

# STORM DRAIN IMPROVEMENT PLANS

## ATTERBURY DRIVE ET AL

### CITY OF WALNUT

#### GENERAL NOTES

- A PERMIT SHALL BE OBTAINED AND A DEPOSIT PAID TO THE DEPARTMENT OF PUBLIC WORKS AT THE PERMIT COUNTER, 9000 SOUTH FREMONT AVENUE 8TH FLOOR, ALHAMBRA CA 91803 PRIOR TO STARTING WORK UNDER THIS CONTRACT. COPIES OF ALL OTHER REQUIRED PERMITS, SUCH AS FLOOD CONTROL DISTRICT AND ROAD EXCAVATION, MUST BE FILED WITH THE PERMIT APPLICATION.
- WHEN WORK IS WITHIN A CONTRACT CITY, THE CONTRACTOR MUST CONTACT THE DIRECTOR OF PUBLIC WORKS OF THAT CITY TO DETERMINE THE LOCATION TO PAY THE INSPECTION DEPOSIT.
- THE CONTRACTOR SHALL CONTACT THE DISTRICT OFFICE LISTED ON THE "APPLICATION FOR STORM DRAIN CONSTRUCTION INSPECTION FORM 1" TO ARRANGE FOR AN ACCEPTABLE CONSTRUCTION START DATE.
- APPROVAL OF THIS PLAN BY THE COUNTY OF LOS ANGELES AND THE CITY OF WALNUT DOES NOT CONSTITUTE A REPRESENTATION TO THE ACCURACY OF THE LOCATION, OR THE EXISTENCE OR NONEXISTENCE OF ANY UNDERGROUND UTILITY, PIPE OR STRUCTURE WITHIN THE LIMITS OF THIS PROJECT. THIS NOTE APPLIES TO ALL SHEETS.
- ALL WORK SHALL BE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, LATEST EDITION" INCLUDING SUPPLEMENTS AND SHALL BE PROSECUTED ONLY IN THE PRESENCE OF THE DIRECTOR OF PUBLIC WORKS.
- THE CONTRACTOR'S ATTENTION IS DIRECTED TO SECTION 7-10.41 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION IN REGARD TO SAFETY ORDERS AND SHALL CONFORM TO THE "MINIMUM PUBLIC SAFETY REQUIREMENTS" AS SHOWN ON LOS ANGELES COUNTY ENGINEER STANDARD 5-2.
- ELEVATIONS ARE IN FEET ABOVE U.S.C. & G.S. MEAN SEA LEVEL DATUM OF 1929, UNLESS OTHERWISE INDICATED.
- NO CONCRETE SHALL BE PLACED UNTIL THE FORMS AND REINFORCING STEEL HAVE BEEN PLACED, INSPECTED AND APPROVED.
- ALL STRUCTURAL CONCRETE SHALL BE PORTLAND CEMENT CONCRETE WITH AN ULTIMATE 28 DAY COMPRESSIVE STRENGTH OF 3250 P.S.I. UNLESS OTHERWISE NOTED.
- TRANSVERSE REINFORCEMENT AND TRANSVERSE JOINTS SHALL BE PLACED AT RIGHT ANGLES (OR RADIAL) TO THE CONDUIT CENTER LINE EXCEPT AS OTHERWISE SHOWN ON THE DRAWINGS.
- ALL STEEL ADJACENT TO FACE OF CONCRETE SHALL HAVE 2 1/2" CLEARANCE UNLESS OTHERWISE SPECIFIED.
- REINFORCEMENT SHALL BE DEFORMED BARS OF INTERMEDIATE GRADE STEEL, PER A.S.T.M. A-615-GRADE 60.
- DIMENSIONS FROM FACE OF CONCRETE TO STEEL ARE TO CENTER LINE OF STEEL UNLESS OTHERWISE NOTED.
- ALL STEEL THAT IS TO BE CONTINUOUS SHALL HAVE A MINIMUM LAP OF 30 BAR DIAMETERS OR 18" WHICHEVER IS GREATER.
- ALL CONSTRUCTION JOINTS IN THE FOOTING OF SLABS AND WALLS SHALL BE IN THE SAME PLANE. NO STAGGERING OF JOINTS WILL BE PERMITTED.
- ALL EXPOSED EDGES SHALL BE FINISHED WITH A 3/4" CHAMFER.
- UNLESS OTHERWISE SHOWN, CONCRETE DIMENSIONS SHALL BE MEASURED VERTICALLY OR HORIZONTALLY AND PARALLEL OR AT RIGHT ANGLES (OR RADIAL) TO THE CENTER LINE OF CONSTRUCTION.
- THE INSPECTOR SHALL HAVE THE OPTION TO REQUIRE CONCRETE BACKFILL DURING CONSTRUCTION WHEN THE PIPE HAS LESS THAN ONE FOOT OF COVER. THE CONCRETE BACKFILL SHALL CONSIST OF 1:3:5 MIX, PORTLAND CEMENT CONCRETE POURED FROM WALL TO WALL OF TRENCH AND FROM BOTTOM OF TRENCH TO A MINIMUM OF 4 INCHES OVER THE TOP OF THE PIPE.
- ALL PIPES SHALL BE PLACED IN TRENCH IN NATURAL GROUND AND/OR CONTACTED FILL. THE GROUND LEVEL BEFORE THE TRENCHING SHALL BE AT LEAST 3 FEET ABOVE THE TOP OF THE PIPE ELEVATION, OR AT FINISH SURFACE ELEVATION, WHICHEVER IS LESS.
- ALL BACKFILL AND FILLS OUTSIDE OF STREET RIGHT OF WAY SHALL BE COMPACTED TO 90% OF MAXIMUM DENSITY AS DETERMINED BY ASTM SOIL COMPACTION TEST D 1557-78 METHOD "D" UNLESS OTHERWISE SPECIFIED. THIS SHALL BE CERTIFIED BY A GEOTECHNICAL ENGINEER. THIS CERTIFICATION SHALL BE SUBMITTED TO THE DIRECTOR OF PUBLIC WORKS PRIOR TO ACCEPTANCE OF THE WORK BY THE COUNTY.
- ALL BACKFILL AND FILLS WITHIN STREET RIGHT OF WAY SHALL BE COMPACTED IN ACCORDANCE WITH SECTION 306-1.3.4 OF THE STANDARD SPECIFICATIONS UNLESS OTHERWISE NOTED AND INSPECTED BY THE CITY OF WALNUT. CONTRACTOR SHALL NOTIFY THE INSPECTOR AT LEAST 24 HOURS IN ADVANCE FOR SOIL TESTING AS REQUIRED BY THE INSPECTOR.
- PIPE BEDDING SHALL BE: ACCORDING TO THE STANDARD DRAWING NO. 3080-1, CASE III, EXCEPT BELL AND SPIGOT PIPE WHICH SHALL BE CASE II BEDDING, UNLESS OTHERWISE SHOWN. "W" VALUES SHALL BE AS SPECIFIED ON STANDARD DRAWING NO. 3080-1 FOR CASE III BEDDING, NOTES 3 (a), 3 (b), AND 3 (c). IF THE "W" VALUE AT THE TIP OF THE PIPE IS EXCEEDED, THE BEDDING SHALL BE MODIFIED, AND/OR PIPE OF ADDITIONAL STRENGTH SHALL BE PROVIDED. THE PROPOSED MODIFICATION SHALL BE APPROVED BY THE DEPARTMENT.
- PIPE SHALL BE EMBEDDED 5 INCHES INTO ALL STRUCTURES INCLUDING INLET AND OUTLET HEADWALLS, UNLESS OTHERWISE SPECIFIED.
- UNLESS OTHERWISE SPECIFIED IN THE PROFILE ON THESE PLANS, THE PIPE SHALL BE MANUFACTURED WITH A MINIMUM CONCRETE COVER OVER THE STEEL IN THE INVERT OF 0.75 INCHES FOR RCP UP TO 96 INCHES IN DIAMETER AND 1.25 INCHES FOR PIPE GREATER THAN 96 INCHES IN DIAMETER.
- ALL CATCH BASINS WITHIN THE DEDICATED STREET RIGHT-OF-WAY SHALL BE CONSTRUCTED PER THESE PLANS.
- THE CONTRACTOR MAY HAVE TO HAVE DESIGNED BY A CIVIL ENGINEER AND SHALL PROVIDE TO THE SATISFACTION OF THE DIRECTOR OF PUBLIC WORKS A SYSTEM FOR CONTRIBUTORY DRAINAGE TO BE OPERABLE AT ALL TIMES UNTIL THIS STORM DRAIN SYSTEM IS ACCEPTED.
- ALL REFERENCES ON THIS PLAN TO THE COUNTY ENGINEER, ROAD DEPARTMENT, OR FLOOD CONTROL DISTRICT SHALL APPLY TO THE APPROPRIATE ELEMENTS OF THE LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS.
- EXISTING UTILITIES SHALL BE MAINTAINED IN PLACE BY THE CONTRACTOR, UNLESS OTHERWISE NOTED.
- WHERE THE UTILITIES ARE INDICATED ON THE DRAWINGS TO BE SUPPORTED, SAID SUPPORTS SHALL BE IN ACCORDANCE WITH STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION NO. 224-0, UNLESS OTHERWISE INDICATED.
- ALL OPENINGS RESULTING FROM THE CUTTING OR PARTIAL REMOVAL OF EXISTING CULVERTS, PIPES OR SIMILAR STRUCTURES SHALL BE SEALED WITH 8 INCHES OF BRICK AND MORTAR AND 6 INCHES OF CONCRETE, UNLESS OTHERWISE SHOWN.
- MANHOLES NO. 1, 2, 3, AND 4, SHALL USE THE STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION 630-1 FOR THE "FRAME AND COVER" AND 635-0 FOR THE "STANDARD DROP STEP".

32. THIS STORM DRAIN WILL NOT BE ACCEPTED FOR MAINTENANCE UNTIL THE STREETS HAVE BEEN PAVED, MANHOLES BROUGHT TO GRADE AND THE SYSTEM CLEANED TO THE SATISFACTION OF THE DIRECTOR OF PUBLIC WORKS.

33. A NPDES PERMIT FROM THE REGIONAL WATER QUALITY CONTROL BOARD IS REQUIRED BEFORE ANY DISCHARGE OF NON-STORM WATER INTO THE STORM DRAIN IS ALLOWED.

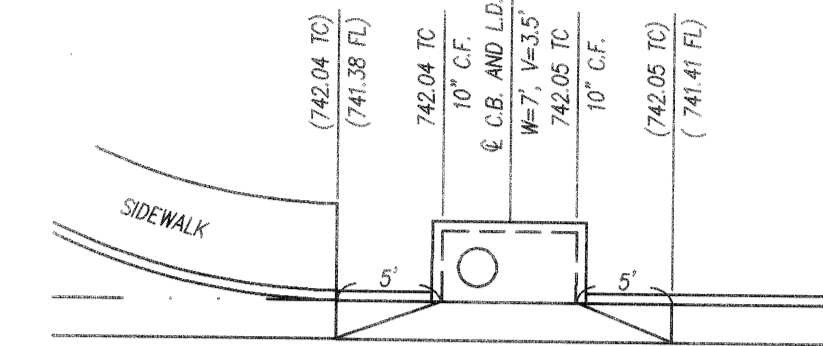
34. THE LATEST REVISED STANDARD PLAN OR DRAWING SHALL BE USED UNLESS OTHERWISE NOTED.

#### NPDES NOTES

- ERODED SEDIMENTS AND OTHER POLLUTANTS MUST BE RETAINED ON SITE AND MAY NOT BE TRANSPORTED FROM THE SITE VIA SHEET FLOW, SWALES, AREA DRAINS, NATURAL DRAINAGE COURSES, OR WIND.
- STOCKPILES OF EARTH AND OTHER CONSTRUCTION RELATED MATERIALS MUST BE PROTECTED FROM BEING TRANSPORTED FROM THE SITE BY THE FORCES OF WIND OR WATER.
- FUELS, OILS, SOLVENTS, AND OTHER TOXIC MATERIALS MUST BE STORED IN ACCORDANCE WITH THEIR LISTING AND ARE NOT TO CONTAMINATE THE SOIL AND SURFACE WATERS. ALL APPROVED STORAGE CONTAINERS ARE TO BE PROTECTED FROM THE WEATHER. SPILLS MUST BE CLEANED UP IMMEDIATELY AND DISPOSED OF IN A PROPER MANNER. SPILLS MAY NOT BE WASHED INTO THE DRAINAGE SYSTEM.
- EXCESS OR WASTE CONCRETE MAY NOT BE WASHED INTO THE PUBLIC WAY OR ANY OTHER DRAINAGE SYSTEM. PROVISIONS SHALL BE MADE TO RETAIN CONCRETE WASTES ON SITE UNTIL THEY CAN BE DISPOSED OF AS SOLID WASTE.
- TRASH AND CONSTRUCTION RELATED SOLID WASTES MUST BE DEPOSITED INTO A COVERED RECEPTACLE TO PREVENT CONTAMINATION OF RAINWATER AND DISPERSAL BY WIND.
- SEDIMENTS AND OTHER MATERIALS MAY NOT BE TRACKED FROM THE SITE BY VEHICLE TRAFFIC. THE CONSTRUCTION ENTRANCE ROADWAYS MUST BE STABILIZED SO AS TO INHIBIT SEDIMENTS FROM BEING DEPOSITED INTO THE PUBLIC WAY. ACCIDENTAL DEPOSITIONS MUST BE SWEEP UP IMMEDIATELY AND MAY NOT BE WASHED DOWN BY RAIN OR OTHER MEANS.
- ANY SLOPES WITH DISTURBED SOILS OR DENUDED OF VEGETATION MUST BE STABILIZED SO AS TO INHIBIT EROSION BY WIND AND WATER.

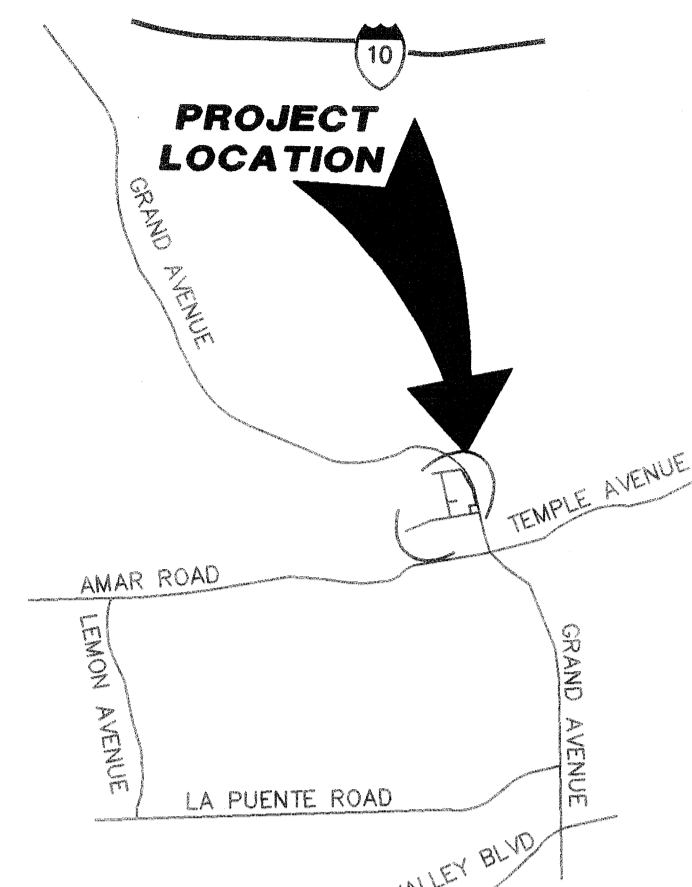
#### ESC54 DEWATERING OPERATIONS

- ESC53 PAVING OPERATIONS
- ESC52 MATERIAL DELIVERY AND STORAGE
- ESC51 MATERIAL USE
- ESC50 SPILL PREVENTION AND CONTROL
- ESC42 SOLID WASTE MANAGEMENT
- ESC24 HAZARDOUS WASTE MANAGEMENT
- ESC23 CONTAMINATED SOIL MANAGEMENT
- ESC22 CONCRETE WASTE MANAGEMENT
- ESC21 VEHICLE AND EQUIPMENT CLEANING
- ESC20 VEHICLE AND EQUIPMENT FUELING
- ESC11 VEHICLE AND EQUIPMENT MAINTENANCE
- ESC10 EMPLOYEE/SUBCONTRACTOR TRAINING
- ESC02 SCHEDULING
- ESC01 PRESERVATION OF EXISTING VEGETATION
- CA040 SEEDING AND PLANTING
- CA032 MULCHING
- CA031 GEOTEXTILES AND MATS
- CA030 DUST CONTROLS
- CA023 TEMPORARY STREAM CROSSING
- CA022 CONSTRUCTION ROAD STABILIZATION
- CA021 STABILIZED CONSTRUCTION ENTRANCE
- CA020 SLOPE ROUGHENING/TERRACING
- CA012 ESC50 - SILT FENCE
- CA011 STRAW BALE BARRIERS
- CA010 SAND BAG BARRIER
- CA002 BRUSH OR ROCK FILTER
- CA001 STORM DRAIN INLET PROTECTION



LOCAL DEPRESSION DETAIL

NOT TO SCALE



VICINITY MAP

NOT TO SCALE

#### SHEET INDEX

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	LINE "A" AND LINE "B" - PLAN & PROFILE
3	LINE "B" - PLAN & PROFILE

#### UNAUTHORIZED CHANGES AND USES

CAUTION: THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS.

#### NOTES

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 REGULATIONS" 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".

THE LAND SURVEYORS ACT, SECTION 8771 OF THE BUSINESS & PROFESSIONAL CODE, AND SECTIONS 732.05, 1492-5, 1810-5 OF THE STREETS AND HIGHWAY CODE REQUIRE THAT SURVEY MONUMENTS SHALL BE PROTECTED AND PERPETUATED.

#### PRIVATE ENGINEER'S NOTICE TO CONTRACTORS

THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES, CONDUITS OR STRUCTURES SHOWN ON THESE PLANS 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 UTILITIES SHOWN AND ANY OTHER LINES OR STRUCTURES NOT SHOWN ON THESE PLANS.

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 LOCAL GOVERNMENT AGENCIES, 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 ENGINEER.

#### OWNER

**CITY OF WALNUT**  
21201 LA PUENTE ROAD  
WALNUT, CA 91789  
TEL: (909) 595-7543

#### WATER

**WALNUT VALLEY WATER DISTRICT**  
271 S. BREA CANYON ROAD  
WALNUT, CA 91789-3002  
TEL: (909) 595-1268  
CONTACT: BRYAN LEWIS

#### TELEPHONE

**GTE**  
1400 E. PHILLIPS BOULEVARD  
POMONA, CA 91766-5432  
TEL: (909) 469-6332  
CONTACT: STEVE ANDERSON

#### ROWLAND WATER DISTRICT

3021 S. FULLERTON ROAD  
ROWLAND HEIGHTS, CA 91748  
TEL: (562) 697-1726  
CONTACT: KEN DECK

#### ELECTRICITY

**SOUTHERN CALIFORNIA EDISON CO.**  
800 W. CIENEGA AVENUE  
SAN DIMAS, CA 91773  
TEL: (909) 592-3719  
CONTACT: JEFF BURT

#### GAS

**THE GAS COMPANY**  
920 S. STIMSON  
INDUSTRY, CA 91745  
TEL: (626) 855-9562  
CONTACT: MARVIN TURNER

#### CABLE TELEVISION

**CHARTER COMMUNICATIONS**  
2215 W. MISSION ROAD  
ALHAMBRA, CA 91802-1451  
TEL: (626) 463-1980  
CONTACT: HOVK TRITRIAN

#### CONSTRUCTION NOTES & QUANTITY ESTIMATE

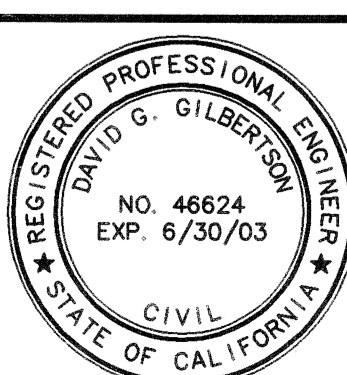
ITEM	QUANTITY
1 CONSTRUCT 12" RCP (2000D) w/ CONCRETE BACKFILL.....	22 L.F.
2 CONSTRUCT 7" WIDE CATCH BASIN PER A.P.W.A. STD. NO. 300-1.....	1 EA.
3 CONSTRUCT LOCAL DEPRESSION, CASE E PER A.P.W.A. STD. NO. 313-0.....	1 EA.
4 REMOVE AND REPLACE EXISTING CROSS GUTTER PER A.P.W.A. STD. NO. 122-0.....	1 EA.
5 SAWCUT AND REMOVE EXISTING A.C. PAVEMENT (2' WIDE).....	L.S.
6 CONSTRUCT A.C. AND C.A.B. (1" OVER EXISTING).....	L.S.
7 CONSTRUCT JUNCTION STRUCTURE PER A.P.W.A. STD. NO. 333-0.....	1 EA.
8 CONSTRUCT 4" P.V.C., SCHEDULE 40.....	1,481 L.F.
9 CONSTRUCT TERMINAL CLEANOUT PER A.P.W.A. STD. NO. 204-0.....	7 EA.

**DIG ALERT**  
SECTION 4216/4217 OF THE GOVERNMENT CODE REQUIRES A DIGALERT IDENTIFICATION NUMBER BE ISSUED BEFORE A "PERMIT TO EXCAVATE" WILL BE VALID FOR YOUR PROJECT. NUMBER CALL UNDERGROUND SERVICE ALERT TOLL FREE TWO WORKING DAYS BEFORE YOU DIG.  
1-800-422-4133  
CAUTION: REMEMBER THAT THE USA CENTER NOTIFIES ONLY THOSE UTILITIES BELONGING TO THE CENTER. THERE COULD BE OTHER UTILITIES PRESENT AT THE WORK SITE. THE CENTER WILL INFORM YOU OF WHOM THEY WILL NOTIFY.

**BENCHMARK**  
BENCHMARK NO. = G 4930  
ELEVATION = 742.144  
COUNTY SURVEYOR MONUMENT IN EAST CATCH BASIN AT GRAND AVENUE, 12.8 M EAST OF CENTERLINE, AND 15.8 M NORTH OF CENTERLINE OF SAN JOSE HILLS ROAD AT NORTH END OF CATCH BASIN

NO.	DATE	DESCRIPTION	APP'D	DATE

**CITY OF WALNUT**  
APPROVED BY: *Ronald L. Kränzer* 2-25-00  
RONALD L. KRÄNZER DATE  
CITY ENGINEER

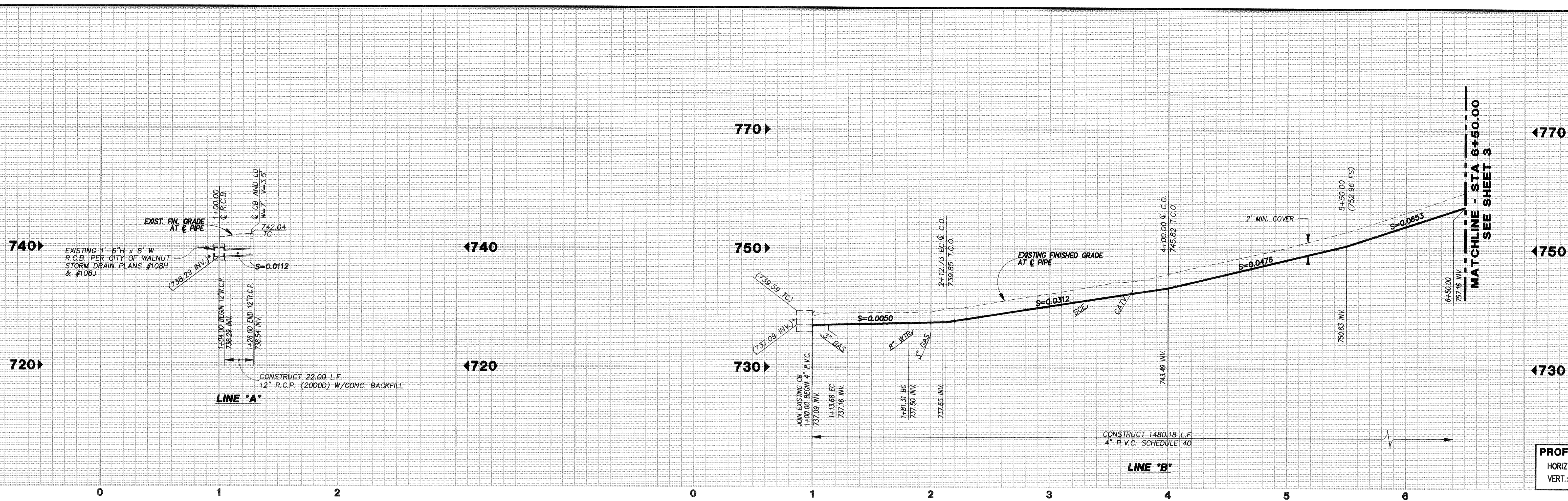


**RKA CIVIL ENGINEERS INC.**  
398 S. LEMON CREEK DRIVE SUITE E WALNUT, CA 91789  
(909) 594-9702 • (626) 331-8325 • FAX (909) 594-2658  
WWW.RKACIVIL.COM  
*David G. Gilbertson* 2-25-00  
DAVID G. GILBERTSON RCE 46624 DATE

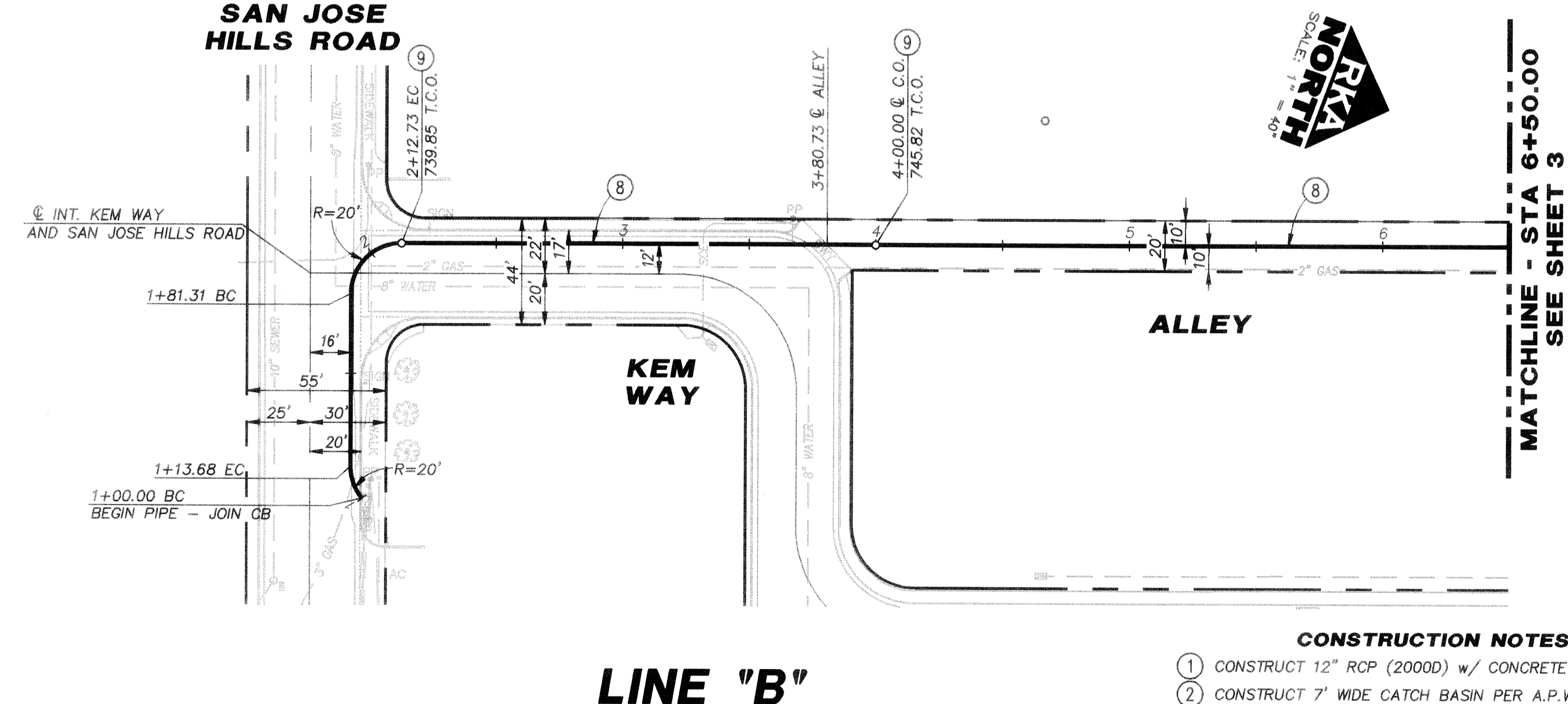
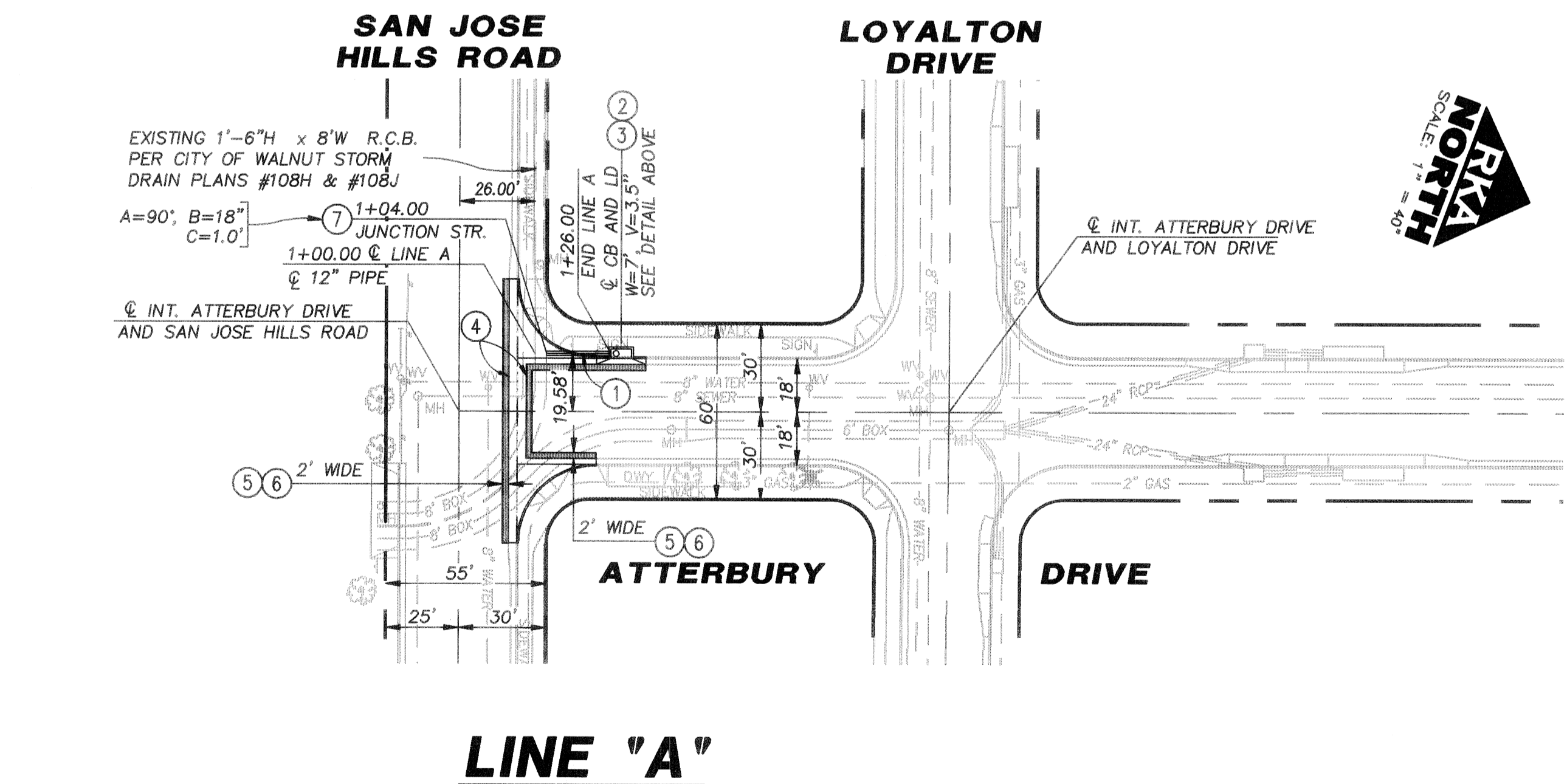
**STORM DRAIN IMPROVEMENT PLANS**  
TITLE SHEET, GENERAL NOTES, QUANTITIES AND DETAILS  
**ATTERBURY DRIVE ET AL**

SHEET  
1  
OF  
3  
SHEETS

# 182 A



**PROFILE SCALE**  
 HORIZ.: 1" = 40'  
 VERT.: 1" = 8'



**\*NOTE:**  
 HORIZONTAL AND VERTICAL LOCATIONS TO BE VERIFIED IN THE FIELD AND ENGINEER NOTIFIED OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.

- CONSTRUCTION NOTES**
- 1 CONSTRUCT 12" RCP (2000D) w/ CONCRETE BACKFILL.
  - 2 CONSTRUCT 7" WIDE CATCH BASIN PER A.P.W.A. STD. NO. 300-1.
  - 3 CONSTRUCT LOCAL DEPRESSION, CASE E PER A.P.W.A. STD. NO. 313-0.
  - 4 REMOVE AND REPLACE EXISTING CROSS GUTTER PER A.P.W.A. STD. NO. 122-0.
  - 5 SAWCUT AND REMOVE EXISTING A.C. PAVEMENT (2' WIDE).
  - 6 CONSTRUCT A.C. AND C.A.B. (1" OVER EXISTING).
  - 7 CONSTRUCT JUNCTION STRUCTURE PER A.P.W.A. STD. NO. 333-0.
  - 8 CONSTRUCT 4" P.V.C., SCHEDULE 40.
  - 9 CONSTRUCT TERMINAL CLEANOUT PER A.P.W.A. STD. NO. 204-0.

**DIG ALERT**

SECTION 4216/4217 OF THE GOVERNMENT CODE REQUIRES A DIGALERT IDENTIFICATION NUMBER BE ISSUED BEFORE A "PERMIT TO EXCAVATE" WILL BE VALID. FOR YOUR DIGALERT I.D. NUMBER CALL UNDERGROUND SERVICE ALERT TOLL FREE TWO WORKING DAYS BEFORE YOU DIG.

1-800-422-4133

CAUTION: REMEMBER THAT THE USA CENTER NOTIFIES ONLY THOSE UTILITIES BELONGING TO THE CENTER. THERE COULD BE OTHER UTILITIES PRESENT AT THE WORK SITE. THE CENTER WILL INFORM YOU OF WHOM THEY WILL NOTIFY.

**BENCHMARK**

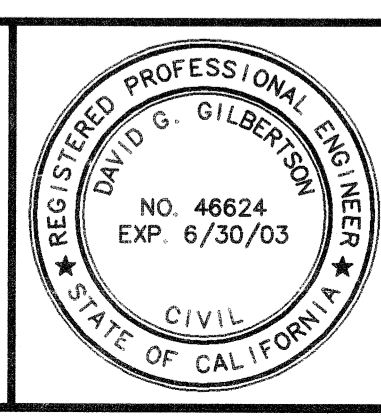
BENCHMARK NO. = G 4930  
 ELEVATION = 742.144

COUNTY SURVEYOR MONUMENT IN EAST CATCH BASIN AT GRAND AVENUE, 12.8 M EAST OF CENTERLINE AND 15.8 M NORTH OF CENTERLINE OF SAN JOSE HILLS ROAD AT NORTH END OF CATCH BASIN

DATE	DESCRIPTION	APP'D	DATE

**CITY OF WALNUT**

APPROVED BY: *Ronald L. Kranzer* 2-25-00  
 RONALD L. KRANZER  
 CITY ENGINEER



**RKA CIVIL ENGINEERS INC.**

398 S. LEMMON CREEK DRIVE, SUITE E-WALNUT, CA 91789  
 (909) 594-9702 • (626) 531-8323 • FAX (909) 594-2656  
 WWW.RKACIVIL.COM

DAVID G. GILBERTSON RCE 46624 2-25-00  
 DATE

**STORM DRAIN IMPROVEMENT PLANS**

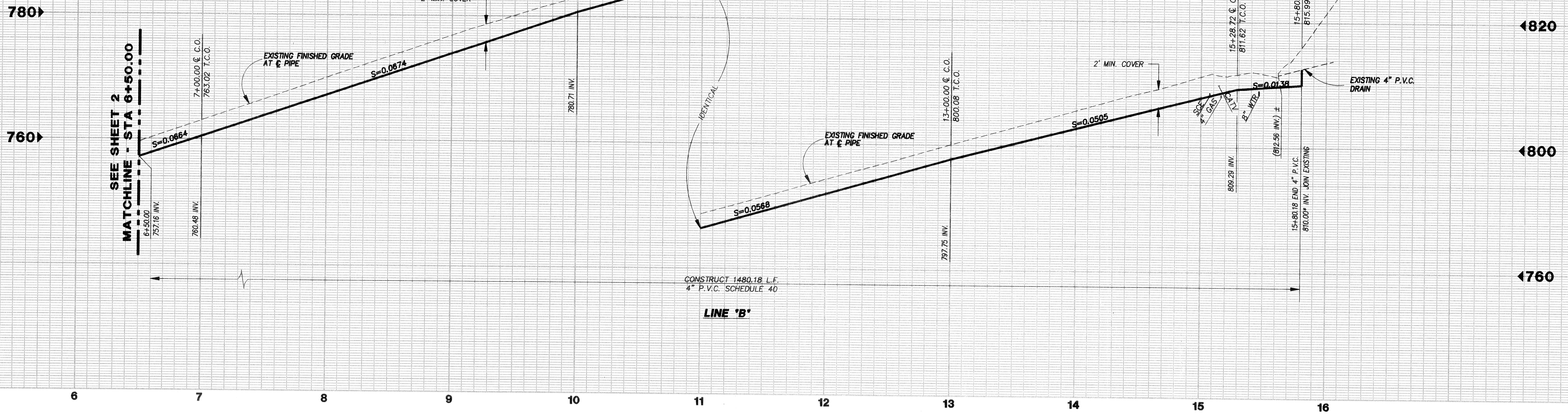
PLAN AND PROFILE OF

**LINE 'A'**  
 STA 1+00.00  
 TO  
 STA 1+26.00

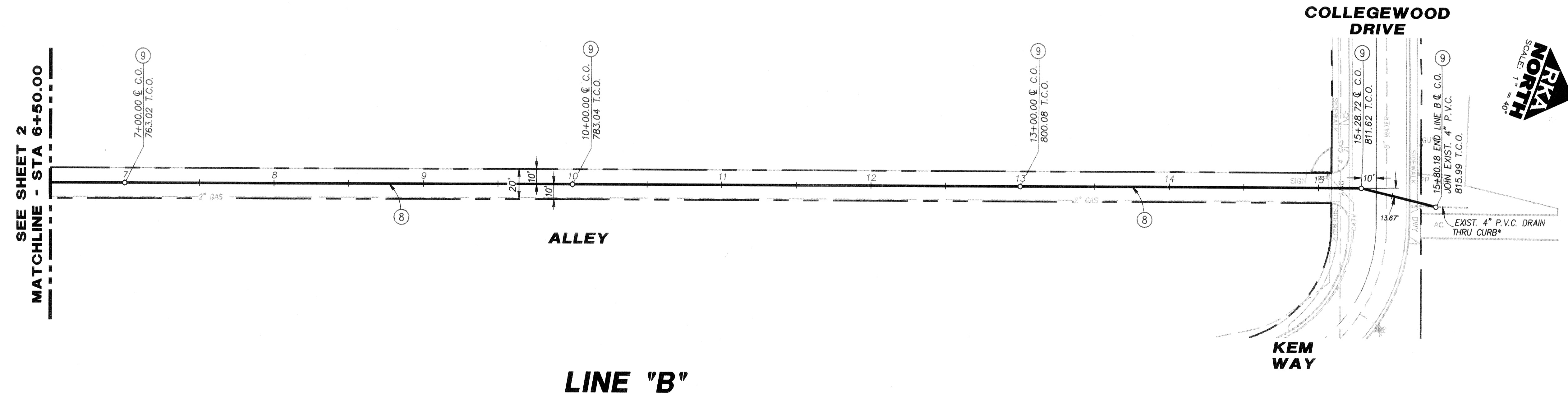
**LINE 'B'**  
 STA 1+00.00  
 TO  
 STA 6+50.00

SHEET 2 OF 3 SHEETS

#182 B



**PROFILE SCALE**  
 HORIZ.: 1" = 40'  
 VERT.: 1" = 8'



**\*NOTE:**  
 HORIZONTAL AND VERTICAL LOCATIONS TO BE VERIFIED IN THE FIELD AND ENGINEER NOTIFIED OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.

- CONSTRUCTION NOTES**
- ⑧ CONSTRUCT 4" P.V.C., SCHEDULE 40.
  - ⑨ CONSTRUCT TERMINAL CLEANOUT PER A.P.W.A. STD. NO. 204-0.

**DIG ALERT**

SECTION 4216/4217 OF THE GOVERNMENT CODE REQUIRES A DIGALERT IDENTIFICATION NUMBER BE ISSUED BEFORE A "PERMIT TO EXCAVATE" WILL BE VALID. FOR YOUR DIGALERT I.D. NUMBER CALL UNDERGROUND SERVICE ALERT TOLL FREE TWO WORKING DAYS BEFORE YOU DIG.

1-800-422-4133

CAUTION: REMEMBER THAT THE USA CENTER NOTIFIES ONLY THOSE UTILITIES BELONGING TO THE CENTER. THERE COULD BE OTHER UTILITIES PRESENT AT THE WORK SITE. THE CENTER WILL INFORM YOU OF WHOM THEY WILL NOTIFY.

**BENCHMARK**

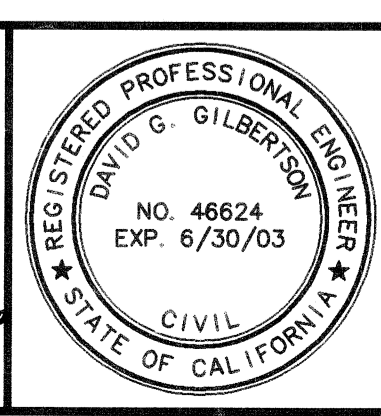
BENCHMARK NO. = G 4930  
 ELEVATION = 742.144

COUNTY SURVEYOR MONUMENT IN EAST CATCH BASIN AT GRAND AVENUE, 12.8 M EAST OF CENTERLINE AND 15.8 M NORTH OF CENTERLINE OF SAN JOSE HILLS ROAD AT NORTH END OF CATCH BASIN

Δ	DATE	DESCRIPTION	APPD	DATE
<b>REVISIONS</b>				

**CITY OF WALNUT**

APPROVED BY: *Ronald L. Kranzer*  
 RONALD L. KRANZER  
 CITY ENGINEER



**RKA CIVIL ENGINEERS INC.**

398 S. LEMON CREEK DRIVE, SUITE E, WALNUT, CA 91789  
 (909) 594-6702 • (928) 331-8323 • FAX (909) 594-2658  
 WWW.RKACIVIL.COM

DAVID G. GILBERTSON RCE 46624 DATE 2-25-00

**STORM DRAIN IMPROVEMENT PLANS**

PLAN AND PROFILE OF

**LINE 'B'**

STA 6+50.00 TO STA 15+80.18

SHEET 3 OF 3 SHEETS

#1820