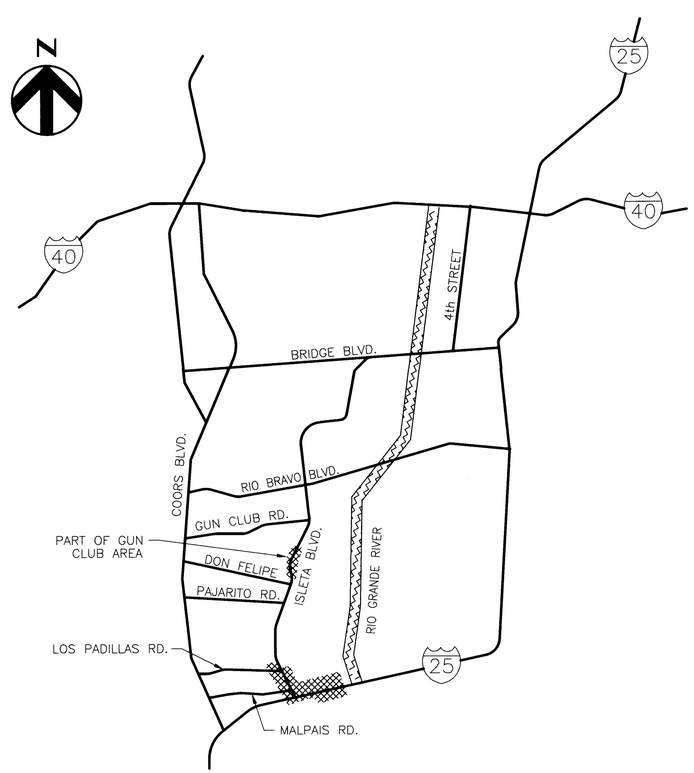
CITY OF ALBUQUERQUE, NEW MEXICO
PUBLIC WORKS DEPARTMENT
UTILITIES DIVISION

CONSTRUCTION PLANS
FOR

SOUTH VALLEY SEWER EXTENSIONS, PHASE IIA
LOS PADILLAS AREA
VACUUM COLLECTION SYSTEM

CITY PROJECT NO. 4687.91



38 sheets in this set HRD 11/14/96

APPROVAL OF AS BUILT DRAWINGS
CHIEF CONSTRUCTION ENGINEER
DATE 11/18/96

"AS RECORDED"
From Information provided by the contractors
By ____ Date 3/26/96

26-4687.91G3097

REVISIONS SHEET	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
APPROVAL OF REVISIONS						

APPROVED FOR CONSTRUCTION

BERNALILLO COUNTY — DATE 12-19-94

CITY OF ALBUQUERQUE — DATE 12/12/94

WILLIAM F. ZIMMERMAN NEW MEXICO 8081 REGISTERED PROFESSIONAL ENGINEER 2/26/96

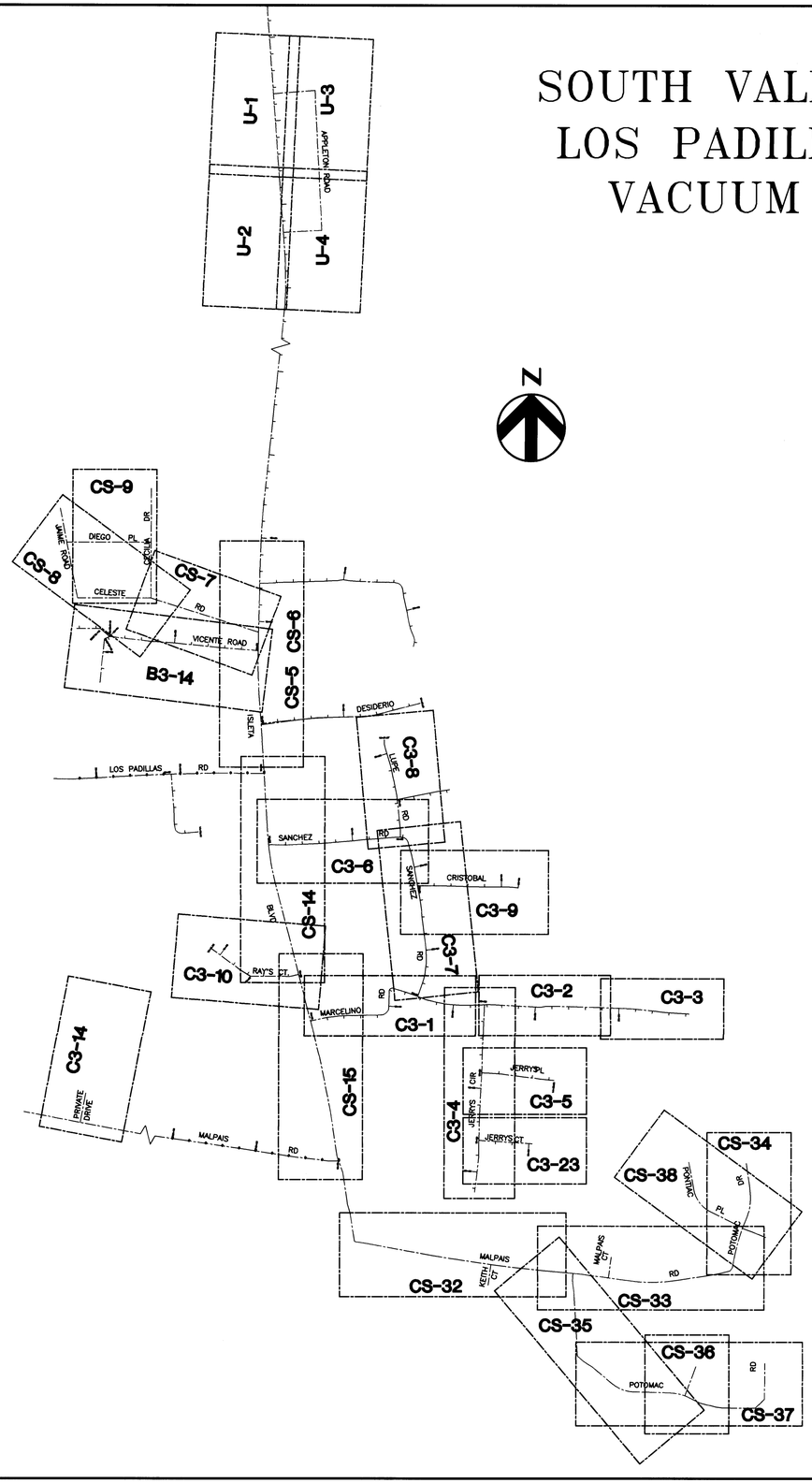
PROJECT NO. 4687.91

HDR Engineering, Inc.

SHEET COVER

D:\ACAD\LOSPAD\LPIIA\COVER2A Tue Feb 27 16:21:59 1996

SOUTH VALLEY SEWER EXTENSIONS
LOS PADILLAS AREA – PHASE IIA
VACUUM COLLECTION SYSTEM



Cover	COVER SHEET
G3–1	SHEET INDEX
G3–2	GENERAL NOTES
G–2	OVERALL COLLECTION SYSTEM PLAN
B3–14	VICENTE ROAD S.W.
C3–1	MARCELINO ROAD (PART 1)
C3–2	MARCELINO ROAD (PART 2)
C3–3	MARCELINO ROAD (PART 3)
C3–4	JERRY'S CIRCLE
C3–5	JERRY'S PLACE
C3–6	SANCHEZ ROAD (PART 1)
C3–7	SANCHEZ ROAD (PART 2)
C3–8	LUPE ROAD / ENTRADA
C3–9	CRISTOBAL ROAD
C3–10	RAY'S COURT
C3–14	PRIVATE DRIVE C4
C3–23	JERRY'S COURT
CS–5	ISLETA BLVD. (EAST SIDE)
CS–6	ISLETA BLVD. (WEST SIDE)
CS–7	CELESTE ROAD
CS–8	CELESTE ROAD / JAIME DRIVE
CS–9	CECILIA DRIVE / DIEGO PLACE
CS–14	ISLETA BLVD. (EAST SIDE)
CS–15	ISLETA BLVD. (EAST SIDE)
CS–32	MALPAIS ROAD / KEITH COURT
CS–33	MALPAIS ROAD & MALPAIS COURT
CS–34	POTOMAC DRIVE
CS–35	POTOMAC ROAD
CS–36	POTOMAC ROAD
CS–37	POTOMAC ROAD
CS–38	PONTIAC PLACE
U1–U4	GUN CLUB CHANGE ORDER SHEETS
1, 2, 3 OF 3	STANDARD DETAIL SHEETS

"AS RECORDED"
From Information provided by the contractors
By [illegible] Date 2/26/96

AS BUILT INFORMATION
CONTRACTOR TRIAD DATE 10/95
WORK STAKED BY BALLEW/WILSON DATE 10/95
ACCEPTANCE BY WILSON & CO. DATE 11/95
FIELD VERIFICATION BY WILSON & CO. DATE 10/95
DRAWINGS CORRECTED BY HDR ENGINEERING DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
From centerline of Pajarito and Isleta, travel North 126' ± to the BM on the West side of the street. The BM is a standard ACS 3 1/4" aluminum cap rivetted to a pipe 0.25' above ground. Cap is stamped "5–R11, 1988".
Spirit Level Elevation – 4912.078 ft.

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
WILLIAM F. ZIMMERMAN
NEW MEXICO
8051
REGISTERED PROFESSIONAL ENGINEER
2/26/96

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY WFZ, TAS, DW DATE DECEMBER 1993
DRAWN BY TAS DATE DECEMBER 1993
CHECKED BY WFZ, LC DATE DECEMBER 1994

1 2 3 4 5 6 7 8 9 10 11 12
26-4687.91G3197

HDR
HDR Engineering, Inc.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVVELOPMENT GROUP

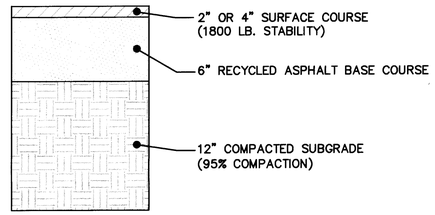
TITLE: SOUTHWEST VALLEY SEWER EXTENSIONS
LOS PADILLAS VACUUM COLLECTION SYSTEM – PHASE IIA
SHEET INDEX

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN			WATER		
TRANSPORTATION			WASTE WATER		
HYDROLOGY					

PROJECT NO. 4687.91 | MAP NO. | SHEET G3–1 OF 2

D:\ACAD\LOSPAD\IIA-INDX Wed Feb 28 08:13:03 1996

PROPOSED	EXISTING	DESCRIPTION
—SAS—	—SAS 8" CP	SANITARY SEWER LINE w/SIZE & TYPE
	▲	PAD MOUNTED TRANSFORMER
	--UG TEL--	UNDERGROUND TELEPHONE
	—G— 2" HP	GAS LINE w/SIZE & TYPE
	—CATV—	CABLE TELEVISION LINE
		GATE VALVE (ISOLATION VALVE)
		FIRE HYDRANT
		REDUCER
		SAS SERVICE CONNECTION
		TEES
		BENDS
		CAPS & PLUGS
GM	GM	GAS METER
PP	PP	POWER POLE
SP	SP	TRAFFIC LIGHT
TC	TC	TRAFFIC CONTROL BOX
		TELEPHONE BOX
		BLOCK WALL
		CHAIN LINK FENCE
		FIELD FENCE
		PROJECT/PHASE BOUNDARY
		RIGHT OF WAY LINES
		PROPERTY LINES (SIDE)
		LIGHT POLE
	△	HORIZ. & VERT. CONTROL
⊗		VACUUM SUMP OR BUFFER TANK

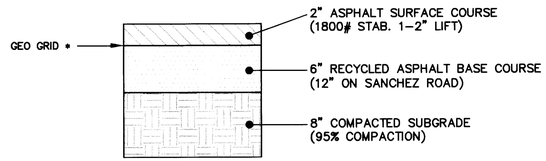


ARTERIAL PAVING SECTION

N.T.S.

USE FOR
ISLETA BOULEVARD (SHOULDERS ONLY)

NOTE: PAYMENT FOR PAVEMENT REMOVAL AND REPLACEMENT WILL BE LIMITED TO 10' WIDTH.

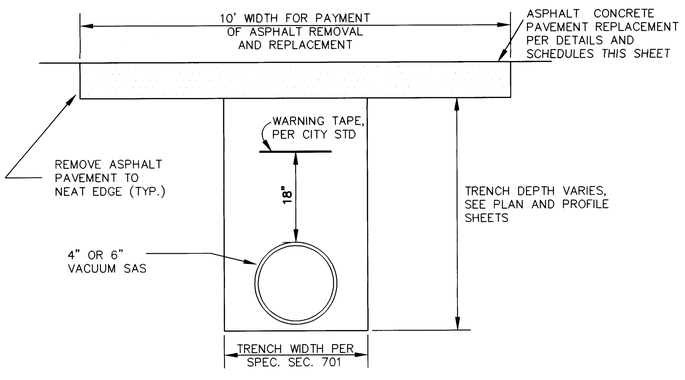


RESIDENTIAL PAVING SECTION

N.T.S.

USE FOR

CELESTE ROAD	JAIME ROAD
MALPAIS COURT	MARCELINO ROAD
MALPAIS ROAD	PONTIAC PLACE
POTOMAC CIRCLE	DIEGO PLACE
*SANCHEZ ROAD	CECILIA ROAD



REFER TO SPECIFICATION SECTION 701 FOR CONSTRUCTION REQUIREMENTS

TYPICAL TRENCH DETAIL

N.T.S.

STREET	SURFACE
MARCELINO ROAD	ASPHALT/GRAVEL
JERRY'S PLACE	GRAVEL
SANCHEZ ROAD	ASPHALT
LUPE ROAD	GRAVEL
CRISTOBAL ROAD	GRAVEL
RAY'S COURT	ASPHALT
ISLETA (WEST SIDE)	ASPHALT
ISLETA (EAST SIDE)	ASPHALT
CELESTE ROAD	ASPHALT
JAIME ROAD	ASPHALT
MALPAIS ROAD	ASPHALT
POTOMAC CIRCLE	ASPHALT
POTOMAC ROAD	GRAVEL/DITCH
POTOMAC PLACE	ASPHALT
DIEGO ROAD	ASPHALT
JERRY'S COURT	GRAVEL
JERRY'S CIRCLE	GRAVEL
CECILIA ROAD	ASPHALT

GENERAL NOTES:

1. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER THIS 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 (REFERRED TO HEREAFTER AS THE STANDARD SPECIFICATIONS), THE LATEST VERSION OF THE BERNALILLO COUNTY PUBLIC WORKS STANDARDS, OR AS MODIFIED BY THE PROJECT SPECIFICATIONS TITLED LOS PADILLAS VACUUM COLLECTION SYSTEM, WHICHEVER IS MORE STRINGENT.

2. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT N.M. ONE-CALL SYSTEM, 260-1990, FOR LOCATION OF EXISTING UTILITIES.

3. THE CONTRACTOR SHALL EXERCISE CARE TO AVOID DISTURBING EXISTING UNDERGROUND UTILITIES. IT SHALL BE HIS RESPONSIBILITY TO COORDINATE WITH THE UTILITY COMPANIES IN ORDER TO PREVENT ANY SERVICE DISRUPTION.

4. 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 SO THAT THE CONFLICT CAN BE RESOLVED WITH MINIMUM AMOUNT OF DELAY.

5. RELOCATION OF EXISTING UTILITIES AND THE INSTALLATION OF NEW UTILITY LINES WILL BE COMPLETED IN ADVANCE OF STARTING THE PAVEMENT WORK. TEMPORARY PAVEMENT WILL BE PLACED IN ALL TRENCHES REQUIRED FOR THE UTILITY REPLACEMENTS IN THOSE AREAS THAT MUST MAINTAIN TRAFFIC UNTIL THE PAVEMENT WORK STARTS IN EACH AREA. PAVEMENT REPLACEMENT MUST BEGIN WITHIN SEVEN (7) DAYS OF TRENCH CLOSURE. TEMPORARY STRIPING SHALL BE THE CONTRACTOR'S RESPONSIBILITY.

6. ALL NEW STREET PAVING ABUTTING EXISTING AREAS SHALL MATCH THE ELEVATIONS OF THOSE AREAS.

7. CONTRACTOR SHALL PROVIDE A WEEKLY CONSTRUCTION ACTIVITY SCHEDULE TO BERNALILLO COUNTY PUBLIC WORKS DEPARTMENT, ATTN: HOSS FOSTER.

8. ALL EXCAVATED MATERIAL THAT IS NOT REQUIRED TO BE REUSED MUST BE REMOVED FROM THE PROJECT AREA WITHIN FOUR DAYS OF EXCAVATION. SPOIL PILES WILL BE ALLOWED ONLY AS DIRECTED BY THE ENGINEER.

9. THE CONTRACTOR SHALL COORDINATE HIS CONSTRUCTION ACTIVITIES WITH ALL OTHER CONTRACTORS AND UTILITY COMPANIES WORKING IN THE SAME AREA. THE CONTRACTOR MAY BE REQUIRED TO RESCHEDULE THEIR ACTIVITIES TO ALLOW UTILITY CREWS TO PERFORM THEIR REQUIRED WORK. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR DELAYS OR INCONVENIENCE CAUSED BY UTILITY COMPANY WORK CREWS.

10. WHEN ABUTTING NEW PAVEMENT TO EXISTING, CONTRACTOR SHALL SAW CUT EXISTING PAVEMENT TO A NEAT, STRAIGHT LINE, AS REQUIRED, TO REMOVE ANY BROKEN OR CRACKED PAVEMENT AND MATCH NEW TO EXISTING.

11. CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND DISPOSAL OF ALL DEMOLITION DEBRIS. SALVAGE OF ANY MATERIAL SHALL BE IDENTIFIED BY THE ENGINEER. WORK MATERIALS SHALL BE DISPOSED OF IN CITY APPROVED WASTE AREAS SECURED BY AND AT THE EXPENSE OF THE CONTRACTOR.

12. ALL UTILITY LINES WHICH ARE NOT SPECIFICALLY DESIGNATED TO BE REMOVED AND REPLACED ON THE PLANS SHALL BE MAINTAINED IN SERVICE. SHORING, SHEETING, AND OTHER MEANS OF SUPPORT SHALL BE EMPLOYED BY THE CONTRACTOR TO PREVENT DAMAGE OR LOSS OF THESE EXISTING UTILITIES. BEAM AND CABLE OR OTHER ADEQUATE SUPPORTS SHALL BE USED FOR TEMPORARY SUPPORT OF ALL UTILITY LINES WHICH CROSS THE TRENCH. ANY DAMAGE TO EXISTING UTILITIES SHALL PROMPTLY BE REPAIRED AT THE CONTRACTOR'S EXPENSE. THE ENGINEER WILL BE IMMEDIATELY NOTIFIED OF ANY SIGNIFICANT DEVIATION OF EXPOSED UTILITIES FROM THE LOCATIONS SHOWN ON THE PLANS SO THAT CONFLICTS CAN BE RESOLVED IN A TIMELY MANNER.

13. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ANY DAMAGE TO EXISTING PAVING OR CURB AND GUTTER DURING CONSTRUCTION, APART FROM THOSE SECTIONS INDICATED FOR REMOVAL ON THE PLANS, AND SHALL REPAIR OR REPLACE SAME AT HIS OWN EXPENSE.

14. ALL ABANDONED UTILITY LINES WHICH ARE EXPOSED AS A RESULT OF CONSTRUCTION SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTORS.

15. THE CITY OF ALBUQUERQUE WILL BE RESPONSIBLE FOR PURCHASING THE VACUUM SUMPS. THIS EQUIPMENT WILL BE INSTALLED BY THE CONTRACTOR. THE CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION WITH THE SUPPLEMENTAL STANDARD DRAWINGS CONTAINED IN THE CONTRACT DOCUMENTS.

16. VACUUM SUMP AND BUFFER TANK LOCATIONS SHOWN ON THE PLAN AND PROFILE SHEETS ARE APPROXIMATE AND MAY BE ADJUSTED IN THE FIELD WITH APPROVAL OF THE ENGINEER.

17. VACUUM MAIN LOCATIONS SHOWN ON THE PLAN AND PROFILE SHEETS MAY BE ADJUSTED TO ACCOMMODATE FIELD CONDITIONS IF APPROVED BY THE ENGINEER.

18. VACUUM MAINS SHALL BE CONCRETE ENCASED AT ALL M.R.G.C.D. FACILITY CROSSINGS TO 10 FEET OF EACH SIDE OF THE CROSSING. CONCRETE ENCASEMENT SHALL BE CONSTRUCTED PER CITY STD. DETAIL 2140.

19. CONTRACTOR SHALL BE RESPONSIBLE FOR ACQUIRING ALL PERMITS NECESSARY FOR CONSTRUCTION. PERMITS SHALL BE ACQUIRED A MINIMUM OF TWO WEEKS PRIOR TO CONSTRUCTION. CONTACT HOSS FOSTER, BERNALILLO COUNTY PUBLIC WORKS DEPARTMENT (848-1500) FOR INFORMATION.

20. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL CONTACT THE MIDDLE RIO GRANDE CONSERVANCY DISTRICT (MRGCD) AT 247-0234 TO PROVIDE NOTICE OF THE SCHEDULE FOR CONSTRUCTION AT THE MRGCD FACILITIES. ALL WORK TO BE PERFORMED IN THE MRGCD RIGHT-OF-WAY SHALL BE CLOSELY COORDINATED WITH MRGCD.

21. THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN TO THE COUNTY TRAFFIC CONTROL MANAGER OR TO THE NEW MEXICO STATE HIGHWAY AND TRANSPORTATION DEPARTMENT AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF WORK. TRAFFIC CONTROL PLANS SHALL BE PREPARED IN ACCORDANCE WITH AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION (ATSSA) REQUIREMENTS AND BY ATSSA CERTIFIED PERSONNEL AND MUST BE APPROVED PRIOR TO COMMENCEMENT OF WORK ON THE PROJECT.

GENERAL NOTES:

22. SUBJECT TO THE APPROVED TRAFFIC CONTROL PLAN, AT LEAST ONE LANE SHALL BE OPEN TO TRAFFIC AT ALL TIMES. CONTRACTOR SHALL PROVIDE PROPER SIGNAGE AND FLAGMEN AND SHALL MAINTAIN THE TRAFFIC LANES IN SUCH A MANNER AS TO ASSURE PROPER SAFETY TO THE TRAVELLING PUBLIC ON ALL AFFECTED ROADS. THE CONTRACTOR SHALL PROVIDE ACCESS TO ALL PRIVATE AND PUBLIC PROPERTY AT ALL TIMES, EXCEPT WHEN GRADING, PAVING, EXCAVATION AND BACKFILL OPERATIONS ARE BEING CONDUCTED IMMEDIATELY IN FRONT OF THE PROPERTY, IN WHICH CASE ACCESS WILL NOT BE DENIED FOR MORE THAN 24 HOURS WITHOUT APPROVAL BY THE COUNTY.

23. TRAFFIC LANES PROVIDED DURING CONSTRUCTION SHALL BE MAINTAINED, IN SUCH A CONDITION UNDER ALL WEATHER CONDITIONS, SO AS TO PERMIT THE REASONABLE PASSAGE OF PASSENGER VEHICLES, AND SHALL BE KEPT GRADED AND SMOOTH, AND WATERED SEVERAL TIMES DAILY TO CONTROL DUST.

24. A DAILY TRAFFIC CONTROL LOG SHALL BE MAINTAINED BY THE CONTRACTOR REFLECTING THE TYPES AND LOCATIONS OF ALL TRAFFIC CONTROL DEVICES, SIGNS, BARRICADES, ETC. BEING USED ON THE PROJECT IN COMPLIANCE WITH THE APPROVED TRAFFIC CONTROL PLAN. THIS LOG SHALL BE SUBMITTED TO THE BERNALILLO COUNTY TRAFFIC CONTROL MANAGER UPON COMPLETION OF THE PROJECT CONSTRUCTION WHEN SO REQUESTED BY THE PROJECT OR THE TRAFFIC CONTROL MANAGER.

25. SPECIAL NOTICES:

a. HAND DELIVER SPECIAL NOTICES TO EACH RESIDENCE OR BUSINESS ADJACENT TO THE CONSTRUCTION AREA AND TO OTHERS WHICH MAY BE AFFECTED BY CONSTRUCTION ACTIVITIES. SPECIAL NOTICES ARE TO INFORM RESIDENTS AND BUSINESSES IN WRITING WHENEVER ACCESS, UTILITY SERVICES OR OTHER SERVICES TO THEIR PROPERTY MAY BE IMPAIRED.

b. THE CONTRACTOR SHALL BE RESPONSIBLE FOR:

1. DELIVERY OF SPECIAL NOTICES NOT MORE THAN SEVEN (7) DAYS NOR LESS THAN FOUR (4) DAYS PRIOR TO PHYSICAL CONSTRUCTION THAT WILL AFFECT THE PROPERTY.

2. CORRECTED NOTICES ARE TO BE DELIVERED IF CONSTRUCTION DOES NOT START WITHIN 48 HOURS OF DATE GIVEN IN NOTICE.

3. THE WRITTEN NOTICE IS TO STATE:

- CONTRACTOR'S NAME, ADDRESS AND LOCAL TELEPHONE NUMBER
- NATURE OF WORK TO BE DONE
- TYPE OF DISRUPTION TO EXPECT
- EXPECTED DURATION OF CONSTRUCTION
- CONTRACTOR'S LOCAL PHONE NUMBER TO WHICH EMERGENCY CONDITIONS CAN BE REPORTED DURING NORMAL WORKING HOURS
- CONTRACTOR'S LOCAL PHONE NUMBER TO WHICH EMERGENCY CONDITIONS CAN BE REPORTED DURING NON-WORKING PERIODS.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26-4687.91G3297

AS BUILT INFORMATION

	DATE
CONTRACTOR WORK STAKED BY	
INSPECTOR'S FIELD CHANGE BY	
VERIFICATION BY DRAFTSMAN	
CORRECTED BY	

MICRO-FILM INFORMATION

	DATE
RECORDED BY	
NO.	

BENCH MARKS

From centerline of Pajarito and Isleta, travel North 126' ± to the BM on the West side of the street. The BM is a standard ACS 3 1/4" aluminum cap riveted to a pipe 0.25' above ground. Cap is stamped "5-R11, 1988".

Spirit Level Elevation – 4912.078 ft.

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

WILLIAM F. ZIMMERMAN
NEW MEXICO
9167
PROFESSIONAL ENGINEER
2/26/96

NO.	DATE	REMARKS	BY

REVISIONS

DESIGN

DESIGNED BY P.JB, MHB DATE NOVEMBER 1994
DRAWN BY TAS DATE NOVEMBER 1994
CHECKED BY WZ, MHB DATE NOVEMBER 1994

"AS RECORDED"
From Information provided by the contractors
By: Date 2/26/96

HDR
HDR Engineering, Inc.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

TITLE: SOUTHWEST VALLEY SEWER EXTENSIONS
LOS PADILLAS VACUUM COLLECTION SYSTEM – PHASE IIA
GENERAL NOTES, LEGEND
AND MISCELLANEOUS DETAILS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN			WATER		
TRANSPORTATION			WASTE WATER		
HYDROLOGY					

PROJECT NO.	MAP NO.	SHEET	OF
4687.91	T-11	G3-2	2

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N

PLAN
SCALE: 1"=400'

"AS RECORDED"
From Information provided by the contractors
By [signature] Date 2/26/96

LEGEND

Symbol	Meaning
— — — —	PHASE II
————	PHASE IIA
●	PIT
⋈	VALVE
▶	REDUCER

AS BUILT INFORMATION

CONTRACTOR TRIAD DATE 10/95
WORK STAKED BY BALLEW/WILSON DATE 10/95
INSPECTOR'S ACCEPTANCE BY WILSON DATE 11/95
FIELD VERIFICATION BY WILSON & CO. DATE 10/95
DRAWINGS CORRECTED BY HDR ENGINEERING DATE

MICRO-FILM INFORMATION

RECORDED BY DATE
NO.

BENCH MARKS

From centerline of Pajarito and Isleta, travel North 126' ± to the BM on the West side of the street. The BM is a standard ACS 3 1/4" aluminum cap rivetted to a pipe 0.25' above ground. Cap is stamped "5-R11, 1988".
Spirit Level Elevation — 4912.078 ft.

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

WILLIAM F. ZIMMERMAN
NEW MEXICO
8051
REGISTERED PROFESSIONAL ENGINEER
2/26/96

REMARKS / REVISIONS

NO.	DATE	REMARKS	BY

DESIGN

DESIGNED BY	WFZ, TAS, DW	DATE DECEMBER 1993
DRAWN BY	TAS	DATE DECEMBER 1993
CHECKED BY	WFZ, LC	DATE DECEMBER 1994

HDR
HDR Engineering, Inc.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVVELOPMENT GROUP

TITLE: SOUTHWEST VALLEY SEWER EXTENSIONS
LOS PADILLAS VACUUM COLLECTION SYSTEM – PHASE IIA
OVERALL COLLECTION SYSTEM PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN			WATER		
TRANSPORTATION			WASTE WATER		
HYDROLOGY					

PROJECT NO.	MAP NO.	SHEET	OF
4678.91		G-2	

26-4687.91 G297

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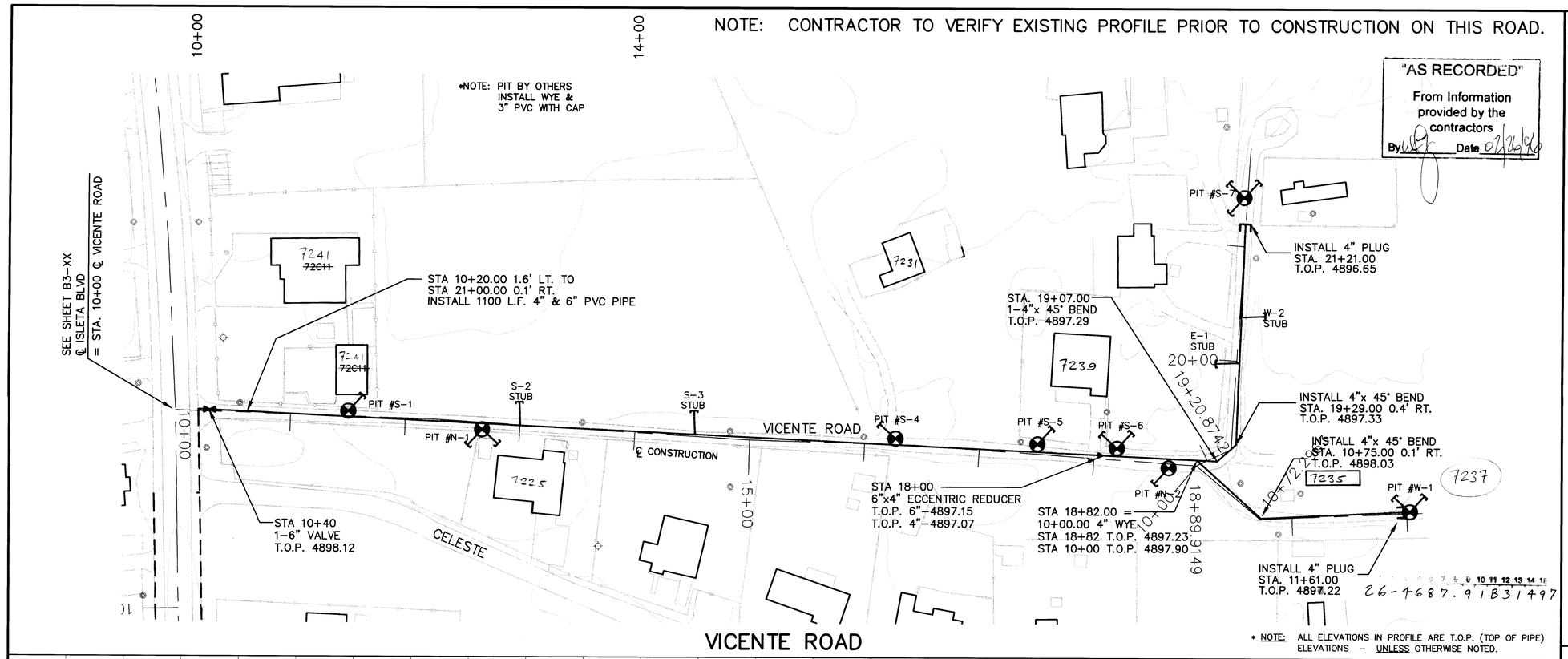
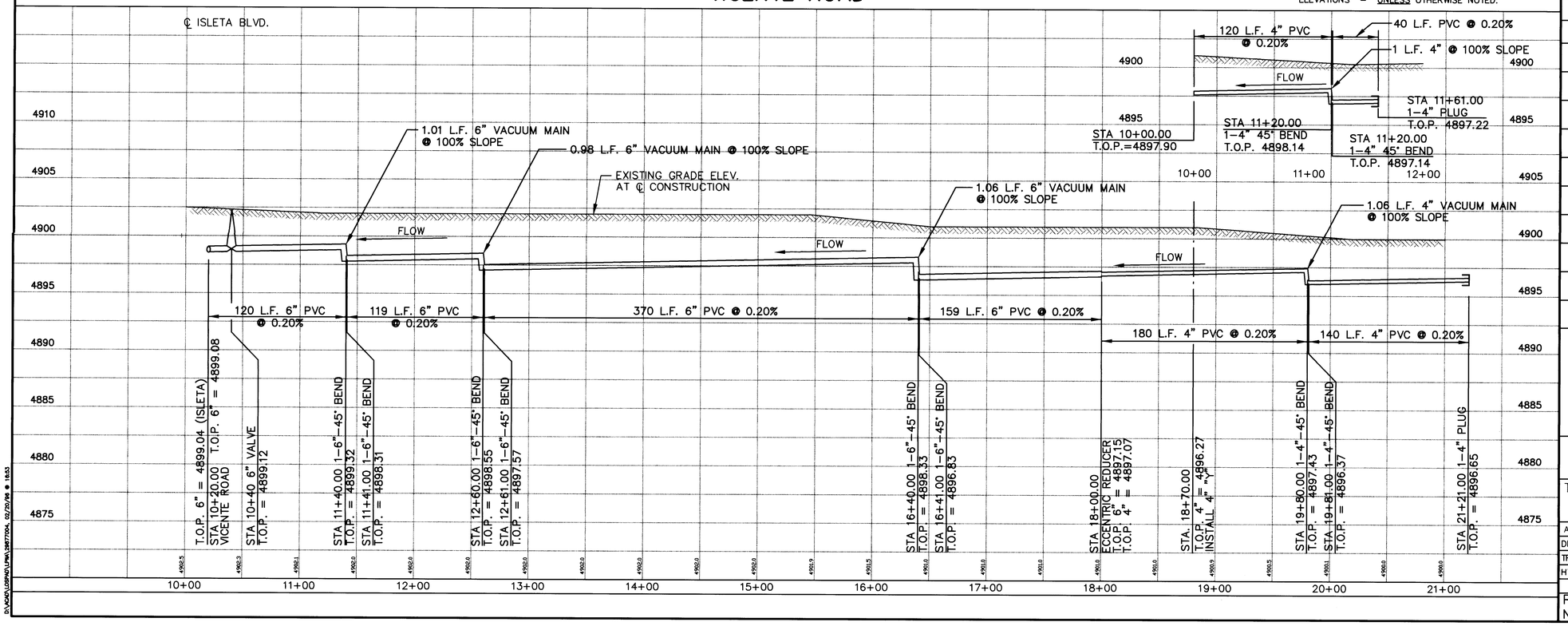
NOTE: CONTRACTOR TO VERIFY EXISTING PROFILE PRIOR TO CONSTRUCTION ON THIS ROAD.



VICENTE ROAD

* NOTE: ALL ELEVATIONS IN PROFILE ARE T.O.P. (TOP OF PIPE) ELEVATIONS – UNLESS OTHERWISE NOTED.



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PLAN SCALE: 1"=50'

PROFILE SCALE: 1"=50' HOR 1"=5' VERT

N

LEGEND

- STUB
- VALVE PIT
- WATER METER OR WELL PUMP
- FLOW DIRECTION
- MISCELANEOUS UTILITY
- PLUG OR CAP
- CROSS SECTION OF CULVERT
- VACUUM SEWER PIPE
- LIGHT POLE
- ELECTRICAL POLE
- ELECTRICAL TRANSFORMER PAD
- ISOLATION VALVE (PROFILE)
- ISOLATION VALVE (PLAN)

SEWER SERVICE SCHEDULE

STATION	ADDRESS	PIT NO.
11+50	7241 ISLETA BLVD.	S-1
12+67	7225 ISLETA BLVD.	N-1
*	VACANT LOT	STUB S-2
*	VACANT LOT	STUB S-3
16+26.50	VICENTE RD	S-4
17+50	VICENTE RD	S-5
18+15	VACANT LOT	S-6
19+44	VACANT LOT	STUB E-1
20+16	VACANT LOT	STUB W-2
3+20	VICENTE RD	S-7
18+65	VICENTE RD	N-2
1+95	SIDE STREET	W-1

HDR

HDR Engineering, Inc.

AS BUILT INFORMATION

CONTRACTOR TRIAD DATE 10/95
WORK STAKED BY BALLEW/WILSON DATE 03/95
INSPECTOR'S ACCEPTANCE BY WILSON & CO. DATE 11/95
FIELD VERIFICATION BY WILSON & CO. DATE 10/95
DRAWINGS CORRECTED BY HDR ENGINEERING DATE
MICRO-FILM INFORMATION DATE
RECORDED BY DATE
NO.

BENCH MARKS

From centerline of Pajarito and Isleta, travel North 126' ± to the BM on the West side of the street. The BM is a standard ACS 3 1/4", aluminum cap rivetted to a pipe 0.25' above ground. Cap is stamped "5-R11, 1988".

Spirit Level Elevation – 4912.078 ft.

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

WILLIAM F. ZIMMERMAN
NEW MEXICO
8051
REGISTERED PROFESSIONAL ENGINEER
07/26/96

REMARKS

REVISIONS

NO.	DATE	BY

DESIGN

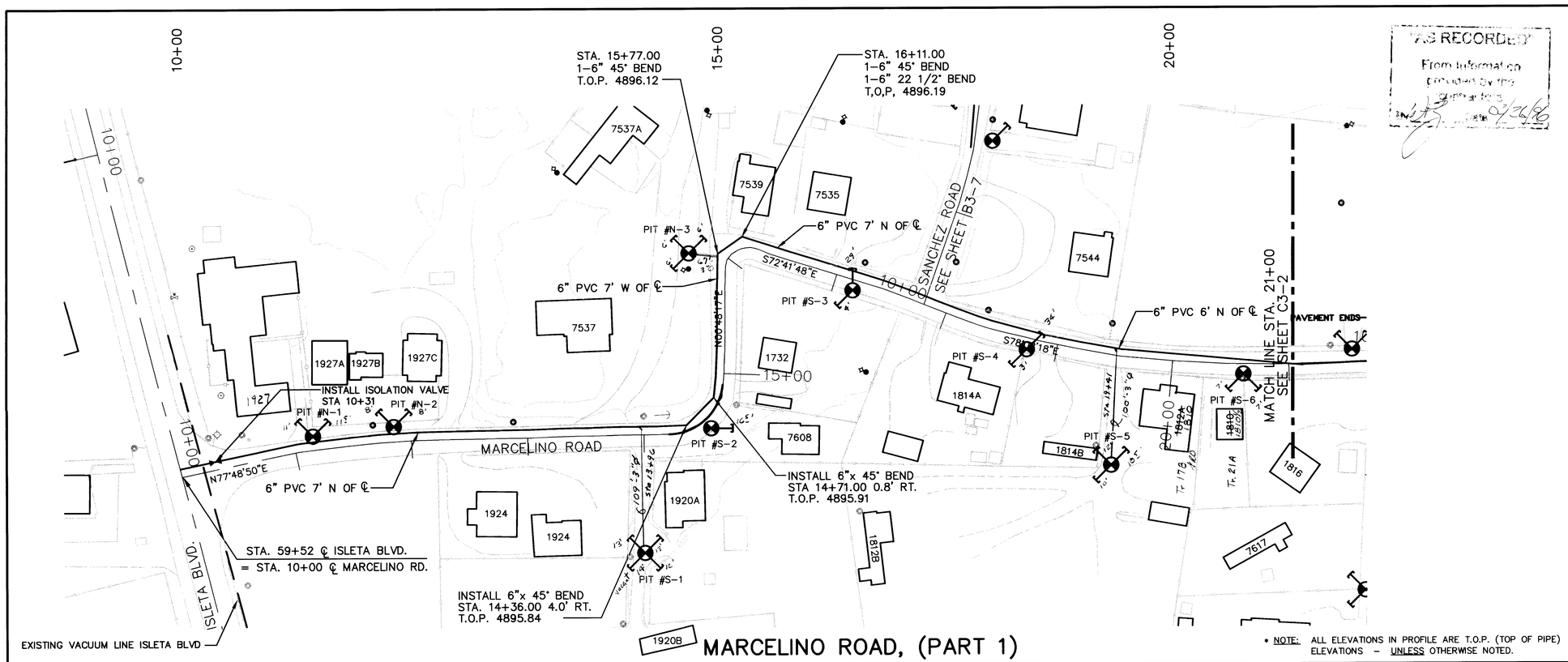
DESIGNED BY WFZ, TAS DATE OCTOBER 1994
DRAWN BY TAS DATE NOVEMBER 1994
CHECKED BY WFZ, LC DATE JUNE 1995

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

TITLE: SOUTHWEST VALLEY SEWER EXTENSIONS
LOS PADILLAS VACUUM COLLECTION SYSTEM – PHASE IIA
VICENTE ROAD (PRIVATE DR. NO.2–EAST OF PRIVATE DR. NO.1)
STATION 10+00 TO STATION 13+80

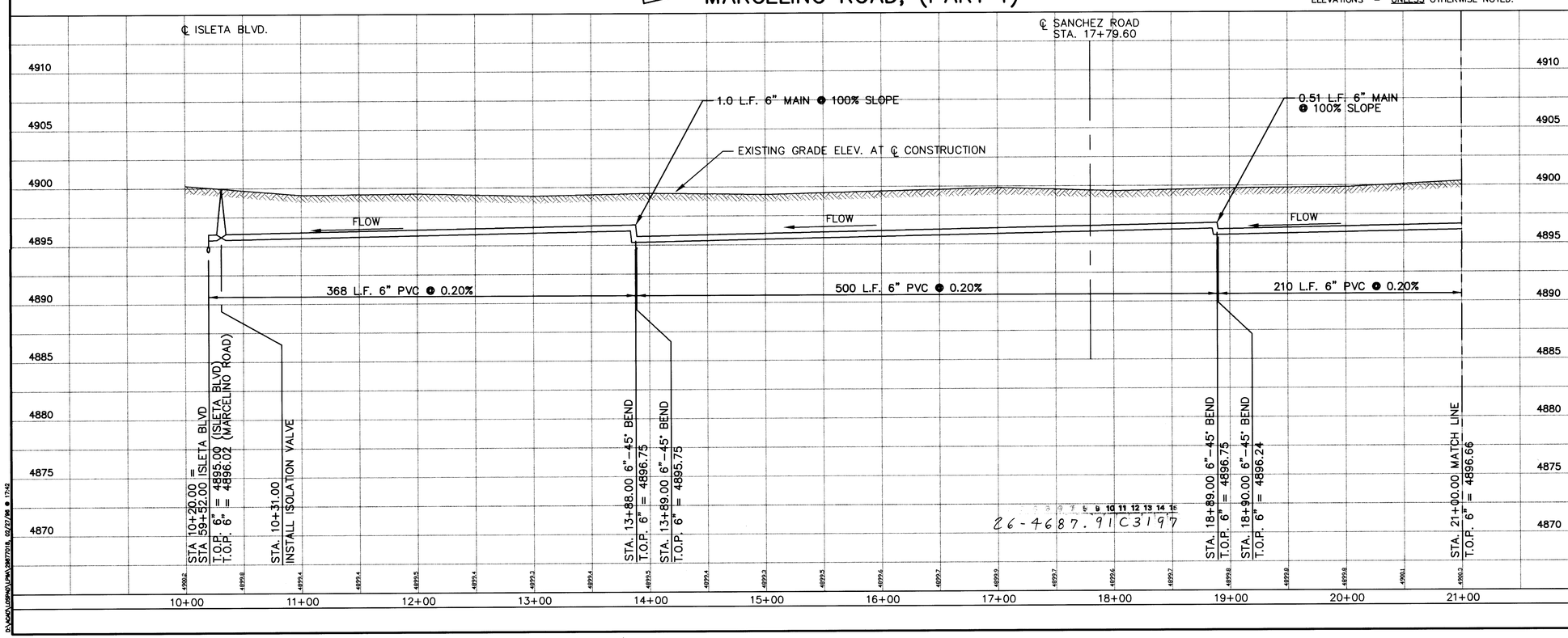
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN			WATER		
TRANSPORTATION			WASTE WATER		
HYDROLOGY					

PROJECT NO.	MAP NO.	SHEET	OF
4687.91	T-11	B3-14	23



MARCELINO ROAD, (PART 1)

* NOTE: ALL ELEVATIONS IN PROFILE ARE T.O.P. (TOP OF PIPE) ELEVATIONS – UNLESS OTHERWISE NOTED.



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D: \ACAD\LOSPAD\LPT1A\26877018 Tue Feb 27 17:44:38 1996

PLAN SCALE: 1"=50'

PROFILE SCALE: 1"=50' HOR 1"=5' VERT

N

LEGEND

- STUB
- VALVE PIT
- WATER METER OR WELL PUMP
- FLOW DIRECTION
- MISCELANEOUS UTILITY
- PLUG OR CAP
- CROSS SECTION OF CULVERT
- VACUUM SEWER PIPE
- LIGHT POLE
- ELECTRICAL POLE
- ELECTRICAL TRANSFORMER PAD
- ISOLATION VALVE (PROFILE)
- ISOLATION VALVE (PLAN)

SEWER SERVICE SCHEDULE

STATION	ADDRESS	PIT NO.
11+11	1927 & 1927A MARCELLINO RD.	N-1
11+84	1927B & 1927C MARCELLINO RD.	N-2
13+91	1924, 1920A, 1920B VACANT LOT	S-1
14+43	7608 MARCELLINO RD.	S-2
15+91	7537, 7537A, 7539 MARCELLINO RD.	N-3
17+18	1732 & 7535 MARCELLINO RD.	S-3
18+75	1814A & 7544 MARCELLINO RD.	S-4
19+42	~~1812A~~ 1812B, 1814B MARCELLINO RD.	S-5
20+49	1816 & 1810½ MARCELLINO RD.	S-6

HDR

HDR Engineering, Inc.

AS BUILT INFORMATION

CONTRACTOR	TRIAD	DATE 10/95
STAKED BY	BALLEW/WILSON	DATE 10/95
INSPECTOR'S ACCEPTANCE BY	WILSON & CO.	DATE 11/95
FIELD VERIFICATION BY	WILSON & CO.	DATE 10/96
DRAWINGS CORRECTED BY	HDR ENGINEERING	DATE

MICRO-FILM INFORMATION

RECORDED BY DATE

NO.

BENCH MARKS

From centerline of Pajarito and Isleta, travel North 126' ± to the BM on the West side of the street. The BM is a standard ACS 3 1/4" aluminum cap rivetted to a pipe 0.25' above ground. Cap is stamped "5-R11, 1988". Spirit Level Elevation – 4912.078 ft.

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

WILLIAM F. ZIMMERMAN NEW MEXICO 8051 REGISTERED PROFESSIONAL ENGINEER

9-26-96

NO.	DATE	REMARKS

REVISIONS

DESIGN

DESIGNED BY WFZ, TAS DATE OCTOBER 1994

DRAWN BY TAS DATE NOVEMBER 1994

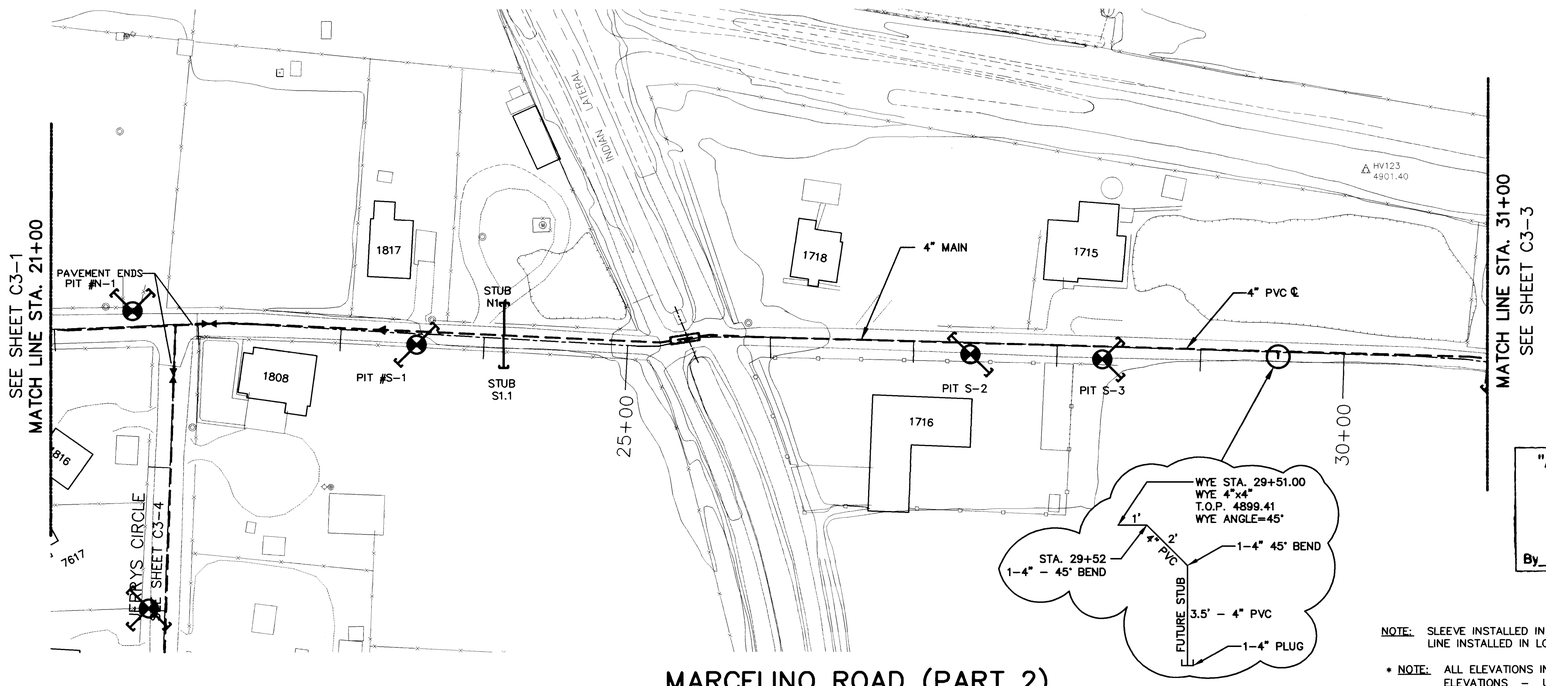
CHECKED BY WFZ, LC DATE JUNE 1995

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

TITLE: SOUTHWEST VALLEY SEWER EXTENSIONS
LOS PADILLAS VACUUM COLLECTION SYSTEM – PHASE IIA
MARCELINO ROAD (PART 1)
STATION 10+00 TO STATION 21+00

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN			WATER		
TRANSPORTATION			WASTE WATER		
HYDROLOGY					

PROJECT NO.	MAP NO.	SHEET	OF
4687.91	T-11	C3-1	10



"AS RECORDED"

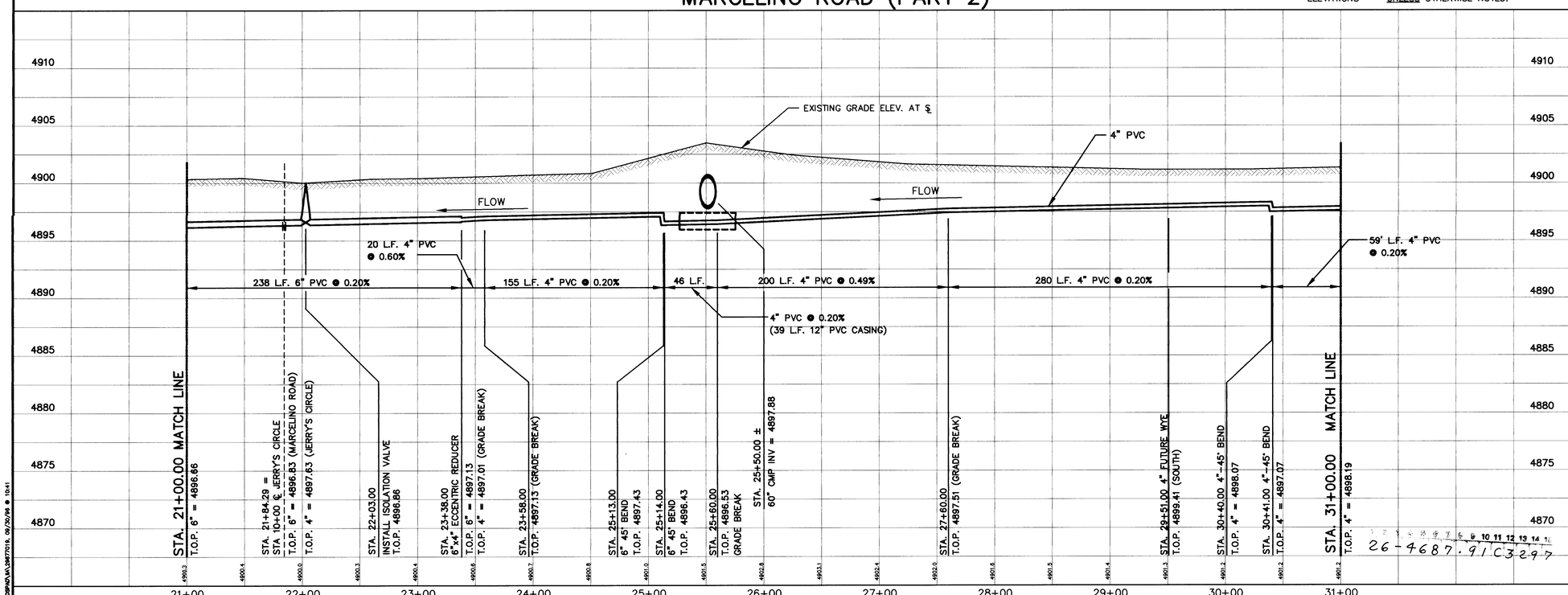
From Information provided by the contractors

By_____Date_____

NOTE: SLEEVE INSTALLED IN GUN CLUB P.N. 4686.90.
LINE INSTALLED IN LOS PADILLAS PHASE IIA P.N. 4687.91.

* NOTE: ALL ELEVATIONS IN PROFILE ARE T.O.P. (TOP OF PIPE) ELEVATIONS – UNLESS OTHERWISE NOTED.

MARCELINO ROAD (PART 2)



PLAN SCALE: 1"=50'

PROFILE SCALE: 1"=50' HOR 1"=5' VERT

N

LEGEND

- STUB
- VP VALVE PIT
- WATER METER OR WELL PUMP
- FLOW FLOW DIRECTION
- MISCELANEOUS UTILITY
- PLUG OR CAP
- CROSS SECTION OF CULVERT
- VACUUM SEWER PIPE
- LIGHT POLE
- ELECTRICAL POLE
- ELECTRICAL TRANSFORMER PAD
- ISOLATION VALVE (PROFILE)
- ISOLATION VALVE (PLAN)

SEWER SERVICE SCHEDULE

STATION	ADDRESS	PIT NO.
23+53	1808 MARCELINO RD.	S-1
23+53	1817 MARCELINO RD.	S-1
24+13	VACANT LOT	STUB S-1.1
27+40	1716 MARCELINO RD.	S-2
27+40	1718 MARCELINO RD.	S-2
28+32	VACANT LOT	S-3
28+32	1715 MARCELINO RD.	S-3
21+55	VACANT LOT	N-1
24+13	VACANT LOT	STUB N-1.1

HDR

HDR Engineering, Inc.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

TITLE: SOUTHWEST VALLEY SEWER EXTENSIONS
LOS PADILLAS VACUUM COLLECTION SYSTEM – PHASE IIA
MARCELINO ROAD (PART 2)
STATION 21+00 TO STATION 31+00

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN			WATER		
TRANSPORTATION			WASTE WATER		
HYDROLOGY					

PROJECT NO.	MAP NO.	SHEET	OF
4687.91	T-11	C3-2	10

AS BUILT INFORMATION

CONTRACTOR	TRIAD	DATE 10/95
WORK STAKED BY	BALLEW/WILSON	DATE 10/95
INSPECTOR'S ACCEPTANCE BY	WILSON & CO.	DATE 11/95
FIELD VERIFICATION BY	WILSON & CO.	DATE 10/95
DRAWINGS CORRECTED BY	HDR ENGINEERING	DATE

MICRO-FILM INFORMATION

RECORDED BY DATE

NO. DATE

BENCH MARKS

From centerline of Pajarito and Isleta, travel North 126' ± to the BM on the West side of the street. The BM is a standard ACS 3 1/4", aluminum cap rivetted to a pipe 0.25' above ground. Cap is stamped "5-R11, 1988".

Spirit Level Elevation – 4912.078 ft.

SURVEY INFORMATION

FIELD NOTES

NO.	DATE	BY

ENGINEER'S SEAL

WILLIAM F. ZIMMERMAN NEW MEXICO 6051 REGISTERED PROFESSIONAL ENGINEER

10/01/96

NO.	DATE	REMARKS	BY

REVISIONS

DESIGN

DESIGNED BY WFZ, TAS DATE OCTOBER 1994
DRAWN BY TAS DATE NOVEMBER 1994
CHECKED BY WFZ, LC DATE JUNE 1995

E:\ACAD\LDSPAD\IIA\29877019 Mon Sep 30 11:15:41 1996

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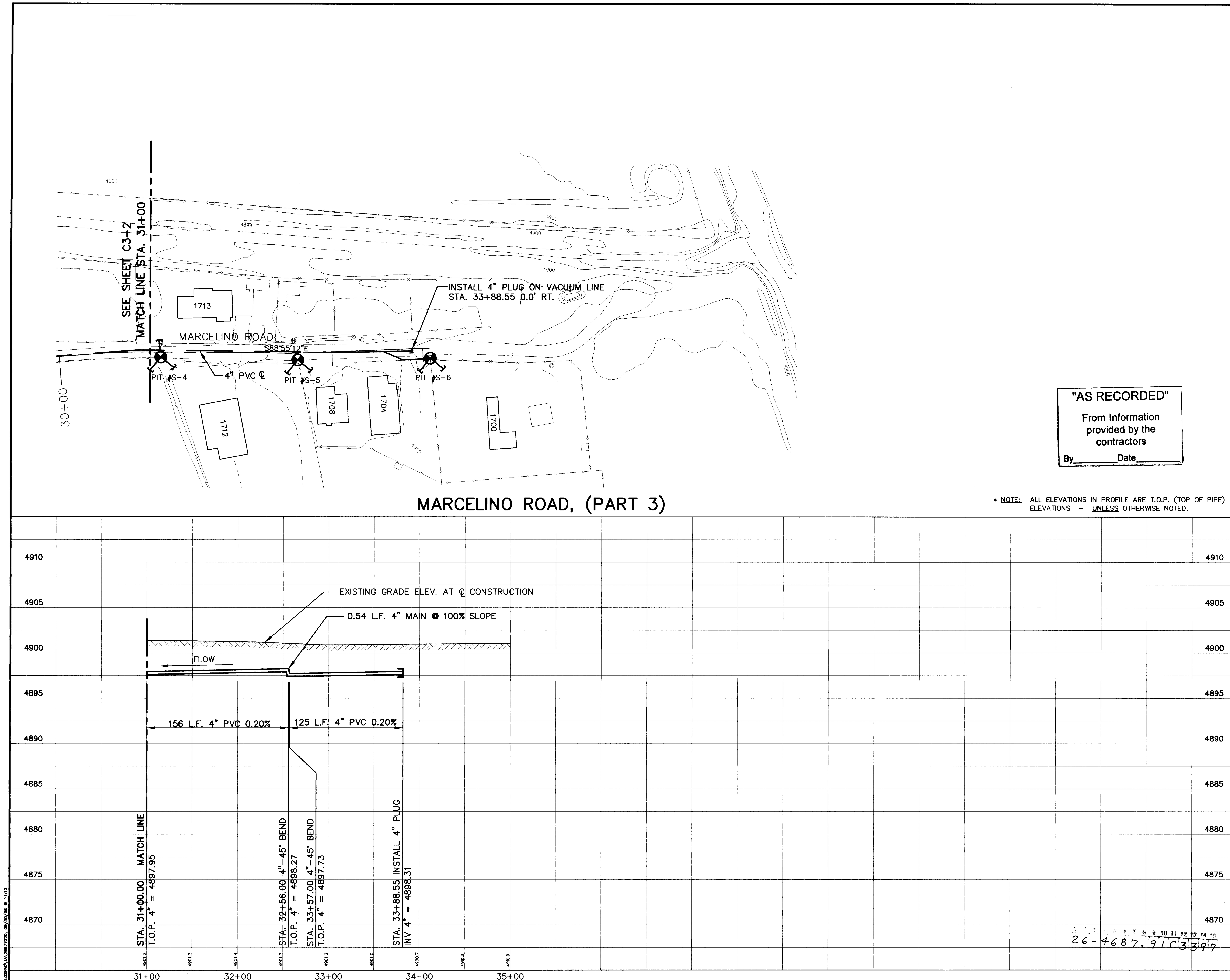

PLAN SCALE: 1"=50'

PROFILE SCALE: 1"=50' HOR, 1"=5' VERT

N

LEGEND

- STUB
- VP VALVE PIT
- WATER METER OR WELL PUMP
- FLOW DIRECTION
- MISCELLANEOUS UTILITY
- PLUG OR CAP
- CROSS SECTION OF CULVERT
- VACUUM SEWER PIPE
- LIGHT POLE
- ELECTRICAL POLE
- ELECTRICAL TRANSFORMER PAD
- ISOLATION VALVE (PROFILE)
- ISOLATION VALVE (PLAN)

SEWER SERVICE SCHEDULE

STATION	ADDRESS	PIT NO.
31+12	VACANT LOT MARCELINO RD.	S-4
31+12	1713 MARCELINO RD.	S-4
31+12	1712 MARCELINO RD.	S-4
32+62	1708 MARCELINO RD.	S-5
32+62	1712 MARCELINO RD.	S-5
34+08	1700 MARCELINO RD.	S-6
34+08	1704 MARCELINO RD.	S-6

AS BUILT INFORMATION

CONTRACTOR TRIAD DATE 10/95
WORK STAKED BY BALLEW/WILSON DATE 03/95 – 10/95
INSPECTOR'S ACCEPTANCE BY WILSON & CO. DATE 11/95
FIELD VERIFICATION BY WILSON & CO. DATE 10/95
DRAWINGS CORRECTED BY HDR ENGINEERING DATE

MICRO-FILM INFORMATION

RECORDED BY DATE
NO.

BENCH MARKS

From centerline of Pajarito and Isleta, travel North 126' ± to the BM on the West side of the street. The BM is a standard ACS 3 1/4", aluminum cap rivetted to a pipe 0.25' above ground. Cap is stamped "5–R11, 1988".

Spirit Level Elevation – 4912.078 ft.

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

10/2/96

NO.	DATE	REMARKS	BY

REVISIONS

DESIGN

DESIGNED BY WFZ, TAS DATE OCTOBER 1994
DRAWN BY TAS DATE NOVEMBER 1994
CHECKED BY WFZ, LC DATE JUNE 1995

HDR Engineering, Inc.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

TITLE: SOUTHWEST VALLEY SEWER EXTENSIONS
LOS PADILLAS VACUUM COLLECTION SYSTEM – PHASE IIA
MARCELINO ROAD (PART 3)
STATION 31+00 TO STATION 35+00

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN			WATER		
TRANSPORTATION			WASTE WATER		
HYDROLOGY					

PROJECT NO. 4687.91 | MAP NO. T-11 | SHEET C3-3 OF 22

26-4687.91C3397

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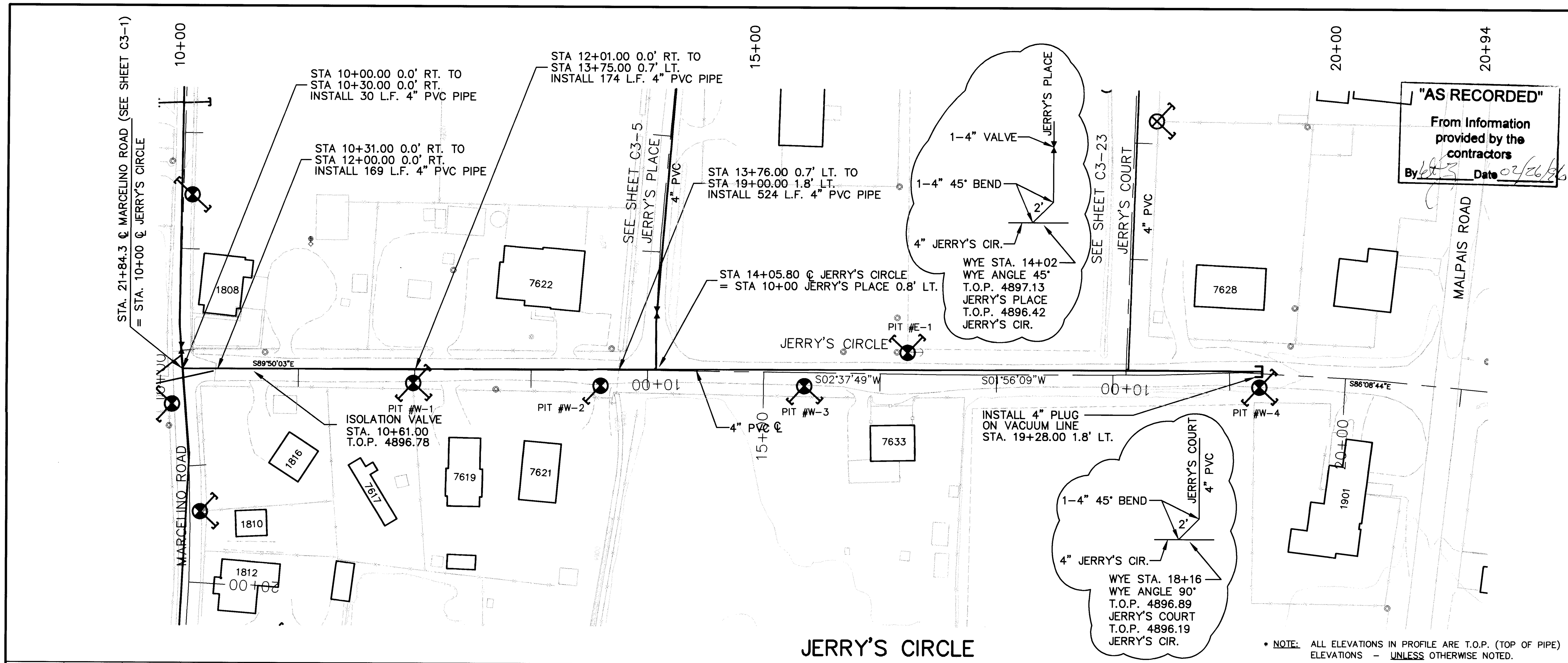
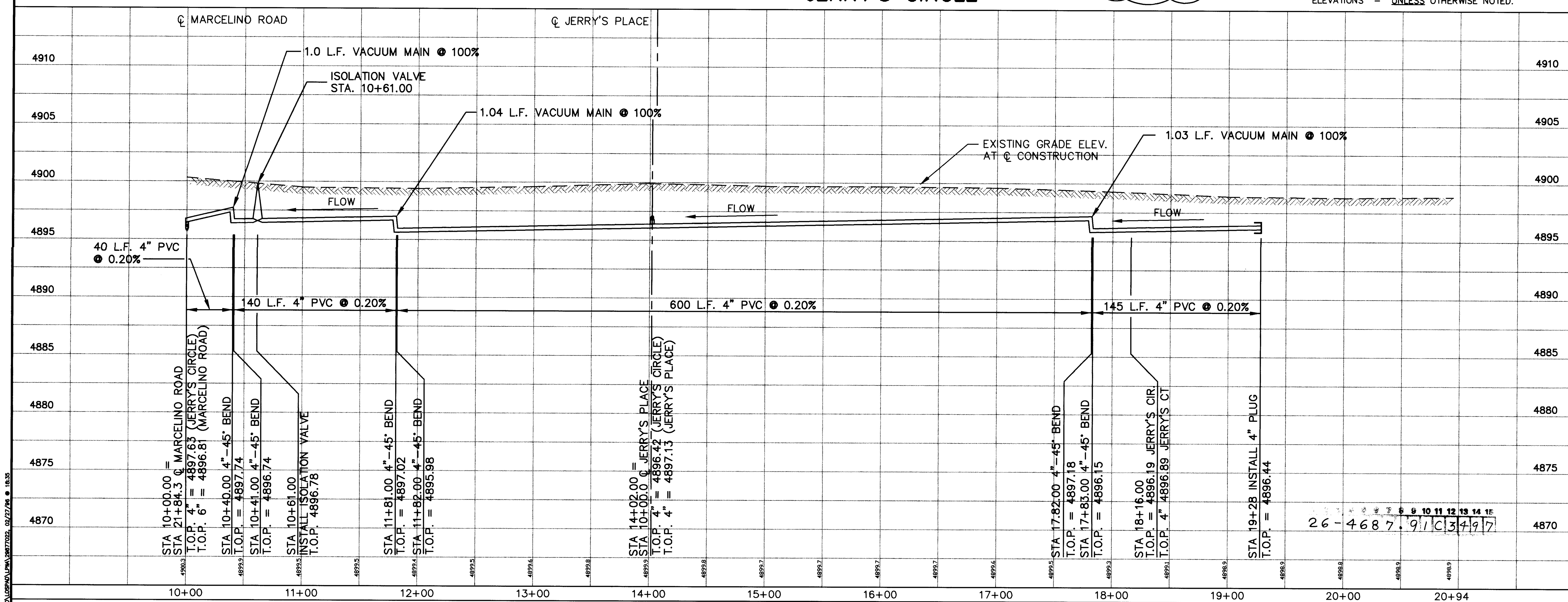


JERRY'S CIRCLE

* NOTE: ALL ELEVATIONS IN PROFILE ARE T.O.P. (TOP OF PIPE) ELEVATIONS – UNLESS OTHERWISE NOTED.



PLAN SCALE: 1"=50'

PROFILE SCALE: 1"=50' HOR 1"=5' VERT

LEGEND

- STUB
- VALVE PIT
- WATER METER OR WELL PUMP
- FLOW DIRECTION
- MISCELLANEOUS UTILITY
- PLUG OR CAP
- CROSS SECTION OF CULVERT
- VACUUM SEWER PIPE
- LIGHT POLE
- ELECTRICAL POLE
- ELECTRICAL TRANSFORMER PAD
- ISOLATION VALVE (PROFILE)
- ISOLATION VALVE (PLAN)

SEWER SERVICE SCHEDULE

STATION	ADDRESS	PIT NO.
19+27	1901 MALPAIS	W-4
19+27	VACANT LOT	W-4
19+27	7628 JERRY'S CIR.	W-4
15+36	VACANT LOT 7633 JERRY'S CIR.	W-3
13+61	7621 JERRY'S CIR.	W-2
12+00	7617 JERRY'S CIR. 7619 JERRY'S CIR.	W-1
12+00	7622 JERRY'S CIR.	W-1
16+18	VACANT LOT	E-1

AS BUILT INFORMATION

CONTRACTOR	TRIAD	DATE 10/95
WORK STAKED BY	BALLEW/WILSON	DATE 03/95 10/95
INSPECTOR'S ACCEPTANCE BY	WILSON & CO.	DATE 11/95
FIELD VERIFICATION BY	WILSON & CO.	DATE 10/95
DRAWINGS CORRECTED BY	HDR ENGINEERING	DATE

MICRO-FILM INFORMATION

RECORDED BY / DATE / NO.

BENCH MARKS

From centerline of Pajarito and Isleta, travel North 126' ± to the BM on the West side of the street. The BM is a standard ACS 3 1/4" aluminum cap rivetted to a pipe 0.25' above ground Cap is stamped "5-R11, 1988".

Spirit Level Elevation – 4912.078 ft.

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

WILLIAM F. ZIMMERMAN NEW MEXICO 8051 REGISTERED PROFESSIONAL ENGINEER 02/26/96

NO.	DATE	REMARKS	BY

REVISIONS

DESIGN

DESIGNED BY WFZ, TAS	DATE OCTOBER 1994
DRAWN BY TAS	DATE NOVEMBER 1994
CHECKED BY WFZ, LC	DATE JUNE 1995

HDR Engineering, Inc.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

TITLE: SOUTHWEST VALLEY SEWER EXTENSIONS
LOS PADILLAS VACUUM COLLECTION SYSTEM – PHASE IIA
JERRY'S CIRCLE
STATION 10+00 TO STATION 19+00

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN			WATER		
TRANSPORTATION			WASTE WATER		
HYDROLOGY					

PROJECT NO.	MAP NO.	SHEET	OF
4687.91	T-11	C3-4	10

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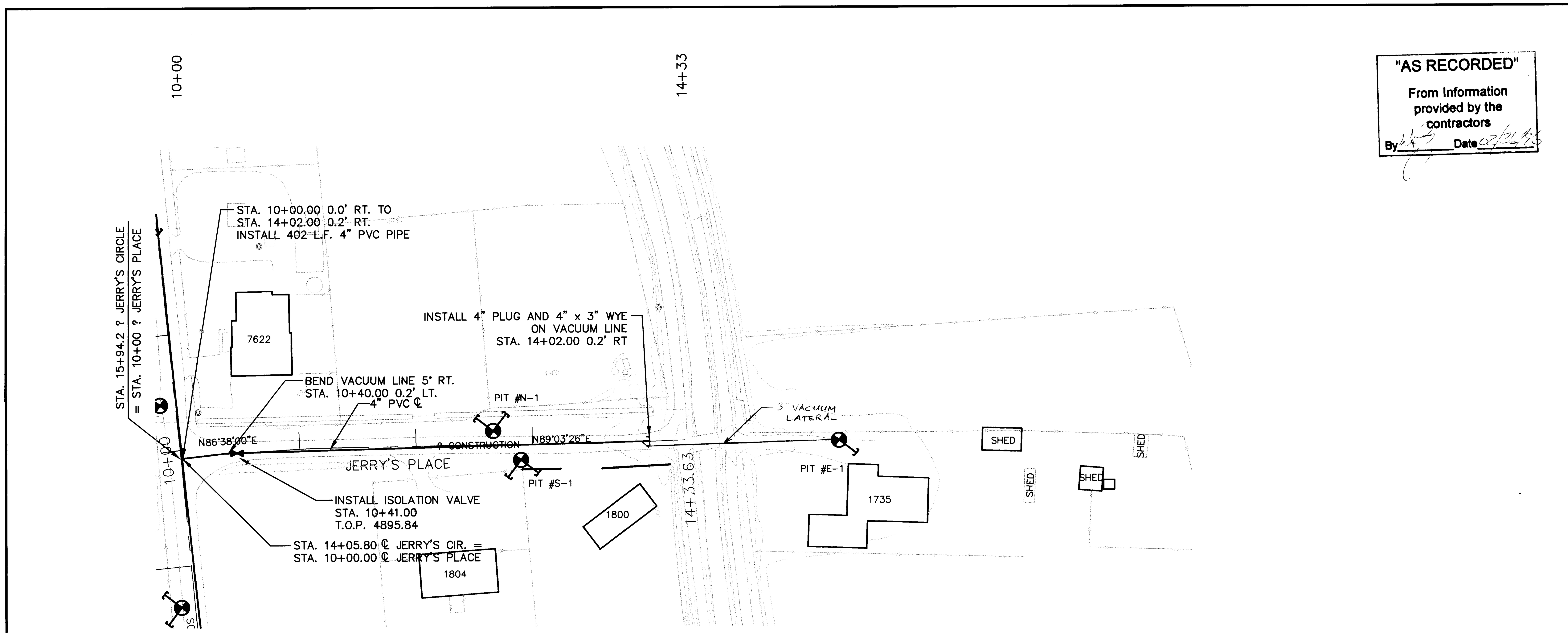
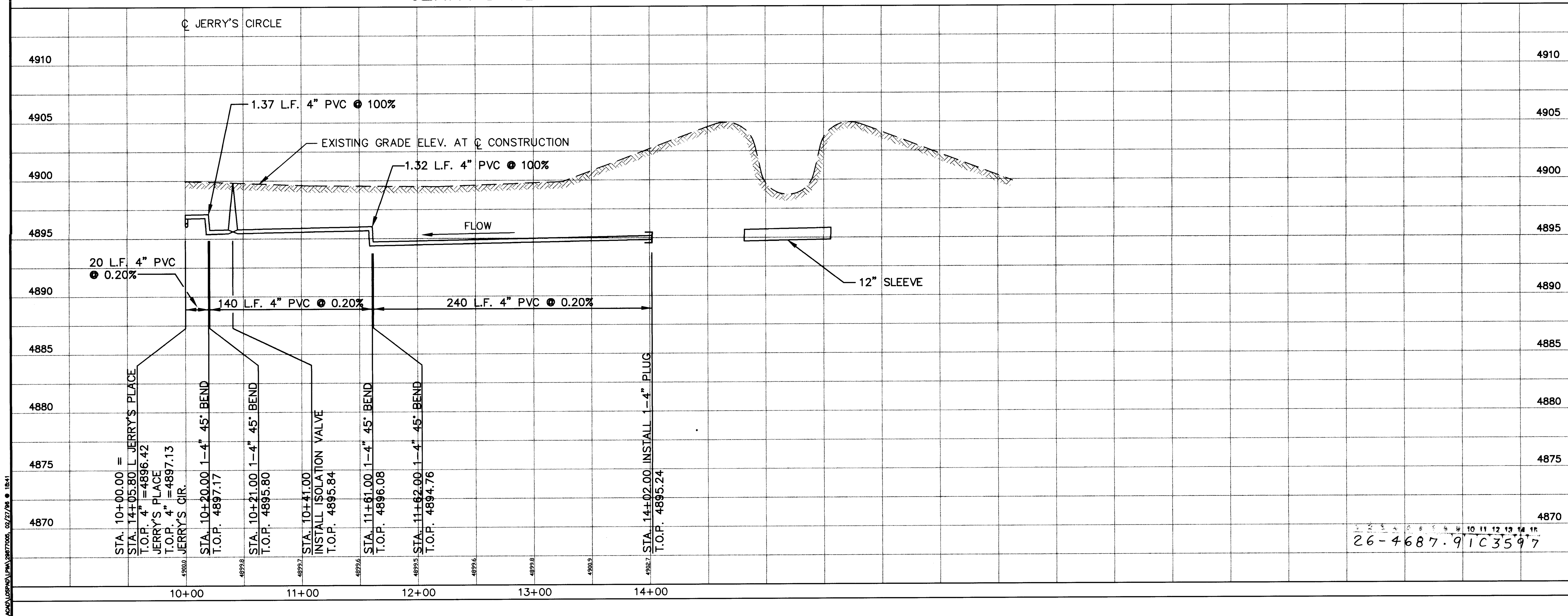


JERRY'S PLACE

• NOTE: ALL ELEVATIONS IN PROFILE ARE T.O.P. (TOP OF PIPE) ELEVATIONS – UNLESS OTHERWISE NOTED.



26-4687.91C3597

PLAN SCALE: 1"=50'

PROFILE SCALE: 1"=50' HOR 1"=5' VERT

N

LEGEND

- STUB
- VALVE PIT
- WATER METER OR WELL PUMP
- FLOW DIRECTION
- MISCELANEOUS UTILITY
- PLUG OR CAP
- CROSS SECTION OF CULVERT
- VACUUM SEWER PIPE
- LIGHT POLE
- ELECTRICAL POLE
- ELECTRICAL TRANSFORMER PAD
- ISOLATION VALVE (PROFILE)
- ISOLATION VALVE (PLAN)

SEWER SERVICE SCHEDULE

STATION	ADDRESS	PIT NO.
12+63	VACANT LOT	N-1
12+63	1801 JERRY'S PL.	N-1
13+00	1804 JERRY'S PL.	S-1
13+00	1800 JERRY'S PL.	S-1
15+83	1735 MALPAIS	E-1

AS BUILT INFORMATION

CONTRACTOR TRIAD — DATE 10/95
WORK STAKED BY BALLEW/WILSON — DATE 03/95 – 10/95
INSPECTOR'S ACCEPTANCE BY WILSON & CO. — DATE 11/95
FIELD VERIFICATION BY WILSON & CO. — DATE 10/95
DRAWINGS CORRECTED BY HDR ENGINEERING — DATE

MICRO-FILM INFORMATION

RECORDED BY — DATE

NO.

BENCH MARKS

From centerline of Pajarito and Isleta, travel North 126' ± to the BM on the West side of the street. The BM is a standard ACS 3 1/4" aluminum cap rivetted to a pipe 0.25' above ground. Cap is stamped "5-R11, 1988".

Spirit Level Elevation – 4912.078 ft.

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

WILLIAM F. ZIMMERMAN, NEW MEXICO, REGISTERED PROFESSIONAL ENGINEER, 8051

REVISIONS

NO.	DATE	REMARKS	BY

DESIGN: DESIGNED BY WFZ, TAS — DATE OCTOBER 1994; DRAWN BY TAS — DATE NOVEMBER 1994; CHECKED BY WFZ, LC — DATE JUNE 1995

HDR Engineering, Inc.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

TITLE: SOUTHWEST VALLEY SEWER EXTENSIONS
LOS PADILLAS VACUUM COLLECTION SYSTEM – PHASE IIA
JERRY'S PLACE – EAST
STATION 10+00 TO STATION 14+33.60

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN			WATER		
TRANSPORTATION			WASTE WATER		
HYDROLOGY					

PROJECT NO. 4687.91 | MAP NO. T-11 | SHEET C3-5 OF 10

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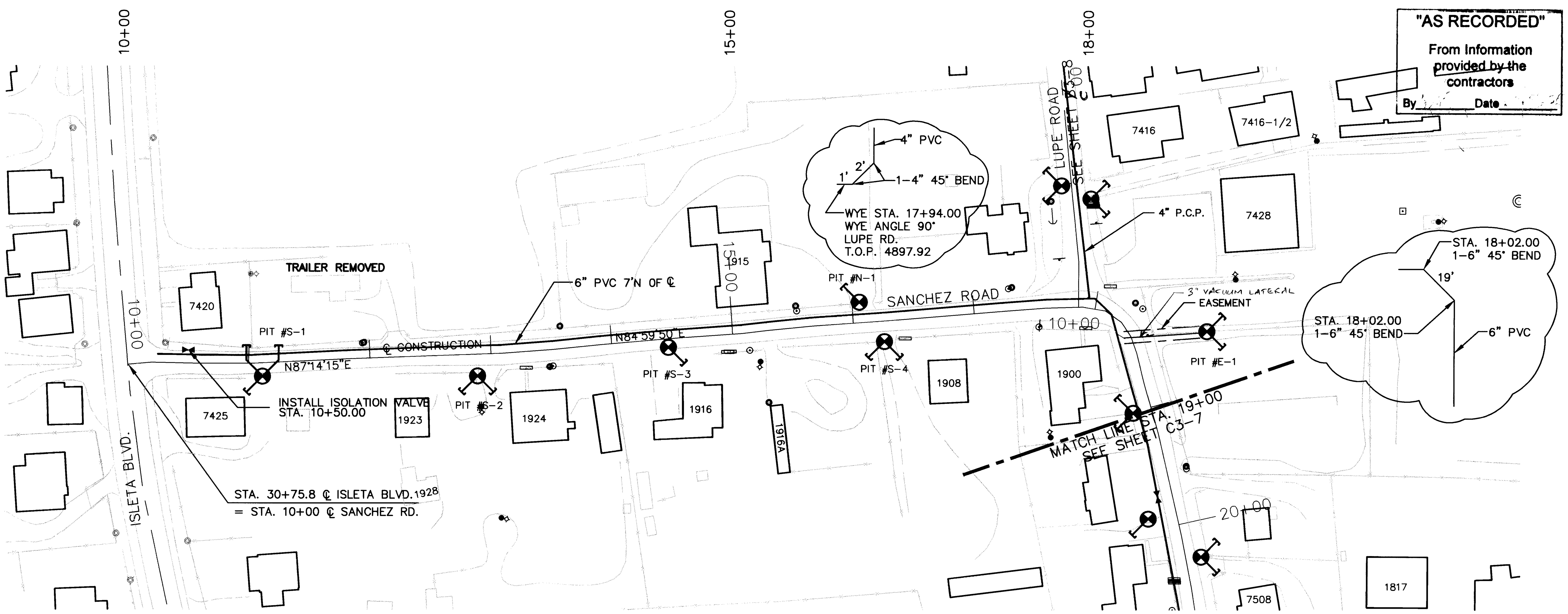
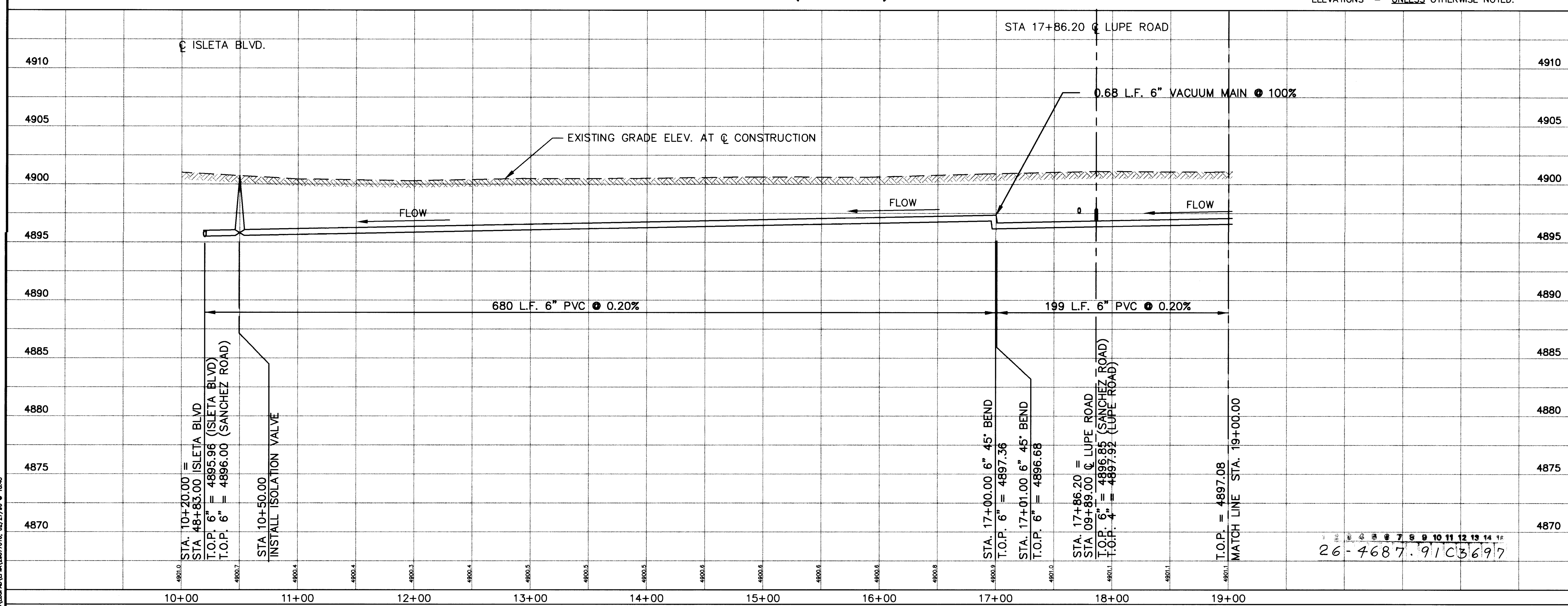


SANCHEZ ROAD, (PART 1)

• **NOTE:** ALL ELEVATIONS IN PROFILE ARE T.O.P. (TOP OF PIPE) ELEVATIONS – UNLESS OTHERWISE NOTED.



PLAN SCALE: 1"=50'
PROFILE SCALE: 1"=50' HOR 1"=5' VERT

N

LEGEND

- STUB
- VALVE PIT
- WATER METER OR WELL PUMP
- FLOW DIRECTION
- MISCELANEOUS UTILITY
- PLUG OR CAP
- CROSS SECTION OF CULVERT
- VACUUM SEWER PIPE
- LIGHT POLE
- ELECTRICAL POLE
- ELECTRICAL TRANSFORMER PAD
- ISOLATION VALVE (PROFILE)
- ISOLATION VALVE (PLAN)

SEWER SERVICE SCHEDULE

STATION	ADDRESS	PIT NO.
11+11	VACANT LOT 7420 SANCHEZ RD. 7425 SANCHEZ RD.	S-1
12+88	1923 SANCHEZ RD. 1924 SANCHEZ RD.	S-2
14+46	1916 SANCHEZ RD.	S-3
16+24	1916A SANCHEZ RD. 1908 SANCHEZ RD.	S-4
18+33	VACANT LOT 7428 SANCHEZ RD.	E-1
16+06	1915 SANCHEZ RD.	N-1

AS BUILT INFORMATION
CONTRACTOR TRIAD DATE 10/95
WORK STARTED BY BALLEW/WILSON DATE 03/95
INSPECTOR'S ACCEPTANCE BY WILSON & CO. DATE 11/95
FIELD VERIFICATION BY WILSON & CO. DATE 10/95
DRAWINGS CORRECTED BY HDR ENGINEERING DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
From centerline of Pajarito and Isleta, travel North 126' ± to the BM on the West side of the street. The BM is a standard ACS 3 1/4" aluminum cap rivetted to a pipe 0.25' above ground Cap is stamped "5-R11, 1988".
Spirit Level Elevation – 4912.078 ft.

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
WILLIAM F. ZIMMERMAN NEW MEXICO 8051 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	BY	REMARKS

REVISIONS

DESIGN
DESIGNED BY WFZ, TAS DATE OCTOBER 1994
DRAWN BY TAS DATE NOVEMBER 1994
CHECKED BY WFZ, LC DATE JUNE 1995

HDR
HDR Engineering, Inc.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

TITLE: SOUTHWEST VALLEY SEWER EXTENSIONS
LOS PADILLAS VACUUM COLLECTION SYSTEM – PHASE IIA
SANCHEZ ROAD (PART 1)
STATION 10+00 TO STATION 19+00

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN			WATER		
TRANSPORTATION			WASTE WATER		
HYDROLOGY					

PROJECT NO. 4687.91 | MAP NO. T-11 | SHEET C3-6 OF 10

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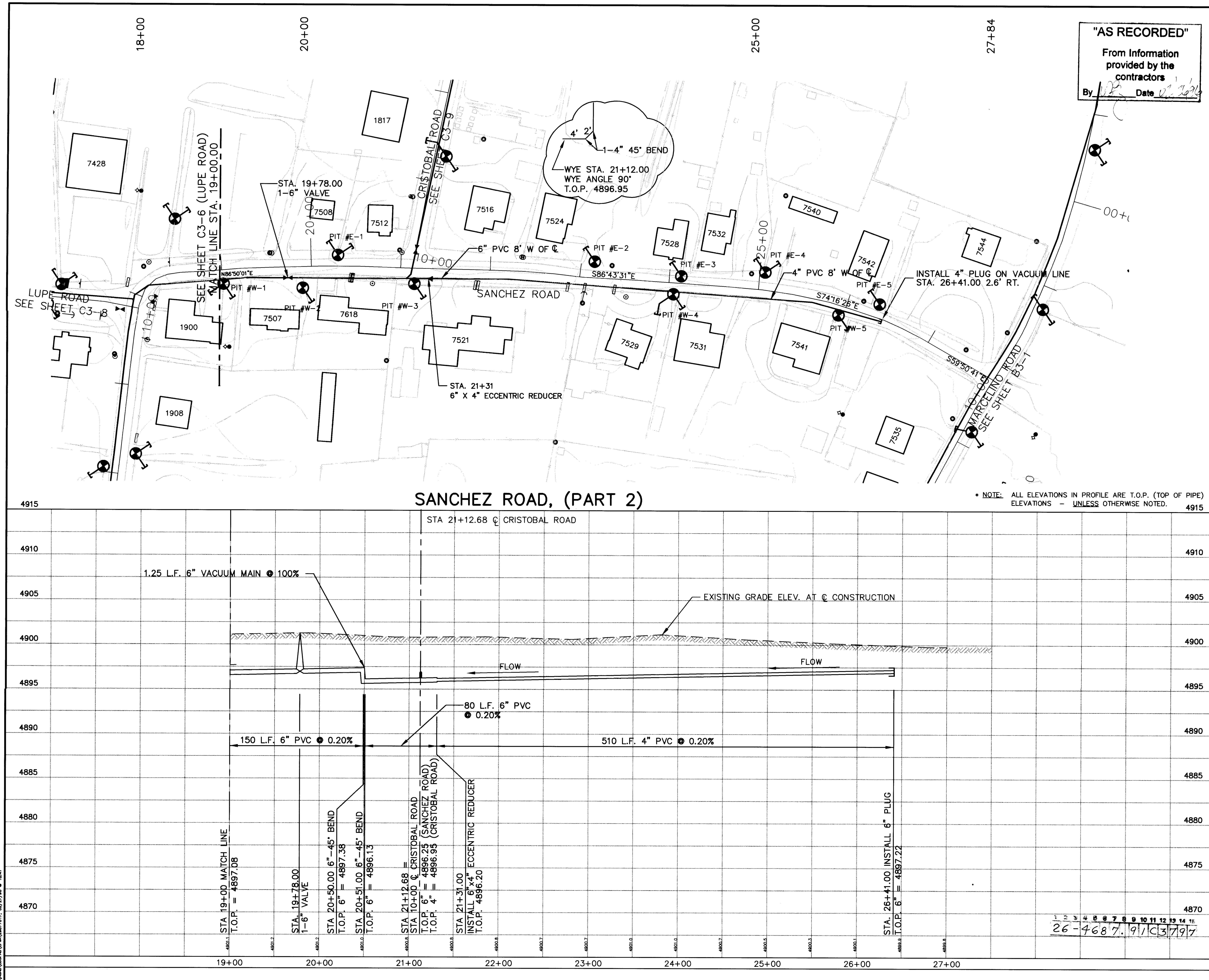

PLAN SCALE: 1"=50'

PROFILE SCALE: 1"=50' HOR, 1"=5' VERT

LEGEND

- STUB
- VALVE PIT
- WATER METER OR WELL PUMP
- FLOW DIRECTION
- MISCELLANEOUS UTILITY
- PLUG OR CAP
- CROSS SECTION OF CULVERT
- VACUUM SEWER PIPE
- LIGHT POLE
- ELECTRICAL POLE
- ELECTRICAL TRANSFORMER PAD
- ISOLATION VALVE (PROFILE)
- ISOLATION VALVE (PLAN)

AS BUILT INFORMATION

CONTRACTOR	TRIAD	DATE	10/95
WORK STAKED BY	BALLEW/WILSON	DATE	03/95 10/95
INSPECTOR'S ACCEPTANCE BY	WILSON & CO.	DATE	11/95
FIELD VERIFICATION BY	WILSON & CO.	DATE	10/95
DRAWINGS CORRECTED BY	HDR ENGINEERING	DATE	

MICRO-FILM INFORMATION

RECORDED BY / DATE / NO.

BENCH MARKS

From centerline of Pajarito and Isleta, travel North 126' ± to the BM on the West side of the street. The BM is a standard ACS 3 1/4", aluminum cap rivetted to a pipe 0.25' above ground Cap is stamped "5-R11, 1988".

Spirit Level Elevation – 4912.078 ft.

SURVEY INFORMATION

FIELD NOTES NO.	BY	DATE

ENGINEER'S SEAL

WILLIAM F. ZIMMERMAN NEW MEXICO 8051 REGISTERED PROFESSIONAL ENGINEER

SEWER SERVICE SCHEDULE

STATION	ADDRESS	PIT NO.
19+15	1900 SANCHEZ RD. 7507 SANCHEZ RD.	W-1
19+95	7618 SANCHEZ RD.	W-2
21+21	7521 SANCHEZ RD.	W-3
24+11	7529 SANCHEZ RD. 7531 SANCHEZ RD.	W-4
25+99	7541 SANCHEZ RD.	W-5
21+21	7508 SANCHEZ RD. 7512 SANCHEZ RD.	E-1
23+21	7524 SANCHEZ RD.	E-2
24+18	7528 SANCHEZ RD.	E-3
25+11	7532 SANCHEZ RD. 7540 SANCHEZ RD.	E-4
26+39	7542 SANCHEZ RD.	E-5

REMARKS / REVISIONS / DESIGN

NO.	DATE	BY

DESIGNED BY WFZ, TAS — DATE OCTOBER 1994
DRAWN BY TAS — DATE NOVEMBER 1994
CHECKED BY WFZ, LC — DATE JUNE 1995

HDR Engineering, Inc.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

TITLE: SOUTHWEST VALLEY SEWER EXTENSIONS
LOS PADILLAS VACUUM COLLECTION SYSTEM – PHASE IIA
SANCHEZ ROAD (PART 2)
STATION 19+00 TO STATION 26+40

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN			WATER		
TRANSPORTATION			WASTE WATER		
HYDROLOGY					

PROJECT NO. 4687.91 | MAP NO. T-11 | SHEET C3-7 OF 10

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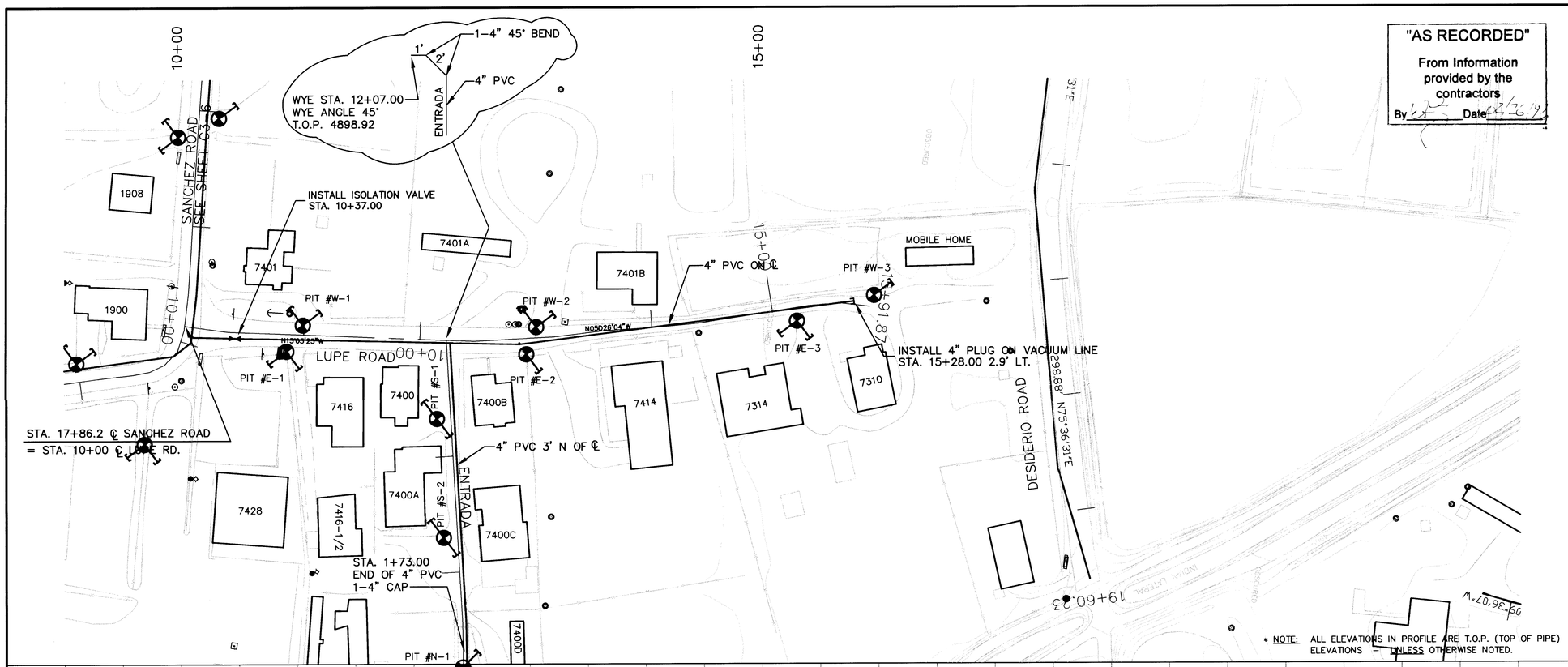
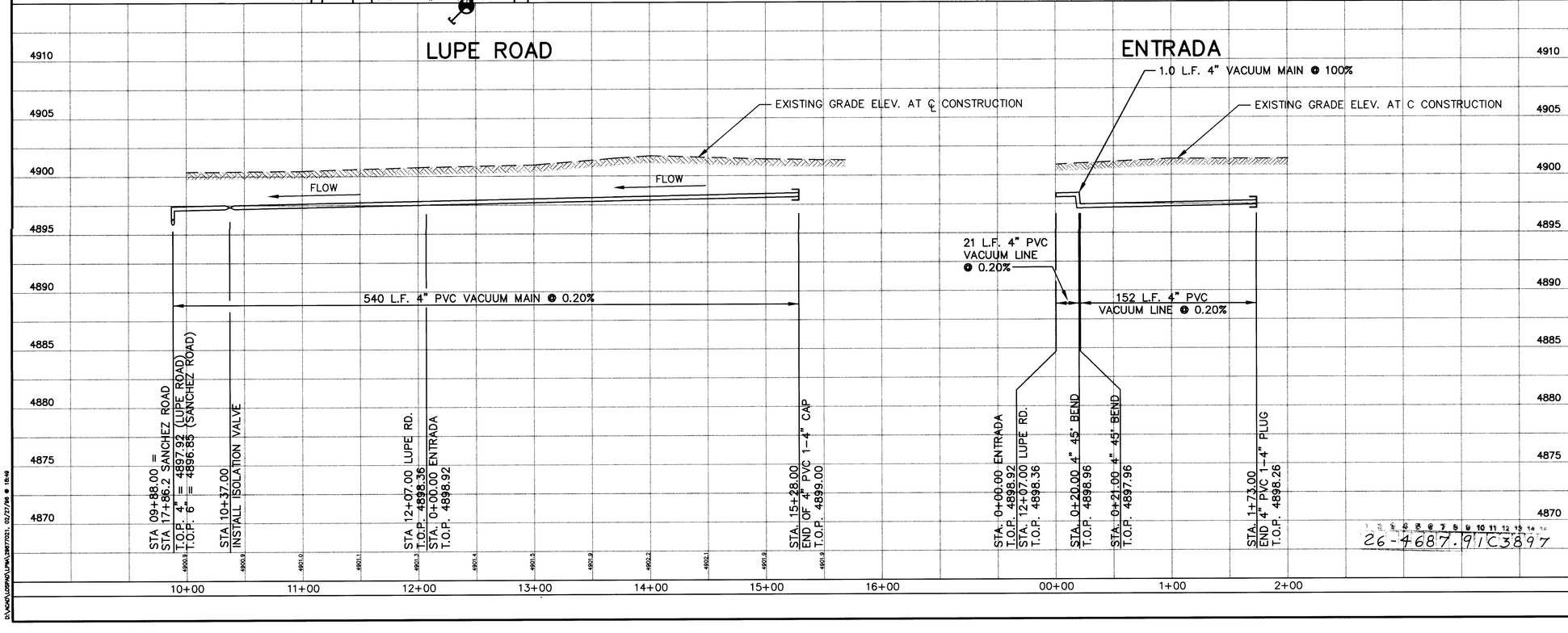


* NOTE: ALL ELEVATIONS IN PROFILE ARE T.O.P. (TOP OF PIPE) ELEVATIONS — UNLESS OTHERWISE NOTED.



26-4687.91C3897

PLAN
SCALE: 1"=50'

PROFILE
SCALE: 1"=50' HOR
1"=5' VERT

N

LEGEND

- STUB
- VALVE PIT
- WATER METER OR WELL PUMP
- FLOW DIRECTION
- MISCELANEOUS UTILITY
- PLUG OR CAP
- CROSS SECTION OF CULVERT
- VACUUM SEWER PIPE
- LIGHT POLE
- ELECTRICAL POLE
- ELECTRICAL TRANSFORMER PAD
- ISOLATION VALVE (PROFILE)
- ISOLATION VALVE (PLAN)

SEWER SERVICE SCHEDULE

STATION	ADDRESS	PIT NO.
11+02	7401 LUPE RD. VACANT LOT	W-1
13+04	7401 LUPE RD. 7401A LUPE RD.	W-2
15+91	DESIDERIO RD	W-3
10+84	7416 LUPE RD. 7416 1/2 LUPE RD.	E-1
12+92	7414 LUPE RD.	E-2
15+22	7310 LUPE RD. 7314 LUPE RD.	E-3
0+68	7400 ENTRADA 7400B	S-1
1+68	7400A ENTRADA 7400C	S-2
3+28	7400D ENTRADA 7400E	N-1

HDR

HDR Engineering, Inc.

AS BUILT INFORMATION

CONTRACTOR	TRIAD	DATE 10/95
WORK STAKED BY	BALLEW/WILSON	DATE 10/95
INSPECTOR'S ASSISTANCE BY	WILSON & CO.	DATE 11/95
FIELD VERIFICATION BY	WILSON & CO.	DATE 10/95
DRAWINGS CORRECTED BY	HDR ENGINEERING	DATE

MICRO-FILM INFORMATION

RECORDED BY DATE

NO.

BENCH MARKS

From centerline of Pajarito and Isleta, travel North 126' ± to the BM on the West side of the street. The BM is a standard ACS 3 1/4" aluminum cap riveted to a pipe 0.25' above ground. Cap is stamped "5-R11, 1988".

Spirit Level Elevation — 4912.078 ft.

SURVEY INFORMATION

FIELD NOTES

NO.	DATE	BY

ENGINEER'S SEAL

WILLIAM F. ZIMMERMAN
NEW MEXICO
8051
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY

REVISIONS

DESIGN

DESIGNED BY WFZ, TAS — DATE OCTOBER 1994
DRAWN BY TAS — DATE NOVEMBER 1994
CHECKED BY WFZ, LC — DATE JUNE 1995

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

TITLE: SOUTHWEST VALLEY SEWER EXTENSIONS
LOS PADILLAS VACUUM COLLECTION SYSTEM – PHASE IIA
LUPE ROAD
STATION 10+00 TO STATION 15+90

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN			WATER		
TRANSPORTATION			WASTE WATER		
HYDROLOGY					

PROJECT NO.	MAP NO.	SHEET	OF
4687.91	T-11	C3-8	10

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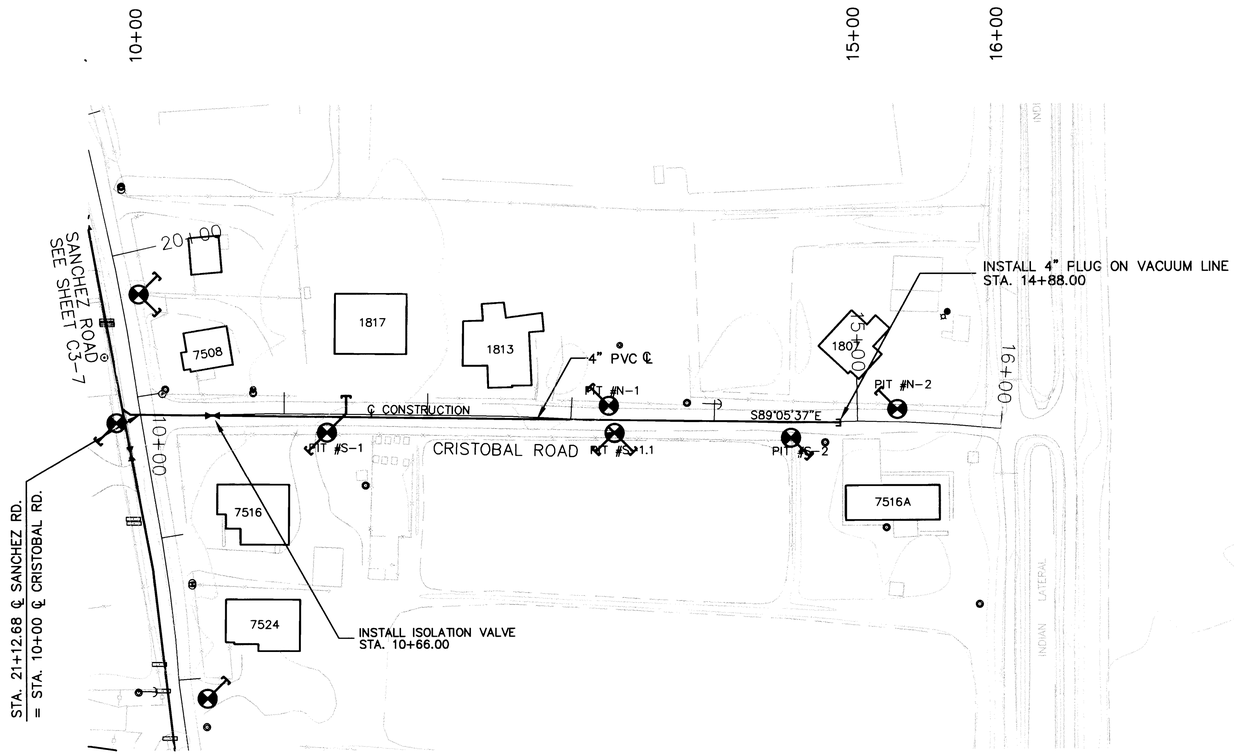
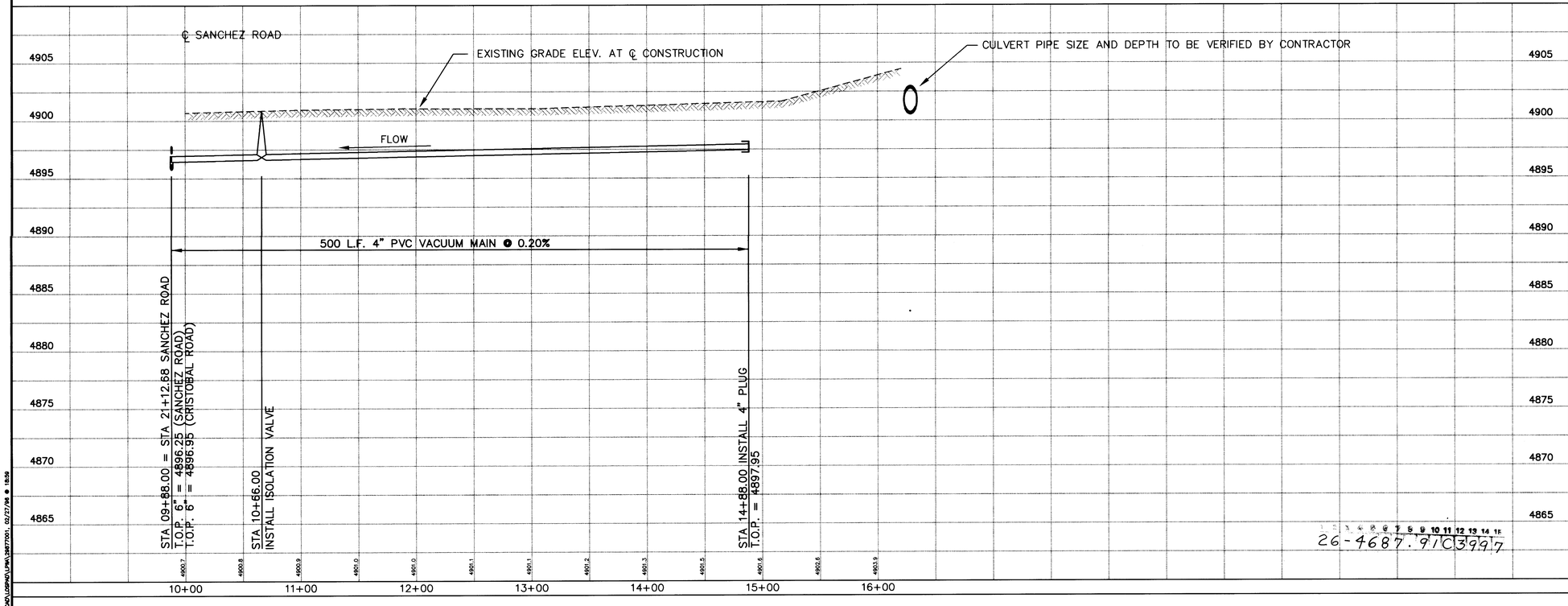


"AS RECORDED"
From information provided by the contractors
By [illegible] Date 02/26/96

CRISTOBAL ROAD

* NOTE: ALL ELEVATIONS IN PROFILE ARE T.O.P. (TOP OF PIPE) ELEVATIONS – UNLESS OTHERWISE NOTED.



26-4687.91C3997

PLAN

SCALE: 1"=50'

PROFILE

SCALE: 1"=50' HOR
1"=5' VERT

N

LEGEND

- STUB
- VALVE PIT
- WATER METER OR WELL PUMP
- FLOW DIRECTION
- MISCELANEOUS UTILITY
- PLUG OR CAP
- CROSS SECTION OF CULVERT
- VACUUM SEWER PIPE
- LIGHT POLE
- ELECTRICAL POLE
- ELECTRICAL TRANSFORMER PAD
- ISOLATION VALVE (PROFILE)
- ISOLATION VALVE (PLAN)

SEWER SERVICE SCHEDULE

STATION	ADDRESS	PIT NO.
11+30	7516 SANCHEZ RD. 1817 CRISTOBAL RD.	S-1
14+54	7516A SANCHEZ RD.	S-2
13+26	1813 CRISTOBAL RD.	N-1
15+27	1807 CRISTOBAL RD.	N-2
13+31	VACANT LOT	S-1.1

AS BUILT INFORMATION

CONTRACTOR	TRIAD	DATE 10/95
WORK STAKED BY	BALLEW/WILSON	DATE 10/95
INSPECTOR'S ACCEPTANCE BY	WILSON & CO.	DATE 11/95
FIELD TAKE BY	WILSON & CO.	DATE 10/95
VERIFICATION BY WILSON & CO.		DATE
DRAWINGS CORRECTED BY	HDR ENGINEERING	DATE

BENCH MARKS

From centerline of Pajarito and Isleta, travel North 126' ± to the BM on the West side of the street. The BM is a standard ACS 3 1/4", aluminum cap riveted to a pipe 0.25' above ground. Cap is stamped "5-R11, 1988".

Spirit Level Elevation – 4912.078 ft.

MICRO-FILM INFORMATION

RECORDED BY: DATE
NO.

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

WILLIAM F. ZIMMERMAN
NEW MEXICO
8051
REGISTERED PROFESSIONAL ENGINEER
10/26/96

NO.	DATE	REMARKS	BY

REVISIONS

DESIGN

DESIGNED BY WFZ, TAS — DATE OCTOBER 1994
DRAWN BY TAS — DATE NOVEMBER 1994
CHECKED BY WFZ, LC — DATE JUNE 1995

HDR

HDR Engineering, Inc.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

TITLE: SOUTHWEST VALLEY SEWER EXTENSIONS
LOS PADILLAS VACUUM COLLECTION SYSTEM – PHASE IIA
CRISTOBAL ROAD – EAST OF SANCHEZ ROAD
STATION 10+00 TO STATION 16+00

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN			WATER		
TRANSPORTATION			WASTE WATER		
HYDROLOGY					

PROJECT NO.	MAP NO.	SHEET	OF
4687.91	T-11	C3-9	10

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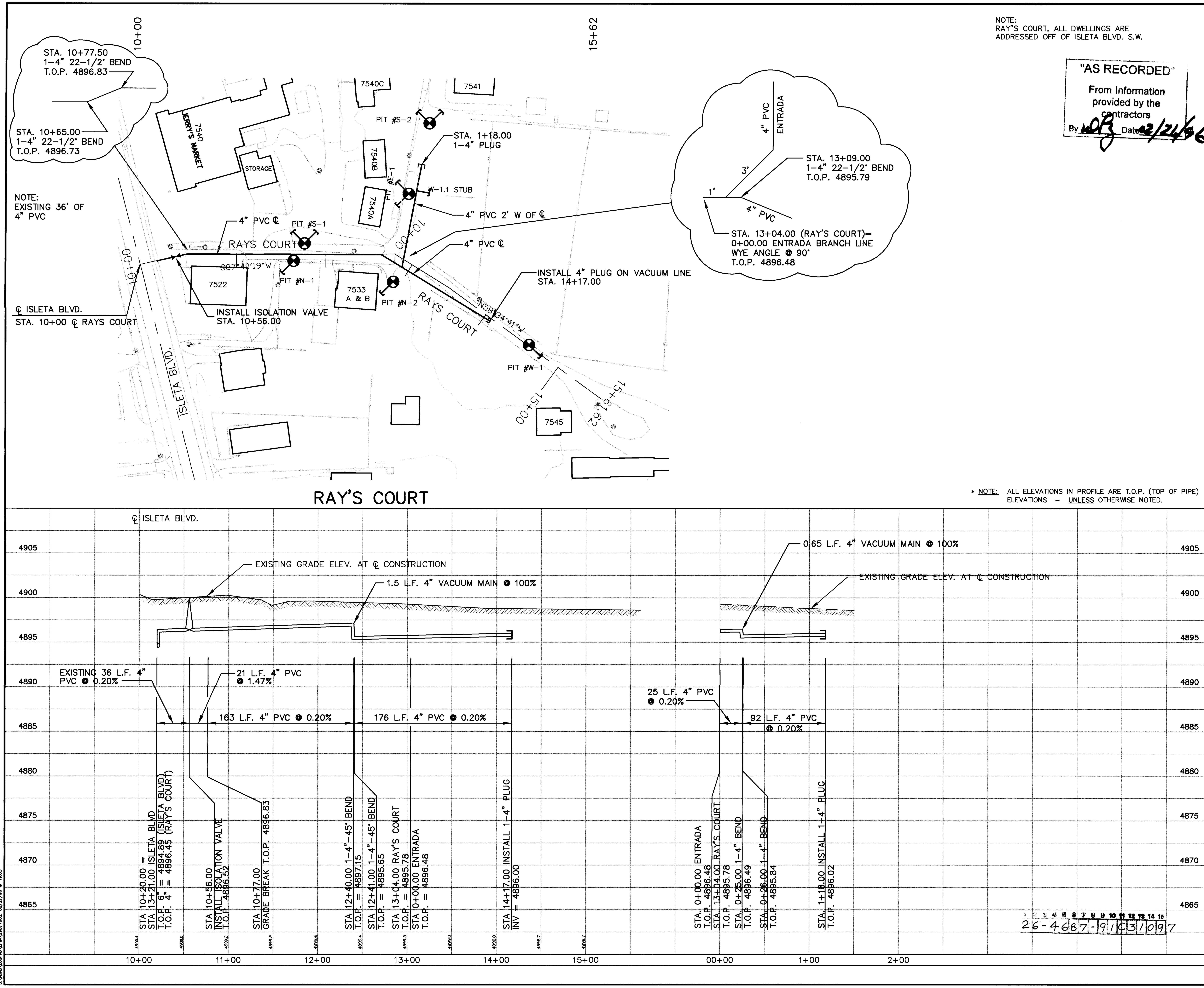

PLAN SCALE: 1"=50'

PROFILE SCALE: 1"=50' HOR 1"=5' VERT

N

LEGEND

- VALVE PIT
- WATER METER OR WELL PUMP
- FLOW DIRECTION
- MISCELLANEOUS UTILITY
- PLUG OR CAP
- CROSS SECTION OF CULVERT
- VACUUM SEWER PIPE
- LIGHT POLE
- ELECTRICAL POLE
- ELECTRICAL TRANSFORMER PAD
- ISOLATION VALVE (PROFILE)
- ISOLATION VALVE (PLAN)

SEWER SERVICE SCHEDULE

STATION	ADDRESS	PIT NO.
11+73	7522 RAY'S COURT.	N-1
11+85	7540 RAY'S COURT	S-1
0+83	7540A & B ENTRADA	E-1
1+65	7540C & 7541 ENTRADA	S-2
13+01	7533 RAY'S COURT	N-2
14+68	7545 RAY'S COURT	W-1
0+88	STUB	W-1.1

AS BUILT INFORMATION

CONTRACTOR TRIAD DATE 10/95
WORK STAKED BY BALLEW/WILSON DATE 03/95 10/95
INSPECTOR'S ACCEPTANCE BY WILSON & CO. DATE 11/95
FIELD VERIFICATION BY WILSON & CO. DATE 10/95
DRAWINGS CORRECTED BY HDR ENGINEERING DATE

MICRO-FILM INFORMATION

RECORDED BY / DATE / NO.

BENCH MARKS

From centerline of Pajarito and Isleta, travel North 126' ± to the BM on the West side of the street. The BM is a standard ACS 3 1/4" aluminum cap rivetted to a pipe 0.25' above ground. Cap is stamped "5-R11, 1988".

Spirit Level Elevation – 4912.078 ft.

SURVEY INFORMATION

FIELD NOTES: NO. / BY / DATE

ENGINEER'S SEAL

REMARKS / REVISIONS / DESIGN: NO. / DATE / BY

DESIGNED BY WFZ, TAS DATE OCTOBER 1994
DRAWN BY TAS DATE NOVEMBER 1994
CHECKED BY WFZ, LC DATE JUNE 1995

HDR Engineering, Inc.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

TITLE: SOUTHWEST VALLEY SEWER EXTENSIONS
LOS PADILLAS VACUUM COLLECTION SYSTEM – PHASE IIA
RAY'S COURT
STATION 10+00 TO STATION 15+50

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN			WATER		
TRANSPORTATION			WASTE WATER		
HYDROLOGY					

PROJECT NO. 4687.91 | MAP NO. T-11 | SHEET C3-10 OF 10

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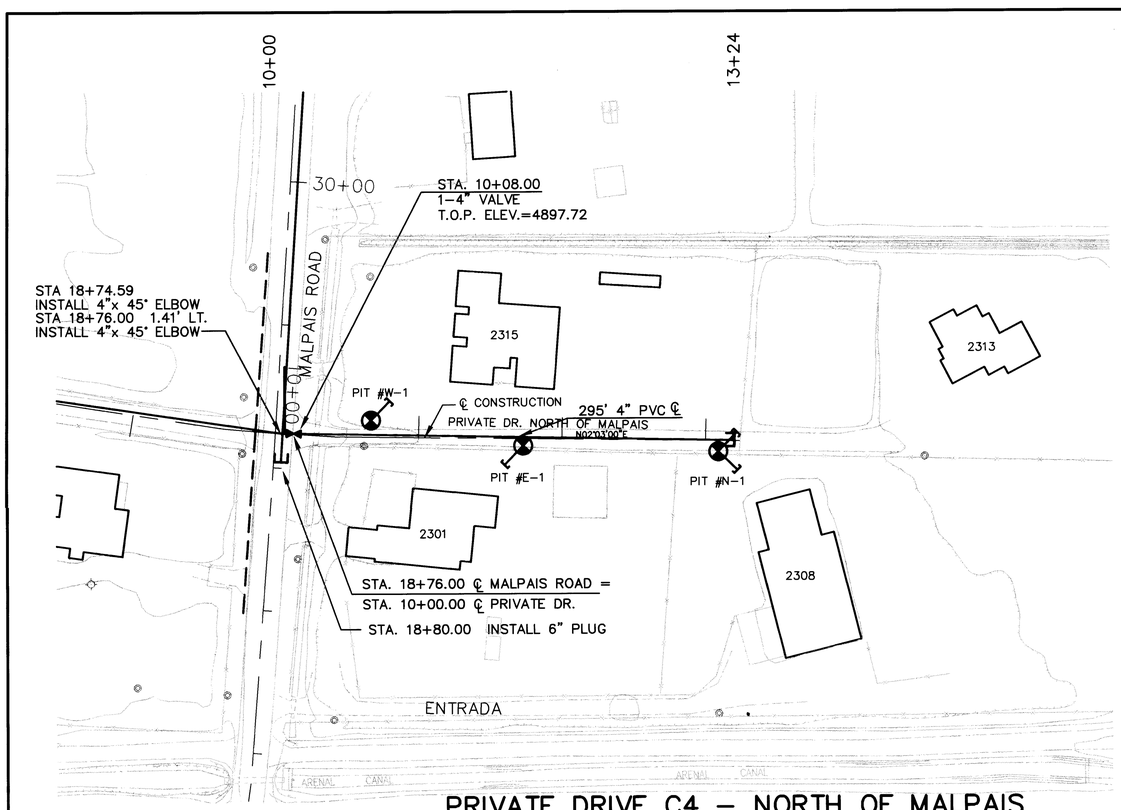
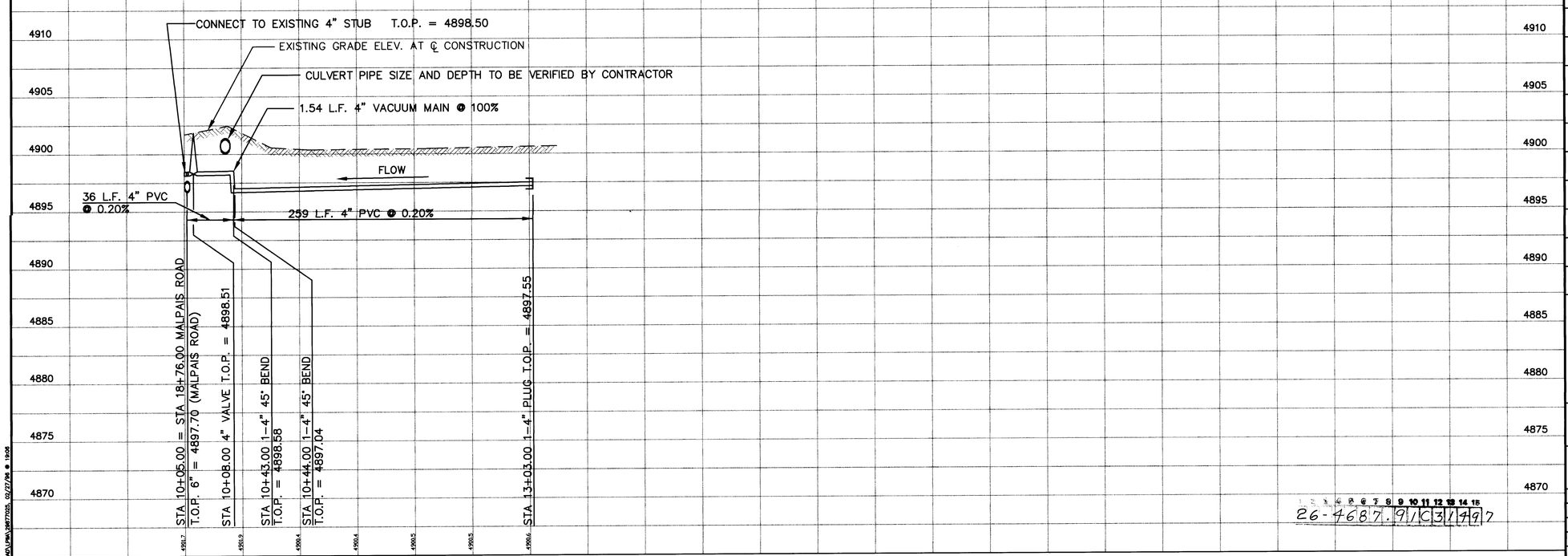


PRIVATE DRIVE C4 – NORTH OF MALPAIS



"AS RECORDED"
From information provided by the contractors
By WFZ Date 02/26/96

• NOTE: ALL ELEVATIONS IN PROFILE ARE T.O.P. (TOP OF PIPE) ELEVATIONS – UNLESS OTHERWISE NOTED.

PLAN SCALE: 1"=50'

PROFILE SCALE: 1"=50' HOR 1"=5' VERT

N

LEGEND

- STUB
- VALVE PIT
- WATER METER OR WELL PUMP
- FLOW DIRECTION
- MISCELANEOUS UTILITY
- PLUG OR CAP
- CROSS SECTION OF CULVERT
- VACUUM SEWER PIPE
- LIGHT POLE
- ELECTRICAL POLE
- ELECTRICAL TRANSFORMER PAD
- ISOLATION VALVE (PROFILE)
- ISOLATION VALVE (PLAN)

SEWER SERVICE SCHEDULE

STATION	ADDRESS	PIT NO.
10+74	2315 MALPAIS RD	W-1
11+74	2301 MALPAIS RD	E-1
13+02	2313 & 2315 MALPAIS RD	N-1

AS BUILT INFORMATION

CONTRACTOR	TRIAD	DATE 10/95
WORK STAKED BY	BALLEW/WILSON	DATE 10/95
INSPECTOR'S ACCEPTANCE BY	WILSON & CO.	DATE 11/95
FIELD VERIFICATION BY	WILSON & CO.	DATE 10/95
DRAWINGS CORRECTED BY	HDR ENGINEERING	DATE

MICRO-FILM INFORMATION

RECORDED BY DATE

NO.

BENCH MARKS

From centerline of Pajarito and Isleta, travel North 126' ± to the BM on the West side of the street. The BM is a standard ACS 3 1/4" aluminum cap rivetted to a pipe 0.25' above ground. Cap is stamped "5-R11, 1988".

Spirit Level Elevation – 4912.078 ft.

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

WILLIAM F. ZIMMERMAN NEW MEXICO 8854 REGISTERED PROFESSIONAL ENGINEER 02/26/96

NO.	DATE	REMARKS

REVISIONS

DESIGN

DESIGNED BY WFZ, TAS DATE OCTOBER 1994
DRAWN BY TAS DATE NOVEMBER 1994
CHECKED BY WFZ, LC DATE JUNE 1995

HDR

HDR Engineering, Inc.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

TITLE: SOUTHWEST VALLEY SEWER EXTENSIONS
LOS PADILLAS VACUUM COLLECTION SYSTEM – PHASE IIA
PRIVATE DRIVE C4 – NORTH OF MALPAIS ROAD
STATION 10+00 TO STATION 13+20

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN			WATER		
TRANSPORTATION			WASTE WATER		
HYDROLOGY					

26-4687.91/C3/14/97

PROJECT NO. 4687.91 | MAP NO. T-11 | SHEET C3-14 OF 22

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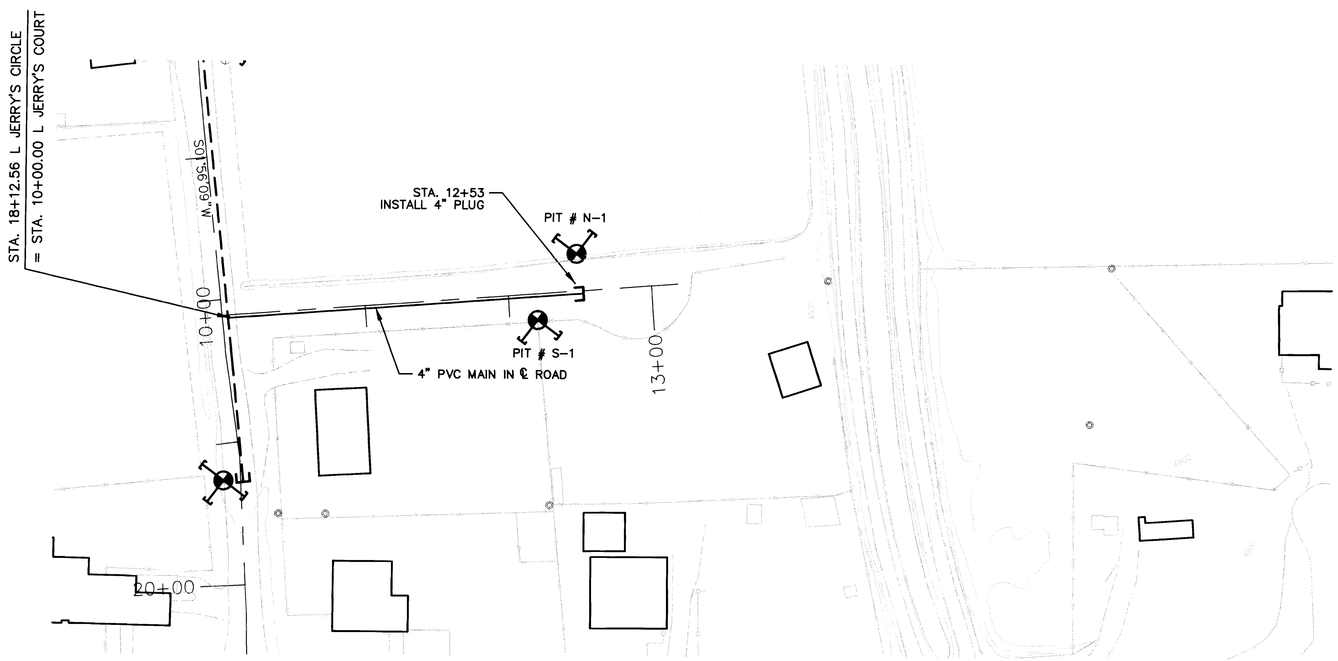
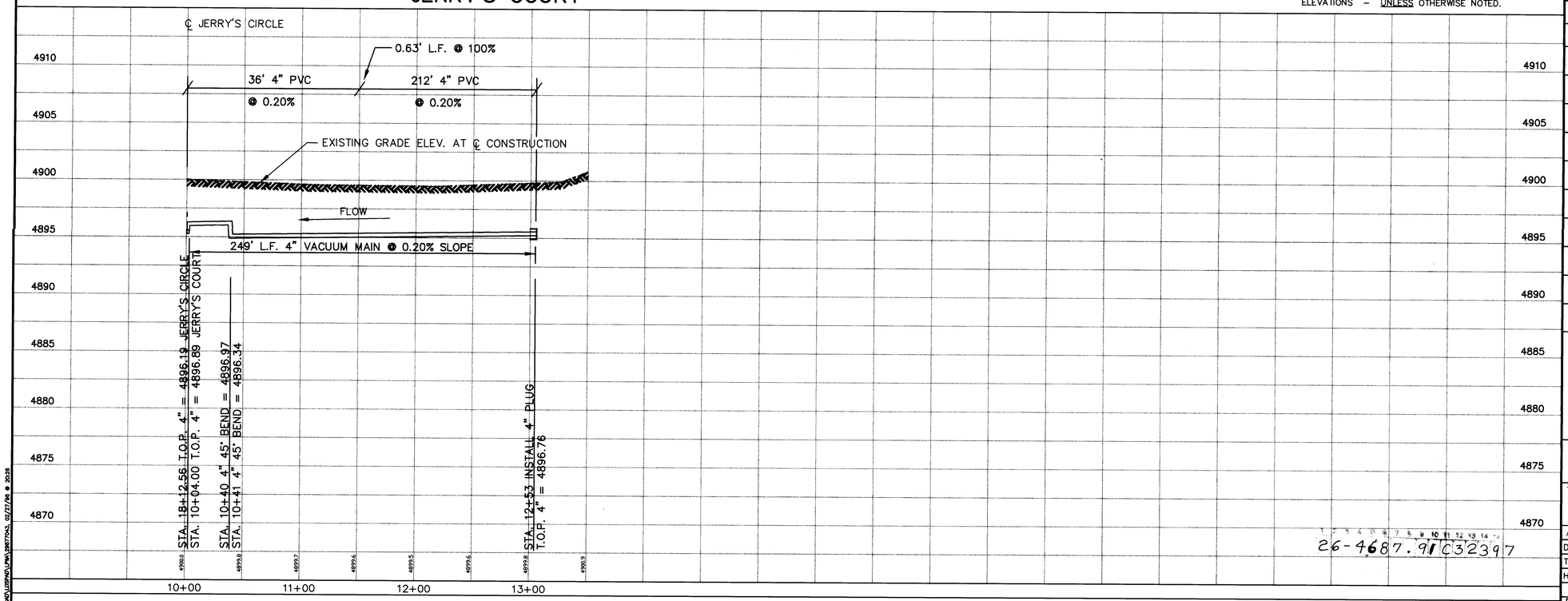
"AS RECORDED"
From Information provided by the contractors
By WFZ Date 2/26/96



JERRY'S COURT

* NOTE: ALL ELEVATIONS IN PROFILE ARE T.O.P. (TOP OF PIPE) ELEVATIONS – UNLESS OTHERWISE NOTED.



26-4687.91 C32397

PLAN
SCALE: 1"=50'

PROFILE
SCALE: 1"=50' HOR
1"=5' VERT

N

LEGEND

- STUB
- VP VALVE PIT
- WATER METER OR WELL PUMP
- FLOW FLOW DIRECTION
- MISCELANEOUS UTILITY
- PLUG OR CAP
- CROSS SECTION OF CULVERT
- VACUUM SEWER PIPE
- LIGHT POLE
- ELECTRICAL POLE
- ELECTRICAL TRANSFORMER PAD
- ISOLATION VALVE (PROFILE)
- ISOLATION VALVE (PLAN)

SEWER SERVICE SCHEDULE

STATION	ADDRESS	PIT NO.
12+49	7628 JERRY'S CIR.	S-1
12+49	VACANT LOT	S-1
12+53	LOT 17 & 18	N-1

AS BUILT INFORMATION

CONTRACTOR TRIAD DATE 10/95
WORK STAKED BY BALLEW/WILSON DATE 03/95
INSPECTOR'S ACCEPTANCE BY WILSON & CO. DATE 11/95
AS BUILT VERIFICATION BY WILSON & CO. DATE 10/95
DRAWINGS CORRECTED BY HDR ENGINEERING DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

From centerline of Pajarito and Isleta, travel North 126' ± to the BM on the West side of the street. The BM is a standard ACS 3 1/4", aluminum cap rivetted to a pipe 0.25' above ground. Cap is stamped "5-R11, 1988".
Spirit Level Elevation – 4912.078 ft.

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
WILLIAM F. ZIMMERMAN NEW MEXICO 8051 REGISTERED PROFESSIONAL ENGINEER
2/26/96

NO.	DATE	REMARKS	BY

REVISIONS
DESIGN
DESIGNED BY WFZ, TAS DATE OCTOBER 1994
DRAWN BY TAS DATE NOVEMBER 1994
CHECKED BY WFZ, LC DATE JUNE 1995

HDR
HDR Engineering, Inc.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

TITLE: SOUTHWEST VALLEY SEWER EXTENSIONS
LOS PADILLAS VACUUM COLLECTION SYSTEM – PHASE IIA
JERRY'S COURT – EAST
STATION 10+00 TO STATION 13+20

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN			WATER		
TRANSPORTATION			WASTE WATER		
HYDROLOGY					

PROJECT NO.	MAP NO.	SHEET	OF
4687.91	T-11	C3-23	13

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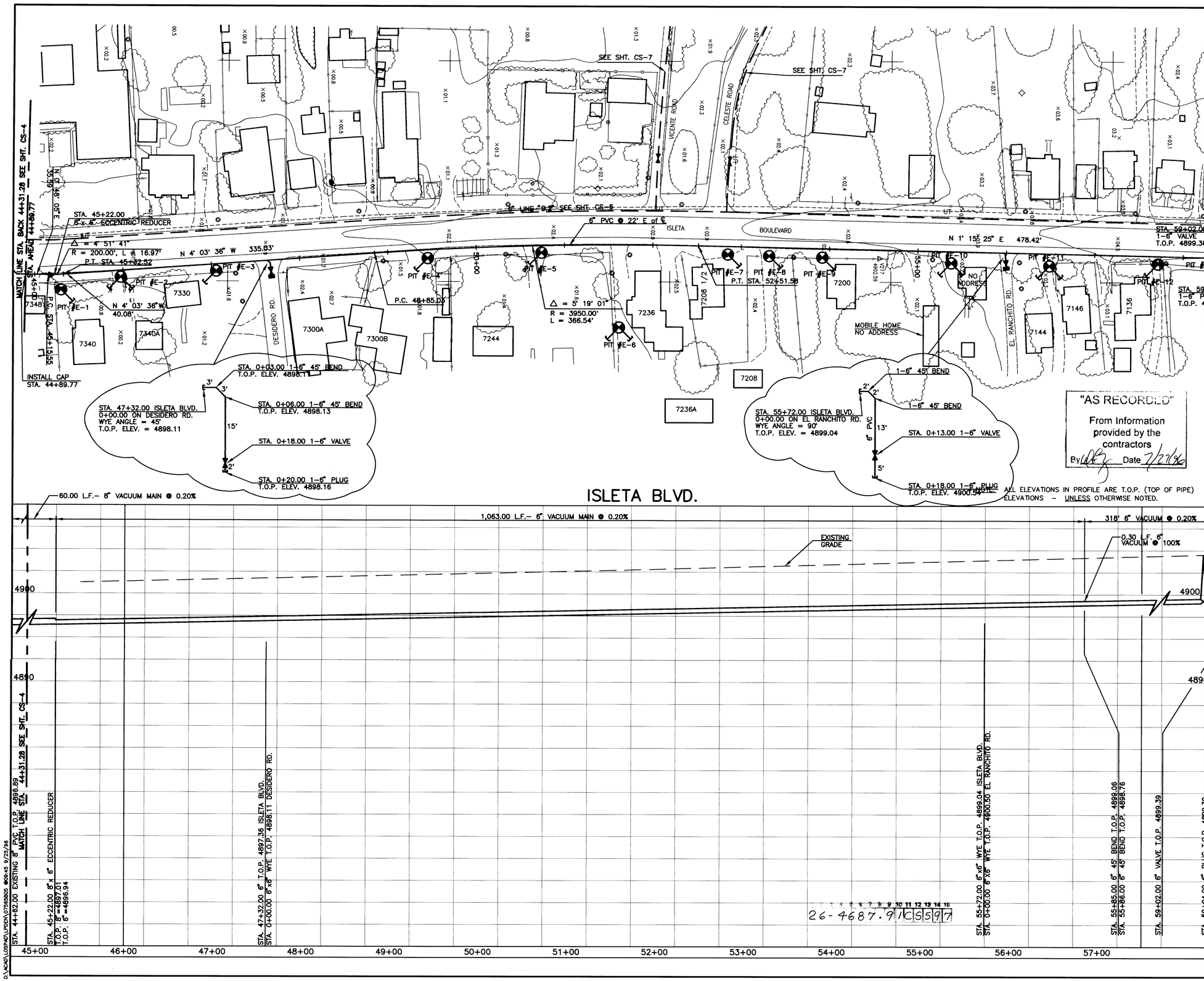

SEWER SERVICE SCHEDULE

STATION	ADDRESS	PIT NO.
44+69	7348 ISLETA BLVD. S.W.	E-1
45+72	7340-7340A ISLETA BLVD.	E-2
46+80	7330 ISLETA BLVD.	E-3
49+20	7300B ISLETA BLVD.	E-4
50+49	7244 ISLETA BLVD.	E-5
51+42	7236-7236A ISLETA BLVD.	E-6
52+60	7208 1/2 ISLETA BLVD.	E-7
53+07	7208 ISLETA BLVD.	E-8
53+67	7200 ISLETA BLVD.	E-9
55+13	MOBILE HOME & HOUSE	E-10
56+24	7144-7146 ISLETA BLVD.	E-11
57+47	7136 ISLETA BLVD.	E-12
58+53	7130 ISLETA BLVD. / VACANT LOT	E-13

HDR

HDR Engineering, Inc.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

TITLE: SOUTHWEST VALLEY SEWER EXTENSIONS
LOS PADILLAS VACUUM COLLECTION SYSTEM – PHASE IIA
ISLETA BLVD.
LINE "B" STA. 44+89.77 TO STA. 57+50

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN			WATER		
TRANSPORTATION			WASTE WATER		
HYDROLOGY					

PROJECT NO. 4687.91 | MAP NO. T-11 | SHEET CS-5 OF

AS BUILT INFORMATION
CONTRACTOR TRIAD DATE 10/95
WORK STAKED BY BAILEY/WILSON DATE 03/95
INSPECTORS ACCEPTANCE BY WILSON & CO. DATE 11/95
VERIFICATION BY WILSON & CO. DATE 10/95
DRAWINGS CORRECTED BY HDR ENGINEERING DATE
MICRO-FILM INFORMATION DATE
RECORDED BY
NO.

BENCH MARKS
From centerline of Pajarito and Isleta, travel North 126' ± to the BM on the West side of the street. The BM is a standard ACS 3 1/4", aluminum cap rivetted to a pipe 0.25' above ground. Cap is stamped "5-R11, 1988".
Spirit Level Elevation – 4912.078 ft.

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
WILLIAM F. ZIMMERMAN
NEW MEXICO
8051
REGISTERED PROFESSIONAL ENGINEER
7/27/96

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY WFZ, TAS DATE OCTOBER 1994
DRAWN BY TAS DATE NOVEMBER 1994
CHECKED BY WFZ, LC DATE JUNE 1995

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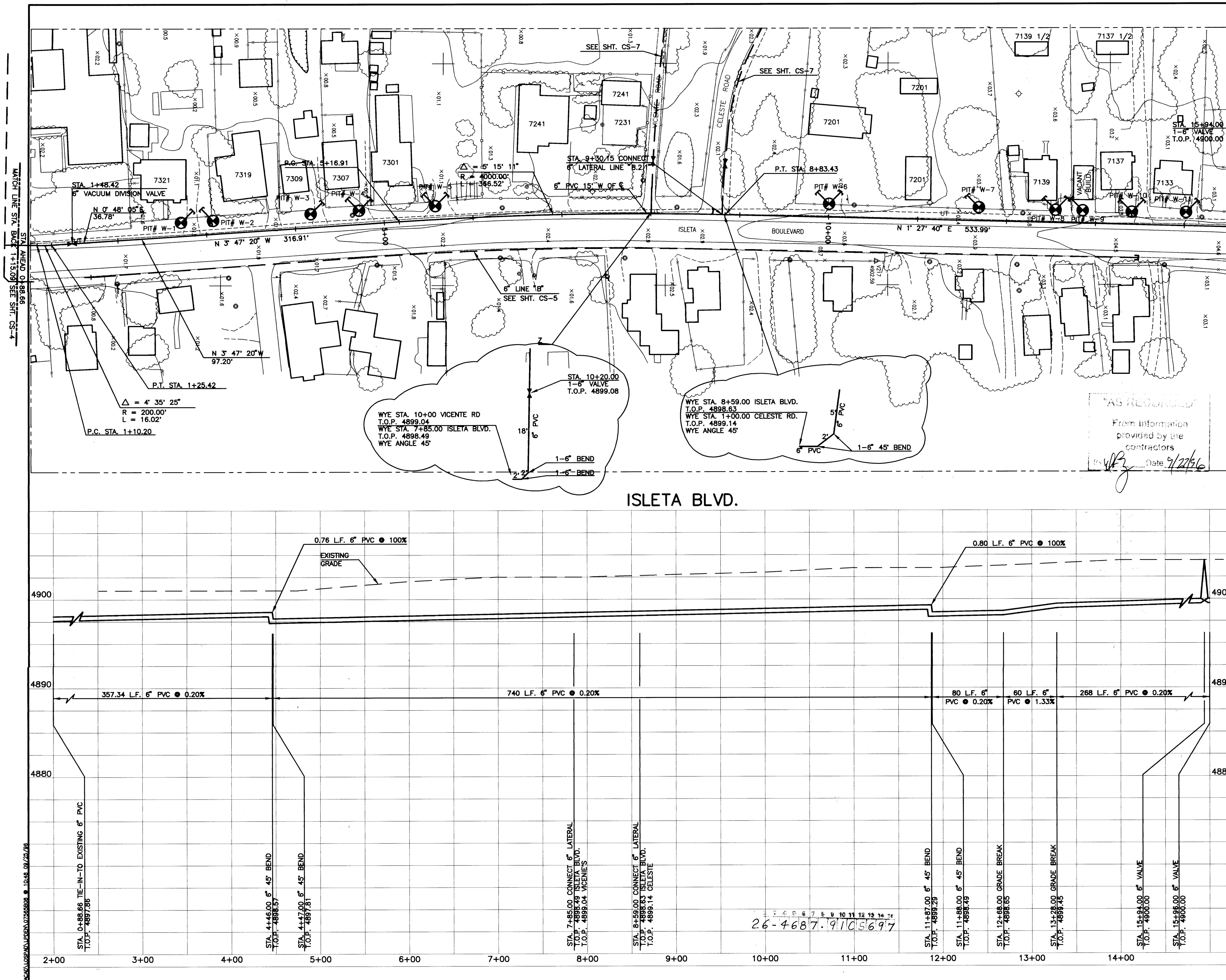

PLAN
SCALE: 1"=50'

PROFILE
SCALE: 1"=50' HOR 1"=5' VERT

LEGEND

NEW	EXIST.	
		VACUUM SEWER MAIN (ADDITIONAL)
		VACUUM SEWER MAIN OR FORCE MAIN
		VACUUM SEWER DIVISION VALVE, SEE DETAIL IN CONTRACT DOCUMENTS BOOK OR FORCE MAIN ISOLATION VALVE, SEE DTL. ON SHT. G-4
		STUB
		1" AIR RELEASE VALVE SEE DETAIL IN CONTRACT DOCUMENTS BOOK
		DRAIN MANHOLE SEE DETAIL ON SHEET G-4
		30"-3" "AIRVAC" VALVE AND PIT SEE NOTE 7 ON SHT. G-1
	---W---	WATER LINE
	---G---	GAS LINE
	---UT---	UNDERGROUND TELEPHONE LINE
	---UE---	UNDERGROUND ELECTRICAL LINE
		OVERHEAD POWER POLE W/ GUY WIRE
		LARGE TREE
		BRUSH
		SIGN
	X 00.0	SPOT ELEVATION

NOTES:
1) ALL LATERAL VACUUM MAIN CONNECTIONS SHALL BE CONSTRUCTED PER TYPICAL DETAIL SHOWN IN CONTRACT DOCUMENTS BOOK. REFER TO NOTES 1 AND 6 ON SHEET G-1 ABOUT STATIONING AND DETAILS AT THESE CONNECTIONS.

SERVICE LOCATION TABLE

STREET ADDRESS	STATION	PIT NO.
7321 ISLETA BLVD.	2+72	W-1
7319 ISLETA BLVD.	3+08	W-2
7309 ISLETA BLVD.	4+18	W-3
7307 ISLETA BLVD.	4+72	W-4
7301 ISLETA BLVD.	5+58	W-5
7201 ISLETA BLVD.	10+00	W-6
7201 ISLETA BLVD.	11+70	W-7
7139-7139 1/2 ISLETA	12+57	W-8
VACANT LOT	12+86	W-9
7137-7137 1/2 ISLETA	13+39	W-10
7133 ISLETA BLVD.	14+03	W-11
7129 ISLETA BLVD.	14+93	W-12
7121-7121 1/2 ISLETA	15+84	W-13

AS BUILT INFORMATION

CONTRACTOR	TRIAD	DATE 10/95
WORK STAKED BY	BALLEW/WILSON	DATE 03/95 - 10/95
INSPECTOR'S ACCEPTANCE BY	WILSON & CO.	DATE 11/95
FIELD VERIFICATION BY	WILSON & CO.	DATE 10/95
DRAWINGS CORRECTED BY	HDR ENGINEERING	DATE

MICRO-FILM INFORMATION

RECORDED BY | DATE

NO.

BENCH MARKS

From centerline of Pajarito and Isleta, travel North 126' ± to the BM on the West side of the street. The BM is a standard ACS 3 1/4", aluminum cap rivetted to a pipe 0.25' above ground Cap is stamped "5-R11, 1988".

Spirit Level Elevation – 4912.078 ft.

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

WILLIAM F. ZIMMERMAN NEW MEXICO 6051 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REVISIONS	REMARKS	BY

DESIGN			
DESIGNED BY	WFZ, TAS, DW	DATE	DECEMBER 1993
DRAWN BY	TAS	DATE	DECEMBER 1993
CHECKED BY	WFZ, LC	DATE	DECEMBER 1994

HDR Engineering, Inc.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: LOS PADILLAS AREA
VACUUM COLLECTION SYSTEM AND FORCE MAIN – PHASE IIA
ISLETA BLVD.
LINE "B.2" STA. 0+88.66 TO STA. 14+67

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN			WATER		
TRANSPORTATION			WASTE WATER		
HYDROLOGY					

PROJECT NO.	MAP NO.	SHEET	OF
4687.91	T-11	CS-6	

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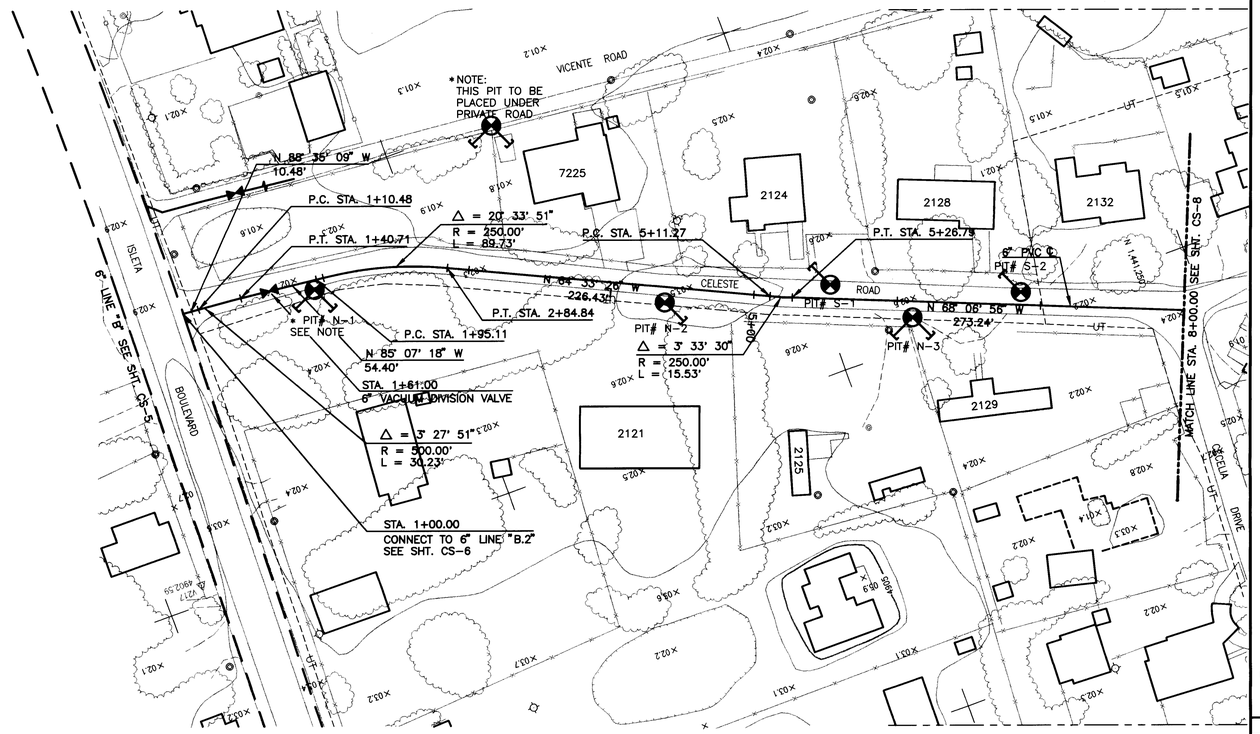
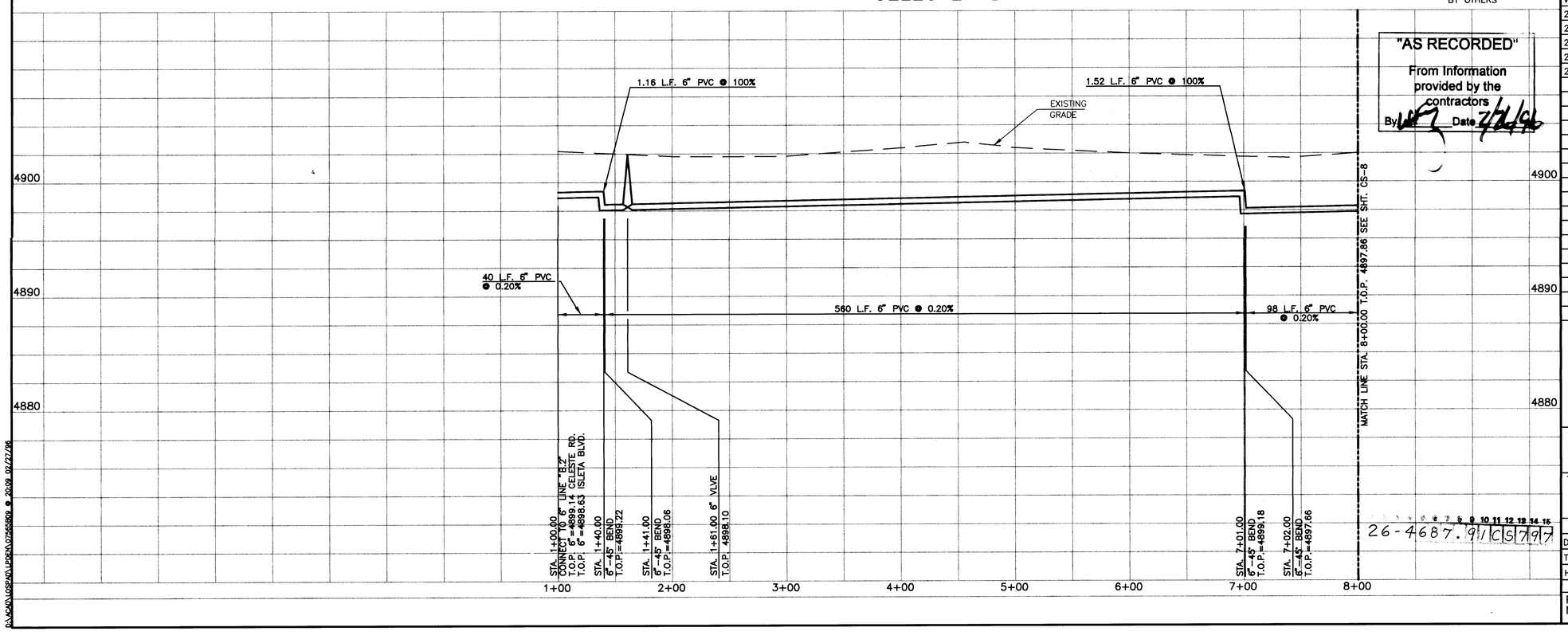


CELESTE RD.

* NOTE: PIT TO BE INSTALLED BY OTHERS

"AS RECORDED"
From Information provided by the contractors
By [illegible] Date 7/24/96



26-4687.91 CS 7 of 17

PLAN
SCALE: 1"=50'

PROFILE
SCALE: 1"=50' HOR
1"=5' VERT

LEGEND

NEW	EXIST.	
		VACUUM SEWER MAIN (ADDITIONAL)
		VACUUM SEWER MAIN OR FORCE MAIN
		VACUUM SEWER DIVISION VALVE, SEE DETAIL IN CONTRACT DOCUMENTS BOOK OR FORCE MAIN ISOLATION VALVE, SEE DTL. ON SHT. G-4
		STUB
		1" AIR RELEASE VALVE SEE DETAIL IN CONTRACT DOCUMENTS BOOK
		DRAIN MANHOLE SEE DETAIL ON SHEET G-4
		30"-3" "AIRVAC" VALVE AND PIT SEE NOTE 7 ON SHT. G-1
		WATER LINE
		GAS LINE
		UNDERGROUND TELEPHONE LINE
		UNDERGROUND ELECTRICAL LINE
		OVERHEAD POWER POLE W/ GUY WIRE
		LARGE TREE
		BRUSH
		SIGN
	X 00.0	SPOT ELEVATION

NOTES:
1) ALL LATERAL VACUUM MAIN CONNECTIONS SHALL BE CONSTRUCTED PER TYPICAL DETAIL SHOWN IN CONTRACT DOCUMENTS BOOK. REFER TO NOTES 1 AND 6 ON SHEET G-1 ABOUT STATIONING AND DETAILS AT THESE CONNECTIONS.

SERVICE LOCATION TABLE

STREET ADDRESS	STATION	PIT NO.
VACANT LOT	1+92	N-1
2121 CELESTE RD.	4+38	N-2
2125 CELESTE RD.	6+11	N-3
2129 CELESTE RD.	6+11	N-3
2124 CELESTE RD.	5+53	S-1
2128 CELESTE RD.	6+86	S-2

AS BUILT INFORMATION

CONTRACTOR	TRIAD	DATE 10/95
WORK STAKED BY	BALLEW/WILSON	DATE 10/95
INSPECTOR'S ACCEPTANCE BY	WILSON & CO.	DATE 11/95
FIELD VERIFICATION BY	WILSON & CO.	DATE 10/95
DRAWINGS CORRECTED BY	HDR ENGINEERING	DATE

MICRO-FILM INFORMATION

RECORDED BY	DATE
NO.	

BENCH MARKS

From centerline of Pajarito and Isleta, travel North 126' ± to the BM on the West side of the street. The BM is a standard ACS 3 1/4" aluminum cap rivetted to a pipe 0.25' above ground. Cap is stamped "5-R11, 1988". Spirit Level Elevation – 4912.078 ft.

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

WILLIAM E. ZIMMERMAN NEW MEXICO 8051 REGISTERED PROFESSIONAL ENGINEER
6/24/96

NO.	DATE	REMARKS

REVISIONS

DESIGN

DESIGNED BY	WFZ, TAS, DW	DATE DECEMBER 1993
DRAWN BY	TAS	DATE DECEMBER 1993
CHECKED BY	WFZ, LC	DATE DECEMBER 1994

HDR
HDR Engineering, Inc.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: LOS PADILLAS AREA
VACUUM COLLECTION SYSTEM AND FORCE MAIN – PHASE IIA
CELESTE ROAD
LINE "B.2.1" STA. 1+00 TO STA. 8+00

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN			WATER		
TRANSPORTATION			WASTE WATER		
HYDROLOGY					

PROJECT NO.	MAP NO.	SHEET	OF
4687.91	T-11	CS-7	

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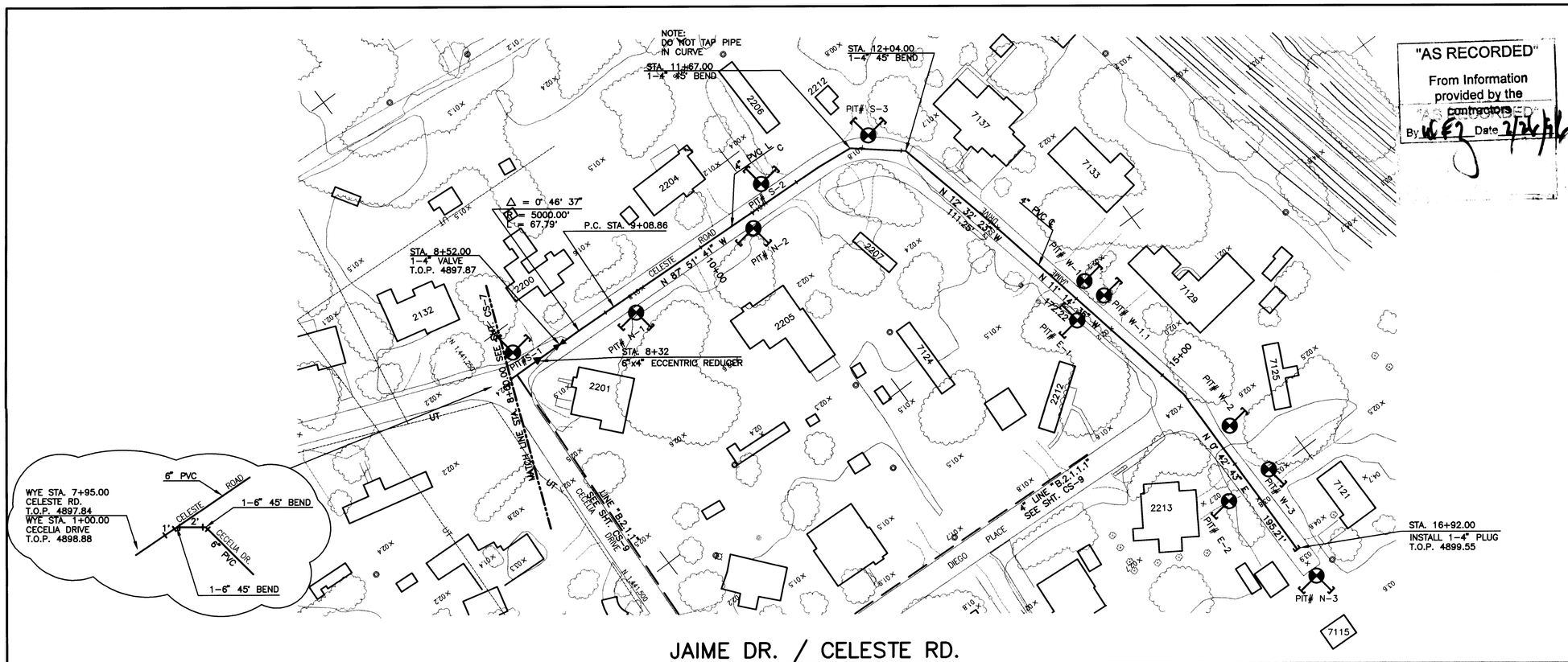
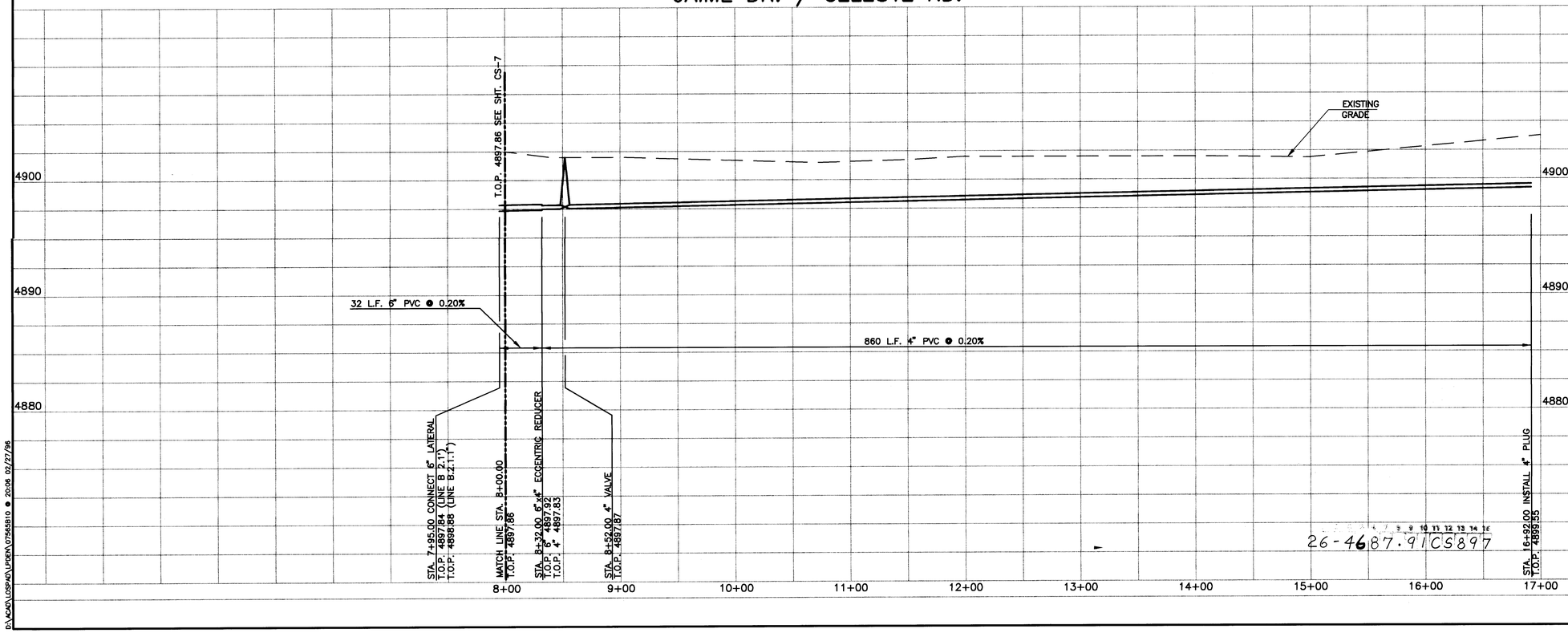


JAIME DR. / CELESTE RD.



PLAN
SCALE: 1"=50'

PROFILE
SCALE: 1"=50' HOR
1"=5' VERT

LEGEND

NEW / EXIST.

- VACUUM SEWER MAIN (ADDITIONAL)
- VACUUM SEWER MAIN OR FORCE MAIN
- VACUUM SEWER DIVISION VALVE, SEE DETAIL IN CONTRACT DOCUMENTS BOOK OR FORCE MAIN ISOLATION VALVE, SEE DTL. ON SHT. G-4
- STUB
- 1" AIR RELEASE VALVE SEE DETAIL IN CONTRACT DOCUMENTS BOOK
- DRAIN MANHOLE SEE DETAIL ON SHEET G-4
- 30"-3" "AIRVAC" VALVE AND PIT SEE NOTE 7 ON SHT. G-1
- WATER LINE
- GAS LINE
- UNDERGROUND TELEPHONE LINE
- UNDERGROUND ELECTRICAL LINE
- OVERHEAD POWER POLE W/ GUY WIRE
- LARGE TREE
- BRUSH
- SIGN
- X 00.0 SPOT ELEVATION

NOTES:
1) ALL LATERAL VACUUM MAIN CONNECTIONS SHALL BE CONSTRUCTED PER TYPICAL DETAIL SHOWN IN CONTRACT DOCUMENTS BOOK. REFER TO NOTES 1 AND 8 ON SHEET G-1 ABOUT STATIONING AND DETAILS AT THESE CONNECTIONS.

SERVICE LOCATION TABLE

STREET ADDRESS	STATION	PIT NO.
2132 / 2200 CELESTE RD	8+15	S-1
2204 / 2206 CELESTE RD	10+74	S-2
2112 CELESTE RD.	11+82	S-3
7137 JAIME DRIVE	11+82	S-3
2201 / 2205 CELESTE RD	9+22	N-1
2205 / 2207 CELESTE RD	10+47	N-2
7133 JAIME DRIVE	13+95	W-1
7124 JAIME DRIVE	14+14	E-1
2212 DIEGO PL.	14+14	E-1
7129 JAIME DRIVE	14+37	W-1.1
7125 JAIME DRIVE	15+50	W-2
7121 JAIME DRIVE	16+21	W-3
2213 DIEGO PL.	16+23	E-2
7115 JAIME DRIVE	17+20	N-3
VACENT LOT		

AS BUILT INFORMATION

CONTRACTOR	TRIAD	DATE 10/95
WORK STAKED BY	BALLEW/WILSON	DATE 10/95
INSPECTOR'S ACCEPTANCE BY	WILSON & CO.	DATE 11/95
VERIFICATION INSPECTION BY	WILSON & CO.	DATE 10/95
CORRECTED BY	HDR ENGINEERING	DATE

MICRO-FILM INFORMATION

RECORDED BY: DATE:
NO.

BENCH MARKS

From centerline of Pajarito and Isleta, travel North 126' ± to the BM on the West side of the street. The BM is a standard ACS 3 1/4", aluminum cap rivetted to a pipe 0.25' above ground. Cap is stamped "5-R11, 1988". Spirit Level Elevation – 4912.078 ft.

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

WILLIAM F. ZIMMERMAN
NEW MEXICO
8851
REGISTERED PROFESSIONAL ENGINEER
2/26/96

REMARKS

REVISIONS

NO.	DATE	BY

DESIGN

DESIGNED BY	WFZ, TAS, DW	DATE DECEMBER 1993
DRAWN BY	TAS	DATE DECEMBER 1993
CHECKED BY	WFZ, LC	DATE DECEMBER 1994

HDR
HDR Engineering, Inc.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE:
LOS PADILLAS AREA
VACUUM COLLECTION SYSTEM AND FORCE MAIN – PHASE IIA
JAIME DRIVE / CELESTE ROAD
LINE "B.2.1" STA. 8+00 TO STA. 17+00

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN			WATER		
TRANSPORTATION			WASTE WATER		
HYDROLOGY					

PROJECT NO. 4687.91 | MAP NO. T-11 | SHEET CS-8 OF

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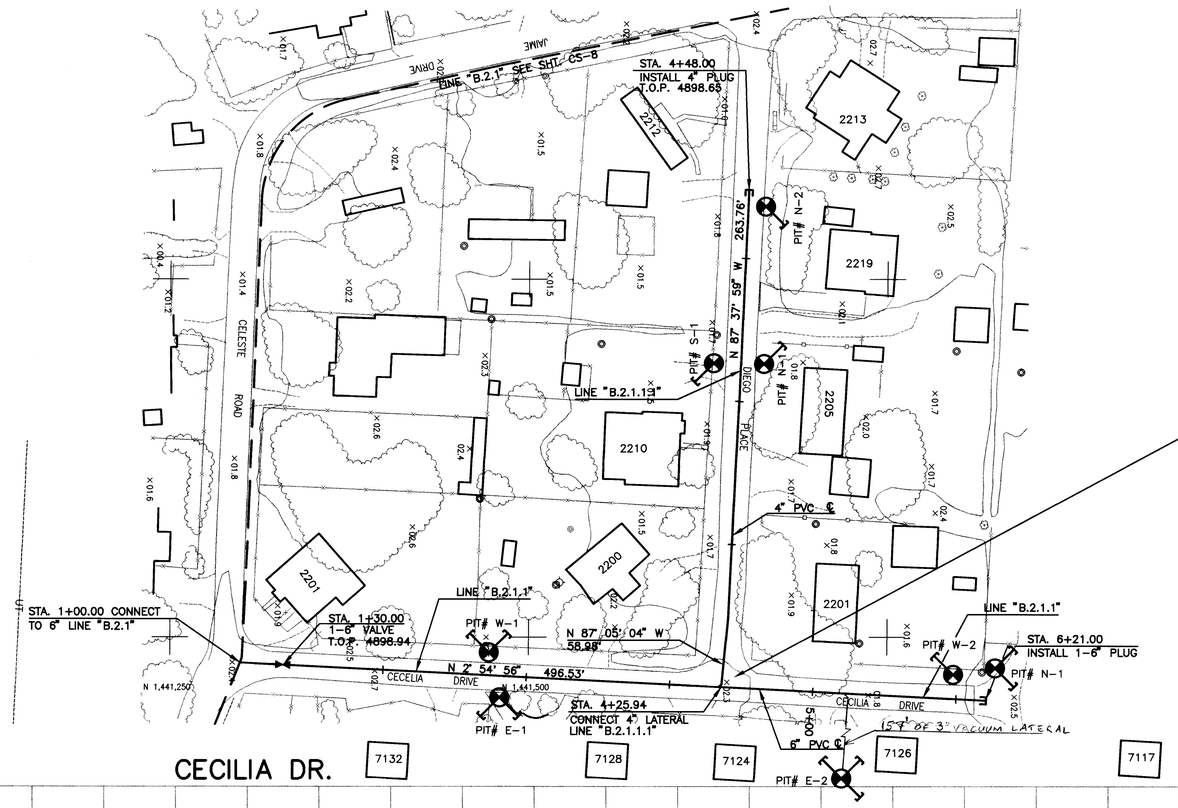
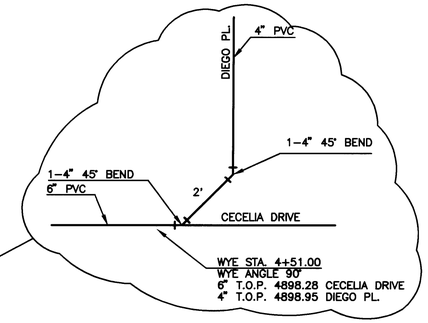




"AS RECORDED"
From Information provided by the contractors
By: [illegible] Date: 2/26/96

PLAN
SCALE: 1"=50'

PROFILE
SCALE: 1"=50' HOR
1"=5' VERT

LEGEND

NEW — EXIST.

- VACUUM SEWER MAIN (ADDITIONAL)
- VACUUM SEWER MAIN OR FORCE MAIN
- VACUUM SEWER DIVISION VALVE, SEE DETAIL IN CONTRACT DOCUMENTS BOOK OR FORCE MAIN ISOLATION VALVE, SEE DTL. ON SHT. G-4
- STUB
- 1" AIR RELEASE VALVE SEE DETAIL IN CONTRACT DOCUMENTS BOOK
- DRAIN MANHOLE SEE DETAIL ON SHEET G-4
- 30"-3" "AIRVAC" VALVE AND PIT SEE NOTE 7 ON SHT. G-1
- —W— WATER LINE
- —G— GAS LINE
- —UT— UNDERGROUND TELEPHONE LINE
- —UE— UNDERGROUND ELECTRICAL LINE
- OVERHEAD POWER POLE W/ GUY WIRE
- LARGE TREE
- BRUSH
- SIGN
- X 00.0 SPOT ELEVATION

NOTES:
1) ALL LATERAL VACUUM MAIN CONNECTIONS SHALL BE CONSTRUCTED PER TYPICAL DETAIL SHOWN IN CONTRACT DOCUMENTS BOOK. REFER TO NOTES 1 AND 6 ON SHEET G-1 ABOUT STATIONING AND DETAILS AT THESE CONNECTIONS.

SERVICE LOCATION TABLE

STREET ADDRESS	STATION	PIT NO.
2201 CELESTE RD.	2+73	W-1
2200 DIEGO PL.	2+73	W-1
7132 CECILIA DR.	2+82	E-1
7128 CECILIA DR.	2+82	E-1
7124 CECILIA DR.	5+23	E-2
7125 CECILIA DR.	5+23	E-2
7126 CECILIA DR.	5+23	E-2
2201 DIEGO PL.	5+97	W-2
7121 CECILIA DR.	6+26	N-1
7117 CECILIA DR.	6+26	N-1
2205 DIEGO PL.	3+27	N-1
2210 DIEGO PL.	3+26	S-1
2219 DIEGO PL.	4+48	N-2

AS BUILT INFORMATION

CONTRACTOR	TRIAD	DATE 10/95
WORK STAKED BY	BALLEW/WILSON	DATE 10/95
INSPECTOR'S ACCEPTANCE BY	WILSON & CO.	DATE 11/95
FIELD VERIFICATION BY	WILSON & CO.	DATE 10/95
DRAWINGS CORRECTED BY	HDR ENGINEERING	DATE

MICRO-FILM INFORMATION

RECORDED BY: DATE
NO.

BENCH MARKS

From centerline of Pajarito and Isleta, travel North 126' ± to the BM on the West side of the street. The BM is a standard ACS 3 1/4" aluminum cap riveted to a pipe 0.25' above ground. Cap is stamped "5-R11, 1988". Spirit Level Elevation – 4912.078 ft.

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

WILLIAM F. ZIMMERMAN
NEW MEXICO
8851
REGISTERED PROFESSIONAL ENGINEER
2/26/96

NO.	DATE	REMARKS	BY

REVISIONS

DESIGN

DESIGNED BY WFZ, TAS, DW DATE DECEMBER 1993
DRAWN BY TAS DATE DECEMBER 1993
CHECKED BY WFZ, LC DATE DECEMBER 1994

HDR
HDR Engineering, Inc.

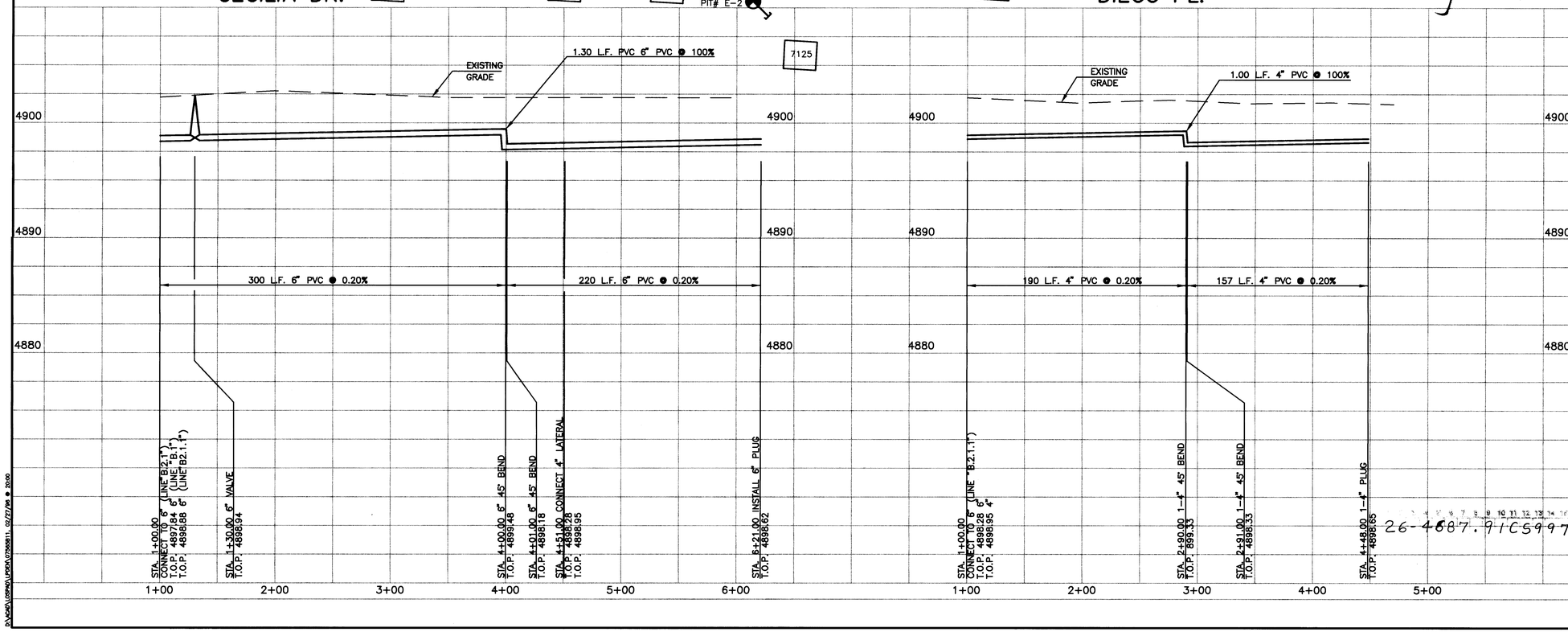
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: LOS PADILLAS AREA
VACUUM COLLECTION SYSTEM AND FORCE MAIN – PHASE IIA
CECILIA DRIVE / DIEGO PLACE
LINE "B.2.1.1" STA 1+00 TO 5+95 & "B.2.1.1.1" STA 1+00 TO 4+70

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN			WATER		
TRANSPORTATION			WASTE WATER		
HYDROLOGY					

26-4687.91C5997

PROJECT NO. 4687.91 | MAP NO. T-11 | SHEET CS-9 OF



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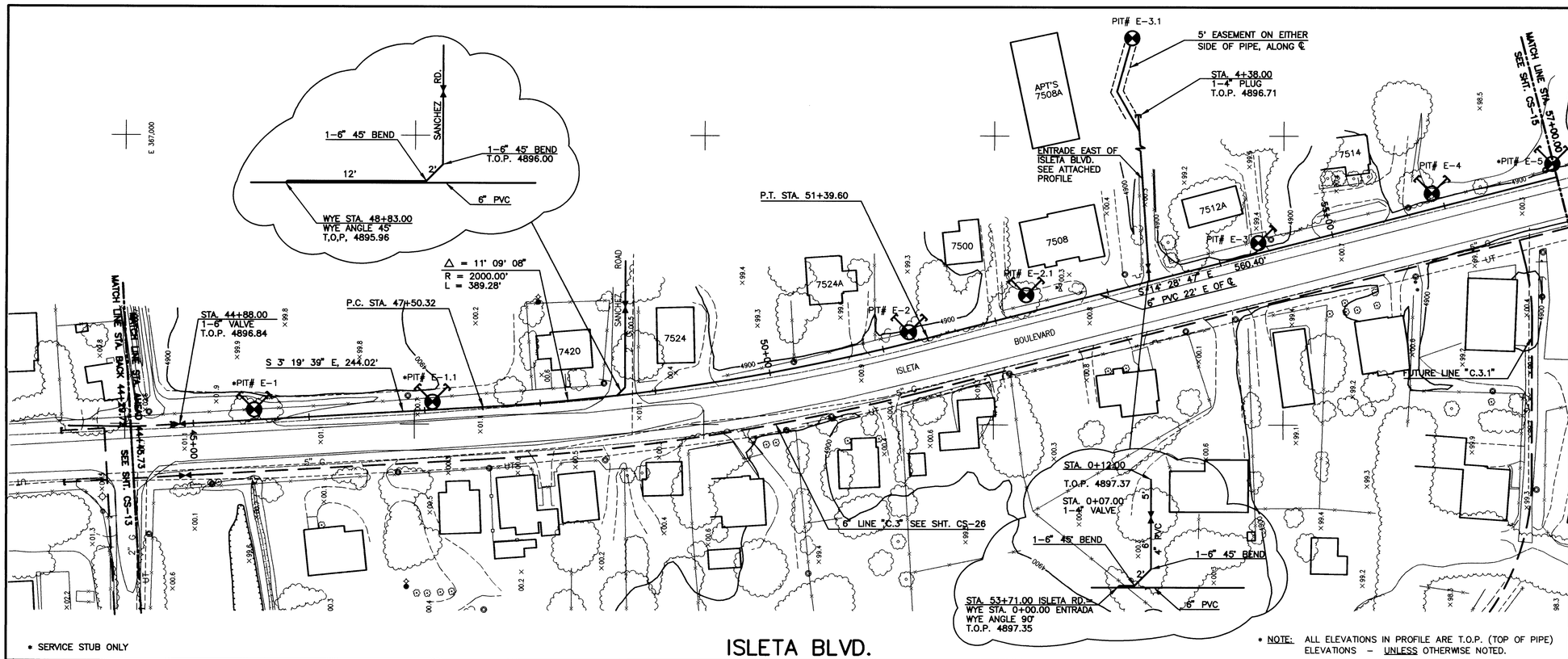
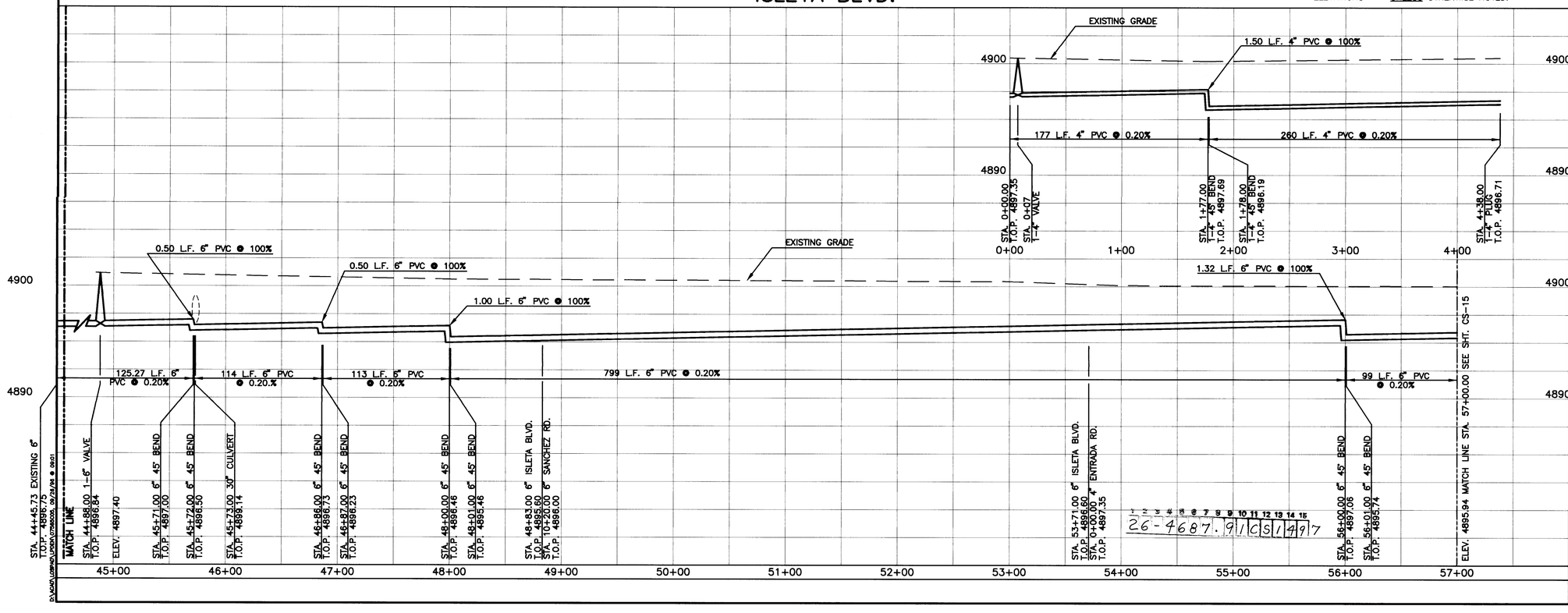


* SERVICE STUB ONLY

* NOTE: ALL ELEVATIONS IN PROFILE ARE T.O.P. (TOP OF PIPE) ELEVATIONS – UNLESS OTHERWISE NOTED.

ISLETA BLVD.



PLAN

SCALE: 1"=50'

PROFILE

SCALE: 1"=50' HOR
1"=5' VERT

LEGEND

- STUB
- VALVE PIT
- WATER METER OR WELL PUMP
- FLOW DIRECTION
- MISCELANEOUS UTILITY
- PLUG OR CAP
- CROSS SECTION OF CULVERT
- VACUUM SEWER PIPE
- LIGHT POLE
- ELECTRICAL POLE
- ELECTRICAL TRANSFORMER PAD
- ISOLATION VALVE (PROFILE)
- ISOLATION VALVE (PLAN)

SEWER SERVICE SCHEDULE

STATION	ADDRESS	PIT NO.
45+53	VACANT LOT	E-1
51+25	7524A ISLETA BLVD.	E-2
51+25	7500 ISLETA BLVD.	E-2
54+66	7512A ISLETA BLVD.	E-3
55+92	7514A & B ISLETA BLVD.	E-4
56+99	7540 ISLETA BLVD.	E-5
52+31	7500 ISLETA BLVD.	E-2.1
52+31	7508 ISLETA BLVD.	E-2.1
47+07	VACANT LOT	E-1.1
53+75	7512B ISLETA BLVD.	E-3.1

"AS RECORDED"
From Information provided by the contractors
By [illegible] Date 9/27/96

HDR Engineering, Inc.

AS BUILT INFORMATION

CONTRACTOR TRIAD DATE 10/95
WORK STAKED BY BALLEW/WILSON DATE 10/95
INSPECTOR'S ACCEPTANCE BY WILSON & CO. DATE 11/95
FIELD VERIFICATION BY WILSON & CO. DATE 10/95
DRAWINGS CORRECTED BY HDR ENGINEERING DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

From centerline of Pajarito and Isleta, travel North 126' ± to the BM on the West side of the street. The BM is a standard ACS 3 1/4" aluminum cap rivetted to a pipe 0.25' above ground. Cap is stamped "5-R11, 1988".

Spirit Level Elevation – 4912.078 ft.

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

7/27/96

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY WFZ, TAS DATE OCTOBER 1994
DRAWN BY TAS DATE NOVEMBER 1994
CHECKED BY WFZ, LC DATE JUNE 1995

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

TITLE: SOUTHWEST VALLEY SEWER EXTENSIONS
LOS PADILLAS VACUUM COLLECTION SYSTEM – PHASE IIA
ISLETA BLVD.
LINE "C" STA. 44+45.73 TO STA. 57+00

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN			WATER		
TRANSPORTATION			WASTE WATER		
HYDROLOGY					

PROJECT NO. 4687.91 | MAP NO. T-11/U-11 | SHEET CS-14 OF

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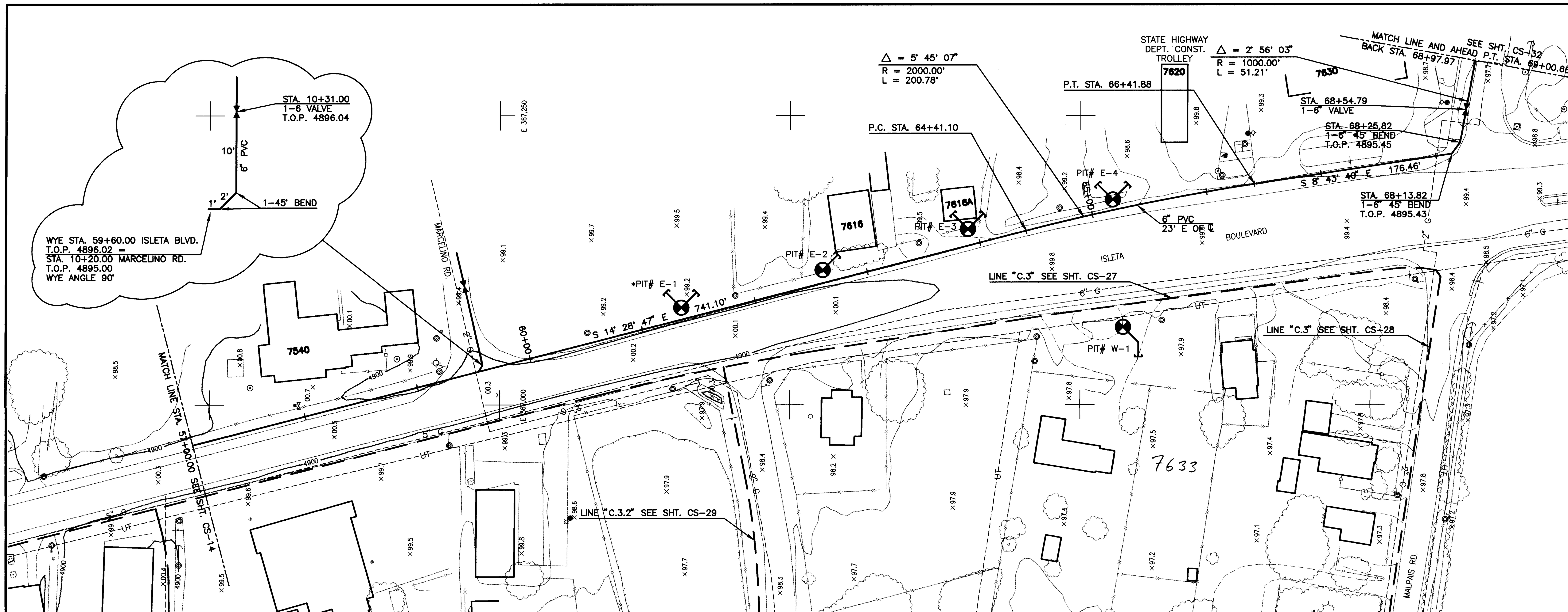


PLAN SCALE: 1"=50'

PROFILE SCALE: 1"=50' HOR, 1"=5' VERT

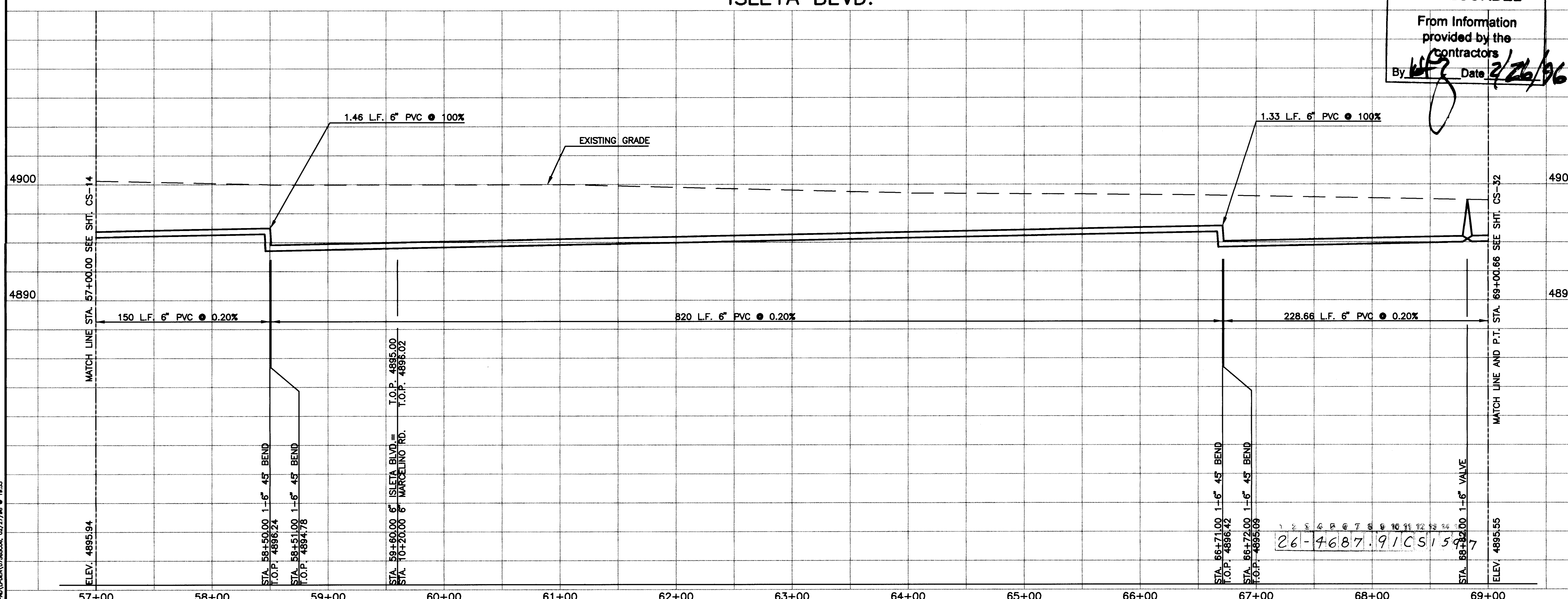
LEGEND

NEW / EXIST.

- VACUUM SEWER MAIN (ADDITIONAL)
- VACUUM SEWER MAIN OR FORCE MAIN
- VACUUM SEWER DIVISION VALVE, SEE DETAIL IN CONTRACT DOCUMENTS BOOK OR FORCE MAIN ISOLATION VALVE, SEE DTL. ON SHT. G-4
- STUB
- 1" AIR RELEASE VALVE SEE DETAIL IN CONTRACT DOCUMENTS BOOK
- DRAIN MANHOLE SEE DETAIL ON SHEET G-4
- 30"-3" "AIRVAC" VALVE AND PIT SEE NOTE 7 ON SHT. G-1
- WATER LINE
- GAS LINE
- UNDERGROUND TELEPHONE LINE
- UNDERGROUND ELECTRICAL LINE
- OVERHEAD POWER POLE W/ GUY WIRE
- LARGE TREE
- BRUSH
- SIGN
- X 00.0 SPOT ELEVATION

NOTES:
1) ALL LATERAL VACUUM MAIN CONNECTIONS SHALL BE CONSTRUCTED PER TYPICAL DETAIL SHOWN IN CONTRACT DOCUMENTS BOOK. REFER TO NOTES 1 AND 6 ON SHEET G-1 ABOUT STATIONING AND DETAILS AT THESE CONNECTIONS.

ISLETA BLVD.



"AS RECORDED"
From Information provided by the contractors
By WFZ Date 2/26/96

26-4687.91CS15-7

STREET ADDRESS	STATION	PIT NO.
VACANT LOT	61+37	E-1
7616 ISLETA BLVD.	62+63	E-2
7616A ISLETA BLVD.	62+93	E-3
VACANT LOT	65+20	E-4
7633 ISLETA BLVD	65+00	W-1

SERVICE LOCATION TABLE

AS BUILT INFORMATION
CONTRACTOR TRIAD — DATE 10/95
WORK STAKED BY BALLEW/WILSON — DATE 03/95
INSPECTOR'S ACCEPTANCE BY WILSON & CO. — DATE 11/95
FIELD VERIFICATION BY WILSON & CO. — DATE 10/95
DRAWINGS CORRECTED BY HDR ENGINEERING — DATE

MICRO-FILM INFORMATION
RECORDED BY — DATE — NO.

BENCH MARKS
From centerline of Pajarito and Isleta, travel North 126' ± to the BM on the West side of the street. The BM is a standard ACS 3 1/4" aluminum cap rivetted to a pipe 0.25' above ground Cap is stamped "5-R11, 1985".
Spirit Level Elevation — 4912.078 ft.

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

ENGINEER'S SEAL — WILLIAM F. ZIMMERMAN, NEW MEXICO, 8051, REGISTERED PROFESSIONAL ENGINEER — WFZ 2/26/96

REMARKS / REVISIONS — NO. — DATE — BY

DESIGN
DESIGNED BY WFZ, TAS, DW — DATE DECEMBER 1993
DRAWN BY TAS — DATE DECEMBER 1993
CHECKED BY WFZ, LC — DATE DECEMBER 1994

HDR Engineering, Inc.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: LOS PADILLAS AREA
VACUUM COLLECTION SYSTEM AND FORCE MAIN — PHASE IIA
ISLETA BLVD.
LINE "C" STA. 57+00 TO STA. 69+00.66

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN			WATER		
TRANSPORTATION			WASTE WATER		
HYDROLOGY					

PROJECT NO. 4687.91 — MAP NO. U-11 — SHEET CS-15 OF

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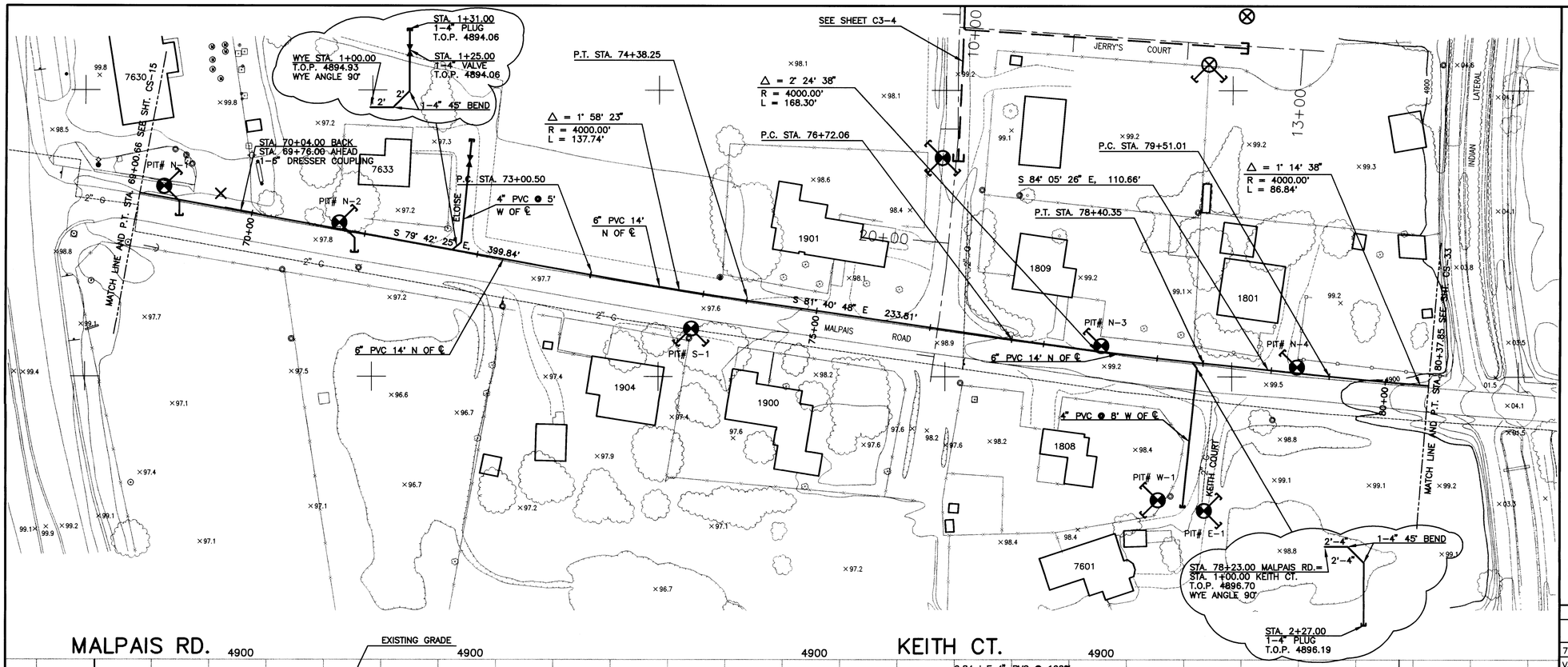

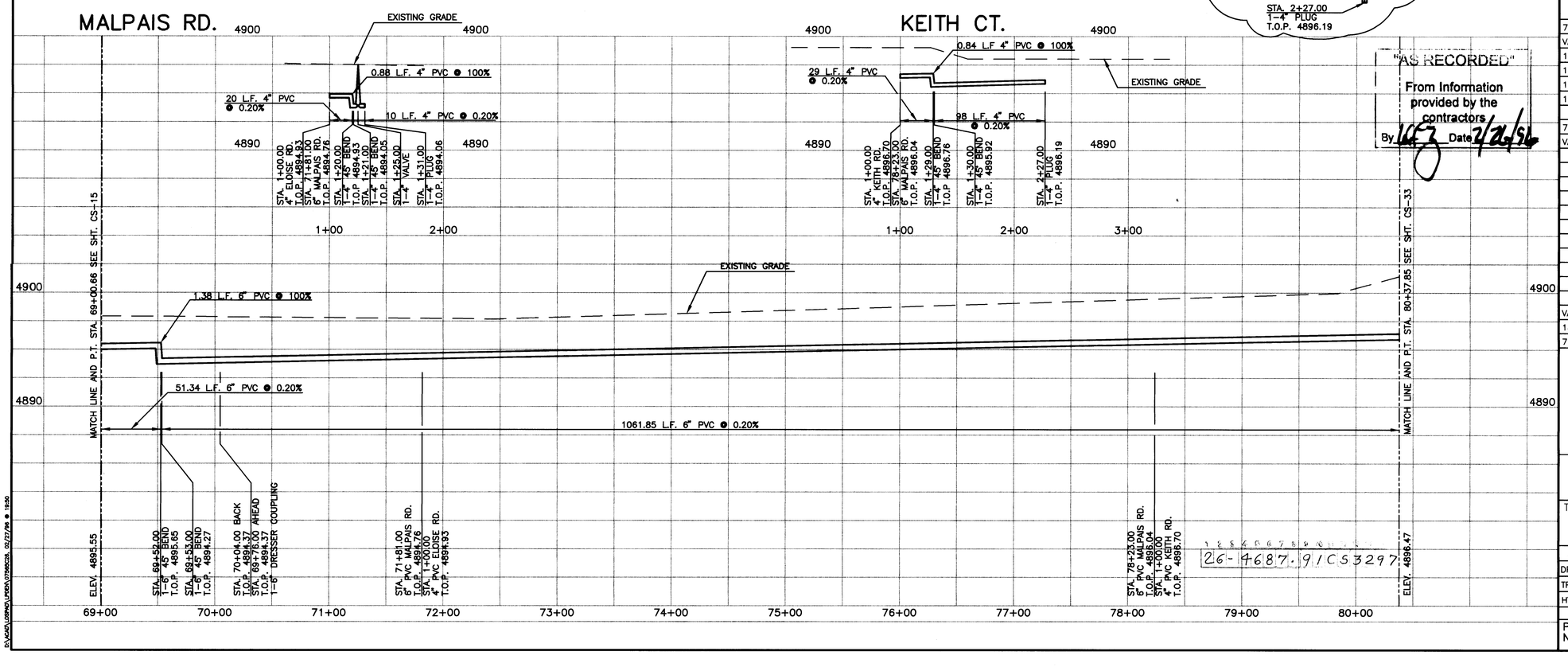

"AS RECORDED"
From Information provided by the contractors
By WFZ Date 2/26/96

PLAN SCALE: 1"=50'

PROFILE SCALE: 1"=50' HOR 1"=5' VERT

LEGEND

NEW	EXIST.	
		VACUUM SEWER MAIN (ADDITIONAL)
		VACUUM SEWER MAIN OR FORCE MAIN
		VACUUM SEWER DIVISION VALVE, SEE DETAIL IN CONTRACT DOCUMENTS BOOK OR FORCE MAIN ISOLATION VALVE, SEE DTL. ON SHT. G-4
		STUB
		1" AIR RELEASE VALVE SEE DETAIL IN CONTRACT DOCUMENTS BOOK
		DRAIN MANHOLE SEE DETAIL ON SHEET G-4
		30"-3" "AIRVAC" VALVE AND PIT SEE NOTE 7 ON SHT. G-1
--W--		WATER LINE
--G--		GAS LINE
--UT--		UNDERGROUND TELEPHONE LINE
--UE--		UNDERGROUND ELECTRICAL LINE
		OVERHEAD POWER POLE W/ GUY WIRE
		LARGE TREE
		BRUSH
		SIGN
X 00.0		SPOT ELEVATION

NOTES:
1) ALL LATERAL VACUUM MAIN CONNECTIONS SHALL BE CONSTRUCTED PER TYPICAL DETAIL SHOWN IN CONTRACT DOCUMENTS BOOK. REFER TO NOTES 1 AND 6 ON SHEET G-1 ABOUT STATIONING AND DETAILS AT THESE CONNECTIONS.

SERVICE LOCATION TABLE

STREET ADDRESS	STATION	PIT NO.
7630 ISLETA BLVD.	69+20	N-1
VACANT LOT	69+20	N-1
1904 MALPAIS RD.	73+95	S-1
1900 MALPAIS RD.	73+95	S-1
1809 MALPAIS RD.	77+50	N-3
1801 MALPAIS RD.	79+22	N-4
7633 ELOISE RD.	70+76	N-2
VACANT LOT	70+76	N-2
VACANT LOT	2+28	E-1
1808 MALPAIS RD.	2+23	W-1
7601 KEITH CT.	2+23	W-1

AS BUILT INFORMATION
CONTRACTOR TRIAD DATE 10/95
WORK STAKED BY BALLEW/WILSON DATE 03/95
INSPECTOR'S ACCEPTANCE BY WILSON & CO. DATE 11/95
VERIFICATION BY WILSON & CO. DATE 10/95
DRAWINGS CORRECTED BY HDR ENGINEERING DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
From centerline of Pajarito and Isleta, travel North 126' ± to the BM on the West side of the street. The BM is a standard ACS 3 1/4" aluminum cap riveted to a pipe 0.25' above ground. Cap is stamped "5-R11, 1988". Spirit Level Elevation - 4912.078 ft.

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
WILLIAM F. ZIMMERMAN
NEW MEXICO 8051
REGISTERED PROFESSIONAL ENGINEER
2/26/96

NO. DATE REMARKS BY
REVISIONS
DESIGNED BY WFZ, TAS, DW DATE DECEMBER 1993
DRAWN BY TAS DATE DECEMBER 1993
CHECKED BY WFZ, LC DATE DECEMBER 1994

HDR
HDR Engineering, Inc.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: LOS PADILLAS AREA
VACUUM COLLECTION SYSTEM AND FORCE MAIN - PHASE IIA
MALPAIS ROAD
LINE "C" STA. 69+00.66 TO STA. 80+37.85

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN			WATER		
TRANSPORTATION			WASTE WATER		
HYDROLOGY					

PROJECT NO. 4687.91 MAP NO. U-12 SHEET CS-32 OF

D:\ACAD\LOSPAD\LPDEN\07565C26 Tue Feb 27 19:51:18 1996
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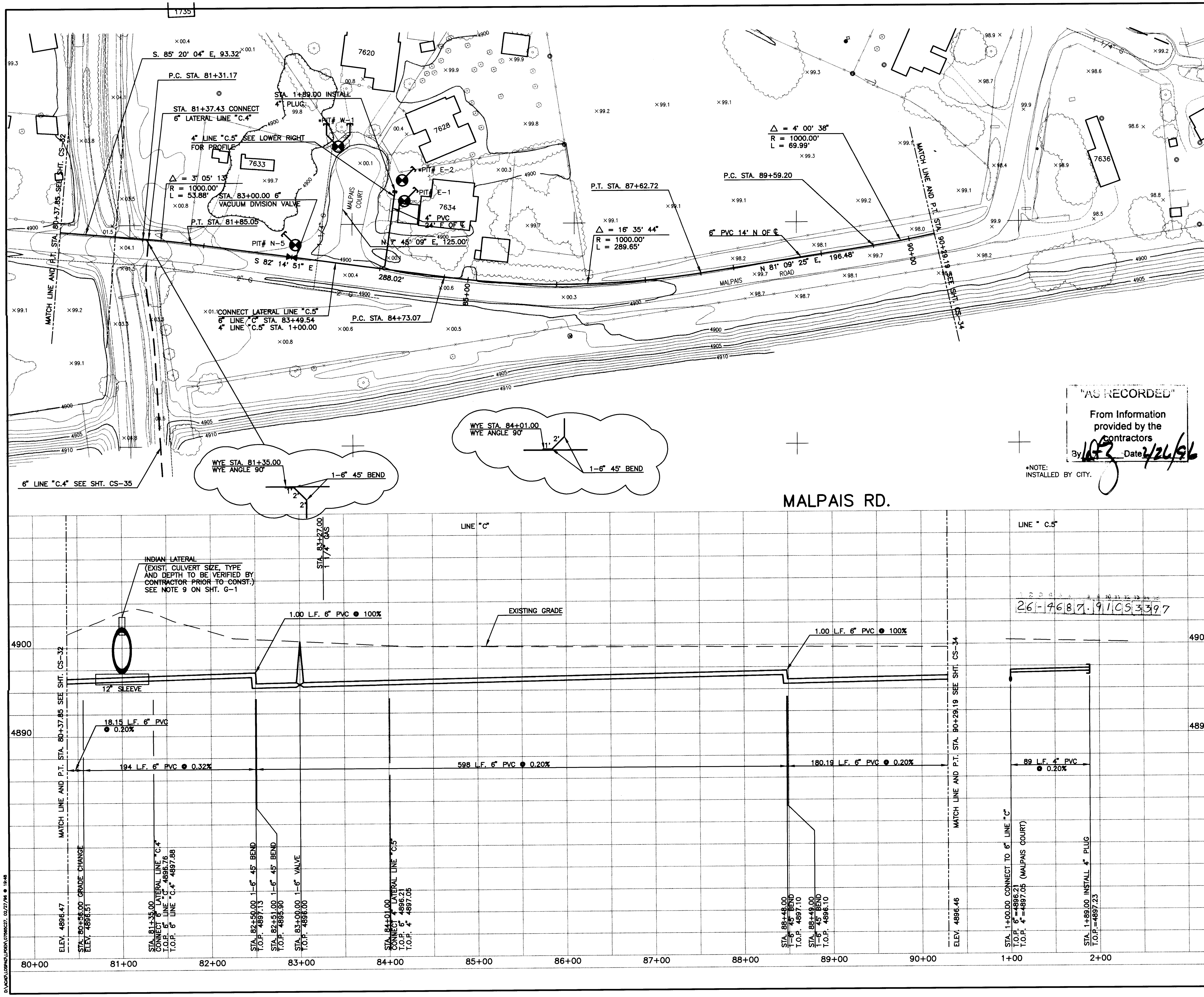

PLAN SCALE: 1"=50'

PROFILE SCALE: 1"=50' HOR 1"=5' VERT

LEGEND

NEW / EXIST.

- VACUUM SEWER MAIN (ADDITIONAL)
- VACUUM SEWER MAIN OR FORCE MAIN
- VACUUM SEWER DIVISION VALVE, SEE DETAIL IN CONTRACT DOCUMENTS BOOK OR FORCE MAIN ISOLATION VALVE, SEE DTL. ON SHT. G-4
- STUB
- 1" AIR RELEASE VALVE SEE DETAIL IN CONTRACT DOCUMENTS BOOK
- DRAIN MANHOLE SEE DETAIL ON SHEET G-4
- 30"-3" "AIRVAC" VALVE AND PIT SEE NOTE 7 ON SHT. G-1
- WATER LINE
- GAS LINE
- UNDERGROUND TELEPHONE LINE
- UNDERGROUND ELECTRICAL LINE
- OVERHEAD POWER POLE W/ GUY WIRE
- LARGE TREE
- BRUSH
- SIGN
- X 00.0 SPOT ELEVATION

NOTES:
1) ALL LATERAL VACUUM MAIN CONNECTIONS SHALL BE CONSTRUCTED PER TYPICAL DETAIL SHOWN IN CONTRACT DOCUMENTS BOOK. REFER TO NOTES 1 AND 6 ON SHEET G-1 ABOUT STATIONING AND DETAILS AT THESE CONNECTIONS.

SERVICE LOCATION TABLE

STREET ADDRESS	STATION	PIT NO.
7633 MALPAIS RD.	83+02	N-5
* 7628 MALPAIS CT.	2+02	E-2
* 7620 MALPAIS CT.	2+30	W-1
7634 MALPAIS CT.	1+79	E-1

AS BUILT INFORMATION

CONTRACTOR: TRIAD — DATE 10/95
WORK STAKED BY: BALLEW/WILSON — DATE 11/95
INSPECTOR'S ACCEPTANCE BY: WILSON & CO. — DATE 11/95
FIELD VERIFICATION BY: WILSON & CO. — DATE 10/95
DRAWINGS CORRECTED BY: HDR ENGINEERING — DATE

MICRO-FILM INFORMATION

RECORDED BY / DATE / NO.

BENCH MARKS

From centerline of Pajarito and Isleta, travel North 126' ± to the BM on the West side of the street. The BM is a standard ACS 3 1/4" aluminum cap rivetted to a pipe 0.25' above ground Cap is stamped "5-R11, 1988".

Spirit Level Elevation – 4912.078 ft.

SURVEY INFORMATION

FIELD NOTES — NO. / BY / DATE

ENGINEER'S SEAL

WILLIAM F. ZIMMERMAN, NEW MEXICO, 8051, REGISTERED PROFESSIONAL ENGINEER — 2/26/96

REMARKS / REVISIONS — NO. / DATE / BY

DESIGN

DESIGNED BY WFZ, TAS, DW — DATE DECEMBER 1993
DRAWN BY TAS — DATE DECEMBER 1993
CHECKED BY WFZ, LC — DATE DECEMBER 1994

HDR Engineering, Inc.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: LOS PADILLAS AREA
VACUUM COLLECTION SYSTEM AND FORCE MAIN – PHASE IIA
MALPAIS ROAD
LINE "C" STA. 80+37.85 TO 90+29.19/LINE "C.5" STA. 1+00 TO 2+25

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN			WATER		
TRANSPORTATION			WASTE WATER		
HYDROLOGY					

PROJECT NO. 4687.91 | MAP NO. U-12 | SHEET CS-33 OF .

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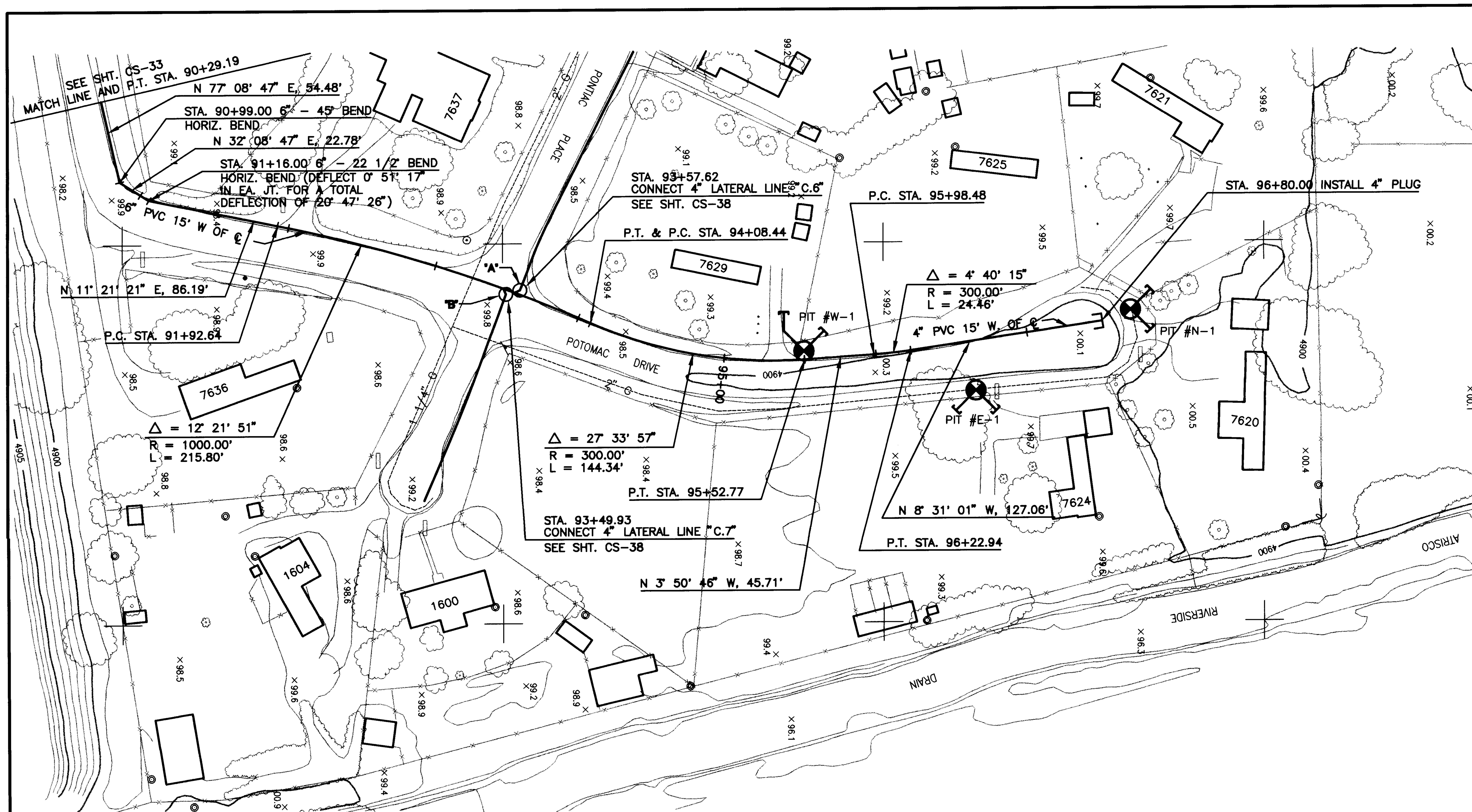
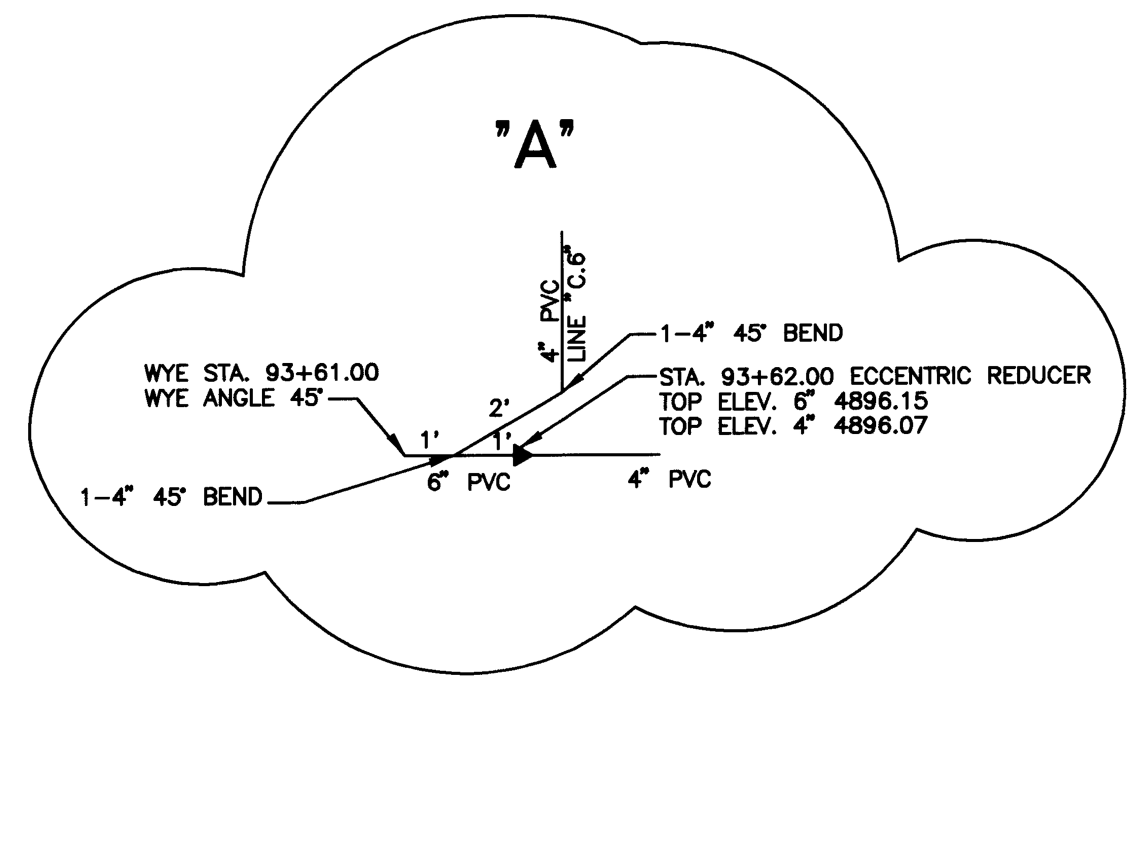
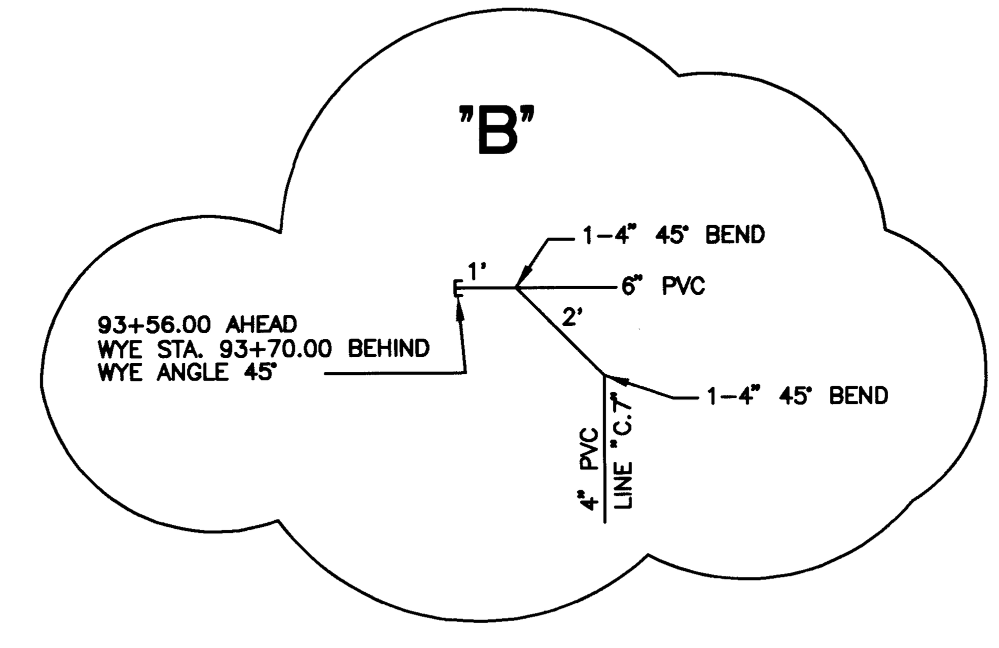
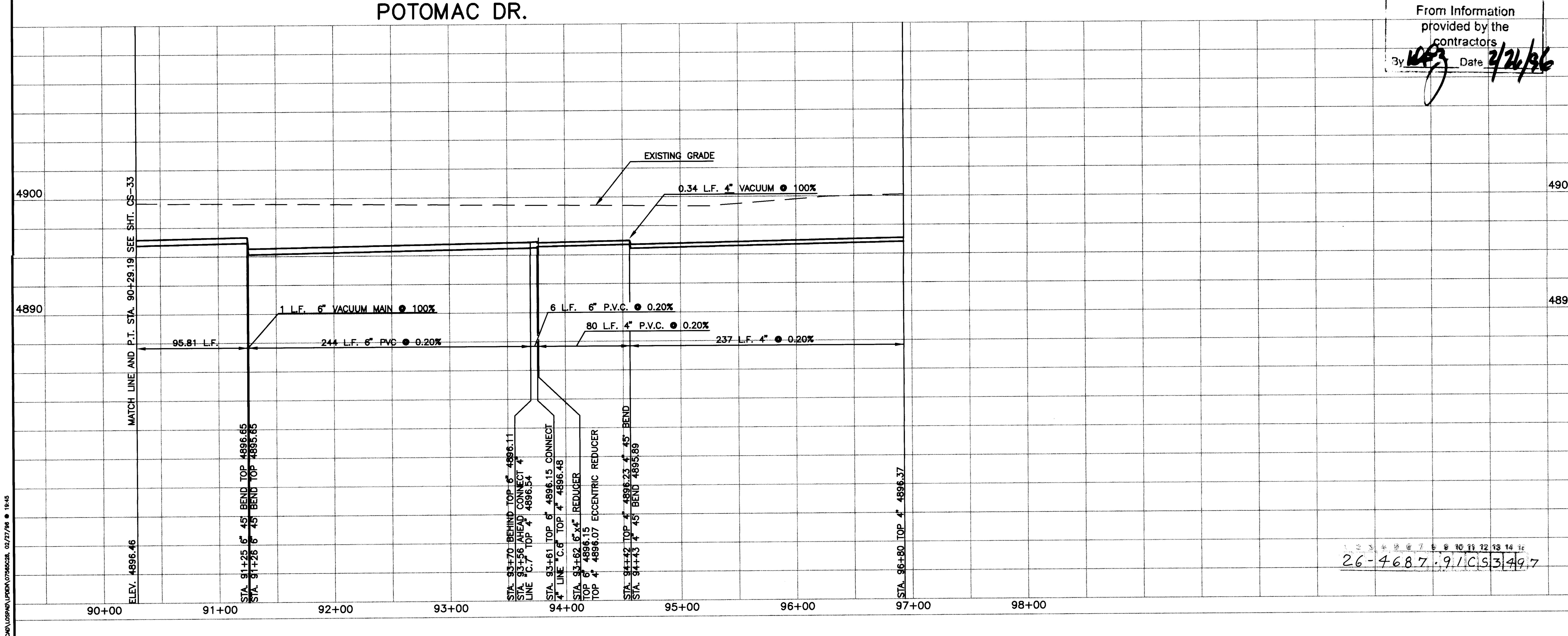


POTOMAC DR.







"AS RECORDED"
From Information provided by the contractors
By [signature] Date 2/26/96

26-4687.91CS3497

PLAN SCALE: 1"=50'

PROFILE SCALE: 1"=50' HOR 1"=5' VERT

LEGEND

NEW	EXIST.	
		VACUUM SEWER MAIN (ADDITIONAL)
		VACUUM SEWER MAIN OR FORCE MAIN
		VACUUM SEWER DIVISION VALVE, SEE DETAIL IN CONTRACT DOCUMENTS BOOK OR FORCE MAIN ISOLATION VALVE, SEE DTL. ON SHT. G-4
		STUB
		1" AIR RELEASE VALVE SEE DETAIL IN CONTRACT DOCUMENTS BOOK
		DRAIN MANHOLE SEE DETAIL ON SHEET G-4
		30"-3" "AIRVAC" VALVE AND PIT SEE NOTE 7 ON SHT. G-1
	---W---	WATER LINE
	---G---	GAS LINE
	---UT---	UNDERGROUND TELEPHONE LINE
	---UE---	UNDERGROUND ELECTRICAL LINE
		OVERHEAD POWER POLE W/ GUY WIRE
		LARGE TREE
		BRUSH
		SIGN
	X 00.0	SPOT ELEVATION

NOTES:
1) ALL LATERAL VACUUM MAIN CONNECTIONS SHALL BE CONSTRUCTED PER TYPICAL DETAIL SHOWN IN CONTRACT DOCUMENTS BOOK. REFER TO NOTES 1 AND 6 ON SHEET G-1 ABOUT STATIONING AND DETAILS AT THESE CONNECTIONS.

SERVICE LOCATION TABLE

STREET ADDRESS	STATION	PIT NO.
7624 POTOMAC DR.	96+65	E-1
7620 POTOMAC DR.	97+71	N-1
7621 POTOMAC DR.	97+71	N-1
7625 POTOMAC DR.	95+55	W-1
7629 POTOMAC DR.	95+55	W-1

AS BUILT INFORMATION
CONTRACTOR TRIAD — DATE 10/95
WORK STAKED BY BALLEW/WILSON — DATE 10/95
INSPECTOR'S ACCEPTANCE BY WILSON & CO. — DATE 11/95
FIELD VERIFICATION BY WILSON & CO. — DATE 10/95
DRAWINGS CORRECTED BY HDR ENGINEERING — DATE

MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS
From centerline of Pajarito and Isleta, travel North 126' ± to the BM on the West side of the street. The BM is a standard ACS 3 1/4" aluminum cap rivetted to a pipe 0.25' above ground. Cap is stamped "5-R11, 1988".
Spirit Level Elevation – 4912.078 ft.

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
WILLIAM F. ZIMMERMAN, NEW MEXICO, 8851, REGISTERED PROFESSIONAL ENGINEER
[signature] 2/26/96

REVISIONS
NO. | DATE | REMARKS | BY

DESIGN
DESIGNED BY WFZ, TAS, DW — DATE DECEMBER 1993
DRAWN BY TAS — DATE DECEMBER 1993
CHECKED BY WFZ, LC — DATE DECEMBER 1994

HDR Engineering, Inc.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: LOS PADILLAS AREA
VACUUM COLLECTION SYSTEM AND FORCE MAIN – PHASE IIA
POTOMAC DRIVE
LINE "C" STA. 90+29.19 TO STA. 97+50

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN			WATER		
TRANSPORTATION			WASTE WATER		
HYDROLOGY					

PROJECT NO.	MAP NO.	SHEET	OF
4687.91	U-12	CS-34	.

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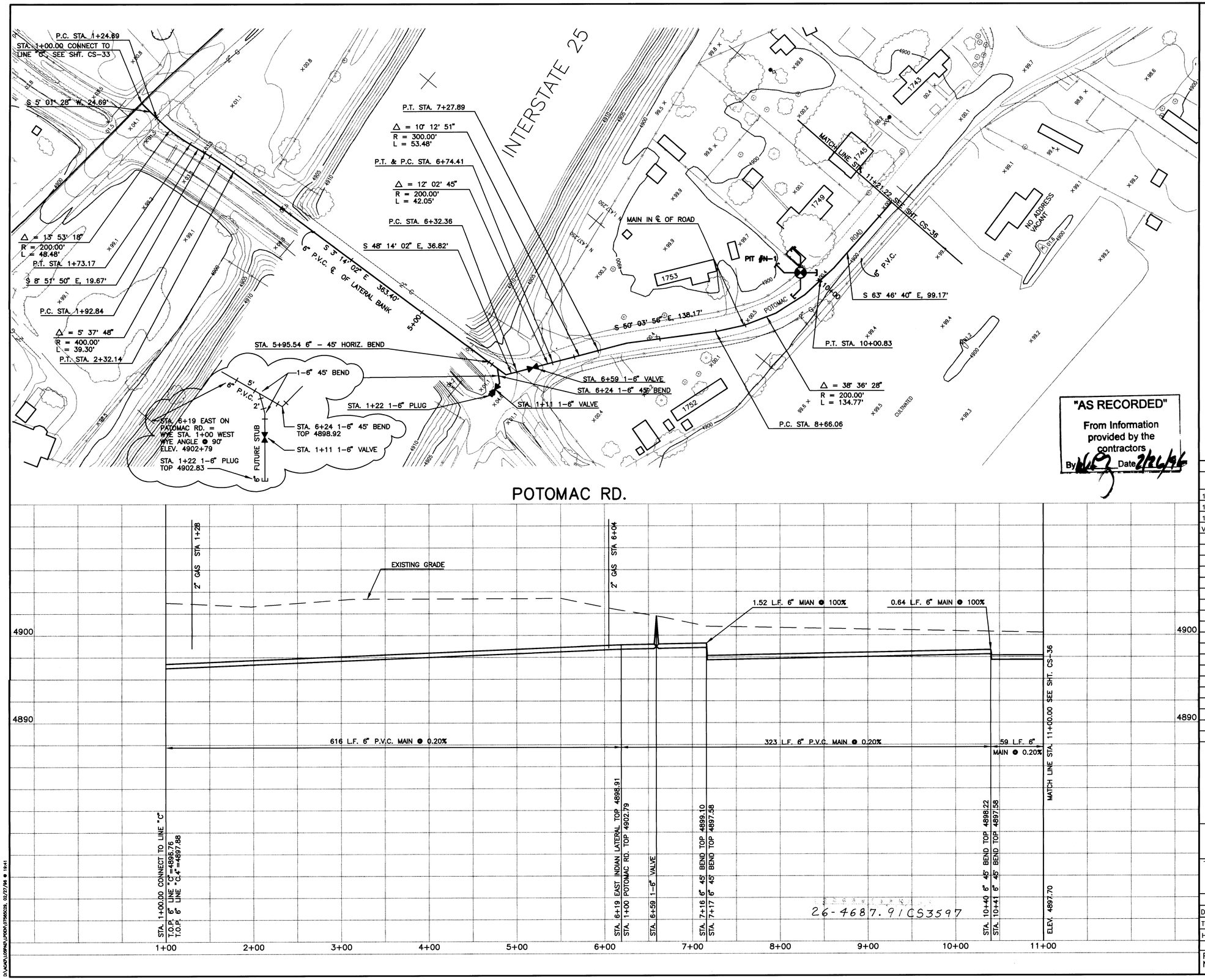

POTOMAC RD.

26-4687.91CS3597

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PLAN
SCALE: 1"=50'

PROFILE
SCALE: 1"=50' HOR
1"=5' VERT

LEGEND

NEW	EXIST.	
— — —		VACUUM SEWER MAIN (ADDITIONAL)
———		VACUUM SEWER MAIN OR FORCE MAIN
		VACUUM SEWER DIVISION VALVE, SEE DETAIL IN CONTRACT DOCUMENTS BOOK OR FORCE MAIN ISOLATION VALVE, SEE DTL. ON SHT. G-4
		STUB
		1" AIR RELEASE VALVE SEE DETAIL IN CONTRACT DOCUMENTS BOOK
		DRAIN MANHOLE SEE DETAIL ON SHEET G-4
		30"-3" "AIRVAC" VALVE AND PIT SEE NOTE 7 ON SHT. G-1
---W---		WATER LINE
---G---		GAS LINE
---UT---		UNDERGROUND TELEPHONE LINE
---UE---		UNDERGROUND ELECTRICAL LINE
		OVERHEAD POWER POLE W/ GUY WIRE
		LARGE TREE
		BRUSH
		SIGN
X 00.0		SPOT ELEVATION

NOTES:
1) ALL LATERAL VACUUM MAIN CONNECTIONS SHALL BE CONSTRUCTED PER TYPICAL DETAIL SHOWN IN CONTRACT DOCUMENTS BOOK. REFER TO NOTES 1 AND 6 ON SHEET G-1 ABOUT STATIONING AND DETAILS AT THESE CONNECTIONS.

SERVICE LOCATION TABLE

STREET ADDRESS	STATION	PIT NO.
1749 POTOMAC RD.	10+17	N-1
1753 POTOMAC RD.	10+17	N-1
1752 POTOMAC RD.	10+17	N-1
VACANT LOT	10+17	N-1

AS BUILT INFORMATION

CONTRACTOR	TRUAD	DATE 10/95
WORKED BY	BALLEW/WILSON	DATE 10/95
INSPECTOR'S CHANGE BY	WILSON & CO.	DATE 11/95
FIELD VERIFICATION BY	WILSON & CO.	DATE 11/95
DRAWINGS CORRECTED BY	HDR ENGINEERING	DATE

MICRO-FILM INFORMATION

RECORDED BY	DATE
NO.	

BENCH MARKS

From centerline of Pajarito and Isleta, travel North 126' ± to the BM on the West side of the street. The BM is a standard ACS 3 1/4" aluminum cap rivetted to a pipe 0.25' above ground. Cap is stamped "5-R11, 1988". Spirit Level Elevation – 4912.078 ft.

SURVEY INFORMATION

NO.	BY	DATE

FIELD NOTES

ENGINEER'S SEAL

WILLIAM F. ZIMMERMAN NEW MEXICO 8051 REGISTERED PROFESSIONAL ENGINEER
2/26/96

NO.	DATE	REMARKS	BY
		REVISIONS	

DESIGN

DESIGNED BY	WFZ, TAS, DW	DATE DECEMBER 1993
DRAWN BY	TAS	DATE DECEMBER 1993
CHECKED BY	WFZ, LC	DATE DECEMBER 1994

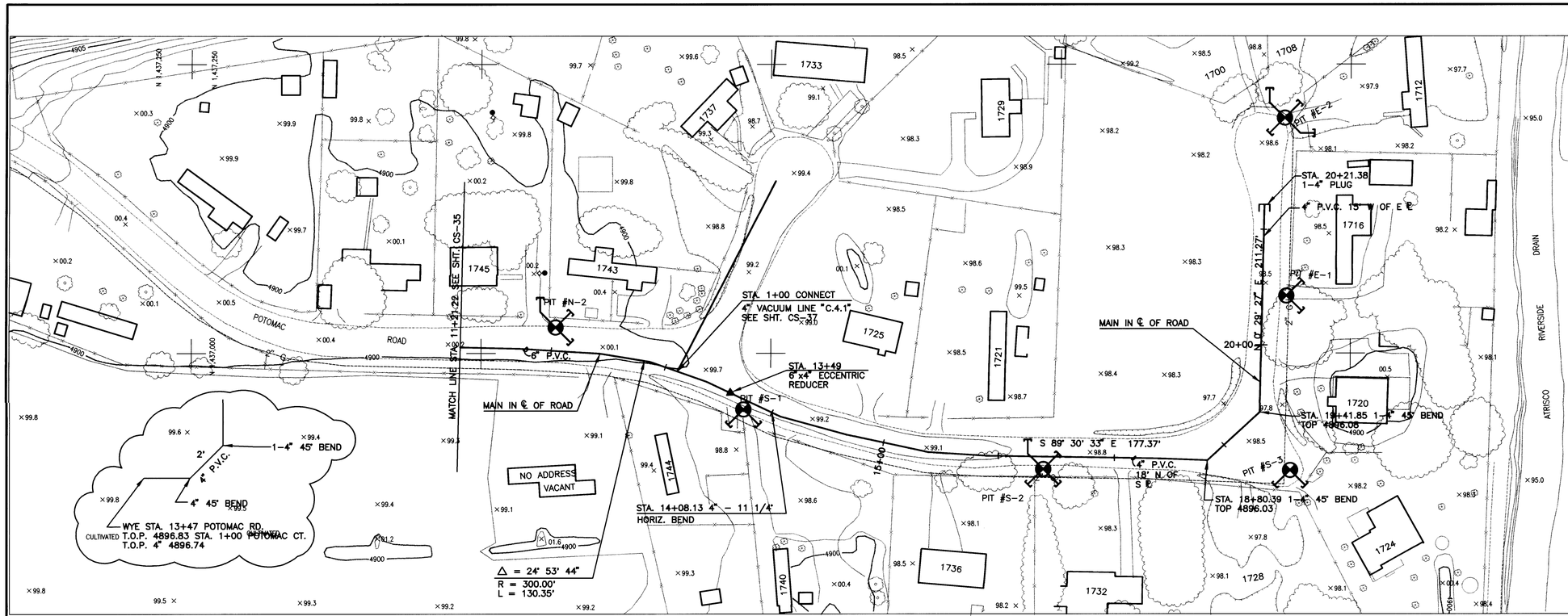
HDR
HDR Engineering, Inc.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

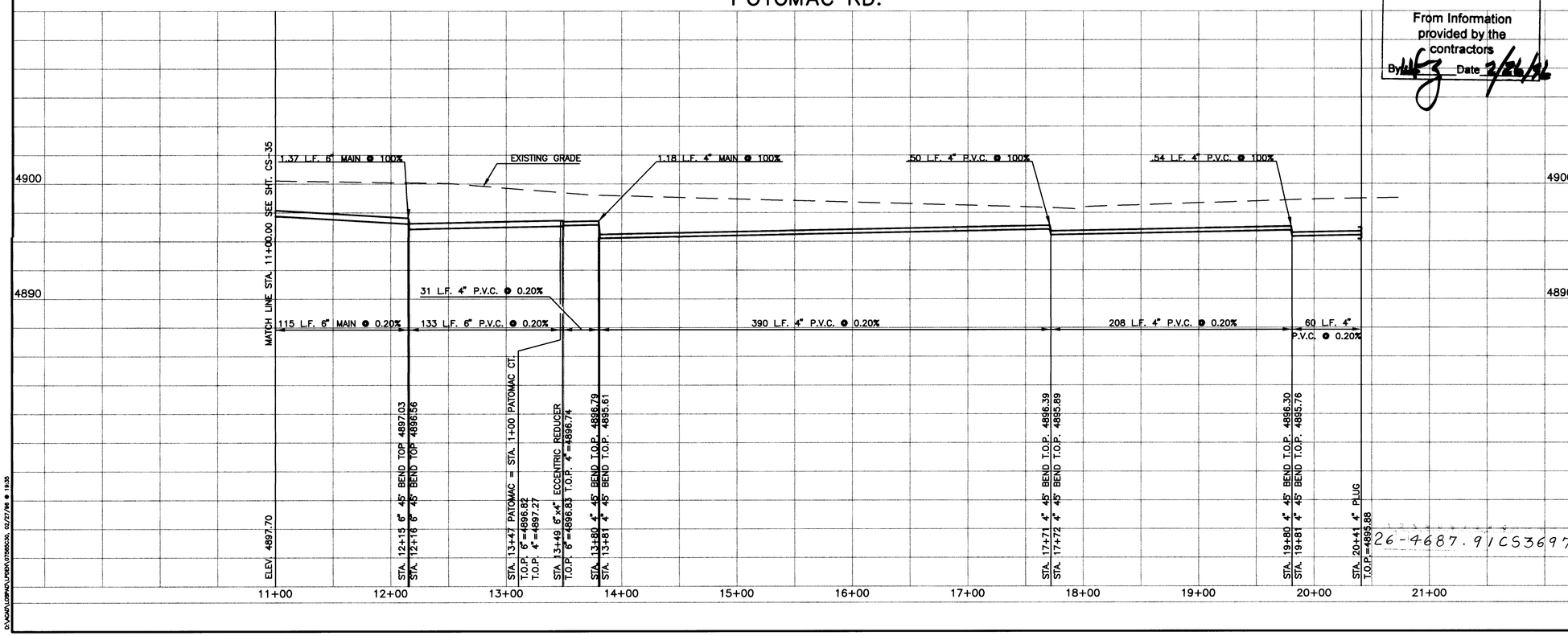
TITLE: LOS PADILLAS AREA
VACUUM COLLECTION SYSTEM AND FORCE MAIN – PHASE IIA
POTOMAC DRIVE
LINE "C.4" STA. 1+00 TO STA. 11+00

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN			WATER		
TRANSPORTATION			WASTE WATER		
HYDROLOGY					

PROJECT NO.	MAP NO.	SHEET	OF
4687.91	U-12	CS-35	



POTOMAC RD.



"AS RECORDED"
From Information provided by the contractors
By [illegible] Date 2/26/96

26-4687.91CS3697

PLAN SCALE: 1"=50'

PROFILE SCALE: 1"=50' HOR 1"=5' VERT

N

LEGEND

NEW	EXIST.	
		VACUUM SEWER MAIN (ADDITIONAL)
		VACUUM SEWER MAIN OR FORCE MAIN
		VACUUM SEWER DIVISION VALVE, SEE DETAIL IN CONTRACT DOCUMENTS BOOK OR FORCE MAIN ISOLATION VALVE, SEE DTL. ON SHT. G-4
		STUB
		1" AIR RELEASE VALVE SEE DETAIL IN CONTRACT DOCUMENTS BOOK
		DRAIN MANHOLE SEE DETAIL ON SHEET G-4
		30"-3" "ARVAC" VALVE AND PIT SEE NOTE 7 ON SHT. G-1
-W-	-W-	WATER LINE
-G-	-G-	GAS LINE
-UT-	-UT-	UNDERGROUND TELEPHONE LINE
-UE-	-UE-	UNDERGROUND ELECTRICAL LINE
		OVERHEAD POWER POLE W/ GUY WIRE
		LARGE TREE
		BRUSH
		SIGN
X 00.0	X 00.0	SPOT ELEVATION

NOTES:
1) ALL LATERAL VACUUM MAIN CONNECTIONS SHALL BE CONSTRUCTED PER TYPICAL DETAIL SHOWN IN CONTRACT DOCUMENTS BOOK. REFER TO NOTES 1 AND 6 ON SHEET G-1 ABOUT STATIONING AND DETAILS AT THESE CONNECTIONS.

SERVICE LOCATION TABLE

STREET ADDRESS	STATION	PIT NO.
1743 POTOMAC RD.	12+24	N-2
1745 POTOMAC RD.	12+24	N-2
1750 POTOMAC RD.	12+24	N-2
1740 POTOMAC RD.	14+06	S-1
1744 POTOMAC RD.	14+06	S-1
1721 POTOMAC RD.	16+59	S-2
1732 PATOMAC RD.	16+59	S-2
1736 POTOMAC RD.	16+59	S-2
VACANT LOT POTOMAC RD.	16+59	S-2
1724 POTOMAC RD.	18+82	S-3
1728 POTOMAC RD.	18+82	S-3
1716 POTOMAC RD.	19+88	E-1
1720 POTOMAC RD.	19+88	E-1
VACANT LOT POTOMAC RD.	21+50	E-2
1700 POTOMAC RD.	21+50	E-2
1708 POTOMAC RD.	21+50	E-2
1712 POTOMAC RD.	21+50	E-2

AS BUILT INFORMATION

CONTRACTOR	TRIAD	DATE 10/95
WORK STAKED BY	BALLEW/WILSON	DATE 10/95
INSPECTOR'S FIELD ACCEPTANCE BY	WILSON & CO.	DATE 11/95
VERIFICATION OF AS BUILTS BY	WILSON & CO.	DATE 10/95
CORRECTED BY	HDR ENGINEERING	DATE
MICRO-FILM INFORMATION		DATE
RECORDED BY		DATE
NO.		

BENCH MARKS

From centerline of Pajarito and Isleta, travel North 126' ± to the BM on the West side of the street. The BM is a standard ACS 3 1/4", aluminum cap riveted to a pipe 0.25' above ground. Cap is stamped "5-R11, 1988".

Spirit Level Elevation - 4912.078 ft.

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

WILLIAM F. ZIMMERMAN NEW MEXICO 8051 PROFESSIONAL ENGINEER 02/26/96

NO.	DATE	REMARKS	BY
		REVISIONS	

DESIGN

DESIGNED BY	WFZ, TAS, DW	DATE DECEMBER 1993
DRAWN BY	TAS	DATE DECEMBER 1993
CHECKED BY	WFZ, LC	DATE DECEMBER 1994

HDR

HDR Engineering, Inc.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: LOS PADILLAS AREA
VACUUM COLLECTION SYSTEM AND FORCE MAIN - PHASE IIA
POTOMAC ROAD
LINE "C.4" STA. 11+00 TO STA. 20+30

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN			WATER		
TRANSPORTATION			WASTE WATER		
HYDROLOGY					

PROJECT NO.	MAP NO.	SHEET	OF
4687.91	U-12	CS-36	

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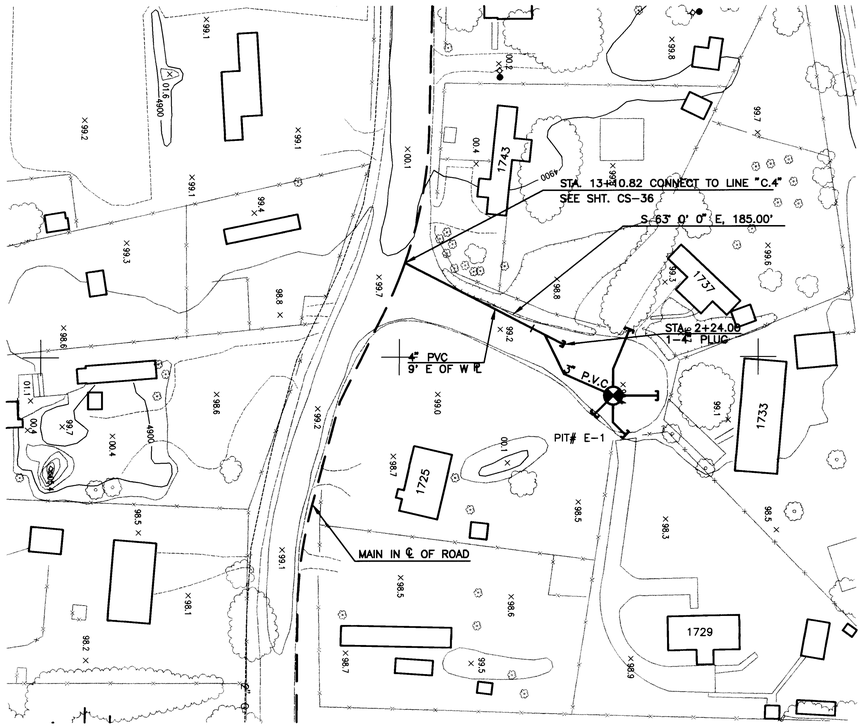
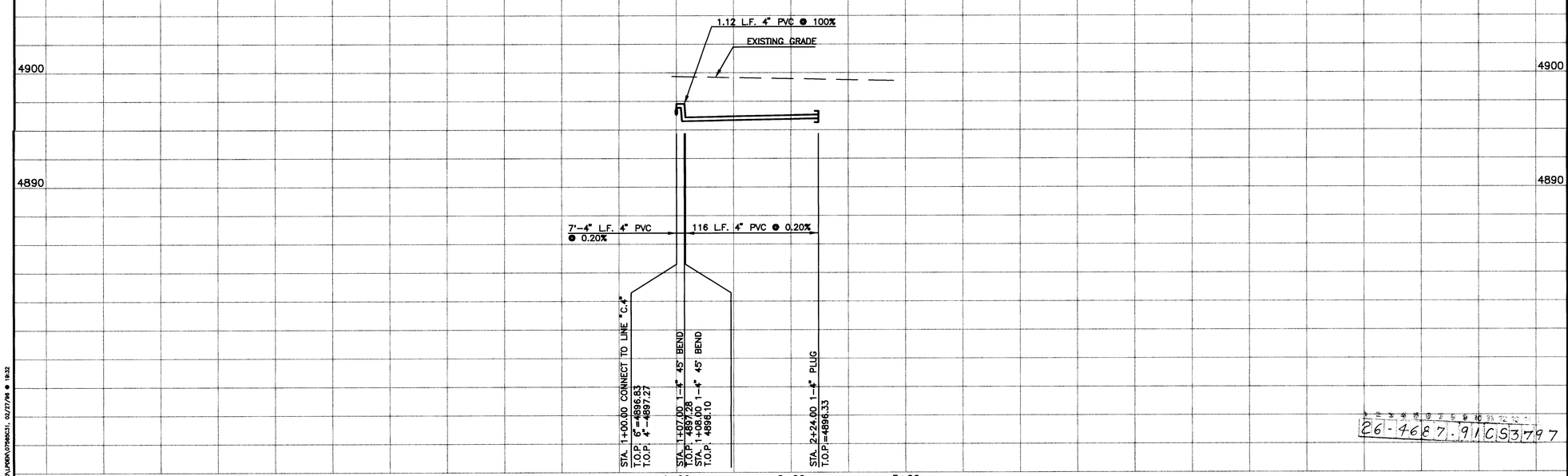


"AS RECORDED"
From Information provided by the contractors
By WFZ Date 2/26/96



PLAN
SCALE: 1"=50'

PROFILE
SCALE: 1"=50' HOR
1"=5' VERT

LEGEND

NEW / EXIST.

- VACUUM SEWER MAIN (ADDITIONAL)
- VACUUM SEWER MAIN OR FORCE MAIN
- VACUUM SEWER DIVISION VALVE, SEE DETAIL IN CONTRACT DOCUMENTS BOOK OR FORCE MAIN ISOLATION VALVE, SEE DTL. ON SHT. G-4
- STUB
- 1" AIR RELEASE VALVE SEE DETAIL IN CONTRACT DOCUMENTS BOOK
- DRAIN MANHOLE SEE DETAIL ON SHEET G-4
- 30"-3" "AIRVAC" VALVE AND PIT SEE NOTE 7 ON SHT. G-1
- WATER LINE
- GAS LINE
- UT — UNDERGROUND TELEPHONE LINE
- UE — UNDERGROUND ELECTRICAL LINE
- OVERHEAD POWER POLE W/ GUY WIRE
- LARGE TREE
- BRUSH
- SIGN
- X 00.0 SPOT ELEVATION

NOTES:
1) ALL LATERAL VACUUM MAIN CONNECTIONS SHALL BE CONSTRUCTED PER TYPICAL DETAIL SHOWN IN CONTRACT DOCUMENTS BOOK. REFER TO NOTES 1 AND 6 ON SHEET G-1 ABOUT STATIONING AND DETAILS AT THESE CONNECTIONS.

SERVICE LOCATION TABLE

STREET ADDRESS	STATION	PIT NO.
1725 POTOMAC RD.	3+28	E-1
1729 POTOMAC RD.	3+28	E-1
1733 POTOMAC RD.	3+28	E-1
1737 POTOMAC RD.	3+28	E-1

AS BUILT INFORMATION
CONTRACTOR TRUAD DATE 10/95
WORK STAKED BY BALLEW/WILSON DATE 10/95
INSPECTOR'S ACCEPTANCE BY WILSON & CO. DATE 11/95
FIELD VERIFICATION BY WILSON & CO. DATE 10/95
DRAWINGS CORRECTED BY HDR ENGINEERING DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
From centerline of Pajarito and Isleta, travel North 126' ± to the BM on the West side of the street. The BM is a standard ACS 3 1/4" aluminum cap rivetted to a pipe 0.25' above ground. Cap is stamped "5-R11, 1988".
Spirit Level Elevation – 4912.078 ft.

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
WILLIAM F. ZIMMERMAN
NEW MEXICO 8051
REGISTERED PROFESSIONAL ENGINEER
2/26/96

REVISIONS
NO. | DATE | REMARKS | BY

DESIGN
DESIGNED BY WFZ, TAS, DW DATE DECEMBER 1993
DRAWN BY TAS DATE DECEMBER 1993
CHECKED BY WFZ, LC DATE DECEMBER 1994

HDR
HDR Engineering, Inc.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: LOS PADILLAS AREA
VACUUM COLLECTION SYSTEM AND FORCE MAIN – PHASE IIA
POTOMAC DRIVE
LINE "C.4.1" STA. 1+00 TO STA. 2+85

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN			WATER		
TRANSPORTATION			WASTE WATER		
HYDROLOGY					

26-4687.91 C53797

PROJECT NO. 4687.91 | MAP NO. U-12 | SHEET CS-37 OF

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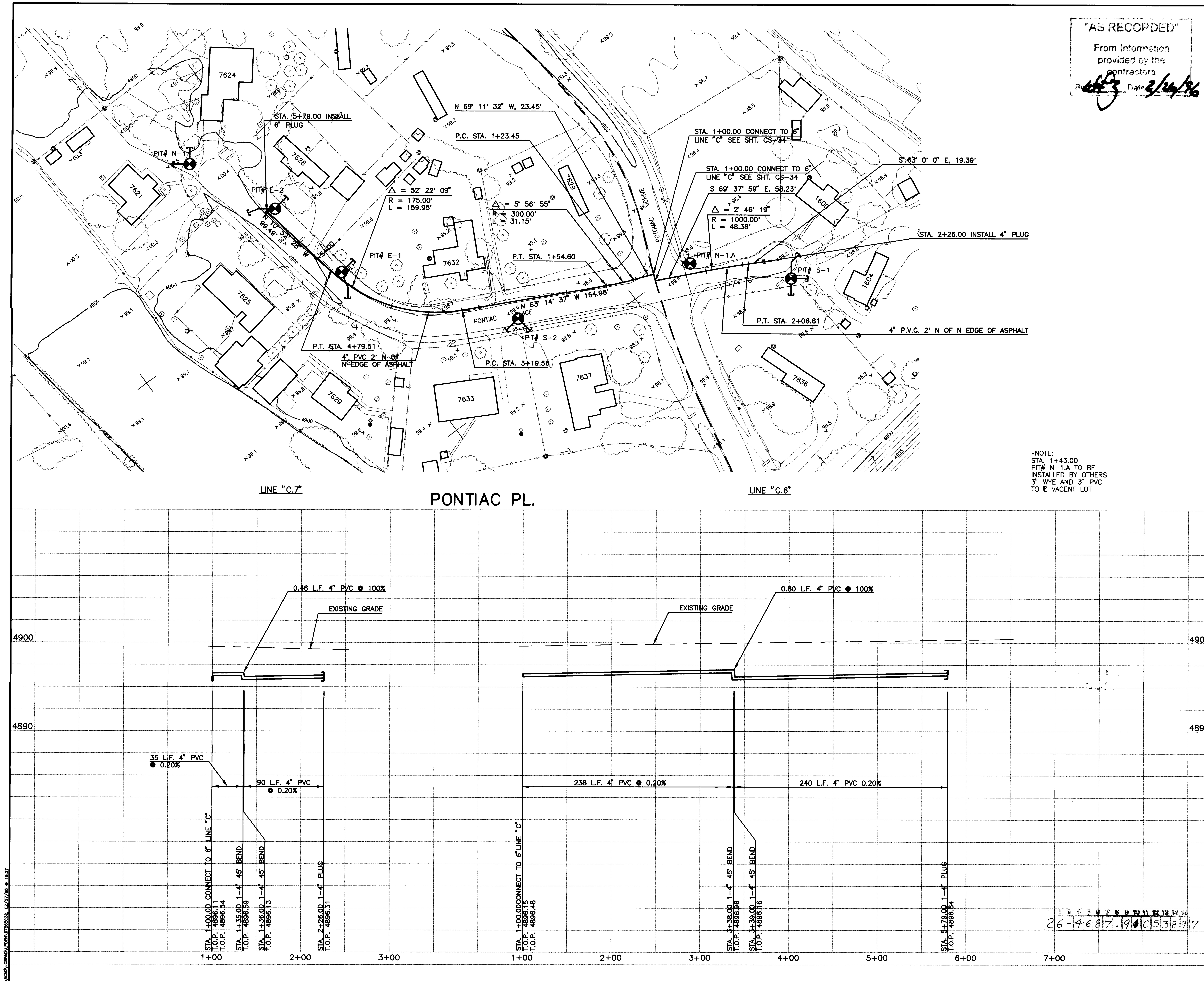

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PLAN
SCALE: 1"=50'

PROFILE
SCALE: 1"=50' HOR
1"=5' VERT

LEGEND

NEW	EXIST.	
— — —		VACUUM SEWER MAIN (ADDITIONAL)
———		VACUUM SEWER MAIN OR FORCE MAIN
⋈		VACUUM SEWER DIVISION VALVE, SEE DETAIL IN CONTRACT DOCUMENTS BOOK OR FORCE MAIN ISOLATION VALVE, SEE DTL. ON SHT. G-4
⊥		STUB
		1" AIR RELEASE VALVE SEE DETAIL IN CONTRACT DOCUMENTS BOOK
		DRAIN MANHOLE SEE DETAIL ON SHEET G-4
		30"-3" "AIRVAC" VALVE AND PIT SEE NOTE 7 ON SHT. G-1
	---W---	WATER LINE
	---G---	GAS LINE
	---UT---	UNDERGROUND TELEPHONE LINE
	---UE---	UNDERGROUND ELECTRICAL LINE
		OVERHEAD POWER POLE W/ GUY WIRE
		LARGE TREE
		BRUSH
		SIGN
	X 00.0	SPOT ELEVATION

NOTES:
1) ALL LATERAL VACUUM MAIN CONNECTIONS SHALL BE CONSTRUCTED PER TYPICAL DETAIL SHOWN IN CONTRACT DOCUMENTS BOOK. REFER TO NOTES 1 AND 6 ON SHEET G-1 ABOUT STATIONING AND DETAILS AT THESE CONNECTIONS.

SERVICE LOCATION TABLE

STREET ADDRESS	STATION	PIT NO.
1600 PONTIAC PL.	2+55	S-1
1604 PONTIAC PL.	2+55	S-1
7636 PONTIAC PL.	2+55	S-1
VACANT LOT	1+43	N-1.A
7621 PONTIAC PL.	6+79	N-1
7624 PONTIAC PL.	6+79	N-1
7625 PONTIAC PL.	5+74	E-2
7628 PONTIAC PL.	5+74	E-2
7632 PONTIAC PL.	4+69	E-1
7629 PONTIAC PL.	4+69	E-1
7633 PONTIAC PL.	2+59	S-2
7637 PONTIAC PL.	2+59	S-2

AS BUILT INFORMATION

CONTRACTOR	TRIAD	DATE 10/95
WORK STAKED BY	BALLEW/WILSON	DATE 03/95 – 10/95
INSPECTOR'S ACCEPTANCE BY	WILSON & CO.	DATE 11/95
FIELD VERIFICATION BY	WILSON & CO.	DATE 10/95
DRAWINGS CORRECTED BY	HDR ENGINEERING	DATE

MICRO-FILM INFORMATION

RECORDED BY	DATE
NO.	

BENCH MARKS

From centerline of Pajarito and Isleta, travel North 126' ± to the BM on the West side of the street. The BM is a standard ACS 3 1/4", aluminum cap rivetted to a pipe 0.25' above ground. Cap is stamped "5-R11, 1988".

Spirit Level Elevation – 4912.078 ft.

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

[Seal: WILLIAM F. ZIMMERMAN, NEW MEXICO, 8051, PROFESSIONAL ENGINEER; signature] 02/26/96

NO.	DATE	REMARKS	BY

REVISIONS

DESIGN

DESIGNED BY	WFZ, TAS, DW	DATE DECEMBER 1993
DRAWN BY	TAS	DATE DECEMBER 1993
CHECKED BY	WFZ, LC	DATE DECEMBER 1994

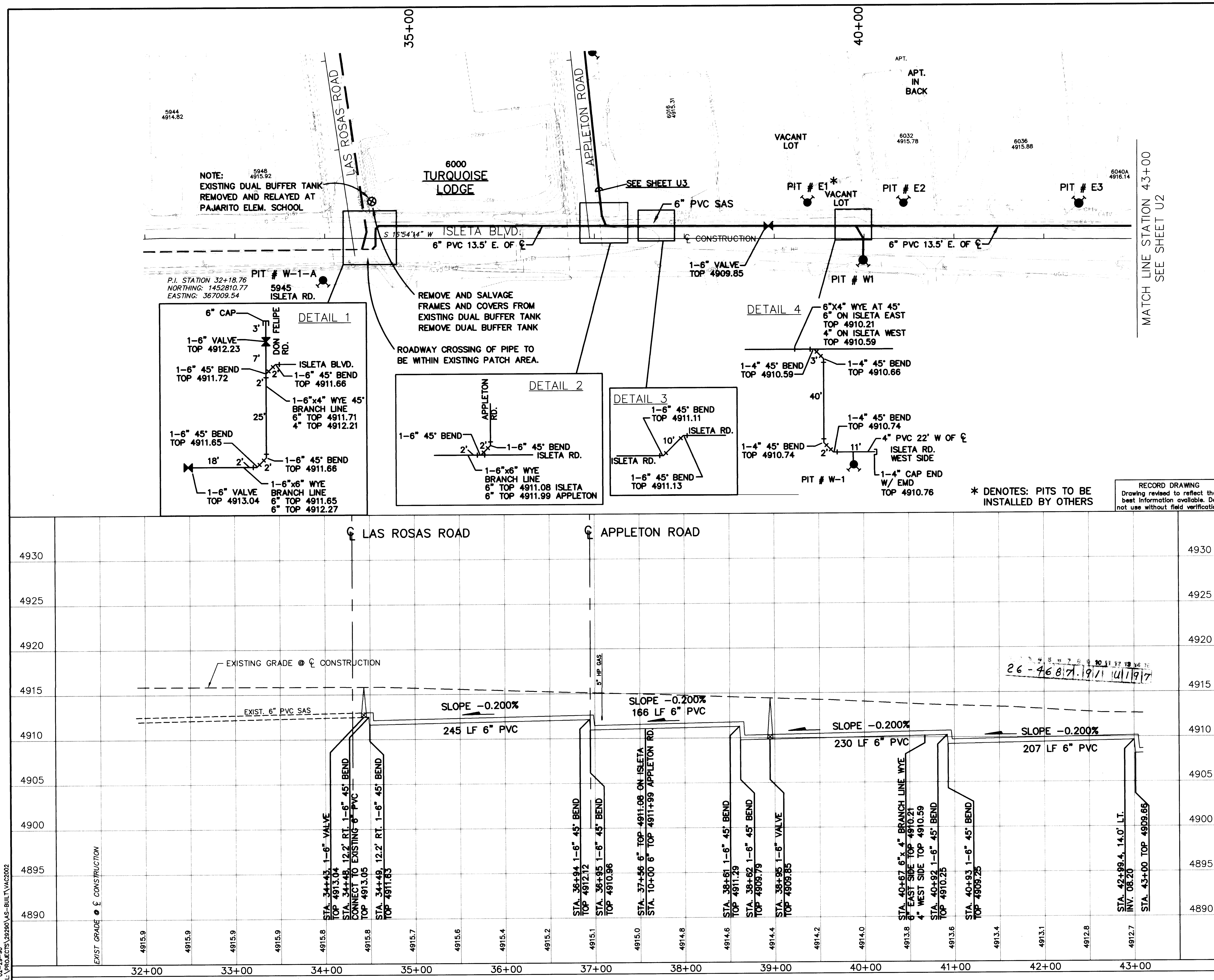
HDR Engineering, Inc.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: LOS PADILLAS AREA
VACUUM COLLECTION SYSTEM AND FORCE MAIN – PHASE IIA
PONTIAC PLACE
LINE "C.6" STA. 1+00 TO 2+50 & LINE "C.7" STA. 1+00 TO 6+50

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN			WATER		
TRANSPORTATION			WASTE WATER		
HYDROLOGY					

PROJECT NO.	MAP NO.	SHEET	OF
4687.91	U-12	CS-38	



PLAN

SCALE: 1"=50'

PROFILE

SCALE: 1"=50' Horiz. 1"=5' Vert.

NOTE: COORDINATES LISTED ARE GROUND COORDINATES BASED ON NEW MEXICO STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE, NAD 27, GROUND TO GRID FACTOR = 0.99968656

BENCH MARKS

6-R11, CITY OF ALBUQUERQUE BENCH MARK. THE STATION IS A STANDARD ACS 3¼" ALUMINUM CAP RIVETED TO A PIPE 0.25' ABOVE THE GROUND AND IS STAMPED "6-R11,1988". STATION IS LOCATED ON EAST SIDE OF ISLETA BLVD. AT INTERSECTION OF ISLETA BLVD. AND DON FELIPE RD.

AS BUILT INFORMATION

CONTRACTOR	TRIAD BUILDERS	DATE 12/95
WORK STARTED BY	TRIAD BUILDERS	DATE 12/95
INSPECTOR'S ACCEPTANCE BY	WILSON & COMPANY	DATE 12/95
FIELD VERIFICATION BY	WILSON & COMPANY	DATE 12/95
DRAWINGS CORRECTED BY	GANNETT FLEMING WEST	DATE 12/95

MICRO-FILM INFORMATION

RECORDED BY / DATE / NO.

SURVEY INFORMATION

FIELD NOTES — NO. / BY / DATE

SEWER SERVICE SCHEDULE

LOCATION	ADDRESS	PIT #
PIT BY OTHERS	VACANT LOT	E-1
EAST SIDE	VACANT LOT 6032 ISLETA	E-2
EAST SIDE	6036 & 6040A ISLETA RD. SW	E-3
WEST SIDE	6025 & 6027 ISLETA RD.	W-1

ENGINEER'S SEAL

REVISIONS

NO.	DATE	REMARKS	BY
1	8/95	CHANGE ORDER TO LOS PADILLAS II A	GFW
△	01-96	AS BUILT REVISIONS	

DESIGN

DESIGNED BY JTN DATE NOV. 1994

DRAWN BY JTN DATE NOV. 1994

Gannett Fleming West, Inc. ENGINEERS AND PLANNERS

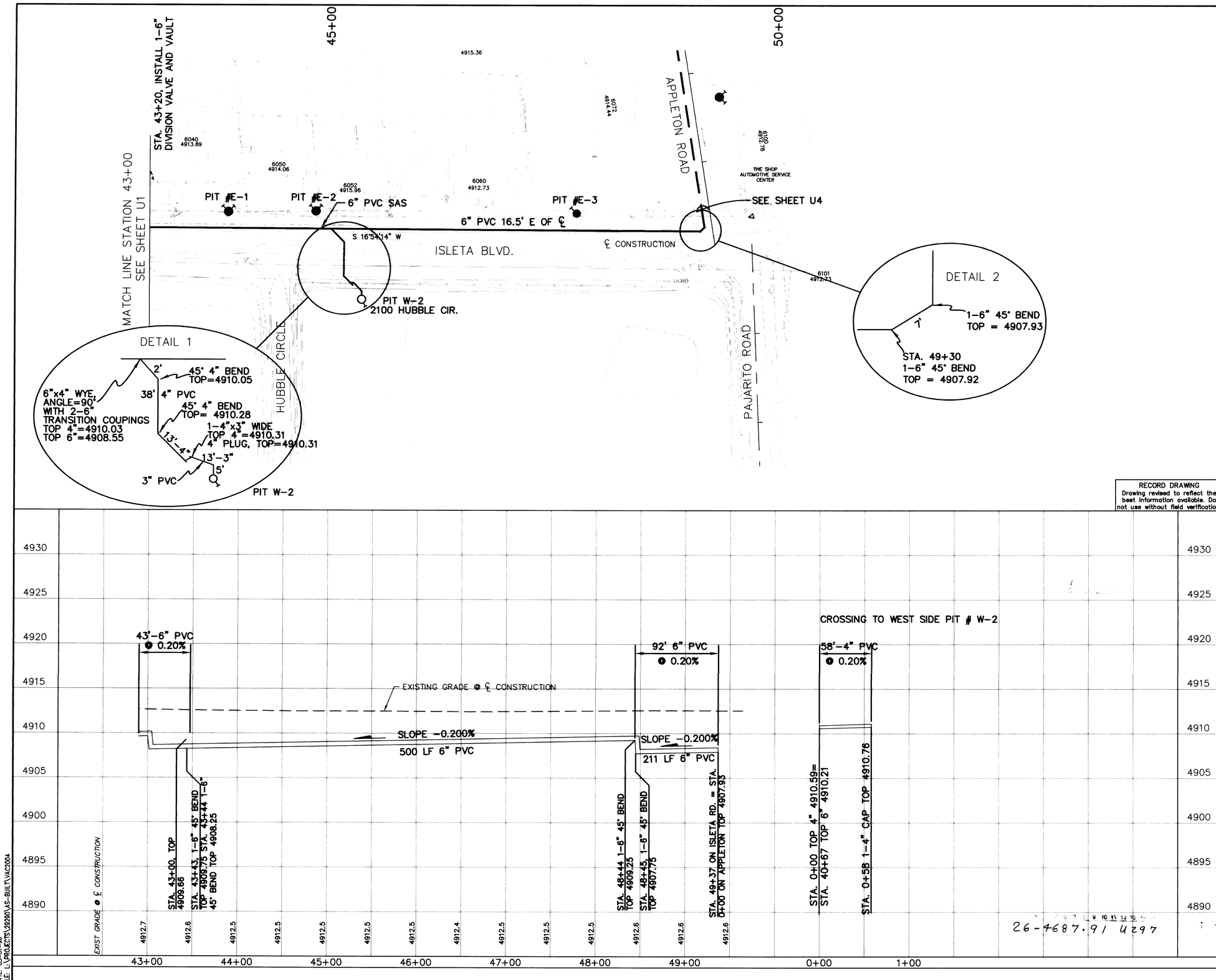
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

TITLE: **SOUTH VALLEY SEWER EXTENSIONS GUN CLUB VACUUM COLLECTION SYSTEM**
ISLETA BLVD. – SOUTH
STATION 34+48.6 TO STATION 43+00

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN			WATER		
TRANSPORTATION			WASTE WATER		
HYDROLOGY					

PROJECT NO. 4687.91 | MAP NO. R-12 | SHEET U1 OF

DATE: 02-28-96
FILE: L:\PROJECTS\29290\AS-BUILT\VAC2002



PLAN
SCALE: 1"=50'

PROFILE
SCALE: 1"=50' Horiz.
1"=5' Vert.

NOTE: COORDINATES LISTED ARE GROUND COORDINATES BASED ON NEW MEXICO STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE, NAD 27, GROUND TO GRID FACTOR = 0.99968656

RECORD DRAWING
Drawing revised to reflect the best information available. Do not use without field verification.

SEWER SERVICE SCHEDULE

LOCATION	ADDRESS	PIT #
EAST SIDE	6040 AND 6050 ISLETA	E-1
EAST SIDE	6050 AND 6052 ISLETA	E-2
EAST SIDE	6060 ISLETA	E-3
WEST SIDE	2100 HUBBLE CIRCLE	W-2

AS BUILT INFORMATION

CONTRACTOR	TRIAD BUILDERS	DATE 12/95
STAKED BY	TRIAD BUILDERS	DATE 12/95
SURVEYED BY	WILSON & COMPANY	DATE 12/95
AS-BUILT BY	WILSON & COMPANY	DATE 12/95
VERIFICATION BY		DATE 12/95
CORRECTED BY	CANNETT FLEMING WEST	DATE 12/95
MICRO-FILM INFORMATION		
RECORDED BY		DATE
NO.		

BENCH MARKS
6-R11, CITY OF ALBUQUERQUE BENCH MARK, THE STATION IS A STANDARD ACS 3½" ALUMINUM CAP RIVETED TO A PIPE 0.25' ABOVE THE GROUND AND IS STAMPED "6-R11,1988". STATION IS LOCATED ON EAST SIDE OF ISLETA BLVD. AT INTERSECTION OF ISLETA BLVD. AND DON FELIPE RD.

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

SEAL
ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
1	8/95	CHANGE ORDER TO LOS PADILLAS II A	

REVISIONS
DESIGN

DESIGNED BY JTN DATE NOV. 1994
DRAWN BY JTN DATE NOV. 1994
CHECKED BY JE DATE NOV. 1994

Cannett Fleming West, Inc.
ENGINEERS AND PLANNERS
4900 Indian School Road NE, Suite 101 Albuquerque, New Mexico 87110
Office: (505) 266-5469 Facsimile: (505) 266-1364

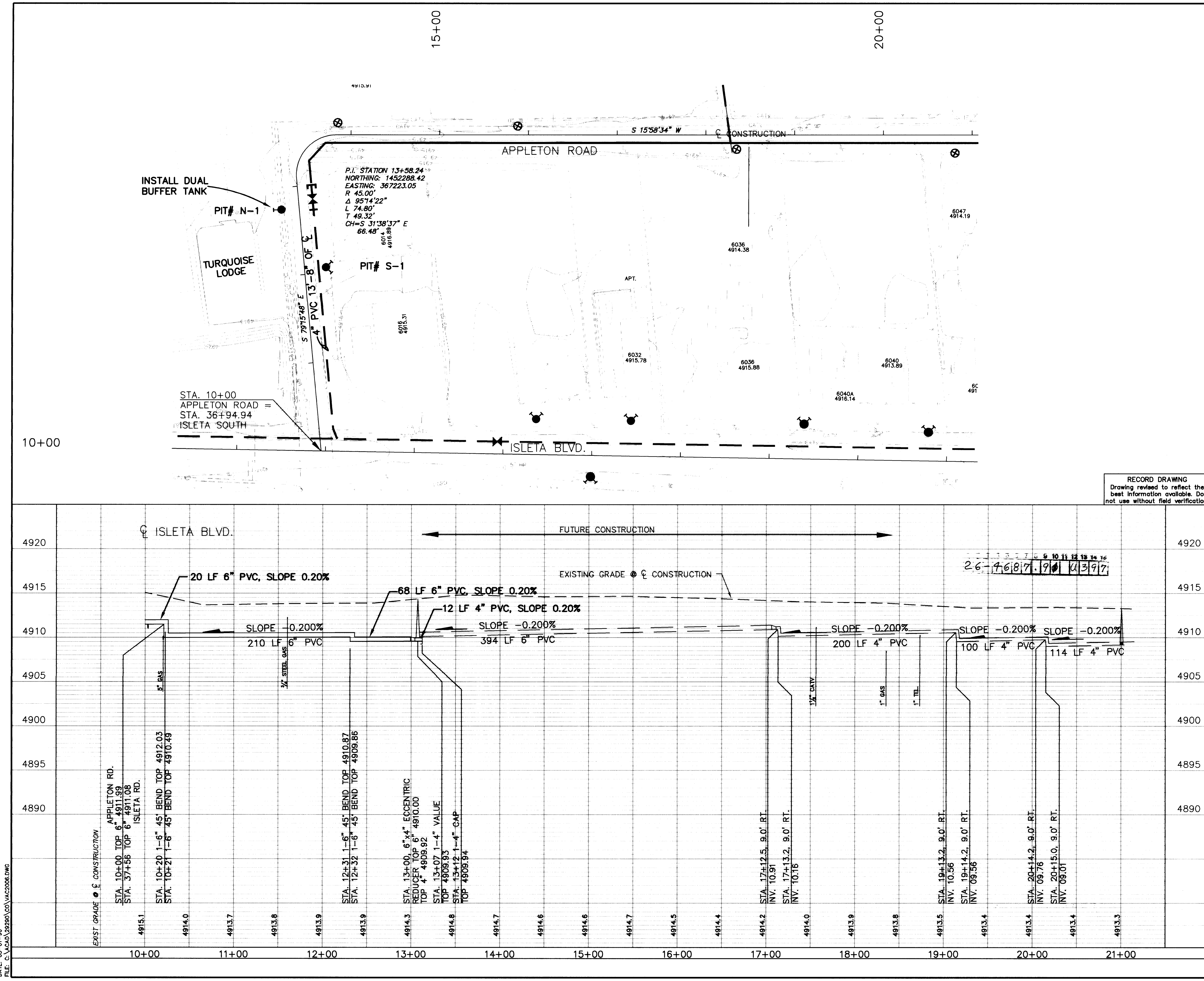
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

TITLE: **SOUTH VALLEY SEWER EXTENSIONS**
GUN CLUB VACUUM COLLECTION SYSTEM
ISLETA BLVD. – SOUTH
STATION 43+00 TO STATION 49+11.7

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN			WATER		
TRANSPORTATION			WASTE WATER		
HYDROLOGY					

PROJECT NO.	MAP NO.	SHEET OF
4687.91	R-12	U2

DATE: 03-01-96
FILE: L:\PROJECTS\39290\AS-BUILT\VAC2004



PLAN
SCALE: 1"=50'

PROFILE
SCALE: 1"=50' Horiz.
1"=5' Vert.

NOTE: COORDINATES LISTED ARE GROUND COORDINATES BASED ON NEW MEXICO STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE, NAD 27, GROUND TO GRID FACTOR = 0.99968656

AS BUILT INFORMATION

CONTRACTOR TRIAD BUILDER DATE 12/95
WORK STAKED BY TRIAD BUILDER DATE 12/95
INSPECTOR'S ACCEPTANCE BY WILSON & COMPANY DATE 12/95
FIELD VERIFICATION BY WILSON & COMPANY DATE 12/95
DRAFTED BY GANNETT FLEMING WEST DATE 12/95

MICRO-FILM INFORMATION

RECORDED BY / DATE / NO.

BENCH MARKS

6-R11, CITY OF ALBUQUERQUE BENCH MARK, THE STATION IS A STANDARD ACS 3 1/4" ALUMINUM CAP RIVETED TO A PIPE 0.25' ABOVE THE GROUND AND IS STAMPED "6-R11,1988". STATION IS LOCATED ON EAST SIDE OF ISLETA BLVD. AT INTERSECTION OF ISLETA BLVD. AND DON FELIPE RD.

SURVEY INFORMATION

NO.	FIELD NOTES	BY	DATE

SEWER SERVICE SCHEDULE

LOCATION	ADDRESS	PIT #
NORTHSIDE	6000/ISLETA	N-1
SOUTHSIDE	6014 & 6016 ISLETA	S-1

ENGINEER'S SEAL

REVISIONS

NO.	DATE	REMARKS	BY
1	8/95	CHANGE ORDER TO LOS PADILLAS II A	

DESIGN		
DESIGNED BY JTN	DATE NOV. 1994	
DRAWN BY JTN	DATE NOV. 1994	
CHECKED BY JE	DATE NOV. 1994	

Gannett Fleming West, Inc.
ENGINEERS AND PLANNERS

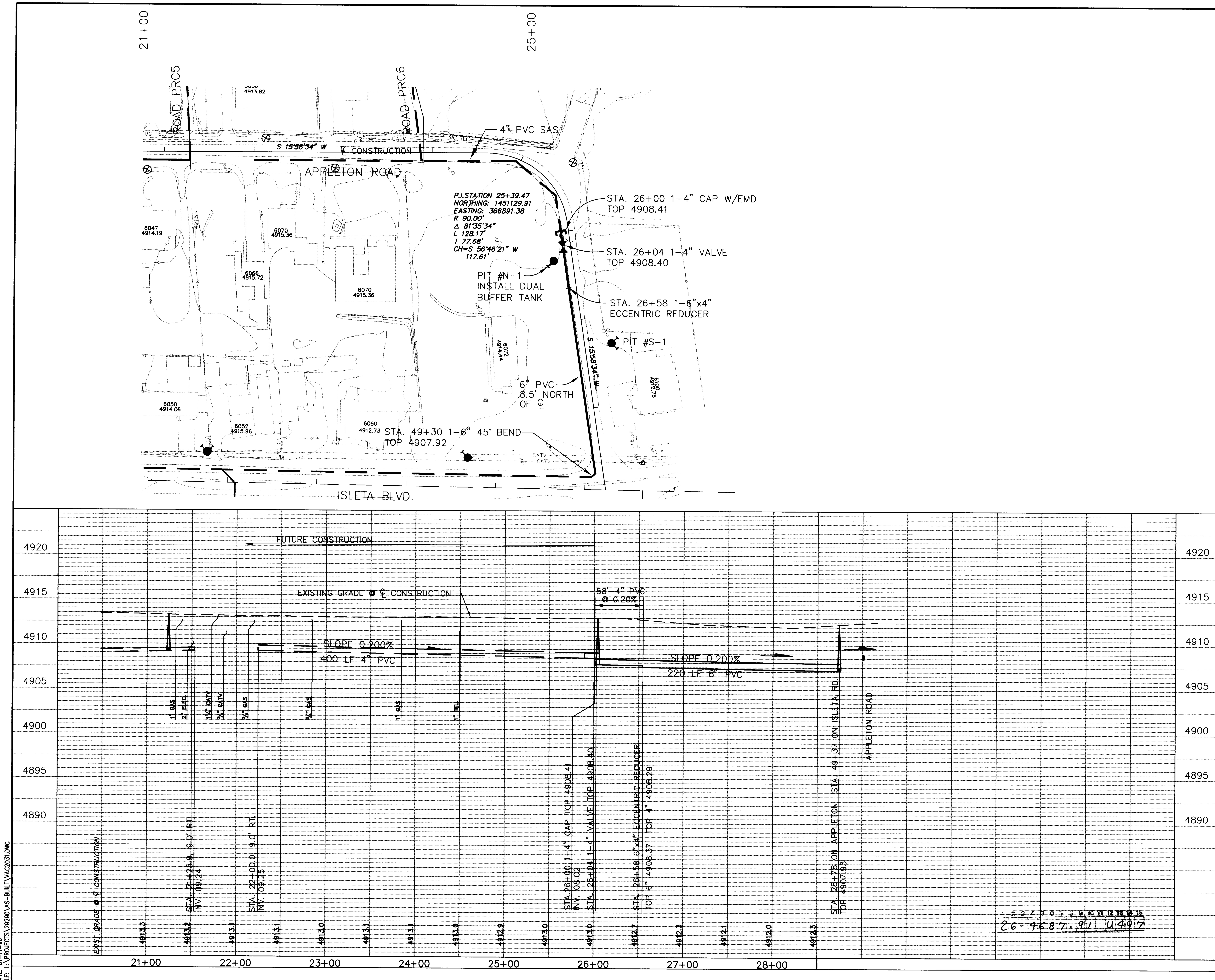
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

TITLE: **SOUTHWEST VALLEY SEWER EXTENSIONS**
GUN CLUB VACUUM COLLECTION SYSTEM
APPLETON ROAD-NORTH
STATION 10+02.8 TO STATION 21+00

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN			WATER		
TRANSPORTATION			WASTE WATER		
HYDROLOGY					

PROJECT NO.	MAP NO.	SHEET	OF
4687.91	R-11	U3	

DATE: 03-01-96
FILE: C:\ACAD\29290\C0\VAC2006.DWG



PLAN
SCALE: 1"=50'

PROFILE
SCALE: 1"=50' Horiz.
1"=5' Vert.

NOTE: COORDINATES LISTED ARE GROUND COORDINATES BASED ON NEW MEXICO STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE, NAD 27, GROUND TO GRID FACTOR = 0.99968656

SEWER SERVICE SCHEDULE

LOCATION	ADDRESS	PIT #
SOUTH SIDE	6100 ISLETA	S-1
NORTH SIDE	6072 ISLETA	N-1

AS BUILT INFORMATION
CONTRACTOR TRIAD BUILDER DATE 12/95
WORK STAKED BY TRIAD BUILDER DATE 12/95
INSPECTOR'S ACCEPTANCE BY WILSON & COMPANY DATE 12/95
FIELD VERIFICATION BY WILSON & COMPANY DATE 12/95
DRAWINGS CORRECTED BY GANNETT FLEMING WEST DATE 12/95

MICRO-FILM INFORMATION
RECORDED BY
NO. DATE

BENCH MARKS
6-R11, CITY OF ALBUQUERQUE BENCH MARK. THE STATION IS A STANDARD ACS 3¼" ALUMINUM CAP RIVETED TO A PIPE 0.25' ABOVE THE GROUND AND IS STAMPED "6-R11,1988". STATION IS LOCATED ON EAST SIDE OF ISLETA BLVD. AT INTERSECTION OF ISLETA BLVD. AND DON FELIPE RD.

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
1	8/95	CHANGE ORDER TO LOS PADILLAS II A	

REVISIONS

DESIGN		DATE
DESIGNED BY	JTN	NOV. 1994
DRAWN BY	JTN	NOV. 1994
CHECKED BY	JE	NOV. 1994

Gannett Fleming West, Inc.
ENGINEERS AND PLANNERS

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

TITLE: **SOUTHWEST VALLEY SEWER EXTENSIONS**
GUN CLUB VACUUM COLLECTION SYSTEM
APPLETON ROAD-SOUTH
STATION 21+00 TO STATION 28+77.3

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN			WATER		
TRANSPORTATION			WASTE WATER		
HYDROLOGY					

PROJECT NO.	MAP NO.	SHEET	OF
4687.91	R-11	U4	4

DATE: 01-11-96
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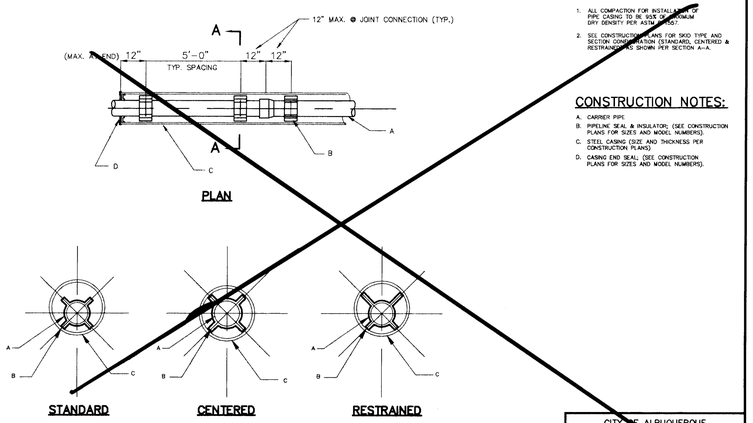


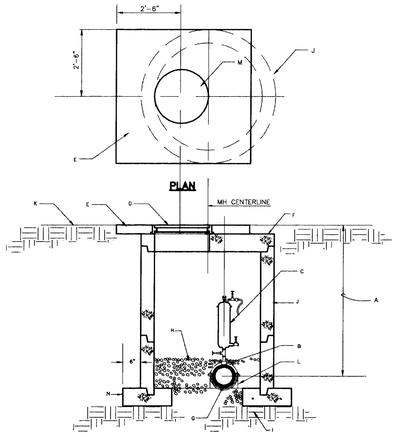
GENERAL NOTES:

1. ALL COMPACTION FOR INSTALLATION OF PIPE CASING TO BE 95% OF MAXIMUM DRY DENSITY PER ASTM D 1557.
2. SEE CONSTRUCTION PLANS FOR SKID TYPE AND SECTION CONFIGURATION (STANDARD), CENTERED & RESTRAINED AS SHOWN PER SECTION A-A.

CONSTRUCTION NOTES:

A. CARRIER PIPE.
B. PIPELINE SEAL & INSULATOR; (SEE CONSTRUCTION PLANS FOR SIZES AND MODEL NUMBERS).
C. STEEL CASING (SIZE AND THICKNESS PER CONSTRUCTION PLANS)
D. CASING END SEAL; (SEE CONSTRUCTION PLANS FOR SIZES AND MODEL NUMBERS).

REVISIONS	CITY OF ALBUQUERQUE CASING DETAIL FOR BORE AND JACK UNDER ROADS DWG. 2155 DEC. 1993



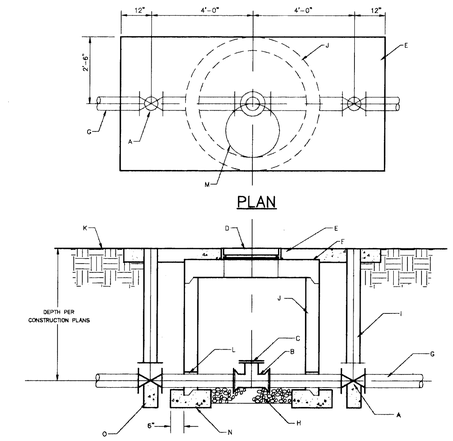
GENERAL NOTES:

1. ALL COMPACTION FOR INSTALLATION OF ARV MANHOLE TO BE 95% OF MAXIMUM DRY DENSITY PER ASTM D 1557.
2. EPOXY COAT (2 COATS PRIMER, 1 COAT FINISH) INTERIOR OF MANHOLE WITH PLASTIC OR APPROVED EQUAL.

CONSTRUCTION NOTES:

A. SEE CONSTRUCTION PLANS FOR DEPTH REQ'D.
B. 2" TAPPING SADDLE.
C. APCO SEWAGE AIR RELEASE VALVE OR APPROVED EQUAL.
D. CAST IRON MANHOLE FRAME AND COVER; SEE C.O.A. STD. DWG. 2110.
E. 5' x 5' x 6" THICK CONC. PAD AROUND MH OPNG. TO MATCH FINISH GRADE.
F. PRECAST CONCRETE FLAT TOP FOR MANHOLE WITH 2'-0" DIA. OPENING PER C.O.A. STD. DWG. 2326
G. FORCE MAIN.
H. 12" DEEP 3/4" GRAVEL
I. COMPACTED SUBGRADE
J. USE 4'-0" I.D. CONCRETE MANHOLE SECTIONS ~~WITH SEALING~~. ADDITIONAL SECTIONS MAY BE ADDED.
K. FINISH GRADE
L. SLOTTED OPENING 1" LARGER THAN FORCE MAIN WITH APPROVED GASKET. GROUT INTERIOR AND EXTERIOR OF OPENING.
M. LOCATION OF LID.
N. 8" x 18" CONC. FOUNDATION W/2-#8 BARS SPACED 3" FROM SIDES & BOTTOM

REVISIONS	CITY OF ALBUQUERQUE SANITARY SEWER AIR RELEASE VALVE DETAIL DWG. 2160 DEC. 1993



GENERAL NOTES:

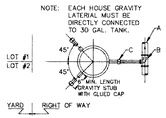
1. ALL COMPACTION FOR INSTALLATION OF PIG LAUNCHER TO BE 95% OF MAXIMUM DRY DENSITY PER ASTM D 1557.

CONSTRUCTION NOTES:

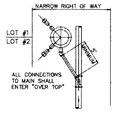
A. MJ GATE VALVE W/ RISING STEM
B. MJ x MJ x FLANGED TEE
C. BLIND FLANGE.
D. SEWER MANHOLE FRAME AND COVER SEE C.O.A. STD. DWG. 2110.
E. 5' x 10' x 6" THICK CONC. PAD LOCATED AROUND OPENINGS, AS SHOWN TO MATCH FINISH GRADE.
F. PRECAST CONCRETE FLAT TOP FOR MANHOLE WITH 2'-0" DIA. OPENING PER C.O.A. STD. DWG. 2326
G. FORCE MAIN PER CONSTRUCTION PLANS.
H. 6" DEEP 3/4" GRAVEL
I. TYPE "M" VALVE BOX PER C.O.A. STD. DWG. 2326
J. USE 4'-0" I.D. CONCRETE MANHOLE SECTIONS ~~WITH SEALING~~. ADDITIONAL SECTIONS MAY BE ADDED TO ALLOW CONNECTION OF DEEP GRAVITY LINES OR FOR ADDED STORAGE CAPACITY.
K. FINISH GRADE
L. SLOTTED OPENING 1" LARGER THAN FORCE MAIN WITH APPROVED GASKET. GROUT INTERIOR AND EXTERIOR OF OPENING.
M. LOCATION OF LID.
N. 8" x 18" CONC. FOUNDATION W/2-#8 BARS SPACED 3" FROM SIDES & BOTTOM
O. CONCRETE VALVE ANCHORAGE, SEE C.O.A. STANDARD DWG. 2333.

REVISIONS	CITY OF ALBUQUERQUE 6" PIG LAUNCHER DWG. 2165 DEC. 1993

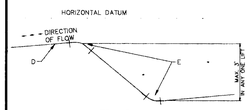
NOTE: EACH HOUSE GRAVITY LATERAL MUST BE DIRECTLY CONNECTED TO 30 GAL. TANK.



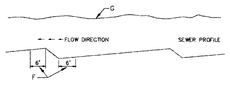
PLAN SHOWING HOLDING TANK WITH TWO HOUSE CONNECTIONS
(BREATHER LINE AND DOME NOT SHOWN)



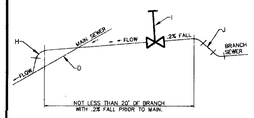
AIRVAC VALVE INSTALLATION IN NARROW RIGHT OF WAY



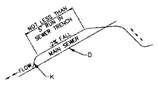
LIFT DETAILS



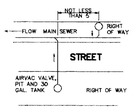
RECOMMENDED POSITIONS FOR CONNECTIONS TO MAIN



DIAGRAMMATIC OF BRANCH CONNECTION TO MAIN



ALTERNATE METHOD OF CONNECTING BRANCH OR CROSSOVER TO MAIN



SKETCH SHOWING MINIMUM SPACING OF CROSSOVER

GENERAL NOTES:

1. ONLY HOMES AND APARTMENTS WHOSE LOWER FLOOR ARE LOWER THAN THE SEWER MAY BE CONNECTED TO A COMMON VACUUM VALVE PIT INSTALLATION. SOME LOCAL CODES MAY REQUIRE THE INSTALLATION OF A BACKFLOW PREVENTER IN THE HOME OWNERS GRAVITY LINES. WITH MULTIPLE FLOOR APARTMENTS EACH FLOOR SHOULD BE SERVICED BY ITS OWN VACUUM VALVE PIT INSTALLATION.
2. NOT LESS THAN 20' BETWEEN SUCCESSIVE LIFTS.
3. CONSULT AIRVAC REGUARDING LIFTS ABOVE 3'.

CONSTRUCTION NOTES:

A. 4", 6", 8" OR 10" VACUUM SEWER.
B. 10"x10"x3" OR 8"x8"x3" OR 6"x6"x3" OR 4"x4"x3" D.W.V. WYE.
C. 3" SCHD. 40 PVC.
D. SLOPE: FOR 4" PIPE USE 2% OF DIST. OR 80% OF PIPE DIA. WHICHEVER IS GREATER. FOR 6" PIPE USE 2% OF DIST. OR 40% OF PIPE DIAMETER WHICHEVER IS GREATER.
E. LONG TURN 45° BENDS IN TWO POSITIONS.
F. AVOID MAKING ANY INLET CONNECTIONS IN THIS AREA.
G. GRADE.
H. ELL 90° AND WYE. IMPORTANT: WYE SHALL BE IN VERTICAL POSITION.
I. DIVISION VALVE.
J. LIFT.
K. WYE AND ST. 45° IN VERTICAL POSITION.

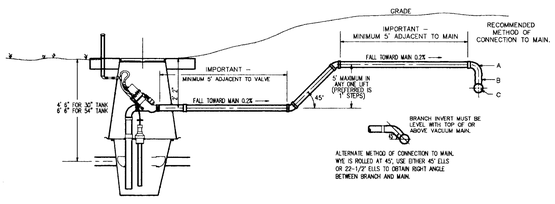
REVISIONS	CITY OF ALBUQUERQUE VACUUM SEWER STANDARD DETAILS DWG. 2705 DEC. 1993

GENERAL NOTES:

1. GRAVITY LINES - IN ALL INSTALLATIONS, SEWAGE SHALL FLOW BY GRAVITY TO THE 30 OR 60 GALLON HOLDING TANK. INSTALL GRAVITY LINES IN ACCORDANCE WITH LOCAL CODES.

CONSTRUCTION NOTES:

A. LONG TURN 90° ELL.
B. WYE IN VERTICAL POSITION.
C. VACUUM SEWER MAIN FLOW OUT OF PAPER



REVISIONS	CITY OF ALBUQUERQUE AIRVAC VALVE INSTALLATION WITH UPGRADE CROSSOVER TO VACUUM SEWER MAIN DWG. 2710 DEC. 1993

EDTL.COA

26-4687.91 0197

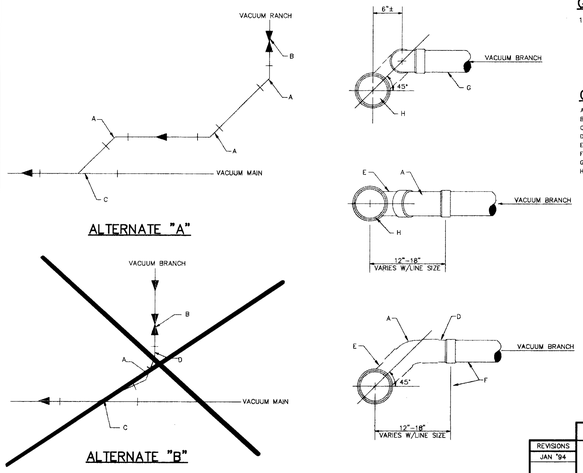
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

STANDARD DETAILS FOR VACUUM SEWER

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. NO. 4687.91	MAP NO.	SHEET 1 OF 3

WILSON & COMPANY



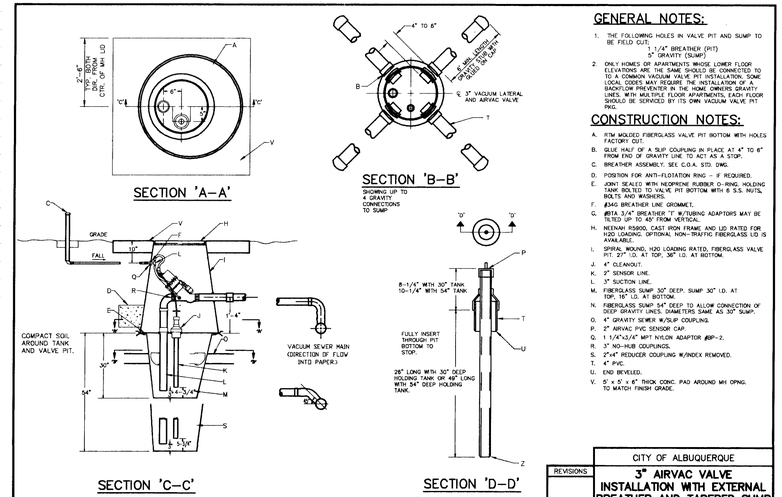
GENERAL NOTES:

1. UNLESS SHOWN ON CONSTRUCTION DRAWINGS, DIVISION VALVES WILL NOT BE INSTALLED FOR SERVICE CONNECTIONS.

CONSTRUCTION NOTES:

A. 45° ELBOW.
B. DIVISION VALVE AS SHOWN ON CONSTRUCTION DWGS.
C. REDUCTION WYE @ 45°.
D. 22 1/2° ELBOW.
E. M/L WYE @ 45°.
F. BOTTOM OF BRANCH IS AT TOP OF MAIN.
G. BOTTOM OF BRANCH IS 1" – 2" ABOVE TOP OF MAIN.
H. VACUUM LINE VELOMED INTO/OUT–OF SHEET.

REVISIONS	CITY OF ALBUQUERQUE
JAN '94	TYPICAL VACUUM BRANCH CONNECTION
	DWG. 2715 DEC. 1993



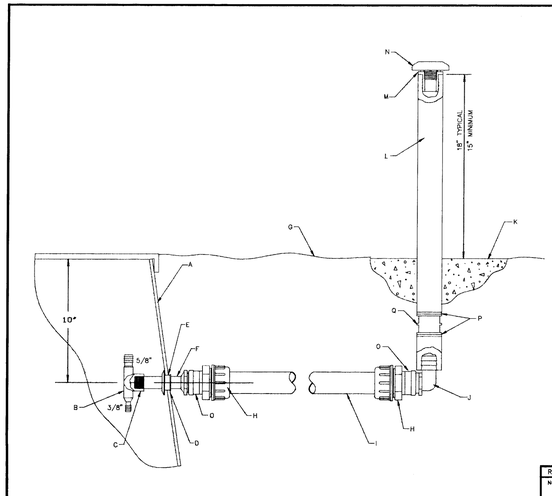
GENERAL NOTES:

1. THE FOLLOWING HOLES IN VALVE PIT AND SUMP TO BE FIELD CUT.
   1 1/4" BREATHER (PIT)
   3" GRAVITY (SUMP)
2. ONLY HOMES OR APARTMENTS WHOSE LOWER FLOOR ELEVATIONS ARE THE SAME SHOULD BE CONNECTED TO A COMMON VACUUM VALVE PIT INSTALLATION. SOME LOCAL CODES MAY REQUIRE THE INSTALLATION OF A BACKFLOW PREVENTER IN THE HOME OWNERS GRAVITY LINES. WITH MULTIPLE FLOOR APARTMENTS, EACH FLOOR SHOULD BE SERVICED BY ITS OWN VACUUM VALVE PIT PKG.

CONSTRUCTION NOTES:

A. RTM MOLDED FIBERGLASS VALVE PIT BOTTOM WITH HOLES FACTORY CUT.
B. GLUE HALF OF A SLIP COUPLING IN PLACE AT 4" TO 6" FROM END OF GRAVITY LINE TO ACT AS A STOP.
C. BREATHER ASSEMBLY. SEE C.O.A. STD. DWG.
D. POSITION FOR ANTI–FLOTATION RING – IF REQUIRED.
E. JOINT SEALED WITH NEOPRENE RUBBER O–RING. HOLDING TANK BOLTED TO VALVE PIT BOTTOM WITH 6 S.S. NUTS, BOLTS AND WASHERS.
F. #34G BREATHER LINE GROMMET.
G. #8TA 3/4" BREATHER 'T' W/TUBING ADAPTORS MAY BE TILTED UP TO 45° FROM VERTICAL.
H. NEENAH R5800, CAST IRON FRAME AND LID RATED FOR H20 LOADING. OPTIONAL NON–TRAFFIC FIBERGLASS LID IS AVAILABLE.
I. SPIRAL WOUND, H20 LOADING RATED, FIBERGLASS VALVE PIT. 27" I.D. AT TOP, 36" I.D. AT BOTTOM.
J. 4" CLEANOUT.
K. 2" SENSOR LINE.
L. 3" SUCTION LINE.
M. FIBERGLASS SUMP 30" DEEP. SUMP 30" I.D. AT TOP, 16" I.D. AT BOTTOM.
N. FIBERGLASS SUMP 54" DEEP TO ALLOW CONNECTION OF DEEP GRAVITY LINES. DIAMETERS SAME AS 30" SUMP.
O. 4" GRAVITY SEWER W/SLIP COUPLING.
P. 2" AIRVAC PVC SENSOR CAP.
Q. 1 1/4"x3/4" MPT NYLON ADAPTOR #8P–2.
R. 3" NO–HUB COUPLINGS.
S. 2"x4" REDUCER COUPLING W/INDEX REMOVED.
T. 4" PVC.
U. END BEVELED.
V. 5' x 5' x 6" THICK CONC. PAD AROUND MH OPNG. TO MATCH FINISH GRADE.

REVISIONS	CITY OF ALBUQUERQUE
	3" AIRVAC VALVE INSTALLATION WITH EXTERNAL BREATHER AND TAPERED SUMP
	DWG. 2720 DEC. 1993



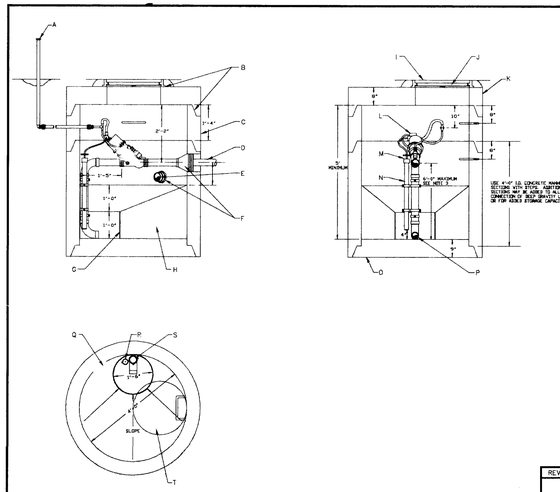
GENERAL NOTES:

1. CAN BE PLACED NEXT TO A STATIONARY OBJECT OUT OF TRAFFIC AREA, OR ATTACHED TO A 4x4 WOOD POST IN LIEU OF MASS CONCRETE.
2. A BLADE TYPE CUTTER SUCH AS RIGID NO. 138 PLASTIC PIPE CUTTER IS RECOMMENDED TO ELIMINATE SHAVINGS IN BREATHER. SHOULD BE SERVICED BY ITS OWN VACUUM VALVE PIT INSTALLATION.

CONSTRUCTION NOTES:

A. AIRVAC SPIRAL WOUND FIBERGLASS VALVE PIT.
B. #8TA – 3/4" BREATHER "T" W/ TUBING ADAPTERS. MAY BE TILTED UP TO 45° FROM VERTICAL.
C. USE TEFLON TAPE.
D. DRILL 1–1/4" HOLE IN PIT WALL.
E. #34G BREATHER LINE GROMMET.
F. 1–1/4"x3/4"x3/4" MPT NYLON ADAPTER #8P–2.
G. GRADE.
H. 1–1/4" COMPRESSION×1–1/4" FPT PVC ADAPTER, FLO–CONTROL #831–12.
I. USE 1–1/4" PIPE SIZE POLYETHYLENE PIPE, SDR11, 200 PSI. SLOPE @ 1/8" PER FOOT TOWARDS VALVE PIT.
J. 1–1/4"x1–1/4" MPT NYLON ELBOW.
K. MASS CONCRETE MIN. 12" DIA. x 4" THICK (SEE NOTE 1).
L. 2' STANDARD LENGTH 1–1/4" I.D.x3/8" WALL GREEN POLYURETHANE TUBING. LENGTH SUCH THAT BREATHER DOME IS ABOVE FLOOD LEVEL.
M. 3/4" FPT×1–1/4" BARB NYLON REDUCER.
N. BDP – GREEN PLASTIC BREATHER DOME.
O. USE PIPE SEALANT.
P. STAINLESS STEEL CLAMPS OR NYLON TIES (IF REQ'D. FOR 15" MIN. HEIGHT ABOVE GROUND)
Q. 1–1/4" NYLON BARB TO BARB ADAPTOR (IF REQ'D. FOR 15" MIN. HEIGHT ABOVE GROUND)

REVISIONS	CITY OF ALBUQUERQUE
NOV. 1994	VACUUM SEWER FLEXIBLE BREATHER PIPE ASSEMBLY
	DWG. 2725 DEC. 1993



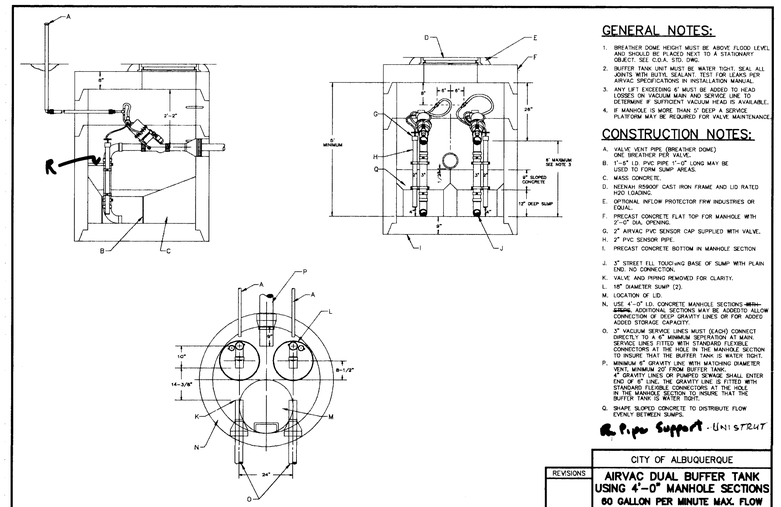
GENERAL NOTES:

1. BREATHER DOME HEIGHT MUST BE ABOVE FLOOD LEVEL AND DOME SHOULD BE PLACED NEXT TO A STATIONARY OBJECT.
2. BUFFER TANK UNIT MUST BE WATER TIGHT. SEAL ALL JOINTS WITH BUTYL SEALANT. TEST FOR LEAKS PER AIRVAC SPECIFICATIONS IN INSTALLATION MANUAL.
3. ANY LIFT EXCEEDING 6' MUST BE ADDED TO HEAD LOSSES ON VACUUM MAIN AND SERVICE LINE TO DETERMINE IF SUFFICIENT VACUUM HEAD IS AVAILABLE.
4. IF MANHOLE IS MORE THAN 5' DEEP A SERVICE PLATFORM MAY BE REQUIRED FOR VALVE MAINTENANCE.

CONSTRUCTION NOTES:

A. VALVE VENT PIPE. (BREATHER DOME)
B. BUTYL SEALANT. SEE NOTE 2.
C. CONCRETE MANHOLE SECTION ~~WITH STEPS~~.
D. 3" VACUUM SERVICE LINE.
E. GRAVITY INLET MUST BE LOCATED BETWEEN THE VACUUM SERVICE LINE AND THE START OF SLOPE TO SUMP.
F. STANDARD FLEXIBLE CONNECTIONS. ALL CONNECTIONS TO BUFFER TANK MUST BE WATER TIGHT.
G. 1'–6" I.D. PVC PIPE 1'–0" LONG MAY BE USED TO FORM SUMP AREA.
H. MASS CONCRETE.
I. NEENAH R5800F CAST IRON FRAME AND LID RATED H20 LOADING.
J. OPTIONAL INFLOW PROTECTOR FRW INDUSTRIES OR EQUAL.
K. PRECAST CONCRETE FLAT TOP FOR MANHOLE WITH 2'–0" DIA. OPENING.
L. 3" "S" MODEL AIRVAC VALVE.
M. 2" AIRVAC PVC SENSOR CAP SUPPLIED WITH VALVE.
N. 2" PVC SENSOR PIPE.
O. PRECAST CONCRETE BOTTOM IN MANHOLE SECTION.
P. 3" STREET ELL TOUCHING BASE OF SUMP WITH PLAIN END. NO CONNECTION.
Q. VALVE AND PIPING REMOVED FOR CLARITY.
R. SENSOR PIPE.
S. VALVE CONNECTION.
T. LOCATION OF LID.

REVISIONS	CITY OF ALBUQUERQUE
	AIRVAC SINGLE BUFFER TANK USING 4'–0" MANHOLE SECTIONS 30 GALLON PER MINUTE MAX. FLOW
	DWG. 2730 DEC. 1993



GENERAL NOTES:

1. BREATHER DOME HEIGHT MUST BE ABOVE FLOOD LEVEL AND SHOULD BE PLACED NEXT TO A STATIONARY OBJECT. SEE C.O.A. STD. DWG.
2. BUFFER TANK UNIT MUST BE WATER TIGHT. SEAL ALL JOINTS WITH BUTYL SEALANT. TEST FOR LEAKS PER AIRVAC SPECIFICATIONS IN INSTALLATION MANUAL.
3. ANY LIFT EXCEEDING 6' MUST BE ADDED TO HEAD LOSSES ON VACUUM MAIN AND SERVICE LINE TO DETERMINE IF SUFFICIENT VACUUM HEAD IS AVAILABLE.
4. IF MANHOLE IS MORE THAN 5' DEEP A SERVICE PLATFORM MAY BE REQUIRED FOR VALVE MAINTENANCE.

CONSTRUCTION NOTES:

A. VALVE VENT PIPE (BREATHER DOME) ONE BREATHER PER VALVE.
B. 1'–6" I.D. PVC PIPE 1'–0" LONG MAY BE USED TO FORM SUMP AREAS.
C. MASS CONCRETE.
D. NEENAH R5800F CAST IRON FRAME AND LID RATED H20 LOADING.
E. OPTIONAL INFLOW PROTECTOR FRW INDUSTRIES OR EQUAL.
F. PRECAST CONCRETE FLAT TOP FOR MANHOLE WITH 2'–0" DIA. OPENING.
G. 2" AIRVAC PVC SENSOR CAP SUPPLIED WITH VALVE.
H. 2" PVC SENSOR PIPE.
I. PRECAST CONCRETE BOTTOM IN MANHOLE SECTION
J. 3" STREET ELL TOUCHING BASE OF SUMP WITH PLAIN END. NO CONNECTION.
K. VALVE AND PIPING REMOVED FOR CLARITY.
L. 18" DIAMETER SUMP (2).
M. LOCATION OF LID.
N. USE 4'–0" I.D. CONCRETE MANHOLE SECTIONS ~~WITH STEPS~~. ADDITIONAL SECTIONS MAY BE ADDED TO ALLOW CONNECTION OF DEEP GRAVITY LINES OR FOR ADDED ADDED STORAGE CAPACITY.
O. 3" VACUUM SERVICE LINES MUST (EACH) CONNECT DIRECTLY TO A 8" MINIMUM SEPARATION AT MAIN. SERVICE LINES FITTED WITH STANDARD FLEXIBLE CONNECTORS AT THE HOLE IN THE MANHOLE SECTION TO INSURE THAT THE BUFFER TANK IS WATER TIGHT.
P. MINIMUM 8" GRAVITY LINE WITH MATCHING DIAMETER VENT. MINIMUM 20' FROM BUFFER TANK. 4" GRAVITY LINES OR PUMPED SEWAGE SHALL ENTER END OF 8" LINE. THE GRAVITY LINE IS FITTED WITH STANDARD FLEXIBLE CONNECTORS AT THE HOLE IN THE MANHOLE SECTION TO INSURE THAT THE BUFFER TANK IS WATER TIGHT.
Q. SHAPE SLOPED CONCRETE TO DISTRIBUTE FLOW EVENLY BETWEEN SUMPS.

Pipe Support - UNISTRUT

REVISIONS	CITY OF ALBUQUERQUE
	AIRVAC DUAL BUFFER TANK USING 4'–0" MANHOLE SECTIONS 60 GALLON PER MINUTE MAX. FLOW
	DWG. 2731 DEC. 1993

26-4687.91 0297

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

STANDARD DETAILS FOR VACUUM SEWER

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. NO. 4687.91	MAP NO.	SHEET 2 OF 3

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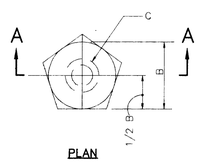
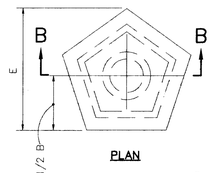


PLAN



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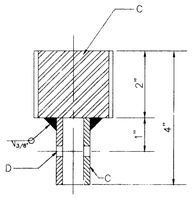
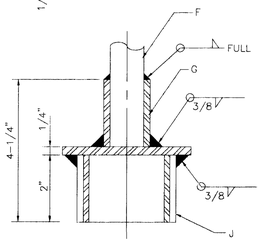


SECTION A–A

EXTENSION NUT



SECTION B–B

EXTENSION SOCKET

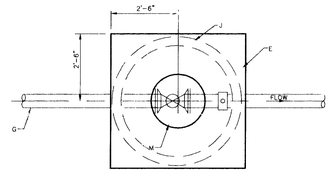
GENERAL NOTES:

1. THESE NUTS AND SOCKETS ARE A PART OF THE VALVE STEM EXTENSION, SEE VACUUM DIVISION VALVE VAULT DWG. 2736

CONSTRUCTION NOTES:

A. 2" LONG H.R. STEEL BAR, 2" x 2"
B. 2" DIA. CIRCLE W/ PENTAGON CIRCUMSCRIBED ABOUT CIRCLE
C. 1" DIAMETER, SCH 40 x 2" (1.315 O.D. x 1.049 I.D.)
D. DRILL .312 DIAMETER HOLE THROUGH PIPE FOR .31 DIAMETER CLEVIS PIN/COTTER PIN.
E. 3-1/4"
F. 1" DIAMETER EXTENSION BAR
G. 1" DIAMETER, SCH 40 x 2" (1.315 O.D. x 1.049 I.D.)
H. PENTAGONAL SHAPED x 1/4" H.R. STEEL PLATE 1/2" LARGER THAN TUBULAR SECTION BELOW
J. 2" LONG H.R. STEEL PENTAGONAL SHAPED TUBULAR SECTION x .1875 WALL W/ 1/8" TOTAL CLEARANCE TO EXTENSION NUT.

REVISIONS	CITY OF ALBUQUERQUE SEWER VACUUM DIVISION VALVE STEM NUTS AND SOCKETS DWG. 2735 DEC. 1993



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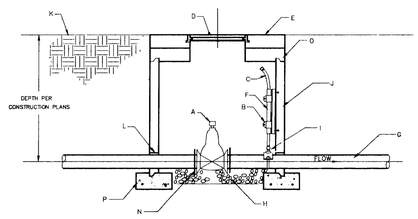


SECTION

GENERAL NOTES:

1. ALL COMPACTION FOR INSTALLATION OF DIVISION VALVE VAULT TO BE 95% OF MAXIMUM DRY DENSITY PER ASTM D 1557.

CONSTRUCTION NOTES:

A. RESILIENT SEAT WEDGE MJ GATE VALVE W/2"-5 SIDES NUT PER STANDARD DRAWING 2730.
B. PIPE CLAMP/UNISTRUT MOUNTED TO WALL W/ 1/4" x 2" EXPANSION ANCHORS
C. 1/2" FEMALE RUBBER AIR HOSE W/NPT TYPE COUPLING
D. CAST IRON MANHOLE FRAME AND COVER; SEE C.O.A. STD. DWG. 2110.
E. 5' x 5' x 6" THICK CONC. PAD AROUND MH OPNG. TO MATCH FINISH GRADE.
F. 3/4" O.D. GALVANIZED PIPE TO SUPPORT 1/2" DIAMETER AIR HOSE.
G. VACUUM MAIN
H. 6" DEEP 3/4" GRAVEL
I. 1/2" TAPPING SADDLE W/ CORP STOP
J. 4'-0" I.D. PRECAST CONCRETE MANHOLE SECTIONS AT ALL DIVISION VALVES.
K. FINISH GRADE
L. SLOTTED OPENING 1" LARGER THAN VACUUM MAIN WITH APPROVED GASKET. GROUT INTERIOR AND EXTERIOR OF OPENING.
M. LOCATION OF I.D.
N. MEGA LUG RESTRAINING GLAND.
O. PRECAST CONCRETE FLAT TOP FOR MANHOLE W/ 36"-1/2" DIA. OPENING PER C.O.A. STANDARD DWG. 2326.
P. 8" x 18" CONC. FOUNDATION W/2-#5 BARS SPACED 3" FROM SIDES & BOTTOM.

REVISIONS	CITY OF ALBUQUERQUE
(1) 1-5-95	VACUUM DIVISION VALVE VAULT DWG. 2736 DEC. 1993

GENERAL NOTES:

1. ALL COMPACTION FOR INSTALLATION OF VACUUM VALVE PIT TO BE 95% OF MAXIMUM DRY DENSITY PER ASTM D 1557.
2. AVOID EXCESSIVE EXPOSURE TO SUNLIGHT OF OPEN VACUUM VALVE PITS. CLOSE & COMPLETE WITHIN 3 DAYS TO INSURE INTEGRITY OF RUBBER O-RING.

CONSTRUCTION NOTES:

A. 62" SQUARE CONC. ANTI-FLOTATION COLLAR; SEE TABLE 1 FOR THICKNESS.
B. CLEARANCE BETWEEN CONCRETE COLLAR AND FIBERGLASS PIT.
C. 35" DIA. OPENING @ TOP OF SLAB.
D. 35-1/2" DIA. OPENING @ BOTTOM OF SLAB.
E. 5' DIA. x 6" THICK CONC. PAD AROUND MH OPNG. TO MATCH FINISH GRADE W/TAPER AS SHOWN.
F. CAST IRON MANHOLE FRAME AND COVER; SEE C.O.A. STD. DWG. 2110.
G. 1" CLEARANCE TO BOTTOM OF 3" LATERAL
H. 3" THICK 3/4" GRAVEL
I. COMPACTED SUBGRADE
J. FINISH PAVING SURFACE
K. 8" x 8" NO. 6 GA. WIRE MESH

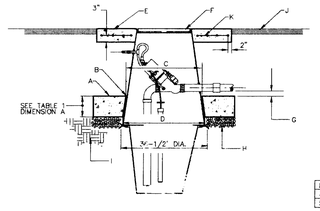


TABLE 1

DESCRIPTION	DIM. A
30" SUMP PACKAGE	7 1/2"
54" SUMP PACKAGE	9 1/2"

REVISIONS	CITY OF ALBUQUERQUE
NOV. 1994	VACUUM SEWER TYPE "A" VACUUM VALVE PIT DWG. 2740 DEC. 1993

GENERAL NOTES:

1. ALL COMPACTION FOR INSTALLATION OF VACUUM VALVE PIT TO BE 95% OF MAXIMUM DRY DENSITY PER ASTM D 1557.
2. AVOID EXCESSIVE EXPOSURE TO SUNLIGHT OF OPEN VACUUM VALVE PITS. CLOSE & COMPLETE WITHIN 3 DAYS TO INSURE INTEGRITY OF RUBBER O-RING.

CONSTRUCTION NOTES:

A. 62" SQUARE CONC. ANTI-FLOTATION COLLAR; SEE TABLE 1 FOR THICKNESS.
B. CLEARANCE BETWEEN CONCRETE COLLAR AND FIBERGLASS PIT.
C. 35" DIA. OPENING @ TOP OF SLAB.
D. 35-1/2" DIA. OPENING @ BOTTOM OF SLAB.
E. 5' DIA. x 6" THICK CONC. PAD AROUND MH OPNG. TO MATCH FINISH GRADE W/TAPER AS SHOWN.
F. CAST IRON MANHOLE FRAME AND COVER; SEE C.O.A. STD. DWG. 2110.
G. 1" CLEARANCE TO BOTTOM OF 3" LATERAL
H. 3" THICK 3/4" GRAVEL
I. COMPACTED SUBGRADE
J. FINISH GRADE
K. 8" x 8" NO. 6 GA. WIRE MESH.

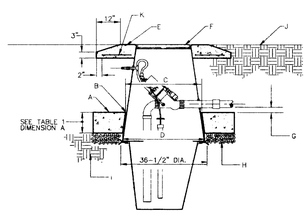
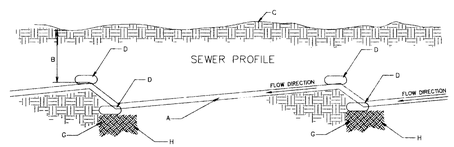


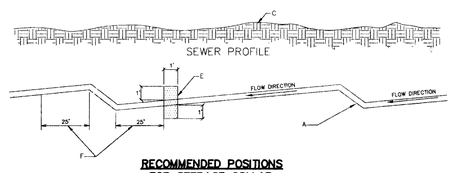
TABLE 1

DESCRIPTION	DIM. A
30" SUMP PACKAGE	7 1/2"
54" SUMP PACKAGE	9 1/2"

REVISIONS	CITY OF ALBUQUERQUE
NOV. 1994	VACUUM SEWER TYPE "B" VACUUM VALVE PIT DWG. 2741 DEC. 1993



RECOMMENDED POSITIONS FOR BLOCKING DETAIL



RECOMMENDED POSITIONS FOR SEEPAGE COLLAR

GENERAL NOTES:

1. BENTONITE COLLAR TO BE INSTALLED EVERY 250' ALONG VACUUM SEWER RUN.
2. BENTONITE SEEPAGE COLLARS ARE FOR VACUUM SEWER LINES AND FORCEMAINS INSTALLED IN ARROYO IRRIGATION LATERAL RIGHTS-OF-WAY ONLY.

CONSTRUCTION NOTES:

A. 4", 6", 8" OR 10" VACUUM SEWER.
B. DEPTH PER PLANS
C. FINISH GRADE
D. 80 LB BAG OF REDI-MIX CONCRETE WITH CUT ON TOP.
E. BENTONITE SEEPAGE COLLARS; SEE SPECS. BELOW
F. MIN. DISTANCE FROM 45° BENDS
G. UNDISTURBED EARTH
H. 95% COMPACTED SUBGRADE

BENTONITE SPECIFICATIONS:

HYDROGEL BENTONITE
BY WYO-BEN, INC. OR
APPROVED EQUAL

BARREL YIELD	92
VISCOMETER READING AT 600 R.P.M.	39 +/- .5
WATER LOSS	13.5 +/- 1
% THRU 200 MESH SCREEN	80 +/- 2
SIEVE ANALYSIS RESIDUE ON U.S. SIEVE NO. 200	3.0 +/- .5
% MOISTURE	7 +/- 1
pH	9.1 +/- .1
GEL STRENGTH-10SEC.	18 +/- 2
GEL STRENGTH-10 MIN.	
PLASTIC VISCOSITY	14 +/- 2
YIELD POINT, LB/200 ft.	16 +/- 4

MIX 20 TO 50 LBS. PER 100 GALLONS OF MAKE-UP WATER. PACKAGED : 50 POUND AND 100 POUND MULTIWALLED PAPER BAGS.

REVISIONS	CITY OF ALBUQUERQUE
	VACUUM SEWER BLOCKING AND SEEPAGE COLLAR DETAIL DWG. 2745 DEC. 1993

26-4687.91 0397

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

STANDARD DETAILS FOR VACUUM SEWER

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. NO. 4687.91	MAP NO.	SHEET 3 OF 3

WILSON & COMPANY

EDTLCOA