

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
20-70388-04-08

SCANNED BY
PLANNING

CONSTRUCTION PLANS FOR **CAMPBELL ESTATES SUBDIVISION**

UTILITY & PAVING IMPROVEMENTS

CITY OF ALBUQUERQUE
NEW MEXICO
JUNE 2007

I, DAVID SOULE, NMPE 14522, OF THE FIRM RIO GRANDE ENGINEERING, HEREBY CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE INFRASTRUCTURE INSTALLED AS A PART OF THIS PROJECT HAS BEEN INSPECTED BY ME OR 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 HAS BEEN MET, EXCEPT AS NOTED BY ME OR PERSONNEL UNDER MY DIRECTION AND A SURVEY INFORMATION PROVIDED BY WILL PLOTNER JR. NMPS 14271.



*RG
E*

INDEX TO DRAWINGS

1. TITLE SHEET
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6. MASTER UTILITY PLAN
7. ORNELA LANE UTILITY IMPROVEMENTS
8. SAS SYSTEM DETAILS

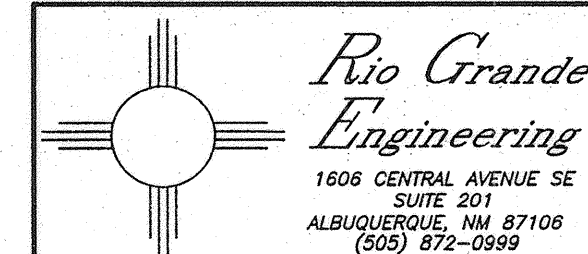
SURVEYOR'S CERTIFICATION

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 DRAWINGS 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.

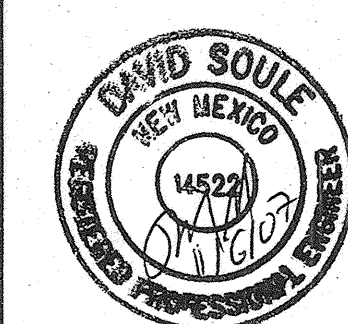
WILL PLOTNER JR.
WILL PLOTNER JR, NMPS 14271



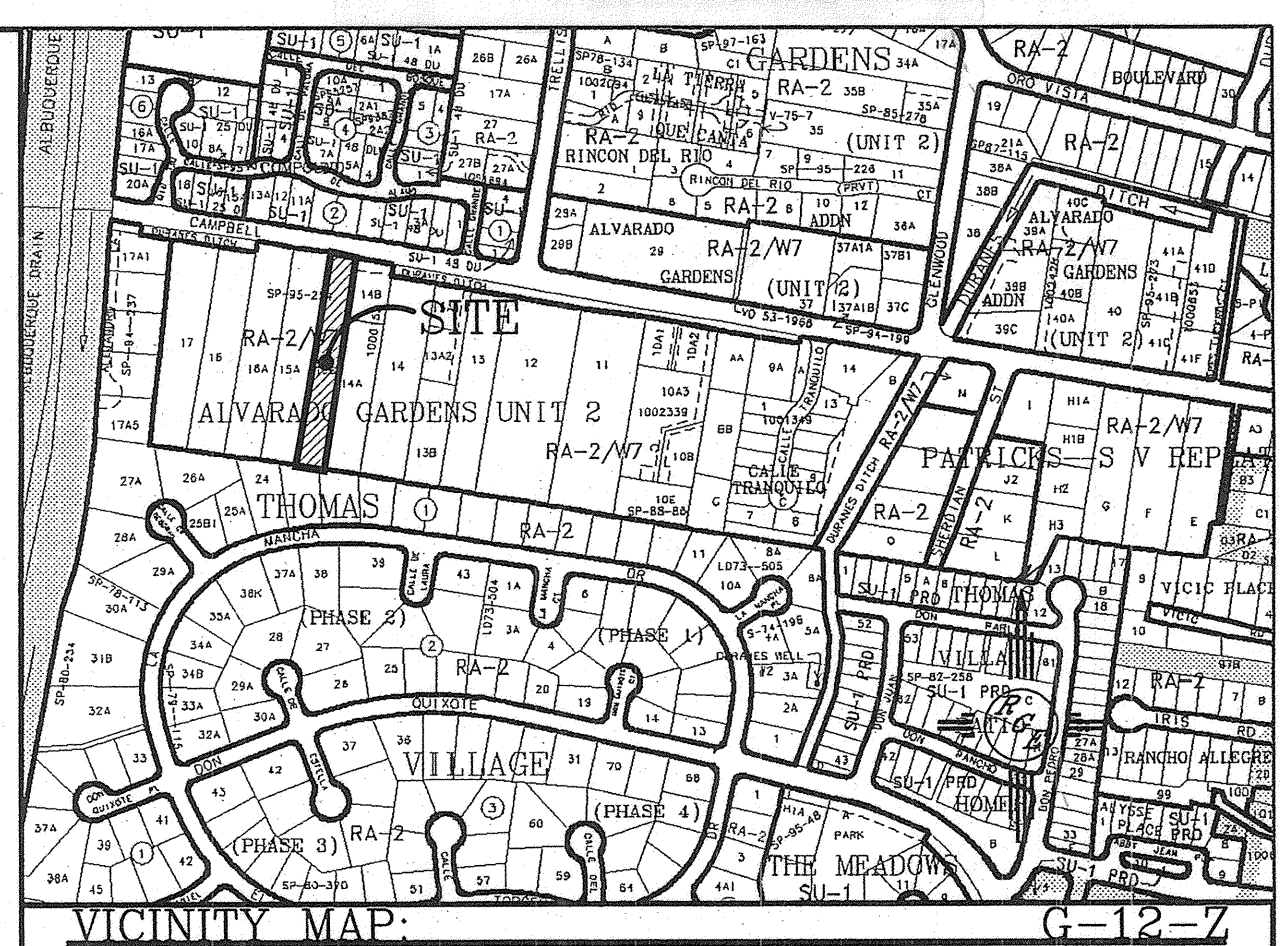
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APPROVED AS RECORD DRAWINGS
DESIGN REVIEW SECTION
CITY CONSTRUCTION ENGINEER
DATE: 12/10/06



REV	SHEETS	CITY ENGINEER	DATE	USER DEPT.	DATE	USER DEPT.	DATE
ENGINEERS STAMP & SIGNATURE		APPROVALS		ENGINEER		DATE	
		DRC Chairman		1-11-07		APPROVED FOR CONSTRUCTION	
		Transportation		11/07			
		Water/Wastewater		11/07			
		Hydrology		11/07			
		C.I.P.					
		Constr. Mngmt.					
		Constr. Coord.					
CITY PROJECT NO.				SHEET			
703884				1 OF 8			



NOTICE TO CONTRACTORS

1. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION (UPDATE #7 INCLUDING ADDENDUM #1).
2. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (280-1990) 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. SEVEN (7) WORKING DAYS PRIOR TO BEGINNING OF CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO CONSTRUCTION COORDINATIONS DIVISION DETAILED CONSTRUCTION SCHEDULE. TWO(2) WORKING DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A BARRICADE PERMIT FROM THE CONST. COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (924-3400) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO SECTION 19 OF THE STANDARD SPECIFICATIONS.
6. PERMANENT PAVEMENT STRIPING AND MARKINGS WILL BE PLACED BY CONTRACTOR. THE ROAD SHALL NOT BE OPENED TO THE TRAFFIC UNTIL IT IS STRIPED. ALL STRIPING, PAVEMENT MARKINGS INCLUDING CROSSWALKS ARROWS AND LINE MARKINGS ARE TO BE CONSTRUCTED OF HOT PLASTIC OR COLD PLASTIC IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
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 DESIGNERS EXPENSE.
8. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ALL GRAFFITI FROM EQUIPMENT, WHETHER TEMPORARY OR PERMANENT.
9. CONTRACTOR SHALL MAINTAIN ALL CONSTRUCTION SIGNAGE UNTIL PROJECT ACCEPTANCE FROM THE COA.
10. DEVELOPER SHALL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING ALL STRIPING AND SIGNAGE WITHIN PRIVATE STREETS.
11. IF DURING CONSTRUCTION, ANY HUMAN REMAINS ARE EXPOSED OR UNCOVERED CONTRACTOR SHALL IMMEDIATELY STOP WORK AND NOTIFY THE CORONER'S OFFICE FOR INVESTIGATION AND REMOVAL.

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.
- ☒ SIDEWALKS AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
- ☐ IF CURB IS DEPRESSIONED FOR A DRIVEPAD, THE DRIVEPAD SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.

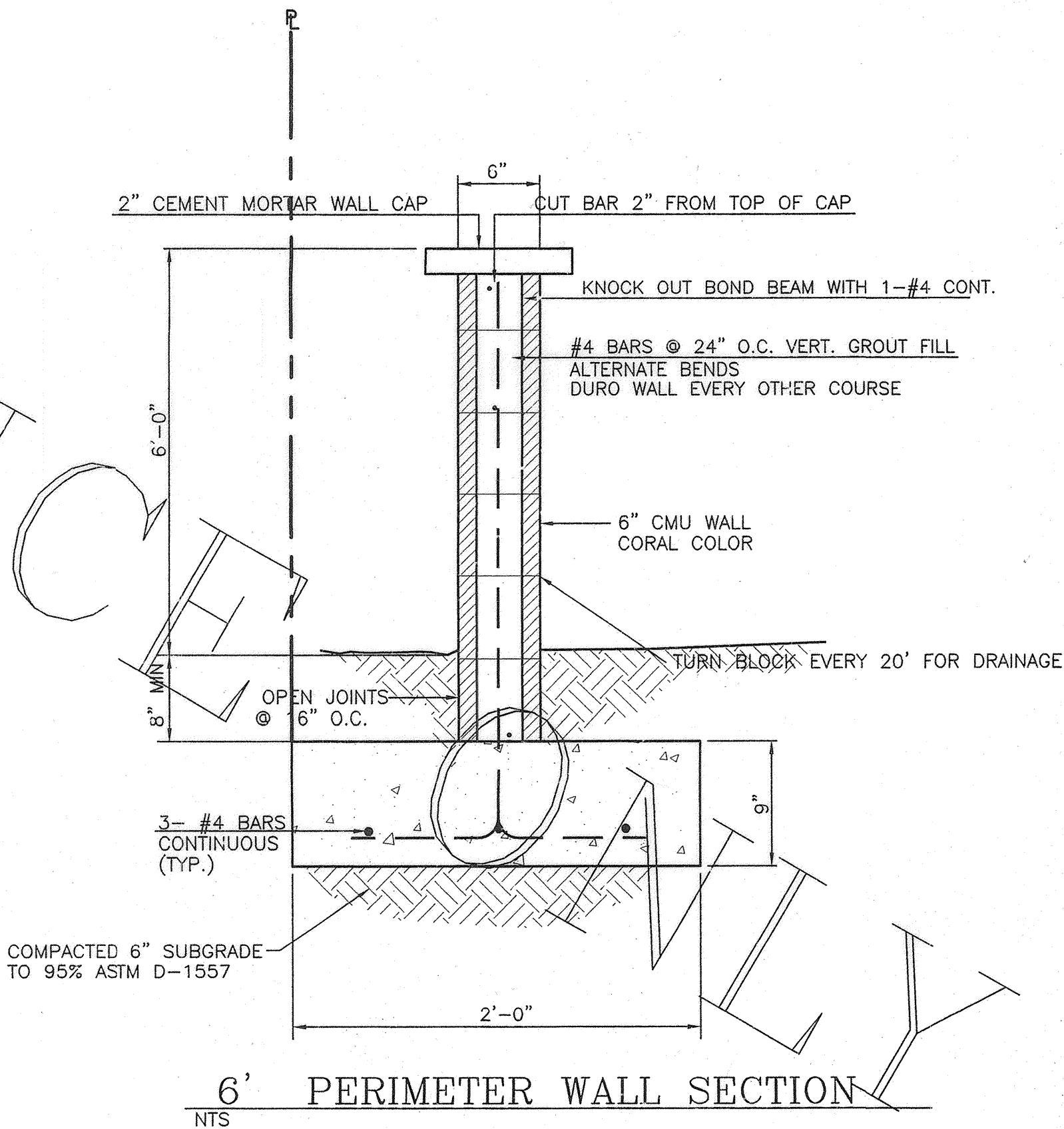
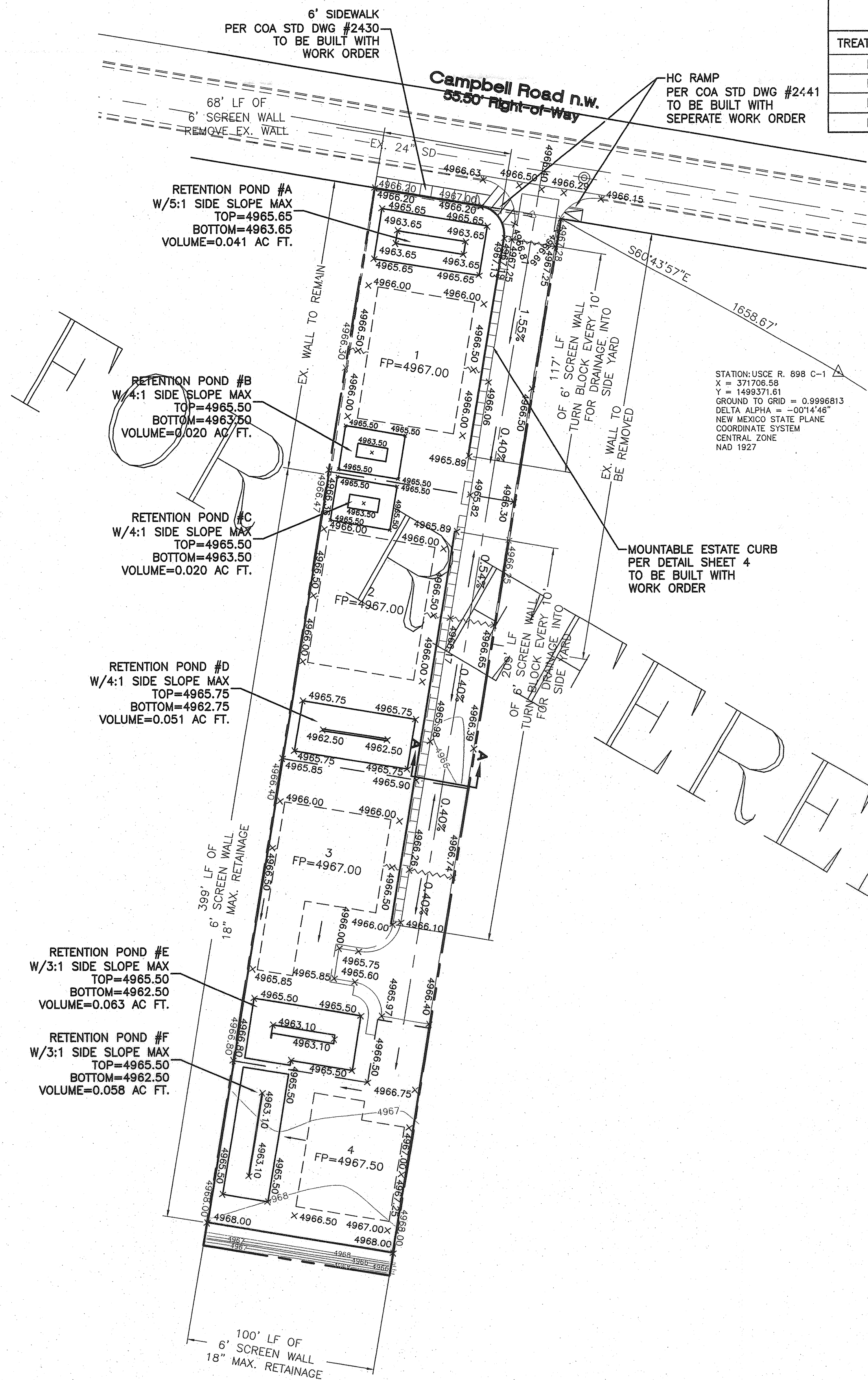
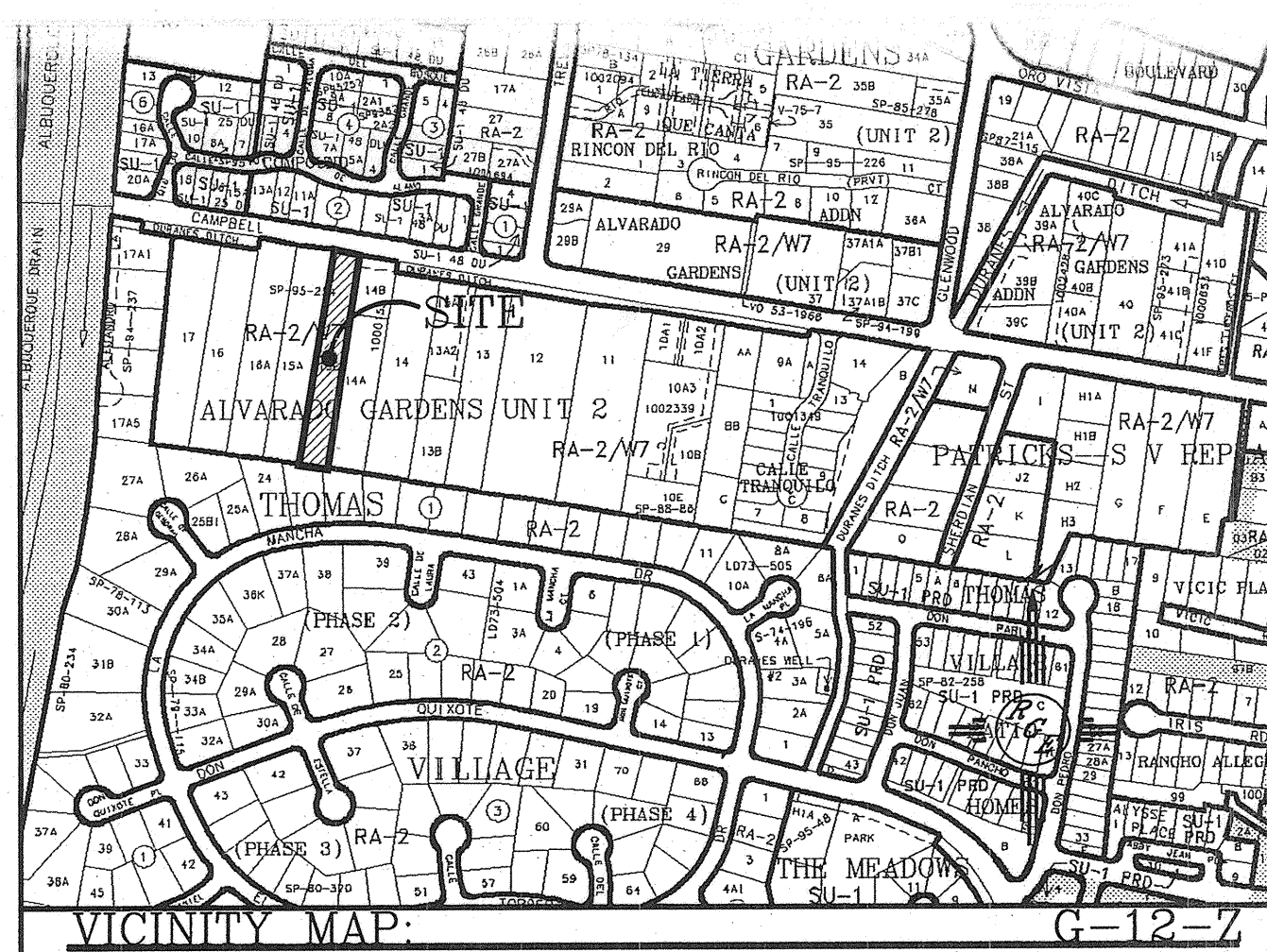
LAND TREATMENT CHART

TREATMENT TYPE	A	B	C	D
LOT 1	0 SF (0%)	10597 SF (70%)	0 SF (0%)	4603 SF (30%)
LOT 2	0 SF (0%)	10294 SF (68%)	0 SF (0%)	4886 SF (32%)
LOT 3	0 SF (0%)	10908 SF (72%)	0 SF (0%)	4257 SF (25%)
LOT 4	0 SF (0%)	7713 SF (70%)	0 SF (0%)	3245 SF (30%)

LEGEND

---	EXISTING 12" CMP
---	EXISTING FENCE
---	EXISTING CURB & GUTTER
---	PROPOSED CURB & GUTTER
---	BOUNDARY LINE
---	EASEMENT
---	PROPOSED PERIMETER WALL
---	EXISTING CONTOUR
---	EXISTING INDEX CONTOUR
---	PROPOSED CONTOUR
---	PROPOSED INDEX CONTOUR
---	FLOW ARROW
---	SLOPE TIE
---	PROPOSED SPOT ELEVATION
---	EXISTING SPOT ELEVATION
---	CENTERLINE
---	RIGHT-OF-WAY
---	LOT LINES
---	SETBACK LINE
---	4' SIDEWALK

RECORD DRAWINGS



GENERAL NOTES:

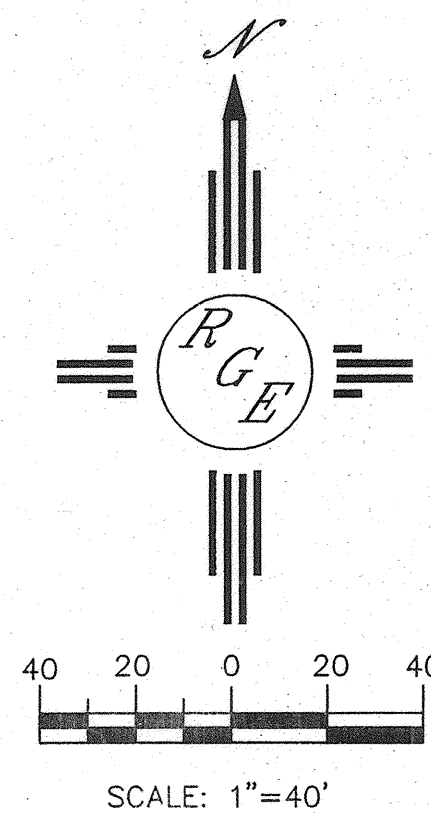
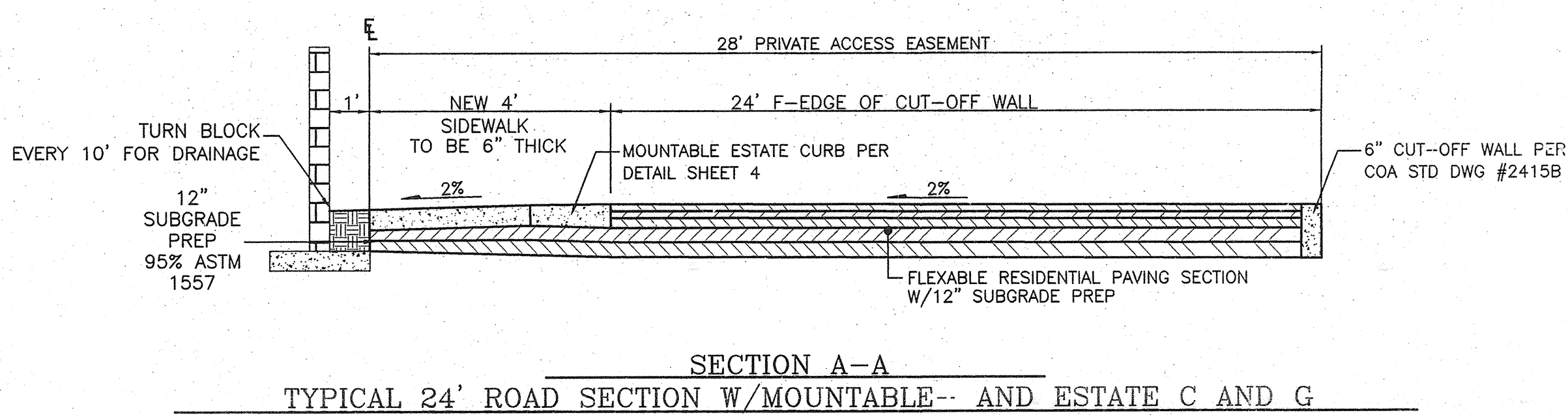
- ALL CONCRETE IS TO BE 3000 PSI @ 28 DAYS.
- MINIMUM COMPACTION UNDER FOOTINGS IS TO BE 95% PER ASTM. D 1557 FOR A DEPTH OF 12" MOISTURE CONTENT IS TO BE $\pm$ 2.0%.
- BACK FILL AGAINST WALLS IS TO BE HAND-PLACED AND COMPACTED.
- ALL BARS ARE TO BE GRADE 60, ASTM 615.
- TRUSS TYPE DUR-O-WALL EVERY OTHER COURSE.
- DOWELS SHALL BE AT LEAST EQUAL IN SIZE AND SPACING TO V-BARS, SHALL PROJECT A MINIMUM OF 30 BAR DIA. INTO THE FILLED BLOCK CORES, AND SHALL EXTEND TO THE TOE OF THE FOOTING.
- USE EITHER EXPANSION JOINTS ON 20' CENTERS OR PILASTERS EVERY 16'.

EROSION CONTROL NOTES:

- CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.
- CONTRACTOR IS RESPONSIBLE FOR MAINTAINING RUN-OFF ON SITE DURING CONSTRUCTION.
- CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT THAT GETS INTO EXISTING RIGHT-OF-WAY.
- REPAIR OF DAMAGED FACILITIES AND CLEANUP OF SEDIMENT ACCUMULATIONS ON ADJACENT PROPERTIES AND IN PUBLIC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.
- ALL EXPOSED EARTH SURFACES MUST BE PROTECTED FROM WIND AND WATER EROSION PRIOR TO FINAL (CITY) ACCEPTANCE OF ANY PROJECT.

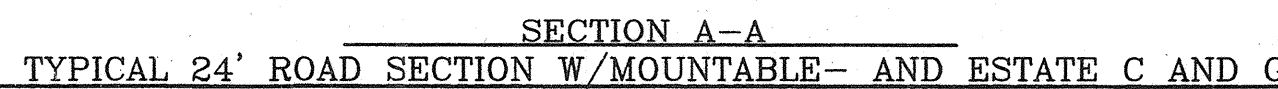
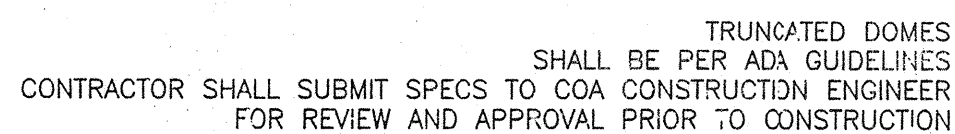
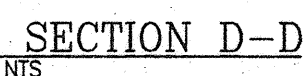
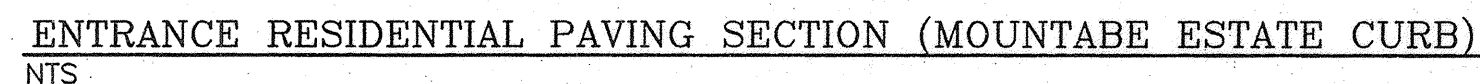
CAUTION:

EXISTING UTILITIES ARE NOT SHOWN.
IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO ANY EXCAVATION TO DETERMINE THE ACTUAL LOCATION OF UTILITIES & OTHER IMPROVEMENTS.

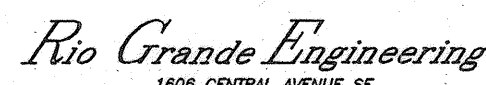


ROUGH GRADING APPROVAL		DATE
ENGINEER'S SEAL	CAMPBELL ESTATES	DRAWN BY WCWJ
	GRADING AND DRAINAGE PLAN	DATE 5-25-07
	Rio Grande Engineering	2712-GR-2-01-07X
DAVID SOULE P.E. #14522	1606 CENTRAL AVENUE SE SUITE 201 ALBUQUERQUE, NM 87106 (505) 872-0999	SHEET # 3 OF 8
		JOB # 2712

1. ALL SIDEWALKS SHALL BE 6" THICK PER COA STD DWG # 2430.
2. ENTIRE PERIMETER WALL SHALL BE OUTSIDE OF ROW. (INCLUDING FOOTING)
3. DEVELOPER SHALL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING ALL SIGNING AND STRIPING ON PRIVATE SUBDIVISION.
4. TACK COAT FOR SURFACE COURSE REQUIREMENTS WILL BE DETERMINED BY THE ENGINEER.

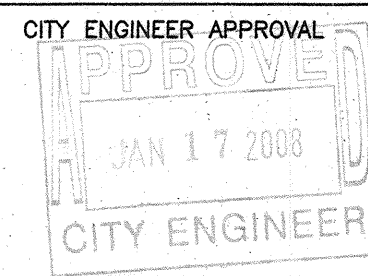


- ## STREET LIGHTS



CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: **CAMPBELL ESTATES SUBDIVISION**
MASTER PAVING PLAN



CITY PROJECT NO.

ZONE MAP NO.

SHEET OF

703884

G-12-7

48

[illegible]

SCANNED BY
PLANNING

CURVE TABLE					
CURVE	LENGTH	RADIUS	DELTA	CHORD DIRECTION	CHORD
C1	31.43	20.00	90°02'30"	N35°39'03"W	28.29
C2	31.40	20.00	89°57'30"	S54°20'57"W	28.27
C3	29.85	19.00	90°00'00"	N54°22'12"E	26.87
C4	25.08	17.00	84°32'21"	N38°21'37"W	22.87

LINE TABLE		
LINE	LENGTH	BEARING
L1	378.11	S09°22'12"W
L2	10.38	N80°37'48"W
L3	16.00	S09°22'12"W
L4	11.00	S80°37'48"E
L5	25.46	S80°35'50"E
L6	428.55	N09°22'12"E

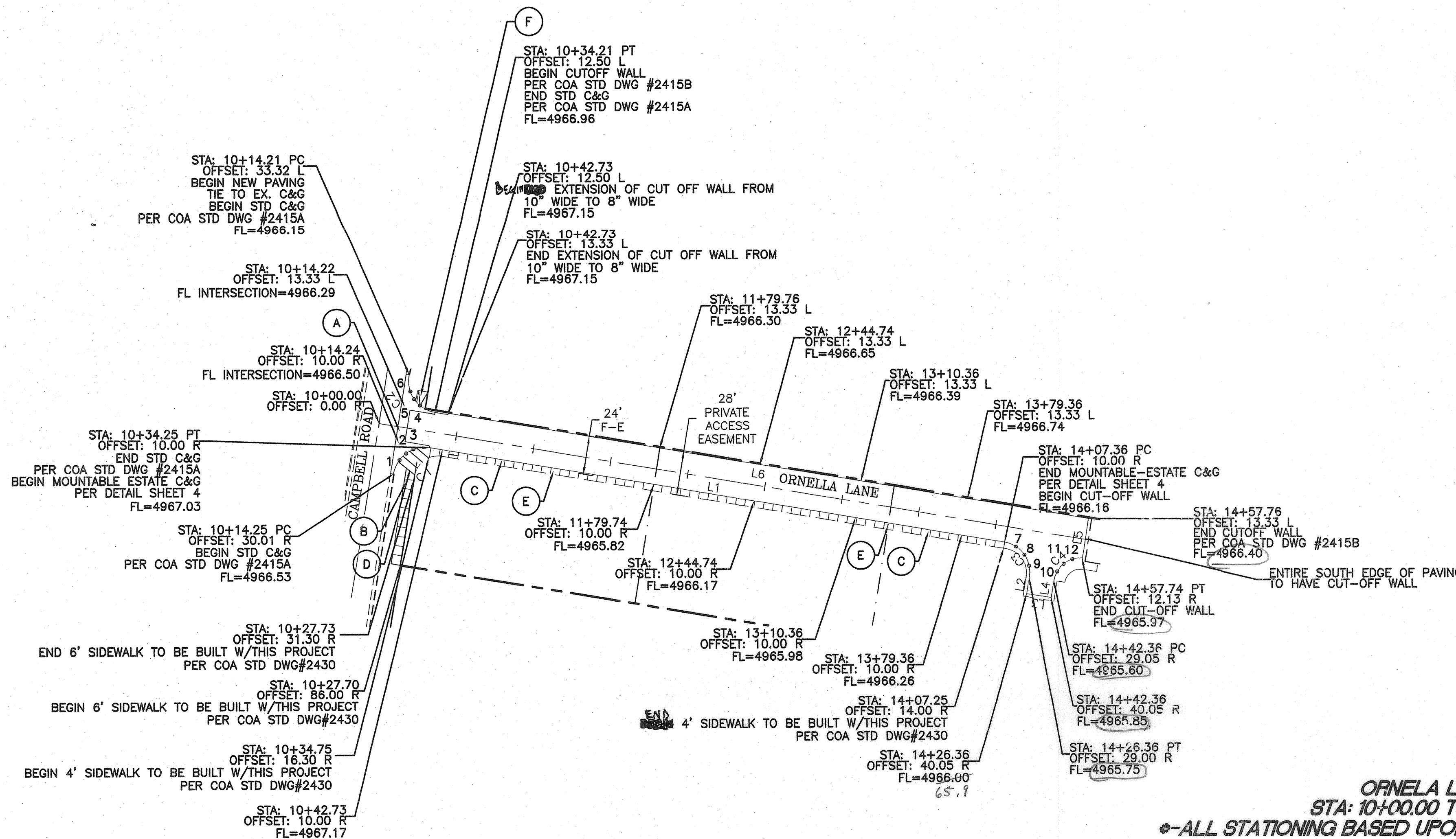
QUARTER POINTS

C1	FL	ELEV.	C2	FL	ELEV.
1	4966.82		4	4966.71	
2	4966.72		5	4966.52	
3	4966.81		6	4966.34	

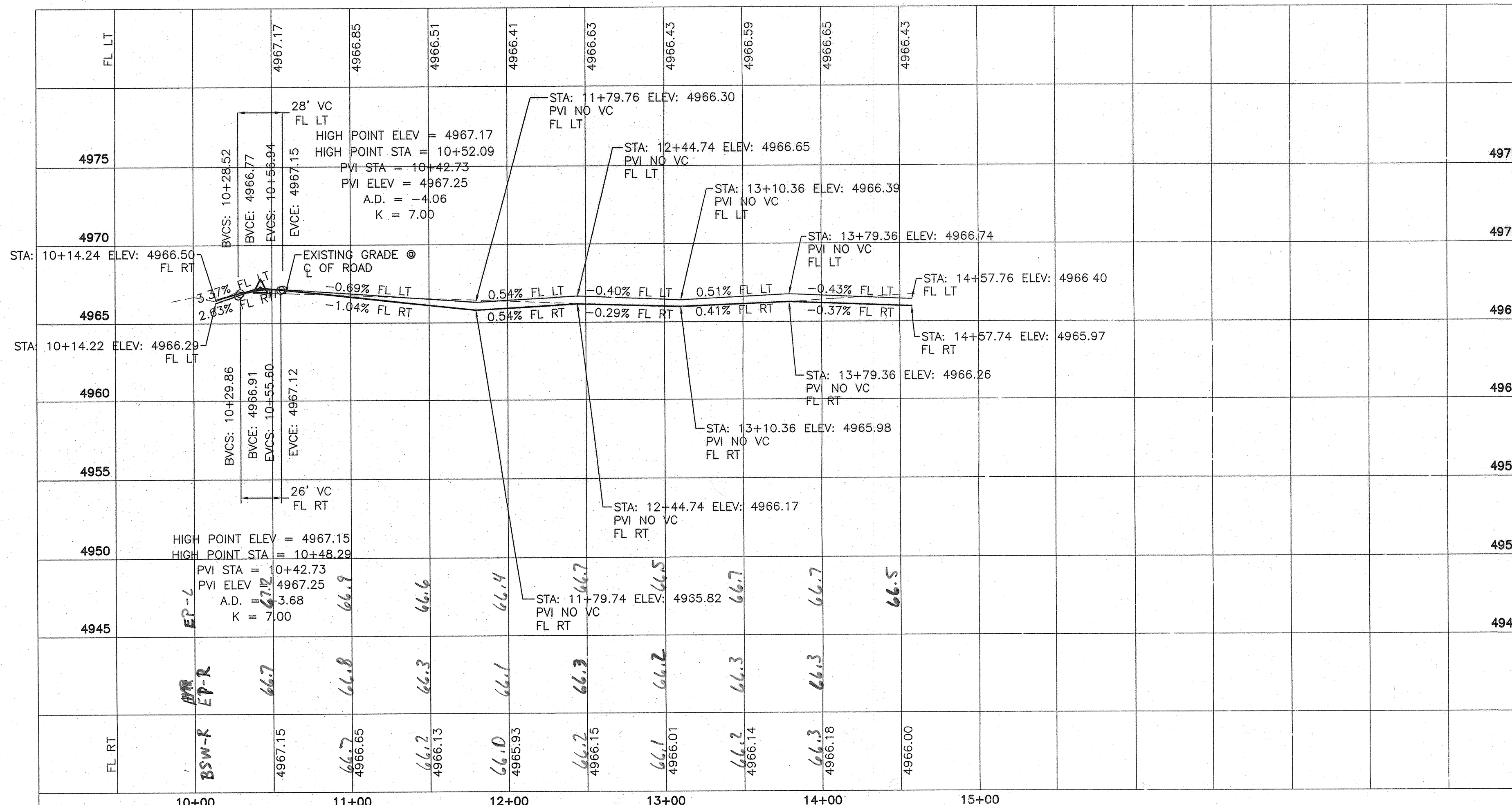
C3	FL	ELEV.	C4	FL	ELEV.
7	4966.06		10	4965.69	
8	4965.96		11	4965.79	
9	4965.85		12	4965.88	

Certification
THE CHANGES SHOWN HEREON ARE BASED UPON A FIELD SURVEY CONDUCTED BY ME OR UNDER MY SUPERVISION AND REFLECT THE LOCATIONS (VERTICALLY AND HORIZONTALLY) TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Will Flaherty

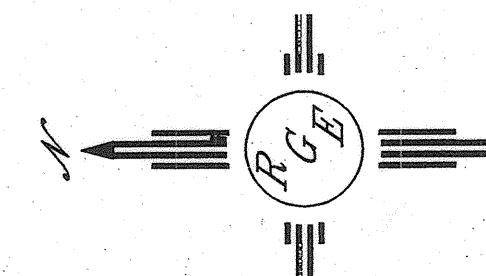


ORNELA LANE
STA: 10+00.00 TO 14+59.75
***ALL STATIONING BASED UPON PROPOSED CENTERLINE**

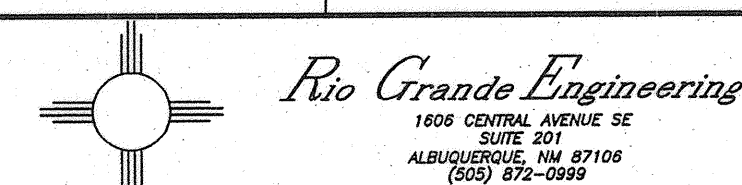


- KEYED NOTE:**
- (A) 6" VALLEY GUTTER PER C.O.A. STD DWG #2420
 - (B) 6" SIDEWALK TO BE BUILT WITH THIS CONTRACT. PER COA STD DWG #2430
 - (C) MOUNTABLE ESTATE TYPE CURB PER DETAIL SHEET 4
 - (D) HANDICAP RAMP SEE DETAIL SHEET 4
 - (E) 4' SIDEWALK TO BE BUILT W/THIS PROJECT PER COA STD DWG #2430 (TO BE 6" THICK)
 - (F) UNI-DIRECTIONAL HANDICAP RAMP SEE DETAIL SHEET 4

- NOTE:**
1. SEE MASTER PAVING PLAN FOR STREET SECTIONS AND WHEELCHAIR RAMP TYPES.
 2. ALL CURB AND GUTTER ARE TO BE MOUNTABLE ESTATE TYPE UNLESS OTHERWISE NOTED.

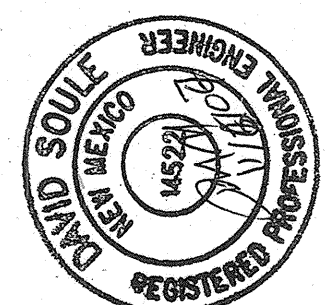


SCALE: HORIZ. 1"=50'
VERT. 1"= 5'



CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP			
TITLE: CAMPBELL ESTATES SUBDIVISION PAVING IMPROVEMENTS ORNELA LANE			
DESIGN REVIEW COMMITTEE APPROVED JAN 11 2008 DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL APPROVED JAN 17 2008 CITY ENGINEER	MO./DAY/YR.	MO./DAY/YR.
CITY PROJECT NO. 703884	ZONE MAP NO. G-12-Z	SHEET 5	OF 8

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE	STATION/USCE R. 898 C-1	DATE	NO.	BY	NO.	BY
WORK STARTED BY: CST	DATE: 1/11/08	X = 371706.58	DATE				
ACCEPTANCE BY: CST	DATE: 1/17/08	Y = 1499371.61	DATE				
FIELD NOTES BY: CST	DATE: 1/11/08	GROUND TO GRID = 0.99996813	DATE				
DRAWINGS BY: CST	DATE: 1/11/08	DELTA ALPHA = -0014'46"	DATE				
CORRECTED BY:	DATE:	NEW MEXICO STATE PLANE	DATE				
RECORDED BY:	DATE:	COORDINATE SYSTEM	DATE				
NO.	DATE:	CENTRAL ZONE	DATE				
	DATE:	NAD 1927	DATE				



REVISIONS	NO.	DATE	BY	REMARKS
DESIGN				

DESIGNED BY: WCWJ	DATE: 4-04-07
DRAWN BY: WCWJ	DATE: 4-04-07
DRAWN NAME: 2712-DRG-2-01-07X.DWG	JOB NO.: 2712
CHECKED BY: DS	DATE: 4-05-07

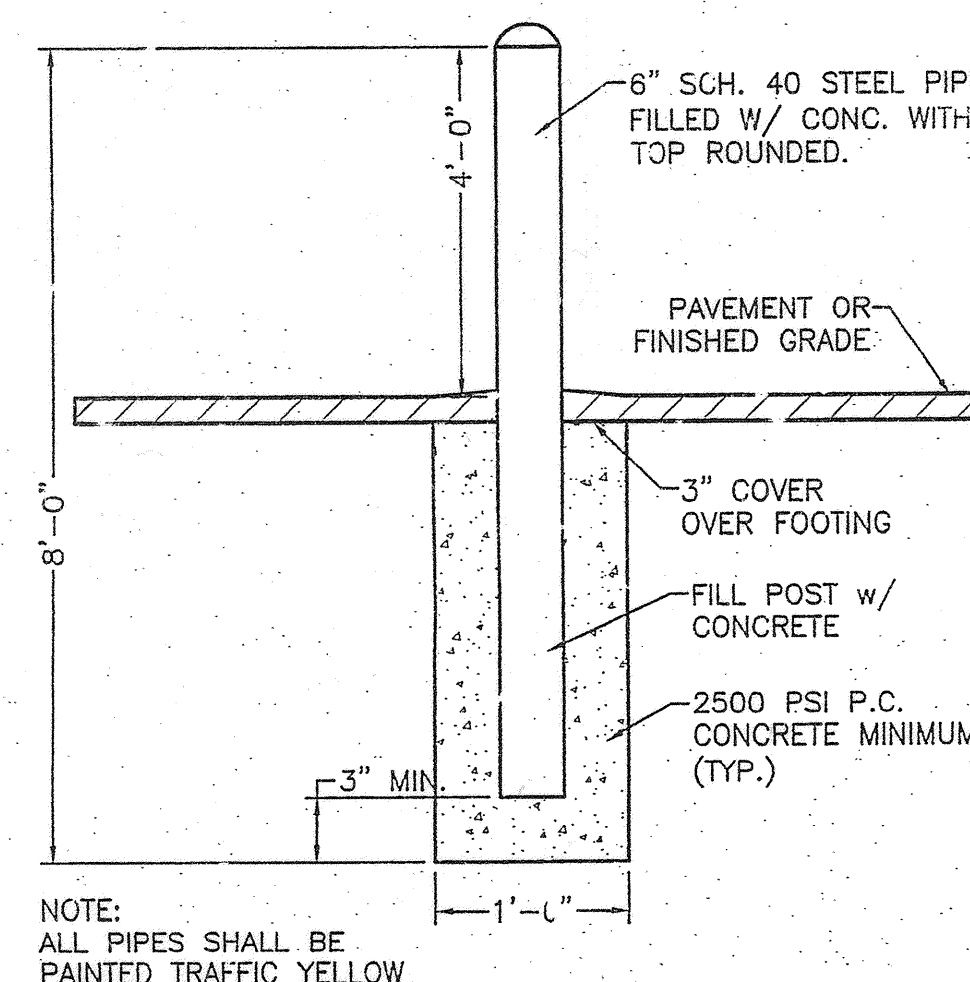
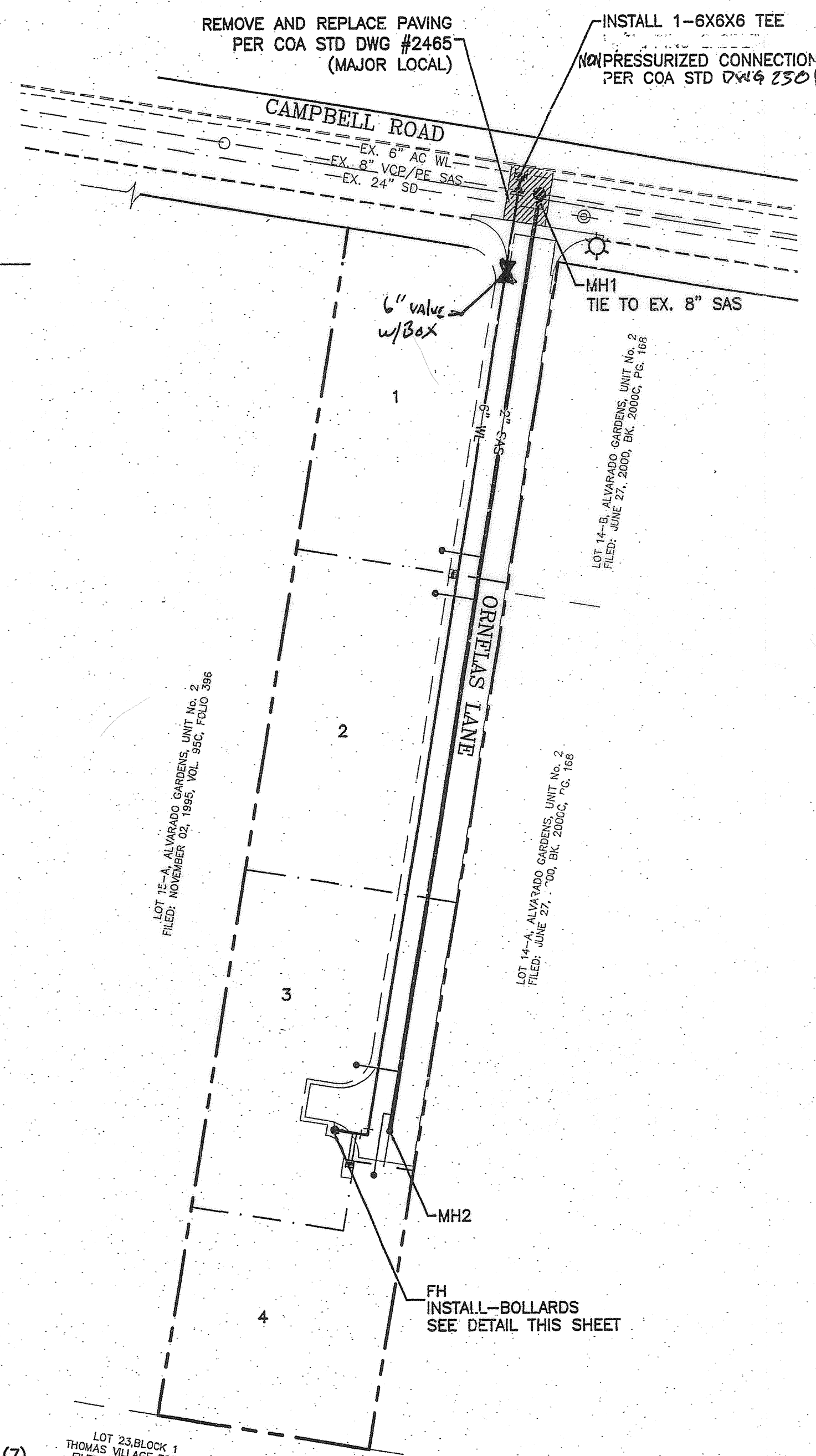
A schematic diagram of a telephone booth layout. The booth is rectangular with a width of 2' and a depth of 54". The layout includes a 'GAS LINE' at the top, a 'TELEPHONE' on the left wall, a 'PNM' (Payphone) and 'PRIMARY' on the bottom wall, and a 'CABLE TV' on the right wall. Dimensions are indicated with arrows: 2' for the width, 54" for the depth, and 24" for the distance from the top wall to the telephone.

NOTICE TO CONTRACTORS

19. ALL IMPACTED STRIPING SHALL BE REPLACED BY CONTRACTOR.
20. MANHOLE STEPS SHALL NOT BE INSTALLED IN SAS MANHOLES.
21. ALL SOLID WASTE (TRASH) PICK-UP SHALL BE CURBSIDE ALONG CAMPBELL ROAD. NO SOLID WASTE PICK-UP SHALL TAKE PLACE IN ORNELLOS LANE.

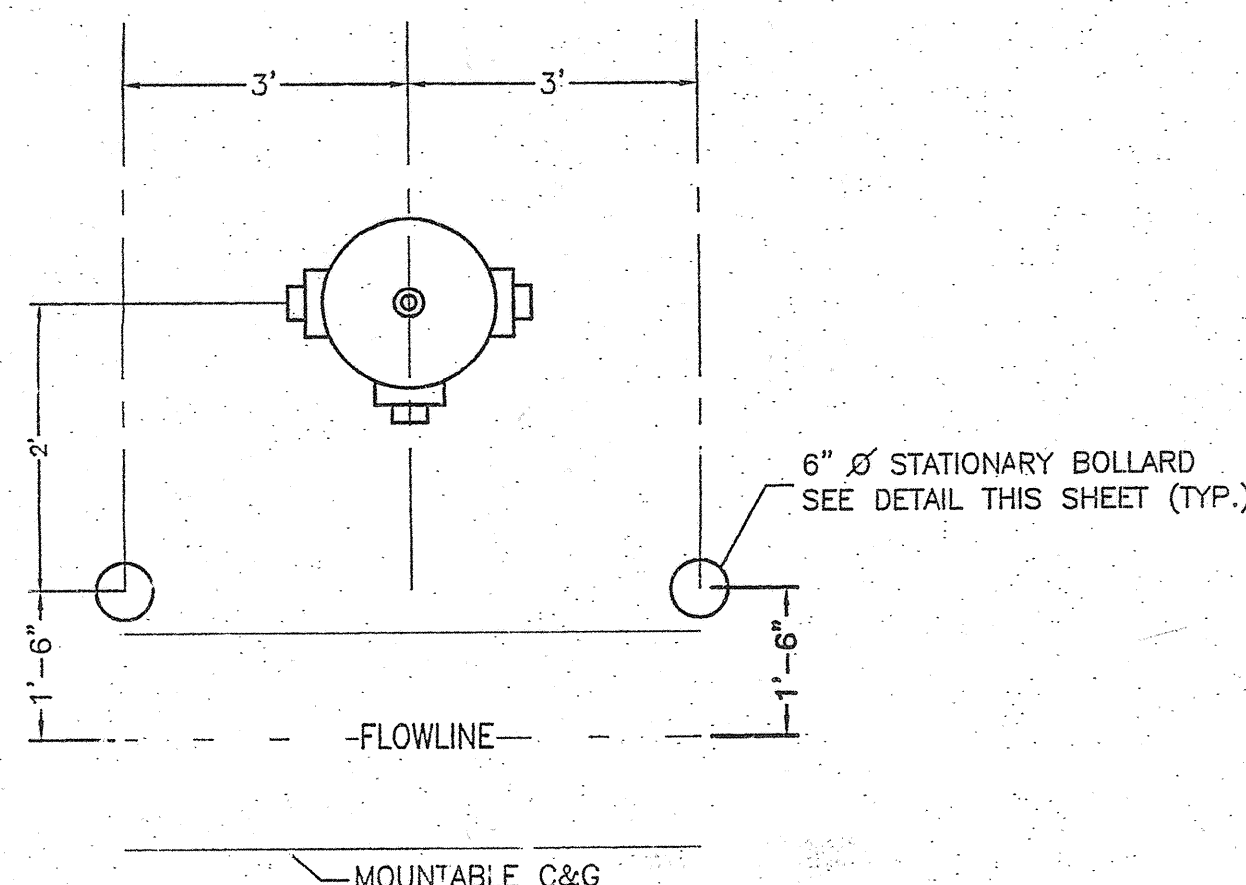
R.C. Long 10-2-07

BOLLARD PLACEMENT DETAIL



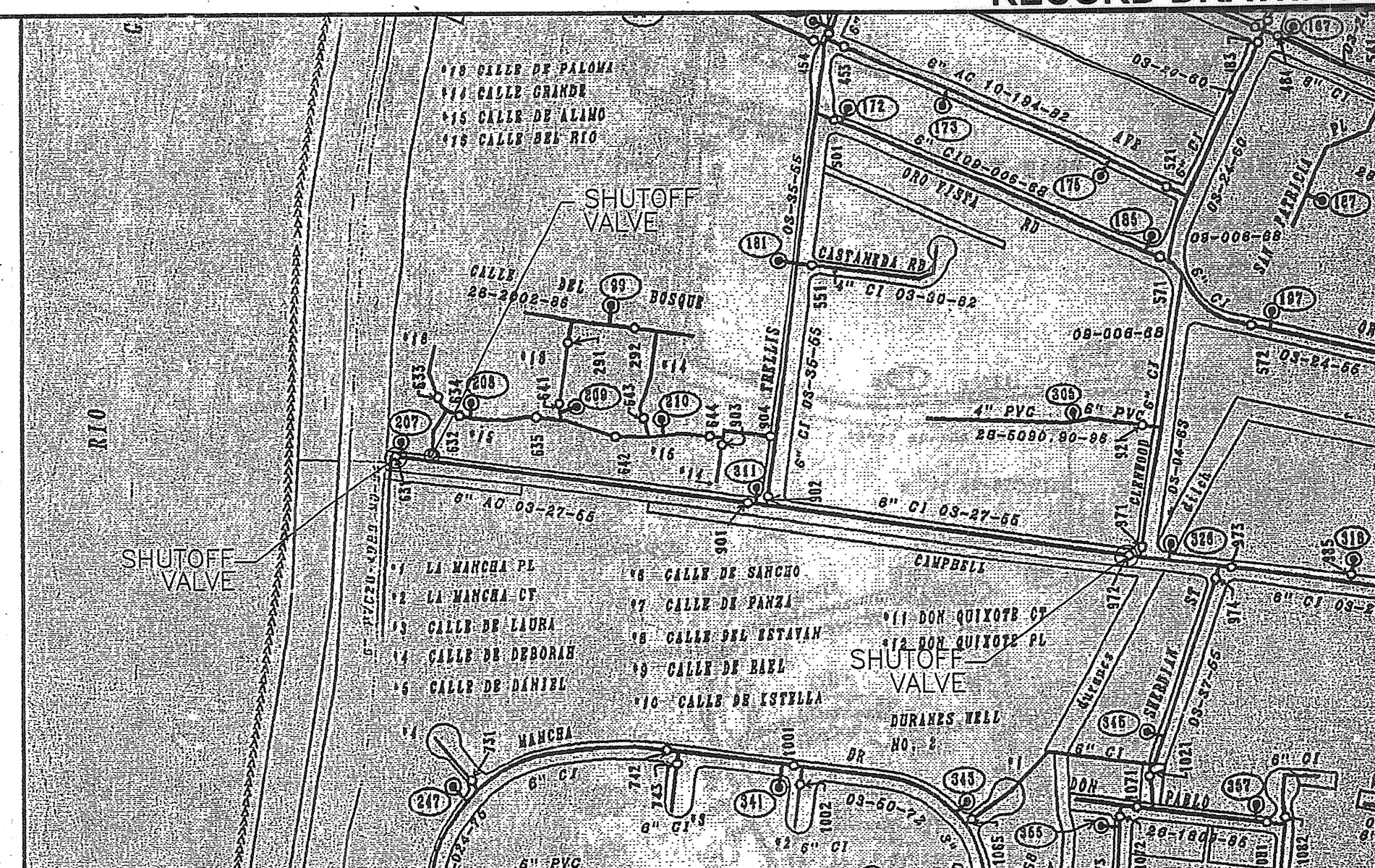
BOLLARD DETAIL

NTS



GRAPHIC SCALE

SCALE: 1"=50'



WATER SHUTOFF PLAN:

SHUTOFF VALVES:
631, 632, 901

WATER SHUTOFF NOTES:

1. ONLY WATER SYSTEMS PERSONNEL ARE AUTHORIZED TO OPERATE VALVES.
2. NOTIFY ABCWUA (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 THE VALVES INDICATED IN THE PLAN ABOVE.

LEGEND

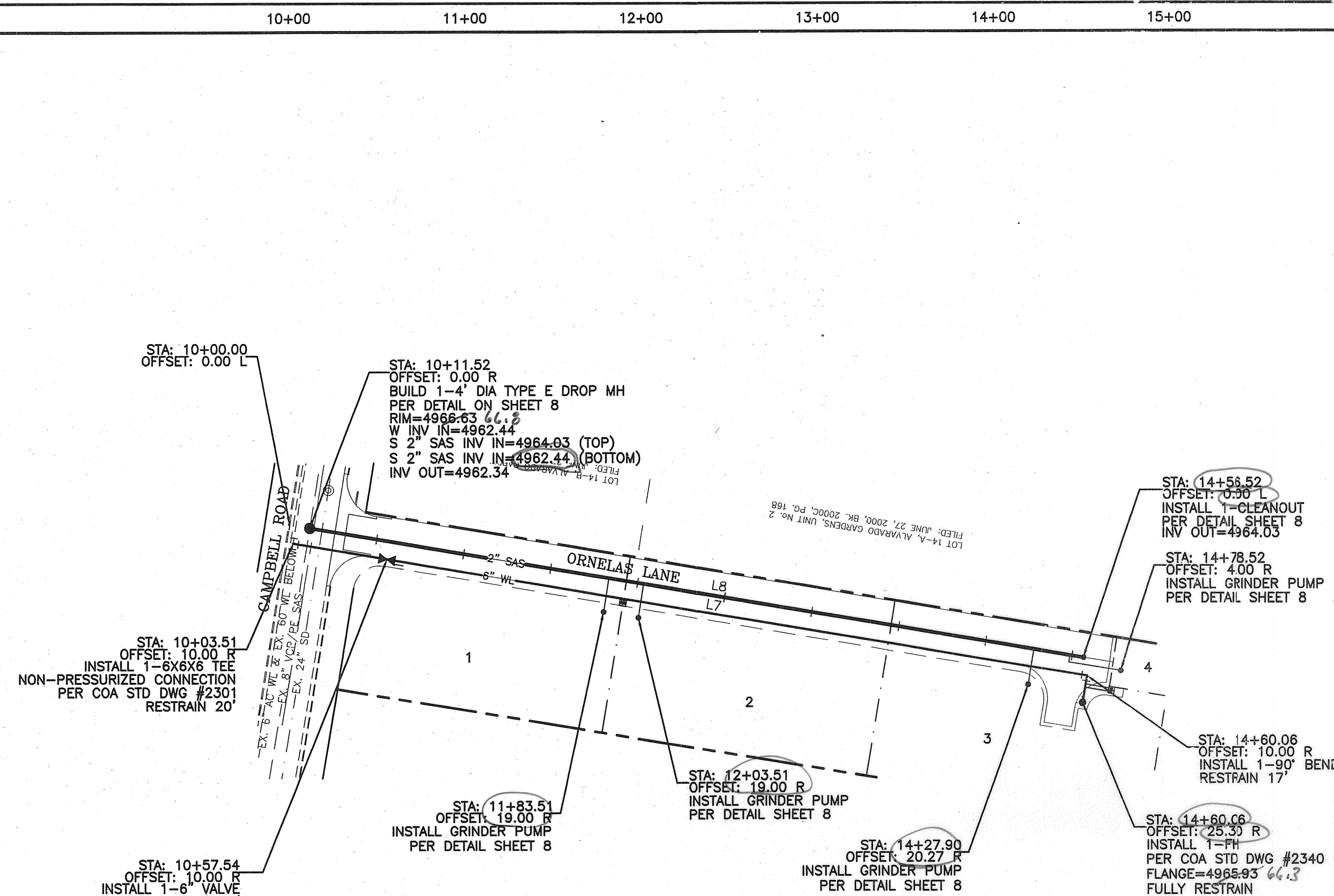
	EXISTING STORM SEWER MANHOLE
--- EX. 42" SD ---	EXISTING STORM SEWER LINE
	EXISTING SAS MANHOLE
--- EX. 8" SAS ---	EXISTING SANITARY SEWER LINE
	PROPOSED SAS MANHOLE
	DIRECTION OF FLOW
===== 8" SAS =====	PROPOSED SANITARY SEWER LINE
=====	PROPOSED SAS SERVICE LINE
	EXISTING VALVE W/BOX
	EXISTING FIRE HYDRANT
----- EX. 12" WL -----	EXISTING WATER LINE
	PROPOSED MANHOLE
	PROPOSED VALVE W/BOX
	PROPOSED FIRE HYDRANT
===== 8" WL =====	PROPOSED WATER LINE
=====	PROPOSED WATER SERVICE LINE
=====	EXISTING CURB & GUTTER
=====	PROPOSED CURB & GUTTER
=====	BOUNDARY LINE
-----	CENTERLINE
-----	RIGHT-OF-WAY
-----	LOT LINES
	STREET LIGHTS



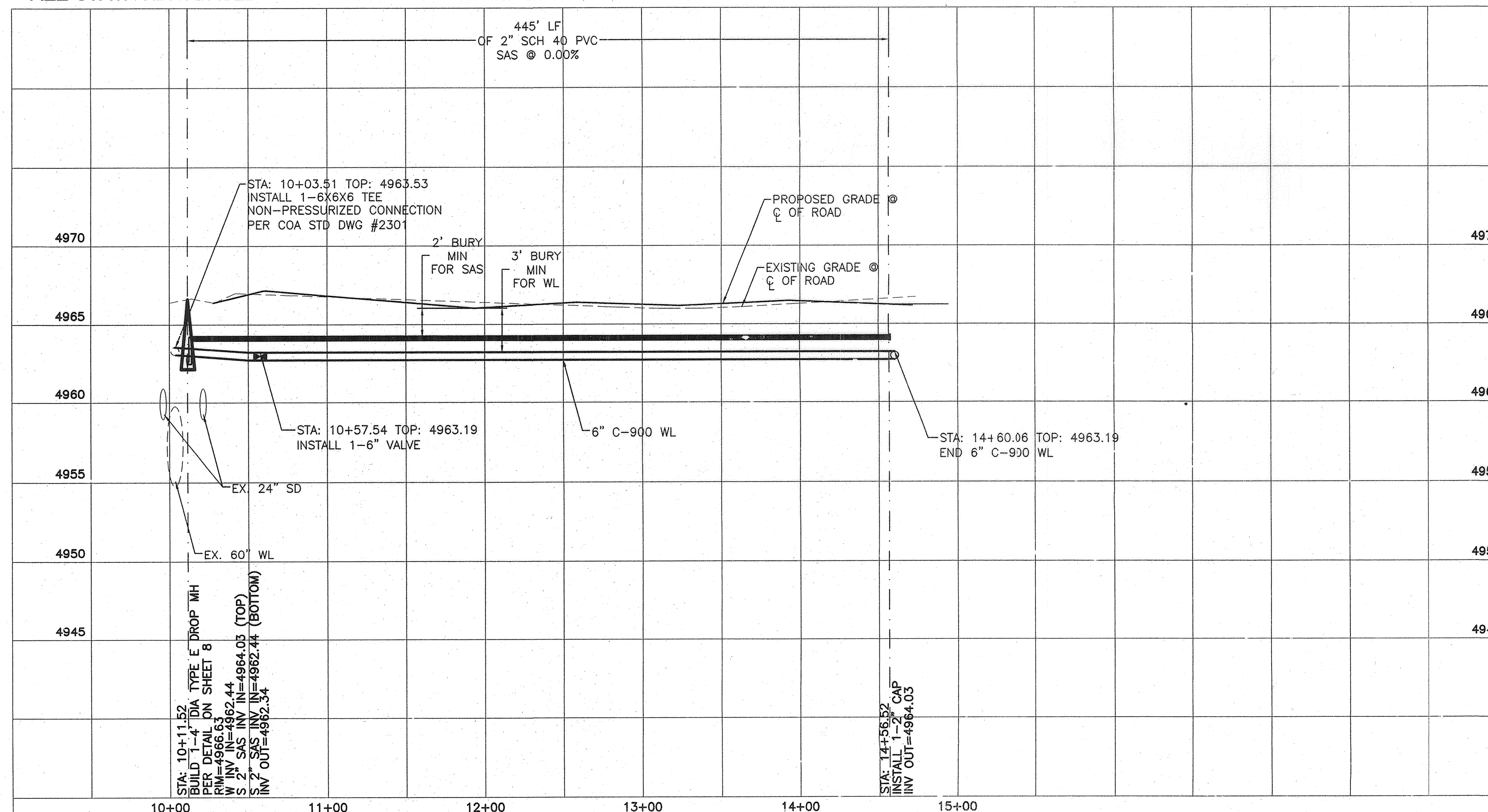
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: **CAMPBELL ESTATES SUBDIVISION**
MASTER UTILITY PLAN

DESIGN REVIEW COMMITTEE 		CITY ENGINEER APPROVAL 		LAST DESIGN UPDATE 	MO./DAY/YR.	MO./DAY/YR.
CITY PROJECT NO. 703884		ZONE MAP NO. 6-12-Z			SHEET 6	OF 8

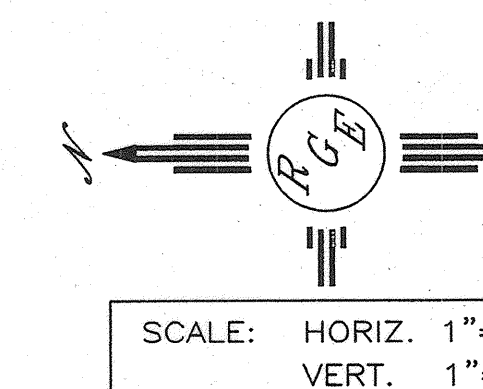


ORNELAS LANE
STA: 10+00.00 TO 14+73.52
***-ALL STATIONING BASED UPON PROPOSED CENTERLINE**



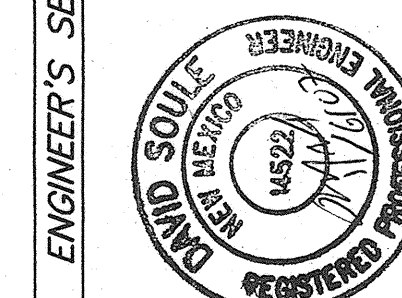
- NOTE:
1. SEE MASTER UTILITY PLAN FOR SANITARY SEWER SERVICE CONNECTION DETAILS.
 2. ALL FIRE HYDRANTS ARE TO BE BUILT PER C.O.A. STD DWG #2340 FULLY RESTRAINED
 3. ALL EXISTING UTILITY CONNECTION LOCATIONS AND INVERTS MUST BE FIELD VERIFIED PRIOR TO CONSTRUCTION OF UTILITIES.
 4. WATER VALVES SHALL BE PER COA STD DWG #2326, 2328, 2461.
 5. ALL WATER SERVICES SHALL BE PER COA STD DWG #2361, 2362, 2366, 2368
 6. ALL WATER SERVICES SHALL BE 3/4".
 7. ALL WATER METER BOX LIDS SHALL BE HEAVY DUTY FOR LIGHT TRAFFIC.
 8. ALL METER BOXES SHALL HAVE A DUAL-CHECK VALVE ASSEMBLY FOR BACKFLOW PREVENTION.
 9. ENTIRE PROPOSED SAS SYSTEM SHALL BE PER DETAILS ON SHEET 8.

CAUTION:
EXISTING UTILITIES ARE SHOWN FOR REFERENCE ONLY. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO ANY EXCAVATION TO DETERMINE THE ACTUAL LOCATION OF UTILITIES & OTHER IMPROVEMENTS.

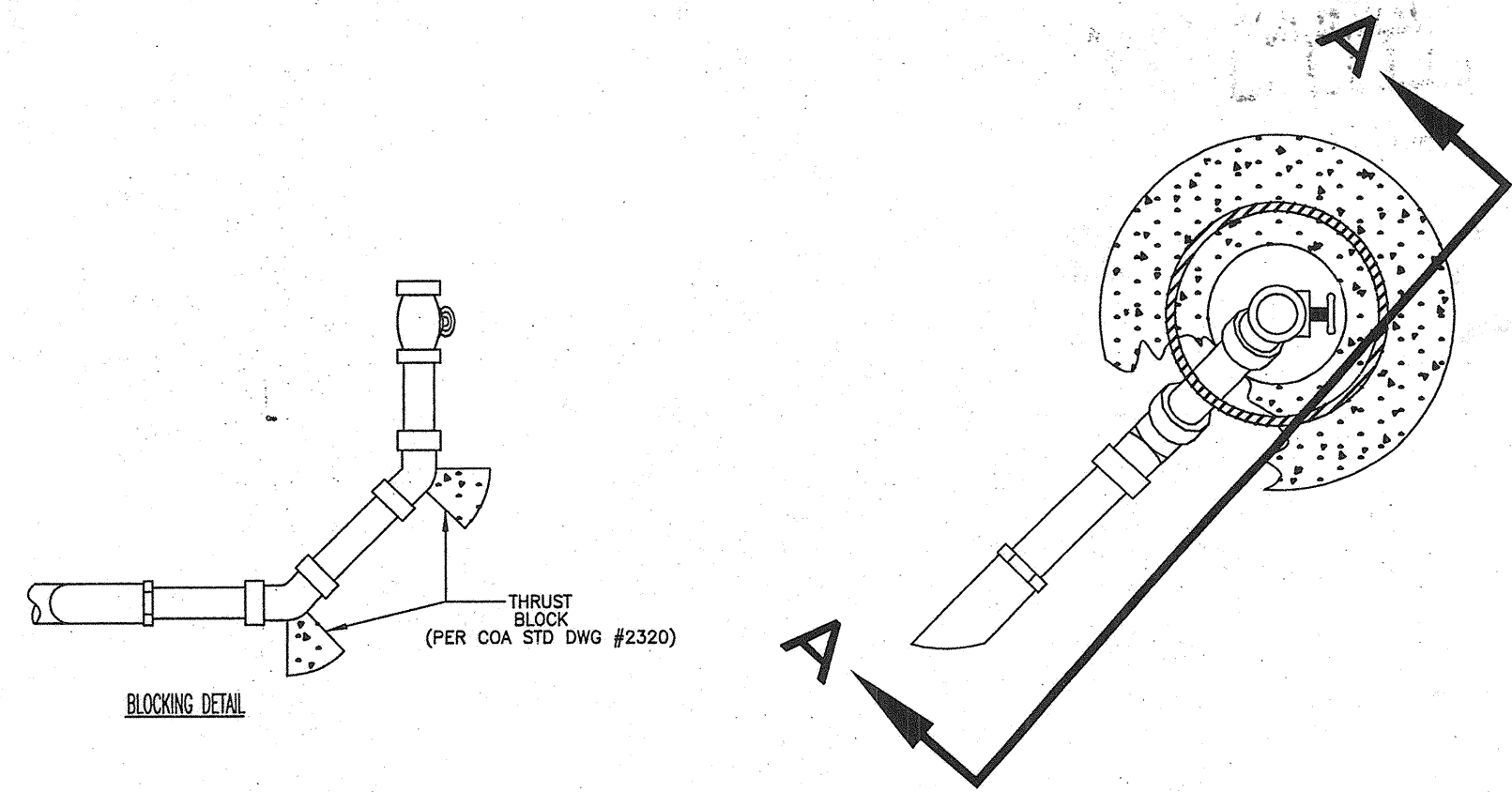


 Rio Grande Engineering 1606 CENTRAL AVENUE SE SUITE 201 ALBUQUERQUE, NM 87108 (505) 872-0999	
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP	
TITLE: CAMPBELL ESTATES SUBDIVISION UTILITY IMPROVEMENTS ORNELAS LANE	
DESIGN REVIEW COMMITTEE CITY ENGINEER APPROVAL LAST DESIGN UPDATE	MO./DAY/YR. MO./DAY/YR. MO./DAY/YR. MO./DAY/YR.
CITY PROJECT NO. 703884 ZONE MAP NO. G-12-Z	SHEET 7 OF 8

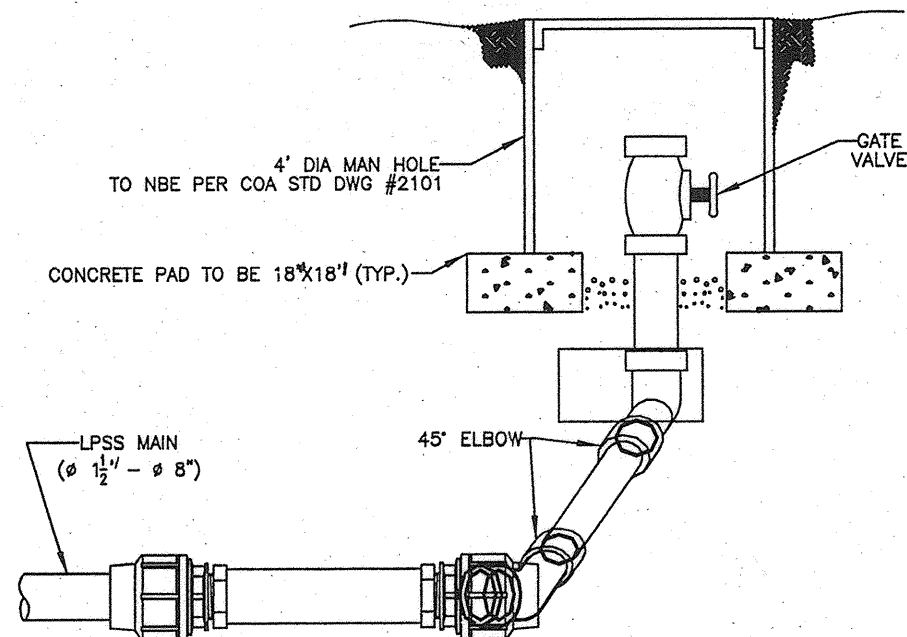
Certification
THE CHANGES SHOWN HEREON ARE BASED UPON A FIELD SURVEY CONDUCTED BY ME OR UNDER MY SUPERVISION AND REFLECT THE LOCATIONS (VERTICALLY AND HORIZONTALLY) TO THE BEST OF MY KNOWLEDGE AND BELIEF.



SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
NO.	DATE	STATION	USCE	CONTRACTOR	DATE
		X = 371706.58	R. 898 C-1		
		Y = 1499371.61			
		GROUND TO GRID = 0.9996813			
		DELTA ALPHA = -0014'46"			
		NEW MEXICO STATE PLANE			
		COORDINATE SYSTEM			
		CENTRAL ZONE			
		NAD 1927			



PLAN VIEW



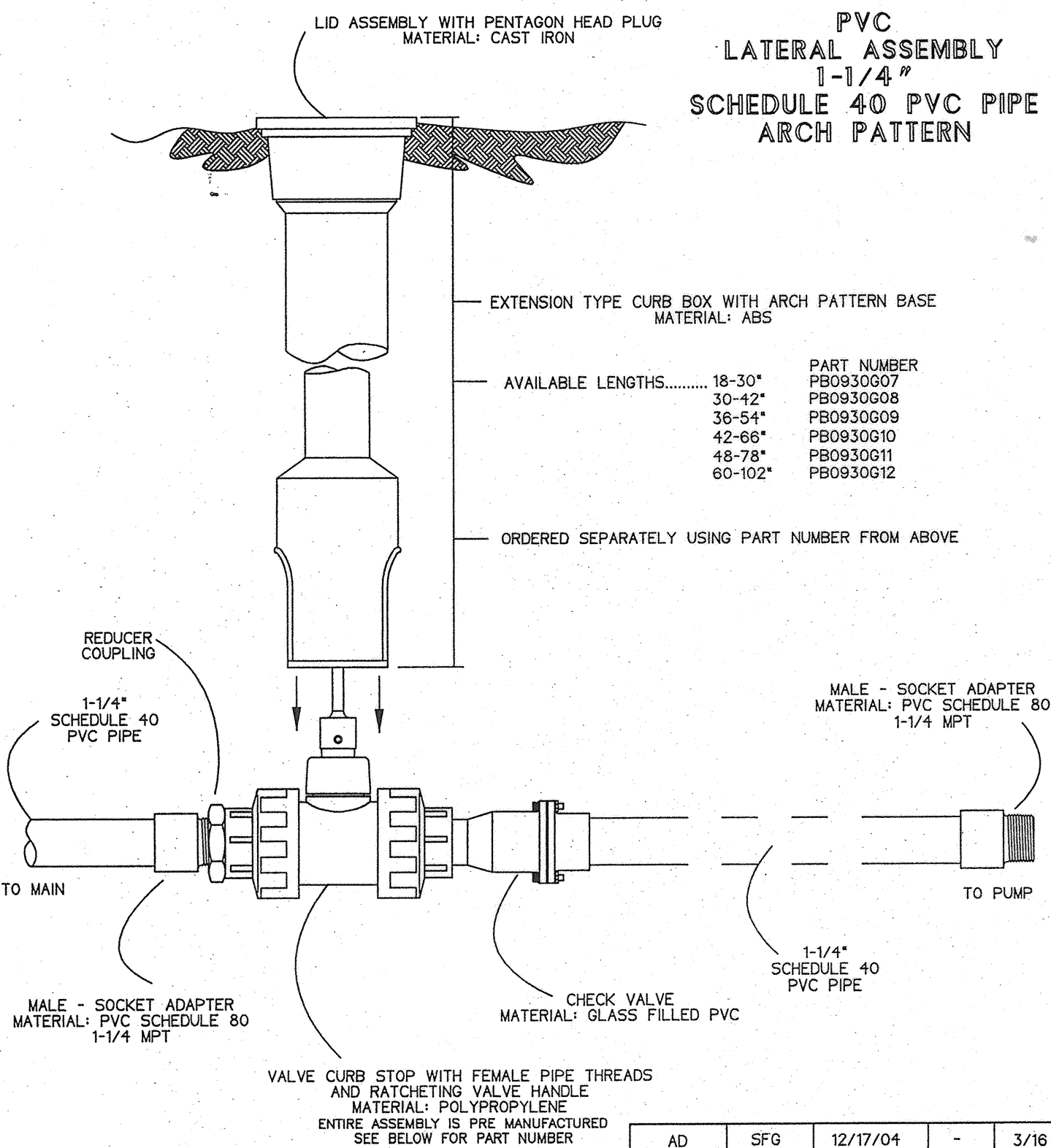
SECTION A-A

TYPICAL FLUSHING CONNECTION ON END OF LPSS MAIN

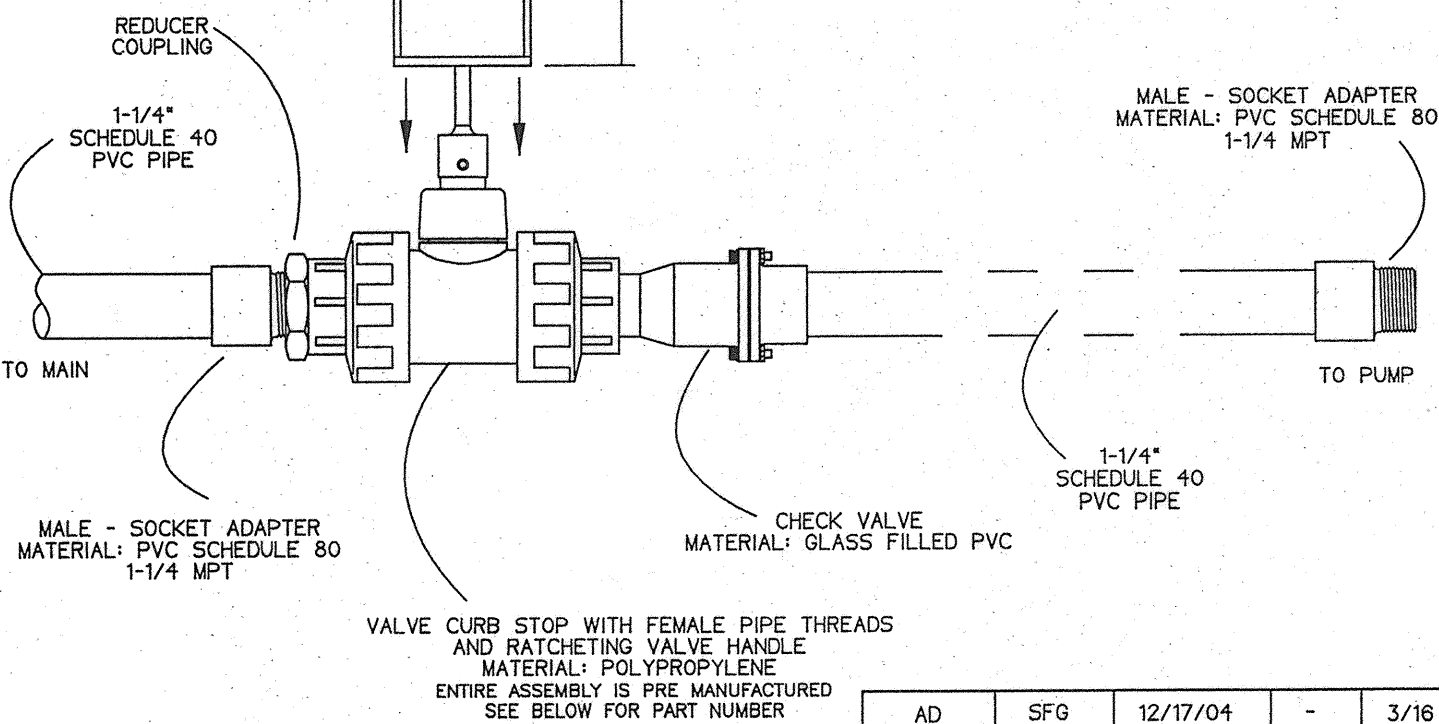
environmentone
CORPORATION

environmentone
CORPORATION

LM000115 REV. -

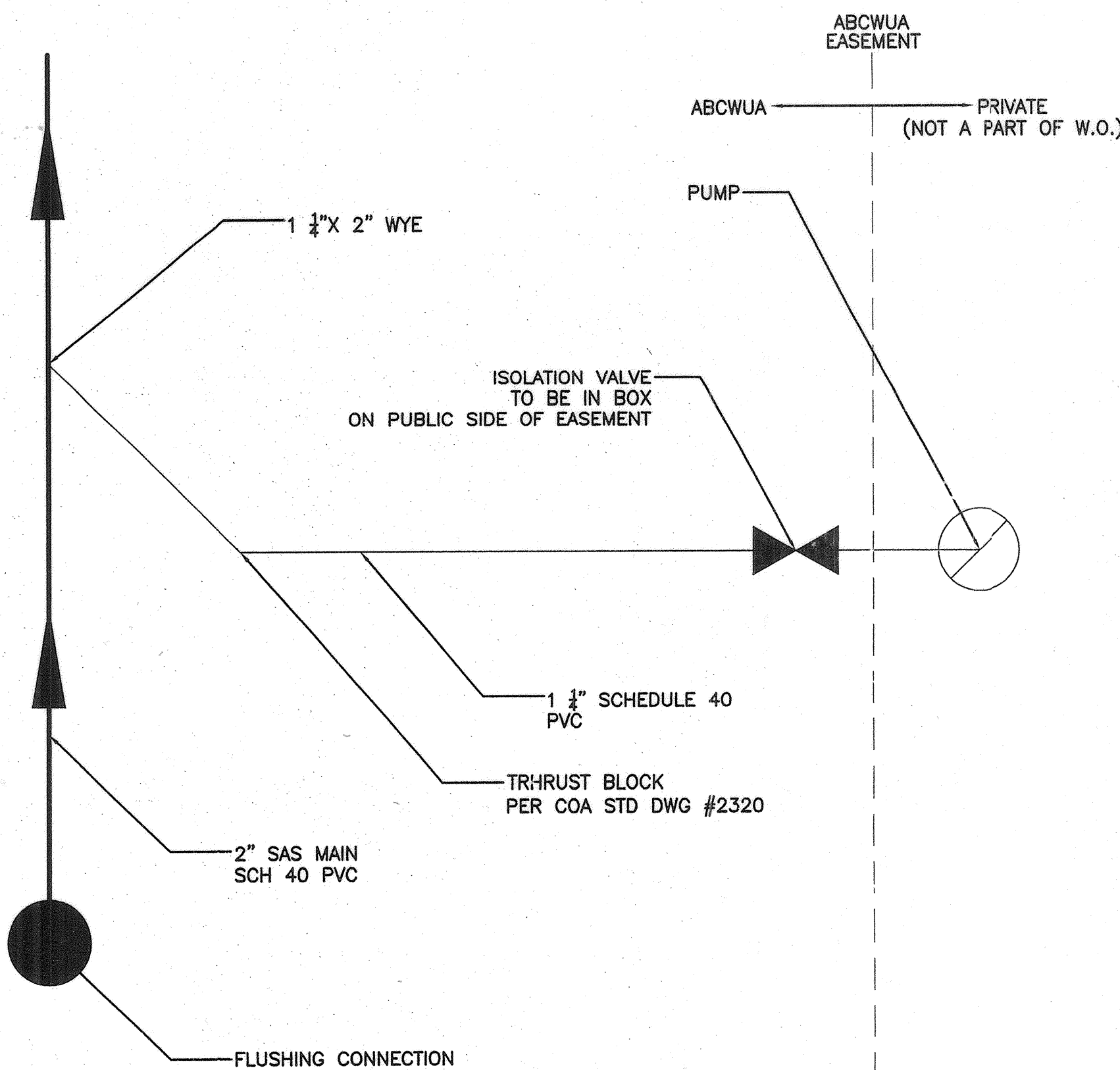


PVC LATERAL ASSEMBLY
1-1/4" SCHEDULE 40 PVC PIPE
ARCH PATTERN

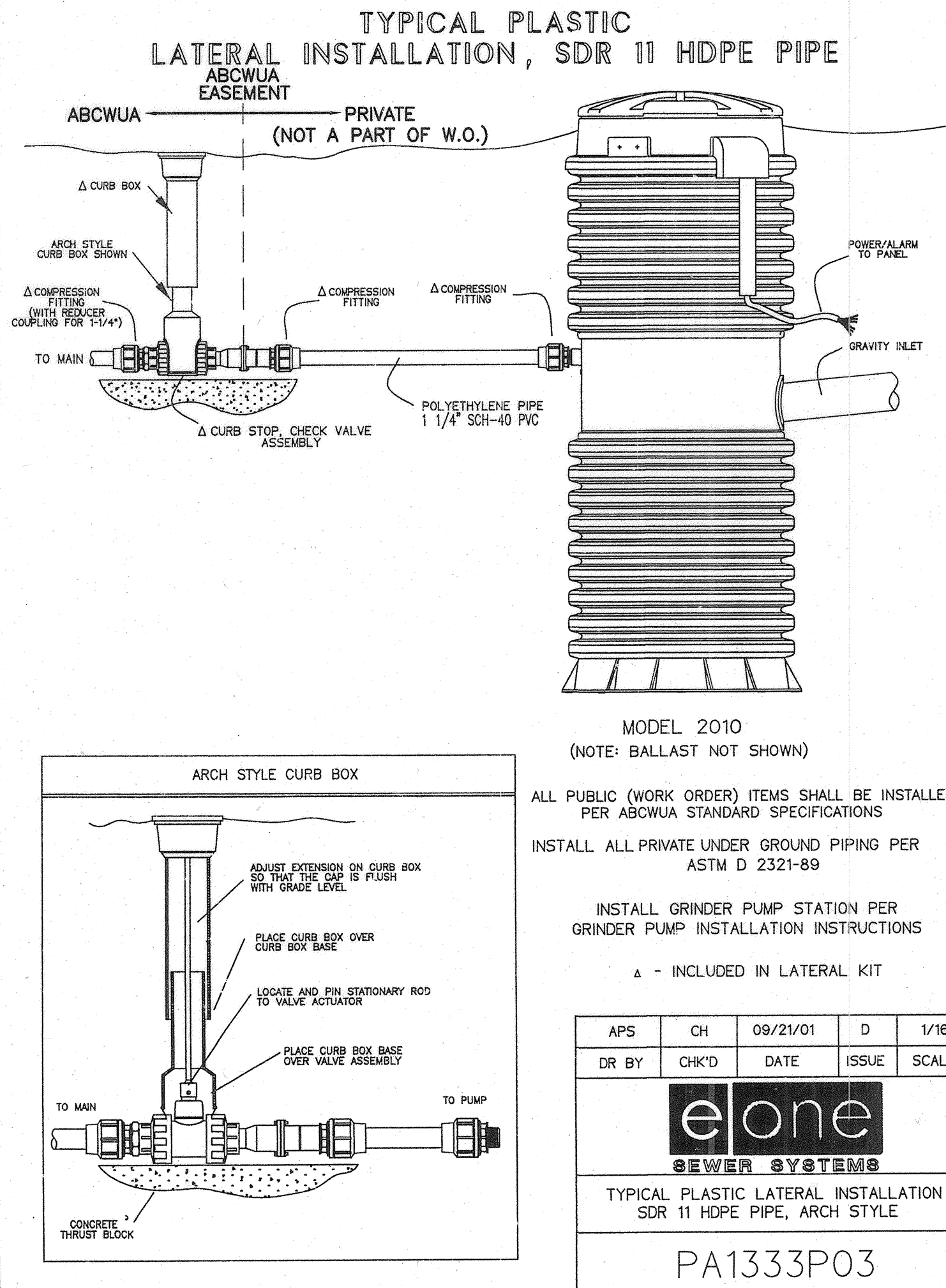


PRESSURE RATING: 150 psi
CONTRACTOR SHALL PROVIDE TESTING
ASSEMBLY TO BE USED WITH
1-1/4" PVC SCHEDULE 40 PIPE ONLY
TO ORDER LATERAL ASSEMBLY SHOWN,
USE PART NUMBER PC0845G23.
ORDER CURB BOX SEPARATE; SEE ABOVE.

AD	SFG	12/17/04	-	3/16
DR BY	CHK'D	DATE	ISSUE	SCALE
eone SEWER SYSTEMS				
PVC LATERAL ASSEMBLY 1-1/4" SCHEDULE 40 PIPE ARCH PATTERN				
PA1997P02				



CONNECTION DETAILS



TYPICAL PLASTIC LATERAL INSTALLATION, SDR 11 HDPE PIPE

MODEL 2010
(NOTE: BALLAST NOT SHOWN)
ALL PUBLIC (WORK ORDER) ITEMS SHALL BE INSTALLED
PER ABCWUA STANDARD SPECIFICATIONS
INSTALL ALL PRIVATE UNDER GROUND PIPING PER
ASTM D 2321-89
INSTALL GRINDER PUMP STATION PER
GRINDER PUMP INSTALLATION INSTRUCTIONS
A - INCLUDED IN LATERAL KIT

APS	CH	09/21/01	D	1/16
DR BY	CHK'D	DATE	ISSUE	SCALE
eone SEWER SYSTEMS				
TYPICAL PLASTIC LATERAL INSTALLATION SDR 11 HDPE PIPE, ARCH STYLE				
PA1333P03				

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP	
TITLE: CAMPBELL ESTATES SUBDIVISION SAS GRINDER PUMP DETAILS	
DESIGN REVIEW COMMITTEE APPROVED JAN 11 2008 DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL APPROVED JAN 17 2008 CITY ENGINEER
DESIGNED BY: WCMJ DATE: 6-05-07	DRAWN BY: WCMJ DATE: 6-05-07
DRAWN NAME: 2712-DRC-2-01-07.DWG	CHECKED BY: DS DATE: 6-06-07
CITY PROJECT NO. 703884	ZONE MAP NO. 6-12-7
SHEET 8	OF 8

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	STATION: USCE R. 898 C-1	DATE	DATE	NO.	BY	NO.	BY
WORK STARTED BY: C.T.	X = 371706.58	DATE	DATE				
INSPECTED BY: J.C.	Y = 1499371.61	DATE	DATE				
FIELD NOTES BY: J.C.	GROUND TO GRID = 0.9996813	DATE	DATE				
REVISIONS BY: J.C.	DELTA ALPHA = -001446"	DATE	DATE				
CORRECTED BY: J.C.	NEW MEXICO STATE PLANE	DATE	DATE				
MICRO-FILM INFORMATION	COORDINATE SYSTEM	DATE	DATE				
RECORDED BY: J.C.	CENTRAL ZONE	DATE	DATE				
NO.	NAD 1927	DATE	DATE				