

WAL-MART
#850-03

CITY OF ALBUQUERQUE
NEW MEXICO
JUNE 2003

1/21075/TITLE.DWG/BDG/06-05-03

[illegible]

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.

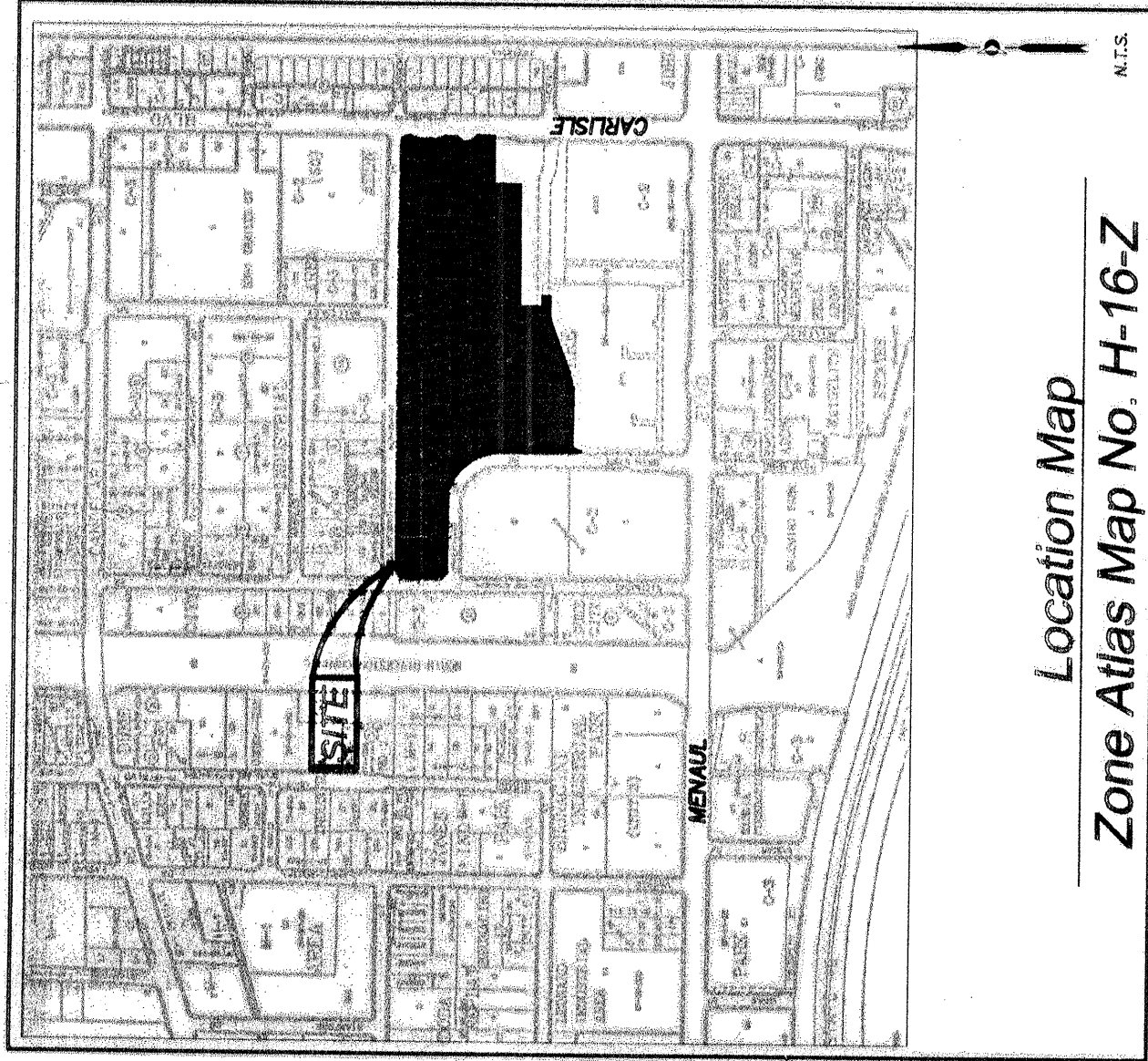
☒ SIDEWALKS AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.

☐ IF CURB IS DEPRESSSED FOR A DRIVEPAD, THE DRIVEPAD SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB.

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

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

[illegible]



Location Map
Zone Alias Map No. H-16-Z

Subdivision Data:
GROSS SUBDIVISION ACRES: 22.0953 ACRES=
NO. OF TRACTS CREATED: 3
NO. OF LOTS CREATED: 10
MILES OF FULL-WIDTH STREETS CREATED: 0
DATE OF SURVEY: FEBRUARY 2003

Notes:

1. MISC. DATA: ZONING C2
2. BEARINGS SHOWN ARE GRID BEARINGS (NEW MEXICO STATE PLANE CENTRAL ZONE - NAD 1927).
3. ALL DISTANCES ARE GROUND DISTANCES-US SURVEY FOOT.
4. THIS PROPERTY LIES WITHIN SECTION 10, TOWNSHIP 10 NORTH, RANGE 3 EAST, N.M.P.M., CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO.
5. THE PURPOSE OF THIS PLAT IS TO REPLAT THE EXISTING TWO BLOCKS INTO THREE NEW TRACTS.
6. PLAT SHOWS ALL EASEMENTS OF RECORD.
7. SP. NO. 2003091989.

Easements

THIS PLAT SHOWS EXISTING RECORDED AND APPARENT EASEMENTS AS NOTED.

1. PUBLIC UTILITY EASEMENTS SHOWN ON THIS PLAT ARE GRANTED FOR THE COMMON AND JOINT USE OF:
P.W. ELECTRIC SERVICES AND SERVICE OF OVERHEAD AND UNDERGROUND
ELECTRIC LINES, COMMUNICATION FACILITIES, NECESSARY TO PROVIDE ELECTRICAL SERVICE,
STRUCTURES AND RELATED FACILITIES REASONABLY NECESSARY TO PROVIDE ELECTRICAL SERVICE,
AND OTHER EQUIPMENT AND FACILITIES REASONABLY NECESSARY TO PROVIDE NATURAL GAS.
 2. P.W. GAS SERVICES FOR INSTALLATION, MAINTENANCE, AND SERVICE OF NATURAL GAS LINES, VALVES
AND OTHER EQUIPMENT AND FACILITIES REASONABLY NECESSARY TO PROVIDE NATURAL GAS.
 3. ONEST CORPORATION FOR THE INSTALLATION, MAINTENANCE AND SERVICE OF ALL BURIED AND AERIAL
COMMUNICATION LINES AND OTHER RELATED EQUIPMENT AND FACILITIES REASONABLY NECESSARY TO PROVIDE
COMMUNICATION SERVICES, INCLUDING BUT NOT LIMITED TO ABOVE GROUND PEDISTALS AND CLOSURES.
 4. COMCAST CABLE FOR THE INSTALLATION, MAINTENANCE, AND SERVICE OF SUCH LINES, CABLE, AND OTHER
EQUIPMENT AND FACILITIES REASONABLY NECESSARY TO PROVIDE CABLE TV SERVICE.
- INCLUDED IS THE RIGHT TO BUILD, REBUILD, RECONSTRUCT, LOCATE, RELOCATE, CHANGE, REMOVE,
MODIFY, RENEW, OPERATE, AND MAINTAIN FACILITIES FOR THE PURPOSES DESCRIBED ABOVE, TOGETHER WITH
SUPPORTING WORKING AREA SPACE FOR THE INSTALLATION, MAINTENANCE, AND SERVICE OF SUCH LINES, CABLE,
ELECTRIC TRANSFORMERS, WITH THE RIGHT AND PRIVILEGE TO INSTALL, MAINTAIN, AND SERVICE SUCH LINES,
WHICH INTERFERE WITH THE PURPOSES SET FORTH HEREIN, NO BUILDING, SIGN, POOL (ABOVEGROUND OR
UNDERGROUND), HOT TUB, CONCRETE OR WOOD POOL DECKING, OR OTHER STRUCTURE SHALL BE ERRECTED
OR CONSTRUCTED ON OR ADJACENT TO THE PROPERTY DESCRIBED HEREIN, UNLESS THE PROPERTY
OWNERS SHALL BE SAFELY RESPONSIBLE FOR CORRECTING ANY VIOLATIONS OF NATIONAL ELECTRICAL
CODE CAUSED BY CONSTRUCTION OF POOLS, DECKING, OR ANY STRUCTURES ADJACENT TO WITHIN OR NEAR
EASEMENTS SHOWN ON THIS PLAT.

EASEMENTS FOR ELECTRIC TRANSFORMERS/SWITCHGEARS, AS INSTALLED, SHALL EXTEND TEN FEET (10') IN
FRONT OF TRANSFORMER/SWITCHGEAR DOOR AND FIVE FEET (5') ON EACH SIDE.
IN APPROVING THIS PLAT, P.W. ELECTRIC SERVICES AND GAS SERVICES (P.W.) DID NOT CONDUCT A TITLE
SURVEY OF THE PROPERTY. THE SURVEYOR HAS NO KNOWLEDGE OF ANY UNRECORDED EASEMENTS,
OR EASEMENT RIGHTS TO WHICH IT MAY BE ENTITLED.

Legal Description

A TRACT OF LAND LYING AND BEING SITUATE WITHIN SECTION TOWNSHIP 10 NORTH, RANGE 3 EAST,
ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO, COMPRISING
OF BLOCKS E-1 AND F-1, AND PART OF BLOCK F-1, BEING
DESIGNATED ON THE PLAT THEREOF, FILED IN THE OFFICE OF THE COUNTY CLERK OF BERNALILLO
COUNTY, NEW MEXICO, ON MARCH 19, 1990, IN PLAT BOOK 900, PAGE 80, CONTAINING 22.0953
ACRES MORE OR LESS, NOW COMPRISING TRACTS E-1-A, F-1-A, AND F-1-B, AMERICAN SQUARE.

RECORDING STAMP

Plat of
Tracts E-1-A, F-1-A and F-1-B
American Square
Albuquerque, Bernalillo County, New Mexico
April 2003

Approvals Application No. **03060770**

SCANNED BY
MESA REPRO

CITY PLANNER, ALBUQUERQUE PLANNING DIVISION	DATE
<i>Barry J. B. B.</i>	5/18/03
CITY ENGINEER	DATE
<i>Theresa D. D.</i>	5/28/03
A.M. ENGINEER	DATE
<i>Theresa D. D.</i>	5/28/03
TRAPPO ENGINEER	DATE
<i>Theresa D. D.</i>	5/13/03
CITY SURVEYOR	DATE
<i>Theresa D. D.</i>	5/13/03
CITY MANAGER	DATE
<i>Theresa D. D.</i>	5/13/03
UTILITY DEVELOPMENT DIVISION	DATE
<i>Christina D. D.</i>	5/28/03
PARKS AND RECREATION DEPARTMENT	DATE
<i>Theresa D. D.</i>	6-26-03
P.W. ELECTRIC SERVICES	DATE
<i>Theresa D. D.</i>	6-26-03
P.W. GAS SERVICES	DATE
<i>Theresa D. D.</i>	6-26-03
ONEST CORPORATION	DATE
<i>Theresa D. D.</i>	6-26-03
COMCAST CABLE	DATE
<i>Theresa D. D.</i>	6-26-03

TREASURER'S CERTIFICATE

Free Consent

THE DEED AT SIGNED HEREON IS WITH THE FREE CONSENT AND IN ACCORDANCE WITH THE DESIRES
OF THE UNDERSIGNED HEREON, AND FOR THE PURPOSES SET FORTH IN THE FOREGOING, I, LARRY W. MEDRANO,
HEREON FOR THE COMMON AND JOINT USE OF GAS, ELECTRICAL POWER AND COMMUNICATION
UTILITIES, HAVE GRANTED TO THE CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO,
AND EGRESS FOR CONSTRUCTION AND MAINTENANCE, AND THE RIGHT TO TANK INTERFERING
AND SHIRDS, SAID OWNER AND/OR PROPRIETOR DOES HEREBY CERTIFY THAT THEY HOLD AMONG THEM COMPLETE
IS THEIR FREE ACT AND DEED, SAID OWNERS WARRANT THAT THEY HOLD AMONG THEM COMPLETE
AND INDISPENSIBLE TITLE TO THE LAND SUBDIVIDED.

SAID OWNER AND/OR PROPRIETOR DOES HEREBY GRANT ALL EASEMENTS AS SHOWN HEREON
WITH LISTED BENEFICIARIES AND STIPULATIONS.

JOHN CLARK, WAL-MART STORES EAST, L.P., A DELAWARE LIMITED PARTNERSHIP
A DELAWARE LIMITED PARTNERSHIP
DATE 5-5-03

Acknowledgment

STATE OF ARKANSAS
COUNTY OF BENTON)
I, *John Clark*, Notary Public,
do hereby certify that the foregoing instrument was acknowledged before me this 5th day of May, 2003, by
JOHN CLARK, WAL-MART STORES EAST, L.P., A DELAWARE LIMITED PARTNERSHIP
NOTARY PUBLIC

THIS INSTRUMENT WAS ACKNOWLEDGED BEFORE ME THIS 5th DAY OF May, 2003, BY
JOHN CLARK, WAL-MART STORES EAST, L.P., A DELAWARE LIMITED PARTNERSHIP
BY *John Clark* MY COMMISSION EXPIRES: 1-10-2009

Surveyor's Certificate

I, LARRY W. MEDRANO, A REGISTERED PROFESSIONAL SURVEYOR UNDER
THE LAWS OF THE STATE OF NEW MEXICO, HEREBY CERTIFY THAT
THIS PLAT WAS PREPARED FROM FIELD NOTES OF AN ACTUAL SURVEY MEETING
THE MINIMUM REQUIREMENTS FOR MONUMENTATION AND SURVEYS OF THE
CITY OF ALBUQUERQUE SUBDIVISION ORDINANCE AND OF STANDARDS FOR
LAND SURVEYS OF THE N.M. BOARD OF LICENSURE FOR ENGINEERS AND
SURVEYORS AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE
AND BELIEF, AND THAT NO ENCROACHMENTS EXIST EXCEPT AS NOTED
ABOVE, AND THAT ALL IMPROVEMENTS ARE SHOWN IN THEIR CORRECT
LOCATION RELATIVE TO RECORD BOUNDARIES AS LOCATED BY THIS SURVEY.

Larry W. Medrano DATE 4/18/2003
LARRY W. MEDRANO
N.M.E.S. No. 11993



PRECISION SURVEYS, INC.

8414-D JEFFERSON ST., N.E. PHONE 505 856 5700
ALBUQUERQUE, NEW MEXICO 87113 FAX 505 856 7900

Project No. **1002249**

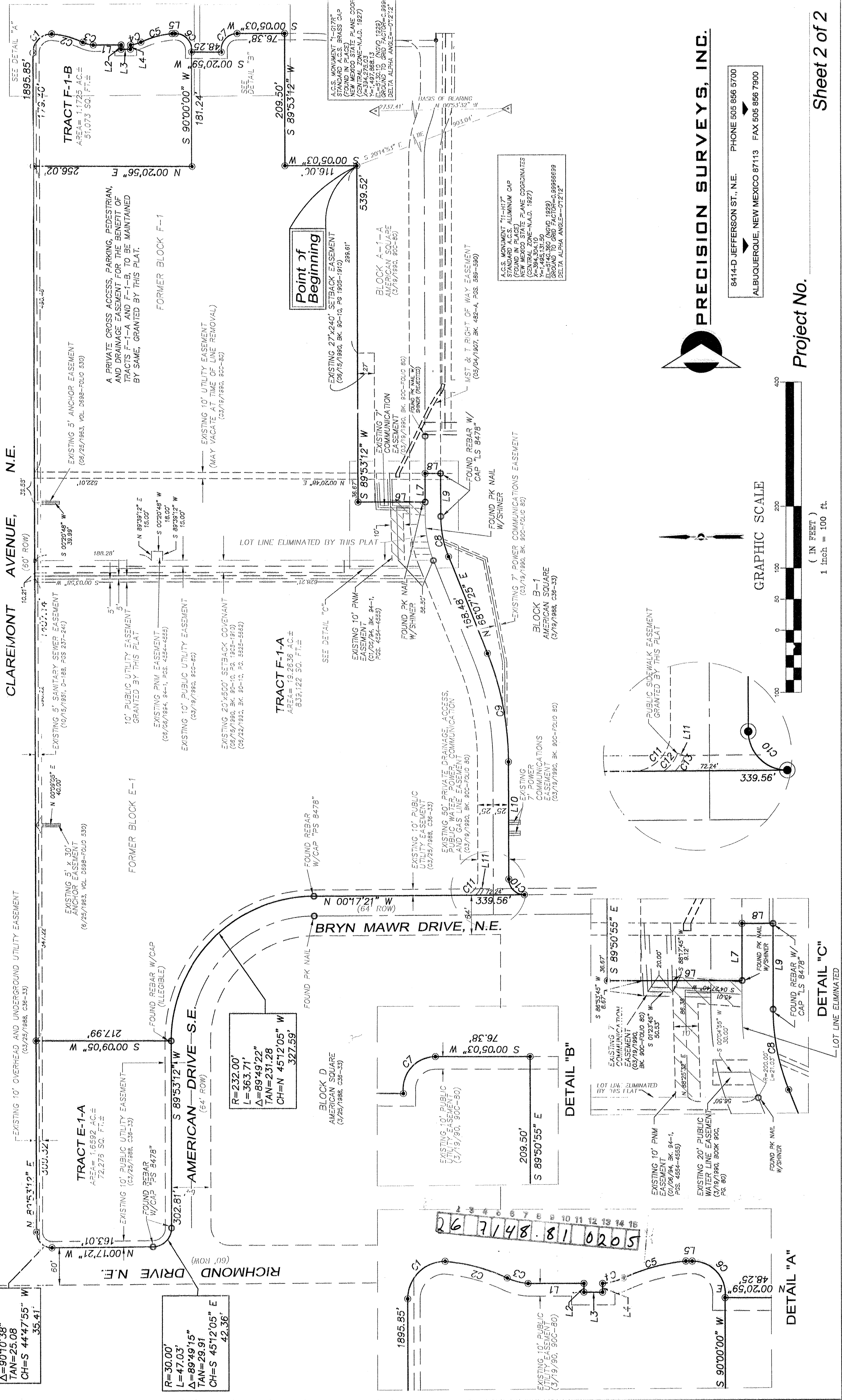
Sheet 1 of 2

Legend

(N 90°00'00" E)
RECORD BEARINGS AND DISTANCES
MEASURED BEARING AND DISTANCES
AS SHOWN
DENSE REBAR W/OP "PS 1981"
TO BE SET UNLESS OTHERWISE NOTED

CURVE	RADIUS	LENGTH	DELTA	TANGENT	CHORD	DISTANCE
C1	30.00'	47.36'	90°27'29"	30.24'	N 44°53'08" W	42.50'
C2	150.00'	92.22'	18°56'48"	26.38'	N 15°24'49" E	91.86'
C3	50.00'	17.41'	19°57'01"	8.79'	S 15°04'55" W	17.32'
C4	50.00'	17.41'	19°57'01"	8.79'	S 14°57'35" W	17.32'
C5	50.00'	17.41'	19°57'01"	8.79'	S 14°57'35" W	17.32'
C6	25.30'	44.20'	92°31'31"	28.93'	N 48°15'53" E	29.81'
C7	25.30'	44.20'	92°31'31"	28.93'	N 48°15'53" E	29.81'
C8	175.00'	66.53'	21°46'56"	33.67'	S 79°00'55" W	66.13'
C9	470.00'	178.57'	21°46'56"	90.35'	S 79°00'55" W	177.45'
C10	28.00'	39.35'	90°10'38"	28.08'	S 44°47'55" W	35.41'
C11	28.00'	39.35'	90°10'38"	28.08'	S 44°47'55" W	35.41'
C12	23.15'	14.69'	92°15'56"	2.60'	S 51°14'13" E	14.45'
C13	24.68'	11.60'	28°55'53"	5.91'	S 57°56'46" E	11.49'

Plat of
Tracts E-1-A, F-1-A and F-1-B
American Square
Albuquerque, Bernalillo County, New Mexico
April 2003

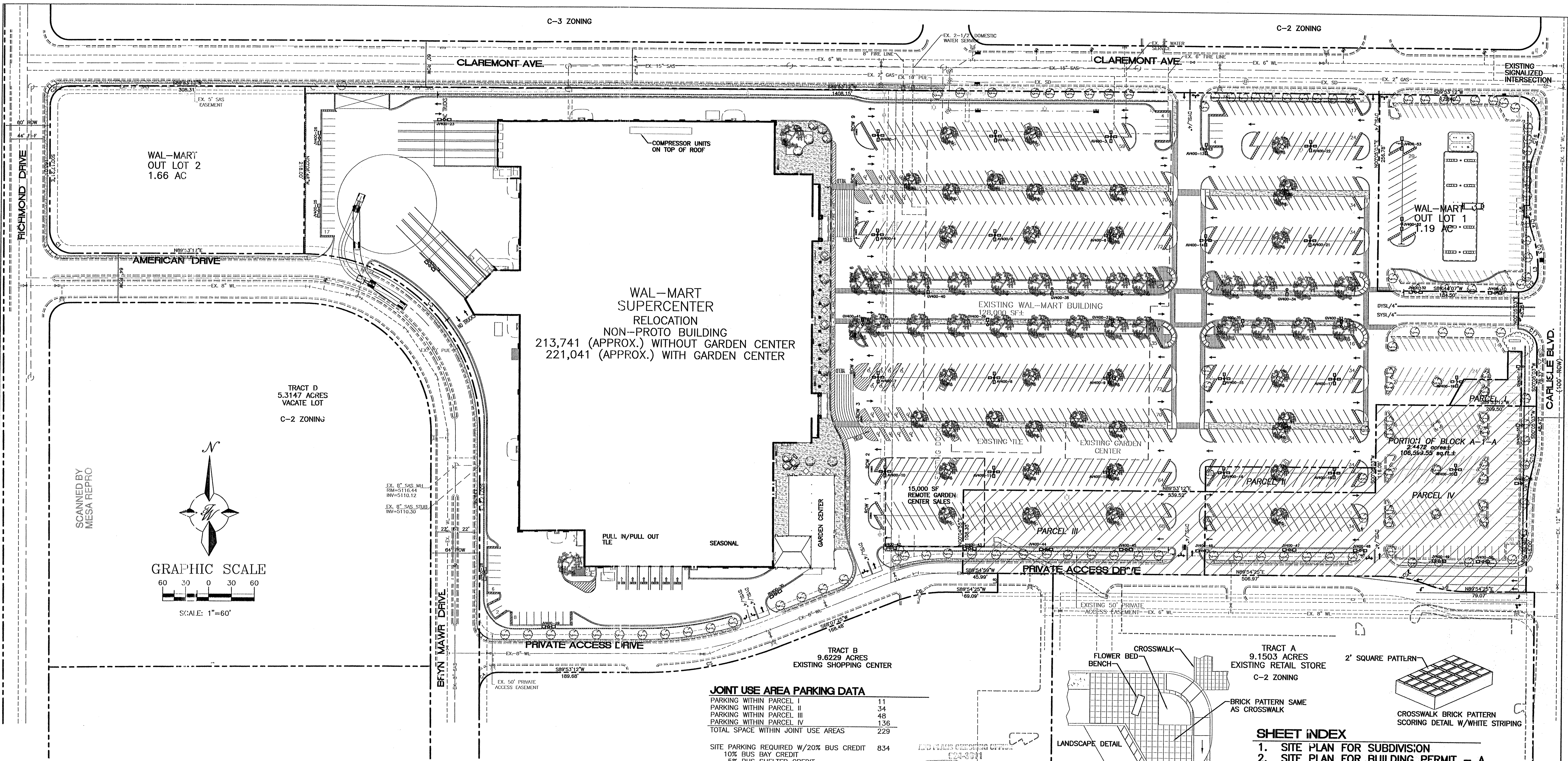


PRECISION SURVEYS, INC.

8414-D JEFFERSON ST., N.E. PHONE 505 856 5700
ALBUQUERQUE, NEW MEXICO 87113 FAX 505 856 7900

Project No.

Sheet 2 of 2



JOINT USE AREA PARKING DATA

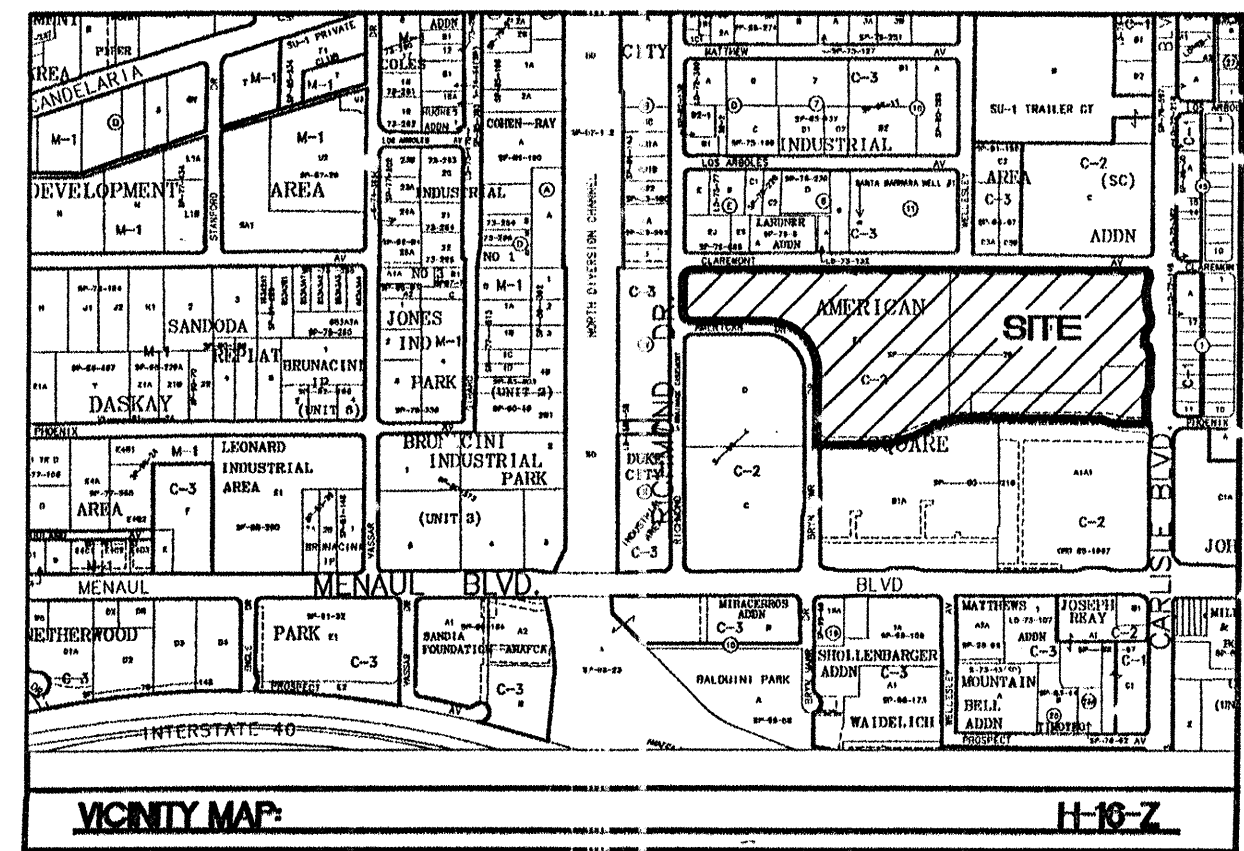
PARKING WITHIN PARCEL I	11
PARKING WITHIN PARCEL II	34
PARKING WITHIN PARCEL III	48
PARKING WITHIN PARCEL IV	136
TOTAL SPACE WITHIN JOINT USE AREAS	229
SITE PARKING REQUIRED W/20% BUS CREDIT	834
10% BUS BAY CREDIT	
5% BUS SHELTER CREDIT	
5% BUS CREDIT, OVER 5 AC SITE	
SITE PARKING PROVIDED	1063
SITE PARKING PROVIDED MINUS JOINT USE	831

SITE DATA

PROPOSED USAGE:	PROPOSED EXPANSION
EXISTING ZONING:	C-2
LOT AREA:	
WAL-MART TRACT	20,5988 AC
OUT LOT 1	1,1918 AC
OUT LOT 2	1,6593 AC
TOTAL:	23,4497 AC
BUILDING AREA:	
WITH GARDEN CENTER	221,041 SF
WITHOUT GARDEN CENTER	213,741 SF
LANDSCAPING:	
PROVIDED:	93,989 SF
REQUIRED:	86,340 SF
PARKING PROVIDED:	1059 SPACES
PARKING REQUIRED: RETAIL AREA	1042 SPACES
PARKING REQUIRED: GARDEN CENTER (7,300 SF)	18 SPACES
PARKING REQUIRED: STORAGE AREA (5,300 SF)	3 SPACES
TOTAL PARKING REQUIRED W/20% BUS CREDIT:	834 SPACES
PARKING RATIO: WITHOUT GARDEN CENTER	4.95
HC PARKING PROVIDED:	23 SPACES (4 VAN)
HC PARKING REQUIRED:	20 SPACES
BIKE SPACES PROVIDED:	4 SPACES VAN ACCESSIBLE
BIKE SPACES REQUIRED:	30 SPACES
	27 SPACES

LEGEND

---	EXISTING CURB & GUTTER
---	BOUNDARY LINE
---	EASEMENT
---	PROPOSED EASEMENT
---	PROPOSED SCREEN WALL
---	PROPOSED RETAINING WALL
---	PROPOSED SIDEWALK
---	PROPOSED BOLLARD
---	PROPOSED PEDESTRIAN CROSSWALK
---	PROPOSED CART CORRALS
---	ASSOCIATE PARKING AREA
---	BIKE RACK
---	BIKE LOCKER
---	PROPOSED LIGHT POLE
---	PARCELS WITHIN JOINT USE AREAS



VICINITY MAP
BLOCK E1 AND F1, AMERICAN SQUARE

PROJECT NUMBER: 1002249

This plan is consistent with the specific site development plan approval by the Environmental Planning Commission (EPC) on 04/09/03 and that the findings and conditions in the Official Notice, Notification of Decision have been complied with:

SITE DEVELOPMENT PLAN
Traffic Engineer, Transportation Division
Christian Sandoval
Parks & General Services Department
Rogelio Rios
Public Works, Water Utilities Division
Brenda L. Biles
City Engineer, Engineering Division / AMAFCA
Michael Holten
Solid Waste and Compliance/Collection Division

APPROVAL AND CONDITIONAL ACCEPTANCE, as specified by the Development Process Manual:
Shera Matson
City Planner, Albuquerque Bernalillo County Planning Division

PLNZ (10706) 4/96

5/28/03
5/28/03
5/28/03
5/28/03
5/28/03

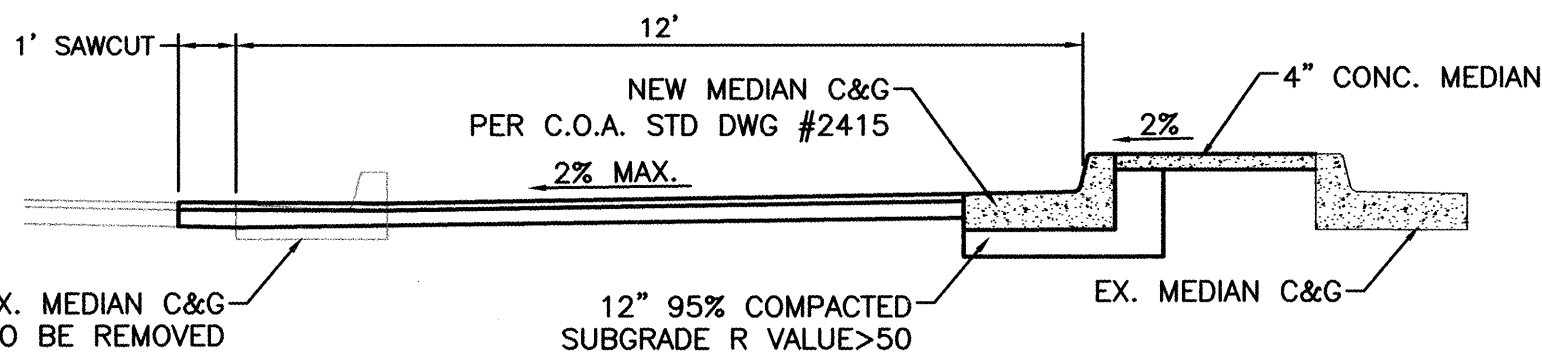
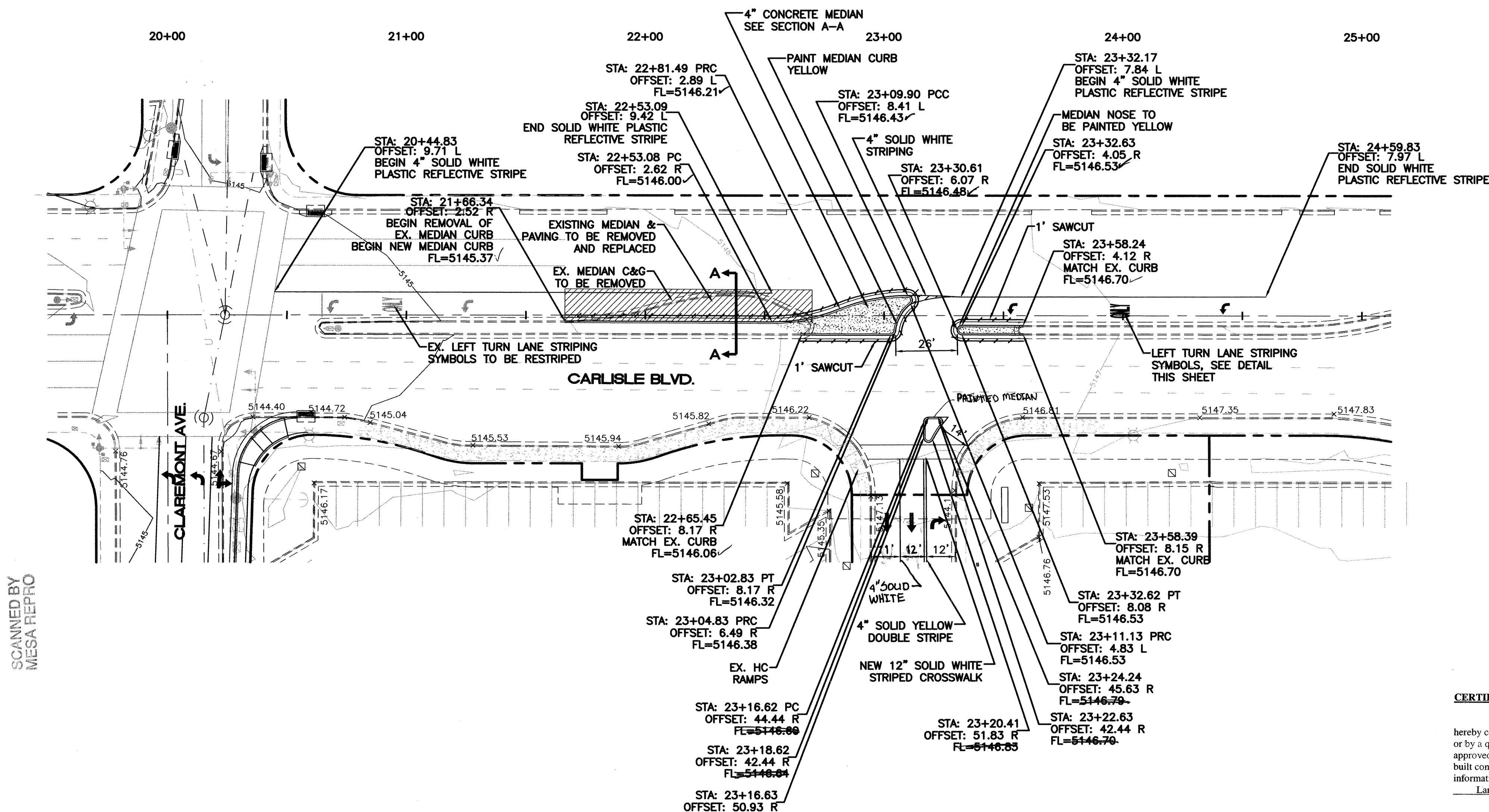
SHEET INDEX

1. SITE PLAN FOR SUBDIVISION
2. SITE PLAN FOR BUILDING PERMIT - A
3. SITE PLAN FOR BUILDING PERMIT - B
4. LANDSCAPE PLAN
5. ELEVATIONS
- 5A. ELEVATIONS
6. GRADING AND DRAINAGE PLAN - A
- 6A. GRADING AND DRAINAGE PLAN - B
7. MASTER UTILITY PLAN - A
- 7A. MASTER UTILITY PLAN - B
8. DETAILS
9. DETAILS
10. DETAILS
11. DETAILS
12. DETAILS

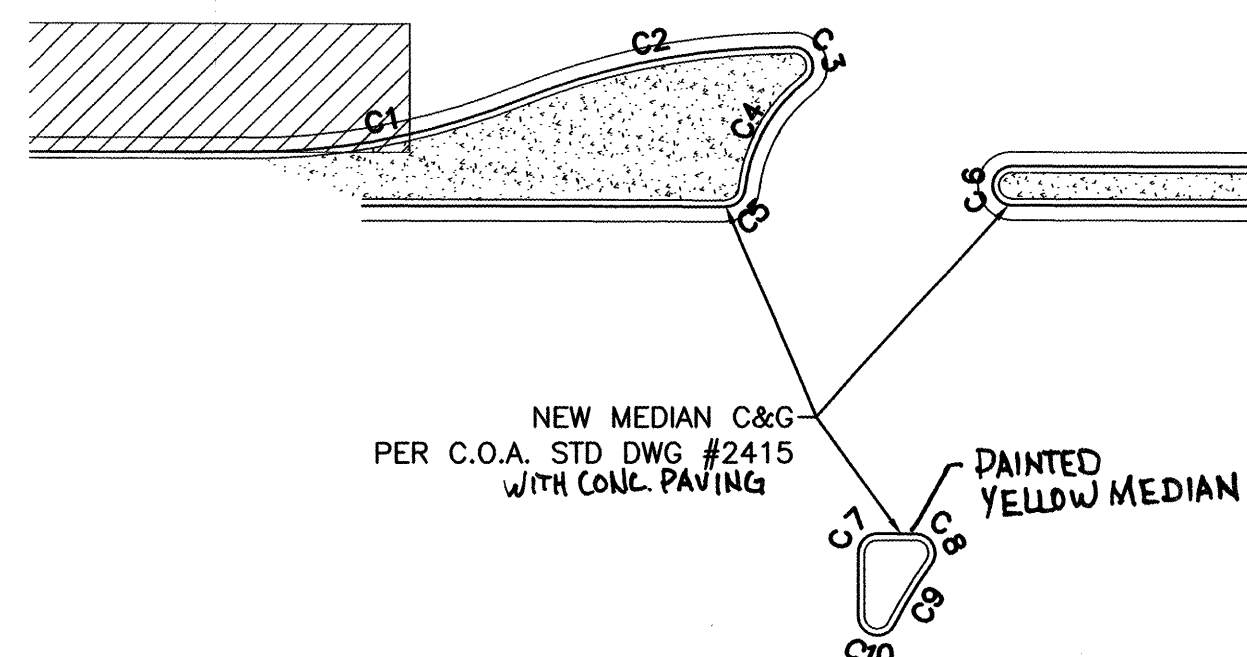
For Reference Only

ENGINEER'S SEAL RONALD R. BOHANNAN P.E. #7868	ALBUQUERQUE WAL-MART EXPANSION, NM: 850-03 SITE PLAN FOR SUBDIVISION TERRA WEST, LLC 8509 JEFFERSON NE ALBUQUERQUE, NEW MEXICO 87113 (505)858-3100	DRAWN BY: BDC DATE: 04/09/03 2175SPS1.DWG SHEET # 1 JOB # 21075
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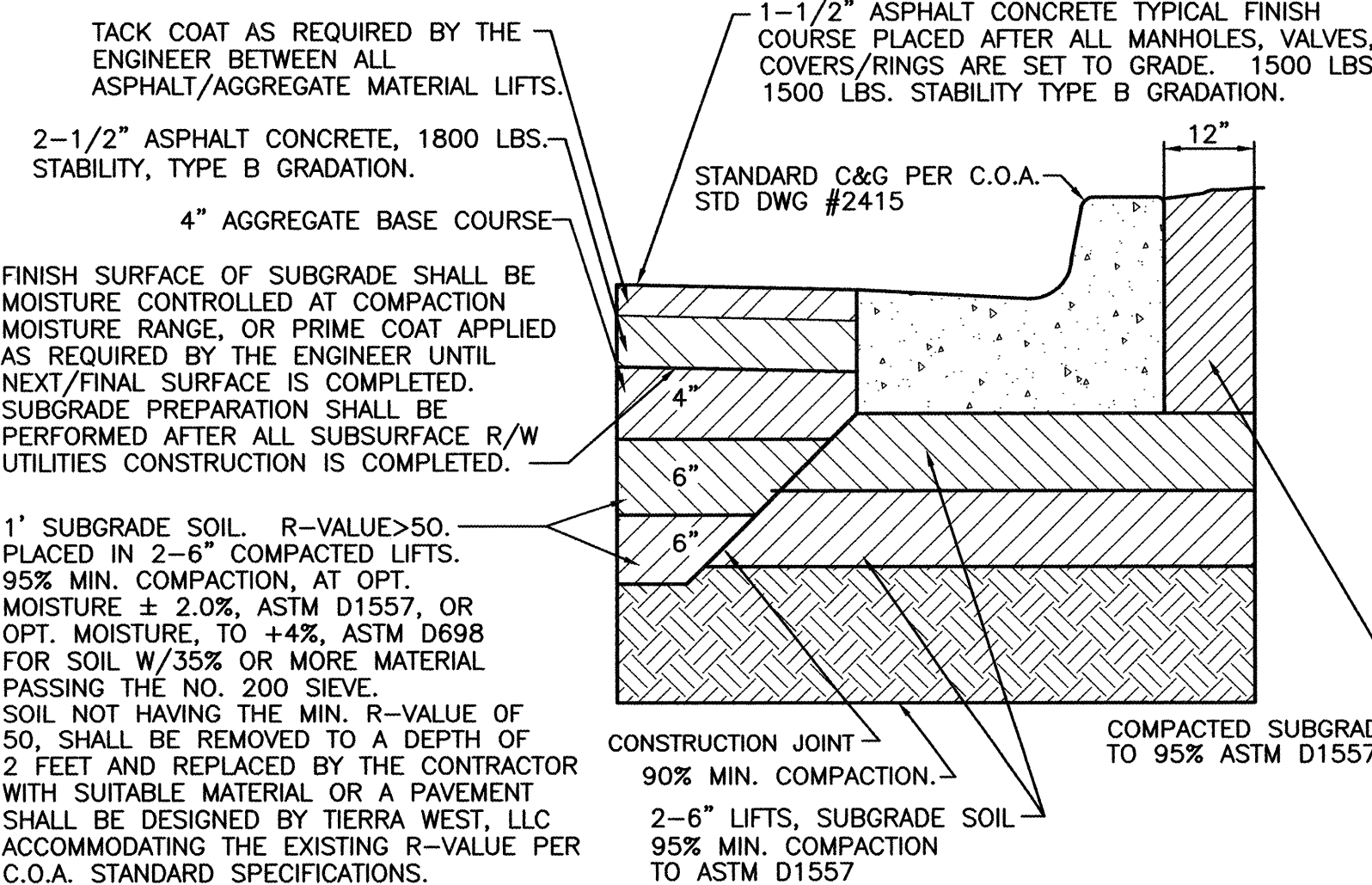
SCANNED BY
MESA REPRO



SECTION A-A
NTS

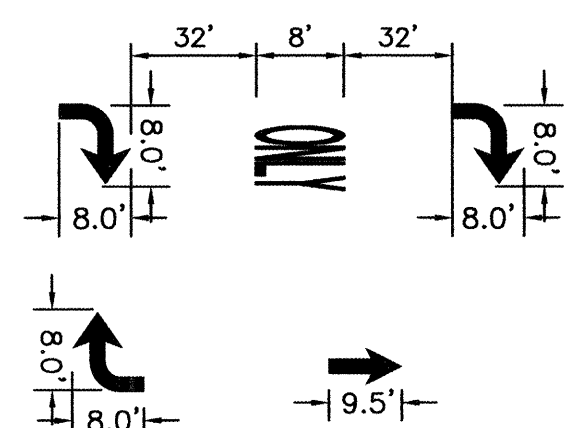


MEDIAN CURVE DATA
SCALE: 1"=20'



CARLISLE PAVING SECTION
NTS

26 7148.81 0405



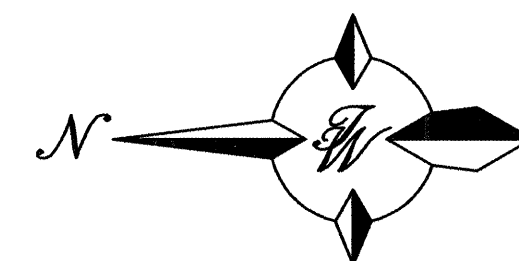
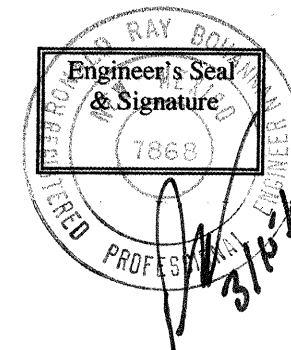
ARROW DETAILS
NTS

CURVE TABLE				
CURVE	LENGTH	RADIUS	CHORD BEARING	CHORD
C1	29.13	75.00	S10°53'50"E	28.94
C2	29.13	75.00	N10°53'50"W	28.94
C3	4.95	2.00	N71°08'03"E	3.78
C4	13.31	16.69	N60°48'04"W	12.96
C5	2.92	2.00	S41°38'39"E	2.67
C6	6.33	2.01	N89°46'19"W	4.03
C7	3.14	2.00	N44°57'59"W	2.83
C8	4.42	2.00	N63°22'02"E	3.57
C9	7.30	42.58	N58°14'28"W	7.29
C10	5.35	2.00	S13°25'37"W	3.89

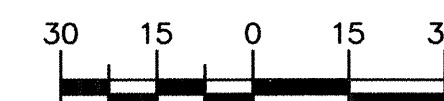
CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

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 11995.



GRAPHIC SCALE



SCALE: 1"=30'

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

**CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP**

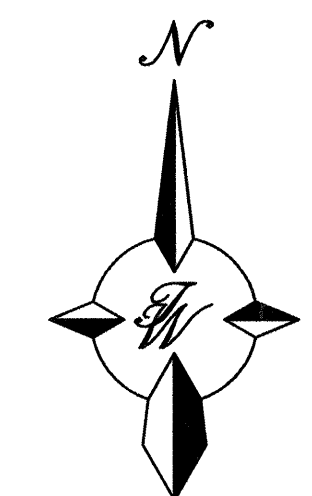
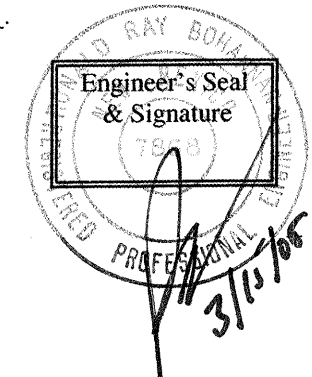
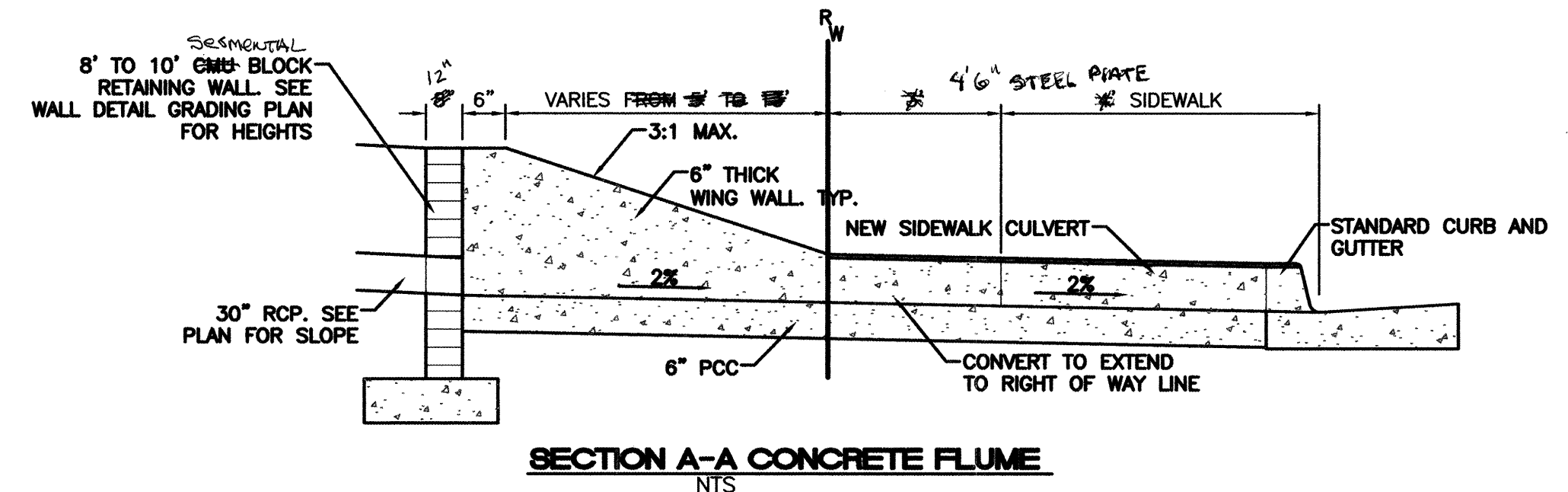
**TITLE: ALBUQUERQUE WAL-MART #850
PAVING IMPROVEMENTS
CARLISLE MEDIAN IMPROVEMENTS**

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
OCT 20 2013	OCT 28 2013		
LAST DESIGN UPDATE			
CITY PROJECT NO. 714881	ZONE MAP NO. H-16-Z	SHEET 4	OF 14

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	JAYNES CORP.	AC.S. MONUMENT	"11-H17"	DATE	BY	DATE	BY
INSPECTOR'S COAT/TERRA WEST DATE	2008/04/05	STANDARD A.C.S. ALUMINUM CAP					
FIELD ENGINEER'S COAT/TERRA WEST DATE	2008/04/05	NM STATE PLANE COORDINATES					
FIELD ENGINEER'S COAT/TERRA WEST DATE	2008/04/05	(CENTRAL ZONE-N.A.D. 1927)					
FIELD ENGINEER'S COAT/TERRA WEST DATE	2008/04/05	X=394,304.10					
FIELD ENGINEER'S COAT/TERRA WEST DATE	2008/04/05	Y=1,495,131.5					
FIELD ENGINEER'S COAT/TERRA WEST DATE	2008/04/05	GROUND TO GRID FACTOR=0.99966699					
FIELD ENGINEER'S COAT/TERRA WEST DATE	2008/04/05	DELTA ALPHA ANGLE=-0°12'12"					
FIELD ENGINEER'S COAT/TERRA WEST DATE	2008/04/05	EL=5140.36 195-NGVD 1929					

RECORDED BY
DATE
10/24/13
Ron Bohannon

BRYN MAWR DRIVE



SCALE: 1"=10'

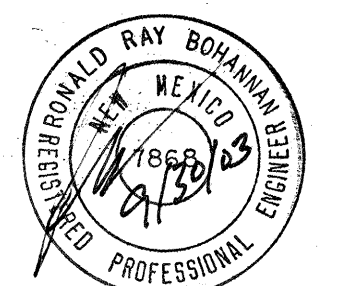
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: **ALBUQUERQUE WAL-MART #850**
SIDEWALK CULVERT DETAIL

DESIGN	REVIEW	COMMITTEE	CITY ENGINEER APPROVAL	DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.

CITY PROJECT NO. 714881		ZONE MAP NO.	SHEET 5 OF 11
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SURVEY INFORMATION			BENCH MARKS		AS BUILT INFORMATION	
NO.	FIELD NOTES		A.C.S. MONUMENT	"11"-117"	CONTRACTOR	JAYNES CORP
	DATE	BY				
			STANDARD A.C.S. ALUMINUM CAP		WORK	PRECISION SURVEYING
			NM STATE PLANE COORDINATES		INSPECTION BY	2003/04/19
			(CENTRAL ZONE-N.A.D. 1927)		ACCEPTANCE BY	2003/04/19
			X=394,304.10		CONTRACTOR'S WEST DATE	2003/04/19
			Y=1,495,131.5		VERIFICATION BY	2003/04/19
					DRAWINGS	2003/04/19
					CORRECTED BY	DATE
					MICRO-FILM INFORMATION	
					RECORDED BY	DATE
					GROUND TO GRID FACTOR=0.9986689	
					DELTA ALPHA ANGLE=-0°12'12"	
					EL=5140.36 195-NGVD 1929	
					<i>Mr. J. J. Jorgensen</i> <i>Ron Hartke</i>	

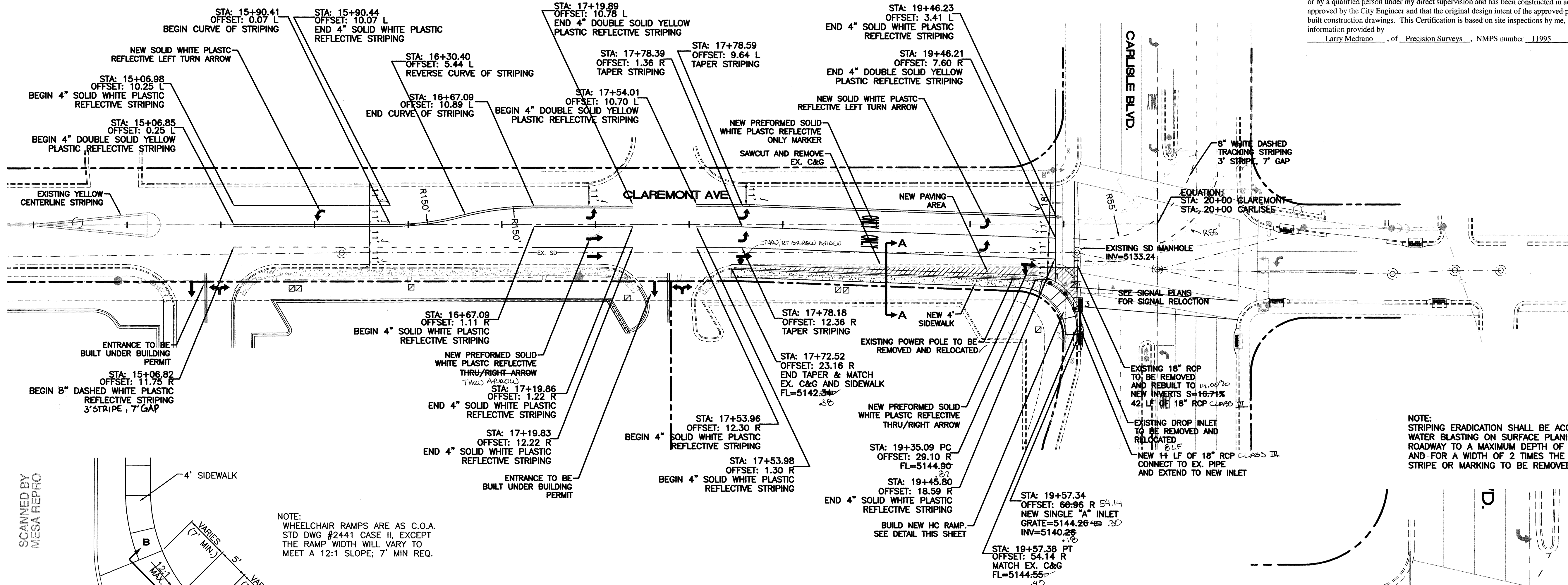
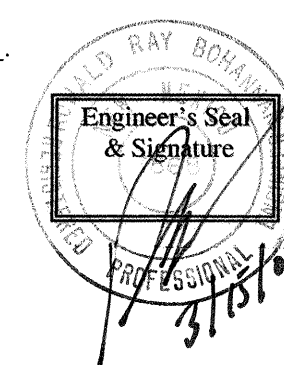
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14+00 15+00 16+00 17+00 18+00 19+00 20+00

CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

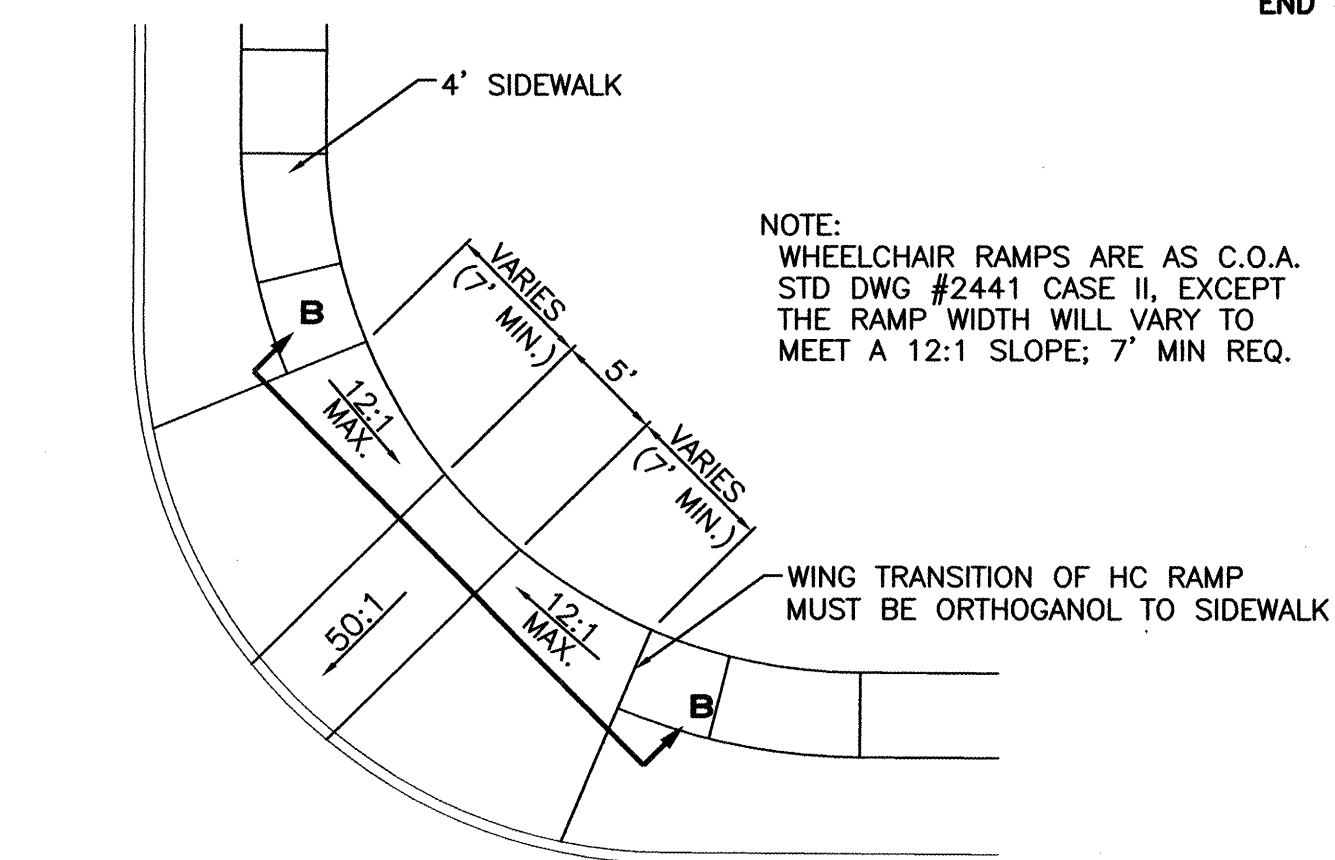
I, Ronald R. Bohannon, of the firm of Terra West LLC, a Registered Professional Engineer in the State of New Mexico, do hereby certify, to the best of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct supervision 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 11995

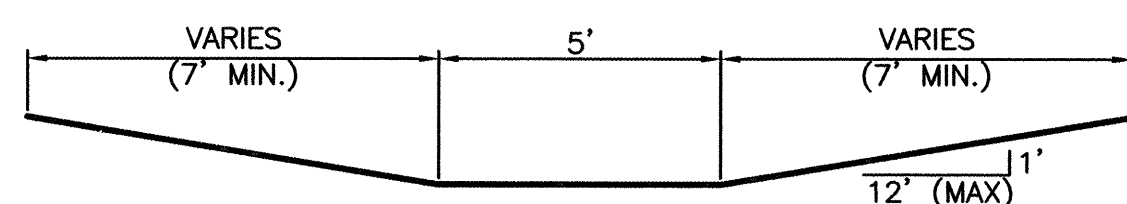


NOTE:
STRIPING ERADICATION SHALL BE ACCOMPLISHED BY WATER BLASTING ON SURFACE PLANING OF THE ROADWAY TO A MAXIMUM DEPTH OF 0.25 INCHES AND FOR A WIDTH OF 2 TIMES THE WIDTH OF THE STRIPE OR MARKING TO BE REMOVED.

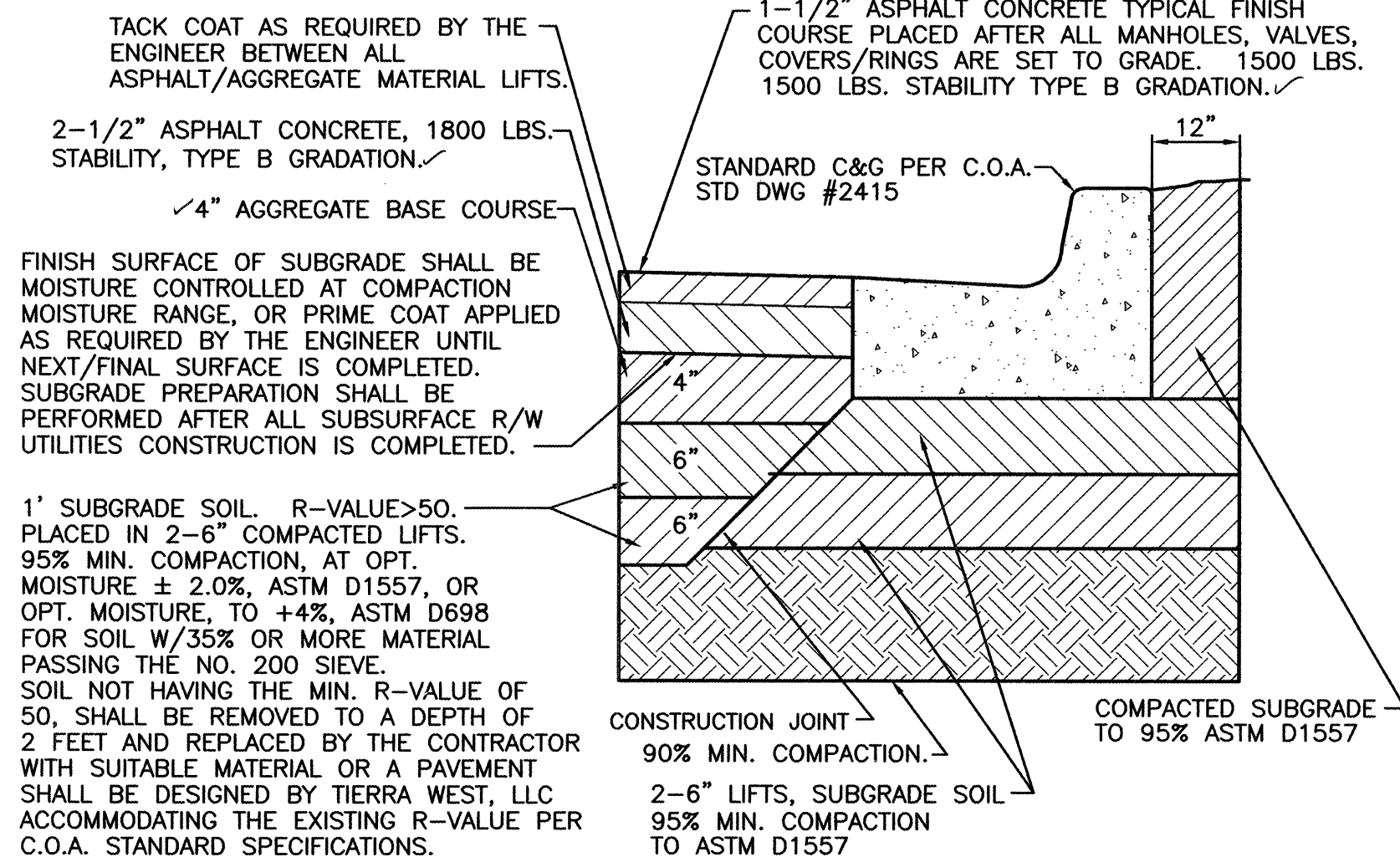
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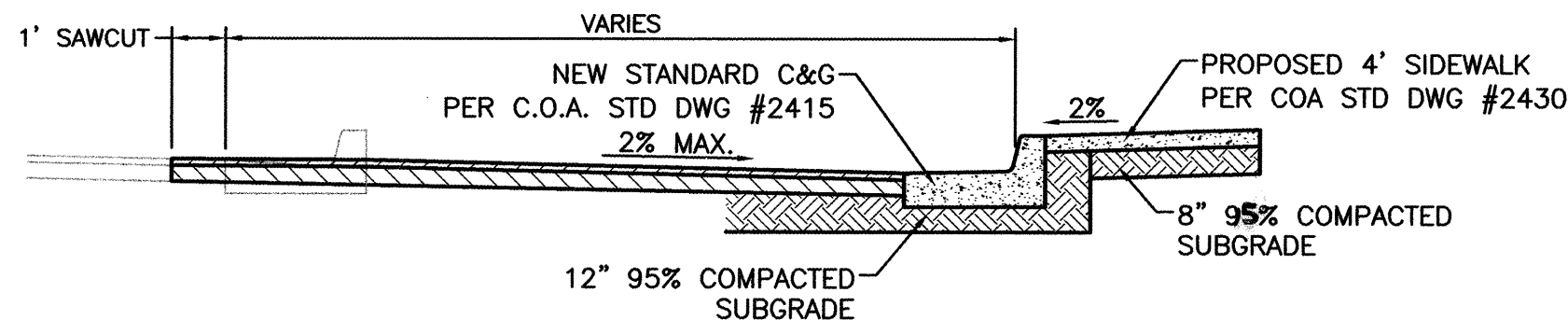
WHEELCHAIR RAMP DETAIL (TYP.)



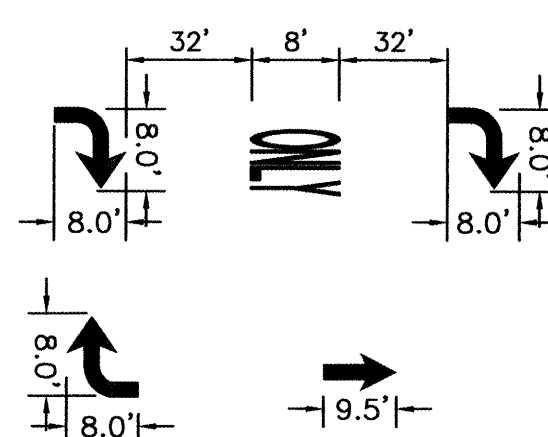
SECTION B-B



CLAREMONT PAVING SECTION



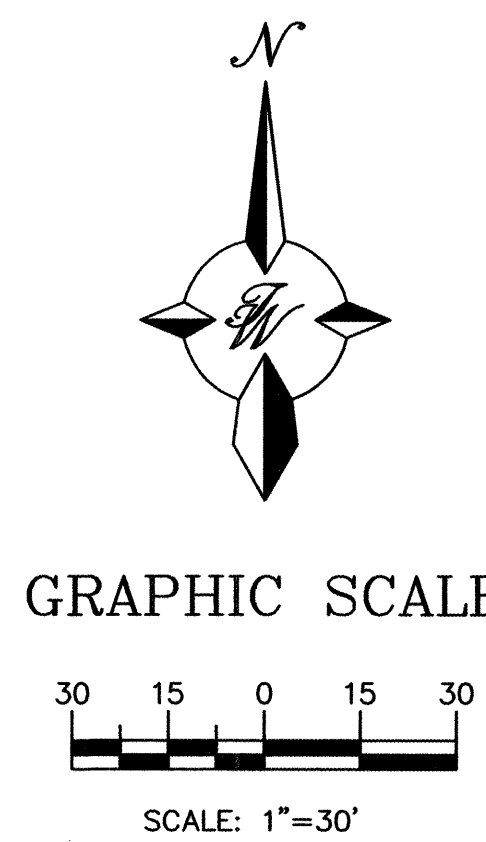
SECTION A-A



ARROW DETAILS

QUARTER POINTS

FL	ELEV.
1	5144.81
2	5144.91
3	5144.63



GRAPHIC SCALE

SCALE: 1"=30'

CROSSING STRIPING

SCALE: 1"=20'



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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

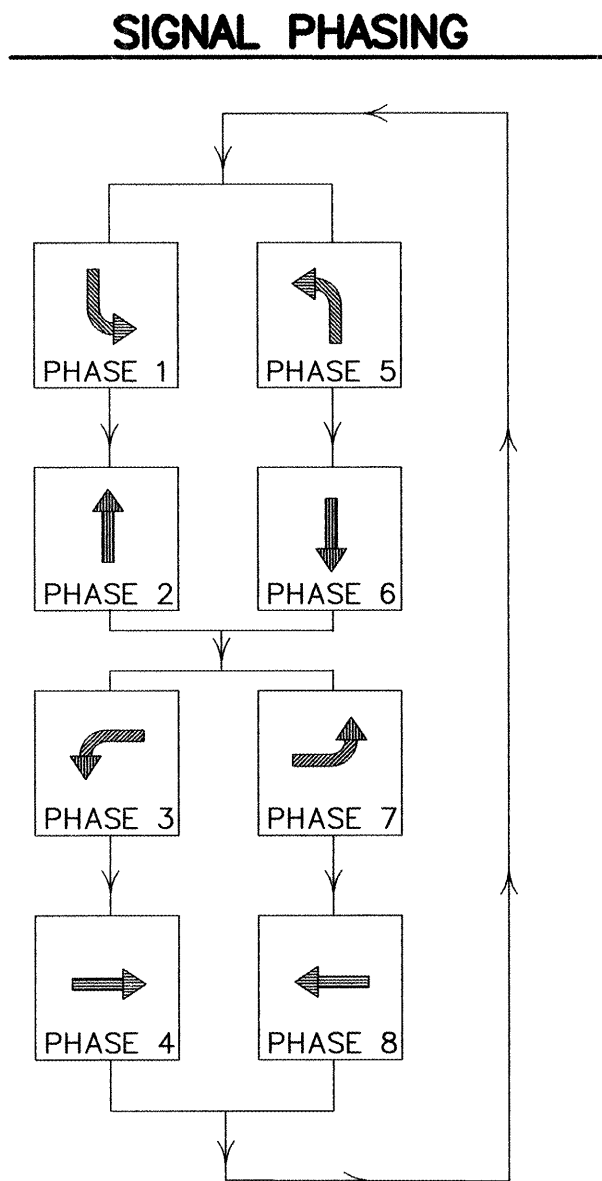
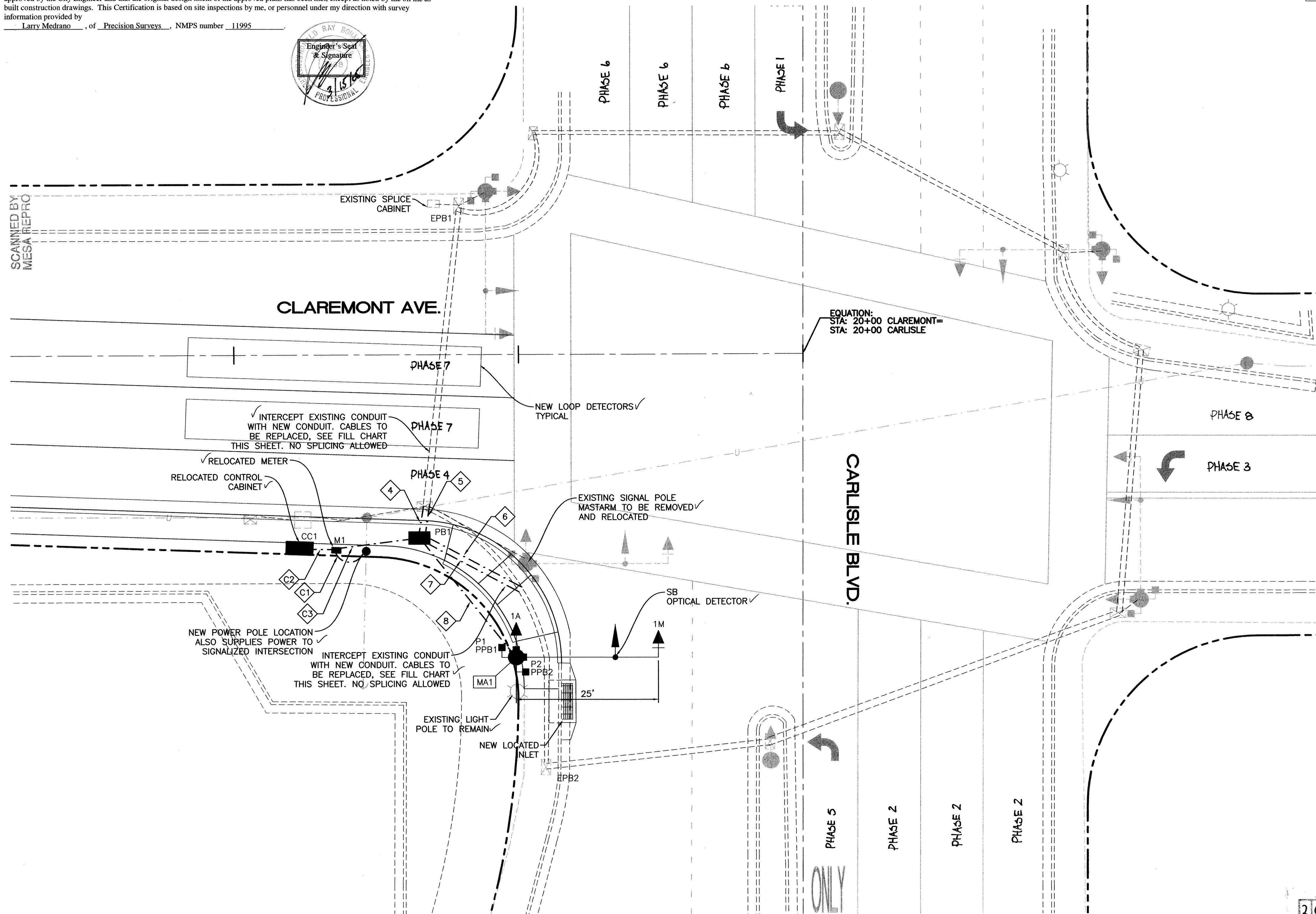
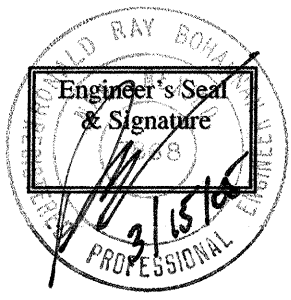
TITLE: **ALBUQUERQUE WAL-MART #850**
PAVING IMPROVEMENTS
CLAREMONT RIGHT TURN/THRU LANE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED OCT 20 2015	28 2015		
CITY PROJECT NO. 714881	ZONE MAP NO. H-16-Z	SHEET 6 OF 14	

CONDUIT AND CONDUCTOR REQUIREMENTS															
CONDUIT LENGTH, SIZE, AND TYPE				CONDUIT FILL BY CONTRACTOR LENGTH AND TYPE											
RUN ID ##	SIZE/LENGTH			TYPE	REMARKS	MCC 5 (# @ FT)	MCC 7 (# @ FT)	MCC 20 (# @ FT)	SCC #2 (# @ FT)	SCC #6 (# @ FT)	SCC #8 (# @ FT)	DLIC (# @ FT)	CC #6 (# @ FT)	CC #12 (# @ FT)	OPTICOM (# @ FT)
C1			6		POWER TO M1					1 @ 11'					
C2			5		M1 TO CC1					1 @ 10'					
C3			20		CC1 TO PB1	1 @ 25'		2 @ 25'			1 @ 25'				1 @ 25'
4			58		PB1 TO EPB1	1 @ 63'		2 @ 63'							
5			58		PB1 TO EPB1						1 @ 63'				1 @ 63'
6			60		PB1 TO EPB2	1 @ 65'		2 @ 65'							
7			60		PB1 TO EPB2						1 @ 65'				1 @ 65'
8			30		PB1 TO MA1		2 @ 35'	2 @ 35'			1 @ 35'				1 @ 35'
					BASE TO 1M		1 @ 36'								
					BASE TO OPTICOM										1 @ 20'
					BASE TO 1A		1 @ 15'								
					BASE TO P1 & P2	2 @ 15'									
					BASE TO PPB1 & PPB2	2 @ 9'									
TOTAL						201'	121'	376'		22'	188'				208'

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 11995.

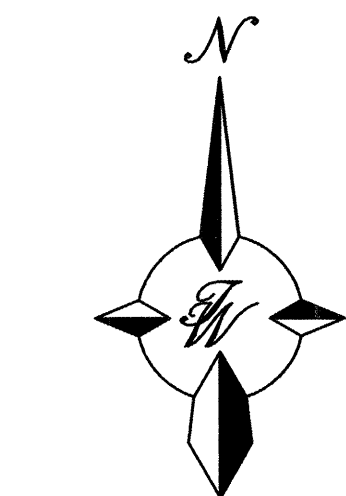


ABBREVIATIONS	
MA1	MASTARM NUMBER
PP1	PEDESTAL POLE NUMBER
PPB1	PEDESTRIAN PUSH BUTTON NUMBER
CC1	CONTROL CABINET NUMBER
SC1	SPLICE CABINET NUMBER
PB1	PULL BOX NUMBER (SIGNALS)
PBS1	PULL BOX NUMBER (POWER)
PBC1	PULL BOX NUMBER (INTERCONNECT)
DL1(1)	DETECTOR LOOP PHASE # (LOOP #)
3A	SIGNAL HEAD NUMBER
P1	PEDESTRIAN SIGNAL NUMBER
BP	BACK PLATE
EC	EXTENDED CALL LOOP DETECTOR
SD	SYSTEM LOOP DETECTOR
EMH	EXISTING TRAFFIC MANHOLE
EPB	EXISTING PULL BOX
ESL1	EXISTING STREET LIGHT
SL1	STREET LIGHT

SYMBOL KEY	
PP1	SIGNAL & CABINET ID
E1	CONDUIT RUN ID
E1	EXISTING CONDUIT RUN ID

NOTES

1. NEW PULL BOXES LABELED, PB1 THRU PB5 ARE TO BE LARGE PULL BOXES.
2. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDUIT RUNS AND THE CABLES IN EACH CONDUIT THAT IS TO MODIFIED PRIOR TO ANY CONSTRUCTION
3. ALL CONDUITS TO BE INTERCEPTED WITH AN EXISTING CONDUIT SHALL HAVE THE CABLES COMPLETELY REMOVED AND REPLACE WITH NEW CABLES.
4. IF CABLES ARE CUT THE ENTIRE RUN OF CABLE SHALL BE REPLACED BY THE CONTRACTOR.
5. PRIOR TO INSTALLATION OF NEW SIGNAL EQUIPMENT AND NEW MARKINGS, AFTER COMPLETING THE CONSTRUCTION STAKING IS INSTALLED, THE CONTRACTOR SHALL CONTACT THE TRAFFIC ENGINEER AT 897-8000 (ED TOLEDO) TO CONFIRM LOCATION OF EQUIPMENT IN THE FIELD.
6. CONDUIT RUNS; 1 THRU 8 ARE NEW CONDUITS TO INTERCEPT THE EXISTING CONDUITS. EXCESS CONDUITS AFTER THE INTERCEPTION OF THE NEW CONDUIT SHALL BE REMOVED. ALL OTHER CONDUITS ARE NEW
7. RED LIGHT INDICATIONS WILL BE LED.
8. ANY LOOP DETECTORS DAMAGED SHALL BE REPLACED BY THE CONTRACTOR.



GRAPHIC SCALE
10 5 0 5 10
SCALE: 1"=10'

TERRA WEST, LLC 8509 JEFFERSON NE ALBUQUERQUE, NEW MEXICO 87113 (505)858-3100	
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP	
TITLE: ALBUQUERQUE WAL-MART #850 PAVING IMPROVEMENTS CLAREMONT SIGNAL IMPROVEMENTS	
DESIGN REVIEW COMMITTEE OCT 20 2013	CITY ENGINEER APPROVAL OCT 28 2013
CITY PROJECT NO. 71481	ZONE MAP NO. H-16-Z
SHEET 7 OF 14	

SCANNED BY
MESA REPRO

SIGNAL NOTES

- ALL WORK ON THESE PLANS TO BE PERFORMED UNDER THIS CONTRACT SHALL CONFORM TO THE CURRENT NATIONAL ELECTRIC CODE, THE STANDARDS OF THE NATIONAL BOARD OF FIRE UNDERWRITERS FOR ELECTRICAL WIRING AND APPARATUS, AND THE CITY'S TRAFFIC ENGINEERING OPERATIONS THIRD DRAFT SPECIFICATIONS (JUNE 1994).
- LOCATIONS OF CONDUITS, FOUNDATIONS, CONTROL CABINETS, POLES, PULL BOXES, MANHOLES, AND SPLICE CABINETS SHOWN ON THE PLANS ARE SCHEMATIC AND SHALL BE ADJUSTED IN THE FIELD TO MAXIMIZE CLEAR SPACE AVAILABLE FOR PEDESTRIANS AND WHEELCHAIRS TO COMPLY WITH THE AMERICANS WITH DISABILITIES ACT. THE CONTRACTOR SHALL MEET WITH THE CITY'S TRAFFIC ENGINEERING OPERATIONS PERSONNEL IN THE FIELD AT ALL LOCATIONS TO SPOT EQUIPMENT BEFORE BEGINNING THE WORK. ALL SUCH EQUIPMENT SHALL BE INSTALLED WITHIN THE RIGHT-OF-WAY.
- THE CONTRACTOR IS WARNED THAT EXISTING CONDUITS MAY CONTAIN AC POWER AND CAUTION SHALL BE EXERCISED IN INTERCEPTING OR INSTALLING CABLE IN EXISTING CONDUIT.
- THE CONTRACTOR SHALL BORE, DRILL, OR PUSH WHEN CROSSING EXISTING PAVEMENTS AND ANY DRIVEWAYS FOR SIDE STREET CROSSINGS. BEFORE CONDUIT CAN BE BORED, DRILLED, OR PUSHED THE CONTRACTOR SHALL LOCATE ALL EXISTING UTILITIES. THE CONTRACTOR SHALL LOCATE AND EXPOSE GAS LINES WHICH CROSS ANY PROPOSED BORES. THESE EXCAVATIONS SHALL REMAIN OPEN UNTIL AFTER THE BORE IS COMPLETE. CONTRACTOR SHALL REMOVE AND REPLACE IN KIND ANY SIDEWALK OR PAVEMENT REQUIRED TO EXPOSE SUCH LINES. THE CONTRACTOR MAY CUT, TRENCH, AND REPLACE EXISTING PAVEMENT ONLY WHEN APPROVED BY THE PROJECT MANAGER.
- SPLICING OF COMMUNICATIONS CABLE WILL NOT BE PERMITTED IN PULL BOXES. SPLICING OF COMMUNICATIONS CABLE (CONNECTIONS) WILL BE PERMITTED ONLY AT SPLICE CABINETS OR CONTROLLER CABINETS WITH SPLICE BARS. SPLICING OF TRAFFIC SIGNALS MCC WILL BE PERMITTED IN LARGE PULL BOXES INCLUDING LARGE MEDIAN PULL BOXES. SPLICING OF VIDEO DETECTION COAXIAL CABLE WILL NOT BE PERMITTED FROM THE MASTARM BASE TO THE CONTROLLER CABINET. SPLICING OF OPTICAL DETECTOR CABLE WILL NOT BE PERMITTED FROM THE DETECTOR TO THE CONTROLLER CABINET.
- ALL LOOP LEAD-IN CABLES SHALL BE TAGGED AT THE CONTROL CABINET TO IDENTIFY EACH CABLE BY PHASE AND LOOP NUMBER. ALL VIDEO DETECTION COAXIAL AND POWER CABLES SHALL BE TAGGED AT THE CONTROL CABINET TO IDENTIFY EACH CABLE BY CAMERA NUMBER AND LOCATION. ALL OPTICAL DETECTOR CABLE SHALL BE TAGGED AT THE CONTROL CABINET TO IDENTIFY EACH BY DIRECTION AND LOCATION.
- ALL PULL BOXES SHALL BE REINFORCED POLYMER MORTAR HEAVY DUTY TYPE WITH REINFORCED POLYMER MORTAR HEAVY DUTY COVERS. CONCRETE COVERS, STEEL COVERS, AND CONCRETE PULL BOXES WILL NOT BE ACCEPTABLE.
- THE CONTRACTOR SHALL NOTIFY THE CITY OF ALBUQUERQUE TRAFFIC ENGINEERING OPERATIONS(857-8000) THREE WORKING DAYS IN ADVANCE OF ANY ANTICIPATED WORK ON SIGNALS, LIGHTING, AND POWER SERVICES. TRAFFIC ENGINEERING OPERATIONS PERSONNEL WILL ASSIST THE CONTRACTOR IN FIELD LOCATION OF EQUIPMENT, COLOR CODING OF WIRING, AND MUST BE PRESENT WHEN SIGNALS AND LIGHTING ARE SHUT-OFF OR TURNED ON. THE CONTRACTOR SHALL ALSO NOTIFY THE CITY OF ALBUQUERQUE TRAFFIC ENGINEERING OPERATIONS EACH TIME A TRAFFIC SIGNAL CONTROL DOOR IS OPENED.
- THE CONTRACTOR SHALL NOTIFY PUBLIC SERVICE COMPANY 30 DAYS IN ADVANCE OF ANTICIPATED POWER SERVICE CONNECTIONS. THE CONTRACTOR SHALL COORDINATE WITH PUBLIC SERVICE COMPANY TO ESTABLISH ELECTRICAL SERVICE IN THE CITY'S NAME. THE CONTRACTOR SHALL PAY THE LOCAL POWER COMPANY ALL COSTS TO PROVIDE ELECTRICAL SERVICE. THIS WORK WILL BE CONSIDERED INCIDENTAL TO CONSTRUCTION.
- THE CONTRACTOR SHALL REMOVE ALL CONFLICTING SIGNING AND DELIVER TO THE CITY TRAFFIC ENGINEERING YARDS WHEN TRAFFIC SIGNALS ARE PUT INTO OPERATION.
- LIVE UNUSED CONDUCTORS WILL NOT BE ALLOWED AT MASTARM POLES AND PEDESTAL POLES. ALL SUCH UNUSED CONDUCTORS SHALL BE DISCONNECTED AT THE LARGE PULL BOX ADJACENT TO THE POLE.
- IF TRENCH WIDTHS LESS THAN 12" ARE PROPOSED BY THE CONTRACTOR, APPROVED COMPACTION METHODS SHALL BE USED DURING BACKFILL TO PREVENT LATENT TRENCH FAILURES. THE CONTRACTOR SHALL USE GROUT OR LEAN FILL AS APPROVED BY THE PROJECT MANAGER IN LIEU OF EARTH BACKFILL.
- FOR CONDUITS CONTAINING ONLY LOW VOLTAGE COMMUNICATIONS CABLES, THE REQUIREMENTS FOR A SINGLE CONDUCTOR BARE COPPER #8 AWG MAY BE WAIVED WHERE PERMITTED BY THE NATIONAL ELECTRIC CODE.
- THE CITY OF ALBUQUERQUE TRAFFIC ENGINEERING OPERATIONS PERSONNEL WILL PROVIDE TRAFFIC SIGNAL TIMING PLANS AND WILL PROGRAM TRAFFIC SIGNAL CONTROLLERS.
- EXISTING CONDUITS TO BE REMOVED OR ABANDONED SHALL HAVE ALL WIRING REMOVED.
- EXISTING CONDUITS SHALL BE REPAIRED, ADJUSTED, OR REPLACED AS DIRECTED BY THE PROJECT MANAGER WHERE ELECTRICAL PILLBOXES OR TRAFFIC MANHOLES ARE INSTALLED OR REPLACED.
- CONTRACTOR SHALL COIL EXCESS INTERCONNECT CABLE AT ALL NEW OR EXISTING TRAFFIC MANHOLES BETWEEN SPLICE CABINET OR CONTROL CABINETS WITH SPLICE BARS. IF MORE THAN ONE MANHOLE EXISTS BETWEEN SPLICE CABINETS OR CONTROL CABINETS WITH SPLICE BARS, THEN COILING IS ONLY REQUIRED AT ONE OF THE MANHOLES. THE FOLLOWING QUANTITIES OF COMMUNICATION CABLE SHALL BE COILED:
 - 12 PAIR - 50 FT.
 - 25 PAIR - 50 FT.
 - 50 PAIR - 25 FT.
 - 75 PAIR - 25 FT.
- THE CONTRACTOR SHALL PROVIDE OFF-DUTY POLICE OFFICERS TO DIRECT TRAFFIC WHEN SIGNALS ARE TURNED OFF.
- ALL DATA SHOWN HEREIN CONCERNING EXISTING UTILITIES HAS BEEN OBTAINED FROM "AS-BUILT" DRAWINGS AND FROM FIELD OBSERVATIONS WHICH MAY OR MAY NOT BE ACCURATE. THE CONTRACTOR WILL BE RESPONSIBLE FOR EXPLORATORY TRENCHING. IF NECESSARY, TO MORE SPECIFICALLY LOCATE UTILITY LINES. COST OF LOCATING UTILITY LINES INCLUDING EXPLORATORY TRENCHING WILL BE CONSIDERED INCIDENTAL TO CONSTRUCTION.
- THE CONTRACTOR SHALL VIDEO TAPE THE EXISTING TRAFFIC SIGNAL EQUIPMENT IN VHS FORMAT AND REVIEW THE TAPE WITH CITY OF ALBUQUERQUE TRAFFIC ENGINEERING OPERATIONS PERSONNEL PRIOR TO BEGINNING ANY REMOVALS OF SIGNAL EQUIPMENT. THE TAPE SHALL BECOME THE PROPERTY OF THE CITY AND MAY BE USED TO RESOLVE ANY QUESTIONS RELATED TO THE ORIGINAL CONDITION AND QUALITY OF EXISTING EQUIPMENT. THE EXISTING TRAFFIC SIGNAL EQUIPMENT INCLUDING POLES, CONTROLLER CABINETS, CONFLICT MONITORS, AND DETECTORS SHALL BE DELIVERED TO THE CITY OF ALBUQUERQUE TRAFFIC ENGINEERING YARD ON PINO ROAD NE.
- CABINET AND CONTROLLER NEED TO BE I.D.C. 820A.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COSTS OF ANY LINE SPOTTING.

INCIDENTAL ITEMS *

- REMOVAL OF EXISTING PULL BOXES, CONDUITS, OR OTHER SIGNAL EQUIPMENT FOR INSTALLATION OF NEW SIGNAL EQUIPMENT.
- CABLE TESTING AND DIAGRAMS.
- BORING, DRILLING, PUSHING, AND TRENCHING, INCLUDING REMOVAL AND REPLACEMENT OF PAVEMENT, SIDEWALKS, DRIVEPADS, VALLEY GUTTERS, WHEELCHAIR RAMPS, CURB & GUTTER, AND LANDSCAPING (INCLUDING SPRINKLERS), FOR INSTALLATION OF PULL BOXES, CONDUITS, AND SIGNAL FOUNDATIONS, EXCEPT AS NOTED ON THE PLANS.
- LOCATION OF UTILITY LINES INCLUDING EXPLORATORY TRENCHING AND EXPOSING OF GAS LINES WHEN BORING.
- DESIGN, MATERIALS, INSTALLATION AND REMOVAL OF SAFETY BARRIER FOR SHEILDING EQUIPMENT OR MATERIAL.
- APPRIISING PUBLIC THROUGH THE LOCAL NEWS MEDIA.
- HAULING OF MATERIAL TO BE DISPOSED TO CITY LANDFILL.
- REMOVAL, SALVAGE, AND TRANSPORTATION OF EXISTING SIGNAL EQUIPMENT TO THE CITY TRAFFIC ENGINEERING OPERATIONS YARD.
- LEAN FILL FOR CONDUIT TRENCHES.
- PULL BOX ADJUSTMENT TO GRADE.
- OFF-DUTY POLICE OFFICER FOR TRAFFIC CONTROL
- REMOVAL AND REPLACEMENT IN KIND OF BETTER OF LANDSCAPING INCLUDING SPRINKLERS, FOR INSTALLATION OF PULL BOXES, CONDUITS AND SIGNAL FOUNDATIONS.
- COST FOR PUBLIC SERVICE COMPANY TO PROVIDE ELECTRICAL SERVICE.

* ITEMS LISTED ARE ONLY A GENERAL DESCRIPTION OF THE REQUIRED WORK AND MATERIALS, AND MAY NOT BE COMPLETE. THIS LIST DOES NOT INCLUDE ANY INCIDENTAL WORK OR MATERIALS REQUIRED BY THE SPECIAL PROVISIONS SERIALS (STANDARD DETAILS), SUPPLEMENTAL SPECIFICATIONS, OR THE STANDARD SPECIFICATIONS.

TRAFFIC SIGNAL LEGEND

NEW	EXISTING	ITEM
		PULL BOX
		SERVICE POLE
		METER PEDESTAL
		CONTROLLER CABINET
		CONDUIT RUN (SIGNALS)
		CONDUIT RUN (INTERCONNECT)
		LOOP DETECTOR
		TRAFFIC SIGNAL PEDESTAL POLE
		CONDUIT RUN NUMBER (SIGNAL)
		CONDUIT RUN NUMBER (POWER SERVICE)
		CONDUIT RUN NUMBER (INTERCONNECT)
		CONDUIT RUN NUMBER (WARNING BEACON)
		TYPE II STANDARD WITH MASTARM, TRAFFIC SIGNAL, BACK PLATE, AND OPTICAL DETECTOR
		TRAFFIC SIGNAL, BACK PLATE, OPTICAL DETECTOR, LUMINAIRE, AND VIDEO CAMERA
		TRAFFIC SIGNAL, BACK PLATE, OPTICAL DETECTOR, LUMINAIRE, AND VIDEO CAMERA
		PEDESTRIAN PUSH BUTTON (MOUNTED TO SIDE OF POLE WHERE INDICATED)
		PEDESTRIAN SIGNALS (MOUNTED TO SIDE OF POLE WHERE INDICATED)
		SPLICE CABINET
		TRAFFIC MANHOLE
		VIDEO CAMERA

For Reference Only

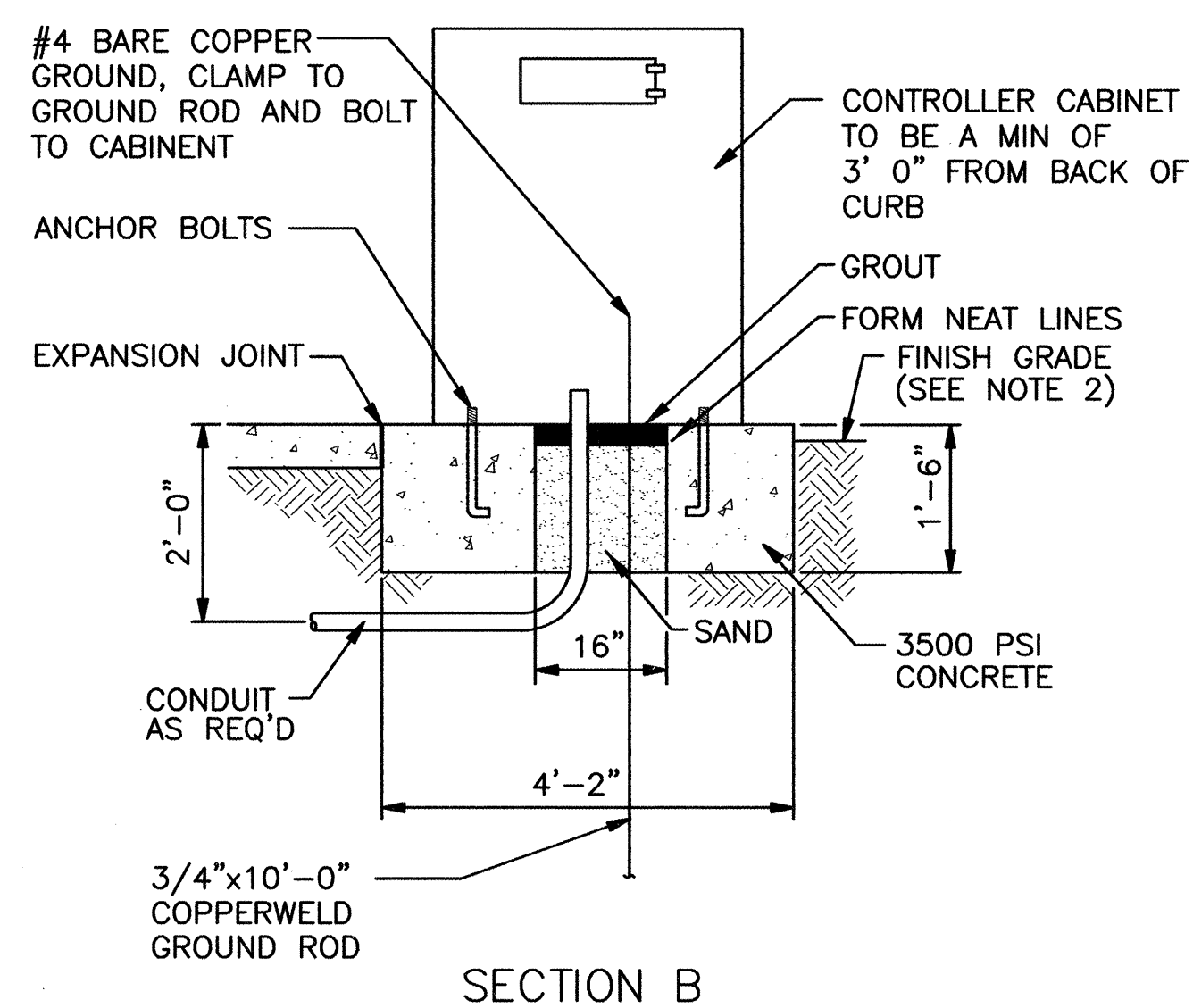
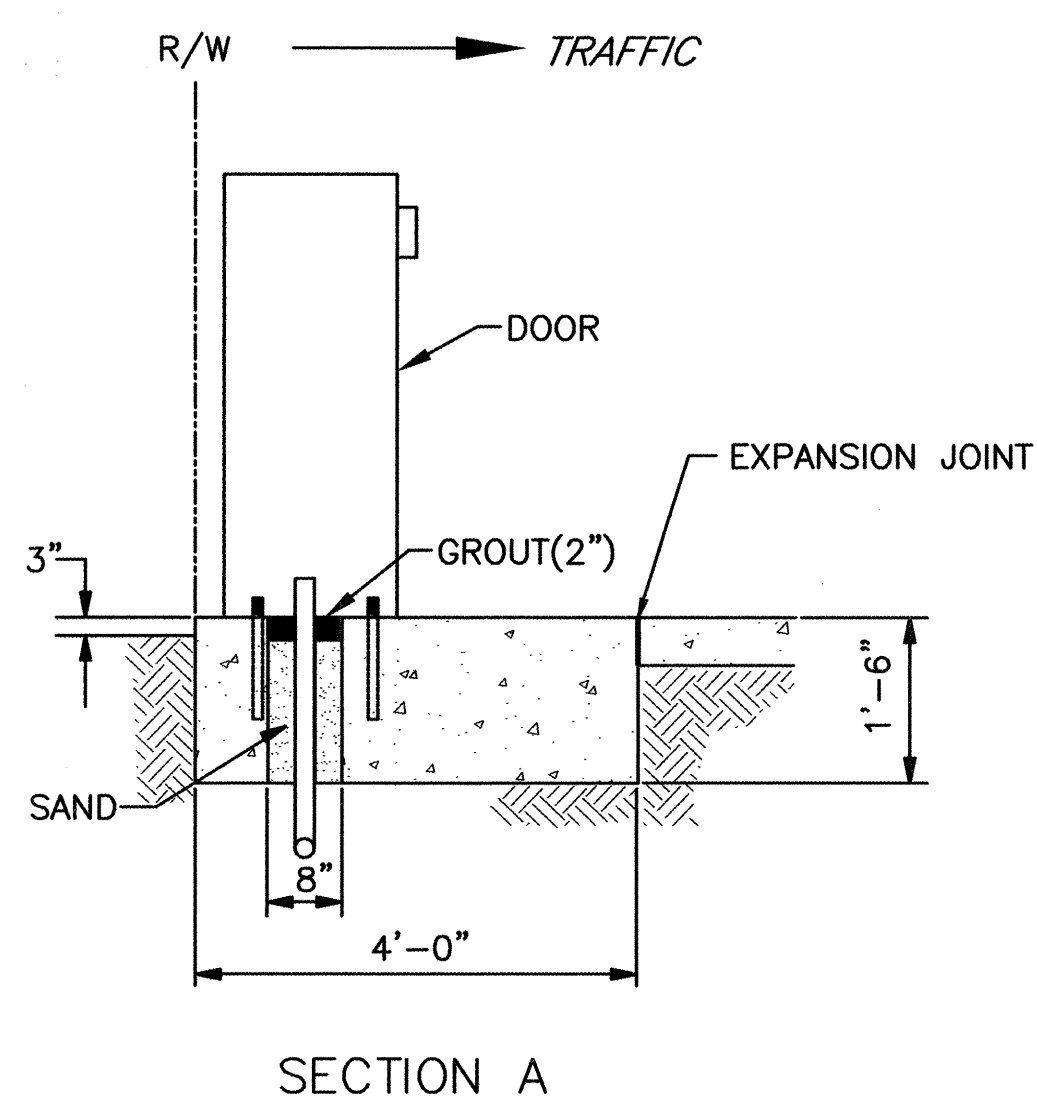
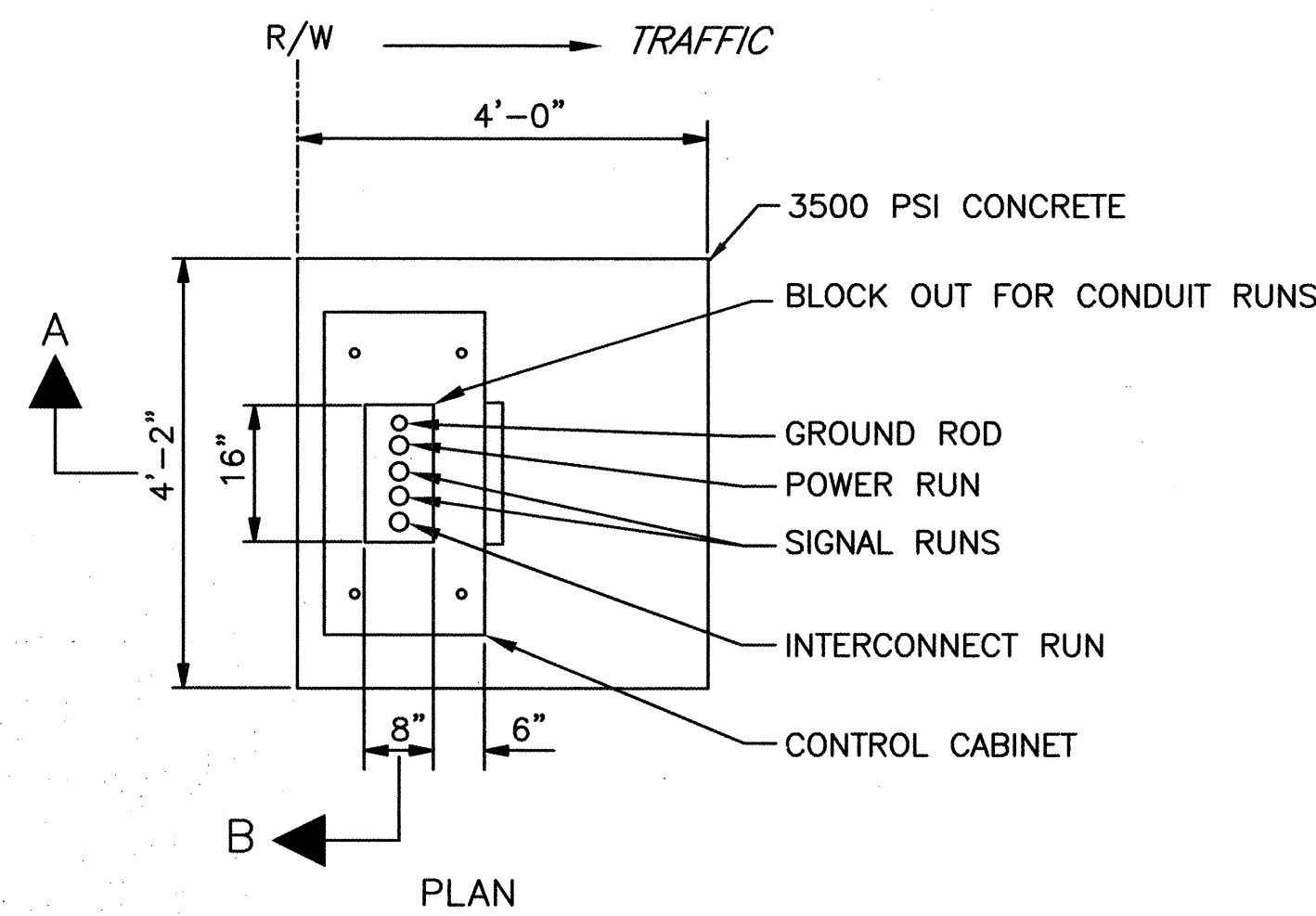
DEFINITIONS

- "ENGINEER" - FOR THE PURPOSES OF THIS PROJECT, THE TERM "ENGINEER" IS SYNONYMOUS WITH THE TERM "PROJECT MANAGER".

26 7148.81 0805

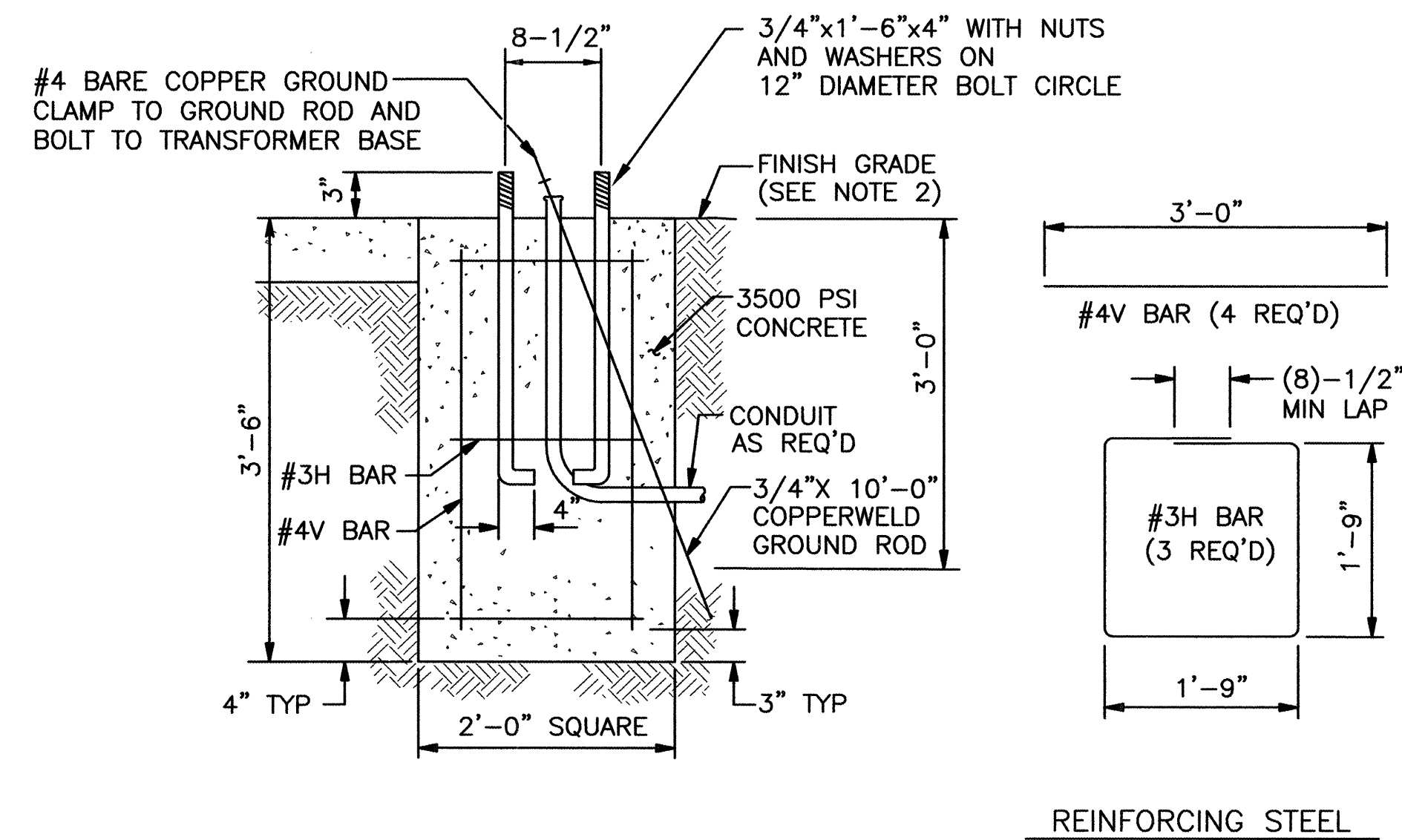
 8509 JEFFERSON NE ALBUQUERQUE, NEW MEXICO 87113 (505)858-3100	
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP	
TITLE: ALBUQUERQUE WAL-MART #850 SIGNAL IMPROVEMENTS NOTES AND LEGEND	
DESIGN REVIEW COMMITTEE 	CITY ENGINEER APPROVAL
DESIGNED BY RBB	DATE 05/03
DRAWN BY BDG	DATE 05/03
CHECKED BY RBB	DATE 05/03
CITY PROJECT NO. 714881	ZONE MAP NO. H-16-Z
SHEET 8 OF 14	

SCANNED BY
MESA REPRO

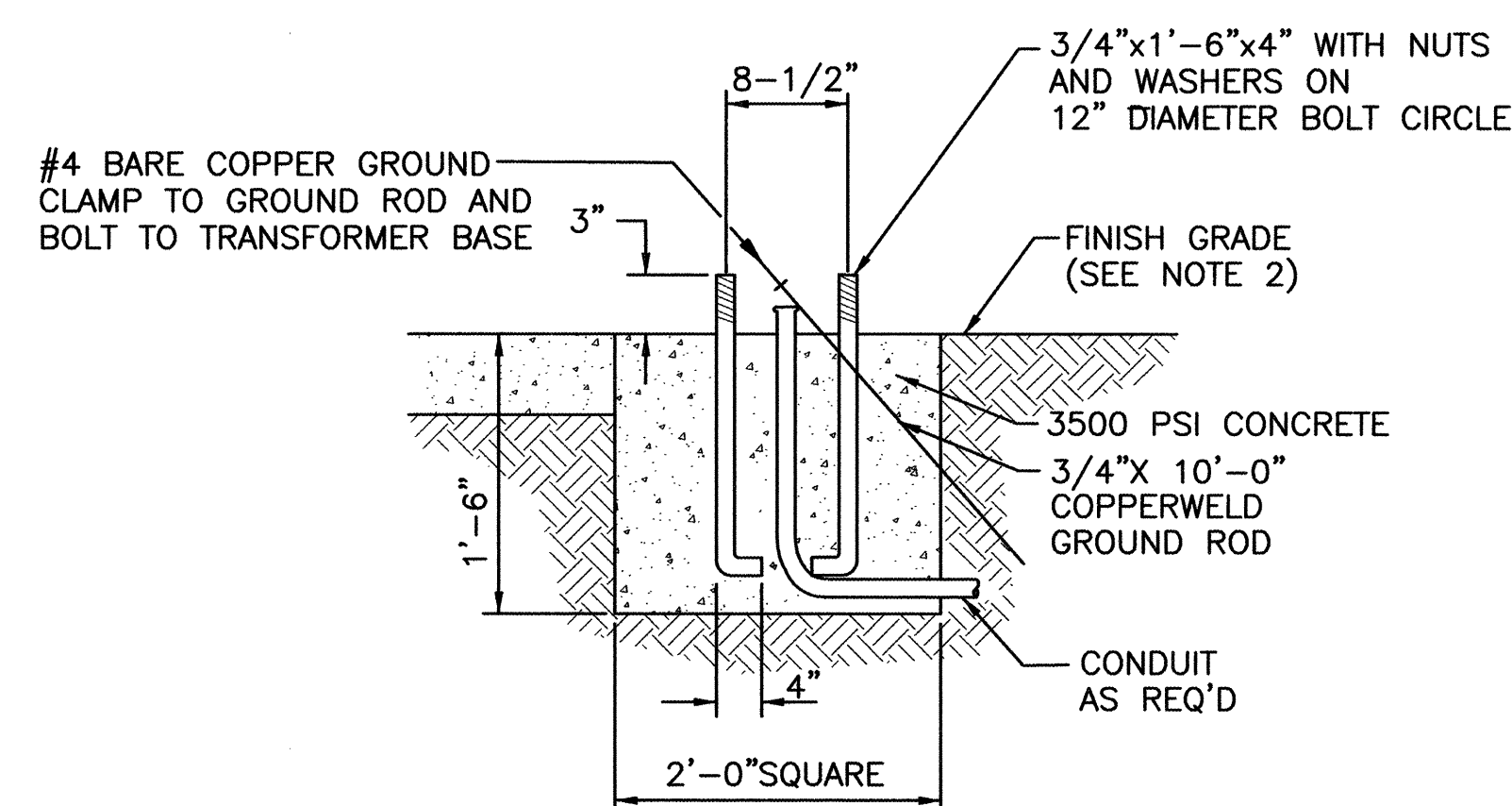


CONTROLLER FOUNDATION DETAIL

IN THE EVENT THE SUPPLIED CABINET WOULD OVERLAP THE SIDES OF ABOVE FOUNDATION, THE FOUNDATION SHALL BE INCREASED IN SIZE AS DIRECTED BY THE ENGINEER.



PEDESTAL FOUNDATION DETAIL



SPLICE CABINET FOUNDATION DETAIL

- TRAFFIC SIGNAL FOUNDATION NOTES

1. ALL FOUNDATIONS SHALL INCLUDE COPPERWELDED GROUND RODS. ALL GROUND RODS SHALL BE 3/4"X10' 0" AND WILL BE CONSIDERED INCIDENTAL TO THE FOUNDATION BID ITEMS.
2. FINISHED GRADE FOR ALL FOUNDATIONS TO BE DETERMINED IN THE FIELD BY THE PROJECT ENGINEER. FOUNDATIONS MAY BE SLOPED TO MATCH SIDEWALKS. SLOPES SHALL CONFORM TO THE AMERICANS WITH DISABILITIES ACT REQUIREMENTS.

ESTIMATED QUANTITIES

FOUNDATION TYPE	3500 PSI CONCRETE CU YD	REINFORCING BARS POUNDS
PEDESTAL FOUNDATION	0.52	17
CONTROLLER FOUNDATION (TYPE M & P)	0.88	--
SPLICE CABINET FOUNDATION	0.13	--

(FOR CONTRACTORS INFORMATION ONLY)

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
NO.	DATE	REMARKS	BY	FIELD NOTES	A.C.S. MONUMENT	CONTRACTOR	
					A.C.S. MONUMENT "11-H17"	JAYNES CORP	2008/4/6
					STANDARD A.C.S. ALUMINUM CAP	WORK INSPECTED BY	PRECISION SURVEYING DATE 2003/4/5
					NM STATE PLANE COORDINATES	INSPECTOR'S ACCEPTANCE BY	COA/TERRA WEST DATE 2003/4/5
					(CENTRAL ZONE-N.A.D. 1927)	FIELD VERIFICATION BY	DATE 2003/4/5
					X=394,304.10	DRAWINGS CORRECTED BY	DATE 2003/4/5
					Y=1,495,131.5	MICRO-FILM INFORMATION	
					GROUND TO GRID FACTOR=0.99966699	RECORDED BY	DATE
					DELTA ALPHA ANGLE=-012'12"	NO.	

DESIGNED BY RRB

DRAWN BY BDG

DATE 05/03

DATE 05/03

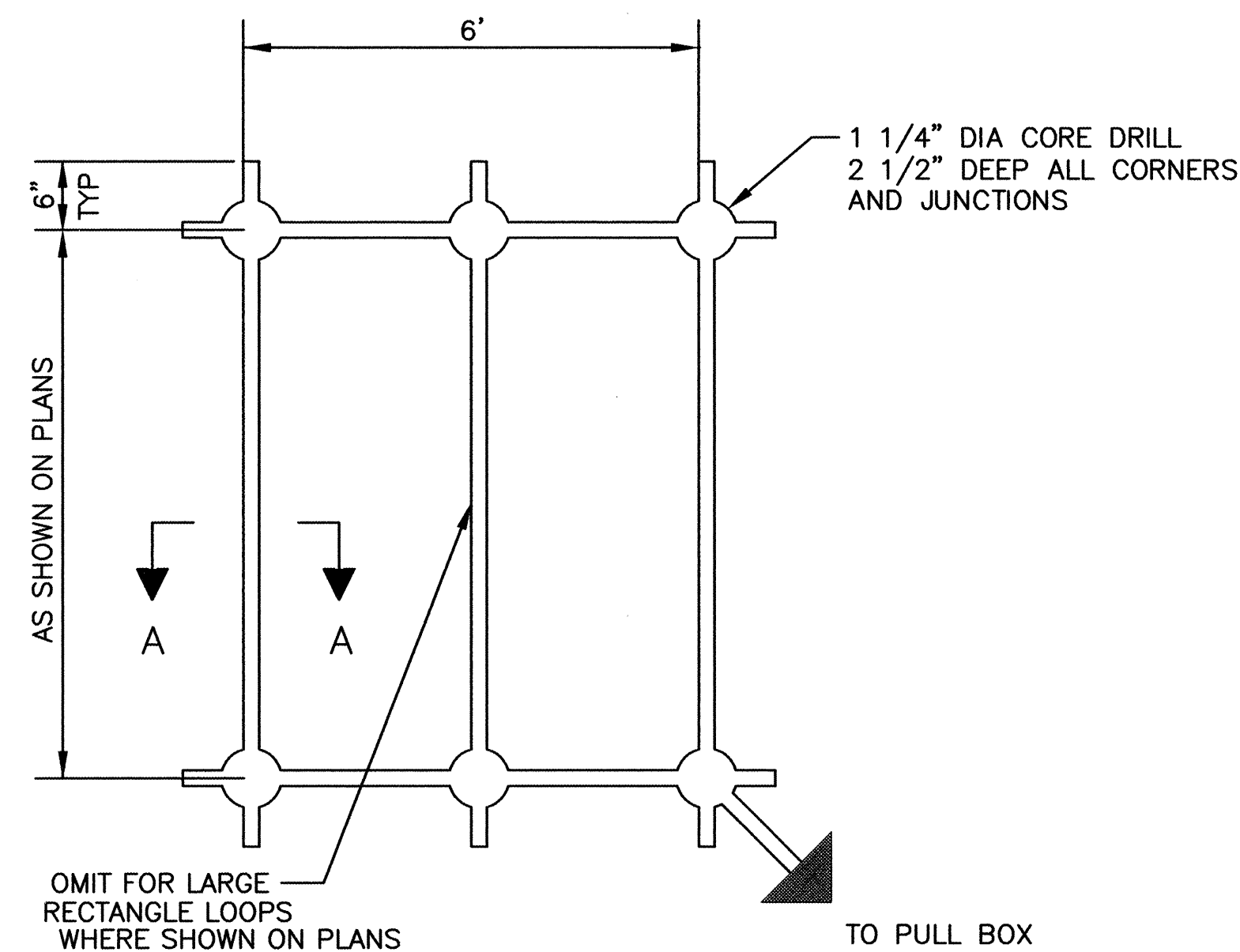
FOUNDATION DETAILS

MO./DAY/YR.	MO./DAY/YR.

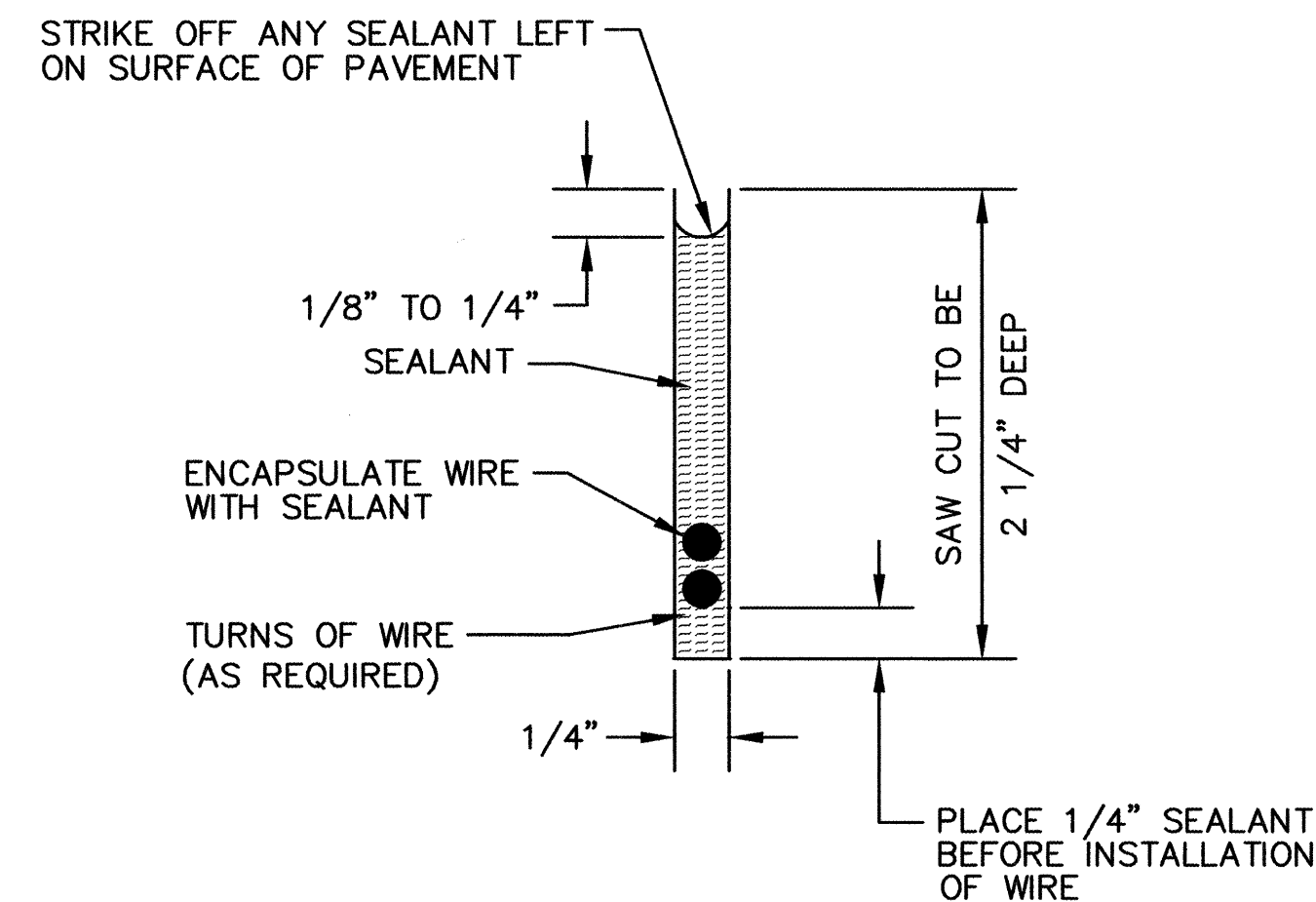
SHEET

9 OF 14

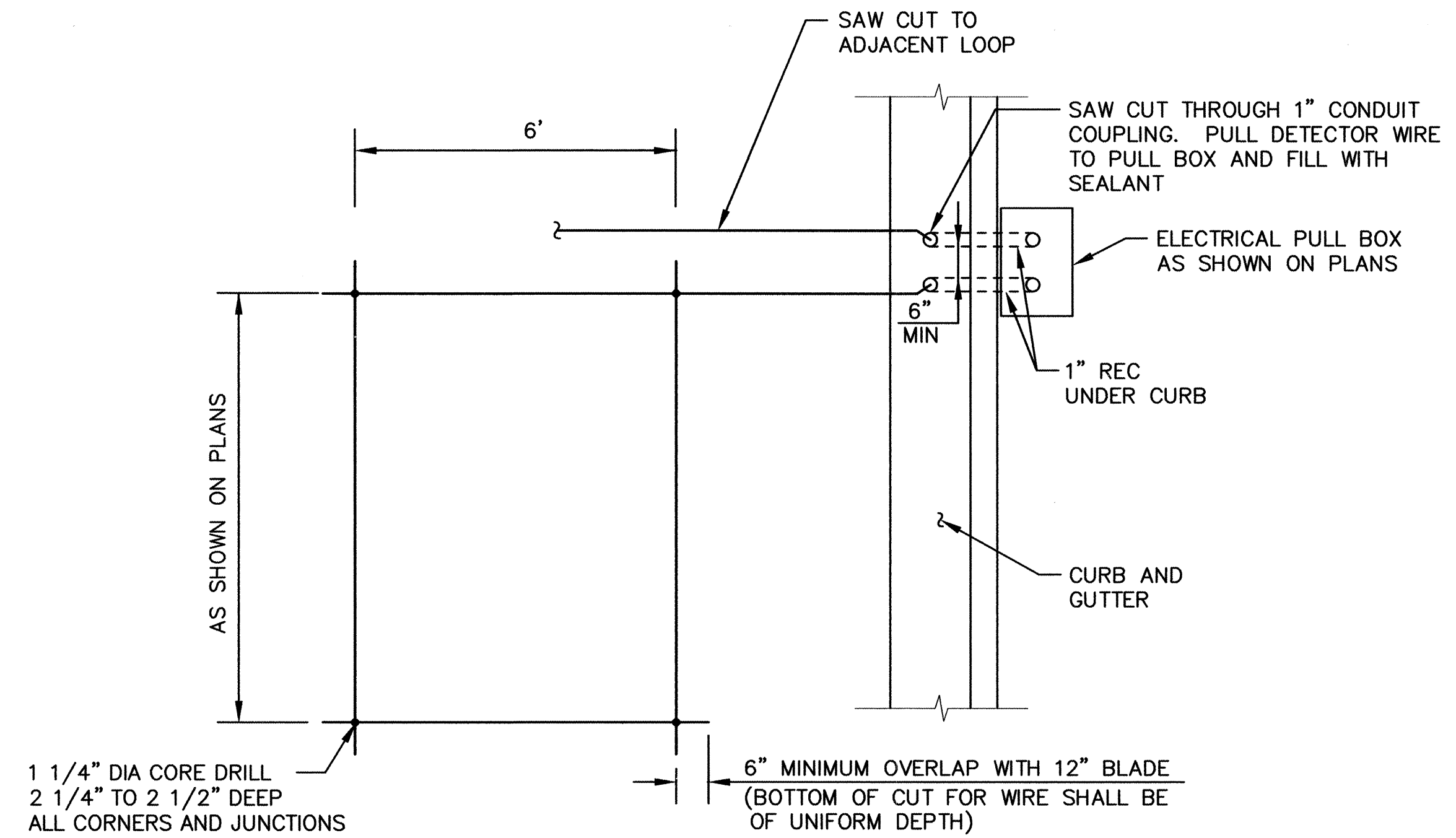
SCANNED BY
MESA REPRO



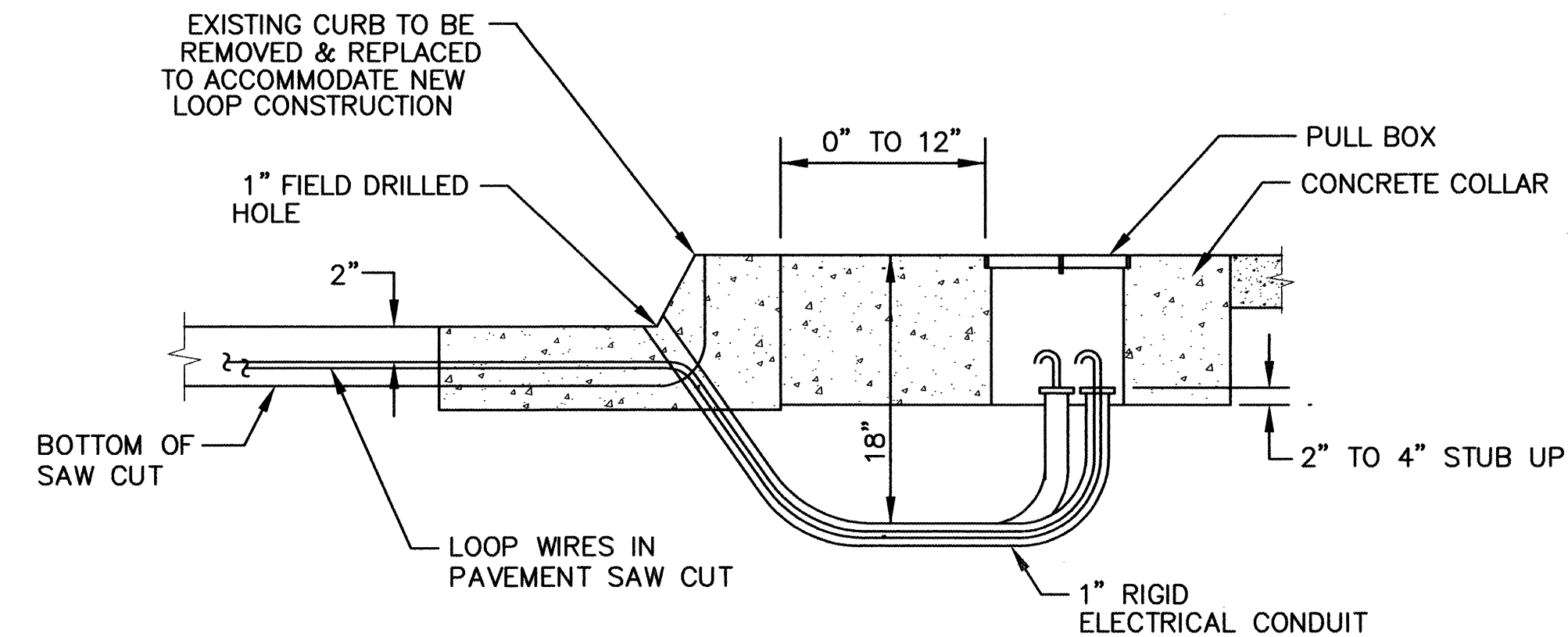
PLAN VIEW



SECTION A-A

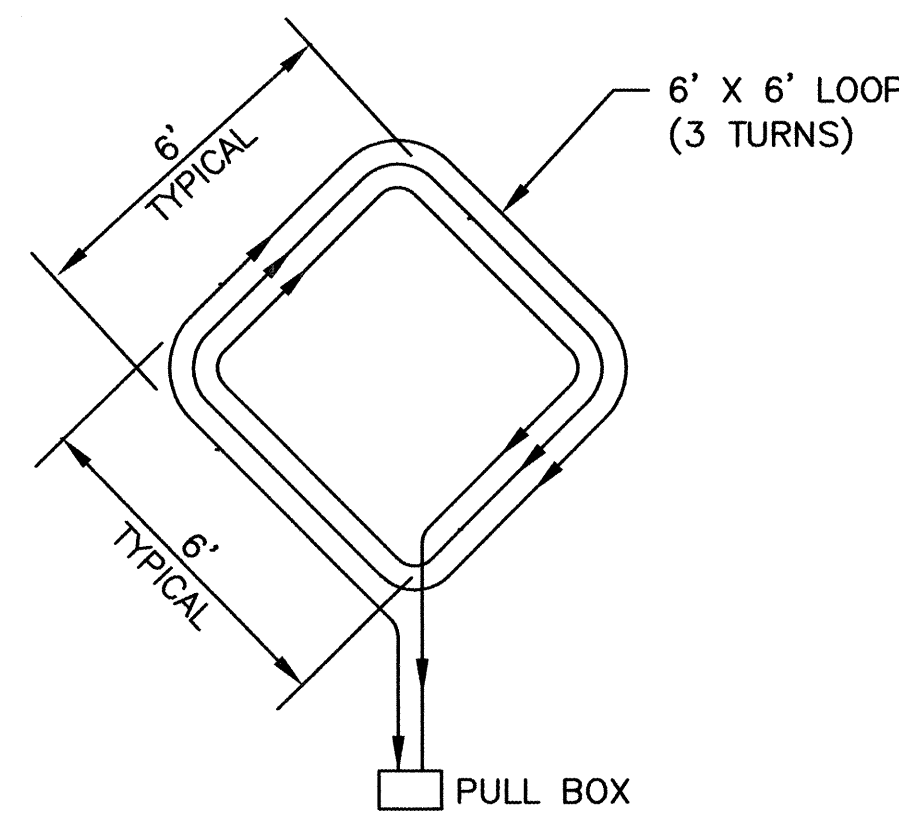


PLAN VIEW

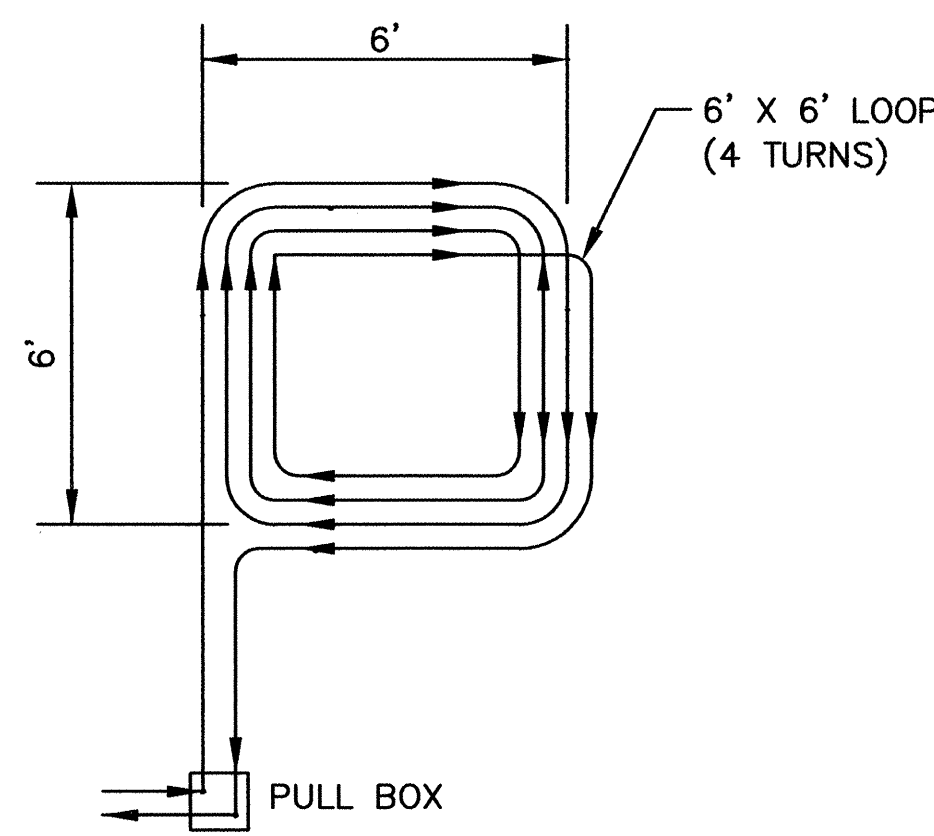


SECTION

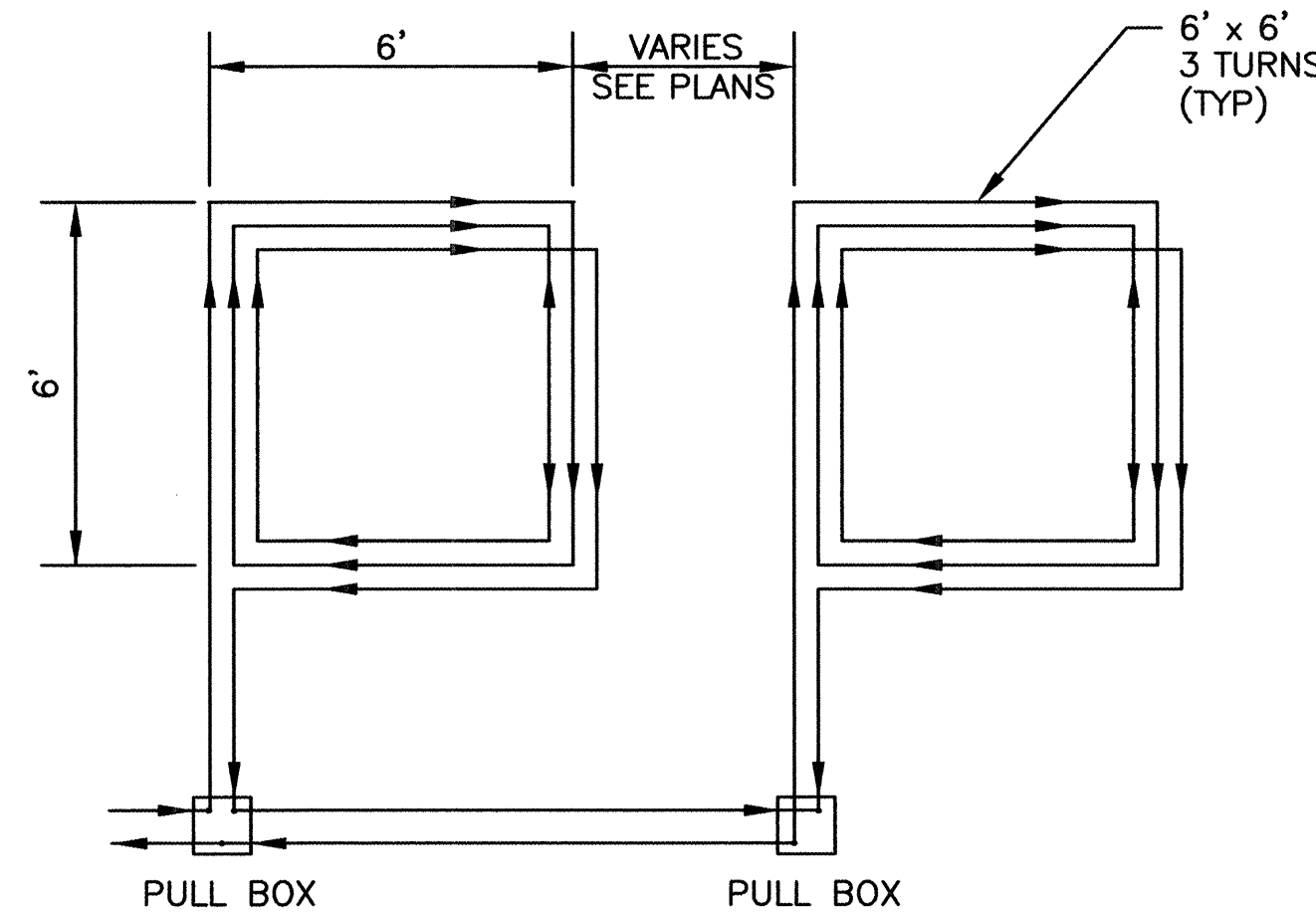
LOOP WIRE TERMINATION DETAILS



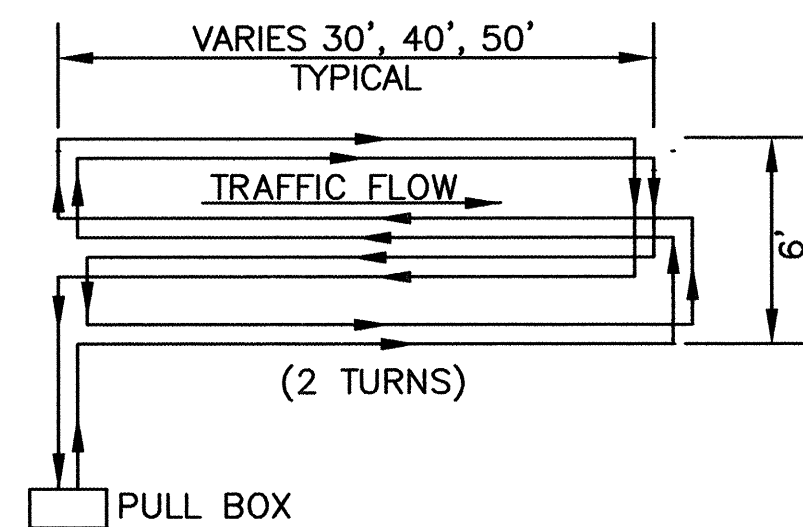
EXTEND CALL LOOP WIRING DETAIL



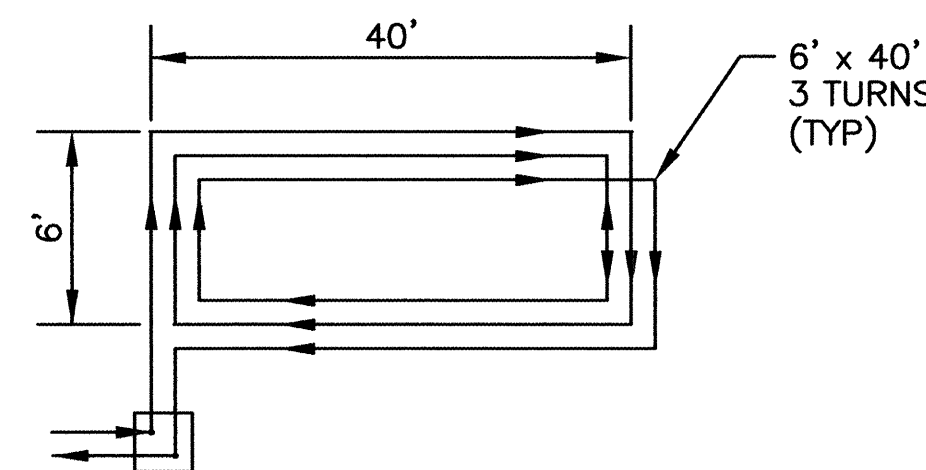
SYSTEM LOOP WIRING DETAIL



SERIES LOOP WIRING DETAIL



QUADRUPOLE LOOP WIRING DETAIL



LARGE RECTANGULAR LOOP WIRING DETAIL

NOTES

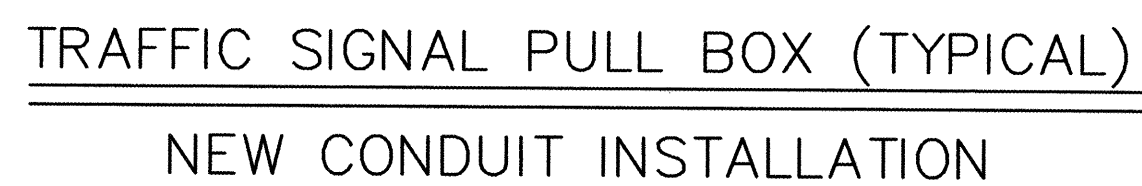
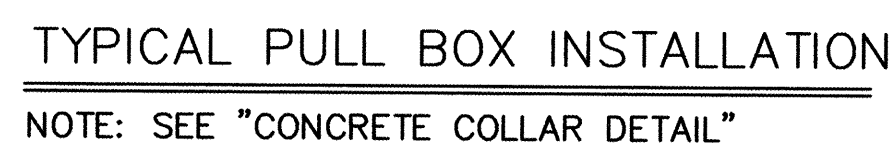
1. WIRES MUST BE WOUND IN THE DIRECTION SHOWN.
2. QUADRUPOLE LOOPS SHALL HAVE 2 TURNS.
3. EXTEND CALL LOOPS SHALL HAVE 3 TURNS.
4. SYSTEM DETECTOR LOOPS SHALL HAVE 4 TURNS.
5. LARGE RECTANGLE LOOPS SHALL HAVE 3 TURNS.

LOOP DETECTOR NOTES

1. ALL LOOP DETECTOR WIRE SHALL BE #14 AWG STRANDED COPPER WIRE WITH CROSS-LINKED POLYETHYLENE INSULATION (INDUSTRY TYPE XHHW) CONFORMING TO THE REQUIREMENTS OF IMSA SPECIFICATIONS #51-3 1984. BACKER ROD SHALL NOT BE USED IN THE INSTALLATION OF LOOP (EXCEPT PIECES LESS THAN 12" WHICH MAY BE PLACED OVER THE WIRE AT THE SAW CUT CORNERS TO HOLD THE WIRE. A 1/4" LAYER OF SEALANT SHALL BE PLACED IN THE SAW CUT BEFORE PLACEMENT OF THE WIRE AND THEN THE WIRE SHALL BE ENCAPSULATED WITH SEALANT. HOT-MELT RUBBERIZED ASPHALT LOOP DETECTOR SEALANT MANUFACTURED BY CRAFCO SHALL AN ACCEPTABLE SEALANT ALTERNATE.
2. ALL LOOP LEAD IN CABLES SHALL BE TAGGED AT CABINET TO IDENTIFY. EACH CABLE BY LOOP AND PHASE NUMBER.
3. GROUND LOOP LEAD IN CABLE SHIELDING IN CONTROL CABINET.
4. SEPARATE 1" RIGID ELECTRICAL CONDUITS ARE REQUIRED FOR EACH PAIR OF DETECTOR WIRES.

For Reference Only

TIERRA WEST, LLC 8509 JEFFERSON NE ALBUQUERQUE, NEW MEXICO 87113 (505)858-3100	
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP	
TITLE: ALBUQUERQUE WAL-MART #850 SIGNAL IMPROVEMENTS LOOP DETECTOR DETAILS	
DESIGN REVIEW COMMITTEE OCT 20 2003	CITY ENGINEER APPROVAL OCT 28 2003
LAST DESIGN UPDATE	MO./DAY/YR.
CITY PROJECT NO. 714881	ZONE MAP NO. H-16-Z
SHEET 10	OF 14

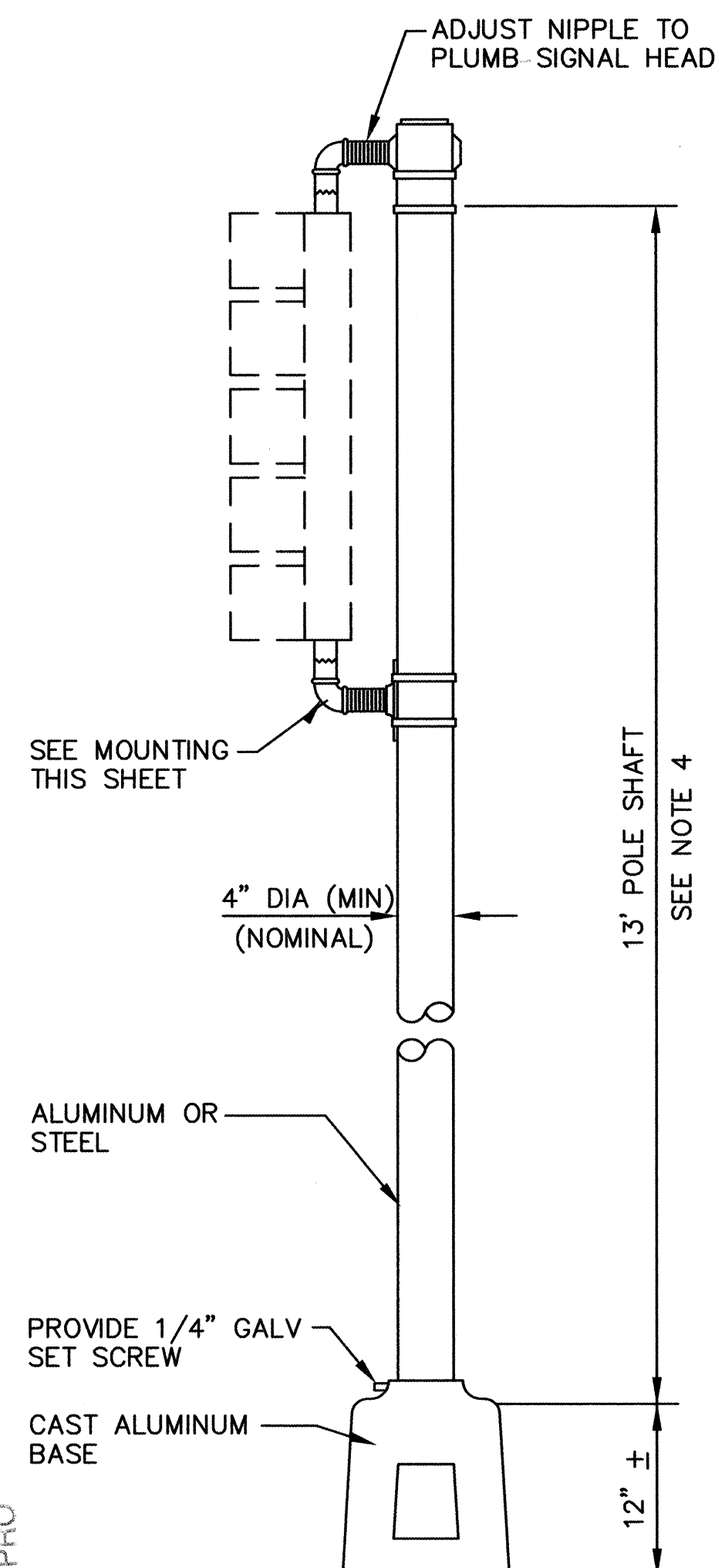


1. MATERIAL TO BE AN AGGREGATE CONSISTING OF SAND AND GRAVEL BOUND TOGETHER WITH A POLYMER AND REINFORCED WITH CONTINUOUS WOVEN GLASS STRANDS. THE MATERIAL MUST HAVE THE FOLLOWING MECHANICAL PROPERTIES: COMPRESSIVE STRENGTH - 11,000 PSI, TENSILE STRENGTH - 1,700 PSI, FLEXURAL STRENGTH - 7,500 PSI.
2. ALL PULL BOX COVERS SHALL BE HEAVY DUTY REINFORCED POLYMER MORTAR, HAVING A SERVICE LOAD OF 22,568 LBS OVER 10" SQUARE (225 PSI).
3. PULL BOX TYPE AND LOGO SHALL BE APPROVED BY THE PROJECT MANAGER.
4. THE DIMENSIONS OF THE PULL BOXES SHOWN ARE NOMINAL DIMENSIONS AND MAY VARY AS TO THE MANUFACTURER'S RECOMMENDATIONS. ALL DIMENSIONS SHALL BE VERIFIED BY THE PROJECT MANAGER.
5. ELECTRICAL PULL BOX (STANDARD) SHALL BE A HEAVY DUTY REINFORCED POLYMER MORTAR PULL BOX AND COVER MEASURING 13 3/4" x 23 1/4" x 2".

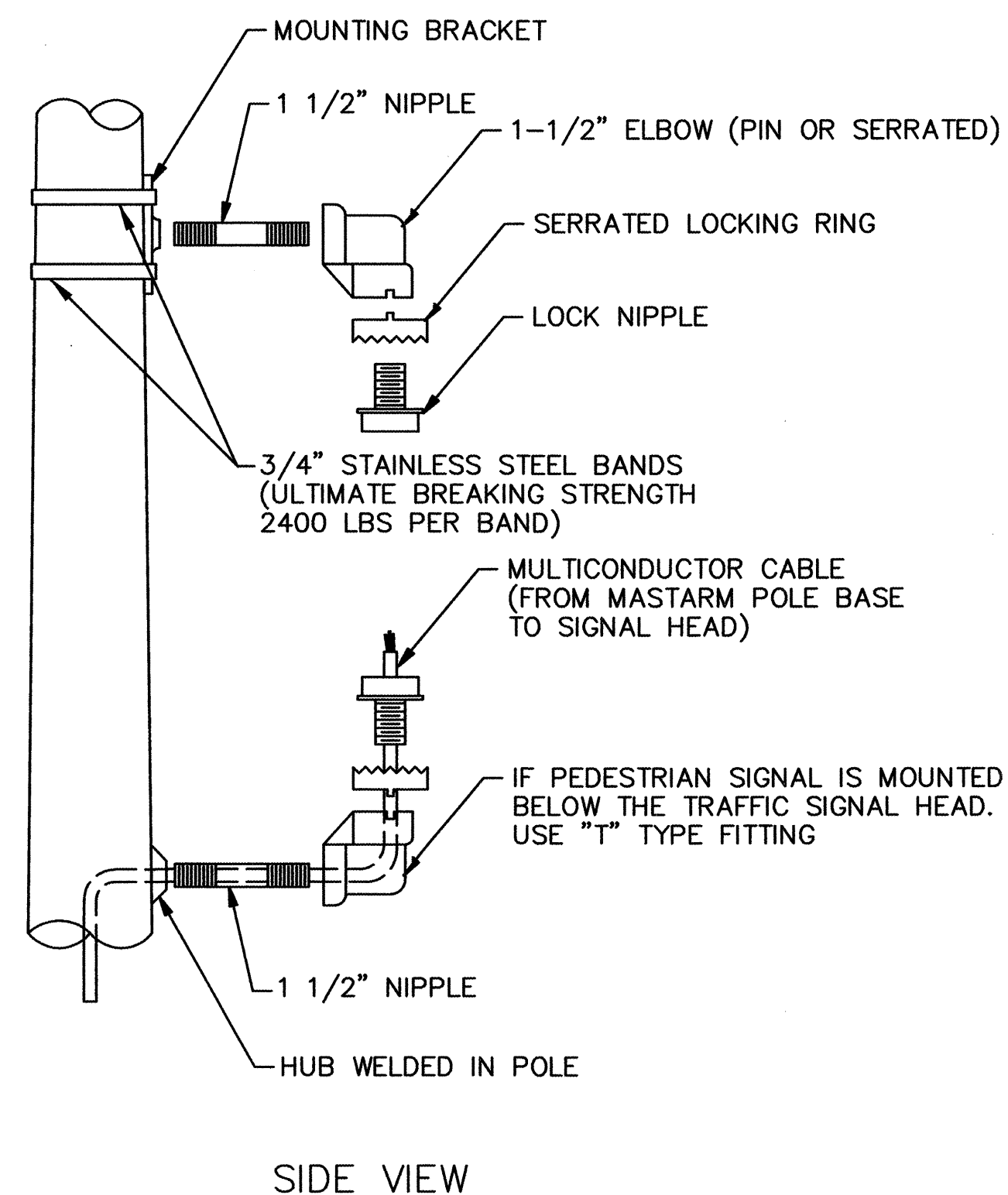
TERRA WEST, LLC 8509 JEFFERSON NE ALBUQUERQUE, NEW MEXICO 87113 (505)858-3100											
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP											
TITLE: ALBUQUERQUE WAL-MART #850 PAVING IMPROVEMENTS PULL BOX DETAILS											
DESIGN REVIEW COMMITTEE		CITY ENGINEER APPROVAL		LAST DESIGN UPDATE	MO./DAY/YR.		MO./DAY/YR.				
OCT 20 2003		OCT 28 2003									
CITY PROJECT NO.		714881		ZONE MAP NO. H-16-Z		SHEET		11		OF 14	

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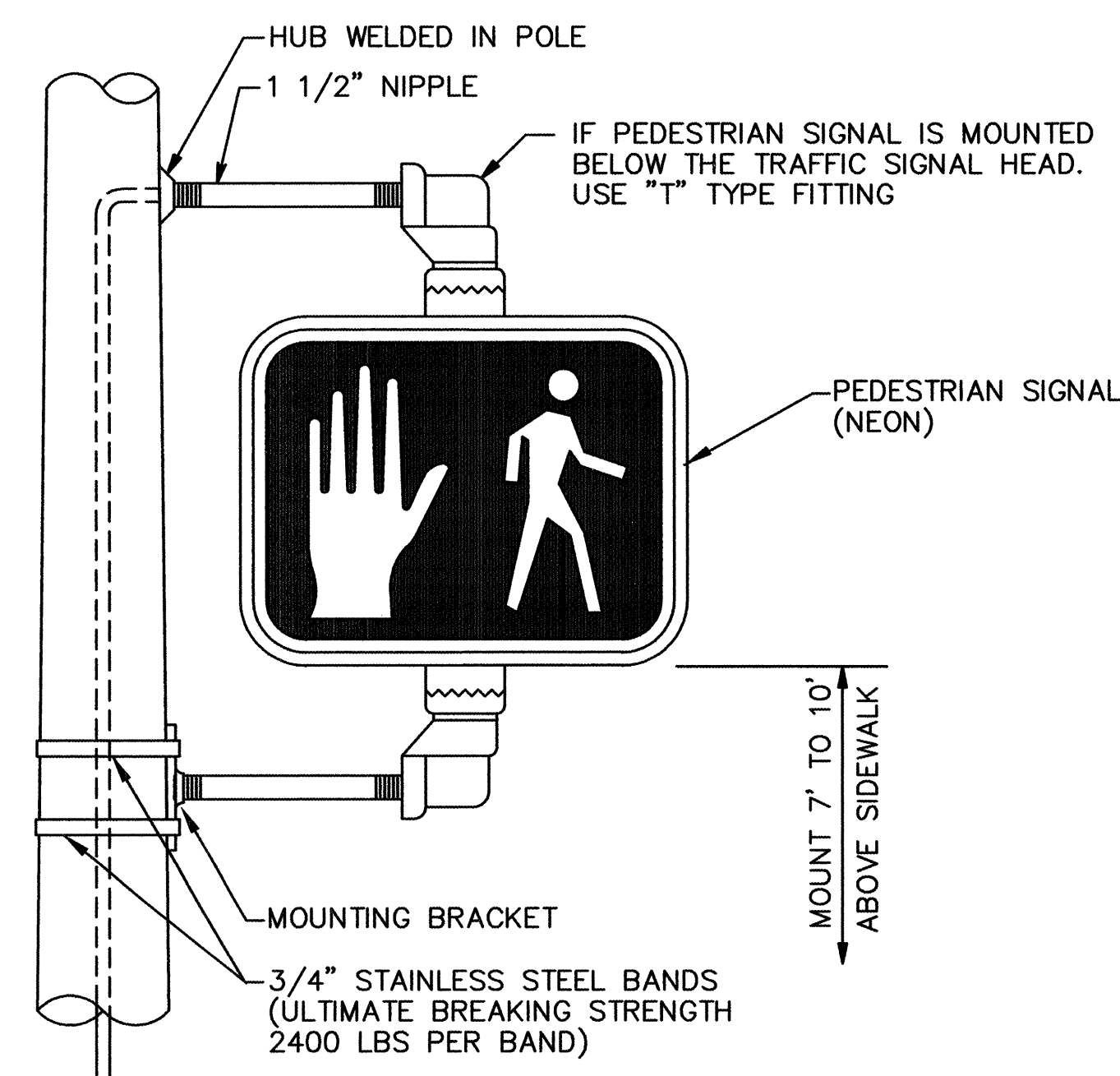
SCANNED BY
MESA REPRO



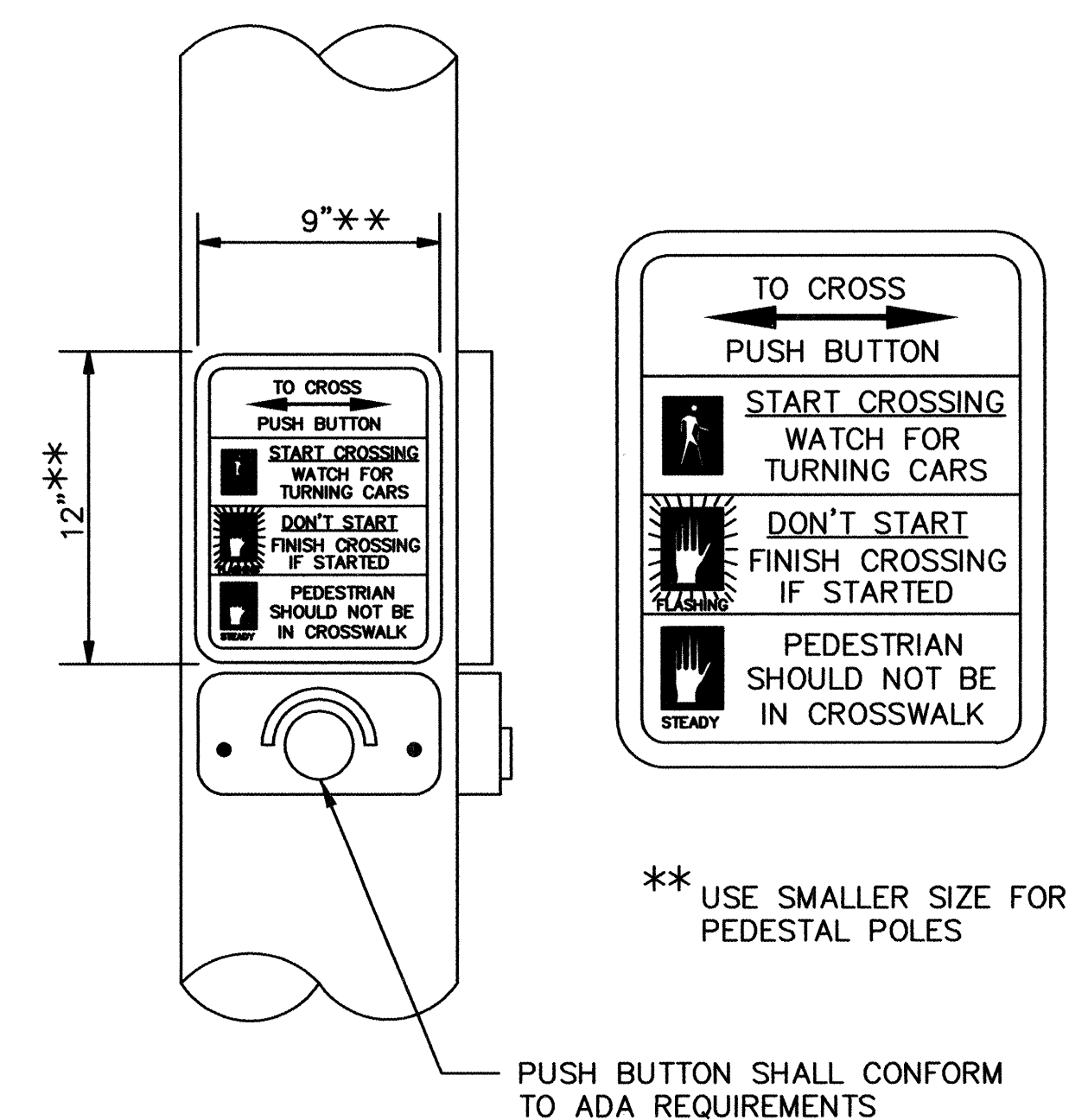
PEDESTAL POLE DETAILS



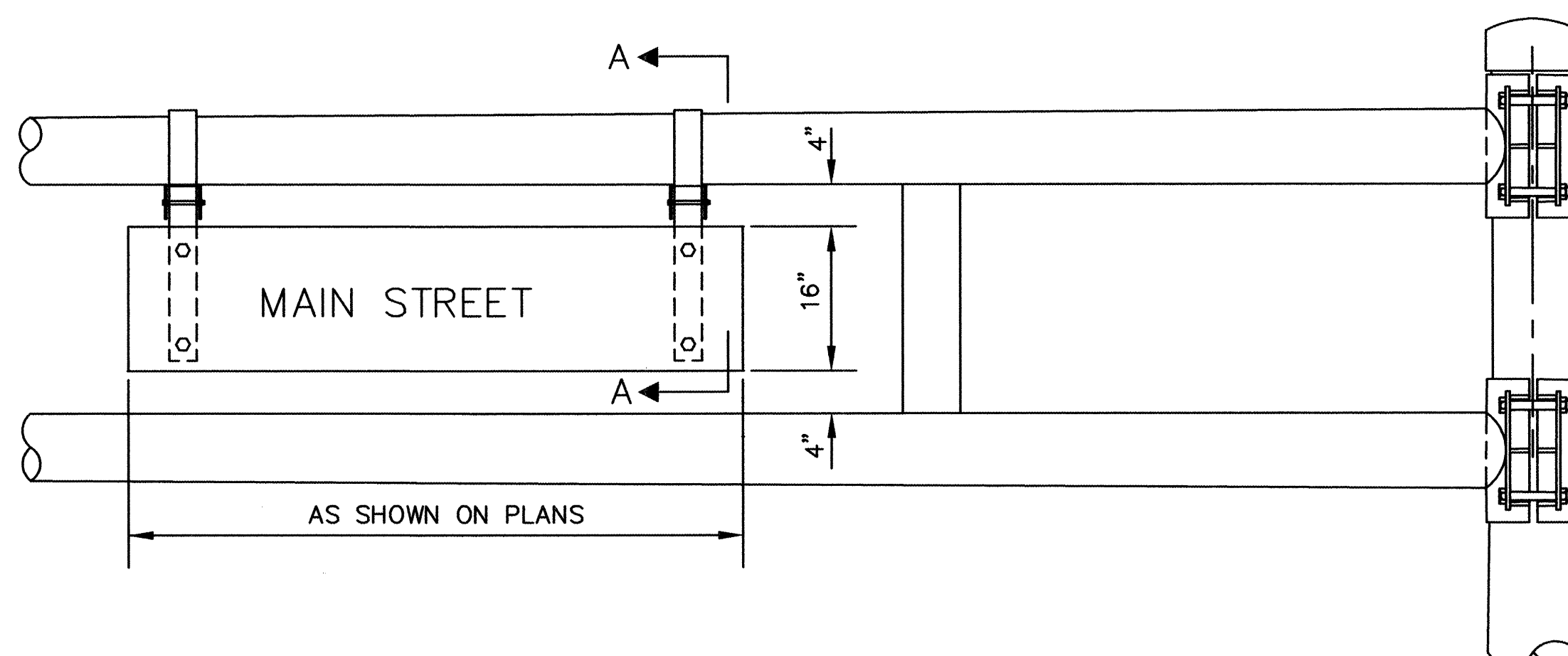
MOUNTING DETAIL



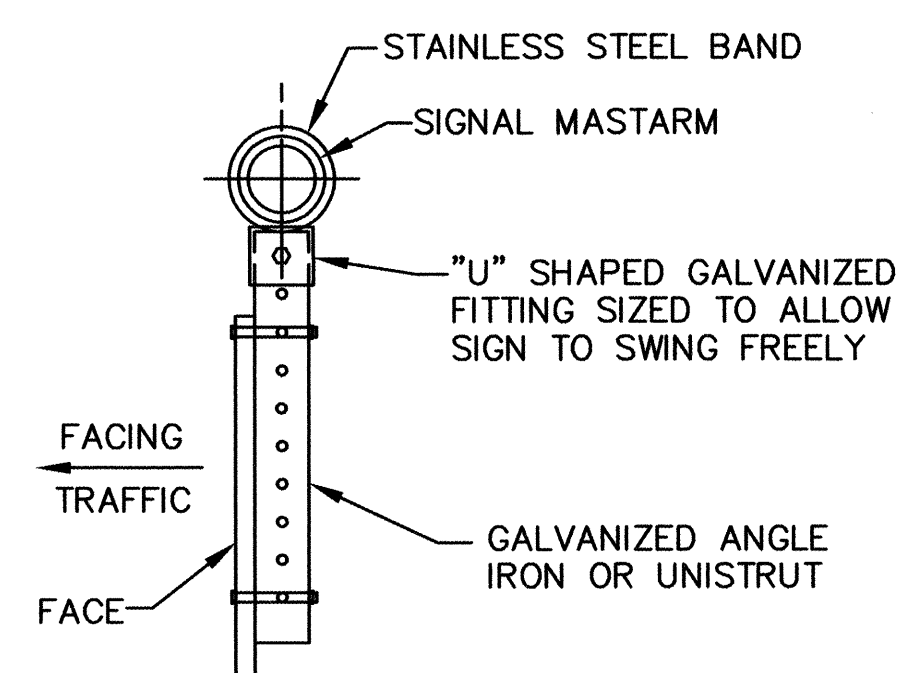
PEDESTRIAN SIGNAL DETAILS



PUSH BUTTON DETAIL



STREET NAME SIGN DETAILS



SECTION "A-A"

FINISH:

☐	GALVANIZED
☐	POWDER COATED
COLOR _____	

For Reference Only

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

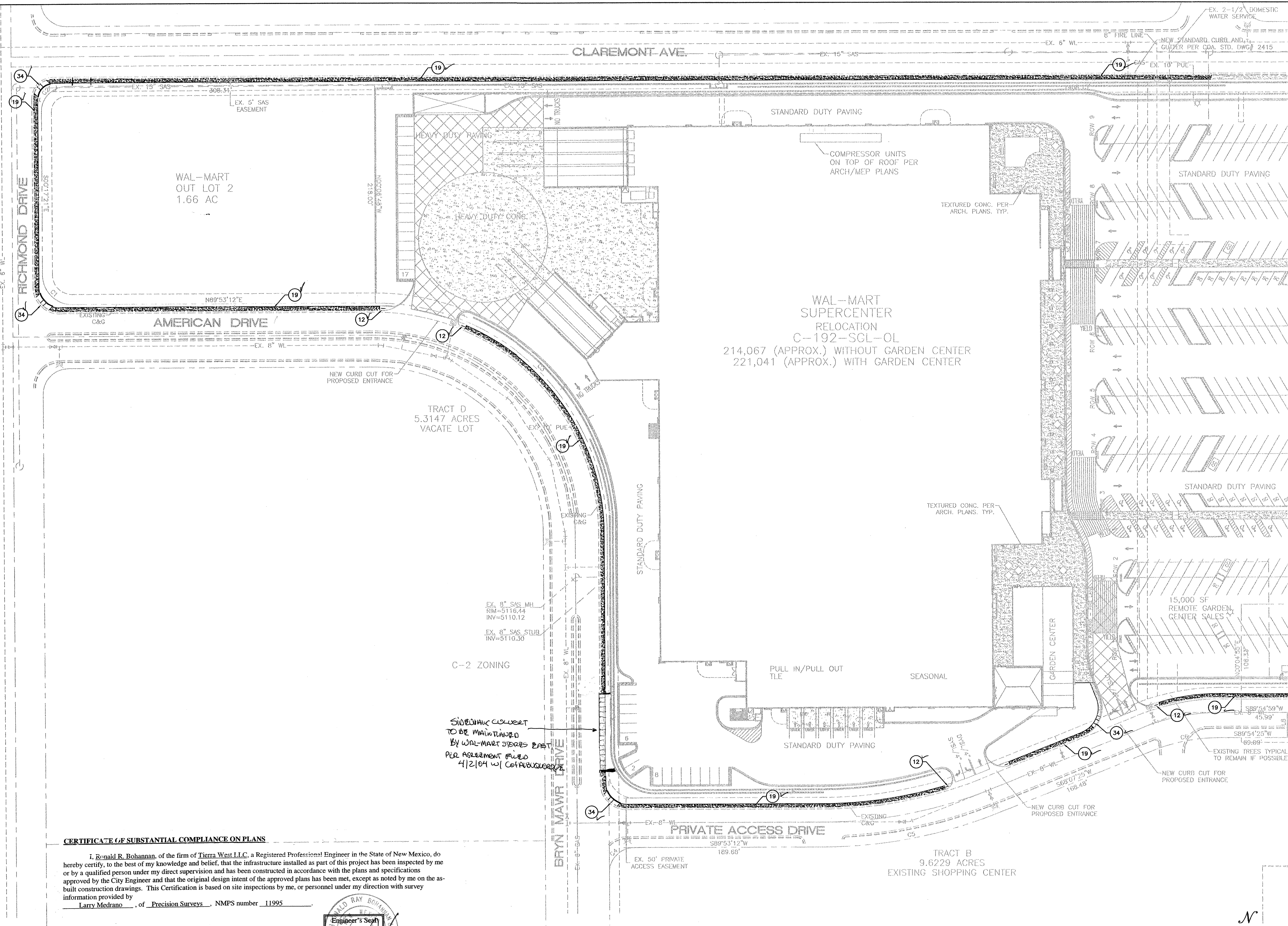
TITLE: **ALBUQUERQUE WAL-MART #850**
PAVING IMPROVEMENTS
MISCELLANEOUS DETAILS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
OCT 20 2003	OCT 28 2003			
CITY PROJECT NO. 714801	ZONE MAP NO. H-16-7	SHEET 12	OF 14	

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SCANNED BY
MESA REPRO

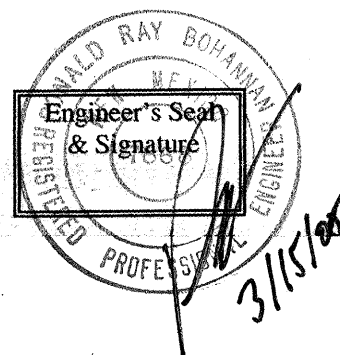


MATCHLINE
SEE SHEET 2

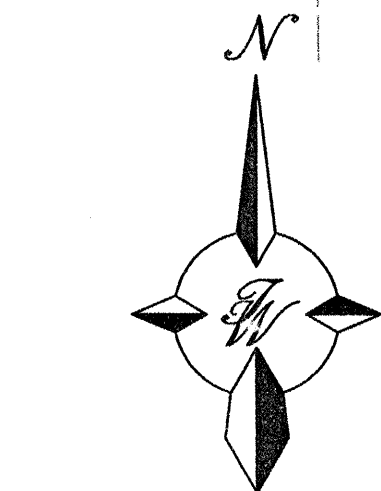
- LEGEND**
- EXISTING CURB & GUTTER
 - BOUNDARY LINE
 - EASEMENT
 - PROPOSED EASEMENT
 - PROPOSED SCREEN WALL
 - PROPOSED RETAINING WALL
 - PROPOSED SIDEWALK
 - PROPOSED BOLLARD
 - PROPOSED PEDESTRIAN CROSSWALK
 - PROPOSED CART CORRALS
 - ASSOCIATE PARKING AREA
 - HEAVY DUTY PAVING
 - HEAVY DUTY CONCRETE
 - BIKE RACK
 - BIKE LOCKER

CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

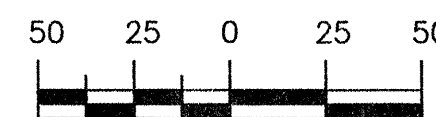
I, Ronald R. Bohannon, of the firm of Tierra West LLC, a Registered Professional Engineer in the State of New Mexico, do hereby certify, to the best of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct 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 11995.



- SITE LEGEND**
- 12 UNIDIRECTIONAL HC RAMP PER COA STD DWG #2426
 - 19 4' CONCRETE SIDEWALK TYPICAL PER COA STD DWG #2430
 - 34 PROPOSED HC RAMP PER COA STD DWG #2441



GRAPHIC SCALE



SCALE: 1"=50'

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL		REVISIONS		DESIGN	
CONTRACTOR	JAMES CORP	AC.S. MONUMENT	"11-H17"	DATE	BY	SEAL	BY	NO.	DATE	DESIGNED BY:	BDG
WORK	PRECISION SURVEYING	STANDARD A.C.S. ALUMINUM CAP								DRAWN BY:	WP
STARTED BY	CONTRIERA WEST	NM STATE PLANE COORDINATES								DRAWN NAME:	2175-SWEXH-6-12-03.DWG
DATE	2003/4/4	(CENTRAL ZONE-N.A.D. 1927)								CHECKED BY:	SL
FIELD ACCEPTANCE BY	CONTRIERA WEST	X=394,304.10									
DATE	2003/4/4	Y=1,495,131.5									
DRAWINGS CORRECTED BY	TIERRA WEST	GROUND TO GRID FACTOR=0.99986699									
DATE	2003/4/4	DELTA ALPHA ANGLE=-0.1212"									
MICRO-FILM INFORMATION		EL=5140.36 195-NGVD 1929									
RECORDED BY											
NO.											

26 3148.8113805

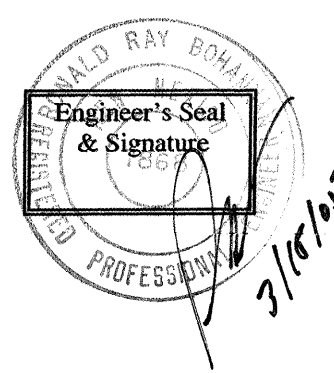
TIERRA WEST, LLC
8509 JEFFERSON NE
ALBUQUERQUE, NEW MEXICO 87113
(505)858-3100

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP	
TITLE: ALBUQUERQUE WAL-MART NM-850-03 SW IMPROVEMENTS FOR CARLISLE, CLAREMONT, RICHMOND, BRYN MAWR, AMERICAN & A PRIVATE ACCESS DRIVE	
DESIGN REVIEW COMMITTEE APPROVED APR 15 2004 DESIGN COMMITTEE	CITY ENGINEER APPROVAL APR 15 2004 CITY ENGINEER
CITY PROJECT NO. 714881	ZONE MAP NO. H-16-Z
SHEET 13B OF 14	

**MATCHLINE
SEE SHEET 1**



Information provided by Larry Medrano, of Precision Surveys, NMPS number 11995



SITE LEGEND

- (12) UNIDIRECTIONAL HC RAMP PER COA STD DWG #2426
- (19) 4' CONCRETE SIDEWALK TYPICAL PER COA STD DWG #2430
- (34) PROPOSED HC RAMP PER COA STD DWG #2441

LEGEND

- EXISTING CURB & GUTTER
- BOUNDARY LINE
- EASEMENT
- PROPOSED EASEMENT
- PROPOSED SCREEN WALL
- PROPOSED RETAINING WALL
- PROPOSED SIDEWALK
- PROPOSED BOLLARD
- PROPOSED PEDESTRIAN CROSSWALK
- PROPOSED CART CORRALS
- ASSOCIATE PARKING AREA
- BIKE RACK
- BIKE LOCKER

[illegible]

SL	BY	REMARKS	DESIGN	DATE: 08-03
1	13-17-04	sheet added	DESIGNED BY: BDG	DATE: 2-4-2004
	NO.	DATE	DRAWN BY: MP	JOB NO.: 21075
			DRAWN NAME: 2175-SWEXH-6-12-03.DWG	CHECKED BY: SL
				DATE: 2-2004

2	3	4	5	6	7	8	9	10	11	12	13	14	15
26		71	48	.	81	13	C0	5					

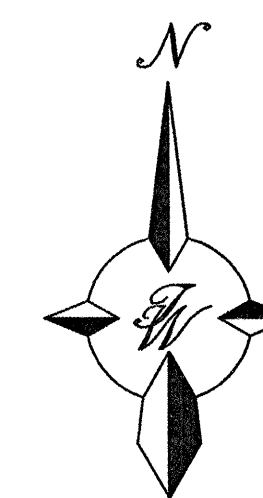
TIERRA WEST, LLC
8509 JEFFERSON NE
BUQUERQUE, NEW MEXICO 87113
(505)858-3100

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

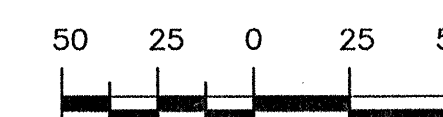
TITLE: **ALBUQUERQUE WAL-MART NM: 850-03**
SW IMPROVEMENTS FOR CARLISLE, CLAREMONT, RICHMOND,
BRYN MAWR, AMERICAN & A PRIVATE ACCESS DRIVE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
APPROVED	APPROVED			
APR 15 2004	APR 15 2004			
DESIGN REVIEW COMMITTEE	CITY ENGINEER			

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
714881	H-16-Z	13C	14



GRAPHIC SCALE



SCALE: 1"=50'

CONSTRUCTION TRAFFIC CONTROL GENERAL NOTES

1. CONTRACTOR MUST OBTAIN FROM CONSTRUCTION COORDINATION AN EXCAVATION/BARRICADING PERMIT BEFORE ENGAGING IN ANY CONSTRUCTION, MAINTENANCE OR REPAIR WORK IN ANY OF THE CITY OF ALBUQUERQUE'S RIGHTS-OF-WAY. EMERGENCY WORK THAT WOULD PRESERVE LIFE OR PROPERTY IS EXCLUDED WITH THE UNDERSTANDING, THAT A PERMIT SHALL BE OBTAINED WITHIN 24 TO 48 HOURS.

2. CONTRACTOR SHALL AT THE TIME OF PERMIT REQUEST, SUBMIT FOR APPROVAL BY CONSTRUCTION COORDINATION, A TRAFFIC CONTROL PLAN DETAILING ALL EXISTING TOPOGRAPHY SUCH AS LANE WIDTHS, DRIVEWAYS, AND BUSINESS/RESIDENTIAL ACCESSES. THE TRAFFIC CONTROL PLAN SHALL INCLUDE ALL PHASES OF WORK AND SCHEDULES INVOLVED IN THE CONSTRUCTION PROJECT. ANY SEPARATE PHASES OF A CONSTRUCTION PROJECT SHALL BE GIVEN AN INDIVIDUAL PERMIT EACH. BLANKET PERMITS WILL NOT BE ISSUED.

3. THESE TYPICAL TRAFFIC CONTROL PLANS DO NOT REFLECT THE EXISTING TOPOGRAPHY SUCH AS DRIVEWAYS, LANE WIDTHS, AND BUSINESS/RESIDENTIAL ACCESSES. EVERY LOCATION THAT REQUIRES CONSTRUCTION TRAFFIC CONTROL SHALL HAVE A DETAILED TRAFFIC CONTROL PLAN SHOWING ALL EXISTING TOPOGRAPHY.

4. CONSTRUCTION SHALL NOT BEGIN UNLESS A TRAFFIC CONTROL PLAN HAS BEEN APPROVED AND VERIFIED BY CONSTRUCTION COORDINATION.

5. CONSTRUCTION COORDINATION SHALL BE NOTIFIED 48 HOURS PRIOR TO ANY TRAFFIC CONTROL CHANGES NEEDED BY CONTRACTOR, THAT WERE NOT PREVIOUSLY APPROVED. THESE TRAFFIC CONTROL CHANGES SHALL BE REQUESTED IN WRITING ACCOMPANIED WITH A TRAFFIC CONTROL PLAN REFLECTING SUCH CHANGES.

6. ALL CONSTRUCTION TRAFFIC CONTROL DEVICES SHALL COMPLY TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL, SERVICE AND MAINTAIN ALL TRAFFIC CONTROL DEVICES. TRAFFIC CONTROL DEVICES SHALL NOT BE REMOVED OR ALTERED IN ANY WAY WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION, PER SECTION 6A-4 OF THE MUTCD, LATEST EDITION.

7. THE CONSTRUCTION TRAFFIC CONTROL INITIAL SET-UP SHALL BE BY AN AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION (ATSSA) CERTIFIED WORKSITE TRAFFIC SUPERVISOR. THE MAINTENANCE AND SERVICING SHALL ALSO BE DONE BY AN ATSSA CERTIFIED WORKSITE TRAFFIC SUPERVISOR OR EQUIVALENT.

8. CONTRACTOR IS RESPONSIBLE TO MAINTAIN AND SERVICE ALL TRAFFIC CONTROL DEVICES 24 HOURS A DAY, 7 DAYS A WEEK THROUGHOUT LENGTH OF PROJECT. CONTRACTOR IS RESPONSIBLE THAT ALL TRAFFIC CONTROL DEVICES COMPLY WITH THE MUTCD, LATEST EDITION.

9. ALL ADVANCE WARNING SIGNS SHALL BE DOUBLE INDICATED WHENEVER THERE ARE MULTI-LANE TRAFFIC IN ANY ONE GIVEN DIRECTION AND THERE IS SUFFICIENT MEDIAN SPACE.

10. ALL BARRICADES IN ALL TAPERS AND TANGENTS SHALL BE PLACED APART, A DISTANCE MEASURED IN FEET, EQUAL TO THAT OF THE POSTED SPEED LIMIT. NO EXCEPTIONS UNLESS APPROVED BY CONSTRUCTION COORDINATION PER MUTCD SECTION 6A-4.

11. ALL WORK IN ARTERIAL ROADWAYS SHALL BE ON A CONTINUOUS 24 HOUR PER DAY BASIS UNTIL COMPLETED.

12. CONTRACTOR IS RESPONSIBLE TO PROVIDE CONSTRUCTION COORDINATION, A WEEKLY LOG OF DAILY INSPECTIONS OF BARRICADE AND MAINTENANCE SCHEDULES ON PROJECTS THAT ARE OVER ONE WEEK DURATION.

13. EQUIPMENT OR MATERIALS SHALL NOT BE STORED WITHIN 15 FEET OF A TRAVELLED TRAFFIC LANE DURING NON-WORKING HOURS WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION.

14. CONTRACTOR SHALL PROVIDE AND MAINTAIN A SAFE AND ADEQUATE MEANS OF CHANNELIZING PEDESTRIAN TRAFFIC AROUND AND THROUGH THE CONSTRUCTION AREA.

15. CONTRACTOR IS RESPONSIBLE FOR OBLITERATION OF ANY CONFLICTING STRIPING AND RESPONSIBLE FOR ALL TEMPORARY STRIPING.

16. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL FACILITIES, BUSINESSES AND/OR RESIDENTS AT ALL TIMES.

17. CONTRACTOR SHALL PROVIDE ACCESS SIGNS FOR BUSINESSES LOCATED WITHIN THE CONSTRUCTION AREA UNDER THE SUPERVISION OF CONSTRUCTION COORDINATION. EACH ACCESS SIGN SHALL HAVE 5 INCH, WHITE OPAQUE LETTERING ON BLUE REFLECTORIZED BACKGROUND. ACCESS SIGNS SHALL BE CONSIDERED INCIDENTAL TO THE BID AND NOT PART OF THE CONTRACT UNLESS OTHERWISE STATED. NO MORE THAN 3 BUSINESSES SHALL BE LISTED ON A ACCESS SIGN. SHOPPING CENTERS AND MALLS SHALL BE LISTED AS SUCH.

18. ALL ADVANCE WARNING SIGNS SHALL MEET THE MINIMUM REFLECTIVE INTENSITY REQUIREMENTS SET FORTH BY THE CITY OF ALBUQUERQUE. CONSTRUCTION COORDINATION SHALL DETERMINE ALL REQUIREMENTS AND APPROVE OR DISAPPROVE ANY ADVANCE WARNING SIGN PER SECTION 6A-4 OF THE MUTCD, LATEST EDITION.

19. 48 HOURS PRIOR TO OCCUPANCY OR CLOSING OF A RIGHT-OF-WAY, CONTRACTOR SHALL NOTIFY: POLICE, FIRE DEPARTMENT, SCHOOLS, HOSPITALS, TRANSIT AUTHORITY, BUSINESSES AND/OR RESIDENTS THAT WILL BE AFFECTED BY THE CONSTRUCTION.

20. ANY FIELD ADJUSTMENTS SHALL BE APPROVED BY CONSTRUCTION COORDINATION.

21. EXCAVATIONS SHALL BE PLATED, TEMPORARILY PATCHED OR RESURFACED PRIOR TO OPENING OF TRAFFIC. A MINIMUM OF 11 FEET SHALL BE PROVIDED FOR TRAFFIC IN ANY GIVEN DIRECTION. CONTRACTOR IS RESPONSIBLE FOR ANY WORK INVOLVED IN SATISFYING THESE REQUIREMENTS.

22. CONTRACTOR SHALL AT ALL TIMES COMPLY WITH THE FOLLOWING:
1. STANDARDS AND REQUIREMENTS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
2. THE CITY OF ALBUQUERQUE TRAFFIC CODE, LATEST EDITION.
3. SECTION 19 OF THE CITY OF ALBUQUERQUE'S STANDARD SPECIFICATIONS FOR PUBLIC WORK CONSTRUCTION, AS WELL AS OTHER SECTIONS.

23. FAILURE TO COMPLY WITH ANY OF THE ABOVE MENTIONED, WILL BE ADEQUATE CAUSE TO CEASE ALL WORK ON ANY CONSTRUCTION PROJECT. WORK WILL NOT RESUME UNTIL ALL REQUIREMENTS ARE ADDRESSED AND APPROVED BY CONSTRUCTION COORDINATION.

24. ALL TRAFFIC CONTROL DEVICES SHALL BE KEPT IN NEW-CLEAN CONDITION. WASHING OF EQUIPMENT IS INCIDENTAL TO IT'S PLACEMENT AND MAINTENANCE.

25. TRAFFIC CONTROL STANDARDS APPLY ONLY WHERE THE CONSTRUCTION TRAFFIC CONTROL PLANS ARE NOT SPECIFIC.

26. ADVANCE WARNING SIGNS SHALL BE 36"x36" MIN. WITH SUPER ENGINEERING GRADE SHEETING OR BETTER. MOUNTING HEIGHT AT TOP OF SIGN SHALL BE THE SAME AS FOR A 48" SIGN AS INDICATED IN THE M.U.T.C.D.

27. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORKSITE. ALL GRAFFITI SHALL BE PROMPTLY REMOVED FROM ALL EQUIPMENT, BOTH PERMANENT AND TEMPORARY.

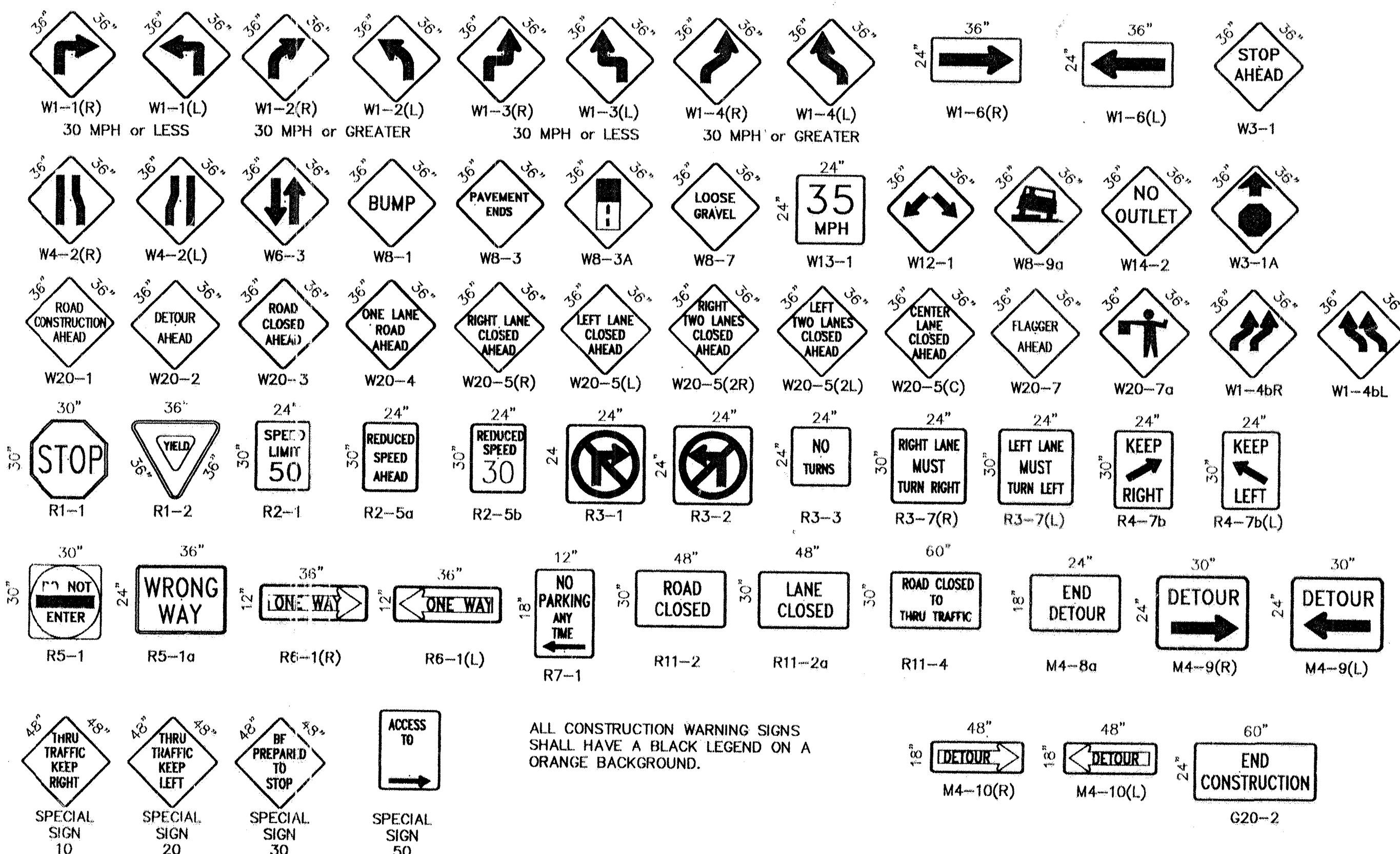
SPECIAL PROJECT TRAFFIC CONTROL NOTES:

1. ARTERIAL ROAD USAGE FEES OF \$0.01 PER SQUARE FOOT OF BARRICADED AREA WILL BE ASSESSED ON LANE CLOSURES ON CARLISLE BLVD.
2. TWO-WAY TRAFFIC (AT LEAST ONE LANE IN EACH DIRECTION) MUST BE MAINTAINED ON CARLISLE BLVD. AT ALL TIMES. DOUBLE LANE CLOSURES OR TRAFFIC SPLITS WILL NOT BE ALLOWED BETWEEN 6:00AM AND 7:00PM.

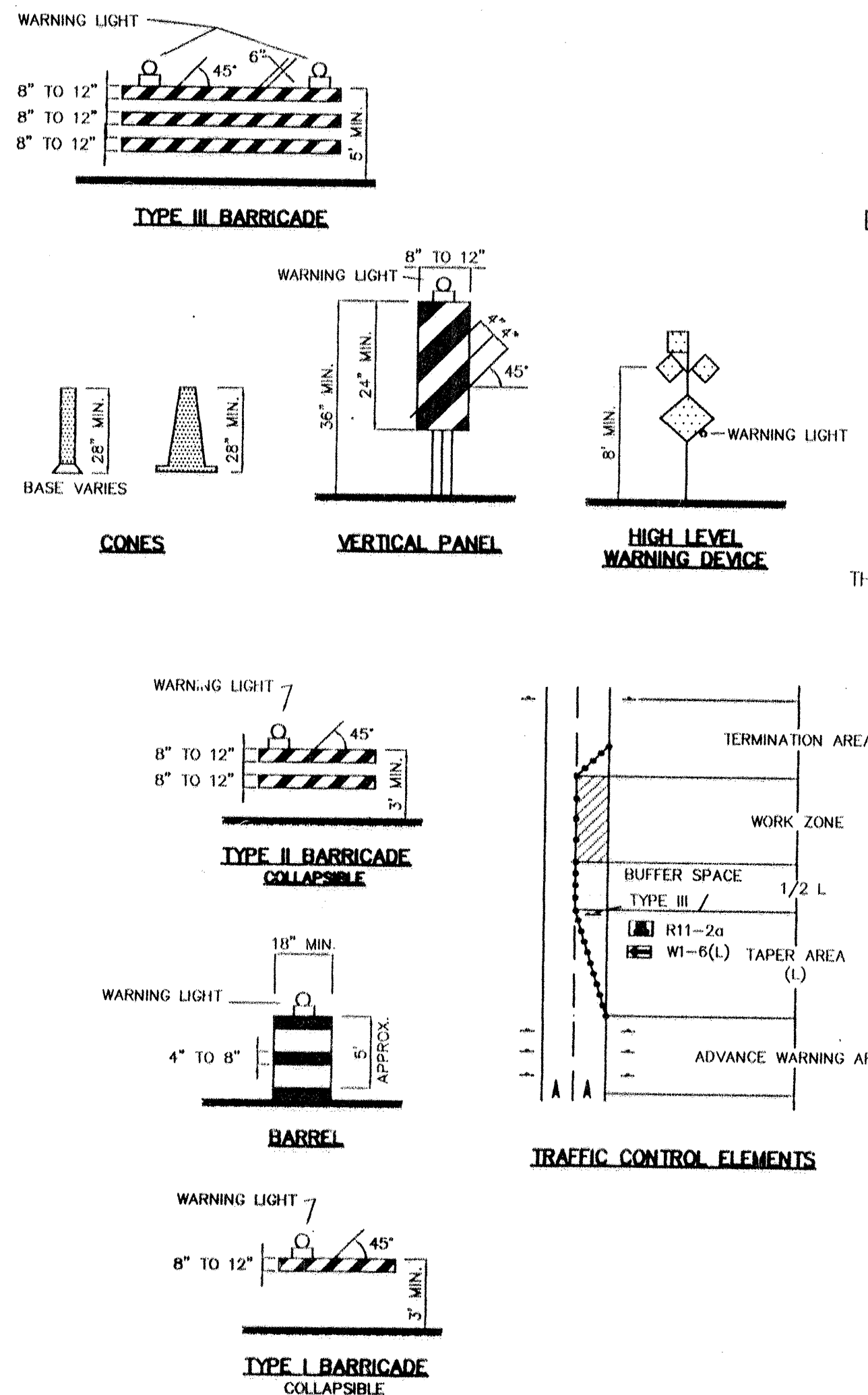
ENGINEER'S STAMP & SIGNATURE

ENGINEER'S STAMP & SIGNATURE

SIGN FACE DETAILS



ALL CONSTRUCTION WARNING SIGNS SHALL HAVE A BLACK LEGEND ON A ORANGE BACKGROUND.



LEGEND

- WORK AREA
- BARRICADE - TYPE I, TYPE II, OR BARREL
- BARRICADE - TYPE III
- VERTICAL PANEL
- WARNING SIGN
- DISTANCE BETWEEN SIGNS - A DISTANCE MEASURED IN FEET EQUAL TO A VALUE OF TEN TIMES THE SPEED LIMIT OF THE STREET
- FLAGMAN POSITION
- SPACING BETWEEN BARRICADES- A DISTANCE MEASURED IN FEET EQUAL TO THE SPEED LIMIT OF THE STREET
- TAPER LENGTH - SEE CHART BELOW
- THE TANGENT LENGTH IS EQUAL TO THE TAPER LENGTH FOR A GIVEN STREET.

TAPER REQUIREMENTS

SPEED LIMIT (MPH)	TAPER LENGTH (L) (FEET)			MINIMUM NUMBER OF DEVICES FOR TAPER	MAXIMUM DEVICE SPACING IN FEET	
	10' LANE	11' LANE	12' LANE		ALONG TAPER	AFTER TAPER
20	70	75	80	5	20	20
25	105	115	125	6	25	25
30	150	165	180	7	30	30
35	205	225	245	8	35	35
40	270	295	320	9	40	40
45	450	495	540	13	45	45
50	500	550	600	13	50	50
55	550	605	660	13	55	55

RECOMMENDED SIGN SPACING(D) FOR ADVANCE WARNING SIGN SERIES

SPEED LIMIT (MPH)	MINIMUM DISTANCE IN FEET BETWEEN SIGNS	FROM LAST SIGN TO TAPER
0-20	10 X SPEED LIMIT	10 X SPEED LIMIT
25-30	10 X SPEED LIMIT	10 X SPEED LIMIT
30-35	10 X SPEED LIMIT	10 X SPEED LIMIT
40-45	10 X SPEED LIMIT	10 X SPEED LIMIT
50-60	10 X SPEED LIMIT	10 X SPEED LIMIT

TAPER CRITERIA

TYPE OF TAPER	TAPER LENGTH
UPSTREAM TAPER:	
MERGING TAPER	L MINIMUM
SHIFTING TAPER	1/2 L MINIMUM
SHOULDER TAPER	1/2 L MINIMUM
TWO-WAY TRAFFIC TAPER	100 FEET MAXIMUM
DOWNSIDE TAPERS	100 FEET PER LANE

TAPER LENGTH COMPUTATION

SPEED LIMIT	L = WS ² / 60
40 MPH OR LESS	L = WS ² / 60
45 MPH OR GREATER	L = W x S

L = TAPER LENGTH
W = WIDTH OF OFFSET IN FEET
S = POSTED SPEED OR OFF-PEAK 85-PERCENTILE SPEED IN MPH

26 27 48 81 1405

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: **SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS**

DESIGN REVIEW COMMITTEE: **COASTD**

CITY ENGINEER APPROVAL: **COASTD**

PROJECT NO. **714881**

MAP NO. **H-16**

SHEET **14** OF **17**