

STREET IMPROVEMENT PLANS

LA SIERRA COMMUTER RAIL STATION

INDIANA AVENUE

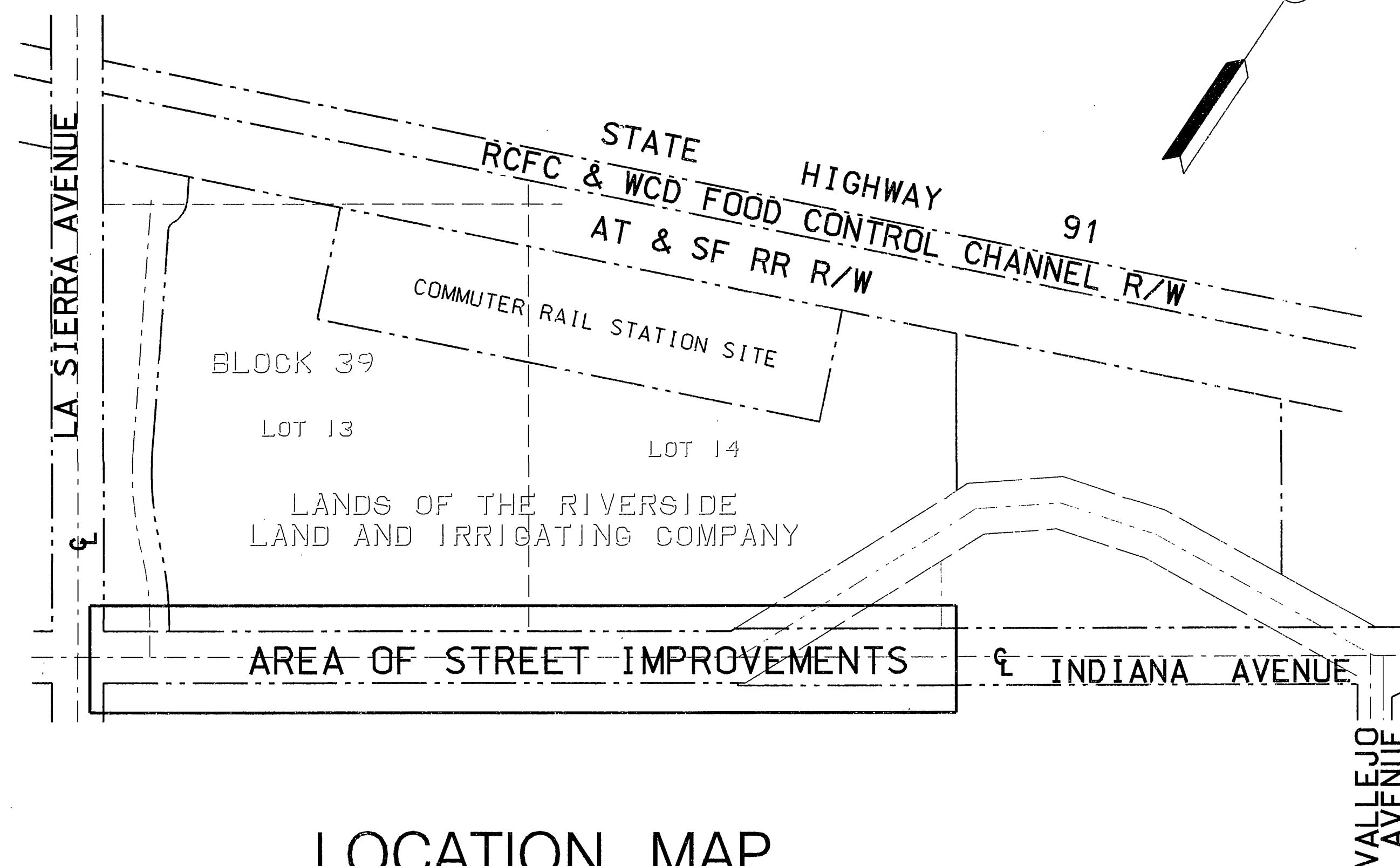
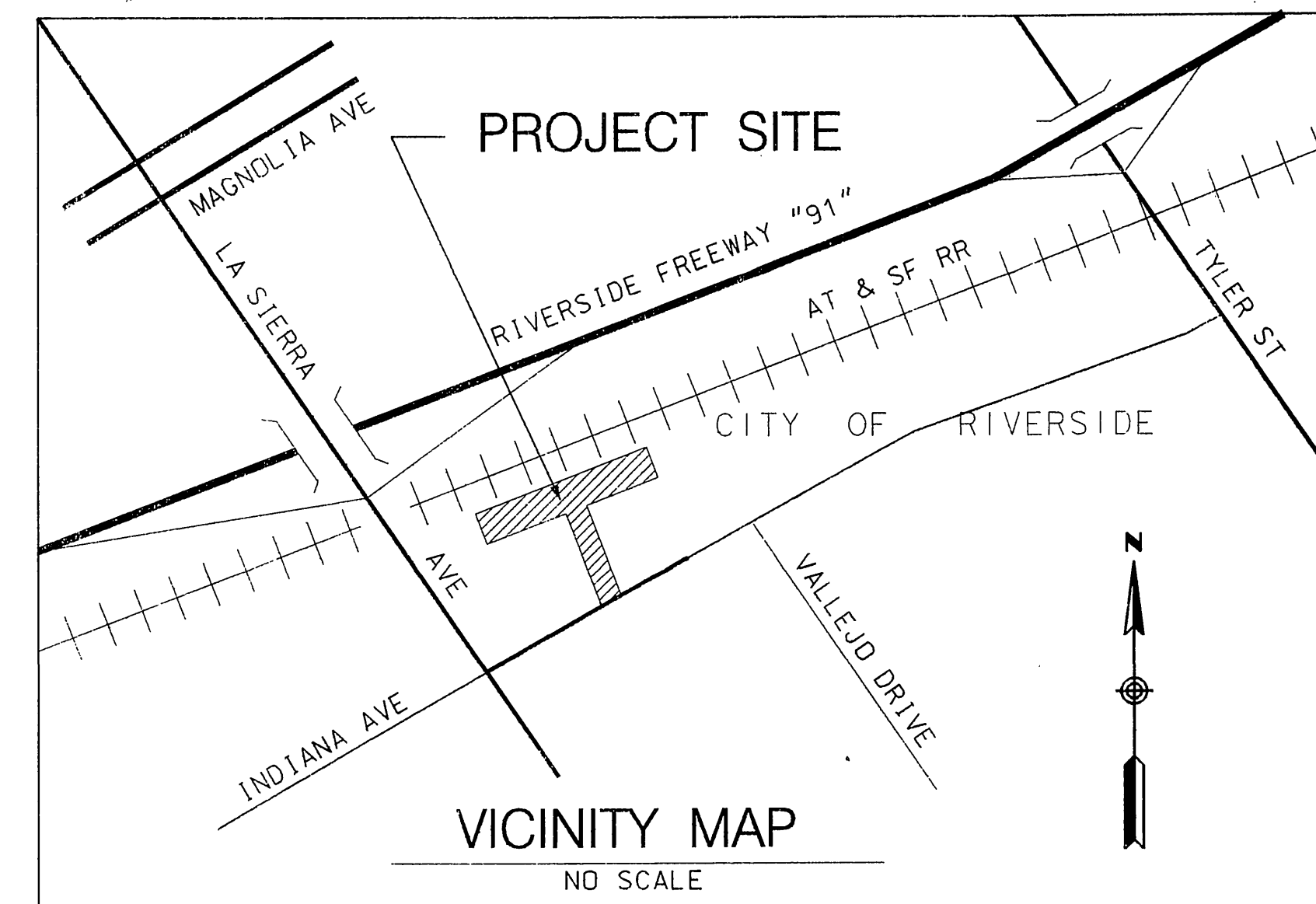
CITY OF RIVERSIDE, CALIFORNIA

GENERAL NOTES

1. 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.
2. CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF RIVERSIDE DEPARTMENT OF PUBLIC WORKS, STANDARD DRAWINGS, STANDARD DRAWING NO. 10 AND THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, CURRENT EDITION.
3. 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.
4. QUANTITIES SHOWN ARE FOR INFORMATION ONLY AND THE CITY OF RIVERSIDE IS NOT RESPONSIBLE FOR THEIR ACCURACY.
5. 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.
6. ALL FLAGGED ELEVATIONS SHALL BE STAKED IN THE FIELD BY THE PRIVATE ENGINEER.
7. 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.
8. 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.
9. STREET OPENING PERMIT FOR CONSTRUCTION AND/OR MODIFICATION OF TRAFFIC SIGNAL FACILITIES IS REQUIRED.
10. ALL TRAFFIC SIGNS SHALL BE INSTALLED PRIOR TO OPENING THE STREETS TO TRAFFIC.
11. 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.
12. STREET IMPROVEMENT WORK THAT WILL CAUSE DAMAGE TO THE DETECTOR LOOP(S) SHALL NOT BE PERFORMED UNTIL TRAFFIC SIGNAL MAINTENANCE PERSONNEL HAVE BEEN NOTIFIED AND THE NECESSARY TIMING ADJUSTMENTS MADE TO MAINTAIN SIGNAL OPERATION.
13. THE CONTRACTOR SHALL CALL IN A LOCATION REQUEST TO UNDERGROUND SERVICE ALERT (USA), PHONE # 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.
14. IN PAVEMENT OVERLAY AREAS, DISTRESSED EXISTING PAVEMENT SHALL BE REMOVED AND REPLACED AS DIRECTED BY THE INSPECTOR PRIOR TO OVERLAYING WITH A.C. PAVING.
15. FINAL STRIPING FOR TRAFFIC CONTROL AND/OR PAVEMENT MARKING TO BE THE RESPONSIBILITY OF THE DEVELOPER.

STREET CONSTRUCTION NOTES QUANTITIES

①	ROADWAY EXCAVATION	247 CY
②	ROADWAY FILL	543 CY
NOTE: ALL QUANTITIES ARE RAW NUMBERS		
③	CONSTRUCT 4" A.C. PAVEMENT OVER 13" OF CRUSHED AGGREGATE BASE PER SR1494; R-VALUE = 35.	11000 SF
④	TRIM EXISTING A.C. PAVEMENT TO A SMOOTH, STRAIGHT LINE	1230 LF
⑤	EXTEND EXISTING 30" RCP (D-1500)	16 LF
⑥	EXTEND EXISTING 15" CMP	22 LF
⑦	CONSTRUCT 6" AC BERM (TYPE 1) PER CITY OF RIVERSIDE STD. DWG. NO. 250	167 LF
⑧	CONSTRUCT 4" CRUSHED BASE (SHOULDER)	7640 SF
⑨	REMOVE EXISTING WEIR BOX	2 EA
⑩	RELOCATE EXISTING TRAFFIC SIGNAL BOX	1 EA
⑪	INSTALL 2" X 4" REDWOOD HEADER	992 LF



PUBLIC UTILITY COMPANIES/AGENCIES

THE FOLLOWING COMPANIES AND AGENCIES WILL PROVIDE UTILITY SERVICES TO THIS SITE:

WATER	-	CITY OF RIVERSIDE 3900 MAIN STREET RIVERSIDE, CA 92522 (909) 782-5442
SEWER	-	CITY OF RIVERSIDE 3900 MAIN STREET RIVERSIDE, CA 92522 (909) 782-5341
ELECTRIC	-	CITY OF RIVERSIDE 3900 MAIN STREET RIVERSIDE, CA 92522 (909) 782-5452
NATURAL GAS	-	SOUTHERN CALIFORNIA GAS COMPANY PO BOX 3003 REDLANDS, CA 92373 (909) 884-9411
TELEPHONE	-	PACIFIC BELL 3073 ADAMS AVENUE RIVERSIDE, CA 92504 (909) 359-2387

LOCATION MAP

NO SCALE

FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES 0 1 2 3

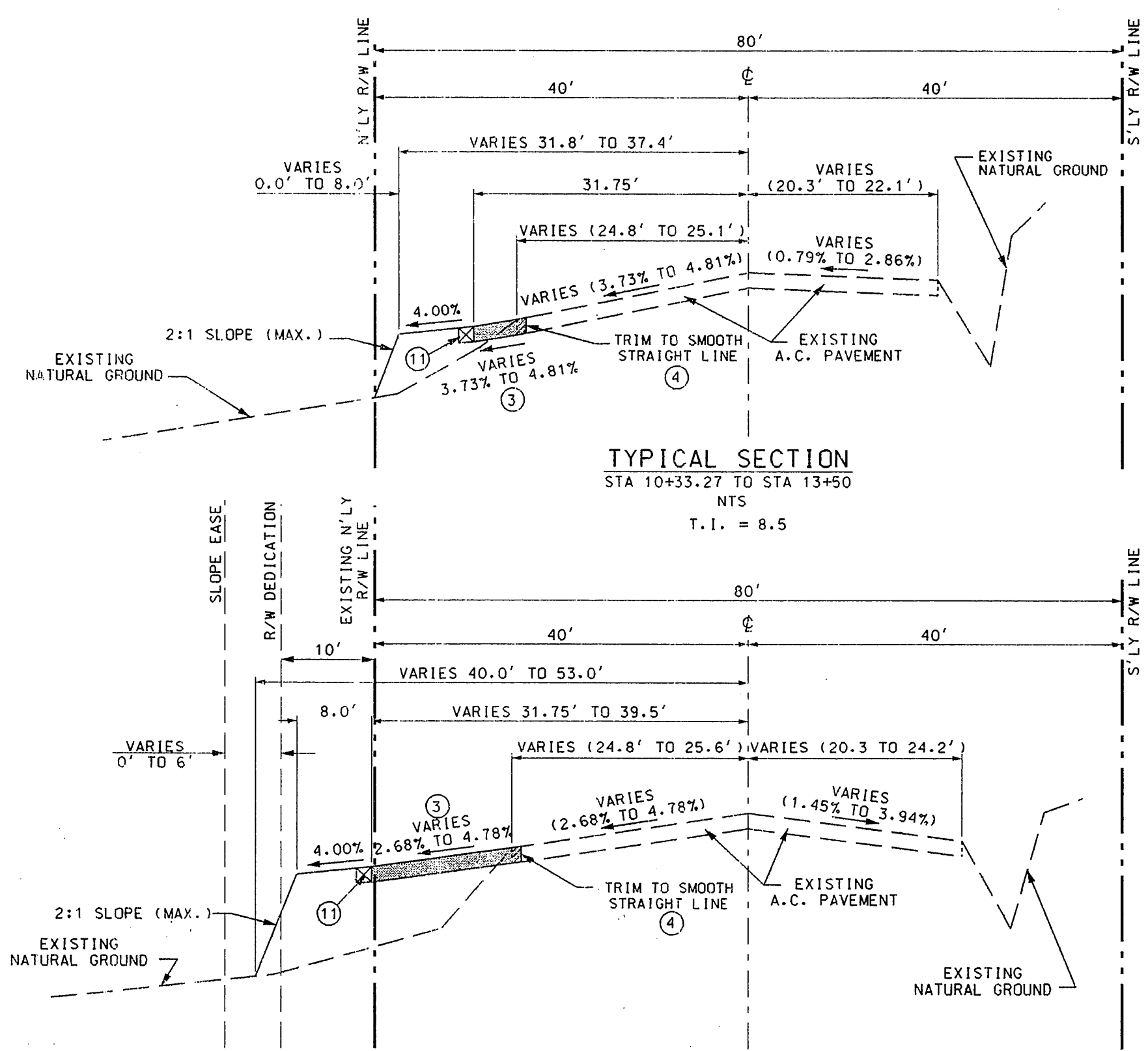
DWG. NO. **C7.1**
SHEET **14** OF **51** SHEETS

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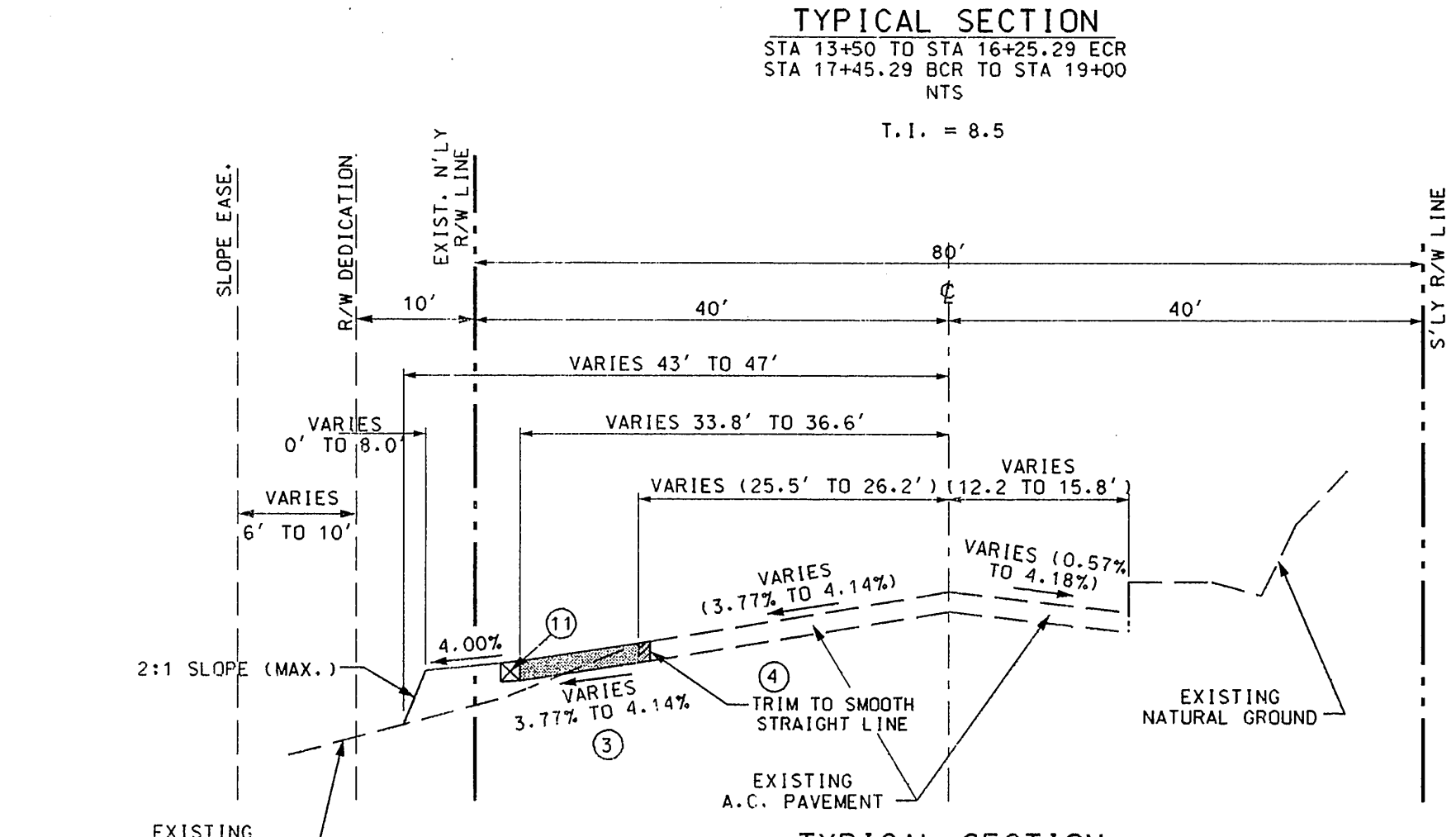
<p style="font-size: x-small;">Underground Service Alert</p> <p style="font-size: x-small;">Call: TOLL FREE 1-800 422-4133</p> <p style="font-size: x-small;">TWO WORKING DAYS BEFORE YOU DIG</p>		<p>PREPARED UNDER THE DIRECTION OF: <i>T. L. Lane</i> REGISTERED CIVIL ENGINEER NO. 24838 EXPIRATION DATE: 12/31/97 DATE: 5/31/95</p> <p>APPROVED BY:</p>	<p>PLANS PREPARED BY: DMJM 275 WEST HOSPITALITY LANE, SUITE 314 SAN BERNARDINO CA 92408 (909) 889-3466</p> <p>SCALE: NONE BENCH MARK: E2-D RESET 94 CHISELED "C" ON T.C. WESTERLY END OF CATCH BASIN FRONTING THE S'LY CURB OF INDIANA @ THE SE CORNER OF INDIANA AVE. AND FILLMORE STREET. ELEV. = 738.41</p> <p>DATE: 05/22/95</p>	<p>PLANNING ARCHITECTURE ENGINEERING PROGRAM MGMT.</p> <p>MARK REVISIONS APPR. DATE</p> <p>DESIGNED BY: EAL DRAWN BY: EAL CHECKED BY: TAL</p>	<p>CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS</p> <p>APPROVED BY: <i>[Signature]</i> BY DATE: <i>[Signature]</i> / <i>[Date]</i></p> <p>PRINCIPAL ENGINEER: <i>[Signature]</i> / <i>[Date]</i></p> <p>PARK DEPARTMENT: <i>[Signature]</i> / <i>[Date]</i></p> <p>TRAFFIC DIVISION: <i>[Signature]</i> / <i>[Date]</i></p> <p>DEP. P.W. DIRECTOR: <i>[Signature]</i> / <i>[Date]</i></p>	<p>LA SIERRA COMMUTER RAIL STATION STREET IMPROVEMENT TITLE SHEET CU-028-945</p>	<p>DWG. NO. C7.1 SHEET 14 OF 51 SHEETS</p> <p>PROJECT NO. R-3409</p> <p>SHEET 1 OF 5</p> <p>FILE NO.</p>
BUSINESS TAX CERT. #: 062663 EXP. DATE: 04/04/96							

INDEXED 7-12-95 LPH

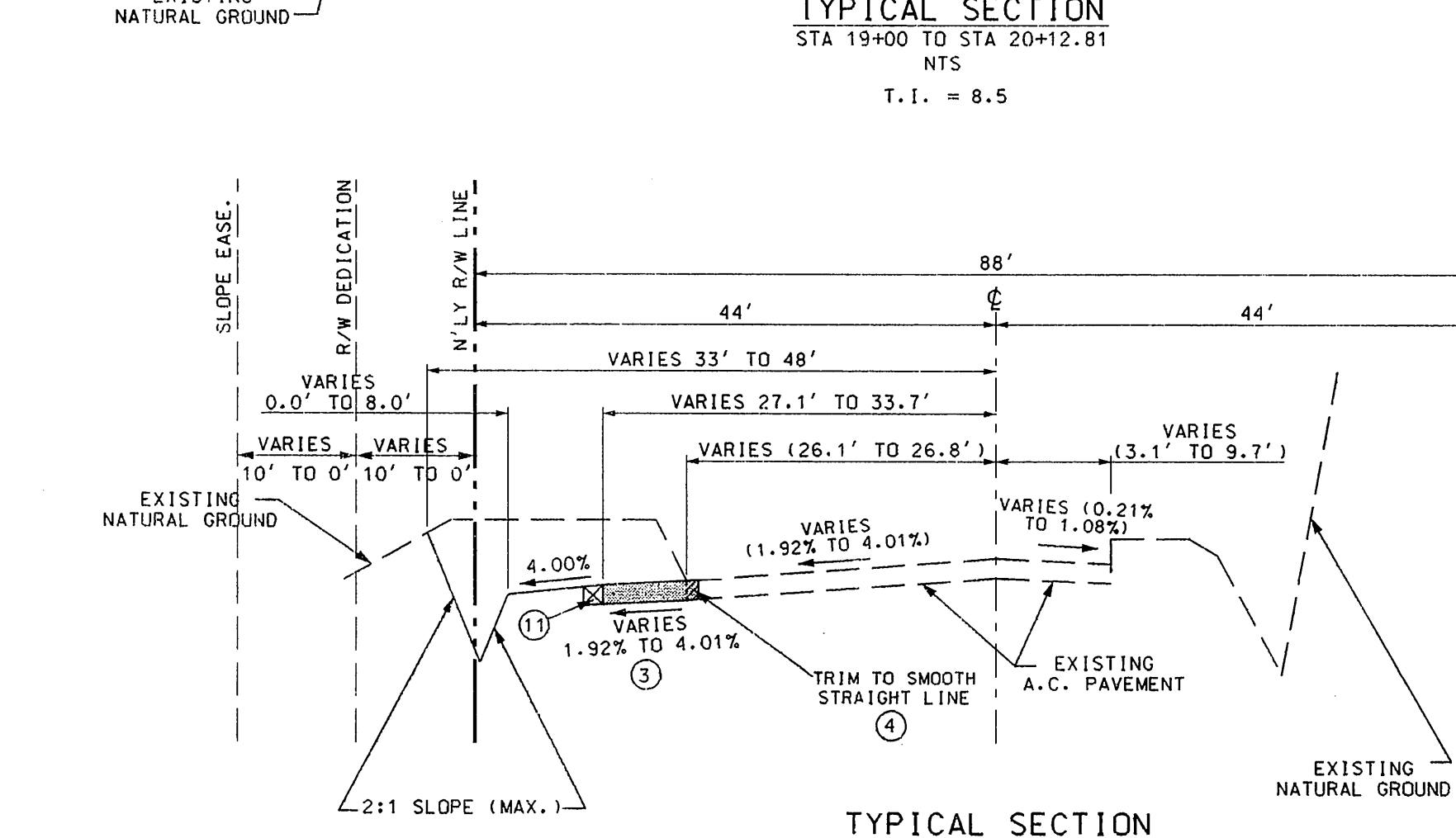
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TYPICAL SECTION
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NTS
T.I. = 8.5



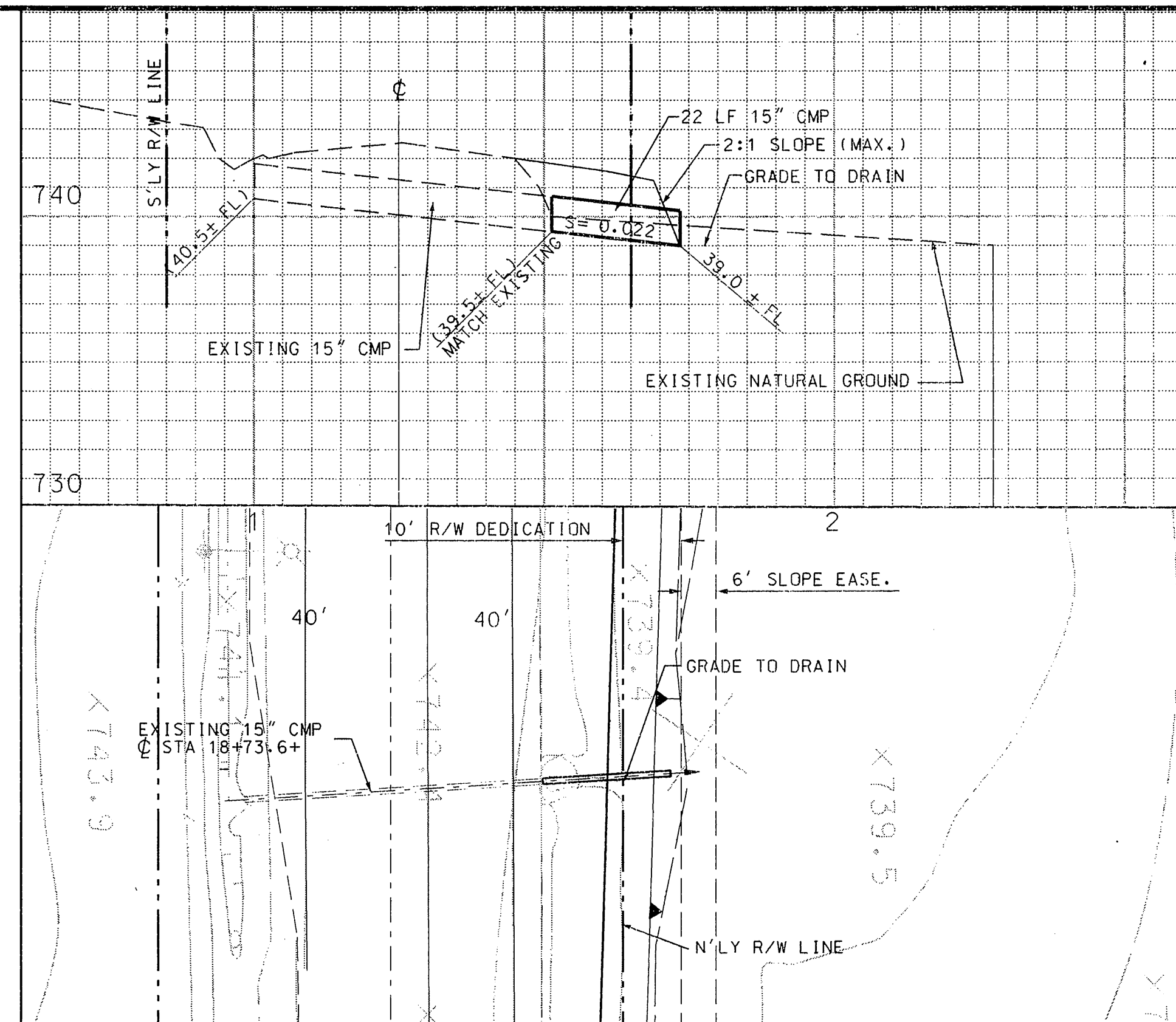
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STA 17+45.29 BCR TO STA 19+00
NTS
T.I. = 8.5



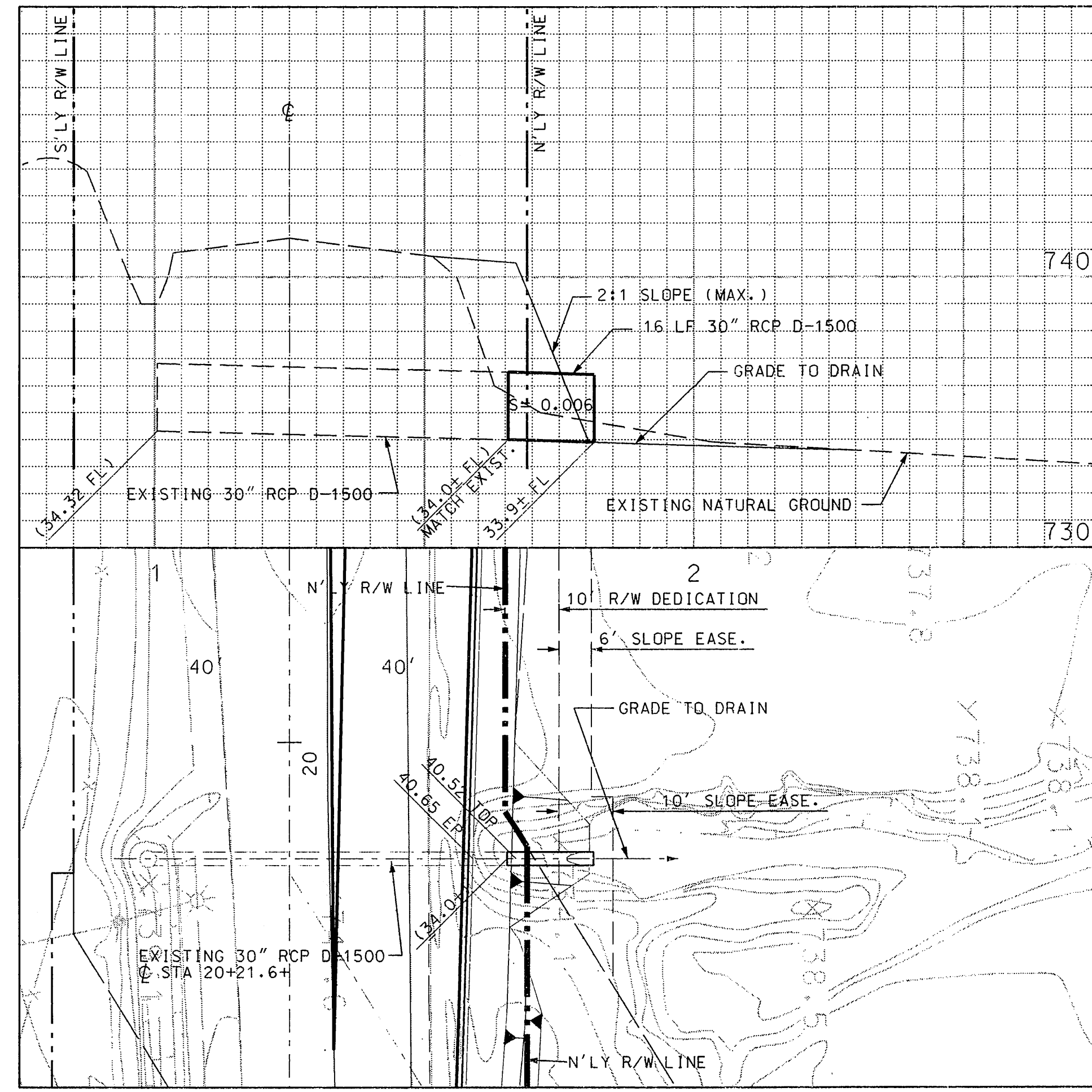
TYPICAL SECTION
STA 19+00 TO STA 20+12.81
NTS
T.I. = 8.5



TYPICAL SECTION
STA 20+19.27 TO STA 22+51.10
NTS
T.I. = 8.5



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



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

FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES 0 1 2 3

Underground Service Alert
Call: TOLL FREE
1-800-422-4133
TWO WORKING DAYS BEFORE YOU DIG

PROFESSIONAL ENGINEER
RIVERSIDE A. LAKE
No. 24838
CIVIL
EXPIRES 12-31-97
STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF:
T. L. Stone
REGISTERED CIVIL ENGINEER NO. 24838
EXPIRATION DATE: 12/31/97 DATE: 5/31/95
APPROVED BY:

PLANS PREPARED BY:
DMJM
275 WEST HOSPITALITY LANE, SUITE 314
SAN BERNARDINO CA 92408
(909)889-3466
SCALE: AS SHOWN BENCH MARK: E2-D RESET 94
CHISELED 17" ON T.C. WESTERLY END OF CATCH
BASIN FRONTING THE S'LY CURB OF INDIANA @ THE
SE CORNER OF INDIANA AVE. AND FILLMORE STREET.
ELEV. = 738.41
DATE: 05/22/95

PLANNING ARCHITECTURE ENGINEERING PROGRAM MGMT.
MARK REVISIONS APPR. DATE
DESIGNED BY EAL DRAWN BY EAL CHECKED BY TAL

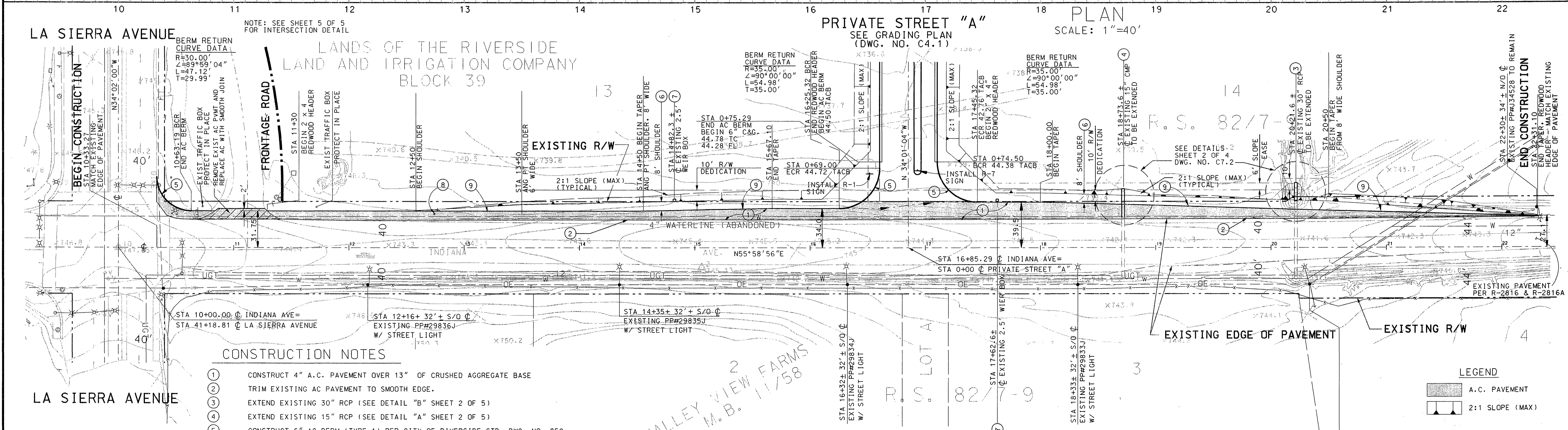
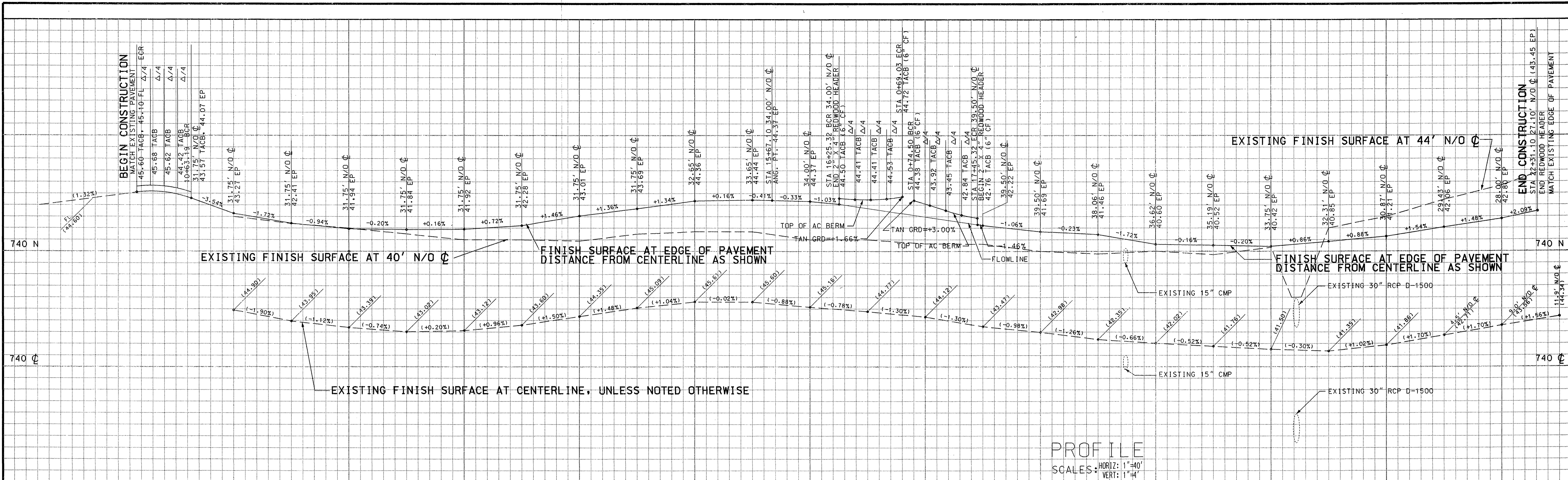
CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
APPROVED BY: *[Signature]* DATE: 6/23/95
PRINCIPAL ENGINEER
PARK DEPARTMENT
TRAFFIC DIVISION
DEP. P.W. DIRECTOR

LA SIERRA COMMUTER RAIL STATION
TYP. SECTIONS AND DETAILS
CU-028-945

DWG. NO. **C7.2**
SHEET 15 OF 51 SHEETS
PROJECT NO. **R-3409**
SHEET 2 OF 5
FILE NO.

INDEXED 7-12-95 44

BUSINESS TAX CERT. # 062663 EXP. DATE: 04/04/96



- CONSTRUCTION NOTES**
1. CONSTRUCT 4" A.C. PAVEMENT OVER 13" OF CRUSHED AGGREGATE BASE
 2. TRIM EXISTING AC PAVEMENT TO SMOOTH EDGE.
 3. EXTEND EXISTING 30" RCP (SEE DETAIL "B" SHEET 2 OF 5)
 4. EXTEND EXISTING 15" RCP (SEE DETAIL "A" SHEET 2 OF 5)
 5. CONSTRUCT 6" AC BERM (TYPE 1) PER CITY OF RIVERSIDE STD. DWG. NO. 250
 6. CONSTRUCT 4" CRUSHED BASE (SHOULDER)
 7. REMOVE EXISTING WEIR BOX
 8. RELOCATE EXISTING TRAFFIC SIGNAL BOX
 9. INSTALL 2" X 4" REDWOOD HEADER

CITY OF RIVERSIDE
WATER SYSTEM
APPROVED BY: *Richard J. Duda* 6/22/95
DATE: 6/22/95
VOID ONE YEAR FROM THIS DATE

Underground Service Alert
Call: TOLL FREE
1-800-422-4133
TWO WORKING DAYS BEFORE YOU DIG

PROFESSIONAL ENGINEER
No. 24838
CIVIL
STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF:
T. G. Lane
REGISTERED CIVIL ENGINEER NO. 24838
EXPIRATION DATE: 12/31/97 DATE: 5/31/95
APPROVED BY:

PLANS PREPARED BY:
DMJM
275 WEST HOSPITALITY LANE, SUITE 314
SAN BERNARDINO CA 92408
(909)889-3466
SCALE: 1" = 40'
DATE: 05/22/95
BENCH MARK: E2-D RESET 94
CHISELED ON T.C. WESTERLY END OF CATCH
BASIN FRONTING THE SLY CURB OF INDIANA @ THE
SE CORNER OF INDIANA AVE. AND FILLMORE STREET
ELEV. = 738.41

MARK	REVISIONS	APPR.	DATE

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
APPROVED BY: *[Signature]*
PRINCIPAL ENGINEER
DATE: 6/23/95
TRAFFIC DIVISION
DEP. P.W. DIRECTOR: *[Signature]*

LA SIERRA COMMUTER RAIL STATION
STREET IMPROVEMENT
INDIANA AVENUE
CU-028-945
STA 10+33.27 TO 22+31.10

DWG. NO. **C7.3**
SHEET 16 OF 51 SHEETS
PROJECT NO. **R-3409**
SHEET 3 OF 5
FILE NO.

FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES 0 1 2 3

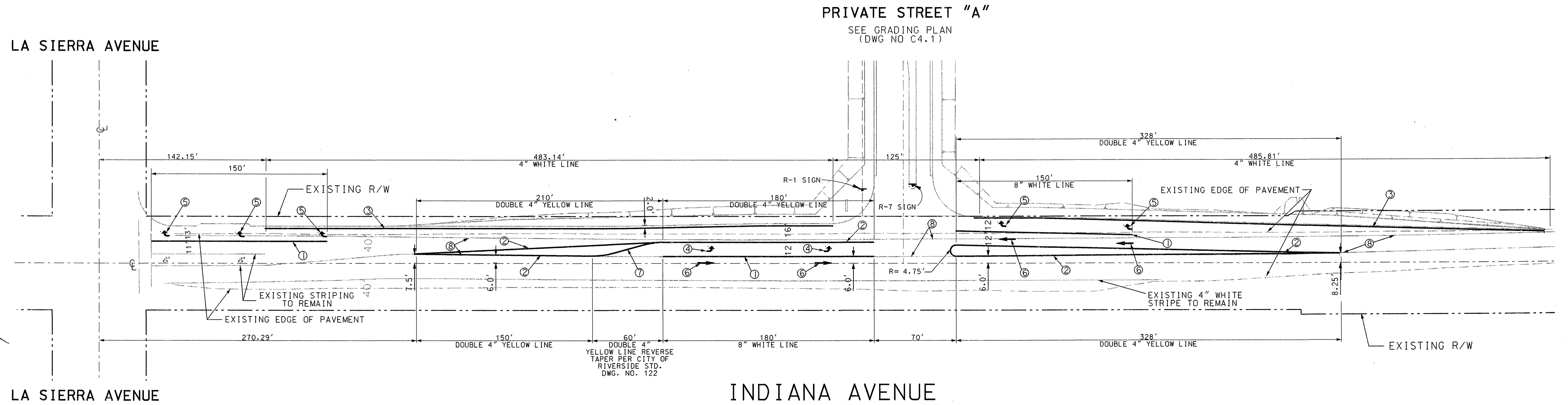
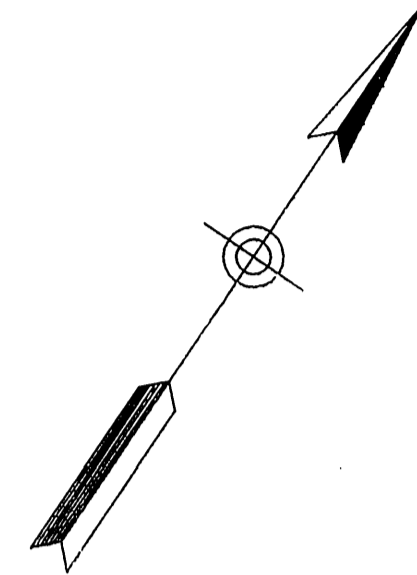
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GENERAL NOTES

1. MATERIALS SHALL COMPLY WITH SUB. SEC. 210-1.6, "PAINT FOR TRAFFIC STRIPING, MARKING AND CURB MARKING", OF THE STANDARD SPECIFICATION FOR PUBLIC WORKS CONSTRUCTION (GREENBOOK), LATEST EDITION OR EQUAL SUPPLEMENT.
2. TRAFFIC PAINT SHALL BE FAST-DRY, SOLVENT-BORNE, LOW VOLATILE, ORGANIC COMPOUND (VOC) 250 UNLESS OTHERWISE SPECIFIED.
3. THERMOPLASTIC MARKINGS WHEN SPECIFIED SHALL BE REFLECTORIZED ALKYD.
4. NEW STRIPING APPLICATIONS SHALL BE DONE IN TWO (2) COATS.
5. TRAFFIC CONTROL SHALL BE ACCORDING TO THE WORK AREA TRAFFIC CONTROL HANDBOOK (WATCH) MANUAL, LATEST EDITION.
6. RAISED PAVEMENT MARKERS (RPM) WHEN SPECIFIED SHALL BE CONSISTENT WITH CALTRANS STANDARD SPECIFICATION SEC. 85, "PAVEMENT MARKERS", LATEST EDITION.
7. CONSTRUCTION SIGNING, LIGHTING, AND BARRICADING SHALL BE PROVIDED ON ALL PROJECTS AS REQUIRED PER CITY STANDARDS OR AS DIRECTED BY THE CITY ENGINEER. AS A MINIMUM, ALL CONSTRUCTION SIGNING, LIGHTING, AND BARRICADING SHALL BE IN ACCORDANCE WITH STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION "MANUAL OF TRAFFIC CONTROLS, WARNING SIGNS, LIGHTS, AND DEVICES FOR USE IN PERFORMANCE OF WORK UPON HIGHWAYS", DATED 1990.
8. EXISTING STRIPING SHALL BE REMOVED BY WET SANDBLASTING.
9. STRIPING DETAILS SHALL CONFORM TO THE STATE STANDARD PLANS DATED JULY 1992, PLAN NUMBERS: A20A, A20B, A20D, AND A24A.

CONSTRUCTION NOTES

- ① PAINT 8" WHITE LINE PER DETAIL 38A.
- ② PAINT DOUBLE 4" YELLOW LINE PER DETAIL 21.
- ③ PAINT 4" WHITE LINE PER DETAIL 27B.
- ④ INSTALL TYPE IV (L) ARROW (THERMOPLASTIC).
- ⑤ INSTALL TYPE IV (R) ARROW (THERMOPLASTIC).
- ⑥ INSTALL TYPE I (10) ARROW (THERMOPLASTIC).
- ⑦ 60' REVERSE TAPER PER CITY OF RIVERSIDE STD. DWG. NO. 122.
- ⑧ REMOVE EXISTING STRIPING BY WET SANDBLASTING.

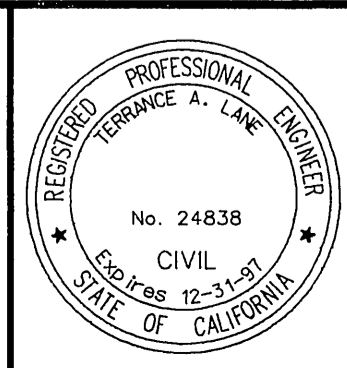


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FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES 0 1 2 3

DWG. NO. **C7.4**
SHEET 17 OF 51 SHEETS

Underground Service Alert
Call: TOLL FREE
1-800-422-4133
TWO WORKING DAYS BEFORE YOU DIG



PREPARED UNDER THE DIRECTION OF:
T. Li. Lane
REGISTERED CIVIL ENGINEER NO. 24838
EXPIRATION DATE: 12/31/97 DATE: 5/31/95
APPROVED BY:

PLANS PREPARED BY:
DMJM
275 WEST HOSPITALITY LANE, SUITE 314
SAN BERNARDINO CA 92408
(909) 889-3466
SCALE: 1" = 40'
DATE: 05/22/95
BENCH MARK: E2-D RESET 94 CHISELED "I" ON T.C. WESTERLY END OF CATCH BASIN FRONTING THE S'LY CURB OF INDIANA @ THE SE CORNER OF INDIANA AVE. AND FILLMORE STREET ELEV. = 738.41

MARK	REVISIONS	APPR.	DATE

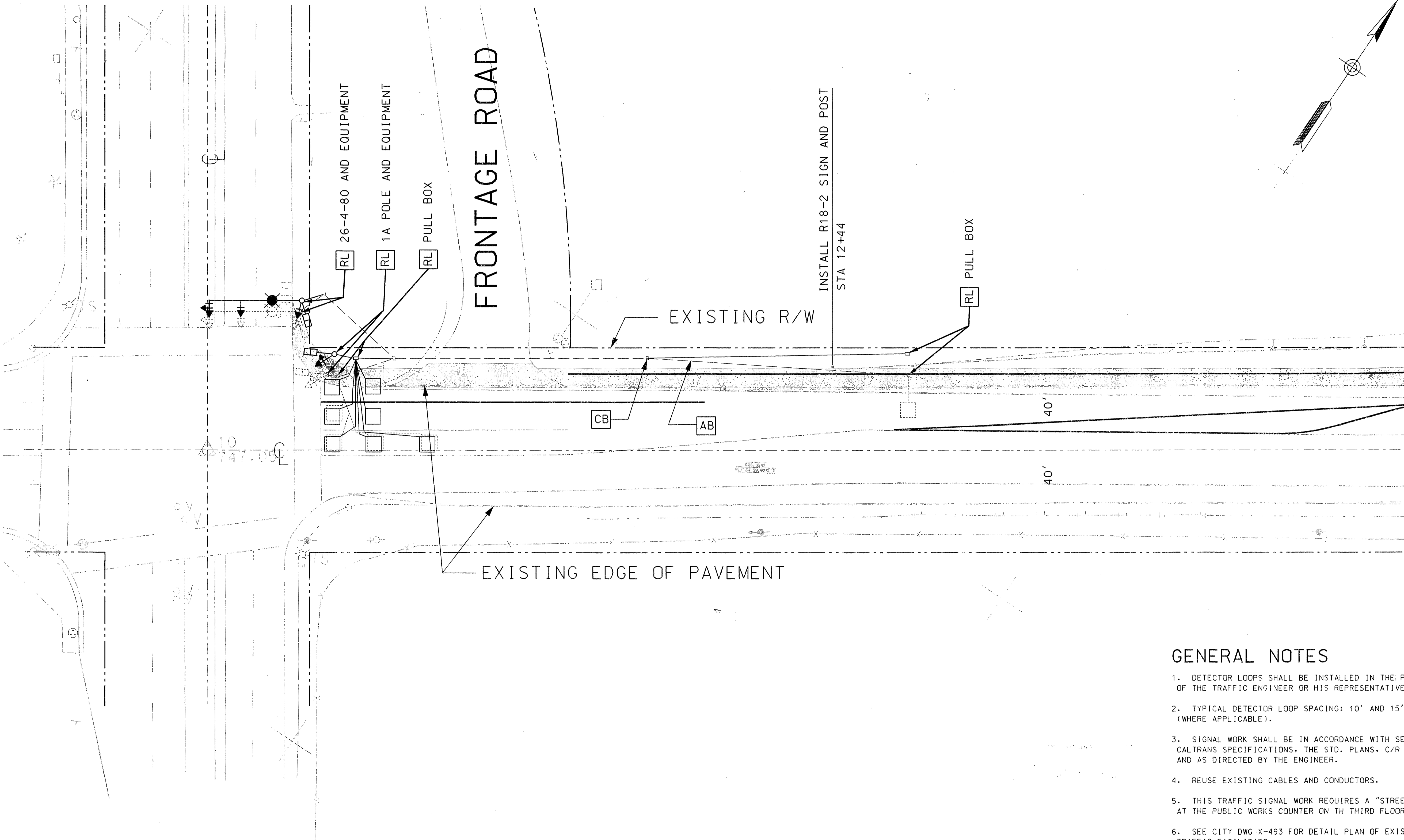
DESIGNED BY: EAL DRAWN BY: EAL CHECKED BY: IAL

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
APPROVED BY: *[Signature]* DATE: 6/23/95
PRINCIPAL ENGINEER: *[Signature]* DATE: 4/23/95
PARK DEPARTMENT: *[Signature]*
TRAFFIC DIVISION: *[Signature]*
DEP. P.W. DIRECTOR: *[Signature]*

LA SIERRA COMMUTER RAIL STATION
STRIPING PLAN
C.U. 028-945
INDIANA AVENUE

PROJECT NO. R-3409
SHEET 4 OF 5
FILE NO.

LA SIERRA AVENUE



INDIANA AVENUE

GENERAL NOTES

1. DETECTOR LOOPS SHALL BE INSTALLED IN THE PRESENCE OF THE TRAFFIC ENGINEER OR HIS REPRESENTATIVE.
2. TYPICAL DETECTOR LOOP SPACING: 10' AND 15' (WHERE APPLICABLE).
3. SIGNAL WORK SHALL BE IN ACCORDANCE WITH SEC. 86 OF THE CALTRANS SPECIFICATIONS, THE STD. PLANS, C/R STANDARDS AND AS DIRECTED BY THE ENGINEER.
4. REUSE EXISTING CABLES AND CONDUCTORS.
5. THIS TRAFFIC SIGNAL WORK REQUIRES A "STREET OPENING PERMIT OBTAINED AT THE PUBLIC WORKS COUNTER ON TH THIRD FLOOR OF CITY HALL.
6. SEE CITY DWG X-493 FOR DETAIL PLAN OF EXISTING TRAFFIC FACILITIES.
7. CONTACT THE TRAFFIC SIGNAL MAINTENANCE (714) 351-6096 48 HOURS IN ADVANCE TO SCHEDULE INSPECTION OF THE WORK PERFORMED. INSPECTION FEE FOR TRAFFIC SIGNAL MODIFICATIONS WILL BE AT THE RATE OF \$29.35 PER HOUR.

FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES 0 1 2 3

12/31/97

PLOT TIME: 31-MAY-1995 09:12 h:*2155*55 ls*55NCA07.dgn

Underground Service Alert

 Call: TOLL FREE
 1-800
 422-4133
 TWO WORKING DAYS BEFORE YOU DIG

REGISTERED PROFESSIONAL ENGINEER
 PERFORMANCE A-1
 No. 24838
 CIVIL
 EXPIRES 12-31-97
 STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF:
F. L. Lane
 REGISTERED CIVIL ENGINEER NO. 24838
 EXPIRATION DATE: 12/31/97 DATE: 5/31/95
 APPROVED BY:

PLANS PREPARED BY:
DMJM
 275 WEST HOSPITALITY LANE, SUITE 314
 SAN BERNARDINO CA 92408
 (909) 889-3466
 SCALE: 1" = 20'
 DATE: 05/22/95
 BENCH MARK: E2-D RESET 94
 CHISELED ON T.C. WESTERLY END OF CATCH
 BASIN FRONTING THE S'LY CURB OF INDIANA @ THE
 SE CORNER OF INDIANA AVE. AND FILLMORE STREET.
 ELEV. = 738.41

MARK	REVISIONS	APPR.	DATE

DESIGNED BY EAL DRAWN BY EAL CHECKED BY TAL

CITY OF RIVERSIDE, CALIFORNIA
 DEPARTMENT OF PUBLIC WORKS
 APPROVED BY: *[Signature]* DATE: 6/23/95
 PRINCIPAL ENGINEER
 PARK DEPARTMENT
 TRAFFIC DIVISION
 DEP. P.W. DIRECTOR
 DATE: 6/23/95

LA SIERRA COMMUTER RAIL STATION
 TRAFFIC SIGNAL PLAN
 C.U. 028-945
 INDIANA AVENUE

DWG. NO. **C7.5**
 SHEET 18 OF 51 SHEETS
 PROJECT NO. **R-3409**
 SHEET **5** OF **5**
 FILE NO.

INDEXED 7-12-95 fH

BUSINESS TAX CERT.: # 062663 EXP. DATE: 04/04/96