RECORD DRAWINGS

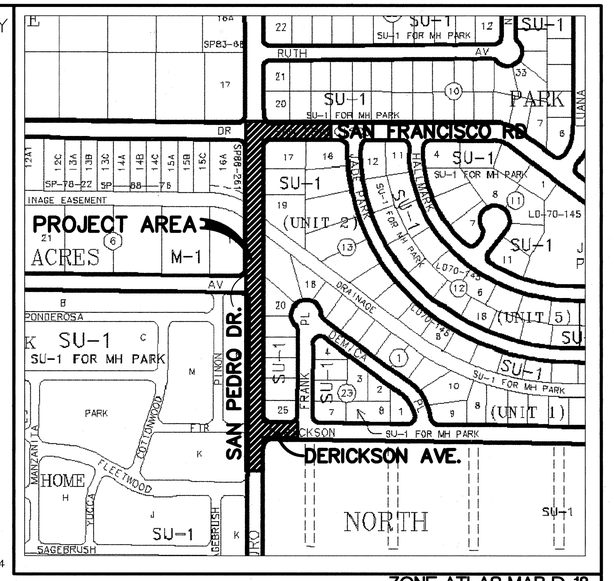
I, David B. Thompson of the firm of Thompson Engineering Consultants Inc., A Registered Professional Engineer in the State of New Mexico, do hereby state, to the best of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by a qualified person under my direct supervision and has been constructed in general accordance with the plans and specifications, while someone from Smith Engineering Company was onsite, approved by the City Engineer and that the original design intent of the approved plans has been met, except as noted on the as-built construction drawings. The Certification is based on site inspections by me or personnel under my direction, and as-built survey information provided by Will Plotner (Surveyor Name) NMPS number 14271 (PS#).

RECORD DRAWINGS

I, Douglas L. Andrews of the firm of Smith Engineering Company, A Registered Professional Engineer in the State of New Mexico, do hereby state, to the best of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by a qualified person under my direct supervision and has been constructed in general accordance with the plans and specifications, while someone from Smith Engineering Company was onsite, approved by the City Engineer and that the original design intent of the approved plans has been met, except as noted on the as-built construction drawings. The Certification is based on site inspections by me or personnel under my direction, and as-built survey information provided by Will Plotner (Surveyor Name) NMPS number 14271 (PS#).

DOUGLAS L. ANDREWS NEW MEXICO 11771 REGISTERED PROFESSIONAL ENGINEER
10-17-05

VICINITY MAP



N
MAP NO. M-14

ZONE ATLAS MAP D-18

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
PLANS FOR CONSTRUCTION
SAN PEDRO COLLECTORS
TO THE NORTH PINO ARROYO

INDEX OF SHEETS

1. TITLE SHEET
2. GENERAL NOTES AND LEGEND
3. OVERALL STORM DRAIN PLAN AND WATER SHUT OFF PLAN
4. UTILITY PLAN AND PROFILE SAN PEDRO DRIVE NORTH OF NORTH PINO ARROYO
5. UTILITY PLAN AND PROFILE SAN FRANCISCO RD. NORTH OF NORTH PINO ARROYO
6. UTILITY PLAN AND PROFILE SAN PEDRO DRIVE SOUTH OF NORTH PINO ARROYO – STA. B.O.P. TO STA. 14+20.00
7. UTILITY PLAN AND PROFILE SAN PEDRO DRIVE SOUTH OF NORTH PINO ARROYO – STA. 14+20.00 TO STA. 18+40.00
8. UTILITY PLAN AND PROFILE SAN PEDRO DRIVE SOUTH OF NORTH PINO ARROYO – STA. 18+40.00 TO STA. E.O.P.
9. UTILITY PLAN AND PROFILE DERICKSON AVE. SOUTH OF NORTH PINO ARROYO – STA. 10+00.00 TO STA. 12+80.00
10. REMOVAL SHEET SAN PEDRO DRIVE NORTH OF NORTH PINO ARROYO AND SAN FRANCISCO RD.
11. REMOVAL SHEET SAN PEDRO DRIVE SOUTH OF NORTH PINO ARROYO – STA. B.O.P. TO STA. 14+20.00 AND STA. 14+20.00 TO STA. 18+40.00
12. REMOVAL SHEET SAN PEDRO DRIVE SOUTH OF NORTH PINO ARROYO – STA. 18+40.00 TO STA. E.O.P. AND DERICKSON AVE.
13. TYPICAL STREET SECTIONS
14. CONNECTION TO STORM DRAIN STUB–OUTS AT THE NORTH PINO ARROYO
15. MISCELLANEOUS DETAILS FOR NORTH STORM DRAIN
16. MISCELLANEOUS DETAILS FOR SOUTH STORM DRAIN
17. SAN FRANCISCO ROAD CATTLE GUARD INLET DETAIL SHEET
18. DERICKSON AVENUE CATTLE GUARD INLET DETAIL SHEET
19. TRAFFIC CONTROL OVERALL PHASE I
20. TRAFFIC CONTROL WORKZONE PLAN PHASE I
21. TRAFFIC CONTROL OVERALL PHASE II
22. TRAFFIC CONTROL WORKZONE PLAN PHASE II
23. TRAFFIC CONTROL OVERALL PHASE III
24. TRAFFIC CONTROL WORKZONE PLAN PHASE III

NOTES:

1. CONTRACTOR SHALL WORK CONTINUOUSLY, 24–HOURS PER DAY, ON ALL ARTERIAL ROADWAYS WHEN TRAFFIC LANES ARE CLOSED TO TRAFFIC UNLESS THE WORK VIOLATES THE CITY'S NOISE ORDINANCE.

2. IF THE CONTRACTOR IS NOT ALLOWED TO WORK AT NIGHT DUE TO NOISE ORDINANCE VIOLATIONS, THE CONTRACTOR SHALL OPEN ALL TRAFFIC LANES TO TRAFFIC WITH THE PROPER USE OF TRENCH PLATES DURING NON–WORKING HOURS, AND MUST WORK MINIMUM HOURS FROM 7:00 A.M. TO 10:00 P.M. MONDAY THROUGH SATURDAYS.

3. ARTERIAL STREETS ARE AS INDICATED IN THE "LONG RANGE ROADWAY SYSTEM" MAP PUBLISHED BY THE MID–REGION COUNCIL OF GOVERNMENTS (MRCOG).

APPROVAL OF RECORD DRAWINGS
CHIEF CONSTRUCTION ENGINEER
DATE 11-14-05

SURVEYOR'S CERTIFICATION

I, WILL PLOTNER JR, A DULY QUALIFIED, REGISTERED, PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF NEW MEXICO, DO HEREBY CERTIFY THAT THE 'AS-BUILT ' INFORMATION SHOWN ON THESE DRAWINGS WAS OBTAINED FROM FIELD CONSTRUCTION AND 'AS-BUILT' SURVEYS PERFORMED BY ME OR UNDER MY SUPERVISION, THAT THE 'AS-BUILT' INFORMATION SHOWN ON THESE DRAWNINGS WAS ADDED BY ME OR UNDER MY SUPERVISION , AND THAT THIS 'AS-BUILT' INFORMATION IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. CARTESIAN SURVEYS IS NOT RESPONSIBLE FOR ANY OF THE DESIGN CONCEPTS, CALCULATIONS, ENGINEERING, OR INTENT OF THE RECORD DRAWINGS.

WILL PLOTNER JR, NMPS 14271

WILL W. PLOTNER, JR. NEW MEXICO 14271 REGISTERED PROFESSIONAL SURVEYOR
9/13/05

DISCLOSURE STATEMENT:

"THE SUBJECT PROPERTY IS LOCATED NEAR, A FORMER, LANDFILL. DUE TO THE SUBJECT PROPERTY BEING NEAR, A FORMER LANDFILL, CERTAIN PRECAUTIONARY MEASURES MAY NEED TO BE TAKEN TO ENSURE THE HEALTH AND SAFETY OF THE PUBLIC. RECOMMENDATIONS MADE BY A PROFESSIONAL ENGINEER WITH EXPERTISE IN LANDFILLS AND LANDFILL GAS ISSUES (AS REQUIRED BY THE MOST CURRENT VERSION OF THE "INTERIM GUIDELINES FOR DEVELOPMENT WITHIN 1000 FEET OF LANDFILLS") SHALL BE CONSULTED PRIOR TO DEVELOPMENT OF THE SITE."

APPROVED FOR CONSTRUCTION

INTERA INC.
OCT 19, 2004
MARCIA PINCUS, P.E. — DATE
ENVIRONMENTAL HEALTH DEPARTMENT
CITY OF ALBUQUERQUE

UTILITY COMPANY CONTACTS

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GENUITY
JEFF KETTERER
SUPERVISER
OSP MAINTENANCE
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Indianapolis, IN 46202
(317) 633–5562

TIME WARNER TELECOM
ROYAL HARRISON
Plant Manager
3830 Singer Blvd. NE, Suite 1000
Albuquerque, NM 87109
(505) 938–7339

CALL BEFORE YOU DIG!
STATEWIDE 1-800-321-ALERT
ALBUQUERQUE 260-1990

Smith Engineering Company
A Full Service Engineering Company
6400 Uptown Boulevard, N.E. Suite 600E Albuquerque, New Mexico 87110

Thompson Engineering Consultants, Inc.
tecnm@yahoo.com
4800 JUAN TABO NE., SUITE C PHONE: (505) 271-2199
ALBUQUERQUE, NEW MEXICO 87111 FAX: (505) 237-8422

REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE

ENGINEERS STAMP & SIGNATURE

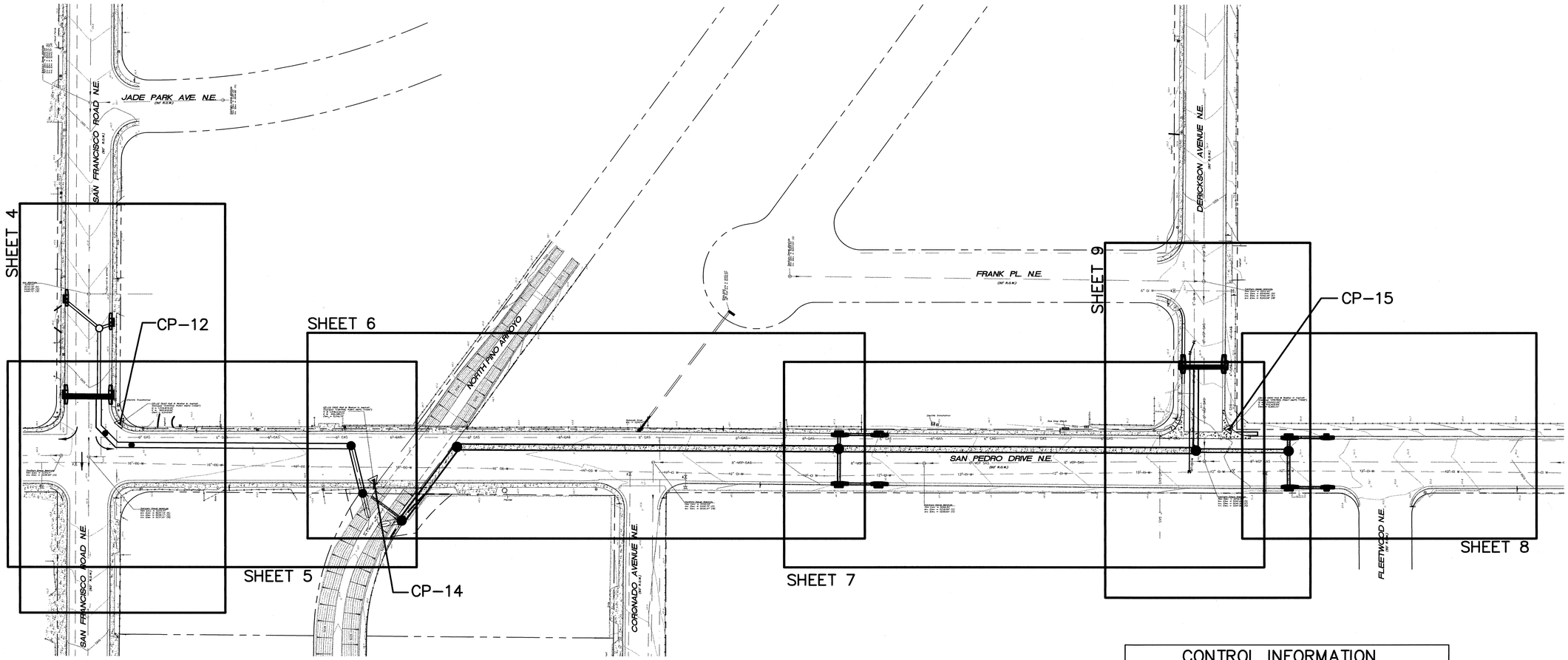
APPROVED	ENGINEER	DATE
DRC Chairman		10-20-04
Transportation		10-5-04
Water/Wastewater	William D. Balch	10-5-04
Hydrology		10-5-04
Constr. Coord.		10-20-04

APPROVED FOR CONSTRUCTION
10-20-04
CITY ENGINEER DATE

PROJECT NUMBER	ZONE MAP NO.	DRAWING NO.
716802	D-18	1 OF 24

Z:\PROJECTS\SAN PEDRO COLLECTORS\PLANSET-95%\01-TITLE.DWG 9-25-04 9:18:41 am EST

RECORD DRAWINGS



WATER SHUT-OFF NOTES

SAN PEDRO DRIVE NORTH OF NORTH PINO CHANNEL

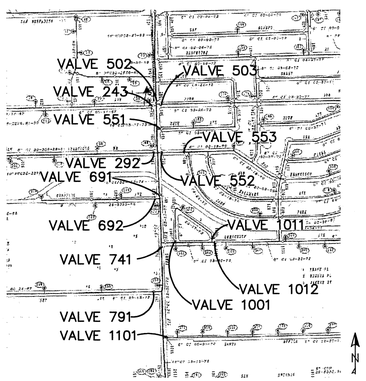
1. CLOSE VALVES 691, 292, 243, 502, 503, 551, 552.
2. REMOVE AND REPLACE 3/4" WATER SERVICES IN SAN PEDRO DRIVE.
3. OPEN VALVES 691, 292, 243, 502, 503, 551, 553.

SAN FRANCISCO ROAD

1. CLOSE VALVES 553, 691, 292, 243, 502, 503, 551.
2. REMOVE AND REPLACE EXISTING 6" WATERLINE IN SAN FRANCISCO ROAD.
3. OPEN VALVES 553, 691, 292, 243, 502, 503, 551.

SAN PEDRO DRIVE AT DERICKSON AVENUE

1. CLOSE VALVES 741, 692, 691, 1001, 1011, 1012.
2. REMOVE AND REPLACE EXISTING 6" WATERLINE IN DERICKSON AVENUE.
3. OPEN VALVES 741, 629, 691, 1001, 1011, 1012.



WATER SHUT-OFF PLAN

NTS

RESTRAINED JOINT LENGTHS, L_T FOR WATERLINE FITTINGS (FT.)

SIZE	VERT. BENDS			
	45°		22 1/2°	
	HIGH END	LOW END	HIGH END	LOW END
6"	27	5	10	1

RESTRAINED JOINT LENGTHS, L_T FOR HORIZONTAL BENDS, VALVES, AND DEAD ENDS, (FT.)

SIZE	HORZ. BENDS				VALVES & DEAD ENDS
	90°	45°	22 1/2°	11 1/4°	
6"	17	7	3	2	46

RESTRAINED JOINT LENGTHS, L_T FOR TEES, (FT.) ALL JOINTS AT THE TEE MUST BE RESTRAINED.

SIZE	RUN	BRANCH
6x6x6	6	20
12x12x6	3	19

CONTROL INFORMATION

PNT #	NORTHING	EASTING	ELEVATION
CP-10	1517,206.24	403203.43	5261.69
CP-11	1517256.82	402369.75	5240.84
CP-12	1516,672.29	402433.68	5243.99
CP-13	1516719.37	402909.81	5254.40
CP-14	1516,432.23	402380.07	5242.18
CP-15	1515622.09	402428.69	5250.23
CP-16	1515621.58	403008.63	5264.46
CP-17	1515127.60	402427.99	5259.65

SCALE 1" = 50'

AS BUILT INFORMATION
CONTRACTOR Saco Bravos DATE 9/26/05
WORK STAKED BY: Cartesian Surveys Inc. DATE 9/26/05
INSPECTION BY Sec DATE 9/26/05
ACCEPTANCE BY: DATE 9/26/05
VERIFICATION BY Cartesian Surveys Inc. DATE 9/26/05
DRAWINGS DIRECTED BY Sec DATE 9/26/05
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
NMSHC BRASS TABLET STAMPED "125-14, 1969"
LOCATED AT THE NMDOT DISTRICT 3 OFFICES DRIVEWAY ON THE I-25 EAST FRONTAGE ROAD
X= 399,828.26 Y= 1,514,860.92
G-C= 0.99966298
ΔX= 011'35"
(NAD 1927/SLD 1929)
ELEVATION= 5196.73

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEERS SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY DBT	DATE 10/01/04
		DRAWN BY DEM	DATE 10/01/04
		CHECKED BY DBT	DATE 10/01/04

Thompson Engineering Consultants, Inc.
tecnm@yahoo.com
4800 JUAN TABO NE, SUITE C PHONE: (505) 271-2199
ALBUQUERQUE, NEW MEXICO 87111 FAX: (505) 237-8422

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
STORM DRAIN DESIGN DIVISION

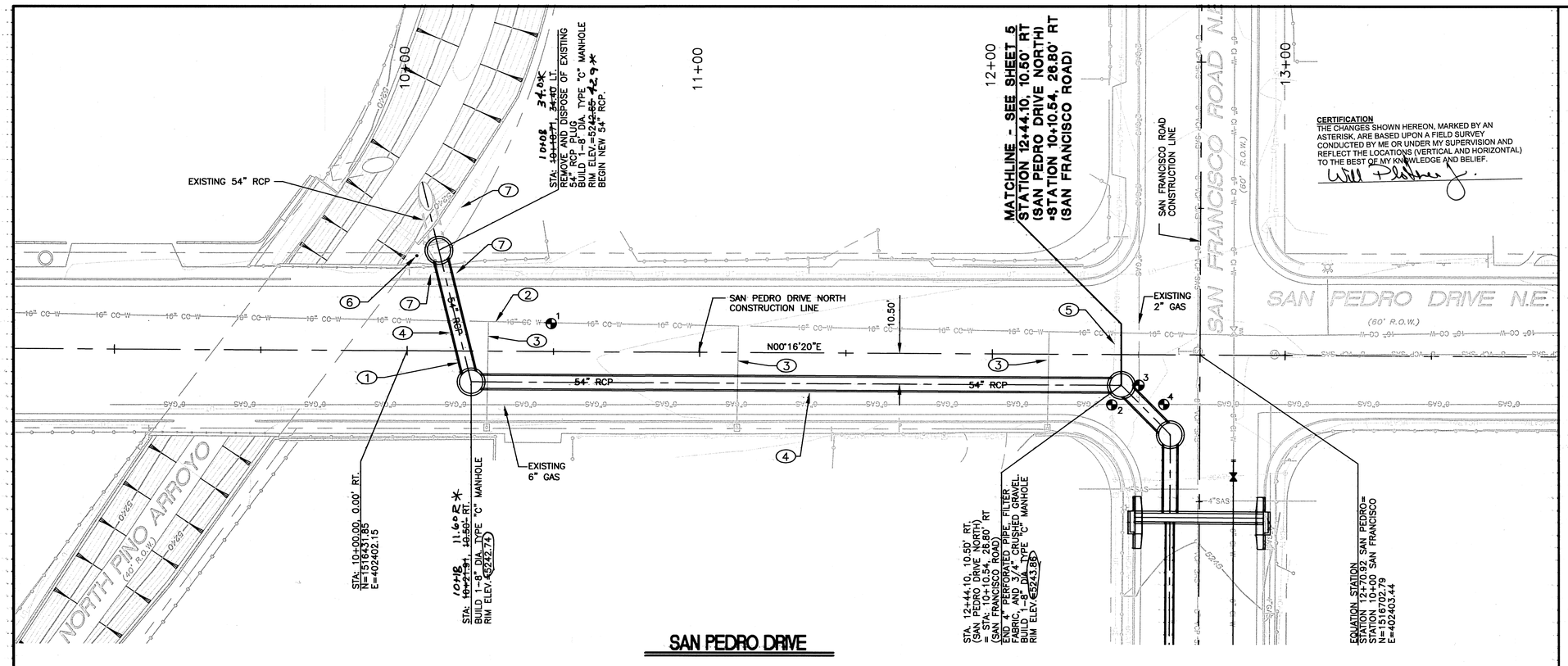
SAN PEDRO COLLECTORS TO THE NORTH PINO ARROYO
OVERALL STORM DRAIN PLAN AND WATER SHUT OFF PLAN

Project Design Consultant: APPROVED OCT 20 2004 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED OCT 20 2004 CITY ENGINEER
Last Design Update: No. / Day / Yr. | No. / Day / Yr.

City Project No. 716802 | Zone Map No. D-18 | Sheet No. | Drawing No. 3 of 24

Z:\PROJECTS\SAN PEDRO COLLECTORS\PLANSET-95%\03-OVERALL.DWG 10-1-04 11:37:38 am EST

RECORD DRAWINGS



KEYED NOTES:

1. SEE SHEET 15 FOR PROFILE OF 54" RCP AT CENTERLINE OF PIPE. (STATION 10+09.98 TO 10+21.91)
2. CONTRACTOR TO PROTECT EXISTING 16" CC WATERLINE.
3. CONTRACTOR TO REMOVE AND DISPOSE EXISTING 3/4" WATER SERVICE. REINSTALL NEW 3/4" SERVICE LINE PER COA STANDARD DRAWING 2363. CONTRACTOR TO UTILIZE EXISTING WATER METER.
4. CONTRACTOR TO INSTALL 4" PERFORATED PIPE, FILTER FABRIC, AND 1" TO 1½" ROUND ROCK, SEE DETAIL SHEET 15.
5. CONTRACTOR SHALL SUPPORT EXISTING COMCAST CABLE LINE DURING CONSTRUCTION. CONTRACTOR SHALL LAY EXISTING COMCAST CABLE LINE ON TOP OF NEW 54" RCP PRIOR TO BACKFILLING.
6. CONTRACTOR TO INSTALL 4" DUCTILE IRON METHANE GAS VENT, SEE DETIAL SHEET 15.
7. CONTRACTOR SHALL SUPPORT EXISTING QWEST DIRECT BURIED LINE DURING CONSTRUCTION. CONTRACTOR SHALL LAY EXISTING QWEST LINE ON TOP OF NEW 54" RCP PRIOR TO BACKFILLING.

CERTIFICATION
THE CHANGES SHOWN HEREON, MARKED BY AN ASTERISK, ARE BASED UPON A FIELD SURVEY CONDUCTED BY ME OR UNDER MY SUPERVISION AND REFLECT THE LOCATIONS (VERTICAL AND HORIZONTAL) TO THE BEST OF MY KNOWLEDGE AND BELIEF.

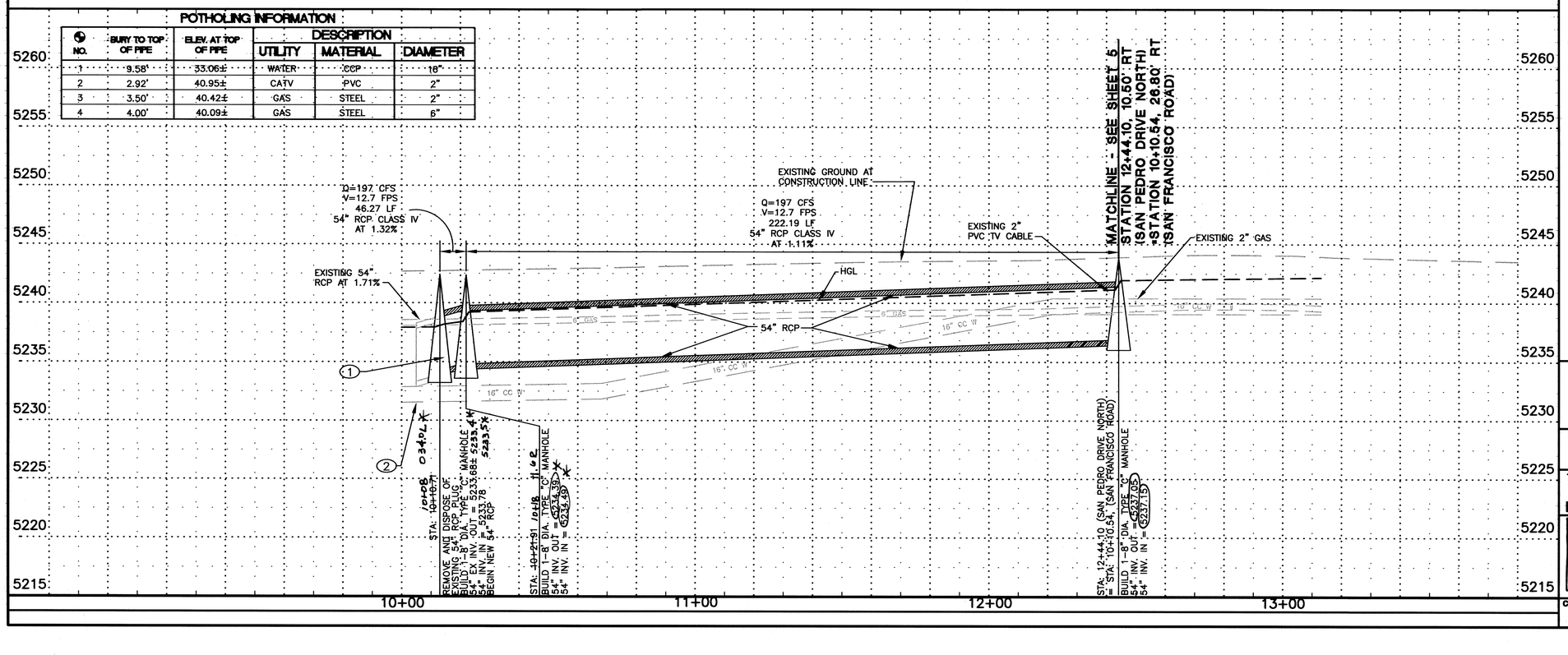
Will Plotner

GENERAL NOTES:

1. ALL WATERLINE FITTINGS INSTALLED THAT CONNECT TO EXISTING WATERLINES SHALL UTILIZE PORTLAND CEMENT CONCRETE BLOCKING PER COA STD. DWG. 2320.
2. IF TRASH IS ENCOUNTERED DURING THE INSTALLATION OF THE PROPOSED STORM DRAIN FACILITIES OR WATER LINE FACILITIES THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL TRASH WITHIN THE TRENCH PRISM / AREA. ALL TRASH MUST BE DISPOSED OF AT A LANDFILL REGISTERED / LICENSED WITH THE STATE OF NEW MEXICO.
3. IF TRASH IS ENCOUNTERED, CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL TRASH LOCATED UNDER ANY PROPOSED PIPING (STORM DRAIN OR WATERLINE) TO A DEPTH OF FIVE (5) FEET (BELOW THE BOTTOM OF THE PROPOSED PIPE). CONTRACTOR SHALL REPLACE THE VOIDED AREA LEFT FROM THE TRASH REMOVAL WITH SUITABLE MATERIAL. THE SUITABLE MATERIAL SHALL BE COMPACTED IN EIGHT (8) INCH LIFTS TO 90% PER ASTM D-1557. PLACEMENT AND COMPACTION OF THE SUITABLE MATERIAL UNDER THE PROPOSED PIPES SHALL BE CONSIDERED INCIDENTAL TO TRASH REMOVAL AND DISPOSAL AND NO SEPARATE OR ADDITIONAL PAYMENT WILL BE MADE. IF TRASH IS FOUND TO EXIST DEEPER THAN THE FIVE (5) FEET MENTIONED ABOVE, THE CONTRACTOR SHALL COORDINATE WITH VINYARD & ASSOCIATES (505-797-9743) TO INSTALL MONITORING WELLS.

POTHOLING INFORMATION

NO.	BURY TO TOP OF PIPE	ELEV. AT TOP OF PIPE	DESCRIPTION		
			UTILITY	MATERIAL	DIAMETER
1	9.58'	33.06±	WATER	CCP	16"
2	2.92'	40.95±	CATV	PVC	2"
3	3.50'	40.42±	GAS	STEEL	2"
4	4.00'	40.09±	GAS	STEEL	6"



SCALE: 1" = 20'

104110
Smith Engineering Company
A Full Service Engineering Company
6400 Uptown Boulevard, N.E. Suite 600W Albuquerque, New Mexico 87110

AS BUILT INFORMATION
CONTRACTOR Sauz Brothers
WORK STAKED BY: Cartesian Surveys Inc. DATE 7/06
STANDARDS ACCEPTANCE BY Sec DATE 7/06
VERIFICATION BY Cartesian Surveys INC DATE 7/06
DRAWINGS MARKED BY Sec DATE 7/06
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
NMSHC BRASS TABLET STAMPED "125-14, 1969"
LOCATED AT THE NMDOT DISTRICT 3 OFFICES
DRIVEWAY ON THE I-25 EAST FRONTAGE ROAD
X= 399,828.26 Y= 1,514,860.92
G-C= 0.99966298
Δ X= 0°11'35"
(NAD 1927/SLD 1929)
ELEVATION= 5196.73

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

REMARKS
REVISIONS

	BY	DATE
DESIGN	DLA	06/04
DESIGNED BY	DLA	06/04
DRAWN BY	KSH	06/04
CHECKED BY	DLA	06/04

ENGINEER'S SEAL
DOUGLAS L. ANDREWS
NEW MEXICO
11771
REGISTERED PROFESSIONAL ENGINEER
Douglas L. Andrews
10-18-04

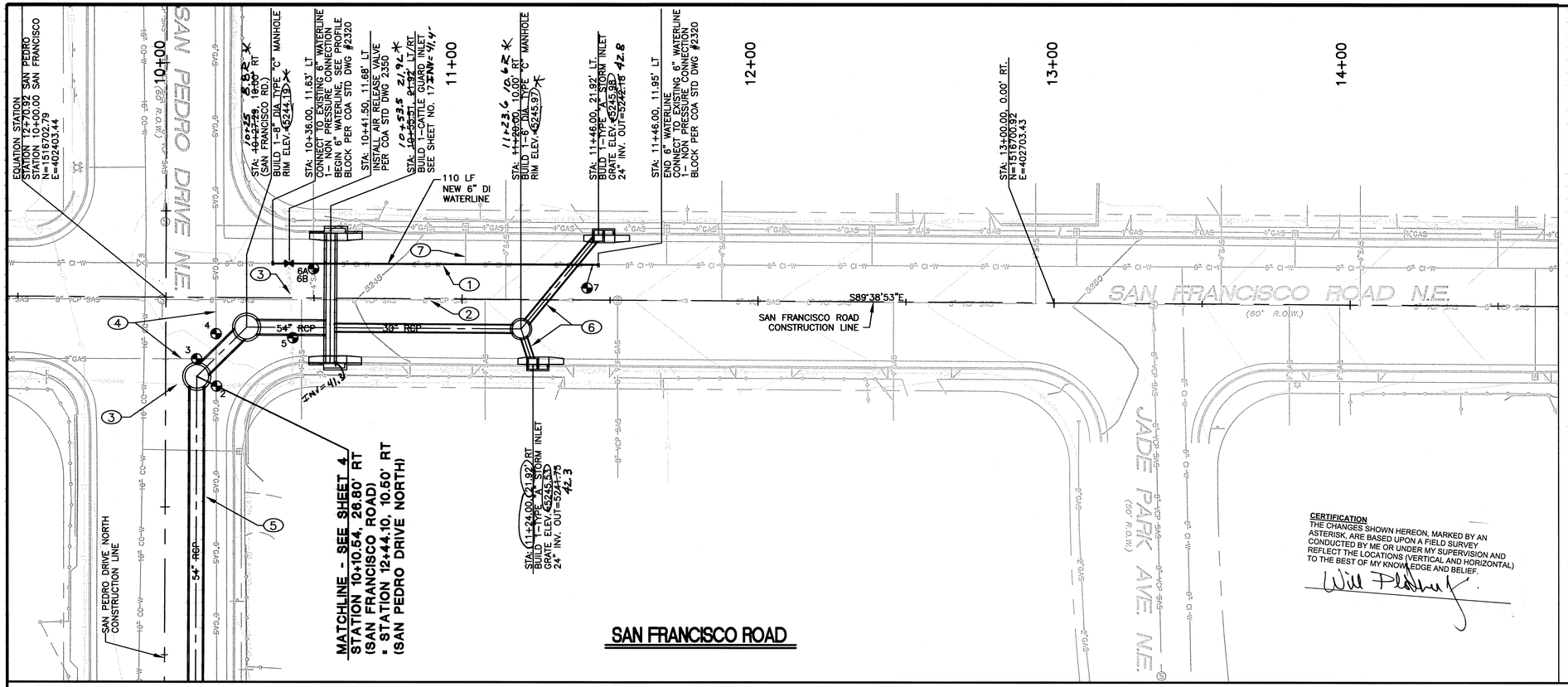
CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
STORM DRAIN DESIGN DIVISION

TITLE: SAN PEDRO COLLECTORS TO THE NORTH PINO ARROYO
UTILITY PLAN AND PROFILE: SAN PEDRO DRIVE
NORTH OF N. PINO ARROYO STA 10+21.91 TO STA 12+44.10

Design Review Committee: APPROVED OCT 20 2004 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED OCT 20 2004 CITY ENGINEER
Last Design Update: No. / Day / Yr. | No. / Day / Yr.

City Project No. 716802 | Zone Map No. D-18 | Sheet 4 | Of 24

RECORD DRAWINGS



KEYED NOTES:

1. EXISTING 6" WATERLINE TO BE LOWERED. REMOVE AND DISPOSE OF EXISTING WATERLINE AND REPLACE WITH NEW 6" DI WATERLINE, FULLY RESTRAIN NEW 6" DI WATERLINE.
2. CONTRACTOR TO PROTECT EXISTING 8" VCP SAS.
3. CONTRACTOR SHALL SUPPORT EXISTING COMCAST CABLE LINE DURING CONSTRUCTION. CONTRACTOR SHALL LAY EXISTING COMCAST CABLE LINE ON TOP OF NEW 54" RCP PRIOR TO BACKFILLING.
4. UNDERGROUND EXISTING GAS LINES TO BE RELOCATED BY PNM PRIOR TO CONSTRUCTION. CONTRACTOR SHALL CALL PNM TO DETERMINE FINAL RELOCATION.
5. CONTRACTOR TO INSTALL 4" PERFORATED PIPE, FILTER FABRIC, AND 1" TO 1½" ROUND ROCK, SEE DETAIL SHEET 15.
6. 24" RCP LATERALS, SEE PROFILE THIS SHEET.
7. CONTRACTOR TO REMOVE AND DISPOSE EXISTING 3/4" WATER SERVICE. REINSTALL NEW 3/4" SERVICE LINE PER COA STANDARD DRAWING 2363. CONTRACTOR TO UTILIZE EXISTING WATER METER.

GENERAL NOTES:

1. ALL WATERLINE FITTINGS INSTALLED THAT CONNECT TO EXISTING WATERLINES SHALL UTILIZE PORTLAND CEMENT CONCRETE BLOCKING PER COA STD. DWG. 2320.
2. IF TRASH IS ENCOUNTERED DURING THE INSTALLATION OF THE PROPOSED STORM DRAIN FACILITIES OR WATER LINE FACILITIES THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL TRASH WITHIN THE TRENCH PRISM / AREA. ALL TRASH MUST BE DISPOSED OF AT A LANDFILL REGISTERED / LICENSED WITH THE STATE OF NEW MEXICO.
3. IF TRASH IS ENCOUNTERED, CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL TRASH LOCATED UNDER ANY PROPOSED PIPING (STORM DRAIN OR WATERLINE) TO A DEPTH OF FIVE (5) FEET (BELOW THE BOTTOM OF THE PROPOSED PIPE). CONTRACTOR SHALL REPLACE THE VOIDED AREA LEFT FROM THE TRASH REMOVAL WITH SUITABLE MATERIAL. THE SUITABLE MATERIAL SHALL BE COMPACTED IN EIGHT (8) INCH LIFTS TO 90% PER ASTM D-1557. PLACEMENT AND COMPACTION OF THE SUITABLE MATERIAL UNDER THE PROPOSED PIPES SHALL BE CONSIDERED INCIDENTAL TO TRASH REMOVAL AND DISPOSAL AND NO SEPARATE OR ADDITIONAL PAYMENT WILL BE MADE. IF TRASH IS FOUND TO EXIST DEEPER THAN THE FIVE (5) FEET MENTIONED ABOVE, THE CONTRACTOR SHALL COORDINATE WITH VINYARD & ASSOCIATES (505-797-9743) TO INSTALL MONITORING WELLS.

CERTIFICATION
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Will Plotner

AS BUILT INFORMATION
CONTRACTOR Sean Barnes

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES

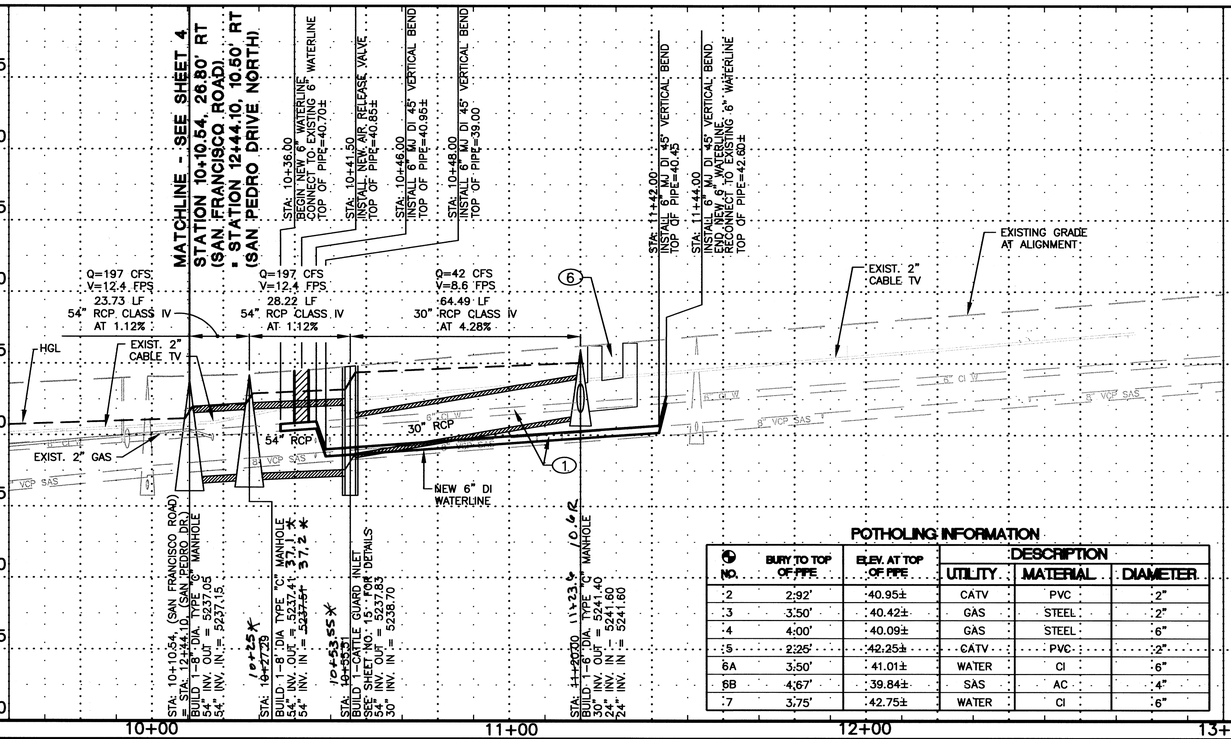
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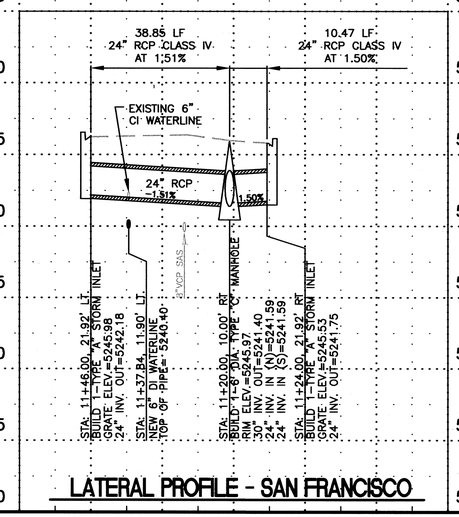
NMSHC BRASS TABLET STAMPED "I25-14, 1969" LOCATED AT THE NMDOT DISTRICT 3 OFFICES DRIVEWAY ON THE I-25 EAST FRONTAGE ROAD
X= 399,828.26 Y= 1,514,860.92
G-C= 0.99966298
Δ X= 0°11'35"
(NAD 1927/SLD 1929)
ELEVATION= 5196.73

WORK STAKED BY Cartesian Surveys Inc. DATE 2/14
INSPECTORS ASSISTANCE BY See DATE 2/14
VERIFICATION BY Cartesian Surveys Inc DATE 4/14
CORRECTED BY See DATE 4/14
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEERS SEAL
NEW MEXICO
11771
REGISTERED PROFESSIONAL ENGINEER
10-18-04

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY DLA	DATE 06/04
		DRAWN BY KSH	DATE 06/04
		CHECKED BY DLA	DATE 06/04





LATERAL PROFILE - SAN FRANCISCO

POTHOLING INFORMATION

NO.	BURY TO TOP OF PIPE	ELEV. AT TOP OF PIPE	DESCRIPTION		
			UTILITY	MATERIAL	DIAMETER
2	2.92'	40.95±	CATV	PVC	2"
3	3.50'	40.42±	GAS	STEEL	2"
4	4.00'	40.09±	GAS	STEEL	6"
5	2.25'	42.25±	CATV	PVC	2"
6A	3.50'	41.01±	WATER	CI	6"
6B	4.67'	39.84±	SAS	AC	4"
7	3.75'	42.75±	WATER	CI	6"

SCALE: 1" = 5'

SCALE: 1" = 20'

104110
Smith Engineering Company
A Full Service Engineering Company
6400 Uptown Boulevard, N.E. Suite 500E Albuquerque, New Mexico 87110

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
STORM DRAIN DESIGN DIVISION

TITLE: SAN PEDRO COLLECTORS TO THE NORTH PINO ARROYO
UTILITY PLAN AND PROFILE: SAN FRANCISCO ROAD
STA 10+10.54 TO STA 11+50.00

Design Review Committee: APPROVED OCT 20 2004 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED OCT 20 2004 CITY ENGINEER
Last Design Update

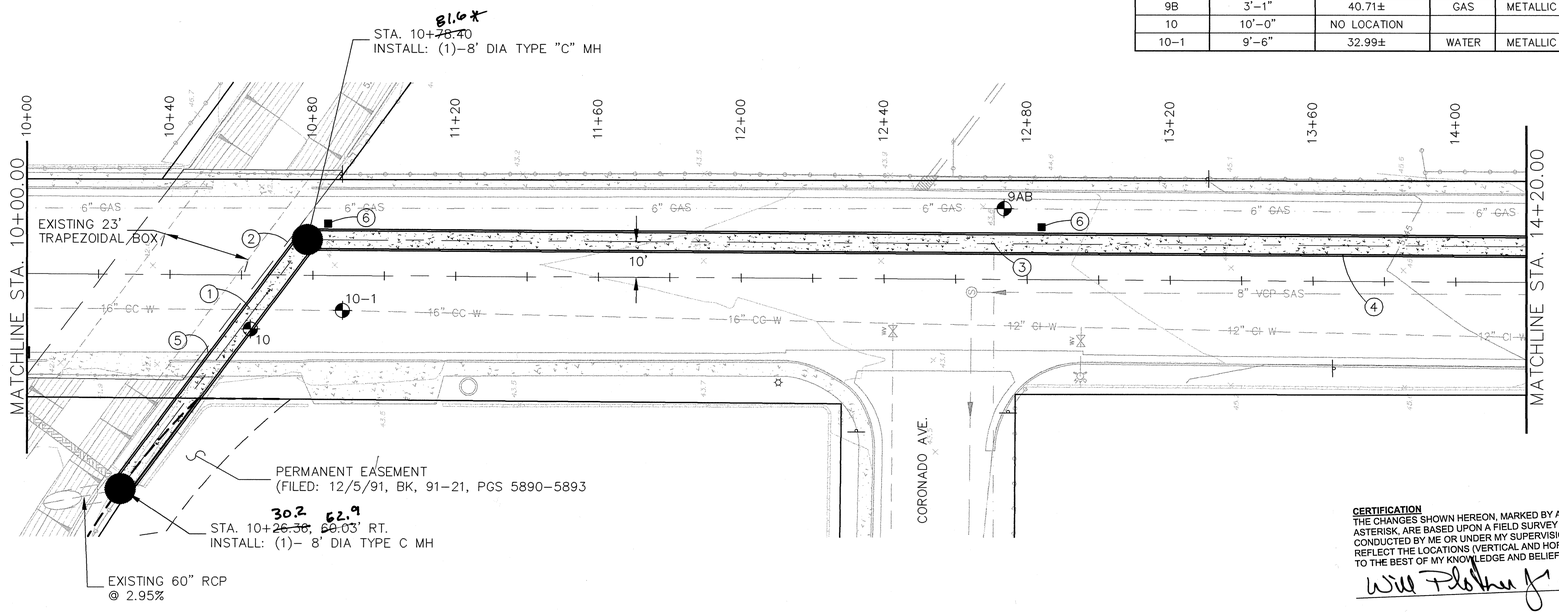
No. / Day / Yr.	No. / Day / Yr.

City Project No.	Zone Map No.	Sheet	Of
716802	D-18	5	24

RECORD DRAWINGS

POT-HOLE INFORMATION

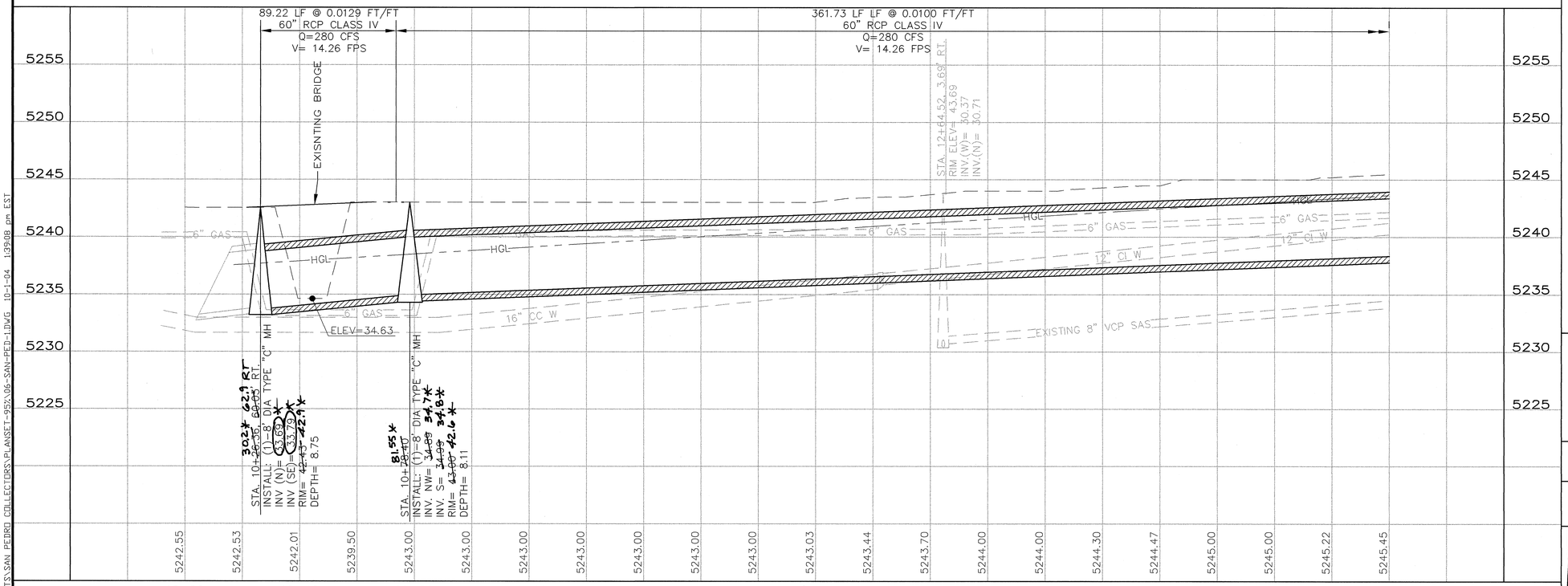
NO.	BURY TO TOP OF PIPE	ELEV. AT TOP OF PIPE	DESCRIPTION		
			UTILITY	MATERIAL	DIAMETER
9A	2'-10"	40.96±	GAS	METALLIC	2"
9B	3'-1"	40.71±	GAS	METALLIC	6"
10	10'-0"	NO LOCATION			
10-1	9'-6"	32.99±	WATER	METALLIC	16"



SAN PEDRO DRIVE
STA. 10+26.36 TO STA. 14+20.00

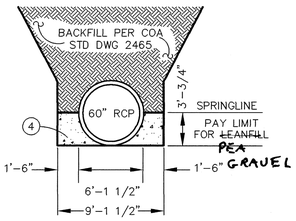
CERTIFICATION
THE CHANGES SHOWN HEREON, MARKED BY AN ASTERISK, ARE BASED UPON A FIELD SURVEY CONDUCTED BY ME OR UNDER MY SUPERVISION AND REFLECT THE LOCATIONS (VERTICAL AND HORIZONTAL) TO THE BEST OF MY KNOWLEDGE AND BELIEF.

SCALE:
HOR.: 1"=20'
VER.: 1"=5'



KEYED NOTES

1. CONTRACTOR TO PROTECT EXISTING 16" C.C. WL
2. CONTRACTOR TO PROTECT EXISTING CONCETE CHANNEL AND CONCRETE TRAPEZOIDAL BOX
3. EXISITNG 2" GAS LINE TO BE REMOVED AND RELOCATED BY PNM
4. CONTRACTOR TO PLACE LEAN FILL TO SPRING LINE OF 60" RCP
5. SEE SHEET 16 FOR PROFILE OF 60" RCP AT CENTERLINE OF PIPE
6. MONITORING WELL TO BE INSTALLED BY VINYARD & ASSOCIATES AFTER PLACEMENT OF PAVEMENT AND BEFORE REMOVAL OF TRAFFIC CONTROL.



60" RCP INSTALLATION
PAY LIMIT FOR ~~LEAN FILL~~ PEA GRAVEL PER LINEAL FOOT OF 60" RCP PLACED= 0.49 CY/LF

NOTES

1. ALL 8' DIA TYPE "C" MANHOLES SHALL BE INSTALLED PER COA STD DWG 2101
2. ALL TYPE "A" STORM INLETS SHALL BE INSTALLED PER COA STD DWG 2201
3. ALL DOUBLE TYPE "C" STORM INLETS SHALL BE INSTALLED PER COA STD DWG 2205

Thompson Engineering Consultants, Inc.
tecnm@yahoo.com
4800 JUAN TABO NE, SUITE C PHONE: (505) 271-2199
ALBUQUERQUE, NEW MEXICO 87111 FAX: (505) 237-8422

SURVEY INFORMATION
FIELD NOTES BY DATE
NO.

BENCH MARKS
NMSHC BRASS TABLET STAMPED "25-14, 1969"
LOCATED AT THE NMDOT DISTRICT
3 OFFICES DRIVEWAY ON THE I-25
EAST FRONTAGE ROAD
X= 399,828.26 Y= 1,514,860.92
G-C= 0.99966298
ΔX= 0°11'35"
(NAD 1927/SLD 1929)
ELEVATION= 5196.73

AS BUILT INFORMATION
CONTRACTOR Sun Bowers DATE 7/14/05
WORK STAKED BY Cartesian Surveys Inc. DATE 7/14/05
INSPECTOR'S ACCEPTANCE BY SEE DATE 7/14/05
FIELD VERIFICATION BY Cartesian Surveys Inc. DATE 7/14/05
DRAWINGS REVISED BY SEE DATE 7/14/05
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEERS SEAL
NEW MEXICO 8677 REGISTERED PROFESSIONAL ENGINEER
10-1-04

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
DESIGNED BY		DBT	DATE 10/1/04
DRAWN BY		DEM	DATE 10/1/04
CHECKED BY		DBT	DATE 10/1/04

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
STORM DRAIN DESIGN DIVISION

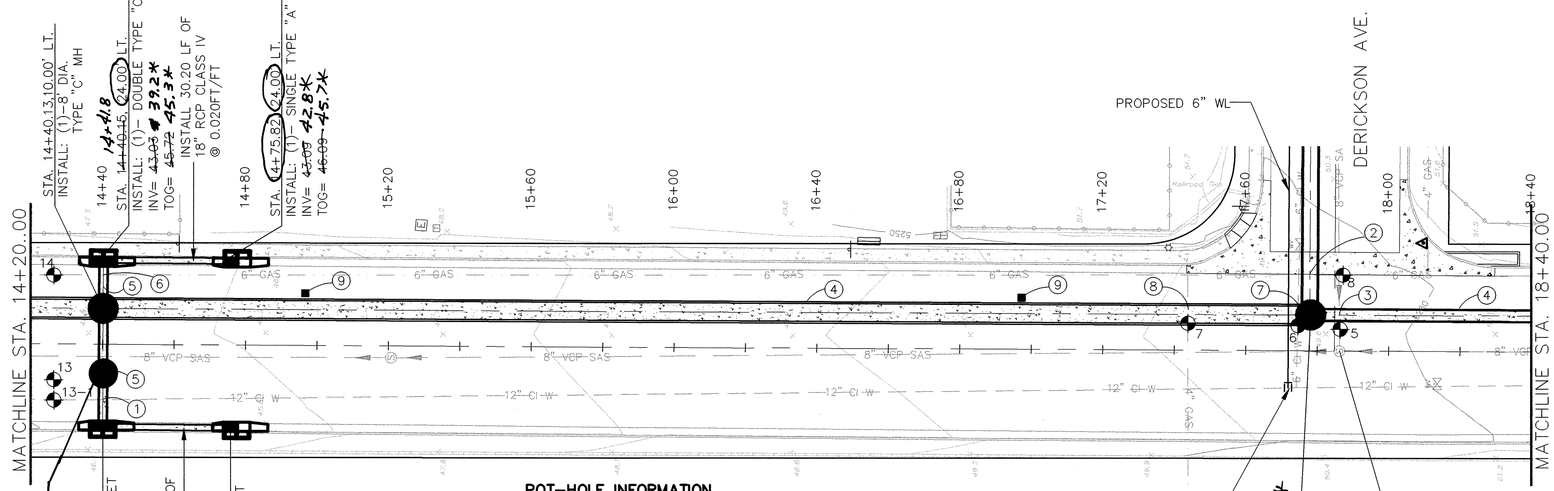
SAN PEDRO COLLECTORS TO THE NORTH PINO ARROYO
SAN PEDRO BOULEVARD - STA. B.O.P. TO STA. 14+20.00

Design Review Committee: APPROVED OCT 20 2004 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED OCT 20 2004 CITY ENGINEER
Last Design Update: No. / Day / Yr.

City Project No. 716802 | Zone Map No. D-18 | Sheet No. | Drawing No. 6 of 24

Z:\PROJECTS\SAN PEDRO COLLECTORS\PLANSET-95X\06-SAN-PED-1.DWG 10-1-04 13908 pm EST

RECORD DRAWINGS



POT–HOLE INFORMATION

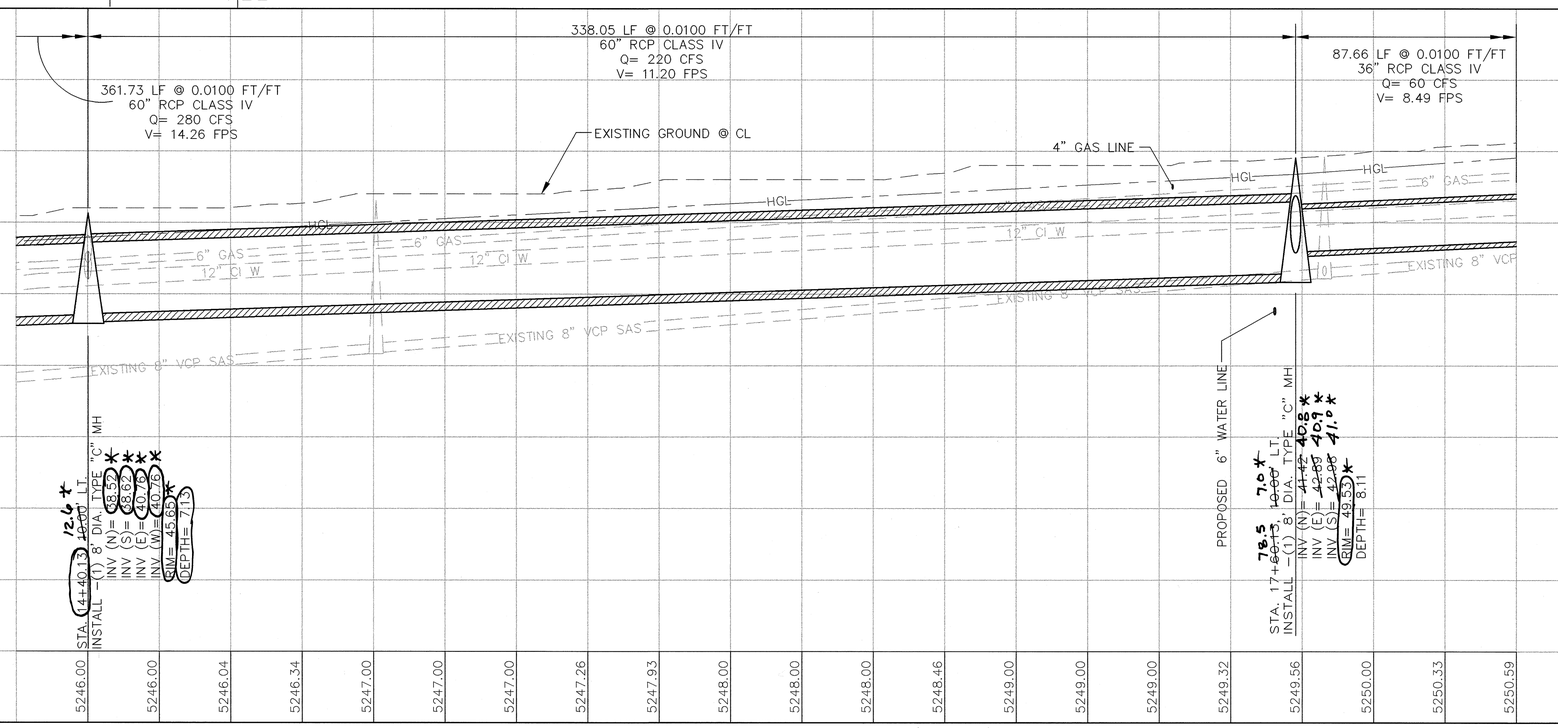
NO.	BURY TO TOP OF PIPE	ELEV. TO TOP OF PIPE	DESCRIPTION		
			UTILITY	MATERIAL	DIAMETER
5	7'–5 1/2"	42.27±	SAS	VCP	8"
6	3'–2"	46.34±	WATER	METALLIC	8"
7	3'–5"	15.78±	GAS	METALLIC	4'
8	2'–0"	47.70±	GAS	METALLIC	6"
13	10'–0"	NO LOCATE			
13–1	3'–10"	41.39±	WATER	METALLIC	12'
14	3'–3"	42.23±	GAS	METALLIC	6"

SAN PEDRO DRIVE
STA. 14+20.00 TO STA. 18+40.00

CERTIFICATION
THE CHANGES SHOWN HEREON, MARKED BY AN ASTERISK, ARE BASED UPON A FIELD SURVEY CONDUCTED BY ME OR UNDER MY SUPERVISION AND REFLECT THE LOCATIONS (VERTICAL AND HORIZONTAL) TO THE BEST OF MY KNOWLEDGE AND BELIEF.

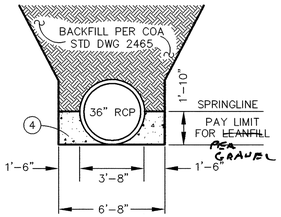
Will Thompson Jr.

SCALE:
HOR.: 1"=20'
VER.: 1"=5'

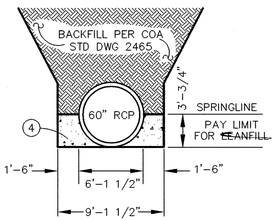


KEYED NOTES

1. CONTRACTOR TO PROTECT EXISITNG 12" WATER LINE
2. EXISTING 6" GAS LINE TO BE REMOVED AND RELOCATED BY PNM
3. CONTRACTOR TO PROTECT EXISITNG 8" VCP SAS LINE.
4. CONTRACTOR TO PLACE LEAN FILL TO SPRING LINE OF 60" RCP & 36" RCP
5. SEE SHEET 16 FOR CONNECTOR PIPE PROFILES
6. CONTRACTOR TO PROTECT EXISTING 6" GAS LINE DURING CONSTRUCTION OF STORM INLETS AND CONNECTOR PIPES.
7. REMOVE AND RELOCATE EXISITNG 6" CI WATER LINE. INSTALL AIR RELEASE VALVE PER COA STD DWG 2350
8. EXISTING 4" GAS LINE TO BE REMOVED AND RELOCATED BY PNM.
9. MONITORING WELL TO BE INSTALLED BY VINYARD & ASSOCIATES AFTER PLACEMENT OF PAVEMENT AND BEFORE REMOVAL OF TRAFFIC CONTROL.



36" RCP INSTALLATION
PAY LIMIT FOR ~~LEAN FILL PER~~ PEA GRAVEL
LINEAL FOOT OF 36" RCP PLACED= 0.26 CY/LF



60" RCP INSTALLATION
PAY LIMIT FOR ~~LEAN FILL PER~~ PEA GRAVEL
1. LINEAL FOOT OF 60" RCP PLACED= 0.49 CY/LF

2. **NOTES**

3. ALL 8' DIA TYPE "C" MANHOLES SHALL BE INSTALLED PER COA STD DWG 2101

ALL TYPE "A" STORM INLETS SHALL BE INSTALLED PER COA STD DWG 2201

ALL DOUBLE TYPE "C" STORM INLETS SHALL BE INSTALLED PER COA STD DWG 2205

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tecnm@yahoo.com
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ALBUQUERQUE, NEW MEXICO 87111 FAX: (505) 237-8422

SURVEY INFORMATION
FIELD NOTES BY DATE
NO.

BENCH MARKS
NMSHC BRASS TABLET STAMPED "125–14, 1969" LOCATED AT THE NMDOT DISTRICT 3 OFFICES DRIVEWAY ON THE I–25 EAST FRONTAGE ROAD
X= 399,828.26 Y= 1,514,860.92
G–C= 0.99966298
ΔX= 0°11'35"
(NAD 1927/SLD 1929)
ELEVATION= 5196.73

AS BUILT INFORMATION
CONTRACTOR Sass Brothers
WORK STAKED BY Cartesian Surveys Inc. DATE 2/9/04
INSPECTOR'S ACCEPTANCE BY Sec DATE 2/9/04
AS BUILT VERIFICATION BY Cartesian Surveys Inc DATE 2/9/04
DRAWING COMPLETED BY Sec DATE 2/9/04
MICRO–FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEERS SEAL
10/1/04

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
DESIGNED BY		DBT	10/1/04
DRAWN BY		DEM	10/1/04
CHECKED BY		DBT	10/1/04

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
STORM DRAIN DESIGN DIVISION

SAN PEDRO COLLECTORS TO THE NORTH PINO ARROYO
UTILITY PLAN AND PROFILE SAN PEDRO BLVD.
SOUTH OF NORTH PINO ARROYO – STA. 14+20.00 TO STA. 18+40.00

Design Review Committee: APPROVED DEC 20 2004 DESIGN REVIEW COMMITTEE
City Engineer, Approval: APPROVED DEC 30 2004 CITY ENGINEER
Last Design Update: No. / Day / Yr.

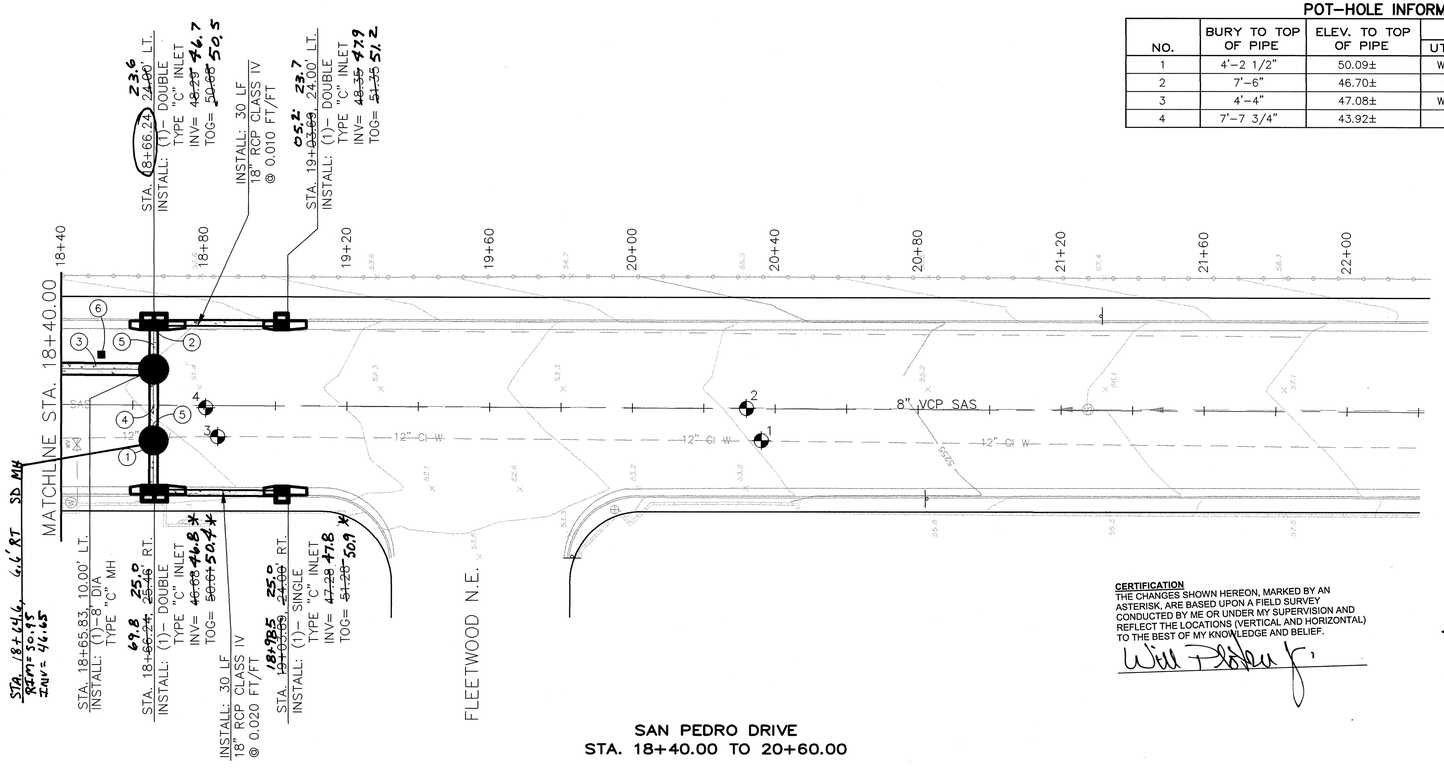
City Project No. 716802 | Zone Map No. D-18 | Sheet No. | Drawing No. 7 of 24

Z:\PROJECTS\SAN PEDRO COLLECTORS\PLANSET-95%\07-SAN-PED-2.DWG 10-1-04 14:27 pm EST

RECORD DRAWINGS

POT-HOLE INFORMATION

NO.	BURY TO TOP OF PIPE	ELEV. TO TOP OF PIPE	DESCRIPTION		
			UTILITY	MATERIAL	DIAMETER
1	4'-2 1/2"	50.09±	WATER	METALLIC	12"
2	7'-6"	46.70±	SAS	VCP	10"
3	4'-4"	47.08±	WATER	METALLIC	12"
4	7'-7 3/4"	43.92±	SAS	VCP	10"



SAN PEDRO DRIVE
STA. 18+40.00 TO 20+60.00

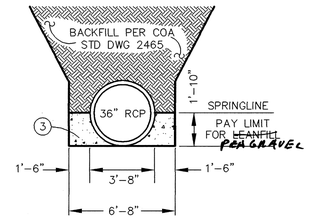
SCALE:
HOR.: 1"=20'
VER.: 1"=5'

CERTIFICATION
THE CHANGES SHOWN HEREON, MARKED BY AN ASTERISK, ARE BASED UPON A FIELD SURVEY CONDUCTED BY ME OR UNDER MY SUPERVISION AND REFLECT THE LOCATIONS (VERTICAL AND HORIZONTAL) TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Will Tolbert

KEYED NOTES

1. CONTRACTOR TO PROTECT EXISTING 12" WATER LINE
2. CONTRACTOR TO PROTECT EXISTING 6" GAS LINE
3. CONTRACTOR TO PLACE LEAN FILL TO SPRING LINE OF 36" RCP
4. CONTRACTOR TO PROTECT EXISTING 8" VCP SAS LINE
5. SEE SHEET 16 FOR CONNECTOR PIPE PROFILES
6. MONITORING WELL TO BE INSTALLED BY VINYARD & ASSOCIATES AFTER PLACEMENT OF PAVEMENT AND BEFORE REMOVAL OF TRAFFIC CONTROL.

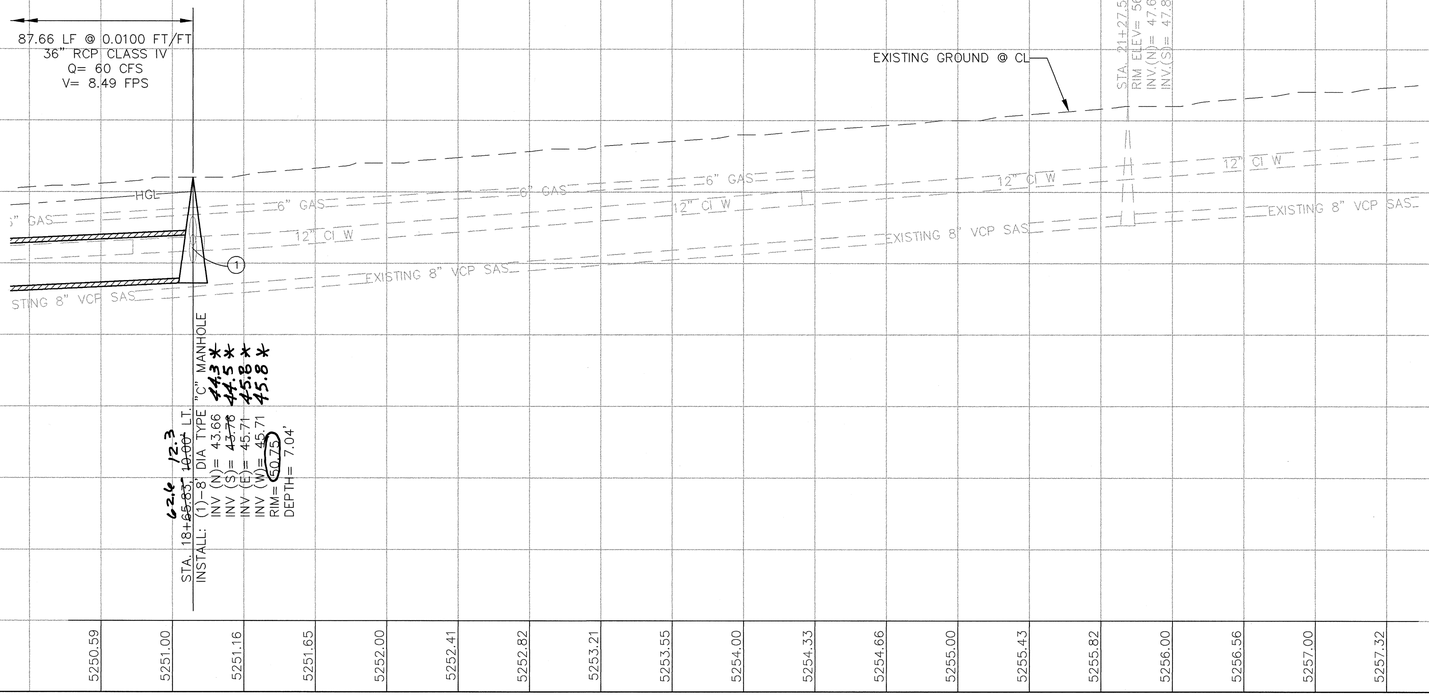


36" RCP INSTALLATION

NO GRAVEL
PAY LIMIT FOR ~~LEAN FILL~~ PER LINEAL FOOT OF 36" RCP PLACED= 0.26 CY/LF

NOTES

1. ALL 8' DIA TYPE "C" MANHOLES SHALL BE INSTALLED PER COA STD DWG 2101
2. ALL TYPE "A" STORM INLETS SHALL BE INSTALLED PER COA STD DWG 2201
3. ALL DOUBLE TYPE "C" STORM INLETS SHALL BE INSTALLED PER COA STD DWG 2205



AS BUILT INFORMATION
CONTRACTOR Sesi Brothers
WORK STAKED BY Cartesian Surveys Inc. DATE 9/6/04
INSPECTION BY SERO DATE 9/16/04
ACCEPTANCE BY DATE
VERIFICATION BY Cartesian Surveys Inc. DATE 9/20/04
DRAWINGS DIGITIZED BY SEC DATE 9/16/04
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
NMSHC BRASS TABLET STAMPED "125-14, 1969"
LOCATED AT THE NMDOT DISTRICT
3 OFFICES DRIVEWAY ON THE I-25
EAST FRONTAGE ROAD
X= 399,828.26 Y= 1,514,860.92
G-C= 0.99966298
ΔX= 011'35"
(NAD 1927/SLD 1929)
ELEVATION= 5196.73

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEERS SEAL
JAMES E. THOMPSON NEW MEXICO 9677 REGISTERED PROFESSIONAL ENGINEER
10-18-04

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
DESIGNED BY		DATE 10/1/04	DBT
DRAWN BY		DATE 10/1/04	DEM
CHECKED BY		DATE 10/1/04	DBT

Thompson Engineering Consultants, Inc.
tecnm@yahoo.com
4800 JUAN TABO NE, SUITE C PHONE: (505) 271-2199
ALBUQUERQUE, NEW MEXICO 87111 FAX: (505) 237-8422

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
STORM DRAIN DESIGN DIVISION

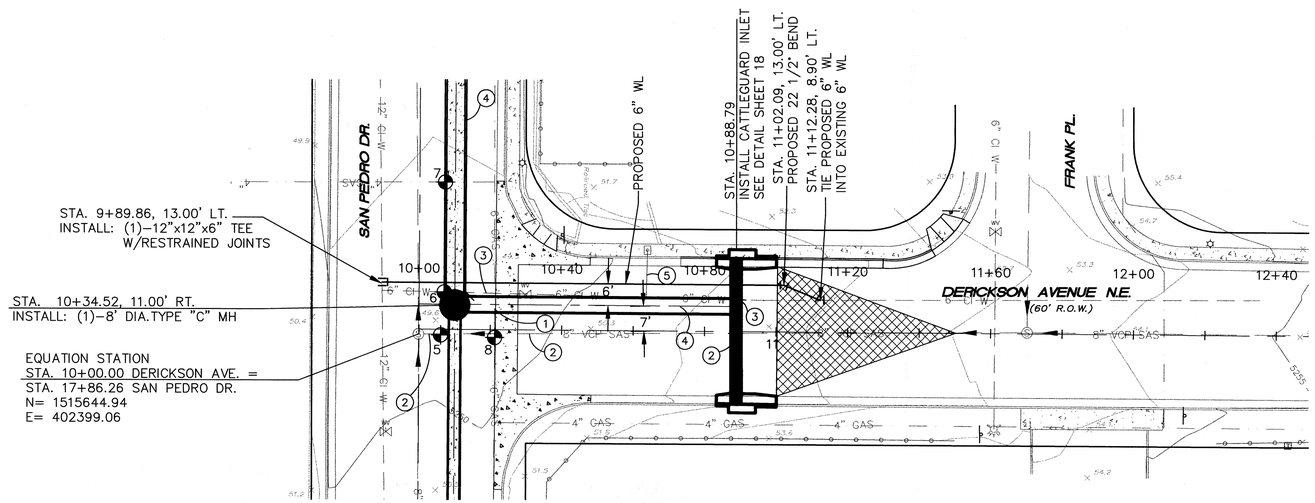
SAN PEDRO COLLECTORS TO THE NORTH PINO ARROYO
UTILITY PLAN AND PROFILE SAN PEDRO BLVD.
SOUTH OF NORTH PINO ARROYO - STA. 18+40.00 TO STA. E.O.P.

Hydrology Review Committee: APPROVED OCT 20 2004 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED OCT 20 2004 CITY ENGINEER
Last Design Update: No. / Day / Yr. / No. / Day / Yr.

City Project No. 716802 | Zone Map No. D-18 | Sheet No. | Drawing No. 8 of 24

Z:\PROJECTS\SAN PEDRO COLLECTORS\PLANSET-95X\08-SAN-PED-3.DWG 10-1-04 2:03:38 pm EST

RECORD DRAWINGS



KEYED NOTES

1. EXISTING 6" GAS LINE TO BE REMOVED AND RELOCATED BY PNM
2. CONTRACTOR TO PROTECT EXISTING 8" VCP SAS LINE
3. STA. STA. 9+89.86 TO STA. 11+12.28 REMOVE AND RELOCATE 6" C.I. WATERLINE INSTALL 6" GATE VALVE W/ VALVE BOX AND AIR RELEASE VALVE PER COA STD DWG 2350.
4. CONTRACTOR TO PLACE LEAN FILL TO SPRING LINE OF 48" RCP
5. REMOVE AND RELOCATE EXISTING 3/4" WATER SERVICE

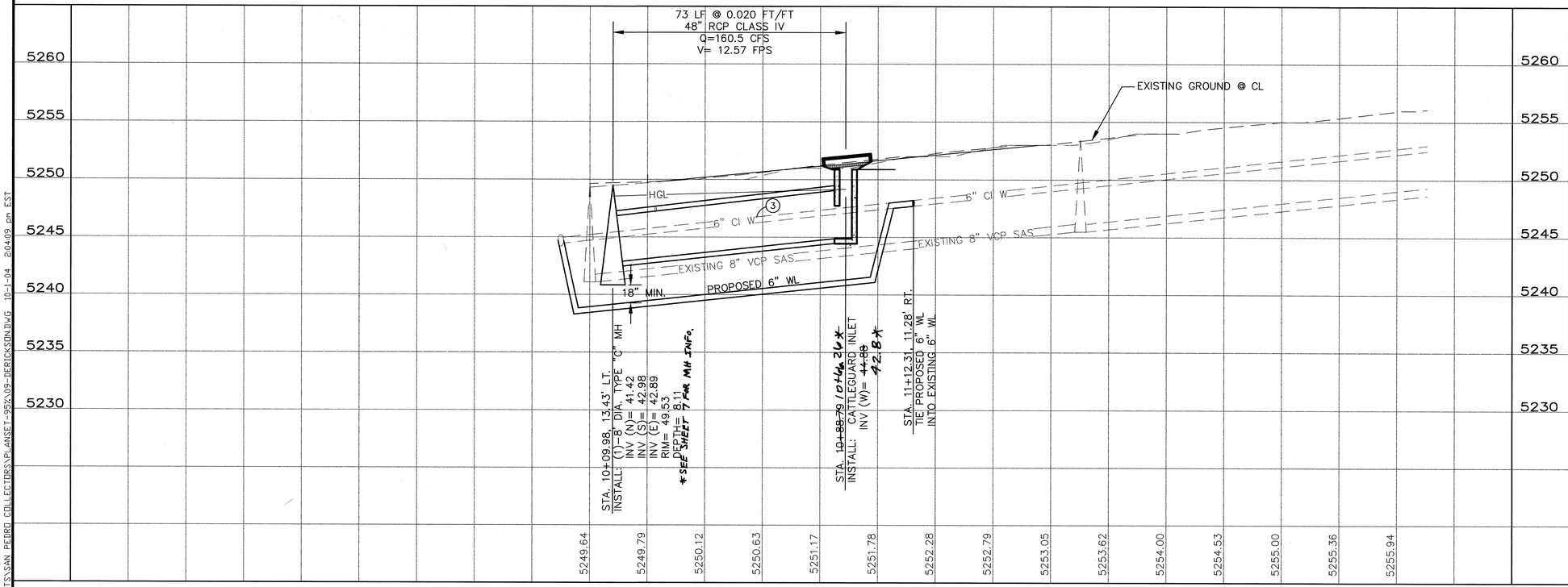
POT-HOLE INFORMATION

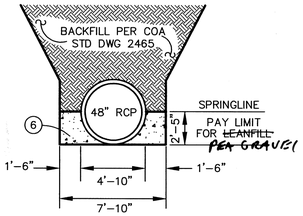
NO.	BURY TO TOP OF PIPE	ELEV. TO TOP OF PIPE	DESCRIPTION		
			UTILITY	MATERIAL	DIAMETER
5	7'-6"	42.27±	SAS	VCP	8"
6	3'-2"	46.34±	WATER	METALLIC	8"
7	3'-5"	15.78±	GAS	METALLIC	4"
8	2'-0"	47.70±	GAS	METALLIC	6"
11	7'-4"	44.44±	SAS	VCP	8"
12	3'-9"	47.79±	WATER	METALLIC	6"

CERTIFICATION
THE CHANGES SHOWN HEREON, MARKED BY AN ASTERISK, ARE BASED UPON A FIELD SURVEY CONDUCTED BY ME OR UNDER MY SUPERVISION AND REFLECT THE LOCATIONS (VERTICAL AND HORIZONTAL) TO THE BEST OF MY KNOWLEDGE AND BELIEF.

DERICKSON AVENUE

SCALE:
HOR.: 1"=20'
VER.: 1"=5'





48" RCP INSTALLATION
PEA GRAVEL
PAY LIMIT FOR ~~LEAN FILL~~ PER LINEAL FOOT OF 48" RCP PLACED = 0.36 CY/LF

NOTES

1. ALL 8' DIA TYPE "C" MANHOLES SHALL BE INSTALLED PER COA STD DWG 2101
2. ALL TYPE "A" STORM INLETS SHALL BE INSTALLED PER COA STD DWG 2201
3. ALL DOUBLE TYPE "C" STORM INLETS SHALL BE INSTALLED PER COA STD DWG 2205

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tecnm@yahoo.com
4800 JUAN TABO NE. SUITE C PHONE: (505) 271-2199
ALBUQUERQUE, NEW MEXICO 87111 FAX: (505) 237-8422

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS
NMSHC BRASS TABLET STAMPED "125-14, 1969"
LOCATED AT THE NMDOT DISTRICT
3 OFFICES DRIVEWAY ON THE I-25
EAST FRONTAGE ROAD
X= 399,828.26 Y= 1,514,860.92
G-C= 0.9996298
ΔX= 011'35"
(NAD 1927/SLD 1929)
ELEVATION= 5196.73

AS BUILT INFORMATION

CONTRACTOR	Sun Scapes DATE 9/30/05
WORK STAKED BY	Cartesian Surveys Inc. DATE 9/30/05
AS-BUILTS BY	DATE
ACCEPTANCE BY	Sec DATE 9/30/05
FIELD VERIFICATION BY	Cartesian Surveys Inc DATE 9/30/05
DRAWINGS CORRECTED BY	Sec DATE 9/30/05
MICRO-FILM INFORMATION	
RECORDED BY	DATE
NO.	

ENGINEERS SEAL
VICTOR M. THOMPSON 9877 REGISTERED PROFESSIONAL ENGINEER 10-1-04

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	DATE 10/1/04
		DESIGNED BY DBT	DATE 10/1/04
		DRAWN BY DEM	DATE 10/1/04
		CHECKED BY DBT	DATE 10/1/04

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
STORM DRAIN DESIGN DIVISION

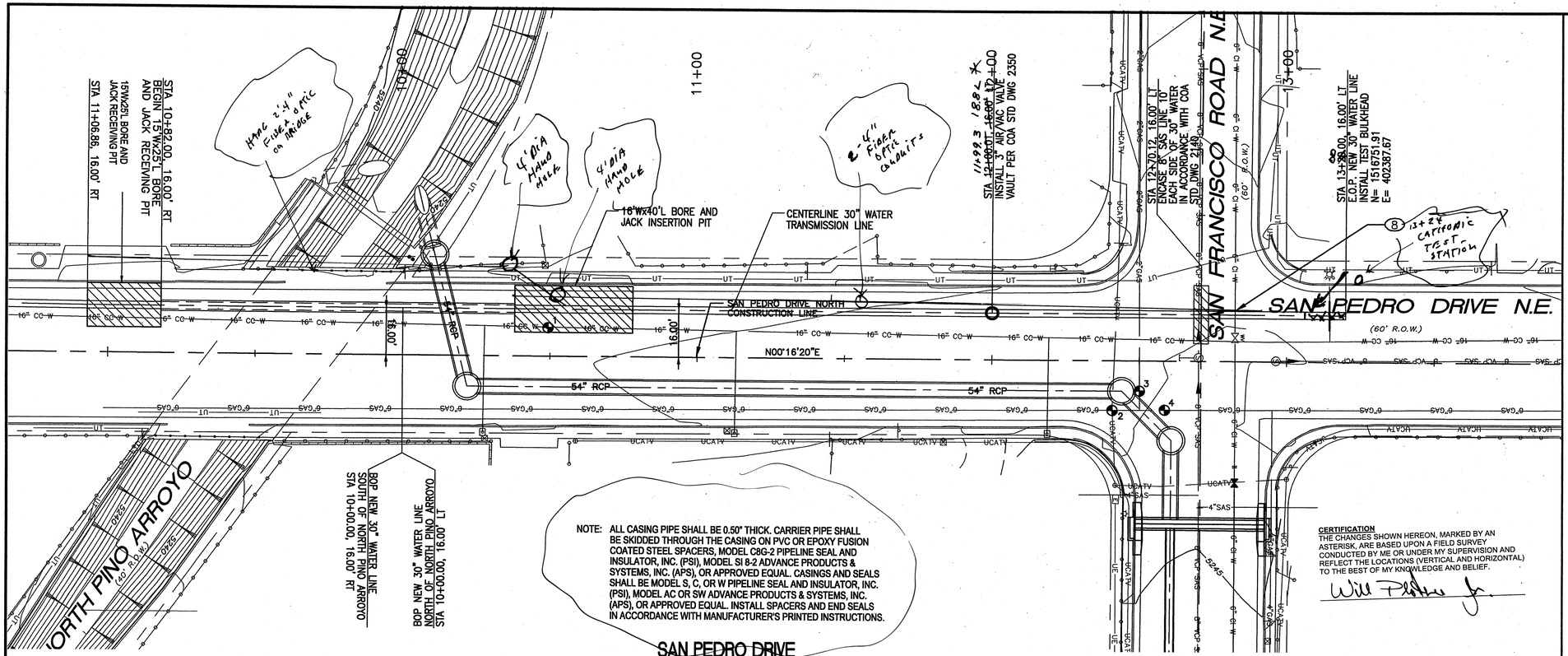
SAN PEDRO COLLECTORS TO THE NORTH PINO ARROYO
UTILITY PLAN AND PROFILE DERICKSON AVE.
SOUTH OF NORTH PINO ARROYO - STA. 10+00.00 TO STA. 12+80.00

Hydrology Committee: APPROVED OCT 20 2004 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED CITY ENGINEER
Last Design Update: No. / Day / Yr. / No. / Day / Yr.

City Project No. 716802 | Zone Map No. D-13 | Sheet No. | Drawing No. 9 of 24

Z:\PROJECTS\SAN PEDRO COLLECTORS\PLANSET-95\2\09-DERICKSON.DWG 10-1-04 20409 pm EST

RECORD DRAWINGS

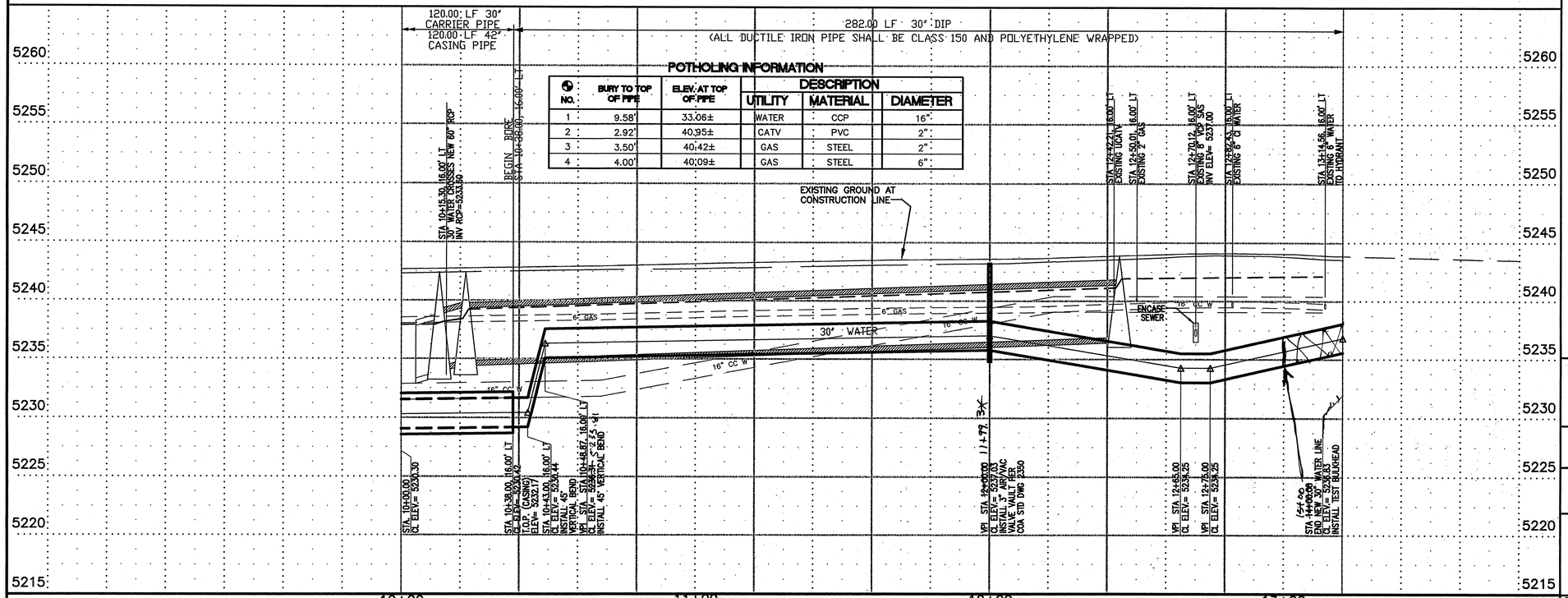


KEYED NOTES:

1. SEE SHEET 15 FOR PROFILE OF 54" RCP AT CENTERLINE OF PIPE. (STATION 10+09.98 TO 10+21.91)
2. CONTRACTOR TO PROTECT EXISTING 16" CC WATERLINE.
3. CONTRACTOR TO REMOVE AND DISPOSE EXISTING 3/4" WATER SERVICE. REINSTALL NEW 3/4" SERVICE LINE PER COA STANDARD DRAWING 2363. CONTRACTOR TO UTILIZE EXISTING WATER METER.
4. CONTRACTOR TO INSTALL 4" PERFORATED PIPE, FILTER FABRIC, AND 1" TO 1½" ROUND ROCK, SEE DETAIL SHEET 15.
5. CONTRACTOR SHALL SUPPORT EXISTING COMCAST CABLE LINE DURING CONSTRUCTION. CONTRACTOR SHALL LAY EXISTING COMCAST CABLE LINE ON TOP OF NEW 54" RCP PRIOR TO BACKFILLING.
6. CONTRACTOR TO INSTALL 4" DUCTILE IRON METHANE GAS VENT, SEE DETIAL SHEET 15.
7. CONTRACTOR SHALL SUPPORT EXISTING QWEST DIRECT BURIED LINE DURING CONSTRUCTION. CONTRACTOR SHALL LAY EXISTING QWEST LINE ON TOP OF NEW 54" RCP PRIOR TO BACKFILLING.
8. ADJUST EXISTING (8") WATER LINE ELEVATION AS REQUIRED TO PROVIDE 6 INCH OF CLEARANCE BETWEEN THE EXISTING WATERLINE AND THE NEW 30 INCH WATER LINE.

GENERAL NOTES:

1. ALL WATERLINE FITTINGS INSTALLED THAT CONNECT TO EXISTING WATERLINES SHALL UTILIZE PORTLAND CEMENT CONCRETE BLOCKING PER COA STD. DWG. 2320.
2. IF TRASH IS ENCOUNTERED DURING THE INSTALLATION OF THE PROPOSED STORM DRAIN FACILITIES OR WATER LINE FACILITIES THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL TRASH WITHIN THE TRENCH PRISM / AREA. ALL TRASH MUST BE DISPOSED OF AT A LANDFILL REGISTERED / LICENSED WITH THE STATE OF NEW MEXICO.
3. IF TRASH IS ENCOUNTERED, CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL TRASH LOCATED UNDER ANY PROPOSED PIPING (STORM DRAIN OR WATERLINE) TO A DEPTH OF FIVE (5) FEET (BELOW THE BOTTOM OF THE PROPOSED PIPE). CONTRACTOR SHALL REPLACE THE VOIDED AREA LEFT FROM THE TRASH REMOVAL WITH SUITABLE MATERIAL. THE SUITABLE MATERIAL SHALL BE COMPACTED IN EIGHT (8) INCH LIFTS TO 90% PER ASTM D-1557. PLACEMENT AND COMPACTION OF THE SUITABLE MATERIAL UNDER THE PROPOSED PIPES SHALL BE CONSIDERED INCIDENTAL TO TRASH REMOVAL AND DISPOSAL AND NO SEPARATE OR ADDITIONAL PAYMENT WILL BE MADE. IF TRASH IS FOUND TO EXIST DEEPER THAN THE FIVE (5) FEET MENTIONED ABOVE, THE CONTRACTOR SHALL COORDINATE WITH VINYARD & ASSOCIATES (505-797-9743) TO INSTALL MONITORING WELLS.



POTHOLING INFORMATION

NO.	BURY TO TOP OF PIPE	ELEV. AT TOP OF PIPE	DESCRIPTION		
			UTILITY	MATERIAL	DIAMETER
1	9.58'	33.06±	WATER	CCP	16"
2	2.92'	40.95±	CATV	PVC	2"
3	3.50'	40.42±	GAS	STEEL	2"
4	4.00'	40.09±	GAS	STEEL	6"

LENGTH OF RESTRAINED PIPE (FEET)			
PIPE SIZE	45°(2)	22-1/2°(2)	11-1/4°(2)
30"	36'	18'	9'

(1) TEE BRANCH-EACH RUN PIPE SHALL BE MINIMUM 10' W/O JOINTS.

(2) DISTANCE SHOWN IS EACH DIRECTION FOR VALVES AND BENDS.

(3) ALL DEAD END CAPS SHALL BE CONCRETE BLOCKED.

SCALE: 1" = 5'

SCALE: 1" = 20'

104110
Smith Engineering Company
A Full Service Engineering Company
6400 Uptown Boulevard, N.E. Suite 500E Albuquerque, New Mexico 87110

AS BUILT INFORMATION
CONTRACTOR San Borrego DATE 9/26/05

BENCH MARKS
NMSHC BRASS TABLET STAMPED "I-25-14, 1969" LOCATED AT THE NMDOT DISTRICT 3 OFFICES DRIVEWAY ON THE I-25 EAST FRONTAGE ROAD
X= 399,828.26 Y= 1,514,860.92
G-C= 0.99966298
Δ X= 0°11'35"
(NAD 1927/SLD 1929)
ELEVATION= 5196.73

SURVEY INFORMATION
FIELD NOTES BY Cartesian Surveys DATE 9/26/05
ACCEPTANCE BY See DATE 9/26/05
VERIFICATION BY Cartesian Surveys DATE 9/26/05
DRAWINGS BY SE DATE 9/26/05
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEERS SEAL
DAVID J. LARRAÑAGA
NEW MEXICO
NO. 9856
REGISTERED PROFESSIONAL ENGINEER
STATE OF
04.22.05

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	DATE 06/04
			DESIGNED BY DLA
			DRAWN BY KSH
			CHECKED BY DLA

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
STORM DRAIN DESIGN DIVISION

TITLE: SAN PEDRO COLLECTORS TO THE NORTH PINO ARROYO
30" WATER PLAN AND PROFILE: SAN PEDRO DRIVE
NORTH OF N. PINO ARROYO STA 10+21.91 TO STA 12+44.10

Design Review Committee	City Engineer Approval	Last Design Update	No. / Day / Yr.	No. / Day / Yr.

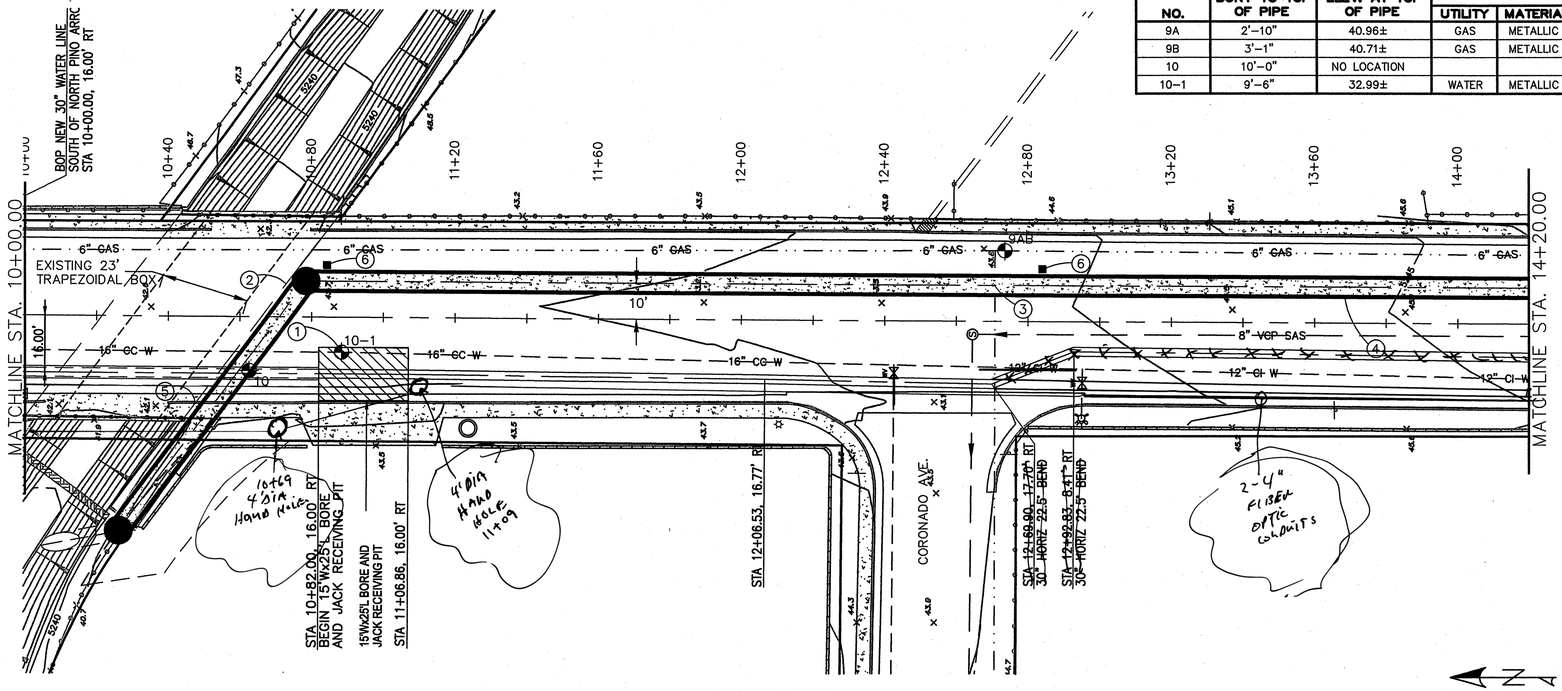
City Project No.	Zone Map No.	Sheet	Of
716802	D-18	9A	24

P:_TECHNOLOGY\COA\1463\CAD\Misc\SanPedroSD\ACAD\9A-SanPedroPPSheets.dwg, 4/22/2005 9:26:27 AM

RECORD DRAWINGS

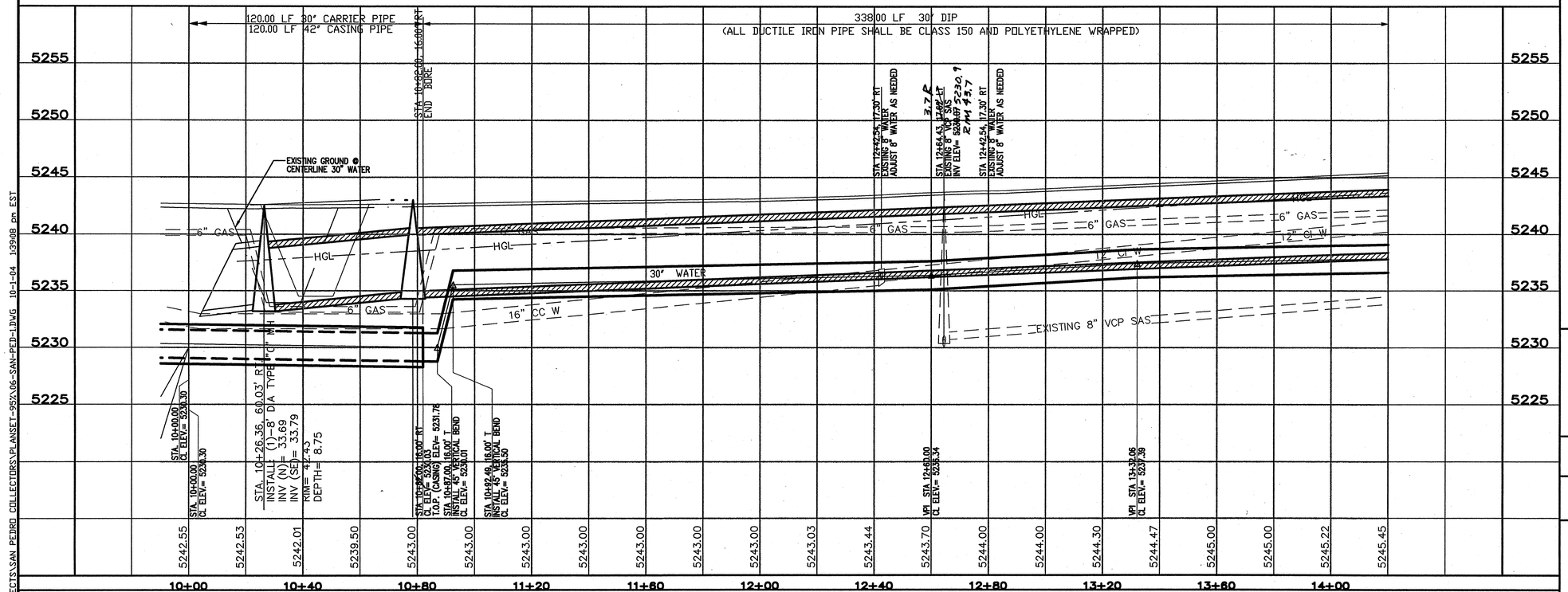
POT-HOLE INFORMATION

NO.	BURY TO TOP OF PIPE	ELEV. AT TOP OF PIPE	DESCRIPTION		
			UTILITY	MATERIAL	DIAMETER
9A	2'-10"	40.96±	GAS	METALLIC	2"
9B	3'-1"	40.71±	GAS	METALLIC	6"
10	10'-0"	NO LOCATION			
10-1	9'-6"	32.99±	WATER	METALLIC	16"



SAN PEDRO DRIVE
STA. 10+26.36 TO STA. 14+20.00

SCALE:
HOR.: 1"=20'
VER.: 1"=5'



KEYED NOTES

1. CONTRACTOR TO PROTECT EXISTING 16" C.C. WL
2. CONTRACTOR TO PROTECT EXISTING CONCETE CHANNEL AND CONCRETE TRAPEZOIDAL BOX
3. EXISITNG 2" GAS LINE TO BE REMOVED AND RELOCATED BY PNM
4. CONTRACTOR TO PLACE LEAN FILL TO SPRING LINE OF 60" RCP
5. SEE SHEET 16 FOR PROFILE OF 60" RCP AT CENTERLINE OF PIPE
6. MONITORING WELL TO BE INSTALLED BY VINYARD & ASSOCIATES AFTER PLACEMENT OF PAVEMENT AND BEFORE REMOVAL OF TRAFFIC CONTROL.

CERTIFICATION
THE CHANGES SHOWN HEREON, MARKED BY AN ASTERISK, ARE BASED UPON A FIELD SURVEY CONDUCTED BY ME OR UNDER MY SUPERVISION AND REFLECT THE LOCATIONS (VERTICAL AND HORIZONTAL) TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Will Plattner Jr.

NOTES

1. ALL 8' DIA TYPE "C" MANHOLES SHALL BE INSTALLED PER COA STD DWG 2101
2. PROVIDE JOINT RESTRAINTS AT THE FOLLOWING LOCATIONS:
   STA. 11+60 (NORTH) TO STA. 12+10 (SOUTH)
   STA. 12+50 (SOUTH) TO STA. 13+20 (SOUTH)
   STA. 15+00 (SOUTH) TO STA. 15+70 (SOUTH)
   STA. 22+68 (SOUTH) TO END OF PIPE (SOUTH)

AS BUILT INFORMATION
CONTRACTOR Sous Brothers DATE 9/2/04
WORK STAKED BY Cartesian Surveys Inc. DATE 9/2/04
INSPECTOR'S ACCEPTANCE BY Sec DATE 9/2/04
FIELD VERIFICATION BY Cartesian Surveys Inc DATE 9/2/04
DRAWINGS CORRECTED BY Sec DATE 9/2/04
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
NMSHC BRASS TABLET STAMPED "125-14, 1969"
LOCATED AT THE NMDOT DISTRICT 3 OFFICES DRIVEWAY ON THE I-25 EAST FRONTAGE ROAD
X= 399,828.26 Y= 1,514,860.92
C-C= 0.99966298
ΔX= 0°11'35"
(NAD 1927/SLD 1929)
ELEVATION= 5196.73

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEERS SEAL
REGISTERED PROFESSIONAL ENGINEER
STATE OF NEW MEXICO
No. 4886
DAVID J. LARROW
04.22.05

REVISIONS

NO.	DATE	REMARKS	BY
DESIGN		DESIGNED BY DBT	DATE 10/1/04
		DRAWN BY DEM	DATE 10/1/04
		CHECKED BY DBT	DATE 10/1/04

Thompson Engineering Consultants, Inc.
tecnm@yahoo.com
4800 JUAN TABO NE., SUITE C PHONE: (505) 271-2199
ALBUQUERQUE, NEW MEXICO 87111 FAX: (505) 237-8422

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
STORM DRAIN DESIGN DIVISION

SAN PEDRO COLLECTORS TO THE NORTH PINO ARROYO
SAN PEDRO BOULEVARD - STA. B.O.P. TO STA. 14+20.00

Design Review Committee	City Engineer Approval	Last Design Update	No. / Day / Yr.	No. / Day / Yr.

City Project No.	Zone Map No.	Sheet No.	Drawing No.
716802	D-18		9B of 24

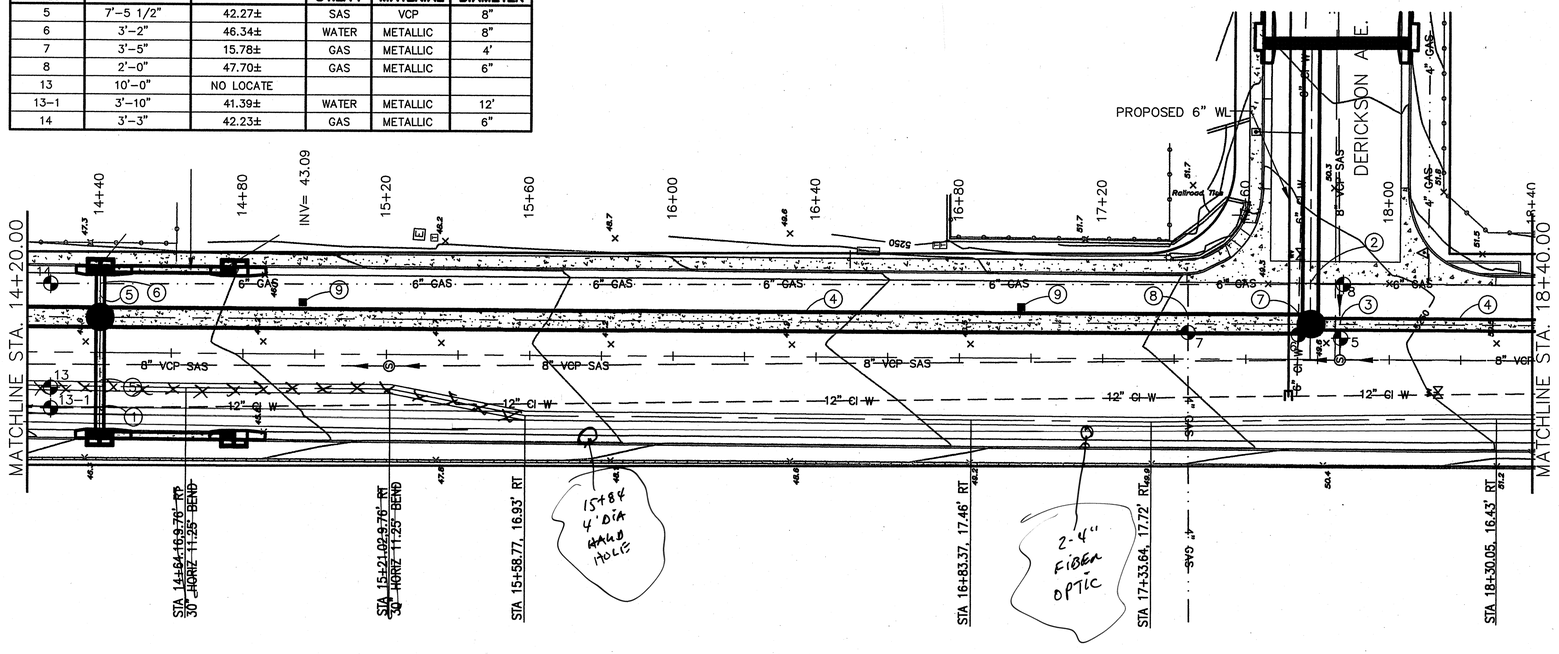
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RECORD DRAWINGS

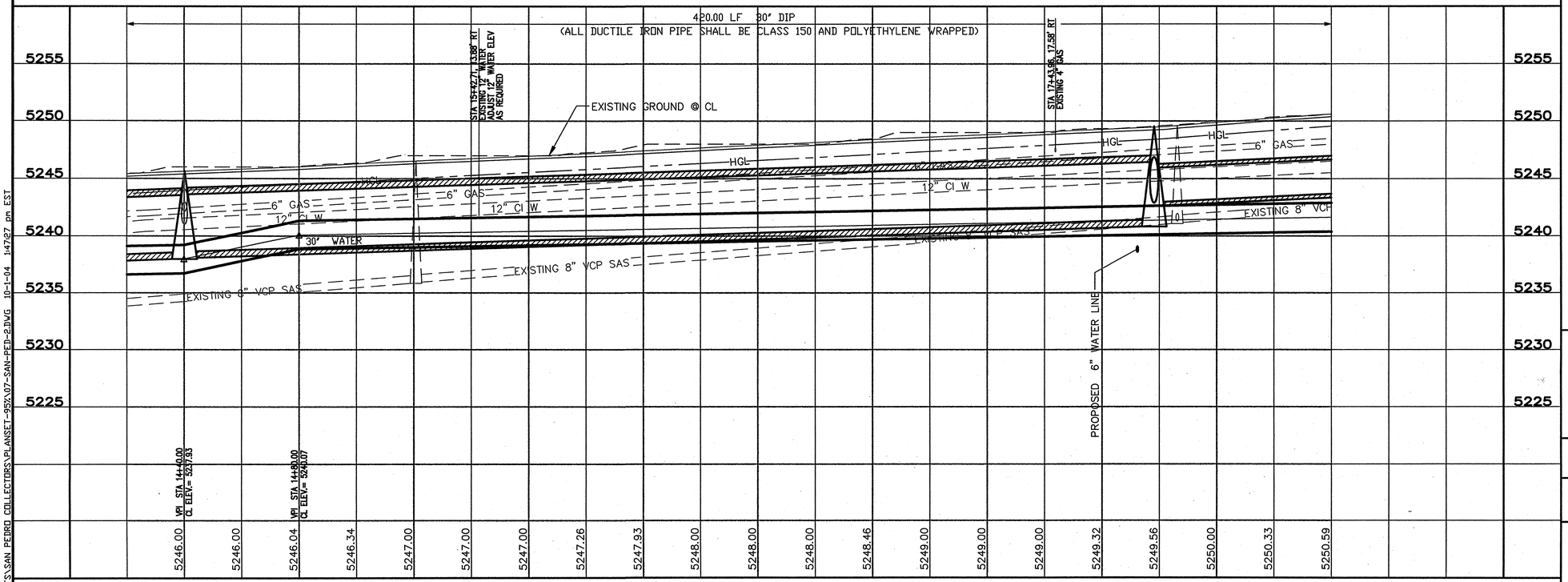
POT-HOLE INFORMATION

NO.	BURY TO TOP OF PIPE	ELEV. TO TOP OF PIPE	DESCRIPTION		
			UTILITY	MATERIAL	DIAMETER
5	7'-5 1/2"	42.27±	SAS	VCP	8"
6	3'-2"	46.34±	WATER	METALLIC	8"
7	3'-5"	15.78±	GAS	METALLIC	4'
8	2'-0"	47.70±	GAS	METALLIC	6"
13	10'-0"	NO LOCATE			
13-1	3'-10"	41.39±	WATER	METALLIC	12'
14	3'-3"	42.23±	GAS	METALLIC	6"



SAN PEDRO DRIVE
STA. 14+20.00 TO STA. 18+40.00

SCALE:
HOR.: 1"=20'
VER.: 1"=5'



KEYED NOTES

1. CONTRACTOR TO PROTECT EXISITNG 12" WATER LINE
2. EXISTING 6" GAS LINE TO BE REMOVED AND RELOCATED BY PNM
3. CONTRACTOR TO PROTECT EXISITNG 8" VCP SAS LINE.
4. CONTRACTOR TO PLACE LEAN FILL TO SPRING LINE OF 60" RCP & 36" RCP
5. SEE SHEET 16 FOR CONNECTOR PIPE PROFILES
6. CONTRACTOR TO PROTECT EXISTING 6" GAS LINE DURING CONSTRUCTION OF STORM INLETS AND CONNECTOR PIPES.
7. REMOVE AND RELOCATE EXISITNG 6" CI WATER LINE. INSTALL AIR RELEASE VALVE PER COA STD DWG 2350
8. EXISTING 4" GAS LINE TO BE REMOVED AND RELOCATED BY PNM.
9. MONITORING WELL TO BE INSTALLED BY VINYARD & ASSOCIATES AFTER PLACEMENT OF PAVEMENT AND BEFORE REMOVAL OF TRAFFIC CONTROL.

NOTES

1. ALL 8' DIA TYPE "C" MANHOLES SHALL BE INSTALLED PER COA STD DWG 2101
2. PROVIDE JOINT RESTRAINTS AT THE FOLLOWING LOCATIONS:
   STA. 11+60 (NORTH) TO STA. 12+10 (SOUTH)
   STA. 12+50 (SOUTH) TO STA. 13+20 (SOUTH)
   STA. 15+00 (SOUTH) TO STA. 15+70 (SOUTH)
   STA. 22+68 (SOUTH) TO END OF PIPE (SOUTH)

AS BUILT INFORMATION
CONTRACTOR Sais Brothers DATE 9/16/05
WORK STAKED BY Cartesian Surveys Inc. DATE 9/16/05
INSPECTORS ACCEPTANCE BY SEC DATE 9/16/05
FIELD VERIFICATION BY Cartesian Surveys INC DATE 9/16/05
DRAWINGS CORRECTED BY SEC DATE 9/16/05
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
NMSHC BRASS TABLET STAMPED "125-14, 1969"
LOCATED AT THE NMDOT DISTRICT 3 OFFICES DRIVEWAY ON THE I-25 EAST FRONTAGE ROAD
X= 399,828.26 Y= 1,514,860.92
G-C= 0.99966298
ΔX= 0°11'35"
(NAD 1927/SLD 1929)
ELEVATION= 5196.73

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEERS SEAL
REGISTERED PROFESSIONAL ENGINEER STATE OF NEW MEXICO 7886 DAVID J. LARROW
04.22.05

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	DBT 10/1/04
			DEM 10/1/04
			DBT 10/1/04

DESIGNED BY DBT
DRAWN BY DEM
CHECKED BY DBT

Thompson Engineering Consultants, Inc.
tecnm@yahoo.com
4600 JUAN TABO NE. SUITE C PHONE: (505) 271-2199
ALBUQUERQUE, NEW MEXICO 87111 FAX: (505) 237-8422

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
STORM DRAIN DESIGN DIVISION

SAN PEDRO COLLECTORS TO THE NORTH PINO ARROYO
30" WATER PLAN AND PROFILE SAN PEDRO BLVD.
SOUTH OF NORTH PINO ARROYO - STA. 14+20.00 TO STA. 18+40.00

Design Review Committee	City Engineer Approval	Last Design Update	No. / Dsy / Yr.	No. / Dsy / Yr.

City Project No.	Zone Map No.	Sheet No.	Drawing No.
716802	D-18		9C of 24

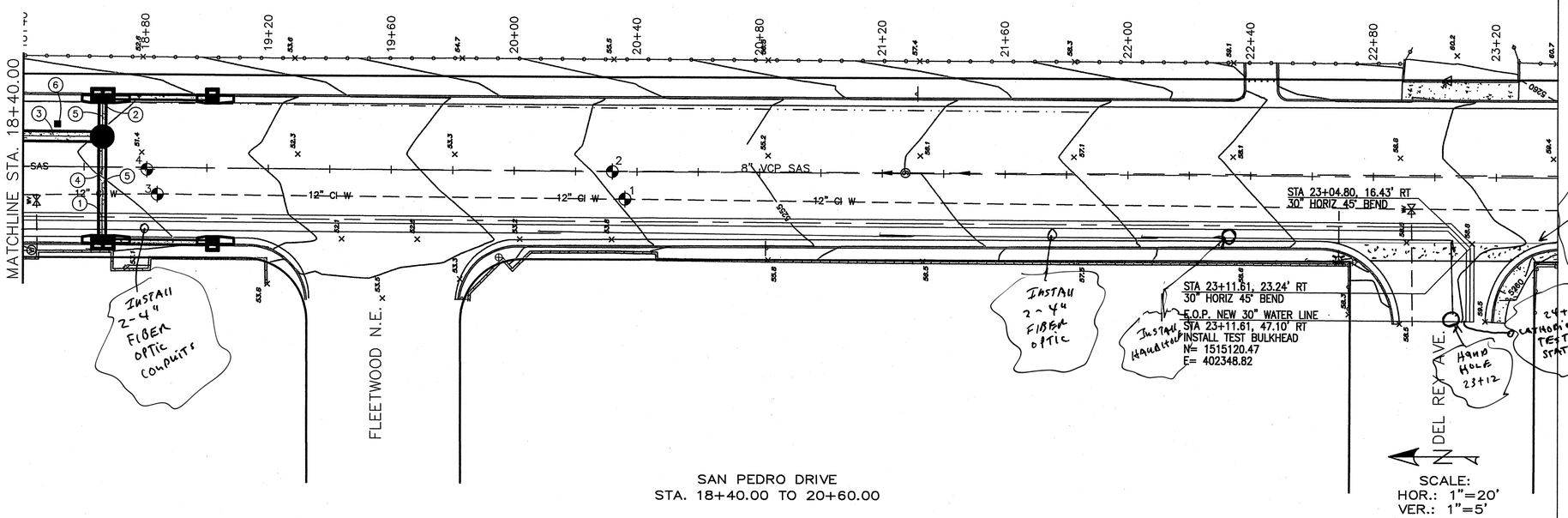
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RECORD DRAWINGS

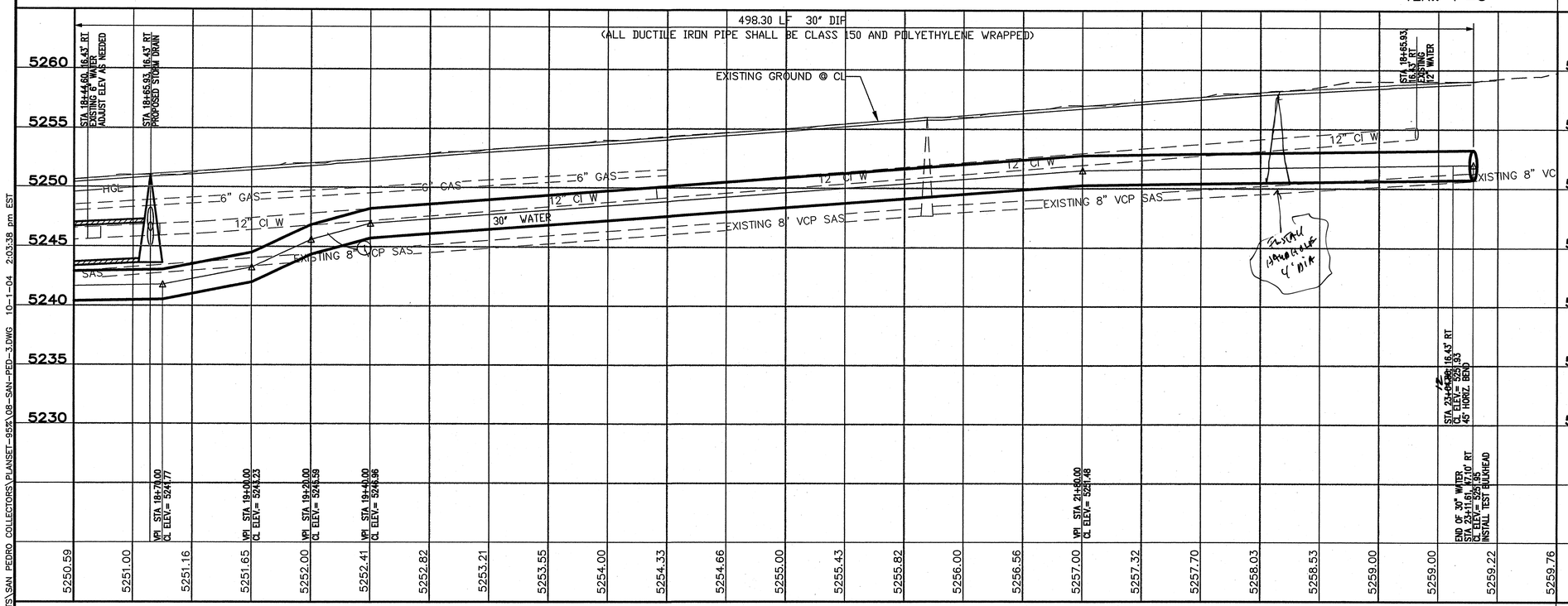
POT-HOLE INFORMATION

NO.	BURY TO TOP OF PIPE	ELEV. TO TOP OF PIPE	DESCRIPTION		
			UTILITY	MATERIAL	DIAMETER
1	4'-2 1/2"	50.09±	WATER	METALLIC	12"
2	7'-6"	46.70±	SAS	VCP	10"
3	4'-4"	47.08±	WATER	METALLIC	12"
4	7'-7 3/4"	43.92±	SAS	VCP	10"



SAN PEDRO DRIVE
STA. 18+40.00 TO 20+60.00

SCALE:
HOR.: 1"=20'
VER.: 1"=5'



KEYED NOTES

1. CONTRACTOR TO PROTECT EXISTING 12" WATER LINE
2. CONTRACTOR TO PROTECT EXISTING 6" GAS LINE
3. CONTRACTOR TO PLACE LEAN FILL TO SPRING LINE OF 36" RCP
4. CONTRACTOR TO PROTECT EXISTING 8" VCP SAS LINE
5. SEE SHEET 16 FOR CONNECTOR PIPE PROFILES
6. MONITORING WELL TO BE INSTALLED BY VINYARD & ASSOCIATES AFTER PLACEMENT OF PAVEMENT AND BEFORE REMOVAL OF TRAFFIC CONTROL.

NOTES

1. ALL 8' DIA TYPE "C" MANHOLES SHALL BE INSTALLED PER COA STD DWG 2101
2. PROVIDE JOINT RESTRAINTS AT THE FOLLOWING LOCATIONS:
   STA. 11+60 (NORTH) TO STA. 12+10 (SOUTH)
   STA. 12+50 (SOUTH) TO STA. 13+20 (SOUTH)
   STA. 15+00 (SOUTH) TO STA. 15+70 (SOUTH)
   STA. 22+68 (SOUTH) TO END OF PIPE (SOUTH)

AS BUILT INFORMATION
CONTRACTOR Sous Brothers DATE 9/24/04
WORK STAKED BY Cartesian Surveys Inc. DATE 9/24/04
AS BUILT WORKS ACCEPTANCE BY See DATE 9/24/04
AS BUILT VERIFICATION BY Cartesian Surveys Inc. DATE 9/24/04
DRAWINGS APPROVED BY See DATE 9/24/04
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
NMSHC BRASS TABLET STAMPED "125-14, 1969"
LOCATED AT THE NMDOT DISTRICT 3 OFFICES DRIVEWAY ON THE I-25 EAST FRONTAGE ROAD
X= 399,828.26 Y= 1,514,860.92
G-C= 0.99966298
ΔX= 011'35"
(NAD 1927/SLD 1929)
ELEVATION= 5196.73

SURVEY INFORMATION
FIELD NOTES

NO.	DATE	BY

ENGINEERS SEAL
REGISTERED PROFESSIONAL ENGINEER
STATE OF NEW MEXICO
No. 14806
DAVID J. LARSON
04.22.05

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY DBT	DATE 10/1/04
		DRAWN BY DEM	DATE 10/1/04
		CHECKED BY DBT	DATE 10/1/04

Thompson Engineering Consultants, Inc.
tecnm@yahoo.com
4800 JUAN TABO NE, SUITE C PHONE: (505) 271-2199
ALBUQUERQUE, NEW MEXICO 87111 FAX: (505) 237-8422

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
STORM DRAIN DESIGN DIVISION

SAN PEDRO COLLECTORS TO THE NORTH PINO ARROYO
30" WATER PLAN AND PROFILE SAN PEDRO DRIVE
SOUTH OF NORTH PINO ARROYO - STA. 18+40.00 TO STA. E.O.P.

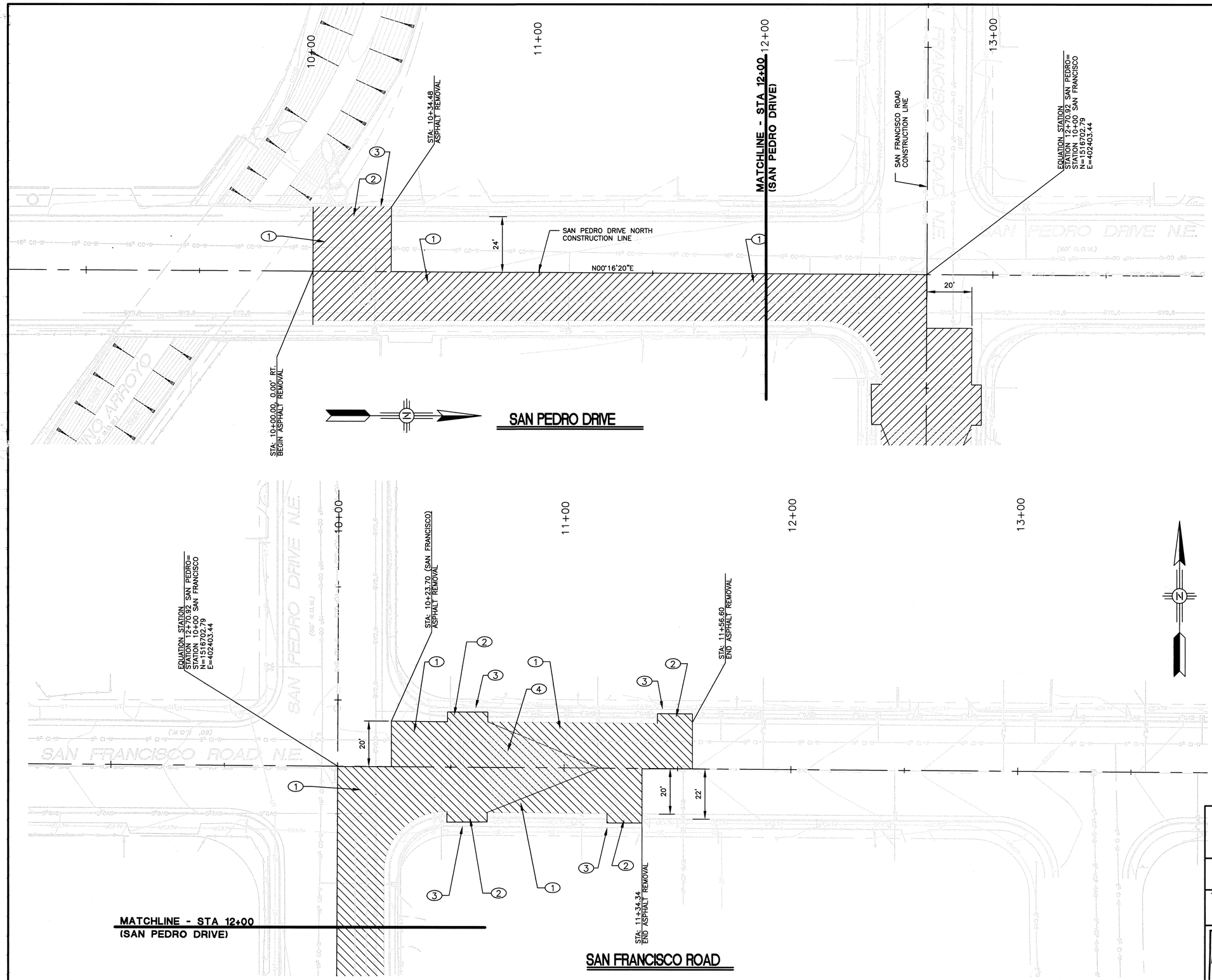
Design Review Committee	City Engineer Approval	Last Design Update	Mo. / Day / Yr.	Mo. / Day / Yr.

City Project No. 716802 | Zone Map No. D-18 | Sheet No. | Drawing No. 9D of 24

Z:\PROJECTS\SAN PEDRO COLLECTORS\PLANSET-95%\08-SAN-PED-3.DWG 10-1-04 2:03:38 pm EST

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RECORD DRAWINGS



○KEYED NOTES:

1. REMOVE, DISPOSE AND REPLACE ARTERIAL PAVEMENT. SEE PAVEMENT SECTION ON SHEET 13.
2. REMOVE, DISPOSE AND REPLACE STANDARD CURB AND GUTTER AS PER COA STD DWG# 2415A.
3. REMOVE, DISPOSE AND REPLACE 4" THICK SIDEWALK.
4. BUILD 50' CROWN TRANSITION (NO CROWN TO FULL CROWN) AS PER COA STD DWG# 2401.

GENERAL NOTES:

1. PAY LIMITS FOR PAVEMENT REMOVAL AND REPLACEMENT ARE SHOWN AS DIMENSIONED ON THIS SHEET.
2. CONTRACTOR SHALL REPLACE ALL STRIPING REMOVED DURING THE ASPHALT REMOVAL PROCESS.

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

BENCH MARKS

NMSHC BRASS TABLET STAMPED "125-14, 1969"
LOCATED AT THE NMDOT DISTRICT 3 OFFICES
DRIVEWAY ON THE I-25 EAST FRONTAGE ROAD
X= 399,828.26 Y= 1,514,860.92
G-C= 0.99966298
Δ X= 0°11'35"
(NAD 1927/SLD 1929)
ELEVATION= 5196.73

AS BUILT INFORMATION

CONTRACTOR Jaus Brothers DATE 7/06
SURVEYED by Cartesian Surveys Inc. DATE 7/06
WORK INSPECTORS
ACCEPTANCE BY Sec DATE 7/06
FIELD VERIFICATION BY Cartesian Surveys Inc DATE 7/06
DRAWINGS REVISED BY Sec DATE 7/06
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEERS SEAL
DOUGLAS L. ANDREWS
NEW MEXICO
11771
REGISTERED PROFESSIONAL ENGINEER
Douglas L. Andrews
105-04

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	DATE 06/04
		DESIGNED BY DLA	DATE 06/04
		DRAWN BY KSH	DATE 06/04
		CHECKED BY DLA	

104110
Smith Engineering Company
A Full Service Engineering Company
6400 Uptown Boulevard, N.E. Suite 600E Albuquerque, New Mexico 87110

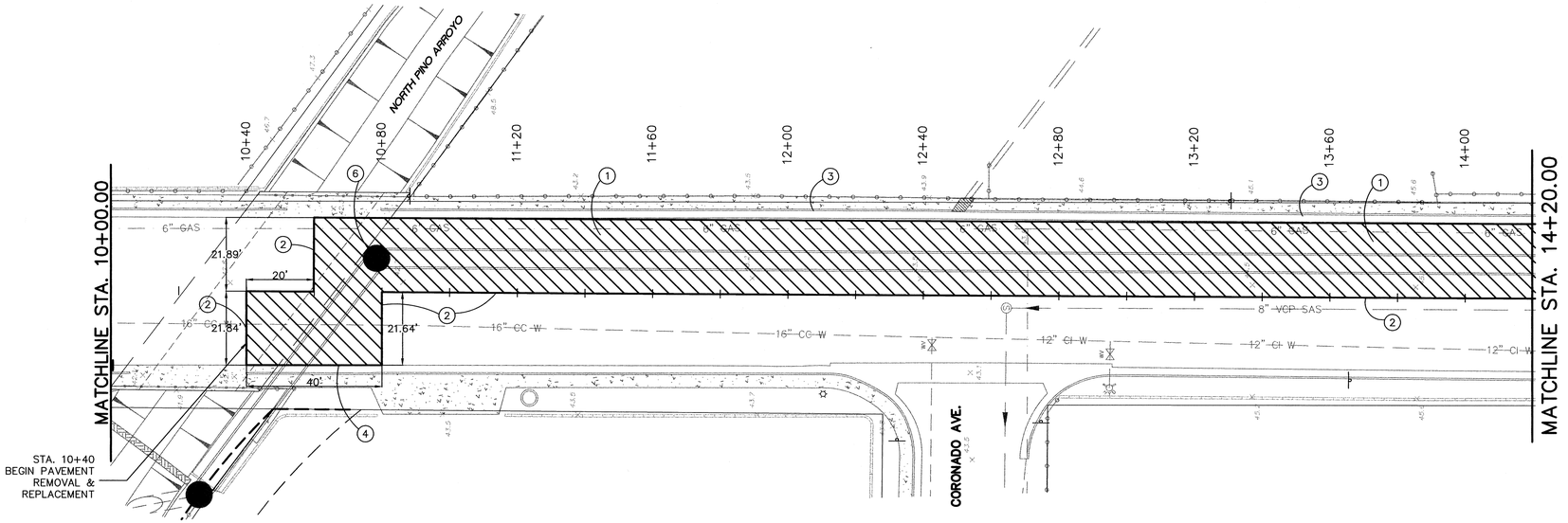
CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
STORM DRAIN DESIGN DIVISION

TITLE: SAN PEDRO COLLECTORS TO THE NORTH PINO ARROYO
REMOVAL SHEET SAN PEDRO DRIVE
NORTH OF N. PINO ARROYO & SAN FRANCISCO ROAD

Design Review Committee: APPROVED 7/20/2004 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED 7/20/2004 CITY ENGINEER
Last Design Update: No. / Day / Yr. / No. / Day / Yr.

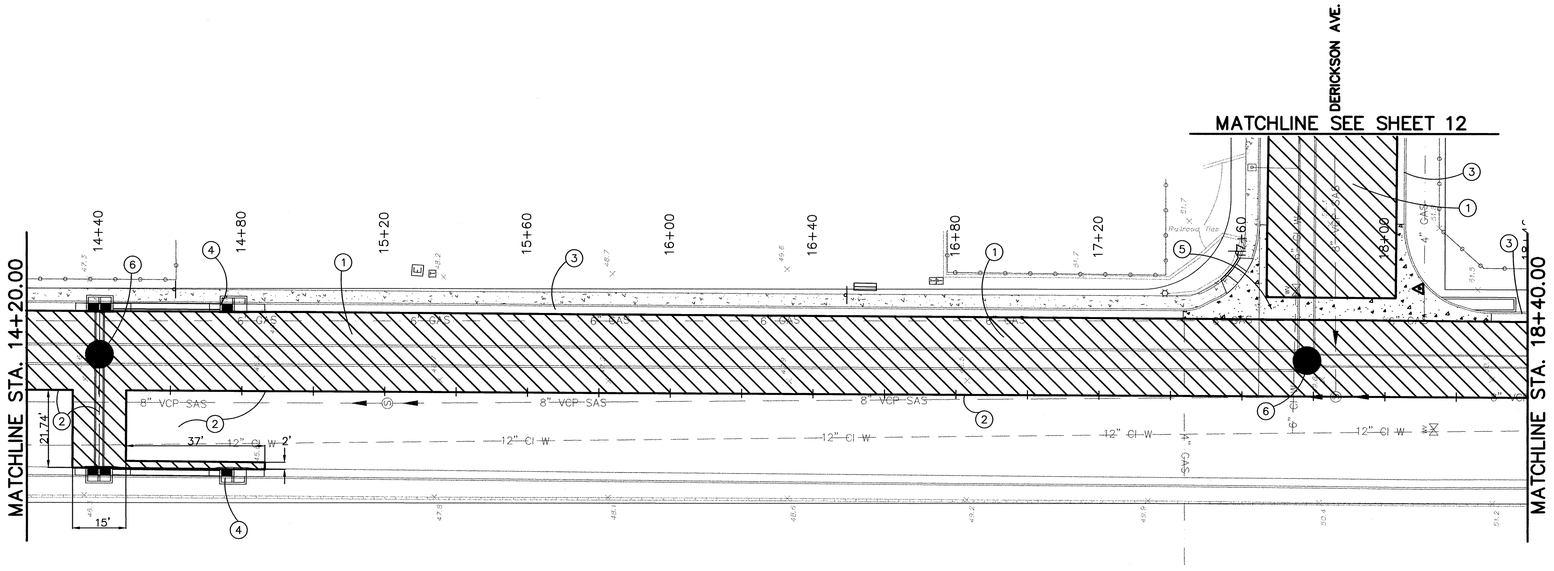
City Project No. 716802 | Zone Map No. D-18 | Sheet 10 | Of 24

RECORD DRAWINGS



SAN PEDRO DRIVE
STA. 10+78.40 TO STA. 14+20.00

SCALE:
HOR.: 1"=20'
VER.: 1"=5'



SAN PEDRO DRIVE
STA. 14+20.00 TO STA. 18+40.00

KEYED NOTES

1. REMOVE AND REPLACE ARTERIAL PAVEMENT PER COA STD DWG 2465 SEE SHEET 13 FOR TYPICAL SECTION
2. SAWCUT NEAT LINES IN PAVEMENT BEFORE REMOVAL
3. CONTRACTOR TO PROTECT AND LEAVE IN PLACE EXISTING STANDARD CURB AND GUTTER
4. REMOVE AND REPLACE 54 LF STANDARD CURB AND GUTTER AND 14 SY 4' SIDEWALK
5. REMOVE ARTERIAL PAVEMENT REPLACE WITH 6' CONCRETE VALLEY GUTTER PER COA STD DWG. 2420
6. ADJUST MENHOLE FRAME & COVER TO GRADE PER COA STD DWG 2111

NOTE:

PAYLIMITS FOR PAVEMENT REMOVAL AND REPLACEMENT ARE SHOWN AS DIMENSIONED ON THIS SHEET.

AS BUILT INFORMATION
CONTRACTOR Saul Borrego DATE 9/26/05
WORK STAKED BY Cartesian Surveys Inc. DATE 9/26/05
INSPECTED BY See DATE 9/26/05
ACCEPTANCE BY DATE
FIELD VERIFICATION BY Cartesian Surveys Inc. DATE 9/26/05
DRAWINGS REVISED BY See DATE 9/26/05
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
NMSHC BRASS TABLET STAMPED "125-14, 1969"
LOCATED AT THE NMDOT DISTRICT
3 OFFICES DRIVEWAY ON THE I-25
EAST FRONTAGE ROAD
X= 399,828.26 Y= 1,514,860.92
G-C= 0.99966298
Δ X= 011'35"
(NAD 1927/SLD 1929)
ELEVATION= 5196.73

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEERS SEAL
STATE OF NEW MEXICO
9877
REGISTERED PROFESSIONAL ENGINEER
10-5-05

NO.	DATE	REMARKS	DESIGNED BY	DRAWN BY	CHECKED BY
		REVISIONS	DBT	DEM	DBT
		DESIGN	10/1/04	10/1/04	10/1/04

Thompson Engineering Consultants, Inc.
tecnm@yahoo.com
4800 JUAN TABO NE. SUITE C PHONE: (505) 271-2199
ALBUQUERQUE, NEW MEXICO 87111 FAX: (505) 237-8422

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
STORM DRAIN DESIGN DIVISION

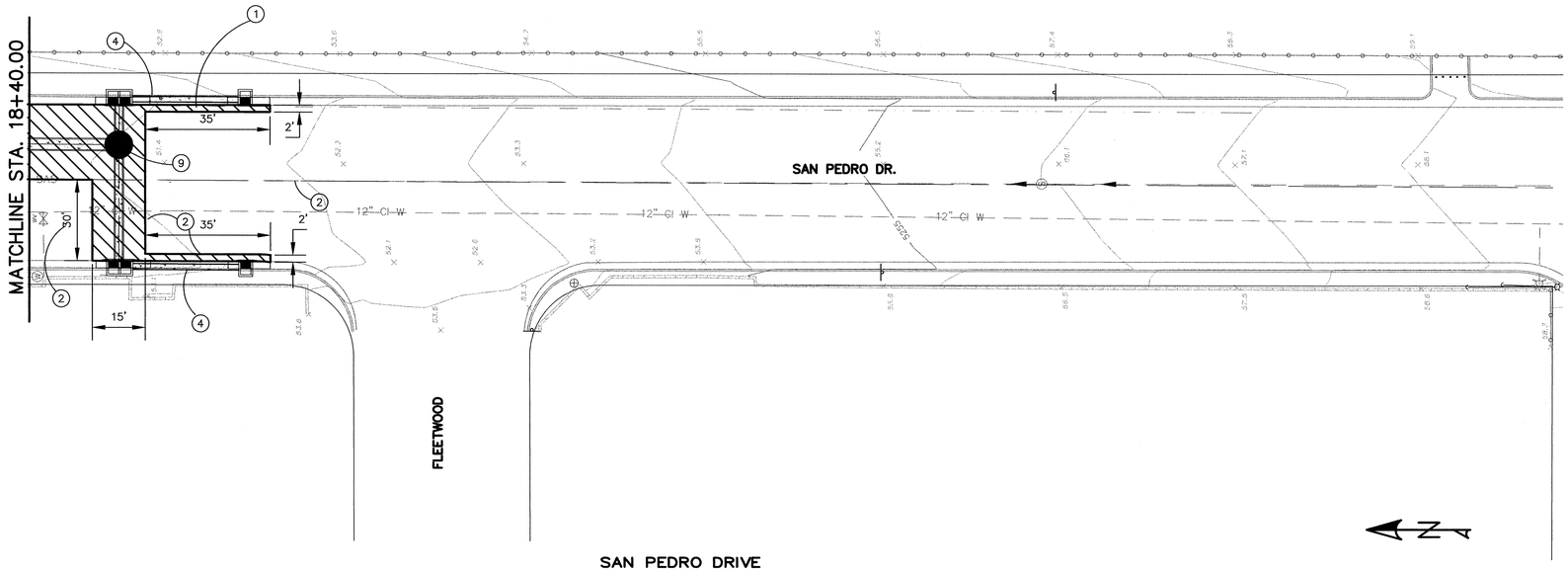
SAN PEDRO COLLECTORS TO THE NORTH PINO ARROYO
PAVING PLAN AND PROFILE SAN PEDRO DRIVE SOUTH OF NORTH PINO ARROYO STA. B.O.P. TO STA. 14+20.00 AND STA. 14+20.00 TO STA. 18+40.00

Design Review Committee: APPROVED OCT 20 2004 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED [illegible] CITY ENGINEER
Last Design Update: No. / Day / Yr. [illegible] / No. / Day / Yr.

City Project No.	Zone Map No.	Sheet No.	Drawing No.
716802	D-18		11 of 24

Z:\PROJECTS\SAN PEDRO COLLECTORS\PLANSET-95X11-SAN-PED-1.DWG 10-1-04 2:04:41 pm EST

RECORD DRAWINGS



SAN PEDRO DRIVE
STA.18+40.00 TO E.O.P.

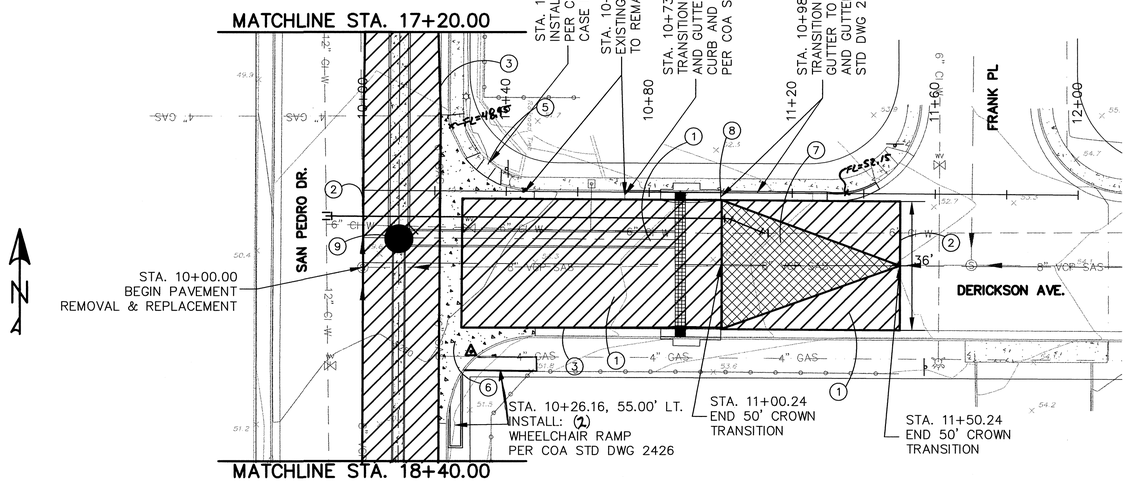
SCALE:
HOR.: 1"=20'
VER.: 1"=5'

KEYED NOTES

1. REMOVE AND REPLACE ARTERIAL PAVEMENT PER COA STD DWG 2465 SEE SHEET 13 FOR TYPICAL SECTION
2. SAWCUT NEAT LINES IN PAVEMENT BEFORE REMOVAL
3. CONTRACTOR TO PROTECT AND LEAVE IN PLACE EXISTING STANDARD CURB AND GUTTER
4. REMOVE AND REPLACE 54 LF STANDARD CURB AND GUTTER PER COA STD DWG 2415A
5. REMOVE AND REPLACE 35 LF EXISTING CURB AND GUTTER AND REPLACE WITH 13 LF STANDARD CURB & GUTTER AND 5 LF MOUNTABLE CURB AND GUTTER PER COA STD DWG 2415A AND 4' WIDE SIDEWALK PER COA STD DWG 2430 INSTALL (1)-WHEELCHAIR RAMP PER COA STD DWG 2441 CASE I TRANSITION FROM STANDARD CURB AND GUTTER TO MOUNTABLE CURB AND GUTTER PER COA STD DWG 2418.
6. REMOVE ARTERIAL PAVEMENT REPLACE WITH 6' CONCRETE VALLEY GUTTER PER COA STD DWG. 2420
7. BUILD 50' CROWN TRANSITION PER COA STD DWG 2401
8. REMOVE 35 LF EXISTING CURB AND GUTTER REPLACE WITH (2) 10 FOOT CURB AND TRANSITIONS AND CATTLE GUARD INLET, REMOVE AND REPLACE 35 LF 4' WIDE SIDEWALK PER COA STD DWG 2430.
9. ADJUST MANHOLE FRAME & COVER TO GRADE PER COA STD DWG 2111

NOTE:

PAYLIMITS FOR PAVEMENT REMOVAL AND REPLACEMENT ARE SHOWN AS DIMENSIONED ON THIS SHEET.



DERICKSON AVENUE

AS BUILT INFORMATION
CONTRACTOR Sass Barnes DATE 9/16/04
WORK STAKED BY Cartesian Surveys Inc. DATE 9/16/04
ACCEPTANCE BY See DATE 9/16/04
FIELD VERIFICATION BY Cartesian Surveys Inc. DATE 9/16/04
DRAWINGS CORRECTED BY See DATE 9/16/04
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
NMSHC BRASS TABLET STAMPED "125-14, 1969"
LOCATED AT THE NMDOT DISTRICT
3 OFFICES DRIVEWAY ON THE I-25
EAST FRONTAGE ROAD
X= 399,828.26 Y= 1,514,860.92
G-C= 0.99966298
ΔX= 011'35"
(NAD 1927/SLD 1929)
ELEVATION= 5196.73

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEERS SEAL
NEW MEXICO 9827 REGISTERED PROFESSIONAL ENGINEER 10/1/04

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
DESIGNED BY		DBT	DATE 10/1/04
DRAWN BY		DEM	DATE 10/1/04
CHECKED BY		DBT	DATE 10/1/04

Thompson Engineering Consultants, Inc.
tecnm@yahoo.com
4600 JUAN TABO NE. SUITE C PHONE: (505) 271-2199
ALBUQUERQUE, NEW MEXICO 87111 FAX: (505) 237-8422

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
STORM DRAIN DESIGN DIVISION

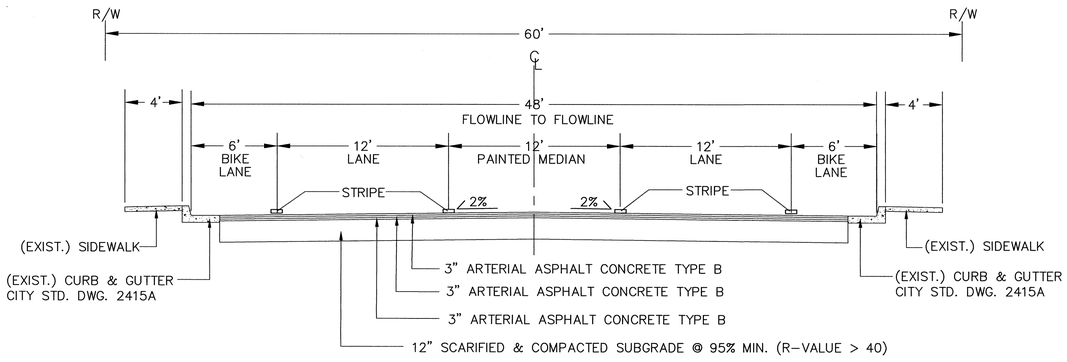
SAN PEDRO COLLECTORS TO THE NORTH PINO ARROYO
PAVING PLAN AND PROFILE SAN PEDRO DRIVE SOUTH OF NORTH PINO ARROYO - STA. 18+40.00 TO STA. E.O.P. AND DERICKSON AVE.

Design Review Committee: APPROVED OCT 20 2004 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED OCT 20 2004 CITY ENGINEER
Last Design Update: No. / Day / Yr. | No. / Day / Yr.

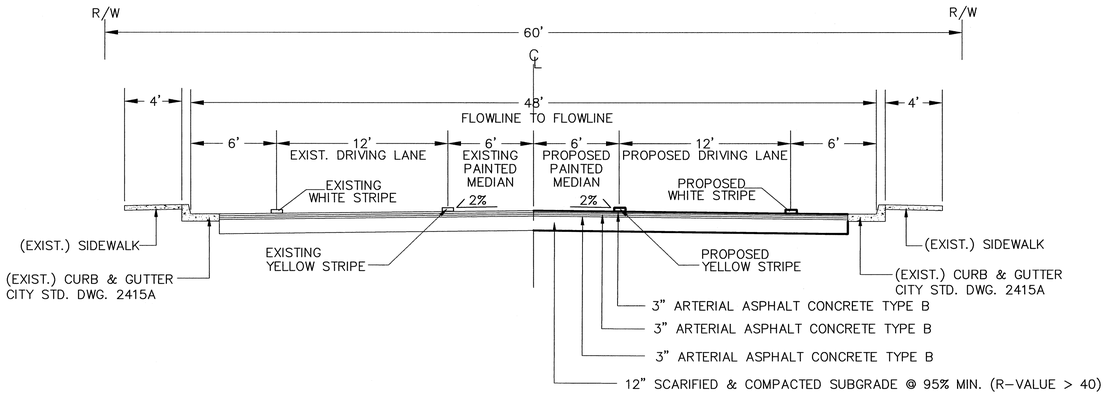
City Project No.	Zone Map No.	Sheet No.	Drawing No.
716802	D-18		12 of 24

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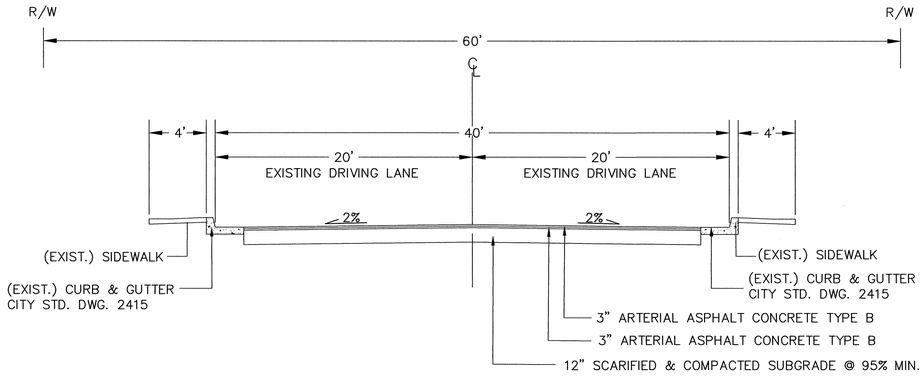
RECORD DRAWINGS



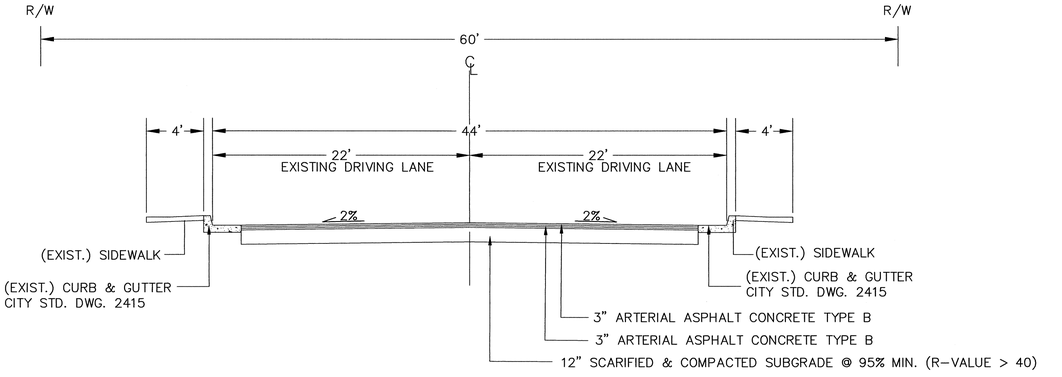
EXISTING SAN PEDRO DRIVE



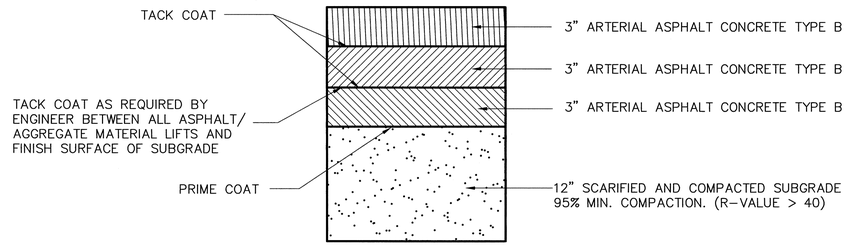
PROPOSED SAN PEDRO DRIVE



PROPOSED DERICKSON AVENUE



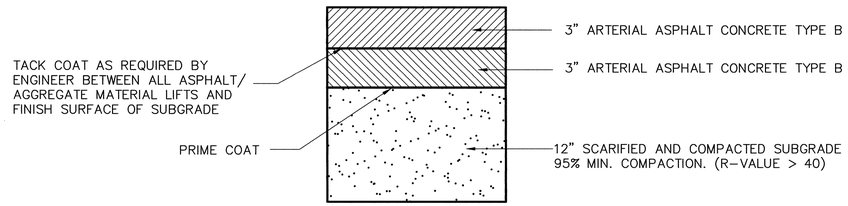
PROPOSED SAN FRANCISCO ROAD



* PER COA STD DWG 2465

PAVEMENT SECTION FOR SAN PEDRO DR.

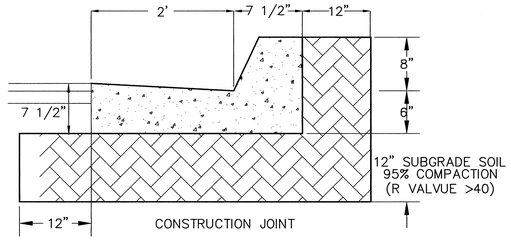
N.T.S.



* PER COA STD DWG 2465

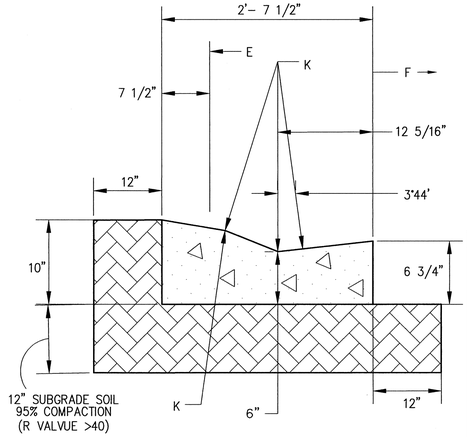
PAVEMENT SECTION FOR DERICKSON AVE. & SAN FRANCISCO RD.

N.T.S.



TYPICAL STANDARD CURB AND GUTTER SECTION

SEE CITY STD. DWG. 2415A NTS



MOUNTABLE CURB ROLL TYPE

SEE CITY STD. DWG. 2415A NTS

NOTES:

E. THEORETICAL FACE OF CURB OR FLOWLINE
F. TRAFFIC SIDE
G. 24" RADIUS

Thompson Engineering Consultants, Inc.
tecnm@yahoo.com
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ALBUQUERQUE, NEW MEXICO 87111 FAX: (505) 237-8422

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
STORM DRAIN DESIGN DIVISION

SAN PEDRO COLLECTORS TO THE NORTH PINO ARROYO
TYPICAL STREET SECTIONS

Design Review Committee: APPROVED DEC 2004 DESIGN REVIEW COMMITTEE

City Engineer Approval: APPROVED DEC 2004 CITY ENGINEER

Last Design Update: No. / Day / Yr. — No. / Day / Yr.

City Project No.	Zone Map No.	Sheet No.	Drawing No.
716802	D-18		13 of 24

AS BUILT INFORMATION
CONTRACTOR Sully Brothers DATE 7-16-04
WORKED BY Cartesian Surveys Inc. DATE 7-16-04
INSPECTORS ACCEPTANCE BY Sec DATE 7-16-04
FIELD VERIFICATION BY Cartesian Surveys INC DATE 7-16-04
DRAWINGS REVISED BY Sec DATE 7-16-04
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
NMSHC BRASS TABLET STAMPED "125-14, 1969"
LOCATED AT THE NMDOT DISTRICT
3 OFFICES DRIVEWAY ON THE I-25
EAST FRONTAGE ROAD
X= 399,828.26 Y= 1,514,860.92
G-C= 0.99966298
ΔX= 0°11'35"
(NAD 1927/SLD 1929)
ELEVATION= 5196.73

SURVEY INFORMATION
FIELD NOTES

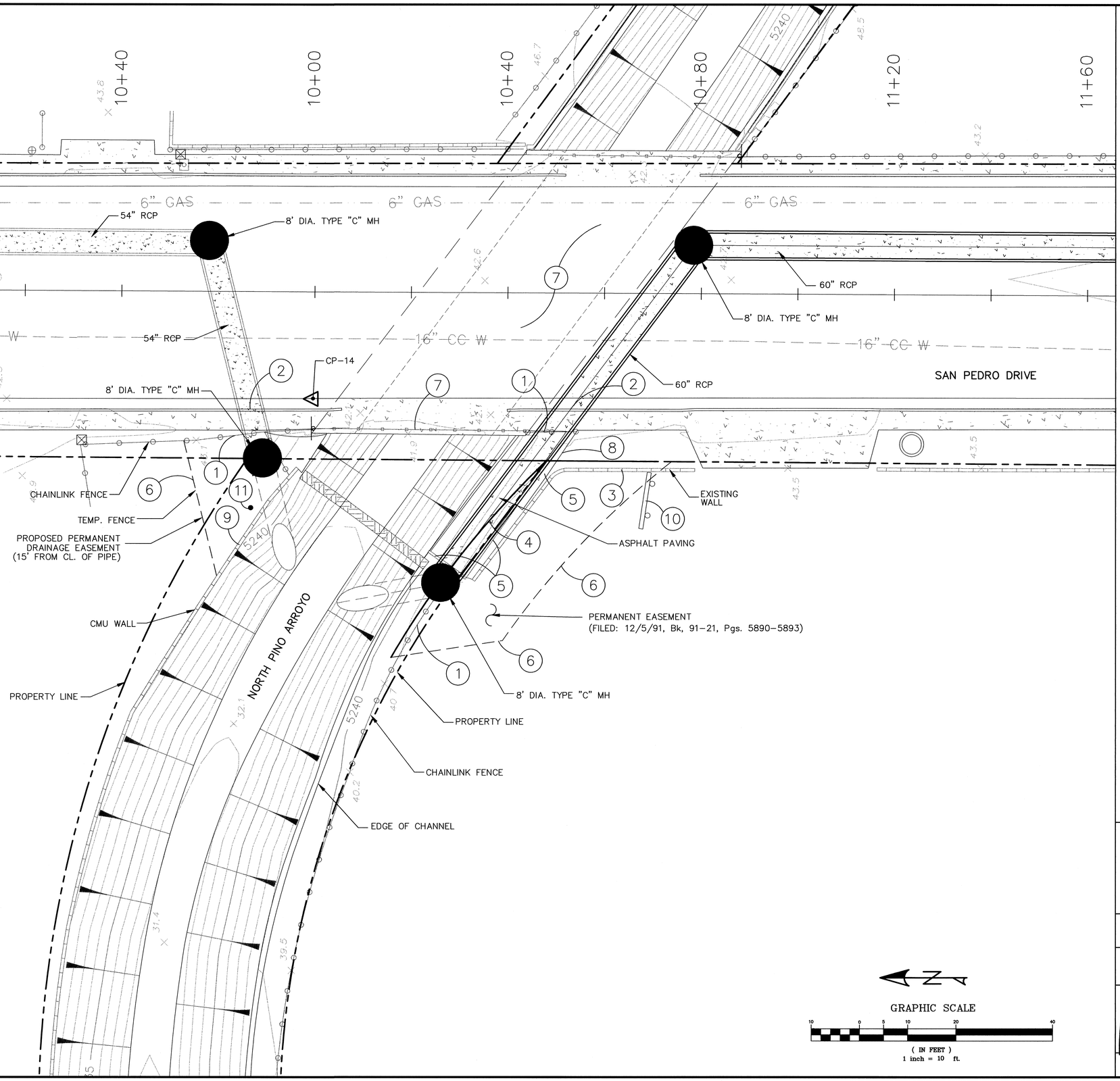
NO.	BY	DATE

ENGINEERS SEAL
NEW MEXICO REGISTERED PROFESSIONAL ENGINEER THOMPSON 9627 7-16-04

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY DBT	DATE 10/1/04
		DRAWN BY DEM	DATE 10/1/04
		CHECKED BY DBT	DATE 10/1/04

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RECORD DRAWINGS



KEYED NOTES

1. REMOVE AND REPLACE 50 LF TOTAL OF EXISTING 6' HIGH CHAIN LINK FENCE
2. REMOVE AND REPLACE 72 LF TOTAL OF STANDARD CURB AND GUTTER AND 32 SY OF 4' WIDE SIDEWALK
3. REMOVE AND REPLACE 55 LF OF 6' HIGH CONCRETE PANEL WALL W/ PILASTERS.
4. REMOVE AND REPLACE 30 SY OF ASPHALT
5. REMOVE AND REPLACE 28 LF OF CONCRETE HEADER CURB
6. INSTALL: 105 LF TOTAL OF TEMPORARY CHAIN LINK FENCE
7. CONTRACTOR TO PROTECT EXISTING 23' TRAPEZOIDAL BOX, BRIDGE DECK, END WALL, AND GUARD RAIL
8. REMOVE AND REPLACE 2' WIDE CONCRETE STRIP
9. CONTRACTOR TO PROTECT EXISTING CONCRETE BLOCK WALL
10. CONTRACTOR TO PROTECT EXISTING BILLBOARD SIGN (APPROXIMATE LOCATION)
11. VERTICAL METHANE GAS VENT PIPE SEE DETAIL SHEET 15

GRAPHIC SCALE
10 0 5 10 20 40
(IN FEET)
1 inch = 10 ft.

AS BUILT INFORMATION
CONTRACTOR Sesi Bruners DATE 9/9/05
WORK BY Cartesian Surveys Inc.
INSPECTORS
ACCEPTANCE BY Sesi DATE 9/9/05
VERIFICATION BY Cartesian Surveys INC DATE 9/9/05
DRAWINGS
REVIEWED BY Sesi DATE 9/9/05
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
NMSHC BRASS TABLET STAMPED "125-14, 1969"
LOCATED AT THE NMDOT DISTRICT
3 OFFICES DRIVEWAY ON THE I-25
EAST FRONTAGE ROAD
X= 399,828.26 Y= 1,514,860.92
G-C= 0.99966298
ΔX= 011'35"
(NAD 1927/SLD 1929)
ELEVATION= 5196.73

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEERS SEAL
LAWRENCE D. THOMPSON NEW MEXICO 9871 REGISTERED PROFESSIONAL ENGINEER
10-1-04

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY	DBT
		DRAWN BY	DBM
		CHECKED BY	DBT

DATE 10-1-04
DATE 10-1-04
DATE 10-1-04

Thompson Engineering Consultants, Inc.
tecnm@yahoo.com
4800 JUAN TABO NE. SUITE C PHONE: (505) 271-2199
ALBUQUERQUE, NEW MEXICO 87111 FAX: (505) 237-8422

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
STORM DRAIN DESIGN DIVISION

SAN PEDRO COLLECTORS TO THE NORTH PINO ARROYO CONNECTION TO STORM DRAIN STUB-OUTS AT THE NORTH PINO ARROYO

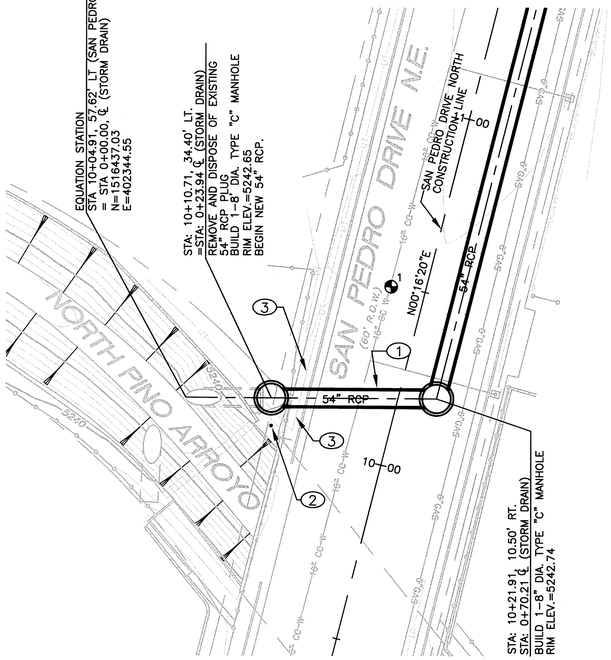
Design Review Committee: APPROVED 2004 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED 10-04 CITY ENGINEER
Last Design Update: No. / Day / Yr. | No. / Day / Yr.

City Project No. 716802 | Zone Map No. D-18 | Sheet No. | Drawing No. 14 of 24

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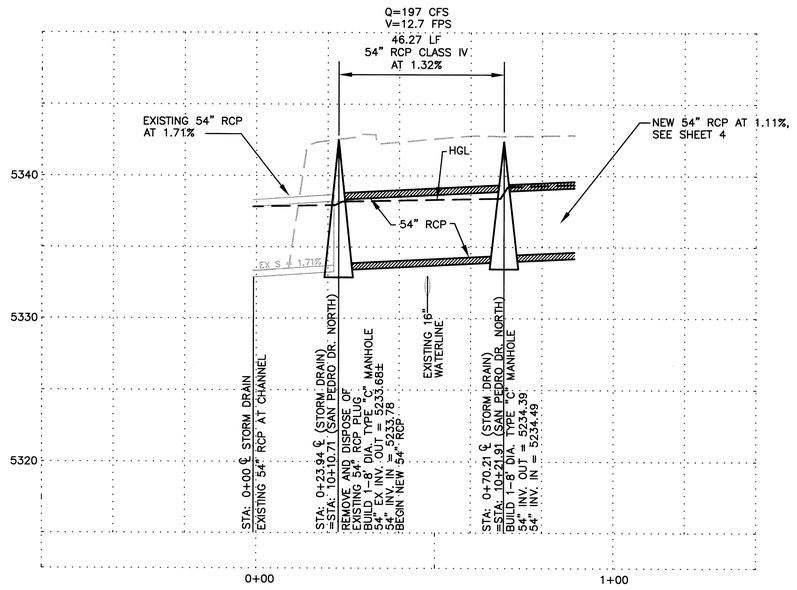
RECORD DRAWINGS

* SEE SHEET 4 FOR MH INFORMATION



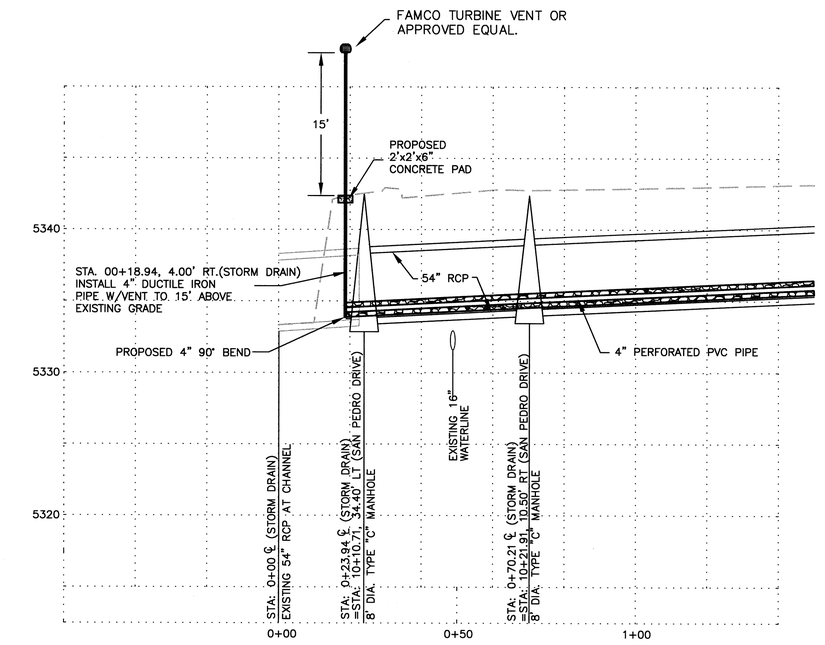
PLAN AT CENTERLINE OF 54" RCP FROM NORTH PINO ARROYO STA. 0+23.94 TO STA. 0+70.21

SCALE: HORIZ: 1"=20'



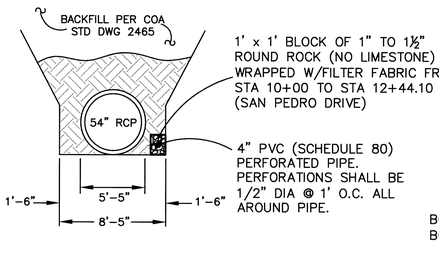
PROFILE AT CENTERLINE OF 54" RCP FROM NORTH PINO ARROYO STA. 0+23.94 TO STA. 0+70.21

SCALE: HORIZ: 1"=20'
VERT: 1"=5'

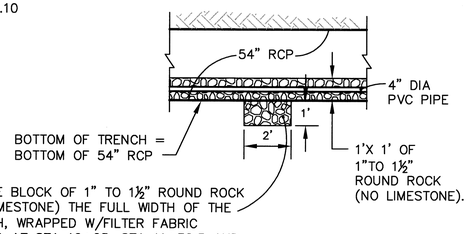


VERTICAL METHANE GAS VENT PIPE DETAIL

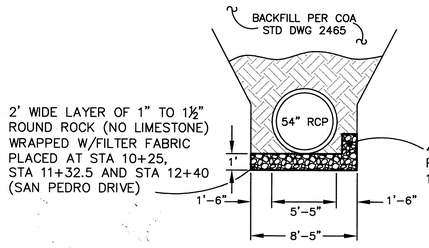
SCALE: HORIZ: 1"=20'
VERT: 1"=5'



METHANE VENT DETAIL
SECTION VIEW
NTS



METHANE VENT DETAIL
PROFILE VIEW
NTS



METHANE VENT
FULL TRENCH WIDTH
SECTION VIEW
NTS

KEYED NOTES:

1. CONTRACTOR TO INSTALL 4" PERFORATED PIPE, FILTER FABRIC, AND 1"–1 1/2" ROUND ROCK (NO LIMESTONE), SEE DETAIL THIS SHEET.
2. CONTRACTOR TO INSTALL 4" DUCTILE IRON METHANE GAS VENT, SEE DETAIL THIS SHEET.
3. CONTRACTOR SHALL SUPPORT EXISTING QWEST DIRECT BURIED LINE DURING CONSTRUCTION. CONTRACTOR SHALL LAY EXISTING QWEST LINE ON TOP OF NEW 54" RCP PRIOR TO BACKFILLING.

GENERAL NOTES:

1. ALL WATERLINE FITTINGS INSTALLED THAT CONNECT TO EXISTING WATERLINES SHALL UTILIZE PORTLAND CEMENT CONCRETE BLOCKING PER COA STD. DWG. 2320.
2. IF TRASH IS ENCOUNTERED DURING THE INSTALLATION OF THE PROPOSED STORM DRAIN FACILITIES OR WATER LINE FACILITIES THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL TRASH WITHIN THE TRENCH PRISM / AREA. ALL TRASH MUST BE DISPOSED OF AT A LANDFILL REGISTERED / LICENSED WITH THE STATE OF NEW MEXICO.
3. IF TRASH IS ENCOUNTERED, CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL TRASH LOCATED UNDER ANY PROPOSED PIPING (STORM DRAIN OR WATERLINE) TO A DEPTH OF FIVE (5) FEET (BELOW THE BOTTOM OF THE PROPOSED PIPE). CONTRACTOR SHALL REPLACE THE VOIDED AREA LEFT FROM THE TRASH REMOVAL WITH SUITABLE MATERIAL. THE SUITABLE MATERIAL SHALL BE COMPACTED IN EIGHT (8) INCH LIFTS TO 90% PER ASTM D-1557. PLACEMENT AND COMPACTION OF THE SUITABLE MATERIAL UNDER THE PROPOSED PIPES SHALL BE CONSIDERED INCIDENTAL TO TRASH REMOVAL AND DISPOSAL AND NO SEPARATE OR ADDITIONAL PAYMENT WILL BE MADE. IF TRASH IS FOUND TO EXIST DEEPER THAN THE FIVE (5) FEET MENTIONED ABOVE, THE CONTRACTOR SHALL COORDINATE WITH VINYARD & ASSOCIATES (505-797-9743) TO INSTALL MONITORING WELLS.

CERTIFICATION
THE CHANGES SHOWN HEREON, MARKED BY AN ASTERISK, ARE BASED UPON A FIELD SURVEY CONDUCTED BY ME OR UNDER MY SUPERVISION AND REFLECT THE LOCATIONS (VERTICAL AND HORIZONTAL) TO THE BEST OF MY KNOWLEDGE AND BELIEF.
Will Hibbard

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS
NMSHC BRASS TABLET STAMPED "125-14, 1969"
LOCATED AT THE NMDOT DISTRICT 3 OFFICES
DRIVEWAY ON THE I-25 EAST FRONTAGE ROAD
X= 399,828.26 Y= 1,514,860.92
G-C= 0.99966298
Δ X= 0°1'35"
(NAD 1927/SLD 1929)
ELEVATION= 5196.73

AS BUILT INFORMATION
CONTRACTOR Sais Brothers
WORK STAKED BY Cartesian Surveys Inc. DATE 12/06
INSPECTORS ACCEPTANCE BY See DATE 12/06
FIELD VERIFICATION BY Cartesian Surveys DATE 12/06
DRAWINGS CORRECTED BY See DATE 12/06
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEERS SEAL
DOUGLAS L. CARLSON NEW MEXICO 11771 REGISTERED PROFESSIONAL ENGINEER
Douglas L. Carlson 10-18-04

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY DLA DATE 06/04	
		DRAWN BY KSH DATE 06/04	
		CHECKED BY DLA DATE 06/04	

104110
Smith Engineering Company
A Full Service Engineering Company
6400 Uptown Boulevard, N.E. Suite 500E Albuquerque, New Mexico 87110

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
STORM DRAIN DESIGN DIVISION

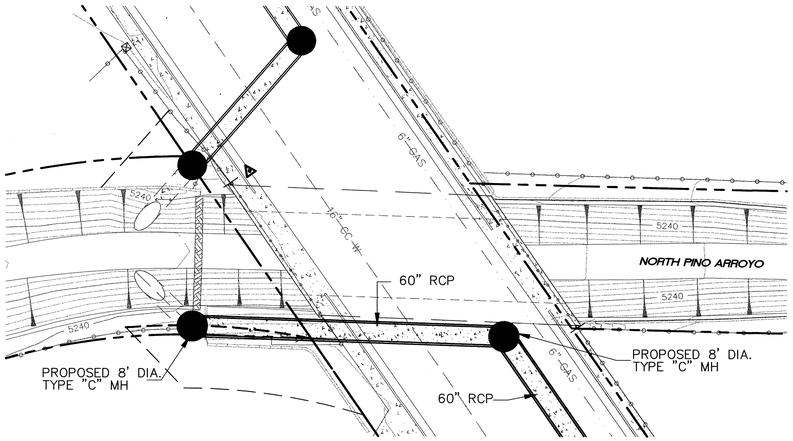
TITLE: SAN PEDRO COLLECTORS TO THE NORTH PINO ARROYO
UTILITY PLAN AND PROFILE: SAN PEDRO 54" RCP
NORTH OF N. PINO ARROYO STA 0+23.94 TO STA 0+70.21

Design Review Committee: APPROVED OCT 20 2004 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED OCT 20 2004 CITY ENGINEER
Last Design Update: No. / Day / Yr. | No. / Day / Yr.

City Project No.	Zone Map No.	Sheet	Of
716802	D-18	15	24

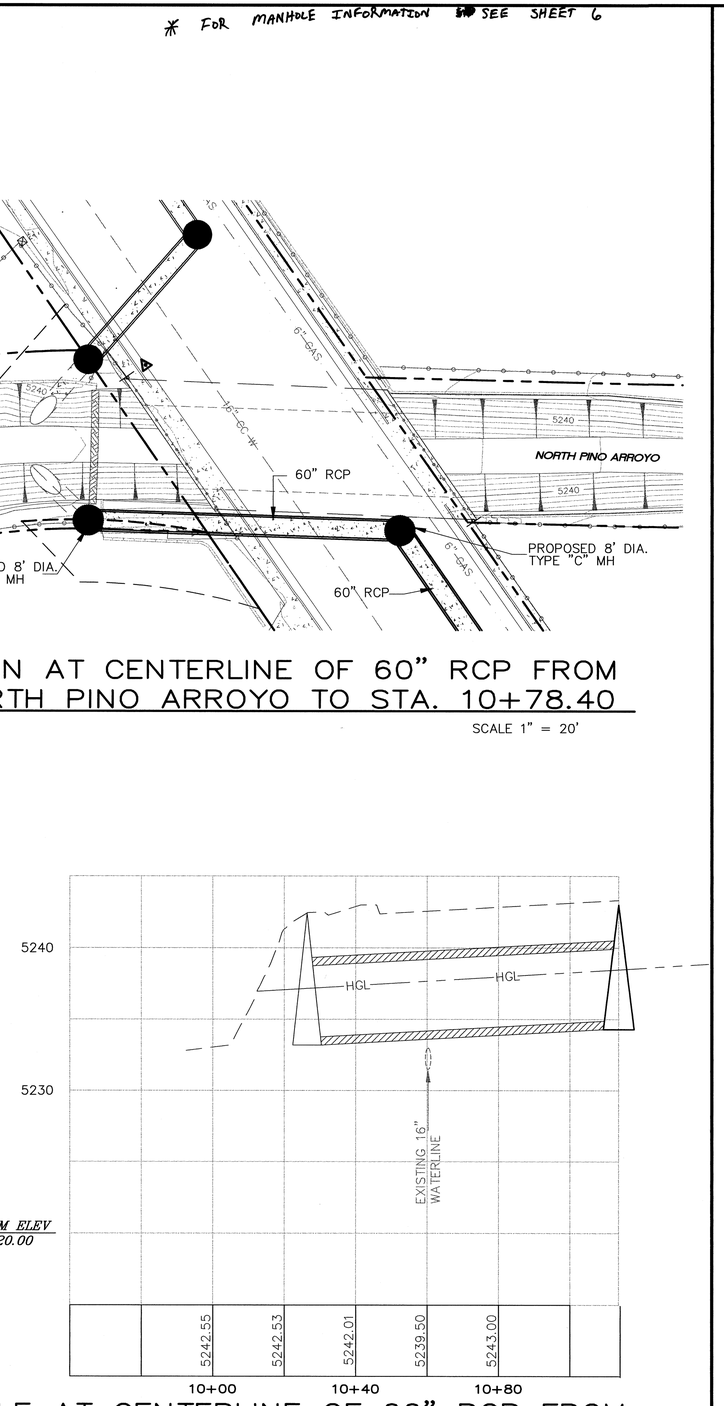
RECORD DRAWINGS

* FOR MANHOLE INFORMATION SEE SHEET 6



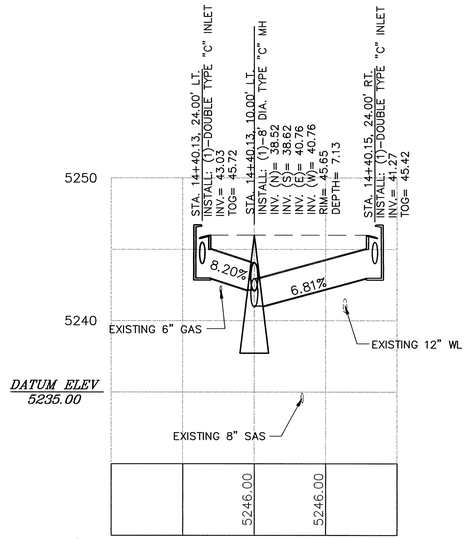
PLAN AT CENTERLINE OF 60" RCP FROM NORTH PINO ARROYO TO STA. 10+78.40

SCALE 1" = 20'



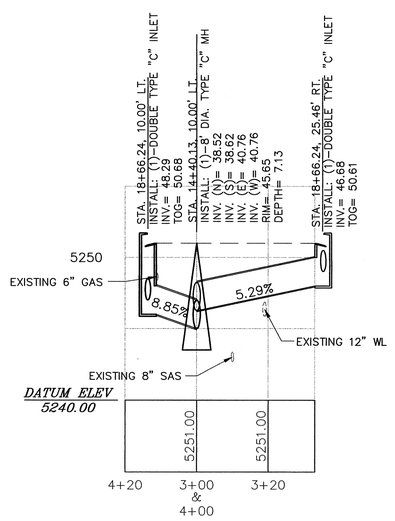
PROFILE AT CENTERLINE OF 60" RCP FROM NORTH PINO ARROYO TO STA. 10+78.40

SCALE 1" = 20' HOR
SCALE 1" = 5' VERT



STA. 14+40.13 SAN PEDRO DR.

SCALE 1" = 20' HORZ
SCALE 1" = 5' VERT



STA. 18+65.83 SAN PEDRO DR.

SCALE 1" = 20' HORZ
SCALE 1" = 5' VERT

CERTIFICATION
THE CHANGES SHOWN HEREON, MARKED BY AN ASTERISK, ARE BASED UPON A FIELD SURVEY CONDUCTED BY ME OR UNDER MY SUPERVISION AND REFLECT THE LOCATIONS (VERTICAL AND HORIZONTAL) TO THE BEST OF MY KNOWLEDGE AND BELIEF.
Will Plotter
See Profile sheets for asbuilts

SCALE 1" = 20' HORZ
SCALE 1" = 5' VERT

Thompson Engineering Consultants, Inc.
tecnm@yahoo.com
4800 JUAN TABO NE. SUITE C PHONE: (505) 271-2199
ALBUQUERQUE, NEW MEXICO 87111 FAX: (505) 237-8422

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
STORM DRAIN DESIGN DIVISION

SAN PEDRO COLLECTORS TO THE NORTH PINO ARROYO
MISCELLANEOUS DETAILS FOR SOUTH STORM DRAIN

Design Review Committee	City Engineering Approval	Last Design Update	No. / Day / Yr.	No. / Day / Yr.
APPROVED OCT 20 2004 DESIGN REVIEW COMMITTEE	APPROVED OCT 20 2004 CITY ENGINEER			

City Project No.	Zone Map No.	Sheet No.	Drawing No.
716802	D-18		16 of 24

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS
NMSHC BRASS TABLET STAMPED "125-14, 1969"
LOCATED AT THE NMDOT DISTRICT
3 OFFICES DRIVEWAY ON THE I-25
EAST FRONTAGE ROAD
X= 399,828.26 Y= 1,514,860.92
G-C= 0.99966298
Δ X= 0°11'35"
(NAD 1927/SLD 1929)
ELEVATION= 5196.73

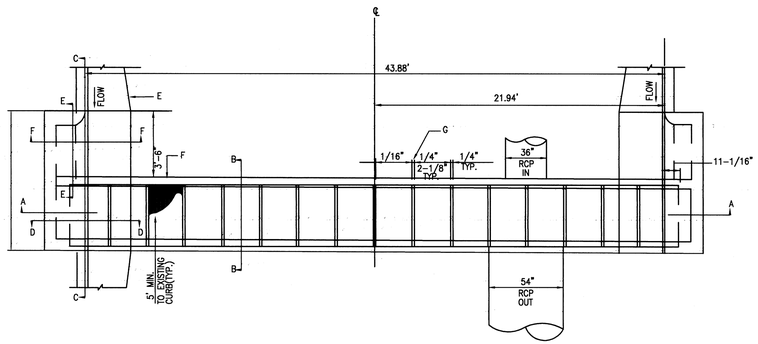
AS BUILT INFORMATION
CONTRACTOR Sous Brothers DATE 9/2005
WORK STAKED BY Cartesian Surveys Inc. DATE 9/2005
INSPECTORS ACCEPTANCE BY See DATE 9/2005
FIELD VERIFICATION BY Cartesian Surveys Inc DATE 9/2005
DRAWINGS CHECKED BY See DATE 9/2005
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEERS SEAL
DAVID B. THOMPSON NEW MEXICO 9677 REGISTERED PROFESSIONAL ENGINEER 10-5-04

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY DBT	DATE 10/1/04
		DRAWN BY DEM	DATE 10/1/04
		CHECKED BY DBT	DATE 10/1/04

Z:\PROJECTS\SAN PEDRO COLLECTORS\PLANSET-95X116-AND-18-MISC-SOUTH.DWG 10-1-04 2:05:1 pm EST

RECORD DRAWINGS



CATTLE GUARD PLAN DETAIL
STA 10+55.51 SAN FRANCISCO

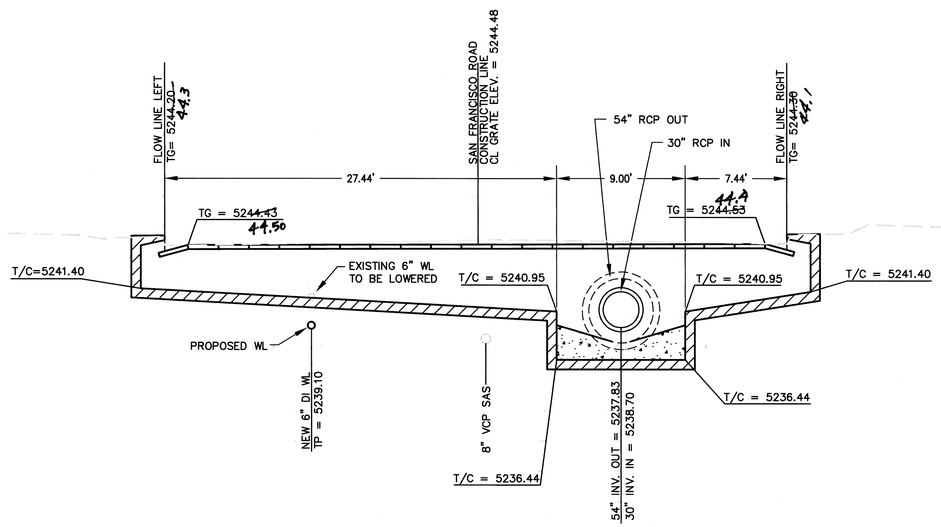
SCALE: N.T.S

GENERAL NOTES:

1. ALL EXPOSED METAL PARTS SHALL BE PAINTED PRIOR TO ASSEMBLY. WELDING, MACHINING AND DRILLING SHALL BE DONE PRIOR TO PAINTING, ALL DIMENSIONS ARE FINISH DIMENSIONS.
2. ALL PARTS SHALL BE OF STRUCTURE STEEL, GRADE 36.
3. FOR CLEANING AND PAINTING OF FRAME SEE DWG. 2215, GENERAL NOTE NO. 4.
4. FRAME MAY BE WELDED OR RIVETED.

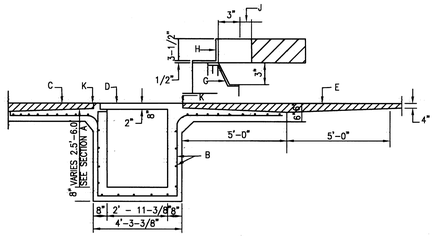
CONSTRUCTION NOTES:

A. NO. 4 BARS AT 6" O.C. EACH WAY.
B. TOP OF CURB.
C. CURB FLOWLINE.
D. ANGLE ANCHOR DETAIL, SEE DWG. NO. 2205.
E. SEE CITY OF ALBUQUERQUE STD. DWG. 2207 FOR STORM INLET GUTTER TRANSITION.
F. GRATE PER CITY OF ALBUQUERQUE STD. DWG. 2220 (TYP.) 16 TOTAL MODIFIED WITH 1" GAP COVER PLATE PER DETAIL THIS SHEET.
G. 1/4" SPACE BETWEEN GRATES (TYP.).
H. CONCRETE FILL

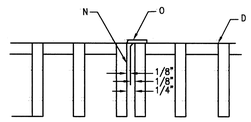


SECTION A–A
SAN FRANCISCO ROAD CATTLE GUARD INLET SECTION

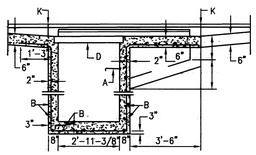
SCALE: 1"=5'



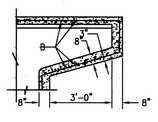
SECTION B–B



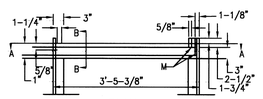
GRATE CAP COVER PLATE DETAIL



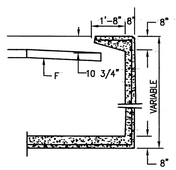
SECTION C–C



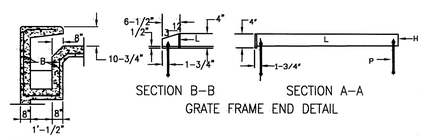
SECTION E–E



PLAN



SECTION D–D



SECTION F–F

SECTION B–B SECTION A–A
GRATE FRAME END DETAIL

GENERAL NOTES:

1. ALL EXPOSED METAL PARTS SHALL BE PAINTED PRIOR TO ASSEMBLY. WELDING, MACHINING AND DRILLING SHALL BE DONE PRIOR TO PAINTING. ALL DIMENSIONS ARE FINISH DIMENSIONS.
2. ALL PARTS SHALL BE OF STRUCTURE STEEL, GRADE 36.
3. FOR CLEANING AND PAINTING OF FRAME SEE DWG. 2215, GENERAL NOTE NO. 4.
4. FRAME MAY BE WELDED OR RIVETED.

CONSTRUCTION NOTES:

A. FOR STORM INLET DEPTHS GREATER THAN 4', INSTALL STD. STEPS, SEE STD. DETAIL.
B. NO. 4 BARS AT 6" O.C. EACH WAY.
C. ROUGH TEXTURE CONCRETE SURFACE (TYP.).
D. GRATE
E. THICKEN ASPHALT PAVEMENT TO 6" AT EDGE OF APRON BOTH SIDES OF INLET (TYP.).
F. GRATE FRAME.
G. 1" X 1/8" STEEL STRAP–WELD TO ANGLE 4" O.C.
H. 4" X 3" X 1/2".
J. 2" CLEARANCE.
K. SEE PLAN.
L. 3-1/2" X 3" X 3/8" X 3'-4-3/8".
M. 2-3/8" RIVETS AT EACH CORNER, SEE GENERAL NOTE NO. 4.
N. 1/8" FILLET WELD 2" LONG AT 6" O.C. (TYP.).
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P. FOUR (4) EACH 1/2" X 8" BOLTS WITH SQUARE HEADS AND NUTS. ONE BOLT AT EACH CORNER FOR ANCHORING THE FRAME INTO THE CONCRETE WALL.

CATTLE GUARD MISC DETAILS

SCALE: N.T.S

CERTIFICATION
THE CHANGES SHOWN HEREON, MARKED BY AN ASTERISK, ARE BASED UPON A FIELD SURVEY CONDUCTED BY ME OR UNDER MY SUPERVISION AND REFLECT THE LOCATIONS (VERTICAL AND HORIZONTAL) TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Will P. Roth Jr.

AS BUILT INFORMATION
CONTRACTOR Sauer Barnes
WORK STAKED BY Cartesian Surveys Inc. DATE 9-24-04
FINAL CK BY Cartesian Surveys Inc. DATE 9-24-04
ACCEPTANCE BY See DATE 9-24-04
FIELD VERIFICATION BY Cartesian Surveys Inc. DATE 9-24-04
DRAWINGS REVISED BY See DATE 9-24-04
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
NMSHC BRASS TABLET STAMPED "I-25-14, 1969"
LOCATED AT THE NMDOT DISTRICT 3 OFFICES
DRIVEWAY ON THE I-25 EAST FRONTAGE ROAD
X= 399,828.26 Y= 1,514,860.92
G-C= 0.99966298
Δ X= 011°35"
(NAD 1927/SLD 1929)
ELEVATION= 5196.73

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEERS SEAL
DONALD WAYNE ANDREWS NEW MEXICO 11771 REGISTERED PROFESSIONAL ENGINEER
10-5-04

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
	06/04	DESIGNED BY DLA	
	06/04	DRAWN BY KSH	
	06/04	CHECKED BY DLA	

104110
Smith Engineering Company
A Full Service Engineering Company
6400 Uptown Boulevard, N.E. Suite 600E Albuquerque, New Mexico 87110

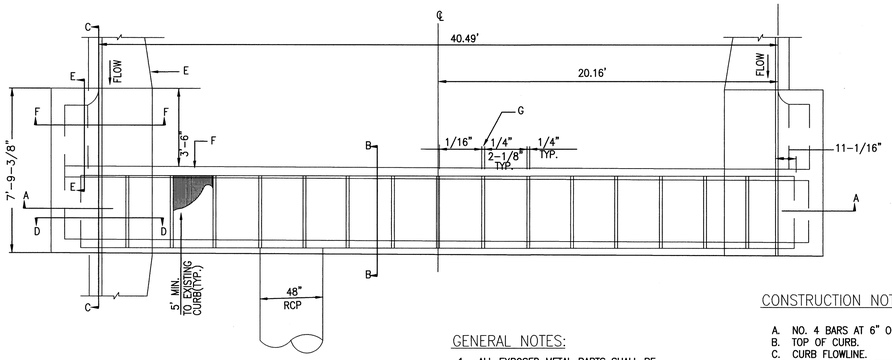
CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
STORM DRAIN DESIGN DIVISION

TITLE: SAN PEDRO COLLECTORS TO THE NORTH PINO ARROYO
SAN FRANCISCO CATTLE GUARD INLET
DETAIL SHEET

Design Review Committee: APPROVED OCT 20 2004 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED OCT 20 2004 CITY ENGINEER
Last Design Update: No. / Day / Yr. | No. / Day / Yr.

City Project No.	Zone Map No.	Sheet	Of
716802	D-18	17	24

RECORD DRAWINGS



GENERAL NOTES:

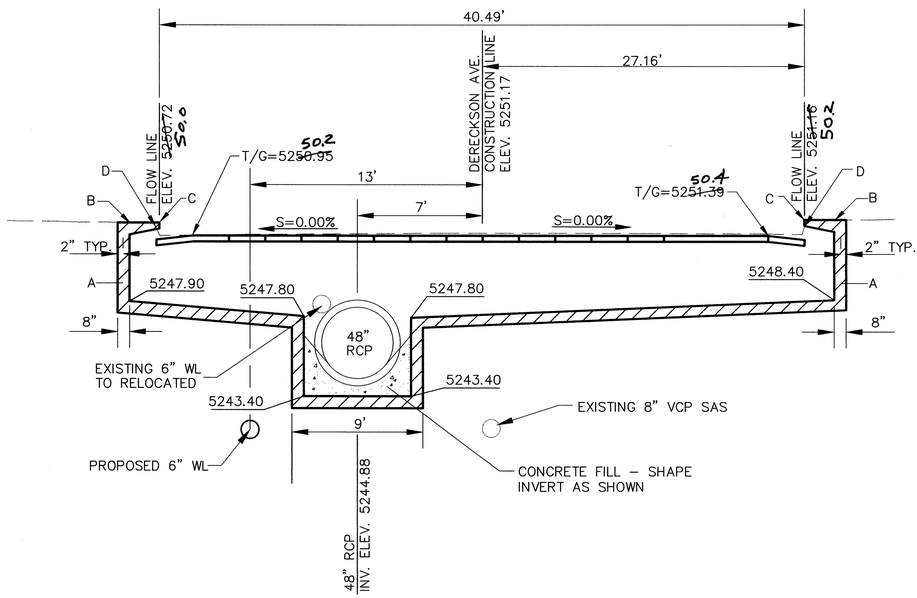
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G. 1/4" SPACE BETWEEN GRATES (TYP.).
H. CONCRETE FILL

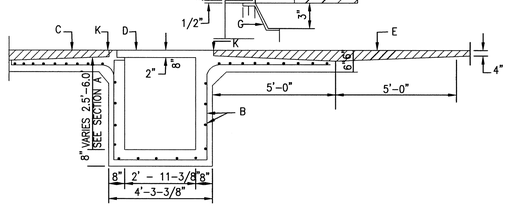
CATTLEGUARD INLET PLAN DETAIL

NTS

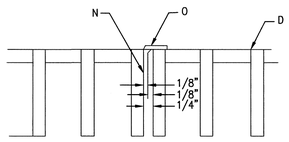


SECTION A-A
CATTLEGUARD INLET DETAIL
FOR DERICKSON AVENUE

NTS



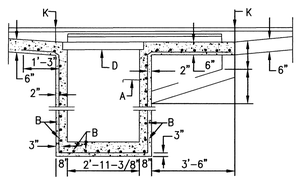
SECTION B-B



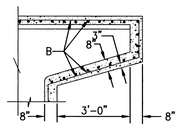
GRATE CAP COVER PLATE DETAIL

GENERAL NOTES:

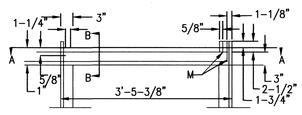
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SECTION C-C



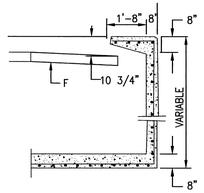
SECTION E-E



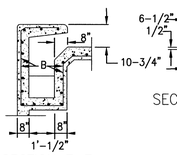
PLAN

CONSTRUCTION NOTES:

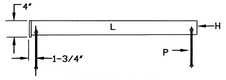
A. FOR STORM INLET DEPTHS GREATER THAN 4', INSTALL STD. STEPS, SEE STD. DETAIL.
B. NO. 4 BARS AT 6" O.C. EACH WAY.
C. ROUGH TEXTURE CONCRETE SURFACE (TYP.).
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E. THICKEN ASPHALT PAVEMENT TO 6" AT EDGE OF APRON BOTH SIDES OF INLET (TYP.).
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L. 3-1/2" X 3" X 3/8" X 3'-4-3/8".
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SECTION D-D



SECTION F-F



SECTION B-B SECTION A-A

GRATE FRAME END DETAIL

CATTLEGUARD MISC. DETAILS

NTS

CERTIFICATION
THE CHANGES SHOWN HEREON, MARKED BY AN ASTERISK, ARE BASED UPON A FIELD SURVEY CONDUCTED BY ME OR UNDER MY SUPERVISION AND REFLECT THE LOCATIONS (VERTICAL AND HORIZONTAL) TO THE BEST OF MY KNOWLEDGE AND BELIEF.

SCALE 1" = 20' HORZ
SCALE 1" = 5' VERT

Thompson Engineering Consultants, Inc.
tecnm@yahoo.com
4800 JUAN TABO NE, SUITE C PHONE: (505) 271-2199
ALBUQUERQUE, NEW MEXICO 87111 FAX: (505) 237-8422

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
STORM DRAIN DESIGN DIVISION

SAN PEDRO COLLECTORS TO THE NORTH PINO ARROYO
MISCELLANEOUS DETAILS FOR SOUTH STORM DRAIN

Design Review Committee: APPROVED OCT 20 2004 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED OCT 20 2004 CITY ENGINEER
Last Design Update: No. / Day / Yr. / No. / Day / Yr.

City Project No. 716802 | Zone Map No. D-18 | Sheet No. | Drawing No. 18 of 24

AS BUILT INFORMATION
CONTRACTOR Saul Brothers DATE 9/16/05
WORK STAKED BY Cartesian Surveys Inc. DATE 9/16/05
INSPECTIONS BY See DATE 9/16/05
ACCEPTANCE BY DATE
FIELD VERIFICATION BY Cartesian Surveys Inc. DATE 9/16/05
DRAWINGS CORRECTED BY See DATE 9/16/05
MICRO-FILM INFORMATION
RECORDED BY DATE
NO. ELEVATION= 5196.73

BENCH MARKS
NMSHC BRASS TABLET STAMPED "125-14, 1969" LOCATED AT THE NMDOT DISTRICT 3 OFFICES DRIVEWAY ON THE I-25 EAST FRONTAGE ROAD
X= 399,828.26 Y= 1,514,860.92
G-C= 0.99966298
ΔX= 011'35"
(NAD 1927/SLD 1929)
ELEVATION= 5196.73

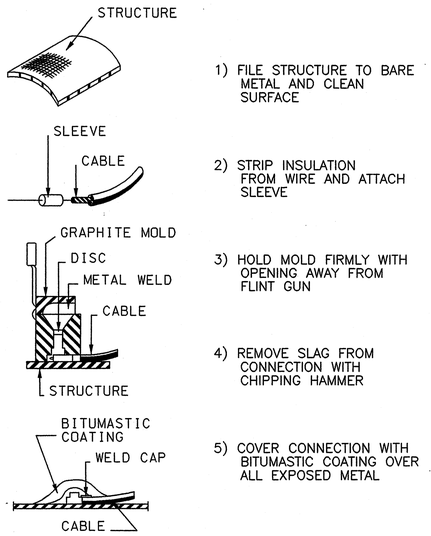
SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
WILLIAM THOMPSON JR. NEW MEXICO 9827 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		AS BUILT	
		REVISIONS	
		DESIGN	
DESIGNED BY	DBT	DATE	10/1/04
DRAWN BY	DEM	DATE	10/1/04
CHECKED BY	DBT	DATE	10/1/04

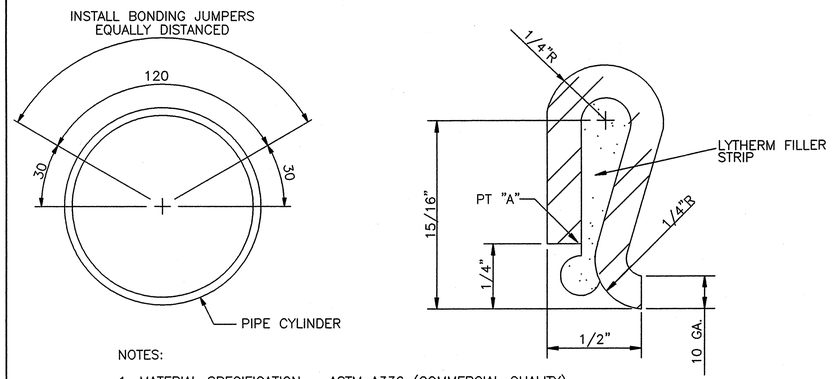
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RECORD DRAWINGS



1 / 22,23,22 EXOTHERMIC WELD DETAIL

SCALE: NOT TO SCALE

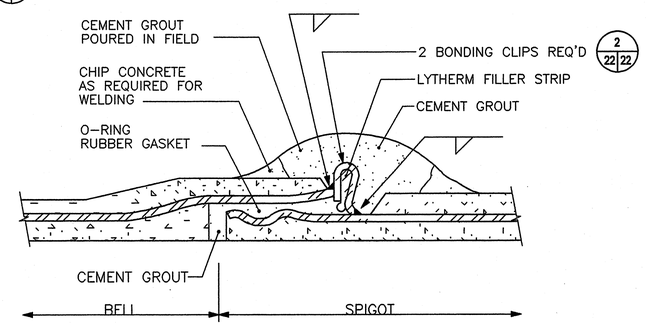


NOTES:

1. MATERIAL SPECIFICATION – ASTM A336 (COMMERCIAL QUALITY) CUT LENGTH – 2 1/2 "+- 1/16 " WIDTH – 1 1/4 " +- 1/16 "
2. LYTERM FILLER STRIP TO BE 1" X 1 1/2 " WIDE TO OVERLAP SIDES OF JUMPER.
3. CRIMP BONDING JUMPER OVER FILLER AT PT "A" TO COMPRESS FILLER.

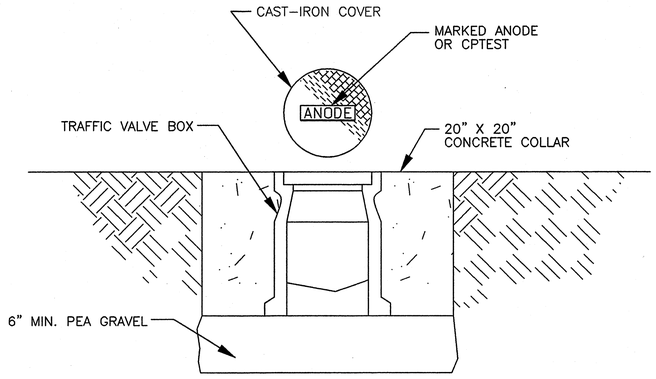
2 / 22,22 BONDING CLIPS

SCALE: NOT TO SCALE



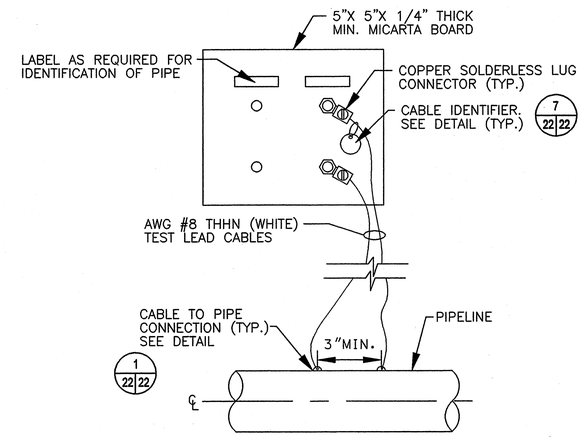
3 / 22,22 CCP OR CML&C STEEL PIPE BONDING INSTALLATION

SCALE: NOT TO SCALE



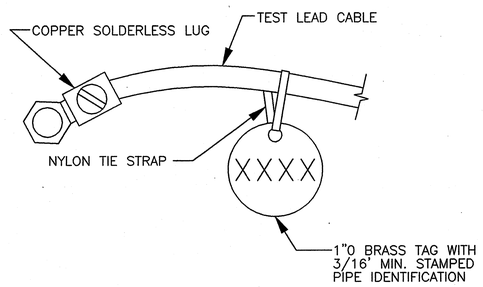
4 / 23,22 TEST STATION HOUSING

SCALE: NOT TO SCALE



5 / 23,22 2 WIRE TEST STATION

SCALE: NOT TO SCALE



7 / 22,23,22 CABLE IDENTIFIER

SCALE: NOT TO SCALE

NUMBER	TYPE	STATION NUMBER	COMMENTS
1	I.J.	13+20	Connection to 30-in from Coronado
2	Casing	10+82	North Pino Arroyo Cased Crossing
3	Casing	10+38	North Pino Arroyo Cased Crossing
4	2-WIRE	20+80	
5	I.J.	23+12	Connection to 30-in from WTP

8 / 1 TEST STATION SCHEDULE

SCALE: NOT TO SCALE

AS BUILT INFORMATION
CONTRACTOR Sves Brothers DATE 9.2.05
SURVEY STAKED by Cartesian Surveys Inc. DATE 9.2.05
INSPECTOR'S ACCEPTANCE BY Steve DATE 9.2.05
FIELD VERIFICATION BY Cartesian Surveys Inc. DATE 9.2.05
DRAWINGS CORRECTED BY Steve DATE 9.2.05
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES BY DATE
NO.

ENGINEER'S SEAL
REGISTERED PROFESSIONAL ENGINEER STATE OF NEW MEXICO No. 4856 DONALD J. LARROW
04.22.05

REVISIONS

NO.	DATE	REMARKS	BY
		DESIGN	DATE: APR 2005
		DESIGNED BY: B.K.WATKINS	
		DRAWN BY: B.K.WATKINS	DATE: APR 2005
		CHECKED BY: D.J.LARROW	DATE: APR 2005

DMJMH+N

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPLE DEVELOPEMENT
STORM DRAIN DESIGN DEVISION

TITLE: SAN PEDRO COLLECTORS TO THE NORTH PINO ARROYO CATHODIC PROTECTION DETAILS FOR 30" WATER

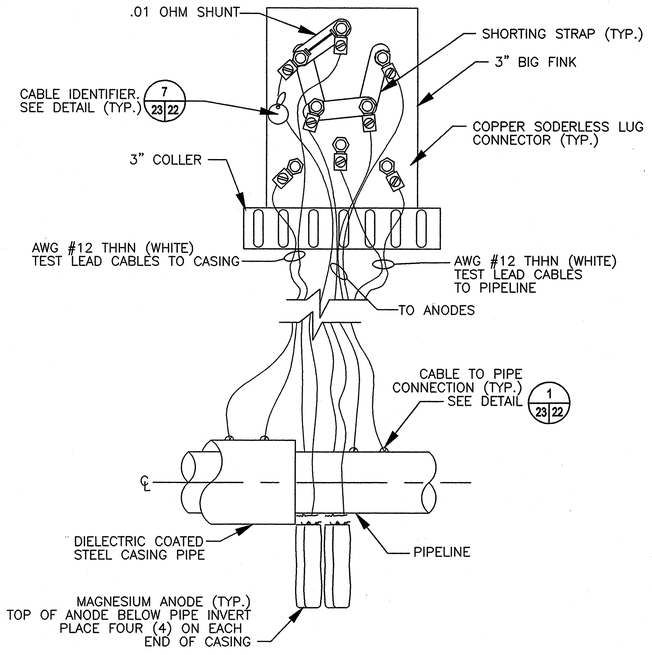
Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
716802	D-18	18A	24

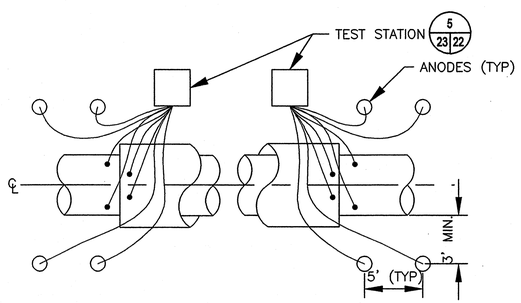
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RECORD DRAWINGS



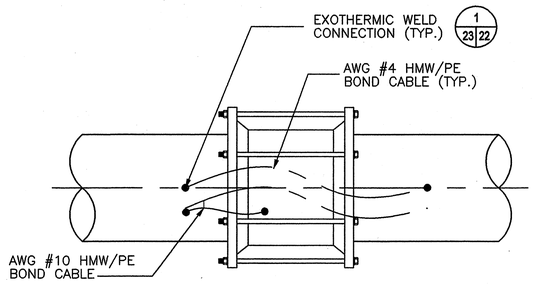
ELEVATION VIEW



PLAN VIEW

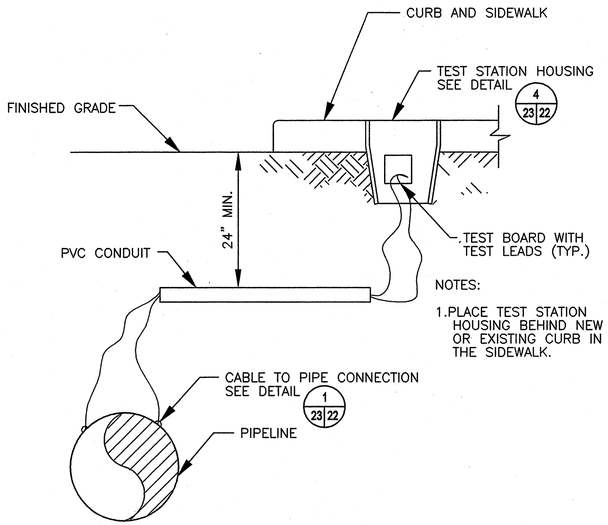
1/23/23 CASING TEST STATION

SCALE: NOT TO SCALE



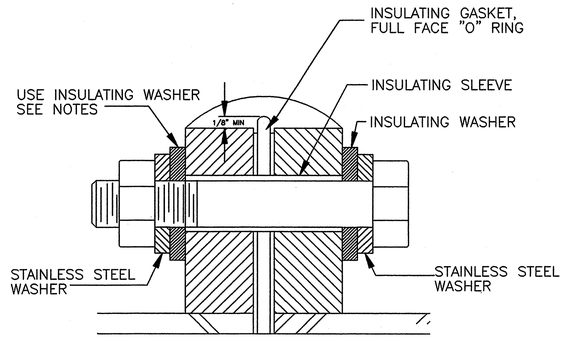
2/23/23 FLEXIBLE COUPLING BONDING

SCALE: NOT TO SCALE

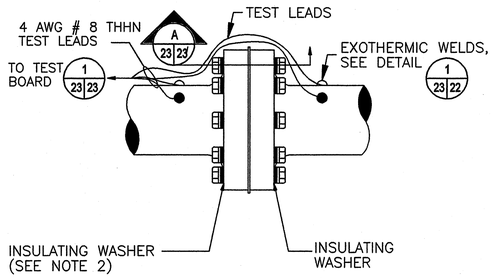


4/23/23 TEST STATION INSTALLATION (TYP.)

SCALE: NOT TO SCALE



A/23/23 SECTION



3/23/23 ISOLATION FLANGE HARDWARE DETAIL

SCALE: NOT TO SCALE

NOTES:

1 HARDWARE QUANTITIES IN INSULATING FLANGE KIT WILL VARY BASED ON GASKET PATTERN AND PIPE SIZE.

2 SEE SPECIFICATIONS FOR ISOLATION GASKET, SLEEVE AND WASHER MATERIALS.

3 FOR CONNECTIONS TO FOREIGN INSTALLATIONS, INSTALL SINGLE–WASHER KITS WITH THE ISOLATING WASHERS ONLY ON THE FOREIGN SIDE OF THE FLANGES.

4 FOR NON–FOREIGN INSTALL DOUBLE – WASHER KITS WITH ISOLATING WASHERS ON BOTH SIDES OF THE FLANGES.

5 DO NOT APPLY METALLIC OR OTHER NON–INSULATING PAINTS TO INSULATING PARTS OR OTHER EDGES OF FLANGES.

6 INSULATING SLEEVE TO BE 1/64 " SHORTER THAN DISTANCE BETWEEN SST WASHERS WHEN BOLT IS FULLY TIGHTENED.

AS BUILT INFORMATION

CONTRACTOR: Sims Brothers DATE 9/26/05
WORK STAKED BY: Cartesian Surveys Inc. DATE 9/26/05
STAKED BY: [illegible] DATE 9/26/05
ACCEPTANCE BY: [illegible] DATE 9/26/05
FIELD VERIFICATION BY: Cartesian Surveys Inc. DATE 9/26/05
DRAWINGS CORRECTED BY: [illegible] DATE 9/26/05

MICRO-FILM INFORMATION

RECORDED BY: DATE

NO.

BENCH MARKS

A Standard ACS Brass Tablet stamped "10-D18 1978"
NW corner Jade Park Ave. and Louisiana Blvd.
Geographic Position (NAD 1927) in feet
N.M. State Plane Coordinates (Central Zone)
X=404876.27, Y=1515687.39
Elevation= 5319.15 NGVD29, in feet
Interim NAD83, in feet (X=1545121.82, Y=1515750.47)
Transformed to Interim NAVD88 by Corpscon V5.11.08
Elevation=5321.91 Interim NAVD88 in feet

SURVEY INFORMATION

FIELD NOTES

NO. | BY | DATE

ENGINEER'S SEAL

REGISTERED PROFESSIONAL ENGINEER
STATE OF NEW MEXICO
No. 4856
DAVID J. LARROW

04.22.05

REVISIONS

NO. | DATE | REMARKS | BY

DESIGN
DESIGNED BY: B K WATKINS DATE: APR 2005
DRAWN BY: B K WATKINS DATE: APR 2005
CHECKED BY: D J LARROW DATE: APR 2005

DMJMH+N

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPLE DEVELOPEMENT
STORM DRAIN DESIGN DEVISION

TITLE: SAN PEDRO COLLECTORS TO THE NORTH PINO ARROYO CATHODIC PROTECTION DETAILS FOR 30" WATER

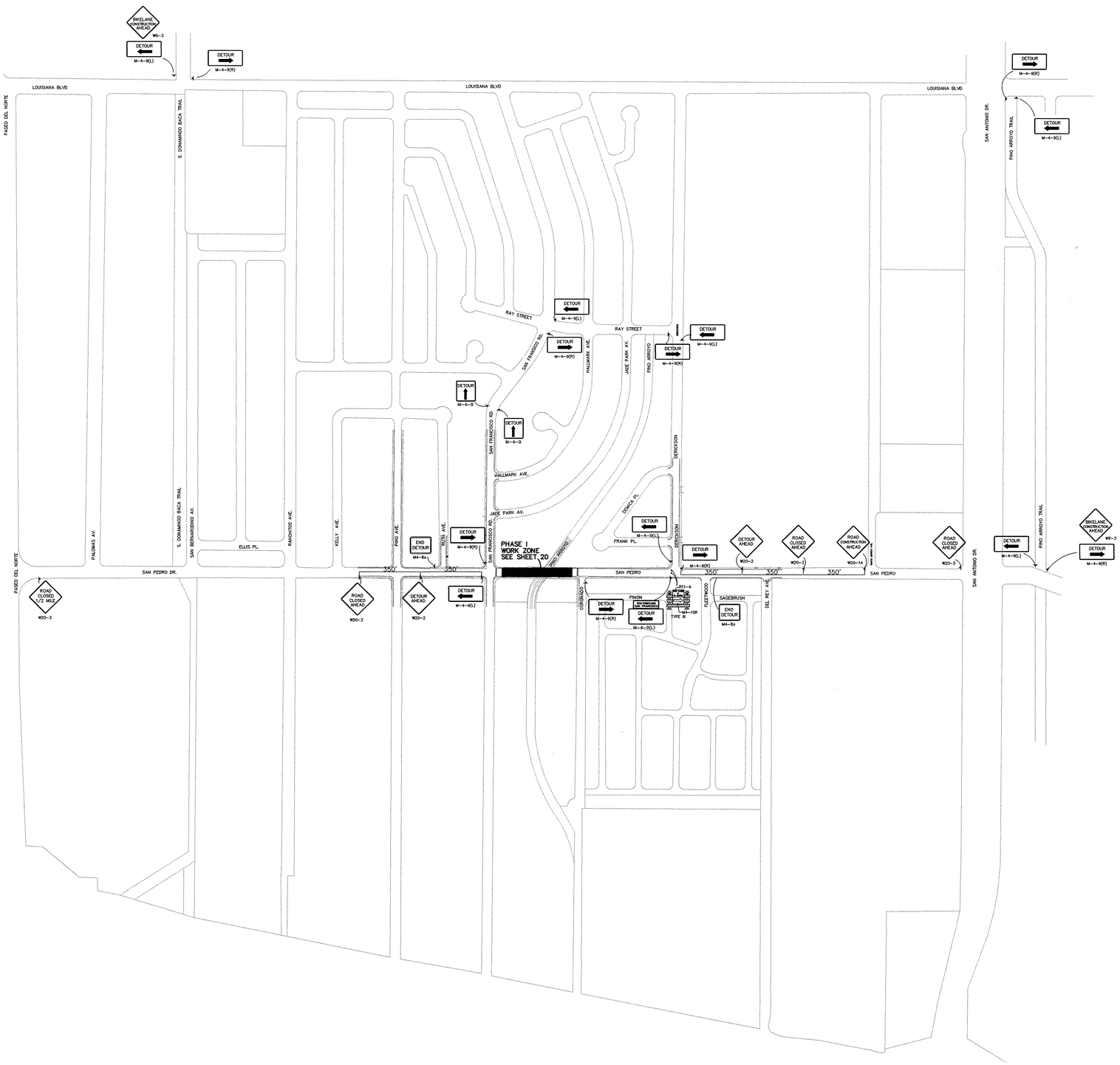
Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. 716802 | Zone Map No. D-18 | Sheet 18B Of 24

04/22/2005 10:49:36 AM

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RECORD DRAWINGS



SAN PEDRO DRIVE
PHASE I OVERALL

SCALE:
HOR.: 1"=300'

TRAFFIC CONTROL NOTES PHASE I:

1. THE CONTRACTOR IS ALLOWED A ROAD CLOSURE ON SAN PEDRO DR. FROM 7:00 P.M. FRIDAY THROUGH 5:00 A.M. MONDAY FOR CONSTRUCTION OF THE 54" AND 60" DIAMETER STORM DRAINS ACROSS THE LANES OF SAN PEDRO DR. TRENCH BOX CONSTRCTION MAY BE REQUIRED.
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3. CONTRACTOR SHALL MAINTAIN 11 FEET (MINIMUM) DRIVING LANES AT ALL TIMES.
4. CONTRACTOR SHALL INSTALL TEMPORARY STRIPING AS REQUIRED TO FACILITATE LANE DESIGNATIONS DURING CONSTRUCTION.

LEGEND

- VERTICAL PANEL
- TRAFFIC CONTROL SIGN
- TT TYPE III BARRICADE

AS BUILT INFORMATION
CONTRACTOR Sair Brothers
WORK STAKED BY Carlsbad Surveys Inc. DATE 9/2/05
INSPECTORS ACCEPTANCE BY SEE DATE 9/2/05
FIELD VERIFICATION BY Carlsbad Surveys Inc. DATE 9/2/05
DRAWINGS CHANGED BY SEE DATE 9/2/05
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
NMSHC BRASS TABLET STAMPED "25-14, 1969"
LOCATED AT THE NMDOT DISTRICT
3 OFFICES DRIVEWAY ON THE I-25
EAST FRONTAGE ROAD
X= 399,828.26 Y= 1,514,860.92
G-C= 0.99966298
ΔX= 011'35"
(NAD 1927/SLD 1929)
ELEVATION= 5196.73

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEERS SEAL
STATE OF NEW MEXICO 9677 REGISTERED PROFESSIONAL ENGINEER
10-18-04

REVISIONS
NO. DATE REMARKS BY
DESIGN
DESIGNED BY DBT DATE 10/1/04
DRAWN BY DEM DATE 10/1/04
CHECKED BY DBT DATE 10/1/04

Thompson Engineering Consultants, Inc.
tecnm@yahoo.com
4800 JUAN TABO NE., SUITE C ALBUQUERQUE, NEW MEXICO 87111 PHONE: (505) 271-2199 FAX: (505) 237-8422

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
STORM DRAIN DESIGN DIVISION

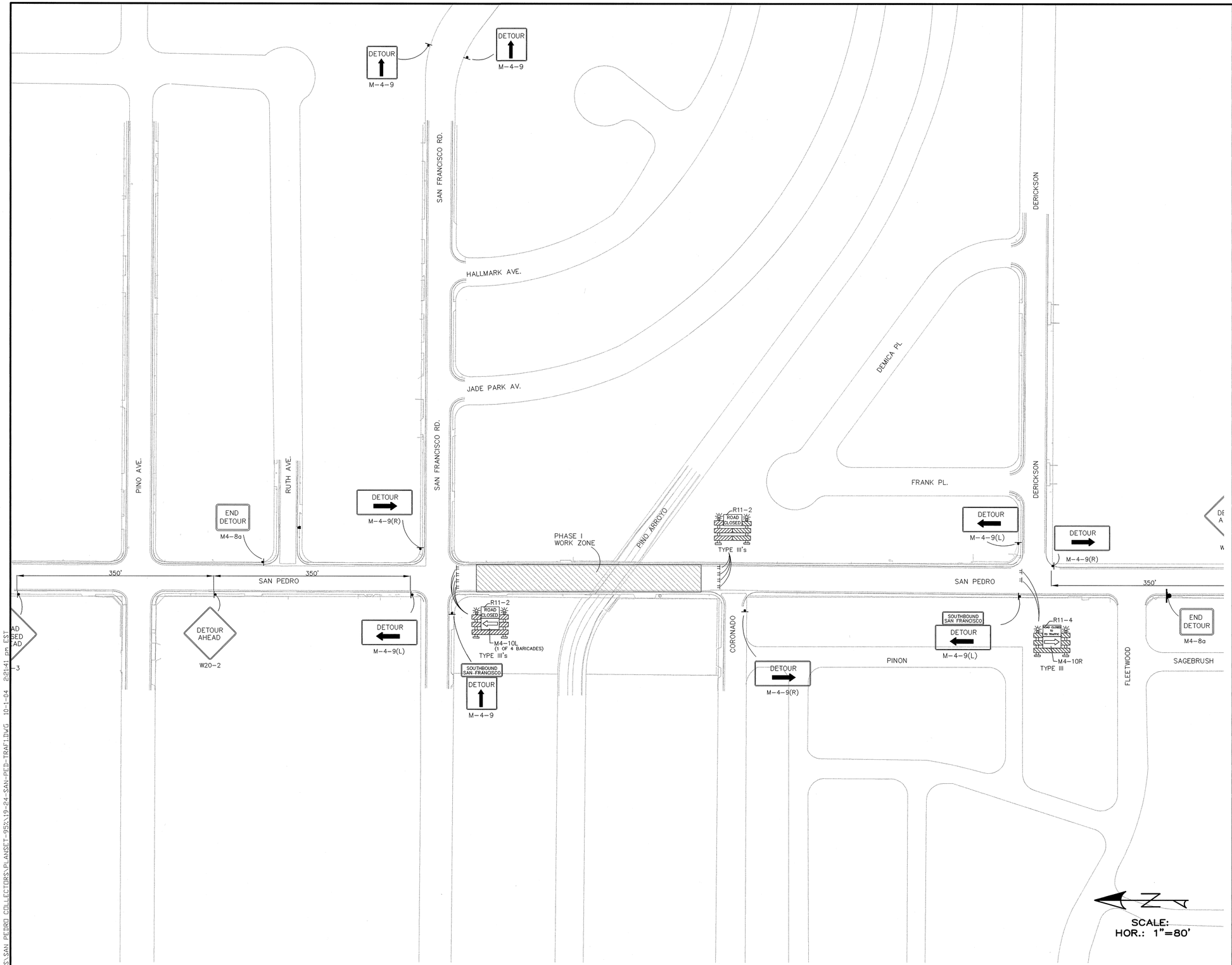
SAN PEDRO COLLECTORS TO THE NORTH PINO ARROYO
TRAFFIC CONTROL PHASE I OVERALL

Design Review Committee: APPROVED OCT 20 2004 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED OCT 20 2004 CITY ENGINEER
Last Design Update: No. / Day / Yr. / No. / Day / Yr.

City Project No. 716802 | Zone Map No. D-18 | Sheet No. | Drawing No. 19 of 24

Z:\PROJECTS\SAN PEDRO COLLECTORS\PLANSET-95X\19-24-SAN-PED-TRAFI.DWG 10-1-04 2:21:41 pm EST

RECORD DRAWINGS



SAN PEDRO DRIVE
PHASE I WORKZONE

TRAFFIC CONTROL NOTES PHASE I:

1. THE CONTRACTOR IS ALLOWED A ROAD CLOSURE ON SAN PEDRO DR. FROM 7:00 P.M. FRIDAY THROUGH 5:00 A.M. MONDAY FOR CONSTRUCTION OF THE 54" AND 60" DIAMETER STORM DRAINS ACROSS THE LANES OF SAN PEDRO DR. TRENCH BOX CONSTRCTION MAY BE REQUIRED.
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LEGEND

- • VERTICAL PANEL
- TRAFFIC CONTROL SIGN
- TT TYPE III BARRICADE

AS BUILT INFORMATION

CONTRACTOR Sous Brothers DATE 9/9/05
WORK STAKED BY Cartesian Surveys Inc. DATE 9/9/05
INSPECTORS ACCEPTANCE BY Sca DATE 9/9/05
FIELD VERIFICATION BY Cartesian Surveys Inc. DATE 9/9/05
DRAWINGS CHANGED BY Sca DATE 9/9/05
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

NMSHC BRASS TABLET STAMPED "125-14, 1969"
LOCATED AT THE NMDOT DISTRICT
3 OFFICES DRIVEWAY ON THE I-25
EAST FRONTAGE ROAD
X= 399,828.26 Y= 1,514,860.92
G-C= 0.99966298
ΔX= 01°11'35"
(NAD 1927/SLD 1929)
ELEVATION= 5196.73

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEERS SEAL

NEW MEXICO REGISTERED PROFESSIONAL ENGINEER 9677 DAVID B. THOMPSON

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY DBT DATE 10/1/04
DRAWN BY DEM DATE 10/1/04
CHECKED BY DBT DATE 10/1/04

Thompson Engineering Consultants, Inc.
tecnm@yahoo.com
4600 JUAN TABO NE. SUITE C PHONE: (505) 271-2199
ALBUQUERQUE, NEW MEXICO 87111 FAX: (505) 237-8422

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
STORM DRAIN DESIGN DIVISION

SAN PEDRO COLLECTORS TO THE NORTH PINO ARROYO
TRAFFIC CONTROL PHASE I WORKZONE

Design Review Committee	City Engineer Approval	Last Design Update	No. / Day / Yr.	No. / Day / Yr.
APPROVED OCT 20 2004 DESIGN REVIEW COMMITTEE	APPROVED OCT 20 2004 CITY ENGINEER			

City Project No. 716802 | Zone Map No. D-18 | Sheet No. | Drawing No. 20 of 24

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SAN PEDRO DRIVE
PHASE II OVERALL

SCALE:
HOR.: 1"=300'

TRAFFIC CONTROL NOTES PHASE I:

1. THE CONTRACTOR IS ALLOWED A ROAD CLOSURE ON SAN PEDRO DR. FROM 7:00 P.M. FRIDAY THROUGH 5:00 A.M. MONDAY FOR CONSTRUCTION OF THE 54" AND 60" DIAMETER STORM DRAINS ACROSS THE LANES OF SAN PEDRO DR. TRENCH BOX CONSTRCTION MAY BE REQUIRED.
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LEGEND

- • VERTICAL PANEL
- TRAFFIC CONTROL SIGN
- TT TYPE III BARRICADE

AS BUILT INFORMATION
CONTRACTOR Luis Barreras DATE 10/6/04
WORK STAKED BY Cartesian Surveys Inc. DATE 10/6/04
INSPECTOR'S ACCEPTANCE BY Sze DATE 10/6/04
AS-BUILT VERIFICATION BY Cartesian Surveys Inc. DATE 10/6/04
AS-BUILT CORRECTED BY Sze DATE 10/6/04
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
NMSHC BRASS TABLET STAMPED "125-14, 1969"
LOCATED AT THE NMDOT DISTRICT
3 OFFICES DRIVEWAY ON THE I-25
EAST FRONTAGE ROAD
X= 399,828.26 Y= 1,514,860.92
G-C= 0.99966298
ΔX= 0°11'35"
(NAD 1927/SLD 1929)
ELEVATION= 5196.73

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEERS SEAL
OSCAR D. THOMPSON 9677 REGISTERED PROFESSIONAL ENGINEER 10-18-04

REVISIONS
NO. DATE REMARKS BY
DESIGN DESIGNED BY DBT DATE 10/1/04
DRAWN BY DEM DATE 10/1/04
CHECKED BY DBT DATE 10/1/04

Thompson Engineering Consultants, Inc.
tecnm@yahoo.com
4600 JUAN TABO NE. SUITE C PHONE: (505) 271-2199
ALBUQUERQUE, NEW MEXICO 87111 FAX: (505) 237-8422

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
STORM DRAIN DESIGN DIVISION

SAN PEDRO COLLECTORS TO THE NORTH PINO ARROYO
TRAFFIC CONTROL PHASE II OVERALL

Design Review Committee: APPROVED OCT 20 2004 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED OCT 20 2004 CITY ENGINEER
Last Design Update: No. / Day / Yr. | No. / Day / Yr.

City Project No. 716802 | Zone Map No. D-18 | Sheet No. | Drawing No. 21 of 24

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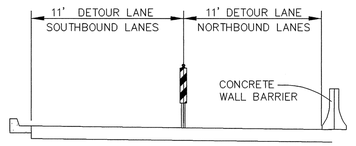
RECORD DRAWINGS

TRAFFIC CONTROL NOTES PHASE I:

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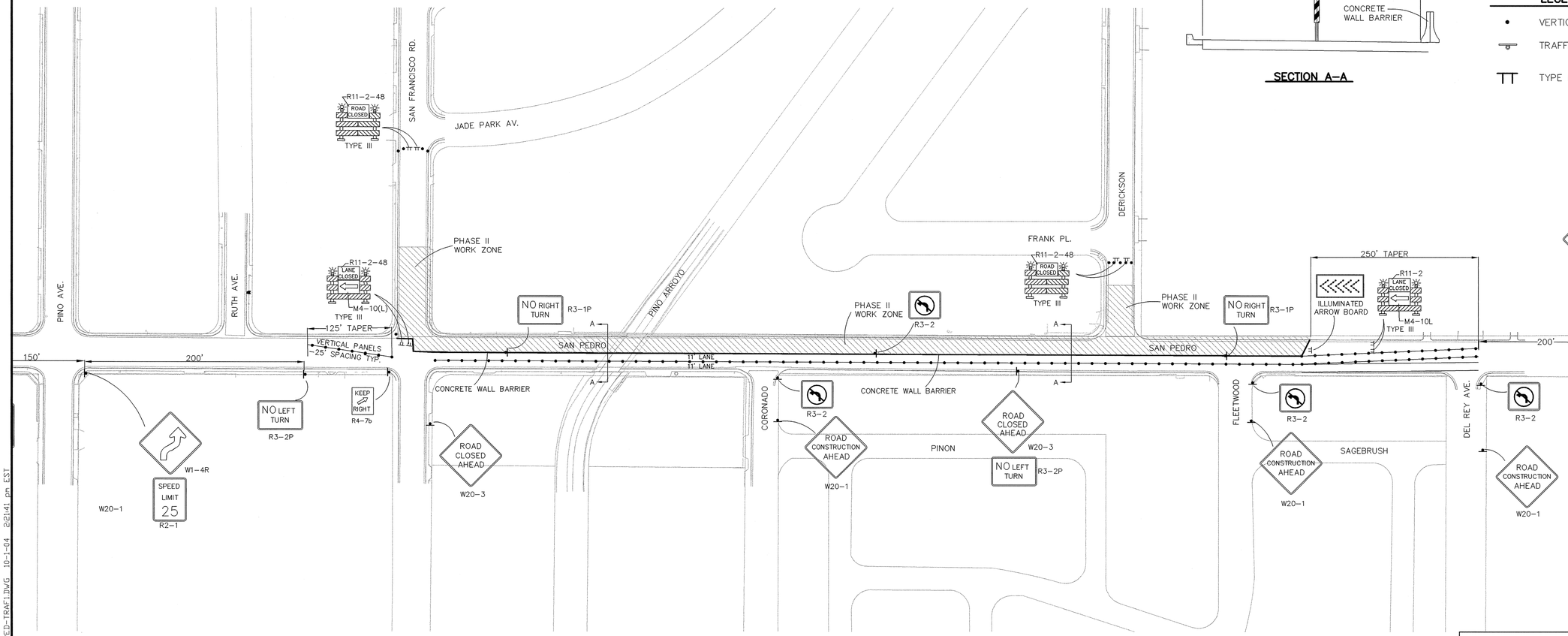
VERTICAL PANEL



SECTION A-A

LEGEND

- • VERTICAL PANEL
- TRAFFIC CONTROL SIGN
- TT TYPE III BARRICADE



SCALE:
HOR.: 1"=80'

SAN PEDRO DRIVE
PHASE II WORKZONE

SURVEY INFORMATION
FIELD NOTES BY DATE

AS BUILT INFORMATION
CONTRACTOR Chas Brenners DATE 10-7-04
WORK STAKED BY Cartesian Surveys Inc. DATE 10-7-04
INSPECTOR'S ACCEPTANCE BY See DATE 10-7-04
FIELD VERIFICATION BY Cartesian Surveys INC. DATE 10-7-04
DRAWINGS CORRECTED BY See DATE 10-7-04
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
NMSHC BRASS TABLET STAMPED "125-14, 1969"
LOCATED AT THE NMDOT DISTRICT
3 OFFICES DRIVEWAY ON THE I-25
EAST FRONTAGE ROAD
X= 399,828.26 Y= 1,514,860.92
G-C= 0.99966298
ΔX= 0°11'35"
(NAD 1927/SLD 1929)
ELEVATION= 5196.73

ENGINEERS SEAL
NEW MEXICO REGISTERED PROFESSIONAL ENGINEER 9877
10-7-04

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	DBT 10/1/04
		DESIGNED BY	DBT
		DRAWN BY	DEM 10/1/04
		CHECKED BY	DBT 10/1/04

Thompson Engineering Consultants, Inc.
tecnm@yahoo.com
4800 JUAN TABO NE. SUITE C PHONE: (505) 271-2199
ALBUQUERQUE, NEW MEXICO 87111 FAX: (505) 237-8422

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
STORM DRAIN DESIGN DIVISION

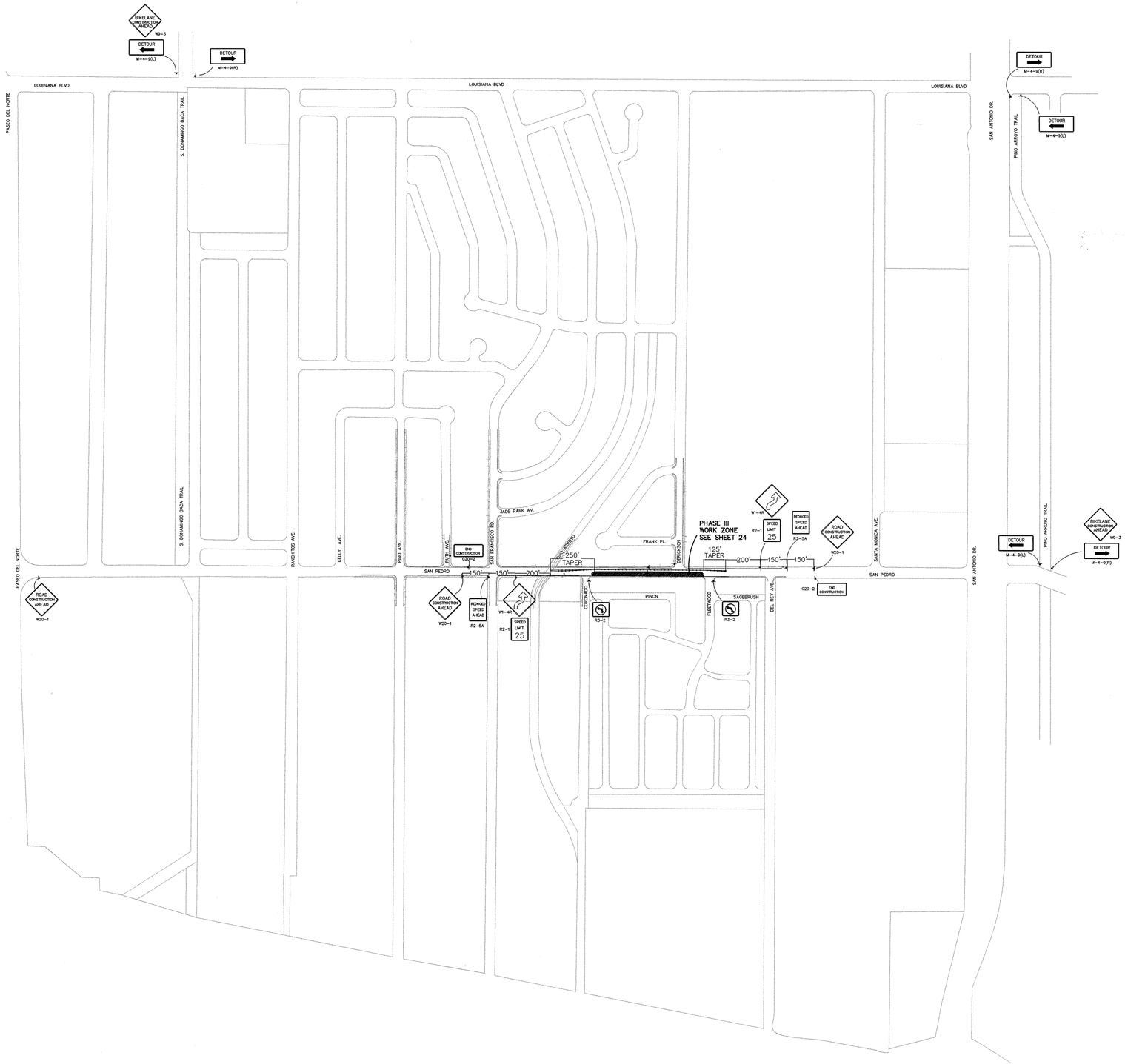
SAN PEDRO COLLECTORS TO THE NORTH PINO ARROYO
TRAFFIC CONTROL PHASE II WORKZONE

Design Review Committee: APPROVED OCT 20 2004 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED OCT 20 2004 CITY ENGINEER
Last Design Update: No. / Day / Yr. | No. / Day / Yr.

City Project No.	Zone Map No.	Sheet No.	Drawing No.
716802	D-18		22 of 24

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RECORD DRAWINGS



SAN PEDRO DRIVE
PHASE III OVERALL

SCALE:
HOR.: 1"=300'

TRAFFIC CONTROL NOTES PHASE I:

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LEGEND

- • VERTICAL PANEL
- TRAFFIC CONTROL SIGN
- TT TYPE III BARRICADE

SURVEY INFORMATION
FIELD NOTES BY: DATE:

BENCH MARKS
NMSHC BRASS TABLET STAMPED "125–14, 1969"
LOCATED AT THE NMDOT DISTRICT 3 OFFICES DRIVEWAY ON THE I–25 EAST FRONTAGE ROAD
X= 399,828.26 Y= 1,514,860.92
G–C= 0.99966298
△X= 0°11'35"
(NAD 1927/SLD 1929)
ELEVATION= 5196.73'

AS BUILT INFORMATION
CONTRACTOR: Saul Ramirez DATE: 9/9/04
STAKED BY: Cartesian Surveys Inc.
INSPECTOR'S FIELD VERIFICATION BY: Cartesian Surveys Inc. DATE: 9/9/04
DRAWINGS CORRECTED BY: Saul DATE: 9/9/04
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEERS SEAL
STATE OF NEW MEXICO 9877 REGISTERED PROFESSIONAL ENGINEER
10-8-04

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	DBT 10/1/04
			DEM 10/1/04
			DBT 10/1/04

Thompson Engineering Consultants, Inc.
tecnm@yahoo.com
4800 JUAN TABO NE, SUITE C PHONE: (505) 271-2199
ALBUQUERQUE, NEW MEXICO 87111 FAX: (505) 237-8422

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
STORM DRAIN DESIGN DIVISION

SAN PEDRO COLLECTORS TO THE NORTH PINO ARROYO
TRAFFIC CONTROL PHASE III OVERALL

Design Review Committee	City Engineer Approval	Last Design Update	No. / Day / Yr.	No. / Day / Yr.
APPROVED OCT 20 2004 DESIGN REVIEW COMMITTEE	APPROVED OCT 20 2004 CITY ENGINEER			

City Project No. 716802 | Zone Map No. D-18 | Sheet No. | Drawing No. 23 of 24

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RECORD DRAWINGS

TRAFFIC CONTROL NOTES PHASE I:

1. THE CONTRACTOR IS ALLOWED A ROAD CLOSURE ON SAN PEDRO DR. FROM 7:00 P.M. FRIDAY THROUGH 5:00 A.M. MONDAY FOR CONSTRUCTION OF THE 54" AND 60" DIAMETER STORM DRAINS ACROSS THE LANES OF SAN PEDRO DR. TRENCH BOX CONSTRCTION MAY BE REQUIRED.
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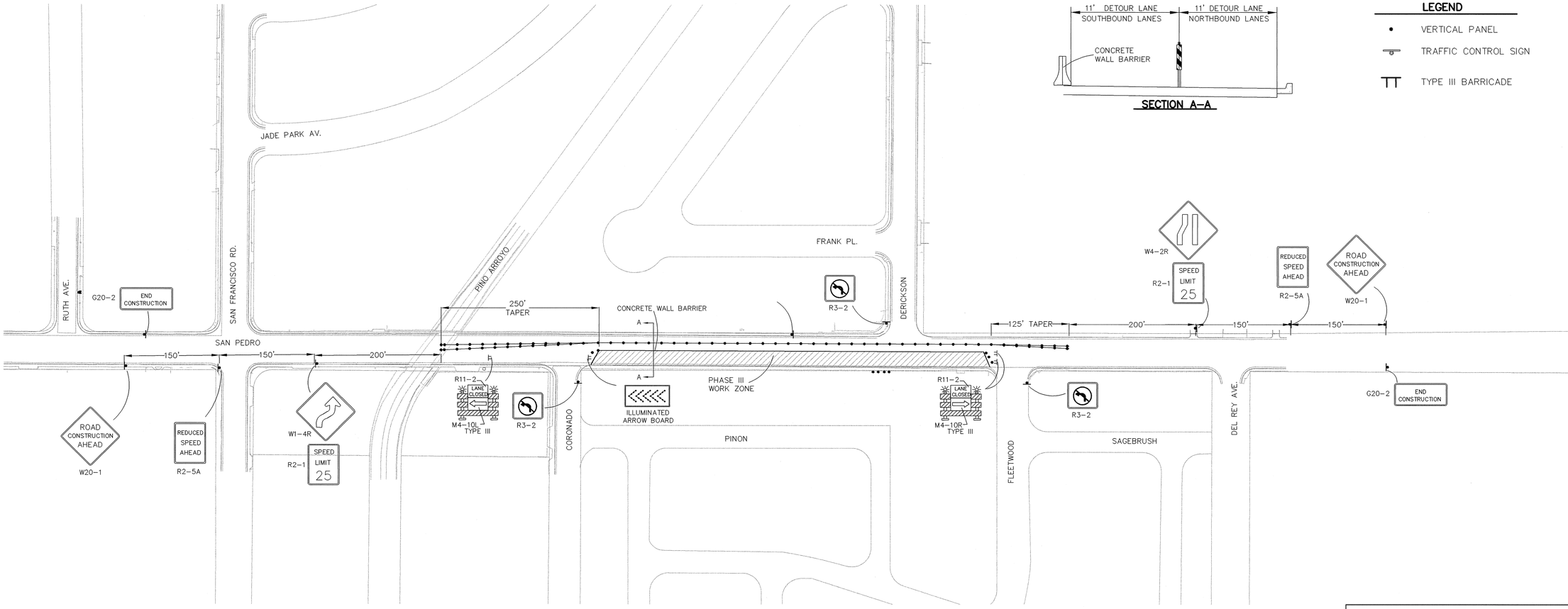


VERTICAL PANEL

SECTION A-A

LEGEND

- • VERTICAL PANEL
- TRAFFIC CONTROL SIGN
- TT TYPE III BARRICADE



SCALE:
HOR.: 1"=80'

SAN PEDRO DRIVE
PHASE III WORKZONE

AS BUILT INFORMATION

CONTRACTOR Soil Surveys DATE 9-16-05
WORK STAKED BY Cartesian Surveys Inc. DATE 9-16-05
INSPECTORS ACCEPTANCE BY See DATE 9-16-05
FIELD VERIFICATION BY Cartesian Surveys Inc. DATE 9-16-05
DRAWINGS CHECKED BY See DATE 9-16-05
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

NMSHC BRASS TABLET STAMPED "125-14, 1969"
LOCATED AT THE NMDOT DISTRICT
3 OFFICES DRIVEWAY ON THE I-25
EAST FRONTAGE ROAD
X= 399,828.26 Y= 1,514,860.92
G-C= 0.99966298
ΔX= 011'35"
(NAD 1927/SLD 1929)
ELEVATION= 5196.73

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	DBT 10/1/04
		DRAWN	DEM 10/1/04
		CHECKED	DBT 10/1/04

Thompson Engineering Consultants, Inc.
tecnm@yahoo.com
4600 JUAN TABO NE, SUITE C PHONE: (505) 271-2199
ALBUQUERQUE, NEW MEXICO 87111 FAX: (505) 237-5422

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
STORM DRAIN DESIGN DIVISION

SAN PEDRO COLLECTORS TO THE NORTH PINO ARROYO
TRAFFIC CONTROL PHASE III WORKZONE

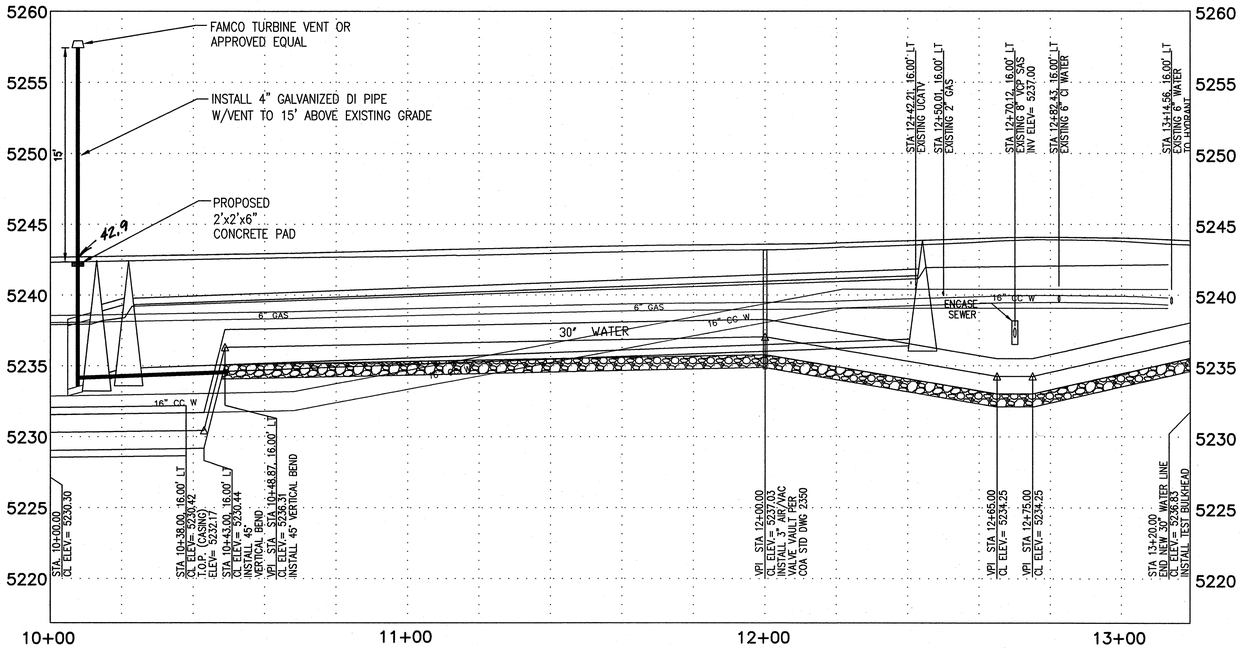
Design Review Committee: APPROVED OCT 20 2004 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED OCT 20 2004 CITY ENGINEER
Last Design Update

No. / Day / Yr.	No. / Day / Yr.

City Project No. 716802 | Zone Map No. D-18 | Sheet No. | Drawing No. 24 of 24

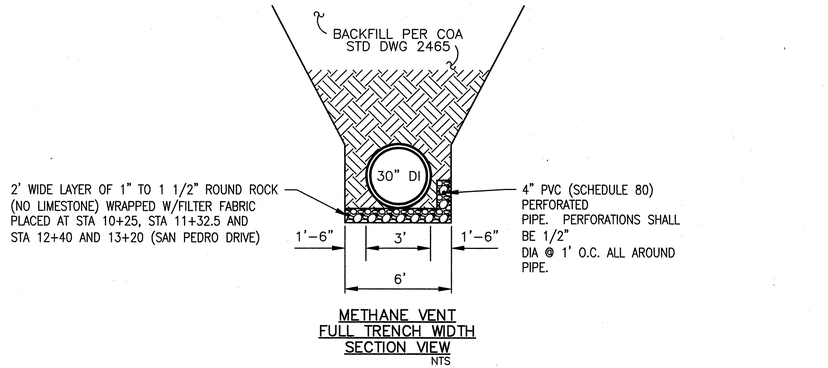
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RECORD DRAWINGS



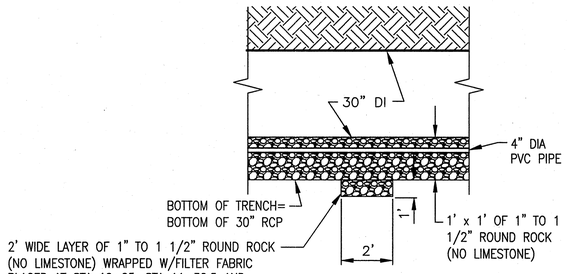
VERTICAL METHANE GAS VENT PIPE DETAIL

SCALE: HORIZ. 1" = 20'
VERT. 1" = 5'



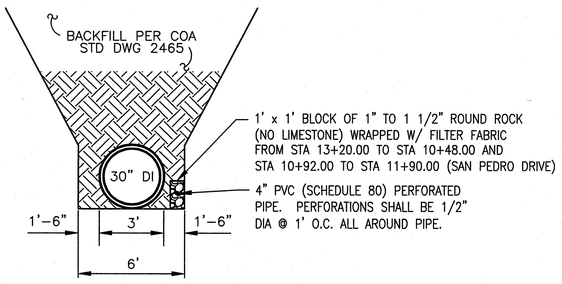
METHANE VENT FULL TRENCH WIDTH SECTION VIEW

NTS



METHANE VENT DETAIL SIDE VIEW

NTS



METHANE VENT DETAIL SECTION VIEW

NTS

CERTIFICATION
THE CHANGES SHOWN HEREON, MARKED BY AN ASTERISK, ARE BASED UPON A FIELD SURVEY CONDUCTED BY ME OR UNDER MY SUPERVISION AND REFLECT THE LOCATIONS (VERTICAL AND HORIZONTAL) TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Will Fletcher Jr.

GENERAL NOTES:

1. IF TRASH IS ENCOUNTERED DURING THE INSTALLATION OF THE PROPOSED STORM DRAIN FACILITIES OR WATER LINE FACILITIES THE TRASH WITHIN THE TRENCH PRISM / AREA MUST BE DISPOSED OF AT A LANDFILL REGISTERED / LICENSED WITH THE STATE OF NEW MEXICO.
2. IF TRASH IS ENCOUNTERED, CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL TRASH LOCATED UNDER ANY PROPOSED PIPING (STORM DRAIN OR WATERLINE) TO THE DEPTH OF FIVE (5) FEET (BELOW THE BOTTOM OF THE PROPOSED PIPE). CONTRACTOR SHALL REPLACE THE VOIDED AREA LEFT FROM THE TRASH REMOVAL WITH SUITABLE MATERIAL. THE SUITABLE MATERIAL SHALL BE COMPACTED IN EIGHT (8) INCH LIFTS TO 90% PER ASTM-D-1557. PLACEMENT AND COMPACTION OF THE SUITABLE MATERIAL UNDER THE PROPOSED PIPES SHALL BE CONSIDERED INCIDENTAL TO TRASH REMOVAL AND DISPOSAL AND NO SEPARATE OR ADDITIONAL PAYMENT WILL BE MADE.
3. VINYARD & ASSOCIATES SHALL BE NOTIFIED DURING INSTALLATION OF ANY WORK ON THE METHANE PIPE AND GRAVEL SYSTEMS.
4. HEALTH AND SAFETY NOTE:
   THIS PROJECT IS BEING PERFORMED NEAR A FORMER LANDFILL. THE CONTRACTOR IS RESPONSIBLE FOR THE HEALTH AND SAFETY PLAN BEING PREPARED ACCORDING TO OSHA 1910.120. COSTS ASSOCIATED WITH THE HEALTH AND SAFETY PLAN SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

DISCLOSURE STATEMENT:
"THE SUBJECT PROPERTY IS LOCATED NEAR A FORMER, LANDFILL. DUE TO THE SUBJECT PROPERTY BEING NEAR A FORMER LANDFILL, CERTAIN PRECAUTIONARY MEASURES MAY NEED TO BE TAKEN TO ENSURE THE HEALTH AND SAFETY OF THE PUBLIC. RECOMMENDATIONS MADE BY A PROFESSIONAL ENGINEER WITH EXPERTISE IN LANDFILLS AND LANDFILL GAS ISSUES (AS REQUIRED BY THE MOST CURRENT VERSION OF THE "INTERIM GUIDELINES FOR DEVELOPMENT WITHIN CITY DESIGNATED LANDFILL BUFFER ZONES") SHALL BE CONSULTED PRIOR TO DEVELOPMENT OF THE SITE."

APPROVED FOR CONSTRUCTION

WITNESS IVC. FOR AEND 06-06-05

MARCIA PINCUS, P.E. DATE
ENVIRONMENTAL HEALTH DEPARTMENT
CITY OF ALBUQUERQUE

AS BUILT INFORMATION
CONTRACTOR Saul Barnes DATE 9/2/06
WORK STAKED BY Cartesian Surveys Inc. DATE 9/2/06
INSPECTOR'S ACCEPTANCE BY See DATE 9/2/06
AS BUILTS VERIFICATION BY Cartesian Surveys Inc. DATE 9/2/06
CORRECTED BY See DATE 12/2/06
MICRO-FILM INFORMATION
RECORDED BY DATE
NO. DATE

BENCH MARKS
NMSHC BRASS TABLET STAMPED "125-14, 1969" LOCATED AT THE NMDOT DISTRICT 3 OFFICES DRIVEWAY ON THE I-25 EAST FRONTAGE ROAD
X= 399,828.26 Y= 1,514,860.92
G-C= 0.99966298
Δ X= 0°11'35"
(NAD 1927/SLD 1929)
ELEVATION= 5196.73

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
REGISTERED PROFESSIONAL ENGINEER STATE OF NEW MEXICO No. 4856 6-02-05 DAVID J. LANDRUM

REVISIONS
NO. DATE REMARKS BY
DESIGN
DESIGNED BY: M.T. DATE: MAY 2005
DRAWN BY: J.L.M. DATE: MAY 2005
CHECKED BY: D.J.L. DATE: MAY 2005

MARTIN B. TRUJILLO NEW MEXICO 9281 REGISTERED PROFESSIONAL ENGINEER

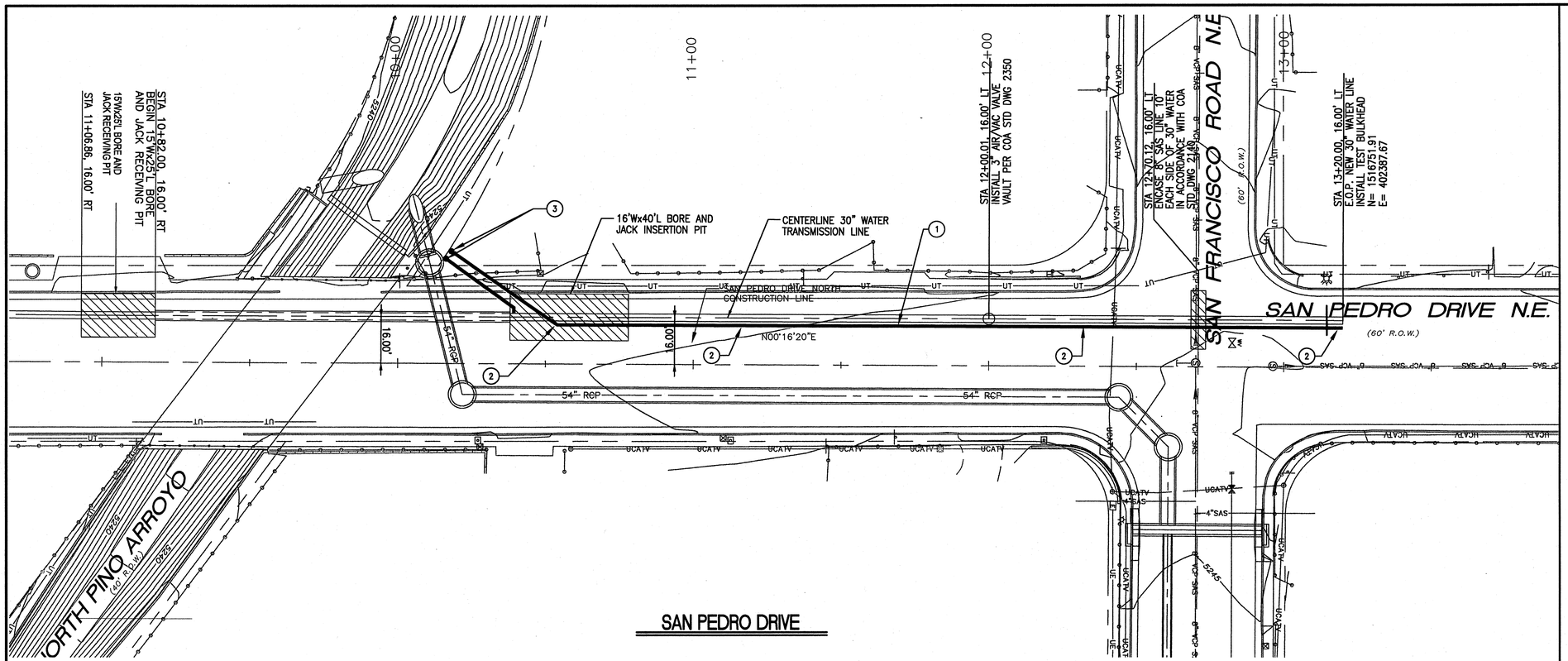
DMJMH+N

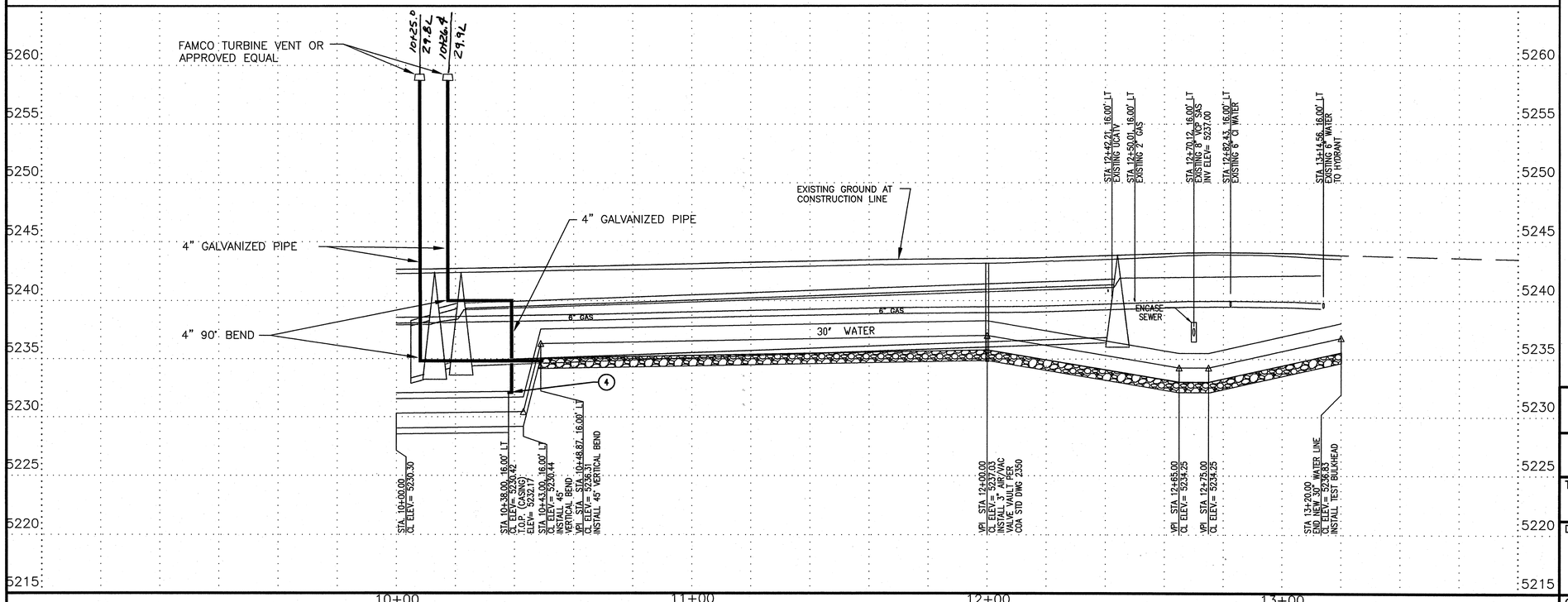
CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
STORM DRAIN DESIGN DIVISION

TITLE: SAN PEDRO COLLECTORS TO THE NORTH PINO ARROYO
METHANE GAS VENT NOTES AND DETAILS

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

City Project No. 716802 | Zone Map No. D-18 | Sheet 25 Of 27





KEY NOTES

1. INSTALL 4" PERFORATED PIPE AND ROUND ROCK WRAPPED WITH FILTER FABRIC. SEE DETAIL ON SHEET 25.
2. INSTALL FULL TRENCH WIDTH SECTION VIEW. SEE DETAIL ON SHEET 25.
3. INSTALL 4" GALVANIZED METHANE GAS VENT. SEE DETAIL ON SHEET 25.
4. INSERT 4" GALVANIZED PIPE BETWEEN CASING AND END SEAL. SEAL PENETRATION WITH CAULK.

CERTIFICATION
THE CHANGES SHOWN HEREON, MARKED BY AN ASTERISK, ARE BASED UPON A FIELD SURVEY CONDUCTED BY ME OR UNDER MY SUPERVISION AND REFLECT THE LOCATIONS (VERTICAL AND HORIZONTAL) TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Will Platner Jr.

GENERAL NOTES:

1. SEE GENERAL NOTES ON SHEET 25.

AS BUILT INFORMATION
CONTRACTOR Sais Brothers
WORK STAKED BY: Cartesian Surveys Inc. DATE 2/2005
CONSTRUCTION STAKES ACCEPTANCE BY Sais DATE 2/2005
VERIFICATION BY Cartesian Surveys Inc. DATE 2/2005
DRAWINGS CORRECTED BY: Sais DATE 2/2005
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
LOCATED AT THE NMDOT DISTRICT 3 OFFICES DRIVEWAY ON THE I-25 EAST FRONTAGE ROAD
X= 399,828.26 Y= 1,514,860.92
G-C= 0.99966298
Δ X= 0°11'35"
(NAD 1927/SLD 1929)
ELEVATION= 5196.73

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
REGISTERED PROFESSIONAL ENGINEER STATE OF NEW MEXICO NO. 14836 6-02-05 DAVID J. LABRON

MARTIN D. VINYARD NEW MEXICO 8261 REGISTERED PROFESSIONAL ENGINEER 6-2-05

SCALE: 1" = 5'

SCALE: 1" = 20'

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	DESIGNED BY: M.T. DATE: MAY 2005
			DRAWN BY: J.L.M. DATE: MAY 2005
			CHECKED BY: D.J.L. DATE: MAY 2005

DMJMH+N

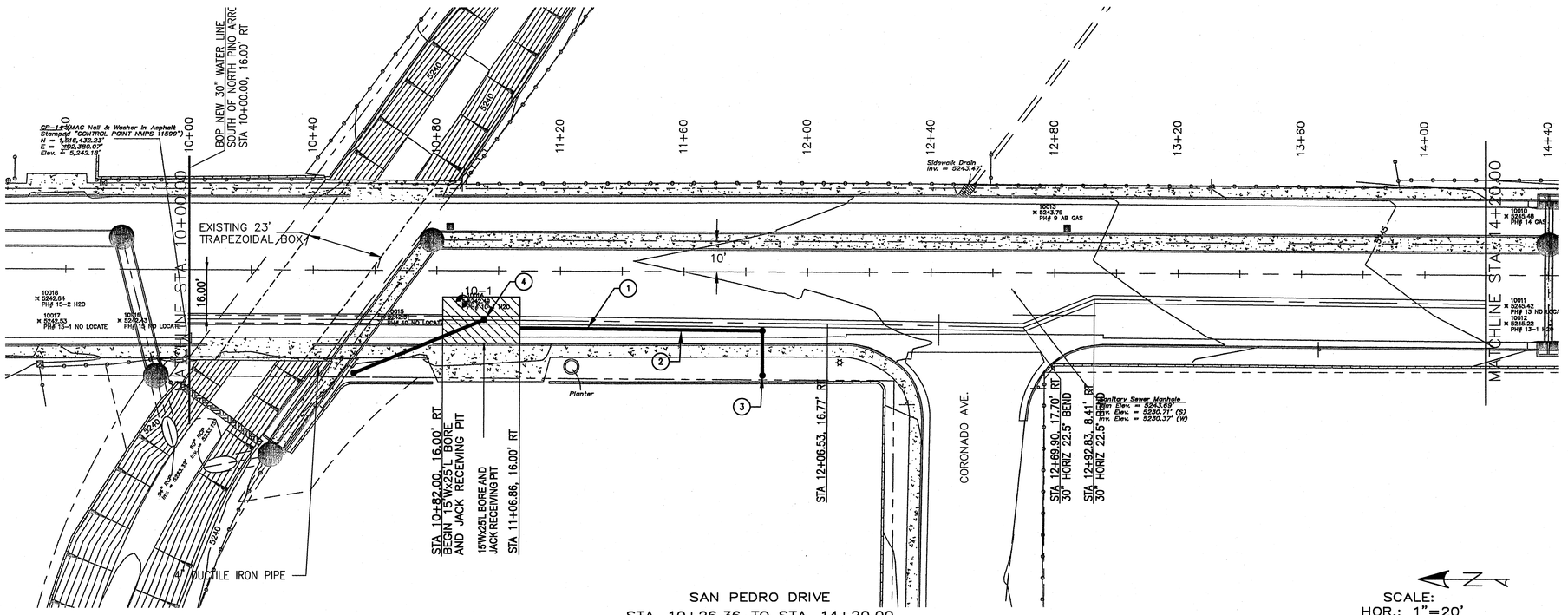
CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
STORM DRAIN DESIGN DIVISION

TITLE: SAN PEDRO COLLECTORS TO THE NORTH PINO ARROYO
4" METHANE GAS VENT PIPE PLAN AND PROFILE

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

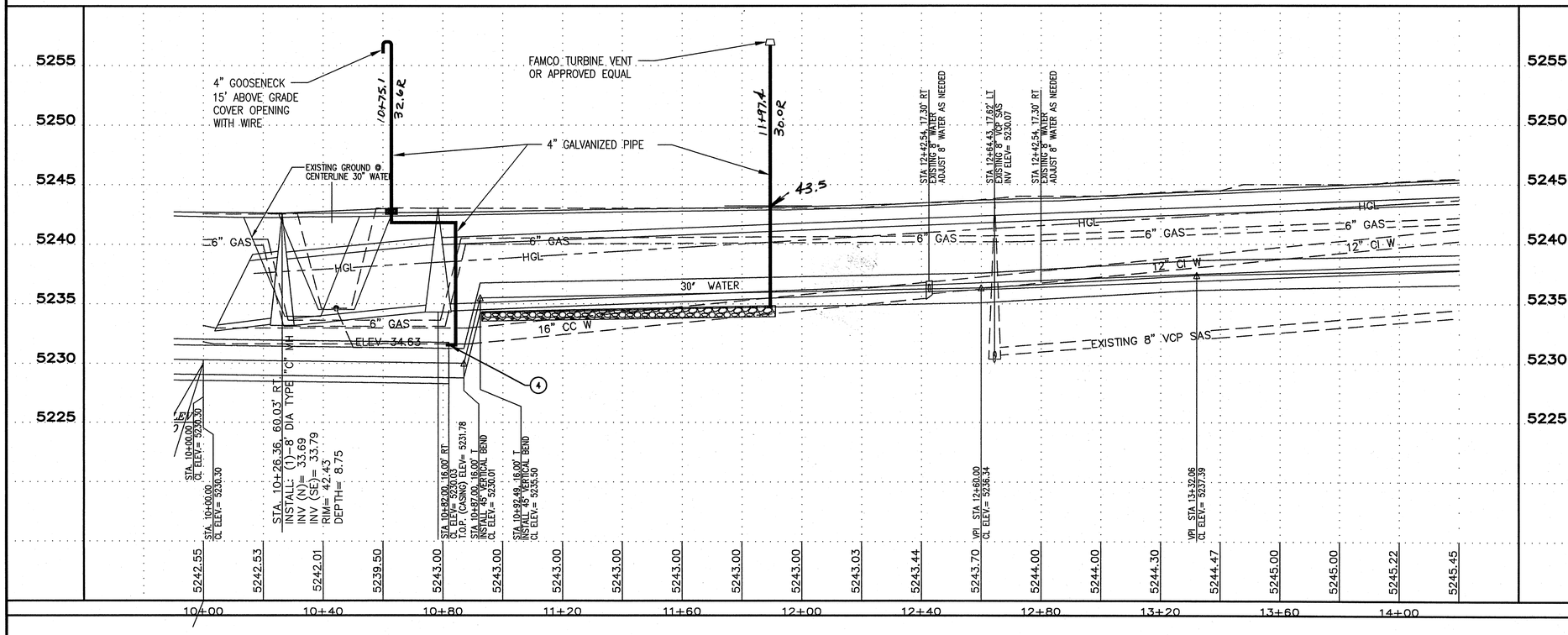
City Project No. 716802 | Zone Map No. D-18 | Sheet 26 Of 27

RECORD DRAWINGS



SAN PEDRO DRIVE
STA. 10+26.36 TO STA. 14+20.00

SCALE:
HOR.: 1"=20'
VER.: 1"=5'



KEY NOTES

1. INSTALL 4" PERFORATED PIPE AND ROUND ROCK WRAPPED WITH FILTER FABRIC. SEE DETAIL ON SHEET 25.
2. INSTALL FULL TRENCH WIDTH SECTION VIEW. SEE DETAIL ON SHEET 25.
3. INSTALL 4" GALVANIZED METHANE GAS VENT. SEE DETAIL ON SHEET 25.
4. INSERT 4" GALVANIZED PIPE BETWEEN CASING AND END SEAL. SEAL PENETRATION WITH CAULK.

CERTIFICATION
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Will Plotner Jr.

GENERAL NOTES:

1. SEE GENERAL NOTES ON SHEET 25.

AS BUILT INFORMATION
CONTRACTOR Shaw Brunson
WORK STAKED BY Cartesian Surveys Inc. DATE 7/2005
INSPECTORS
ACCEPTANCE BY SEC DATE 9/2005
VERIFICATION BY Cartesian Surveys Inc. DATE 9/2005
CORRECTED BY SEC DATE 12/2005
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
NMSHC BRASS TABLET STAMPED "125-14, 1969"
LOCATED AT THE NMDOT DISTRICT
3 OFFICES DRIVEWAY ON THE I-25
EAST FRONTAGE ROAD
X= 399,828.26 Y= 1,514,860.92
G-G= 0.99966298
ΔX= 0°11'35"
(NAD 1927/SLD 1929)
ELEVATION= 5196.73

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
REGISTERED PROFESSIONAL ENGINEER STATE OF NEW MEXICO No. 9856 DAVID J. LARROW 6-2-05

MARTIN D. VIDYARD NEW MEXICO 8261 REGISTERED PROFESSIONAL ENGINEER 6-2-05

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY: M.T.	DATE: MAY 2005
		DRAWN BY: J.L.M.	DATE: MAY 2005
		CHECKED BY: D.J.L.	DATE: MAY 2005

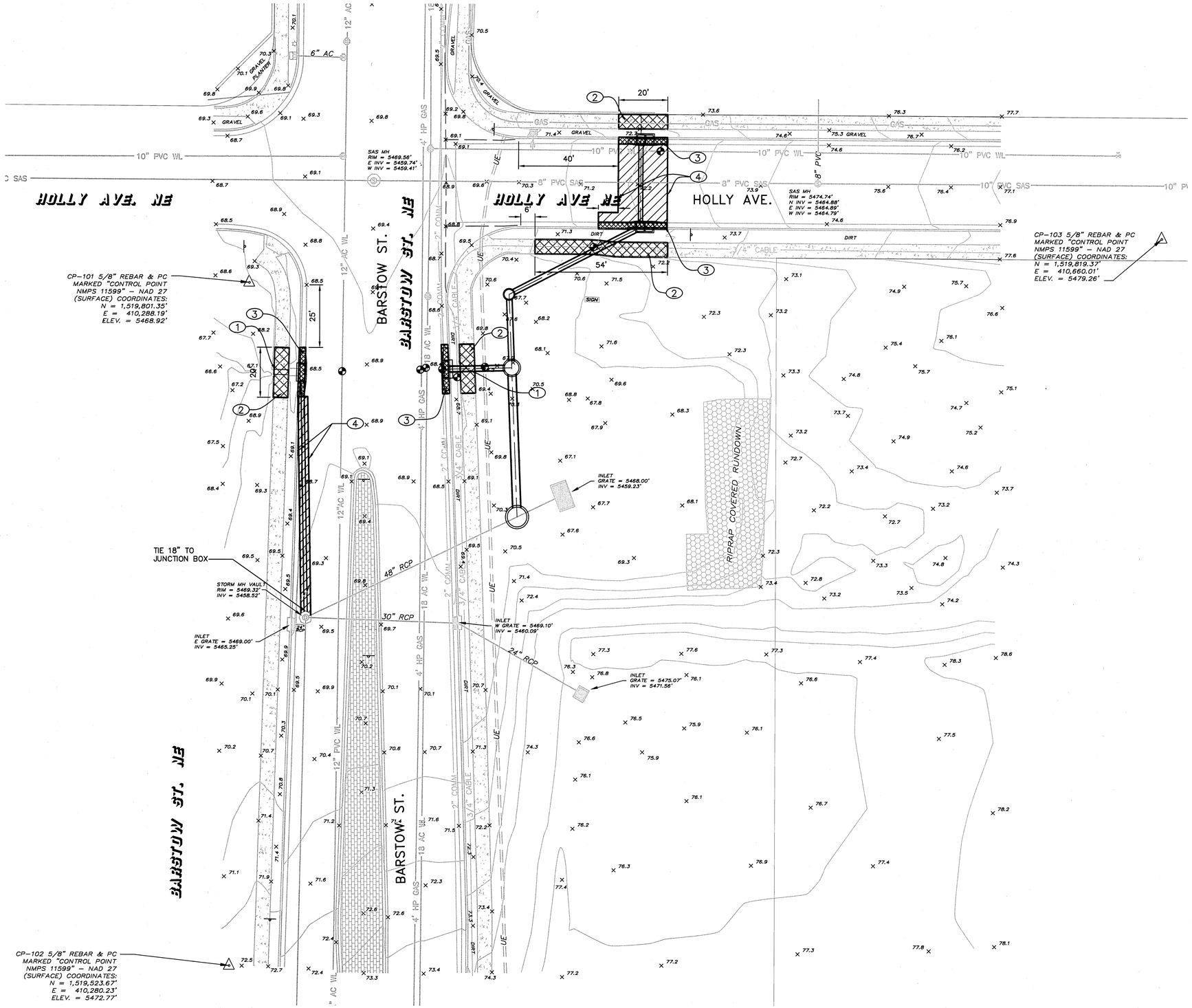
DMJMH+N

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
STORM DRAIN DESIGN DIVISION

TITLE: SAN PEDRO COLLECTORS TO THE NORTH PINO ARROYO
SAN PEDRO BOULEVARD – STA. B.O.P. TO STA. 14+20.00

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

City Project No. 716802 | Zone Map No. D-18 | Sheet 27 Of 27

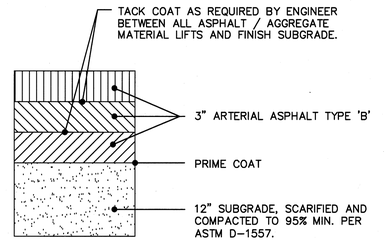


REMOVAL PLAN

SCALE: 1"=20'

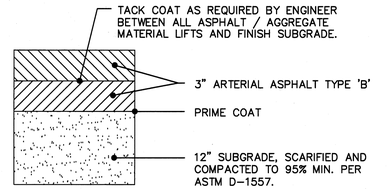
KEYED NOTES: ⬭

1. REMOVE & DISPOSE OF EXISTING SIDEWALK CULVERT.
2. REMOVE & DISPOSE OF AND REPLACE EXISTING CONCRETE SIDEWALK PER COA STD DWG 2430.
3. REMOVE & DISPOSE OF AND REPLACE EXISTING STANDARD CURB & GUTTER PER COA STD DWG 2415A.
4. REMOVE & DISPOSE OF AND REPLACE EXISTING ASPHALT PAVEMENT PER PAVEMENT SECTION SHOWN ON THIS SHEET. ALL STRIPING AND PAVEMENT MARKINGS REMOVED DUE TO THE CONSTRUCTION SHALL BE REPLACED.



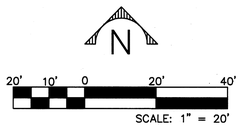
BARSTOW ST. PAVEMENT SECTION

N.T.S.



HOLLY AVE. PAVEMENT SECTION

N.T.S.



AS BUILT INFORMATION
CONTRACTOR Sam Andrews DATE 9/2/05
WORK STAKED BY Carlos Lopez DATE 9/2/05
INSPECTION OF ACCEPTANCE BY See DATE 9/2/05
FIELD LOCATION BY Jaime Soto DATE 9/2/05
DRAWINGS CORRECTED BY See DATE 9/2/05
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEERS SEAL
JAMES L. SMITH
NEW MEXICO
11771
REGISTERED PROFESSIONAL ENGINEER
10-4-05

NO.	DATE	REMARKS / REVISIONS	BY
		DESIGN	
		DESIGNED BY DLA	DATE 05/05
		DRAWN BY JP	DATE 05/05
		CHECKED BY DLA	DATE 05/05

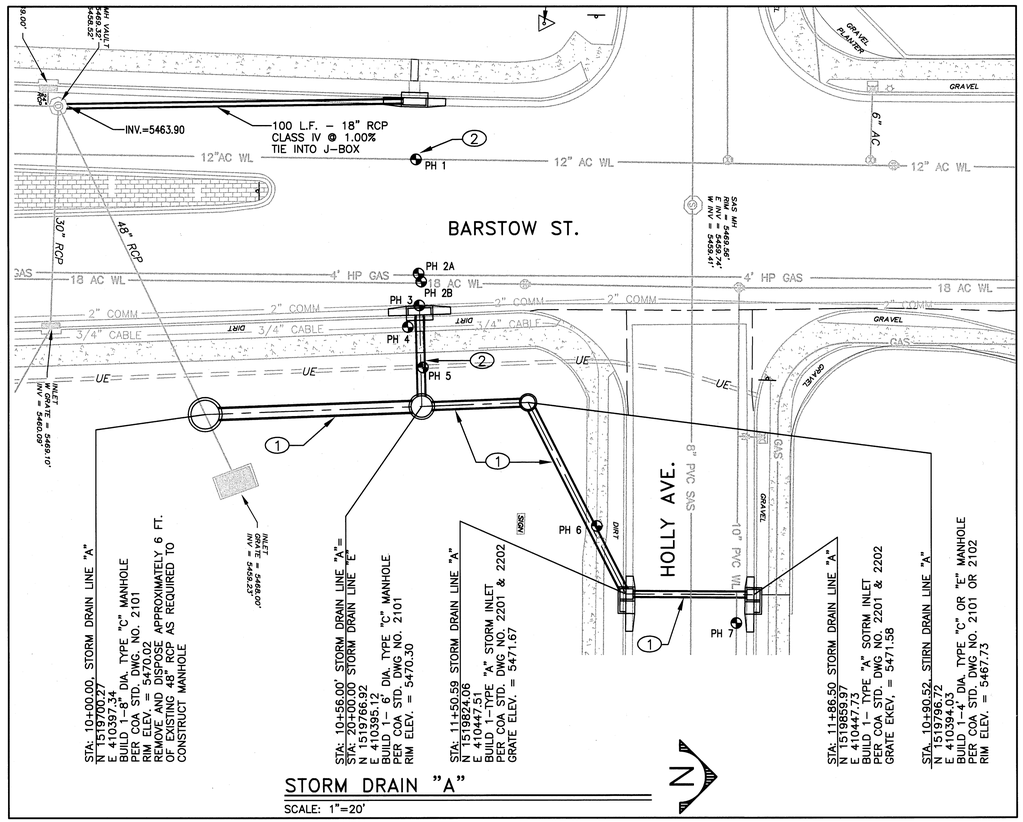
105107
Smith Engineering Company
A Full Service Engineering Company
5301 San Pedro Boulevard. N.E., Bldg. #4, Suite 200 Albuquerque, New Mexico 87110

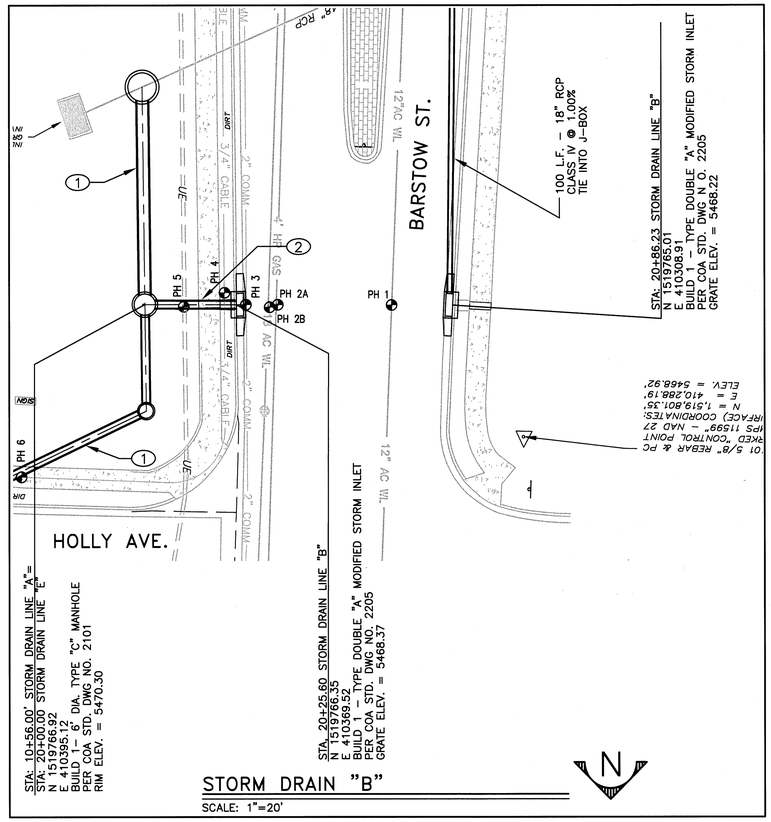
CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT

TITLE: HOLLY AND BARSTOW STORM DRAIN
REMOVAL PLAN

Design Review Committee	City Engineer Approval	Last Design Update	No. / Day / Yr.	No. / Day / Yr.

City Project No.	Zone Map No.	Sheet	Of
	C-20	1	2



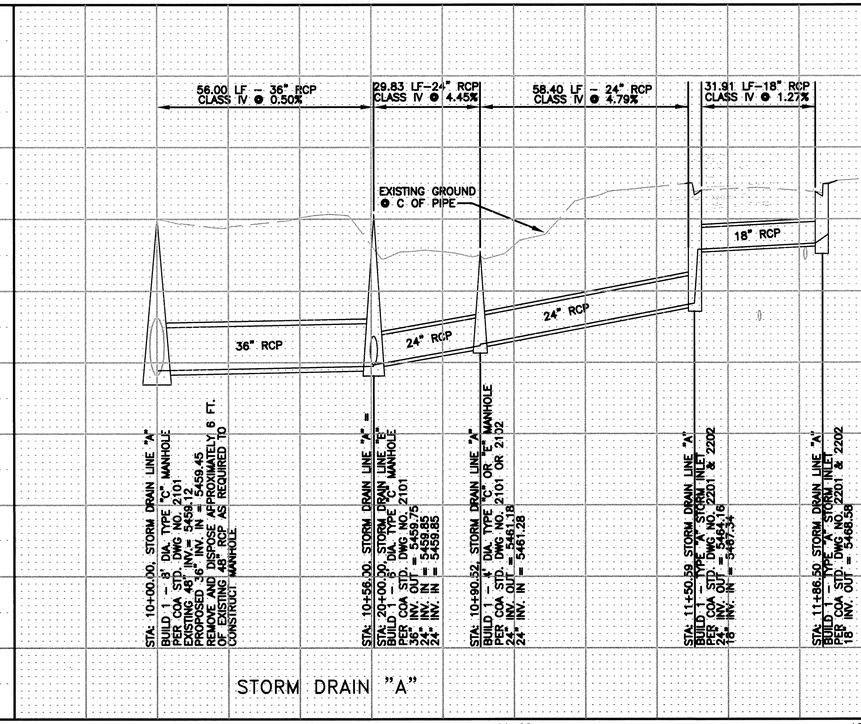


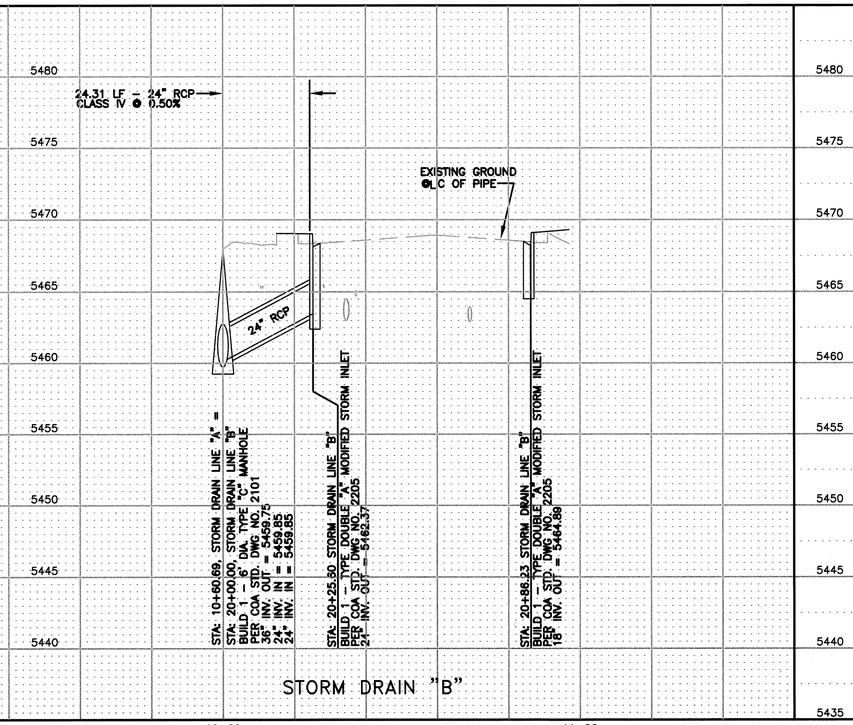
KEYED NOTES:

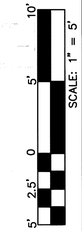
1. STORM DRAIN "A"
2. STORM DRAIN "B"

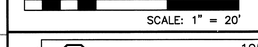
POTHOLING INFORMATION

PH No.	BURY	UTILITY
1	58"	12" AC WATER
2A	42"	4" STEEL GAS
2B	48"	18" AC WATER
3	35"	2" COMM (PVC)
4	33"	3/4" COMM (CABLE)
5	34"	(2) 1" ELEC (PVC)
6	47"	3/4" COMM (CABLE)
7	47"	10" WATER (PVC)









105107
Smith Engineering Company
A Full Service Engineering Company
2801 San Pedro Boulevard. N.E. Bldg. #4 Suite 200 Albuquerque, New Mexico 87110

AS BUILT INFORMATION
CONTRACTOR Sous Bonanza
WORK STAKED BY Cameron Surveys DATE 9/24/08
WORK INSPECTED BY ETEC DATE 9/24/08
ACCEPTANCE BY DATE
FIELD VERIFICATION BY Cameron Surveys DATE 9/24/08
DRAWINGS CORRECTED BY Seo DATE 9/24/08
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

BENCH MARKS

ENGINEERS SEAL
JAMES D. LEWIS
NEW MEXICO
11771
REGISTERED PROFESSIONAL ENGINEER
10-4-08

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	DATE 05/05
		DESIGNED BY DLA	DATE 05/05
		DRAWN BY JP	DATE 05/05
		CHECKED BY DLA	

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT

TITLE: HOLLY AND BARSTOW STORM DRAIN
STORM DRAIN PLAN & PROFILE

Design Review Committee	City Engineer Approval	Last Design Update	No. / Day / Yr.	No. / Day / Yr.

City Project No.
Zone Map No. C-20
Sheet 2 Of 2