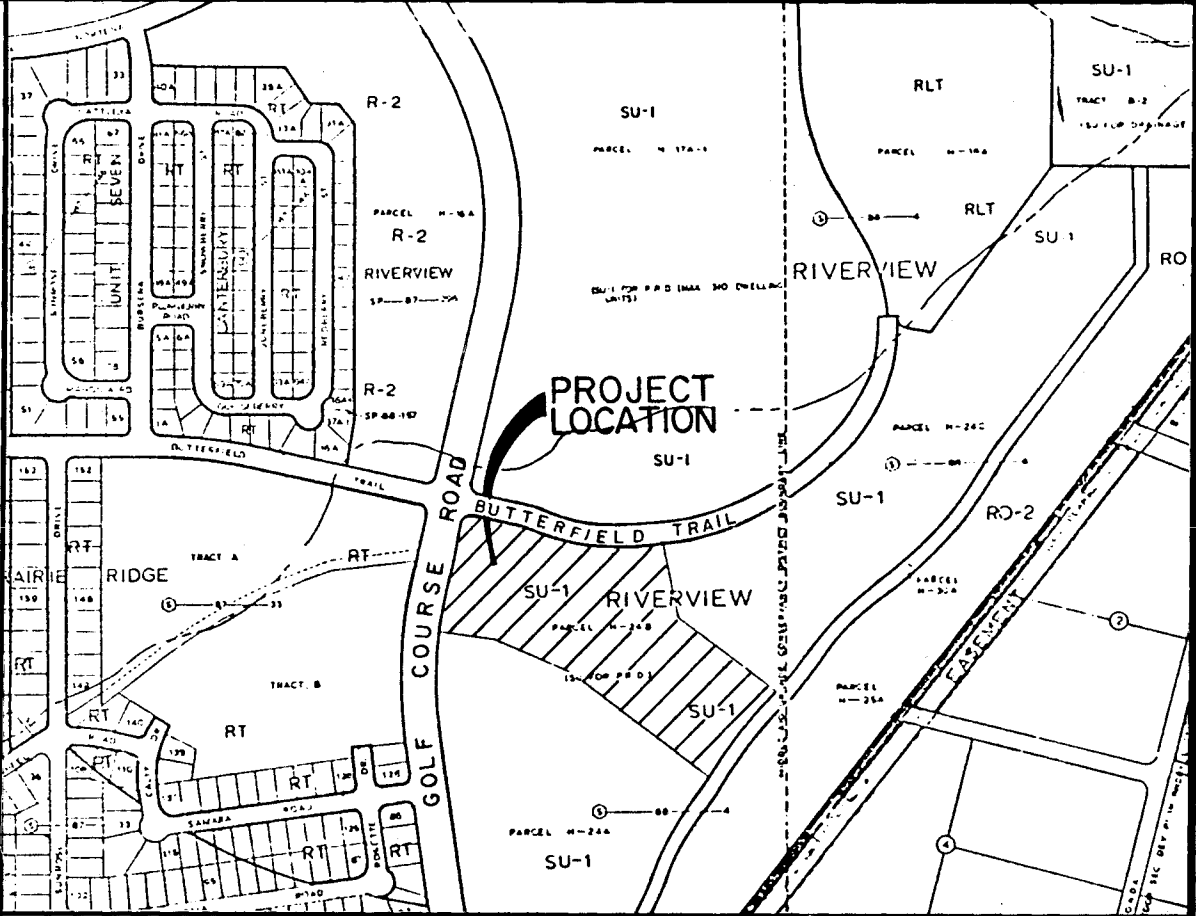


CONSTRUCTION PLANS
FOR
RIVERVIEW CROSSING
SUBDIVISION
ALBUQUERQUE, NEW MEXICO
DRB 92 - 0222



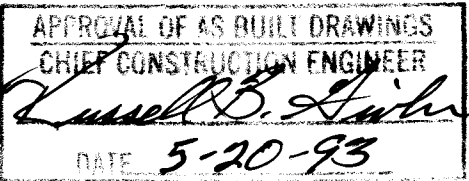
VICINITY MAP
NOT TO SCALE
D-12

NOTICE TO CONTRACTORS

- ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, 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.
- TWO WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (260-1990) FOR LOCATION OF EXISTING UTILITIES.
- 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.
- THREE (3) 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 BARRICADING 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.
- ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED IN KIND BY CONTRATOR TO LOCATION AND IN KIND AS EXISTING OR AS INDICATED BY THIS PLAN SET.
- CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE ENGINEER MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE ENGINEER AND SHALL NOTIFY THE ENGINEER AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE ENGINEER. 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 COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO SECTION 4.4 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.

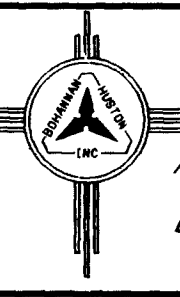
THE FOLLOWING NOTES ALSO APPLY WHEN CHECKED

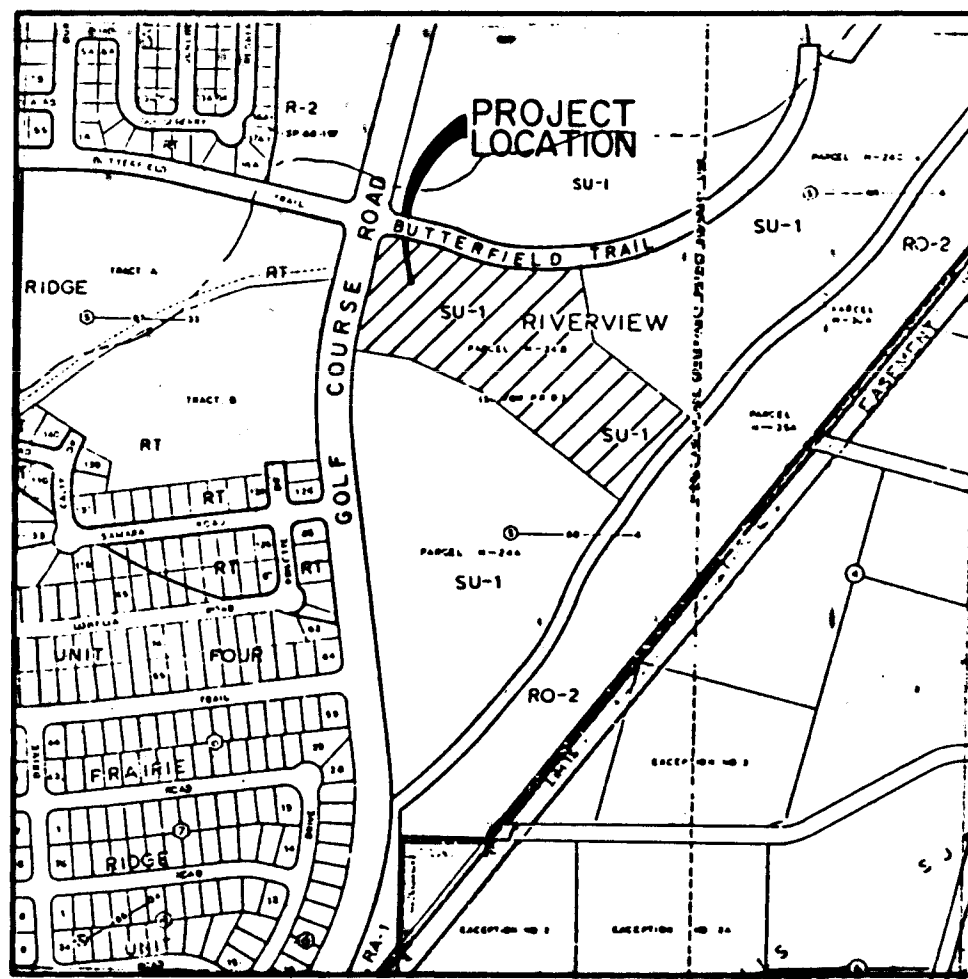
- ☒ ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
- ☐ BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.
- ☐ TACK COAT REQUIREMENTS SHALL BE DETERMINED BY THE CITY ENGINEER.
- ☒ SIDEWALKS AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
- ☒ IF CURB IS DEPRESSED 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.



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
26	45	44	90	01	93									

REV	3	DATE	08-27-93	USER	ALBY/HYDE	DATE	8-16-93
REV	3	DATE	4-7-93	USER	ALBY/HYDE	DATE	4-15-93
APPROVAL OF REVISIONS							

amara K. Morgan 2018-11-1992	 BOHANNAN HUSTON INC. ALBUQUERQUE, NEW MEXICO ENGINEERS PLANNERS PHOTOGRAMMETRISTS	APPROVED FOR CONSTRUCTION
		SHEET 1 OF 11
PROJECT NUMBER 4544.90		

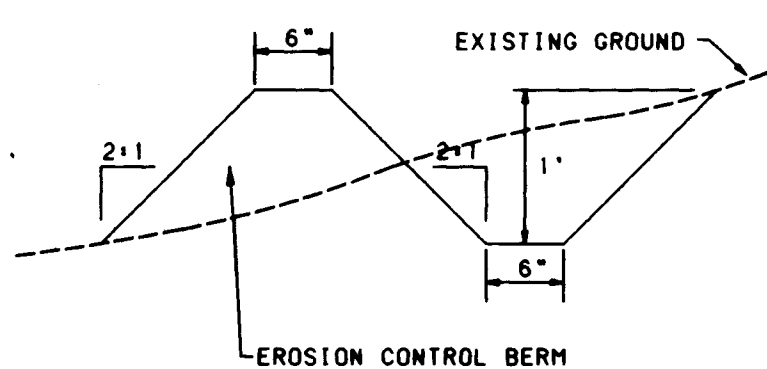


LOCATION MAP

ZONE ATLAS MAP NO. E-21
NO SCALE

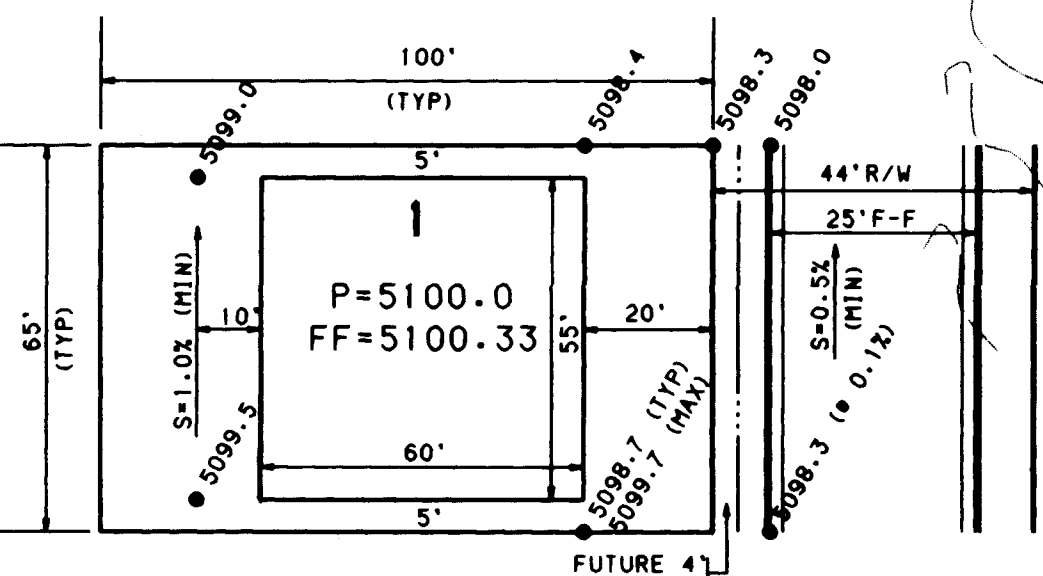
LEGEND

- PROJECT BOUNDARY
EXISTING CONTOUR
PROPOSED SPOT ELEVATION
DIRECTION OF FLOW
PROPOSED RETAINING WALL
EXISTING STORM DRAIN LINE
EXISTING STORM DRAIN MANHOLE
PROPOSED STORM DRAIN LINE
PROPOSED STORM DRAIN INLET
EROSION CONTROL BERM



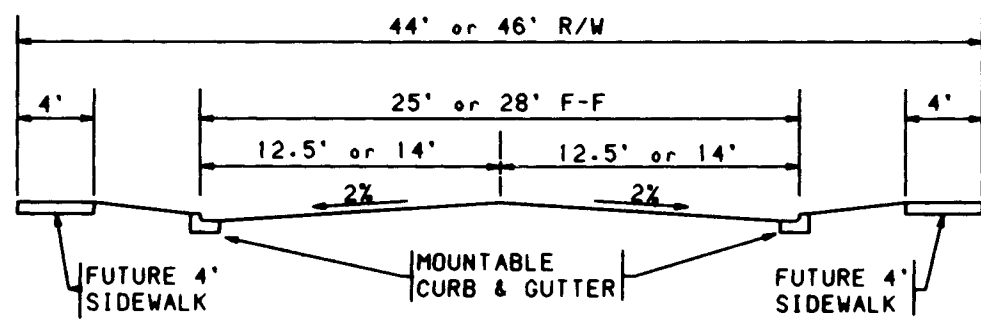
EROSION CONTROL PLAN

NO SCALE
A BERM WITH THE DIMENSIONS SHOWN SHALL BE MAINTAINED DURING CONSTRUCTION UNTIL COMPLETION OF INDIVIDUAL HOMES WITHIN THE PROJECT.



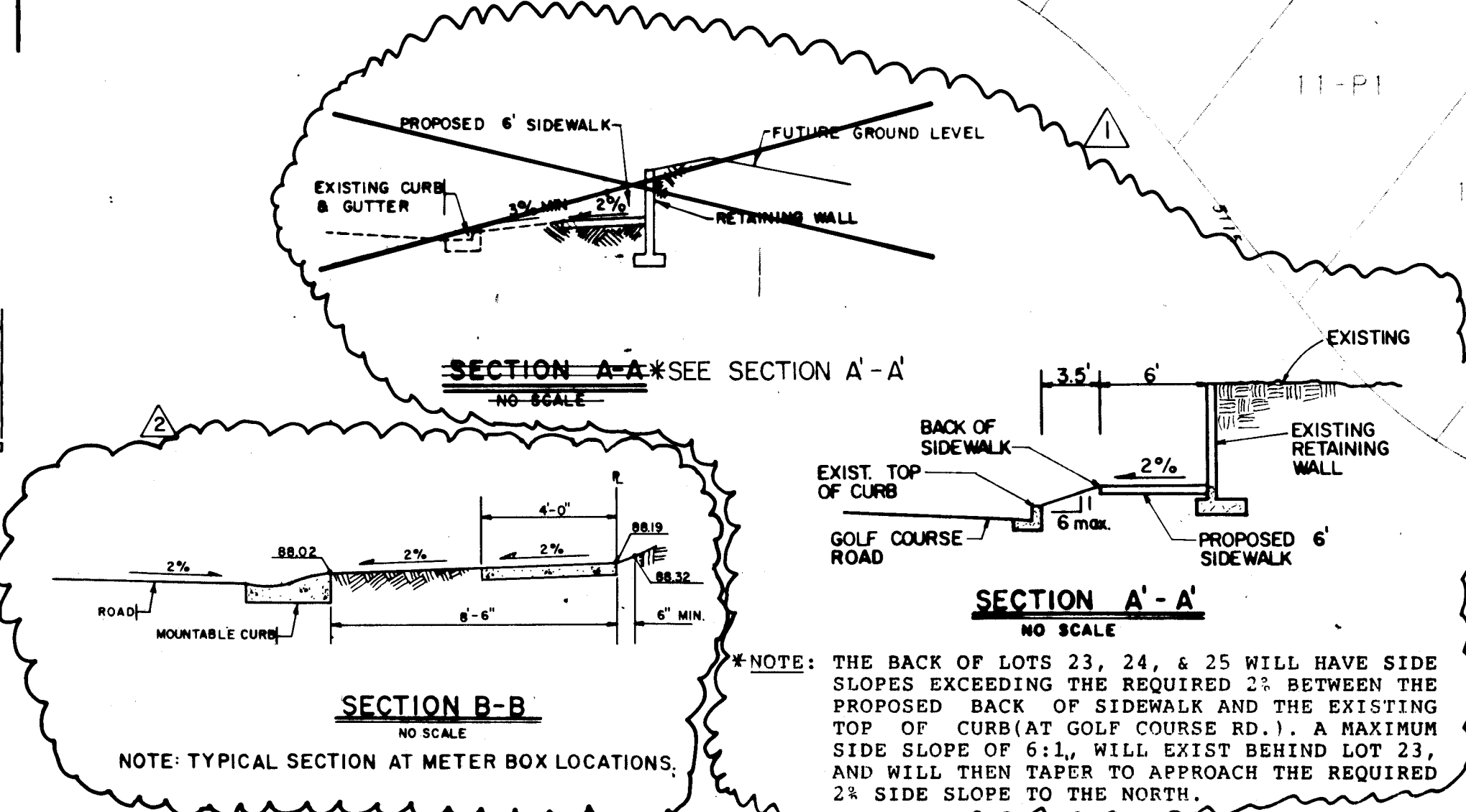
TYPICAL LOT GRADING PLAN

NO SCALE



TYPICAL STREET SECTION

NO SCALE



SECTION B-B

NOTE: TYPICAL SECTION AT METER BOX LOCATIONS.

SECTION A-A

*NOTE: THE BACK OF LOTS 23, 24, & 25 WILL HAVE SIDE SLOPES EXCEEDING THE REQUIRED 2% BETWEEN THE PROPOSED BACK OF SIDEWALK AND THE EXISTING TOP OF CURB (AT GOLF COURSE RD.). A MAXIMUM SIDE SLOPE OF 6:1, WILL EXIST BEHIND LOT 23, AND WILL THEN TAPER TO APPROACH THE REQUIRED 2% SIDE SLOPE TO THE NORTH.

GOLF COURSE ROAD
106' R/W

TURN BLOCKS ON EDGE FOR
DEEP MOLES. TYPICAL FOR
REAR DRAINING LOTS. SEE
DETAIL SHEET 3A OF 11.

PROPOSED TYPE "A" REVISED STORM
INLET SEE SHEET 7 OF 11

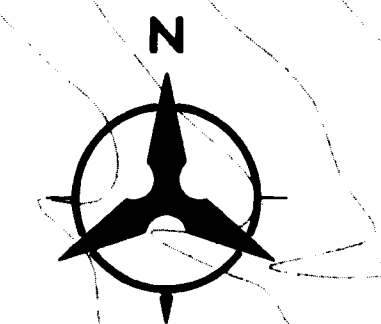
BUTTERFIELD TRAIL

EXISTING STORM DRAIN &
SAS UTILITY EASEMENT

PROPOSED TYPE "A"
DROP INLETS

BUTTERFIELD TRAIL

10:1 TEMPORARY ASPHALT CURB TRANSITION

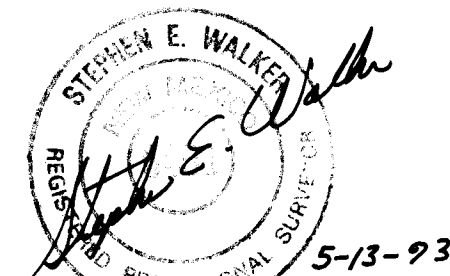


SCALE: 1" = 50'

GENERAL NOTES:

1. ALL GRADING AND CONSTRUCTION UNDER THIS PLAN SHALL BE IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, LATEST EDITION, EXCEPT AS MAY MODIFIED BY THE ABOVE.
2. CONSTRUCTION ACTIVITY SHALL BE LIMITED TO THE PROPERTY AND/OR PROJECT LIMITS. THE CONTRACTOR SHALL NOT DISTURB THE AREAS IN WHICH NO GRADING IS INDICATED. ANY DAMAGE TO ADJACENT PROPERTIES RESULTING FROM THE CONSTRUCTION PROCESS IS THE RESPONSIBILITY OF THE CONTRACTOR. ANY COSTS INCURRED FOR REPAIRS SHALL BE THE COST OF THE CONTRACTOR.
3. THE CONTRACTOR SHALL ABIDE BY ALL LOCAL, STATE, AND FEDERAL LAWS, RULES, AND REGULATIONS WHICH APPLY TO THE CONSTRUCTION OF THESE IMPROVEMENTS AND GRADING OPERATIONS.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL CONSTRUCTION PERMITS AND INSPECTION APPROVALS NECESSARY FOR THE CONSTRUCTION OF THESE FACILITIES AND ALL GRADING OPERATIONS.
5. THE CONTRACTOR SHALL SECURE A "TOPSOIL DISTURBANCE PERMIT" PRIOR TO BEGINNING CONSTRUCTION. THE COST FOR REQUIRED CONSTRUCTION DUST AND EROSION CONTROL MEASURES SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT COST.
6. THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE SITE INTO PUBLIC RIGHT-OF-WAY OR ONTO PRIVATE PROPERTY. THIS MAY BE ACHIEVED BY CONSTRUCTION OF TEMPORARY BERMS AT THE PROPERTY LINES, OR AS SHOWN ON PLAN, WETTING THE SOIL TO KEEP IT FROM BLOWING, AND OTHER ACCEPTABLE METHODS.
7. MAXIMUM SLOPES OUTSIDE THE BUILDING PAD ENVELOPES AND AWAY FROM WALLS SHALL BE 3:1 (HORIZONTAL:VERTICAL).
8. UNLESS OTHERWISE SHOWN, DRAINAGE SLOPES SHALL HAVE A MINIMUM 1% SLOPE IN THE DIRECTION OF FLOW.

"AS-BUILT" (HORIZONTAL
AND VERTICAL LOCATION ONLY)



APPROVED FOR ROUGH GRADING (1")
10-06-92
Hydrology Engineer

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP
THE RIVERVIEW CROSSING SUBDIVISION
FINAL GRADING PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	B. J. J. J.	12-24-92	WATER	R. W. Kame	10-23-92
TRANSPORTATION	N. B. J. J.	10-23-92	WASTE WATER	R. W. Kame	10-23-92
HYDROLOGY	A. J. J.	12-23-92			

DRAWING NO. 4544.90 MAP NO. D-12 SHEET 3 OF 11

BHI JOB NO. 92196.02

LOCATION MAP

ZONE ATLAS MAP NO. E-21
NO SCALE

LEGEND

- PROJECT BOUNDARY
- EXISTING CONTOUR
- PROPOSED SPOT ELEVATION
- DIRECTION OF FLOW
- BASIN BOUNDARY
- PROPOSED RETAINING WALL
- EXISTING STORM DRAIN LINE
- EXISTING STORM DRAIN MANHOLE
- PROPOSED STORM DRAIN LINE
- PROPOSED STORM DRAIN INLET
- EROSION CONTROL BERM
- PROPOSED FINISHED CONTOUR
- APPROXIMATE LOCATION OF FLOOD PLAIN PER F.I.R.M. (SEE NOTE 2)

Legend symbols include: a dashed line for Project Boundary; a solid line with dots for Existing Contour; a solid line with a dot and the number 15.42 for Proposed Spot Elevation; a solid line with an arrow for Direction of Flow; a solid line with a thick black line for Basin Boundary; a solid line with a thick black line for Proposed Retaining Wall; a solid line for Existing Storm Drain Line; a circle with a cross for Existing Storm Drain Manhole; a solid line with a cross for Proposed Storm Drain Inlet; a solid line with a thick black line for Erosion Control Berm; a solid line with a thick black line for Proposed Finished Contour; and a hatched pattern for the Approximate Location of Flood Plain per F.I.R.M. (See Note 2).

EROSION CONTROL PLAN

NO SCALE

A BERM WITH THE DIMENSIONS SHOWN SHALL BE MAINTAINED DURING CONSTRUCTION UNTIL COMPLETION OF INDIVIDUAL HOMES WITHIN THE PROJECT.

[illegible]

TYPICAL LOT GRADING PLAN

NO SCALE

44' or 46' R/W

4'

25' or 28' F-F

12.5' or 14'

12.5' or 14'

2%

2%

FUTURE 4' SIDEWALK

MOUNTABLE CURB & GUTTER

FUTURE 4' SIDEWALK

TYPICAL STREET SECTION

NO SCALE

GENERAL NOTES:

1. ALL GRADING AND CONSTRUCTION UNDER THIS PLAN SHALL BE IN ACCORDANCE WITH THE "NEW MEXICO STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION", LATEST EDITION, EXCEPT AS MAY MODIFIED BY THE ABOVE
2. CONSTRUCTION ACTIVITY SHALL BE LIMITED TO THE PROPERTY AND/OR PROJECT LIMITS. THE CONTRACTOR SHALL NOT DISTURB THE AREAS IN WHICH NO GRADING IS INDICATED. ANY DAMAGE TO ADJACENT PROPERTIES RESULTING FROM THE CONSTRUCTION PROCESS IS THE RESPONSIBILITY OF THE CONTRACTOR. ANY COSTS INCURRED FOR REPAIRS SHALL BE THE COST OF THE CONTRACTOR.
3. THE CONTRACTOR SHALL ABIDE BY ALL LOCAL, STATE, AND FEDERAL LAWS, RULES, AND REGULATIONS WHICH APPLY TO THE CONSTRUCTION OF THESE IMPROVEMENTS AND GRADING OPERATIONS.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL CONSTRUCTION PERMITS AND INSPECTION APPROVALS NECESSARY FOR THE CONSTRUCTION OF THESE FACILITIES AND ALL GRADING OPERATIONS.
5. THE CONTRACTOR SHALL SECURE A "TOPSOIL DISTURBANCE PERMIT" PRIOR TO BEGINNING CONSTRUCTION. THE COST FOR REQUIRED CONSTRUCTION DUST AND EROSION CONTROL MEASURES SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT COST.
6. THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE SITE INTO PUBLIC RIGHT-OF-WAY OR ONTO PRIVATE PROPERTY. THIS MAY BE ACHIEVED BY CONSTRUCTION OF TEMPORARY BERMS AT THE PROPERTY LINES, WETTING THE SOIL TO KEEP IT FROM BLOWING, AND OTHER ACCEPTABLE METHODS.
7. MAXIMUM SLOPES OUTSIDE THE BUILDING PAD ENVELOPES AND AWAY FROM WALLS SHALL BE 3:1 (HORIZONTAL:VERTICAL).
8. UNLESS OTHERWISE SHOWN, DRAINAGE SWALES SHALL HAVE A MINIMUM 1% SLOPE IN THE DIRECTION OF FLOW.
9. A CONDITIONAL LETTER OF MAP REVISION REQUEST HAS BEEN SUBMITTED TO FEMA FOR APPROVAL AND IS CURRENTLY UNDER REVIEW, WHICH WILL REMOVE THIS FLOODPLAIN IMPACT AND RESULT IN THE CONFINEMENT OF THE FLOODPLAIN TO CONSTRUCTION IMPROVEMENTS.

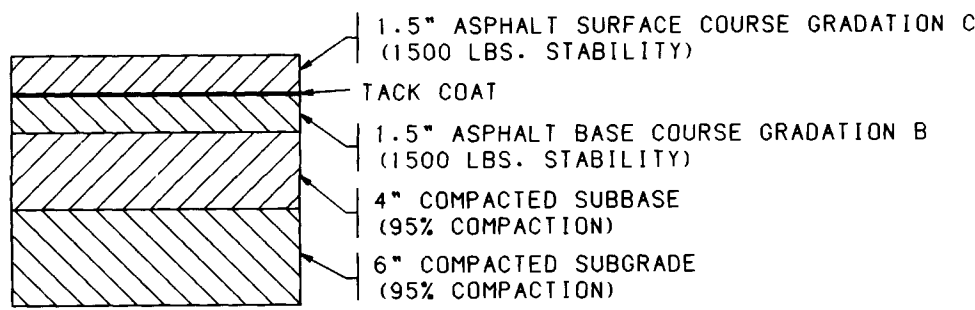
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[illegible]

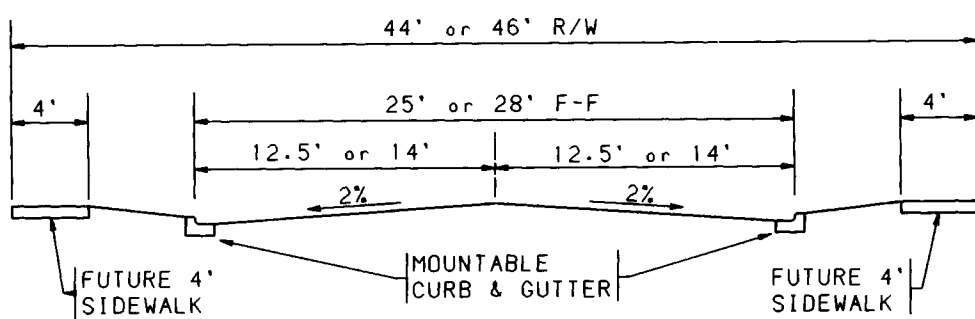
		CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP			
THE RIVERVIEW CROSSING SUBDIVISION FINAL DRAINAGE PLAN					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	<i>S.G. Sanchez</i>	<i>12-24-92</i>	WATER	<i>R.W. Kane</i>	<i>10-23-92</i>
TRANSPORTATION	<i>N/A</i>	<i>10-29-92</i>	WASTE WATER	<i>R.W. Kane</i>	<i>10-23-92</i>
HYDROLOGY	<i>S. Rife</i>	<i>12-23-92</i>			

DRAWING NO.	4544.90	MAP NO.	D-12	SHEET	3A	OF	11
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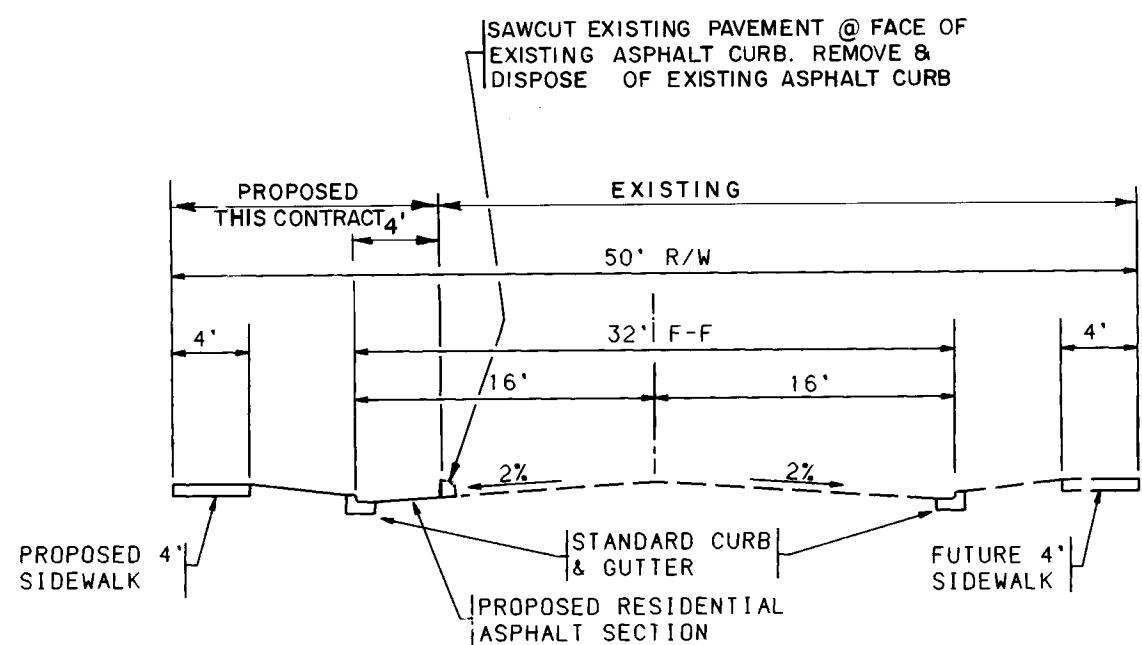
- LEGEND**
- PROJECT BOUNDARY
PROPOSED CURB & GUTTER
EXISTING CURB & GUTTER
FUTURE SIDEWALK
PROPOSED SANITARY SEWER MANHOLE
EXISTING SANITARY SEWER MANHOLE
PROPOSED FIRE HYDRANT
EXISTING FIRE HYDRANT
PROPOSED GATE VALVE
EXISTING GATE VALVE
PROPOSED STORM DRAIN LINE
PROPOSED STORM DRAIN MANHOLE
PROPOSED STORM DRAIN INLET
EXISTING STORM DRAIN LINE
EXISTING STORM DRAIN MANHOLE
EXISTING STORM DRAIN INLET
CROWN FLATTENING
PROPOSED CONDUIT PIPE
EXISTING CONDUIT PIPE
PROPOSED STREET LIGHT
EXISTING STREET LIGHT



TYPICAL PAVEMENT SECTION
NO SCALE

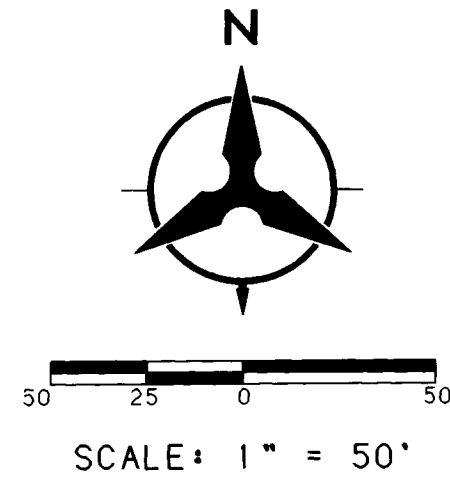
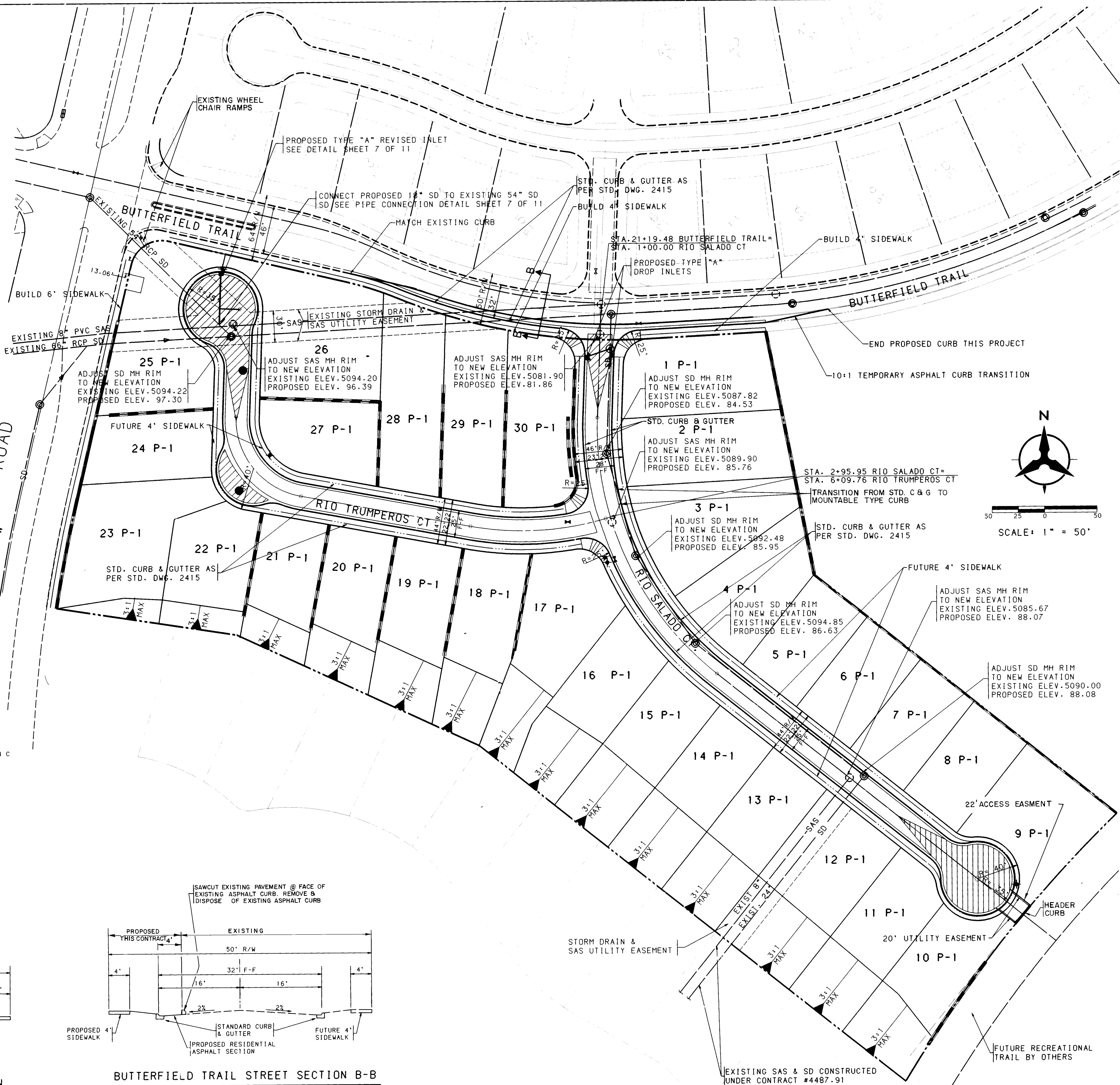


TYPICAL RESIDENTIAL STREET SECTION
NO SCALE



BUTTERFIELD TRAIL STREET SECTION B-B
NO SCALE

GOLF COURSE ROAD
106' R/W

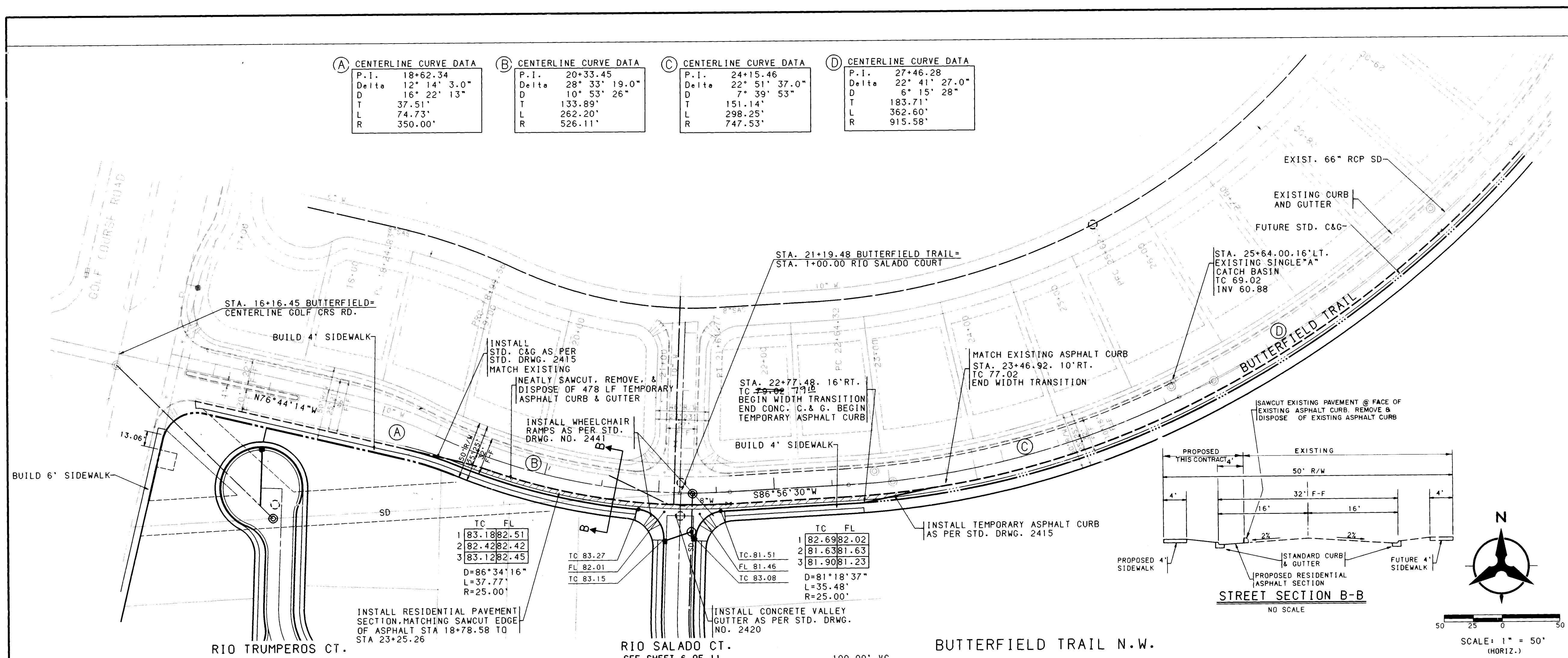


- NOTES**
1. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
 2. ALL CURB RETURN RADIUS SHALL BE 25' TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.
 3. ALL CURVE DATA AND DIMENSIONS REFER TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.
 4. GRADE ELEVATIONS, WHERE NOTED, ARE FOR TOP OF STANDARD CURB UNLESS OTHERWISE SPECIFIED.
 5. CONTRACTOR IS TO INSTALL A 4"x4"x5' POST AND END AT THE END OF EACH SANITARY SEWER SERVICE.
 6. CONTRACTOR IS RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT OF ALL UTILITY CONDUITS AND EXISTING LINES.
 7. ANY ADDITIONAL GRADING REQUIRED TO MATCH PROPOSED STREET GRADES SHALL BE INCIDENTAL TO PAVING ITEMS.
 8. CONTRACTOR SHALL PROVIDE THE INSPECTORS, (CITY AND PRIVATE) WITH THE PROPOSED HYDROSTATIC TESTING PLAN. THE PLAN MUST BE APPROVED BEFORE TESTING OPERATIONS BEGIN.
 9. CONTRACTOR SHALL PARK EQUIPMENT AND VEHICLES AS NOT TO INTERFERE WITH NORMAL ACTIVITIES OF RESIDENTS OR OTHER CONTRACTORS ON SITE.
 10. ANY DAMAGE TO THE EXISTING FACILITIES (CURB AND GUTTER, PAVEMENT, CONDUITS, LANDSCAPING, UTILITY LINES, ETC.) DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTORS EXPENSE.
 11. REMOVAL OF THE EXISTING CURB AND GUTTER SHALL BE AS PER COA STD. DWG. 2415 (SAWCUT ONLY).
 12. WHEEL CHAIR RAMPS SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26 45 44 90 0 4 9 3

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
THE RIVERVIEW CROSSING SUBDIVISION PAVING & STORM DRAIN PLAN					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRG CHAIRMAN	S. G. Gentry	12-24-92	WATER	R. W. Kane	10-23-92
TRANSPORTATION	N/A	10-23-92	WASTE WATER	R. W. Kane	10-23-92
HYDROLOGY	S. Gentry	12-23-92			
DRAWING NO.	4544.90	MAP NO. D-12	SHEET 4	OF 11	

BHI JOB NO. 92196-02



- NOTES
1. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
 2. ALL CURB RETURN RADII SHALL BE 25' TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.
 3. ALL CURVE DATA AND DIMENSIONS REFER TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.
 4. GRADE ELEVATIONS, WHERE NOTED, ARE FOR TOP OF STANDARD CURB UNLESS OTHERWISE SPECIFIED.
 5. CONTRACTOR IS TO INSTALL A 4"x4"x5' POST AND END AT THE END OF EACH SANITARY SEWER SERVICE.
 6. CONTRACTOR IS RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT OF ALL UTILITY CONDUITS AND EXISTING LINES.
 7. ANY ADDITIONAL GRADING REQUIRED TO MATCH PROPOSED STREET GRADES SHALL BE INCIDENTAL TO PAVING ITEMS.
 8. CONTRACTOR SHALL PROVIDE THE INSPECTORS (CITY AND PRIVATE) WITH THE PROPOSED HYDROSTATIC TESTING PLAN. THE PLAN MUST BE APPROVED BEFORE TESTING OPERATIONS BEGIN.
 9. CONTRACTOR SHALL PARK EQUIPMENT AND VEHICLES AS NOT TO INTERFERE WITH NORMAL ACTIVITIES OF RESIDENTS OR OTHER CONTRACTORS ON SITE.
 10. ANY DAMAGE TO THE EXISTING FACILITIES (CURB AND GUTTER, PAVEMENT, CONDUITS, LANDSCAPING, UTILITY LINES, ETC.) DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTORS EXPENSE.
 11. REMOVAL OF THE EXISTING CURB AND GUTTER SHALL BE AS PER COA STD. DWG. 2415 (SAWCUT ONLY).
 12. WHEEL CHAIR RAMPS SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.

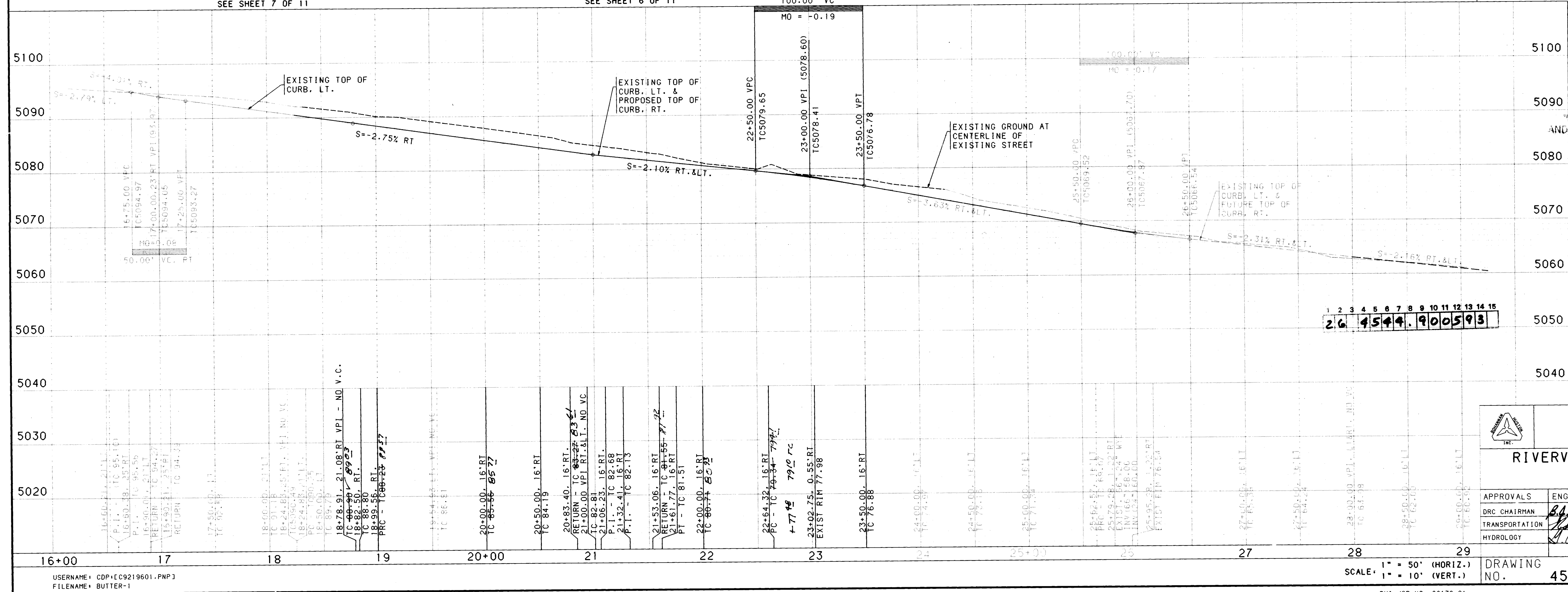
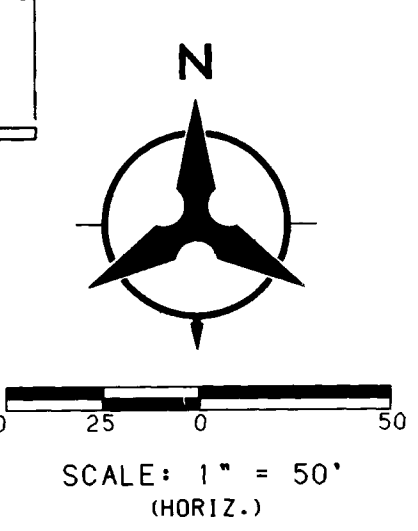
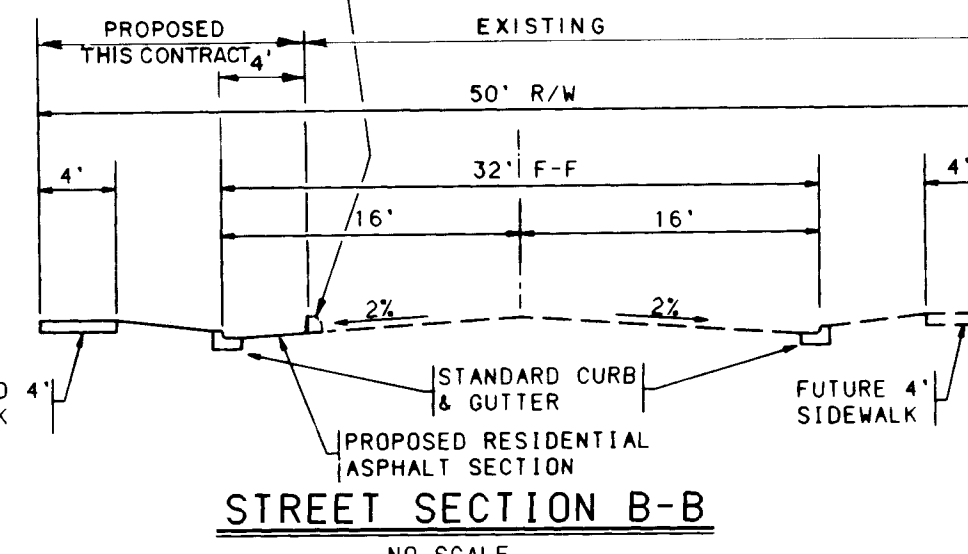
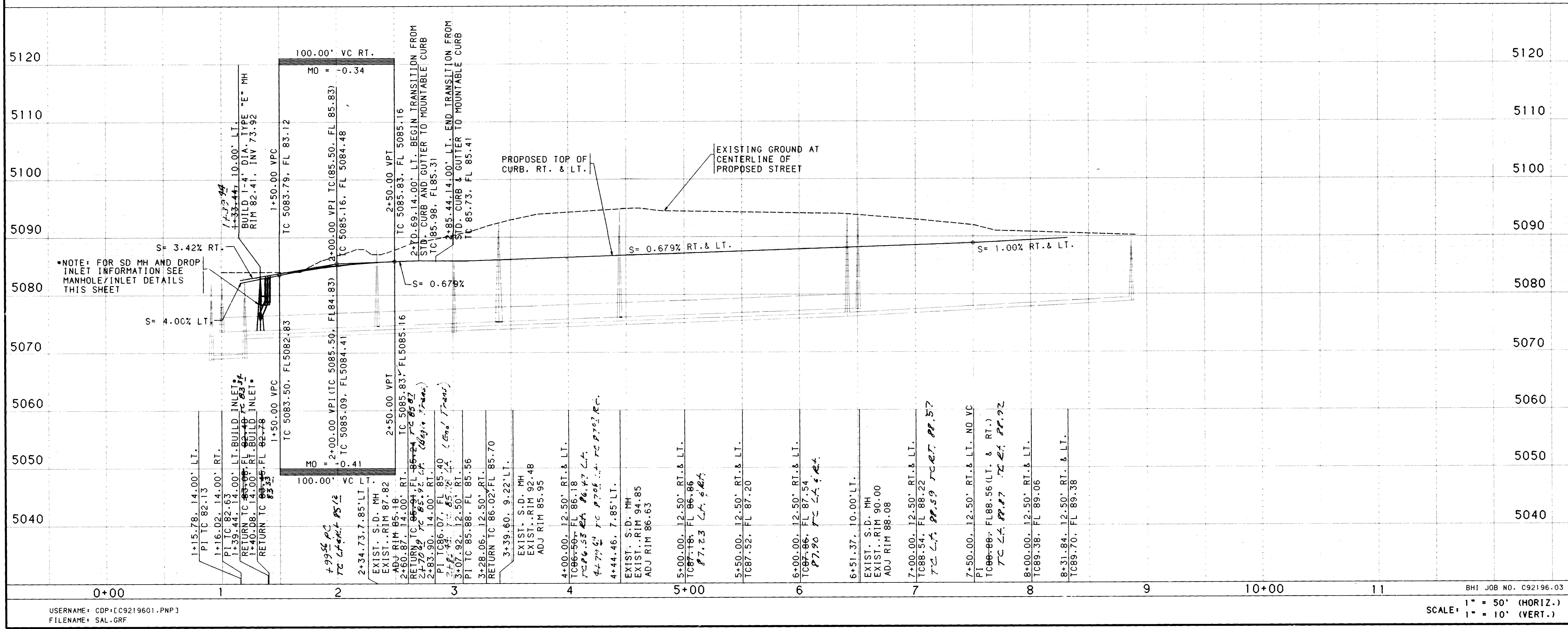
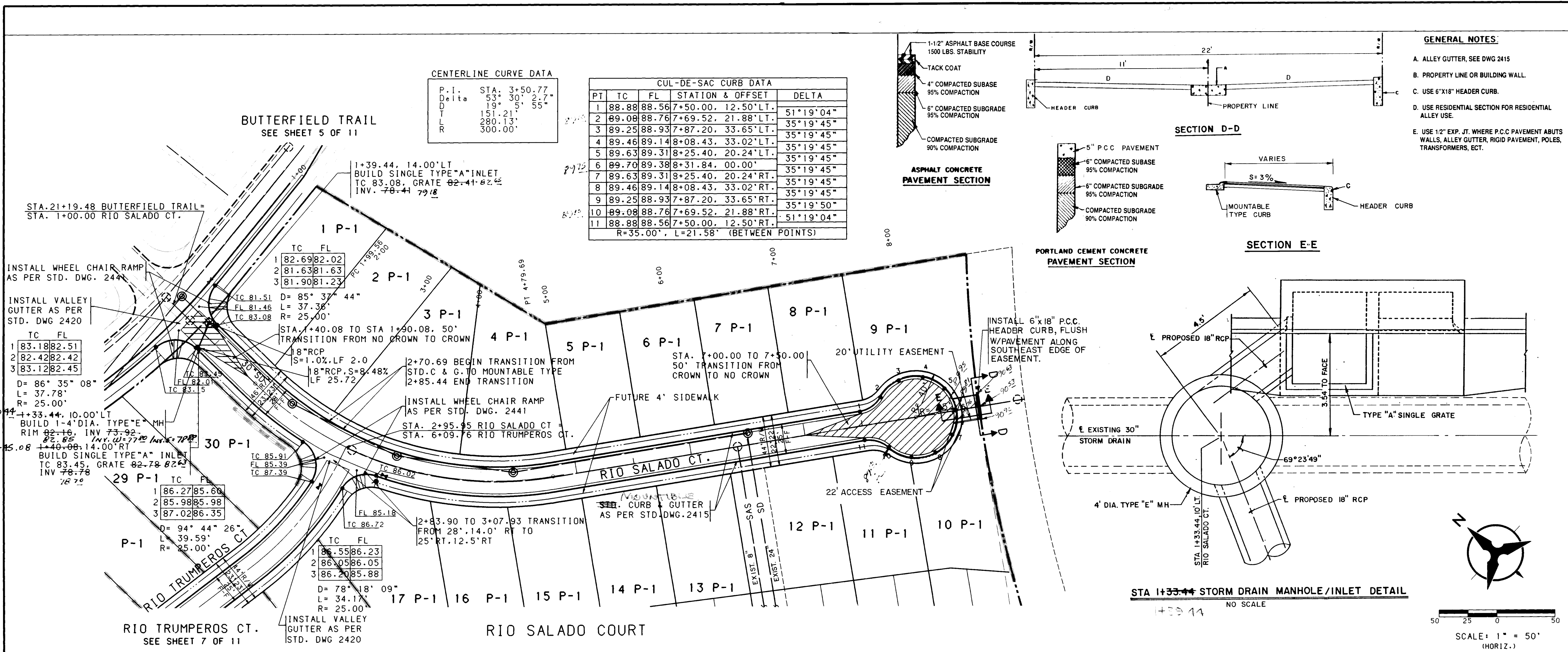


Table with 2 columns: NO., DATE. Includes revision history and design notes.

Table with 2 columns: APPROVALS, ENGINEER. Includes signatures and dates for various roles.

AS-BUILT INFORMATION, BENCH MARKS, SURVEY INFORMATION, ENGINEER'S SEAL, and other project details.



GENERAL NOTES

- ALLEY GUTTER, SEE DWG 2415
- PROPERTY LINE OR BUILDING WALL
- USE 6"x18" HEADER CURB
- USE RESIDENTIAL SECTION FOR RESIDENTIAL ALLEY USE
- USE 12" EXP. JT. WHERE P.C.C. PAVEMENT ABUTS WALLS, ALLEY GUTTER, RIGID PAVEMENT, POLES, TRANSFORMERS, ECT.

NOTES

- THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
- ALL CURB RETURN RADII SHALL BE 25' TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.
- ALL CURVE DATA AND DIMENSIONS REFER TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.
- GRADE ELEVATIONS, WHERE NOTED, ARE FOR TOP OF STANDARD CURB UNLESS OTHERWISE SPECIFIED.
- CONTRACTOR IS TO INSTALL A 4"x4"x5' POST AND END AT THE END OF EACH SANITARY SEWER SERVICE.
- CONTRACTOR IS RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT OF ALL UTILITY CONDUITS AND EXISTING LINES.
- ANY ADDITIONAL GRADING REQUIRED TO MATCH PROPOSED STREET GRADES SHALL BE INCIDENTAL TO PAVING ITEMS.
- CONTRACTOR SHALL PROVIDE THE INSPECTORS, (CITY AND PRIVATE) WITH THE PROPOSED HYDROSTATIC TESTING PLAN. THE PLAN MUST BE APPROVED BEFORE TESTING OPERATIONS BEGIN.
- 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 AND GUTTER, PAVEMENT, CONDUITS, LANDSCAPING, UTILITY LINES, ETC.) DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTORS EXPENSE.
- REMOVAL OF THE EXISTING CURB AND GUTTER SHALL BE AS PER COA STD. DWG. 2415 (SAWCUT ONLY).
- WHEEL CHAIR RAMPS SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.

AS-BUILT INFORMATION

CONTRACTOR: UNIVERSAL

STATION MARK: IS A STANDARD US&GS BRASS

TABLET: STAMPED "HUGHES-1954", SET IN TOP OF A CONCRETE POST PROJECTING 0.3 FT. ABOVE THE GROUND. TO REACH THE STATION FROM THE INTERSECTION OF CENTRAL AVE. AND COORS GO NORTH OF THIS POINT TO A FENCED-IN PRAIRIE ON THE WEST SIDE OF COORS RD ELEV. 5049.93

ENGINEER'S SEAL

DATE: 5-13-93

REVISIONS

NO.	DATE	REMARKS
1	5-13-93	DESIGN

CITY OF ALBUQUERQUE

PUBLIC WORKS DEPARTMENT

ENGINEERING

RIVERVIEW CROSSING

PAVING PLAN & PROFILE

RIO SALADO COURT

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	R.W. Kane	12-23-92	WATER	R.W. Kane	12-23-92
TRANSPORTATION	R.W. Kane	12-23-92	WASTE WATER	R.W. Kane	12-23-92
HYDROLOGY	R.W. Kane	12-23-92			

DESIGNED BY: THM DATE: 9/92

DRAWN BY: THM/OR DATE: 9/92

CHECKED BY: KLD DATE: 9/92

USERNAME: CDP\19601.PNP

FILENAME: SAL.GRF

BHI JOB NO. C92196.03

SCALE: 1" = 50' (HORIZ.)

SCALE: 1" = 10' (VERT.)

DRAWING NO. 4544.90

MAP NO. D-12

SHEET 6 OF 11

CENTERLINE CURVE DATA (A)

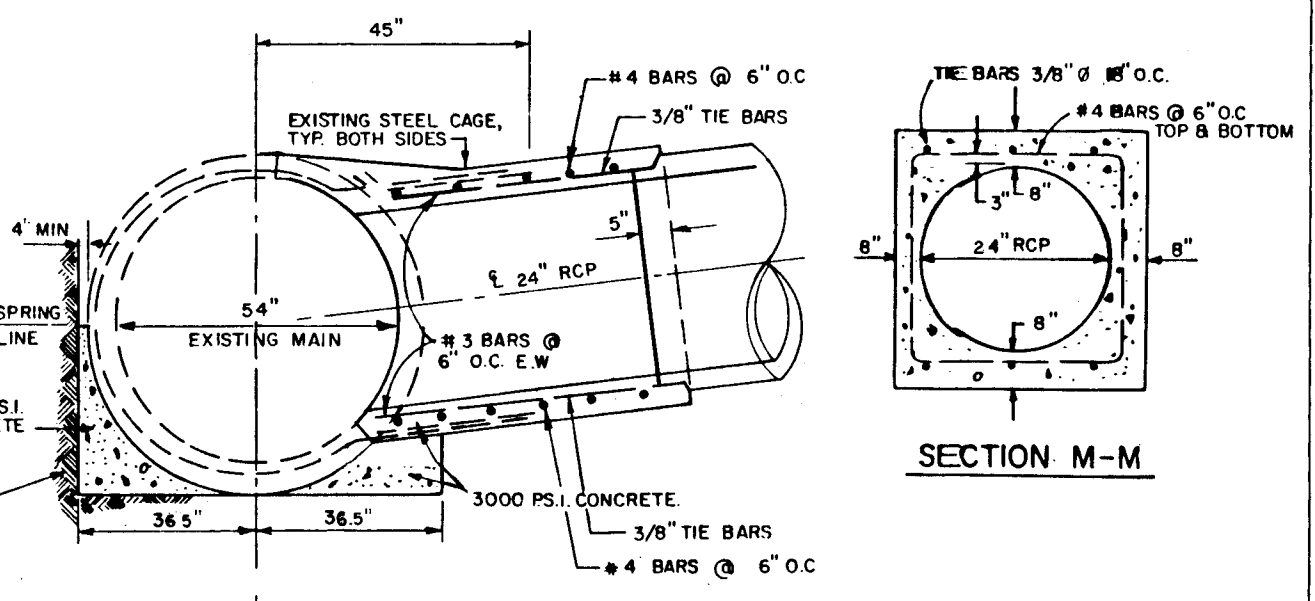
P.I.	STA. 2+67.46
Delta	81° 40' 27.2"
T	64.82
R	106.91
L	75.00

CENTERLINE CURVE DATA (B)

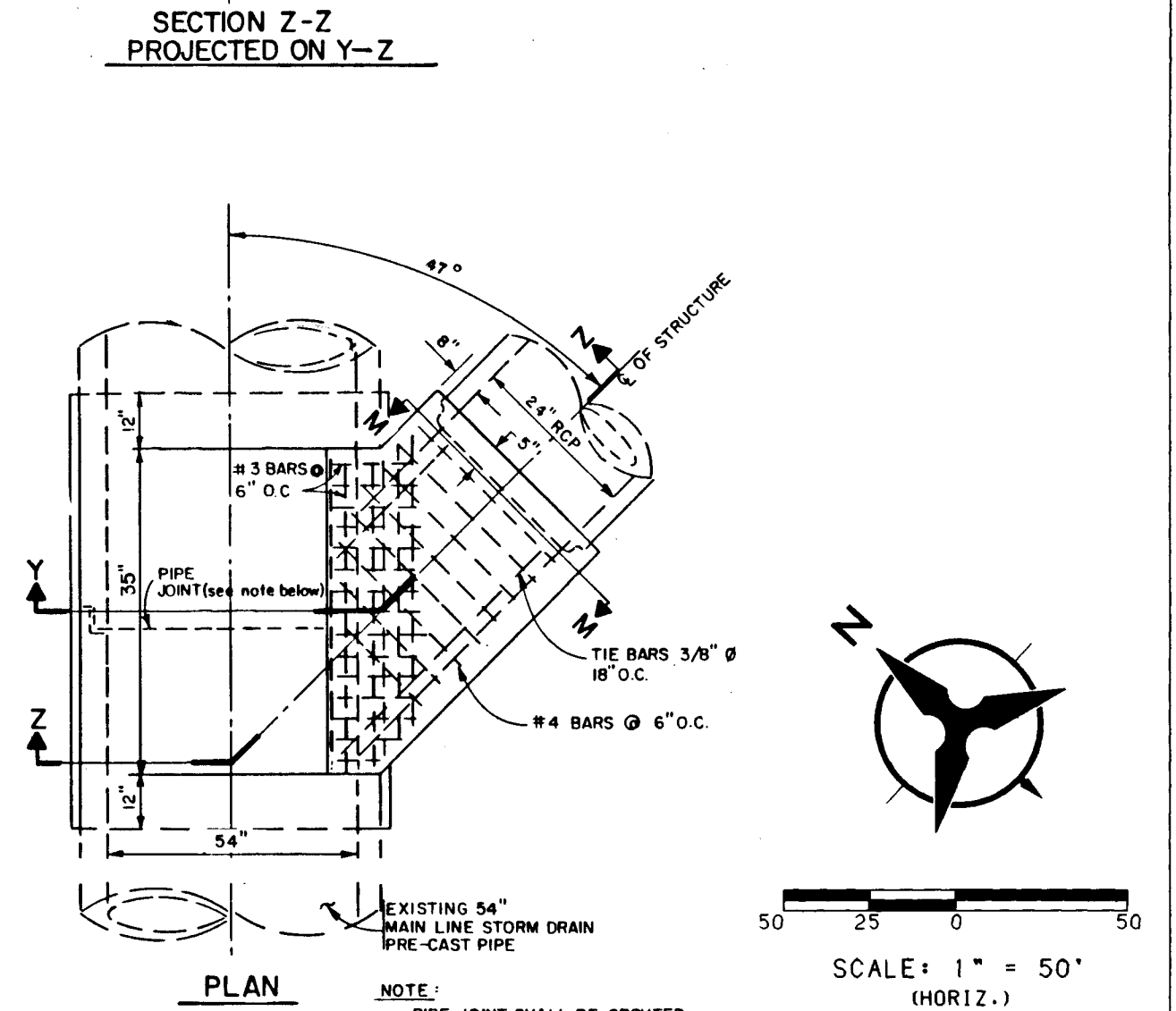
P.I.	STA. 5+40.67
Delta	26° 44' 40.7"
T	66.56
R	130.70
L	280.00

INSTALL CONCRETE VALLEY GUTTER AS PER STD. DWG. 2420

STA. 6+09.44 RIO TRUMPEROS CT.
STA. 2+95.95 RIO SALADO CT.



SECTION M-M



PIPE CONNECTION DETAIL

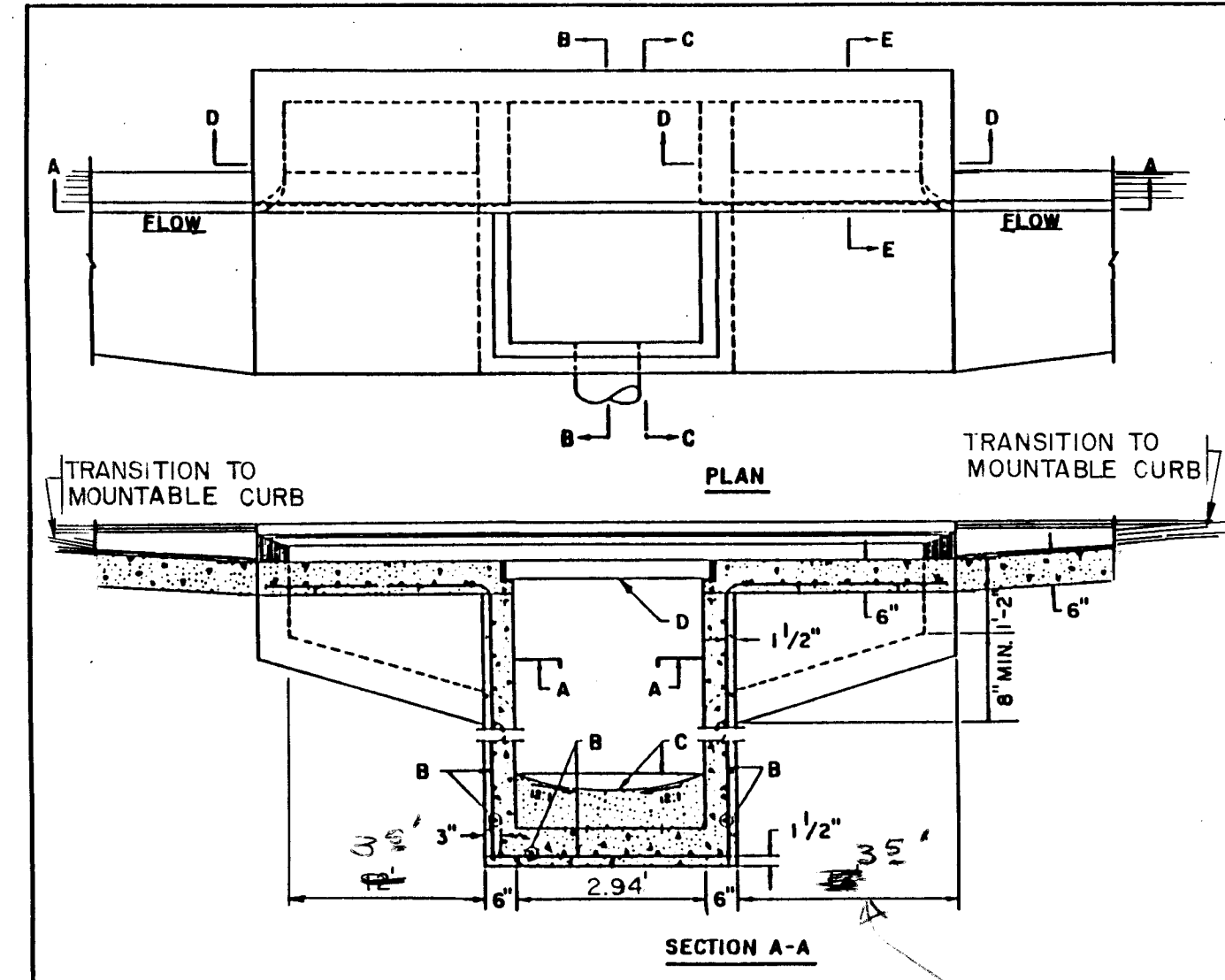
CUL-DE-SAC CURB DATA

PT	TC	STATION & OFFSET	DELTA
1	99.97	1+56.74, 12.50' RT.	71°02'04"
2	99.97	1+33.10, 29.38' RT.	30°22'27"
3	97.59	1+22.81, 44.55' RT.	30°22'27"
4	96.62	1+06.25, 52.44' RT.	30°22'27"
5	95.68	0+87.98, 50.87' RT.	30°22'27"
6	94.60	0+73.01, 40.28' RT.	30°22'27"
7	94.60	0+65.45, 23.57' RT.	30°22'27"
8	94.64	0+67.37, 5.34' RT.	30°22'27"
9	95.19	0+78.25, 9.42' LT.	30°22'27"
10	96.04	0+95.10, 16.66' LT.	30°22'27"
11	97.02	1+13.30, 14.38' LT.	22°19'54"
12	97.89	1+22.80, 12.50' LT.	38°28'58"
R=35.00, L=166.99' (BETWEEN POINTS 2 & 11)			

KNUCKLE CURB DATA

PT	TC	STATION & OFFSET	DELTA
1	05.01	2+95.03, 12.50' RT.	38°28'58"
2	05.35	2+82.59, 19.22' RT.	22°43'06"
3	05.63	2+74.52, 28.04' RT.	22°43'06"
4	05.77	2+65.55, 33.55' RT.	22°43'06"
5	05.67	2+56.19, 35.42' RT.	22°43'06"
6	05.50	2+46.83, 33.55' RT.	22°43'06"
7	05.12	2+37.86, 28.04' RT.	22°43'06"
8	04.60	2+29.79, 19.22' RT.	22°43'06"
9	03.91	2+17.35, 12.50' RT.	38°28'59"
R=40.00', L=83.27' (BETWEEN POINTS 2 & 8)			

NOTE TO ELEVATIONS REPRESENTS ROLLOVER TYPE CURB, EXCEPT WHEN LABELED WITH * WHICH REPRESENTS STD CURB.



STORM INLET TYPE "A" REVISED INLET DETAIL

GENERAL NOTES:

- SEE DWG 2202 FOR TYPE "A" INLET SECTIONS.
- FOR STORM INLET GUTTER TRANSITION, SEE DWG 2207.
- OUTLET PIPE SIZE PER DESIGN REQUIREMENT.
- FOR FRAME & GRATING, SEE DWG 2216, 2220 & 2221.

CONSTRUCTION NOTES:

- FOR STORM INLET DEPTHS GREATER THAN 4', INSTALL STD STEPS. SEE DWG 2229.
- NO. 4 BARS AT 6" O.C. EACH WAY.
- CONCRETE FILL, MINIMUM SLOPE SHOWN IN SECTION A-A.
- GRATE

AS REVISED
CITY OF ALBUQUERQUE
DRAINAGE
STORM INLET TYPE "A"
PLAN AND SECTION A-A
DWG. 2201

- NOTES
- THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
 - ALL CURB RETURN RADIUS SHALL BE 25' TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.
 - ALL CURVE DATA AND DIMENSIONS REFER TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.
 - GRADE ELEVATIONS, WHERE NOTED, ARE FOR TOP OF STANDARD CURB UNLESS OTHERWISE SPECIFIED.
 - CONTRACTOR IS TO INSTALL A 4"x4"x5' POST AND END AT THE END OF EACH SANITARY SEWER SERVICE.
 - CONTRACTOR IS RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT OF ALL UTILITY CONDUITS AND EXISTING LINES.
 - ANY ADDITIONAL GRADING REQUIRED TO MATCH PROPOSED STREET GRADES SHALL BE INCIDENTAL TO PAVING ITEMS.
 - CONTRACTOR SHALL PROVIDE THE INSPECTORS, (CITY AND PRIVATE) WITH THE PROPOSED HYDROSTATIC TESTING PLAN. THE PLAN MUST BE APPROVED BEFORE TESTING OPERATIONS BEGIN.
 - 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 AND GUTTER, PAVEMENT, CONDUITS, LANDSCAPING, UTILITY LINES, ETC.) DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTORS EXPENSE.
 - REMOVAL OF THE EXISTING CURB AND GUTTER SHALL BE AS PER COA STD. DWG. 2415 (SAWCUT ONLY).
 - WHEEL CHAIR RAMPS SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.

AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE	STATION MARK	DATE	MO.	BY	REMARKS	REVISIONS
BY: [Signature]	DATE: 5-13-93	TABLET, STAMPED "HUGHES, 1954", SET IN TOP OF A CONCRETE POST PROJECTING 0.3 FT. ABOVE THE GROUND. TO REACH THE STATION FROM THE INTERSECTION OF CENTRAL AVE. AND COORS GO NORTH OF THIS POINT TO A FENCED-IN PRAIRIE ON THE WEST SIDE OF COORS RD ELEV. 5049.93	DATE: 6/90	90201	BHI PHOTOGRAPHY		
DESIGNED BY	DATE	DRAWN BY	DATE	CHECKED BY	DATE		
DESIGNED BY: [Signature]	DATE: 9/92	DRAWN BY: [Signature]	DATE: 9/92	CHECKED BY: [Signature]	DATE: 9/92		

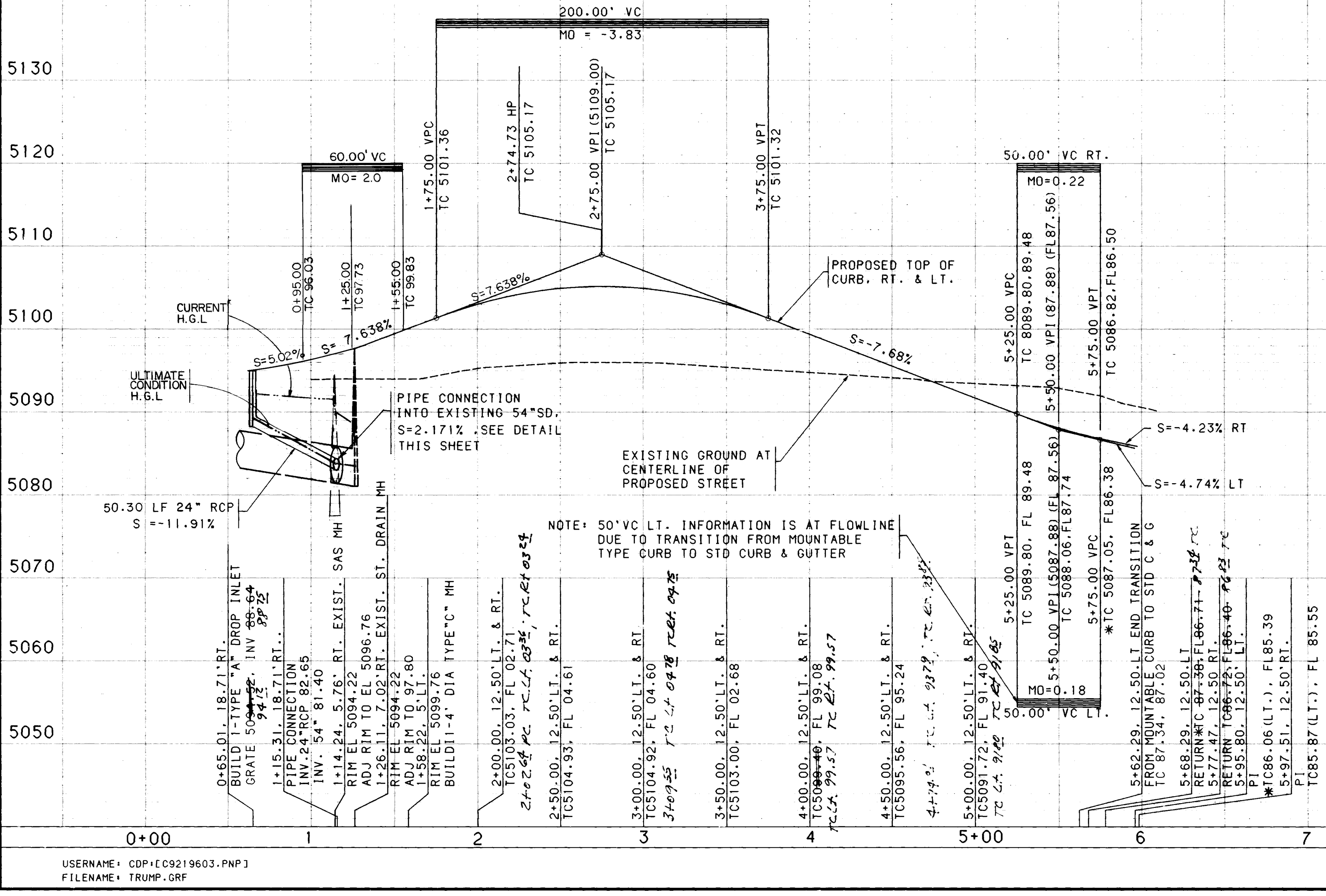
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26 4544.90 00793

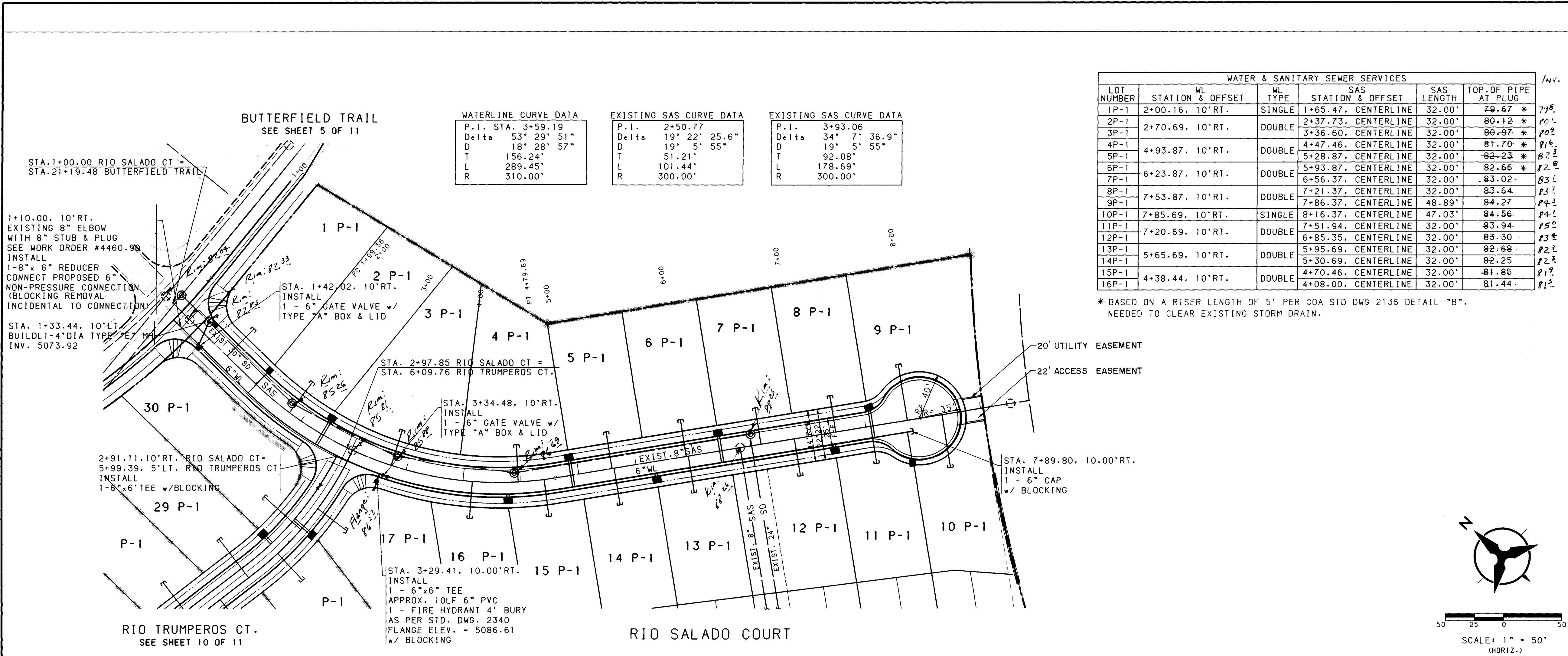
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING

RIVERVIEW CROSSING SUBDIVISION
PAVING PLAN & PROFILE
RIO TRUMPEROS COURT

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	[Signature]	12-22-92	WATER	[Signature]	10-23-92
TRANSPORTATION	[Signature]	10-29-92	WASTE WATER	[Signature]	10-23-92
HYDROLOGY	[Signature]	12-23-92			

DRAWING NO. 4544.90 MAP NO. D-12 SHEET 7 OF 11





WATER & SANITARY SEWER SERVICES						
LOT NUMBER	STATION	WL TYPE	STATION & OFFSET	SAS LENGTH	TOP OF PIPE AT PLUG	INVT.
1P-1	2+00.16, 10' RT.	SINGLE	1+65.47, CENTERLINE	32.00'	79.67 *	79.6
2P-1			2+37.73, CENTERLINE	32.00'	80.12 *	80.1
3P-1	2+70.69, 10' RT.	DOUBLE	3+36.60, CENTERLINE	32.00'	80.97 *	80.9
4P-1			4+47.46, CENTERLINE	32.00'	81.76 *	81.6
5P-1	4+93.87, 10' RT.	DOUBLE	5+28.87, CENTERLINE	32.00'	82.23 *	82.2
6P-1			5+93.87, CENTERLINE	32.00'	82.66 *	82.6
7P-1	6+23.87, 10' RT.	DOUBLE	6+56.37, CENTERLINE	32.00'	83.02 *	83.0
8P-1			7+21.37, CENTERLINE	32.00'	83.64 *	83.6
9P-1	7+53.87, 10' RT.	DOUBLE	7+86.37, CENTERLINE	48.89'	84.27 *	84.2
10P-1			8+16.37, CENTERLINE	47.03'	84.56 *	84.5
11P-1	7+85.69, 10' RT.	SINGLE	7+51.94, CENTERLINE	32.00'	83.94 *	83.9
12P-1			6+85.35, CENTERLINE	32.00'	83.30 *	83.3
13P-1	5+65.69, 10' RT.	DOUBLE	5+30.69, CENTERLINE	32.00'	82.25 *	82.2
14P-1			4+70.46, CENTERLINE	32.00'	81.85 *	81.8
15P-1			4+08.00, CENTERLINE	32.00'	81.44 *	81.4
16P-1	4+38.44, 10' RT.	DOUBLE				

* BASED ON A RISER LENGTH OF 5' PER COA STD DWG 2136 DETAIL "B".
NEEDED TO CLEAR EXISTING STORM DRAIN.

NOTES

1. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.

2. ALL CURB RETURN RADII SHALL BE 25' TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.

3. ALL CURVE DATA AND DIMENSIONS REFER TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.

4. GRADE ELEVATIONS, WHERE NOTED, ARE FOR TOP OF STANDARD CURB UNLESS OTHERWISE SPECIFIED.

5. CONTRACTOR IS TO INSTALL A 4"x4"x5' POST AND EMD AT THE END OF EACH SANITARY SEWER SERVICE.

6. CONTRACTOR IS RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT OF ALL UTILITY CONDUITS AND EXISTING LINES.

7. ANY ADDITIONAL GRADING REQUIRED TO MATCH PROPOSED STREET GRADES SHALL BE INCIDENTAL TO PAVING ITEMS.

8. CONTRACTOR SHALL PROVIDE THE INSPECTORS, (CITY AND PRIVATE) WITH THE PROPOSED HYDROSTATIC TESTING PLAN. THE PLAN MUST BE APPROVED BEFORE TESTING OPERATIONS BEGIN.

9. CONTRACTOR SHALL PARK EQUIPMENT AND VEHICLES AS NOT TO INTERFERE WITH NORMAL ACTIVITIES OF RESIDENTS OR OTHER CONTRACTORS ON SITE.

10. ANY DAMAGE TO THE EXISTING FACILITIES (CURB AND GUTTER, PAVEMENT, CONDUITS, LANDSCAPING, UTILITY LINES, ETC.) DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTORS EXPENSE.

11. REMOVAL OF THE EXISTING CURB AND GUTTER SHALL BE AS PER COA STD. DWG. 2415 (SAWCUT ONLY).

12. WHEEL CHAIR RAMPS SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.

AS-BUILT INFORMATION

CONTRACTOR: WALKER CORP.
STATION: 11000000
DATE: 10/23/92

BENCH MARKS

STATION MARK IS A STANDARD US&GS BRASS TABLET, STAMPED "HUGHES 1954", SET IN TOP OF A CONCRETE POST PROJECTING 0.3 FT. ABOVE THE GROUND. TO REACH THE STATION FROM THE INTERSECTION OF CENTRAL AVE. AND COORS GO NORTH OF THIS POINT TO A FENCED-IN PRAIRIE ON THE WEST SIDE OF COORS RD ELEV. 5049.93

SURVEY INFORMATION

NO. 90201 BY BHI PHOTOGRAMMETRY DATE 6/90

ENGINEER'S SEAL

5-13-93

REVISIONS

NO.	DATE	REMARKS
1	10/23/92	DESIGN

DESIGNED BY

TKM

DATE

9/92

DRAWN BY

TKM/OR

DATE

9/92

CHECKED BY

KLD

DATE

9/92

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING

RIVERVIEW CROSSING
UTILITY PLAN & PROFILE
RIO SALADO COURT

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRG CHAIRMAN	<u>R.W. Kane</u>	<u>12-24-92</u>	WATER	<u>R.W. Kane</u>	<u>10-23-92</u>
TRANSPORTATION	<u>R.W. Kane</u>	<u>10-23-92</u>	WASTE WATER	<u>R.W. Kane</u>	<u>10-23-92</u>
HYDROLOGY	<u>R.W. Kane</u>	<u>12-23-92</u>			

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

26 45 44 9 10 19 9 3

USERNAME: CDP\C9219603.PNP
FILENAME: SALUTTL.GRF

SCALE: 1" = 50' (HORIZ.)
1" = 10' (VERT.)

DRAWING NO. 4544.90

MAP NO. D-12

SHEET 9 OF 11

WATERLINE CURVE DATA	
P.I.	5+36.63
D.I.	25° 30' 23.3"
D.T.	62.62
R	123.14'
L	275.00'

SEWERLINE CURVE DATA	
P.I.	5+41.75
D.I.	26° 44' 21.6"
D.T.	67.74
R	133.01'
L	285.00'

STA 5+99.39, 5'LT. RIO TRUMPEROS CT
 STA. 2+91.11, 10'RT. RIO SALADO CT
 INSTALL
 1 - 6" 6"TEE
 W/BLOCKING
 STA. 6+09.44 RIO TRUMPEROS CT.
 STA. 2+97.85 RIO SALADO CT.

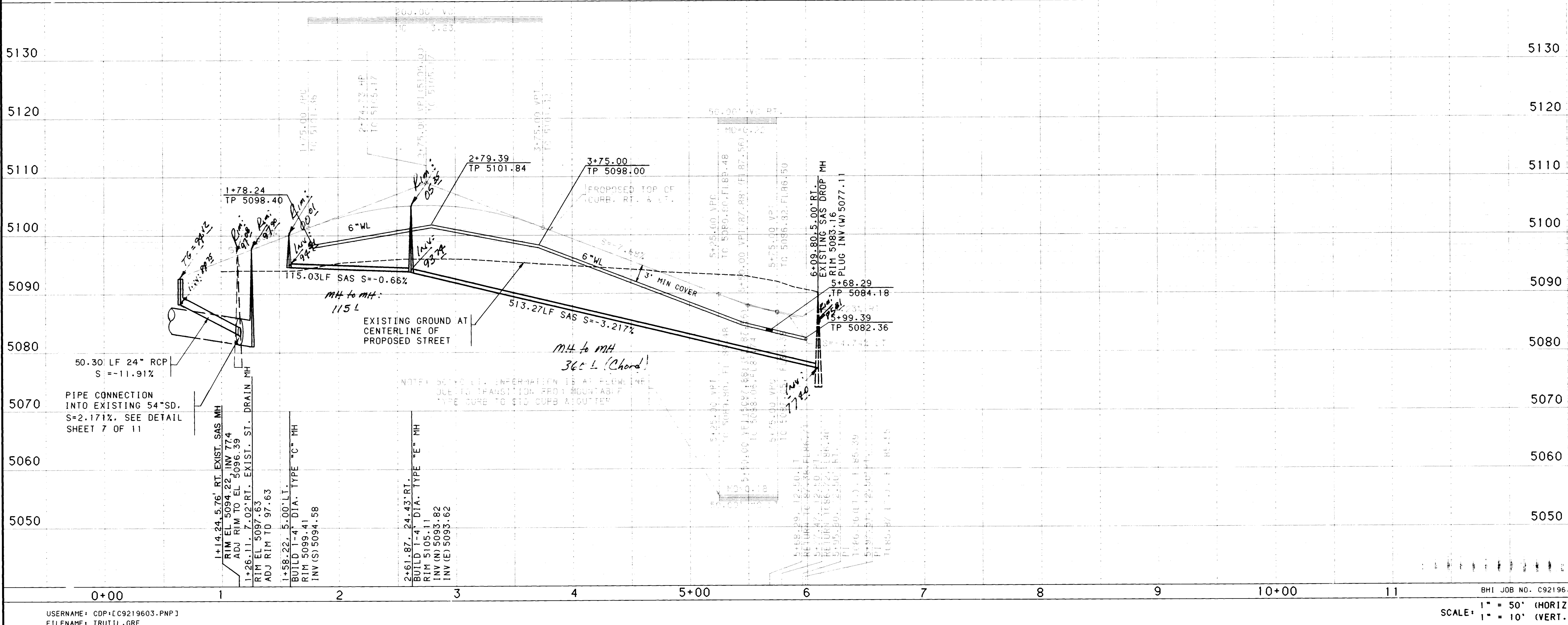
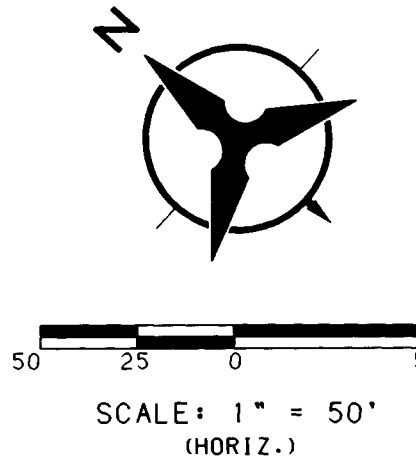
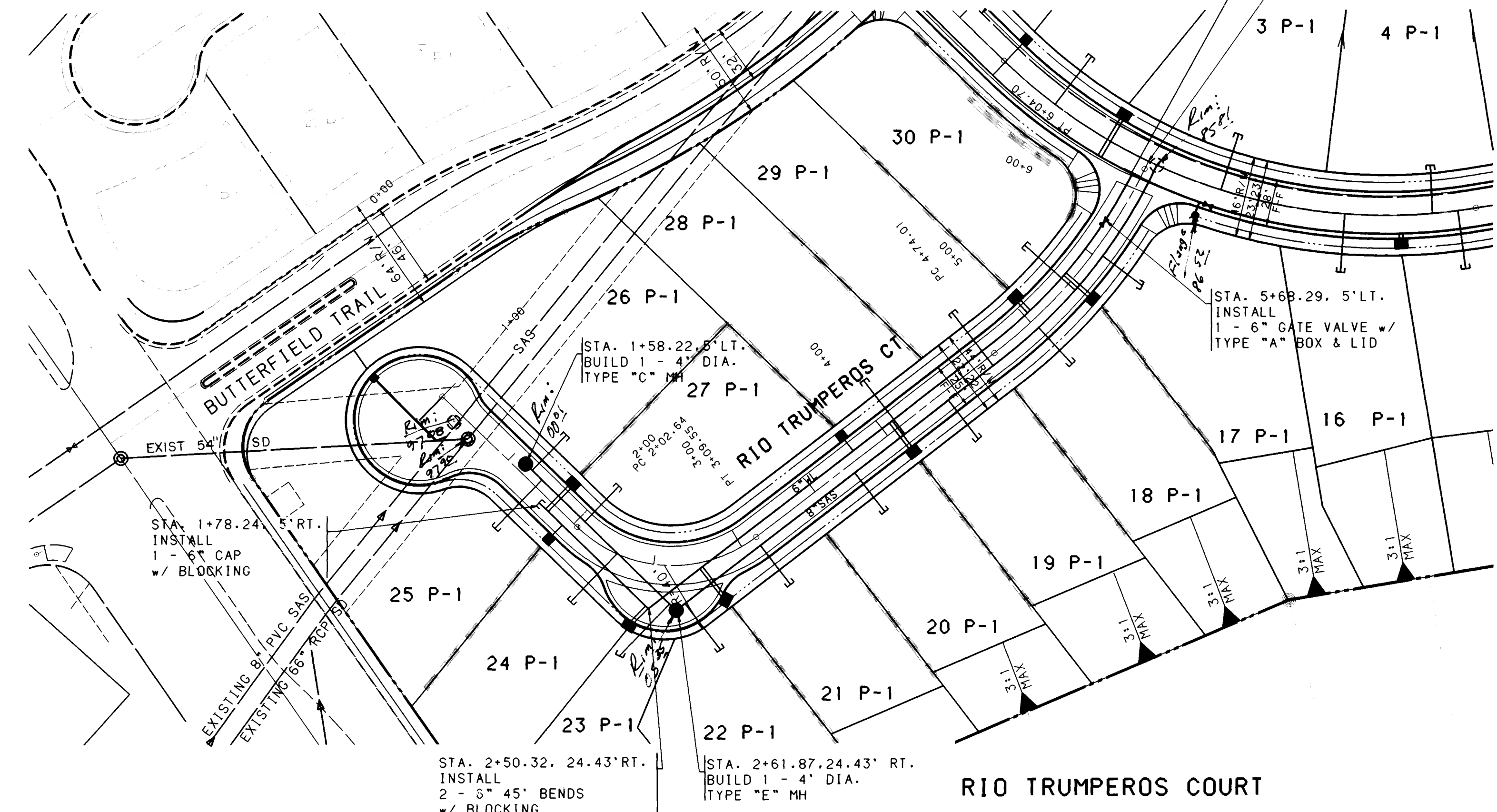
WATER & SANITARY SEWER SERVICES					
LOT NUMBER	STATION & OFFSET	WL TYPE	SAS STATION & OFFSET	SAS LENGTH	INV. OF PIPE AT PLUG
17P-1			5+51.95, 5'RT.	27.00'	83.49'
18P-1	5+31.80, 5'LT.	DOUBLE	5+01.20, 5'RT.	32.00'	87.13'
19P-1			4+38.40, 5'RT.	32.00'	91.95'
20P-1	4+05.90, 5'LT.	DOUBLE	3+73.40, 5'RT.	32.00'	96.94'
21P-1			3+08.48, 5'RT.	27.00'	100.23'
22P-1	2+79.39, 11.94'RT.	DOUBLE	2+65.62, 21.01'RT.	32.05'	100.63'
23P-1			2+59.06, 20.87'RT.	39.90'	100.54'
24P-1	2+49.53, 23.67'RT.	DOUBLE	2+29.06, 0.42'RT.	37.00'	99.87'
25P-1	1+95.91, 5'LT.	SINGLE	1+70.67, 5'RT.	37.00'	96.29'
26P-1			1+63.22, 5'LT.	27.00'	96.24'
27P-1	1+84.29, 5'RT.	DOUBLE	2+03.51, 5'LT.	27.00'	98.73'
28P-1	3+79.97, 5'RT.	SINGLE	4+08.09, 5'LT.	37.00'	94.28'
29P-1			4+69.14, 5'LT.	37.00'	89.59'
30P-1	5+03.41, 5'RT.	DOUBLE	5+29.13, 5'LT.	37.00'	84.99'

- NOTES**
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AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		FIELD NOTES		ENGINEER'S SEAL	
CONTRACTOR	UNIVERSAL	STATION MARK	IS A STANDARD USCS BRASS	DATE	6/90	NO.	90201	BY	PHOTOGRAPHY
STARTED BY	WALLACE	TABLET, STAMPED "HUGHES, 1954"	SET IN TOP OF	DATE	6/90	NO.	90201	BY	PHOTOGRAPHY
ACCEPTED BY	ALBANY	A CONCRETE POST PROJECTING 0.3 FT. ABOVE THE	GROUND.	DATE		NO.		BY	
DATE	5-29-93	TO REACH THE STATION FROM THE	INTERSECTION OF CENTRAL AVE. AND COORS GO	DATE		NO.		BY	
DATE		NORTH OF THIS POINT TO A FENCED-IN PRAIRIE	ON THE WEST SIDE OF COORS RD ELEV. 5049.93	DATE		NO.		BY	
DATE		RECORDED BY	ON THE WEST SIDE OF COORS RD ELEV. 5049.93	DATE		NO.		BY	
DATE		NO.		DATE		NO.		BY	

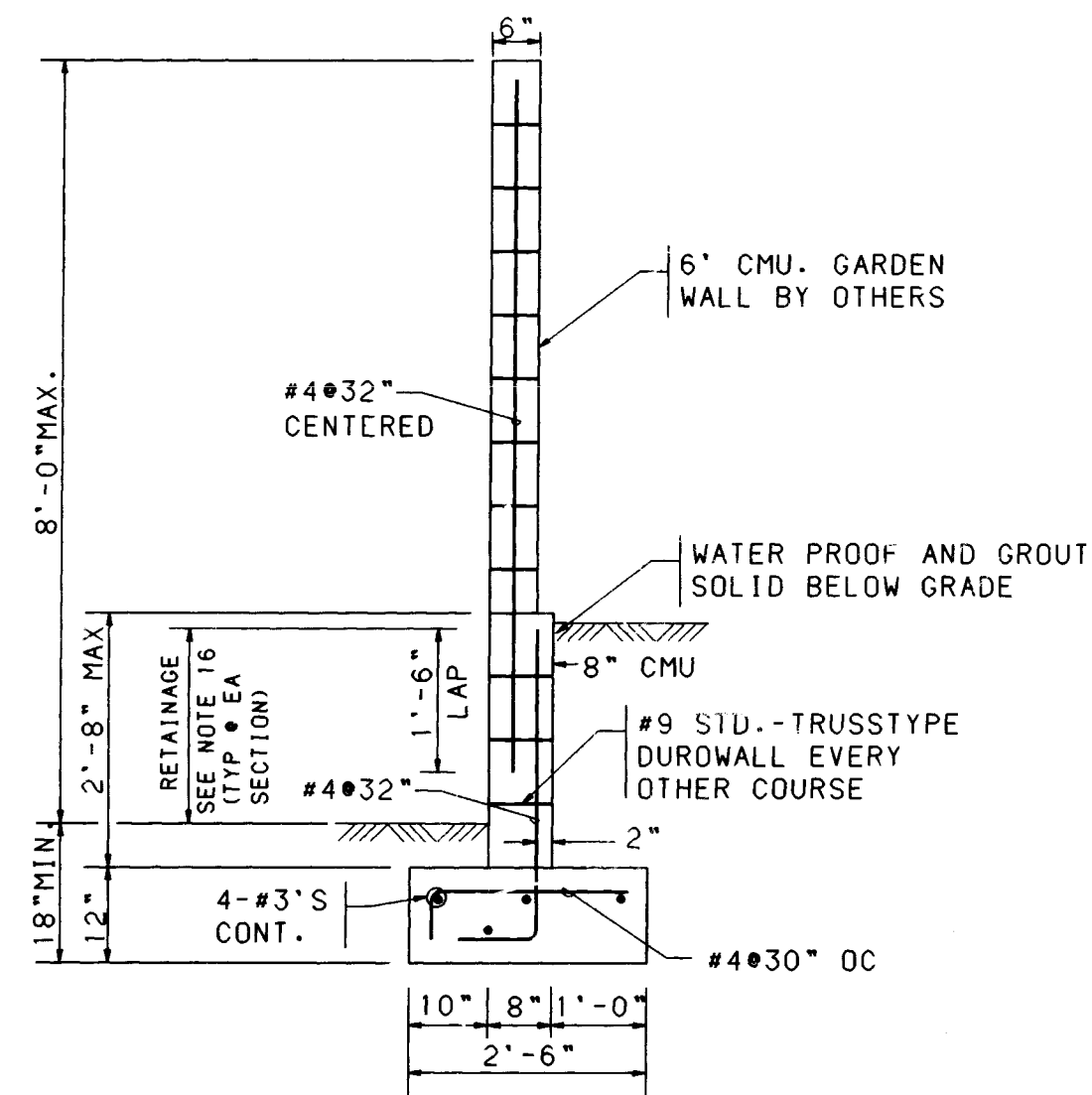
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING			
RIVERVIEW CROSSING SUBDIVISION UTILITY PLAN & PROFILE RIO TRUMPEROS COURT			
APPROVALS	ENGINEER	DATE	APPROVALS
DRC CHAIRMAN	34. Sordby	12-29-92	WATER
TRANSPORTATION	N/A Ryo	10-23-92	WASTE WATER
HYDROLOGY	A. Alby	12-23-92	
DESIGNED BY	TKM	DATE	9/92
DRAWN BY	TKM/OR	DATE	9/92
CHECKED BY	KLD	DATE	9/92

DRAWING NO.	4544.90	MAP NO.	D-12	SHEET	10	OF	11
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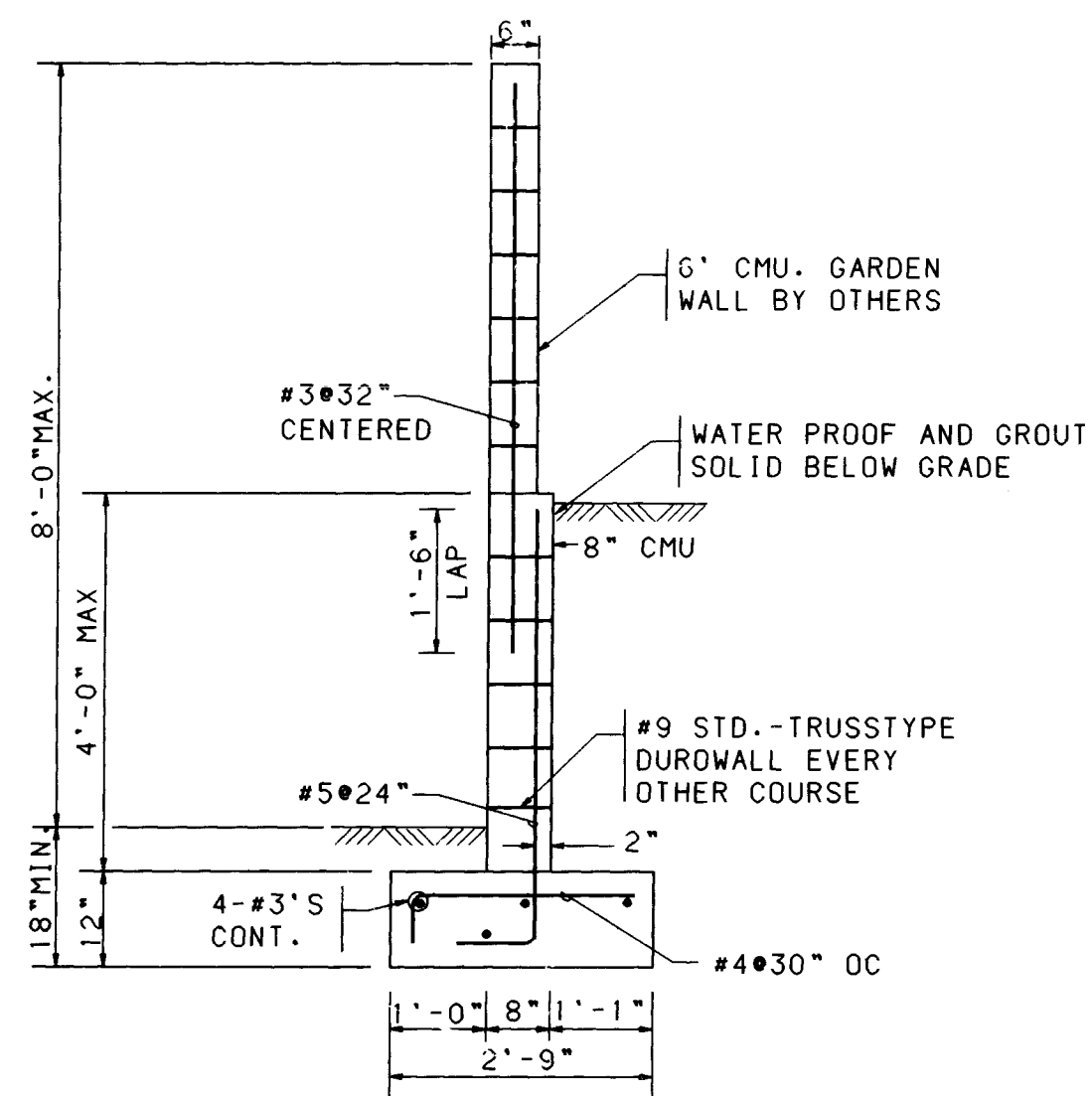


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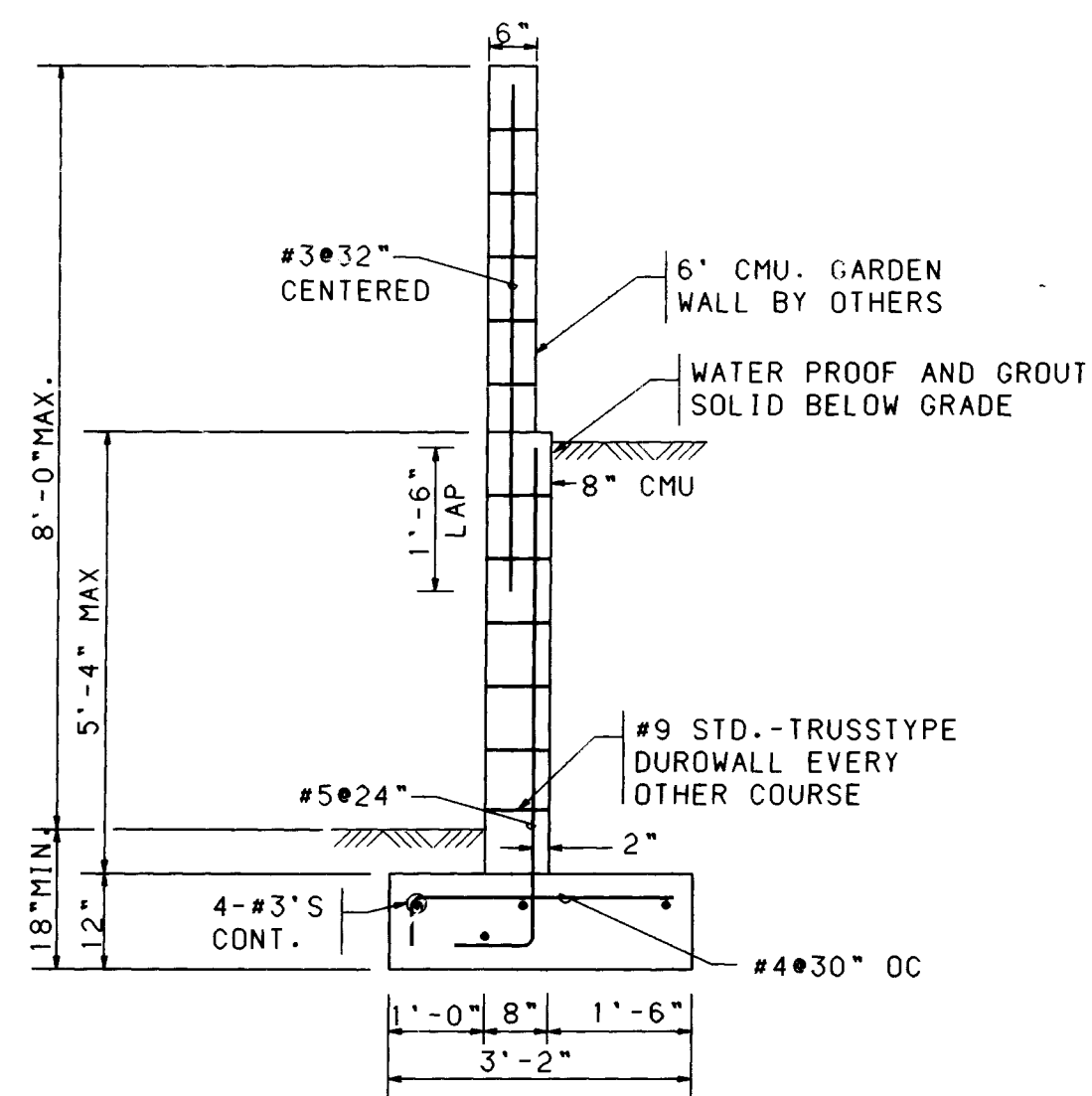
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 1" = 10' (VERT.)



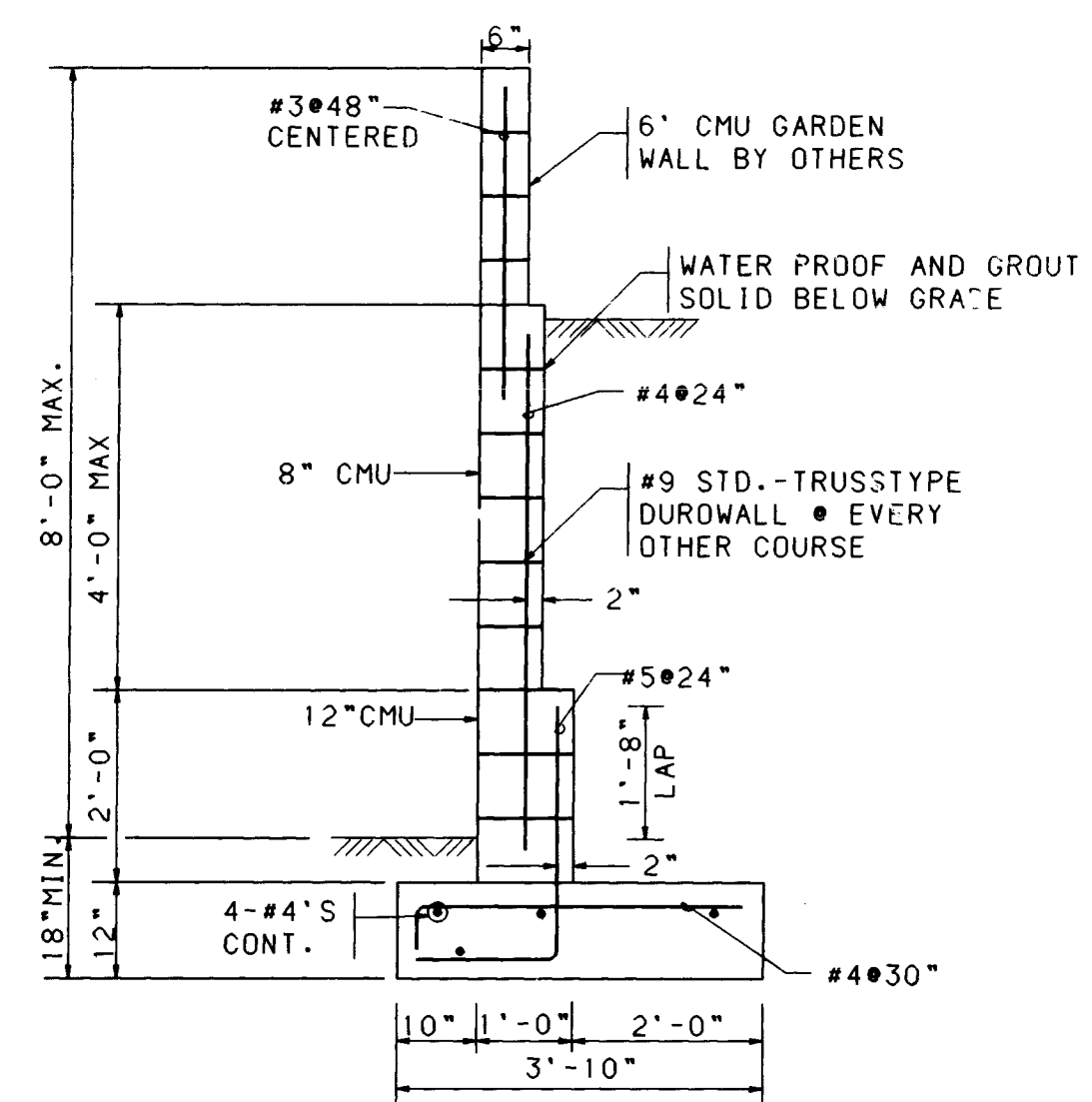
RETAINING WALL FOR 2'-6" MAX. RETAINAGE
NO SCALE



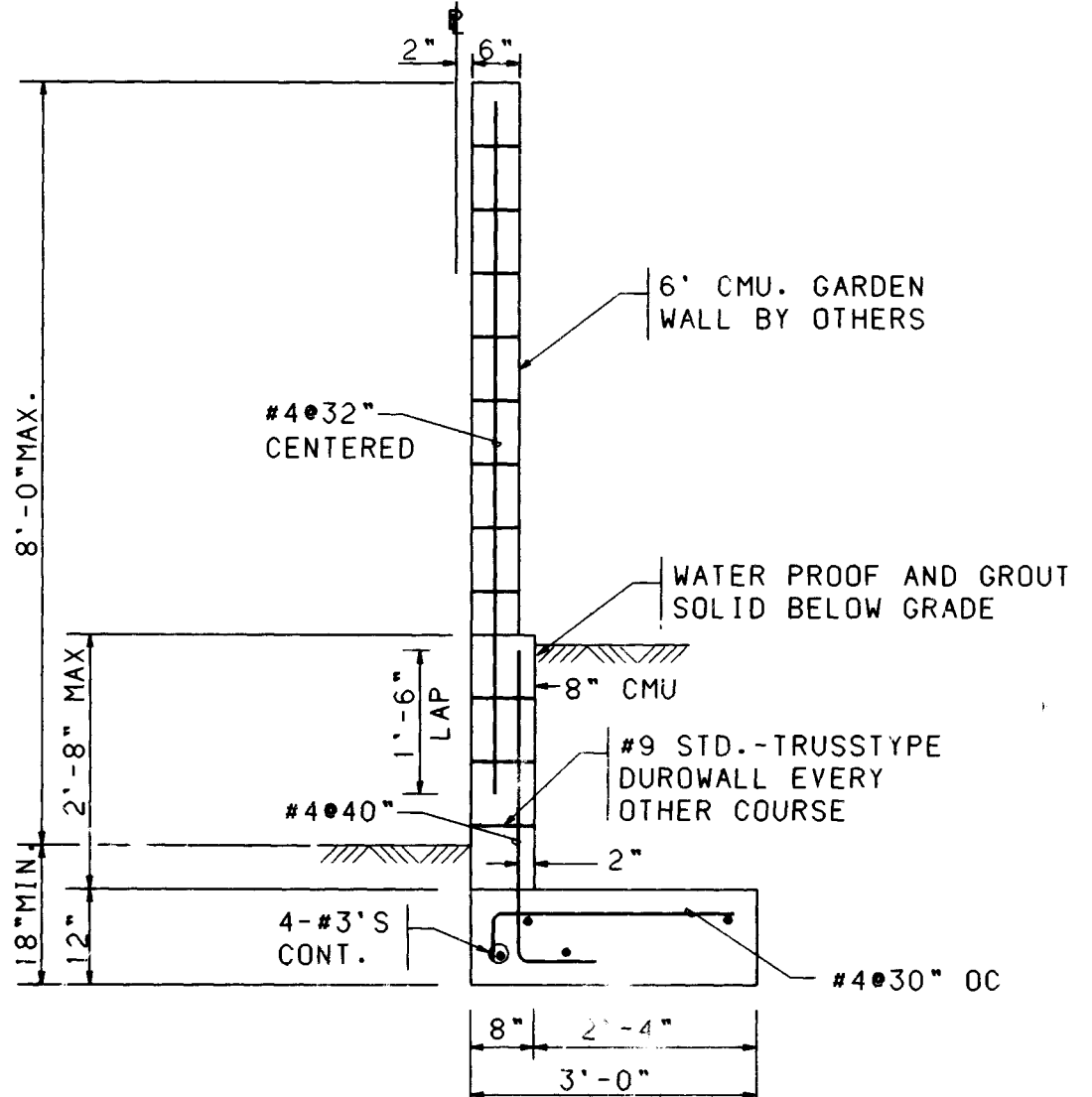
RETAINING WALL FOR 3'-6" MAX. RETAINAGE
NO SCALE



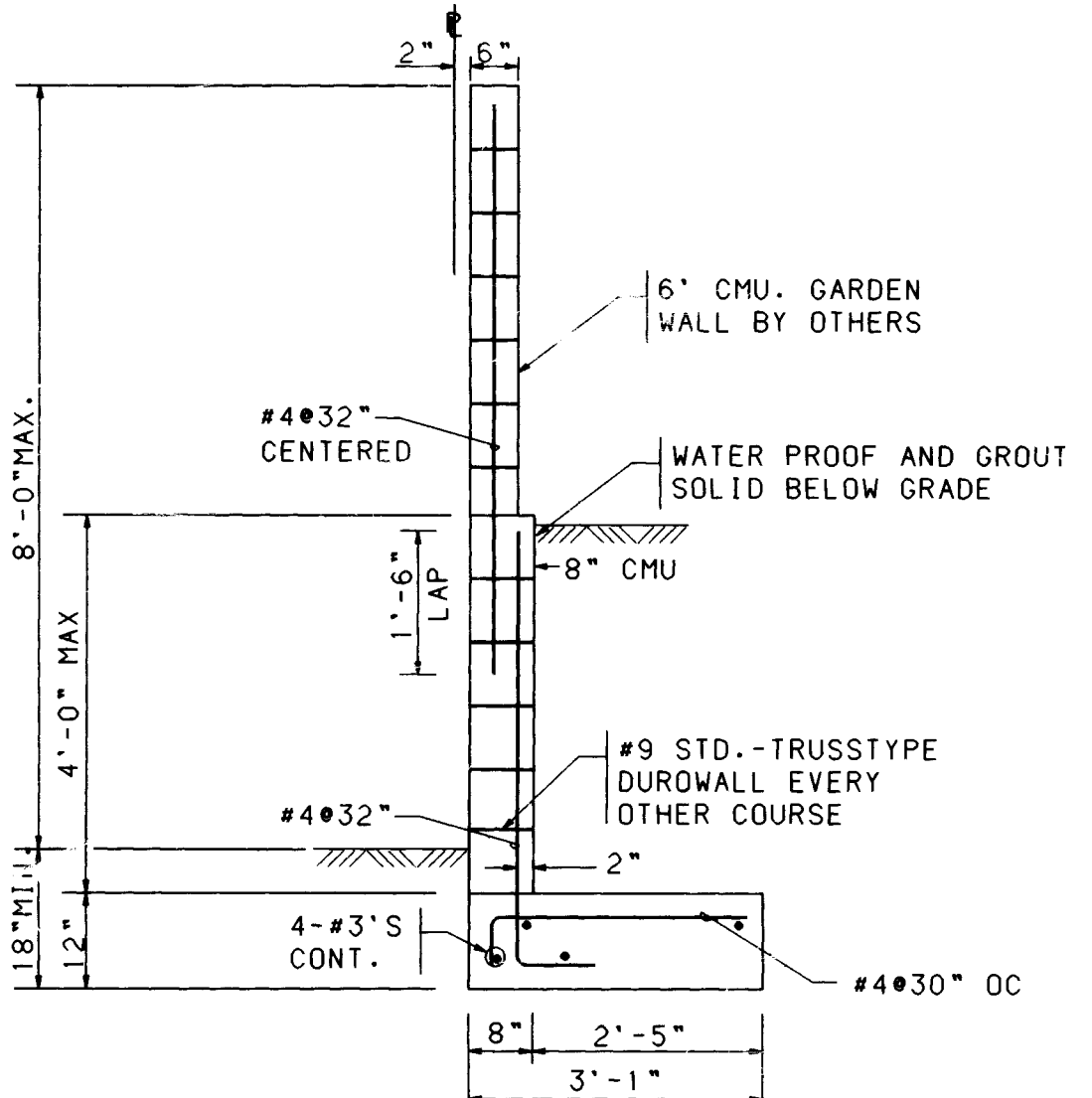
RETAINING WALL FOR 4'-6" MAX. RETAINAGE
NO SCALE



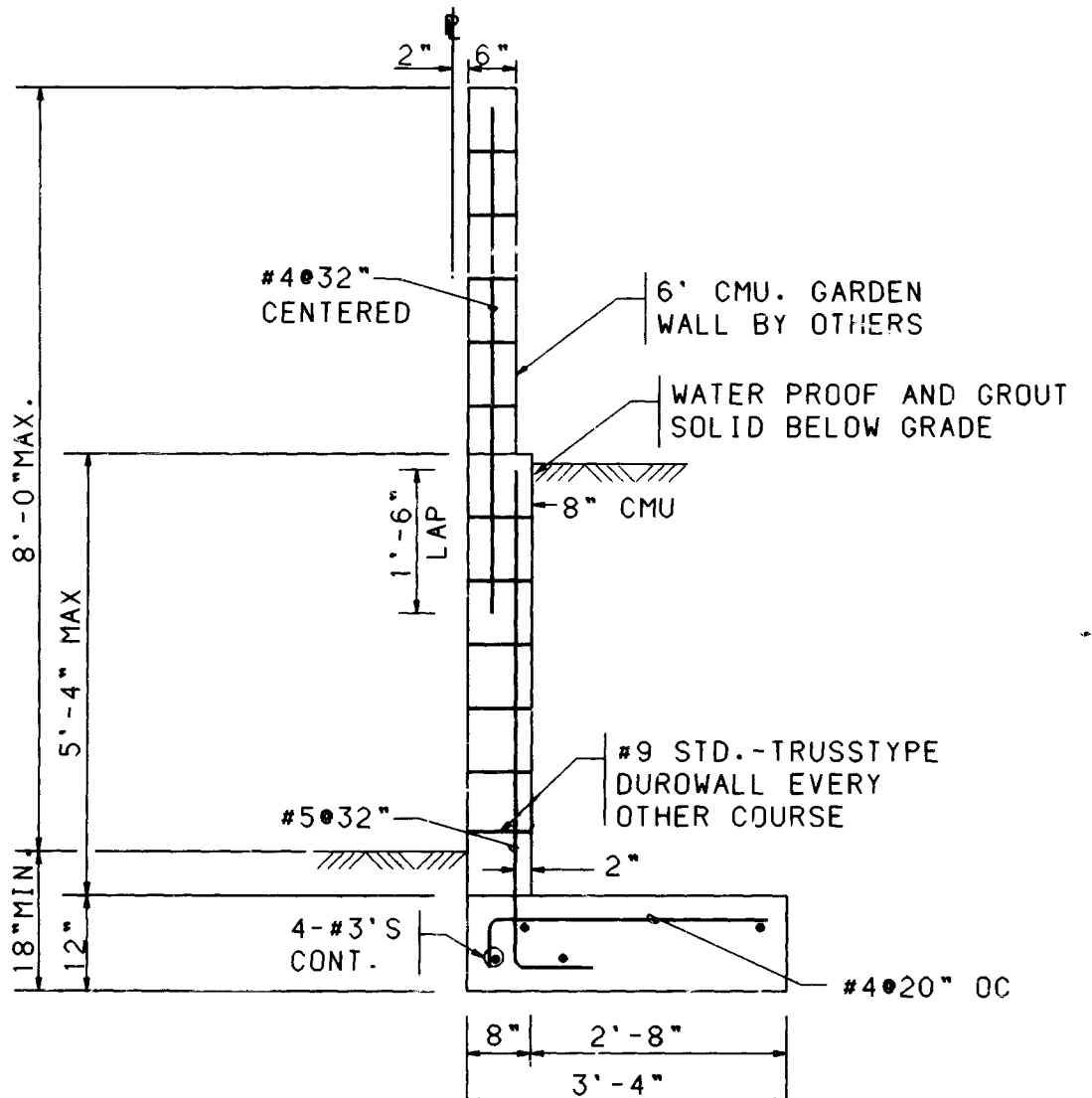
RETAINING WALL FOR 5'-6" MAX. RETAINAGE
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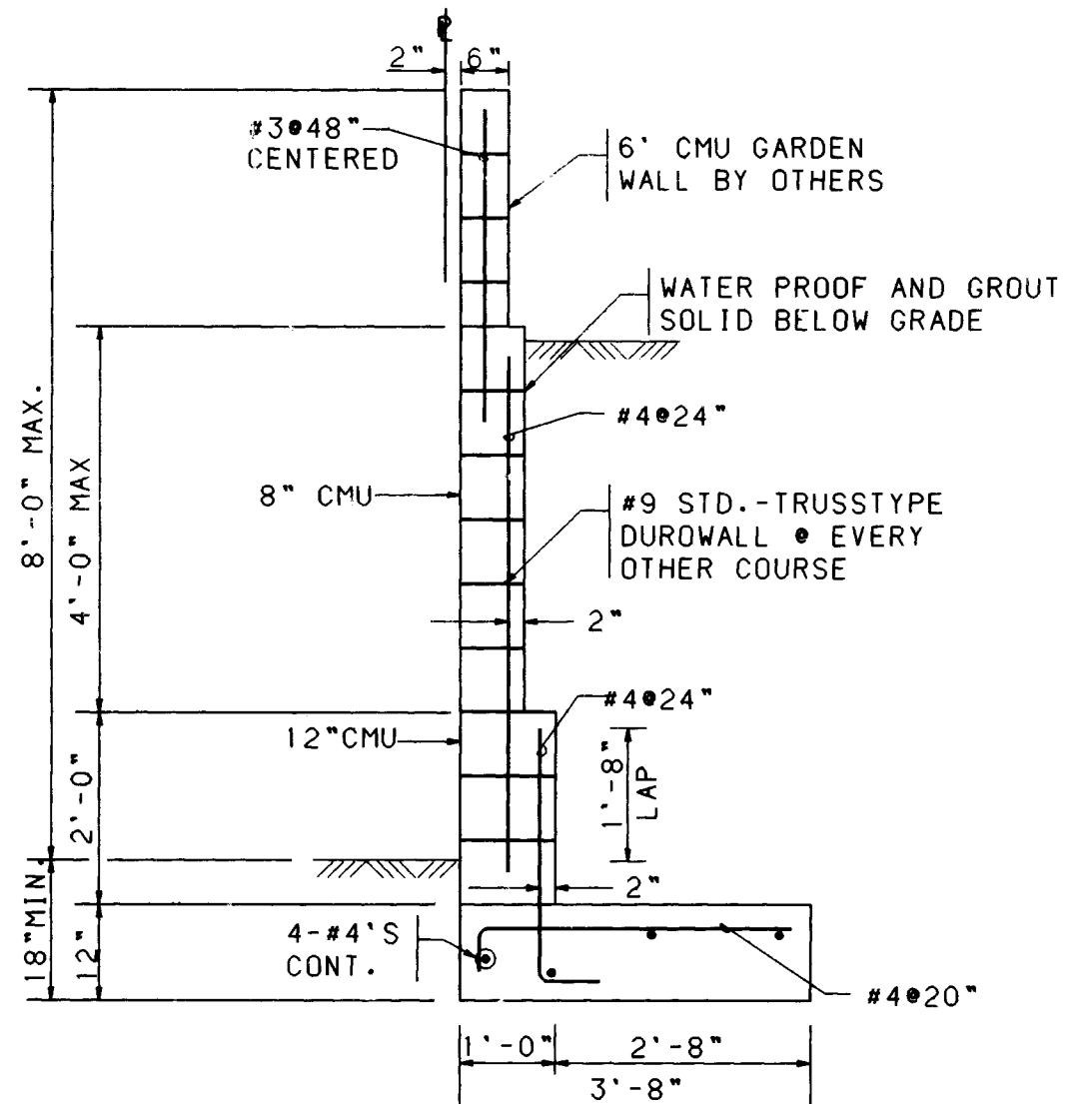
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NO SCALE



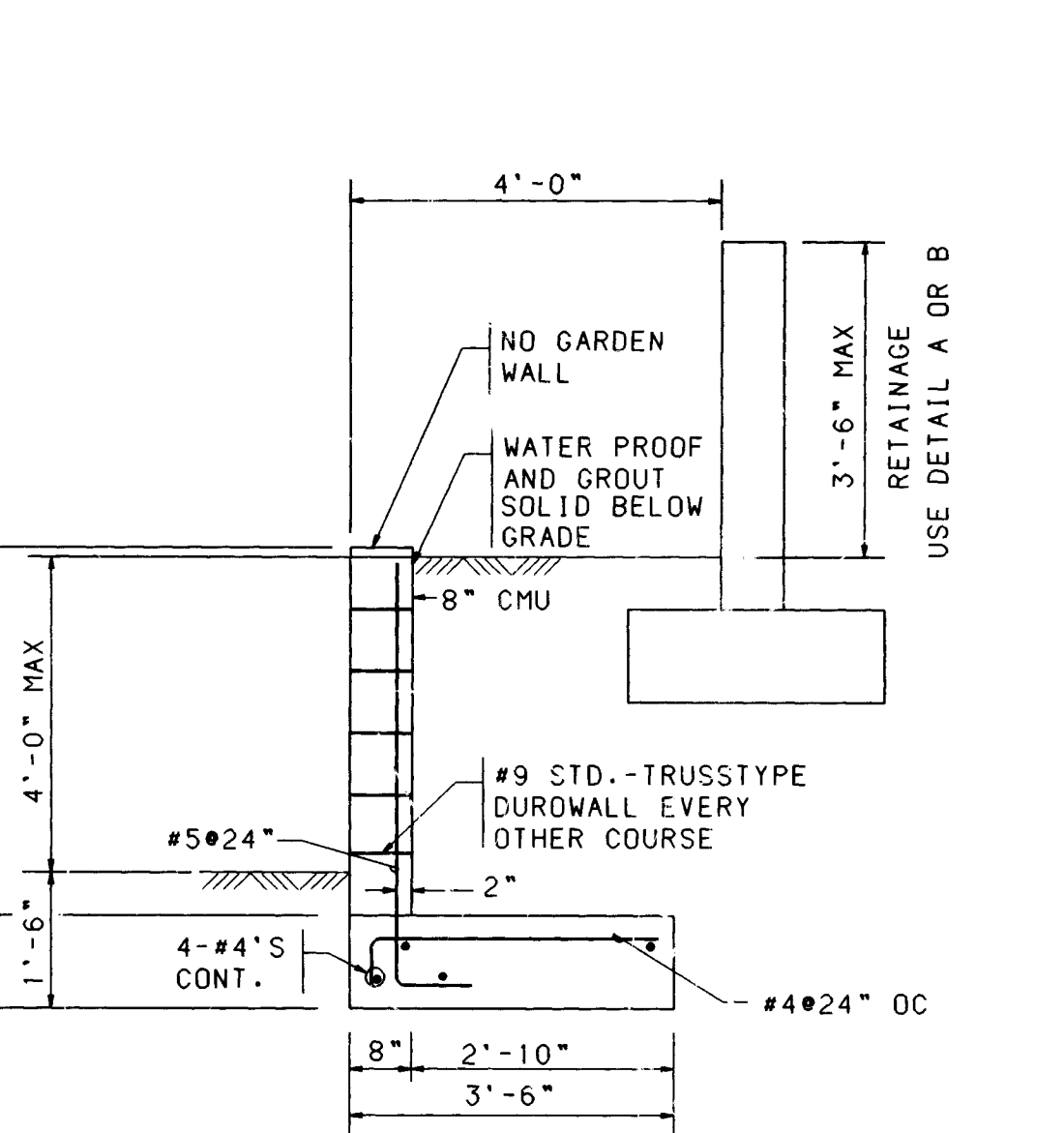
RETAINING WALL • R FOR 3'-6" MAX. RETAINAGE
NO SCALE



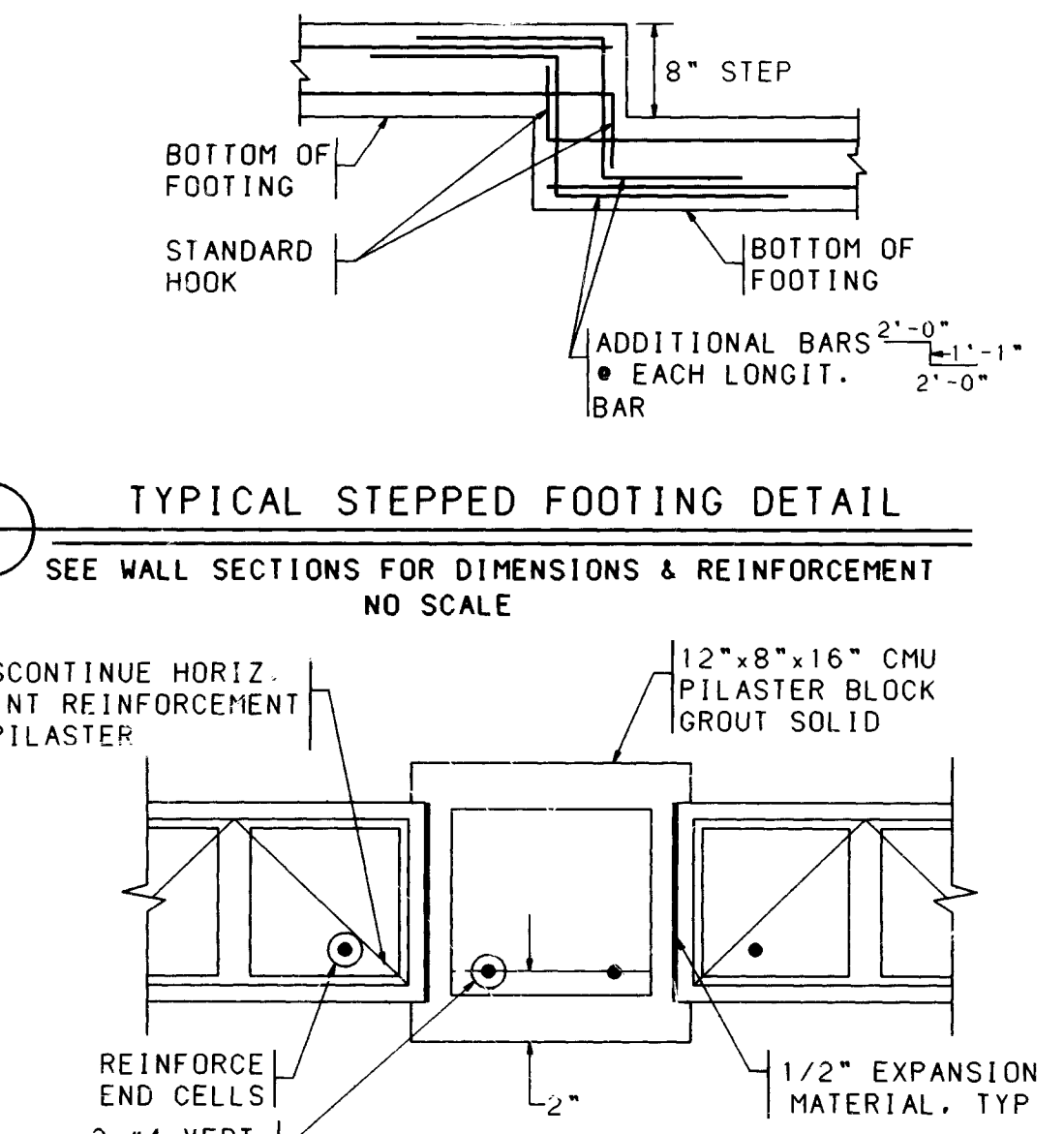
RETAINING WALL • R FOR 4'-6" MAX. RETAINAGE
NO SCALE



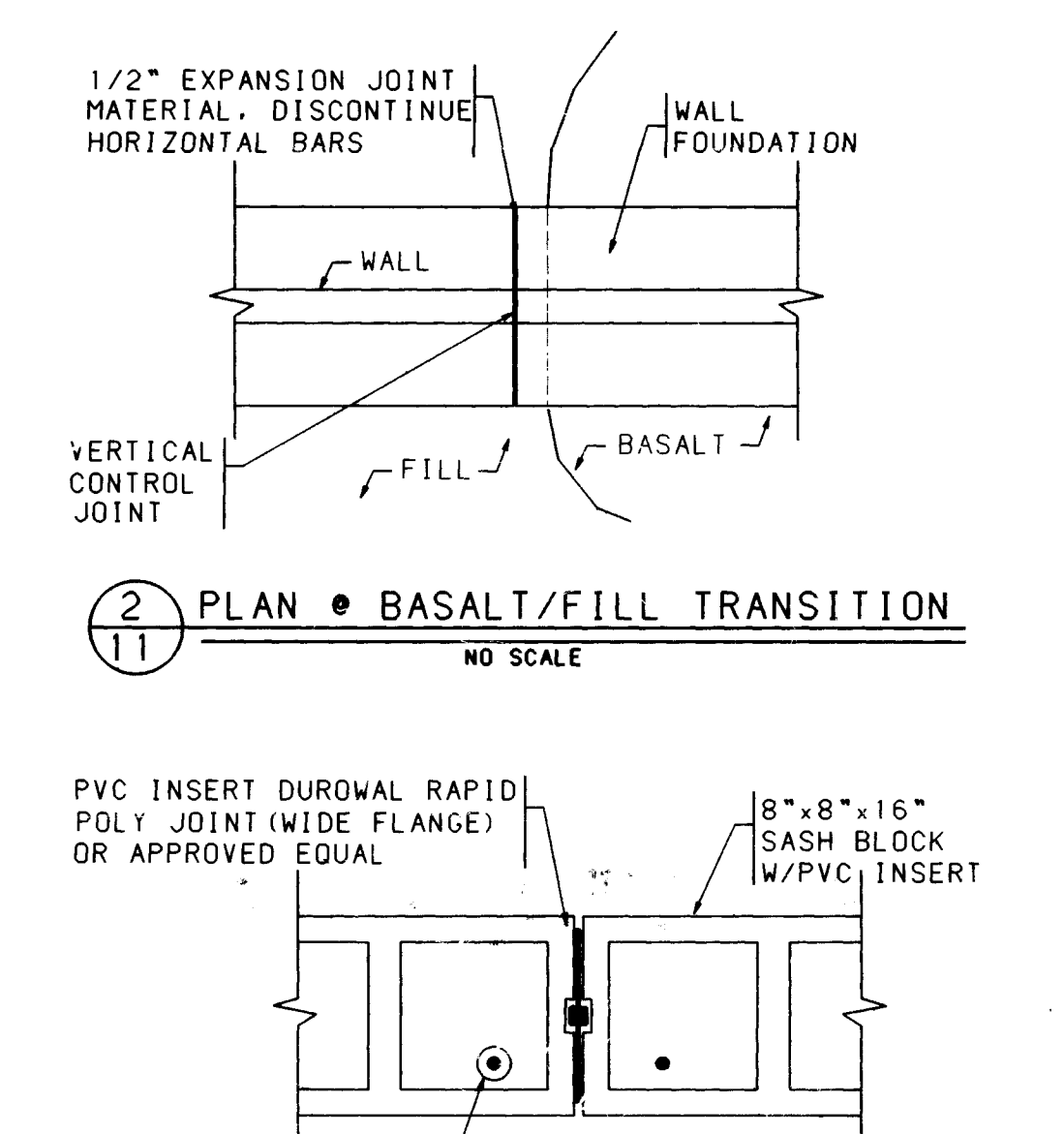
RETAINING WALL • R FOR 5'-6" MAX. RETAINAGE
NO SCALE



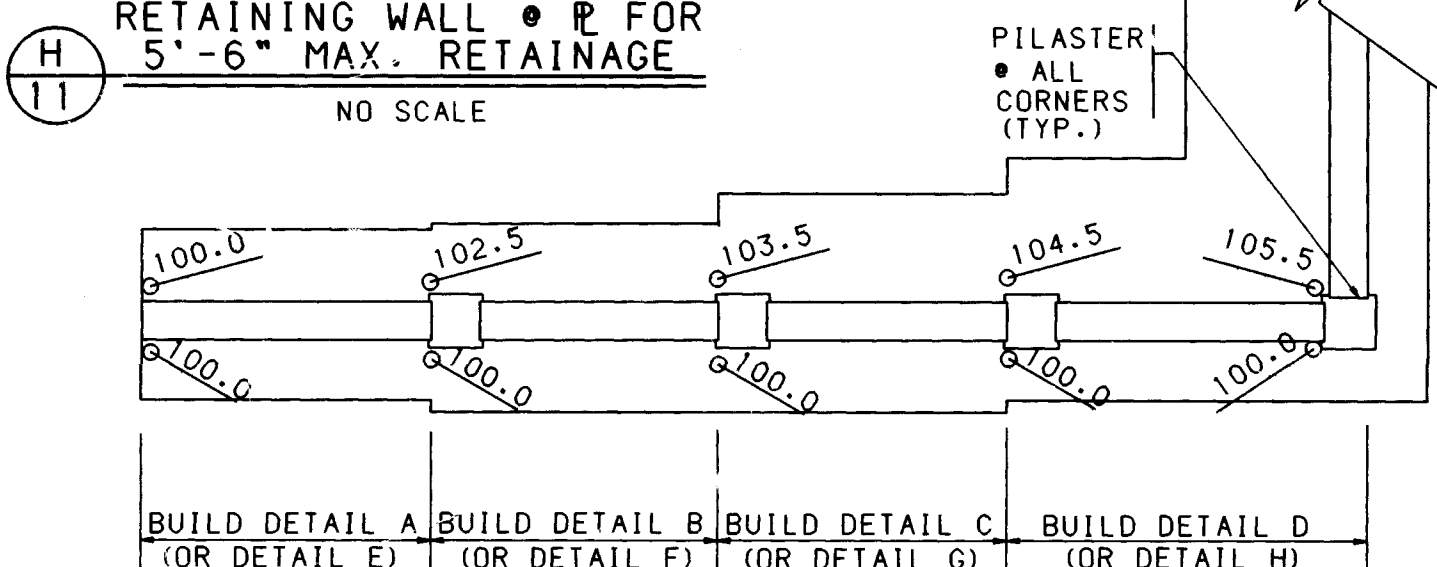
TERRACED WALL 4'-0" MAX. RETAINAGE
NO SCALE



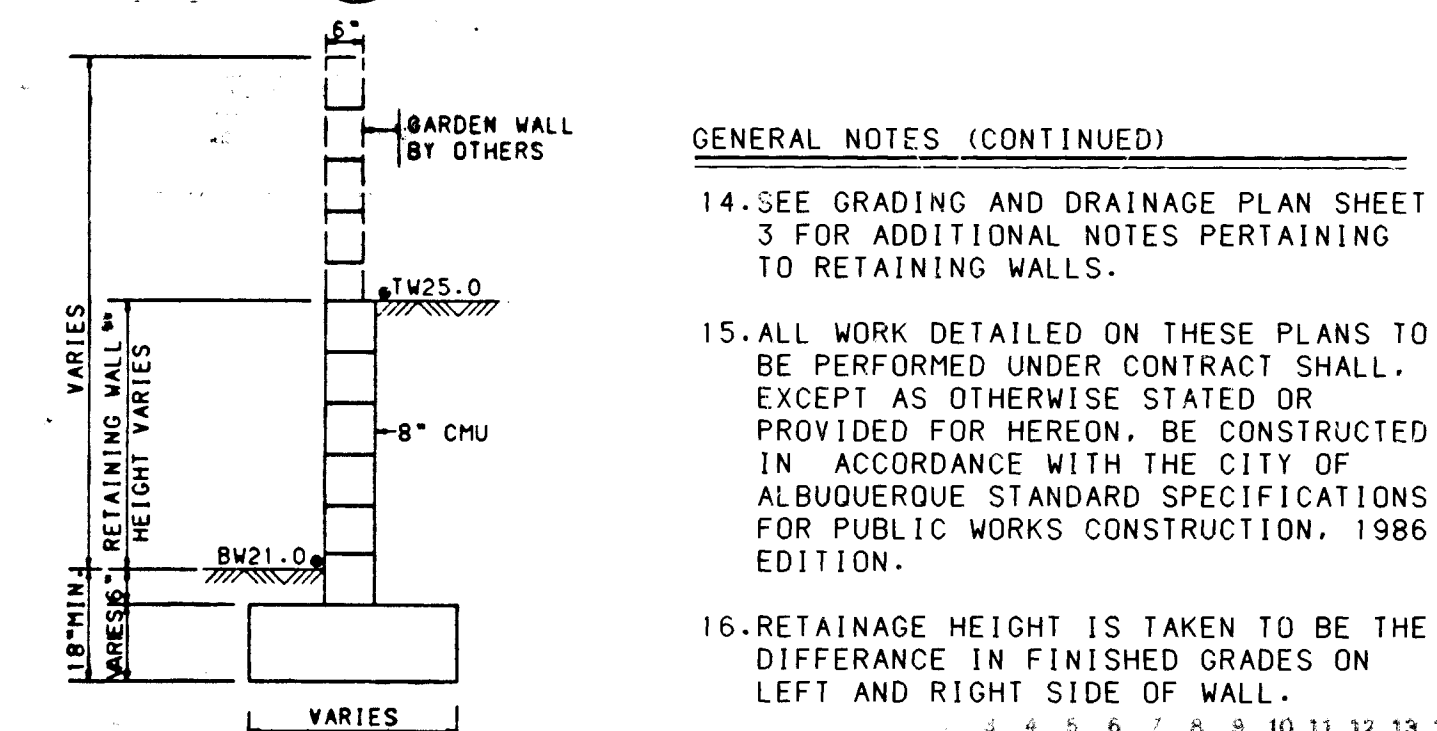
1 TYPICAL STEPPED FOOTING DETAIL
SEE WALL SECTIONS FOR DIMENSIONS & REINFORCEMENT
NO SCALE



2 PLAN • BASALT/FILL TRANSITION
NO SCALE



3 TYPICAL RETAINING WALL PLAN
NO SCALE



4 TYPICAL RETAINING WALL NOMENCLATURE
NO SCALE
(RETAINAGE HEIGHT IS TAKEN TO BE DIFFERENCE IN FINISHED GRADES ON LEFT AND RIGHT SIDE OF WALL)

GENERAL NOTES (CONTINUED)

14. SEE GRADING AND DRAINAGE PLAN SHEET 3 FOR ADDITIONAL NOTES PERTAINING TO RETAINING WALLS.

15. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, 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.

16. RETAINAGE HEIGHT IS TAKEN TO BE THE DIFFERENCE IN FINISHED GRADES ON LEFT AND RIGHT SIDE OF WALL.

GENERAL NOTES (RETAINING WALL CONST.)

- RETAINING WALL FOOTINGS SHALL BE EMBEDDED A MINIMUM OF EIGHTEEN INCHES BELOW LOWEST ADJACENT GRADE. PRIOR TO PLACING FOOTINGS, THE EXPOSED SOILS SHOULD BE SCARIFIED TO A DEPTH OF EIGHT (8") INCHES. MOISTURE CONDITIONED TO A NEAR OPTIMUM (17-32% MOISTURE CONTENT) AND COMPACTED TO A MINIMUM OF 95% OF MAXIMUM DENSITY AS DETERMINED BY ASTM D-1557.
- RETAINING WALL SHALL NOT BE BACK-FILLED UNTIL AT LEAST 7 DAYS AFTER PLACING OF FINAL GROUT LEVEL. WHERE HEAVY EQUIPMENT IS USED IN BACKFILLING, SUCH EQUIPMENT SHOULD NOT APPROACH CLOSER TO THE TOP OF THE WALL THAN A DISTANCE EQUAL TO THE HEIGHT OF THE WALL. CARE SHOULD BE TAKEN TO AVOID EXERTING FORCES ON THE WALL AS COULD BE CAUSED BY EARTH MOVING EQUIPMENT.
- REINFORCED EXPANSION CONTROL PILASTERS SHALL BE SPACED AT 12'-0" AT WALL TRANSITIONS & SIDE LOT LINE. SEE PILASTER DETAIL THIS SHEET.
- DISCONTINUE HORIZONTAL WALL REINFORCEMENT AT JOINTS AND PILASTERS.
- REINFORCEMENT OF A SIZE AND SPACING OTHER THAN THAT GIVEN IN THE DETAILS MAY BE USED PROVIDING SUCH OTHER REINFORCEMENT FURNISHES AN AREA OF STEEL AT LEAST EQUAL TO THAT GIVEN IN THE DETAILS. LAP SPLICES IN REINFORCING BARS SHALL BE:
#3 BAR = 1'-4"
#4 BAR = 1'-8"
#5 BAR = 2'-2"
- HORIZONTAL REINFORCING IN FOOTINGS SHALL BE CONTINUOUS AROUND CORNERS AND THROUGH TRANSITIONS (EXCEPT AS NOTED BELOW). FIELD BEND BARS AT TRANSITIONS AS REQUIRED.
- FOUNDATIONS MAY BE PLACED DIRECTLY ON BASALT OUTCROP PROVIDED DIMENSIONS SHOWN IN DETAILS ARE MAINTAINED. WHERE FOUNDATIONS ARE BEARING ON BASALT AND TRANSITION TO BEARING ON FILL, A VERTICAL CONTROL JOINT SHALL BE INSTALLED AND FOUNDATION SHALL BE JOINTED WITH 1/2" FILLER MATERIAL SEE DETAIL 2.
- CONSTRUCTION OF RETAINING WALLS SHALL CONFORM TO REQUIREMENTS OF THE UNIFORM BUILDING CODE SECTION 24. LOW-IFT GROUTING METHOD.
- OMISSION OF A VERTICAL MORTAR JOINT ON FIRST COURSE AT 48" O.C. SHALL BE USED FOR WEEP HOLES.
- DESIGN DATA
BLOCK WEIGHT 12" = 130 PSF
BLOCK WEIGHT 8" = 85 PSF
SOIL WEIGHT = 100 PCF
EQUIV. FLUID PRESSURE = 32 PCF
SOIL BEARING PRESSURE = 1500 PCF (1/3 INCREASE FOR WIND/SEISMIC)
COEFFICIENT OF FRICTION = 0.4
PASSIVE SOIL PRESSURE = 300 PCF
CONCRETE F'c (28 DAYS) = 3000 PSI
GROUT STRENGTH = 2000 PSI
CMU GRADE N = 1500 PSI (GROUTED)
REINFORCEMENT = 60 ASTM A-615
MORTAR = TYPE M
- CONTRACTOR SHALL NOTIFY ENGINEER PRIOR TO CONCRETE FOOTING POUR FOR INSPECTION OF COMPACTION UNDER FOOTING, FOOTING DEPTH AND WIDTH AND WALL STEEL AND SPACING. FINAL INSPECTION OF FOOTING AND WALL WILL BE REQUIRED.
- CONTRACTOR SHALL BE RESPONSIBLE FOR CODE ADMINISTRATION APPROVAL AND FEES ASSOCIATED WITH IT.
- RETAINING WALLS SHALL RECEIVE A BITUMINOUS WATERPROOFING MATERIAL ACCEPTABLE TO THE ENGINEER. WATER-PROOFING SHALL BE APPLIED TO THE BACK OF THE CMU BELOW GRADE.

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL		REMARKS		DESIGN	
CONTRACTOR	UNIVERSAL	STATION MARK	IS A STANDARD USGCS BRASS	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE
CONTRACTOR	UNIVERSAL	STATION MARK	IS A STANDARD USGCS BRASS	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE
INSPECTOR	UNIVERSAL	TABLET, STAMPED "HUGHES, 1954", SET IN TOP OF		90201	BHI, PHOTOGRAPHY 6/90						
ACCEPTANCE BY	DATE	A CONCRETE POST PROJECTING 0.3 FT. ABOVE THE									
DATE	DATE	GROUND, TO REACH THE STATION FROM THE									
DATE	DATE	INTERSECTION OF CENTRAL AVE. AND COURTS CO									
DATE	DATE	NORTH OF THIS POINT TO A FENCED-IN PRAIRIE									
DATE	DATE	ON THE WEST SIDE OF COURTS RD ELEV. 5049.93									

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP		RIVERVIEW CROSSING SUBDIVISION CMU RETAINING WALL DETAILS	
APPROVALS	ENGINEER	DATE	APPROVALS
ENGINEER	DATE	ENGINEER	DATE
TRANSPORTATION	DATE	TRANSPORTATION	DATE
HYDROLOGY	DATE	HYDROLOGY	DATE
DRAWING NO.	4544.90	MAP NO.	D-12
SHEET	11	OF	11