		6/26/07
1	ADD 411 DRAINS @ IHOP + MOTELODGE		8/30/96

DESIGNED BY P.H. DRAWN BY P.H. CHECKED BY

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE
DEPUTY P.W. DIRECTOR		
PRINCIPAL ENGINEER		
CHIEF P.W. INSPECTOR		
TRAFFIC DIVISION		
SURVEYOR		
STREET DIVISION		
PARKS DEPARTMENT		

APPROVED BY: CITY ENGINEER
DATE 6/27/07

UNIVERSITY AVENUE WIDENING

FROM OTTAWA AVENUE TO 215 FREEWAY

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

ACCOUNT NUMBER 432-541500-440302-30316

R-3271A

SHEET 1 OF

FILE NO. : PC 3602 P/S

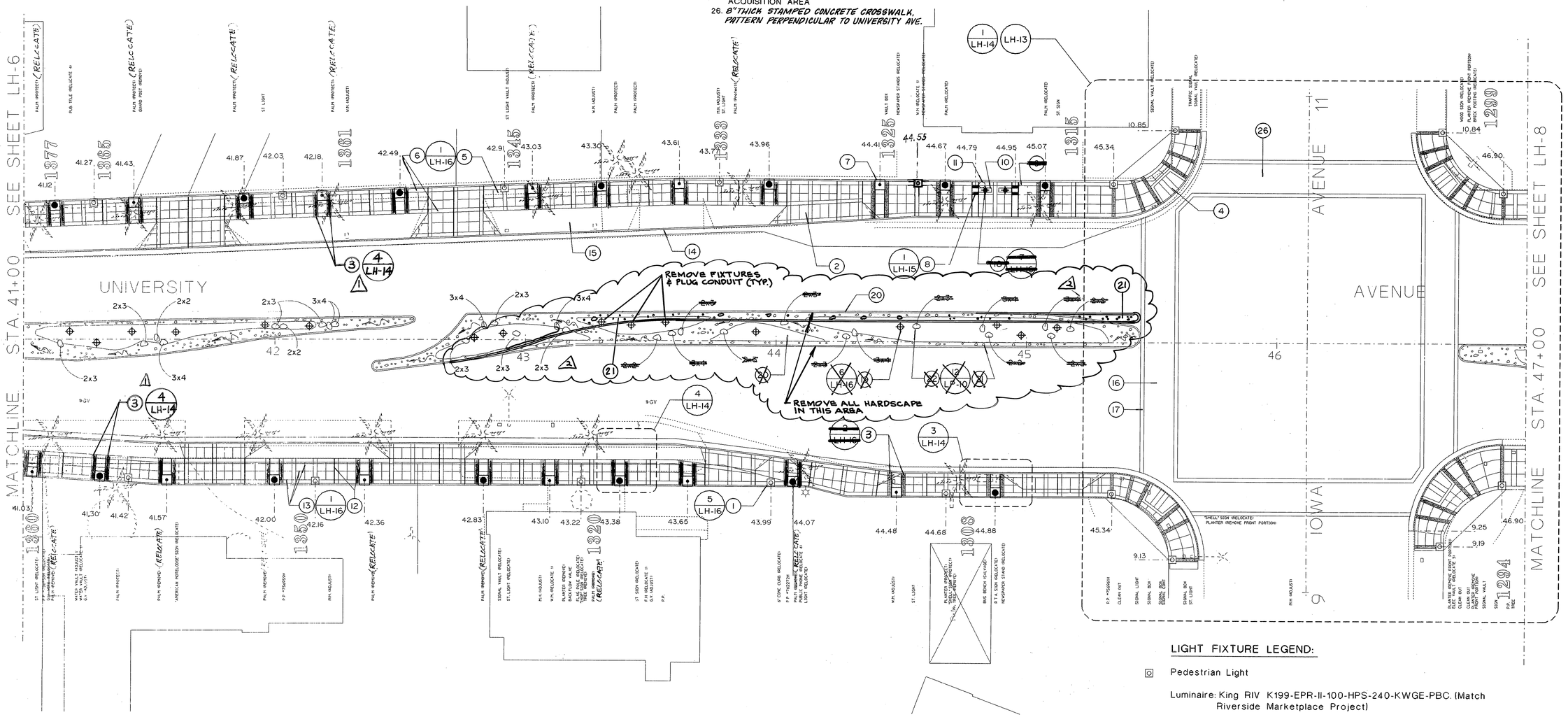
6/25/07

20. MEDIAN ISLAND CONCRETE CURB PER CITY OF RIVERSIDE PUBLIC WORKS STANDARD DETAIL
21. 3" TO 6" SALT RIVER ROCK SET IN MORTAR BED
22. WHITE WATER MOUNTAIN ROCK, SIZE VARIES PER PLAN, HEIGHT MATCHES THE SMALLER OF THE WIDTH AND LENGTH DIMENSION OF THE ROCK
23. 3 FEET DIAMETER TREEWELL IN RIVER ROCK STREAM BED
24. MEDIAN ISLAND LANDSCAPE AREA
25. ADDITIONAL LANDSCAPE EASEMENT ACQUISITION AREA
26. *8"THICK STAMPED CONCRETE CROSSWALK, PATTERN PERPENDICULAR TO UNIVERSITY AVE.*

10. ~~X~~ 4.5 FEET METAL BENCH
11. METAL TRASH UNIT
12. EXPANSION JOINT
13. TOOLED SCORE JOINT
14. CONCRETE CURB AND GUTTER PER CITY OF RIVERSIDE PUBLIC WORKS
15. LANDSCAPE PARKWAY
16. *8"THICK STAMPED CONCRETE* CROSSWALK
17. *16* INCHES WIDE CONCRETE BANDING
18. ~~CUSTOM BELL SHAPED LUMINAIRE AT BUS SHELTER~~
19. MEDIAN ISLAND TREE UPLIGHT

KEYNOTES:

1. PEDESTRIAN LIGHT
2. DRIVEWAY APPROACHES PER CITY OF RIVERSIDE PUBLIC WORKS
3. *16"WIDE, 4"THICK STAMPED CONCRETE BANDING.*
4. CURB RAMP PER CITY OF RIVERSIDE PUBLIC WORKS STANDARD DETAIL
5. NATURAL GREY CONCRETE SIDEWALK WITH LIGHT TO MEDIUM BROOM FINISH
6. NATURAL GREY CONCRETE BANDING WITH SMOOTH WOOD FLOAT FINISH
7. 4 FEET SQUARE TREEWELL
8. BUS SHELTER STRUCTURE COLUMNS
9. ~~PLANTER POT~~



LIGHT FIXTURE LEGEND:

Pedestrian Light

Luminaire: King RIV K199-EPR-II-100-HPS-240-KWGE-PBC. (Match Riverside Marketplace Project)

Pole: Ameron Pole Products "The Corsican", model no. 20CT15, color 853 w/graffiti-resistant coatings. (Match Riverside Marketplace Project.)

Median Island Tree Uplight

Hydrel 9300L A MH70/~~240~~V/JBA-01 or equivalent.

~~Custom Bell Shaped Luminaire.~~

~~50 W. MH./120V.~~

~~Contact: Stella Bustos at CLS (213) 735-5555, ext. 241~~

INDEXED 5/48 SD

REGISTERED PROFESSIONAL ENGINEER DUANE K. GREENWOOD No. 43965 Exp. 6-30-07 CIVIL STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER No. 43965 Exp. Oct. 08 CIVIL STATE OF CALIFORNIA

N HARDSCAPE PLAN

REGISTERED ARCHITECT KI SUH PARK C 4549 STATE OF CALIFORNIA

GRUEN ASSOCIATES
6330 San Vicente Blvd., Los Angeles, CA 90048 (213) 937-4270

REGISTERED LANDSCAPE ARCHITECT FREDERICK STEVEN ABELSON LIC. NO. 3524 9/30/96 Date STATE OF CALIFORNIA

LANDSCAPE ARCHITECT
RICK ABELSON
R.L.A. No. 3524 expires 9/30/96
DATE

MARK	REVISIONS	APPR.	DATE
3	CONTRACT WORK-REVISE MEDIAN	RA	6/16/97
2	ADD SIDEWALK BANDING	RA	10/11/95

DESIGNED BY R.A. DRAWN BY F.C. CHECKED BY T.M.

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

	APPROVED BY	DATE
DEPUTY P.W. DIRECTOR	[illegible]	6/16/97
PRINCIPAL ENGINEER	RA	6/16/97
CHIEF P.W. INSPECTOR	RA	6/16/97
TRAFFIC DIVISION		
SURVEYOR	[illegible]	5/16/97
STREET DIVISION		
PARKS DEPARTMENT	[illegible]	5/16/97

APPROVED BY
CITY ENGINEER
DATE 6/22/97

UNIVERSITY AVENUE WIDENING
FROM OTTAWA AVENUE TO IOWA AVENUE
HORIZ. SCALE: 1" = 20'

R-3271A
LH-7A
SHEET ____ OF ____

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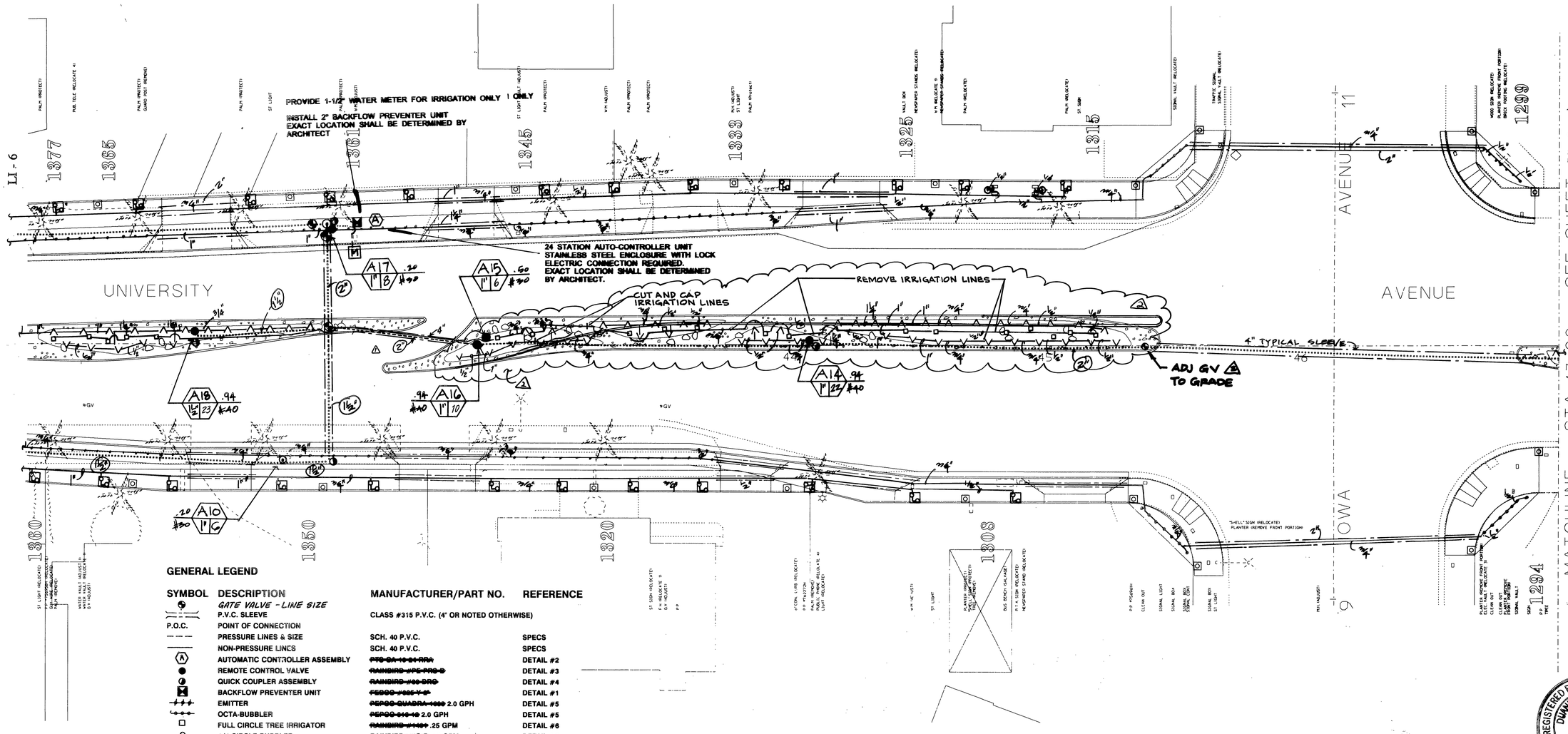
User: None hsca08



GENERAL LEGEND

SYMBOL	DESCRIPTION	MANUFACTURER/PART NO.	REFERENCE
	GATE VALVE - LINE SIZE		
	P.V.C. SLEEVE	CLASS #315 P.V.C. (4" OR NOTED OTHERWISE)	
P.O.C.	POINT OF CONNECTION		
	PRESSURE LINES & SIZE	SCH. 40 P.V.C.	SPECS
	NON-PRESSURE LINES	SCH. 40 P.V.C.	SPECS
A	AUTOMATIC CONTROLLER ASSEMBLY	~~PTC-GA-10-24-RRA~~	DETAIL #2
	REMOTE CONTROL VALVE	~~RAINBIRD #PE-PRG-D~~	DETAIL #3
	QUICK COUPLER ASSEMBLY	~~RAINBIRD #30-DRG~~	DETAIL #4
	BACKFLOW PREVENTER UNIT	~~FEBCO #825-Y-6~~	DETAIL #1
	EMITTER	~~PEPCO QUADRA-1000~~ 2.0 GPH	DETAIL #5
	OCTA-BUBBLER	~~PEPCO 010-10~~ 2.0 GPH	DETAIL #5
	FULL CIRCLE TREE IRRIGATOR	~~RAINBIRD #1401~~ .25 GPM	DETAIL #6
	1/4 CIRCLE BUBBLER	~~RAINBIRD #5Q-D~~ .50 GPM	DETAIL #6
	1/4 CIRCLE LAWN SPRAY HDS	~~RAINBIRD #1004-10LA-Q~~ 9'R .39 GPM	DETAIL #
	1/2 CIRCLE LAWN SPRAY HDS	~~RAINBIRD #1004-10LA-H~~ 9'R .78 GPM	DETAIL #7
X	FULL CIRCLE FLAT SHRUB SPRAY HDS	~~RAINBIRD #1000-9FLT-F~~ 8'R 1.4 GPM	DETAIL #7
V	1/2 CIRCLE FLAT SHRUB SPRAY HDS	~~RAINBIRD #1000-9FLT-Q~~ 8'R .72 GPM	DETAIL #7
▽	1/4 CIRCLE FLAT SHRUB SPRAY HDS	~~RAINBIRD #1000-9FLT-Q~~ 8'R .36 GPM	DETAIL #7
	FILTER AND PRESS REGULATOR	~~PEPCO #PFPV-04-PR-201 - R.G.V.~~	DETAIL #8

DENOTES SEQUENCE NUMBER AT CONTROLLER
GALLONS PER MINUTE
VALVE SIZE
DESIGN PSI AT CONTROL VALVE
PRECIPITATION RATE OF SYSTEM

ALL HEADS SHALL HAVE A CHECK VALVE

REGISTERED PROFESSIONAL ENGINEER DUANE K. GREENWOOD No. 43965 Exp. 6/30/97 CIVIL STATE OF CALIFORNIA

Duane K. Greenwood 5/16/95

P. Hannan 6/25/07

IRRIGATION CONSULTANTS GROUP
569 S. MARENGO AVENUE
PASADENA, CA 91101
(818) 792-1870 FAX (818) 792-2574

INDEXED 5/98 CD

N

IRRIGATION PLAN

REGISTERED ARCHITECT KI SUH PARK C 4549 STATE OF CALIFORNIA

GRUEN ASSOCIATES
6330 San Vicente Blvd., Los Angeles, CA 90048 (213) 937-4270

REGISTERED LANDSCAPE ARCHITECT FREDERICK STEVEN ABELSON LIC. NO. 3524 9/30/96 Date STATE OF CALIFORNIA

LANDSCAPE ARCHITECT
RICK ABELSON
R.L.A. No. 3524 expires 9/30/96
DATE

MARK	REVISIONS	APPR	DATE
2	CONTRACT WORK - REVISE MEDIAN		6/26/07
1	REVISED IRRIGATION TO ACCOMMODATE MEDIAN OPENING.		5/10/96

DESIGNED BY P.H. DRAWN BY P.H. CHECKED BY

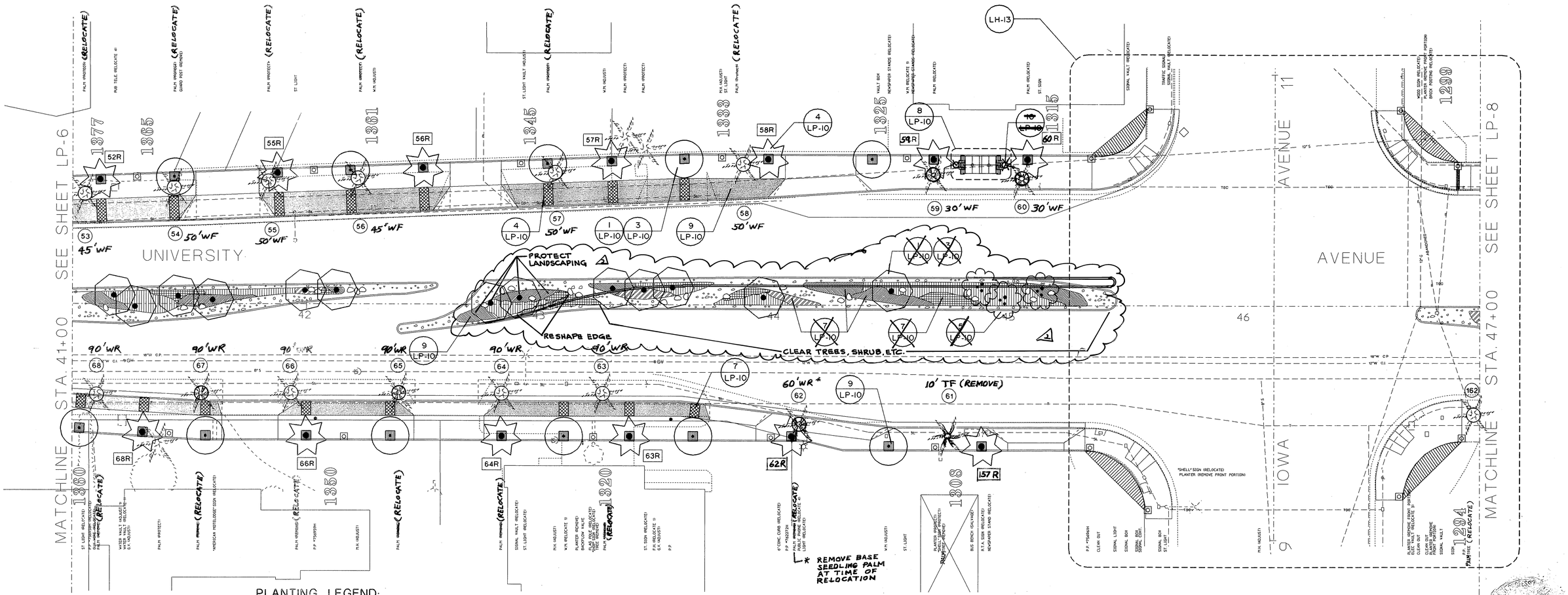
CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE
DEPUTY P.W. DIRECTOR		6/26/95
PRINCIPAL ENGINEER		6/26/95
CHIEF P.W. INSPECTOR		6/6/95
TRAFFIC DIVISION		
SURVEYOR		
STREET DIVISION		
PARKS DEPARTMENT		5/31/95

APPROVED BY:
CITY ENGINEER
DATE 6/27/07

UNIVERSITY AVENUE WIDENING
FROM OTTAWA AVENUE TO IOWA AVENUE
HORIZ SCALE: 1" = 20'

R-3271A
LI-7A
SHEET ___ OF ___



PLANTING LEGEND:

00R
(relocated) (new)

Street Tree

Washingtonia filifera -(WF) (California Fan Palm) or Washingtonia robusta-(WR) (Mexican Fan Palm).

Palms are either relocated (see code at left) or new Washingtonia filiferas.

All new Washingtonia filiferas to be 32' brown trunk height minimum to match existing.

Contractor to verify new palm heights prior to planting.

13 required (13 relocated, 0 new)

Koelreuteria bipinnata
Chinese Flame Tree
36" Box, Matched Standard.
11 required

Existing Palm Tree (WF/WR)
(Washingtonia filifera and/or Washingtonia robusta) to remain

Existing Palm Tree (WF/WR)
(Washingtonia filifera and/or Washingtonia robusta) to be relocated on University Ave.

Existing Palm Tree to be relocated to other parts of the city per Dept. of Parks and Recreation. NONE REQUIRED.

TF (Trachycarpus Fortunei) (REMOVE) (61)

Corner Accent Shrub

Leptospermum Scoparium
'Nanum Tui'
Dwarf New Zealand Tea Tree
5 gal at 24" o.c.
184 required

Treewell Shrub

Liriope muscari
Big Blue Lily Turf
1 gal at 12" o.c.
240 required

Parkway Accent Shrub

Moraea bicolor
Fortnight Lily
5 gal at 18" o.c.
248 required

Parkway Groundcover

Rosmarinus officinalis
'Lockwood de Forest'
Dwarf Rosemary
1 gal at 18" o.c.
1380 required

Lawn

Marathon II
Improved Tall Fescue SOD
Contractor to compute quantity

Bus Shelter Vine

Parthenocissus tricuspidata
Boston Ivy
5 gal (2 per column)
8 required

~~Planter Pot~~

~~Phormium tenax 'Sundowner'~~
~~New Zealand Flax~~
~~5 gal (3 per pot)~~
~~6 required~~

Median Island Tree

Lagerstroemia indica 'Tuscarora'
Crape Myrtle
36" Box, multi-trunk
3 required

Maytenus Boaria
Mayten Tree
36" Box, standard
13 required

Median Island Shrub and Groundcover

Moraea Bicolor
Fortnight Lily
1 gal at 18" o.c.
175 required

Lavandula augustifolia
English Lavender
5 gal at 24" o.c.
94 required

Raphiolepis indica 'Pink Cloud'
India Hawthorne
5 gal at 24" o.c.
61 required

Agapanthus 'Peter Pan'
Lily of the Nile
1 gal at 12" o.c.
564 required

Myoporum parvifolium
NCN
Flats at 12" o.c.
sq. ft. information: 1284 sf

3" to 6" Salt River Rock
Set in Mortar Bed
sq. ft. information: 2424 sf

White Water Mountain Rock
size varies per plan, height matches the smaller of the width and length dimension of the rock.
28 required

N PLANTING PLAN

REGISTERED ARCHITECT KI SUH PARK C 4549 STATE OF CALIFORNIA

GRUEN ASSOCIATES
6330 San Vicente Blvd., Los Angeles, CA 90048 (213) 937-4270

REGISTERED LANDSCAPE ARCHITECT FREDERICK STEVEN ABELSON LIC. NO. 3524 9/30/96 Date STATE OF CALIFORNIA

LANDSCAPE ARCHITECT
RICK ABELSON
R.L.A. No. 3524 expires 9/30/96
DATE

MARK	REVISIONS	APPR.	DATE
4	CONTRACT WORK-REVISE MEDIAN	RA	6-26-07

DESIGNED BY R.A. DRAWN BY F.C. CHECKED BY T.M.

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE
DEPUTY P.W. DIRECTOR	[illegible]	6/26/07
PRINCIPAL ENGINEER	RA	6/27/07
CHIEF P.W. INSPECTOR	[illegible]	6/26/07
TRAFFIC DIVISION		
SURVEYOR		
STREET DIVISION		
PARKS DEPARTMENT	[illegible]	6/27/07

APPROVED BY [signature] CITY ENGINEER
DATE 6/27/07

UNIVERSITY AVENUE WIDENING
FROM OTTAWA AVENUE TO IOWA AVENUE
HORIZ. SCALE: 1" = 20'

R-3271A
LP-7A
SHEET ____ OF ____

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Users Name: esc06

INDEXED 5/98 CLD

REGISTERED PROFESSIONAL ENGINEER No. 44747 Exp. 6/30/07 CIVIL STATE OF CALIFORNIA
6/15/07

REGISTERED PROFESSIONAL ENGINEER DUANE K. GREENWOOD No. 43963 Exp. 6/30/97 CIVIL STATE OF CALIFORNIA
5/16/95