

2008-03-11 10:10

SCANNED BY
PLANNING

CONSTRUCTION PLANS FOR WYOMING MALL WAL-MART CONTRACT

ALBUQUERQUE
BERNALILLO COUNTY, NEW MEXICO
MARCH 2008

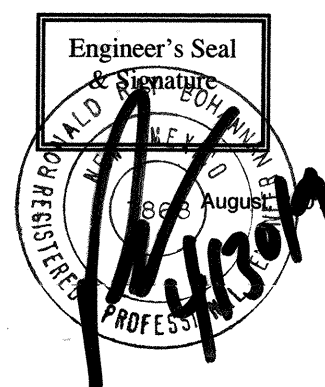
WJ

INDEX TO DRAWINGS

1. TITLE SHEET
2. PLAT
3. PLAT
4. SITE PLAN
5. GRADING PLAN
6. GRADING PLAN
7. MASTER UTILITY PLAN - A
8. PAVING IMPROVEMENTS:
WYOMING BLVD. STA: 10+00 TO STA: 22+14.25
9. STRIPING IMPROVEMENTS:
WYOMING BLVD. STA: 10+00 TO STA: 22+14.25
10. PAVING IMPROVEMENTS:
NORTHEASTERN BLVD. STA: 10+00 TO STA: 22+00
11. STRIPING IMPROVEMENTS:
NORTHEASTERN BLVD. STA: 10+00 TO STA: 22+00
12. PAVING IMPROVEMENTS:
NORTHEASTERN BLVD. / LESTER AVE INTERSECTION
13. STRIPING IMPROVEMENTS:
NORTHEASTERN BLVD. / LESTER AVE INTERSECTION
14. PAVING IMPROVEMENTS:
AMBASSADOR RD. / NORTHEASTERN BLVD INTERSECTION
15. STRIPING IMPROVEMENTS:
AMBASSADOR RD. / NORTHEASTERN INTERSECTION
16. PAVING IMPROVEMENTS:
INDIAN SCHOOL BLVD. STA: 10+00 TO STA: 24+92.10
17. PAVING IMPROVEMENTS:
PROSPECT AVE. / HOFFMAN ST. INTERSECTION
18. UTILITY IMPROVEMENTS: LESTER AVE.
19. DETAILS

CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

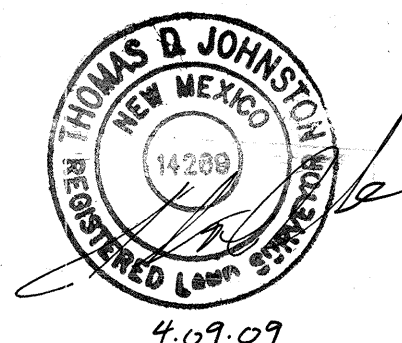
I, Ronald R. Bohannon, of the firm of Tierra West LLC, a Registered Professional Engineer in the State of New Mexico, do hereby certify, to the best of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct 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 Thomas D. Johnston, of Wayjohn Surveying Inc., NMPS number 14269.



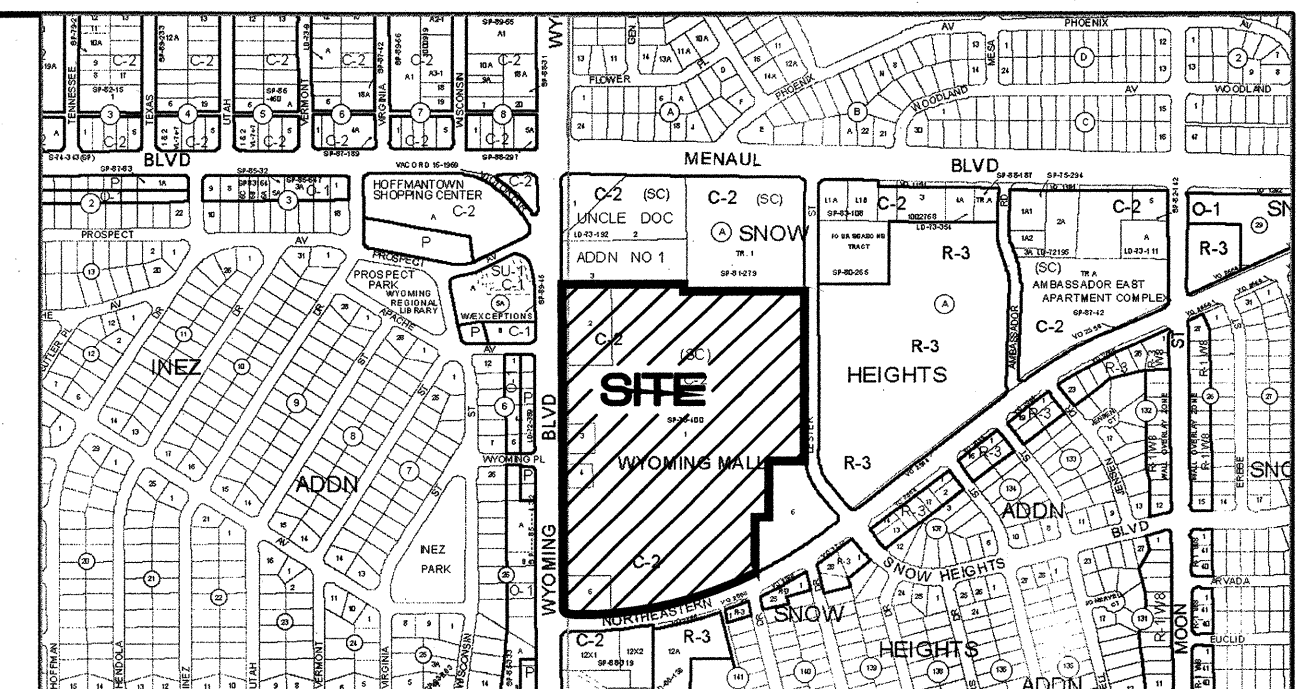
AS-BUILT CERTIFICATION

I, THOMAS D. JOHNSTON, A DULY QUALIFIED LICENSED PROFESSIONAL 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 (UNLESS OTHERWISE NOTED) 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. WAYJOHN SURVEYING, INC. IS NOT RESPONSIBLE FOR ANY OF THE DESIGN CONCEPTS, CALCULATIONS, ENGINEERING AND/OR INTENT OF THE RECORD DRAWINGS.

Thomas D. Johnston
THOMAS D. JOHNSTON, N.M.P.L.S. NO. 14269 4.09.09



APPROVED AS RECORD DRAWINGS
DESIGN REVIEW SECTION
CITY ENGINEER
Anthony J. [Signature]
DATE: 07/30/16



VICINITY MAP H-20-Z
SCALE NONE

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, 1988 EDITION AS REVISED THROUGH UPDATE #7 INCLUDING AMENDMENT 1.
2. TWO WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (280-1890) FOR LOCATION OF EXISTING UTILITIES.
3. FIVE (5) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONSTRUCTION COORDINATION DIVISION; CONTRACTOR SHALL NOTIFY THE CONSTRUCTION COORDINATION ENGINEER (924-3400) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO SECTION 19 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.
4. CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE CITY SURVEYOR MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE CITY SURVEYOR AND SHALL NOTIFY THE CITY SURVEYOR AND BEAR THE EXPENSE OF REPLACE 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 UPDATE NO. 7.
5. ALL UTILITY WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF ABCWUA SPECIFICATIONS FOR WATER AND WASTEWATER FACILITIES (MOST RECENT REVISIONS). THE CONTRACTOR SHALL NOTIFY ABCWUA (857-8200) THREE (3) WORKING DAYS PRIOR TO BEGINNING THE CONSTRUCTION OF THE UTILITIES.
6. 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.
7. THE CONTRACTOR SHALL COORDINATE WITH ABCWUA (857-8200) SEVEN (7) WORKING DAYS PRIOR TO ANY WORK IN WHICH MAY AFFECT THE EXISTING CITY PUBLIC WATER OR SEWER UTILITIES. CONTRACTOR SHALL BE RESPONSIBLE FOR TUNING AND COORDINATION OF WATER SHUTOFF. EXISTING VALVES TO BE OPERATOR BY ABCWUA PERSONNEL ONLY. REFER TO SECTION 18 OF THE STANDARD SPECIFICATIONS.
8. ALL EXCAVATION, TRENCHING, AND SHORING ACTIVITIES MUST BE CARRIED-OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P.
9. ELECTRONIC MARKER DISKS (EMD) WILL BE PLACED ACCORDING TO SECTION 170 OF THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1988 EDITION AS REVISED THROUGH UPDATE #7.
10. THE CONTRACTOR WILL BE RESPONSIBLE FOR DISPOSING OF ALL DEBRIS, INCLUDING, NOT LIMITED TO HAZARDOUS WASTE AT DISPOSAL SITES APPROVED BY GOVERNMENTAL AGENCIES REGULATING THE DISPOSAL OF SUCH MATERIALS.
11. TACK COAT FOR SURFACE COURSE REQUIREMENTS WILL BE DETERMINED BY THE ENGINEER.
12. PERMANENT PAVEMENT STRIPING AND MARKINGS WILL BE PLACED BY THE CONTRACTOR. THE ROAD SHALL NOT BE OPENED TO THE TRAFFIC UNTIL IT IS STRIPPED. 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.
13. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY AND ALL GRAFFITI FROM EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.
14. ALL WATER VALVE BOXES MANHOLES IN THE STREET CONSTRUCTION RE TO BE ADJUSTED TO FINISH GRADE AND WILL BE MEASURED AND PAID PER EACH.
15. CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING ALL CONSTRUCTION SIGNING UNTIL PROJECT HAS BEEN ACCEPTED BY THE CITY.

THE FOLLOWING NOTES ALSO APPLY WHEN CHECKED

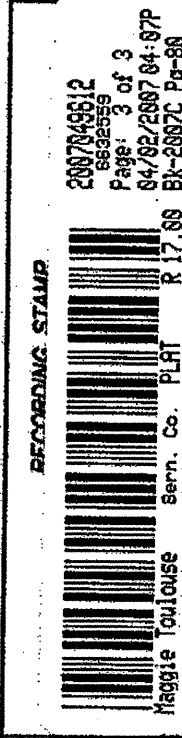
- ☒ ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
- ☒ BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.
- ☒ TACK COAT REQUIREMENTS SHALL BE DETERMINED BY THE PROJECT ENGINEER.
- ☒ SIDEWALKS AND WHEELCHAIR AMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED HEREVER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

DRB # 1003747

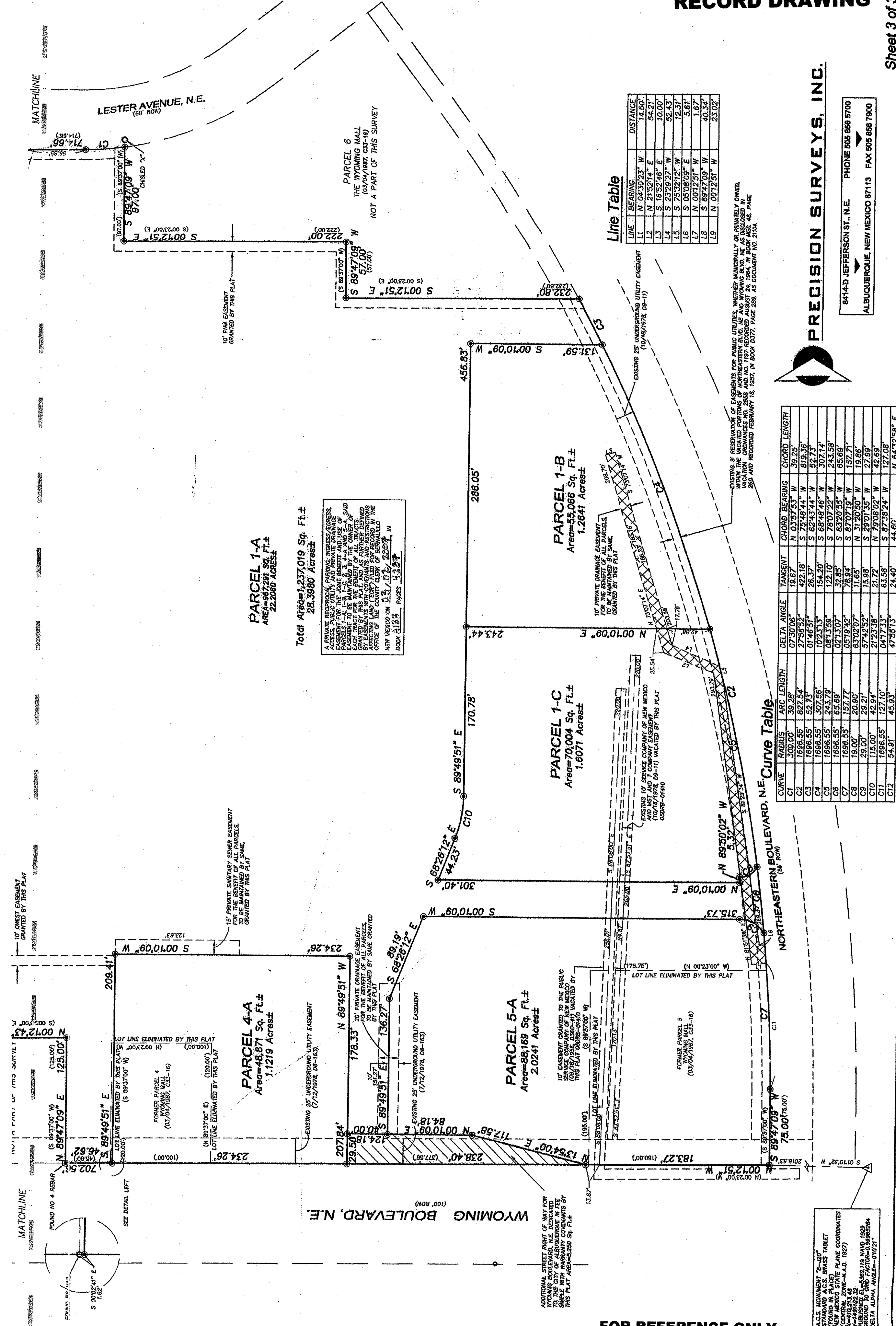
TIERRA WEST, LLC
8509 JEFFERSON NE
ALBUQUERQUE, NEW MEXICO 87113
(505)858-3100

REV	SHEETS	CITY ENGINEER	DATE	USER DEPT.	DATE	USER DEPT.	DATE
Δ	10R, 11R	R. Bohannon	07/15/09	75205			
ENGINEERS STAMP & SIGNATURE		APPROVALS		ENGINEER		DATE	
		URC Chairman		[Signature]		7/15/09	
		Transportation		[Signature]		5/14/08	
		Water/Wastewater		[Signature]		5-30-09	
		Hydrology		[Signature]		7-16-08	
		AMAFCA		[Signature]		1/14/08	
Constr. Mgmt.							
Constr. Coord.							
CITY PROJECT NO.				7726.81			
RONALD R. BOHANNAN P.E. #7868				1 OF 19			

Plat of
Parcels 1-A, 1-B, 1-C, and 4-A & 5-A
Wyoming Mall
Albuquerque, Bernalillo County, New Mexico
October 2006



Legend
(N 00°00'00" E)
SHOWS THE BEARING AND DISTANCE
MEASURED BEARING AND DISTANCE
AS DESCRIBED
FOUND AND USED MONUMENT
AS DESCRIBED
CAP "P" IS THIS SET THIS SURVEY

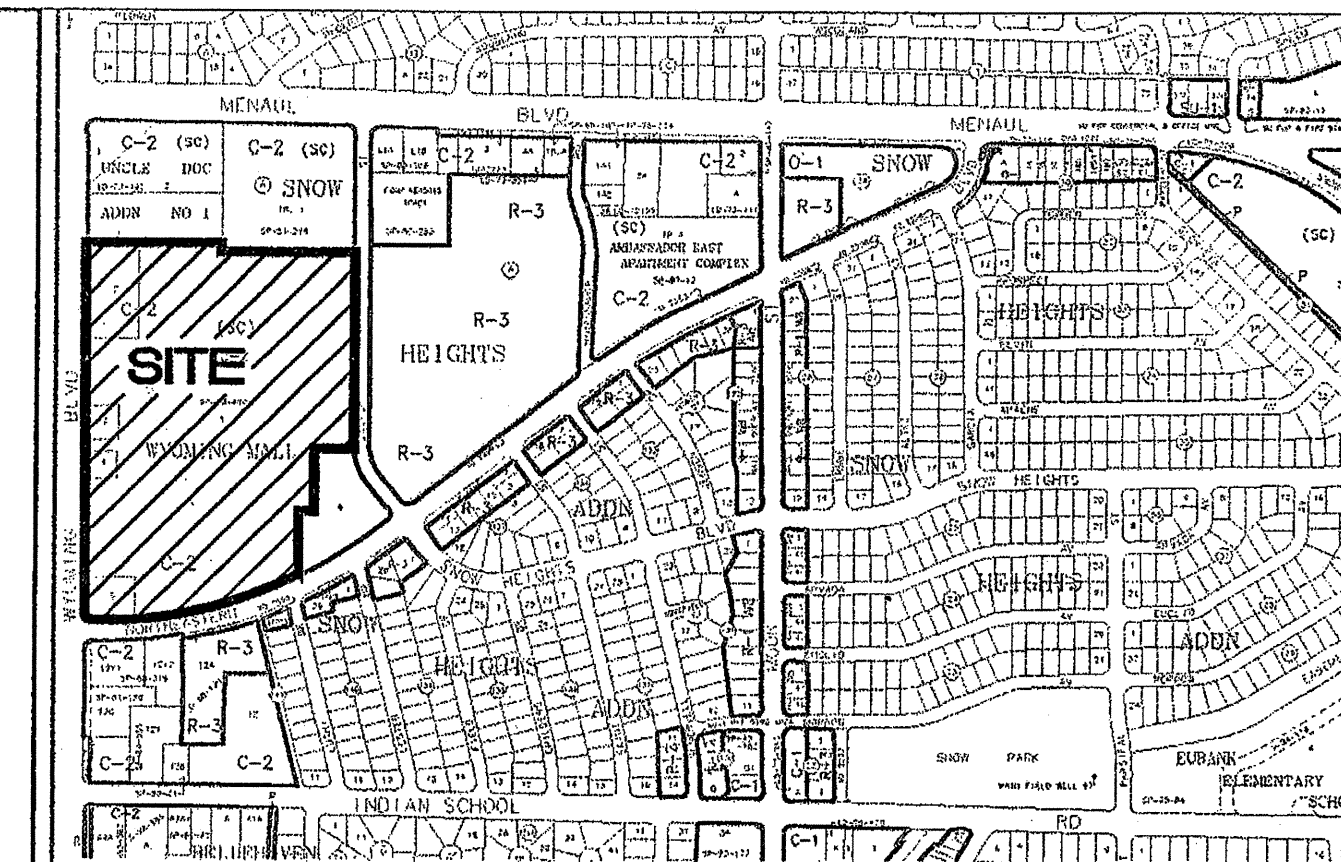
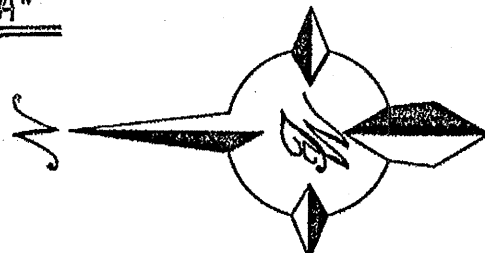
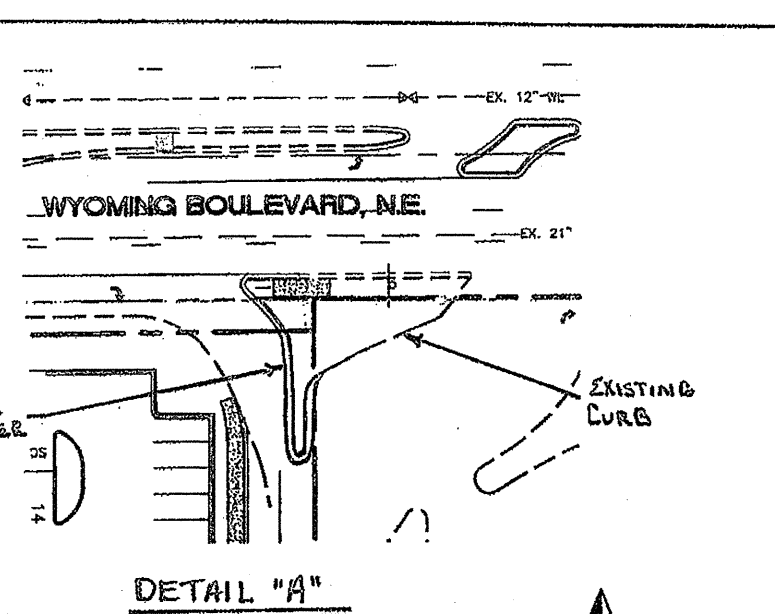
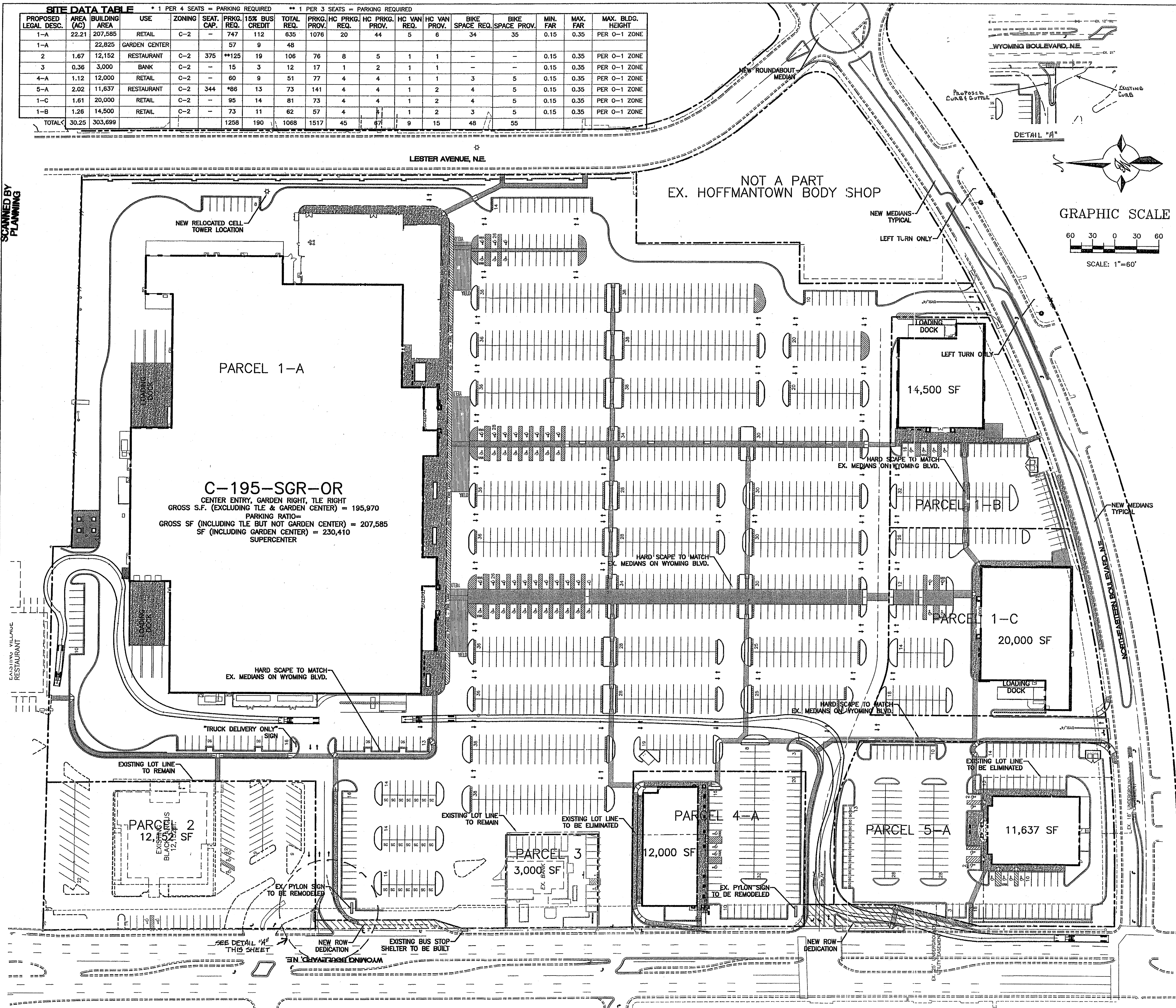


PRECISION SURVEYS, INC.
84140 JEFFERSON ST., N.E.
ALBUQUERQUE, NEW MEXICO 87113
PHONE 505 868 8700
FAX 505 868 7900

CPN 772 681

SITE DATA TABLE						* 1 PER 4 SEATS = PARKING REQUIRED										** 1 PER 3 SEATS = PARKING REQUIRED									
PROPOSED LEGAL DESC.	AREA (AC)	BUILDING AREA	USE	ZONING	SEAT. CAP.	PRKG. REQ.	15% BUS. CREDIT	TOTAL REQ.	PRKG. PROV.	HC PRKG. REQ.	HC PRKG. PROV.	HC VAN REQ.	HC VAN PROV.	BIKE SPACE REQ.	BIKE SPACE PROV.	MIN. FAR.	MAX. FAR.	MAX. BLDG. HEIGHT							
1-A	22.21	207,585	RETAIL	C-2	-	747	112	635	1076	20	44	5	6	34	35	0.15	0.35	PER O-1 ZONE							
1-A		22,825	GARDEN CENTER			57	9	48																	
2	1.67	12,152	RESTAURANT	C-2	375	**125	19	106	76	8	5	1	1	-	-	0.15	0.35	PER O-1 ZONE							
3	0.36	3,000	BANK	C-2	-	15	3	12	17	1	2	1	1	-	-	0.15	0.35	PER O-1 ZONE							
4-A	1.12	12,000	RETAIL	C-2	-	60	9	51	77	4	4	1	1	3	5	0.15	0.35	PER O-1 ZONE							
5-A	2.02	11,637	RESTAURANT	C-2	344	*86	13	73	141	4	4	1	2	4	5	0.15	0.35	PER O-1 ZONE							
1-C	1.61	20,000	RETAIL	C-2	-	95	14	81	73	4	4	1	2	4	5	0.15	0.35	PER O-1 ZONE							
1-B	1.26	14,500	RETAIL	C-2	-	73	11	62	57	4	4	1	2	3	5	0.15	0.35	PER O-1 ZONE							
TOTAL	30.25	303,699				1258	190	1068	1517	45	67	9	15	48	55										

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PLANNING



VICTORY MAP: H-20

LEGAL DESCRIPTION:
PARCELS 1, 4, AND 5 OF THE WYOMING MALL SUMMARY PLAT, BEING A PORTION OF BLOCK A, SNOW HEIGHT ADDITION

COMMON STORM DRAINAGE, PEDESTRIAN, PARKING, AND VEHICULAR ACCESS ACROSS ALL PARCELS IS GRANTED BY THIS SITE PLAN AND WILL BE GRANTED ON THE REPEAT.

INDEX TO DRAWINGS

1. SITE PLAN FOR SUBDIVISION
- 1A. EXISTING APPROVED SITE PLAN
2. SITE PLAN FOR BUILDING PERMIT - A
3. SITE PLAN FOR BUILDING PERMIT - B
4. LANDSCAPE PLAN - A
- 4A. LANDSCAPE PLAN - B
5. GRADING AND DRAINAGE PLAN - A
6. GRADING AND DRAINAGE PLAN - B
7. MASTER UTILITY PLAN - A
8. MASTER UTILITY PLAN - B
9. ELEVATIONS - FURR'S
10. ELEVATIONS - PETS-MART
11. ELEVATIONS - DOLLAR TREE
12. ELEVATIONS - 12K BUILDING
- 12A. ELEVATIONS - WAL-MART
- 12B. ELEVATIONS - WAL-MART
- 12C. ELEVATIONS - WAL-MART
- 12D. ELEVATIONS - WAL-MART

PURPOSE STATEMENT:
THE PURPOSE IS TO REDEVELOP THE SHOPPING CENTER FROM 299,160 SF OF EXISTING STORES TO 288,547 SF OF NEW STORES, DEMOLISHING THOSE STORES AND CREATING NEW STORES WITH THE EXISTING RESTAURANT, AND BANK BUILDING TO REMAIN. USES WILL BE RESTAURANT AND RETAIL.

PROJECT NUMBER: 1003747
APPLICATION NUMBER: 25DRB-01550

This plan is consistent with the specific Site Development Plan approval by the Environmental Planning Commission (EPC) dated 11/9/05, and the Findings and Conditions in the Official Notification of Decision are satisfied.

DRB SITE DEVELOPMENT PLAN SIGNOFF APPROVAL:

<i>[Signature]</i> Traffic Engineer, Transportation Division	11-9-05 Date
<i>[Signature]</i> Utilities Development	11/9/05 Date
<i>[Signature]</i> Parks & Recreation Department	11/9/05 Date
<i>[Signature]</i> City Engineer	11/9/05 Date
N/A Environmental Health Department (conditional)	Date
N/A Solid Waste Management	Date
On 11/04/05 <i>[Signature]</i> DRB Chairperson, Planning Department	3/20/07 Date

FOR REFERENCE ONLY RECORD DRAWING

	ENGINEER'S SEAL	ALBUQUERQUE WAL-MART NM: 5491-00	DRAWN BY BDG
			DATE 11/08/05
		SITE PLAN FOR SUBDIVISION	2282SPBLDWG
		TERRA WEST, LLC 8509 JEFFERSON NE ALBUQUERQUE, NEW MEXICO 87113 (505) 858-3100	SHEET # SHEET 4 OF 19
RONALD R. BOHANNAN P.E. #7868			JOB # 24047

CPN 772 681

Sheet 4 of 19

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 STANDARDS OF NEW MEXICO UTILITIES INCORPORATED AND WITH CITY OF ALBUQUERQUE INTERIM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1985.
3. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (260-1999), 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.

WAL-MART
SUPERCENTER #5491-00
C-195-SGR-NO

195,921 SF (APPROX)

F.F.E = 5395.50

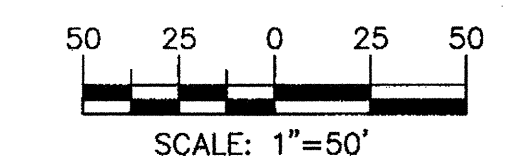
LEGEND

- CONSTRUCTION BOUNDARY
- EXISTING CURB & GUTTER
- BOUNDARY LINE
- EASEMENT
- PROPOSED EASEMENT
- PROPOSED SCREEN WALL
- PROPOSED RETAINING WALL
- PROPOSED SIDEWALK
- 5011 --- EXISTING CONTOUR
- 5010 --- EXISTING INDEX CONTOUR
- 5011 --- EXISTING SPOT ELEVATION
- 5010 --- PROPOSED CONTOUR
- 5010 --- PROPOSED INDEX CONTOUR
- x 5048.25 PROPOSED SPOT ELEVATION
- FLOW ARROW

CAUTION:

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.

GRAPHIC SCALE



FOR REFERENCE ONLY

NO.	DATE	REMARKS	BY
REVISIONS			
ENGINEER'S SEAL		ALBUQUERQUE WAL-MART NM-5491-00	DRAWN BY BJF
		GRADING AND DRAINAGE PLAN - A	DATE 09/05/07
			2292 GR-1 GRADING PLAN
			SHEET #
			SHEET 5 OF 19
		TIERRA WEST, LLC 5571 MIDWAY PARK PLACE NE ALBUQUERQUE, NM 87109 (505)858-3100	JOB # 22092
RONALD R. BOHANNAN P.E. #7868			

CPN 7726 81 Sheet 5 of 19

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PLANNING

FOUNDATION SUBSURFACE PREPARATION - PROPOSED WAL-MART - #5491-00
ALBUQUERQUE, NEW MEXICO
TERRACON PROJECT NO. 66045067
02/07/06

UNLESS SPECIFICALLY INDICATED OTHERWISE IN THE DRAWINGS AND/OR SPECIFICATIONS, THE LIMITS OF THIS SUBSURFACE PREPARATION ARE CONSIDERED TO BE THAT PORTION OF THE SITE DIRECTLY BENEATH AND 5 FEET BEYOND THE BUILDING AND APPURTENANCES.

APPURTENANCES ARE THOSE ITEMS ATTACHED TO THE BUILDING PROPER (REFER TO DRAWING SHEET SP1, TYPICALLY INCLUDING, BUT NOT LIMITED TO, THE BUILDING, SIDEWALKS, PORCHES, RAMPS, STAIRS, TRUCK WELLS, STOPS, COMPACTORS PAD, ETC. THE SUBBASE AND THE VAPOR BARRIER, WHERE REQUIRED, DO NOT EXTEND BEYOND THE LIMITS OF THE ACTUAL BUILDING AND THE APPURTENANCES.

ESTABLISH THE FINAL SUBGRADE ELEVATION TO ALLOW FOR THE SLAB THICKNESS AND A 6 INCH SUBBASE FOR EXPOSED CONCRETE SLABS CONSISTING OF 4 INCH COARSE AGGREGATE AND 2 INCH FINE AGGREGATE. THE INTERIOR SLAB SUBBASE SHALL CONSIST OF 4 INCHES OF COARSE AGGREGATE MEETING THE GRADATION REQUIREMENTS OF OPEN GRADED BASE COURSE (OGBC) AS DEFINED BY NMDOT, SECTION 304 COVERED WITH 1 INCHES OF FINE AGGREGATE MEETING THE GRADATION REQUIREMENTS OF ASTM D-448, SIZE 10 AGGREGATE WITH 6 PERCENT TO 12 PERCENT PASSING THE NO. 200 SIEVE. THE EXTERIOR SLAB SUBBASE SHALL CONSIST OF 4 INCHES OR COARSE AGGREGATE MEETING THE GRADATION REQUIREMENT OF OGBC AS DEFINED BY NMDOT, SECTION 304 COVERED WITH 2 INCHES OF FINE AGGREGATE WITH 6 PERCENT TO 12 PERCENT PASSING THE NO. 200 SIEVE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ACCURATE MEASUREMENTS FOR ALL CUT AND FILL DEPTHS REQUIRED.

REMOVE SURFACE VEGETATIONS, TOPSOIL, ROOT SYSTEMS, ORGANIC MATERIAL, EXISTING FOUNDATIONS, ASPHALT, INFRASTRUCTURE SYSTEMS, ORGANIC MATERIAL, OTHERWISE UNSUITABLE MATERIAL FROM THE BUILDING AREA. UPON REMOVAL OF SURFACE MATERIALS (WHERE NECESSARY), THE SPREAD FOUNDATIONS SHOULD BEAR ON A MINIMUM OF 5 FEET OF ENGINEERED FILL AND THE INTERIOR AND EXTERIOR SLABS SHOULD BEAR ON A MINIMUM OF 3 FEET OF ENGINEERED FILL. IF REMOVAL OF EXISTING SOILS IS REQUIRED TO OBTAIN 5 FEET OF ENGINEERED FILL, THE OVEREXCAVATION SHOULD EXTEND LATERALLY 8 INCHES BEYOND THE EDGE OF FOOTINGS FOR EACH FOOT OF EXCAVATION, BUT NOT BE LESS THAN 42 INCHES BEYOND THE EDGE OF FOOTING. PROTECT ALL EXPOSED SUBGRADE. REMOVE AND REPLACE UNSUITABLE AREAS AND BACKFILL OVEREXCAVATION WITH SUITABLE MATERIAL. SUBGRADE AND ENGINEERED FILL MATERIAL SHALL BE FREE OF ORGANIC AND OTHER DELETERIOUS MATERIALS AND SHALL MEET THE FOLLOWING REQUIREMENTS:

Gradation	ASTM C136
3"	100
No. 4 Sieve	50-100
No. 200 Sieve	50 (max)
Liquid Limit	35 (max)
Plasticity Index	12 (max)

BLENDED THE FINE GRAINED MATERIALS WITH THE COARSE GRAINED MATERIALS WILL MOST LIKELY BE NECESSARY TO MEET THE GRADATION REQUIREMENTS. THE SUBGRADE MATERIAL SHALL BE PLACED IN LOOSE LIFTS NOT EXCEEDING 10 INCHES IN THICKNESS IF SOIL HAS NO PI AND 8 INCHES FOR SOILS WITH PI AND COMPACTED TO AT LEAST 95 PERCENT OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY (ASTM D1557) AT A MOISTURE CONTENT WITHIN 1 PERCENT BELOW TO 3 PERCENT ABOVE THE OPTIMUM. FOR SOILS WITH A PLASTICITY INDEX GREATER THAN 5 AND AT A MOISTURE CONTENT WITHIN 3 PERCENT BELOW AND 3 PERCENT ABOVE THE OPTIMUM FOR ALL OTHER SOILS THE CONTRACTOR SHOULD ACKNOWLEDGE BOTH COMPACTION AND SOIL MOISTURE CONTENT REQUIREMENTS MUST BE MET TO ACHIEVE A SUITABLE ENGINEERED FILL.

THE FOUNDATION SYSTEM SHALL BE ISOLATED SPREAD FOOTINGS AT COLUMNS AND CONTINUOUS FOOTINGS AT WALLS.

THIS FOUNDATION SUBSURFACE PREPARATION DOES NOT CONSTITUTE A COMPLETE SITE WORK SPECIFICATION. IN CASE OF CONFLICT, INFORMATION COVERED IN THIS PREPARATION SHALL TAKE PRECEDENCE OVER THE WAL-MART SPECIFICATION. REFER TO THE SPECIFICATIONS FOR SPECIFIC INFORMATION NOT COVERED IN THIS PREPARATION. THIS INFORMATION WAS TAKEN FROM A GEOTECHNICAL REPORT PREPARED BY TERRACON, DATED JANUARY 18, 2006 (GEOTECHNICAL REPORT IS FOR INFORMATION ONLY AND IS NOT A CONSTRUCTION SPECIFICATION).

E-MAIL ADDRESSES FOR THE GEOTECHNICAL ENGINEERS IS KSCOTT@TERRACON.COM AND JMAHNN@TERRACON.COM

LEGEND

---	CONSTRUCTION BOUNDARY
----	EXISTING CURB & GUTTER
----	BOUNDARY LINE
----	EASEMENT
----	PROPOSED EASEMENT
----	PROPOSED SCREEN WALL
----	PROPOSED RETAINING WALL
----	PROPOSED SIDEWALK
---	EXISTING CONTOUR
---	EXISTING INDEX CONTOUR
---	EXISTING SPOT ELEVATION
---	PROPOSED CONTOUR
---	PROPOSED INDEX CONTOUR
x 5048.25	PROPOSED SPOT ELEVATION
→	FLOW ARROW

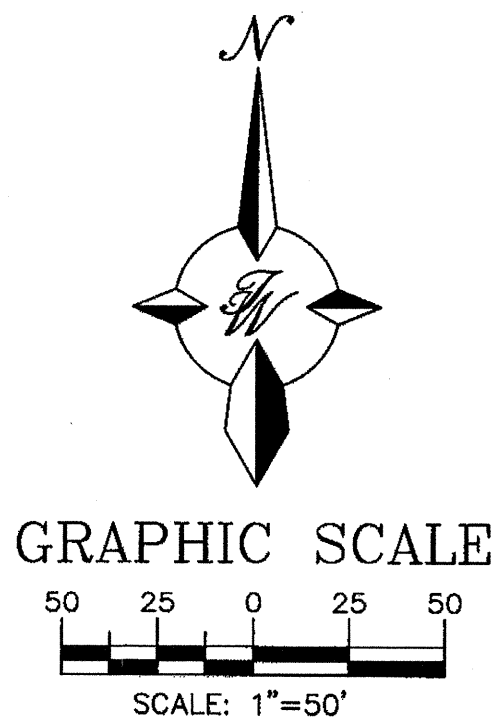
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3. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 765-1234, FOR LOCATION OF EXISTING UTILITIES.
4. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL CONSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.

CAUTION

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.



1	2/1/07	GRADING AROUND 16K BUILDING	SL
NO.	DATE	REMARKS	BY
REVISIONS			
ENGINEER'S SEAL	ALBUQUERQUE WAL-MART NM-5491-00		DRAWN BY BJF
	GRADING AND DRAINAGE PLAN - B		DATE 09/05/07
	TIERRA WEST, LLC 5571 MIDWAY PARK PLACE NE ALBUQUERQUE, NM 87109 (505)858-3100		2292 GR-1 GRADING PLAN
			SHEET # SHEET 6 OF 19
RONALD R. BOHANNAN P.E. #7868			JOB # 22092

CPN 7726 81 sheet 6 of 19

The seal is circular with "NEW MEXICO" at the top and "ENGINEER" at the bottom. The center contains the number "10000" and the year "1868". A signature, "J. M. Smith", is written across the seal. To the left of the seal is a rectangular box with the text "Engineer's Seal" and "Signature".

F.F.E = 5395.50

NOTICE TO CONTRACTORS

1. ALL WORK DETAILED ON THESE PLANS TO BE PROVIDED OTHERWISE PERFORMED, EXCEPT AS STATED OR PROVIDED HEREON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS.
2. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, (505)260-1990, FOR LOCATION OF EXISTING UTILITIES.
3. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL LOCATE 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.
4. BACK FILL COMPACTION SHALL BE ACCORDING TO RESIDENTIAL STREET USE.
5. MAINTENANCE OF THESE FACILITIES SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY SERVED.
6. WORK ON ARTERIAL STREETS SHALL BE PERFORMED ON A 24-HOUR BASIS.

GENERAL NOTES:

1. 4" MINIMUM BURY REQUIRED FOR ALL UTILITIES
UNLESS NOTED.
2. REFERENCE ARCHITECTURAL PLANS FOR WATER LINE
RISE/ RISE LOCATION.
3. ALL STUBS AND UTILITY LOCATIONS MUST BE FIELD
VERIFIED PRIOR TO CONSTRUCTION.
4. CLEAN OUTS TO BE BUILT PER UNIFORM PLUMBING
CODE STANDARDS.
5. SEE ARCHITECTURAL PLANS FOR LIGHTING CONDUITS
AND TELEPHONE LINES.
6. ALL FIRE HYDRANTS TO BE 4" MIN BURY AND BUILT
PER COA STD DWG 2340 FULLY RESTRAINED.
7. 3/4" TO 1" WATER SERVICES TO BE BUILT PER COA
STD DWG #2361, 2362, AND 2368
8. 1-1/2" TO 2" WATER SERVICES ARE TO BE BUILT PER
COA STD DWG # 2361, 2363, AND 2367.
9. REMOVE AND REPLACE EXISTING ARTERIAL PAVING
PER COA STD DWG # 2465. TYPICAL AT ALL UTILITY
CONNECTIONS IN R.O.W.
10. ALL EXCAVATION, TRENCHING AND SHORING
ACTIVITIES MUST BE CARRIED-OUT IN ACCORDANCE
WITH OSHA 29 CFR 1926.650 SUBPART P.
11. ALL WORK IN ROW TO BE PART OF WORK ORDER.

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.

RESTRAINED JOINT LENGTHS FOR TEES*						
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

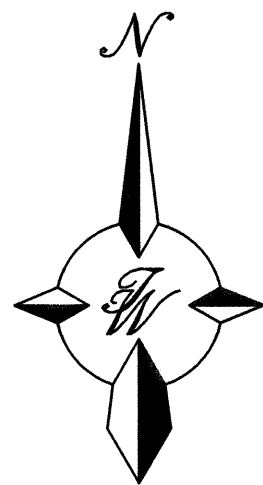
*RESTRAINTS ONLY PLACED ON THE BRANCH
 **LENGTH ALONG RUN REFERS TO THE LENGTH OF PIPE ON
 EITHER SIDE OF THE TEE BEFORE THE NEXT JOINT.

NOTE:
LIMITS OF CITY WORK ORDER 7726.81 IS WITHIN RIGHT OF WAY.

RESTRAINED JOINT LENGTHS FOR HORIZONTAL BENDS, VALVES, AND DEAD ENDS (EACH SIDE)						
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
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



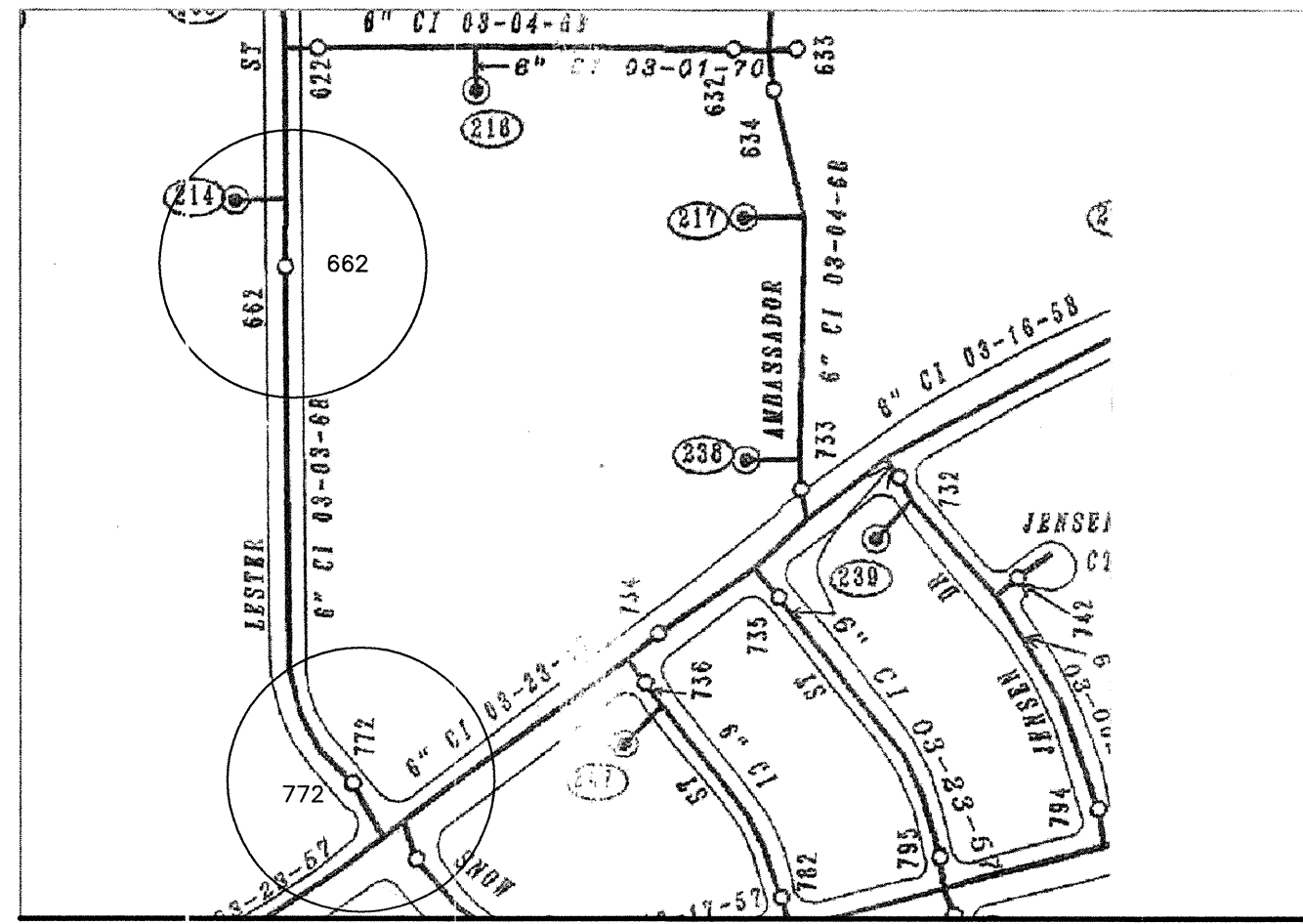
GRAPHIC SCALE

25 0 25 50

SCALE: 1"=50'

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 ABOVE PLAN



WATER SHUT-OFF PLAN SHUT OFF VALVES # 772 & 662

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: **ALBUQUERQUE EC WAL-MART 5491**
UTILITY IMPROVEMENTS
MASTER UTILITY PLAN - A

DESIGN REVIEW COMMITTEE
APPROVED
JUL 21 2003
DESIGN
REVIEW COMMITTEE

CITY ENGINEER - APPROVAL

APPROVED

FEB 02 2009

CITY ENGINEER

LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.

CITY PROJECT NO.

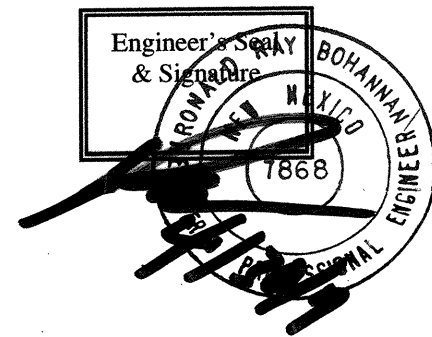
7726.81

ZONE MAP NO.
H-20-Z

SHEET 07 OF 19

SCANNED BY
PLANNING

I, Ronald R. Bohanan, 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 Thomas D. Johnston, of Wavjohn Surveying Inc., NMPS number 14269.



CURVE TABLE						
CURVE	LENGTH	RADIUS	DELTA	TANGENT	CH. BEARING	CHORD
C3	42.50	30.00	81°09'52"	25.70	S49°35'13"W	36.03
C4	17.22	20.00	48°20'12"	9.19	S24°40'06"E	19.69
C5	19.09	21.51	50°50'49"	10.23	S47°32'31"E	18.47
C6	35.56	49.90	40°49'59"	18.57	N69°50'14"W	34.81
C7	15.17	50.00	17°22'48"	7.64	S81°05'46"W	15.11
C8	22.65	40.00	32°27'00"	12.94	S73°35'40"W	22.35
C9	33.05	100.00	28°01'30"	16.64	S71°20'57"E	32.85
C12	21.42	50.00	24°32'31"	10.88	N36°41'22"W	21.25
C13	22.10	54.13	23°23'41"	11.21	S73°23'30"W	21.95

A 6' CONC. SIDEWALK PER COA STD DWG #2441

B STANDARD CURB AND GUTTER PER COA STD DWG #2415A

C MEDIAN CURB AND GUTTER PER COA STD DWG #2415B

D NEW HC RAMP. SEE DETAIL SHEET 19

E YELLOW PAINTED MEDIAN NOSE

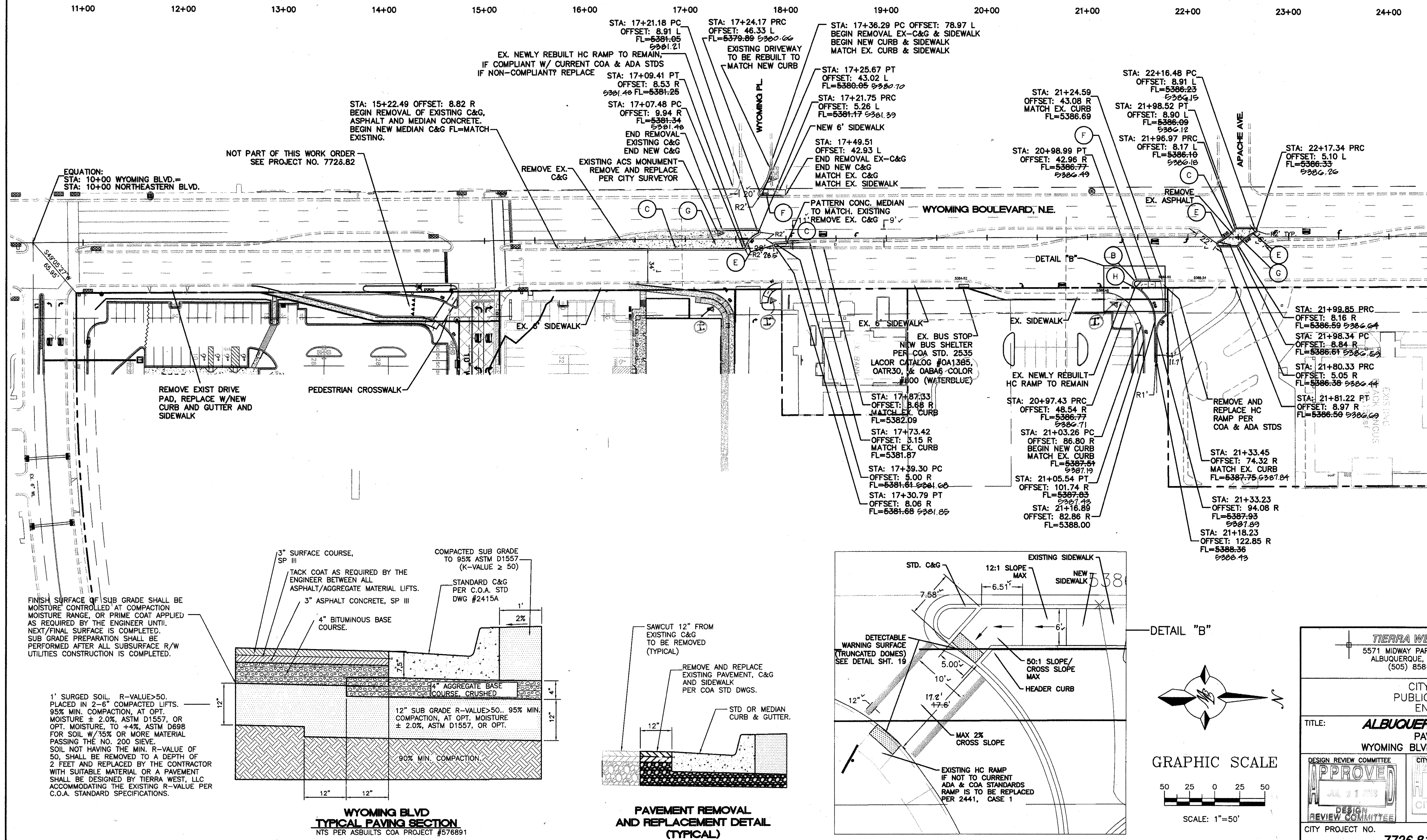
F UNIDIRECTIONAL HC RAMP. SEE DETAIL SHEET 19

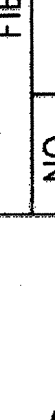
G PATTERN CONCRETE MEDIAN. SEE SAMPLE - DETAL SHEET 19
PER COA STD DWG #2408

H PED. CROSSING & HC RAMP. SEE DETAIL THIS SHEET

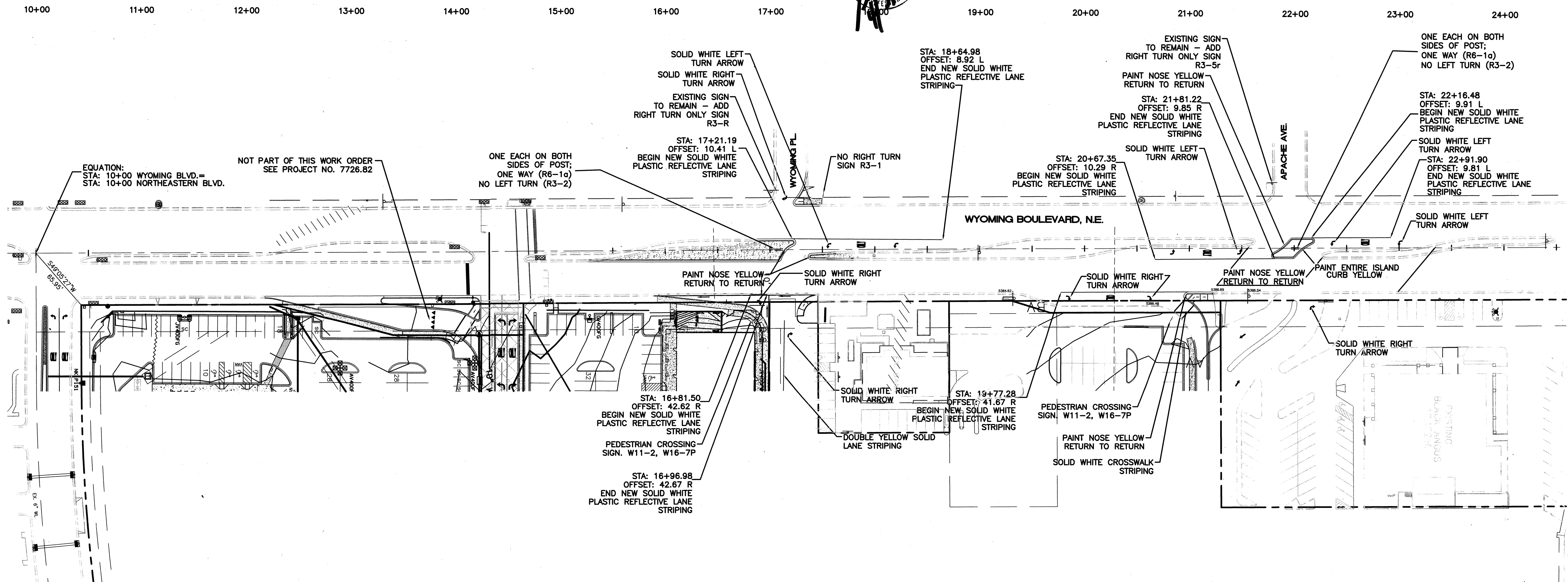
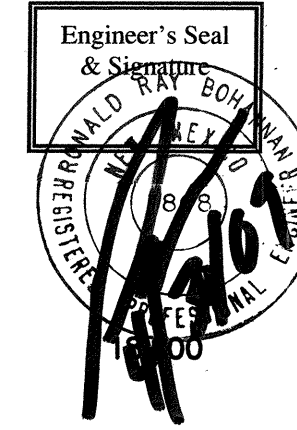
1. Public roadway easement granted by decedent
20080224871; 20080224872 recorded 4/28/08

1. REMOVE AND REPLACE EXISTING C&G, SIDEWALK AND PAVEMENT PER COA STD DWGS 2415A, 2420, 2430.
2. ADJUST ALL VALVE BOXES AND MANHOLES TO FINAL GRADE.

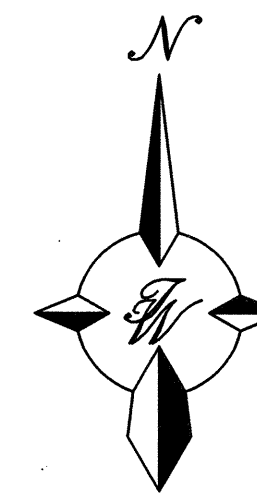
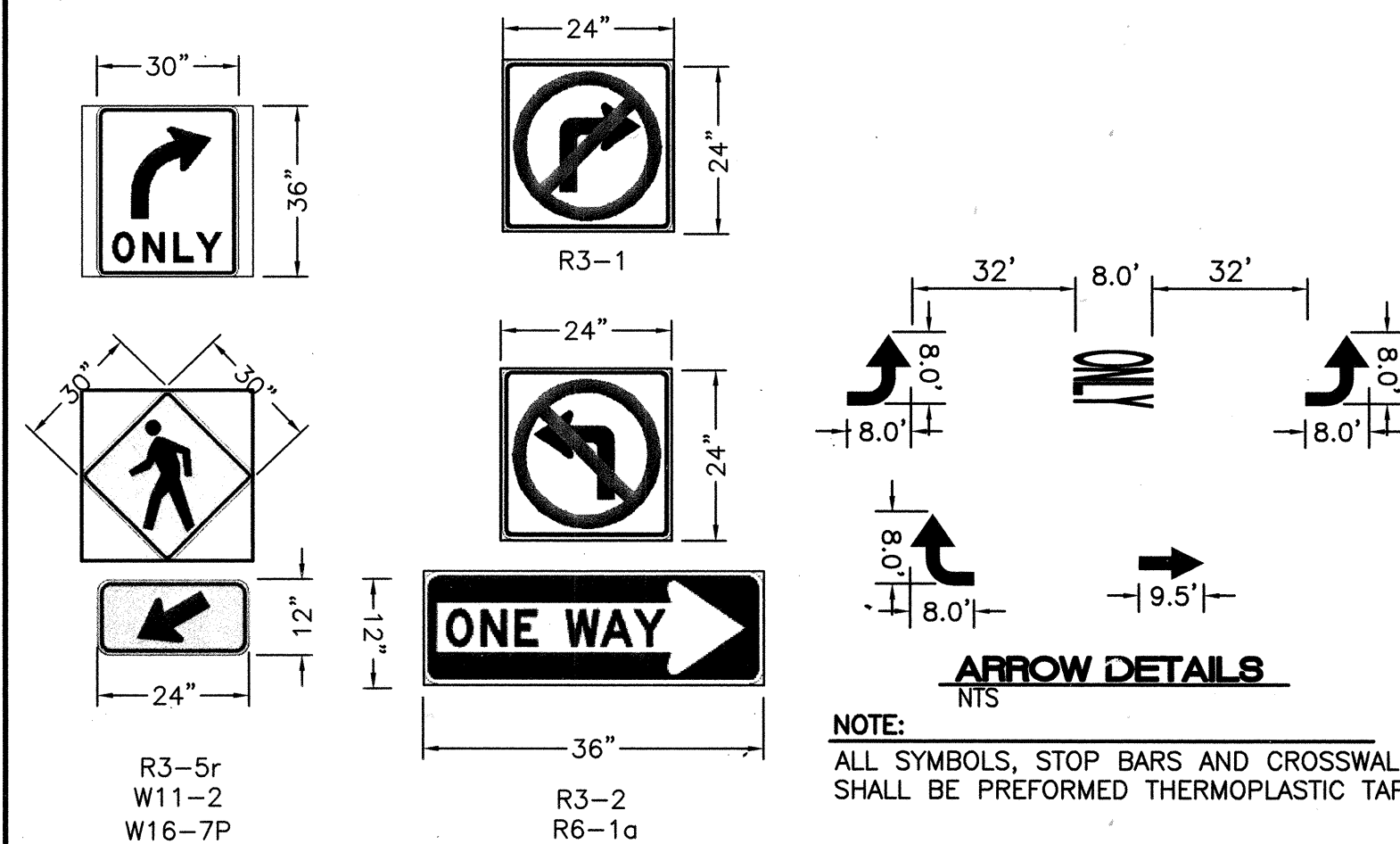


SHEET		OF	
08		19	
RT 5491 DATE: 22+00 MO./DAY/YR. MO./DAY/YR.			
NO. DATE REMARKS REVISIONS DESIGN DESIGNED BY: SL DATE: -- DRAWN BY: BF DATE: -- DRAWING NAME: 2292-SH08-WYOMING-PV JOB NO.: 220092 CHECKED BY: SL DATE: 05/13/08			
ENGINEER'S SEAL			
SURVEY INFORMATION		FIELD NOTES	
NO.		BY	
A.C.S. MONUMENT "14-H18"		DATE	
STANDARD A.C.S. BRASS TABLET			
NEW MEXICO STATE PLANE COORDINATES			
(CENTRAL ZONE-N.A.D. 1927)			
X=410,196.57			
Y=1,493,778.31			
EL=5381.135			
GROUND TO GRID FACTOR=0.99867854			
DELTA ALPHA ANGLE=-0°14'44"			
AS BUILT INFORMATION		BENCH MARKS	
CONTRACTOR <i>Franklin's Earthmoving</i>			
STARTED BY <i>Waylon</i>			
DATE 2004			
INSPECTOR'S FIELD			
SURVEYED BY <i>TJWLLC</i>			
DATE 2009			
VERIFICATION BY <i>TJWLLC</i>			
DATE 11-09			
CORRECTED BY			
MICRO-FILM INFORMATION			
RECORDED BY		DATE	
NO.			

I, Ronald R. Bohanan, 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 Thomas D. Johnston, of Wavioch Surveying Inc., NMPIS number 14269.



1. ALL SIGNS SHALL BE MADE IN ACCORDANCE WITH THE M.U.T.C.D. (CURRENT EDITION)
2. ALL STRIPING AND PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH THE M.U.T.C.D. (CURRENT EDITION)
3. ALL STRIPING TO BE REFLECTIVE PREFORMED THERMOPLASTIC TAPE
4. ALL CONFLICTING STRIPING SHALL BE ERADICATED BY WATER BLASTING OR SURFACE PLANING OF THE ROADWAY TO A MAXIMUM DEPTH OF 0.25 INCHES AND A WIDTH TO EQUAL 2 TIMES THE WIDTH OF THE STRIPE OR MARKING TO BE REMOVED.



A horizontal number line with tick marks at intervals of 5. The labels above the tick marks are 50, 25, 0, 25, and 5. The line extends from 50 on the left to 5 on the right.

SCALE: 1"=50'

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

ALBUQUERQUE EC WAL-MART 5491

STRIPING IMPROVEMENTS
WYOMING BLVD. STRIPING AND SIGNAGE

DESIGN REVIEW COMMITTEE

APPROVE

JUL 31 2008

DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL

APPROVED

FEB 02 2009

CITY ENGINEER

LAS: DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.

CITY PROJECT NO.

ZONE MAP NO.
H-20-Z

SHEET 09 OF 19

LINE TABLE		
LINE	LENGTH	BEARING
* L1	125.00	N89°47'09"E

10+00 11+00 12+00 13+00 14+00 15+00 16+00

STA: 12+36.73
OFFSET: 33.33 L
BEGIN REMOVAL EXISTING
SIDEWALK, DRIVEPAD AND C&G
BEGIN NEW C&G AND SIDEWALK
MATCH EX-FL

STA: 12+14.18
OFFSET: 16.92 L
BEGIN MEDIAN C&G
FL=5377.11

STA: 12+09.87
OFFSET: 16.93 L
END MEDIAN C&G
FL=5377.11

EXISTING
CATTLE GUARD
DROP-INLET

STA: 11+42.88 PC
OFFSET: 10.90 L
FL=5375.96

STA: 11+40.92 PC
OFFSET: 4.90 L
FL=5375.71

STA: 11+75.68 PRC
OFFSET: 14.16 L
FL=5376.62

STA: 11+80.81 PRC
OFFSET: 9.78 L
FL=5376.69

STA: 12+02.18 PT
OFFSET: 16.89 L
END MEDIAN
FL=5376.98

STA: 12+02.24 PT
OFFSET: 13.36 L
END MEDIAN
FL=5377.06

STA: 12+14.18
OFFSET: 13.89 L
BEGIN MEDIAN
FL=5377.21

STA: 13+07.65 PT
OFFSET: 55.72 L
FL=5378.99

STA: 13+05.10
OFFSET: 33.41 L
FL=5378.54

STA: 12+85.64 PC
OFFSET: 33.35 L
MATCH FL AT DI

EXISTING
CATTLE GUARD
DROP-INLET

STA: 12+81.67 PC
OFFSET: 13.89 L
FL=5378.58

STA: 12+91.67 PC
OFFSET: 16.89 L
FL=8378.54

STA: 12+82.15
OFFSET: 13.89 L
END MEDIAN
FL=5378.37

STA: 12+82.15
OFFSET: 16.89 L
END MEDIAN
FL=5378.32

STA: 12+77.82
OFFSET: 13.91 L
END MEDIAN
FL=5378.22

STA: 12+77.80
OFFSET: 16.91 L
END MEDIAN
FL=5378.16

STA: 13+39.72 PC
OFFSET: 61.97 L
FL=5379.73

STA: 13+35.93
OFFSET: 33.54 L
FL=5379.08

STA: 13+65.35 PT
OFFSET: 33.55 L
MATCH EX-FL
FL=5379.50

STA: 13+98.99
REMOVE EXISTING
DRIVEPAD
BUILD NEW
C&G AND SIDEWALK
MATCH EX-FL

STA: 15+00.90
REMOVE EXISTING
DRIVEPAD
BUILD NEW
C&G AND SIDEWALK
MATCH EX-FL

STA: 16+91.35
REMOVE EXISTING DRIVEPAD
BUILD NEW
C&G AND SIDEWALK
MATCH EX-FL

STA: 17+44.78
OFFSET: 38.38 L
MATCH EX. SIDEWALK

STA: 17+20.35
END NEW
C&G AND SIDEWALK
MATCH EX-FL

STA: 17+11.89 PRC
OFFSET: 9.85 L
FL=5385.96

STA: 16+67.89 PC
OFFSET: 3.88 L
FL=5384.80

STA: 17+49.11 PT
OFFSET: 14.88 L
FL=5386.49

STA: 18+09.95
OFFSET: 1.88 L
FL=5387.95

STA: 19+05.00 PC
OFFSET: 17.89 L
FL=5389.30

STA: 19+05.05 PC
OFFSET: 14.89 L
FL=5389.92

STA: 19+29.91 PRC
OFFSET: 3.89 L
FL=5389.90

STA: 19+54.17 PRC
OFFSET: 17.89 L
FL=5390.32

STA: 19+78.20 PRC
OFFSET: 8.94 L
FL=5390.66

STA: 20+18.59 PRC
OFFSET: 14.89 L
FL=5391.00

STA: 20+81.50
OFFSET: 1.89 L
FL=5392.03

STA: 20+89.99 PC
OFFSET: 3.90 L
FL=5392.00

STA: 21+63.82 PRC
OFFSET: 11.65 L
FL=5392.07

STA: 22+13.28
SEE SHEET 12

CONSTRUCTION NOTES:

1. REMOVE AND REPLACE EXISTING C&G, SIDEWALK AND PAVEMENT PER COA STD DWGS 2415A, 2420, 2430.
2. ADJUST ALL VALVE BOXES AND MANHOLES TO FINAL GRADE.

SECTION A-A
NTS

86' R.O.W.
43' F-F
14' 2' 12' 2' 13' 5'
EXISTING
SIDEWALK
2%
0.3%
12" OF SUBGRADE
95% COMPACTION
MIN. R VALUE = 50
6" CONCRETE
APRON
LANDSCAPING
2%

2" SURFACE COURSE
SP-III
TACK COAT AS REQUIRED BY THE
ENGINEER BETWEEN ALL
STANDARD C&G PER C.O.A.

Deleted

NON-APPLICABLE DATA.
MEDIAN NOT CONSTRUCTED
STREET PAVEMENT INTACT

END OF MEDIAN
AS CONSTRUCTED

HATCH PATTERN
IS LIMITS OF
PAVEMENT REMOVAL

EXISTING
6" SIDEWALK

NEW MEDIAN C&G
PER COA STD DWG 2415A
TYP.

EX. 6"
SIDEWALK

STA: 19+00.17 PC
OFFSET: 31.91 L
MATCH EX. CURB
FL=5388.95

STA: 19+05.00 PC
OFFSET: 17.89 L
FL=5389.30

STA: 19+05.05 PC
OFFSET: 14.89 L
FL=5389.92

STA: 19+29.91 PRC
OFFSET: 3.89 L
FL=5389.90

STA: 19+54.17 PRC
OFFSET: 17.89 L
FL=5390.32

STA: 19+78.20 PRC
OFFSET: 8.94 L
FL=5390.66

STA: 20+18.59 PRC
OFFSET: 14.89 L
FL=5391.00

STA: 20+81.50
OFFSET: 1.89 L
FL=5392.03

STA: 20+89.99 PC
OFFSET: 3.90 L
FL=5392.00

STA: 21+63.82 PRC
OFFSET: 11.65 L
FL=5392.07

STA: 22+13.28
SEE SHEET 12

ZONE MAP NO. *H-20-Z* SHEET *10* OF *19*

SCANNED BY
PLANNING

CURVE TABLE						
CURVE	LENGTH	RADIUS	DELTA	TANGENT	CH. BEARING	CHORD
C20	32.92	150.00	12°34'29"	16.53	N81°12'51"E	32.85
C22	40.02	150.00	15°17'11"	20.13	N80°10'32"E	39.90
C23	26.44	150.00	10°06'04"	13.26	S81°44'05"W	26.41
C25	29.42	151.00	11°09'44"	14.76	S79°30'48"W	29.37
C29	63.00	2200.03	1°38'27"	31.50	N85°48'39"E	63.00
C30	63.08	2240.60	1°36'48"	31.55	N85°47'03"E	63.09
C31	9.43	396.06	1°21'51"	4.72	N84°28'39"E	9.43
C32	9.43	396.31	1°21'22"	4.71	N84°28'36"E	9.43
C33	19.55	25.00	44°48'55"	10.31	N53°48'28"E	19.06
C34	20.26	25.00	46°25'32"	10.72	S23°02'37"E	19.71
C35	8.17	3.00	155°59'07"	14.10	S04°16'55"W	5.87
C36	20.65	48.00	24°39'15"	10.49	S86°02'16"E	20.50
C37	353.84	1723.79	11°45'40"	177.54	N78°23'38"E	353.22
C38	298.04	1732.54	9°51'23"	149.38	N78°43'35"E	297.67
C39	39.17	150.00	14°57'41"	19.70	N63°09'32"E	39.06

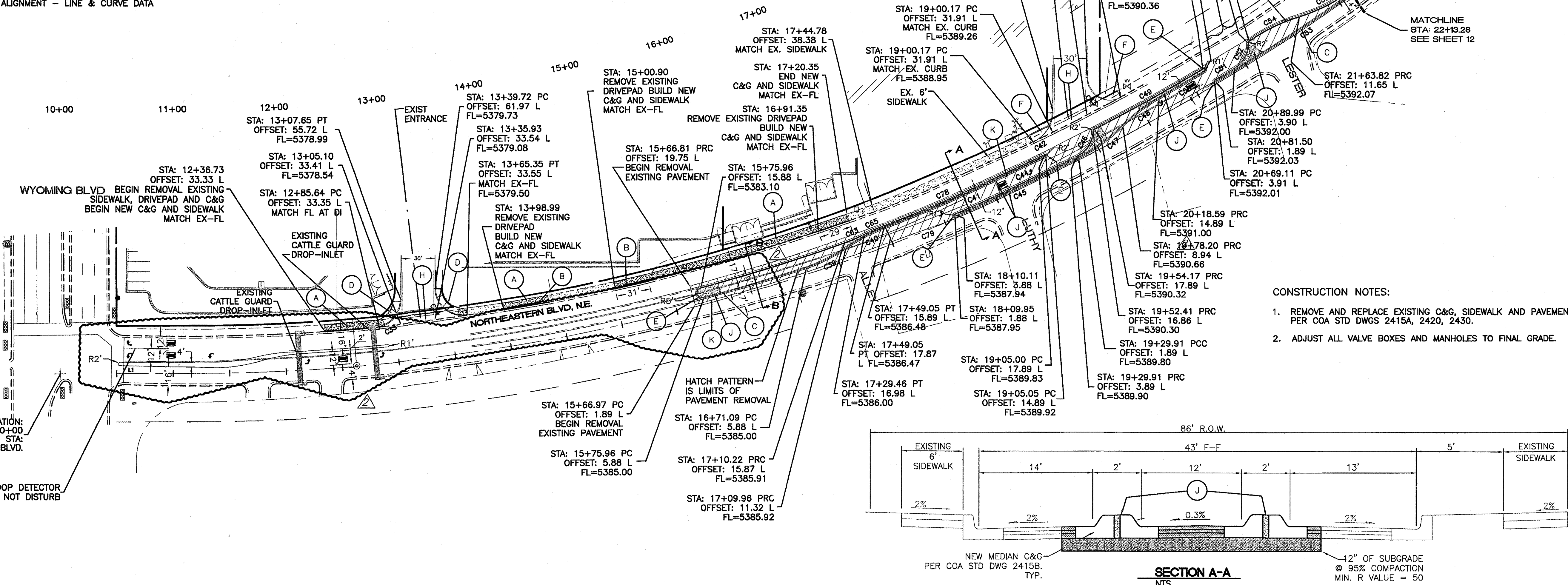
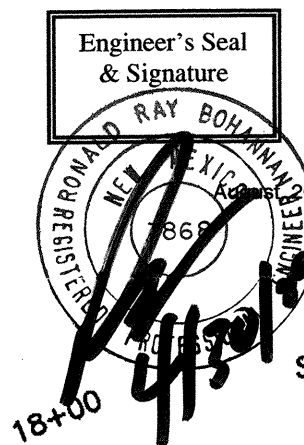
CURVE TABLE						
CURVE	LENGTH	RADIUS	DELTA	TANGENT	CH. BEARING	CHORD
C40	39.17	150.00	14°57'41"	19.70	S63°09'32"W	39.06
C41	154.58	1717.88	5°09'18"	77.33	N68°39'37"E	154.51
C42	27.51	30.00	52°32'59"	14.81	N39°09'54"E	26.56
C43	19.07	20.00	54°38'13"	10.33	S27°09'33"E	18.36
C44	119.69	1735.28	3°57'07"	59.87	N65°14'54"E	119.67
C45	120.42	1737.28	3°58'17"	60.23	N65°14'20"E	120.39
C46	27.18	25.00	62°16'59"	15.11	N32°47'13"E	25.86
C47	48.28	150.00	18°26'25"	24.35	N54°01'59"E	48.07
C48	40.68	150.00	15°32'17"	20.46	S52°34'55"W	40.55
C49	110.28	1721.28	3°40'15"	55.16	N60°38'16"E	110.28
C50	46.60	1724.28	1°32'55"	23.30	N59°34'36"E	46.60
C51	20.84	1404.61	0°51'00"	10.42	N58°22'24"E	20.84
C52	26.78	25.00	61°22'08"	14.83	N27°28'38"E	26.84
C53	202.38	1733.08	6°41'26"	101.30	N55°21'11"E	202.26
C76	6.16	35.00	10°04'47"	3.09	N21°44'25"W	6.15
C77	27.15	60.00	25°55'27"	13.81	N65°35'39"E	26.92
C78	154.61	1721.79	5°08'42"	77.36	N68°39'43"E	154.56
C79	135.71	1739.55	44°35'14"	713.21	N67°28'33"E	1319.81

LINE TABLE		
LINE	LENGTH	BEARING
* L1	125.00	N89°47'09"E

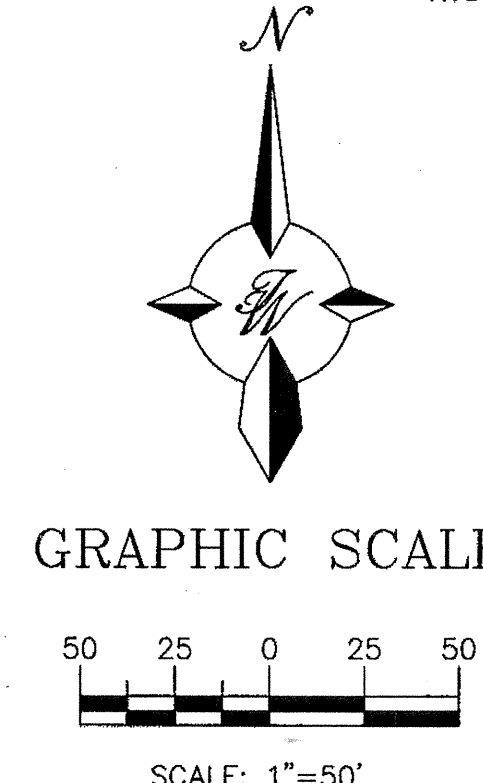
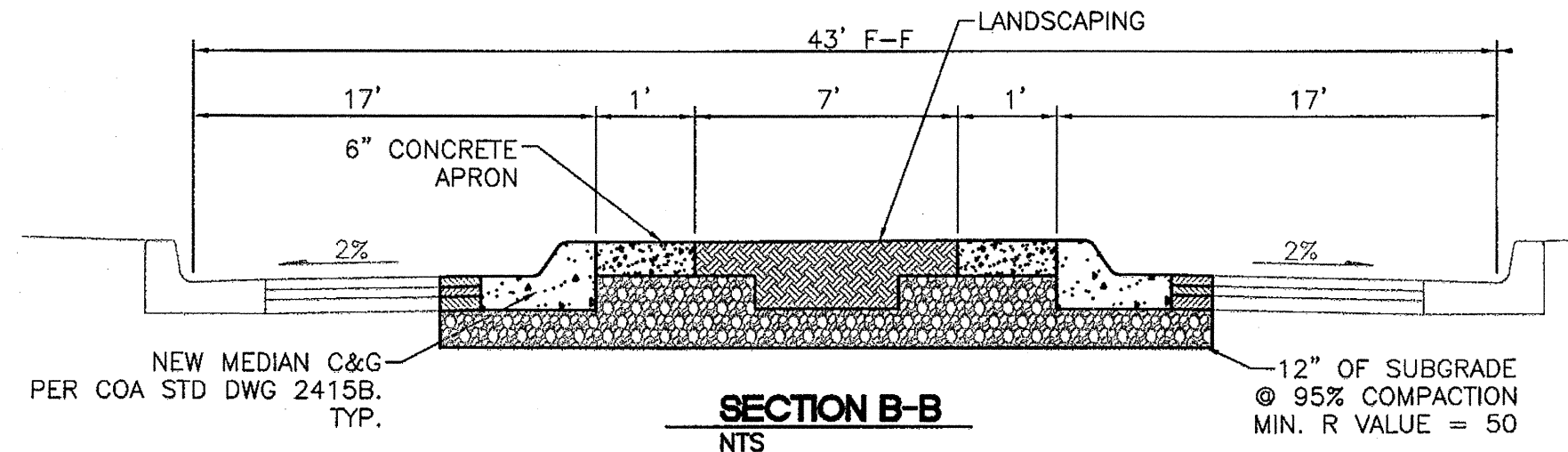
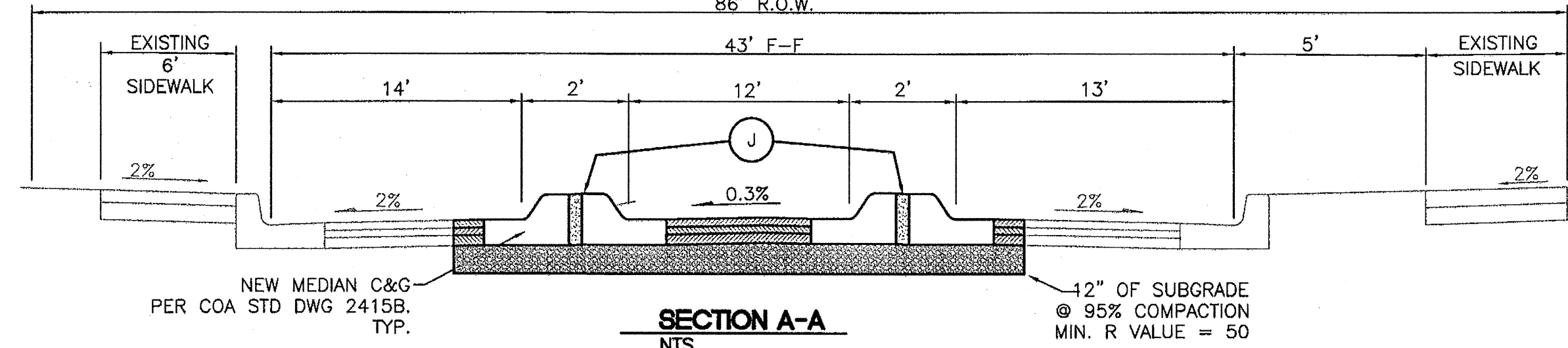
* NORTHEASTERN STATIONING ALIGNMENT - LINE & CURVE DATA

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 Thomas D. Johnston, of Wayjohn Surveying Inc., NMPS number 14269.



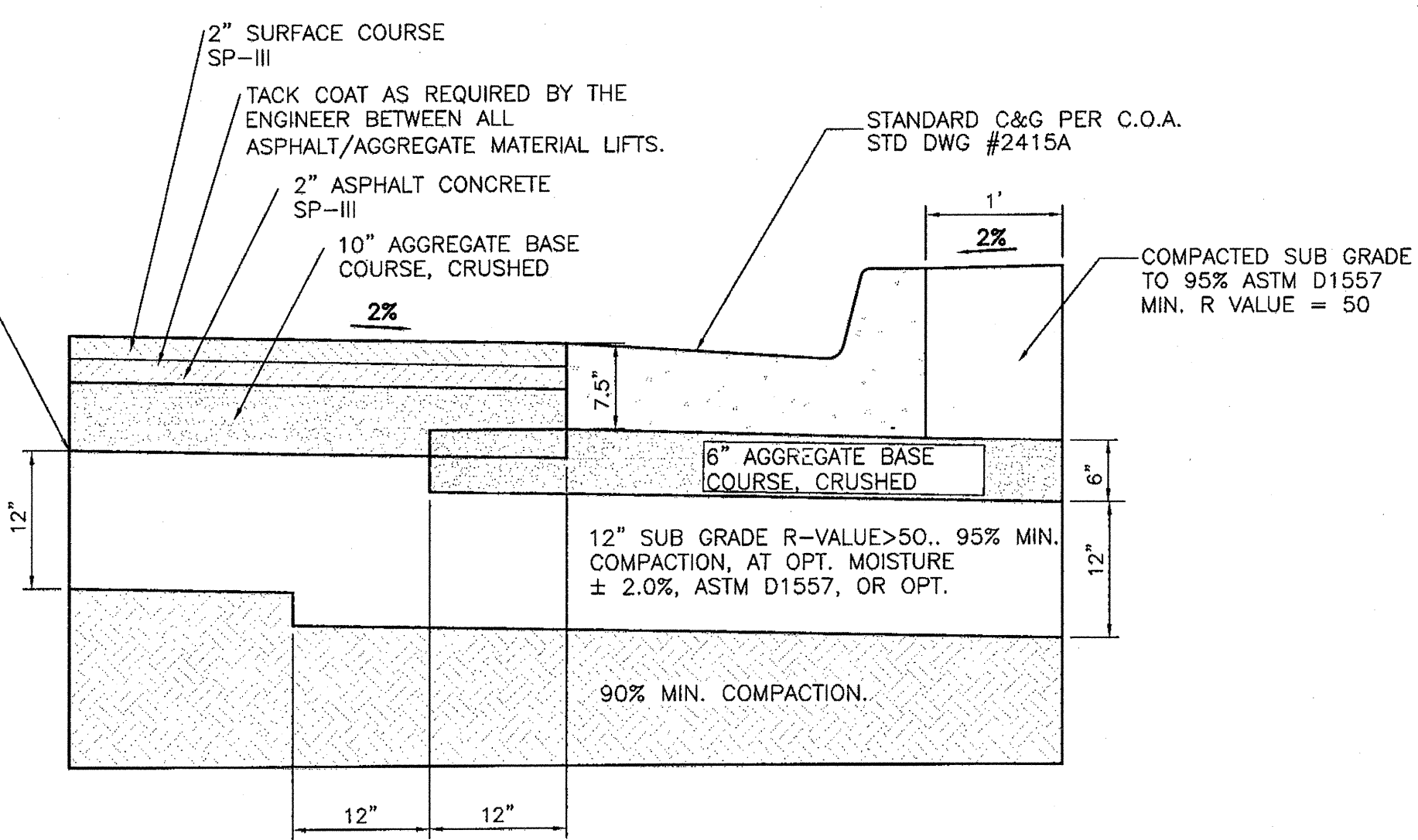
- CONSTRUCTION NOTES:
1. REMOVE AND REPLACE EXISTING C&G, SIDEWALK AND PAVEMENT PER COA STD DWGS 2415A, 2420, 2430.
 2. ADJUST ALL VALVE BOXES AND MANHOLES TO FINAL GRADE.



- KEYED NOTE:
- (A) 6" CONC. SIDEWALK PER COA DWG # 2430
 - (B) STANDARD CURB AND GUTTER PER COA STD DWG# 2415B
 - (C) MOUNTABLE MEDIAN CURB AND GUTTER PER COA STD DWG# 2415B
 - (D) NEW HC RAMP PER COA STD DWG# 2441. SEE DETAIL SHEET 19
 - (E) YELLOW PAINTED MEDIAN NOSE
 - (F) UNIDIRECTIONAL HC RAMP. SEE DETAIL SHEET 19
 - (G) PATTERN CONCRETE MEDIAN. SEE DETAIL SHEET 19
 - (H) 6" VALLEY GUTTER PER COA STD DWG 2420
 - (J) CONCRETE ON MEDIANS PER COA STD DWG 2408 & 2502
 - (K) ADJUST VALVE BOX AND/OR MH COVER TO FINISHED GRADE

FINISH SURFACE OF SUB GRADE SHALL BE MOISTURE CONTROLLED AT COMPACTION MOISTURE RANGE, OR PRIME COAT APPLIED AS REQUIRED BY THE ENGINEER UNTIL NEXT/FINAL SURFACE IS COMPLETED. SUB GRADE PREPARATION SHALL BE PERFORMED AFTER ALL SUBSURFACE R/W UTILITIES CONSTRUCTION IS COMPLETED.

1' SURGED SOIL, R-VALUE>50. PLACED IN 2-6" COMPACTED LIFTS. 95% MIN. COMPACTION, AT OPT. MOISTURE ± 2.0%, ASTM D1557, OR OPT. MOISTURE, TO +4%, ASTM D698 FOR SOIL W/35% OR MORE MATERIAL PASSING THE NO. 200 SIEVE. SOIL NOT HAVING THE MIN. R-VALUE OF 50, SHALL BE REMOVED TO A DEPTH OF 2 FEET AND REPLACED BY THE CONTRACTOR WITH SUITABLE MATERIAL OR A PAVEMENT SHALL BE DESIGNED BY TIERRA WEST, LLC ACCOMMODATING THE EXISTING R-VALUE PER C.O.A. STANDARD SPECIFICATIONS.



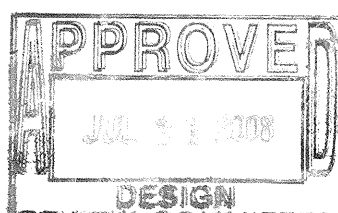
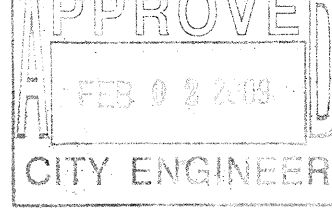
NORTHEASTERN BLVD.
STANDARD PAVING SECTION
Per: Terracon Consultants, Inc.

AS BUILT INFORMATION				SURVEY INFORMATION				ENGINEER'S SEAL			
CONTRACTOR	FRANKLIN'S EXISTING	DATE	2009	DATE	NO.	BY	NO.	DATE	NO.	BY	NO.
INSPECTOR	WAYJOHN SURVEYING	DATE	2009	DATE	NO.	BY	NO.	DATE	NO.	BY	NO.
REVISIONS				DATE	NO.	BY	NO.	DATE	NO.	BY	NO.
DESIGNED BY	SL	DATE		DESIGNED BY	SL	DATE		DESIGNED BY	SL	DATE	
DRAWN BY	BF	DATE		DRAWN BY	BF	DATE		DRAWN BY	BF	DATE	
CHECKED BY	SL	DATE		CHECKED BY	SL	DATE		CHECKED BY	SL	DATE	
CITY PROJECT NO. 7726.81				ZONE MAP NO. H-20-Z				SHEET 10R 19			

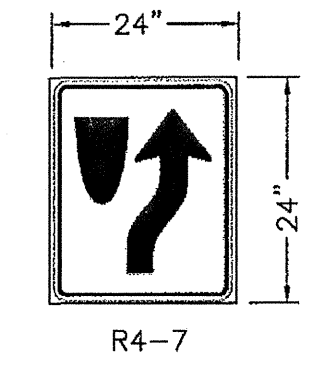
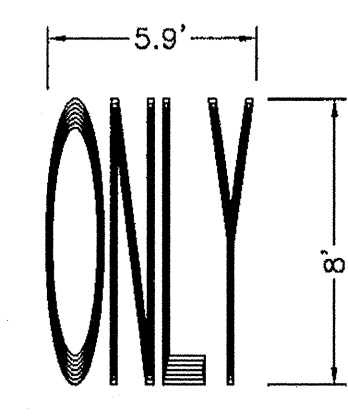
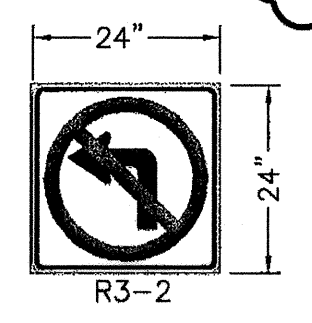
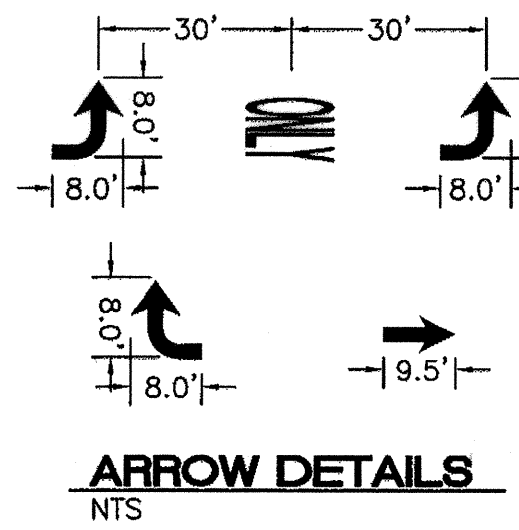
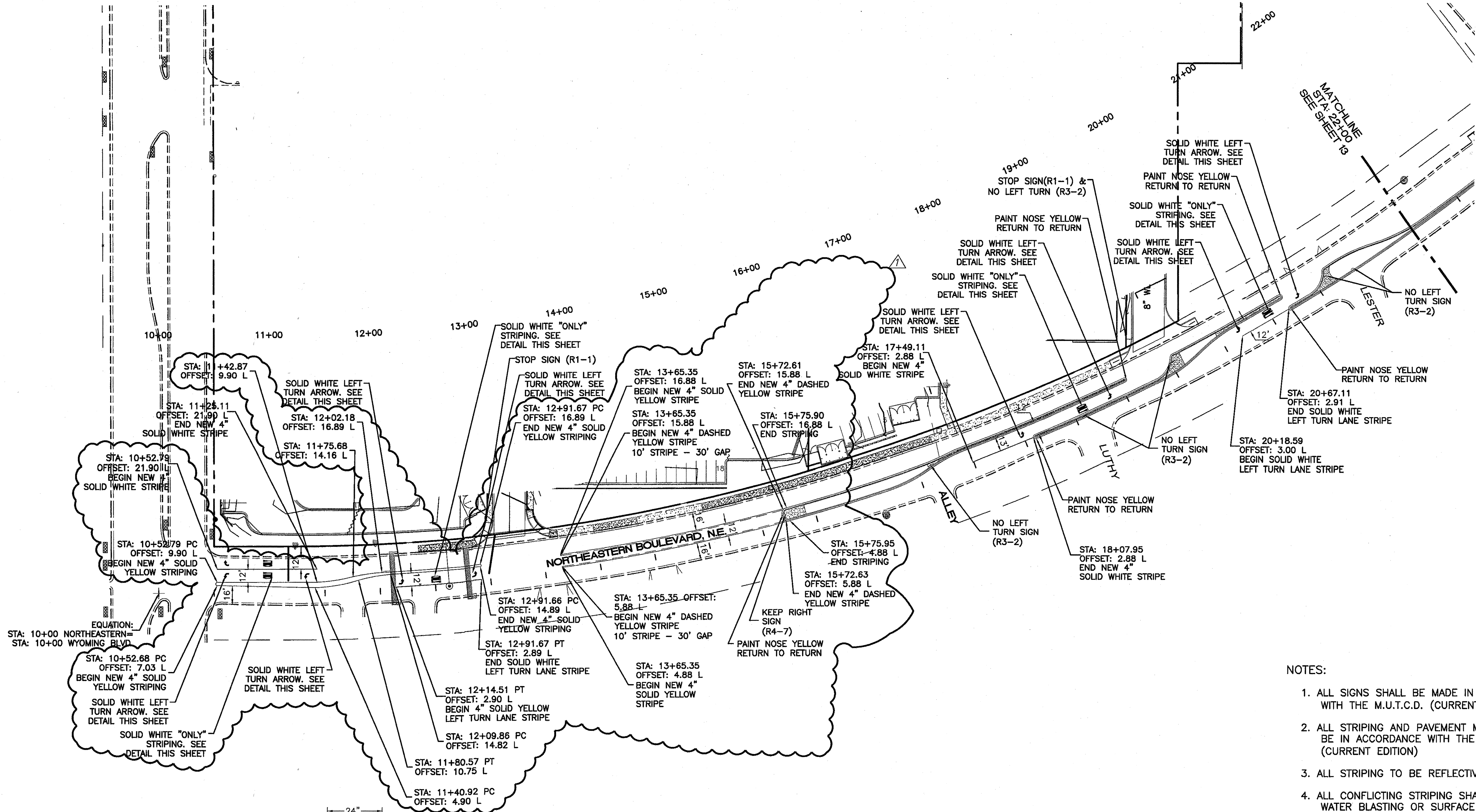


1. ALL SIGNS SHALL BE MADE IN ACCORDANCE WITH THE M.U.T.C.D. (CURRENT EDITION)
2. ALL STRIPING AND PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH THE M.U.T.C.D. (CURRENT EDITION)
3. ALL STRIPING TO BE REFLECTIVE THERMOPLASTIC TAPE
4. ALL CONFLICTING STRIPING SHALL BE ERADICATED BY WATER BLASTING OR SURFACE PLANING OF THE ROADWAY TO A MAXIMUM DEPTH OF 0.25 INCHES AND A WIDTH TO EQUAL 2 TIMES THE WIDTH OF THE STRIPE OR MARKING TO BE REMOVED.

FOR REFERENCE ONLY

		TIERRA WEST, LLC 5071 MIDWAY PARK PLACE NE ALBUQUERQUE, NM 87109 (505) 858-3100		4/16/10 DATE		DESIGNED BY:		DRAWN BY: E		DRAWING NO.	
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP											
TITLE: ALBUQUERQUE ES WAL-MART 5491 STRIPING IMPROVEMENTS NORTHEASTERN BLVD. STA: 10+00 TO STA: 22+14.25											
DESIGN REVIEW COMMITTEE 		CITY ENGINEER APPROVAL 		LAST DESIGN UPDATE		MO./DAY/YR.		MO./DAY/YR.		MO./DAY/YR.	
CITY PROJECT NO. 7726.81		ZONE MAP NO. H-20-Z		SHEET 11		OF 19					

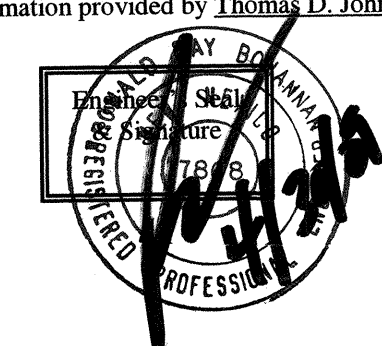
SCANNED BY
PLANNING



- NOTES:
1. ALL SIGNS SHALL BE MADE IN ACCORDANCE WITH THE M.U.T.C.D. (CURRENT EDITION)
 2. ALL STRIPING AND PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH THE M.U.T.C.D. (CURRENT EDITION)
 3. ALL STRIPING TO BE REFLECTIVE THERMOPLASTIC TAPE
 4. ALL CONFLICTING STRIPING SHALL BE ERADICATED BY WATER BLASTING OR SURFACE PLANING OF THE ROADWAY TO A MAXIMUM DEPTH OF 0.25 INCHES AND A WIDTH TO EQUAL 2 TIMES THE WIDTH OF THE STRIPE OR MARKING TO BE REMOVED.

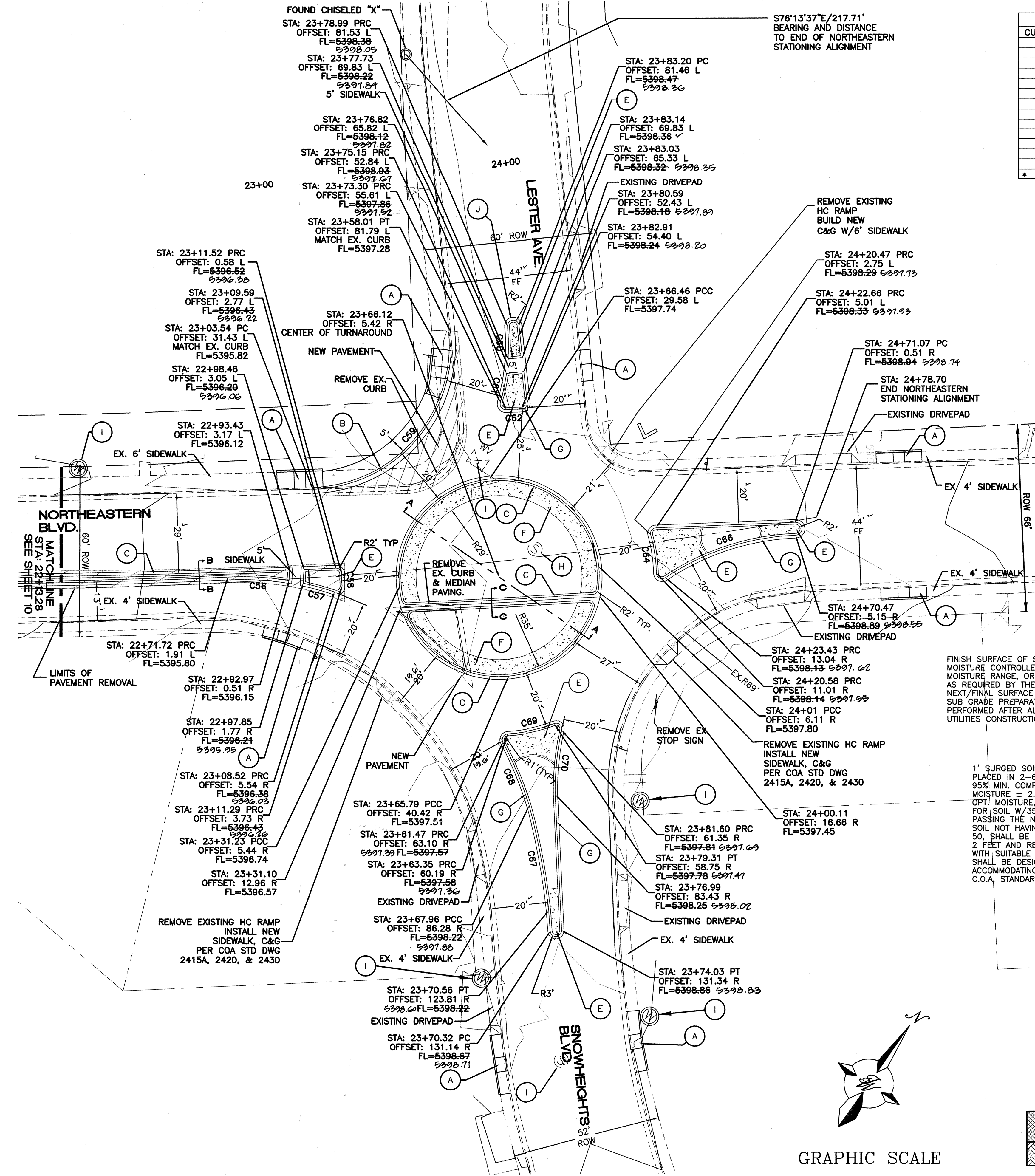
CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

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 Ronald R. Bohannon, of the firm of **Tierra West LLC**, a Registered Professional Engineer in the State of New Mexico, 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 **Thomas D. Johnston**, of **Wayjohn Surveying Inc.**, NMPs number **14269**.



TIERRA WEST, LLC 5571 MIDWAY PARK PLACE NE ALBUQUERQUE, NM 87109 (505) 858-3100	
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP	
TITLE: ALBUQUERQUE EC WAL-MART 5491 STRIPING IMPROVEMENTS NORTHEASTERN BLVD. STA: 10+00 TO STA: 22+14.25	
DESIGN REVIEW COMMITTEE APPROVED APR 15 2009 DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL APPROVED APR 15 2009 CITY ENGINEER
CITY PROJECT NO. 7726.81	ZONE MAP NO. H-20-Z
SHEET 11R OF 19	

SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
FIELD NO.	DATE	AC.S. MONUMENT	STANDARD A.C.S. BRASS TABLET	CONTRACTOR	Fransilis Earthmoving
BY		NEW MEXICO STATE PLANE COORDINATES	(CENTRAL ZONE-NAD. 1927)	WORK STARTED BY	May 2009
		X=410,196.57	Y=1,493,778.31	INSPECTOR'S FIELD	DATE 2009
		EL=5381.135	GROUND TO GRID FACTOR=0.9987854	VERIFICATION BY	DATE 2009
		DELTA ALPHA ANGLE=-014.44"		CORRECTED BY	DATE 2009
				RECORDED BY	DATE
				NO.	



CURVE TABLE						
CURVE	LENGTH	RADIUS	DELTA	TANGENT	CH. BEARING	CHORD
C56	21.42	100.00	12°18'28"	10.75	S58°08'55"W	21.38
C57	11.34	100.00	6°29'56"	5.68	S70°25'27"W	11.34
C58	4.32	55.00	4°29'52"	2.18	S3°10'42"E	4.32
C59	81.67	50.00	9°35'19"	53.23	N06°22'12"E	72.89
C60	11.28	70.00	9°14'10"	5.65	N35°48'46"W	11.27
C61	10.26	70.00	8°23'43"	5.14	N22°48'17"W	10.25
C62	5.30	57.00	5°19'26"	2.65	S52°55'46"W	5.29
C64	13.80	55.00	14°22'46"	6.94	N43°20'38"W	13.77
C66	48.57	87.00	31°59'03"	24.93	S36°46'12"W	47.94
C67	37.67	251.84	8°34'11"	18.87	N45°23'26"W	37.63
C68	24.19	119.00	11°38'45"	12.14	N57°19'32"W	24.15
C69	16.64	55.00	17°20'18"	8.39	N43°13'08"E	16.58
C70	22.64	93.93	13°48'46"	11.38	S29°14'32"E	22.59
* C78	1353.71	1739.55	44°35'14"	713.21	N67°29'33"E	1319.81

LINE TABLE		
LINE	LENGTH	BEARING
* L1	125.00	N89°47'09"E

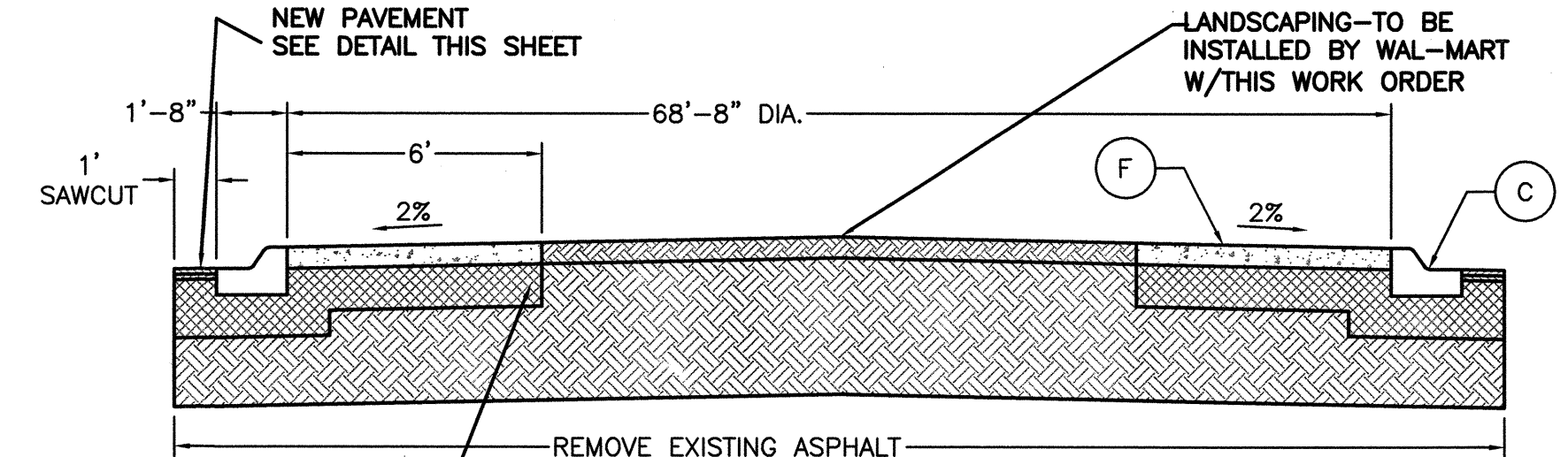
* NORTHEASTERN STATIONING ALIGNMENT - LINE & CURVE DATA
(SEE SHEET 10)

KEYED NOTE:

- (A) NEW PARALLEL CURB HC RAMP, SEE DETAIL SHEET 19
- (B) STANDARD CURB AND GUTTER PER COA STD DWG# 2415A
- (C) MOUNTABLE MEDIAN CURB AND GUTTER PER COA STD DWG# 2415B
- (E) PATTERN CONCRETE MEDIAN. SEE DETAIL SHEET 19
- (F) 6" PATTERN CONCRETE APRON. 6" THICK
- (G) MEDIAN CURB AND GUTTER PER COA STD DWG# 2415A
- (H) EXISTING SAS MANHOLE, ADJUST TO GRADE, MAX 24" THROAT
- (I) ADJUST VALVE BOX AND/OR MH COVER TO FINISHED GRADE

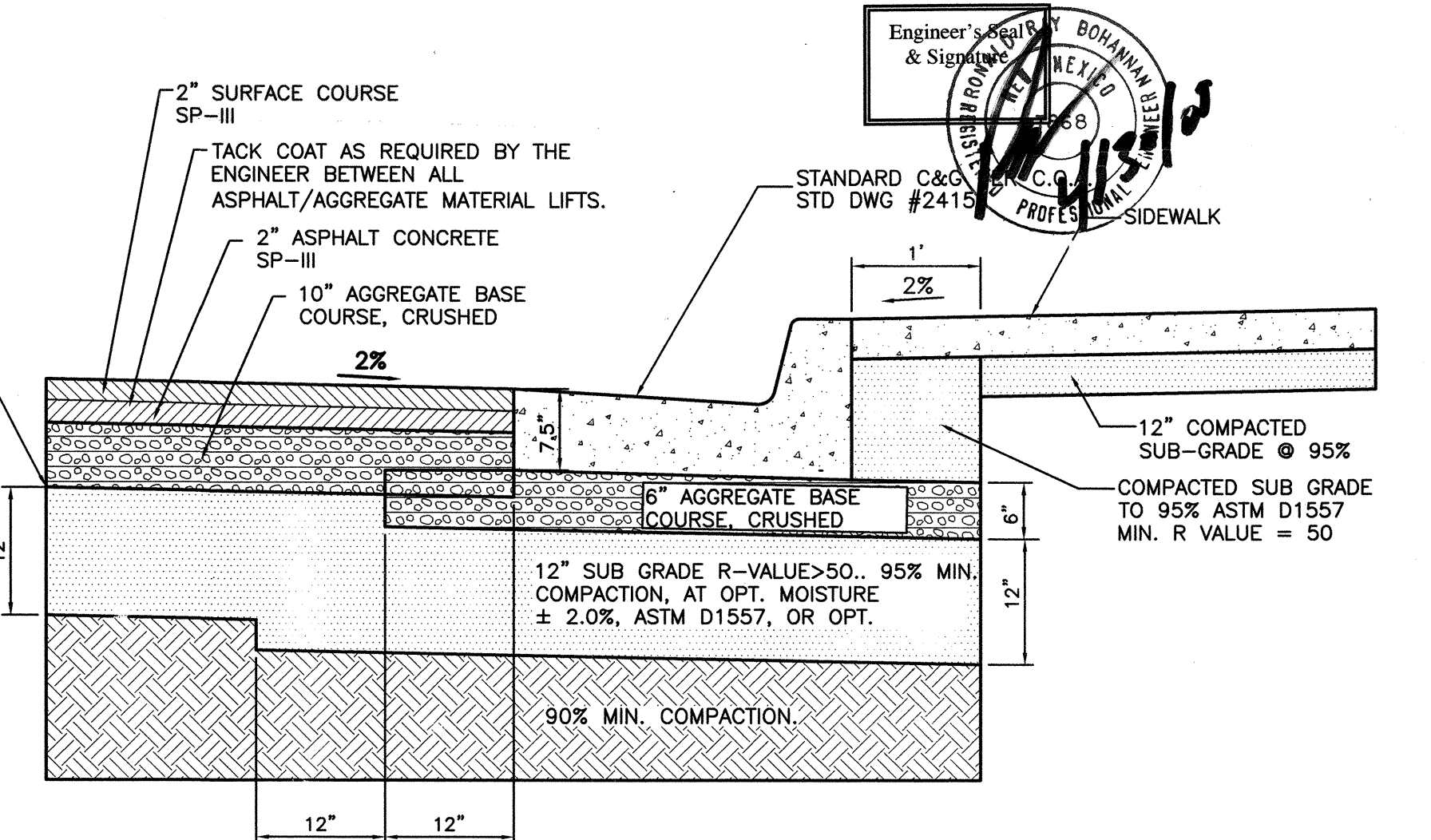
NOTE:

- 1. SAWCUT PAVEMENT 1' FROM EXISTING FACE OF CURB OR GUTTER
- 2. DO NOT BUILD HEADER CURB OUTSIDE OF RIGHT-OF-WAY.
(REF KEY NOTE A)



SECTION A-A
NTS
CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

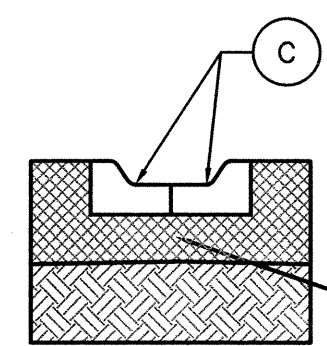
I, Ronald R. Bohannon, of the firm of Tierra West LLC, a Registered Professional Engineer in the State of New Mexico, do hereby certify, to the best of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct 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 Thomas D. Johnston, of Wayjohn Surveying Inc., NMPIS number 14269.



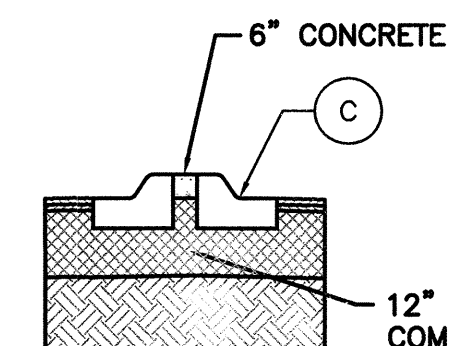
NORTHEASTERN BLVD
TYPICAL PAVING SECTION
Per: Terracon Consultants, Inc

CONSTRUCTION NOTES:

- 1. REMOVE AND REPLACE EXISTING C&G, SIDEWALK AND PAVEMENT PER COA STD DWGS 2415A, 2420, 2430.
- 2. ADJUST ALL VALVE BOXES AND MANHOLES TO FINAL GRADE.

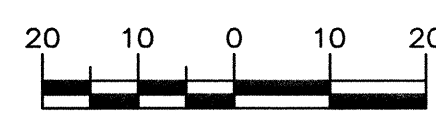


MEDIAN SECTION C-C
NTS



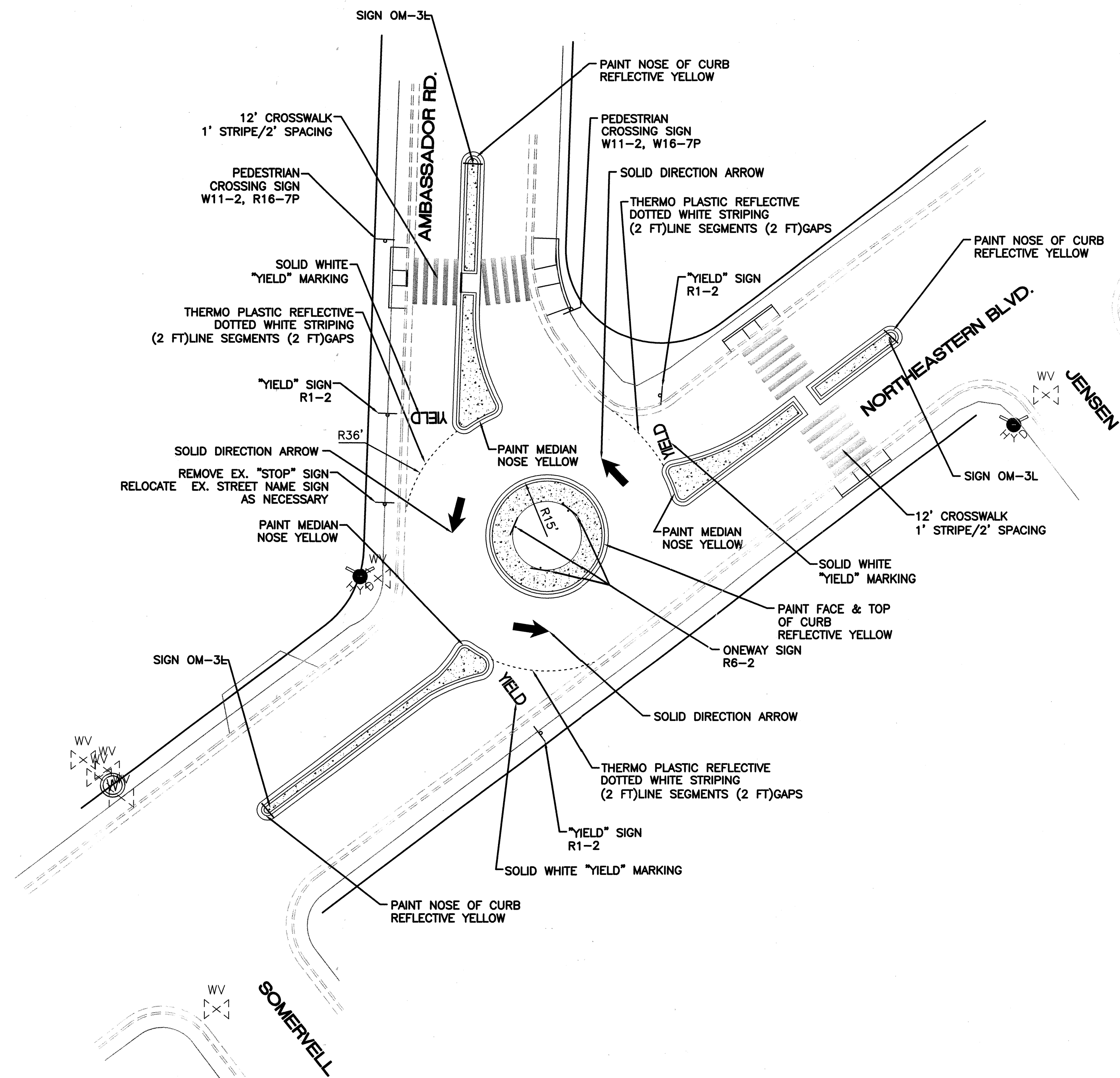
MEDIAN SECTION B-B
NTS

GRAPHIC SCALE

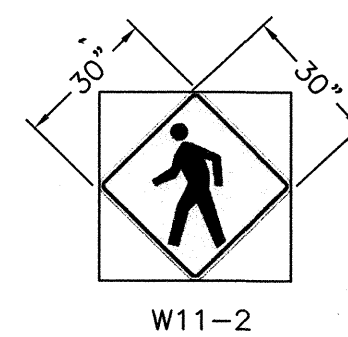


TIERRA WEST, LLC 5571 MIDWAY PARK PLACE NE ALBUQUERQUE, NM 87109 (505) 858-3100		CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP	
TITLE: ALBUQUERQUE EC WAL-MART 5491 PAVING IMPROVEMENTS NORTHEASTERN BLVD. AND LESTER AVE INTERSECTION			
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED JUL 2 1 2008 DESIGN REVIEW COMMITTEE	APPROVED FEB 0 9 2009 CITY ENGINEER		
CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
7726.81	H-20-Z	12	19

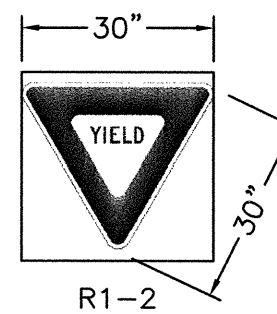
AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	WORK	A.C.S. MONUMENT	DATE	FIELD NOTES	DATE	REMARKS	DESIGN
Franklin's Earthmoving	By: Franklin's Earthmoving	STANDARD A.C.S. BRASS TABLE	DATE	BY	DATE	REVISIONS	DATE
DATE 2008	DATE 2008	NEW MEXICO STATE PLANE COORDINATES	DATE	NO.	DATE	DESIGNED BY: SL	DATE: -
ACCEPTANCE BY: TWILL/CoA	DATE 2007	(CENTRAL ZONE-N.A.D. 1927)	DATE		DATE	DRAWN BY: BF	DATE: -
VERIFICATION BY: TWILL	DATE 2009	X=410,196.57	DATE		DATE	DRAWING NAME: 2292-SH12-NORTHEASTERN-LESTER-PV JOB NO.: 220092	DATE: 05/13/08
DRAWINGS BY: T.D.J.	DATE 2009	Y=1,493,775.31	DATE		DATE	CHECKED BY: SL	
CORRECTIONS BY: T.D.J.	DATE 2009	EL=5381.135	DATE		DATE		
RECORDING BY: T.D.J.	DATE 2009	GROUND TO GRID FACTOR=0.99967854	DATE		DATE		
MICRO-FILM INFORMATION	DATE	DELTA ALPHA ANGLE=0°14'44"	DATE		DATE		



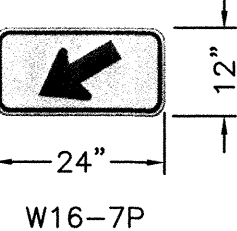
SIGN KEY:



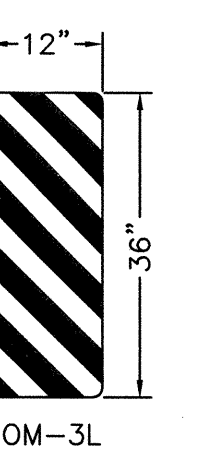
W11-2



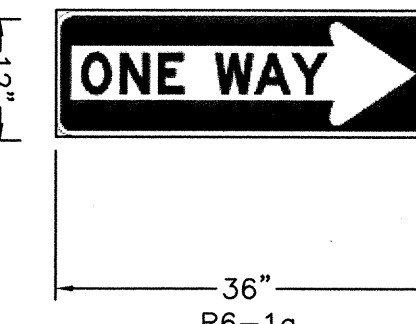
R1-2



W16-7P



OM-3L



R6-1a

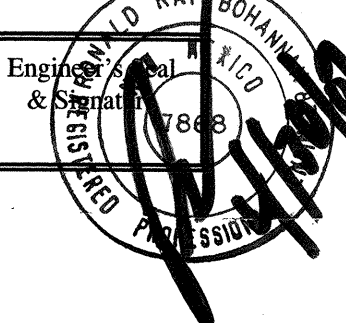
* SIGN FACES SHOWN FOR REFERENCE; CONTRACTOR SHALL VERIFY DIRECTION OF ARROW TO CORRELATE WITH INSTALLATION LOCATION AND TRAFFIC MOVEMENTS.
** CONTRACTOR SHALL COORDINATE WITH TRAFFIC OPERATIONS PRIOR SIGNING AND STRIPING

ARROW DETAILS

NTS

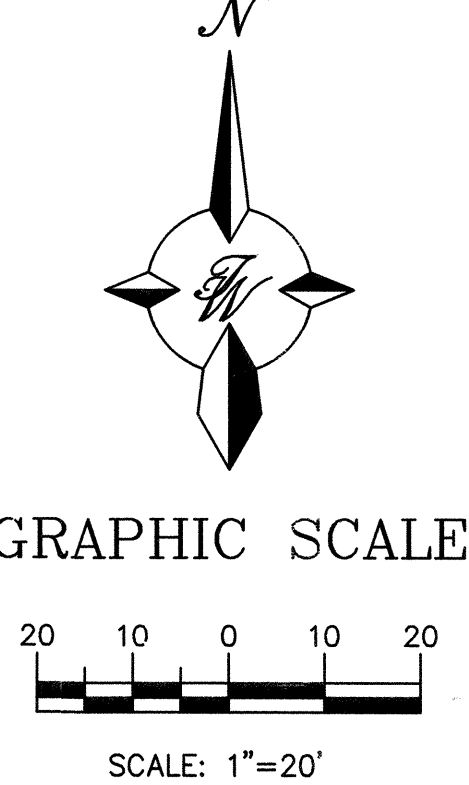
CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

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 Thomas D. Johnston, of Wayjohn Surveying Inc., NMPS number 14269.



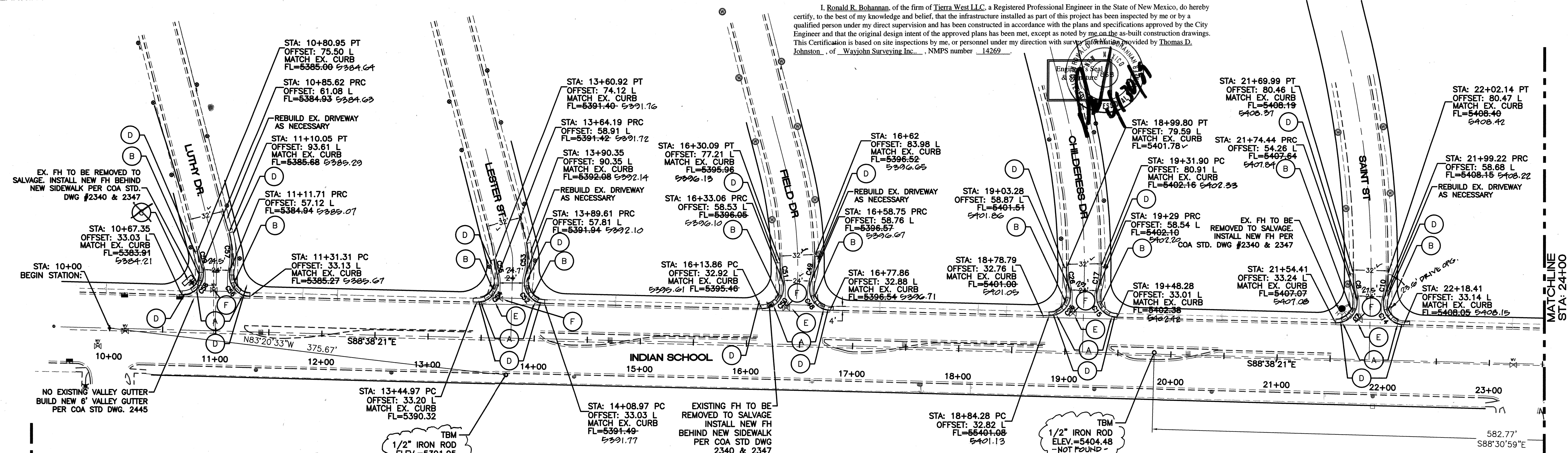
NOTES:

- ALL SIGNS SHALL BE MADE IN ACCORDANCE WITH THE M.U.T.C.D. (CURRENT EDITION)
- ALL STRIPING AND PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH THE M.U.T.C.D. (CURRENT EDITION)
- ALL STRIPING TO BE REFLECTIVE PREFORMED THERMOPLASTIC TAPE
- ALL CONFLICTING STRIPING SHALL BE ERADICATED BY WATER BLASTING OR SURFACE PLANING OF THE ROADWAY TO A MAXIMUM DEPTH OF 0.25 INCHES AND A WIDTH TO EQUAL 2 TIMES THE WIDTH OF THE STRIPE OR MARKING TO BE REMOVED.
- All paint to be reflective glass beads. *SL 3/20/08*



TIERRA WEST, LLC 5571 MIDWAY PARK PLACE NE ALBUQUERQUE, NM 87109 (505) 858-3100	
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP	
TITLE: ALBUQUERQUE EC WAL-MART 5491 STRIPING IMPROVEMENTS AMBASSADOR RD. / NORTHEASTERN BLVD. INTERSECTION	
DESIGNED BY: SL	DATE: --
DRAWN BY: BF	DATE: --
CHECKED BY: SL	DATE: 05/13/08
NO.	DATE
REMARKS	BY
REVISIONS	
DESIGN	
LAST DESIGN UPDATE	
CITY PROJECT NO. 7726.81	ZONE MAP NO. H-20-Z
SHEET 15	OF 19

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 data provided by Thomas D. Johnston, of Wayjohn Surveying Inc., NMPS number 14269.



- KEYED NOTE:
- (A) STANDARD CURB AND GUTTER PER COA STD DWG# 2415A
 - (B) REMOVE EX. HC RAMP. BUILD NEW HC RAMP TO MATCH EXISTING SIDEWALK PER COA STD. DWG# 2441, SEE DETAIL SHEET 19
 - (C) NEW 4' SIDEWALK PER COA STD DWG# 2430 BEGINNING AND ENDING STATION COINCIDE WITH C&G PLACEMENT
 - (D) REMOVE EX. VALLEY GUTTER BUILD NEW 6' VALLEY GUTTER PER COA STD DWG #2420
 - (E) ADJUST VALVE BOXES AND MH TO FINAL GRADE

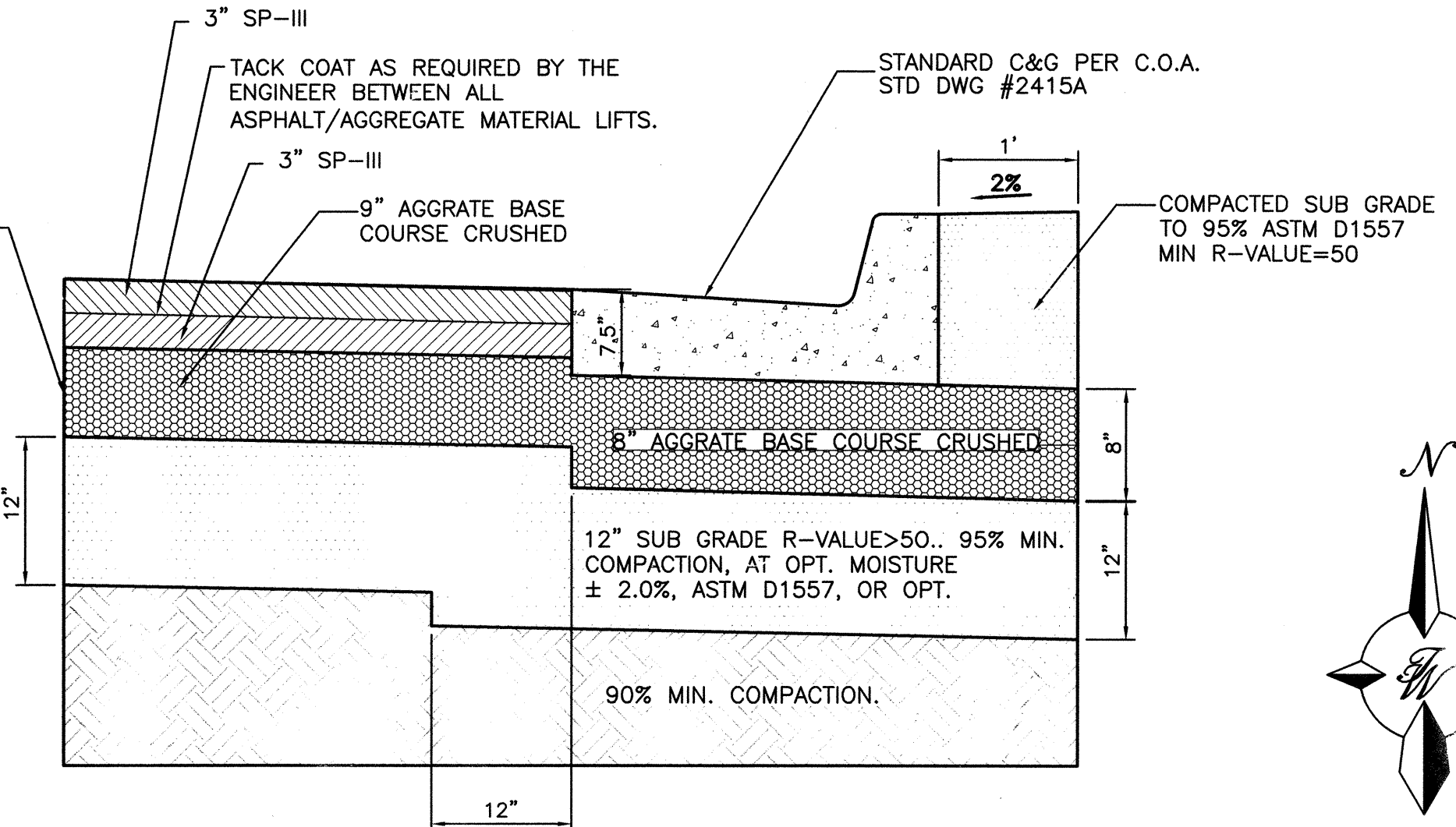
- CONSTRUCTION NOTES:
1. REMOVE AND REPLACE EXISTING C&G, SIDEWALK AND PAVEMENT PER COA STD DWGS 2415A, 2420, 2430.
 2. ADJUST ALL VALVE BOXES AND MANHOLES TO FINAL GRADE.

CURVE TABLE				
CURVE	LENGTH	RADIUS	Chord	Chord Bearing
C7	37.60	20.00	32.30	N37°34'55"E
C8	21.53	75.00	21.45	S08°03'26"E
C10	22.06	75.00	21.98	N08°59'44"E
C14	36.99	20.00	31.94	S35°33'59"E
C15	37.08	20.00	31.99	S35°41'56"E
C17	22.64	75.00	22.55	N08°45'57"E
C25	37.50	20.00	32.24	N37°28'44"E
C26	21.08	75.00	21.01	S08°10'46"E
C48	37.37	20.00	32.17	S35°04'19"E
C49	25.54	75.00	25.42	N08°42'15"E
C50	37.12	20.00	32.01	N38°13'51"E
C51	18.97	75.00	18.92	S07°41'19"E
C52	36.19	20.00	31.45	S36°38'32"E
C53	32.81	75.00	32.55	N02°39'58"E
C54	37.26	20.00	32.10	N38°08'40"E
C55	15.57	100.00	15.55	S10°46'00"E
C56	35.43	20.00	30.98	S37°54'07"E
C57	36.90	75.00	36.53	N01°14'36"W
C58	39.66	20.00	33.47	N34°25'44"E
C59	15.18	75.00	15.15	S16°34'50"E
C60	37.74	20.00	32.39	N37°18'17"E
C61	22.16	75.00	22.07	S08°17'48"E
C62	22.05	75.00	21.97	N08°59'23"E
C63	37.03	20.00	31.96	S35°37'26"E

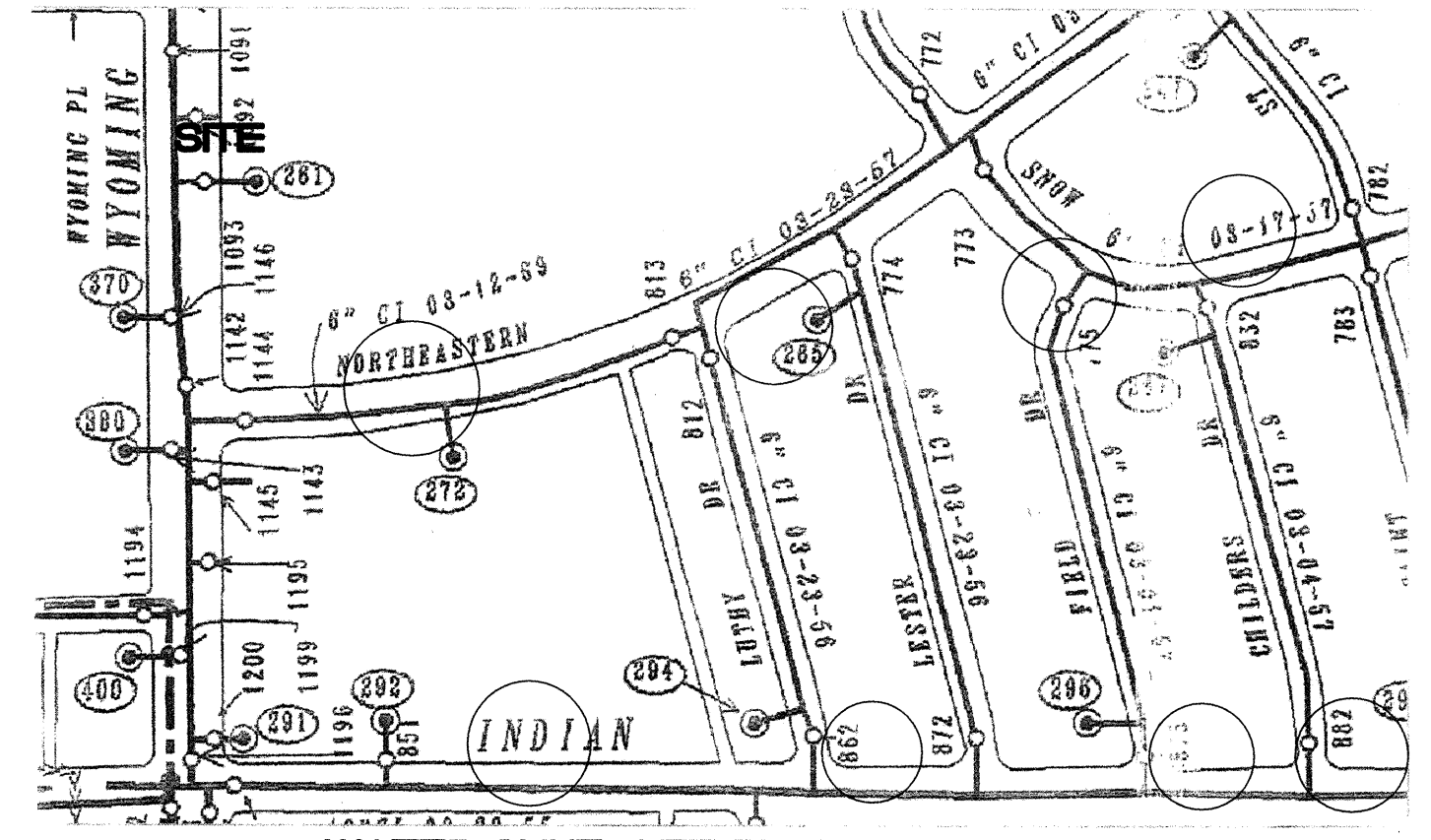
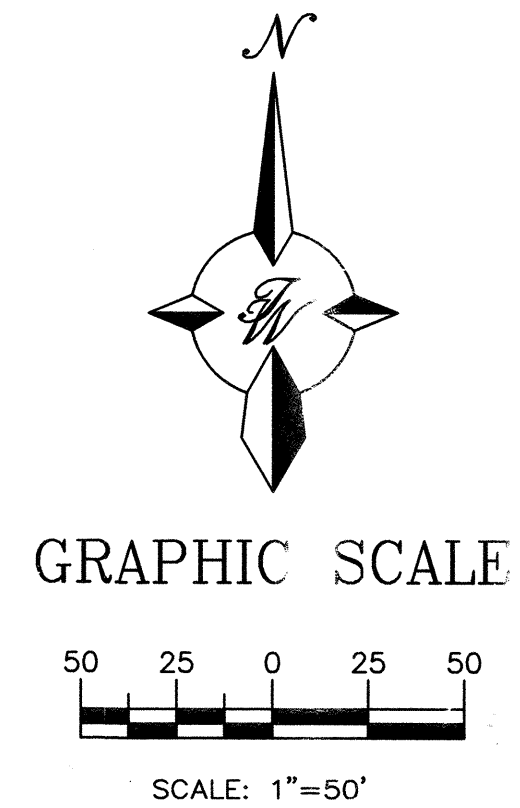
ALL FLOWLINE ELEVATIONS IN THIS INTERSECTION ARE 0.0' LOW AS PRINTED HEREON.

FINISH SURFACE OF SUB GRADE SHALL BE MOISTURE CONTROLLED AT COMPACTION MOISTURE RANGE, OR PRIME COAT APPLIED AS REQUIRED BY THE ENGINEER UNTIL NEXT/FINAL SURFACE IS COMPLETED. SUB GRADE PREPARATION SHALL BE PERFORMED AFTER ALL SUBSURFACE R/W UTILITIES CONSTRUCTION IS COMPLETED.

1' SURGED SOIL. R-VALUE>50. PLACED IN 2-6" COMPACTED LIFTS. 95% MIN. COMPACTION, AT OPT. MOISTURE ± 2.0%, ASTM D1557, OR OPT. MOISTURE, TO +4%, ASTM D698 FOR SOIL W/35% OR MORE MATERIAL PASSING THE NO. 200 SIEVE. SOIL NOT HAVING THE MIN. R-VALUE OF 50, SHALL BE REMOVED TO A DEPTH OF 2 FEET AND REPLACED BY THE CONTRACTOR WITH SUITABLE MATERIAL OR A PAVEMENT SHALL BE DESIGNED BY TIERRA WEST, LLC ACCOMMODATING THE EXISTING R-VALUE PER C.O.A. STANDARD SPECIFICATIONS.



TYPICAL PAVING SECTION INDIAN SCHOOL
NTS PER TERRACON CONSULTANTS, INC.



- 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 ABOVE PLAN.

TIERRA WEST, LLC 5571 MIDWAY PARK PLACE NE ALBUQUERQUE, NM 87109 (505) 858-3100	
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP	
TITLE: ALBUQUERQUE EC WAL-MART 5491 PAVING IMPROVEMENTS INDIAN SCHOOL RD. STA: 10+00 TO STA: 24+92.10	
DESIGN REVIEW COMMITTEE APPROVED JUL 9 2008	CITY ENGINEER APPROVAL APPROVED FEB 9 2009 CITY ENGINEER
CITY PROJECT NO. 7726.81	ZONE MAP NO. H-20-Z
SHEET 16 OF 19	

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE	AC.S. MONUMENT	DATE	FIELD NOTES	NO.	REMARKS	DESIGN
Franklin Earthmoving	2008	STANDARD A.C.S. BRASS TABLET	14-H19	BY			
INSPECTOR	DATE	NEW MEXICO STATE PLANE COORDINATES					
ACCEPTANCE BY TMLL/CoA	2009	(CENTRAL ZONE-N.A.D. 1927)					
VERIFICATION BY Wayjohn	2009	X=410,196.67					
DRAWINGS	DATE	Y=1,493,778.31					
CORRECTED BY T.D.J.	2009	EL=5381.135					
MICRO-FILM INFORMATION	RECORDED BY	GROUND TO GRID FACTOR=0.99967854					
	DATE	DELTA ALPHA ANGLE=-0°14'44"					

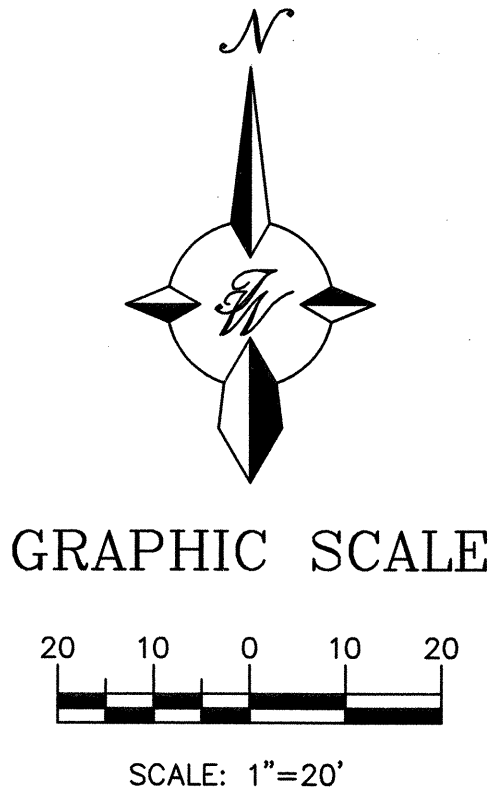
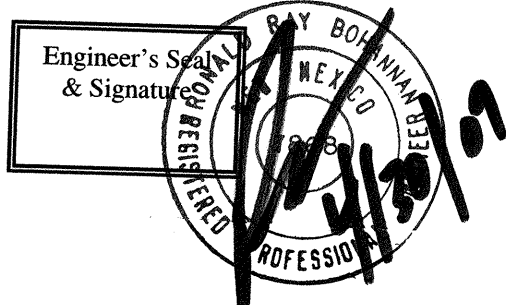
CURVE TABLE						
CURVE	LENGTH	RADIUS	DELTA	TANGENT	CH. BEARING	CHORD
C16	35.67	80.77	25°18'21"	18.13	N17°39'26"E	35.38
C18	37.03	25.00	84°51'58"	22.85	S47°26'15"W	33.74

KEYED NOTE:
(A) STD CURB AND GUTTER PER COA STD DWG# 2415A

CONSTRUCTION NOTES:
1. SAWCUT PAVEMENT 1' FROM EXISTING FACE OF CURB OR GUTTER
2. ADJUST VALVE BOXES AND MANHOLES TO FINAL GRADE.

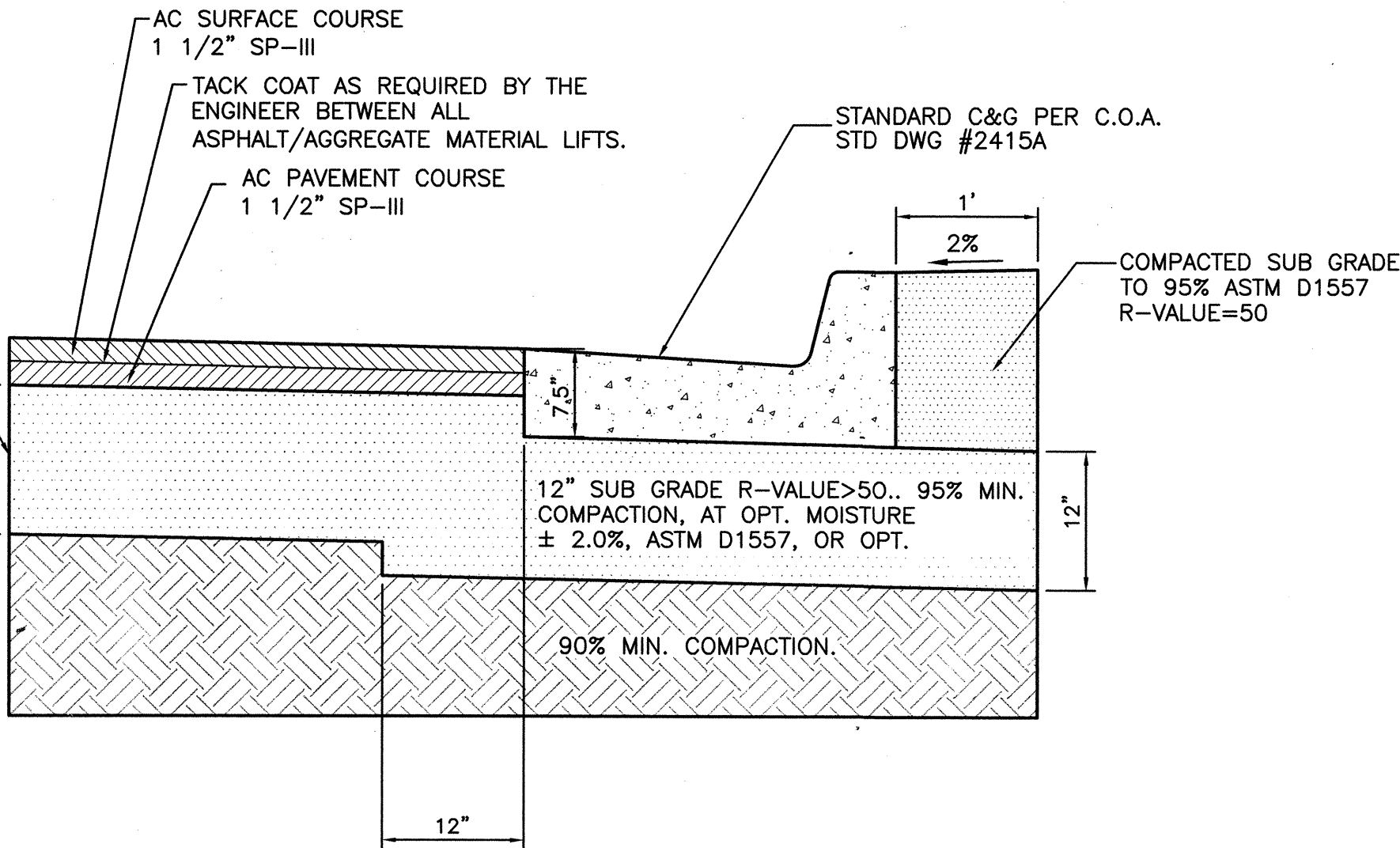
CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

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 Thomas D. Johnston, of Wayjohn Surveying Inc., NMPS number 14269.



FINISH SURFACE OF SUB GRADE SHALL BE MOISTURE CONTROLLED AT COMPACTION MOISTURE RANGE, OR PRIME COAT APPLIED AS REQUIRED BY THE ENGINEER UNTIL NEXT/FINAL SURFACE IS COMPLETED. SUB GRADE PREPARATION SHALL BE PERFORMED AFTER ALL SUBSURFACE R/W UTILITIES CONSTRUCTION IS COMPLETED.

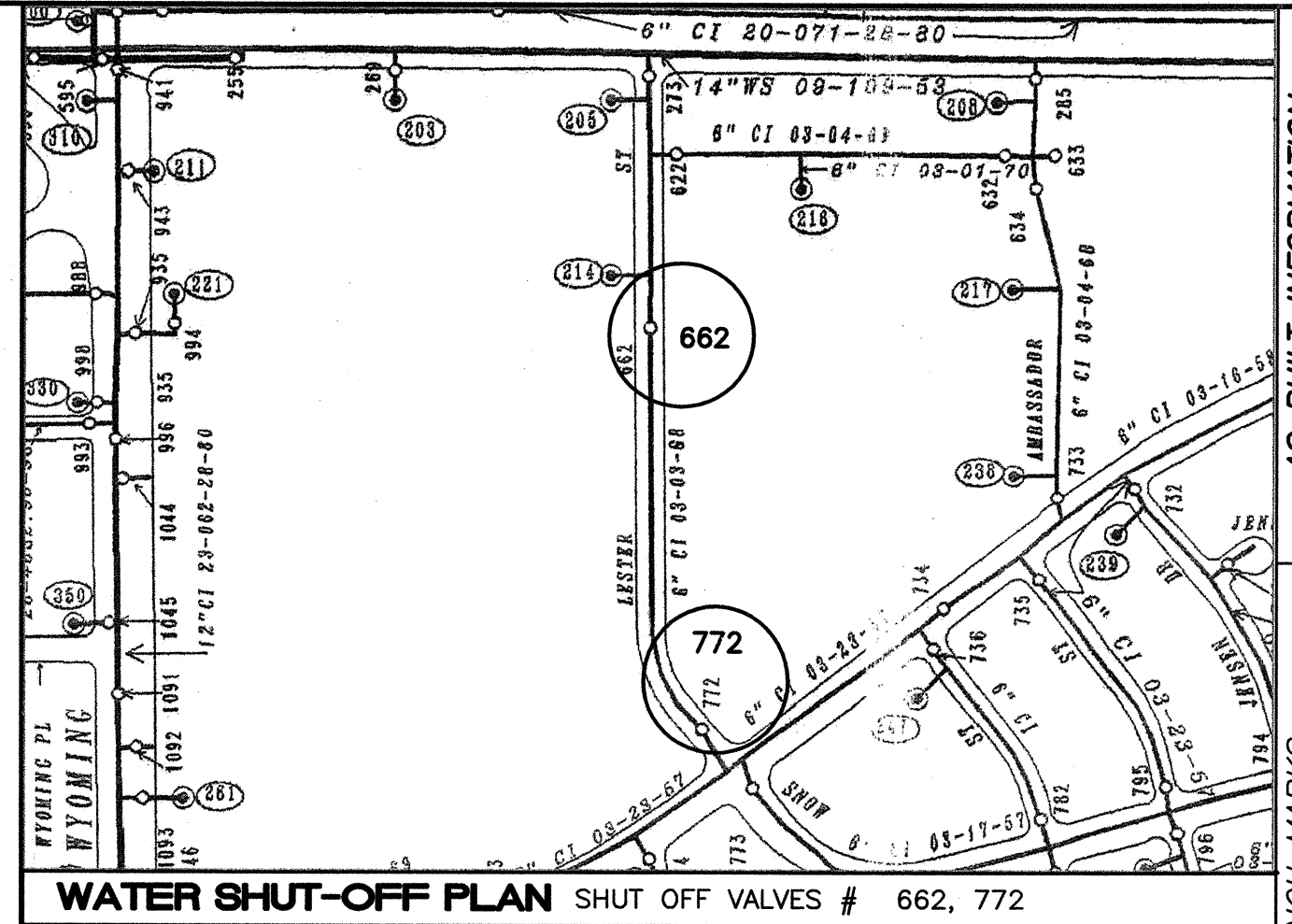
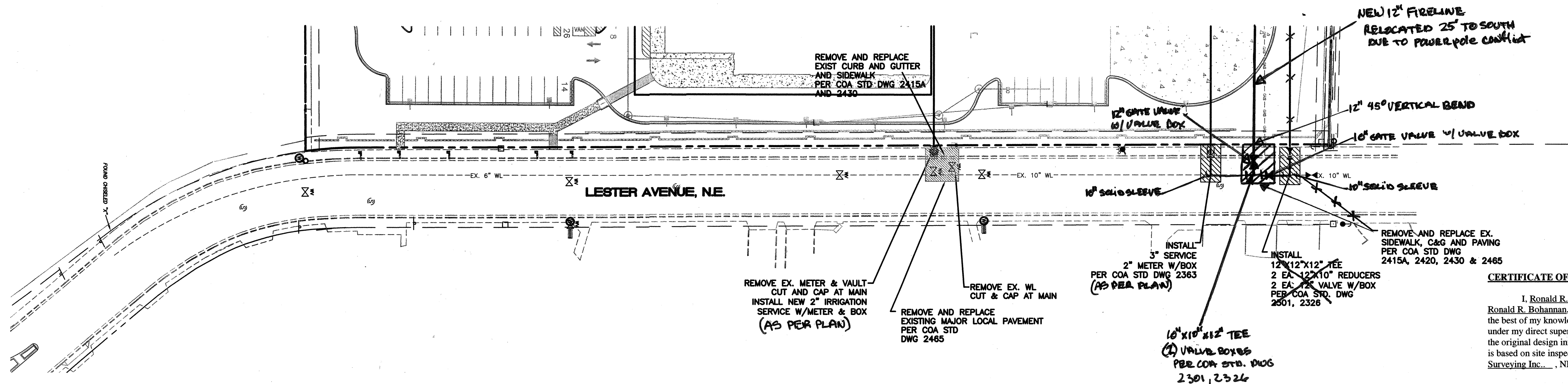
1' SURGED SOIL, R-VALUE>50. PLACED IN 2-6" COMPACTED LIFTS. 95% MIN. COMPACTION, AT OPT. MOISTURE ± 2.0%, ASTM D1557, OR OPT. MOISTURE, TO +4%, ASTM D698 FOR SOIL W/35% OR MORE MATERIAL PASSING THE NO. 200 SIEVE. SOIL NOT HAVING THE MIN. R-VALUE OF 50, SHALL BE REMOVED TO A DEPTH OF 2 FEET AND REPLACED BY THE CONTRACTOR WITH SUITABLE MATERIAL OR A PAVEMENT SHALL BE DESIGNED BY TIERRA WEST, LLC ACCOMMODATING THE EXISTING R-VALUE PER C.O.A. STANDARD SPECIFICATIONS.



TYPICAL PAVING SECTION (LOCAL RESIDENTIAL)
NTS PER COA STD. DWG # 2405A

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL		REVISIONS		DESIGN		CITY PROJECT NO.		ZONE MAP NO.		SHEET		OF	
CONTRACTOR	Francis's Earthmoving	AC.S. MONUMENT	"14-H19"	DATE	NO.	ENGINEER'S SEAL	1868	NO.	DATE	DESIGNED BY	SL	CITY PROJECT NO.	7726.81	ZONE MAP NO.	H-20-Z	SHEET	17	OF	19
WORK ORDER NO.	WAL-5491	STANDARD A.C.S. BRASS TABLET		BY		REMARKS		DATE		DRAWN BY	BF								
ACCEPTANCE BY	THILLIC/COA	NEW MEXICO STATE PLANE COORDINATES								CHECKED BY	SL								
DATE	2007	(CENTRAL ZONE-N.A.D. 1927)																	
DATE	2007	X=410,196.57																	
DATE	2007	Y=1,493,778.31																	
DATE	2007	EL=5381.135																	
DATE	2007	GROUND TO GRID FACTOR=0.99967854																	
DATE	2007	DELTA ALPHA ANGLE=-0°14'44"																	

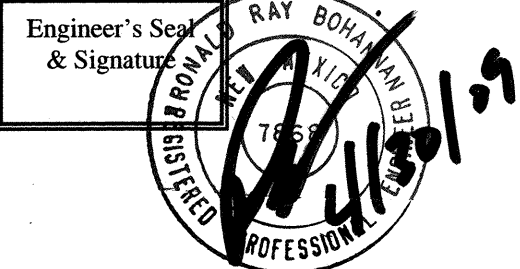
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP	
TITLE: ALBUQUERQUE EC WAL-MART 5491 PAVING IMPROVEMENTS PROSPECT AVE. / HOFFMAN ST. INTERSECTION	
DESIGN REVIEW COMMITTEE APPROVED JUL 15 2007 DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL APPROVED FEB 02 2009 CITY ENGINEER
LAST DESIGN UPDATE	MO./DAY/YR.
CITY PROJECT NO.	ZONE MAP NO.
7726.81	H-20-Z
SHEET	OF
17	19



- 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 ABOVE PLAN

CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

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CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

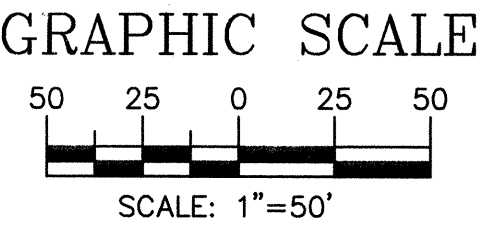
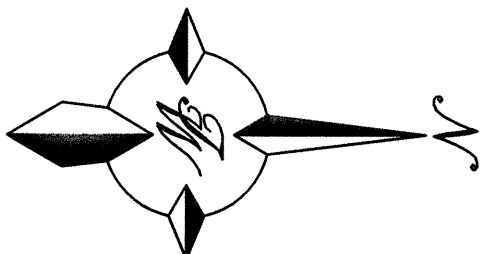
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Engineer's
Seal
& Signature

LEGEND

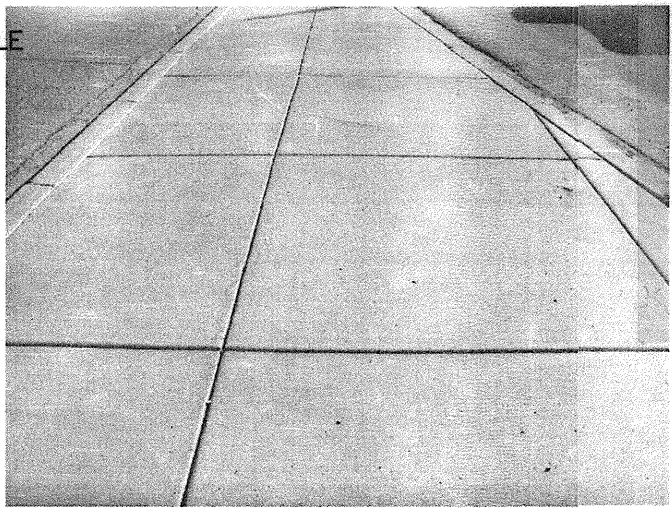
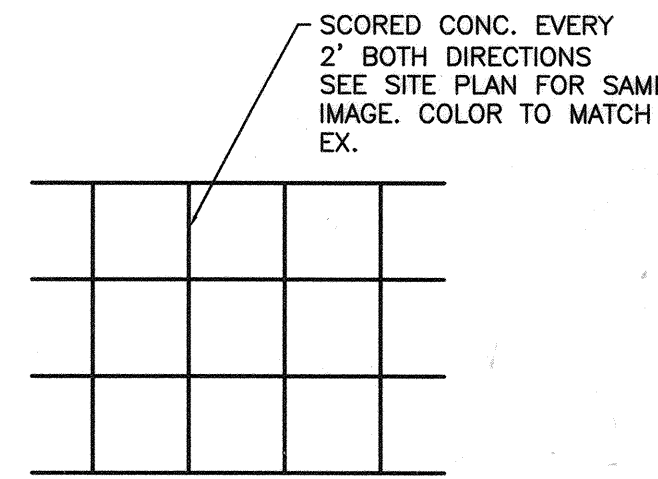
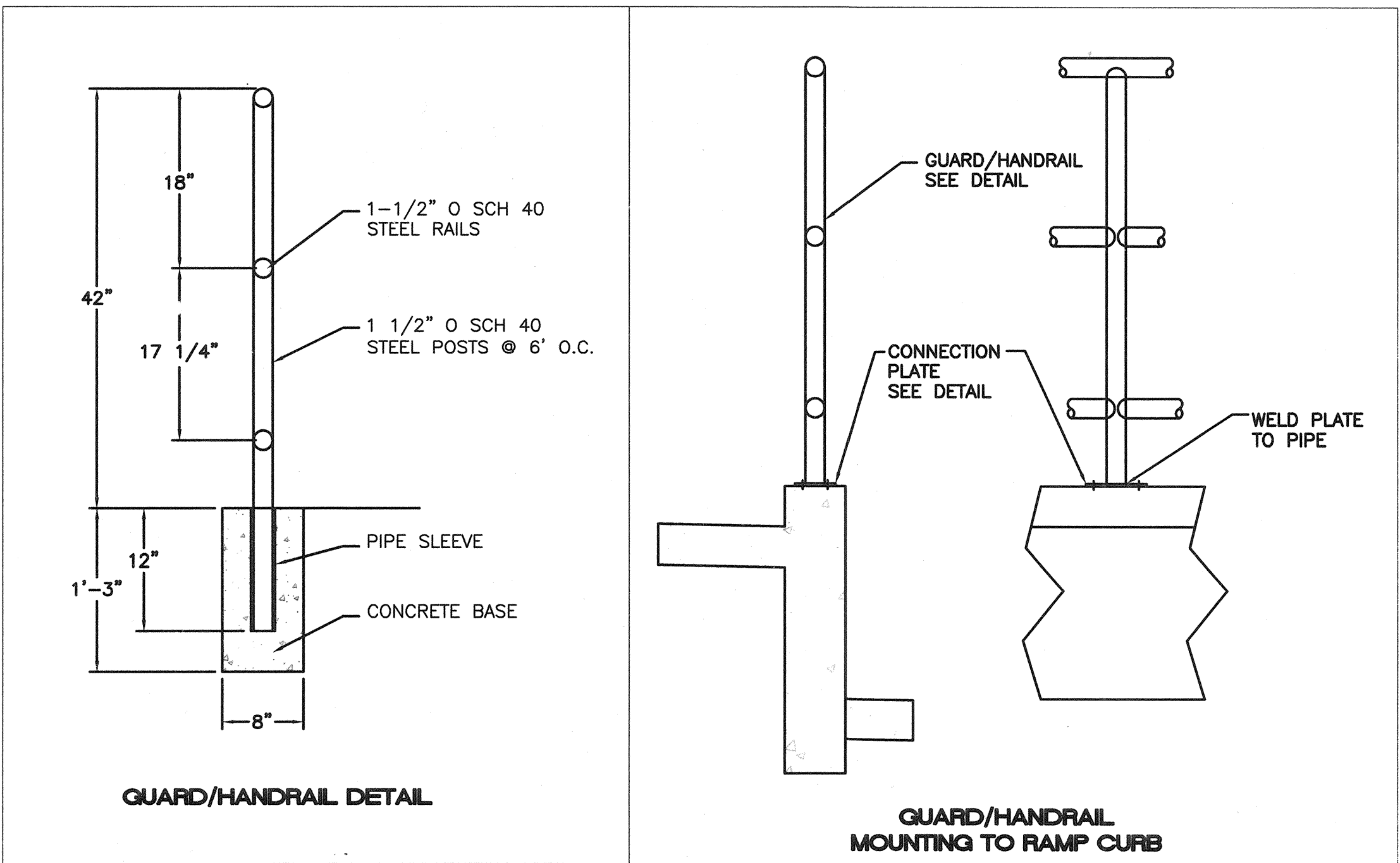
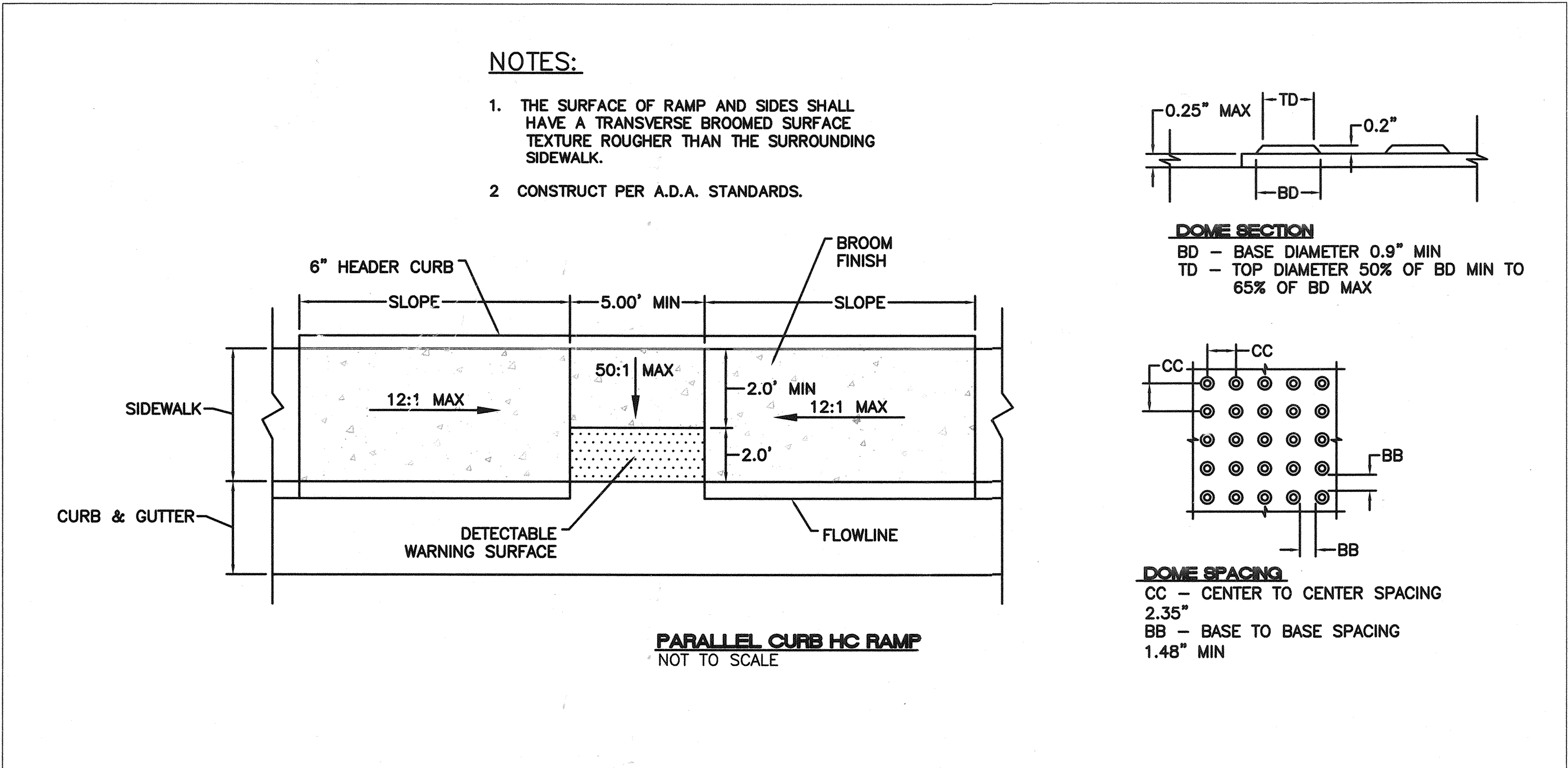
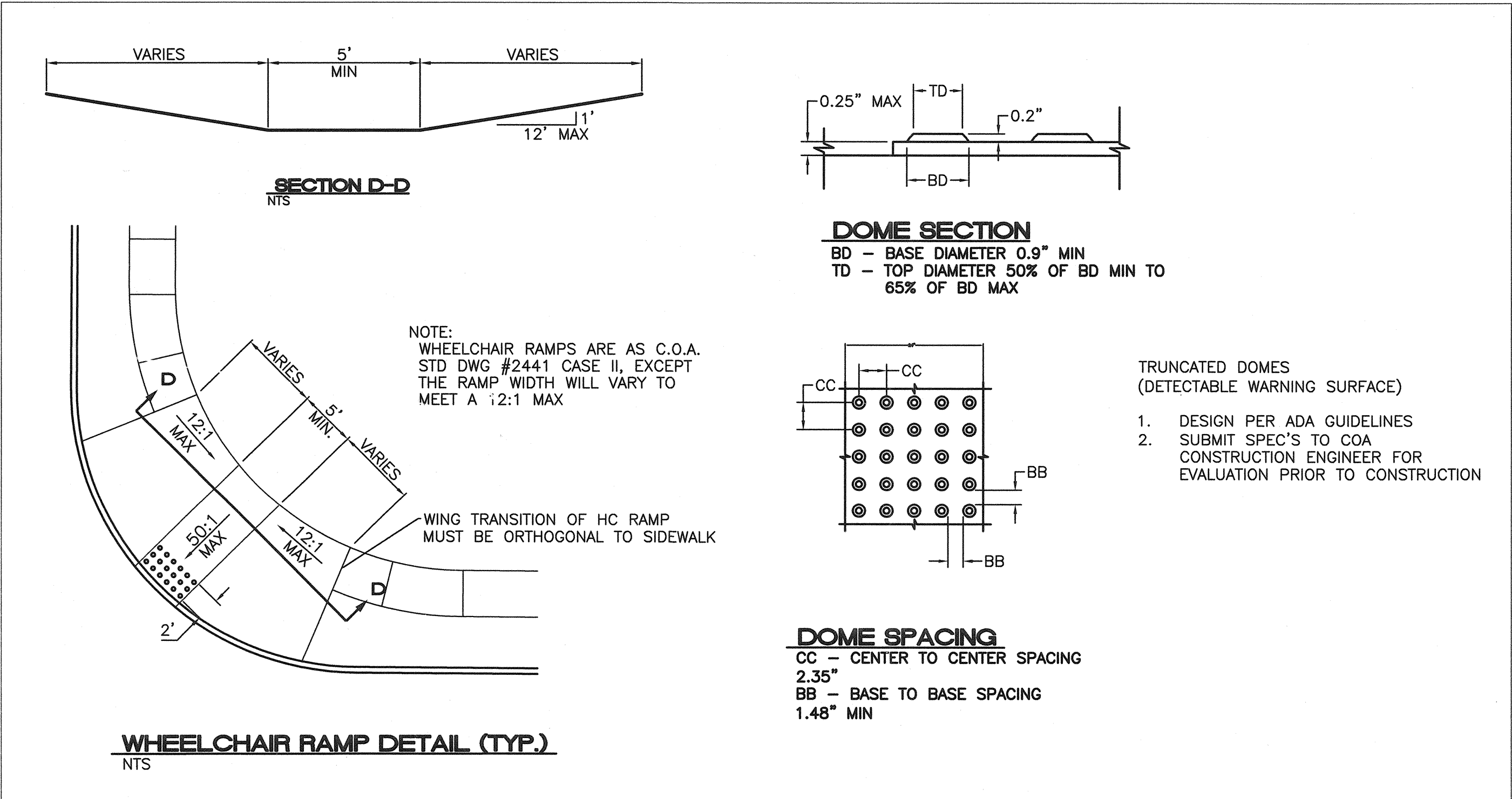
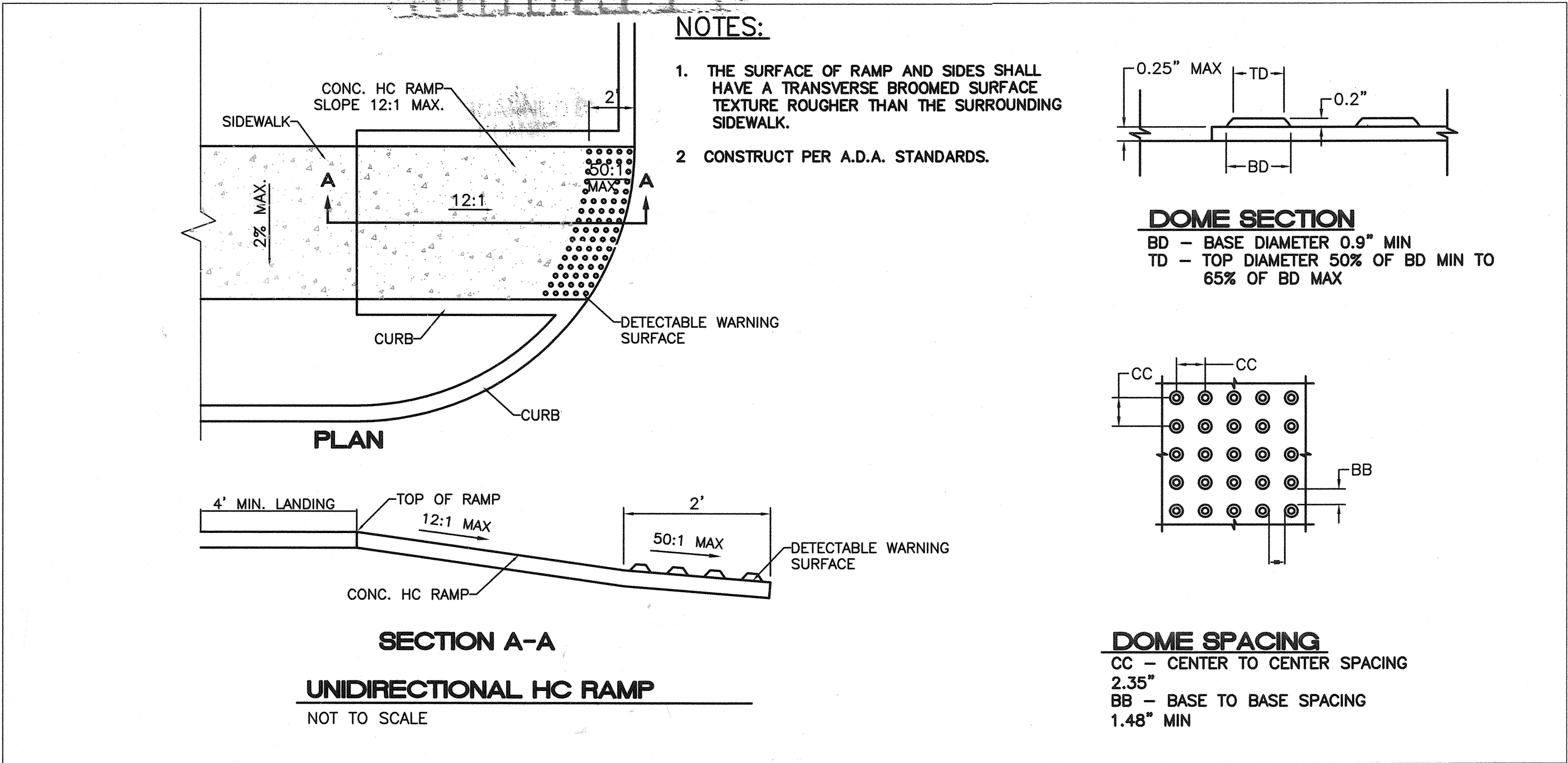
- | | |
|-----|--------------------------------|
| ⊙ | EXISTING SD MANHOLE |
| ⊙ | EXISTING INLET |
| ⊙ | EXISTING SAS MANHOLE |
| ⊙ | EXISTING METER |
| ⊙ | EXISTING VALVE W/BOX |
| ⊙ | EXISTING FIRE HYDRANT |
| ⊙ | EXISTING PEDESTAL |
| ⊙ | EXISTING POWER POLE WITH FEED |
| ⊙ | EXISTING POWER POLE |
| ⊙ | EXISTING BOLLARD |
| ⊙ | PROPOSED CLEAN OUT |
| ⊙ | PROPOSED DOUBLE CLEAN OUT |
| --- | EXISTING OVERHEAD UTILITIES |
| --- | EXISTING UNDERGROUND UTILITIES |
| --- | EXISTING GAS |
| --- | EXISTING SANITARY SEWER LINE |
| --- | EXISTING WATER LINE |
| --- | EXISTING STORM SEWER LINE |
| --- | EXISTING CURB & GUTTER |
| --- | PROPOSED STORM SEWER LINE |
| --- | PROPOSED SANITARY SEWER LINE |
| --- | PROPOSED FIRE HYDRANT |
| --- | PROPOSED WATERLINE |
| --- | BOUNDARY LINE |



NOTE:
LIMITS OF CITY WORK ORDER 7726.82 IS WITHIN RIGHT OF WAY.

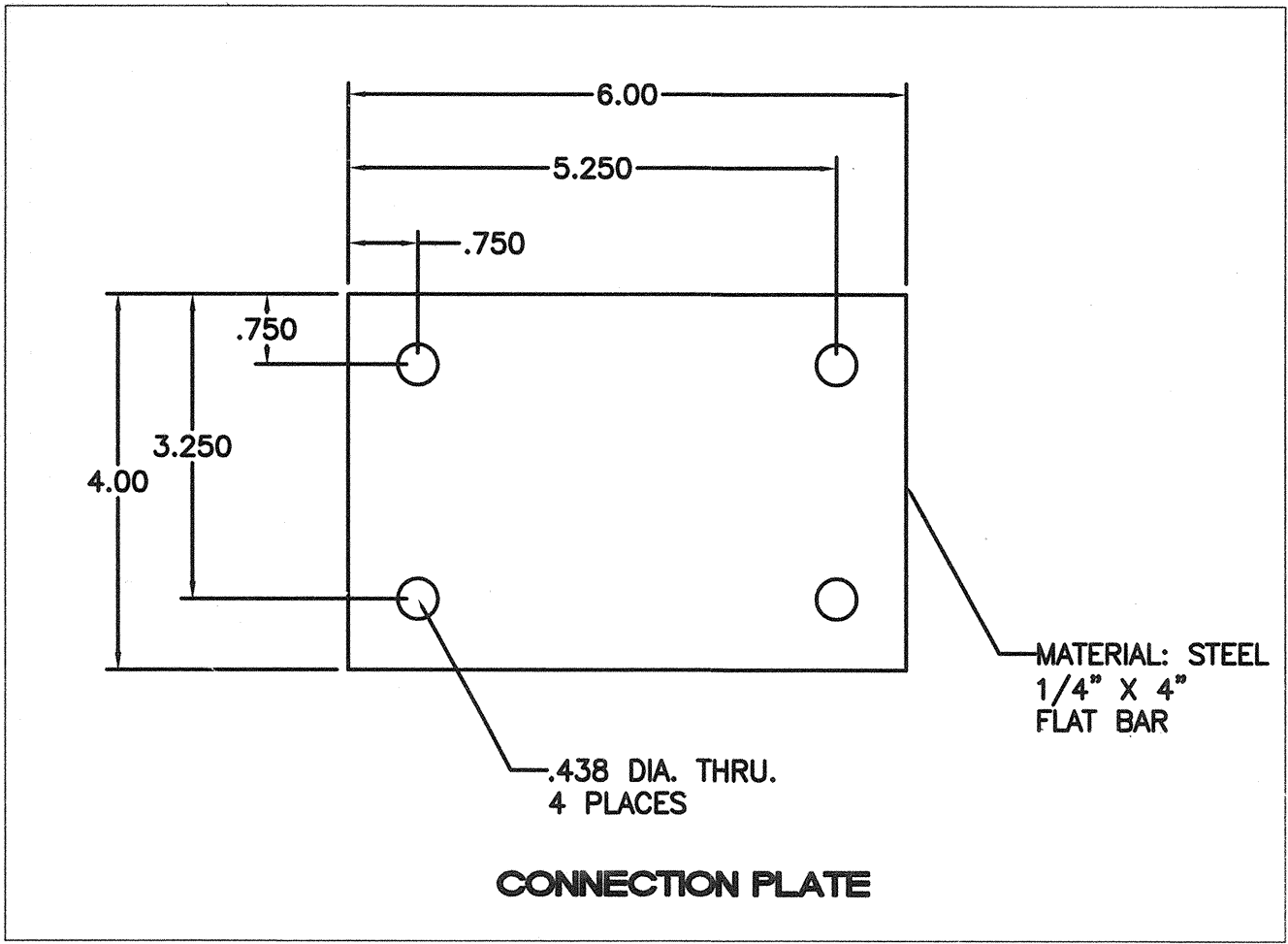
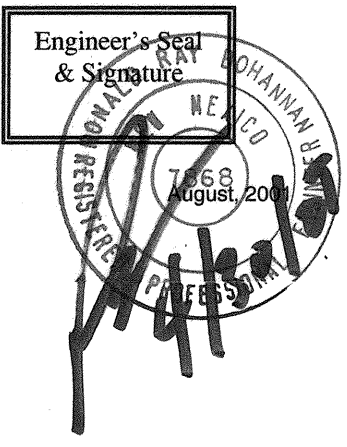
- NOTES:
1. 3 FT. MIN BURY ON MAIN WATER LINES
 2. SEE SHEET 12 FOR JOINT RESTRAINING TABLES
 3. THERE SHALL BE NO DIRECT CONNECTION TO CITY WATER SYSTEM. ALL CONNECTIONS ARE TO BE MADE THROUGH AN APPROVED BACKFLOW PREVENTION DEVICE OF SUFFICIENT SIZE TO MEET THE FLUSHING STANDARDS. A FLUSHING SCHEME SHALL BE PROVIDED BY THE CONTRACTOR TO OUR OFFICE DEMONSTRATING THE REQUIRED VOLUME AND FLOW WILL CLEAN THE LINES

TERRA WEST, LLC 5571 MIDWAY PARK PLACE NE ALBUQUERQUE, NM 87109 (505) 858-3100	
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP	
TITLE: ALBUQUERQUE EC WAL-MART 5491 UTILITY IMPROVEMENTS LESTER AVE.	
DESIGN REVIEW COMMITTEE APPROVED JUL 01 08 DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL APPROVED FEB 02 2009 CITY ENGINEER
CITY PROJECT NO. 7726.81	ZONE MAP NO. H-20-Z
SHEET 18 OF 19	



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 Thomas D. Johnston, of Wayjohn Surveying Inc., NMPS number 14269.



TIERRA WEST, LLC 5571 MIDWAY PARK PLACE NE ALBUQUERQUE, NM 87109 (505) 858-3100	
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP	
TITLE: ALBUQUERQUE EC WAL-MART 5491 DETAILS	
DESIGN REVIEW COMMITTEE APPROVE JUL 9 2 2008 DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL APPROVE FEB 9 2 2008 CITY ENGINEER
CITY PROJECT NO. 7726.81	ZONE MAP NO. H-20-Z
SHEET 19 OF 19	