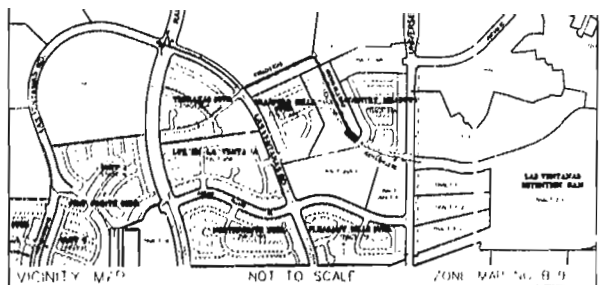


CONSTRUCTION PLANS FOR
WEST BRANCH CALABACILLAS DIVERSION
STORM DRAIN AT VENTANA RANCH
(FROM TRACT 22A TO TRACT 28A)
ALBUQUERQUE, NEW MEXICO



NOTICE TO CONTRACTORS

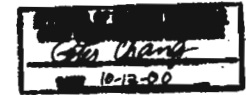
1. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL BE EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION AND SHALL INCLUDE UPDATE NO. 8.
2. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (260-1990) FOR LOCATION OF EXISTING UTILITIES.
3. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR SURVEYOR IMMEDIATELY SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
4. FIVE (5) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A BARRICADE PERMIT FROM THE CONST. COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (768-2551) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO SECTION 19 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.
5. CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE CITY SURVEYOR MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE CITY SURVEYOR AND SHALL NOTIFY THE CITY SURVEYOR AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE CITY SURVEYOR. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATIONS OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO SECTION 4.4 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.
6. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY GRAFFITI FROM ALL EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.

THE FOLLOWING NOTES ALSO APPLY WHEN CHECKED

- ☐ ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
- ☐ BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.
- ☐ TACK COAT REQUIREMENTS SHALL BE DETERMINED BY THE CITY ENGINEER.
- ☐ SIDEWALKS AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
- ☐ IF CURB IS DEEPRESSED FOR A DRIVEPAD, THE DRIVEPAD SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.
- ☒ ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.
- ☐ THE REQUESTOR OR DEVELOPER SHALL BE RESPONSIBLE FOR REPAIR OR REPLACEMENT OF ALL CURB AND GUTTER OR SIDEWALK DAMAGED AFTER APPROVAL BY THE CITY ENGINEER OF WORK COMPLETED BY THE CONTRACTOR.

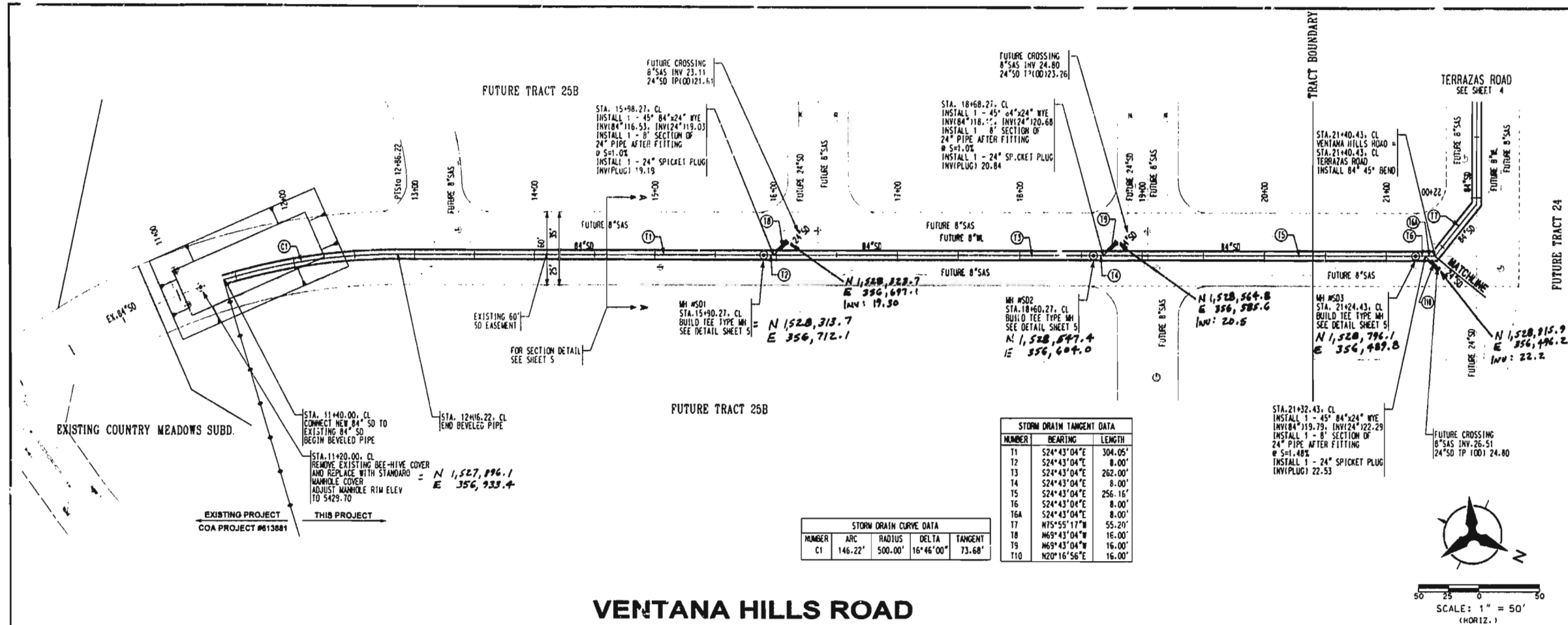
INDEX

SHEET NUMBER	DESCRIPTION
1	TITLE SHEET
2	OVERALL STORM DRAIN PLAN
3	STORM DRAIN PLAN & PROFILE
4	VENTANA HILLS ROAD
4	TERRAZAS ROAD
5	DETAILS

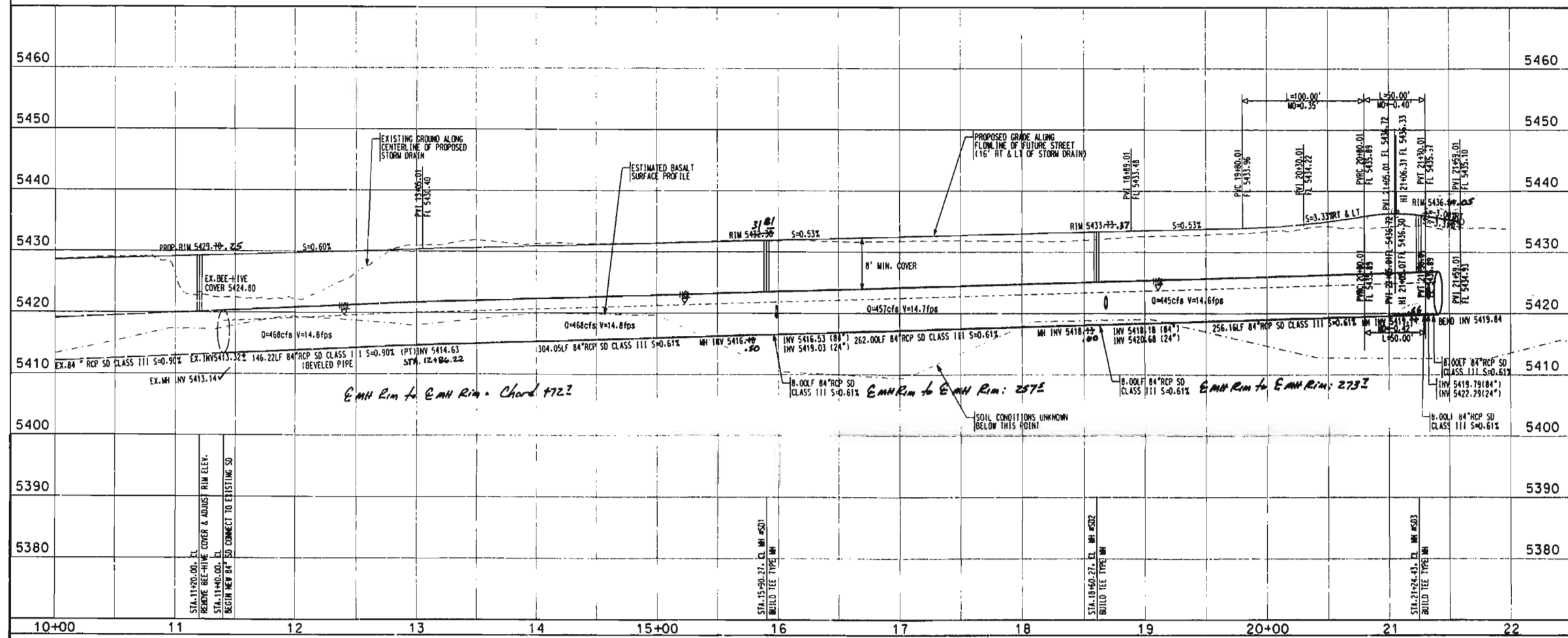


Bohannon & Huston
Surveyors
7500 JEFFERSON NE Albuquerque NEW MEXICO 87109
ENGINEERS PLANNERS PHOTOGRAMMETRISTS SURVEYORS SOFTWARE DEVELOPERS

REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
ENGINEERS STAMP & SIGNATURE		APPROVALS		ENGINEER	DATE	APPROVED FOR CONSTRUCTION	
		DRG Chairman	<i>[Signature]</i>	<i>[Signature]</i>	6-2-00	<i>[Signature]</i> City Engineer Date	
		Transportation	<i>[Signature]</i>	<i>[Signature]</i>	5/30/00		
		Water/Wastewater	<i>[Signature]</i>	<i>[Signature]</i>	5/30/00		
		Hydrology	<i>[Signature]</i>	<i>[Signature]</i>	5/30/00		
		Const. Mngmt.	<i>[Signature]</i>	<i>[Signature]</i>	6-2-00		
Const. Coord.	<i>[Signature]</i>	<i>[Signature]</i>	6-2-00				
DRB Case Number		City Project No.		Sheet		Of	
XXXX		XXXXXX 641181		1		5	



- NOTES:
- THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
 - CONTRACTOR SHALL PARK EQUIPMENT AND VEHICLES AS NOT TO INTERFERE WITH NORMAL ACTIVITIES OF RESIDENTS OR OTHER CONTRACTORS ON SITE.
 - ANY DAMAGE TO THE EXISTING FACILITIES (CURB & GUTTER, PAVEMENT, CONDUITS, LANDSCAPING, UTILITY LINES, ETC.) DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
 - ALL PIPE LENGTHS ARE FROM CENTER TO CENTER.



ENGINEER'S SEAL SURVEY INFORMATION

FIELD NOTES

DATE: 12/20/00

BY: [Signature]

NO. 1

REVISIONS

DATE 4/2000

DATE 4/2000

DATE 4/2000



Bohannon & Huston

County of Bernalillo, New Mexico

Albuquerque, New Mexico 87109

CITY OF ALBUQUERQUE

PUBLIC WORKS DEPARTMENT

ENGINEERING DEVELOPMENT GROUP

WEST BRANCH CALABACILLAS DIVERSION STORM DRAIN

STORM DRAIN PLAN & PROFILE

VENTANA HILLS ROAD

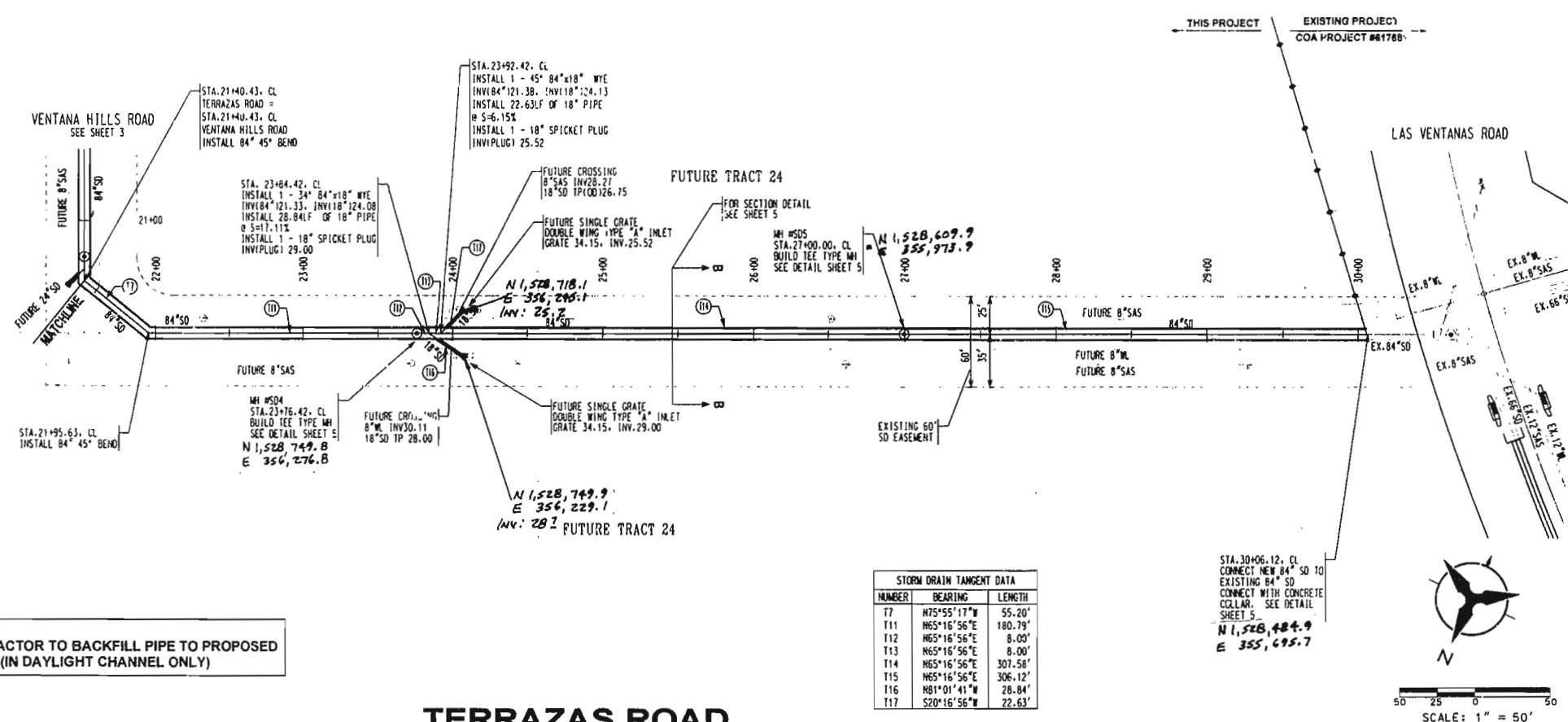
DESIGN REVIEW COMMITTEE

CITY ENGINEER

LAST DESIGN UPDATE

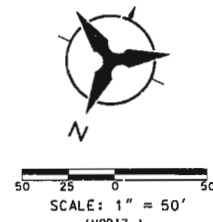
MO./DAY/YR.

MO./DAY/YR.

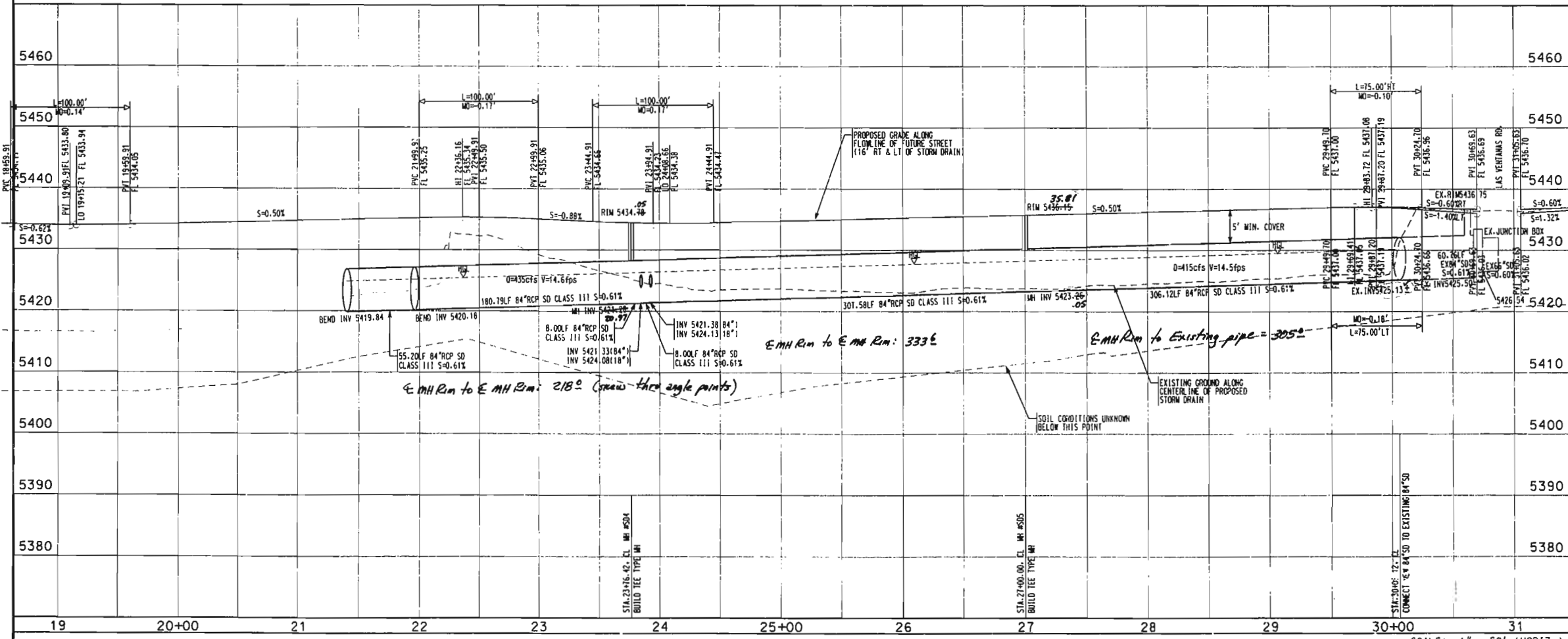


NOTE:
CONTRACTOR TO BACKFILL PIPE TO PROPOSED
GRADE (IN DAYLIGHT CHANNEL ONLY)

STORM DRAIN TANGENT DATA		
NUMBER	BEARING	LENGTH
T7	N75°55'17"W	55.20'
T11	N65°16'56"E	180.79'
T12	N65°16'56"E	8.00'
T13	N65°16'56"E	8.00'
T14	N65°16'56"E	307.58'
T15	N65°16'56"E	306.12'
T16	N81°01'41"W	28.84'
T17	S20°16'56"W	22.63'



- NOTES:
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 - CONTRACTOR SHALL PARK EQUIPMENT AND VEHICLES AS NOT TO INTERFERE WITH NORMAL ACTIVITIES OF RESIDENTS OR OTHER CONTRACTORS ON SITE.
 - ANY DAMAGE TO THE EXISTING FACILITIES (CURB & GUTTER, PAVEMENT, CONDUITS, LANDSCAPING, UTILITY LINES, ETC.) DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTORS' EXPENSE.
 - ALL PIPE LENGTHS ARE FROM CENTER TO CENTER.



AS-BUILT INFORMATION

CONTRACT NO. **New Concept**
SHEET NO. **641181**
DATE **4/2000**

SURVEY INFORMATION

NO. **1**
DATE **4/2000**
BY **BOHANNAN - HUSTON**

ENGINEER'S SEAL

REMARKS

DESIGN

NO. DATE

BY

DESIGNED BY

DATE

DRAWN BY

DATE

CHECKED BY

DATE

BOHANNAN - HUSTON

Courtyard One 7500 JEFFERSON NE Albuquerque NEW MEXICO 87109

CITY OF ALBUQUERQUE

PUBLIC WORKS DEPARTMENT

ENGINEERING DEVELOPMENT GROUP

WEST BRANCH CALABACILLAS DIVERSION STORM DRAIN

STORM DRAIN PLAN & PROFILE

TERRAZAS ROAD

DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL

MO./DAY/YR.

MO./DAY/YR.

LAST DESIGN UPDATE

CITY PROJECT NO.

641181

ZONE MAP NO.

B-9

SHEET

4

OF

5

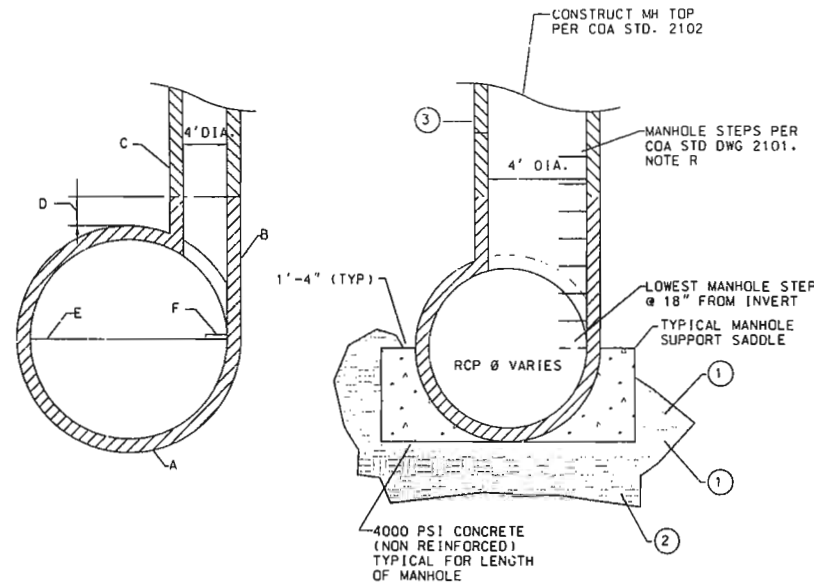
CITY ENGINEER

XXXXXX

DATE

4/2000

COPYRIGHT BOHANNAN-HUSTON, INC 2000



TEE TYPE MANHOLE
NO SCALE

GENERAL NOTES:

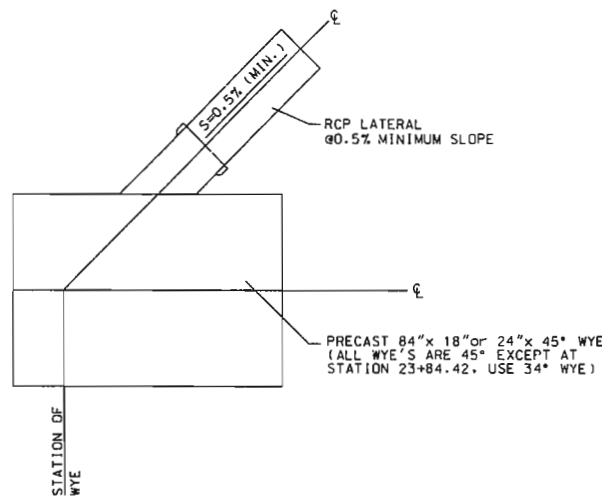
1. MANHOLE STEPS ARE REQUIRED FOR MANHOLES DEEPER THAN 6 FEET. LOWEST STEP SHOULD BE AT THE SPRINGLINE OF THE SEWER PIPE.
2. FIELD FABRICATION OF TEE OR ECCENTRIC PIPE UNIT WILL NOT BE ACCEPTED.
3. VERTICAL PIPE SHALL BE CENTERED WITHIN HORIZONTAL STORM SEWER PIPE SECTION.

CONSTRUCTION NOTES:

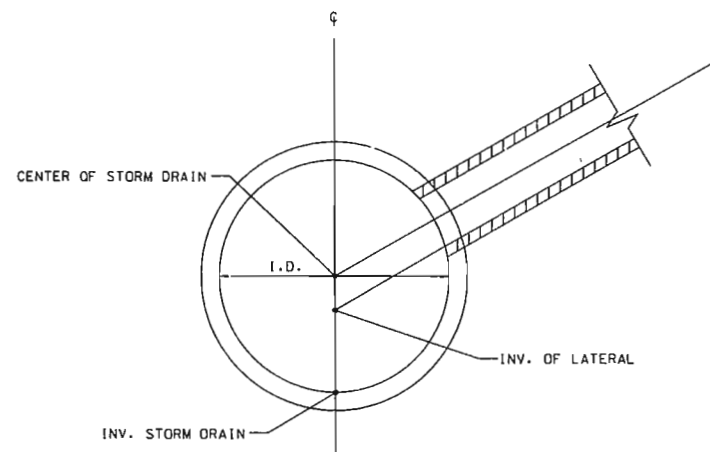
- A. STORM SEWER PIPE
- B. PRECAST VERTICAL PIPE
- C. PRECAST MANHOLE RISERS
- D. TOP OF VERTICAL PIPE MINIMUM 18" ABOVE
- E. SPRINGLINE
- F. LOWEST MANHOLE STEP

KEYED NOTES:

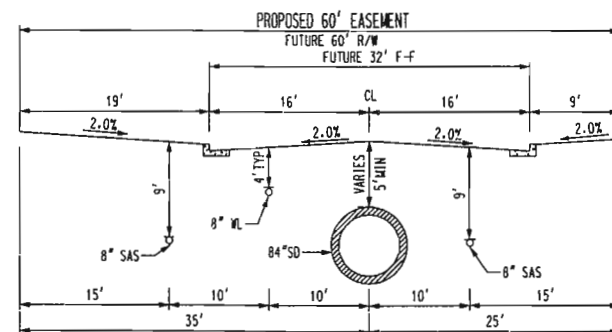
- ① BACKFILL COMPACTED PER COA STD SPECIFICATIONS
- ② 24" SUBGRADE COMPACTED TO 95% ASTM D-1557. COMPACT IN LIFTS NOT EXCEEDING 8" LOOSE.
- ③ 4' DIA. MANHOLE RISERS AS REQUIRED.



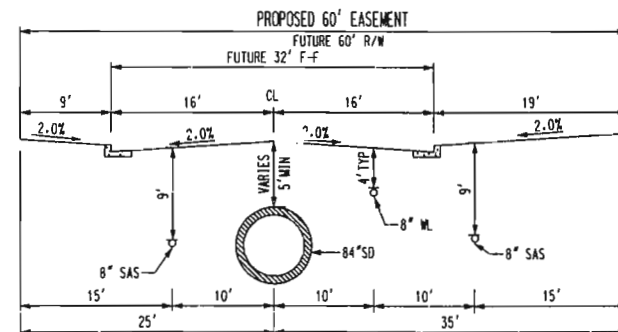
TYPICAL WYE PLAN DETAIL
NO SCALE



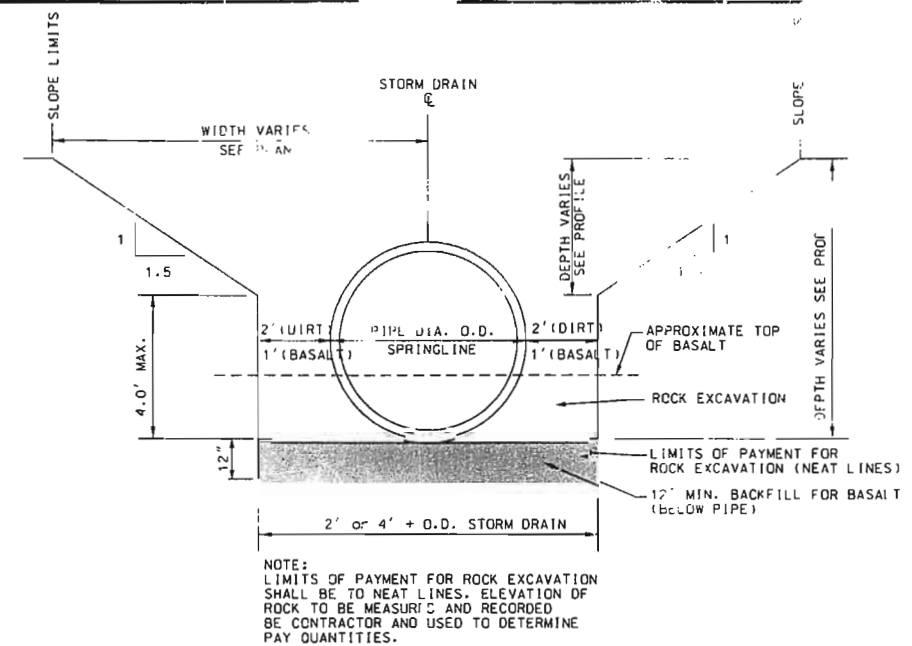
TYPICAL WYE DETAIL SECTION
NO SCALE



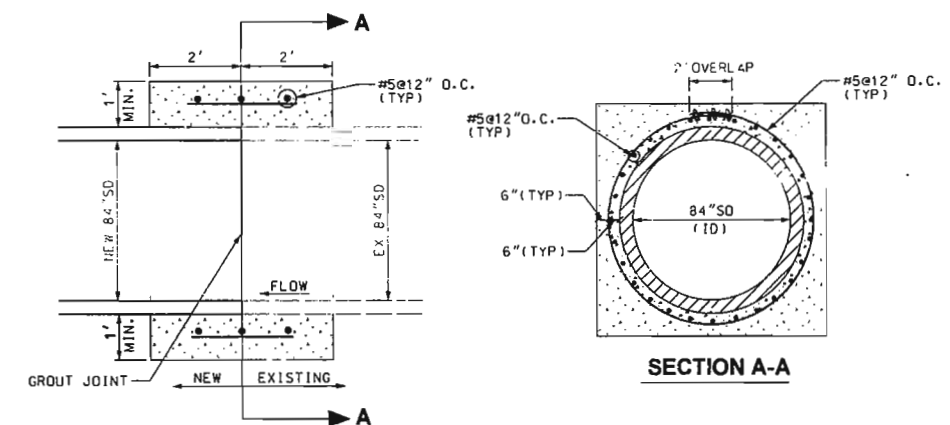
**SECTION A-A
VENTANA HILLS ROAD**
NO SCALE



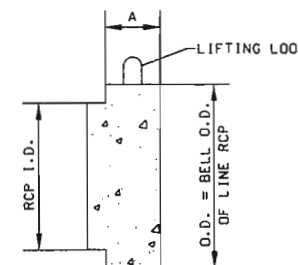
**SECTION B-B
TERRAZAS ROAD**
NO SCALE



TYPICAL TRENCH PRISM IN BASALT OR DIRT
NO SCALE



CONCRETE COLLAR DETAIL
NO SCALE



RCP I.D.	"A"
24" & SMALLER	3"
30"-42"	6"
48"-72"	8"
78"-96"	10"

RCP END PLUG
NO SCALE

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PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP
WEST BRANCH CALABACILLAS DIVERSION STORM DRAIN
DETAILS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	NO. 2 DAY/YR.	NO. 2 DAY/YR.
APPROVE	APPROVE	LAST DESIGN UPDATE	
DESIGN REVIEW COMMITTEE	CITY ENGINEER		

CITY PROJECT NO. **641181 XXXXXX** ZONE MAP NO. **R-9** SHEET **5** OF **5**
BHI JOB NO. 00374A 01