

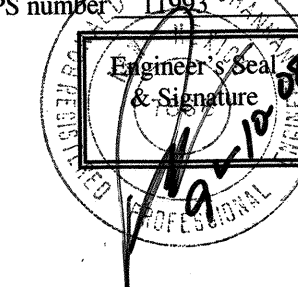
CONSTRUCTION PLANS FOR FRATERNAL ORDER OF POLICE OFF-SITE IMPROVEMENTS

ALBUQUERQUE
BERNALILLO COUNTY, NEW MEXICO
2007

FW

CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Ronald R. Bohannon, of the firm of Tierra West 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 with survey information provided by Larry Medrano, of Precision Surveys, N.M.P.S. number 11984.



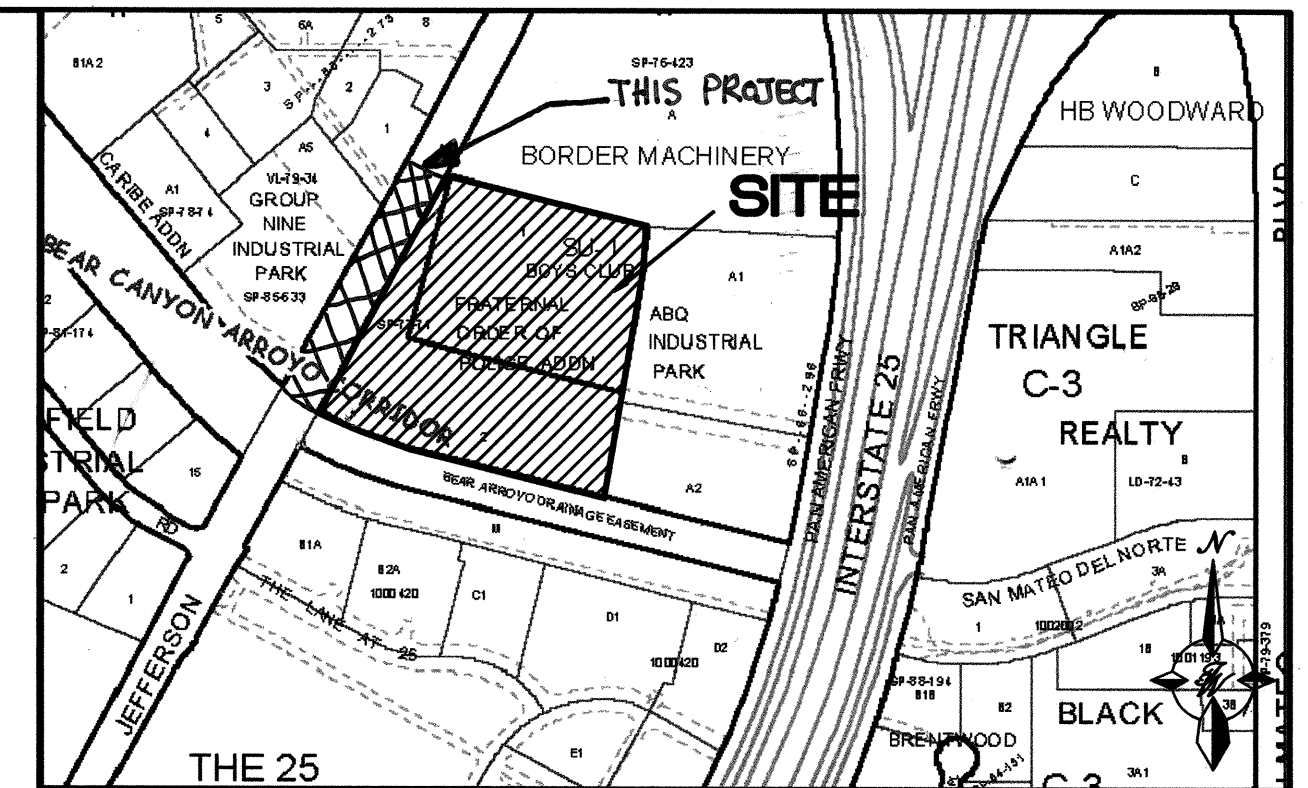
DRB Project # 1004901

INDEX TO DRAWINGS

1. TITLE SHEET
2. PLAT
3. SITE PLAN
4. GRADING PLAN
5. JEFFERSON BLVD.-STRIPING AND PAVING PLAN
6. JEFFERSON BLVD.-UTILITY PLAN
7. UTILITY PLAN
8. CONSTRUCTION DETAILS

RECORD DRAWING

APPROVED AS RECORD DRAWINGS
DESIGN REVIEW SECTION
CITY CONSTRUCTION ENGINEER
Anthony J. J.
DATE: 02/10/09



VICINITY MAP

E-17-Z
NOT TO SCALE

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 (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 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 CONTRACTORS EXPENSE.
8. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY AND ALL GRAFFITI FROM EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.
9. 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.
10. 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.
11. ALL EXCAVATION, TRENCHING, AND SHORING ACTIVITIES MUST BE CARRIED-OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P.
12. ELECTRONIC MARKER DISKS (EMD) WILL BE PLACED ACCORDING TO SECTION 170 OF THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION AS REVISED THROUGH UPDATE #7.
13. CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING ALL CONSTRUCTION SIGNING UNTIL THE PROJECT HAS BEEN ACCEPTED BY THE CITY OF ALBUQUERQUE.

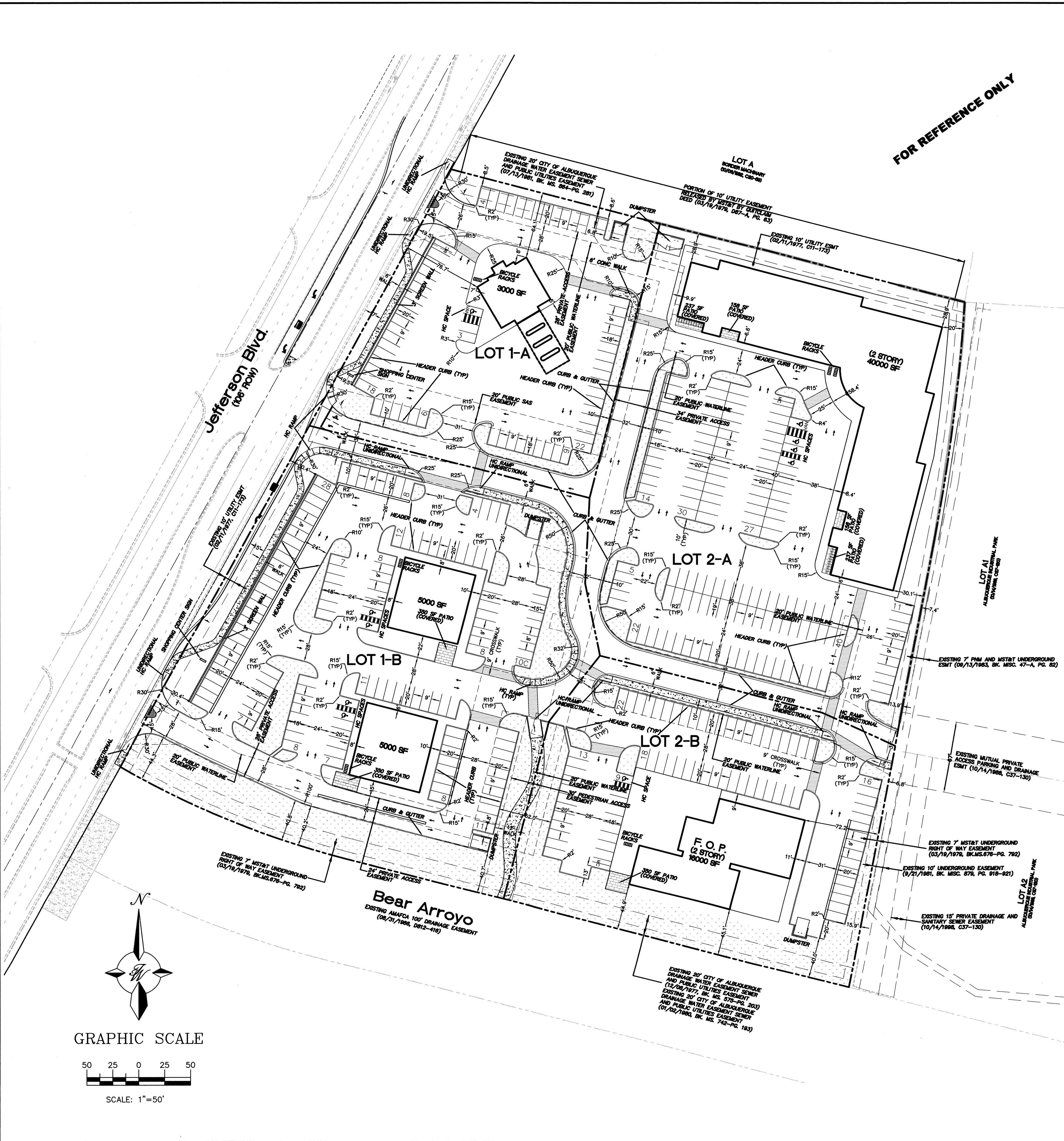
THE FOLLOWING NOTES ALSO APPLY WHEN CHECKED

- ☒ 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 PROJECT ENGINEER.
- ☒ 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.
- ☒ ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.

TIERRA WEST, LLC
8509 JEFFERSON NE
ALBUQUERQUE, NEW MEXICO 87113
(505)858-3100

REV	SHEETS	CITY ENGINEER	DATE	USER DEPT.	DATE	USER DEPT.	DATE
ENGINEERS STAMP & SIGNATURE		APPROVALS		ENGINEER		DATE	
		DRC Chairman		<i>Jan</i>		1-24-07	
		Transportation		<i>mm</i>		01/12/07	
		Water/Wastewater		<i>William G. Baker</i>		01/05/07	
		Hydrology		<i>Bradley A. Byler</i>		1/5/07	
		AMAFCA					
		Constr. Mngmt.					
		Constr. Coord.					
CITY PROJECT NO.				SHEET			
632481				1 OF 8			

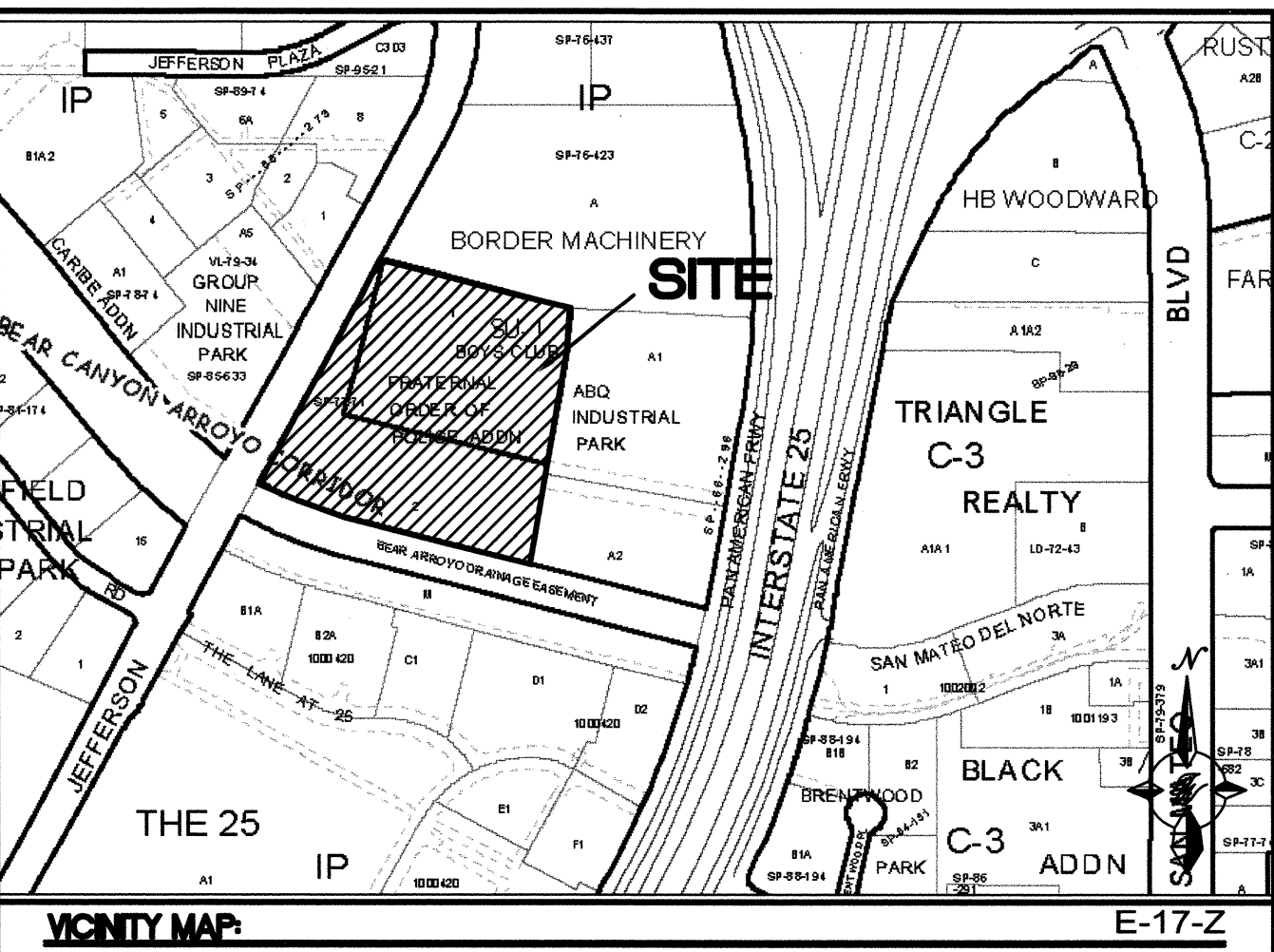
APPROVED FOR CONSTRUCTION
Robert D. J. 3-26-07
City Engineer Date



SITE DATA:

PROPOSED USAGE	COMMERCIAL
LOT AREAS	
LOT 1-A	66614 SF (1.53 AC)
LOT 1-B	136471 SF (3.13 AC)
LOT 2-A	135605 SF (3.11 AC)
LOT 2-B	82583 SF (1.90 AC)
TOTAL SITE	421273 SF (9.67 AC)
ZONING	IP
MAXIMUM FAR	0.35
MAXIMUM BUILDING HEIGHT	45'
MINIMUM BUILDING SETBACK	20'
LANDSCAPING REQUIREMENTS	
REQUIRED	15% OF PAVED SURFACE AND BUILDINGS

- GENERAL NOTES:**
1. COMMON STORM DRAINAGE, PEDESTRIAN, AND VEHICULAR ACCESS ACROSS NEW TRACTS IS GRANTED BY THIS SITE PLAN AND WILL BE GRANTED ON THE REPLAT.
 2. PEDESTRIAN ACCESS WILL BE PROVIDED ACROSS ALL LOTS INTERNALLY IN THE APPROVED SITE PLAN.
 3. LIGHT FIXTURES SHALL BE A MAXIMUM OF 25' WITH FULL CUT OFF SHIELDS ON FIXTURES SO THAT NO FUGITIVE LIGHT SHALL ESCAPE BEYOND THE PROPERTY LINE. THE LIGHT FIXTURES SHALL BE FULLY SHIELDED WITH HORIZONTAL LAMPS.
 4. THERE SHALL BE NO BACKLIT, PLASTIC, OR VINYL AWNINGS OR ILLUMINATED PLASTIC BANDING ON SIGNAGE.
 5. NO FREESTANDING CELL TOWERS OR ANTENNA SHALL BE PERMITTED. ANY WIRELESS COMMUNICATIONS FACILITIES SHALL BE INTEGRATED INTO THE BUILDING ARCHITECTURE.
 6. BUS STOPS ADJACENT TO THE PROPERTY, -ROUTE 151 BUS STOPS AT SINGER AVE AND JEFFERSON BLVD AND OSUNA AVE AND JEFFERSON BLVD
 7. TRAFFIC STOP SIGNS TO BE PLACED AT ALL INTERSECTIONS.
 8. A CROSS LOT DRAINAGE, ACCESS AND PARKING EASEMENT FOR THE BENEFIT OF LOTS 1-A, 1-B, 2-A AND 2-B SHALL BE MAINTAINED BY SAME, GRANTED BY PLAT.



LEGAL DESCRIPTION:
FRATERNAL ORDER OF POLICE ADDITION, TRACTS 1 AND 2

LEGEND

---	EXISTING CURB & GUTTER
---	PROPOSED CURB & GUTTER
---	BOUNDARY LINE
---	EXISTING BOUNDARY LINE
---	EASEMENT
---	CENTERLINE
---	RIGHT-OF-WAY
---	LOT LINES
---	SETBACK LINE
---	STRIPING
---	PROPOSED BUILDING
---	EXISTING SIDEWALK
---	PROPOSED SIDEWALK
---	PROPOSED CROSSWALK (PATTERN CONCRETE)
---	PROPOSED BIKERACK
---	PROPOSED SCREEN WALL
---	PROPOSED TREES, LANDSCAPING
---	LANDSCAPING

PROJECT NUMBER: 1004801
APPLICATION NUMBER:

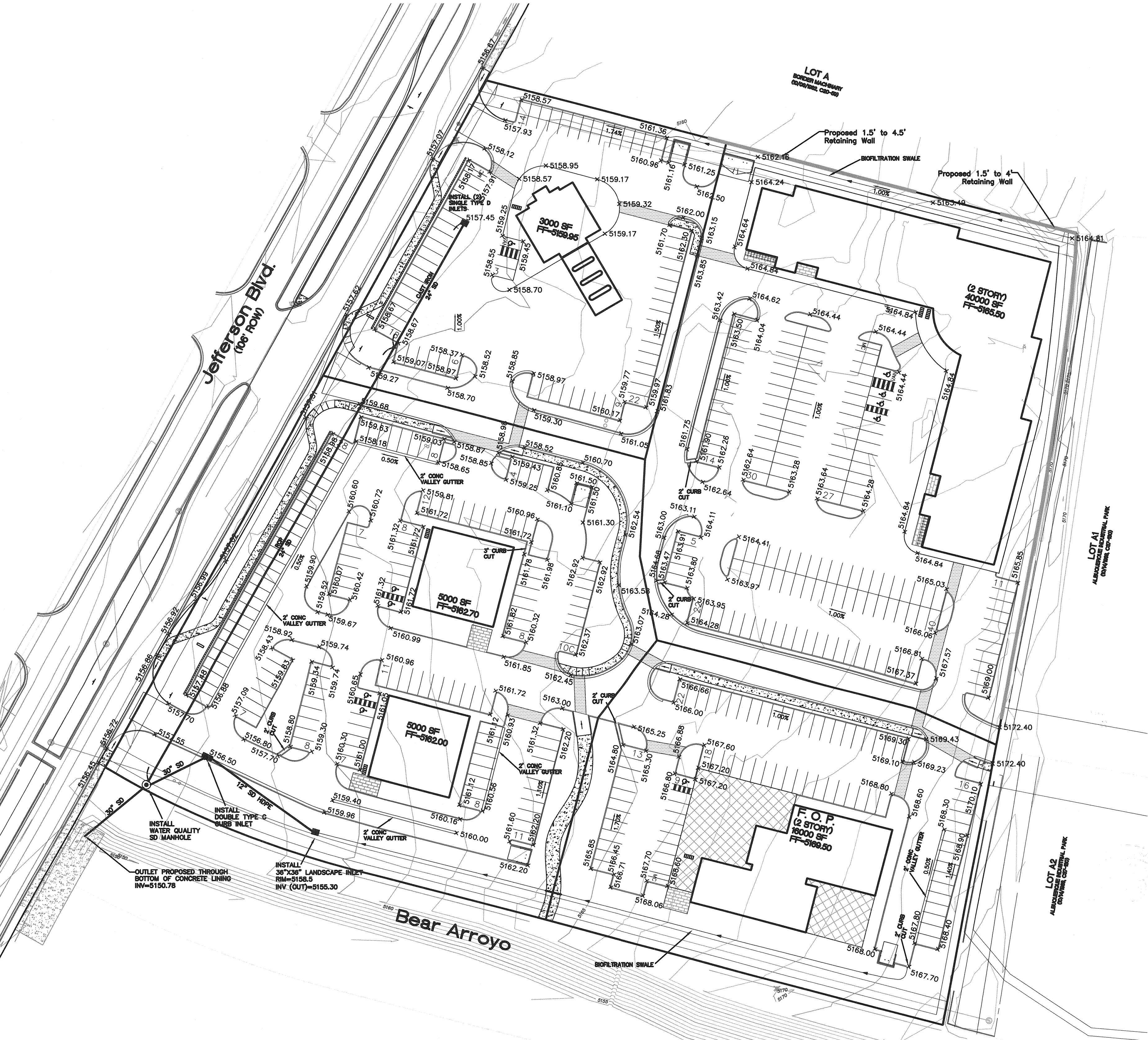
This plan is consistent with the specific Site Development Plan approved by the Environmental Planning Commission (EPC), dated and the Findings and the Findings and the Findings in the Official Notification of Decision are satisfied.

Is an infrastructure List required? () Yes () No If Yes, then a set of approved DRC plans with a work order is required for any construction within Public Right-of-Way or for construction of public improvements.

DRB SITE DEVELOPMENT PLAN SIGNOFF APPROVAL:

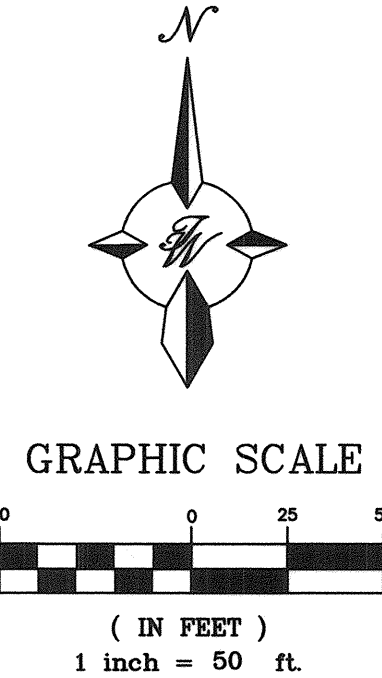
Traffic Engineer, Transportation Division	Date
Water Utility Development	Date
Parks & Recreation Department	Date
City Engineer	Date
* Environmental Health Department (conditional)	Date
Solid Waste Management	Date
DRB Chairperson, Planning Department	Date
* Environmental Health, if necessary	

	FRATERNAL ORDER OF POLICE	DRAWN BY DY
	SITE PLAN FOR SUBDIVISION	DATE 1-04-2007
	TIERRA WEST, LLC 5571 MIDWAY PARK PLACE NE ALBUQUERQUE, NEW MEXICO 87109 (505)858-3100	2516-SPB.dwg
		SHEET # 3 of 8
		JOB # 25016

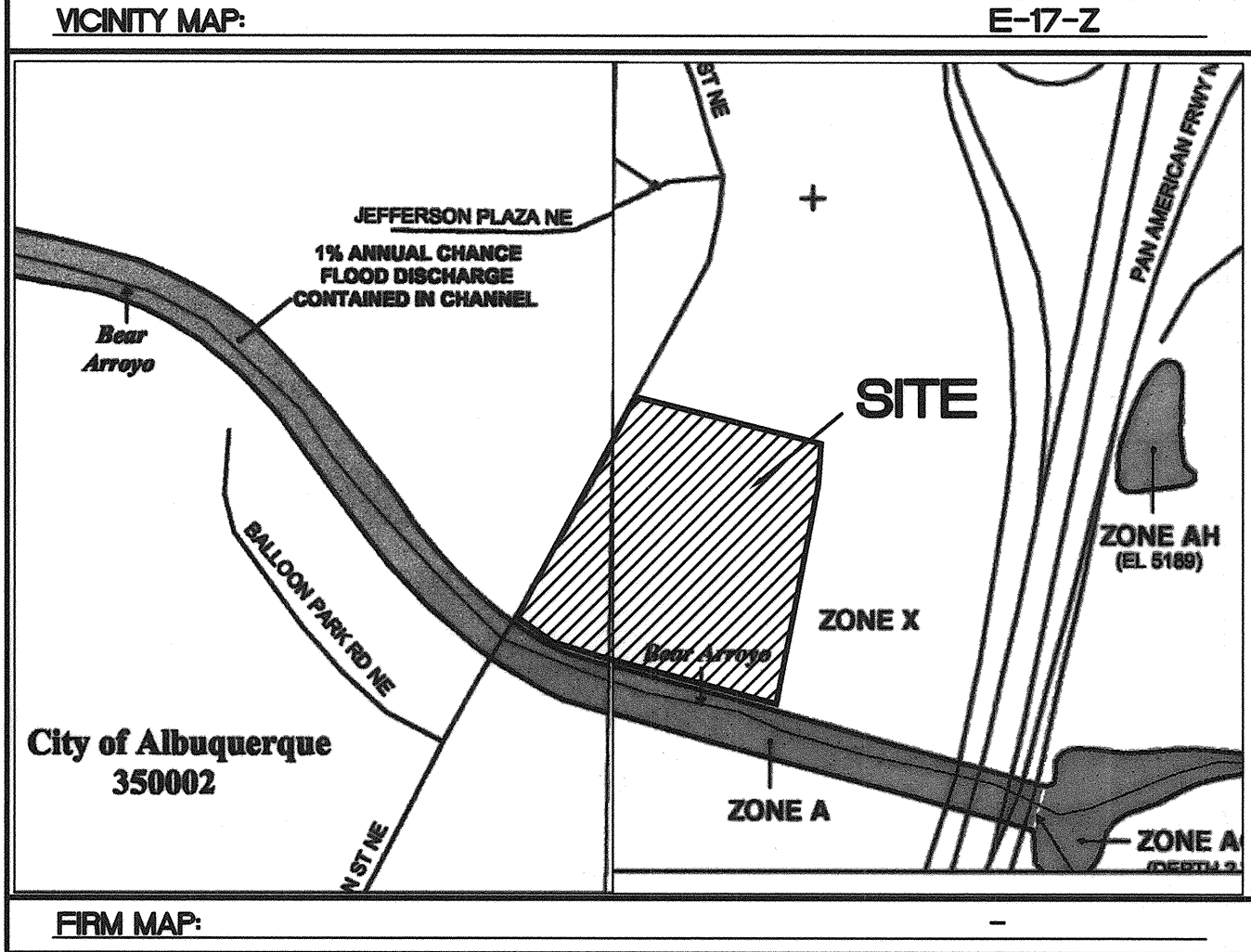
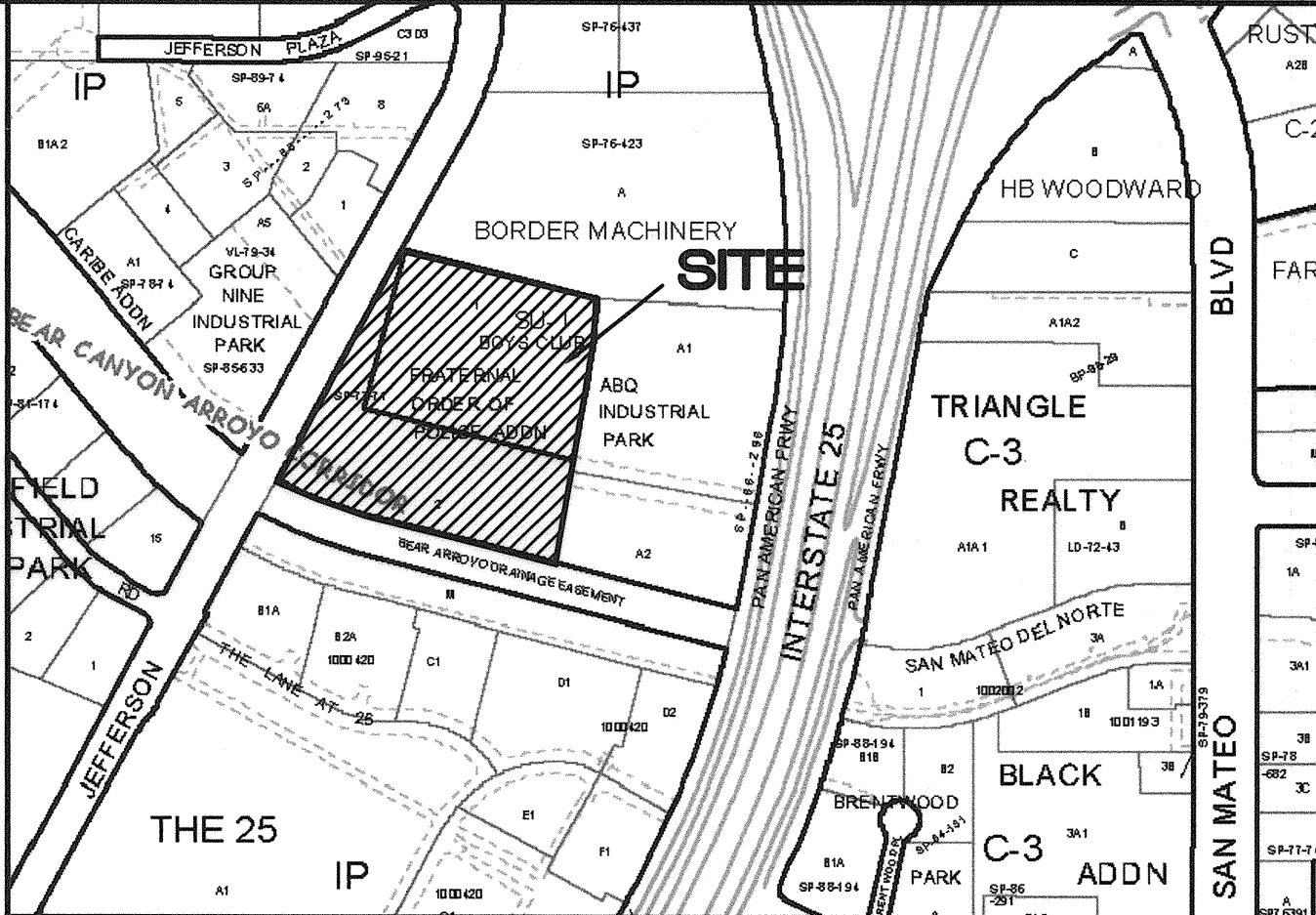


- EROSION CONTROL NOTES:**
1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A GRADING PERMIT PRIOR TO BEGINNING WORK.
 2. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING RUN-OFF ON SITE DURING CONSTRUCTION.
 3. CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT THAT GETS INTO EXISTING RIGHT-OF-WAY.
 4. REPAIR OF DAMAGED FACILITIES AND CLEANUP OF SEDIMENT ACCUMULATIONS ON ADJACENT PROPERTIES AND IN PUBLIC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.
 5. ALL EXPOSED EARTH SURFACES MUST BE PROTECTED FROM WIND AND WATER EROSION PRIOR TO FINAL (CITY) ACCEPTANCE OF ANY PROJECT.
 6. ALL EPA REGULATIONS WILL BE REQUIRED ON THE PROJECT. A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) WILL BE PREPARED IDENTIFYING ALL CONTROL MEASURES ON THE PROJECT.
 7. A PLAN IDENTIFYING THE STAGING AREA LOCATION OF THE CONSTRUCTION WORK AREA WILL BE PREPARED AND SUBMITTED TO THE CITY OF SANTA FE WITH THE BUILDING PERMIT.

FOR REFERENCE ONLY



FOR REFERENCE ONLY

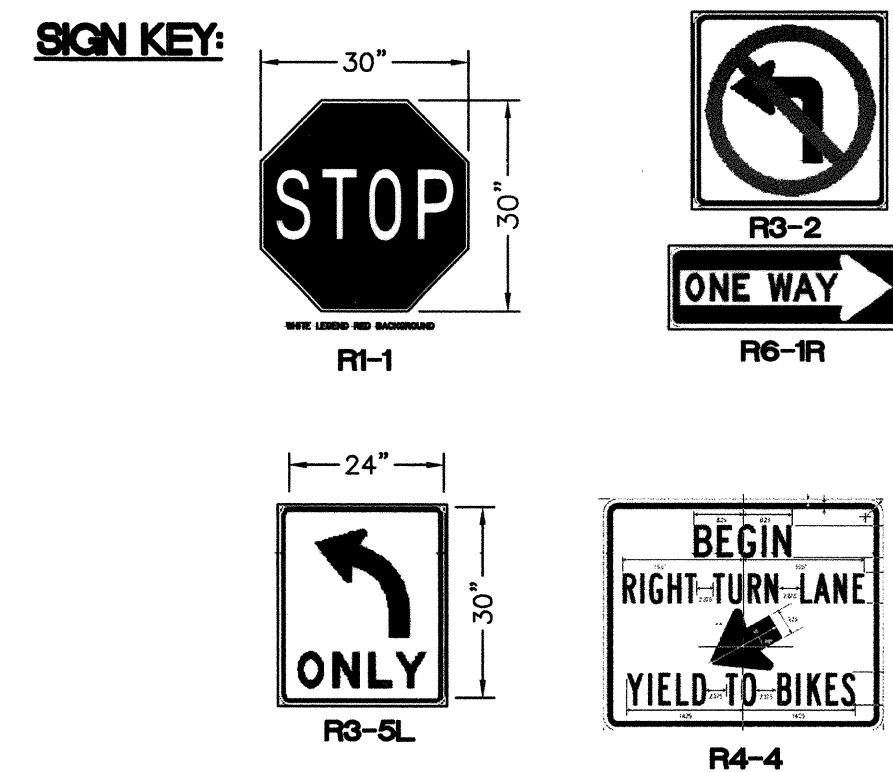
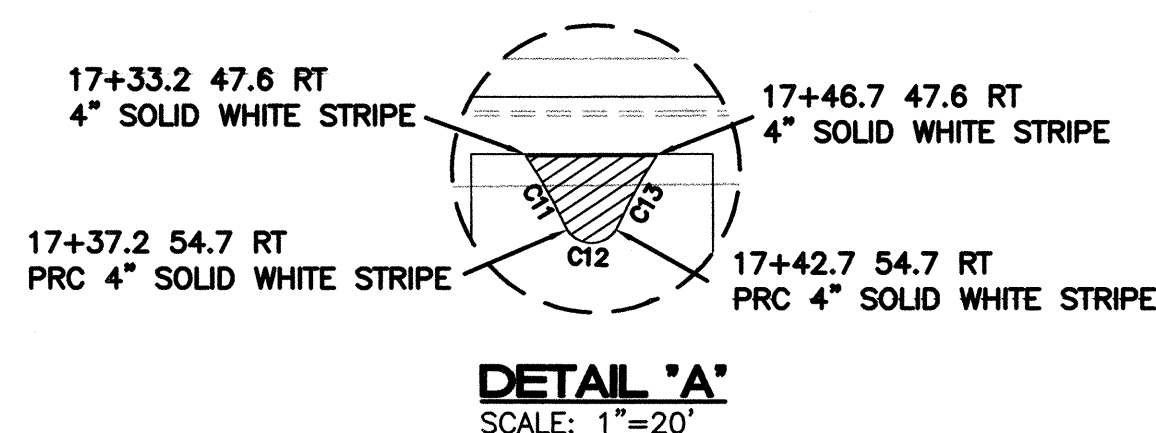
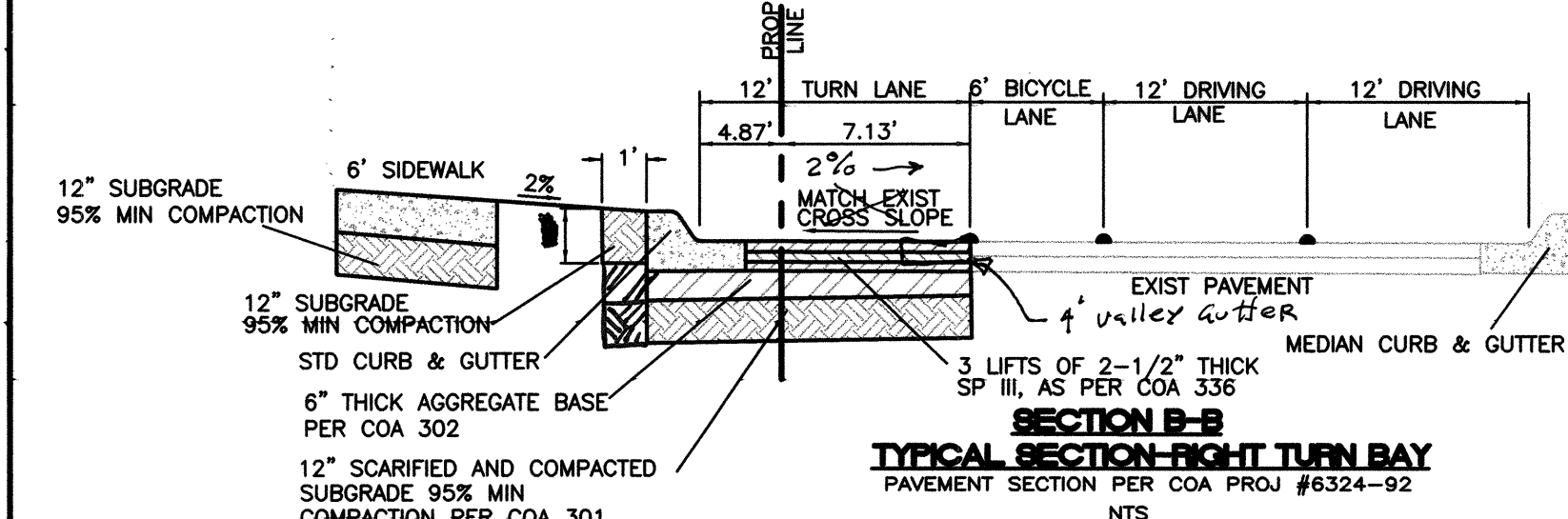


LEGEND

	EXISTING CURB & GUTTER
	PROPOSED CURB & GUTTER
	BOUNDARY LINE
	EXISTING BOUNDARY LINE
	EASEMENT
	CENTERLINE
	STRIPING
	PROPOSED BUILDING
	EXISTING SIDEWALK
	PROPOSED SIDEWALK
	PROPOSED CROSSWALK (PATTERN CONCRETE)
	PROPOSED SPOT ELEVATION
	TOP OF CURB ELEVATION
	FLOWLINE ELEVATION
	EXISTING SPOT ELEVATION
	EXISTING INDEX CONTOUR
	EXISTING CONTOUR
	EXISTING RETAINING WALL
	PROPOSED RETAINING WALL
	EXISTING SAS MANHOLE
	EXISTING SANITARY SEWER LINE
	EXISTING VALVE W/BOX
	EXISTING FIRE HYDRANT
	EXISTING WATER LINE

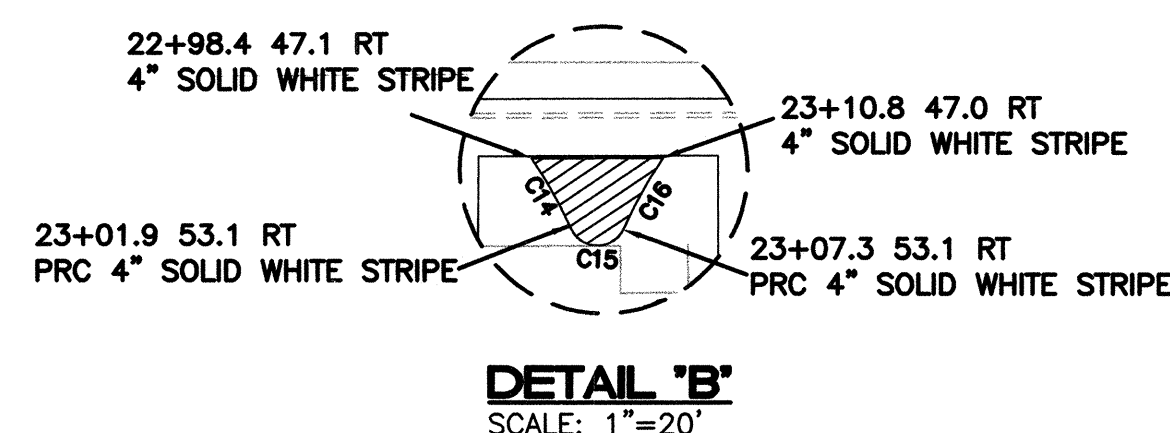
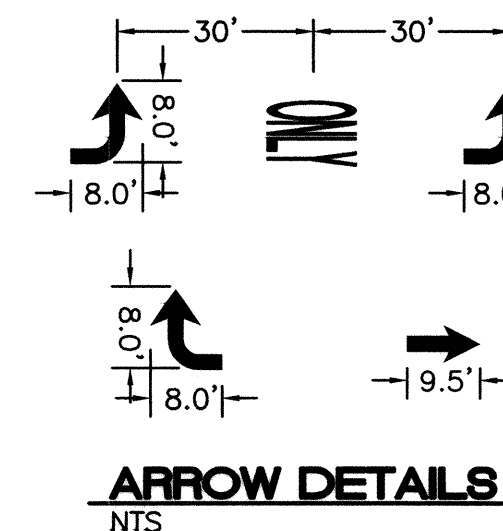
NOTE
ALL SPOT ELEVATIONS ARE TO FLOWLINE UNLESS OTHERWISE INDICATED IN PLANS.

ENGINEER'S SEAL RONALD R. BOHANNAN P.E. #7868	FRATERNAL ORDER OF POLICE GRADING PLAN TIERRA WEST, LLC 5571 MIDWAY PARK PLACE NE ALBUQUERQUE, NEW MEXICO 87109 (505)858-3100	DRAWN BY PM
		DATE 1-04-2007
		SHEET # 4 of 8
		JOB # 25016



*** SIGN FACES SHOWN FOR REFERENCE; CONTRACTOR SHALL VERIFY DIRECTION OF ARROW TO CORRELATE WITH INSTALLATION LOCATION AND TRAFFIC MOVEMENTS.**

**** CONTRACTOR SHALL COORDINATE WITH TRAFFIC OPERATIONS PRIOR SIGNING AND STRIPING**



KEYED NOTE:

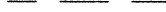
- (A) STANDARD HC RAMP PER COA STD. DWG. 2441 CASE II WITH TRUNCATED DOMES SEE DETAIL SHEET 8
- (B) PAINT MEDIAN NOSE YELLOW
- (C) MEDIAN CURB AND GUTTER PER COA STD. DWG 2415B

STRIPING ERADICATION SHALL BE ACCOMPLISHED BY WATER BLASTING OR SURFACE PLANNING OF THE ROADWAY TO A MAXIMUM DEPTH OF 0.25 INCHES AND FOR A WIDTH EQUAL TO TWO TIMES THE WIDTH OF THE STRIPE OR MARKING TO BE REMOVED.

- (E) NEW PAVEMENT TO MATCH EXISTING PAVEMENT SECTION. SEE TYPICAL SECTION DETAIL ON THIS SHEET
- (F) UNIDIRECTIONAL HC RAMP PER COA STD DWG 2426 W/TRUNCATED DOMES, SEE DETAIL SHEET 8
- (G) 6' VALLEY GUTTER PER COA STD DWG 2420
- (H) 6' SIDEWALK PER COA STD DWG 2430
- (I) STANDARD CURB AND GUTTER PER COA STD DWG 2415A
- (J) NEW 6' VALLEY GUTTER

LEGEND:

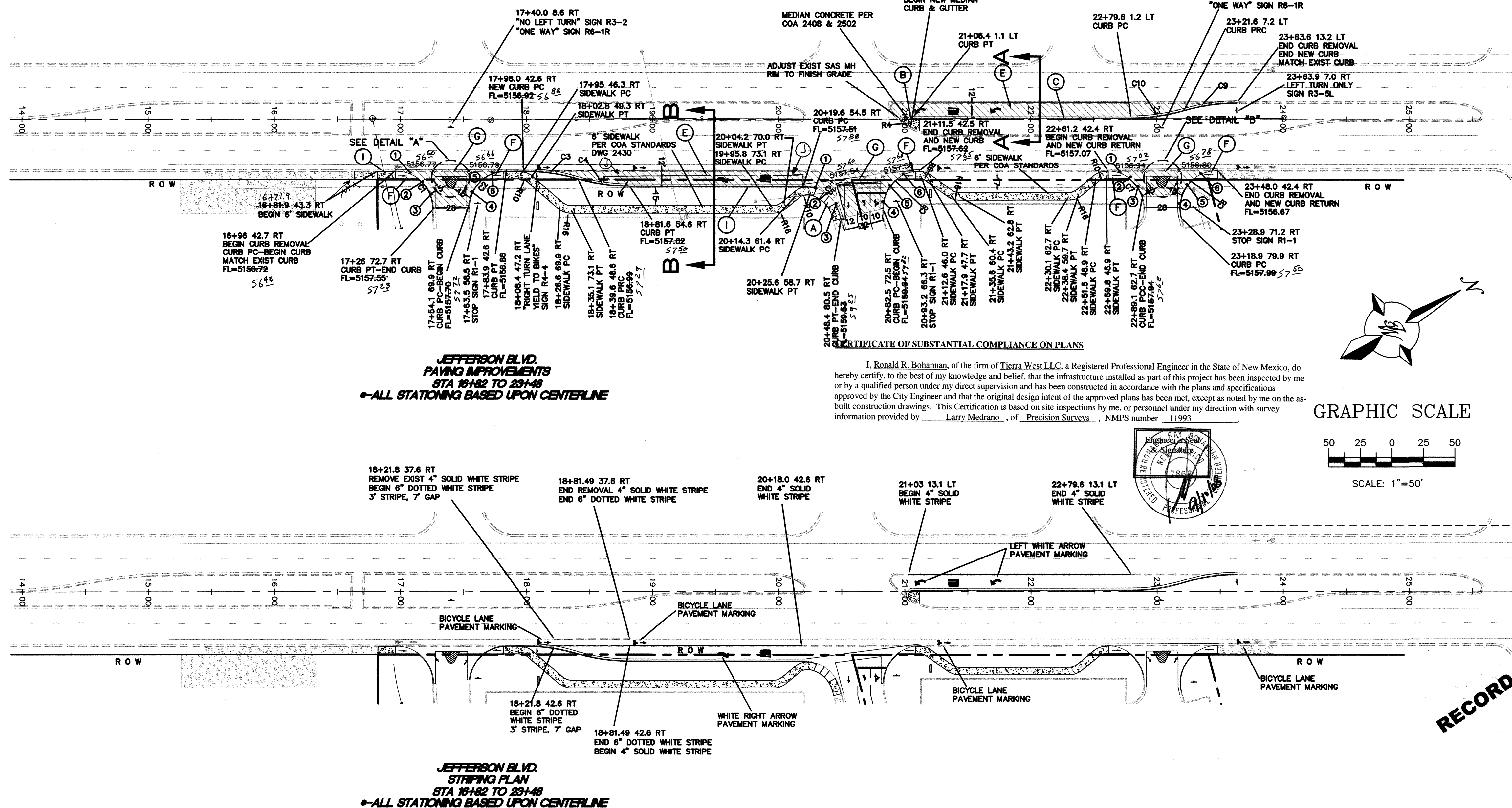
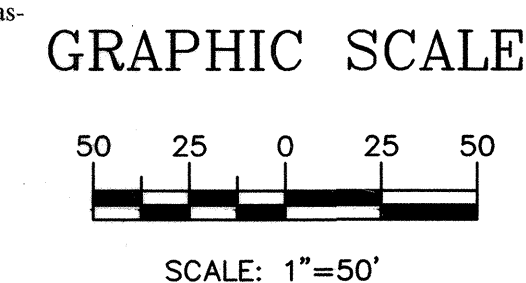
	MEDIAN, CURB AND GUTTER, LANDSCAPING, AND/OR ASPHALT REMOVAL AND REPLACEMENT REMOVE AND REPLACE EXISTING PAVEMENT PER PAVING SECTION THIS SHEET
---	--

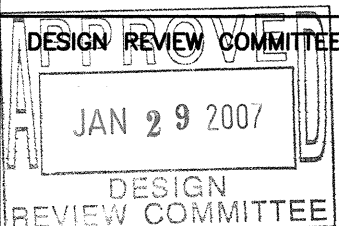
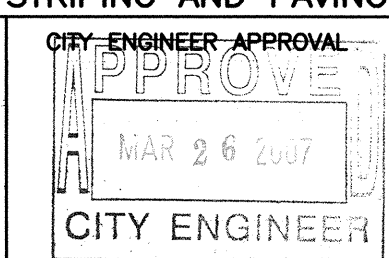
	EXISTING CURB & GUTTER
	PROPOSED CURB & GUTTER
	BOUNDARY LINE
	EXISTING BOUNDARY LINE
	EASEMENT
	PROPOSED SIDEWALK
	CENTERLINE
	RIGHT-OF-WAY
	4" DASHED WHITE LINE
	4" SOLID WHITE STRIPE
	4" DOTTED LINE

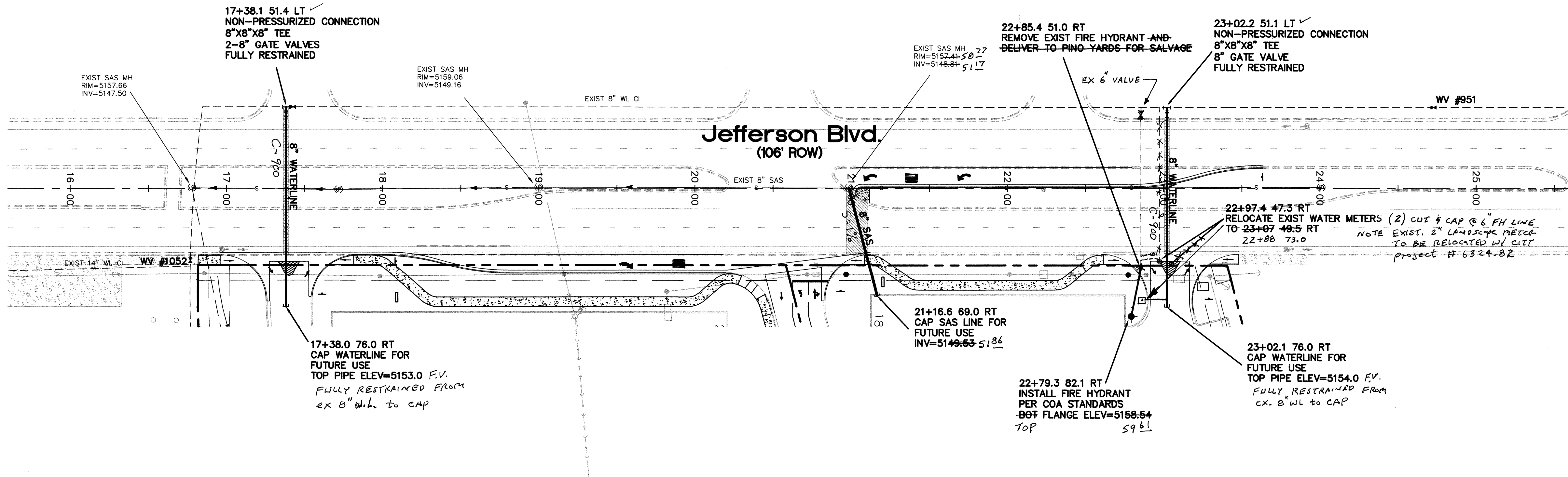
CURVE	DELTA	RADIUS	LENGTH
C1	90°06'27"	30.00	47.18
C2	84°43'52"	30.00	44.37
C3	16°15'37"	150.00	42.57
C4	16°15'37"	150.00	42.57
C5	75°27'19"	30.00	39.51
C6	104°26'51"	30.00	54.69
C7	70°52'40"	30.00	37.11
C8	104°40'01"	30.00	54.80
C9	16°15'37"	150.00	42.57
C10	16°15'37"	150.00	42.57
C11	10°41'16"	45.00	8.38
C12	13°54'14"	3.00	6.96
C13	10°40'32"	45.00	8.38
C14	8°54'49"	45.00	7.00
C15	12°01'22"	3.00	6.77
C16	8°55'30"	45.00	7.01

CURB RETURN ELEVATIONS							
C1		C2		C5		C6	
FL	ELEV.	FL	ELEV.	FL	ELEV.	FL	ELEV.
1	5156.93	4	5157.49	1	5157.02	4	5156.93
2	5157.14	5	5157.28	2	5158.53	5	5156.93
3	5157.34	6	5157.07	3	5156.03	6	5156.93
C7		C8					
FL	ELEV.	FL	ELEV.				
1	5157.28	4	5157.28				
2	5157.50	5	5157.33				
3	5157.72	6	5157.00				

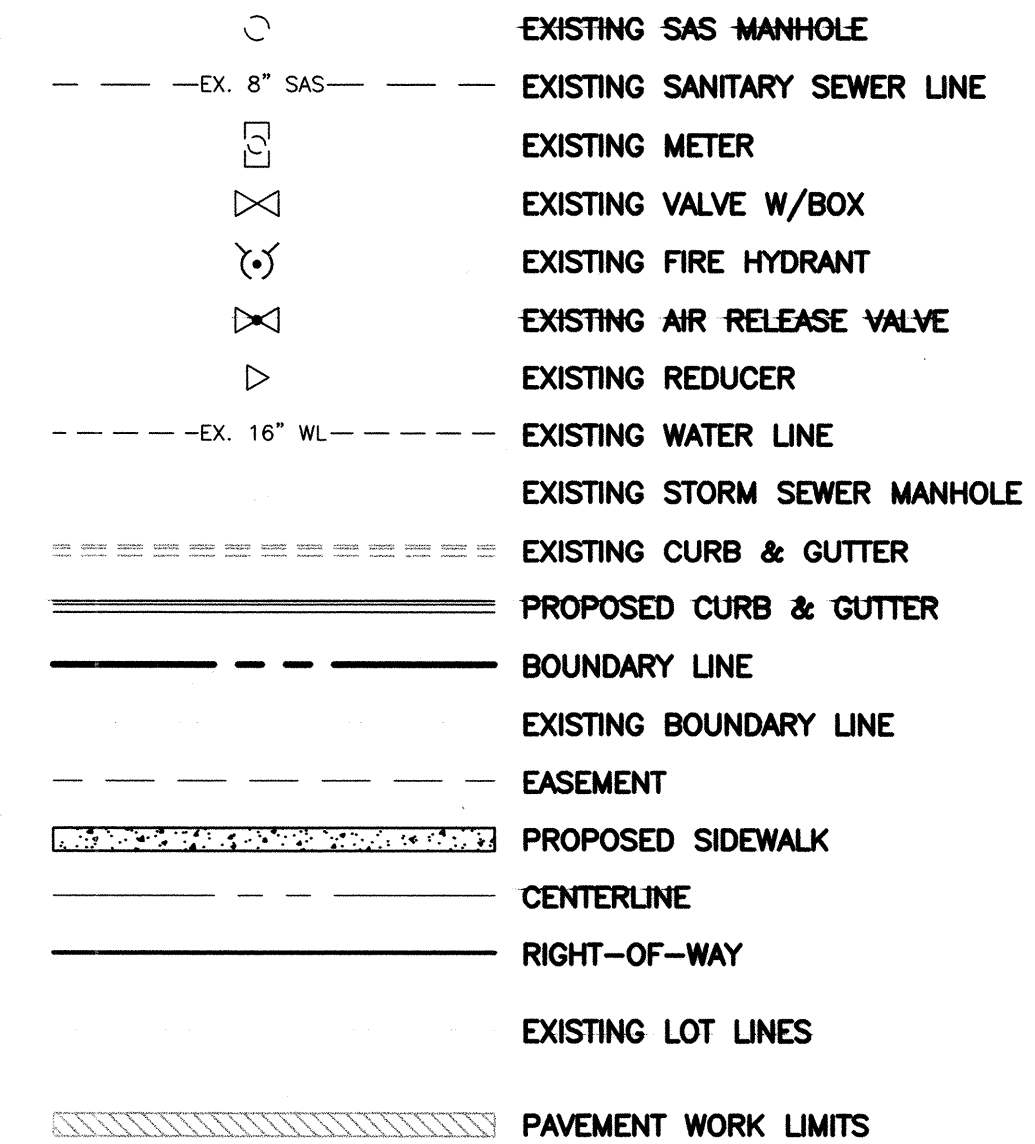
I, Ronald R. Bohannon, of the firm of Tierra West LLC, a Registered Professional Engineer in the State of New Mexico, do hereby certify to the best of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct supervision and that the construction was in accordance with the plans and specifications approved by the City Engineer and that the original design intent of the approved plans has been followed. I am not on the as-built construction drawings. This Certification is based on site inspections by me, or personnel under my direction with survey information provided by Larry Medrano, of Precision Surveys, NMPS number 11993



		TIERRA WEST, LLC 5571 MIDWAY PARK PLACE NE ALBUQUERQUE, NEW MEXICO 87109 (505)858-3100		2007 / /	DATE NO. / /	DESIGNED BY DRAWN BY DRAWN NAME
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP						
TITLE: FRATERNAL ORDER OF POLICE JEFFERSON BLVD STRIPING AND PAVING PLAN						
				LAST DESIGN UPDATE / /	MO./DAY/YR. / /	MO./DAY/YR. / /
CITY PROJECT NO. 632481				ZONE MAP NO. E-17-Z	SHEET 5 OF 8	



LEGEND



JEFFERSON BLVD.

THE FOLLOWING TABLES WERE CREATED USING EBAA IRON INC. SOFTWARE FOR RESTRAINING JOINTS WITH THESE CRITERIA:

DEPTH OF BURY: 3.0' MINIMUM
SAFETY FACTOR: 1.5 TO 1
PIPE MATERIAL: PVC
SOIL TYPE: GM/SM-SILTY GRAVEL/SILTY SAND, GRAVEL-SAND MIXTURES
TEST PRESSURE: 150 PSI
TRENCH TYPE 3: PIPE BEDDED IN 4" MINIMUM LOOSE SOIL BACKFILL LIGHTLY CONSOLIDATED TO TOP OF PIPE

THESE LENGTHS WILL BE AFFECTED IF THE TYPE OF MATERIAL, GREATER DEPTH OF BURY, ETC. CHANGES. THESE MUST BE RECALCULATED BY THE DESIGN ENGINEER PRIOR TO CONSTRUCTION.

SIZE	LENGTH ALONG RUN**					
	5'	4'	3'	2'	1'	0'
12x12x12	14	18	22	25	29	33
12x12x10	6	10	14	19	23	28
12x12x8	1	1	7	12	18	23
12x12x6	1	1	1	3	10	18
12x12x4	1	1	1	1	2	12
10x10x10	9	13	17	20	24	28
10x10x8	1	5	10	14	19	23
10x10x6	1	1	1	6	12	18
10x10x4	1	1	1	1	4	12
8x8x8	5	9	13	16	20	23
8x8x6	1	1	3	8	13	18
8x8x4	1	1	1	1	6	12
6x6x6	1	3	7	10	14	18
8x8x4	1	1	1	1	6	12

*RESTRAINTS ONLY PLACED ON THE BRANCH
**LENGTH ALONG RUN REFERS TO THE LENGTH OF PIPE ON EITHER SIDE OF THE TEE BEFORE THE NEXT JOINT.

SIZE	HORIZONTAL BENDS				VALVES DEAD END
	90°	45°	22-1/2°	11-1/4°	
12	15	6	3	1	34
10	13	5	3	1	29
8	11	4	2	1	24
6	8	3	2	1	18
4	6	2	1	N/A	13

SIZE	L. SIDE		SIZE	L. SIDE	
	SIZE	L. SIDE		SIZE	L. SIDE
12x10	17	10x6	18		
12x8	18	10x4	23		
12x6	25	8x6	10		
12x4	29	8x4	17		
10x8	10	6x4	9		

***RESTRAINTS ONLY PLACED ON LARGE LARGE SIDE

THE FOLLOWING TABLES WERE CREATED USING EBAA IRON INC. SOFTWARE FOR RESTRAINING JOINTS WITH THESE CRITERIA:

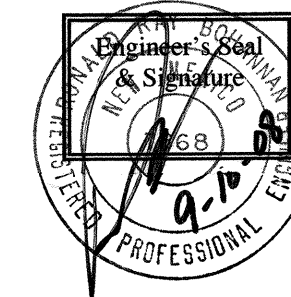
DEPTH OF BURY: 3.0' MINIMUM
SAFETY FACTOR: 1.5 TO 1
PIPE MATERIAL: PVC
SOIL TYPE: GM/SM-SILTY GRAVEL/SILTY SAND, GRAVEL-SAND MIXTURES
TEST PRESSURE: 150 PSI
TRENCH TYPE 3: PIPE BEDDED IN 4" MINIMUM LOOSE SOIL BACKFILL LIGHTLY CONSOLIDATED TO TOP OF PIPE

THESE LENGTHS WILL BE AFFECTED IF THE TYPE OF MATERIAL, GREATER DEPTH OF BURY, ETC. CHANGES. THESE MUST BE RECALCULATED BY THE DESIGN ENGINEER PRIOR TO CONSTRUCTION.

SIZE	HORIZONTAL BENDS			
	90°	45°	22-1/2°	11-1/4°
12 UPPER	DON'T USE	14	7	3
12 LOWER	DON'T USE	4	2	1
10 UPPER	DON'T USE	12	6	3
10 LOWER	DON'T USE	3	2	1
8 UPPER	DON'T USE	10	5	2
8 LOWER	DON'T USE	3	1	1
6 UPPER	DON'T USE	8	4	2
6 LOWER	DON'T USE	2	1	N/A
4 UPPER	DON'T USE	5	3	1
4 LOWER	DON'T USE	1	1	N/A

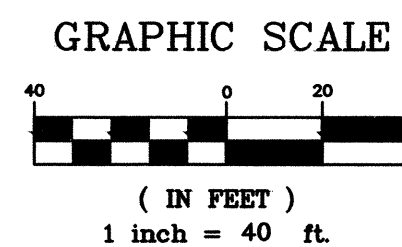
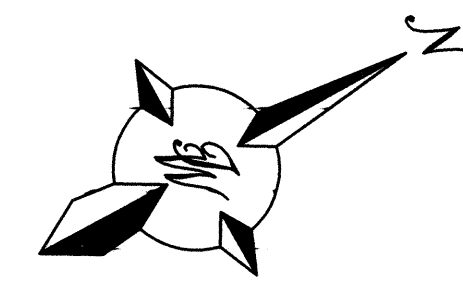
CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Ronald R. Bohannon, of the firm of Tierra West 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 with survey information provided by Larry Medrano, of Precision Surveys, NMPS number 11993.



ALL EXISTING UTILITIES SHOWN WERE OBTAINED FROM RESEARCH, AS-BUILTS, SURVEYS OR INFORMATION PROVIDED BY OTHERS. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO AND INCLUDING ANY EXCAVATION, TO DETERMINE THE ACTUAL LOCATION OF UTILITIES AND OTHER IMPROVEMENTS, PRIOR TO STARTING THE WORK. ANY CHANGES FROM THIS PLAN SHALL BE COORDINATED WITH AND APPROVED BY THE ENGINEER.

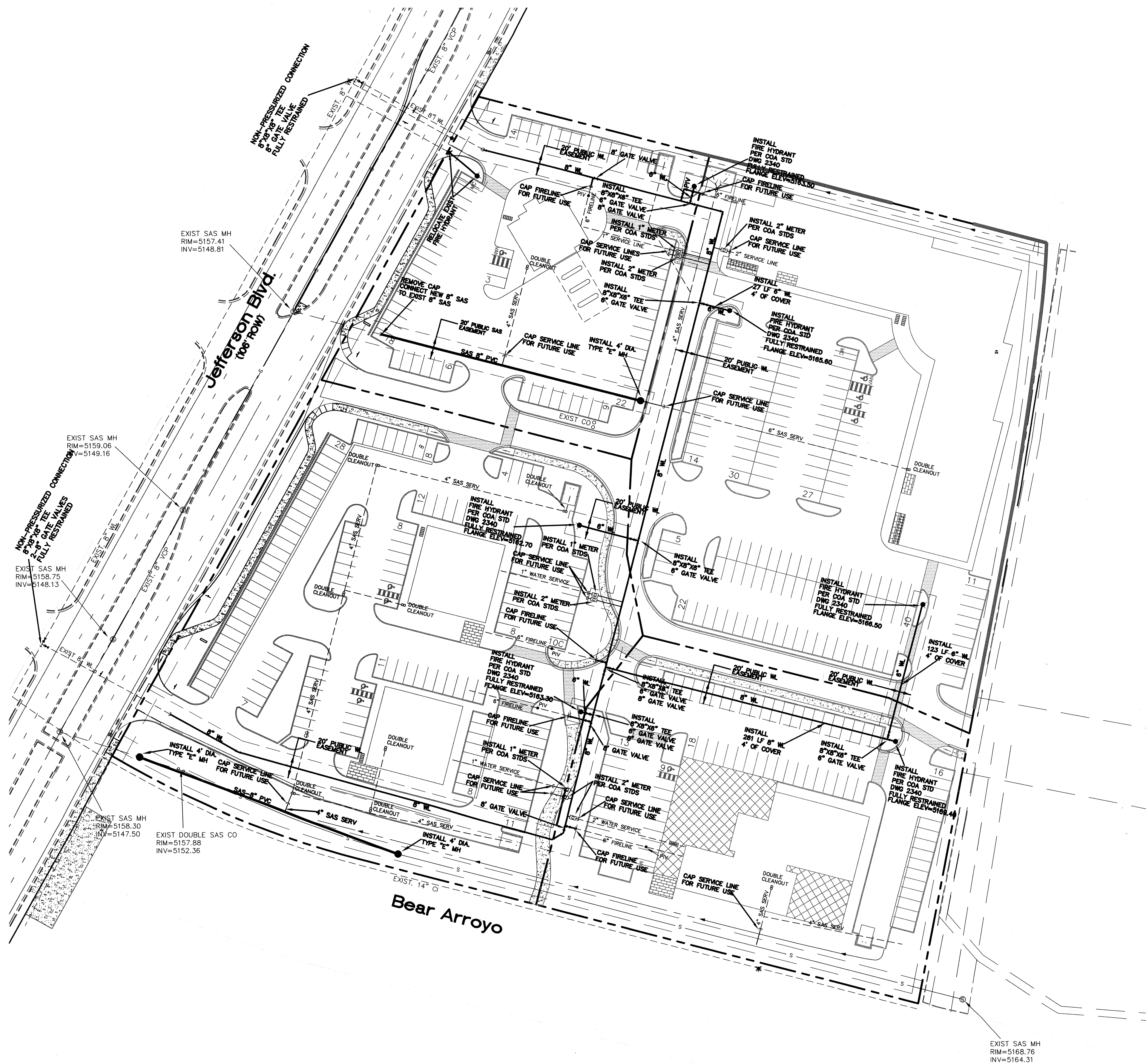
RECORD DRAWING



AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL		REVISIONS		DESIGN		JOB NO.: 25016		DATE: 1-04-2007	
CONTRACTOR	STAR PLANNING	TOP OF REBAR AT THE SW PROPERTY CORNER	AT STA 16+81.8, 49.6' RT ELEV=5157.58	FIELD NOTES	NO.	BY	DATE	NO.	DATE	NO.	DATE	DESIGNED BY: MO	DRAWN BY: PM	CHECKED BY: MO	
WORK STARTED BY	PRECISION SURVEYS	DATE	2007												
INSPECTOR'S SIGNATURE	BY COA / TIERRA WEST	DATE	2007												
FIELD VERIFICATION BY	COA / TIERRA WEST	DATE	2007												
CORRECTED BY	TIERRA WEST	DATE	2007												
MICRO-FILM INFORMATION															
RECORDED BY															
NO.															

TIERRA WEST, LLC
5571 MIDWAY PARK PLACE NE
ALBUQUERQUE, NEW MEXICO 87109
(505)858-3100

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP		TITLE: FRATERNAL ORDER OF POLICE JEFFERSON BLVD UTILITY PLAN	
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO/DAY/YR.	MO/DAY/YR.
APPROVED JAN 29 2007 DESIGN REVIEW COMMITTEE	APPROVED MAR 26 2007 CITY ENGINEER		
CITY PROJECT NO. 632481	ZONE MAP NO. E-17-Z	SHEET 6	OF 8



- NOTES:
1. ONLY WATER SYSTEMS PERSONNEL ARE AUTHORIZED TO OPERATE VALVES.
 2. NOTIFY CITY OF ALBUQUERQUE, WATER SYSTEMS DIVISION (PHONE 857-8200) FIVE (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 ABOVE PLAN

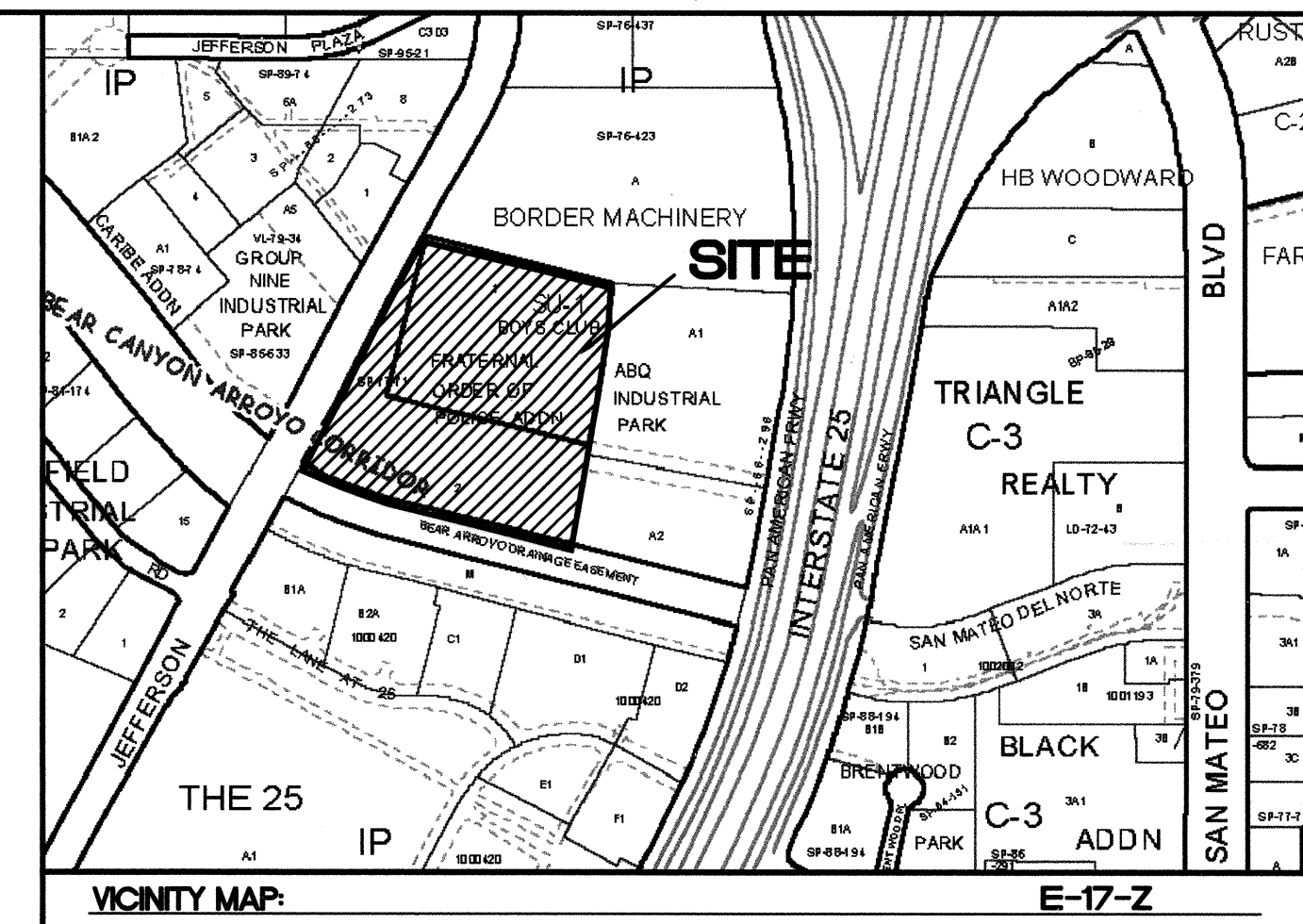
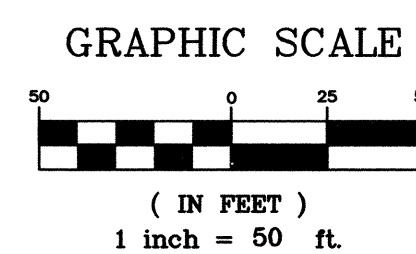
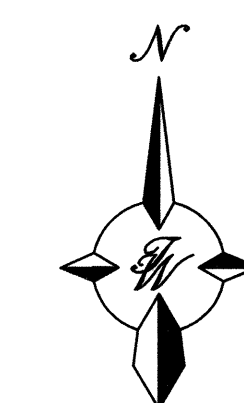
NOTICE TO CONTRACTORS

1. AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY. AN APPROVED COPY OF THESE PLANS MUST BE SUBMITTED AT THE TIME OF APPLICATION FOR THIS PERMIT.
2. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF ALBUQUERQUE INTERIM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1985.
3. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 765-1234, FOR LOCATION OF EXISTING UTILITIES.
4. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL CONSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
5. BACKFILL COMPACTION SHALL BE ACCORDING TO RESIDENTIAL STREET USE.
6. MAINTENANCE OF THESE FACILITIES SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY SERVED.
7. WORK ON ARTERIAL STREETS SHALL BE PERFORMED ON A 24-HOUR BASIS.

GENERAL NOTES:

1. 4' MINIMUM BURY REQUIRED FOR ALL UTILITIES UNLESS OTHERWISE NOTED.
2. REFERENCE ARCHITECTURAL PLANS FOR WATER LINE RISER LOCATIONS.
3. CLEAN OUTS ARE TO BE BUILT PER UNIFORM PLUMBING CODE STANDARDS.
4. ALL BLOCKING IS PER CITY OF ALBUQUERQUE STANDARD DWG. 2320.
5. ALL PIPE MATERIAL TO BE USED PER UPC.

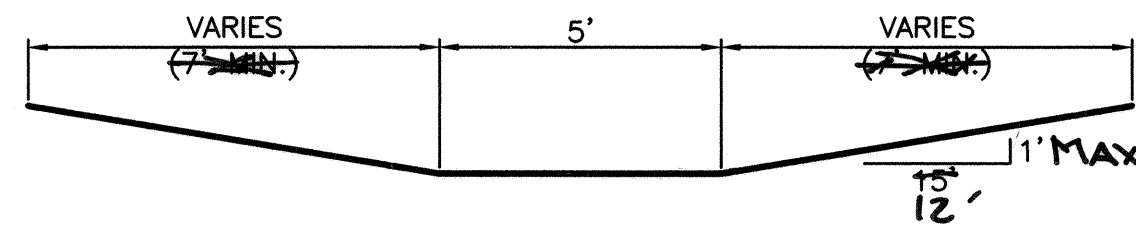
This Sheet for Information Only



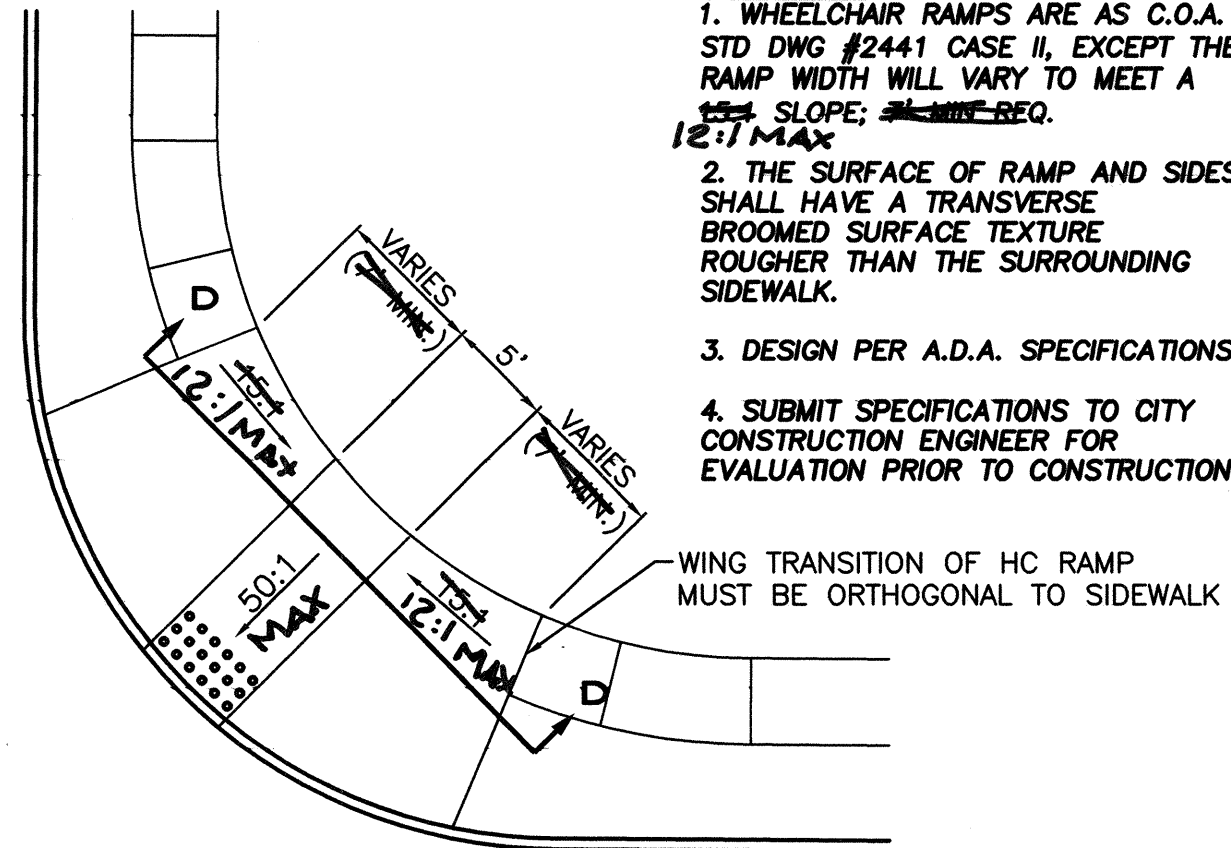
LEGEND

- ===== EXISTING CURB & GUTTER
- ===== PROPOSED CURB & GUTTER
- BOUNDARY LINE
- EXISTING BOUNDARY LINE
- EASEMENT
- CENTERLINE
- RIGHT-OF-WAY
- LOT LINES
- SETBACK LINE
- STRIPING
- ===== PROPOSED BUILDING
- ===== EXISTING SIDEWALK
- ===== PROPOSED SIDEWALK
- ===== PROPOSED CROSSWALK
- ===== PROPOSED BIKERACK
- ===== PROPOSED FIRE HYDRANT
- ===== PROPOSED SCREEN WALL
- ===== PROPOSED PARKING LOT LIGHTING
- ===== EXISTING SAS MANHOLE
- EX. 8" SAS ----- EXISTING SANITARY SEWER LINE
- 8" SAS ----- PROPOSED SANITARY SEWER LINE
- EXISTING VALVE W/BOX
- EXISTING FIRE HYDRANT
- EX. 16" WL ----- EXISTING WATER LINE
- PROPOSED METER
- PROPOSED VALVE W/BOX
- 8" WL ----- PROPOSED WATER LINE
- SERVICE ----- FUTURE USE

	FRATERNAL ORDER OF POLICE MASTER UTILITY PLAN TIERRA WEST, LLC 5571 MIDWAY PARK PLACE NE ALBUQUERQUE, NEW MEXICO 87109 (505)858-3100	DRAWN BY PM
		DATE 12-5-06
		25016-MUB.DWG
		SHEET # 7 of 8
RONALD R. BOHANNAN P.E. #7868		JOB # 25016



SECTION D-D
NTS

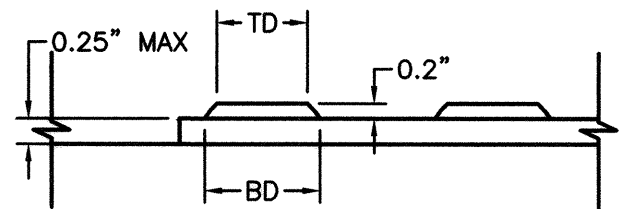


WHEELCHAIR RAMP DETAIL (TYP.)
NTS

NOTES:

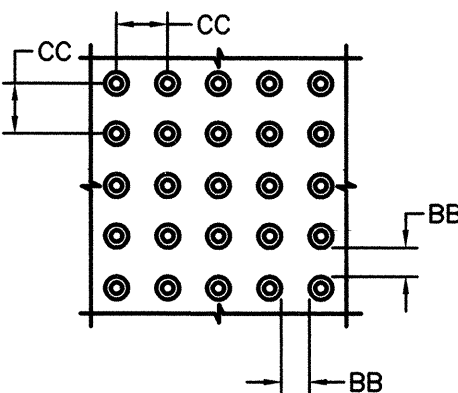
1. WHEELCHAIR RAMP AS C.O.A. STD DWG #2441 CASE II, EXCEPT THE RAMP WIDTH WILL VARY TO MEET A 12:1 MAX SLOPE.
2. THE SURFACE OF RAMP AND SIDES SHALL HAVE A TRANSVERSE BROOMED SURFACE TEXTURE ROUGHER THAN THE SURROUNDING SIDEWALK.
3. DESIGN PER A.D.A. SPECIFICATIONS
4. SUBMIT SPECIFICATIONS TO CITY CONSTRUCTION ENGINEER FOR EVALUATION PRIOR TO CONSTRUCTION

WING TRANSITION OF HC RAMP MUST BE ORTHOGONAL TO SIDEWALK



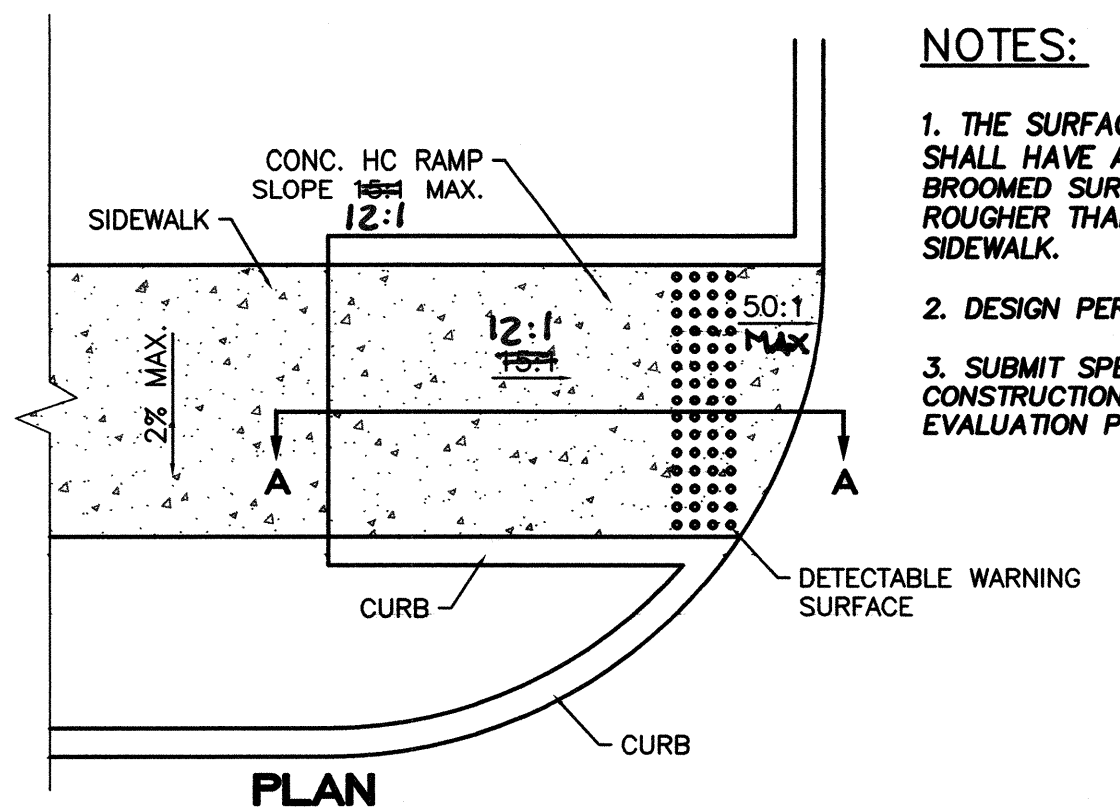
DOME SECTION

BD - BASE DIAMETER 0.9" MIN
TD - TOP DIAMETER 50% OF BD MIN TO 65% OF BD MAX

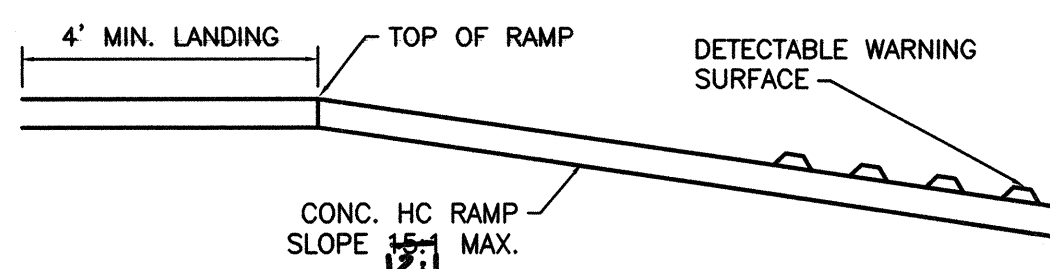


DOME SPACING

CC - CENTER TO CENTER SPACING
2.35"
BB - BASE TO BASE SPACING
1.48" MIN



PLAN



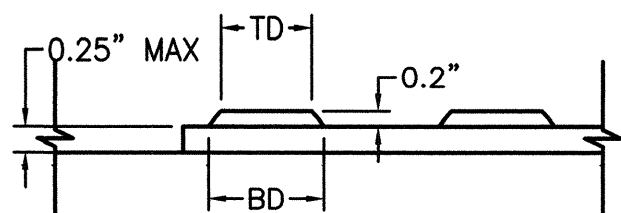
SECTION A-A

UNIDIRECTIONAL HC RAMP

NOT TO SCALE

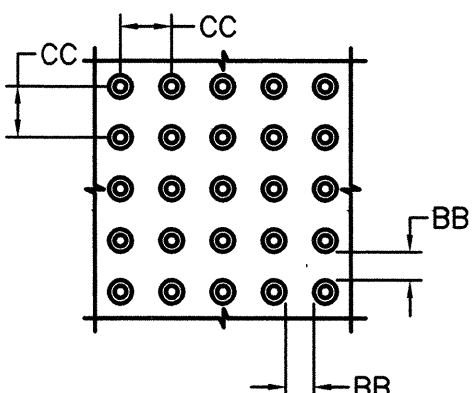
NOTES:

1. THE SURFACE OF RAMP AND SIDES SHALL HAVE A TRANSVERSE BROOMED SURFACE TEXTURE ROUGHER THAN THE SURROUNDING SIDEWALK.
2. DESIGN PER A.D.A. SPECIFICATIONS
3. SUBMIT SPECIFICATIONS TO CITY CONSTRUCTION ENGINEER FOR EVALUATION PRIOR TO CONSTRUCTION



DOME SECTION

BD - BASE DIAMETER 0.9" MIN
TD - TOP DIAMETER 50% OF BD MIN TO 65% OF BD MAX

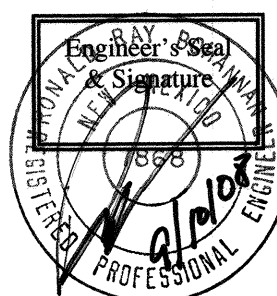


DOME SPACING

CC - CENTER TO CENTER SPACING
2.35"
BB - BASE TO BASE SPACING
1.48" MIN

CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Ronald R. Bohannon, of the firm of Tierra West 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 with survey information provided by Larry Medrano, of Precision Surveys, NMPS number 11993.

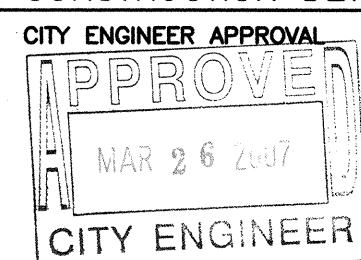


TIERRA WEST, LLC
5571 MIDWAY PARK PLACE NE
ALBUQUERQUE, NEW MEXICO 87109
(505)858-3100

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: FRATERNAL ORDER OF POLICE

JEFFERSON BLVD
CONSTRUCTION DETAILS



CITY PROJECT NO. 632481

ZONE MAP NO. E-17-Z

SHEET 8 OF 8

RECORD DRAWING

SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
NO.	FIELD NOTES	BY	DATE	CONTRACTOR	DATE
	NO.				
				STAR PAVING	
				WORK BY	
				SURVEYORS	
				ACCEPTANCE BY	
				VERIFICATION BY	
				CORRECTED BY	
				MICRO-FILM INFORMATION	
				RECORDED BY	
				NO.	