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20-7678-31-07

SCANNED BY
PLANNING

CONSTRUCTION PLANS FOR LANDS OF KEN BALIZER

UTILITY IMPROVEMENTS

CITY OF ALBUQUERQUE
NEW MEXICO
JANUARY 2006

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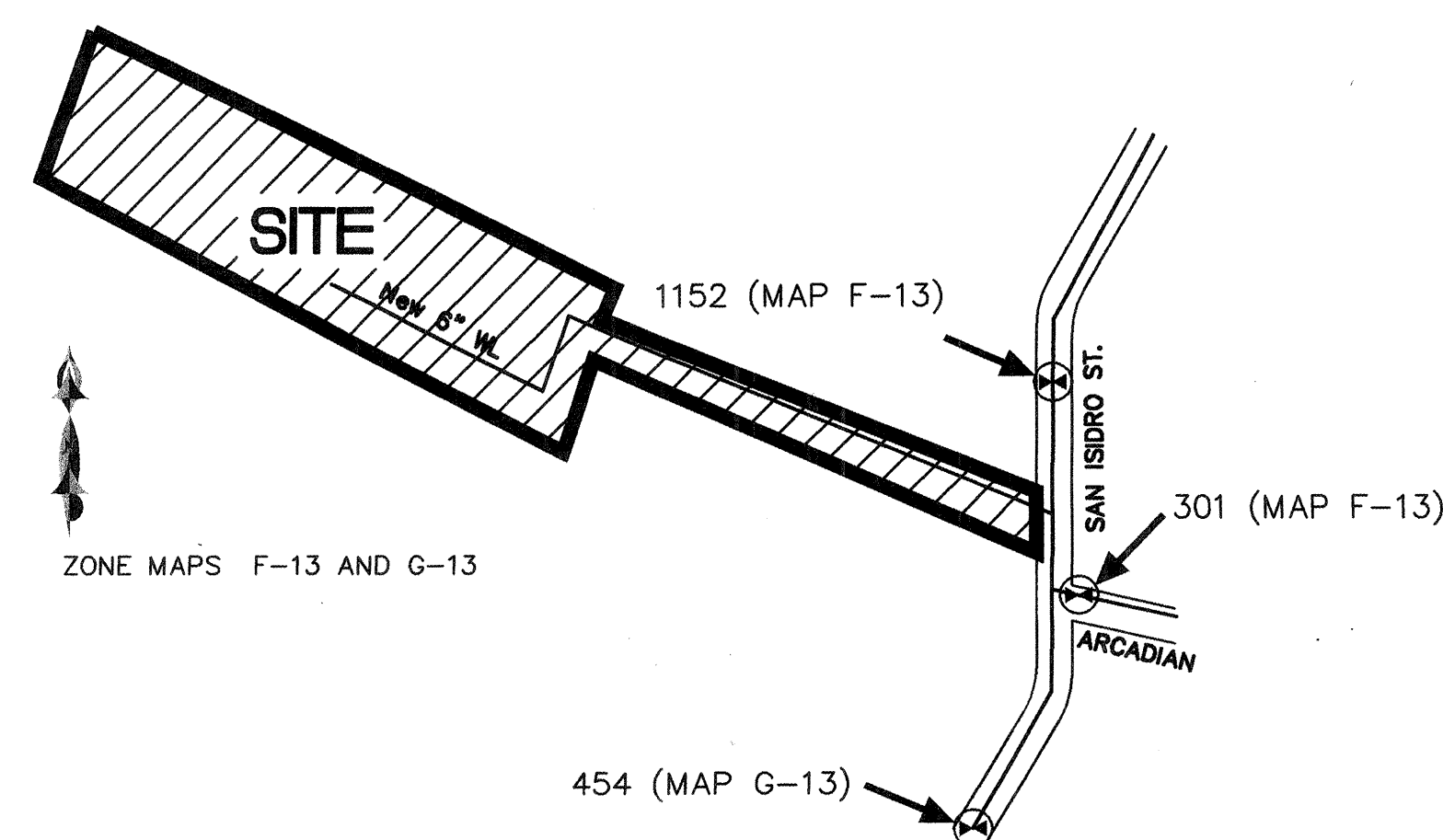
WATER SYSTEMS NOTES:

1. THE WATER SYSTEMS DIVISION (857-8200) WILL BE NOTIFIED BY THE CONTRACTOR SEVEN (7) WORKING DAYS IN ADVANCE OF ANY WORK WHICH MAY AFFECT THE EXISTING PUBLIC WATER FACILITIES. REFER TO SECTION 18 OF THE STANDARD SPECIFICATIONS.
2. ELECTRIC MARKER DISKS (EMD) WILL BE PLACED ACCORDING TO SECTION 170 OF THE STANDARD SPECIFICATIONS.

WATER SHUTOFF NOTES:

1. ONLY C.O.A. WATER SYSTEMS PERSONNEL ARE AUTHORIZED TO OPERATE VALVES.
2. NOTIFY CITY OF ALBUQUERQUE, WATER SYSTEMS DIVISION (PHONE 857-8200) SEVEN (7) WORKING DAYS IN ADVANCE OF NEEDING EXECUTION OF THE WATER SHUT OFF PLAN.
3. APPROXIMATE SHUT OFF TIME WILL BE 24 HOURS.
4. SHUTOFF VALVES INDICATED ON THE PLAN BELOW (→) 1152, 301, 454.

WATER SHUTOFF PLAN



ZONE MAPS F-13 AND G-13

RECORD DRAWING

I, SHAHAB BIAZAR, OF THE FIRM OF ADVANCED ENGINEERING AND CONSULTING, LLC, A REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF NEW MEXICO, DO HEREBY CERTIFY, TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE INFRASTRUCTURE INSTALLED AS PART OF THIS PROJECT HAS BEEN INSPECTED BY ME OR BY A QUALIFIED PERSON UNDER MY DIRECT SUPERVISION AND HAS BEEN CONSTRUCTED IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS APPROVED BY THE CITY ENGINEER AND THAT THE ORIGINAL DESIGN INTENT OF THE APPROVED PLANS HAS BEEN MET, EXCEPT AS NOTED BY ME ON THE AS-BUILT CONSTRUCTION DRAWINGS. THIS CERTIFICATION IS BASED ON SITE INSPECTIONS BY ME OR PERSONNEL UNDER MY DIRECTION AND SURVEY INFORMATION PROVIDED BY LEONARD MARTINEZ OF ADVANCED ENGINEERING, NMPS NUMBER 9801.

SHAHAB BIAZAR, PE
NMPE NO. 13479
DATE: 2/28/07
Advanced Eng. & Cons., LLC

NOTE:
DEVELOPER IS RESPONSIBLE FOR PRIVATE STREET
NAME SIGN, STOP SIGN, OR ANY NECESSARY STRIPING.

Subgrade prep. is not to City of
Albuquerque Standards.

APPROVED AS RECORD DRAWINGS
DESIGN REVIEW SECTION
CITY CONSTRUCTION ENGINEER
DATE: 6-11-2007

ADVANCED
ENGINEERING
and CONSULTING, LLC
4416 ANAHEIM AVE., NE
ALBUQUERQUE, NEW MEXICO 87113
(505) 899-5570

REVISED DATE: 03-15-06

DRAWING: 200529-TITLE DRAWN BY: DDG DATE: 12-21-05

VICINITY MAP ZONE ATLAS F-13-Z

N.T.S.

NOTICE TO CONTRACTORS

1. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION (UPDATE #7).
2. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (260-1990) FOR LOCATION OF EXISTING UTILITIES.
3. ANY WORK AFFECTING AN ARTERIAL ROADWAY REQUIRES 24-HOUR CONSTRUCTION.
4. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR SURVEYOR IMMEDIATELY SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
5. FIVE (5) WORKING DAYS PRIOR TO BEGINNING OF CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONST. COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (924-3400) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO STANDARD SPECIFICATIONS.
6. ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED WITH PLASTIC REFLECTORIZED PAVEMENT MARKINGS BY THE CONTRACTOR TO LOCATION AS EXISTING OR AS INDICATED BY THIS PLAN SET.
7. CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE ENGINEER MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE ENGINEER AND SHALL NOTIFY THE ENGINEER AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE CITY SURVEYOR. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATIONS OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO SECTION 4.4 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS. ANY PERMANENT SURVEY MONUMENT LOCATED WITHIN 50' OF THIS PROJECT THAT IS NOT SHOWN ON THE PLAN AND IS DESTROYED DURING CONSTRUCTION WILL BE REPLACED AT THE DESIGNER'S EXPENSE.
8. FOR STORM DRAIN CONSTRUCTION, RCP PIPE JOINTS SHALL NOT BE GROUTED PRIOR TO FINAL INSPECTION. FINAL INSPECTION WILL DETERMINE JOINTS TO BE GROUTED FOR FINAL ACCEPTANCE OF THE CONSTRUCTION.
9. ALL EXCAVATION, TRENCHING AND SHORING ACTIVITIES MUST BE CARRIED-OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P.

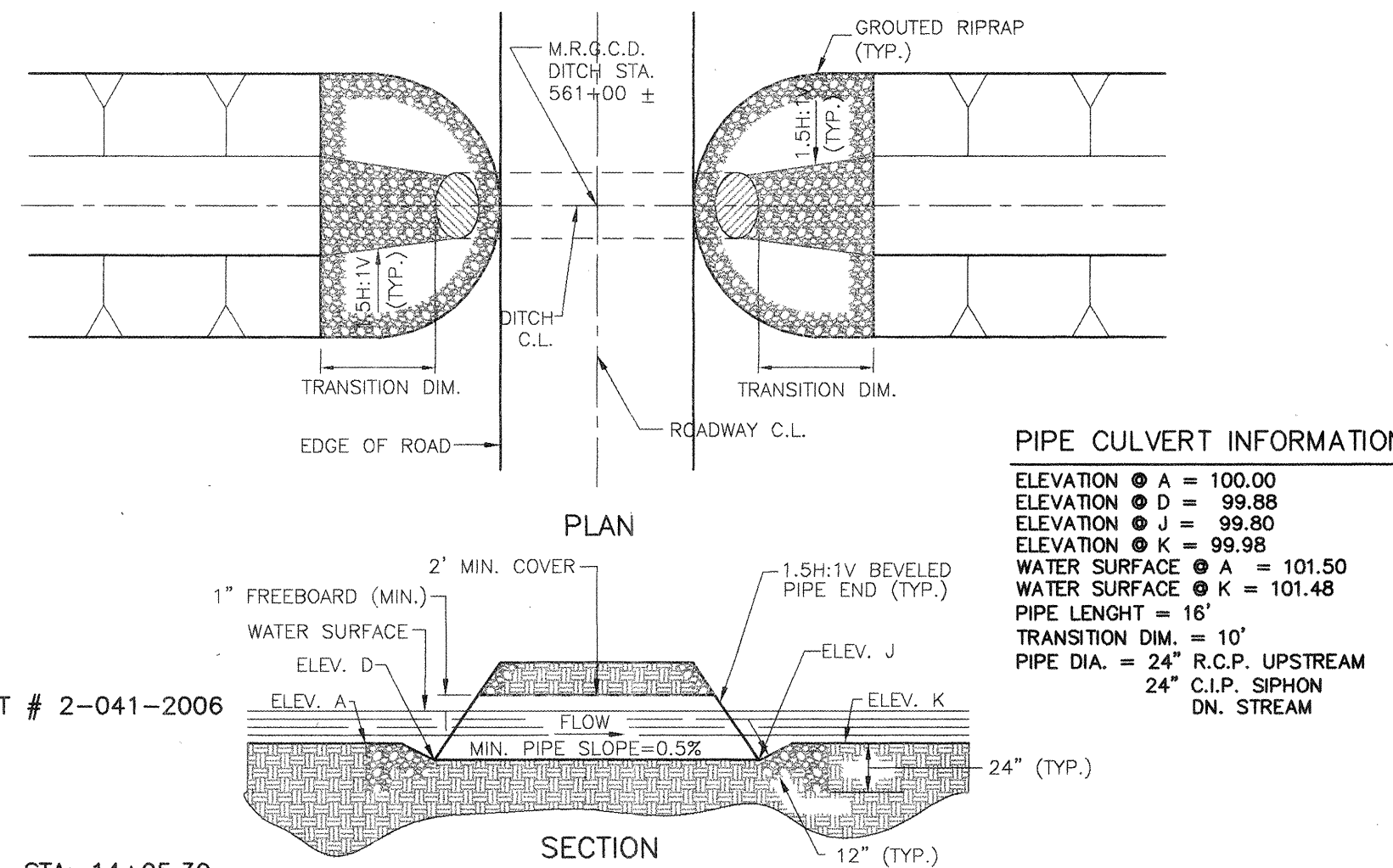
THE FOLLOWING NOTES ALSO APPLY WHEN CHECKED

- ☒ ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
- ☒ BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.
- ☐ TACK COAT REQUIREMENTS SHALL BE DETERMINED BY THE DESIGN ENGINEER.
- ☐ SIDEWALKS AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
- ☐ IF CURB IS DEPRESSED FOR A DRIVEPAD, THE DRIVEPAD SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.
- ☐ ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.

REV	SHEETS	CITY ENGINEER	DATE	USER DEPT.	DATE	USER DEPT.	DATE
ENGINEERS STAMP & SIGNATURE		APPROVALS		ENGINEER		DATE	
		DRC Chairman		4/13/06		APPROVED FOR CONSTRUCTION	
		Transportation		4/13/06			
		Water/Wastewater		4/13/06			
		Hydrology		4/13/06			
C.I.P.							
Constr. Coord.							
M.R.G.C.D.							
CITY PROJECT NO.				767881		SHEET 1 OF 3	

RECORD DRAWINGS

- NOTES:
1. REINFORCED CONCRETE PIPE CULVERT SHALL CONFORM TO A.S.T.M. DESIGNATION 076-72, CLASS III, WALL B, USING "O" RING GASKETED JOINTS.
 2. CORRUGATED METAL PIPE CULVERT SHALL CONFORM TO INTERIM FEDERAL SPECIFICATION WW-P-00405, CLASS I AND II, SHAPES 1, 2 AND 3.
 3. CULVERT CROSSINGS SHALL BE SET AT AN ELEVATION PROVIDING A MAXIMUM BACK WATER EFFECT OF NOT MORE THAN 0.25' AS DETERMINED BY HYDRAULIC COMPUTATIONS.
 4. TRANSITIONS SHALL BE PROVIDED AT BOTH INLET AND OUTLET OF PIPE AS SHOWN ON THE DRAWING ABOVE. TRANSITIONS MAY BE CONSTRUCTED OF CONCRETE OR GROUTED RIPRAP.
 5. GROUTED RIPRAP PROTECTION SHALL BE USED ADJACENT TO STRUCTURES IN EARTH-SURFACED WATERWAYS WHERE EROSION MAY OCCUR. RIPRAP SHALL BE HARD, DENSE AND DURABLE.
 6. ALL BACKFILL SHALL BE COMPACTED TO 90% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY THE A.S.T.M. PROCTOR TEST.
 7. NO CULVERT INSTALLATIONS ARE PERMITTED DURING THE IRRIGATION SEASON (MARCH 1 TO NOVEMBER 1 INCLUSIVE).
 8. THE LICENSEE SHALL CLEAN AND REMOVE ALL SILT AND DEBRIS WITHIN THE CULVERT CROSSING ON AN ANNUAL BASIS PRIOR TO MARCH 1st AND THEREAFTER.
 9. THE LICENSEE SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF THE CULVERT CROSSING AND ALL ACCESSORIES ON THE CULVERT CROSSING.
 10. THE LICENSEE SHALL BE RESPONSIBLE FOR THE CONTROL OF VEGETATION ON AND AROUND THE CULVERT CROSSING.



COA STANDARD DRAWING NUMBERS FOR WATER

- 1-WATER METER BOX INSTALLATION PER COA. STD. DWG 2361.
- 2-WATER METER SERVICE LINE INSTALLATION PER COA. STD. DWG 2362.
- 3-WATER METER BOX PER COA. STD. DWG 2366.
- 4-WATER HEAVYWEIGHT METER BOX COVER AND LIDS PER COA. STD. DWG 2369.
- 5-WATER VALVE BOXES PER COA. STD. DWG 2326 & 2328.
- 6-FIRE HYDRANT PER COA. STD. DWG 2340, FULLY RESTRAINED.

COA STANDARD DRAWING NUMBERS FOR GRAVITY SEWER

- 1- SAS MH TYPE "C" PER COA. STD. DWG 2101.
- 2- SAS MH TYPE "E" PER COA. STD. DWG 2102.
- 3- SAS SVC LINE CONNECTION TO MAIN, SEE DETAIL THIS SHEET.

NOTES:

1. ALL STATIONING IS CENTERLINE OF EASEMENTS.
2. SEE THIS SHEET FOR RESTRAINING JOINTS REQUIREMENTS.
3. THE SEWER SERVICE WILL BE EXTENDED TO THE WATER AND SEWER EASEMENT.
4. MANHOLE STEPS SHALL NOT BE INSTALLED IN SANITARY MANHOLE'S.
5. WATER SHUT OFF PLAN PER. SHEET 1.
6. ALL WATER SERVICES MUST HAVE HEAVYDUTY CAST IRON COVER PLATES.
7. ALL WATER SERVICES MUST HAVE DUAL CHECK VALVES IN WATER METER YOKE, SPEC. SECTION 802.
8. ALL WATER AND SEWER FACILITIES SHALL BE MARKED WITH ELECTRONIC MARKER DISCS (EMD'S) PER. STND. SPEC. SECTION 170.
9. PRIVATE STREETS REQUIRE STREET NAME SIGNS, STOP SIGNS, AND ANY NECESSARY STRIPING. (DEVELOPER'S RESPONSIBILITY)
10. TRACT 1 4229 SAN ISIDRO EXISTING WATER AND SEWER SERVICES SHALL BE REMOVED AND NEW WATER AND SEWER SERVICES WILL BE CONSTRUCTED AT TIME OF CONSTRUCTION.

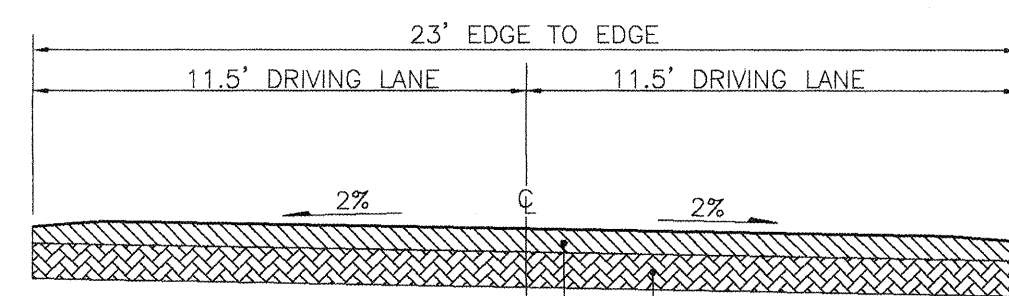
SAS SERVICE TABLE

TRACT	STATION	LF	INV. @ EASEMENT
3	11+03.85	25.64	4969.37
2	11+98.51	10.98	4467.44
1	12+23.52	10.98	4467.32

PIPE SIZE	RUN	BRANCH
6"x6"x6"	6	20
10"x10"x6"	4	16

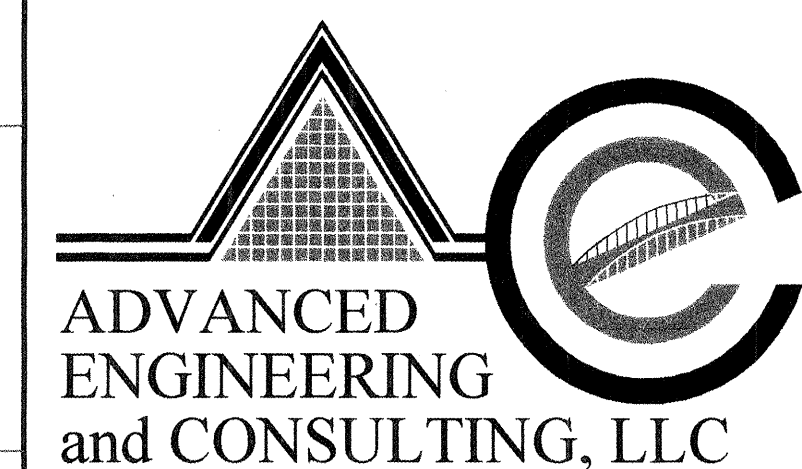
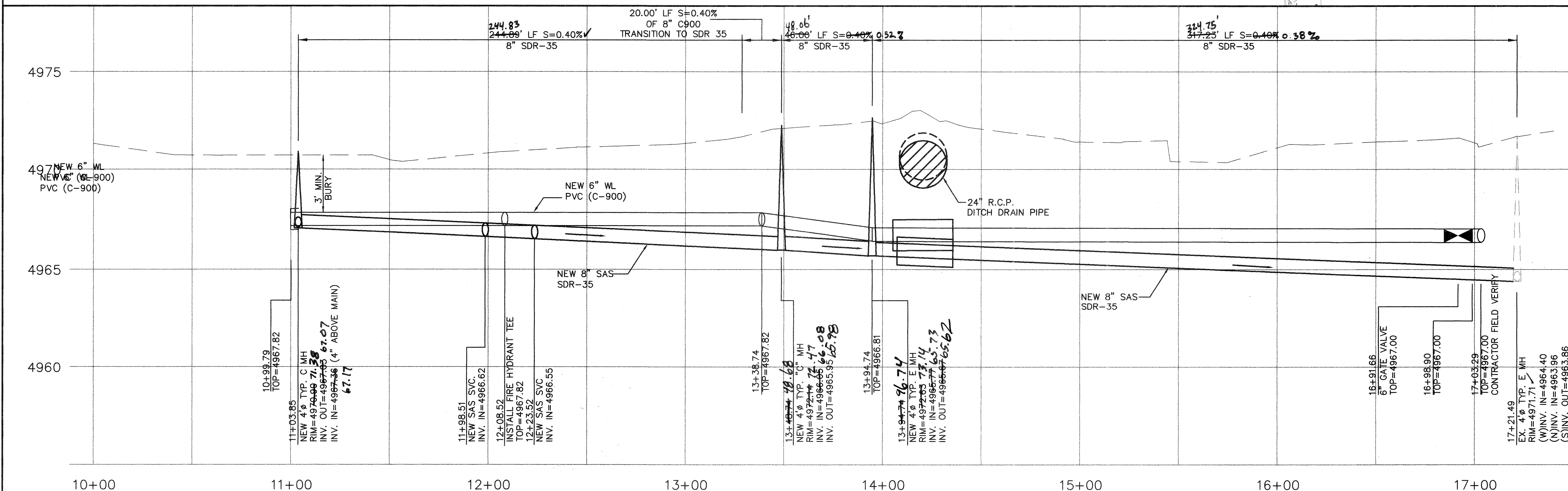
PIPE SIZE	90°	45°	22.5°	11.25°	VALVE & DEAD ENDS
6"	17	7	3	2	46

LENGTH OF RESTRAINED PIPE ON EACH SIDE OF THE BEND. RESTRAIN BRANCH AT FITTING ONLY OF TEE: 10.00 FEET.



PRIVATE ROAD PAVEMENT SECTION

NOTE:
1. ALL STATIONING IS CENTERLINE STATIONING.



CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: **PRIVATE ROAD**
PRIVATE ROAD UTILITY IMPROVEMENTS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVE JUL 10 2006	APPROVE OCT 27 2006		
DESIGN REVIEW COMMITTEE	CITY ENGINEER	LAST DESIGN UPDATE	
CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF

DRAWING: 200529-P&P-PAVING 01-03-06

767881

F-13-Z

3 OF 3

RECORD DRAWINGS

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE	NO.	BY	NO.	BY	NO.	BY
WORK	DATE	NO.	BY	NO.	BY	NO.	BY
INSPECTOR'S	DATE	NO.	BY	NO.	BY	NO.	BY
FIELD	DATE	NO.	BY	NO.	BY	NO.	BY
VERIFICATION	DATE	NO.	BY	NO.	BY	NO.	BY
CORRECTED	DATE	NO.	BY	NO.	BY	NO.	BY
MICRO-FILM	DATE	NO.	BY	NO.	BY	NO.	BY
RECORDED	DATE	NO.	BY	NO.	BY	NO.	BY



SCALE: HORIZ. 1"=30'
VERT. 1"= 3'

ELEVATIONS ARE NGVD 88