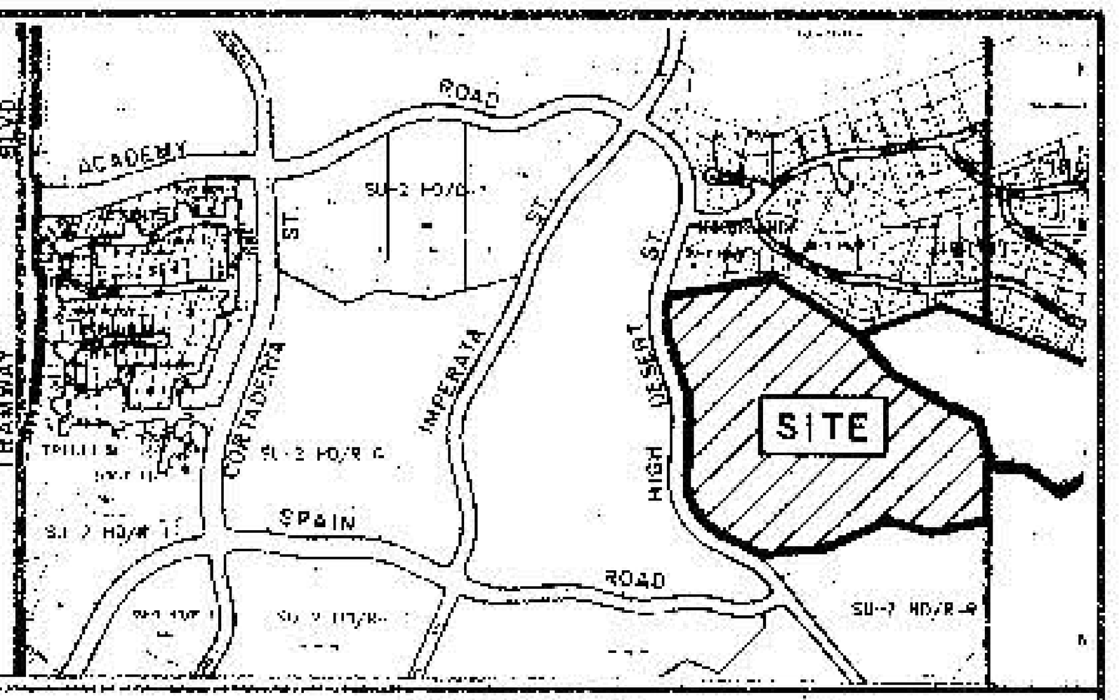
CONSTRUCTION PLANS
FOR PHASE 1 OF
THE OVERLOOK SUBDIVISION
AT HIGH DESERT
ALBUQUERQUE, NEW MEXICO



VICINITY MAP
NOT TO SCALE
E-23

NOTICE TO CONTRACTORS

1. 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 AND SHALL INCLUDE UPDATE No.6
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 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.
5. ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED W/ PLASTIC REFLECTORIZED PAVEMENT MARKING BY CONTRACTOR TO LOCATION AS EXISTING OR AS INDICATED BY THIS PLAN SET.
6. 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 COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO SECTION 4.4 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS. ANY PERMANENT SURVEY MONUMENT LOCATED WITHIN 50' OF THE PROJECT LIMITS NOT SHOWN ON THE PLANS THAT IS DESTROYED DURING CONSTRUCTION WILL BE REPLACED AT DESIGNER'S EXPENSE.
7. ANY WORK WITHIN AN ARTERIAL ROADWAY REQUIRES TWENTY-FOUR HOUR CONSTRUCTION.

THE FOLLOWING NOTES ALSO APPLY WHEN CHECKED

- [x] 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.
- [x] IF CURB IS DEPRESSED FOR A DRIVEPAD, THE DRIVEPAD SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.
- [x] ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.
- [x] 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.

APPROVAL OF AS BUILT DRAWINGS
CHIEF CONSTRUCTION ENGINEER
DATE

RECORD DRAWING
DATE: 5-3-99

REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
1	6, 12 & 13						

ENGINEERS STAMP & APPROVAL
8/26/98

APPROVALS	ENGINEER	DATE
DRC Chairman		9-1-98
Transportation		9-1-98
Water/Wastewater		9-1-98
Hydrology		9-1-98
CIP		
Constr. Mngmt.		
Constr. Coord		9-1-98

APPROVED FOR CONSTRUCTION

City Engineer — Date

DRB #98-169

BHI JOB NO. C99237A08

BOHANNAN-HUSTON INC.
ENGINEERS • PLANNERS • PHOTOGRAMMETRISTS • SURVEYORS • LANDSCAPE ARCHITECTS
ALBUQUERQUE LAS CRUCES SANTA FE

CITY PROJECT NO. 571285

SHEET 1 OF 20

DATE: AUGUST 1998

GENERAL NOTES:

1. EXISTING ZONING: SU-2HD/R-LT
   PROPOSED ZONING: SU-2HD/R-LT

   PROPOSED DEVELOPMENT:
   LOW-DENSITY SINGLE FAMILY DETACHED

2. DESCRIPTION: TRACT 14A AT HIGH DESERT

   TOTAL ACREAGE: 38.01 ACRES
   NET ACREAGE: 38.01 ACRES

   TOTAL NUMBER OF LOTS: 67

   PROPOSED DENSITY: 1.76 D.U./AC

3. MINIMUM NET LOT AREA: 0.30 ACRE

   LOTS SHALL HAVE A FLOOR AREA RATIO OF: 0.30 MAXIMUM

   BUILDING ENVELOPES SHALL BE: 10,000 SF (OR LESS)

   DISTANCE BETWEEN BUILDING ENVELOPES AND
   LOT LINES: 10' MINIMUM
   RIGHT-OF-WAY: 20' MINIMUM

4. NO MORE THAN ONE WOOD BURNING FIREPLACE IS PERMITTED PER LOT. ALL OTHER FIREPLACES MUST BE GAS FIRED USING ARTIFICIAL LOGS.

5. ALL STREETS AND DRAINAGE IMPROVEMENTS ARE TO BE PUBLIC, TO BE DEDICATED FOR MAINTENANCE TO THE CITY OF ALBUQUERQUE.

6. ALL SANITARY AND PUBLIC EASEMENTS AND WATER UTILITIES IN THE STREET R/W ARE TO BE PUBLIC, AND TO BE DEDICATED FOR MAINTENANCE TO THE CITY OF ALBUQUERQUE.

7. THIS SUBDIVISION LIES WITHIN THE CITY OF ALBUQUERQUE. WATER AND SANITARY SEWER CAPABILITIES ARE BASED ON THE CITY OF ALBUQUERQUE'S FACILITIES. WATER AND SANITARY SEWER INFRASTRUCTURE IMPROVEMENTS MUST BE APPROVED BY THE CITY OF ALBUQUERQUE.

8. A PRIVATE CROSS-LOT DRAINAGE EASEMENT ACROSS THE ENTIRE TRACT, EXCEPT WITHIN THE BUILDING ENVELOPES AND THE RIGHTS-OF-WAY SHALL BE GRANTED WITH THE FILING OF THE FINAL PLAT.

OWNER:

Douglas Collister 7-20-98

HIGH DESERT INVESTMENT CORP. PRESIDENT DATE
DOUGLAS H. COLLISTER

SURVEY NOTES:

1. UNLESS OTHERWISE NOTED, ALL BOUNDARY CORNERS SHOWN THUS (⊕) SHALL BE MARKED BY A #5 REBAR STAMPED "WEAVER LS 6544".

2. FOUND 3" ALUM. CAP ON 2.5"x30" ALUM. ROD CORNERS SHOWN THUS (⊙) STAMPED LS 6544 AND DATED 1983.

3. ALL STREET CENTERLINE MONUMENTATION SHALL BE INSTALLED AT ALL CENTERLINE PC'S, PT'S, ANGLE POINTS AND STREET INTERSECTIONS AND SHOWN THUS (▲) WILL BE MARKED BY A FOUR (4") ALUMINUM CAP STAMPED "CITY OF ALBUQUERQUE CENTERLINE MONUMENTATION MARKED, DO NOT DISTURB. P.L.S. 6544".

4. THE SUBDIVISION BOUNDARY WILL BE TIED TO THE NEW MEXICO STATE PLANE COORDINATE SYSTEM AS SHOWN.

5. BASIS OF BEARINGS WILL BE NEW MEXICO STATE PLANE GRID BEARINGS.

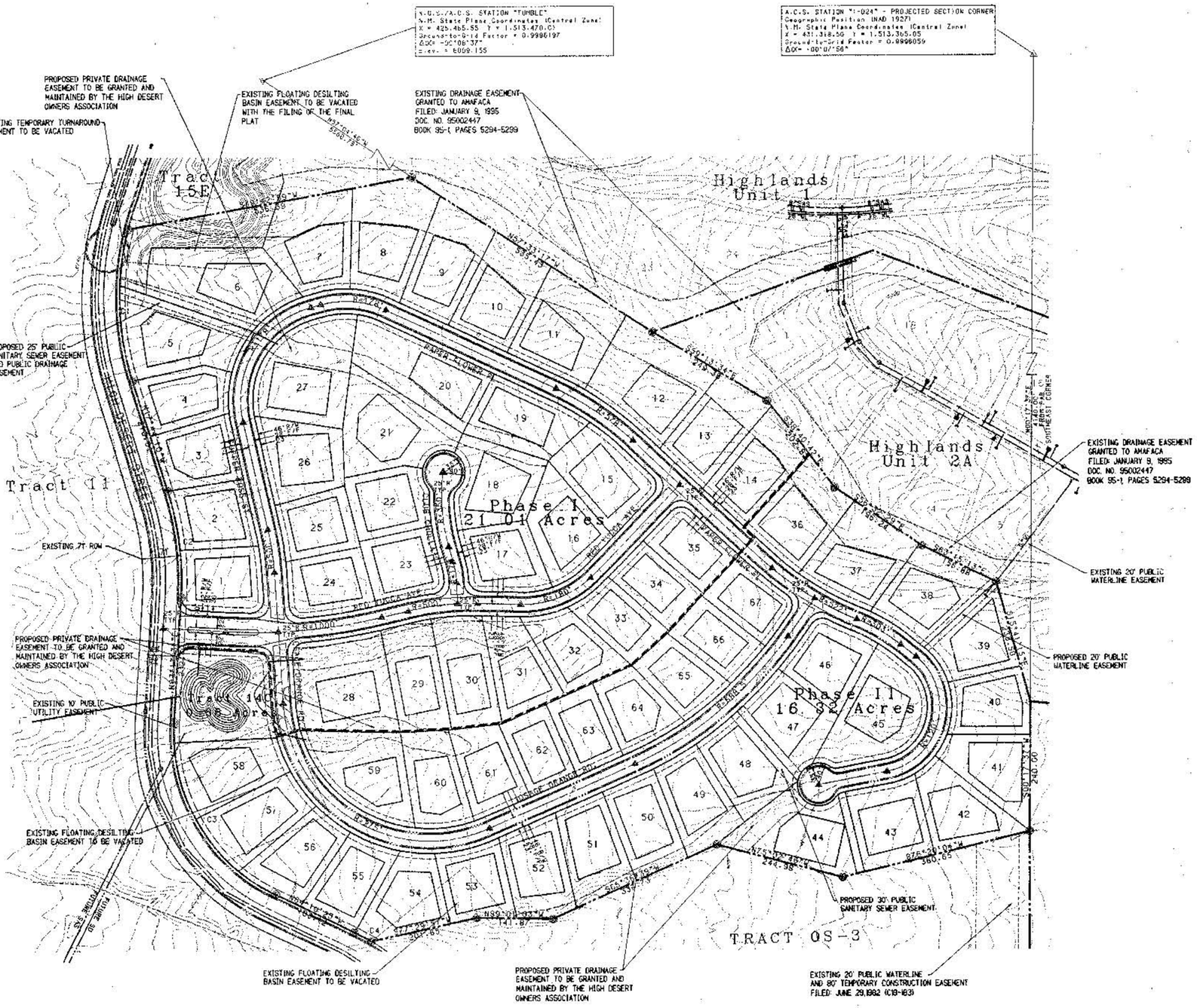
6. DISTANCES SHALL BE GROUND DISTANCES.

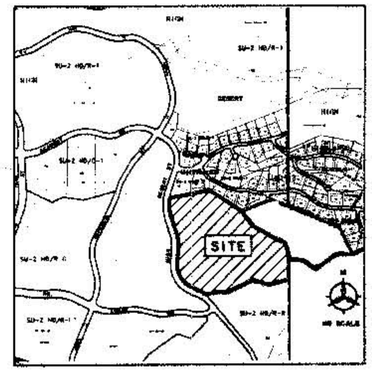
7. MANHOLES WILL BE OFFSET AT ALL POINTS OF CURVATURE, POINTS OF TANGENCY, STREET INTERSECTIONS AND ALL OTHER ANGLE POINTS TO ALLOW THE USE OF CENTERLINE MONUMENTATION.

APPROVED FOR MONUMENTATION AND STREET NAMES:

07-27-98

CITY SURVEYOR DATE





LOCATION MAP
ZONE ATLAS MAP NO. E-23
NO SCALE

BOUNDARY CURVE DATA TABLE

NUMBER	DELTA	DEGREE	TANGENT	ARC	RADIUS
C1	31°54'44"	11°13'45"	145.89'	284.19'	510.24'
C2	21°01'41"	10°17'04"	103.40'	204.47'	557.12'
C3	67°27'56"	16°58'03"	225.48'	397.62'	337.68'
C4	4°55'26"	13°39'53"	18.03'	36.03'	419.30'

PRELIMINARY PLAT
(TRACT 14A)
THE OVERLOOK AT HIGH DESERT
JULY, 1998

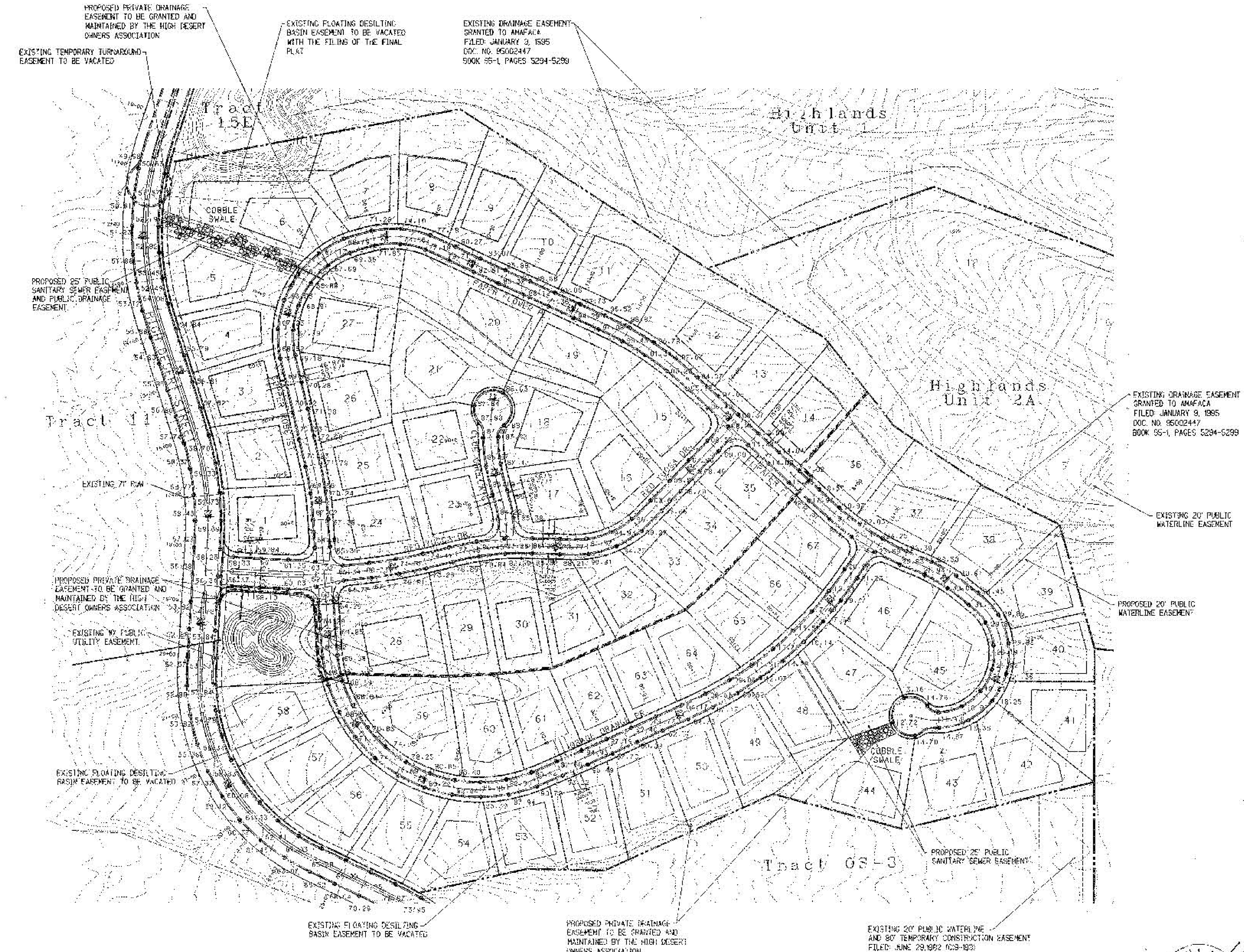
N

100 50 0 100
SCALE: 1" = 100'

RECORD DRAWING
DATE: 5-3-99

BOHANNAN-HUSTON INC.
ENGINEERS • PLANNERS • PHOTOGRAMMETRISTS • SURVEYORS • LANDSCAPE ARCHITECTS
ALBUQUERQUE LAS CRUCES SANTA FE

FILENAME: COPS\EC95307A2440-PAD14A-PREPLAT.SRF



GENERAL NOTES

1. CONTRACTOR MUST OBTAIN A TOPSOIL DISTURBANCE PERMIT FROM THE ENVIRONMENTAL HEALTH DIVISION PRIOR TO CONSTRUCTION.
2. THE CONTRACTOR IS TO REFER TO EARTHWORK SPECIFICATION AS NOTED IN THE SOILS REPORT PREPARED BY GEO - TEST, DATED JANUARY 19, 1998
3. THE CONTRACTOR SHALL CONFORM TO ALL CITY, COUNTY, STATE, AND FEDERAL DUST CONTROL MEASURES AND REQUIREMENTS AND WILL BE RESPONSIBLE FOR PREPARING AND OBTAINING ALL NECESSARY APPLICATIONS AND APROVALS.
4. THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE LOTS INTO PUBLIC RIGHT-OF-WAY. THIS CAN BE ACHIEVED BY CONSTRUCTING TEMPORARY BERMS AS PER DETAIL THIS SHEET AND WETTING THE SOIL TO KEEP IT FROM BLOWING.
5. ALL SPOT ELEVATIONS ARE FLOWLINE UNLESS OTHERWISE NOTED. VALLEY GUTTER ELEVATIONS ARE SHOWN AT FLOWLINE.

SCALE: 1" = 100'

LEGEND

PROJECT BOUNDARY	
EXISTING CONTOUR	
EXISTING SPOT ELEVATION	○ 25.5
PROPOSED SPOT ELEVATION	● 25.5
DIRECTION OF FLOW	S=2.564%
BASIN BOUNDARY	
SUB-BASIN BOUNDARY	
PROPOSED 2-5' FILLED CMU WALL	
EXISTING GARDEN WALL	
EXISTING STORM DRAIN LINE	SD
EXISTING STORM DRAIN MANHOLE	
EXISTING STORM DRAIN INLET	
PROPOSED STORM DRAIN LINE	SD
PROPOSED STORM DRAIN MANHOLE	
PROPOSED STORM DRAIN INLET	
TOE OF SLOPE	
EROSION CONTROL BERM	

AS-BUILT INFORMATION

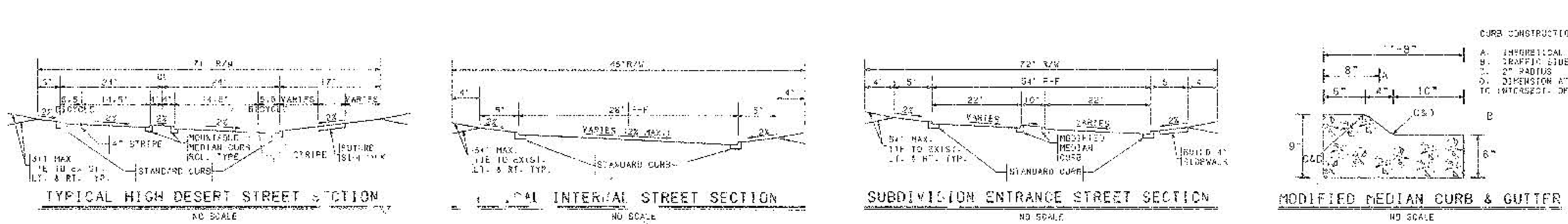
SURVEY INFORMATION — FIELD NOTES — NO. — BY — DATE

BENCH MARKS: STATION IS A STANDARD ... GEOLOGICAL SURVEY BENCH MARK, TOP ... TABLET STAMPED "TUMBLE 1965" SET IN CONCRETE PROJECTING 0.2 FEET ABOVE GROUND, LOCATED 469 FEET WEST OF THE INTERSECTION OF SAN ANTONIO DRIVE AND TENNYSON STREET, AND 35 FEET NORTH OF RIGHT-OF-WAY LINE OF SAN ANTONIO DR. ELEV.=6009.155

ENGINEER'S SEAL: KEVIN G. PATTON, NEW MEXICO, 12685 — 6/12/98

NO. — DATE — REMARKS: REVISE VS DESIGN — BY

DESIGNED BY KP, 16 — DATE 6/98
DRAWN BY SAG — DATE 6/98
CHECKED BY KP — DATE



TYPICAL HIGH DESERT STREET SECTION — NO SCALE

TYPICAL INTERNAL STREET SECTION — NO SCALE

SUBDIVISION ENTRANCE STREET SECTION — NO SCALE

MODIFIED MEDIAN CURB & GUTTER — NO SCALE

RECORD DRAWING
DATE: 5-3-99

BHI JOB NO. 99237A06

APPROVED FOR ROUGH GRADING (? ?)

HYDROLOGY ENGINEER — DATE

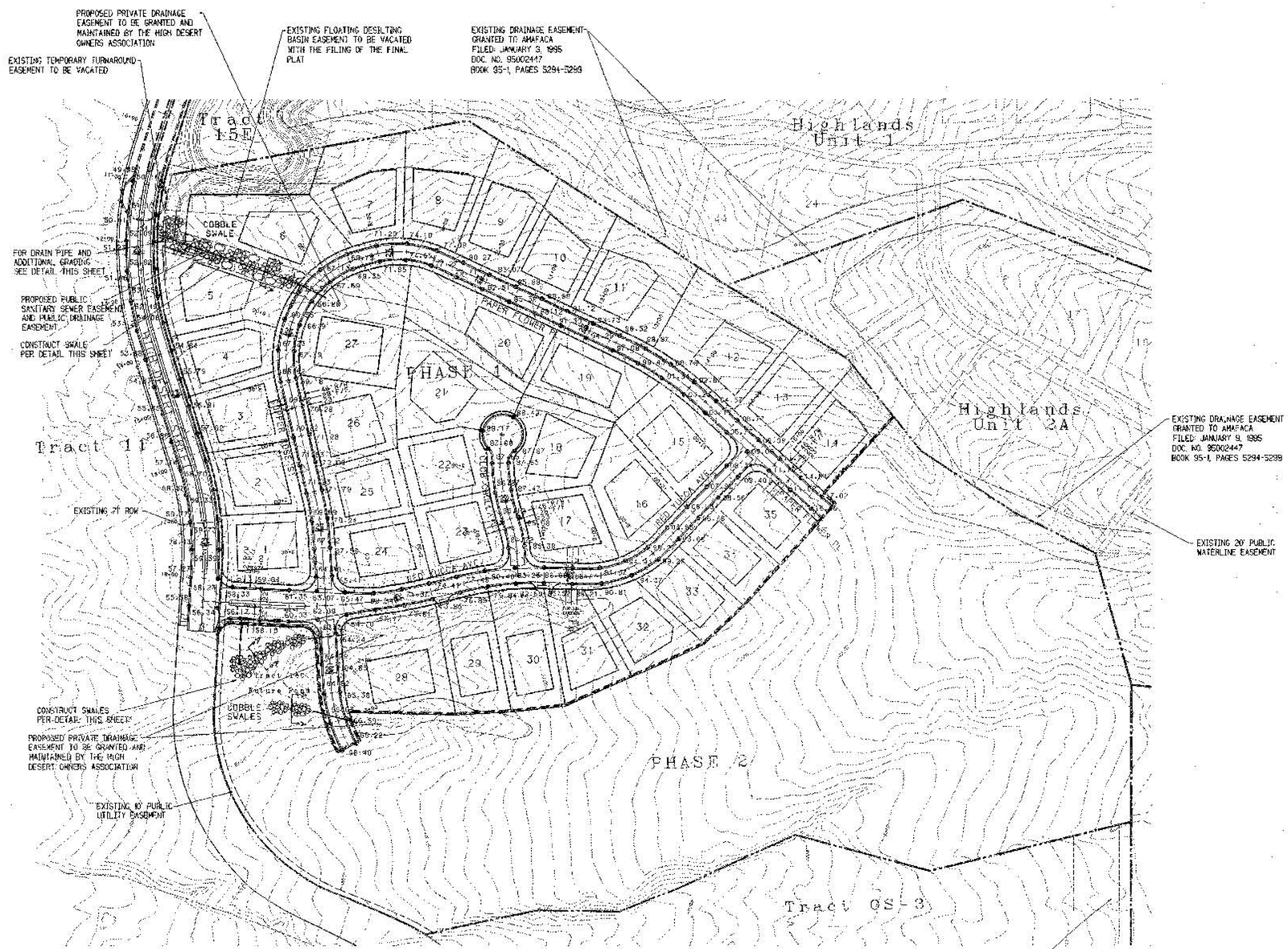
BOHANNAN-HUSTON INC.
ENGINEERS • PLANNERS • PHOTOGRAMMETRISTS • SURVEYORS • LANDSCAPE ARCHITECTS
ALBUQUERQUE — LAS CRUCES — SANTA FE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

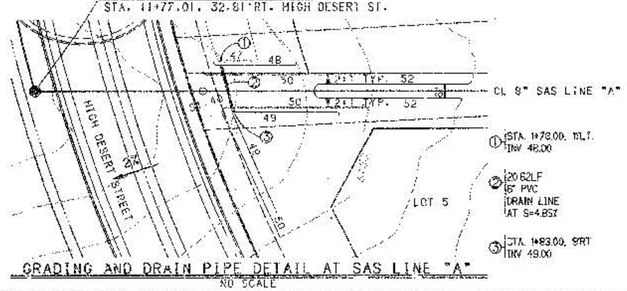
HIGH DESERT TRACT-14A
OVERALL GRADING AND DRAINAGE PLAN

DESIGN REVIEW BOARD NO.	APPROVAL DATE	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
___-___	__/__/__			

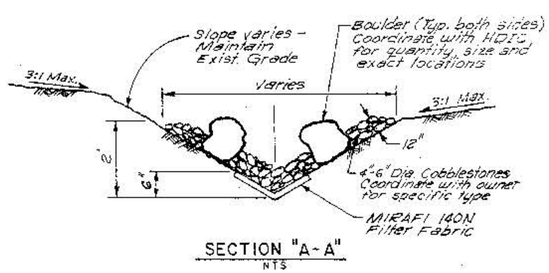
CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
571285	E-23	3	20



STA. 1+00.00, CL SAS LINE "A"
STA. 11+77.01, 32.81' RT. HIGH DESERT ST.



GRADING AND DRAIN PIPE DETAIL AT SAS LINE "A"
NO SCALE



SECTION "A-A"
NTS

GENERAL NOTES

1. CONTRACTOR MUST OBTAIN A TOPSOIL DISTURBANCE PERMIT FROM THE ENVIRONMENTAL HEALTH DIVISION PRIOR TO CONSTRUCTION.
2. THE CONTRACTOR IS TO REFER TO EARTHWORK SPECIFICATION AS NOTED IN THE SOILS REPORT PREPARED BY GED - TEST, DATED JANUARY 19, 1998
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4. THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE LOTS INTO PUBLIC RIGHT-OF-WAY. THIS CAN BE ACHIEVED BY CONSTRUCTING TEMPORARY BERMS AS PER DETAIL THIS SHEET AND MEETING THE SOIL TO KEEP IT FROM BLOWING.
5. ALL SPOT ELEVATIONS ARE FLOWLINE UNLESS OTHERWISE NOTED, VALLEY GUTTER ELEVATIONS ARE SHOWN AT FLOWLINE.

N

SCALE: 1" = 100'

LEGEND

PROJECT BOUNDARY	
EXISTING CONTOUR	
EXISTING SPOT ELEVATION	025.5
PROPOSED SPOT ELEVATION	●36.6
DIRECTION OF FLOW	S=2.56%
BASIN BOUNDARY	
SUB-BASIN BOUNDARY	
PROPOSED 2.5' FILLED CMU WALL	
EXISTING GARDEN WALL	
EXISTING STORM DRAIN LINE	SD
EXISTING STORM DRAIN MANHOLE	
EXISTING STORM DRAIN INLET	
PROPOSED STORM DRAIN LINE	SD
PROPOSED STORM DRAIN MANHOLE	
PROPOSED STORM DRAIN INLET	
TOP OF SLOPE	
EROSION CONTROL BERM	

APPROVED FOR ROUGH GRADING (5-1-99)

HYDROLOGY ENGINEER — DATE 9-22-98

AS-BUILT INFORMATIC

BENCH MARKS
STATION "S" A STANDARD DISC & GS BRASS

FIELD NOTES

NO.	BY	DATE

GEOLOGICAL SURVEY BENCH MARK "108"
TABLE: STAMPED "TUMBLE 1969" SET IN CONCRETE PROJECTING 0.2 FEET ABOVE GROUND, LOCATED 489 FEET WEST OF THE INTERSECTION OF SAN ANTONIO DRIVE AND TENAYSON STREET, AND 35 FEET NORTH OF RIGHT-OF-WAY LINE OF SAN ANTONIO DR. ELEV.=5009.155

CONTRACTOR Universal
SURVEY STAKED BY BH DATE 5/99
AS-BUILT ACCEPTANCE BY Bill Hughes DATE 5/99
FIELD LOCATION BY BH DATE 5/99
DRAWINGS CORRECTED BY BH DATE 5/99

MICRO-FILM INFORMATION
RECORDED BY
DATE
NO.

ENGINEER'S SEAL: KEVIN G. PATTON, NEW MEXICO, 8/24/98

NO.	DATE	REMARKS	DES. GN	DATE
		REVISIONS		

DESIGNED BY KP, TG — DATE 8/98
DRAWN BY SAR — DATE 8/98
CHECKED BY KP — DATE 8/98

RECORD DRAWING
DATE: 5-3-99

BHI JOB NO 98237A06

BOHANNAN-HUSTON INC.
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ALBUQUERQUE LAS CRUCES SANTA FE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

HIGH DESERT TRACT-14A
PHASE 1 - GRADING AND DRAINAGE PLAN

DESIGN REVIEW BOARD NO.	APPROVAL DATE	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
__-____	__/__/__			

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
571285	E-23	4	20

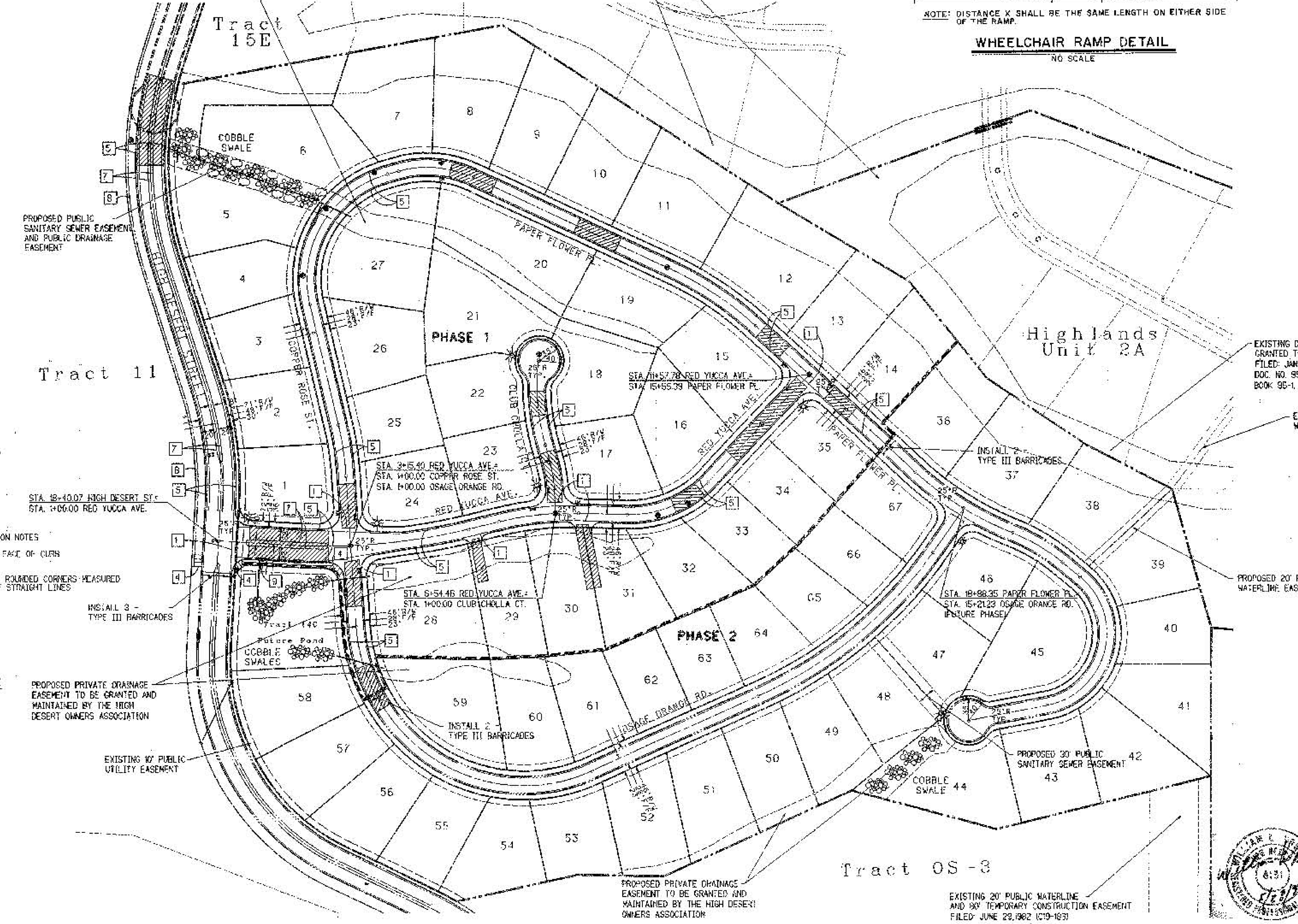
USERNAME: CORP5\CGS530\A2440\PAD3\A-DRAINING-P1.GRF

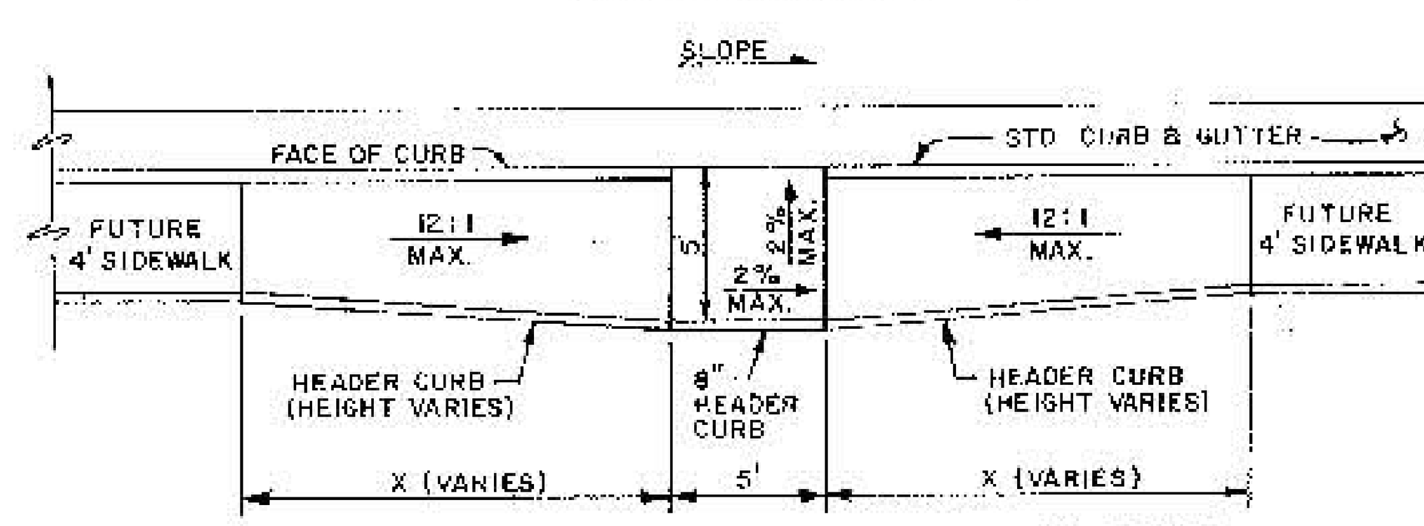
DATE: AUGUST 25, 1998

NOTE:
CONTRACTOR SHALL INSTALL A SMOOTH WIRE FENCE 5' BEYOND GRADING LIMITS TO CONFINE ITS WORK WITHIN THE CONSTRUCTION LIMITS, TO MINIMIZE THE DISTURBANCE TO THE EXISTING VEGETATION. THE CONTRACTOR SHALL CONFINE WORK WITHIN LIMITS OF FENCING.

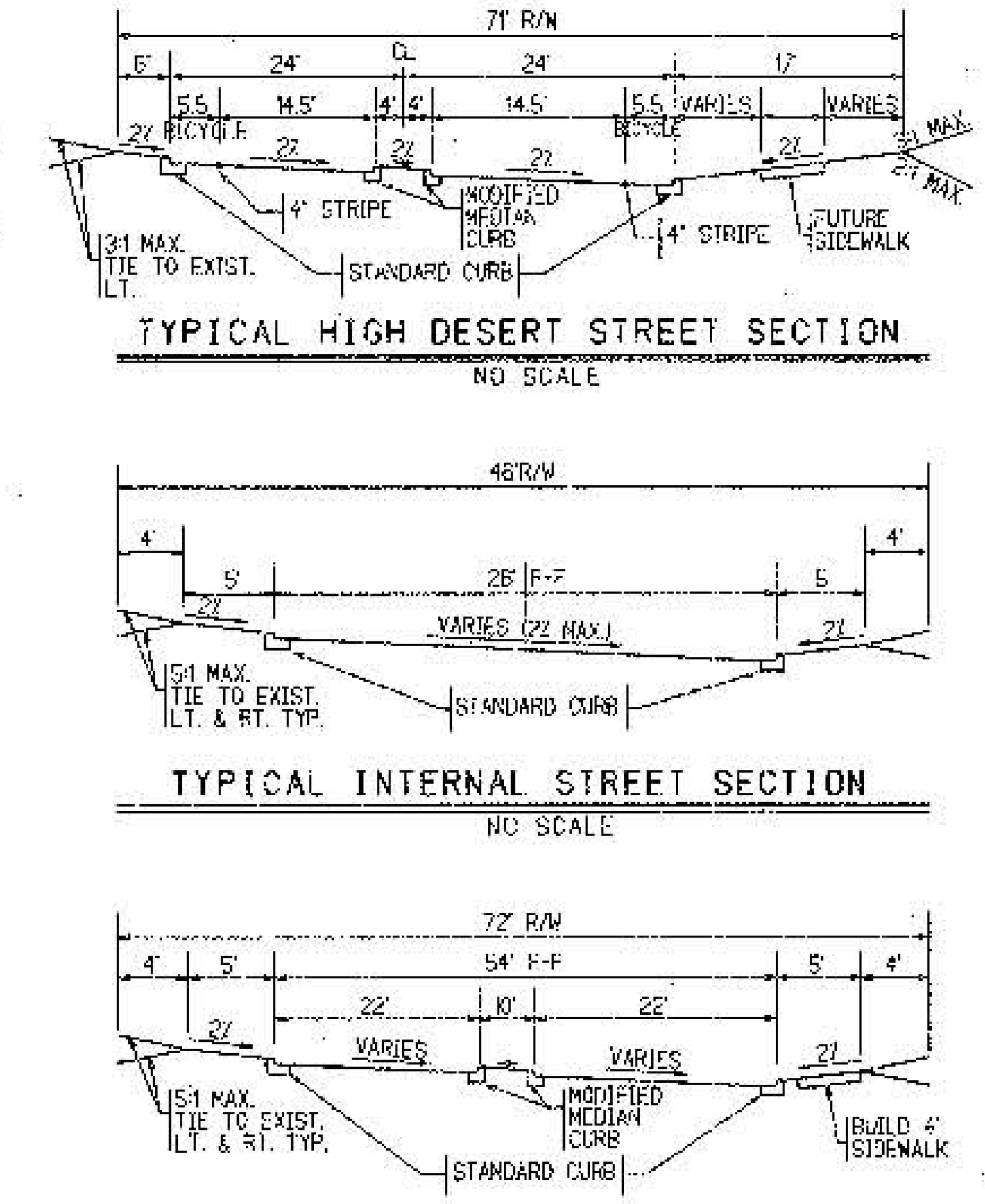
KEYED GENERAL NOTES

1. INSTALL CONCRETE VALLEY GUTTER AS PER STD. DWG. 2420 (ALT. B)
2. INSTALL CONCRETE VALLEY GUTTER AS PER STD. DWG. 2421
3. INSTALL WHEEL CHAIR RAMP AS PER STD. DWG. 2441, CASE 1
4. INSTALL WHEEL CHAIR RAMP AS PER ADA STANDARDS. SEE THIS SHEET
5. STD. CURB & GUTTER AS PER STD. DWG. 2415
6. MOUNTABLE CURB ROLL TYPE AS PER STD. DWG. 2415
7. MODIFIED MEDIAN CURB & GUTTER AS PER DETAIL THIS SHEET
8. FUTURE SIDEWALK
9. BUILD 4' SIDEWALK
10. 10' MEANDERING ASPHALT TRAIL TO BE BUILT IN CONJUNCTION WITH LANDSCAPING PLAN





WHEELCHAIR RAMP DETAIL
NO SCALE

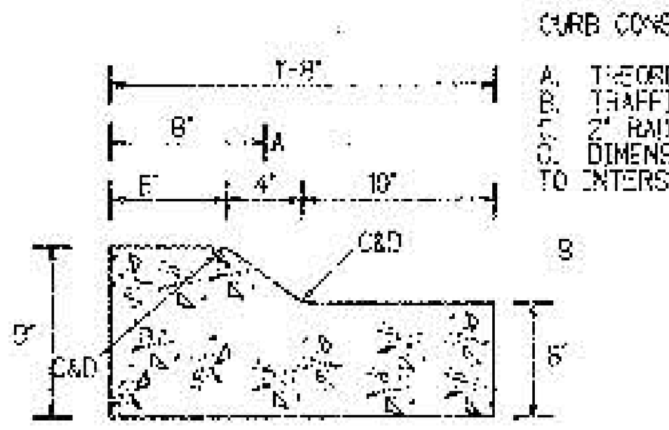


TYPICAL HIGH DESERT STREET SECTION
NO SCALE

TYPICAL INTERNAL STREET SECTION
NO SCALE

SUBDIVISION ENTRANCE STREET SECTION
NO SCALE

CURB CONSTRUCTION NOTES
A. THEORETICAL FACE OF CURB
B. TRAFFIC SIDE
C. 2" RADIUS
DIMENSION A" ROUNDED CORNERS MEASURED TO INTERSECT. OF STRAIGHT LINES

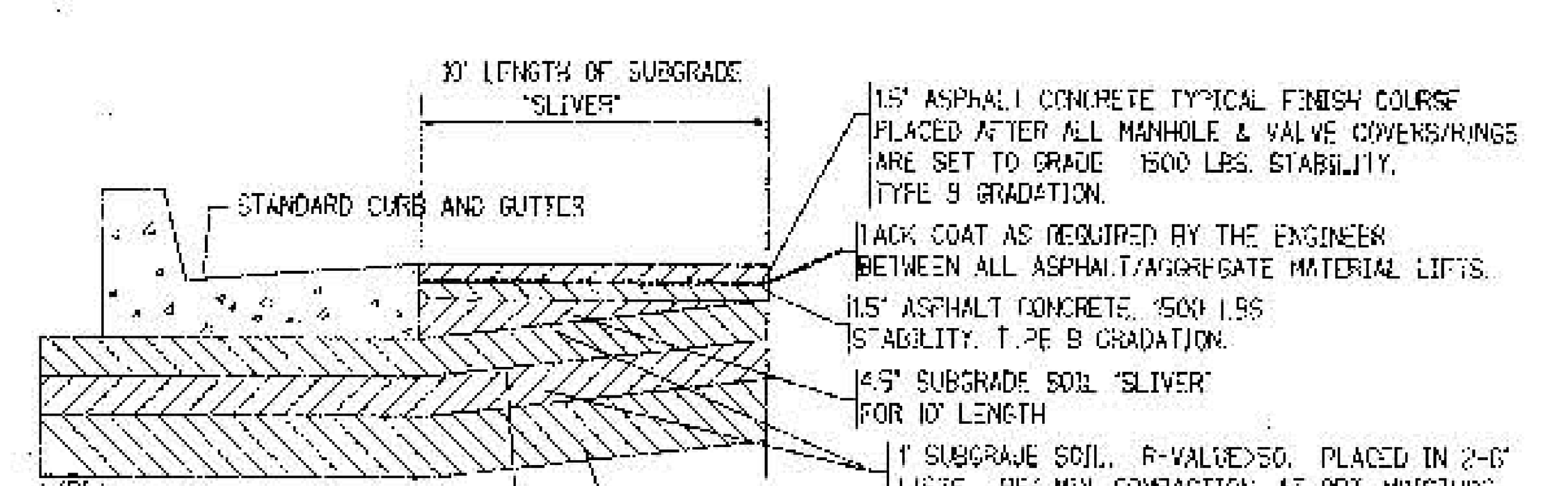


MODIFIED MEDIAN CURB & GUTTER
NO SCALE

NOTE:
IF THE R-VALUE IS LESS THAN 52 THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY AT 823-1000 FOR A REVISED PAVEMENT SECTION.

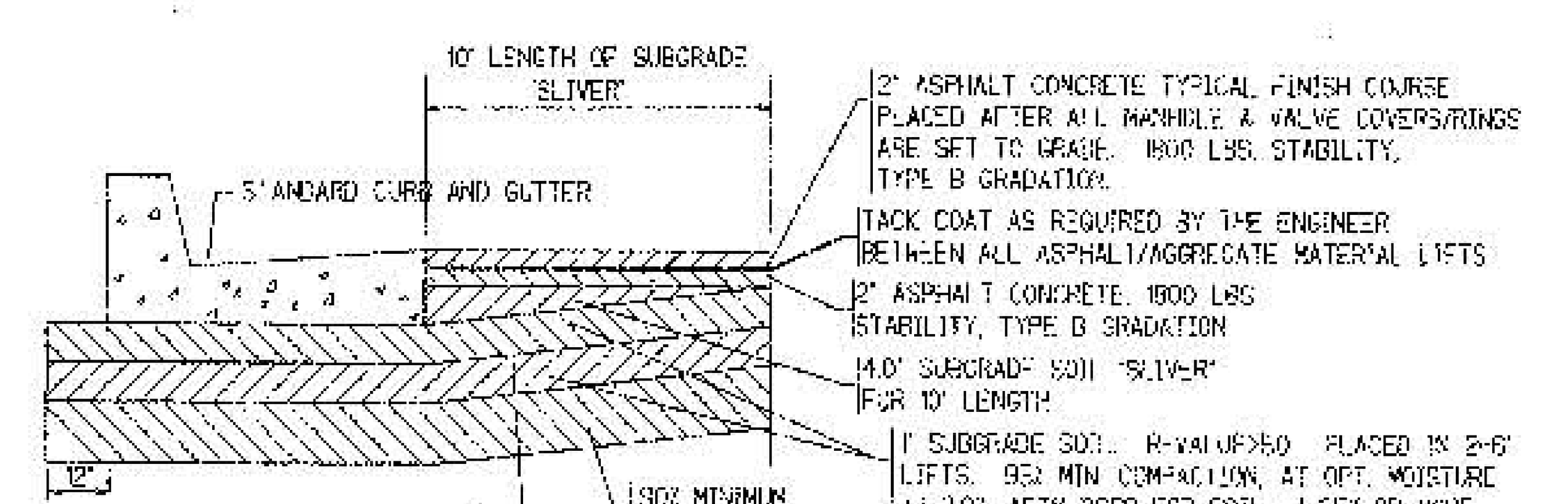
LEGEND

- 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
- TRANSITION AREA
- PROPOSED CONDUIT PIPE
- EXISTING CONDUIT PIPE
- PROPOSED STREET LIGHT
- PROPOSED RETAINING WALL
- PHASE BOUNDARY



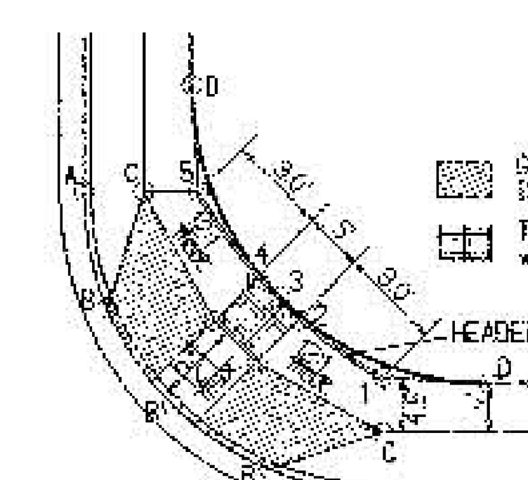
FINISH SURFACES OF SUBGRADE SHALL BE MOISTURE CONTROLLED AT THE COMPACTION MOISTURE RANGE, OR A PRIME COAT APPLIED AS REQUIRED BY THE ENGINEER UNTIL NEXT/FINAL SURFACING IS COMPLETED. SUBGRADE PREPARATION SHALL BE PERFORMED AFTER ALL SUBSURFACE R/W UTILITIES CONSTRUCTION ARE COMPLETED.

TYPICAL PAVEMENT SECTION
NO SCALE (REFER TO COA STD DWG 2405)



FINISH SURFACES OF SUBGRADE SHALL BE MOISTURE CONTROLLED AT THE COMPACTION MOISTURE RANGE, OR A PRIME COAT APPLIED AS REQUIRED BY THE ENGINEER UNTIL NEXT/FINAL SURFACING IS COMPLETED. SUBGRADE PREPARATION SHALL BE PERFORMED AFTER ALL SUBSURFACE R/W UTILITIES CONSTRUCTION ARE COMPLETED.

ENTRANCE PAVEMENT SECTION
RED YUCCA AVE. - STA. 1+00.00 TO 3+51.85 AND HIGH DESERT STREET
NO SCALE



ADA WHEEL CHAIR RAMP DETAIL
NO SCALE

A = CURB RETURN POINT
B = QUARTER POINTS
C = 5' BEHIND FACE OF CURB RETURN
D = RIGHT OF WAY RETURN POINT

NOTE: ALL HANDICAP RAMPS AND QUARTER POINT TABLES IDENTIFIED BY LETTER ON THE P & P SHEETS (CORRESPONDING TO THE LETTERS IN THE TABLE ABOVE)

RECORD DRAWING
DATE: 5-3-99

NOTE: PT.3 ELEV. IS AT TOP OF HEADER CURB

RAMP	PT.1	PT.2	PT.3	PT.4	PT.5
B	55.78	56.09	56.64	55.79	56.30
D	61.99	62.74	63.29	62.84	63.39

BHI JOB NO. 89237A08

BOHANNAN-HUSTON INC.
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ALBUQUERQUE LAS CRUCES SANTA FE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

THE OVERLOOK AT HIGH DESERT
MASTER PAVING PLAN

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
571285	E-23	5	20

AS-BUILT INFORMATION
CONTRACTOR Universal 5/99
STAKED BY BH
INSPECTOR'S ACCEPTANCE BY BH/BhA DATE 5/99
FIELD VERIFICATION BY BH
DRAWINGS CORRECTED BY BH DATE 5/99
MICRO-FILM INFORMATION
RECORDED BY _ DATE _
NO. _

BENCH MARKS
STA "OR" IS A STANDARD 3/4" US BRASS GEOLOGICAL SURVEY BENCH MARK. TOP TABLET STAMPED "TUMBLE 1969" SET IN CONCRETE PROJECTING 0.2 FEET ABOVE GROUND. LOCATED 489 FEET WEST OF THE INTERSECTION OF SAN ANTONIO DRIVE AND TENNYSON STREET, AND 35 FEET NORTH OF RIGHT-OF-WAY LINE OF SAN ANTONIO DR. ELEV.=6009.155

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

REVISIONS

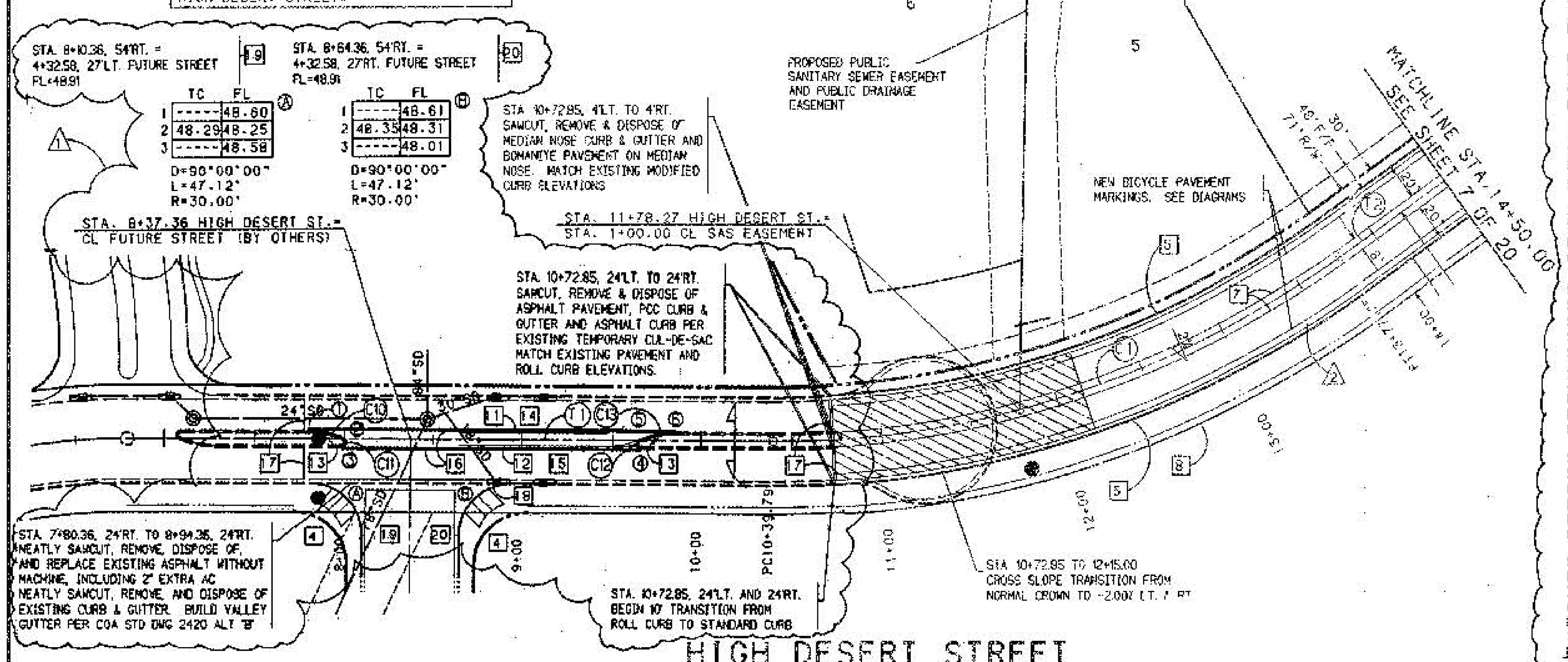
NO.	DATE	REMARKS	BY
	8/98	DESIGN	

DESIGNED BY	KP	DATE 8/98
DRAWN BY	SAR	DATE 8/98
CHECKED BY	KP	DATE 8/98

CENTERLINE CURVE DATA TABLE					
NUMBER	PI STA.	DELTA	TANGENT	ARC	RADIUS
C1	12+14.50	35°50'35.2"	174.72'	337.96'	540.24'

CENTERLINE TANGENT TABLE		
NUMBER	BEARING	DISTANCE
T1	S18°06'25"W	289.79'
T2	S17°44'10"E	210.01'

NOTE: CONTRACTOR SHALL COORDINATE w/HDIC (823-9360) PRIOR TO ANY CONSTRUCTION OR REMOVALS WITHIN HIGH DESERT STREET.



MEDIAN CURB CURVE DATA TABLE					
NUMBER	PI STA.	DELTA	TANGENT	ARC	RADIUS
C10	7+89.56	23°33'26.9"	10.43'	20.56'	50.00'
C11	8+09.37	157°33'49.8"	10.08'	5.50'	2.00'
C12	9+77.51	160°42'17.9"	11.77'	5.61'	2.00'
C13	9+75.99	23°33'41.0"	10.43'	20.56'	50.00'

ADDITIONAL CONSTRUCTION NOTES:

[11] STA. 8+64.36, 4'LT. TO STA. 9+46.36, 4'LT. INSTALL 4" SOLID WHITE REFLECTIVE PLASTIC STRIPE

[12] STA. 8+64.36, 4'RT. TO STA. 9+66.32, 4'RT. INSTALL 4" DOUBLE SOLID YELLOW REFLECTIVE PLASTIC STRIPE

[13] PAVE MEDIAN NOSE w/ 4" BOMANITE CONCRETE 10LF FROM NOSE TYP. COORDINATE PATTERN w/ HIGH DESERT INVESTMENT CORP.

[14] STA. 7+79.14, 4'LT. TO STA. 9+85.55, 4'LT. REMOVE EXIST. MEDIAN CURB & GUTTER. MATCH EXIST. TC AND FL

[15] STA. 7+98.28, 4'RT. TO STA. 9+66.32, 4'RT. REMOVE EXIST. MEDIAN CURB & GUTTER. MATCH EXIST. TC AND FL

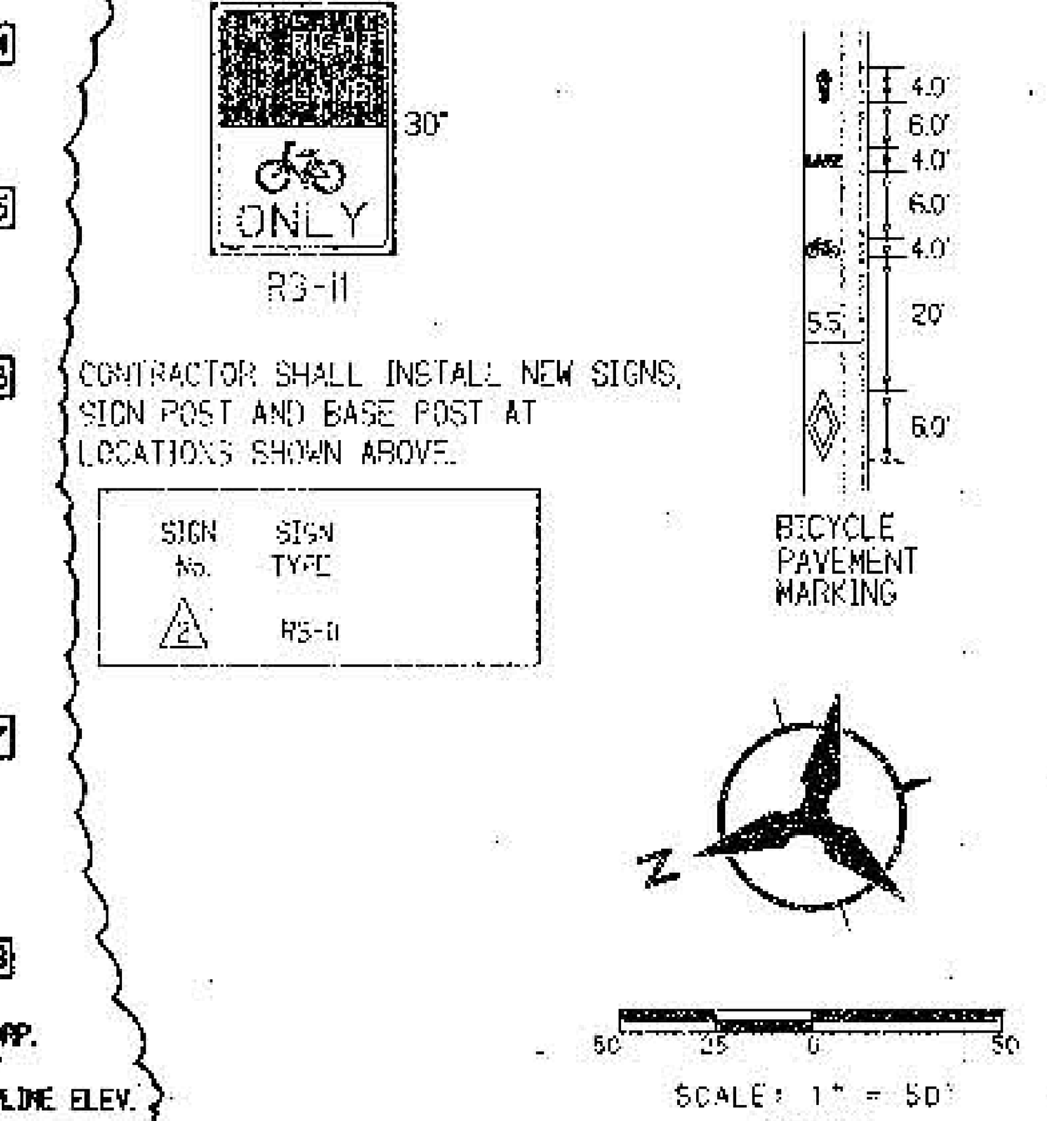
[16] STA. 7+79.14, 5.83'LT. TO STA. 9+85.55, 5.83'LT. AND STA. 7+98.28, 5.83'RT. TO STA. 9+66.32, 5.83'RT. SAWCUT REMOVE AND DISPOSE OF ASPHALT PAVEMENT. COMPACT THIS AREA IN ADDITION TO THE AREA OF EXISTING MEDIAN REMOVAL AND REPLACE WITH ASPHALT PAVEMENT SECTION PER DETAIL SHEET 5 OF 20.

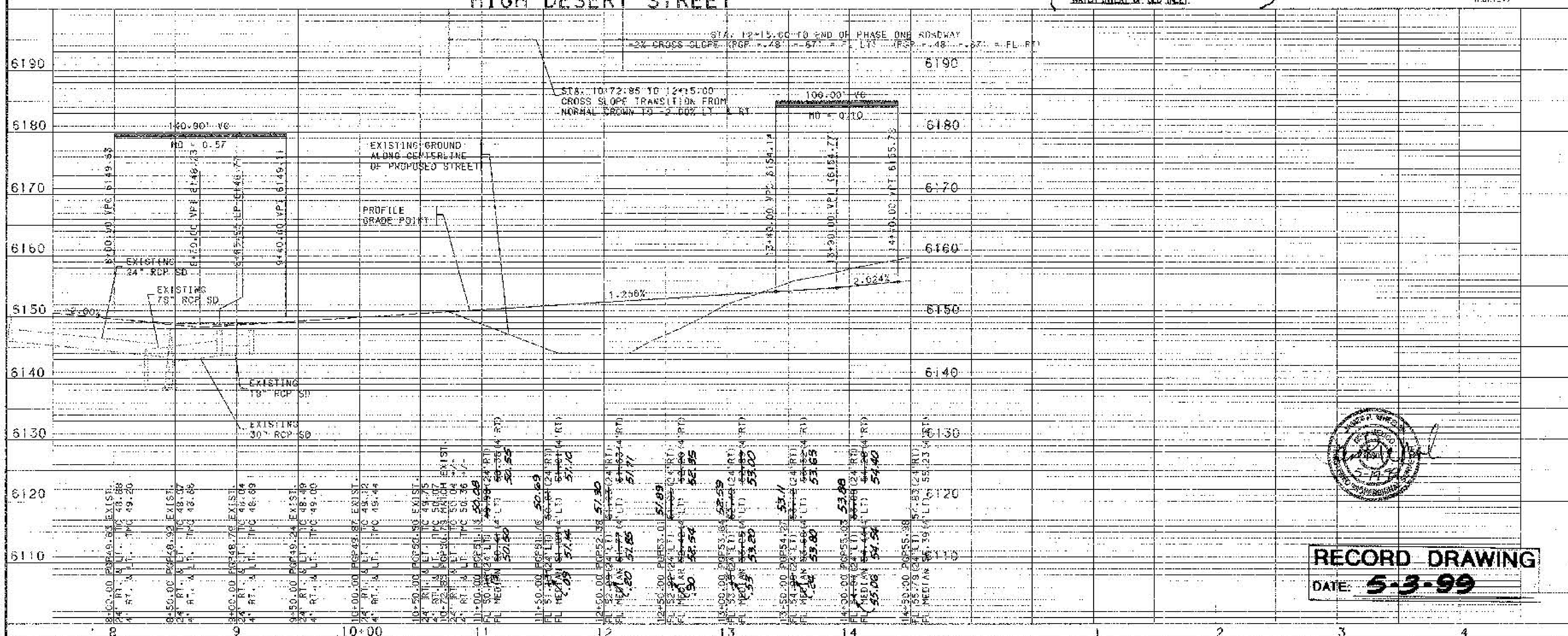
[17] STA. 7+77.13, 22'RT. & LT. TO STA. 10+72.85, 22'RT. & LT. MILL EXISTING ASPHALT SURFACE. RE-APPLY BICYCLE STRIPING AND PAVEMENT MARKINGS AS OBLITERATED. RELOCATE ANY SIGNS IF DISRUPTED.

[18] STA. 8+85.95, 24'RT. REMOVE AND DISPOSE OF EXISTING INLET. RETURN EXISTING INLET GRATE TO HIGH DESERT INVESTMENT CORP. REPLACE EXISTING INLET WITH TYPE 'D' TOP OF GRATE TO MATCH EXITING FLOWLINE ELEV. MATCH INVERT OF OLD INLET.

MEDIAN CURB DATA				
PT	TC*	FL	STATION & OFFSET	DESC.
1	49.63	49.38	7+79.14 4.00' LT.	PC
2	49.32	49.07	7+99.12 0.17' RT.	PCC
3	49.25	49.00	7+98.28 4.00' RT.	PT
4	49.04	48.79	9+66.32 4.00' RT.	PC
5	49.11	48.86	9+65.56 0.17' RT.	PCC
6	49.28	49.03	9+85.55 4.00' LT.	PT

* TC ELEVS. ARE APPROXIMATE. CONTRACTOR SHALL MATCH EXIST. TC ELEVS.





RECORD DRAWING
DATE: 5-3-99

SCALE: 1" = 30' (HORIZ.) 1" = 10' (VERT.)

USERNAME: CDP5:LC95307A2440
FILENAME: CDP5:LC95307A2440-PNP3HL-PAP.CRF

BHI JOB NO. 95237A08

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.

13. CONTRACTOR SHALL COORDINATE w/HDIC (823-9360) PRIOR TO ANY CONSTRUCTION OR REMOVALS WITHIN HIGH DESERT STREET.

KEYED GENERAL NOTES

[1] INSTALL CONCRETE VALLEY GUTTER AS PER STD. DWG. 2420 (ALT. B)

[2] INSTALL CONCRETE VALLEY GUTTER AS PER STD. DWG. 2421

[3] INSTALL WHEEL CHAIR RAMP AS PER STD. DWG. 2441, CASE I

[4] INSTALL WHEEL CHAIR RAMP AS PER ADA STANDARDS (SEE SHEET 5 OF 20)

[5] STD. CURB & GUTTER AS PER STD. DWG. 2415

[6] MOUNTABLE CURB ROLL TYPE AS PER STD. DWG. 2415

[7] MEDIAN CURB & GUTTER (MODIFIED) AS PER DETAIL SHEET 5 OF 20

[8] FUTURE 4' SIDEWALK

[9] BUILD 4' SIDEWALK

[10] 10' MEANDERING ASPHALT TRAIL TO BE BUILT IN CONJUNCTION WITH LANDSCAPING PLAN

AS-BUILT INFORMATION

MICRO-FILM INFORMATION

BENCH MARKS

FIELD NOTES

ENGINEER'S SEAL

SURVEY INFORMATION

REVISIONS

DESIGNED BY KP

DRAWN BY SAR

CHECKED BY KP

BOHANNAN-HUSTON INC.
ENGINEERS • PLANNERS • PHOTOGRAMMETRISTS • SURVEYORS • LANDSCAPE ARCHITECTS
ALBUQUERQUE LAS CRUCES SANTA FE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

THE OVERLOOK AT HIGH DESERT
PAVING PLAN & PROFILE
HIGH DESERT STREET - STA. 7+50.00 TO 14+50.00

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
571285	E-23	6	20

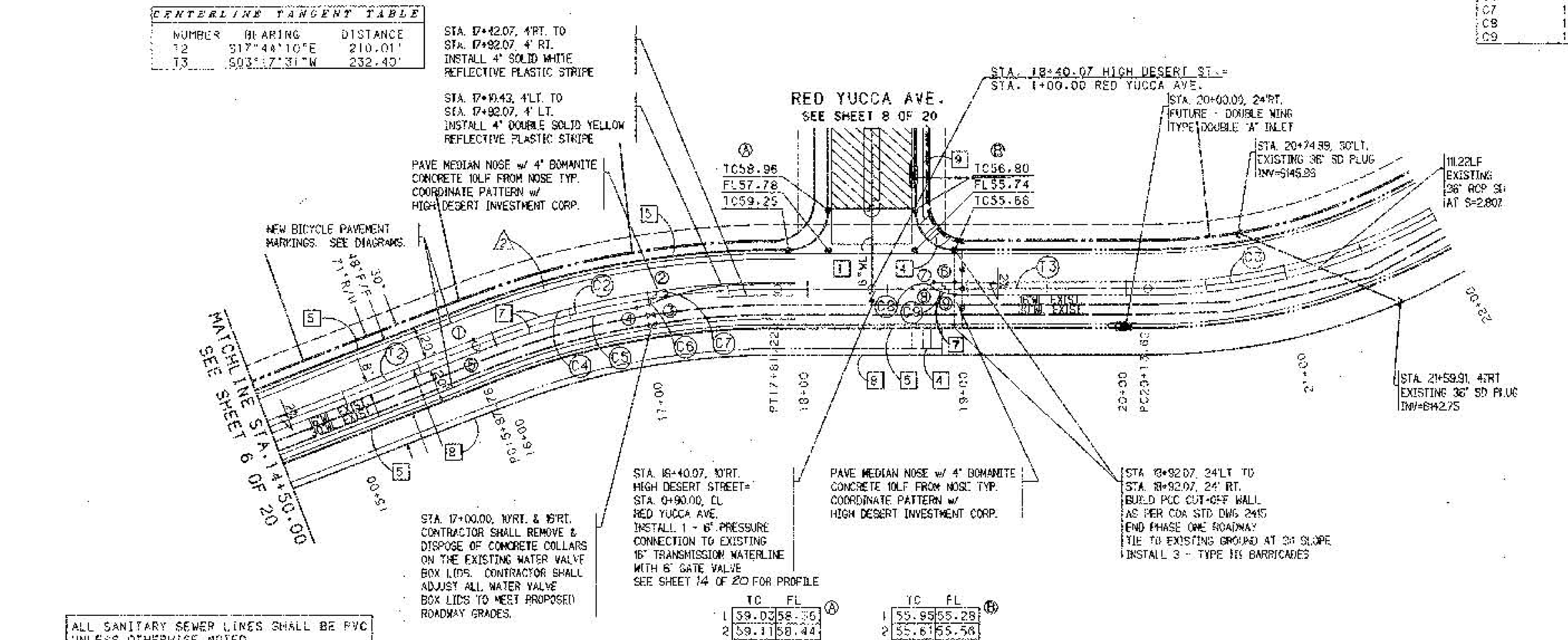
DATE: AUGUST 25, 1998

CENTERLINE CURVE DATA TABLE					
NUMBER	PI STA.	DELTA	TANGENT	ARC	RADIUS
C2	16+85.59	21° 1'41.0"	97.83'	193.46'	527.12'
C3	22+59.13	67°27'55.8"	245.52'	432.94'	367.68'

CENTERLINE TANGENT TABLE		
NUMBER	BEARING	DISTANCE
T2	S17°44'10"E	210.01'
T3	S03°17'31"W	232.40'

MEDIAN CURB CURVE DATA TABLE					
NUMBER	PI STA.	DELTA	TANGENT	ARC	RADIUS
C4	16+49.84	13°20' 2.1"	62.08'	123.60'	531.12'
C5	16+39.69	11°20'15.3"	51.93'	103.52'	523.12'
C6	17+02.05	22°34'42.6"	9.98'	19.70'	50.00'
C7	17+19.62	155°25'37.9"	9.18'	5.43'	2.00'
C8	18+87.87	156°25'38.3"	9.59'	5.46'	2.00'
C9	18+85.50	16°27' 9.8"	7.23'	14.36'	50.00'

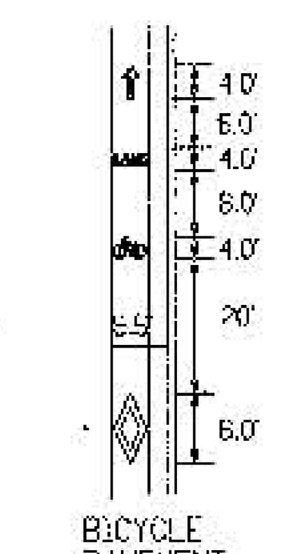
MEDIAN CURB DATA				
PT	TC	FL	STATION & OFFSET	DESC.
1	58.36	58.11	15+87.76 4.00' LT.	PC
2	59.58	59.33	17+10.43 4.00' LT.	PCC
3	59.49	59.24	17+11.27 0.18' LT.	PCC
4	59.39	59.14	16+92.07 4.00' RT.	PRC
5	58.20	57.95	15+87.76 4.00' RT.	PT
6	54.84	54.59	18+92.07 4.00' LT.	PT
7	55.21	54.96	18+79.07 4.00' LT.	PC
8	55.15	54.90	18+78.28 0.17' LT.	PCC
9	54.69	54.44	18+92.07 3.62' RT.	PCC



ALL SANITARY SEWER LINES SHALL BE PVC UNLESS OTHERWISE NOTED.
ALL WATER LINES SHALL BE PVC UNLESS OTHERWISE NOTED.
ALL STORM DRAIN LINES SHALL BE RCP UNLESS OTHERWISE NOTED.

CONTRACTOR SHALL INSTALL NEW SIGNS, SIGN POST AND BASE POST AT LOCATIONS SHOWN ABOVE.

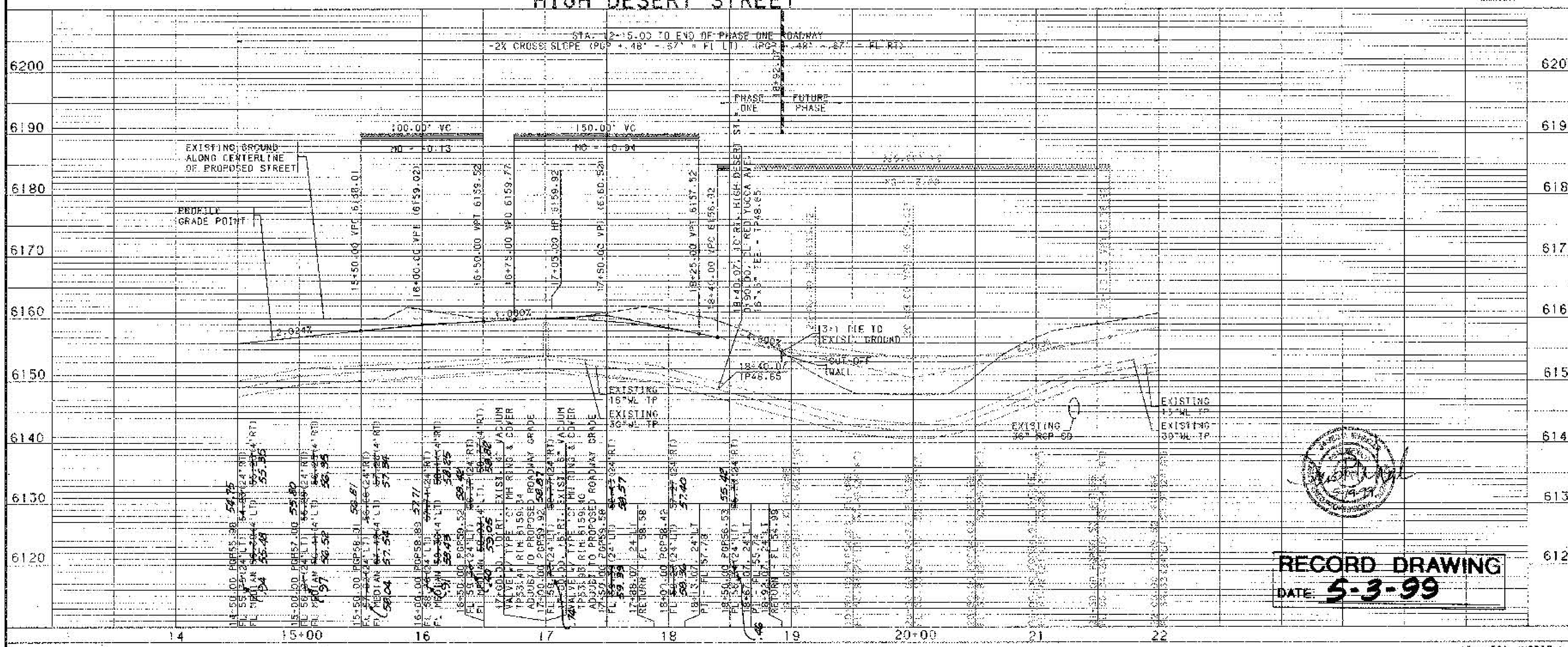
SIGN No.	SIGN TYPE
1	R3-11



BICYCLE PAVEMENT MARKING

SCALE: 1" = 50' (HORIZ.)

HIGH DESERT STREET



RECORD DRAWING
DATE: 5-3-99

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

NOTES

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12. WHEEL CHAIR RAMPS SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.
13. MEDIAN NOSES SHALL BE PAINTED REFLECTIVE YELLOW

KEYED GENERAL NOTES

1. INSTALL CONCRETE VALLEY GUTTER AS PER STD. DWG. 2420 (ALT. B)
2. INSTALL CONCRETE VALLEY GUTTER AS PER STD. DWG. 2421
3. INSTALL WHEEL CHAIR RAMP AS PER STD. DWG. 2441, CASE I
4. INSTALL WHEEL CHAIR RAMP AS PER ADA STANDARDS (SEE SHEET 5 OF 20)
5. STD. CURB & GUTTER AS PER STD. DWG. 2415
6. MOUNTABLE CURB ROLL TYPE AS PER STD. DWG. 2415
7. MEDIAN CURB & GUTTER (MODIFIED) AS PER DETAIL SHEET 5 OF 20
8. FUTURE 4' SIDEWALK
9. BUILD 4' SIDEWALK
10. 10' MEANDERING ASPHALT TRAIL TO BE BUILT IN CONJUNCTION WITH LANDSCAPING PLAN

AS-BUILT INFORMATION
CONTRACTOR Universal 5/99
STAKED BY BH
INSPECTOR'S ACCEPTANCE BY BH DATE 5/99
FIELD VERIFICATION BY BH DATE 5/99
DRAWINGS CORRECTED BY BH DATE 5/99
MICRO-FILM INFORMATION
RECORDED BY / NO. / DATE

BENCH MARKS
STATION IS A STANDARD UNCCOABS BRASS TOP GEOLOGICAL SURVEY BENCH MARK, TABLET STAMPED "TUMBLE 1969" SET IN CONCRETE PROJECTING 0.2FT ABOVE GROUND. LOCATED 489 FEET WEST OF THE INTERSECTION OF SAN ANTONIO DRIVE AND TENNYSON STREET, AND 35 FEET NORTH OF RIGHT-OF-WAY LINE OF SAN ANTONIO DR. ELEV.=6009.155

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
KEVIN G. PATTON 8/26/98

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY KP, TG DATE 8/98
DRAWN BY DAR DATE 8/98
CHECKED BY KP

BOHANNAN-HUSTON INC.
ENGINEERS • PLANNERS • PHOTOGRAMMETRISTS • SURVEYORS • LANDSCAPE ARCHITECTS
ALBUQUERQUE LAS CRUCES SANTA FE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

THE OVERLOOK AT HIGH DESERT
PAVING PLAN & PROFILE
HIGH DESERT STREET - STA. 14+50.00 TO 22+00.00

DESIGN REVIEW COMMITTEE | CITY ENGINEER APPROVAL | MO./DAY/YR. | MO./DAY/YR.
LAST DESIGN UPDATE

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
571285	E-23	7	20

BHI JOB NO. 99237A08

DATE: AUGUST 25, 1998

USERNAME: COE:\CE09307A2440
FILENAME: COE:\CE09307A2440-HP3H02-PNP.GRF

MEDIAN CURB DATA					
	PI	TC	FL	STATION & OFFSET	DESC.
57.50	1	57.70	~~57.45~~	1+50.00 5.00' LT.	RET
57.17	2	57.30	~~57.05~~	1+50.00 5.00' RT.	RET
59.37	3	59.38	~~59.13~~	2+60.00 5.00' LT.	STA
59.01	4	59.06	~~58.81~~	2+00.00 5.00' RT.	STA
60.96	5	61.06	~~60.81~~	5.00 5.00' LT.	STA
60.73	6	60.82	~~60.58~~	5.00 5.00' RT.	STA
61.67	7	61.68	~~61.43~~	2+74.04 5.00' LT.	RET
61.61	8	61.68	~~61.43~~	2+74.04 5.00' RT.	RET

STA. 1+50.00 RED YUCCA AVE.=
STA. 18+40.07 HIGH DESERT ST.

STA. 1+26.00 15.00' LT TO STA. 2+16.66, 16.00' LT
INSTALL 1 - 4" SOLID WHITE REFLECTIVE PLASTIC STRIPE

PAVE MEDIAN NOSE w/ 4" BOMANITE CONCRETE IDLF FROM NOSE TYP. COORDINATE PATTERN w/ HIGH DESERT INVESTMENT CORP.

STA. 1+50.00 TO 2+80.00 CROSS SLOPE TRANSITION FROM -4.00% TO -2.00% LT. & RT.

STA. 3+13.40 RED YUCCA AVE.=
STA. 1+00.00 COPPER ROSE ST.=
STA. 1+00.00 OSAGE ORANGE RD.

STA. 5+54.48 RED YUCCA AVE.=
STA. 1+00.00 CLUB CHOLLA CT.

STA. 11+52.78 RED YUCCA AVE.=
STA. 15+55.39 PAPER FLOWER PL.

STA. 8+75.00 TO PI STAS. CROSS SLOPE TRANSITION FROM FLAT TO MATCH GRADES

STA. 8+50.00 TO 9+00.00 CROSS SLOPE TRANSITION FROM -2.00 TO FLAT LT. & RT

STA. 5+17.34, 14'RT = CL OF PRIVATE DRIVEWAY. CONTRACTOR SHALL CONSTRUCT DRIVEWAY AS PER COA STD DWG 2426. CONTRACTOR SHALL COORDINATE DRIVEWAY SLOPE AND CONCRETE COLOR w/ HIGH DESERT INVESTMENT CORP. PRIOR TO CONSTRUCTION. NOMINAL WIDTH = 16'

STA. 6+89.03, 14'RT = CL OF PRIVATE DRIVEWAY. CONTRACTOR SHALL CONSTRUCT DRIVEWAY AS PER COA STD DWG 2426. CONTRACTOR SHALL COORDINATE DRIVEWAY SLOPE AND CONCRETE COLOR w/ HIGH DESERT INVESTMENT CORP. PRIOR TO CONSTRUCTION. NOMINAL WIDTH = 24'

NOTE: FROM DRIVEWAY RETURN POINTS 10, 11, 14, & 15 BUILD 10' TRANSITION FROM STD. CURB TO NO CURB ALONG DRIVEWAY EDGE

CENTERLINE CURVE DATA TABLE				
NUMBER	PI STA.	DELTA	TANGENT	ARC	RADIUS
C1	3+64.48	16°49' 3.7"	147.82'	293.52'	1000.00'
C2	6+26.86	15° 5' 8.9"	66.21'	131.65'	500.00'
C3	8+48.46	45°56'45.9"	76.31'	144.34'	180.00'
C4	2+72.84	2°17'18.2"	3.00'	5.99'	150.00'
C5	2+79.37	16°20' 3.0"	13.56'	27.05'	150.00'
C6	3+98.56	10°26'46.4"	13.71'	27.35'	150.00'
C7	3+97.84	2°33'22.7"	3.36'	6.69'	150.00'
C4	2+69.84, 25'LT=PRC LIP GUTTER				
	2+75.98, 24.86'LT=PT				
C5	2+65.81, 25'RT=PCC LIP GUTTER				
	2+92.12, 22.92'RT=PT				
C6	3+84.85, 16.11'LT=PC FACE CURB				
	4+12.50, 14'LT=PCC END TRANS				
C7	3+94.59, 14.17'RT=PC FACE CURB				
	4+02.19, 14'RT=PRC END TRANS				

CENTERLINE TANGENT TABLE		
NUMBER	BEARING	DISTANCE
T1	S86°42'29"E	116.66'
T2	N76°26'27"E	50.47'
T3	S88°26'24"E	79.86'
T4	N43°50'37"E	24.28'

DRIVEWAY RETURN CURB DATA					
PT	TC	FL	STATION & OFFSET		DESC.
9	74.18	73.49	4+94.08	14.00' RT.	PCC
		74.42	5+09.35	14.00' RT.	PT
*0	75.60	74.93	5+08.54	29.58' RT.	PI
*1	76.28	75.61	5+24.67	28.29' RT.	PC
		75.40	5+25.35	14.00' RT.	PT
12	76.94	76.27	5+39.66	14.00' RT.	PT
*3	84.84	83.97	6+72.61	14.00' RT.	PCC
		84.70	6+85.57	14.00' RT.	PT
14	85.50	84.83	6+88.20	26.14' RT.	PI
15	86.78	86.11	7+14.31	32.21' RT.	PC
		86.09	7+10.32	14.00' RT.	PT
16	87.77	87.10	7+28.96	14.00' RT.	PT

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.
13. MEDIAN NOSES SHALL BE PAINTED REFLECTIVE YELLOW

KEYED GENERAL NOTES

1. INSTALL CONCRETE VALLEY GUTTER AS PER STD. DWG. 2420 (ALT. B)
2. INSTALL CONCRETE VALLEY GUTTER AS PER STD. DWG. 2421
3. INSTALL WHEEL CHAIR RAMP AS PER STD. DWG. 2441, CASE I
4. INSTALL WHEEL CHAIR RAMP AS PER ADA STANDARDS
5. STD. CURB & GUTTER AS PER STD. DWG. 2415
6. MOUNTABLE CURB ROLL TYPE AS PER STD. DWG. 2415
7. MEDIAN CURB & GUTTER AS PER STD. DWG. 2415
8. FUTURE 4' SIDEWALK
9. BUILD 4' SIDEWALK
10. 10' MEANDERING ASPHALT TRAIL TO BE BUILT IN CONJUNCTION WITH LANDSCAPING PLAN

AS-BUILT INFORMATION	
CONTRACTOR	Lorenzo
WORK INSPECTED BY	BH DATE 5/99
FINAL ACCEPTANCE BY	BH DATE 5/99
VERIFICATION BY	BH DATE 5/99
DRAWINGS CORRECTED BY	BH DATE 5/99
MICRO-FILM INFORMATION	
RECORDED BY	DATE
NO.	

BENCH MARKS	
STATION IS A STANDARD USCG&GS BRASS	
GEOLOGICAL SURVEY BENCH MARK, TOP	
TABLET STAMPED "TUMBLE 1969" SET	
IN CONCRETE PROJECTING 0.2FT ABOVE	
GROUND, LOCATED 489 FEET WEST OF	
THE INTERSECTION OF SAN ANTONIO	
DRIVE AND TENNYSON STREET, AND 35	
FEET NORTH OF RIGHT-OF-WAY LINE	
OF SAN ANTONIO DR. ELEV.=6009.155	

SURVEY INFORMATION		
FIELD NOTES		
NO.	BY	DATE

ENGINEER'S SEAL
REGISTERED PROFESSIONAL ENGINEER KEITH G. PATTON NEW MEXICO 9698
8/24/98

REVISIONS		
NO.	DATE	REMARKS
		DESIGN
DESIGNED BY	KP, TG	DATE 8/98
DRAWN BY	SAR	DATE 8/98
CHECKED BY	MP	DATE 8/98

RECORD DRAWING
DATE 5-3-99

BOHANNAN-HUSTON INC.
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ALBUQUERQUE LAS CRUCES SANTA FE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

THE OVERLOOK AT HIGH DESERT
PAVING PLAN & PROFILE
RED YUCCA AVENUE

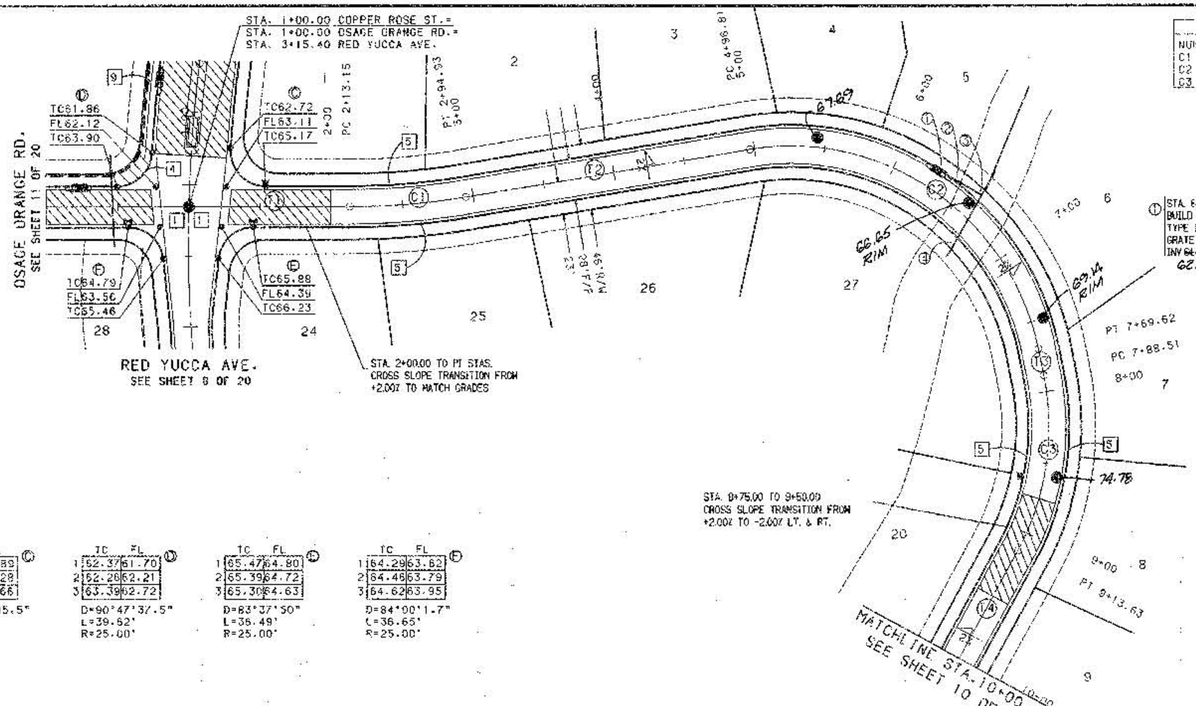
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	NO./DAY/YR.	MO./DAY/YR.

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
571285	E-23	8	20

BHE JOB NO. 98237A00

DATE: AUGUST 25, 1998

USERNAME: COPS\CC95307A34403
FILENAME: COP5\CC95307A2440.PNP\YUCCA-PNP.SHF



CENTERLINE CURVE DATA TABLE					
NUMBER	PI STA.	DELTA	TANGENT	ARC	RADIUS
C1	2+54.13	9°22'14.9"	40.98'	81.78'	500.00'
C2	6+68.14	87°48'43.3"	171.33'	272.80'	178.00'
C3	8+53.78	40°16'29.1"	65.27'	125.12'	178.00'

CENTERLINE TANGENT TABLE		
NUMBER	BEARING	DISTANCE
T1	N03°50'16"W	113.15'
T2	S13°12'31"E	201.89'
T3	S24°36'20"W	18.89'
T4	N65°08'16"W	348.54'

	TC	FL
1	61.38	63.89
2	63.95	63.28
3	63.33	62.66

D=93°54'45.5"
L=40.98'
R=25.00'

	TC	FL
1	62.37	61.70
2	62.26	62.21
3	63.39	62.72

D=90°47'37.5"
L=39.62'
R=25.00'

	TC	FL
1	65.47	64.80
2	65.39	64.72
3	65.30	64.63

D=83°37'50"
L=36.49'
R=25.00'

	TC	FL
1	64.29	63.62
2	64.46	63.79
3	64.62	63.95

D=84°00'1.7"
L=36.65'
R=25.00'

① STA. 6+28.93, RT/LT.
BUILD 1 - DOUBLE WING
TYPE DOUBLE "A" INLET
GRATE 66.25 TC66.90
INV 64.23

② 34.78LF
24" RCP SD
AT S=4.58%
(32.78LF)

③ STA. 6+59.75, 19.08LT.
BUILD 1 -
24"x24" RCP TEE
INV 59.73

④ 69.96LF
24" RCP SD AT S=4.86%
8+73.78, 29.91RT. INV.62.28 .41
8+56.11, 37.77LT. INV.58.89 .76
BUILD RCP FLARED END SECTION
BOTH ENDS AS PER
MANUFACTURERS SPEC.

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.

KEYED GENERAL NOTES

1. INSTALL CONCRETE VALLEY GUTTER AS PER STD. DWG. 2420 (ALT. B)
2. INSTALL CONCRETE VALLEY GUTTER AS PER STD. DWG. 2421
3. INSTALL WHEEL CHAIR RAMP AS PER STD. DWG. 2441, CASE I
4. INSTALL WHEEL CHAIR RAMP AS PER ADA STANDARDS (SEE SHEET 5 OF 20)
5. STD. CURB & GUTTER AS PER STD. DWG. 2415
6. MOUNTABLE CURB ROLL TYPE AS PER STD. DWG. 2415
7. MEDIAN CURB & GUTTER AS PER STD. DWG. 2415
8. FUTURE 4' SIDEWALK
9. BUILD 4' SIDEWALK
10. 10' MEANDERING ASPHALT TRAIL TO BE BUILT IN CONJUNCTION WITH LANDSCAPING PLAN

AS-BUILT INFORMATION
CONTRACTOR: Universal
DATE: 5/99

BENCH MARKS
STATION 15 A STANDARD USCG&GS BRASS DISK, STAMPED BM 3
ACCEPTANCE BY: BM DATE: 5/99
GEOLOGICAL SURVEY BENCH MARK, TOP OF TABLET STAMPED "TUMBLE 1969" SET IN CONCRETE PROJECTING 0.2FT ABOVE GROUND, LOCATED 489 FEET WEST OF THE INTERSECTION OF SAN ANTONIO DRIVE AND TENNYSON STREET, AND 55 FEET NORTH OF RIGHT-OF-WAY LINE OF SAN ANTONIO DR. ELEV.=6009.155
FIELD LOCATION BY: BM DATE: 5/99
DRAWINGS CORRECTED BY: BM DATE: 5/99

MICRO-FILM INFORMATION
RECORDED BY
DATE
NO.

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
KEVIN G. PATTON
NEW MEXICO
13264
REGISTERED PROFESSIONAL ENGINEER
8/24/98

NO.	DATE	REMARKS	BY
	8/98	DESIGN	KP, TC
	8/98	DRAWN BY	SAR
	8/98	CHECKED BY	KP

RECORD DRAWING
DATE: 5-3-99

BOHANNAN-HUSTON INC.
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ALBUQUERQUE LAS CRUCES SANTA FE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

THE OVERLOOK AT HIGH DESERT
PAVING PLAN & PROFILE
COPPER ROSE STREET

DESIGN REVIEW COMMITTEE | CITY ENGINEER APPROVAL | LAST DESIGN UPDATE | MO./DAY/YR. | MO./DAY/YR.

CITY PROJECT NO: 571285
ZONE MAP NO: E-23
SHEET 9 OF 20

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

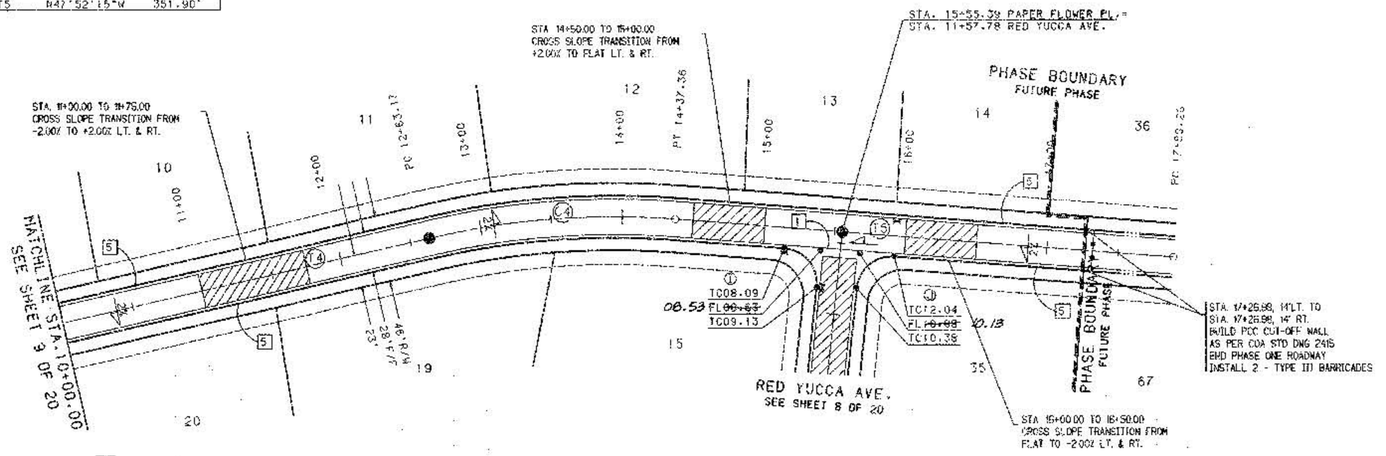
841 JOB NO. 8823/A08

DATE: AUGUST 25, 1998

USERNAME: COPS<[C09307A244D]
FILENAME: COPS<[C09307A244D.PMP]COPPER-PMP.GRF

CENTERLINE CURVE DATA TABLE					
NUMBER	PI STA.	DELTA	TANGENT	ARC	RADIUS
C4	13+50.93	17°16'9.2"	87.76'	174.10'	578.00'

CENTERLINE TANGENT TABLE			
NUMBER	BEARING	DISTANCE
T4	N55°08'16"W	349.54'
T5	N42°52'15"W	351.90'



TC	FL
1 08.35	07.68
2 08.61	07.94
3 08.87	08.20

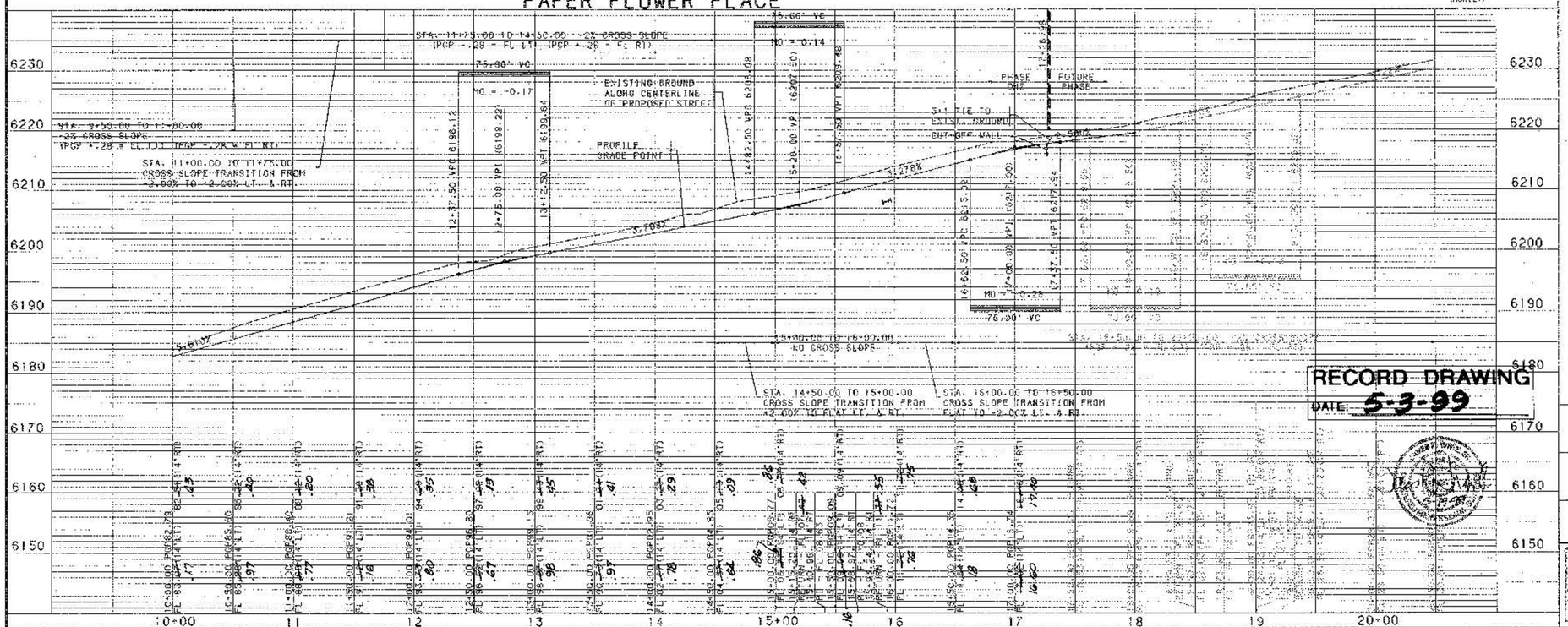
D=91°42'32.6"
L=40.02'
R=25.00'

TC	FL
1 10.80	10.13
2 11.21	10.54
3 11.65	10.98

D=88°17'27.5"
L=38.53'
R=25.00'

SCALE: 1" = 50' (HORIZ.)

PAPER FLOWER PLACE



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

BHI JOB NO. 9823708

USERNAME: CDPS+CE95307A2440
FILENAME: CD95+CE95307A2440.PNP PAPER-PND.GRF

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.
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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.

KEYED GENERAL NOTES

1. INSTALL CONCRETE VALLEY GUTTER AS PER STD. DWG. 2420 (ALT. B)
2. INSTALL CONCRETE VALLEY GUTTER AS PER STD. DWG. 2421
3. INSTALL WHEEL CHAIR RAMP AS PER STD. DWG. 2441, CASE I
4. INSTALL WHEEL CHAIR RAMP AS PER ADA STANDARDS (SEE SHEET 5 OF 20)
5. STD. CURB & GUTTER AS PER STD. DWG. 2415
6. MOUNTABLE CURB ROLL TYPE AS PER STD. DWG. 2415
7. MEDIAN CURB & GUTTER AS PER STD. DWG. 2415
8. FUTURE 4' SIDEWALK
9. BUILD 4' SIDEWALK
10. 10' MEANDERING ASPHALT TRAIL TO BE BUILT IN CONJUNCTION WITH LANDSCAPING PLAN

RECORD DRAWING
DATE: 5-3-99

AS-BUILT INFORMATION
CONTRACTOR: Universal
WORK STAKED BY: SAV — DATE: 5/99
ACCEPTANCE BY: BH — DATE: 5/99
FIELD VERIFICATION BY: BH — DATE: 5/99
DRAWINGS CORRECTED BY: SAV — DATE: 5/99
MICRO-FILM INFORMATION
RECORDED BY:
DATE
MD.
OF SAN ANTONIO DR., ELEV.=6009.155

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS
STATION 13 IS A STANDARD BRASS
GEOLOGICAL SURVEY BENCH MARK, TOP
TABLET STAMPED "TUMBLE 1969" SET
IN CONCRETE PROJECTING 0.2FT ABOVE
GROUND, LOCATED 489 FEET WEST OF
THE INTERSECTION OF SAN ANTONIO
DRIVE AND TENNYSON STREET, AND 35
FEET NORTH OF RIGHT-OF-WAY LINE

ENGINEER'S SEAL
KENNETH G. PATTON, NEW MEXICO, 12185, REGISTERED PROFESSIONAL ENGINEER
8/24/98

NO.	DATE	REMARKS
		REVISIONS

DESIGNED BY: MP, TG — DATE 8/98
DRAWN BY: SAR — DATE 8/98
CHECKED BY: MP — DATE 8/98

BOHANNAN-HUSTON INC.
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ALBUQUERQUE LAS CRUCES SANTA FE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

THE OVERLOOK AT HIGH DESERT
PAVING PLAN & PROFILE
PAPER FLOWER PLACE

DESIGN REVIEW COMPLETED	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO/DAY/YR	MO/DAY/YR

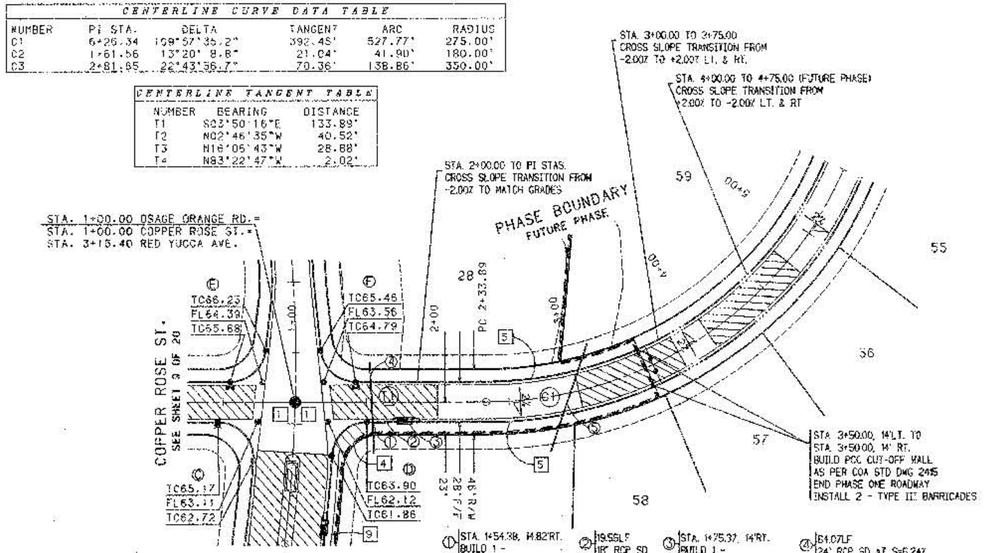
CITY PROJECT NO. 571285
ZONE MAP NO. E-23
SHEET 10 OF 20

DATE: AUGUST 25, 1998

CENTERLINE CURVE DATA TABLE					
NUMBER	PI STA.	DELTA	TANGENT	ARC	RADIUS
C1	6+26.34	108°57'35.2"	392.45'	527.77'	275.00'
C2	1+61.56	13°20' 8.8"	21.04'	41.90'	180.00'
C3	2+81.95	22°43'36.7"	70.36'	138.86'	350.00'

CENTERLINE TANGENT TABLE		
NUMBER	BEARING	DISTANCE
T1	S03°50'16"E	133.89'
T2	N02°46'35"W	40.52'
T3	N16°05'43"W	28.88'
T4	N83°22'47"W	2.02'

CUL-DE-SAC CURB DATA			
PT	TC	STATION & OFFSET	DELTA
1	88.57	3+24.72, 21.28'LT.	34°47'26"
2	88.73	3+41.54, 31.81'LT.	34°47'26"
3	88.93	3+60.73, 31.21'LT.	34°47'26"
4	89.09	3+76.99, 19.65'LT.	34°47'26"
5	89.17	3+85.16, 0.48'LT.	34°47'26"
6	89.13	3+81.14, 20.08'RT.	34°47'26"
7	88.96	3+64.47, 34.28'RT.	34°47'26"
8	88.73	3+41.28, 36.00'RT.	34°47'26"
9	88.54	3+22.19, 24.42'RT.	34°47'26"
R=35.00', L=21.25' (BETWEEN POINTS)			



① STA. 1+54.38, 14.82'RT.
BUILD 1 -
24"x18" RCP TEE
INV(24")58.12 INV(18")58.37

② 19.5SLF
18" RCP SD
AT S=.854%
(17.56LF)

③ STA. 1+75.37, 14'RT.
BUILD 1 -
TYPE DOUBLE "A" INLET
GRATE 63.87 TC64.54
INV.59.87

④ 61.07LF
24" RCP SD AT S=0.24%
1+52.37, 28'LT. INV.60.60
1+55.37, 36'RT. INV.58.80
BUILD RCP FLARED END SECTION
BOTH ENDS AS PER MANUFACTURERS SPEC.

⑤ 79.97LF
24" RCP SD AT S=5.00%
3+15.12, 30.47'LT. INV.62.00
2+74.15, 36.08'RT. INV.58.00
BUILD RCP FLARED END SECTION
BOTH ENDS AS PER MANUFACTURERS SPEC.

Ⓒ	TC	FL
1	64.56	63.89
2	63.95	63.28
3	63.33	62.66

D=93°54'45.5"
L=40.98'
R=25.00'

Ⓓ	TC	FL
1	62.37	61.70
2	62.26	62.21
3	63.39	62.72

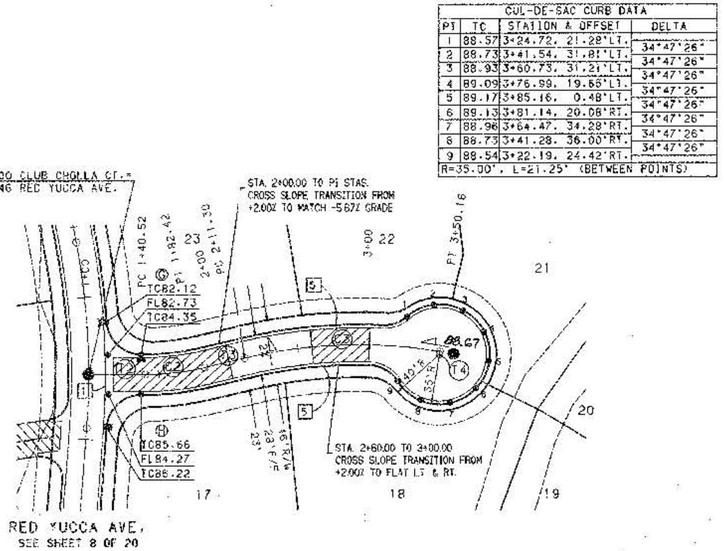
D=90°47'37.5"
L=39.62'
R=25.00'

Ⓔ	TC	FL
1	65.47	64.80
2	65.39	64.72
3	65.30	64.63

D=83°37'50"
L=36.49'
R=25.00'

Ⓕ	TC	FL
1	64.29	63.62
2	64.46	63.79
3	64.62	63.95

D=84°00'11.7"
L=36.65'
R=25.00'



Ⓖ	TC	FL
1	83.79	83.12
2	83.24	82.57
3	82.68	82.01

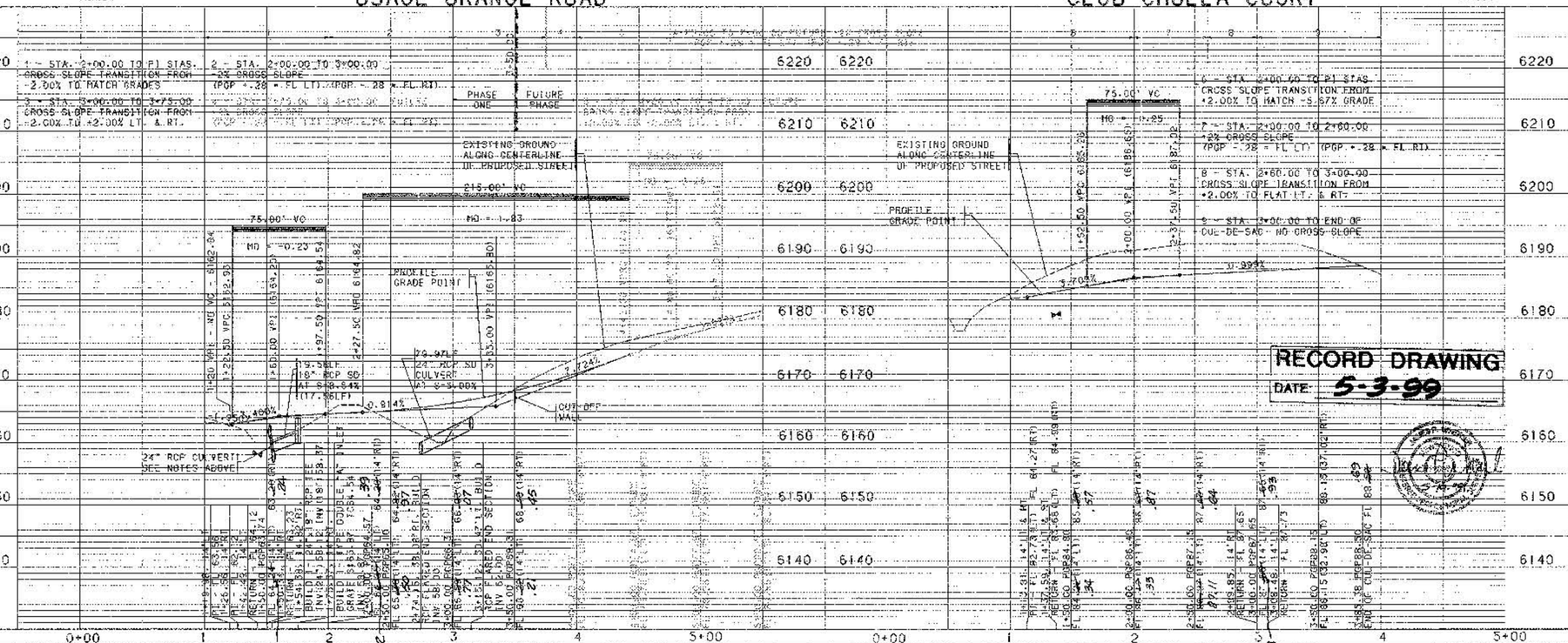
D=85°51'2.4"
L=37.46'
R=25.00'

Ⓗ	TC	FL
1	86.08	85.41
2	85.94	85.27
3	85.80	85.13

D=85°39'49.1"
L=37.38'
R=25.00'

OSAGE ORANGE ROAD

CLUB CHOLLA COURT



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

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.
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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.

KEYED GENERAL NOTES :

1. INSTALL CONCRETE VALLEY GUTTER AS PER STD. DWG. 2420 (ALT. B)
2. INSTALL CONCRETE VALLEY GUTTER AS PER STD. DWG. 2421
3. INSTALL WHEEL CHAIR RAMP AS PER STD. DWG. 2441, CASE I
4. INSTALL WHEEL CHAIR RAMP AS PER ADA STANDARDS (SEE SHEET 5 OF 20)
5. STD. CURB & GUTTER AS PER STD. DWG. 2415
6. MOUNTABLE CURB ROLL TYPE AS PER STD. DWG. 2415
7. MEDIAN CURB & GUTTER AS PER STD. DWG. 2415
8. FUTURE 4' SIDEWALK
9. BUILD 4' SIDEWALK
10. 10' MEANDERING ASPHALT TRAIL TO BE BUILT IN CONJUNCTION WITH LANDSCAPING PLAN

SEAL

SURVEY INFORMATION — AS-BUILT INFORMATION

FIELD NOTES — BENCH MARKS

NO.	BY	DATE

STATION 13 IS A STANDARD USCGS BRASS TABLET STAMPED "TUMBLE 1969" SET IN CONCRETE PROJECTING 0.2FT ABOVE GROUND, LOCATED 489 FEET WEST OF THE INTERSECTION OF SAN ANTONIO DRIVE AND TENNYSON STREET, AND 35 FEET NORTH OF RIGHT-OF-WAY LINE OF SAN ANTONIO DR. ELEV.=6009.155

CONTRACTOR: Universal — DATE: 5/99
STAKED BY: BH — DATE: 5/99
FIELD VERIFICATION BY: BH — DATE: 5/99
ACCEPTANCE BY: BH — DATE: 5/99
DRAWINGS CORRECTED BY: BH — DATE: 5/99

MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

ENGINEER'S SEAL
KENNETH G. PATTON — NEW MEXICO — REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY KP, TC — DATE 8/98
DRAWN BY SAR — DATE 8/98
CHECKED BY KP — DATE 8/98

RECORD DRAWING
DATE: 5-3-99

BOHANNAN-HUSTON INC.
ENGINEERS • PLANNERS • PHOTOGRAMMETRISTS • SURVEYORS • LANDSCAPE ARCHITECTS
ALBUQUERQUE LAS CRUCES SANTA FE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

THE OVERLOOK AT HIGH DESERT
PAVING PLAN & PROFILE
OSAGE ORANGE ROAD - CLUB CHOLLA COURT

DESIGN REVIEW COMMITTEE — CITY ENGINEER APPROVAL — LAST DESIGN UPDATE — MO./DAY/YR. — MO. DAY/YR.

CITY PROJECT NO. 571285 — ZONE MAP NO. E-23 — SHEET 11 OF 20

USERNAME: CDPS\EC95307A2440
FILENAME: CDPS\EC95307A2440.PNP\30SAGE-CHOLLA-PNP.DRF

BHI JOB NO. 99237A08

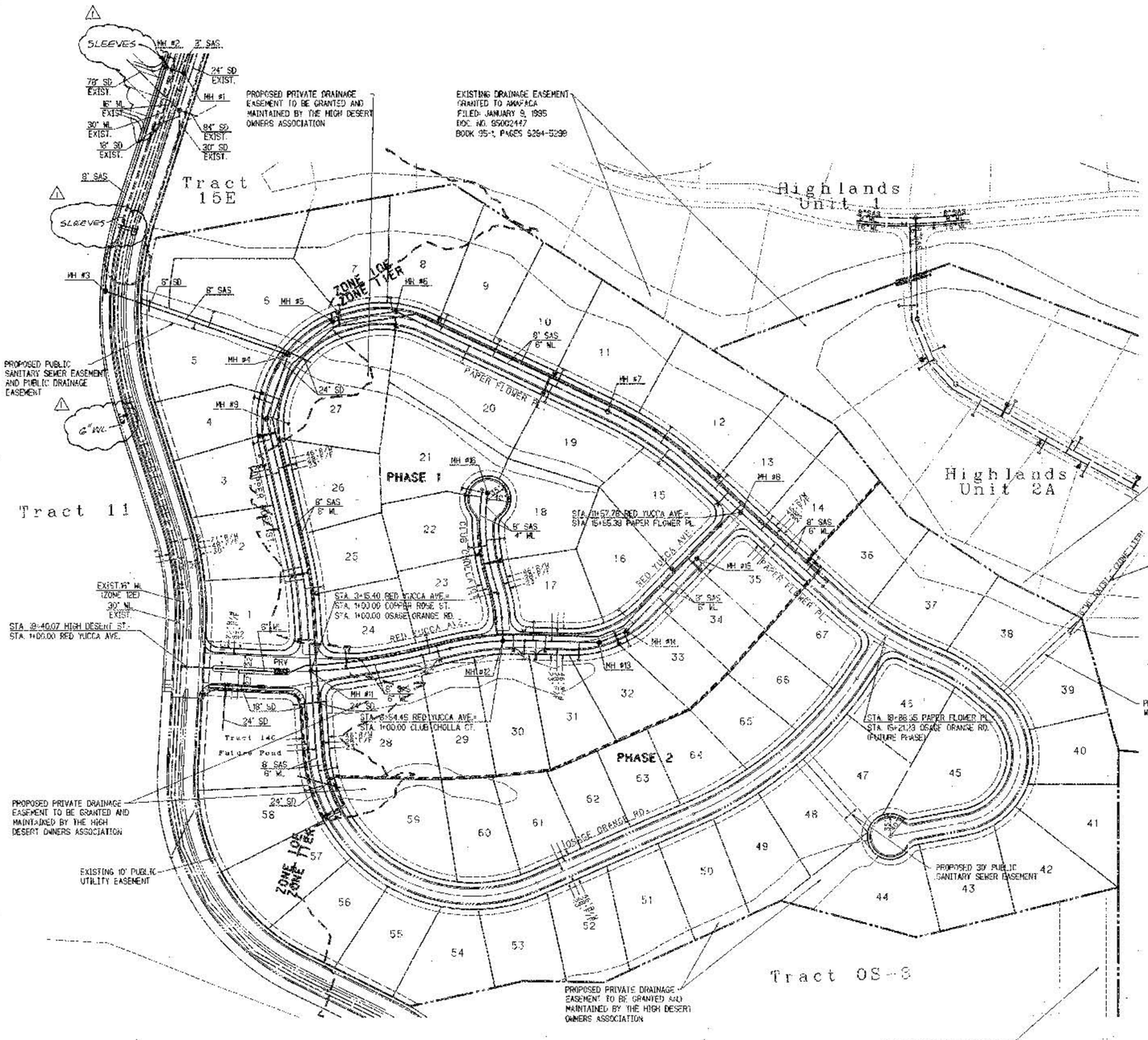
DATE: AUGUST 25, 1998

N

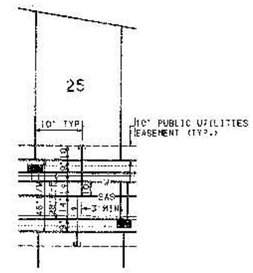
100 50 0 100

SCALE: 1" = 100'

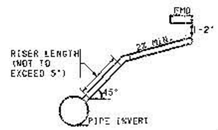
NOTE
CONTRACTOR SHALL INSTALL A SMOOTH WIRE FENCE 5' BEYOND GRADING LIMITS TO CONFINE ITS WORK WITHIN THE CONSTRUCTION LIMITS. TO MINIMIZE THE DISTURBANCE TO THE EXISTING VEGETATION, THE CONTRACTOR SHALL CONFINE WORK WITHIN LIMITS OF FENCING.



WATER SHUT-OFF REQUIREMENTS:
NO WATER SHUT-OFF PLAN IS NECESSARY DUE TO THE PRESSURE CONNECTION TO THE EXISTING 16" WATERLINE IN HIGH DESERT STREET.



TYPICAL UTILITY SERVICE LOCATION
NO SCALE



SERVICE RISER DETAIL
(SERVICE CONNECTION & INSTALLATION TO CONFORM TO COA STD. DWG. 2124. USE CI SOIL PIPE CHLR) NOTE: LOTS 25 & 26 SHALL HAVE 5' VERTICAL RISERS

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	SD
PROPOSED STORM DRAIN MANHOLE	
PROPOSED STORM DRAIN INLET	
EXISTING STORM DRAIN LINE	SD
EXISTING STORM DRAIN MANHOLE	
EXISTING STORM DRAIN INLET	
TRANSITION AREA	
PROPOSED CONDUIT PIPE	
EXISTING CONDUIT PIPE	
PROPOSED STREET LIGHT	
PROPOSED RETAINING WALL	
PHASE BOUNDARY	
PRESSURE ZONE BOUNDARY	

SEAL SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS
STATION 15 A STANDARD DCC & GS BRASS
GEOLOGICAL SURVEY BENCH MARK: TOP TABLET STAMPED "TOWNLE 1959" SET IN CONCRETE PROJECTING 0.2 FEET ABOVE GROUND. LOCATED 489 FEET WEST OF THE INTERSECTION OF SAN ANTONIO DRIVE AND TENNYSON STREET, AND 35 FEET NORTH OF RIGHT-OF-WAY LINE OF SAN ANTONIO DR. ELEV.=5009.155

AS-BUILT INFORMATIO
CONTRACTOR Universal
SUPERVISED BY BH DATE 5/99
SUPERVISOR'S ACCEPTANCE BY BH DATE 5/99
FIELD LOCATION BY BH DATE 5/99
DRAWING CHECKED BY BH DATE 5/99
MICRO-FILM INFORMATION
REC'D
DATE
NO.

ENGINEER'S SEAL
REGISTERED PROFESSIONAL ENGINEER
STATE OF NEW MEXICO
RENE G. PATTON
8/24/98

NO.	DATE	REVISIONS	BY
1	4-28-99	ADDED WL & LANDSCAPE SLEEVES	KAP

DESIGNED BY JP, TC DATE 8/98
DRAWN BY SAR DATE 8/98
CHECKED BY GP DATE 8/98

BOHANNAN-HUSTON INC.
ENGINEERS • PLANNERS • PHOTOGRAMMETRISTS • SURVEYORS • LANDSCAPE ARCHITECTS
ALBUQUERQUE LAS CRUCES SANTA FE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

THE OVERLOOK AT HIGH DESERT
MASTER UTILITY PLAN

DESIGN REVIEW COMMITTEE	APPROVAL DATE	LAST DESIGN UPDATE	MO/DAY/YR	MO/DAY/YR
DESIGN REVIEW COMMITTEE				

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
571285	E-23	12	20

RECORD DRAWING
DATE: 5-3-99

BHI JOB NO. 99237A08

USERNAME: COPS*JCOX3367A2440.PA: 3*4A-OVERALL-.PIL.DRF

DATE: AUGUST 25, 1998

SAS CURVE DATA TABLE

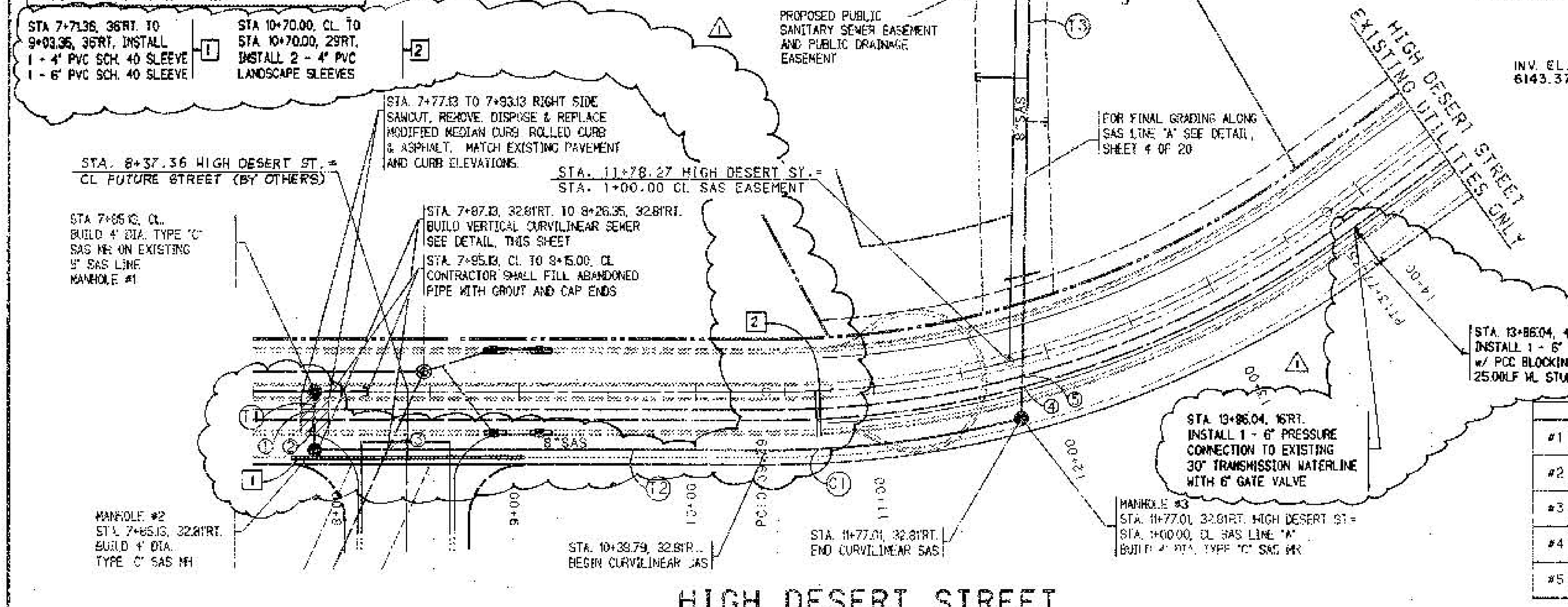
NUMBER	PI STA.	DELTA	TANGENT	ARC	RADIUS
C1	11+12.96	14°33'12.4"	73.17'	145.56'	573.05'

SAS TANGENT TABLE

NUMBER	BEARING	DISTANCE
T1	N71°53'35"W	32.9'
T2	N18°06'25"E	254.66'
T3	N70°54'09"W	336.80'

ALL SANITARY SEWER LINES SHALL BE PVC UNLESS OTHERWISE NOTED.
ALL WATER LINES SHALL BE PVC UNLESS OTHERWISE NOTED.
ALL STORM DRAIN LINES SHALL BE RCP UNLESS OTHERWISE NOTED.

NOTE: CONTRACTOR SHALL COORDINATE w/HDIC (823-9360) PRIOR TO ANY CONSTRUCTION OR REMOVALS WITHIN HIGH DESERT STREET.

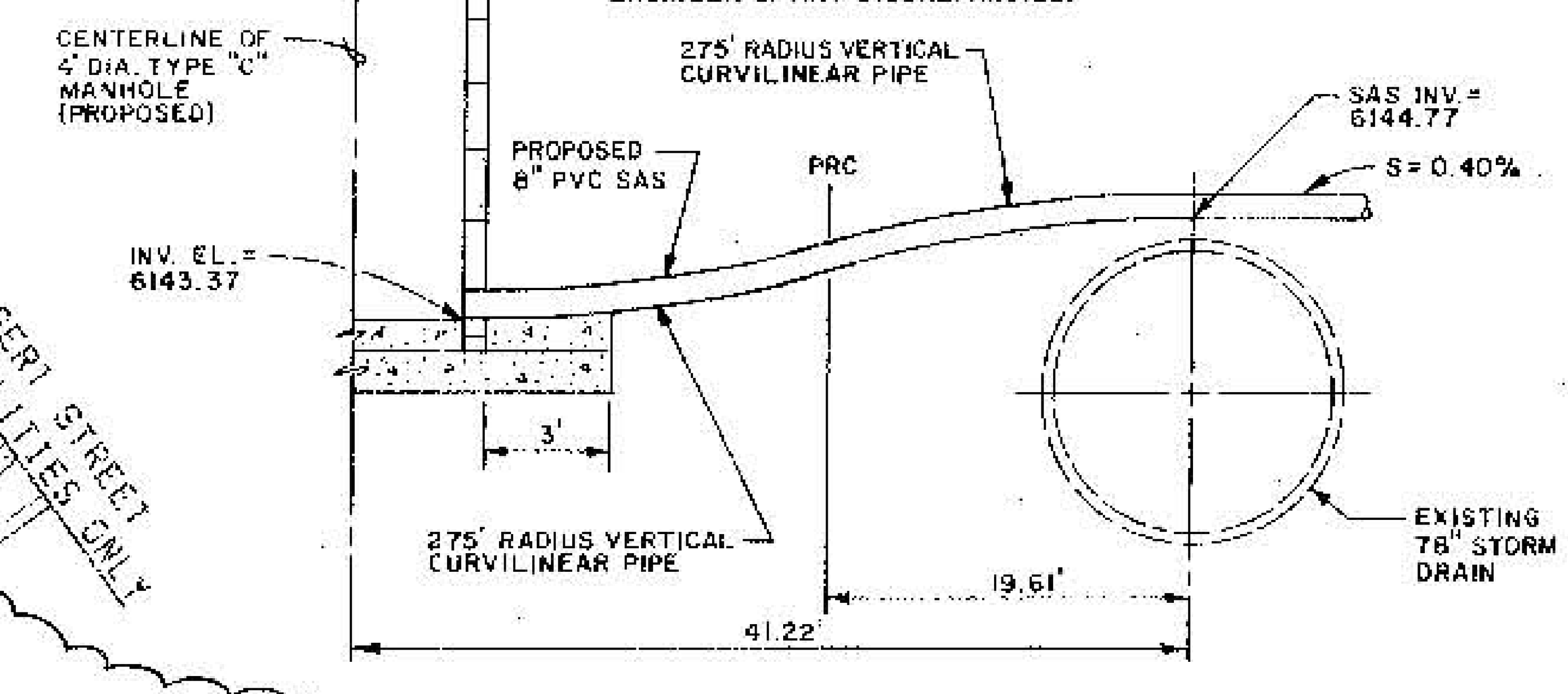


WATER & SANITARY SEWER SERVICES

LOT NUMBER	WL STATION & OFFSET	WL TYPE	SAS STATION & OFFSET	SAS LENGTH	TOP OF PIPE AT PLUG
5	SEE SHEET 15 OF 20	--------	2+66.75, CL SAS "A"	17.78'	49.93
6			2+90.89, CL SAS "A"	29.43'	50.59

NOTES:

1. CONTRACTOR SHALL BUILD VERTICAL CURVILINEAR SEWER IN ACCORDANCE WITH COA STD. DWG. 2117 WITH THE EXCEPTION OF THE REPLACEMENT OF NOTE E WITH NOTE 1.
2. CONTRACTOR SHALL FIELD VERIFY THE CLEARANCE OF THE EXISTING 78" STORM DRAIN AND THE PROPOSED 8" SEWER CROSSING AND CONTACT THE ENGINEER OF ANY DISCREPANCIES.

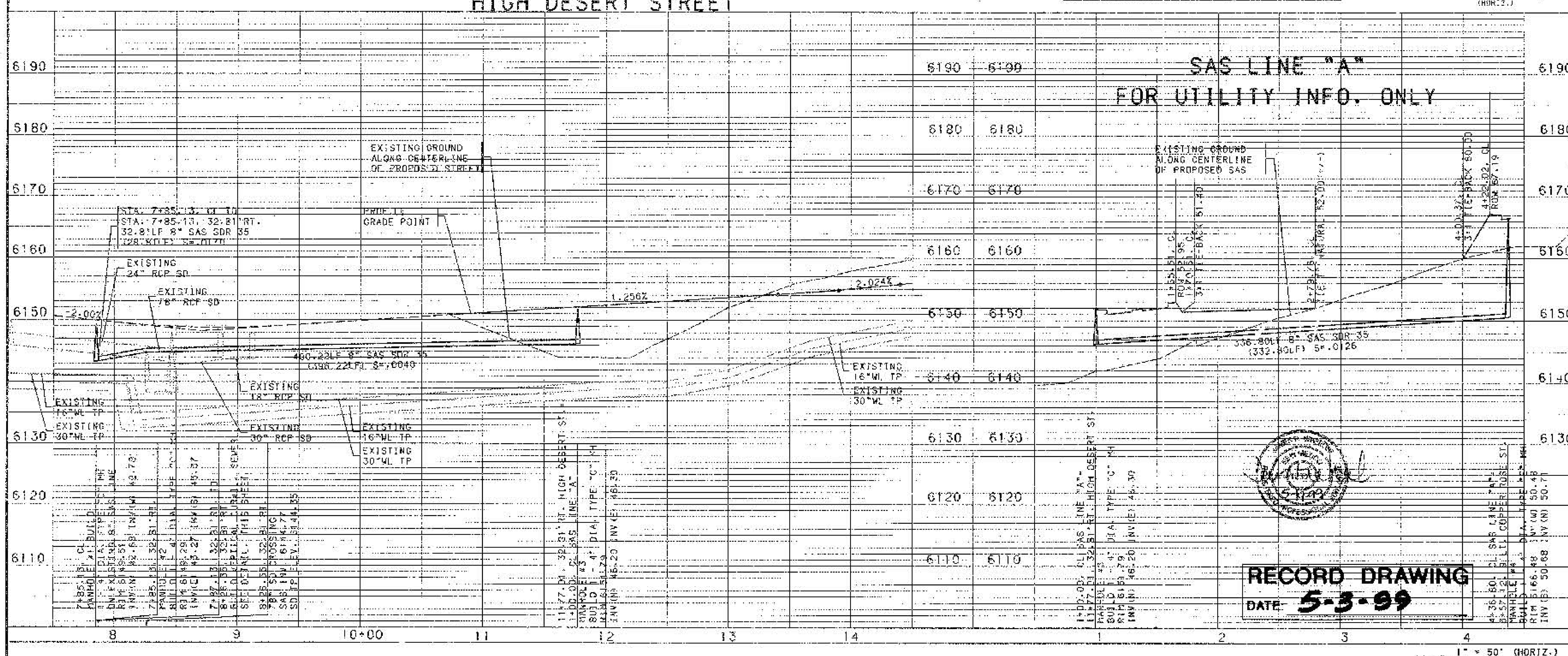


VERTICAL CURVILINEAR SEWER PIPE DETAIL

NO SCALE

UTILITY CROSSING & CLEARANCE

#1	WATERLINE TP 6141.04 SAS INV. 6142.92	CLEARANCE= 1.88'
#2	WATERLINE TP 6141.04 SAS INV. 6143.02	CLEARANCE= 1.98'
#3	SAS INV. 6144.77 SD TP 6144.35	CLEARANCE= 0.42'
#4	WATERLINE TP 6139.81 SAS INV. 6146.49	CLEARANCE= 6.68'
#5	WATERLINE TP 6138.64 SAS INV. 6146.57	CLEARANCE= 7.93'



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

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.
13. CONTRACTOR SHALL COORDINATE w/HDIC (823-9360) PRIOR TO ANY CONSTRUCTION OR REMOVALS WITHIN HIGH DESERT STREET.

RESTRAINED JOINT TABLE

MECHANICAL JOINTS	LENGTH OF RESTRAINED JOINTS FROM EACH SIDE OF MJ LISTED (4")	(6")	(8")	(16")
11.25° H BEND	1'	2'	3'	5'
22.50° H BEND	3'	4'	5'	10'
45° H BEND	6'	8'	11'	21'
90° H BEND	15'	20'	26'	50'
GATE VALVE	46'	55'	72'	---
BTRFLY VALVE	---	---	---	108'
CAP	46'	55'	72'	108'

NOTES:

1. ALL MECHANICAL JOINTS SHALL BE RESTRAINED AT THE FITTING.
2. THE CONTRACTOR SHALL PROVIDE A MIN. PIPE LENGTH OF 20LF FROM ALL MECHANICAL JOINTS. ALL PIPE JOINTS WITHIN 20LF OF A MJ SHALL BE RESTRAINED AT THE CONTRACTORS EXPENSE.
3. THE CONTRACTOR SHALL RESTRAIN ALL PIPE JOINTS IN THE SPECIFIED DISTANCE LISTED IN THE TABLE ABOVE. (SEE NOTE 2 ABOVE).
4. THE CONTRACTOR SHALL RESTRAIN ALL FIRE HYDRANT JOINTS FROM THE TEE ON THE MAIN TO THE FIRE HYDRANT FLANGE.

AS-BUILT INFORMATION | BENCH MARKS | SURVEY INFORMATION | ENGINEER'S SEAL

STATION IS A STANDARD UCC&GS BRASS TABLET STAMPED "TUMBLE 1969" SET IN CONCRETE PROJECTING 0.2FT ABOVE GROUND, LOCATED 489 FEET WEST OF THE INTERSECTION OF SAN ANTONIO DRIVE AND TENNYSON STREET, AND 35 FEET NORTH OF RIGHT-OF-WAY LINE OF SAN ANTONIO DR. ELEV.=6009.155

NO. | DATE | REMARKS — REVISIONS | DESIGN

DESIGNED BY KP, TG — DATE 8/98 | DRAWN BY SAR — DATE 8/98 | CHECKED BY KP

BOHANNAN-HUSTON INC.
ENGINEERS • PLANNERS • PHOTOGRAMMETRISTS • SURVEYORS • LANDSCAPE ARCHITECTS
ALBUQUERQUE LAS CRUCES SANTA FE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

THE OVERLOOK AT HIGH DESERT
UTILITY PLAN & PROFILE
HIGH DESERT STREET - STA. 7+50.00 TO 14+50.00

DESIGN REVIEW COMMITTEE | CITY ENGINEER APPROVAL | MO./DAY/YR. | MO./DAY/YR. | LAST DESIGN UPDATE

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
571285	E-23	13	20

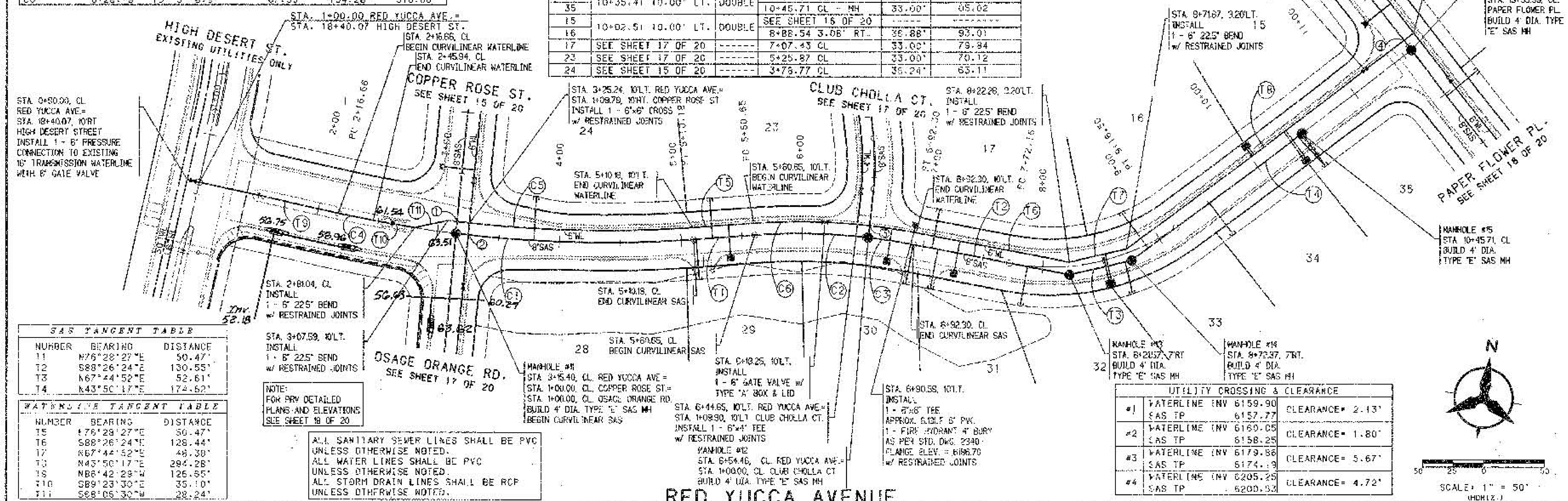
BHI JOB NO. 95237A08

DATE: AUGUST 25, 1998

SAS CURVE DATA TABLE					
NUMBER	PI STA.	DELTA	TANGENT	ARC	RADIUS
C	4+13.10	11° 9'35.9"	97.70'	194.78'	1000.00'
C2	6+07.69	10°44'58.0"	47.04'	93.81'	500.00'
C3	6+73.39	4°20'10.9"	18.93'	37.84'	500.00'

WATERLINE CURVE DATA TABLE					
NUMBER	PI STA.	DELTA	TANGENT	ARC	RADIUS
C4	2+31.30	1°40'40.1"	14.64'	29.28'	1000.00'
C5	4+08.22	11°36'26.6"	100.63'	200.56'	990.00'
C6	6+28.18	15° 5' 8.9"	67.53'	134.28'	510.00'

WATER & SANITARY SEWER SERVICES					
LOT NUMBER	WL STATION & OFFSET	WL TYPE	SAS STATION & OFFSET	SAS LENGTH	TOP OF PIPE AT PLUG
28	SEE SHEET 17 OF 20	------	SEE SHEET 17 OF 20	------	---------
29	5+39.66 10.00' LT.	SINGLE	5+12.44 CL	33.00'	68.43
30	6+72.61 10.00' LT.	SINGLE	6+91.94 CL	33.00'	77.79
31	7+28.96 10.00' LT.	SINGLE	7+12.43 CL	33.00'	79.19
32	9+52.47 4.78' LT.	DOUBLE	7+87.66 0.57' RT.	32.43'	84.62
33			8+67.24 6.32' RT.	26.83'	90.76
34	10+35.41 10.00' LT.	DOUBLE	9+50.67 CL	33.00'	97.72
35			10+45.71 CL - MH	33.00'	05.02
15	10+02.51 10.00' LT.	DOUBLE	SEE SHEET 16 OF 20	------	---------
16			8+88.54 3.06' RT.	36.88'	93.01
17	SEE SHEET 17 OF 20	------	7+07.43 CL	33.00'	79.84
23	SEE SHEET 17 OF 20	------	5+25.87 CL	33.00'	70.12
24	SEE SHEET 15 OF 20	------	3+73.77 CL	35.24'	63.11

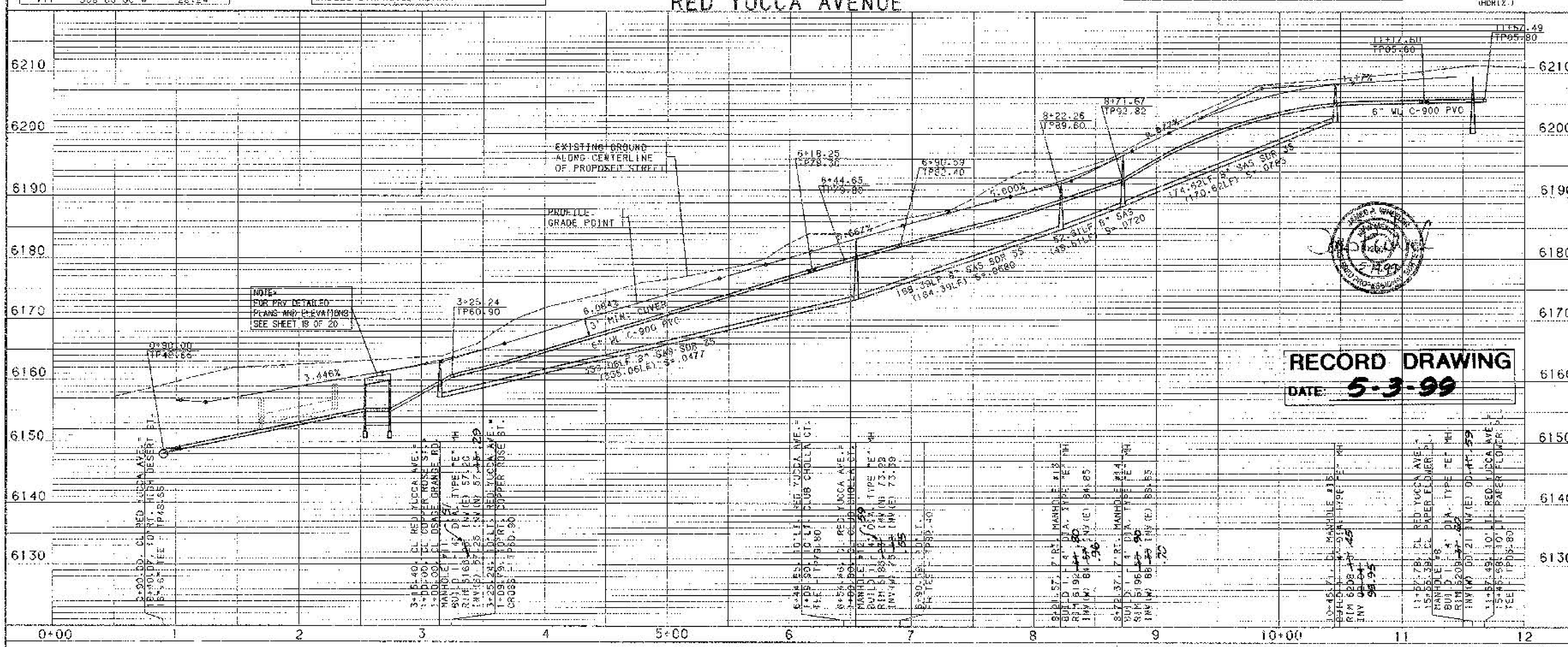


SAS TANGENT TABLE		
NUMBER	BEARING	DISTANCE
T1	N76°28'27"E	50.47'
T2	S88°26'24"E	130.55'
T3	N67°44'52"E	52.61'
T4	N43°50'17"E	174.62'

WATERLINE TANGENT TABLE		
NUMBER	BEARING	DISTANCE
T5	N76°28'27"E	50.47'
T6	S88°26'24"E	128.44'
T7	N67°44'52"E	46.38'
T8	N43°50'17"E	294.28'
T9	N86°42'29"W	126.55'
T10	S89°23'30"E	35.10'
T11	S68°05'30"W	28.24'

ALL SANITARY SEWER LINES SHALL BE PVC UNLESS OTHERWISE NOTED.
ALL WATER LINES SHALL BE PVC UNLESS OTHERWISE NOTED.
ALL STORM DRAIN LINES SHALL BE RCP UNLESS OTHERWISE NOTED.

UTILITY CROSSING & CLEARANCE		
#1	WATERLINE INV 6159.90 SAS TP 6157.77	CLEARANCE= 2.13'
#2	WATERLINE INV 6160.05 SAS TP 6158.25	CLEARANCE= 1.80'
#3	WATERLINE INV 6179.86 SAS TP 6174.19	CLEARANCE= 5.67'
#4	WATERLINE INV 6205.25 SAS TP 6200.53	CLEARANCE= 4.72'



NOTES

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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.

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

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

RESTRAINED JOINT TABLE

MECHANICAL JOINTS	LENGTH OF RESTRAINED JOINTS FROM EACH SIDE OF MJ LISTED (4")	(6")	(8")	(16")
11.25° H BEND	1'	2'	3'	5'
22.50° H BEND	3'	4'	5'	10'
45° H BEND	6'	8'	11'	21'
90° H BEND	15'	20'	26'	50'
GATE VALVE	46'	55'	72'	---
BTRFLY VALVE	---	---	---	108'
CAP	46'	55'	72'	108'

NOTES:
1. ALL MECHANICAL JOINTS SHALL BE RESTRAINED AT THE FITTING.
2. THE CONTRACTOR SHALL PROVIDE A MIN. PIPE LENGTH OF 20LF FROM ALL MECHANICAL JOINTS. ALL PIPE JOINTS WITHIN 20LF OF A MJ SHALL BE RESTRAINED AT THE CONTRACTORS EXPENSE.
3. THE CONTRACTOR SHALL RESTRAIN ALL PIPE JOINTS IN THE SPECIFIED DISTANCE LISTED IN THE TABLE ABOVE. (SEE NOTE 2 ABOVE).
4. THE CONTRACTOR SHALL RESTRAIN ALL FIRE HYDRANT JOINTS FROM THE TEE ON THE MAIN TO THE FIRE HYDRANT FLANGE.

AS-BUILT INFORMATION
BENCH MARKS
ENGINEER'S SEAL
SURVEY INFORMATION
FIELD NOTES
REVISIONS
REMARKS
DESIGN
DESIGNED BY KP, TG — DRAWN BY SAR — CHECKED BY KP

BOHANNAN-HUSTON INC.
ENGINEERS • PLANNERS • PHOTOGRAMMETRISTS • SURVEYORS • LANDSCAPE ARCHITECTS
ALBUQUERQUE, LAS CRUCES, SANTA FE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

THE OVERLOOK AT HIGH DESERT
UTILITY PLAN & PROFILE
RED YUCCA AVENUE

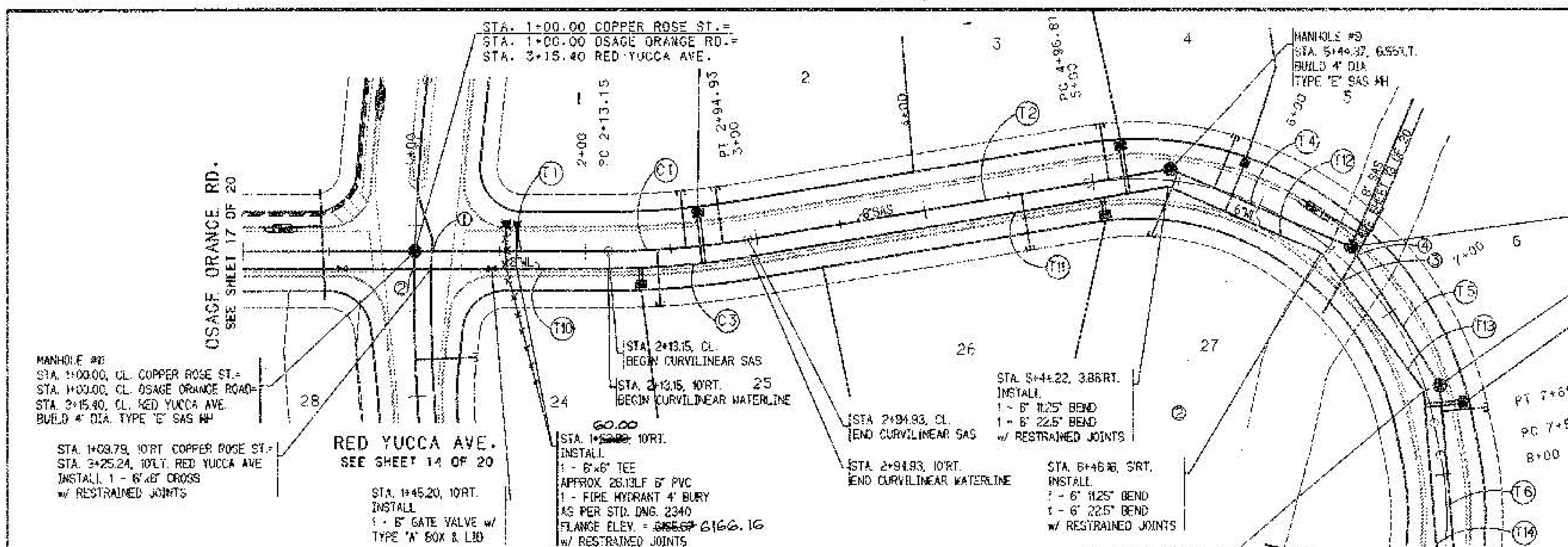
DESIGN REVIEW COMMITTEE | CITY ENGINEER APPROVAL | LAST DESIGN UPDATE | MO/DAY/YR. | MO/DAY/YR.

CITY PROJECT NO. 571285 | ZONE MAP NO. E-23 | SHEET 14 OF 20

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

BHI JOB NO. 99237A08

DATE: AUGUST 25, 1998



SAS CURVE DATA TABLE					
NUMBER	PI STA.	DELTA	TANGENT	ARC	RADIUS
C1	2+54.13	9°22'14.9"	40.98'	81.78'	500.00'

WATERLINE CURVE DATA TABLE					
NUMBER	PI STA.	DELTA	TANGENT	ARC	RADIUS
C3	2+54.95	9°22'14.9"	41.80'	83.41'	510.00'

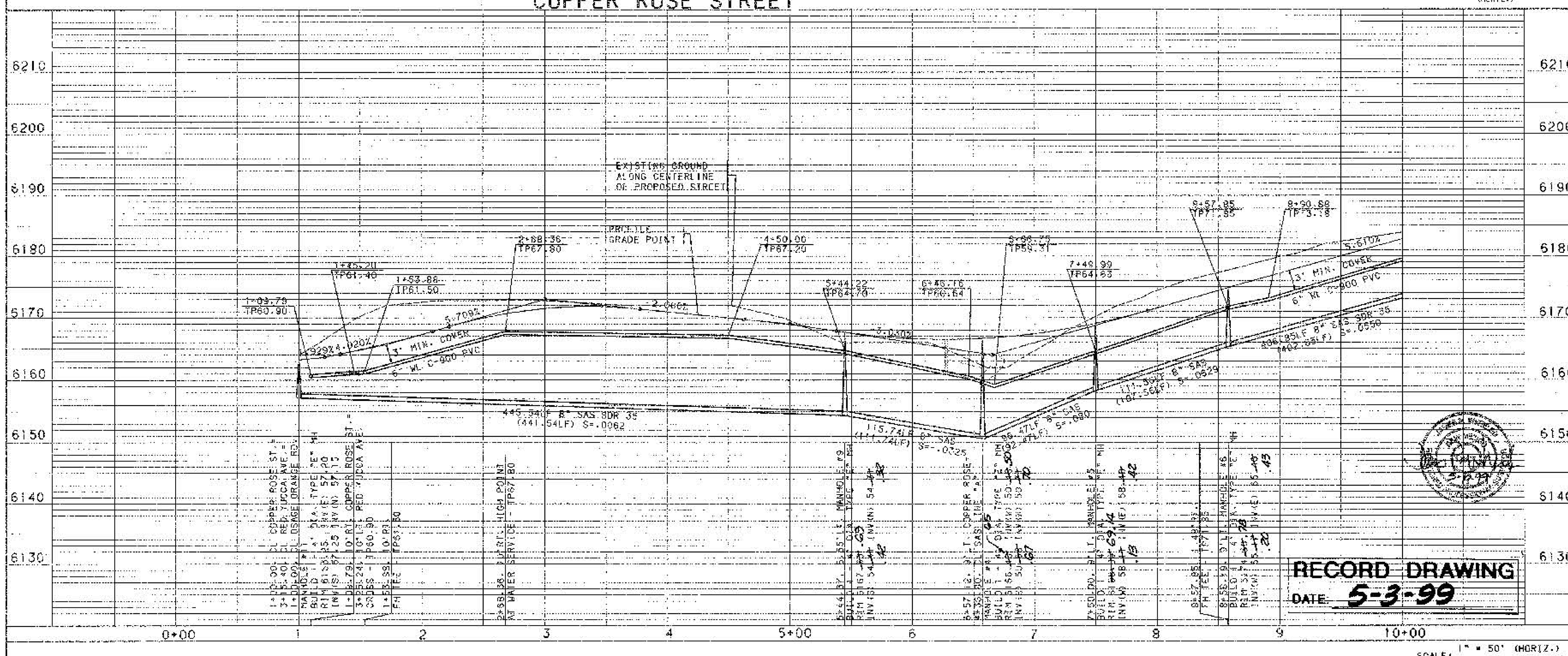
SAS TANGENT TABLE		
NUMBER	BEARING	DISTANCE
T1	N03°50'16"W	113.15'
T2	S13°12'31"E	250.61'
T3	OUT	
T4	N19°05'52"E	115.74'
T5	N53°20'38"E	95.47'
T6	N81°17'24"E	111.56'
T7	N65°08'16"W	405.85'

WATERLINE TANGENT TABLE		
NUMBER	BEARING	DISTANCE
T10	N03°50'16"W	103.36'
T11	S13°12'31"E	247.71'
T12	N19°05'52"E	98.06'
T13	N49°32'24"E	100.63'
T14	N81°17'24"E	142.42'
T15	N65°08'16"W	373.70'

UTILITY CROSSING & CLEARANCE		
#1	WATERLINE INV 6159.90 SAS TP 6157.77	CLEARANCE= 2.13'
#2	WATERLINE INV 6160.05 SAS TP 6158.25	CLEARANCE= 1.80'
#3	WATERLINE TP 6159.31 SD INV. 6160.89	CLEARANCE= 1.58'
#4	SAS TP 6151.67 SD INV. 6160.05	CLEARANCE= 8.38'
#5	WATERLINE INV 6172.45 SAS TP 6166.95	CLEARANCE= 5.50'

WATER & SANITARY SEWER SERVICES					
LOT NUMBER	WL STATION & OFFSET	WL TYPE	SAS STATION & OFFSET	SAS LENGTH	TOP OF PIPE AT PLUG (W/RISER)
1	2+68.35 10.00' RT.	DOUBLE	2+58.91 CL	33.00'	59.19
2			2+80.50 CL	33.00'	58.40
3	5+20.37 8.52' RT.	DOUBLE	5+09.21 0.43' LT.	32.63'	59.59(3')
4			5+71.50 0.34' LT.	32.94'	55.44
5	5+81.70 10.88' RT.	SINGLE	SEE SHEET 13 OF 20	------	--------
6	7+58.37 2.97' RT.	DOUBLE	SEE SHEET 13 OF 20	------	--------
7			7+64.13 6.21' LT.	27.05'	61.09
8	9+30.59 10.00' LT.	DOUBLE	8+52.85 7.52' LT.	26.16'	68.79
9			9+39.95 CL	33.00'	71.88
24	2+31.89 10.00' RT.	DOUBLE	SEE SHEET 14 OF 20	------	--------
25			2+42.15 CL	33.00'	64.29(5'VERT.)
26	5+04.31 9.85' RT.	DOUBLE	4+57.65 CL	33.00'	62.91(5'VERT.)
27			5+49.02 5.15' LT.	40.00'	60.90(5')
20	SEE SHEET 16 OF 20	------	9+96.10 CL	33.00'	74.97

COPPER ROSE STREET



NOTES

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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.
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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.

RESTRAINED JOINT TABLE

MECHANICAL JOINTS	LENGTH OF RESTRAINED JOINTS FROM EACH SIDE OF MJ LISTED (4")	(6")	(8")	(16")
11.25° H BEND	1'	2'	3'	5'
22.50° H BEND	3'	4'	5'	10'
45° H BEND	6'	8'	11'	21'
90° H BEND	15'	20'	26'	50'
GATE VALVE	46'	55'	72'	---
BTRFLY VALVE	---	---	---	108'
CAP	46'	55'	72'	108'

NOTES:
1. ALL MECHANICAL JOINTS SHALL BE RESTRAINED AT THE FITTING.
2. THE CONTRACTOR SHALL PROVIDE A MIN. PIPE LENGTH OF 20LF FROM ALL MECHANICAL JOINTS. ALL PIPE JOINTS WITHIN 20LF OF A MJ SHALL BE RESTRAINED AT THE CONTRACTORS EXPENSE.
3. THE CONTRACTOR SHALL RESTRAIN ALL PIPE JOINTS IN THE SPECIFIED DISTANCE LISTED IN THE TABLE ABOVE. (SEE NOTE 2 ABOVE).
4. THE CONTRACTOR SHALL RESTRAIN ALL FIRE HYDRANT JOINTS FROM THE TEE ON THE MAIN TO THE FIRE HYDRANT FLANGE.

AS-BUILT INFORMATION: CONTRACTOR Universal; STAKED BY BH, DATE 5/99; INSPECTOR'S ACCEPTANCE BY BH, DATE 5/99; FIELD VERIFICATION BY BH, DATE 5/99; DRAWINGS CORRECTED BY BH, DATE 5/99

BENCH MARKS: STATION IS A STANDARD ACS BRASS TABLET STAMPED "TUMBLE 1969" SET IN CONCRETE PROJECTING 0.2FT ABOVE GROUND. LOCATED 489 FEET WEST OF THE INTERSECTION OF SAN ANTONIO DRIVE AND TENNYSON STREET, AND 35 FEET NORTH OF RIGHT-OF-WAY LINE OF SAN ANTONIO DR. ELEV.=6009.155

REVISIONS: DESIGN — DESIGNED BY KP, TG, DATE 8/98; DRAWN BY SAR, DATE 8/98; CHECKED BY KP

BOHANNAN-HUSTON INC.
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ALBUQUERQUE · LAS CRUCES · SANTA FE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

THE OVERLOOK AT HIGH DESERT
UTILITY PLAN & PROFILE
COPPER ROSE STREET

DESIGN REVIEW COMMITTEE | CITY ENGINEER APPROVAL | LAST DESIGN UPDATE | MO./DAY/YR. | MO./DAY/YR.

CITY PROJECT NO 571285 | ZONE MAP NO E-23 | SHEET 15 OF 20

BHI JOB NO. 95237A05

DATE: AUGUST 25, 1998

USERNAME: COPS:[C0530PA2440]
FILENAME: COPS:[C0530PA2440.PNP]COPPER-PNP.GRF

WATER & SANITARY SEWER SERVICES					
LOT NUMBER	WL STATION & OFFSET	WL TYPE	SAS STATION & OFFSET	SAS LENGTH	TOP OF PIPE AT PLUG
10	11+52.14 10.00' LT.	DOUBLE	10+46.97 CL	33.00'	77.44
11			11+62.58 CL	33.00'	84.13
12	14+84.29 10.00' LT.	DOUBLE	13+69.80 CL	33.00'	94.07
13			14+93.90 CL	33.00'	99.63
14	16+99.84 10.00' LT.	DOUBLE	16+02.07 CL	33.00'	04.71
36			17+69.93 CL	33.00'	10.29
20	11+47.36 10.00' LT.	DOUBLE	SEE SHEET 15 OF 20	-----	------
19			11+56.74 CL	33.00'	84.80
15	SEE SHEET 14 OF 20	------	13+88.64 CL	33.00'	95.08

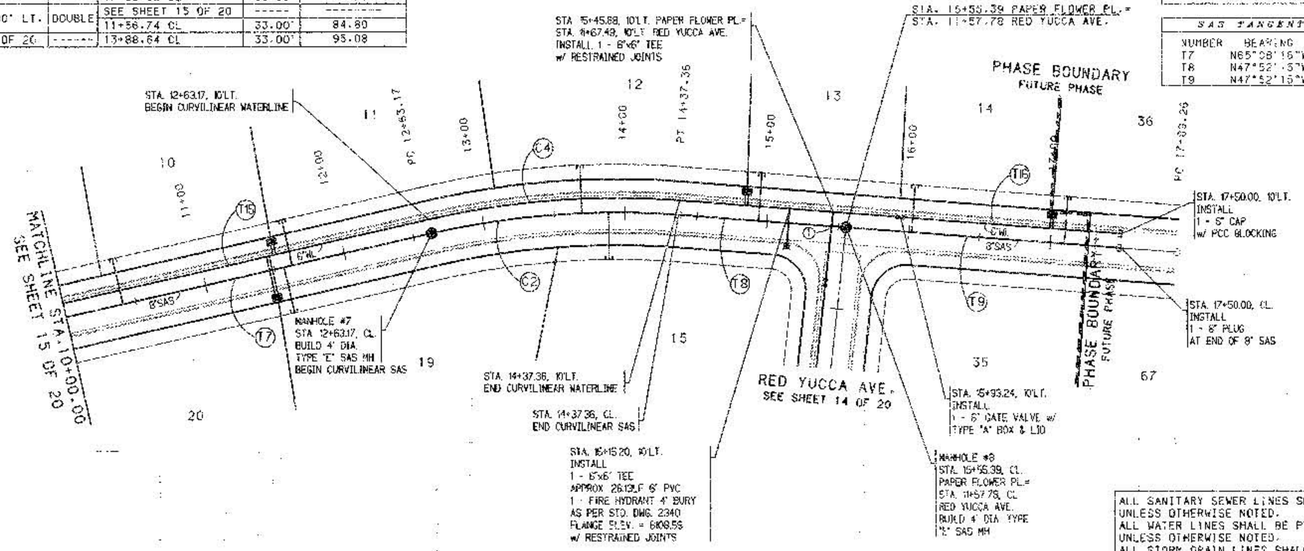
SAS CURVE DATA TABLE					
NUMBER	PI STA.	DELTA	TANGENT	ARC	RADIUS
C2	13+50.93	17°16'0.2"	87.76'	174.19'	578.00'

WATERLINE CURVE DATA TABLE					
NUMBER	PI STA.	DELTA	TANGENT	ARC	RADIUS
C4	13+52.45	17°16'0.2"	89.28'	177.20'	588.00'

SAS TANGENT TABLE		
NUMBER	BEARING	DISTANCE
T7	N65°08'16"W	406.25'
T8	N47°52'15"W	118.03'
T9	N47°52'15"W	194.61'

WATERLINE TANGENT TABLE		
NUMBER	BEARING	DISTANCE
T15	N65°08'16"W	373.70'
T16	N47°52'15"W	312.64'

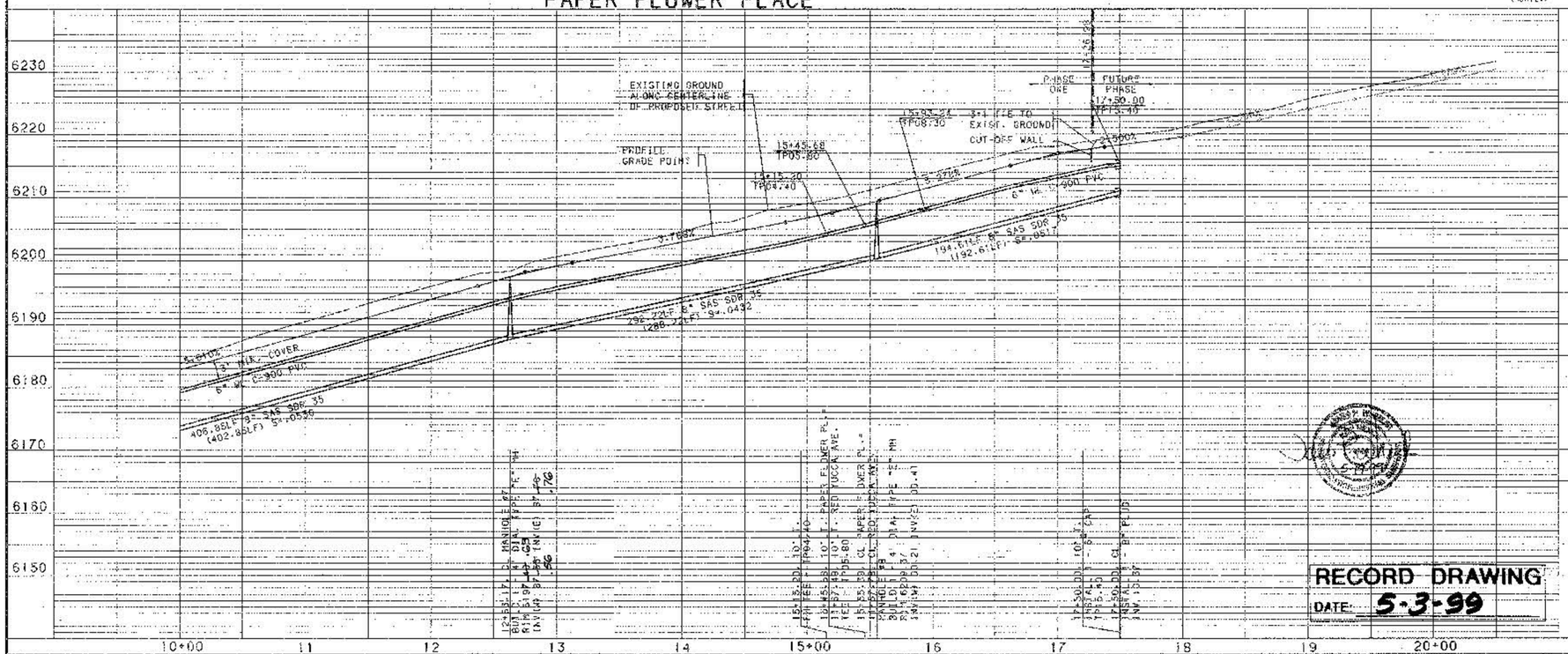
UTILITY CROSSING & CLEARANCE		
#1	WATERLINE INV 6205.25	CLEARANCE= 4.72'
	SAS TP 6200.53	



ALL SANITARY SEWER LINES SHALL BE PVC UNLESS OTHERWISE NOTED.
ALL WATER LINES SHALL BE PVC UNLESS OTHERWISE NOTED.
ALL STORM DRAIN LINES SHALL BE RCP UNLESS OTHERWISE NOTED.

SCALE: 1" = 50' (HORIZ.)

PAPER FLOWER PLACE



SCALE: 1" = 10' (VERT.)

RECORD DRAWING
DATE: 5-3-99

BHI JOB NO. 98237A00

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.

RESTRAINED JOINT TABLE

MECHANICAL JOINTS	LENGTH OF RESTRAINED JOINTS FROM EACH SIDE OF MJ LISTED (4")	(6")	(8")	(16")
11.25° H BEND	1'	2'	3'	5'
22.50° H BEND	2'	4'	5'	10'
45° H BEND	6'	8'	11'	21'
90° H BEND	15'	20'	26'	50'
GATE VALVE	46'	55'	72'	---
SIDELY VALVE	---	---	---	108'
CAP	46'	55'	72'	108'

NOTES:
1. ALL MECHANICAL JOINTS SHALL BE RESTRAINED AT THE FITTING.
2. THE CONTRACTOR SHALL PROVIDE A MIN. PIPE LENGTH OF 20LF FROM ALL MECHANICAL JOINTS. ALL PIPE JOINTS WITHIN 20LF OF A MJ SHALL BE RESTRAINED AT THE CONTRACTORS EXPENSE.
3. THE CONTRACTOR SHALL RESTRAIN ALL PIPE JOINTS IN THE SPECIFIED DISTANCE LISTED IN THE TABLE ABOVE. (SEE NOTE 2 ABOVE).
4. THE CONTRACTOR SHALL RESTRAIN ALL FIRE HYDRANT JOINTS FROM THE TEE ON THE MAIN TO THE FIRE HYDRANT FLANGE.

AS-BUILT INFORMATION
CONTRACTOR: Chavarria/ DATE: 6/99
WORK STAKED BY: BH DATE: 5/99
ACCEPTANCE BY: BH DATE: 5/99
FIELD VERIFICATION BY: BH DATE: 5/99
DRAWINGS CORRECTED BY: BH DATE: 5/99
MICRO-FILM INFORMATION
RECORDED BY: DATE:
NO.:

BENCH MARKS
STATION 15 IS A 3"STANDARD USCG&GS BRASS
GEOLOGICAL SURVEY BENCH MARK. TOP TABLET STAMPED "TUMBLE 1969" SET IN CONCRETE PROJECTING 0.2FT ABOVE GROUND, LOCATED 489 FEET WEST OF THE INTERSECTION OF SAN ANTONIO DRIVE AND TENNYSON STREET, AND 35 FEET NORTH OF RIGHT-OF-WAY LINE OF SAN ANTONIO DR. ELEV.=6009.155

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
KEVIN S. PATTON 15686 REGISTERED PROFESSIONAL ENGINEER
8/24/98

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
	DESIGNED BY	KP, TG	DATE 8/98
	DRAWN BY	SAR	DATE 8/98
	CHECKED BY	KP	DATE 8/98

BOHANNAN-HUSTON INC.
ENGINEERS • PLANNERS • PHOTOGRAMMETRISTS • SURVEYORS • LANDSCAPE ARCHITECTS
ALBUQUERQUE LAS CRUCES SANTA FE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

THE OVERLOOK AT HIGH DESERT
UTILITY PLAN & PROFILE
PAPER FLOWER PLACE

DESIGN REVIEW COMMITTEE | CITY ENGINEER APPROVAL | LAST DESIGN UPDATE | MO./DAY/YR. | MO./DAY/YR.

CITY PROJECT NO. 571285 | ZONE MAP NO. E-23 | SHEET 16 OF 20

USERNAME= CDPS:[CDSSG7A2440]
FILENAME= CDPS:[CDSF207A2410.PWP3]PAPER-PWP.GRF

DATE: AUGUST 25, 1998

SAS CURVE DATA TABLE					
NUMBER	PI STA.	DELTA	TANGENT	ARC	RADIUS
C1	2+98.07	26°16'27.4"	64.18'	126.11'	275.00'
C3	1+81.56	13°20' 8.9"	32.15'	64.01'	275.00'
C4	2+65.78	24°20'26.0"	75.48'	148.65'	350.00'

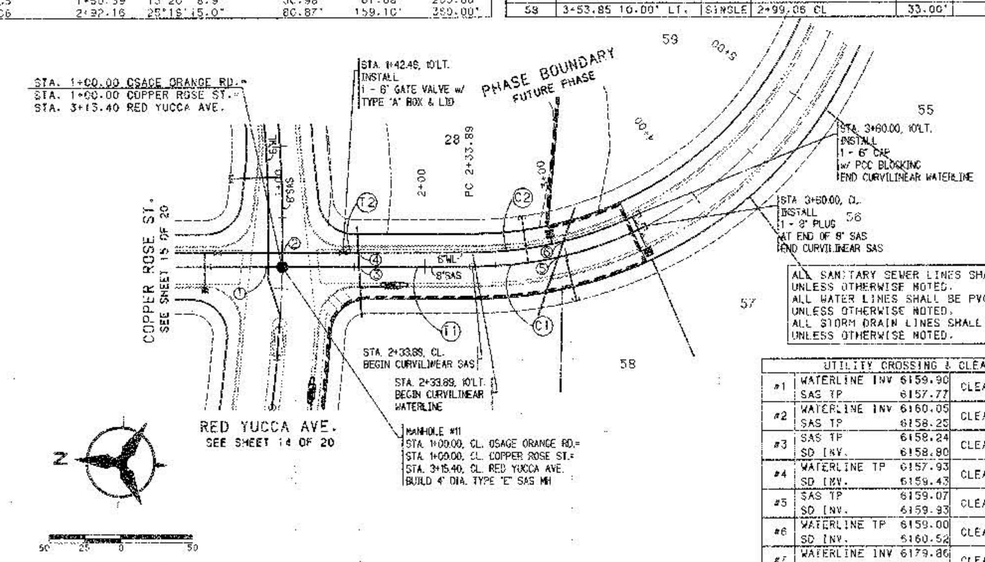
SAS TANGENT TABLE		
NUMBER	BEARING	DISTANCE
T1	N03°50'16"W	133.89'
T3	S02°46'35"E	28.42'
T4	N16°06'43"W	17.77'

WATERLINE TANGENT TABLE		
NUMBER	BEARING	DISTANCE
T2	N03°50'16"W	143.69'
T5	S02°46'35"E	19.51'
T6	N16°06'43"W	17.77'

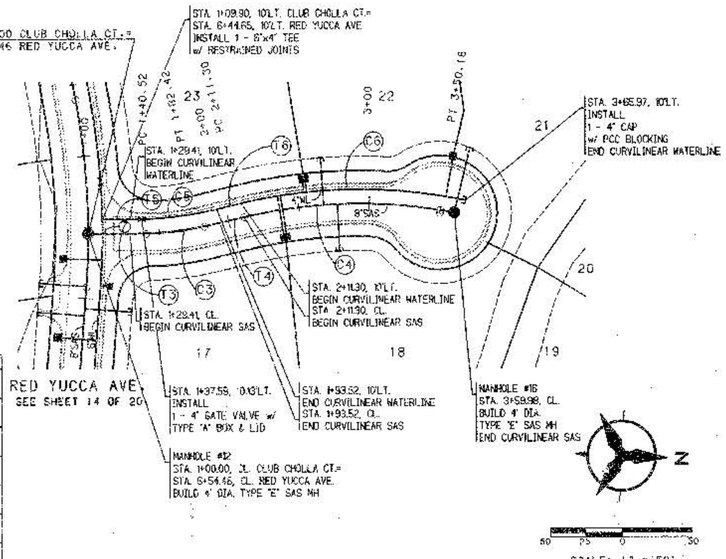
WATERLINE CURVE DATA TABLE					
NUMBER	PI STA.	DELTA	TANGENT	ARC	RADIUS
C2	2+85.74	26°16'27.4"	61.85'	121.32'	285.00'
C5	1+60.39	13°20' 8.9"	30.96'	61.66'	265.00'
C6	2+37.16	25°16'15.0"	80.87'	159.10'	360.00'

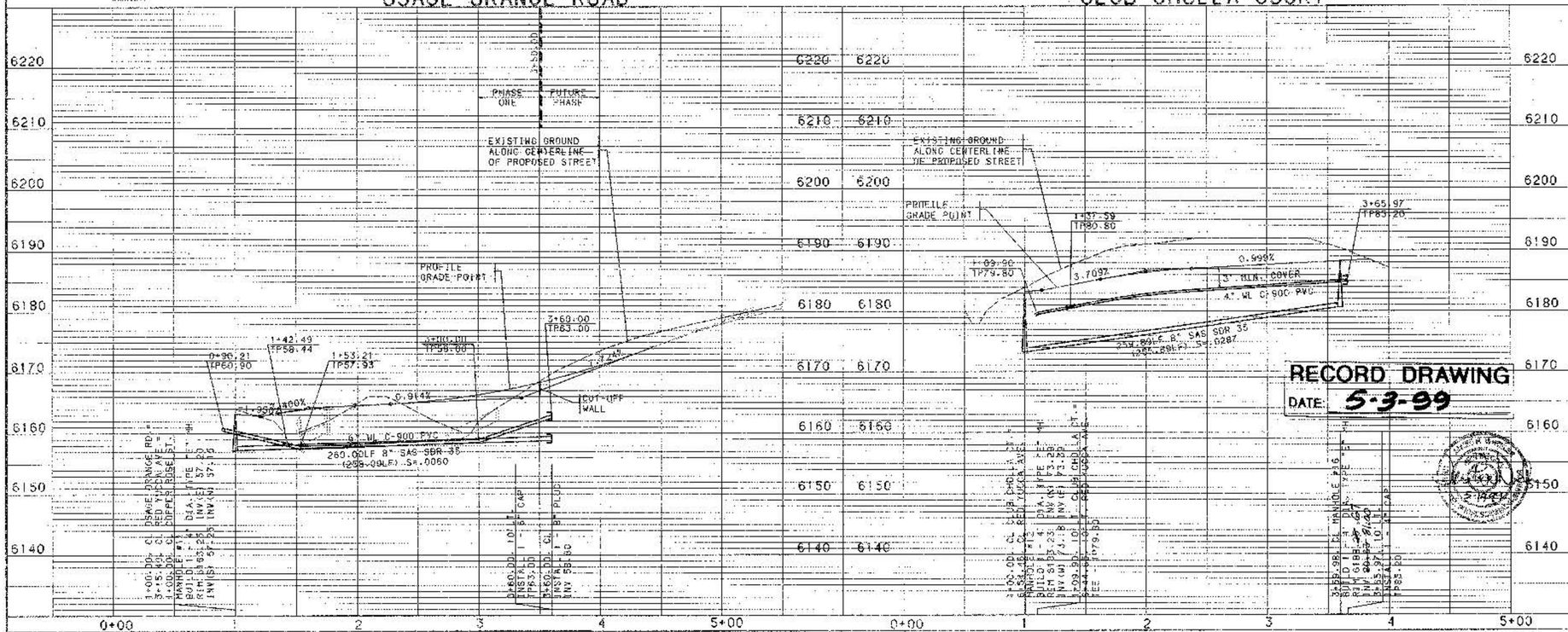
WATER & SANITARY SEWER SERVICES					
LOT NUMBER	WL STATION & OFFSET	WL TYPE	SAS STATION & OFFSET	SAS LENGTH	TOP OF PIPE AT PLUG
28	2+91.74 10.00' LT.	SINGLE	2+72.91 CL	33.00'	61.93
59	3+53.85 10.00' LT.	SINGLE	2+99.06 CL	33.00'	60.42

WATER & SANITARY SEWER SERVICES					
LOT NUMBER	WL STATION & OFFSET	WL TYPE	SAS STATION & OFFSET	SAS LENGTH	TOP OF PIPE AT PLUG (W/RISER)
17	2+37.42 10.00' LT.	DOUBLE	SEE SHEET 14 OF 20	-----	--------
18			2+77.49 CL	33.00'	84.05(T4')
21	3+52.59 10.00' LT.	SINGLE	3+59.98 CL - MH	46.43'	82.89
22			2+67.55 CL	33.00'	80.09
23	2+55.42 10.00' LT.	DOUBLE	SEE SHEET 14 OF 20	-----	--------



UTILITY CROSSING & CLEARANCE			
#1	WATERLINE INV	6159.90	CLEARANCE= 2.13'
	SAS TP	6157.77	
#2	WATERLINE INV	6160.05	CLEARANCE= 1.80'
	SAS TP	6158.25	
#3	SAS TP	6158.24	CLEARANCE= 0.56'
	SD INV.	6158.80	
#4	WATERLINE TP	6157.93	CLEARANCE= 1.50'
	SD INV.	6159.43	
#5	SAS TP	6159.07	CLEARANCE= 0.86'
	SD INV.	6159.93	
#6	WATERLINE TP	6159.00	CLEARANCE= 1.32'
	SD INV.	6160.52	
#7	WATERLINE INV	6179.86	CLEARANCE= 5.67'
	SAS TP	6174.19	





RECORD DRAWING
DATE: 5-3-99

NOTES

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GATE VALVE	48'	55'	72'	---
BTRFLY VALVE	---	---	---	108'
CAP	48'	55'	72'	108'

NOTES:
1. ALL MECHANICAL JOINTS SHALL BE RESTRAINED AT THE FITTING.
2. THE CONTRACTOR SHALL PROVIDE A MIN. PIPE LENGTH OF 20LF FROM ALL MECHANICAL JOINTS. ALL PIPE JOINTS WITHIN 20LF OF A MJ SHALL BE RESTRAINED AT THE CONTRACTORS EXPENSE.
3. THE CONTRACTOR SHALL RESTRAIN ALL PIPE JOINTS IN THE SPECIFIED DISTANCE LISTED IN THE TABLE ABOVE. (SEE NOTE 2 ABOVE).
4. THE CONTRACTOR SHALL RESTRAIN ALL FIRE HYDRANT JOINTS FROM THE TEE ON THE MAIN TO THE FIRE HYDRANT FLANGE.

SURVEY INFORMATION — AS-BUILT INFORMATION
FIELD NOTES — BENCH MARKS
NO. | BY | DATE
STATION IS A STANDARD UCCASS BRASS CAP SET IN CONCRETE
GEOLOGICAL SURVEY BENCH MARK, TOP OF TABLET STAMPED "TUMBLE 1969" SET IN CONCRETE PROJECTING 0.2FT ABOVE GROUND, LOCATED 489 FEET WEST OF THE INTERSECTION OF SAN ANTONIO DRIVE AND TENNYSON STREET, AND 35 FEET NORTH OF RIGHT-OF-WAY LINE OF SAN ANTONIO DR., ELEV.=6009.155

CONTRACTOR — DATE
STAKED BY — DATE
ACCEPTANCE BY — DATE
FIELD LOCATION BY — DATE
DRAWINGS CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

ENGINEER'S SEAL

NO. | DATE | REMARKS | BY
REVISIONS
DESIGNED BY KP, TG — DATE 8/98
DRAWN BY SAR — DATE 8/98
CHECKED BY KP — DATE 8/98

BOHANNAN-HUSTON INC.
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ALBUQUERQUE LAS CRUCES SANTA FE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

THE OVERLOOK AT HIGH DESERT
UTILITY PLAN & PROFILE
OSAGE ORANGE ROAD - CLUB CHOLLA COURT

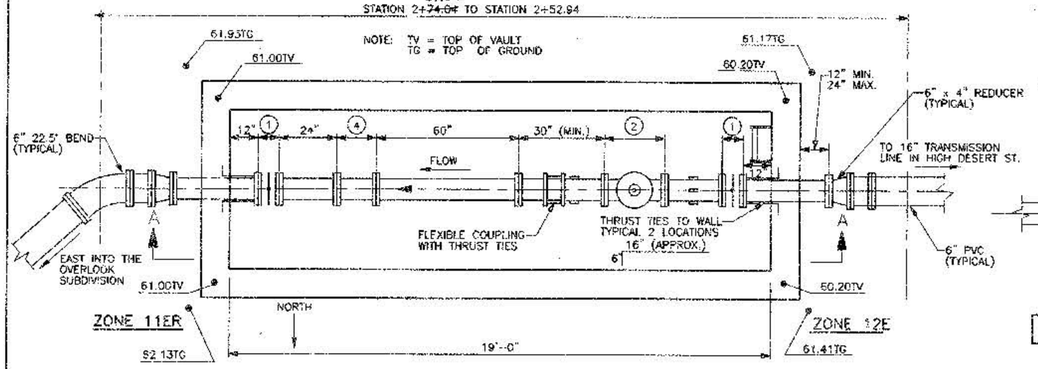
DESIGN REVIEW COMMITTEE | CITY ENGINEER APPROVAL | LAST DESIGN UPDATE | MO/DAY/YR | MO/DAY/YR

CITY PROJECT NO. 571285 | ZONE MAP NO. E-23 | SHEET 17 OF 20

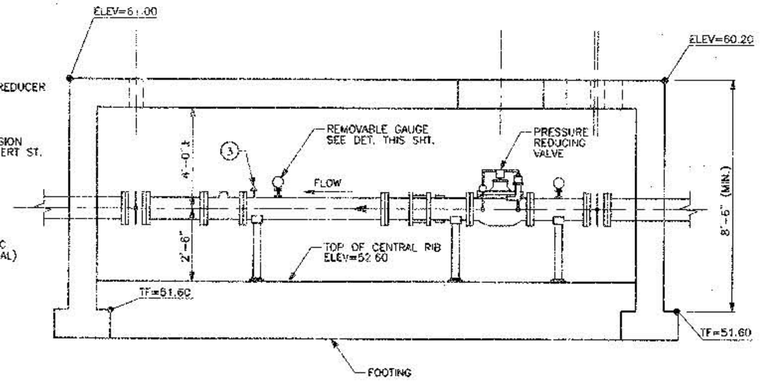
BHI JOB NO. 99237408

DATE: AUGUST 25, 1998

USERNAME: GDPS:EC95307A2440)
FILENAME: GDPS:EC95307A2440.PWF]OSAGE-CHOLLA-PWP.GRF



MECHANICAL PLAN
NOT TO SCALE



MECHANICAL SECTION "A-A"
NOT TO SCALE

STRUCTURAL NOTES

1. CONTRACTOR SHALL SET VAULT ROOF ELEVATION SUCH THAT WHEN USING PRECAST CONCRETE MANHOLE RINGS, THE MANHOLE COVER MATCHES EXISTING PAVEMENT GRADE.
2. PRV ACCESS OPENING SHALL BE 36", WITH PRECAST CONCRETE MANHOLE RINGS AND NEENAH R-1795-M MANHOLE BASE AND LID, OR EQUAL. INSTALLATION OF ADJUSTMENT RINGS AND COLLAR SHALL BE SIMILAR TO CITY STD. DWG. 2101, MANHOLE TYPE "C". OPENING SHALL BE DIRECTLY OVER CENTER OF PRV.
3. LADDER ACCESS OPENING SHALL BE 24", WITH NEENAH R-1795-H MANHOLE BASE AND LID, OR EQUAL. INSTALL ACCORDING TO NOTE 2.
4. VALVE NUT ACCESS SHALL CONSIST OF CITY STD. VALVE BOX AND RING. MATCHING FINAL GRADE, MOUNTED ON 12" DIA. CORRUGATED GALV. PIPE, EXTENDING TO TOP OF ROOF. 6" DIA. CORRUGATED GALV. PIPE TO BE EMBEDDED IN ROOF, CENTER MATCHING CENTER OF 12" PIPE. OPENING SHALL BE DIRECTLY OVER VALVE OPERATING NUT.
5. CONTRACTOR AT HIS OPTION, MAY ELECT TO USE PRECAST CONCRETE ELEMENTS IN VAULT CONSTRUCTION. THESE VAULT ELEMENTS SHALL BE DESIGNED FOR THE FOLLOWING LOADS:

   H-20 TRAFFIC LOADING AND 2 FT. OF SOIL LOAD ON ROOF SLAB.

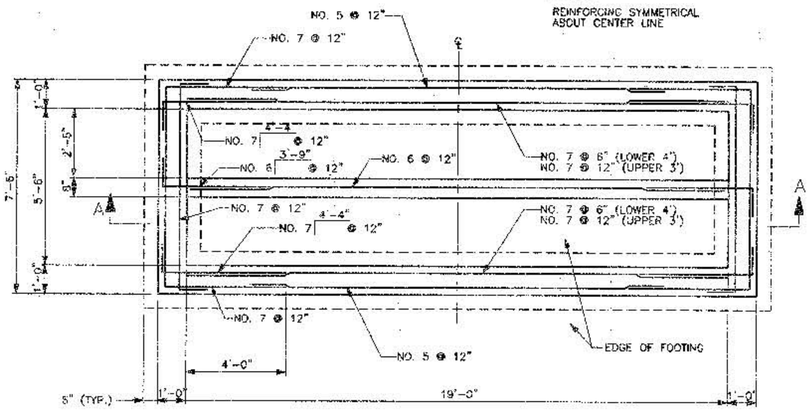
   72 PCF EQUIVALENT LOADING ON CENTRAL RIB.

   PIPE AND VALVING LOADING ON CENTRAL RIB.

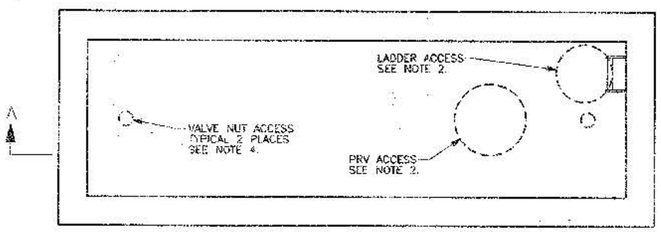
   2000 PSF FOOTING LOAD.
6. BEFORE FABRICATION, VAULT MFR. SHOP DRAWINGS WITH COMPLETE STRUCTURAL AND FOUNDATION CALCULATIONS SHALL BE SUBMITTED TO THE ENGINEER AS SPECIFIED IN THE GENERAL CONDITIONS. VAULT DESIGN SHALL BE IN ACCORDANCE WITH ACI COMMITTEE REPORT 350.

KEYED MECHANICAL NOTES

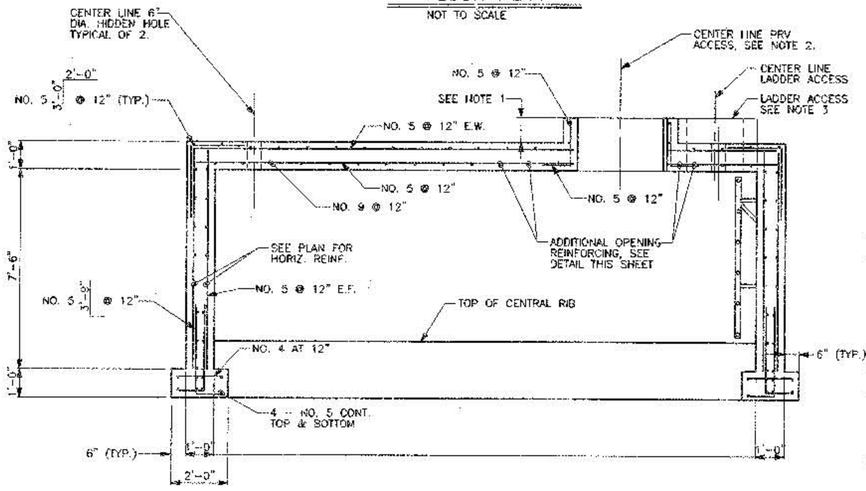
1. VALVE DIMENSIONS AS REQUIRED BY MANUFACTURER. PRATT BFV 4" LAYING LENGTH SHALL BE ACCORDING TO AWWA STANDARDS.
2. PRV DIMENSIONS AS REQUIRED BY MANUFACTURER. CLA-VAL MODEL 90-48 W/ LOW FLOW BY-PASS.
3. AIR / VAC VALVE SHALL BE ATTACHED TO HIGHEST POINT IN PIPE PROFILE.
4. FLOW METERS SHALL BE FLANGED TUBR, PROPELLER TYPE, LIQUID FLOW METERS, AND SHALL INCLUDE INTEGRALLY MOUNTED SIX-(OR MORE) DIGIT TOTALING REGISTERS READING IN GALLONS. METER ACCURACY SHALL BE PLUS OR MINUS 2 PERCENT OF FLOW, MINIMUM OVER A 10:1 FLOW RANGE. MINIMUM METER DIMENSION AS REQUIRED BY MANUFACTURER. SPARLING MODEL PDS-102: LAYING LENGTH 28".



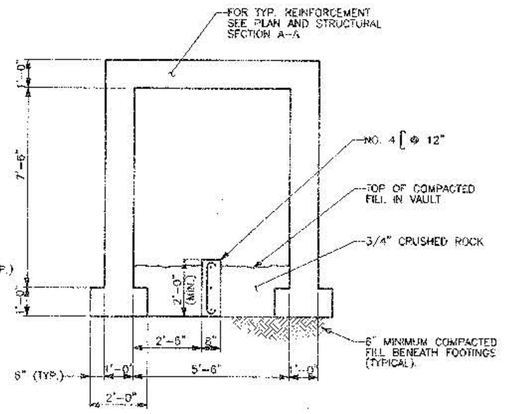
FLOOR PLAN
NOT TO SCALE



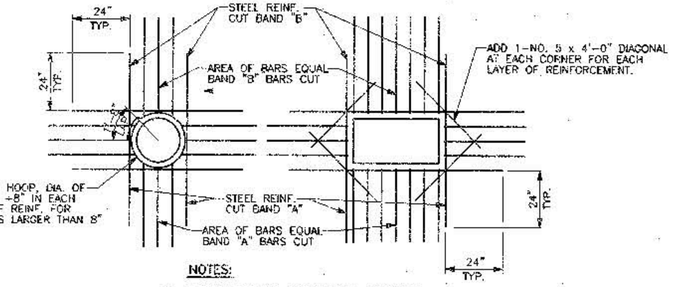
ROOF PLAN
NOT TO SCALE



STRUCTURAL SECTION "A-A"
NOT TO SCALE

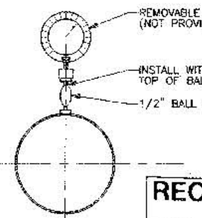


SECTION "B-B"
NOT TO SCALE



NOTES:
1. TYPICAL FOR ALL OPENINGS IN CONCRETE WALLS AND SLABS UNLESS INDICATED OTHERWISE ON PLANS.
2. DO NOT WELD REINFORCEMENT TO PIPE SLEEVES OR INSERTS.

OPENING REINFORCING DETAIL
NOT TO SCALE



REMOVABLE GAUGE DETAIL
NOT TO SCALE

RECORD DRAWING
DATE: 5-3-99

AS-BUILT INFORMATION
CONTRACTOR Construction DATE
STAKED BY EHV DATE 5/99
INSPECTED BY EHV DATE 5/99
FIELD VERIFICATION BY EHV DATE 5/99
CORRECTED BY EHV DATE 5/99

BENCH MARKS
MICRO-FILM INFORMATION
RECORDED BY
DATE
MAP NO.

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
WILLIAM G. PATTON NEW MEXICO REGISTERED PROFESSIONAL ENGINEER 8131
8/26/98

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
DESIGNED BY: K.G.P.		DATE: 8/98	
DRAWN BY: B.S.		DATE: 8/98	
CHECKED BY: K.G.P.		DATE: 8/98	

BOHANNAN-HUSTON INC.
ENGINEERS PLANNERS PHOTOGRAMMETRISTS SURVEYORS LANDSCAPE ARCHITECTS
ALBUQUERQUE LAS CRUCES SANTA FE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: THE OVERLOOK AT HIGH DESERT
PRV DETAIL SHEET

DESIGN REVIEW COMMITTEE | CITY ENGINEER APPROVAL | LAST DESIGN UPDATE | MO./DAY/YR. | MO./DAY/YR.

CITY PROJECT NO. 571285 | ZONE MAP NO. E-23 | SHEET 18 OF 20

BH PROJECT NUMBER: LDR5:[C96107A2440.ACAD]
FILENAME PRV_DTLS.DWG

CONSTRUCTION TRAFFIC CONTROL GENERAL NOTES

1. CONTRACTOR MUST OBTAIN FROM CONSTRUCTION COORDINATION AN EXCAVATION/BARRICADING PERMIT BEFORE ENGAGING IN ANY CONSTRUCTION, MAINTENANCE OR REPAIR WORK IN ANY OF THE CITY OF ALBUQUERQUE'S RIGHTS-OF-WAY. EMERGENCY WORK THAT WOULD PRESERVE LIFE OR PROPERTY IS EXCLUDED WITH THE UNDERSTANDING, THAT A PERMIT SHALL BE OBTAINED WITHIN 24 TO 48 HOURS.

2. CONTRACTOR SHALL AT THE TIME OF PERMIT REQUEST, SUBMIT FOR APPROVAL BY CONSTRUCTION COORDINATION, A TRAFFIC CONTROL PLAN DETAILING ALL EXISTING TOPOGRAPHY SUCH AS LANE WIDTHS, DRIVEWAYS, AND BUSINESS/RESIDENTIAL ACCESSES. THE TRAFFIC CONTROL PLAN SHALL INCLUDE ALL PHASES OF WORK AND SCHEDULES INVOLVED IN THE CONSTRUCTION PROJECT. ANY SEPERATE PHASES OF A CONSTRUCTION PROJECT SHALL BE GIVEN AN INDIVIDUAL PERMIT EACH. BLANKET PERMITS WILL NOT BE ISSUED.

3. THESE TYPICAL TRAFFIC CONTROL PLANS DO NOT REFLECT THE EXISTING TOPOGRAPHY SUCH AS DRIVEWAYS, LANE WIDTHS, AND BUSINESS/RESIDENTIAL ACCESSES. EVERY LOCATION THAT REQUIRES CONSTRUCTION TRAFFIC CONTROL SHALL HAVE A DETAILED TRAFFIC CONTROL PLAN SHOWING ALL EXISTING TOPOGRAPHY.

4. CONSTRUCTION SHALL NOT BEGIN UNLESS A TRAFFIC CONTROL PLAN HAS BEEN APPROVED AND VERIFIED BY CONSTRUCTION COORDINATION.

5. CONSTRUCTION COORDINATION SHALL BE NOTIFIED 48 HOURS PRIOR TO ANY TRAFFIC CONTROL CHANGES NEEDED BY CONTRACTOR, THAT WERE NOT PREVIOUSLY APPROVED. THESE TRAFFIC CONTROL CHANGES SHALL BE REQUESTED IN WRITING ACCOMPANIED WITH A TRAFFIC CONTROL PLAN REFLECTING SUCH CHANGES.

6. ALL CONSTRUCTION TRAFFIC CONTROL DEVICES SHALL COMPLY TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL, SERVICE AND MAINTAIN ALL TRAFFIC CONTROL DEVICES. TRAFFIC CONTROL DEVICES SHALL NOT BE REMOVED OR ALTERED IN ANY WAY WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION, PER SECTION 6A-4 OF THE MUTCD, LATEST EDITION.

7. THE CONSTRUCTION TRAFFIC CONTROL INITIAL SET-UP SHALL BE BY AN AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION (ATSSA) CERTIFIED WORKSITE TRAFFIC SUPERVISOR. THE MAINTENANCE AND SERVICING SHALL ALSO BE DONE BY AN ATSSA CERTIFIED WORKSITE TRAFFIC SUPERVISOR OR EQUIVALENT.

8. CONTRACTOR IS RESPONSIBLE TO MAINTAIN AND SERVICE ALL TRAFFIC CONTROL DEVICES 24 HOURS A DAY, 7 DAYS A WEEK THROUGHOUT LENGTH OF PROJECT. CONTRACTOR IS RESPONSIBLE THAT ALL TRAFFIC CONTROL DEVICES COMPLY WITH THE MUTCD, LATEST EDITION.

9. ALL ADVANCE WARNING SIGNS SHALL BE DOUBLE INDICATED WHENEVER THERE ARE MULTI-LANE TRAFFIC IN ANY ONE GIVEN DIRECTION AND THERE IS SUFFICIENT MEDIAN SPACE.

10. ALL BARRICADES IN ALL TAPERS AND TANGENTS SHALL BE PLACED APART, A DISTANCE MEASURED IN FEET, EQUAL TO THAT OF THE POSTED SPEED LIMIT. NO EXCEPTIONS UNLESS APPROVED BY CONSTRUCTION COORDINATION PER MUTCD SECTION 6A-4.

⚠ 11. ALL WORK IN ARTERIAL ROADWAYS SHALL BE ON A CONTINUOUS 24 HOUR PER DAY BASIS UNTIL COMPLETED.

12. CONTRACTOR IS RESPONSIBLE TO PROVIDE CONSTRUCTION COORDINATION, A WEEKLY LOG OF DAILY INSPECTIONS OF BARRICADE AND MAINTENANCE SCHEDULES ON PROJECTS THAT ARE OVER ONE WEEK DURATION.

13. EQUIPMENT OR MATERIALS SHALL NOT BE STORED WITHIN 15 FEET OF A TRAVELED TRAFFIC LANE DURING NON-WORKING HOURS WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION.

14. CONTRACTOR SHALL PROVIDE AND MAINTAIN A SAFE AND ADEQUATE MEANS OF CHANNELIZING PEDESTRIAN TRAFFIC AROUND AND THROUGH THE CONSTRUCTION AREA.

15. CONTRACTOR IS RESPONSIBLE FOR OBLITERATION OF ANY CONFLICTING STRIPING AND RESPONSIBLE FOR ALL TEMPORARY STRIPING.

16. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL FACILITIES, BUSINESSES AND/OR RESIDENTS AT ALL TIMES.

17. CONTRACTOR SHALL PROVIDE ACCESS SIGNS FOR BUSINESSES LOCATED WITHIN THE CONSTRUCTION AREA UNDER THE SUPERVISION OF CONSTRUCTION COORDINATION. EACH ACCESS SIGN SHALL HAVE 5 INCH, WHITE OPAQUE LETTERING ON BLUE REFLECTORIZED BACKGROUND. ACCESS SIGNS SHALL BE CONSIDERED INCIDENTAL TO THE BID AND NOT PART OF THE CONTRACT UNLESS OTHERWISE STATED. NO MORE THAN 3 BUSINESSES SHALL BE LISTED ON A ACCESS SIGN. SHOPPING CENTERS AND MALLS SHALL BE LISTED AS SUCH

18. ALL ADVANCE WARNING SIGNS SHALL MEET THE MINIMUM REFLECTIVE INTENSITY REQUIREMENTS SET FORTH BY THE CITY OF ALBUQUERQUE CONSTRUCTION COORDINATION SHALL DETERMINE ALL REQUIREMENTS AND APPROVE OR DISAPPROVE ANY ADVANCE WARNING SIGN PER SECTION 6A-4 OF THE MUTCD, LATEST EDITION.

⚠ 19. 48 HOURS PRIOR TO OCCUPYING OR CLOSING OF A RIGHT-OF-WAY, CONTRACTOR SHALL NOTIFY: POLICE, FIRE DEPARTMENT, SCHOOLS, HOSPITALS, TRANSIT AUTHORITY, BUSINESSES AND/OR RESIDENTS THAT WILL BE AFFECTED BY THE CONSTRUCTION.

20. ANY FIELD ADJUSTMENTS SHALL BE APPROVED BY CONSTRUCTION COORDINATION.

21. EXCAVATIONS SHALL BE PLATED, TEMPORARILY PATCHED OR RESURFACED PRIOR TO OPENING OF TRAFFIC. A MINIMUM OF 11 FEET SHALL BE PROVIDED FOR TRAFFIC IN ANY GIVEN DIRECTION. CONTRACTOR IS RESPONSIBLE FOR ANY WORK INVOLVED IN SATISFYING THESE REQUIREMENTS.

22. CONTRACTOR SHALL, AT ALL TIMES COMPLY WITH THE FOLLOWING:
1. STANDARDS AND REQUIREMENTS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
2. THE CITY OF ALBUQUERQUE TRAFFIC CODE, LATEST EDITION.
3. SECTION 19 OF THE CITY OF ALBUQUERQUE'S STANDARD SPECIFICATIONS FOR PUBLIC WORK CONSTRUCTION, AS WELL AS OTHER SECTIONS.

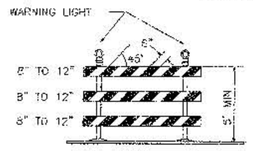
23. FAILURE TO COMPLY WITH ANY OF THE ABOVE MENTIONED, WILL BE ADEQUATE CAUSE TO CEASE ALL WORK ON ANY CONSTRUCTION PROJECT. WORK WILL NOT RESUME UNTIL ALL REQUIREMENTS ARE ADDRESSED AND APPROVED BY CONSTRUCTION COORDINATION.

24. ALL TRAFFIC CONTROL DEVICES SHALL BE KEPT IN NEW-CLEAN CONDITION, WASHING OF EQUIPMENT IS INCIDENTAL TO IT'S PLACEMENT AND MAINTENANCE.

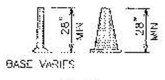
25. TRAFFIC CONTROL STANDARDS APPLY ONLY WHERE THE CONSTRUCTION TRAFFIC CONTROL PLANS ARE NOT SPECIFIC.

⚠ 26. ADVANCE WARNING SIGNS SHALL BE 36"x36" MIN. WITH SUPER ENGINEERING GRADE SHEETING OR BETTER. MOUNTING HEIGHT AT TOP OF SIGN SHALL BE THE SAME AS FOR A 48" SIGN AS INDICATED IN THE M.U.T.C.D.

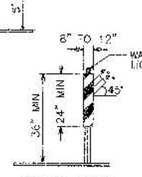
⚠ 27. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORKSITE. ALL GRAFFITI SHALL BE PROMPTLY REMOVED FROM ALL EQUIPTMENT, BOTH PERMANENT AND TEMPORARY.



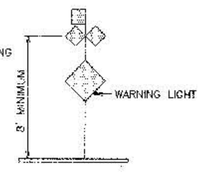
TYPE III BARRICADE



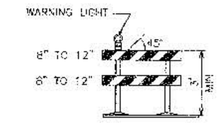
CONES



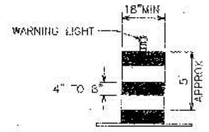
VERTICAL PANEL



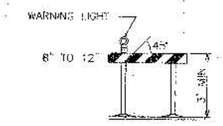
HIGH LEVEL WARNING DEVICE



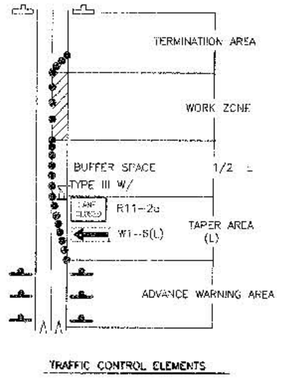
TYPE II BARRICADE COLLAPSIBLE



BARREL



TYPE I BARRICADE COLLAPSIBLE



TRAFFIC CONTROL ELEMENTS

LEGEND

	WORK AREA
•	BARRICADE – TYPE I, TYPE II, OR BARREL
⊤	BARRICADE – TYPE III
X	VERTICAL PANEL
	WARNING SIGN
D	DISTANCE BETWEEN SIGNS – A DISTANCE MEASURED IN FEET EQUAL TO A VALUE OF TEN TIMES THE SPEED LIMIT OF THE STREET
	FLAGMAN POSITION
S	SPACING BETWEEN BARRICADES – A DISTANCE MEASURED IN FEET EQUAL TO THE STREET LIMIT OF THE STREET
L	TAPER LENGTH – SEE CHART BELOW

THE TANGENT LENGTH IS EQUAL TO THE TAPER LENGTH FOR A GIVEN STREET.

TAPER REQUIREMENT

SPEED LIMIT (MPH)	TAPER LENGTH(L) (FEET) 10' LANE	11' LANE	12' LANE	MINIMUM NUMBER OF DEVICES FOR TAPER	MAXIMUM DEVICE SPACING IN FEET ALONG TAPER	AFTER TAPER
20	70	75	80	5	20	20
25	105	115	125	6	25	25
30	150	165	180	7	30	30
35	205	225	245	8	35	35
40	270	295	320	9	40	40
45	450	495	540	13	45	45
50	500	550	600	13	50	50
55	550	605	660	13	55	55

RECOMMENDED SIGN SPACING(D) FOR ADVANCE WARNING SIGN SERIES

SPEED MILES PER HOUR	MINIMUM DISTANCE IN FEET BETWEEN SIGNS	FROM LAST SIGN TO TAPER
0-20	10 X SPEED LIMIT	10 X SPEED LIMIT
25-30	10 X SPEED LIMIT	10 X SPEED LIMIT
30-35	10 X SPEED LIMIT	10 X SPEED LIMIT
40-45	10 X SPEED LIMIT	10 X SPEED LIMIT
50-60	10 X SPEED LIMIT	10 X SPEED LIMIT

TAPER CRITERIA

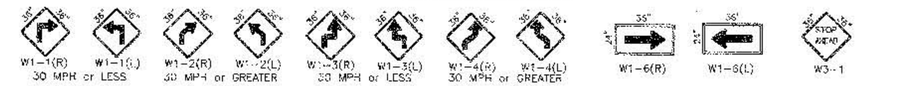
TYPE OF TAPER	TAPER LENGTH
UPSTREAM TAPER:	
MERGING TAPER	L MINIMUM
SHIFTING TAPER	1/2 L MINIMUM
SHOULDER TAPER	1/2 L MINIMUM
TWO-WAY TRAFFIC TAPER	100 FEET MAXIMUM
DOWNSTREAM TAPERS	100 FEET PER LANE

TAPER LENGTH COMPUTATION

SPEED LIMIT	
40 MPH OR LESS	$L = \frac{WS^2}{60}$
40 MPH OR GREATER	$L = W \times S$

L = TAPER LENGTH
W = WIDTH OF OFFSET IN FEET.
S = POSTED SPEED OR OFF-PEAK 85-PERCENTILE SPEED IN MPH

SIGN FACE DETAILS



ALL CONSTRUCTION WARNING SIGNS SHALL HAVE A BLACK LEGEND ON A ORANGE BACKGROUND.

RECORD DRAWING
DATE: 5-3-99

AS-BUILT INFORMATION
CONTRACTOR: Universal
STAKED BY: BH DATE 5/99
INSPECTOR'S NOTES RECEIVED BY: BH DATE 5/99
FIELD VERIFICATION BY: BH DATE 5/99
MARKED BY: BH DATE 5/99
CORRECTED BY: BH DATE 5/99

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES BY DATE

MICRO-FILM INFORMATION
RECORDED BY
DATE
NO.

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
1	9/25/97	ADD NOTE NO. 27	J.D.L
2	9/24/97	REVISED NOTE NO. 26	J.D.L
3	9/24/97	REVISED NOTE NO. 19	J.D.L
4	9/24/97	REVISED NOTE NO. 11	J.D.L

DESIGN
DESIGNED BY BOHANNAN HUSTON DATE 5-97
DRAWN BY BOHANNAN HUSTON DATE 5-97
CHECKED BY BOHANNAN HUSTON DATE 5-97

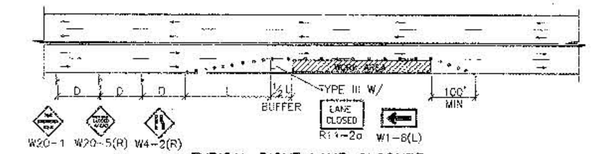
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: TRAFFIC CONTROL
SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS

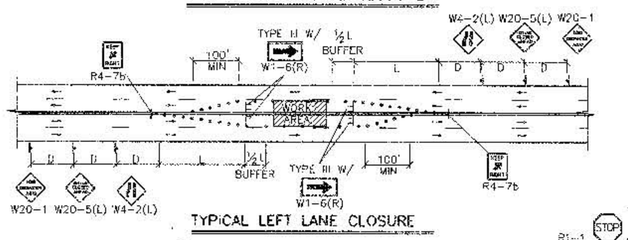
DESIGN REVIEW COMMITTEE | CITY ENGINEER APPROVAL | LAST DESIGN UPDATE | MO./DAY/YR. | MO./DAY/YR.

CITY PROJECT NO. 571285 | ZONE MAP NO. E-23 | SHEET 19 OF 20

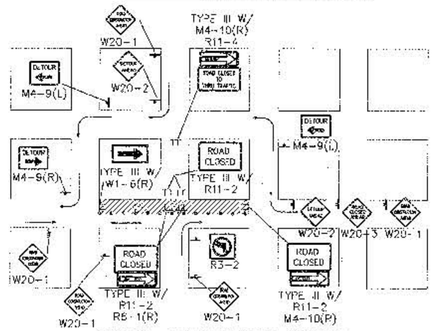
C:\TRAFFIC.DWG 9 28 98



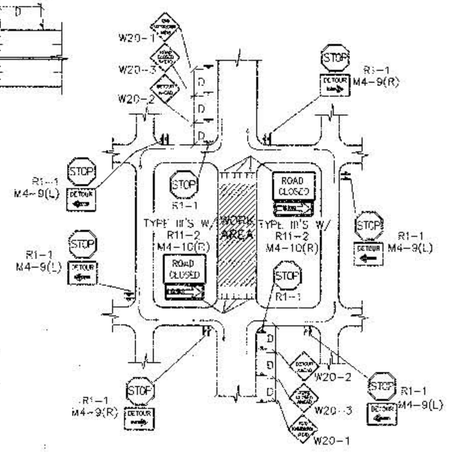
TYPICAL RIGHT LANE CLOSURE



TYPICAL LEFT LANE CLOSURE



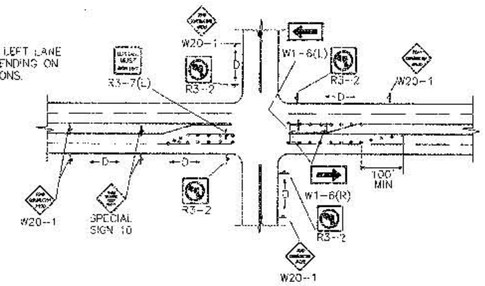
TYPICAL ONE DIRECTION DETOUR



TYPICAL STREET CLOSURE

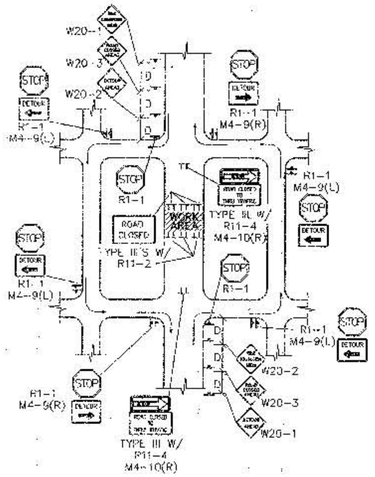
NOTE: (R1-1) BASED ON FIELD CONDITIONS.

NOTE:
MAY REQUIRE LEFT LANE CLOSURE DEPENDING ON FIELD CONDITIONS.



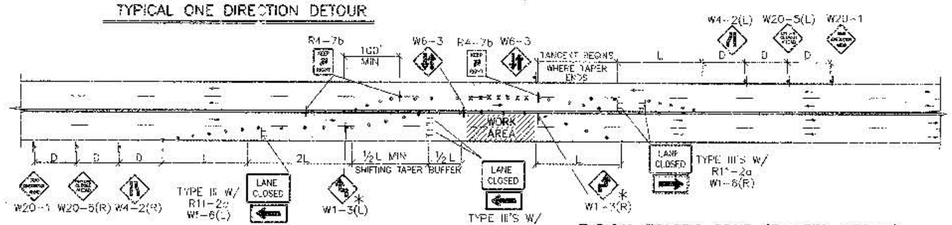
TYPICAL LANE CLOSURE AT INTERSECTION

NOTE: DEPENDING ON WORK ZONE LOCATION.

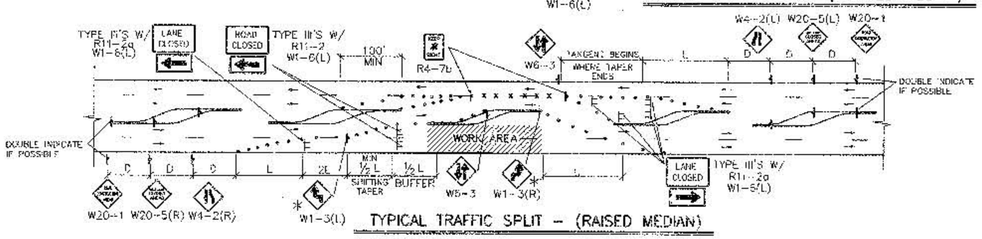


TYPICAL MID-BLOCK CLOSURE

NOTE: (R1-1) BASED ON FIELD CONDITIONS.



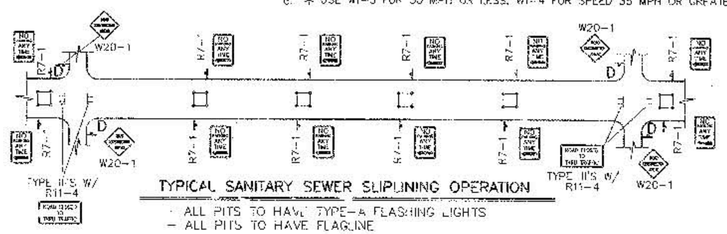
TYPICAL TRAFFIC SPLIT-(PAINTED MEDIAN)



TYPICAL TRAFFIC SPLIT – (RAISED MEDIAN)

TRAFFIC SPLIT NOTES:

1. THE OFFSET DISTANCE MUST BE CALCULATED IN ALL SHIFTING TAPERS. THE OFFSET DISTANCES SHALL INCLUDE LANE WIDTHS PLUS MEDIAN WIDTHS
2. 1/2 L IS THE MINIMUM DISTANCE FOR SHIFTING TAPERS.
3. REVERSE CURVES MAY BE IMPLEMENTED. ALL CURVE DATA SHALL BE CALCULATED
4. MEDIAN REMOVAL SHALL BE REQUIRED IF 1/2 L OR REVERSE CURVE IS NOT SUFFICIENT. MEDIAN REMOVAL SHALL TAKE PLACE BEFORE SPLITS.
5. REDUCED SPEED MAY BE CONSIDERED.
6. * USE W1-3 FOR 30 MPH OR LESS, W1-4 FOR SPEED 35 MPH OR GREATER.



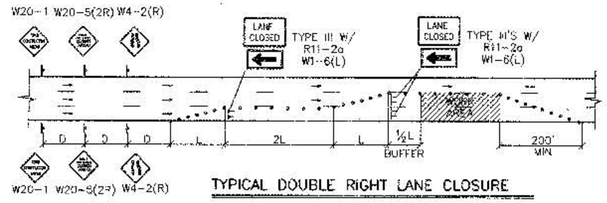
TYPICAL SANITARY SEWER SLIPLINING OPERATION

- ALL PITS TO HAVE TYPE-A FLASHING LIGHTS
- ALL PITS TO HAVE FLAGLINE

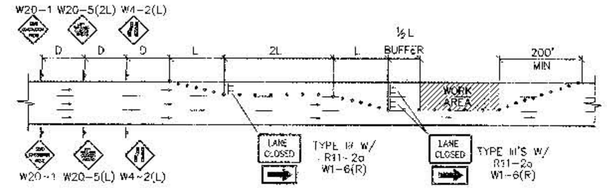
GENERAL NOTE:

ALL CONSTRUCTION WARNING SIGNS SHALL HAVE A BLACK LEGEND ON A ORANGE BACKGROUND.

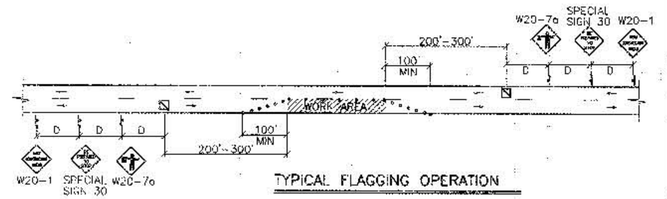
⚠ ALL ADVANCE WARNING SIGNS SHALL BE A MINIMUM OF 36" THIRTY SIX INCHES BY 36" THIRTY SIX INCHES IN SIZE AND SHALL HAVE ONE WARNING LIGHT.



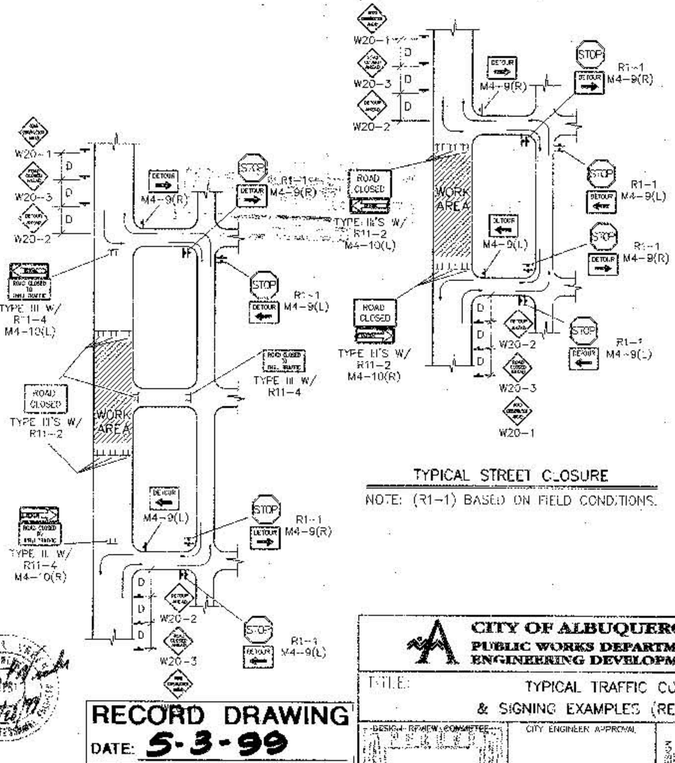
TYPICAL DOUBLE RIGHT LANE CLOSURE



TYPICAL DOUBLE LEFT LANE CLOSURE

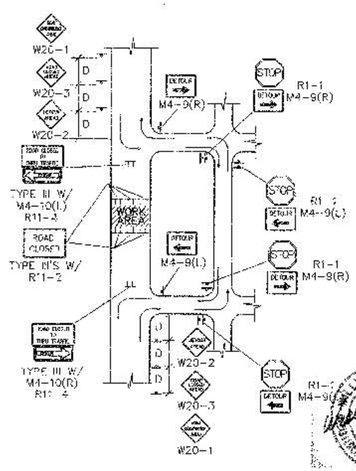


TYPICAL FLAGGING OPERATION



TYPICAL STREET CLOSURE

NOTE: (R1-1) BASED ON FIELD CONDITIONS.



TYPICAL STREET CLOSURE

NOTE: (R1-1) BASED ON FIELD CONDITIONS.

RECORD DRAWING
DATE: 5-3-99

AS-BUILT INFORMATION
CONTRACTOR: Universal
DRAWN BY: BH DATE: 5/99
INSPECTED BY: BH DATE: 5/99
AS-BUILTED BY: BH DATE: 5/99
VERIFICATION BY: BH DATE: 5/99
COMPLETED BY: BH DATE: 5/99

BENCH MARKS
MICRO-FILM INFORMATION
RECORDED BY
DATE
NO.

SURVEY INFORMATION
FIELD NOTES
NO. DATE BY

ENGINEER'S SEAL
KEVIN B. PATTON NEW MEXICO 10277 REGISTERED PROFESSIONAL ENGINEER
5/3/99

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
1	8/24/97	REVISED GENERAL NOTE	J.D.L.

DESIGNED BY BOHANNAN HUSTON DATE 5-97
DRAWN BY BOHANNAN HUSTON DATE 5-97
CHECKED BY BOHANNAN HUSTON DATE 5-97

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: TYPICAL TRAFFIC CONTROL & SIGNING EXAMPLES (REF M.U.T.C.D.)

DESIGN REVIEW COMMITTEE | CITY ENGINEER APPROVAL | LAST DESIGN UPDATE | MO./DA./YR. | MO./DAY/YR.

CITY PROJECT NO. 571285 | ZONE MAP NO. E-23 | SHEET 20 | OF 20