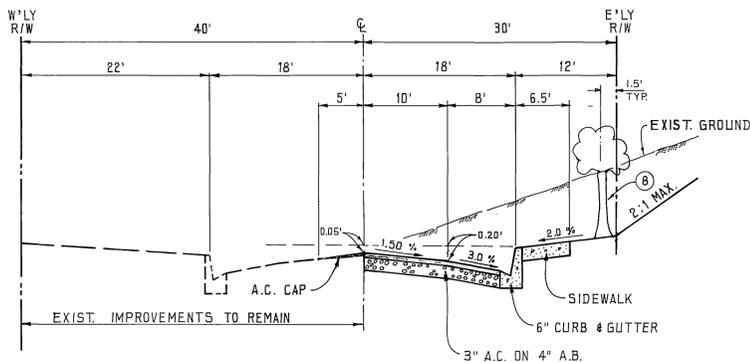


IMPROVEMENT PLANS

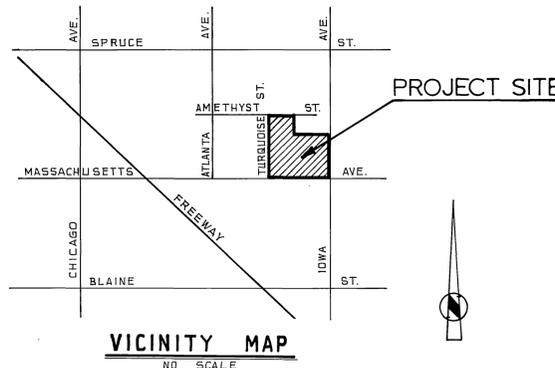
MASSACHUSETTS AVENUE FROM TURQUOISE ST. TO AMETHYST ST. TURQUOISE STREET FROM MASSACHUSETTS AVE. TO IOWA AVE.

GENERAL NOTES

- 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, AND THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1982 EDITION.
- TRIM EDGE OF EXISTING PAVEMENT WHERE NEW PAVEMENT JOINS TO A SMOOTH, STRAIGHT LINE. CONSTRUCT MATCH-UP PAVING AS SHOWN ON PLAN AND OVERLAY PAVING AS DIRECTED IN THE FIELD TO PRODUCE A SMOOTH SECTION. PRIVATE ENGINEER ESTIMATES OVERLAY TO BE 68 TONS.
- CONSTRUCT DRIVEWAY APPROACHES PER STD. DWG. 302. EXACT SIZE AND LOCATION AS SHOWN.
- CURB AND GUTTER SHALL BE STAKED WITH 3' OFFSETS AT 25' INTERVALS.
- QUANTITIES SHOWN ARE FOR INFORMATION ONLY AND THE CITY OF RIVERSIDE IS NOT RESPONSIBLE FOR THEIR ACCURACY.
- 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 INSPECTORS.
- FINAL STRIPING FOR TRAFFIC CONTROL AND/OR PAVEMENT MARKING TO BE THE RESPONSIBILITY OF THE DEVELOPER.
- STREET OPENING PERMIT FOR CONSTRUCTION AND/OR MODIFICATION OF TRAFFIC SIGNAL FACILITIES REQUIRED.
- SEE "STREET LIGHTING PLANS" FOR QUANTITY AND LOCATION OF REQUIRED STREET LIGHTS.
- ALL FLAGGED ELEVATIONS SHALL BE STAKED IN THE FIELD BY THE PRIVATE ENGINEER.
- THE SEWER CONTRACTOR SHALL ADJUST MANHOLES TO FINAL GRADE AFTER PAVING IS COMPLETED.
- 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.
- THE CONTRACTOR SHALL CALL IN A LOCATION REQUEST TO UNDERGROUND SERVICE ALERT (USA), PHONE NO. 1-800-422-4133, 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.
- THE PRIVATE ENGINEER PREPARING THESE PLANS SHALL BE RESPONSIBLE FOR PRESERVING OR RE-ESTABLISHING AND REFERENCING SURVEY MONUMENTS DESTROYED, DISTURBED OR BURIED AS A RESULT OF CONSTRUCTION SHOWN HEREON.
- ON ALL AREAS WITHIN PUBLIC RIGHT OF WAY WHERE THE FILL IS ONE (1) FOOT OR GREATER, A LETTER WILL BE REQUIRED FROM THE SOILS ENGINEER, CERTIFYING THE COMPACTION OF THE FILL BELOW SUBGRADE, PRIOR TO ISSUANCE OF THE CONSTRUCTION PERMIT/CUT SHEETS.
- RELOCATION OF THE FLASHING BECON SHALL BE IN ACCORDANCE TO THE PROVISIONS OF SECTION 86 OF THE MOST CURRENT STANDARD SPECIFICATIONS AS PUBLISHED BY THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION.
- DEVELOPER TO CHECK WITH THE U.S.P.S. FOR THE NUMBER AND LOCATION OF MAILBOXES.



TURQUOISE STREET
NO SCALE
R-VALUE = 38 T.I. = 5



CONSTRUCTION NOTES AND QUANTITIES

1	CONST. 3" A.C. ON 7" CRUSHED A.B. PER S.R. 1216, R=38	5,523	S.F.
2	CONST. 6" CURB & GUTTER PER CITY STD. 200	1,162	L.F.
3	CONST. SIDEWALK PER CITY STD. 325	7,330	S.F.
4	CONST. DRIVEWAY PER CITY STD. 302, TYPE B A=24 B=38	1,038	S.F.
5	CONST. GROSS GUTTER PER CITY STD. 220, W=6' (INCLUDING CURB & SPANDRAL)	386	S.F.
6	CONST. WHEELCHAIR RAMP	2	EA.
7	CONST. VARIABLE THICKNESS A.C. CAP	12,383	S.F.
8	INSTALL STREET TREES PER CITY PARK & RECREATION DEPT. STANDARDS (ERYTHEA EDULIS/GUADALUPE PALM - 4' OF BROWN TRUNK)	26	EA.
9	INSTALL STREET LIGHTS & APPURTENANCES PER CITY PLAN		
10	CONST. 3" A.C. ON 4" CRUSHED A.B. PER S.R. 1216, R=38	9,817	S.F.
11	CONST. UNDER SIDEWALK DRAIN PER CITY STD. 411	3	EA.
12	CONST. CURB OUTLET PER CITY STD. 410, "W" PER PLAN	1	EA.
13	CONST. VARIOUS CURB FACE (6" TO 8 1/2")	69	L.F.
14	CONST. 4" C.I.P. CURB DRAIN	13	L.F.
15	INSTALL R-26 & R-81 SIGN ON EXIST R-26 SIGN POST ON WEST SIDE OF IOWA STA. 43+39	1	EA.
16	INSTALL R-26 & R-81 SIGN & POST ON WEST SIDE OF IOWA STA. 41+54, 4 ON NORTH SIDE OF MASSACHUSETTS AVE. STA. 20+15, 21+60, 23+20 & 25+10 PER CITY STD. 666.	5	EA.
17	INSTALL 6" SOLID WIDE STRIPE 5' EAST OF CURB FACE ON WEST SIDE OF IOWA AVE. STA. 40+34 TO 44+56 & 5' SOUTH OF CURB FACE ON NORTH SIDE OF MASSACHUSETTS AVE. STA. 19+60 TO 25+50.	1012	L.F.

DISPOSITION NOTES AND QUANTITIES

1	TO BE RELOCATED BY OTHERS		
2	TO BE REMOVED BY OTHERS		
3	REMOVE		
4	PROTECT IN PLACE		
5	ADJUST TO GRADE		
6	RELOCATE		
7	SAWCUT AND REMOVE EXIST PAVEMENT	3,133	S.F.
8	REMOVE EXIST A.C. BERM	50	L.F.
9	REMOVE EXIST CONC. BOX & PLUG END WITH BRICK & MORTAR	66	L.F.
10	SAWCUT & REMOVE EXIST CONC. SIDEWALK	200	S.F.

NOTICE TO CONTRACTOR

THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THIS PLAN ARE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE THERE ARE NO EXISTING UTILITIES EXCEPT AS SHOWN ON THESE PLANS. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN AND ANY OTHER LINES OR STRUCTURES NOT OF RECORD OR NOT SHOWN ON THESE DRAWINGS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE OWNERS OF THE UTILITIES OR STRUCTURES CONCERNED BEFORE STARTING WORK. THE CONTRACTOR, FURTHER ASSUMES ALL LIABILITY AND RESPONSIBILITY FOR THE UNDERGROUND UTILITY PIPES, CONDUITS, AND STRUCTURES SHOWN OR NOT SHOWN ON THESE DRAWINGS.

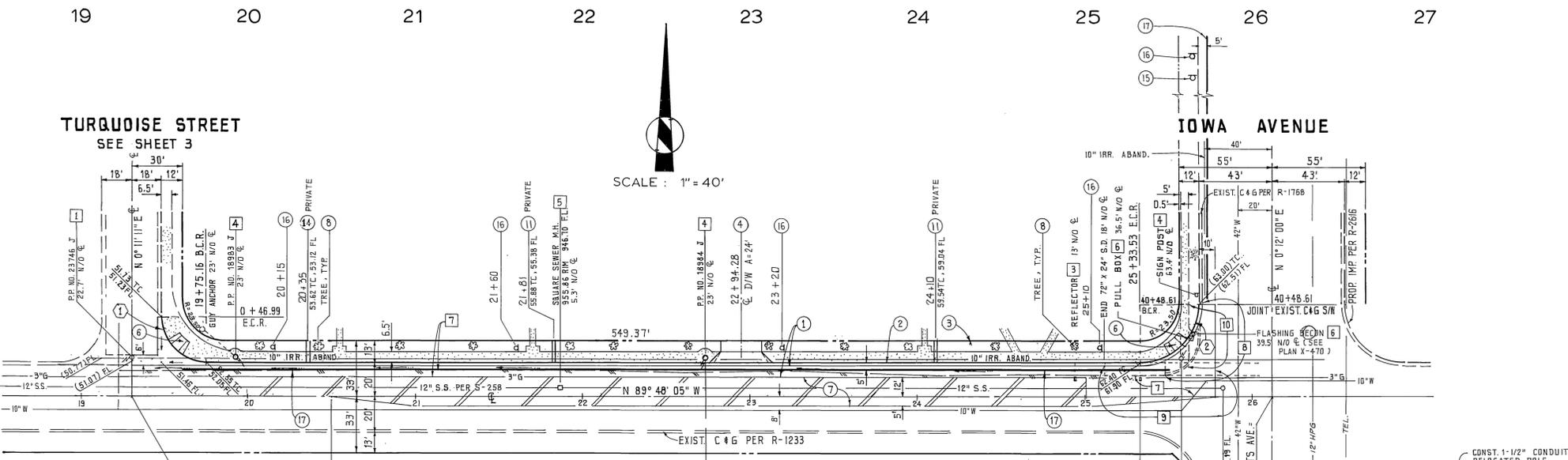
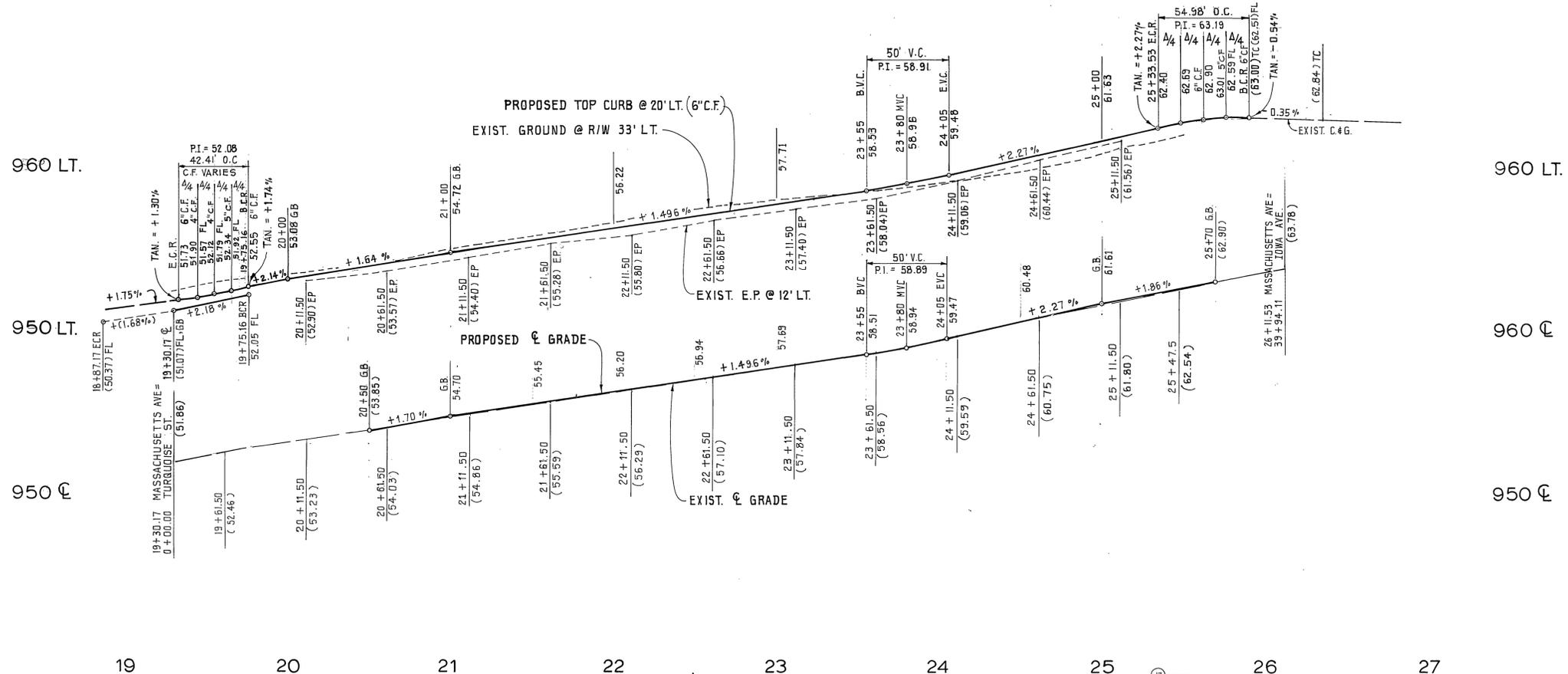
ALL CONTRACTORS AND SUBCONTRACTORS PERFORMING WORK SHOWN ON OR RELATED TO THESE PLANS SHALL CONDUCT THEIR OPERATIONS SO THAT ALL EMPLOYEES ARE PROVIDED A SAFE PLACE TO WORK AND THE PUBLIC IS PROTECTED. ALL CONTRACTORS AND SUBCONTRACTORS SHALL COMPLY WITH THE "OCCUPATIONAL SAFETY AND HEALTH REGULATION" OF THE U.S. DEPARTMENT OF LABOR, AND WITH THE STATE OF CALIFORNIA DEPARTMENT OF INDUSTRIAL RELATIONS' "CONSTRUCTION SAFETY ORDERS."

THE CIVIL ENGINEER SHALL NOT BE RESPONSIBLE IN ANY WAY FOR THE CONTRACTORS' AND SUBCONTRACTORS' COMPLIANCE WITH THE "OCCUPATIONAL SAFETY AND HEALTH REGULATIONS" OF THE U.S. DEPARTMENT OF LABOR OR WITH THE STATE OF CALIFORNIA DEPARTMENT OF INDUSTRIAL RELATIONS' "CONSTRUCTION SAFETY ORDERS."

CONTRACTOR FURTHER AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.

* As built 7-28-86

BENCH MARK 17-E P.K. NAIL AND TAG IN CONCRETE BASE OF STREET LIGHT ON NORTHEAST CORNER OF CHICAGO AVENUE AND SPRUCE STREET F.B. 847/7 ELEV. = 910.371	BOYER ENGINEERING CO. 2950 AIRWAY AVE., SUITE B-2 COSTA MESA, CA. 92626 (714) 966-0808 DELBERT D. BOYER R.C.E.	13542 R.C.E.	CITY OF RIVERSIDE PUBLIC WORKS DEPARTMENT		PRD-16-834 TITLE SHEET NORTHWEST CORNER OF MASSACHUSETTS AVE. AND IOWA AVE. HORIZ. SCALE: 1" = VERT. SCALE: 1" =	ACCOUNT NO. R-2690 SHEET 1 OF 3
			APPROVED BY: <i>W.D. Boyer</i> PRINCIPAL ENGINEER DATE: 6/20/85 PARK DEPARTMENT	APPROVED BY: <i>William D. Boyer</i> PUBLIC WORKS DIRECTOR DATE: June 20, 1985		
DESIGNED BY: REP. DRAWN BY: PS CHECKED BY: REP.			CHIEF P.W. ENGINEER: <i>W.D. Boyer</i>			



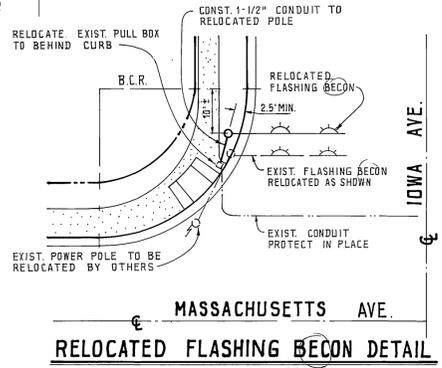
19+30.17 MASSACHUSETTS AVE =
 0+00.00 TURQUOISE ST.

CURB DATA

Δ	R	L	T	
①	89° 59' 16"	27.00'	42.41'	26.99'
②	89° 59' 55"	35.00'	54.96'	35.00'

- CONSTRUCTION NOTES**
- CONST. 3" A.C. ON 7" CRUSHED A.B. PER S.R. 121G, R=38
 - CONST. 6" CURB & GUTTER PER CITY STD. 200
 - CONST. SIDEWALK PER CITY STD. 325
 - CONST. DRIVEWAY PER CITY STD. 302, TYPE B A=24' B=36'
 - CONST. CROSS GUTTER PER CITY STD. 220, W=6" (INCLUDING CURB & SPANDRAL)
 - CONST. WHEELCHAIR RAMP PER CITY STD. 304
 - CONST. VARIABLE THICKNESS A.C. CAP
 - INSTALL STREET TREES PER CITY PARK & RECREATION DEPT. STANDARDS (ERYTHEA EDULIS / GUADULUPE PALM - 4" OF BROWN TRUNK)
 - CONST. UNDER. SIDEWALK DRAIN PER CITY STD. 411
 - CONST. 4" C.I.P. CURB DRAIN
 - INSTALL R-81 SIGN ON EXIST. R-26 SIGN POST ON WEST SIDE OF IOWA AVE. STA. 43+39
 - INSTALL R-26 & R-81 SIGN AND POST ON WEST SIDE OF IOWA AVE. STA. 41+54, AND ON NORTH SIDE OF MASSACHUSETTS AVE. STA. 20+15, 21+60, 23+20 AND 25+10, PER CITY STD. 666
 - INSTALL 6" SOLID WIDE STRIPE 5' EAST OF CURB FACE ON WEST SIDE OF IOWA AVE., STA. 40+34 TO 44+56, AND 5' SOUTH OF CURB FACE ON NORTH SIDE OF MASSACHUSETTS AVE., STA. 19+60 TO 25+50

- DISPOSITION NOTES**
- TO BE RELOCATED BY OTHERS
 - REMOVE
 - PROTECT IN PLACE
 - ADJUST TO GRADE
 - RELOCATE - SEE FLASHING BECON DETAIL THIS SHEET
 - SAWCUT AND REMOVE EXIST. PAVEMENT
 - REMOVE EXIST. A.C. BERM
 - REMOVE EXIST. CONC. BOX & PLUG END WITH BRICK & MOTAR
 - SAWCUT & REMOVE EXIST. CONCRETE SIDEWALK



GAS CO. E.P. Hader 4-3-85	TELEPHONE John Johnson 4-3-85	CABLE T.V. (FALCON) Harry Clark 4-10-85	CITY OF RIVERSIDE WATER SYSTEM Dan P. Pank 4-1-85 APPROVED DATE	ELECTRICAL John Johnson 4/3/85	BENCH MARK 17" E. P.K. NAIL AND TAG IN CONCRETE BASE OF STREET LIGHT ON NORTHEAST CORNER OF CHICAGO AVENUE AND SPRUCE STREET F.B. 847/7 ELEV. = 910.371	BOYER ENGINEERING CO. 2950 AIRWAY AVE. SUITE B-2 COSTA MESA, CA. 92626 (714) 966-0808 Delbert D. Boyer 13542 R.I.E.
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4/23/85 William D. Gardner
 4-23-85
 4/29/85 wlc
 JUNE 20, 1985

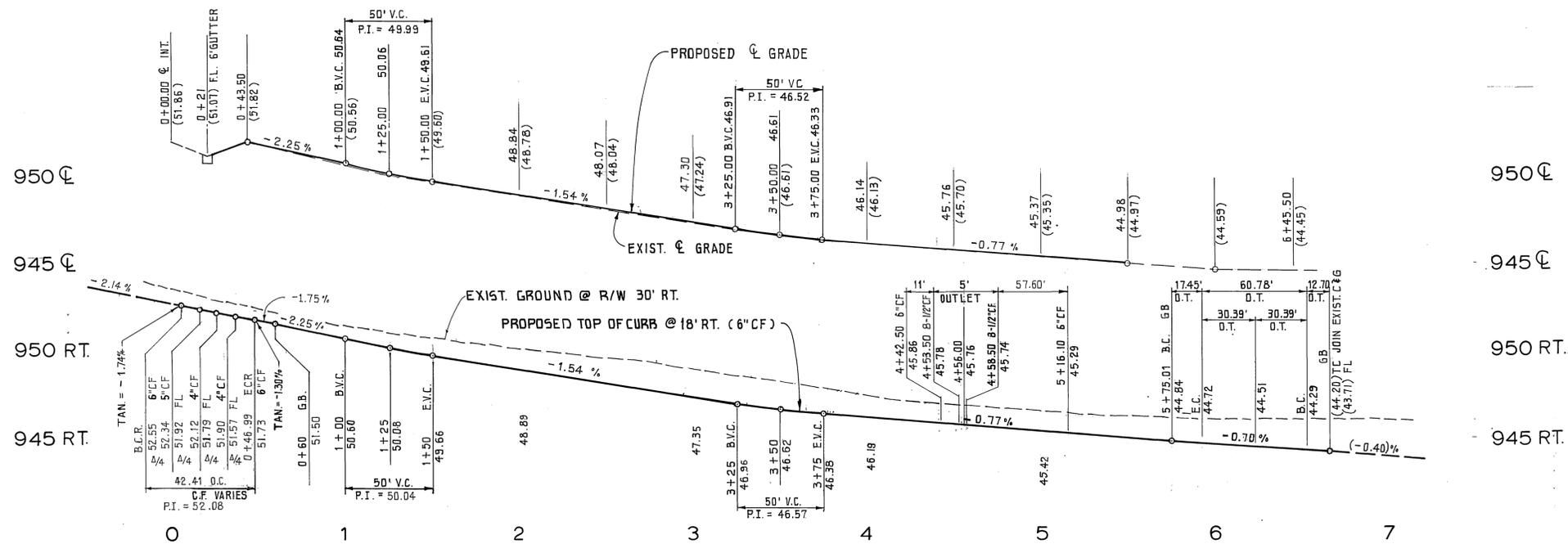
*As built 7-28-86 TC

INDEX UP

STREET PLAN & PROFILE
MASSACHUSETTS AVENUE
 NORTH SIDE
 FROM TURQUOISE STREET
 TO IOWA AVENUE
 PRD-16-834
 40'

R-2690

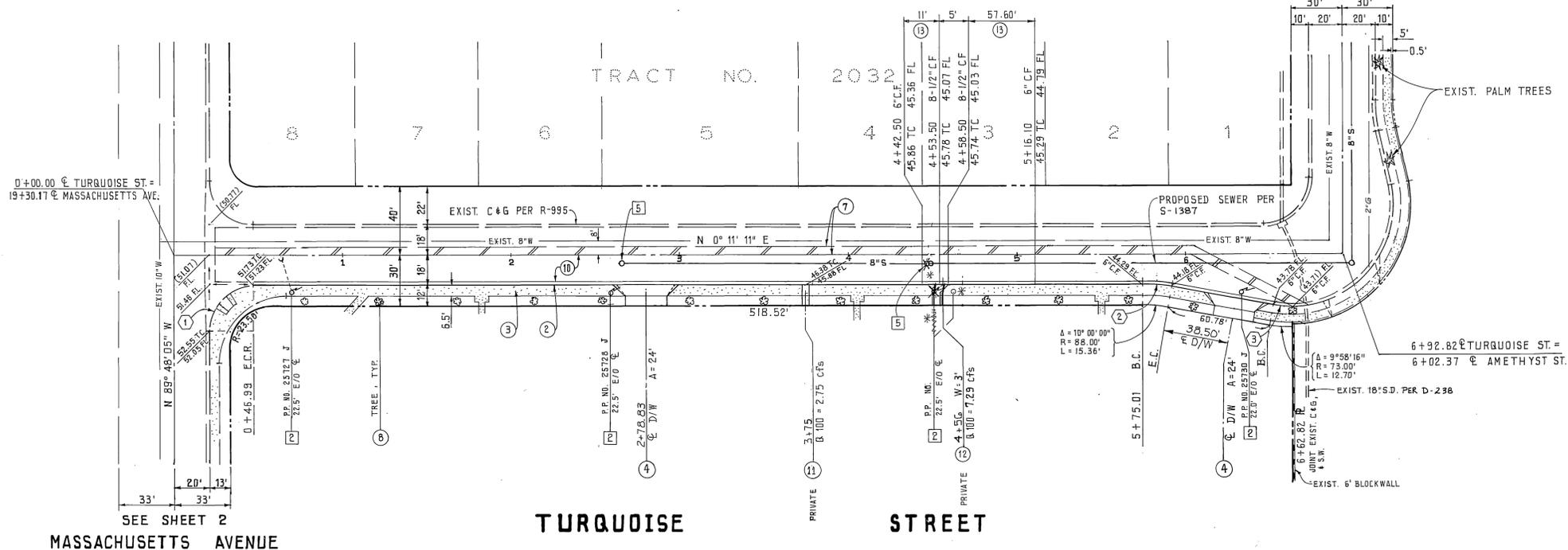
2 3



CONSTRUCTION NOTES

- ② - CONST. 6" CURB & GUTTER PER CITY STD. 200
- ③ - CONST. SIDEWALK PER CITY STD. 325
- ④ - CONST. DRIVEWAY PER CITY STD 302, TYPE B A=24 B=38
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- ⑫ - CONST. CURB OUTLET PER CITY STD. 410 "W" PER PLAN.
- ⑬ - CONST. VARIOUS CURB FACE (C' TO 8 1/2")
- ⑪ - CONST. UNDER SIDEWALK DRAIN PER CITY STD. 411.

AMETHYST STREET
SEE PLAN R-1619 SHT. 4



DISPOSITION NOTES

- ② - TO BE REMOVED BY OTHERS
- ⑤ - ADJUST TO GRADE

	Δ	R	L	T
①	89° 59' 16"	27.00'	42.41'	26.99'
②	10° 00' 00"	100.00'	17.45'	8.75'
③	9° 58' 16"	61.00'	10.62'	5.32'

CITY OF RIVERSIDE WATER SYSTEM

BENCH MARK
17" E P.K. NAIL AND TAG IN CONCRETE
BASE OF STREET LIGHT ON NORTHEAST
CORNER OF CHICAGO AVENUE AND
SPRUCE STREET F.B. 8477/7

Delbert D. Boyer
APPROVED DATE: 4-1-85

ELEV. = 910.371

BOYER ENGINEERING CO.
2950 AIRWAY AVE. SUITE B-2
COSTA MESA, CA. 92626
(714) 966-0808

Delbert D. Boyer
13542
R.C.E.

AS BUILT 7.20.85

INDEX W/F

STREET PLAN & PROFILE
TURQUOISE STREET
EAST SIDE
FROM MASSACHUSETTS AVENUE
TO AMETHYST STREET
PRD-16-834

9/21/85 WJK
JUNE 20, 1985

40'

3 3

JN 460