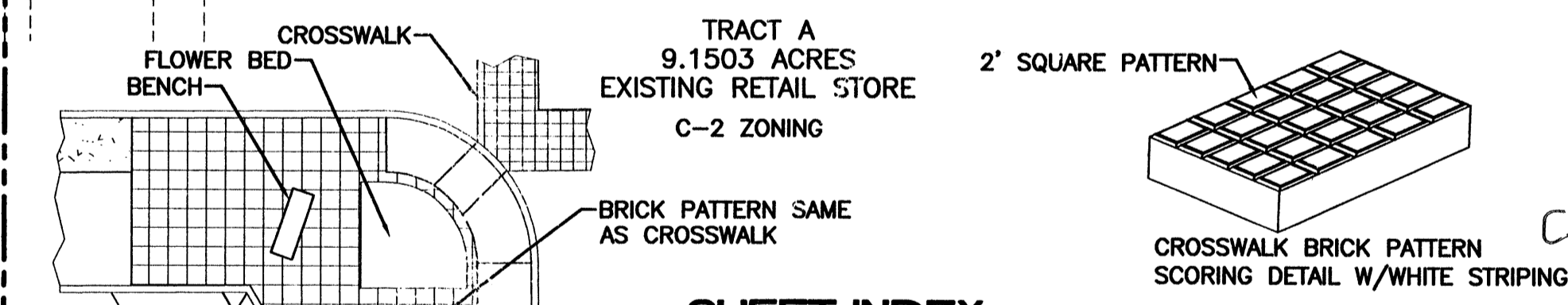


**JOINT USE AREA PARKING DATA**

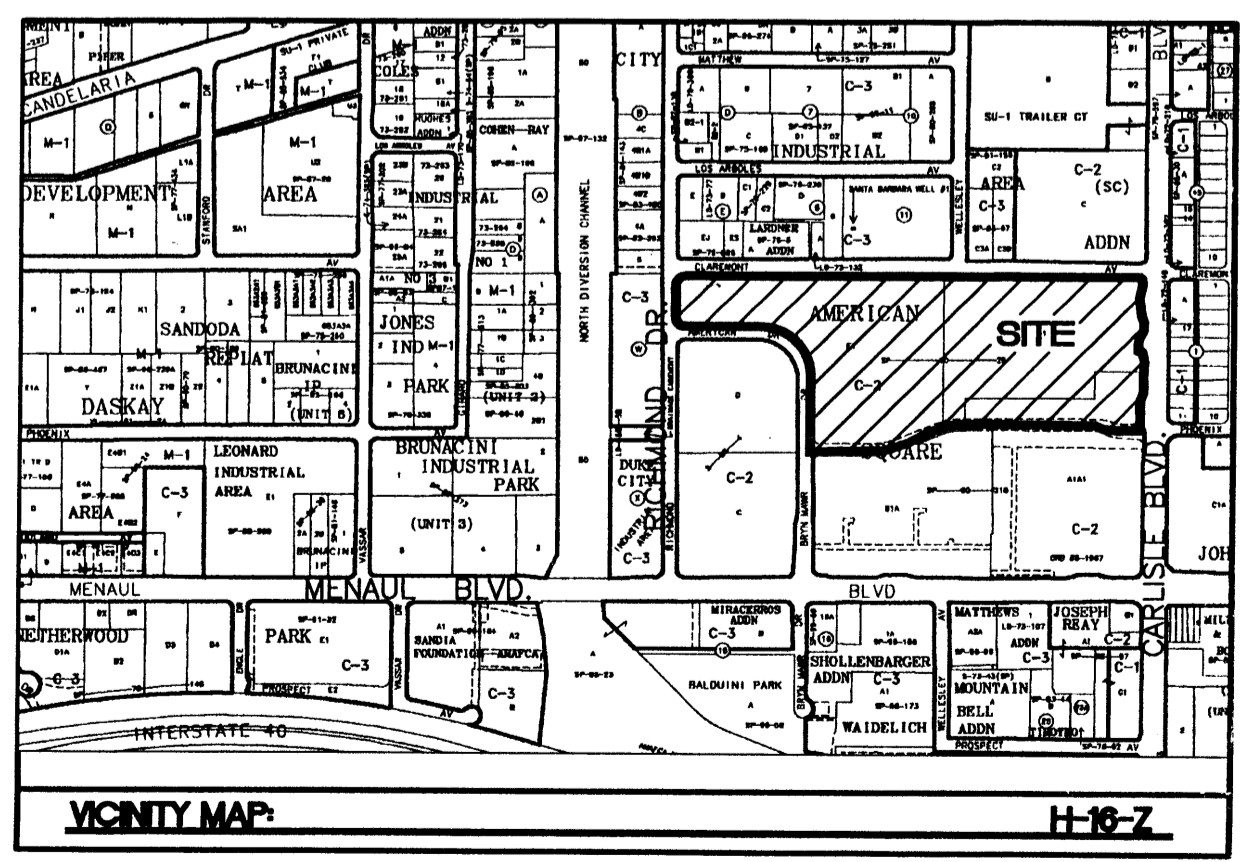
PARKING WITHIN PARCEL I	11
PARKING WITHIN PARCEL II	34
PARKING WITHIN PARCEL III	48
PARKING WITHIN PARCEL IV	136
TOTAL SPACE WITHIN JOINT USE AREAS	229

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



- 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
  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



**SITE DATA**

PROPOSED USAGE:	PROPOSED EXPANSION
EXISTING ZONING:	C-2
LOT AREA:	
WAL-MART TRACT	20,5988 AC
OUT LOT 1	1,1916 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:	
PARKING REQUIRED: RETAIL AREA (7,300 SF)	1059 SPACES
PARKING REQUIRED: GARDEN CENTER (5,300 SF)	1042 SPACES
PARKING REQUIRED: STORAGE AREA (5,300 SF)	18 SPACES
TOTAL PARKING REQUIRED W/20% BUS CREDIT:	3 SPACES
PARKING RATIO: WITHOUT GARDEN CENTER	834 SPACES
	4.95
HC PARKING PROVIDED:	23 SPACES (4 VAN)
HC PARKING REQUIRED:	20 SPACES
	4 SPACES VAN ACCESSIBLE
BIKE SPACES PROVIDED:	30 SPACES
BIKE SPACES REQUIRED: -	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

**PROJECT NUMBER: 1002249**

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

**SITE DEVELOPMENT PLAN**

*Tahel Dan* Traffic Engineer, Transportation Division 5/28/03 Date

*Christina Dandord* Parks & General Services-Department 5/28/03 Date

*Ronald R. Bohannan* Public Works, Water Utilities Division 5/28/03 Date

*Michael Holton* City Engineer, Engineering Division / AMAFCA 4/27/03 Date

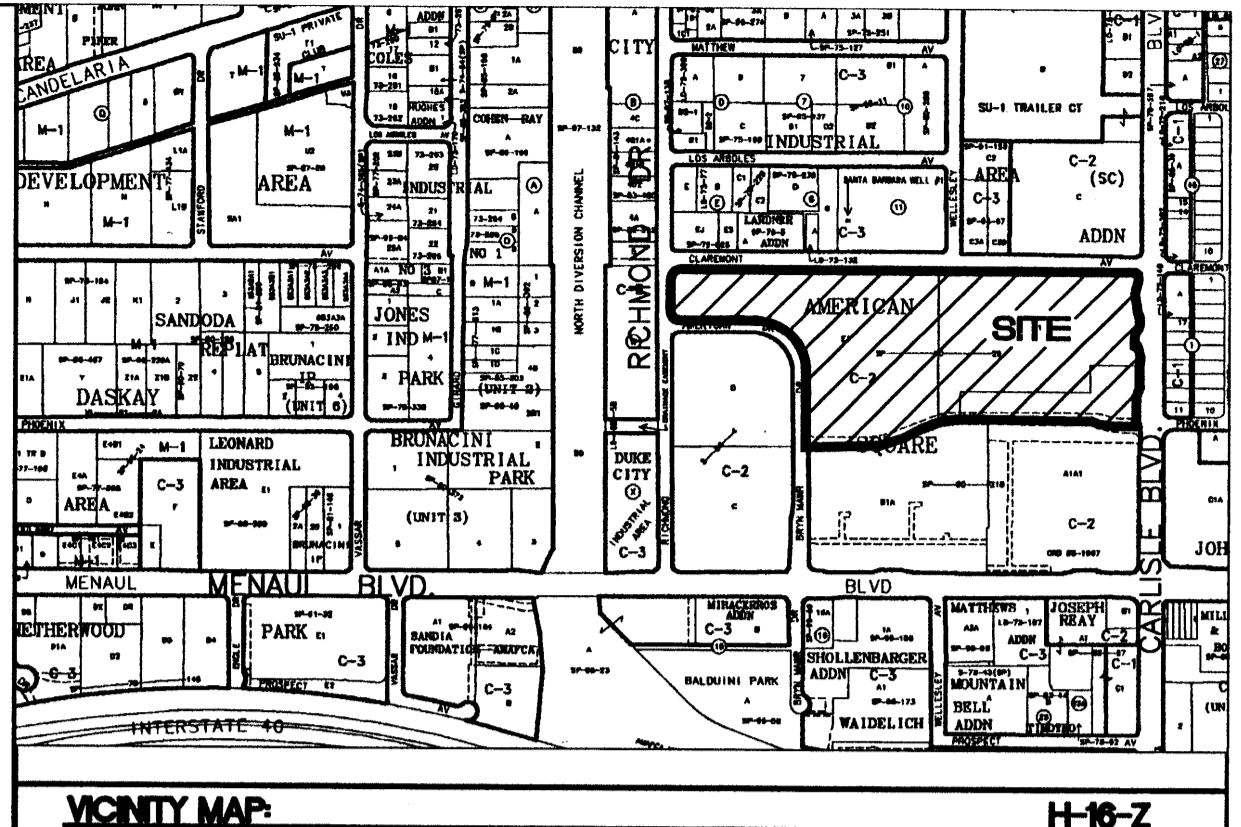
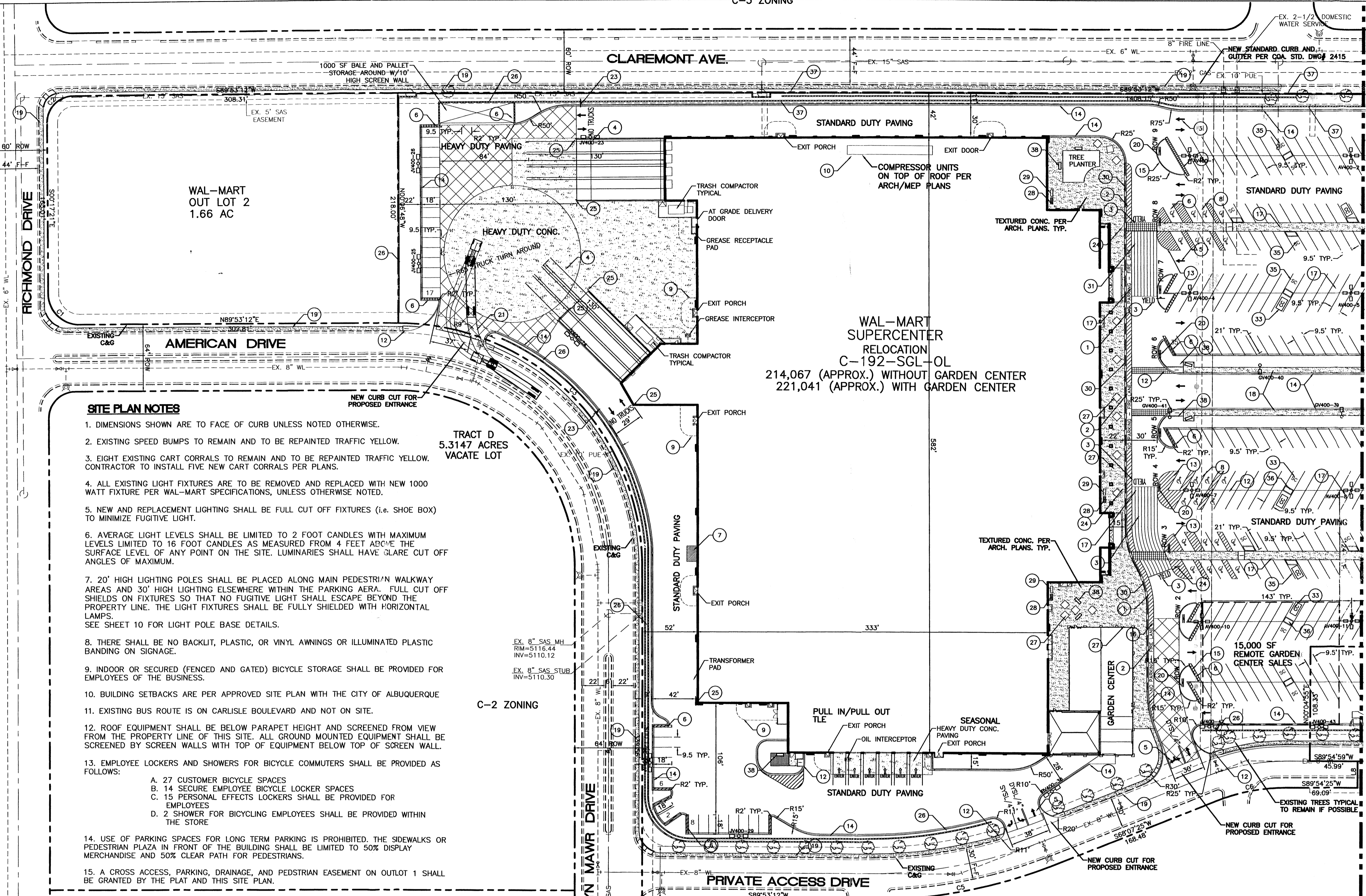
*Sheeran Matson* City Planner, Albuquerque Bernalillo County Planning Division 5/28/03 Date

APPROVAL AND CONDITIONAL ACCEPTANCE, as specified by the Environmental Process Manual

PLNZ (10706) 4/96

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

PROJECT 1002249



**LEGAL DESCRIPTION:**  
BLOCK E1 AND F1, AMERICAN SQUARE.

- SITE LEGEND**
- 1 6" WIDE FIRE LANE WITH 6" WIDE PAINTED TRAFFIC RED STRIPING AT 45° TYPICAL CURB TO BE PAINTED TRAFFIC RED AT THESE LOCATIONS. (SHT 9 OF 12)
  - 2 "NO PARKING-FIRE LANE" PAINTED TRAFFIC YELLOW ON PAVEMENT AT 80' O.C. LETERS TO BE A MINIMUM 2'-0" TALL. (SHT 9 OF 12)
  - 3 "YIELD" PAINTED YELLOW ON PAVEMENT TYPICAL. (SHT 8 OF 12)
  - 4 PROVIDE (2) 4" WIDE YELLOW STRIPES @ 10' O.C. x 130' LONG CENTER ON DOCK DOORS
  - 5 PAINTED DIRECTIONAL ARROW TYPICAL. (SHT 8 OF 12)
  - 6 2'-0" LOADING ZONE AT ALL CURBED PARKING SPACES. 4" PAINTED YELLOW STRIPING AT 2'-0" O.C. PERPENDICULAR TO PARKING SPACE.
  - 7 10' x 15' STRIPED AREA PAINTED SYSL/4" AT 45° @ 2'-0" O.C. AT JOB CRANE LOCATION. SEE ARCH. PLANS
  - 8 ACCESSIBLE PARKING SPACE TYPICAL. SEE DETAIL SHEET FOR ACCESSIBLE PARKING SPACE SIZE, SIGN AND SYMBOL ("VAN" INDICATES VAN ACCESSIBLE SPACE). (SHT 8 OF 12)
  - 9 RAMPED PAVEMENT AT VESTIBULE TO BE FLUSH WITH TOP OF SIDEWALK AT 5.0% MAX. SLOPE. REFER TO ARCHITECTURAL PLANS.
  - 10 ROOF MOUNTED 16"x119" COMPRESSOR UNITS. REFER TO ARCHITECTURAL PLAN FOR EXACT LOCATION AND SLOPE.
  - 11 SCREEN WALL PER ARCH. PLANS
  - 12 UNIDIRECTIONAL HC RAMP. (SHT 9 OF 12)
  - 13 PAINTED ISLAND TYPICAL UNLESS NOTED OTHERWISE. STRIPES SHALL BE PAINTED SYSL/4" AT 2'-0" O.C. PERPENDICULAR TO THE PARKING SPACE.
  - 14 6" CONCRETE CURB AND GUTTER TYPICAL.
  - 15 6" CONCRETE HEADER CURB TYPICAL. (SHT 8 OF 12)
  - 16 6" WIDE SLIGHTLY RAISED CONCRETE PEDESTRIAN CROSSWALK. (SHT 8 )
  - 17 8" WIDE RAISED CONCRETE SIDEWALK TYPICAL. (SHT 8 OF 12)
  - 18 6" CONCRETE SIDEWALK TYPICAL.
  - 19 4" CONCRETE SIDEWALK TYPICAL.
  - 20 AISLE INDICATOR SIGNS TYPICAL (SHT 8 OF 12)
  - 21 "TRUCK ROUTE" SIGN. SEE PLAN FOR LOCATION.
  - 22 "STOP" SIGN. SEE PLAN FOR LOCATION.
  - 23 "NO TRUCKS" SIGN. SEE PLAN FOR LOCATION.
  - 24 PEDESTRIAN CROSSING SIGN W10-2 AND W10-2p TYPICAL AT PEDESTRIAN CROSSWALKS AS NOTED ON PLANS.
  - 25 6" DIA. PIPE BOLLARD TYPICAL. (SHT 10 OF 12)
  - 26 3' HIGH SCREEN WALL. (SHT 8 OF 12)
  - 27 6"x6" TREE PLANTER TYPICAL. (SHT 9 OF 12)
  - 28 (3) 5 SPACE BIKE RACK TYPICAL. (SHT 8 OF 10)
  - 29 BIKE LOCKERS (3 UNITS, 15 TOTAL LOCKERS SPACES). (SHT 8 OF 12)
  - 30 ZERO CURB PER ARCH. SECTIONS
  - 31 PEDESTRIAN CROSSWALK WITH 4" WIDE PAINTED YELLOW STRIPING PARALLEL TO DIRECTION OF TRAFFIC AT 2'-0" O.C. UNLESS NOTED OTHERWISE. SEE SITE PLAN FOR WIDTH.
  - 32 PROPOSED LIGHTING.
  - 33 CART CORRALS TYPICAL. (SHT 9 OF 12)
  - 34 PROPOSED HC RAMP. (SHT 9 OF 12)
  - 35 SMALL CAR MARKER, "COMPACT" PAINTED YELLOW ON PAVEMENT TYPICAL.
  - 36 TREE PLANTER TYPICAL. (SHT 9 OF 12)
  - 37 RETAINING WALL TYPICAL. (SHT 6 OF 10)
  - 38 WROUGHT IRON PARK BENCHES. TYPICAL.

**SITE PLAN NOTES**

1. DIMENSIONS SHOWN ARE TO FACE OF CURB UNLESS NOTED OTHERWISE.
2. EXISTING SPEED BUMPS TO REMAIN AND TO BE REPAINTED TRAFFIC YELLOW.
3. EIGHT EXISTING CART CORRALS TO REMAIN AND TO BE REPAINTED TRAFFIC YELLOW. CONTRACTOR TO INSTALL FIVE NEW CART CORRALS PER PLANS.
4. ALL EXISTING LIGHT FIXTURES ARE TO BE REMOVED AND REPLACED WITH NEW 1000 WATT FIXTURE PER WAL-MART SPECIFICATIONS, UNLESS OTHERWISE NOTED.
5. NEW AND REPLACEMENT LIGHTING SHALL BE FULL CUT OFF FIXTURES (i.e. SHOE BOX) TO MINIMIZE FUGITIVE LIGHT.
6. AVERAGE LIGHT LEVELS SHALL BE LIMITED TO 2 FOOT CANDLES WITH MAXIMUM LEVELS LIMITED TO 16 FOOT CANDLES AS MEASURED FROM 4 FEET ABOVE THE SURFACE LEVEL OF ANY POINT ON THE SITE. LUMINARIES SHALL HAVE GLARE CUT OFF ANGLES OF MAXIMUM.
7. 20' HIGH LIGHTING POLES SHALL BE PLACED ALONG MAIN PEDESTRIAN WALKWAY AREAS AND 30' HIGH LIGHTING ELSEWHERE WITHIN THE PARKING AREA. FULL CUT OFF SHIELDS ON FIXTURES SO THAT NO FUGITIVE LIGHT SHALL ESCAPE BEYOND THE PROPERTY LINE. THE LIGHT FIXTURES SHALL BE FULLY SHIELDED WITH HORIZONTAL LAMPS. SEE SHEET 10 FOR LIGHT POLE BASE DETAILS.
8. THERE SHALL BE NO BACKLIT, PLASTIC, OR VINYL AWNINGS OR ILLUMINATED PLASTIC BANDING ON SIGNAGE.
9. INDOOR OR SECURED (FENCED AND GATED) BICYCLE STORAGE SHALL BE PROVIDED FOR EMPLOYEES OF THE BUSINESS.
10. BUILDING SETBACKS ARE PER APPROVED SITE PLAN WITH THE CITY OF ALBUQUERQUE
11. EXISTING BUS ROUTE IS ON CARLISLE BOULEVARD AND NOT ON SITE.
12. ROOF EQUIPMENT SHALL BE BELOW PARAPET HEIGHT AND SCREENED FROM VIEW FROM THE PROPERTY LINE OF THIS SITE. ALL GROUND MOUNTED EQUIPMENT SHALL BE SCREENED BY SCREEN WALLS WITH TOP OF EQUIPMENT BELOW TOP OF SCREEN WALL.
13. EMPLOYEE LOCKERS AND SHOWERS FOR BICYCLE COMMUTERS SHALL BE PROVIDED AS FOLLOWS:
  - A. 27 CUSTOMER BICYCLE SPACES
  - B. 14 SECURE EMPLOYEE BICYCLE LOCKER SPACES
  - C. 15 PERSONAL EFFECTS LOCKERS SHALL BE PROVIDED FOR EMPLOYEES
  - D. 2 SHOWER FOR BICYCLING EMPLOYEES SHALL BE PROVIDED WITHIN THE STORE
14. USE OF PARKING SPACES FOR LONG TERM PARKING IS PROHIBITED. THE SIDEWALKS OR PEDESTRIAN PLAZA IN FRONT OF THE BUILDING SHALL BE LIMITED TO 50% DISPLAY MERCHANDISE AND 50% CLEAR PATH FOR PEDESTRIANS.
15. A CROSS ACCESS, PARKING, DRAINAGE, AND PEDSTRIAN EASEMENT ON OUTLOT 1 SHALL BE GRANTED BY THE PLAT AND THIS SITE PLAN.

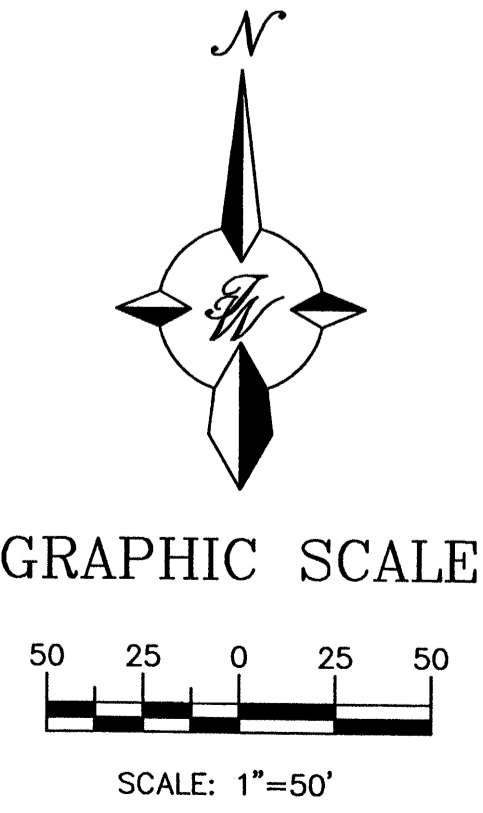
**SITE DATA**

PROPOSED USAGE:	PROPOSED EXPANSION
EXISTING ZONING:	C-2
<b>LOT AREA:</b>	
WAL-MART TRACT	19,2558 AC
PORTION OF BLOCK A-1-A	2,4472 AC
OUT LOT 1	1,1916 AC
OUT LOT 2	1,6593 AC
TOTAL:	23,5539± AC.
<b>BUILDING AREA:</b>	
WITH GARDEN CENTER	221,041 SF
WITHOUT GARDEN CENTER	214,067 SF
<b>LANDSCAPING:</b>	
PROVIDED:	93,989 SF
REQUIRED:	86,340 SF
<b>PARKING PROVIDED (OVERALL CENTER)</b>	
PARKING PROVIDED (WAL-MART TRACT ONLY)	1059 SPACES
PARKING REQUIRED: RETAIL AREA	827 SPACES
PARKING REQUIRED: GARDEN CENTER (7,300 SF)	1070 SPACES
PARKING REQUIRED: STORAGE AREA (5,300 SF)	17 SPACES
TOTAL PARKING REQUIRED W/20% BUS CREDIT:	3 SPACES
PARKING RATIO: WITHOUT GARDEN CENTER	834 SPACES
	4.95
<b>HC PARKING PROVIDED:</b>	
HC PARKING REQUIRED:	23 SPACES (4 VAN)
	20 SPACES
	4 SPACES VAN ACCESSIBLE
<b>BIKE SPACES PROVIDED:</b>	
BIKE SPACES PROVIDED:	30 SPACES
BIKE SPACES REQUIRED: -	27 SPACES

**PAINT STRIPING LEGEND**

SWSL/4" - SINGLE WHITE SOLID LINE / 4" WIDE  
 SYSL/4" - SINGLE YELLOW SOLID LINE / 4" WIDE EACH  
 DYSL/4" - DOUBLE YELLOW SOLID LINE / 4" WIDE EACH  
 SYSL/10" - SINGLE YELLOW SOLID LINE / 10" WIDE  
 SWDL/4" - SINGLE WHITE DASHED LINE / 4" WIDE  
 SWSL/24" - SINGLE WHITE SOLID LINE / 24" WIDE

- 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



**PROJECT NUMBER: 1002249**  
**APPLICATION NUMBER: 03 DRB 00637**

DRB SITE DEVELOPMENT PLAN APPROVAL:

<i>Rahul Datta</i>	5/28/03
Traffic Engineer, Transportation Division	Date
<i>Reggie A. Green</i>	5/28/03
Utilities Development	Date
<i>Christina Darnoval</i>	5/28/03
Parks & Recreation Department	Date
<i>Brady J. Bohn</i>	8/1/03
City Engineer	Date
Environmental Health Department (conditional)	Date
Solid Waste Management	Date
<i>Ashleen Matson</i>	5/28/03
DRB Chairperson, Planning Department	Date

ENGINEER'S SEAL	ALBUQUERQUE WAL-MART EXPANSION, NM: 850-03	DRAWN BY BDG
	SITE PLAN FOR BUILDING PERMIT - A	DATE 05/23/03
	TERRA WEST, LLC 8509 JEFFERSON NE ALBUQUERQUE, NEW MEXICO 87113 (505)858-3100	2175SP1.DWG
		SHEET # 2
		JOB # 21075

C-2 ZONING

CLAREMONT AVE.

EXISTING SIGNALIZED INTERSECTION

WAL-MART OUT LOT 1  
1.19 AC

CARLISLE BLVD.  
(100' ROW)

PORTION OF BLOCK A-1-A  
2.4472 acres ±  
106,599.55 sq. ft. ±

PRIVATE ACCESS DRIVE

TRACT A  
9.1503 ACRES  
EXISTING RETAIL STORE  
C-2 ZONING

**LEGEND**

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

**PAINT STRIPING LEGEND**

- SWSL/4" - SINGLE WHITE SOLID LINE / 4" WIDE
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- SWDL/4" - SINGLE WHITE DASHED LINE / 4" WIDE
- SWSL/24" - SINGLE WHITE SOLID LINE / 24" WIDE

LINE TABLE		
LINE	LENGTH	BEARING
L3	4.80	S00°05'03"W
L4	7.00	N89°54'59"W
L5	7.00	N89°54'59"W
L6	15.01	N00°05'01"E
L7	45.00	S00°05'03"W
L8	25.00	S00°04'55"W

CURVE TABLE				
CURVE	LENGTH	RADIUS	CHORD	CHORD BEARING
C1	47.03	30.00	42.36	S45°11'58"E
C2	39.35	25.00	35.41	S44°47'42"W
C3	363.71	232.00	327.59	N45°12'05"W
C4	39.35	25.00	35.41	S44°47'56"W
C5	178.52	470.00	177.45	N79°00'18"E
C6	66.53	175.00	66.13	S79°00'57"W
C7	54.13	150.00	53.84	N79°45'18"E
C8	54.13	150.00	53.84	S79°45'18"E
C9	40.75	150.00	40.62	S07°52'01"W
C10	40.75	150.00	40.62	N07°52'01"E
C11	39.27	25.00	35.36	N44°54'56"W
C12	39.27	25.00	35.36	N45°05'03"E
C13	52.22	150.00	51.96	N09°53'20"W
C14	17.41	50.00	17.32	S09°53'13"E
C15	17.41	50.00	17.32	S10°03'20"W
C16	51.75	150.00	51.50	N10°08'49"E
C18	38.52	25.00	34.82	N43°52'44"W

**SITE LEGEND**

- 1 6" WIDE FIRE LANE WITH 6" WIDE PAINTED TRAFFIC RED STRIPING AT 45" TYPICAL CURB TO BE PAINTED TRAFFIC RED AT THESE LOCATIONS. (SHT 9 OF 12)
- 2 "NO PARKING-FIRE LANE" PAINTED TRAFFIC YELLOW ON PAVEMENT AT 80" O.C. LETTERS TO BE A MINIMUM 2'-0" TALL. (SHT 9 OF 12)
- 3 "YIELD" PAINTED YELLOW ON PAVEMENT TYPICAL. (SHT 8 OF 12)
- 4 PROVIDE (2) 4" WIDE YELLOW STRIPES @ 10" O.C. x 130' LONG CENTER ON DOCK DOORS
- 5 PAINTED DIRECTIONAL ARROW TYPICAL. (SHT 8 OF 12)
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- 8 ACCESSIBLE PARKING SPACE TYPICAL. SEE DETAIL SHEET FOR ACCESSIBLE PARKING SPACE SIZE, SIGN AND SYMBOL ("VAN"-INDICATES VAN ACCESSIBLE SPACE). (SHT 8 OF 12)
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- 17 8" WIDE RAISED CONCRETE SIDEWALK TYPICAL. (SHT 8 OF 12)
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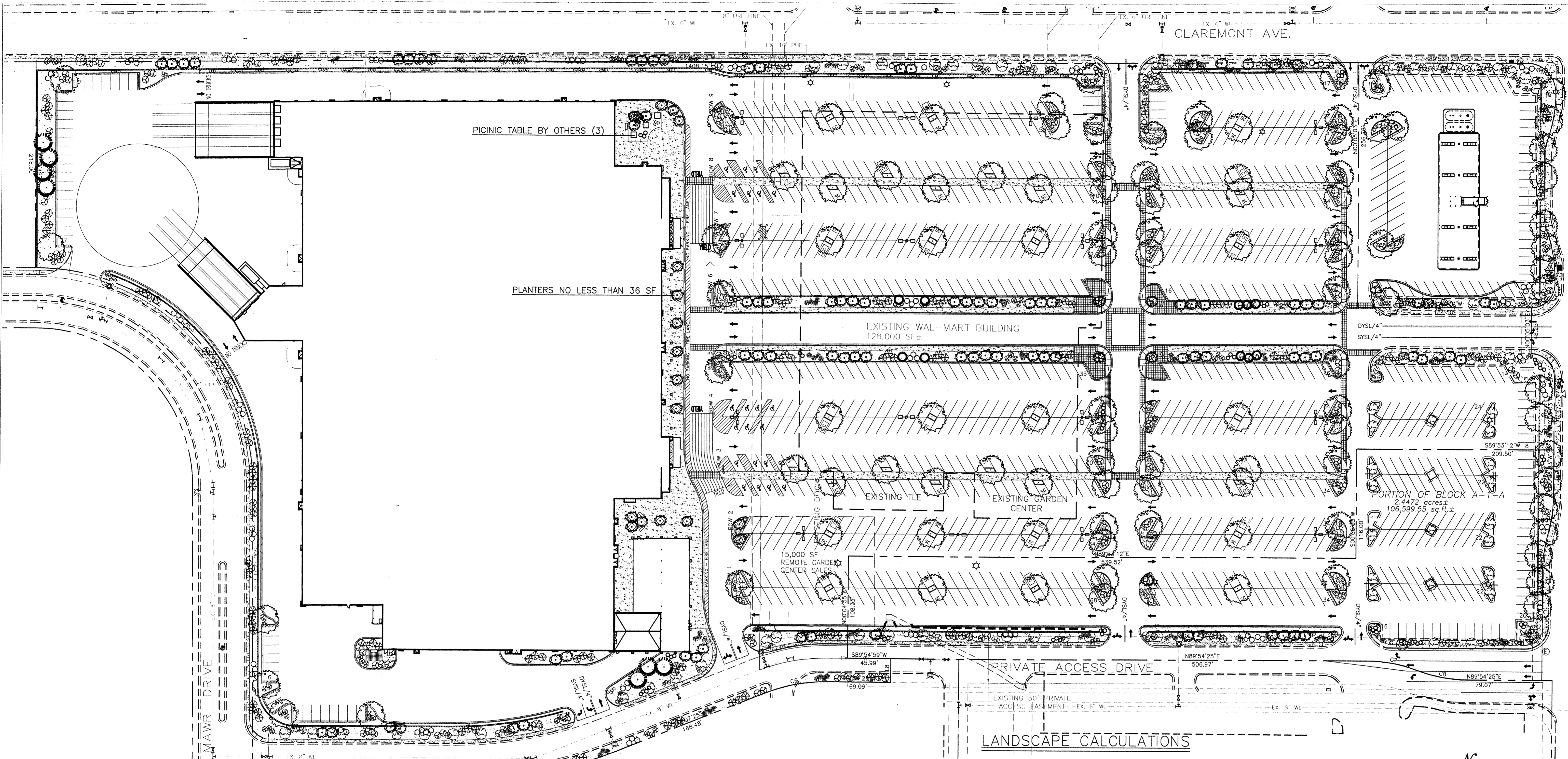


GRAPHIC SCALE



SCALE: 1"=50'

	<b>ALBUQUERQUE WAL-MART EXPANSION, NM: 850-03</b>	DRAWN BY: BDG DATE: 05/20/03 2175SP1.DWG
	<b>SITE PLAN FOR BUILDING PERMIT - B</b>	SHEET # <b>3</b> JOB # 21075
TERRA WEST, LLC 8509 JEFFERSON NE ALBUQUERQUE, NEW MEXICO 87113 (505)858-3100		



**LANDSCAPE NOTES:**  
Landscape maintenance shall be the responsibility of the Property Owner.

It is the intent of this plan to comply with the City Of Albuquerque Water Conservation Landscaping and Water Waste Ordinance planting restriction approach.

Approval of this plan does not constitute or imply exemption from water waste provisions of the Water Conservation Landscaping and Water Waste Ordinance. Water management is the sole responsibility of the Property Owner.

All landscaping will be in conformance with the City of Albuquerque Zoning Code, Street Tree Ordinance, Pollen Ordinance, and Water Conservation Landscaping and Water Waste Ordinance. In general, water conservative, environmentally sound landscape principles will be followed in design and installation.

Plant beds shall achieve 75% live ground cover at maturity.  
75% of landscape bed provided equals 77,264sf  
Total spread of plants provided equals 78,872sf

Gray Gravel over Filter Fabric shall be placed in all landscape areas which are not designated to receive native seed.

**IRRIGATION NOTES:**

Irrigation shall be a complete underground system with Trees to receive (5) 1.0 GPH Drip Emitters and Shrubs to receive (2) 1.0 GPH Drip Emitters. Drip and Bubbler systems to be tied to 1/2" poly pipe with flush caps at each end.

Run time per each drip valve will be approximately 15 minutes per day, to be adjusted according to the season.

Point of connection for irrigation system is unknown at current time and will be coordinated in the field.

Irrigation will be operated by automatic controller. Location of controller to be field determined and power source for controller to be provided by others.

Irrigation maintenance shall be the responsibility of the Property Owner.

- ▲ Revision per Tierra West DLB 2/13/03
- ▲ Revision per Tierra West DLB 1/30/03
- ▲ Revision per Tierra West DLB 11/14/02
- ▲ Revision per Tierra West CMD 10/1/02
- ▲ Revision per Tierra West DLB 9-24-02

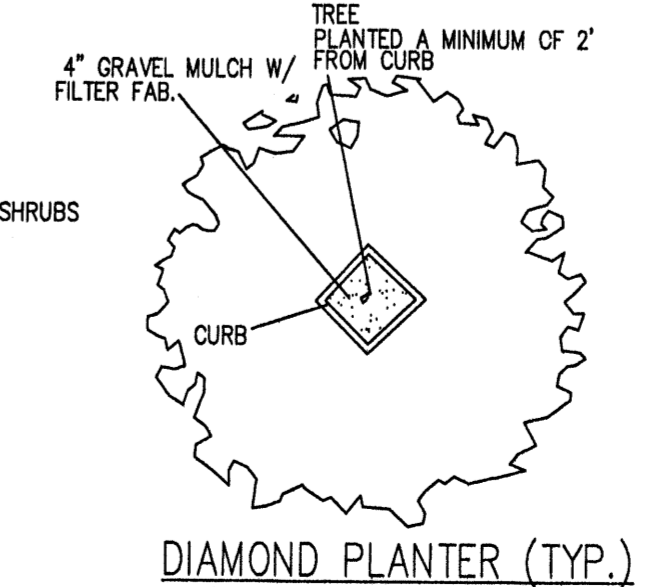
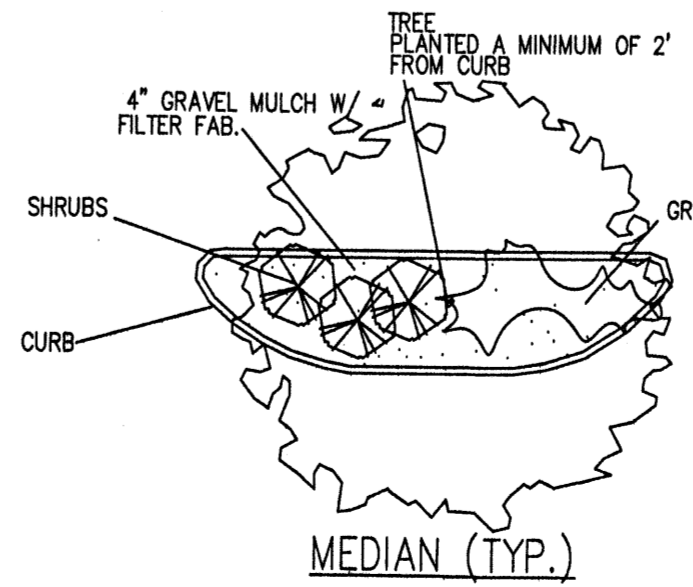
**PLANT LEGEND**

- |   |   |
|---|---|
| ASH (H) 27<br><i>Fraxinus pennsylvanica</i>   | AUSTRIAN PINE (H) 4<br><i>Pinus nigra</i>   |
| HONEY LOCUST (H) 27<br><i>Gleditsia triacanthos</i>   | AFGAN PINE (H) 3<br><i>Pinus nigra</i><br>8" Min.   |
| CHINESE PISTACHE (M) 27<br><i>Pistachia chinensis</i>   | PINON PINE (M) 10<br><i>Pinus edulis</i><br>8" Min.   |
| GOLDEN RAIN TREE (M) 27<br><i>Koeleruteria paniculata</i><br>2" Cal.                          | ROSEMARY (M) 89<br><i>Rosmarinus officinalis</i><br>2 Gal. 36sf                             |
| PURPLE-LEAF PLUM (M) 113<br><i>Prunus spp.</i><br>2" Cal.                                     | POTENTILLA (M) 139<br><i>Potentilla fruticosa</i><br>2 Gal. 9sf                             |
| SILVERBERRY (M) 171<br><i>Elaeagnus pungens</i><br>5 Gal. 100sf                               | HONEYSUCKLE (M) 170<br><i>Lonicera sempervirens</i><br>1 Gal. 200sf<br>Unstaked-Groundcover |
| THREE-LEAF SUMAC (L) 132<br><i>Rhus trilobata</i><br>5 Gal. 36sf                              | WILDFLOWER 335<br>1 Gal. 4sf  |
| NANDINA (M) 74<br><i>Nandina domestica</i><br>5 Gal. 25sf                                     | 3/4" GRAY GRAVEL WITH FILTER FABRIC   |
| INDIAN HAWTHORN (M) 105<br><i>Raphiolepis indica</i><br>5 Gal. 25sf                           | OVERSIZED GRAVEL & 3 BOULDERS   |
| TAM JUNIPER (M) 51<br><i>Juniperus sabina</i><br>5 Gal. 250sf<br>(symbol represents 3 plants) |   |

ALL TREES SHALL BE PLANTED AT A MINIMUM OF 2" CALIPER AND ALL EVERGREEN TREES MUST BE PLANTED AT A MINIMUM OF 8-FEET HIGH.

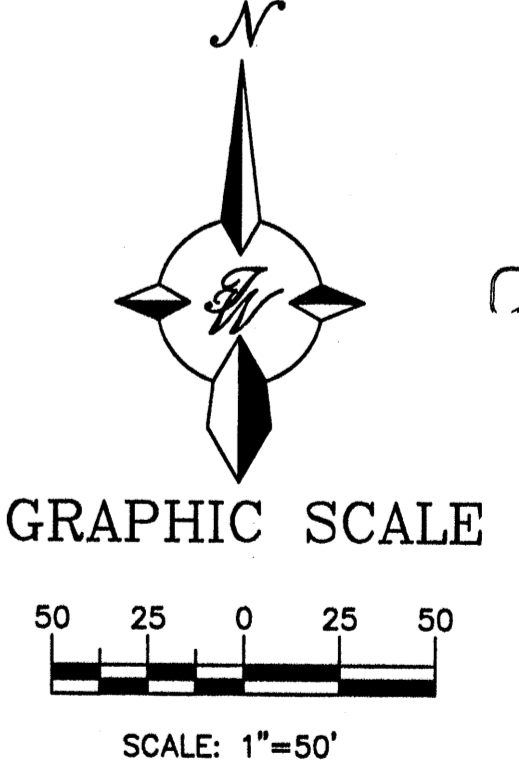
**LANDSCAPE CALCULATIONS**

NET LANDSCAPE AREA	
TOTAL LOT AREA	890,689 square feet
TOTAL BUILDINGS AREA	221,041 square feet
NET LOT AREA	669,648 square feet
LANDSCAPE REQUIREMENT	15%
TOTAL LANDSCAPE REQUIREMENT	102,531 square feet
TOTAL LANDSCAPE PROVIDED	103,019 square feet
TOTAL BED PROVIDED	103,019 square feet
TOTAL SOD PROVIDED	0 square feet
TOTAL NATIVE SEED PROVIDED	0 square feet



**The Hilltop**

LANDSCAPE ARCHITECTS & CONTRACTORS  
Cont. Lic. #26458  
7909 Edith N.E.  
Albuquerque, NM 87184  
Ph. (505) 898-9690  
Fax (505) 898-7737  
cmd@hilltoplandscaping.com



LANDSCAPE ARCHITECTS SEAL STATE OF NEW MEXICO JAMES DEFLON REGISTERED LANDSCAPE ARCHITECT 2-14-03	ALBUQUERQUE WAL-MART EXPANSION, NM: 850-03	DRAWN BY CMD
	LANDSCAPE PLAN	DATE 8/28/02
JAMES J. DEFLON #0007	TERRA WEST, LLC 8509 JEFFERSON NE ALBUQUERQUE, NEW MEXICO 87113 (505)858-3100	HTLS-01
		SHEET # L-1
		JOB # 21075



WALMART SIGN: SUNGUARD WEATHERABLE POLYCARBONATE

ALL OTHERS: STA-TUFF ACRYLIC

C/A022-SIGN

SIGNAGE SCHEDULE

FRONT SIGNAGE	QTY	COLOR	INDIVIDUAL AREA	TOTAL AREA
WAL*MART	5	RED	189 SF	945 SF
SUPERCENTER	5	RED	39.17 SF	195.85 SF
Always	2	RED	145.64 SF	291.28 SF
Food Center	1	RED	50.47 SF	50.47 SF
Low Prices	1	RED	44.38 SF	44.38 SF
Produce	1	RED	11.88 SF	11.88 SF
Meat	1	RED	6.84 SF	6.84 SF
Deli	1	RED	5.30 SF	5.30 SF
Bakery	1	RED	10.25 SF	10.25 SF
Optical	1	RED	10.26 SF	10.26 SF
Pharmacy	1	RED	14.56 SF	14.56 SF
1-Hour Photo	1	RED	16.50 SF	16.50 SF
We Sell For Less	1	RED	68.20 SF	68.20 SF
Tire & Lube	1	RED	47.70 SF	47.70 SF
Express ==>	1	RED	32.88 SF	32.88 SF
<b>TOTAL FRONT SIGNAGE</b>				<b>1751.32 SF</b>
<b>AUTO CENTER SIGNAGE</b>				
WAL*MART	1	RED	11.15 SF	11.15 SF
TIRE & LUBE	1	RED	26.25 SF	26.25 SF
EXPRESS	1	RED	39.71 SF	39.71 SF
FUTURE OIL LOGO	1	---	30.00 SF	30.00 SF
Tires	3	RED	3.26 SF	9.78 SF
Lube Express	3	RED	8.96 SF	26.88 SF
<b>TOTAL AUTO CENTER SIGNAGE</b>				<b>143.77 SF</b>
<b>TOTAL BUILDING SIGNAGE</b>				<b>1895.09 SF</b>

STIPULATION FOR REUSE  
 THE DRAWING WAS PREPARED FOR  
 THE PROJECT AND SITE SPECIFIC  
 INFORMATION. WITH THE USE  
 OF THIS DRAWING FOR ANY OTHER  
 PROJECT WITHOUT THE WRITTEN  
 PERMISSION OF THE ARCHITECT  
 OR ENGINEER IS PROHIBITED AND  
 THE USER ASSUMES ALL LIABILITY  
 FOR ANY DAMAGE OR INJURY THAT  
 MAY BE INCURRED BY THE USER.

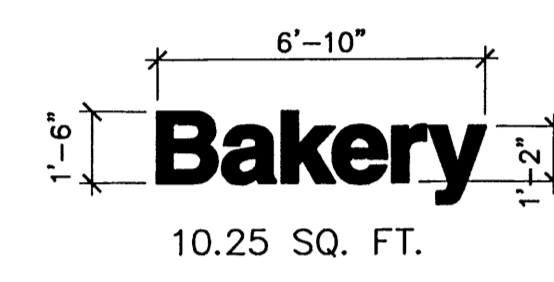
CONSULTANTS

WALMART  
 SUPERCENTER  
 ALBUQUERQUE (C), NM  
 STORE NO. 850  
 JOB NUMBER: 0220031  
 PHOTO: 192

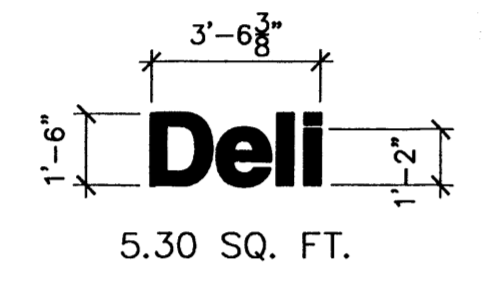
ISSUE BLOCK


192-A022

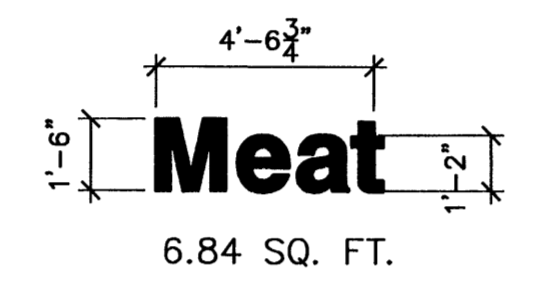
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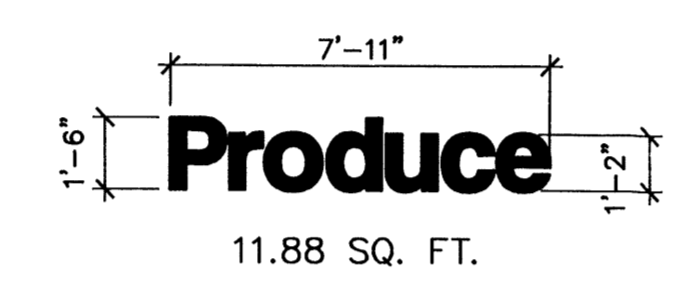
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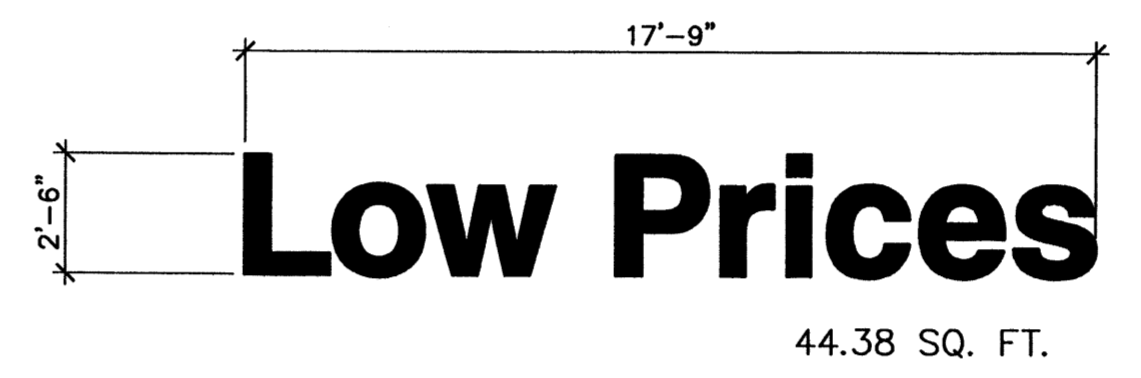
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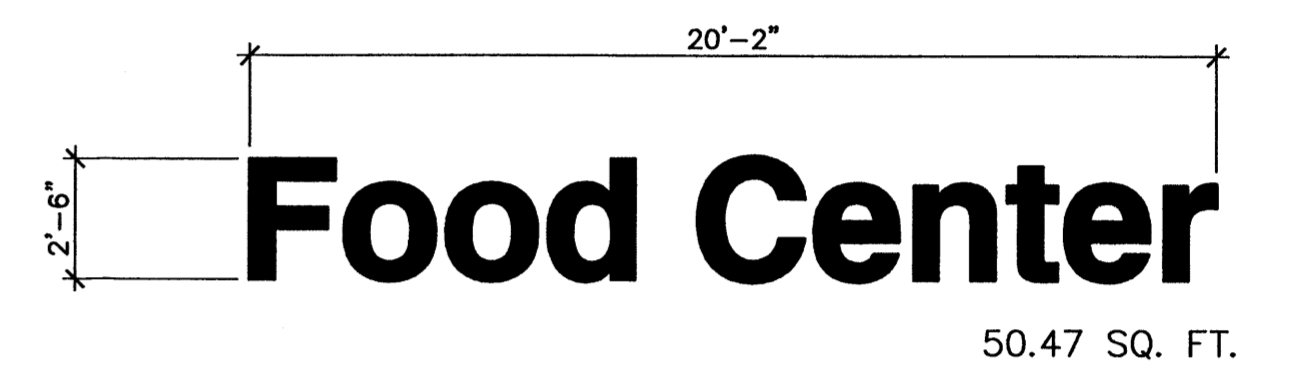
15 SIGNAGE  
 1/4" = 1'-0"



14 SIGNAGE  
 1/4" = 1'-0"



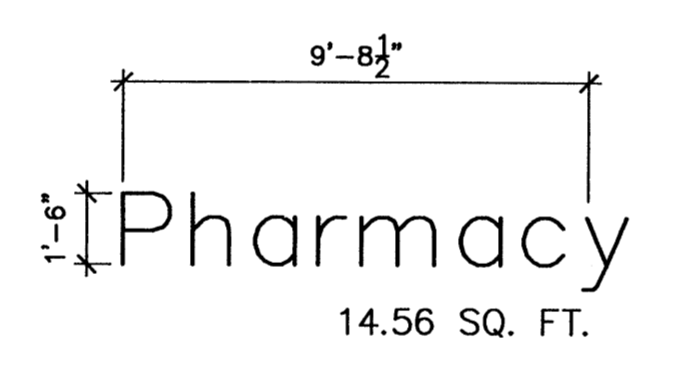
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 1/4" = 1'-0"



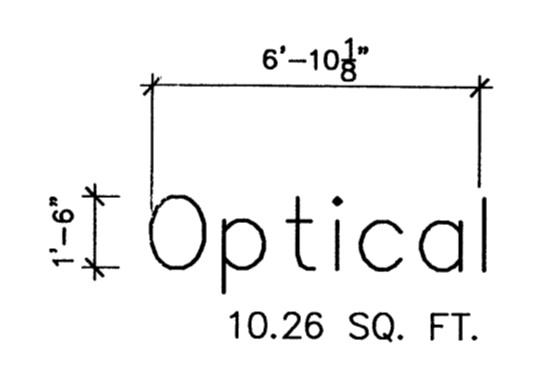
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 1/4" = 1'-0"



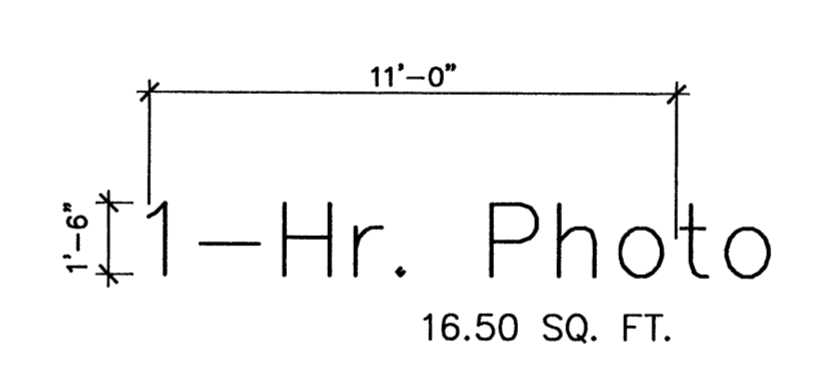
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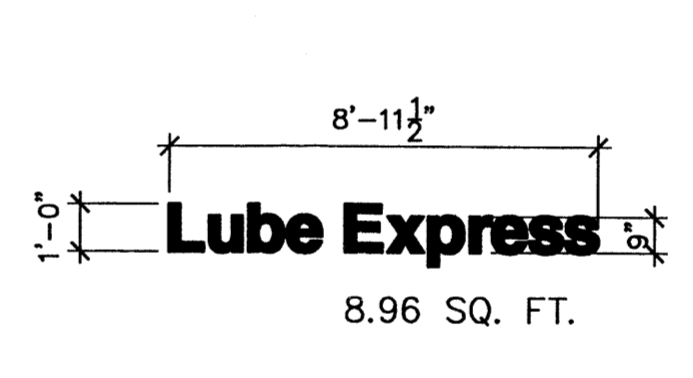
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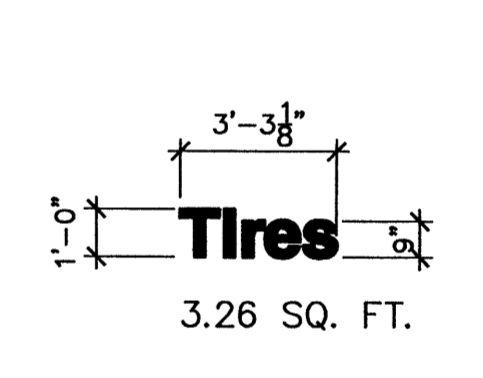
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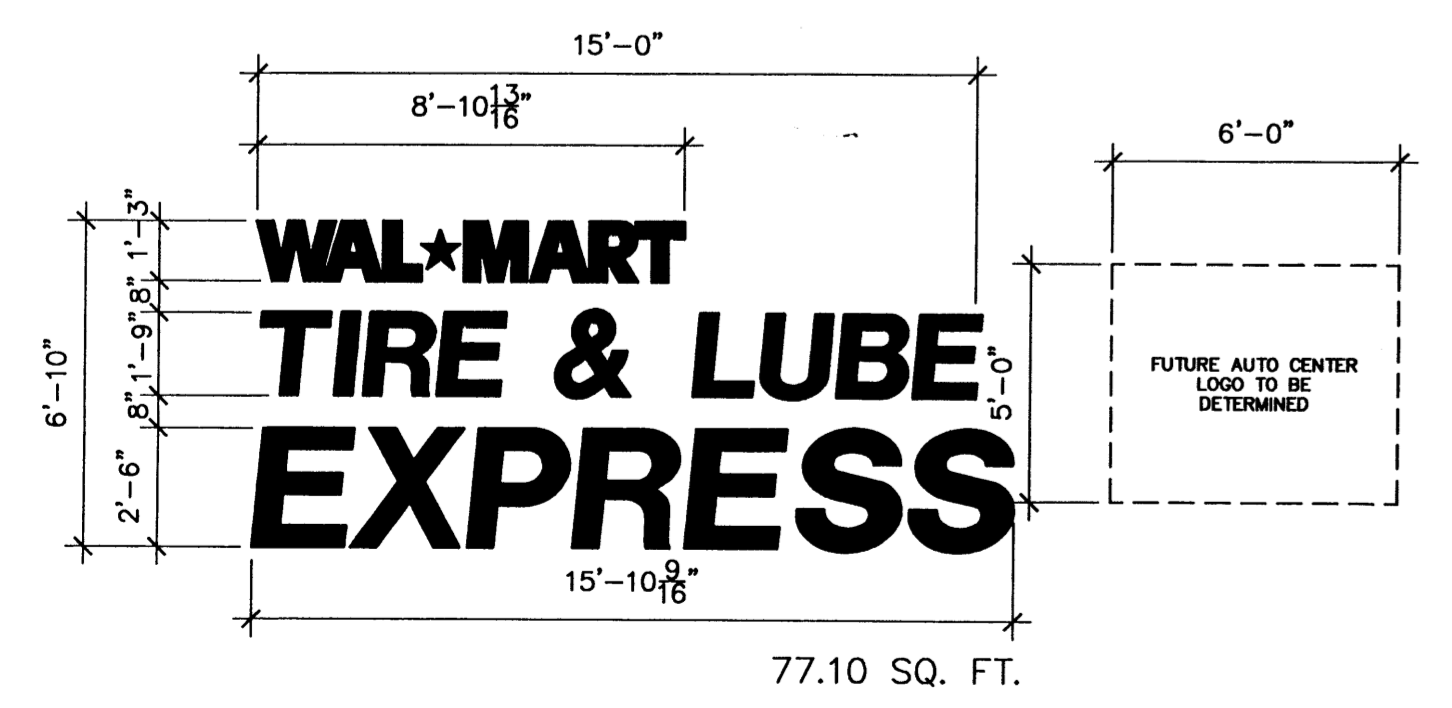
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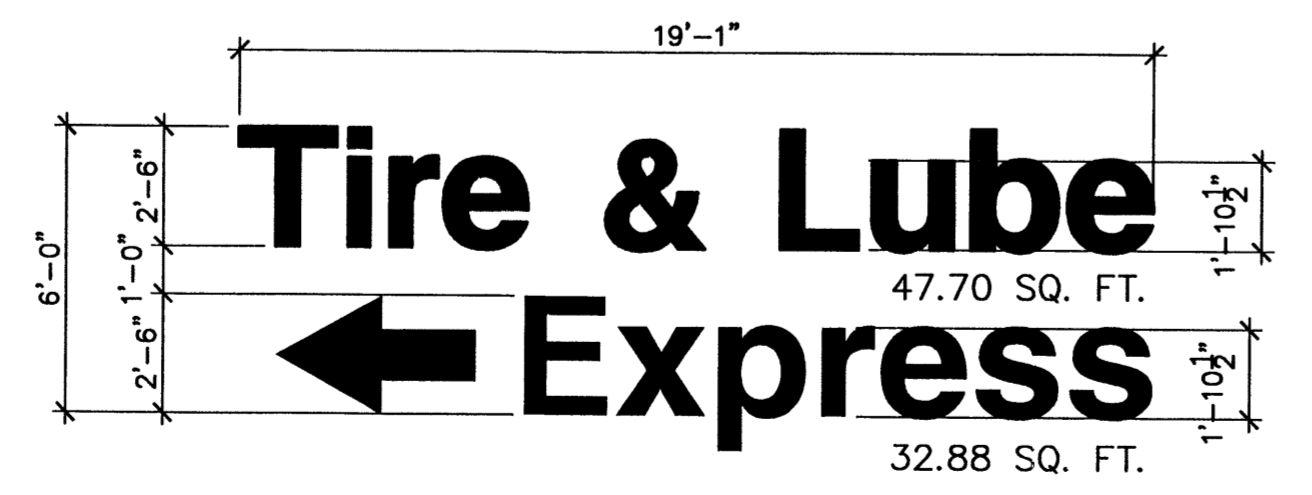
7 SIGNAGE  
 1/4" = 1'-0"



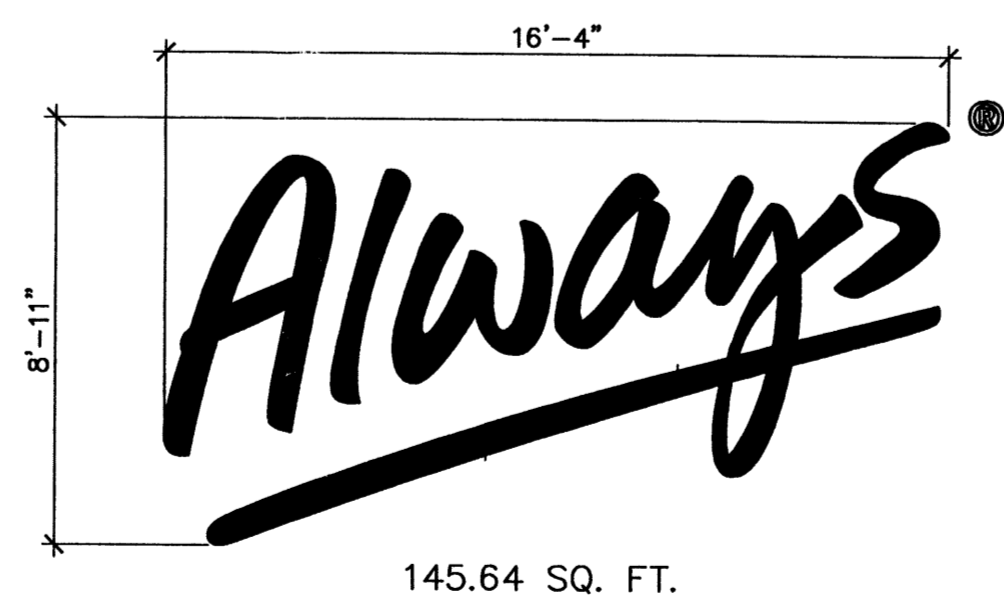
6 SIGNAGE  
 1/4" = 1'-0"



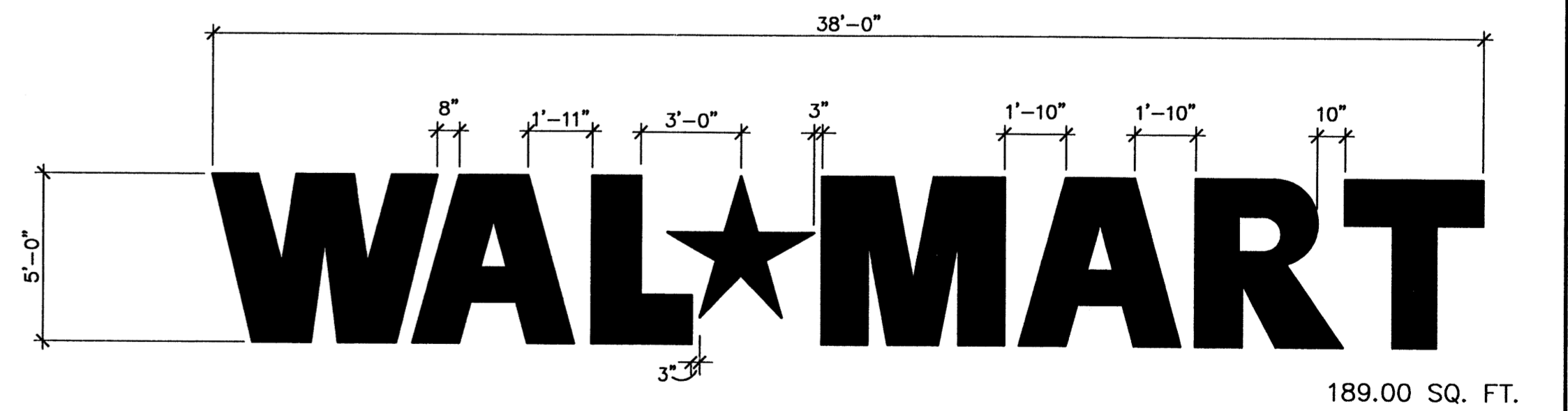
5 SIGNAGE  
 1/4" = 1'-0"



4 SIGNAGE  
 1/4" = 1'-0"



3 SIGNAGE  
 1/4" = 1'-0"



2 SIGNAGE  
 1/4" = 1'-0"



1 SIGNAGE  
 1/4" = 1'-0"

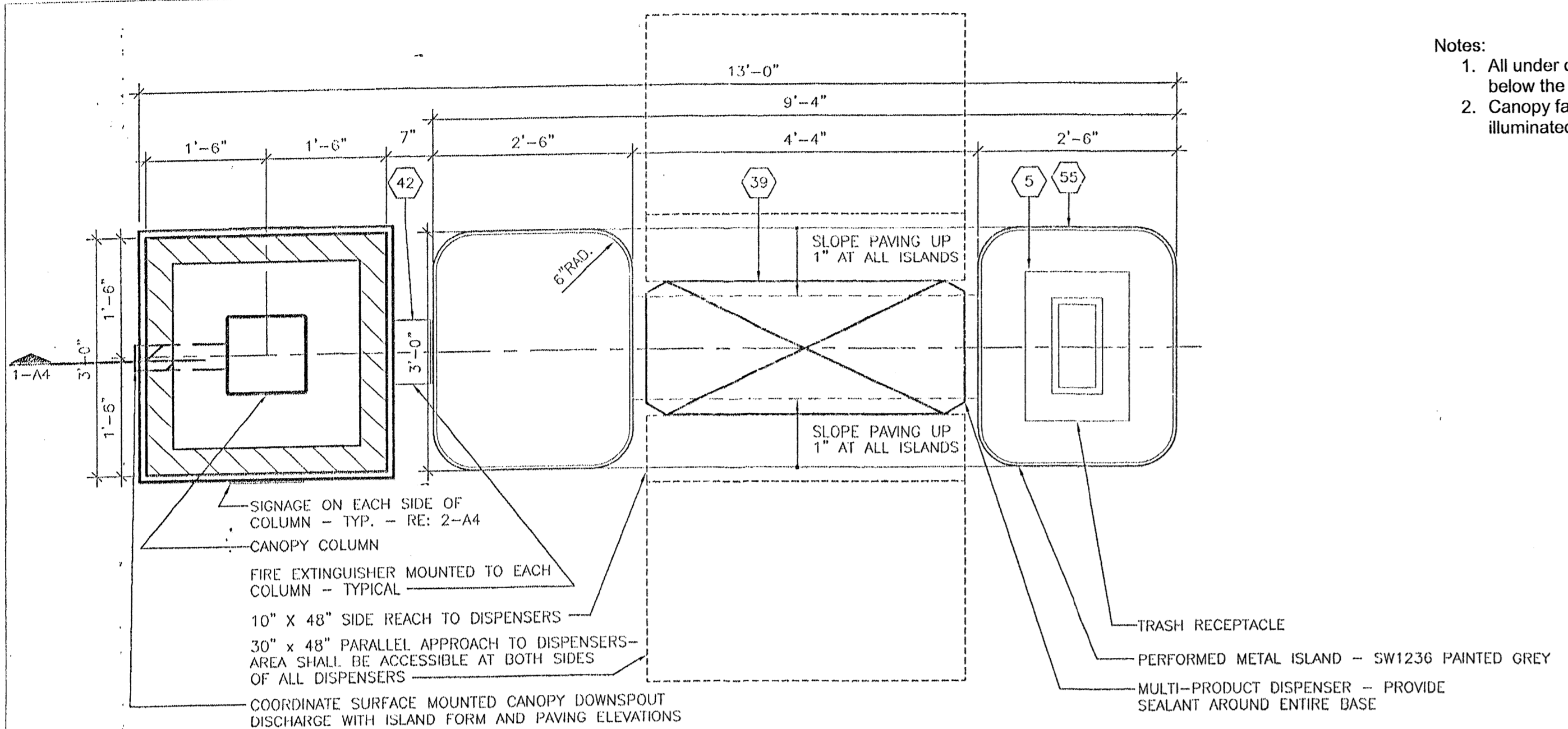
SIGNAGE  
 SHEET: 5A

**GENERAL NOTES**

- CANOPY MANUFACTURER SHALL COORDINATE ALL SIGNAGE REQUIREMENTS FOR CANOPY AND SPANDRELS WITH SAM'S CONSTRUCTION MANAGER AND WAL-MART SIGNAGE SHOP.
- ALL TOPS AND FOOTING ELEVATIONS SHALL BE COORDINATED WITH GENERAL CONTRACTOR TO ACCOMMODATE UNDERGROUND PIPING AND DISPENSER SUMPS.
- CANOPY MANUFACTURER SHALL PROVIDE TO GENERAL CONTRACTOR, CONSTRUCTION MANAGER AND ARCHITECT SHOP DRAWINGS FOR CANOPY AND FOOTINGS PRIOR TO START OF CONSTRUCTION - NO CONSTRUCTION CAN START ON CANOPY UNTIL SHOP DRAWINGS HAVE BEEN RECEIVED AND APPROVED BY CONSTRUCTION MANAGER AND ARCHITECT.
- CANOPY MANUFACTURER SHALL COORDINATE ALL CANOPY COLORS WITH CONSTRUCTION MANAGER AND ARCHITECT.
- COORDINATE CONSTRUCTION PHASING WITH CONSTRUCTION MANAGER
- ANCHOR BOLTS, ANCHOR BOLT TEMPLATE AND THE FOOTING DESIGN SHALL BE PROVIDED BY CANOPY MANUF. TO THE GENERAL CONTRACTOR. THE GENERAL CONTRACTOR SHALL INSTALL FOOTINGS AS PER THE CANOPY SHOP DRAWING DESIGN.
- THE GENERAL CONTRACTOR SHALL GROUT ALL CANOPY COLUMNS AT BASE PLATE.
- CANOPY SIGNAGE SUMMARY:**  
NORTH AND SOUTH ELEVATIONS:  
CANOPY FASCIA = 510 SQ. FT. EA. ELEV.  
  
EAST AND WEST ELEVATIONS:  
CANOPY FASCIA = 86 SQ. FT. EA. ELEV.  
PROPOSED TOTAL SIGNAGE = 27.5 SQ. FT. EA. ELEV.
- THE ENTIRE CANOPY INCLUDING ITEMS LISTED IN NOTE 6 SHALL BE SUPPLIED BY AND INSTALLED BY CANOPY MANUFACTURER - THE FOOTINGS FOR THE CANOPY SHALL BE BY THE GENERAL CONTRACTOR.
- ALL CONCRETE RESIDUE, DUST, DIRT AND PROTECTIVE PLASTIC WRAP TO BE REMOVED FROM DISPENSERS, ISLAND FORMS, CANOPY - COLUMNS, WASTE RECEPTACLES, ETC.

**HARRISON FRENCH**  
**ARCHITECTURE**  
502 S.W. A Street  
Bentonville, Arkansas 72712  
Telephone 501/273-7780

- Notes:**
- All under canopy lighting shall be recessed so that no light lens projects below the canopy ceiling.
  - Canopy fascia shall be architecturally integrated with building design; no illuminated fascia bands are allowed.



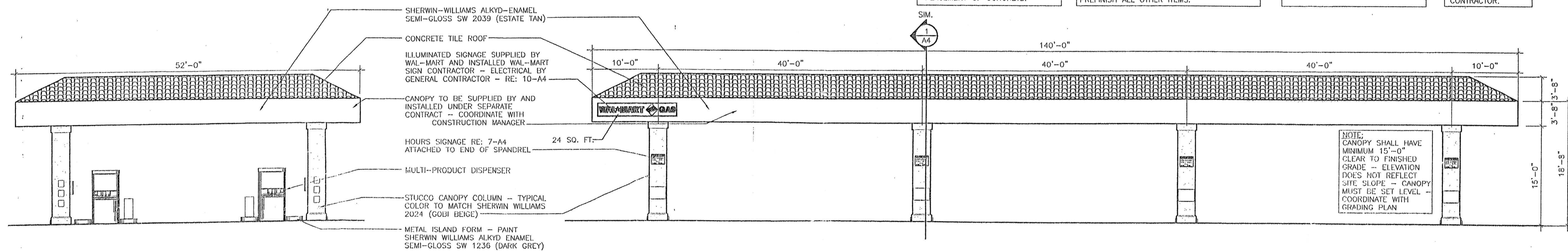
**5 ENLARGED ISLAND PLAN**  
3/4" = 1'-0"

**NOTE:**  
USE OF WOODEN BLOCKS ARE ACCEPTABLE TO LEVEL DISPENSER ISLAND; ALL WOOD MUST BE REMOVED PRIOR TO FINAL PLACEMENT OF CONCRETE.

**NOTE:**  
THE GENERAL CONTRACTOR SHALL PREP AND PAINT ALL CANOPY COLUMNS AND ISLAND FORMS - THE CANOPY MANUFACTURER SHALL PREFINISH ALL OTHER ITEMS.

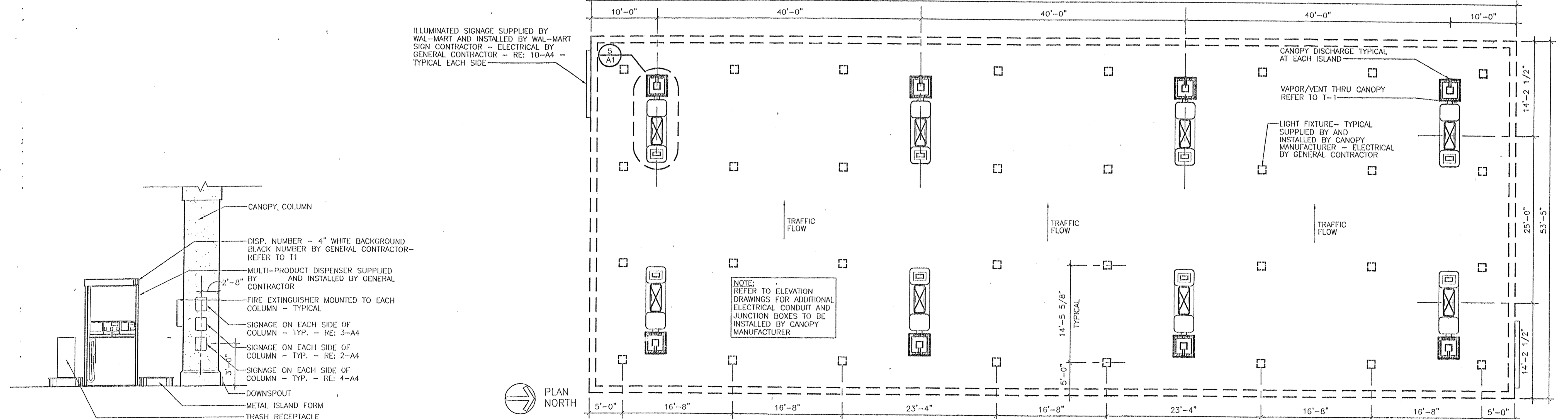
**NOTE:**  
SIGNAGE CONTRACTOR SHALL COORDINATE EXACT LOCATIONS OF ILLUMINATED FASCIA SIGNAGE WITH CONSTRUCTION MANAGER PRIOR TO PLACEMENT OF SIGNS.

**NOTE:**  
ALL SIGNAGE ON THIS SHEET SHALL BE SUPPLIED BY AND INSTALLED BY WAL-MART SIGNAGE CONTRACTOR - ALL PERMITS REQUIRED FOR SIGNAGE SHALL BE SECURED BY WAL-MART SIGNAGE CONTRACTOR.



**4 NORTH AND SOUTH ELEVATIONS**  
1/8" = 1'-0"

**3 ELEVATION**  
1/8" = 1'-0"



**2 DISPENSER ELEVATION**  
1/4" = 1'-0"

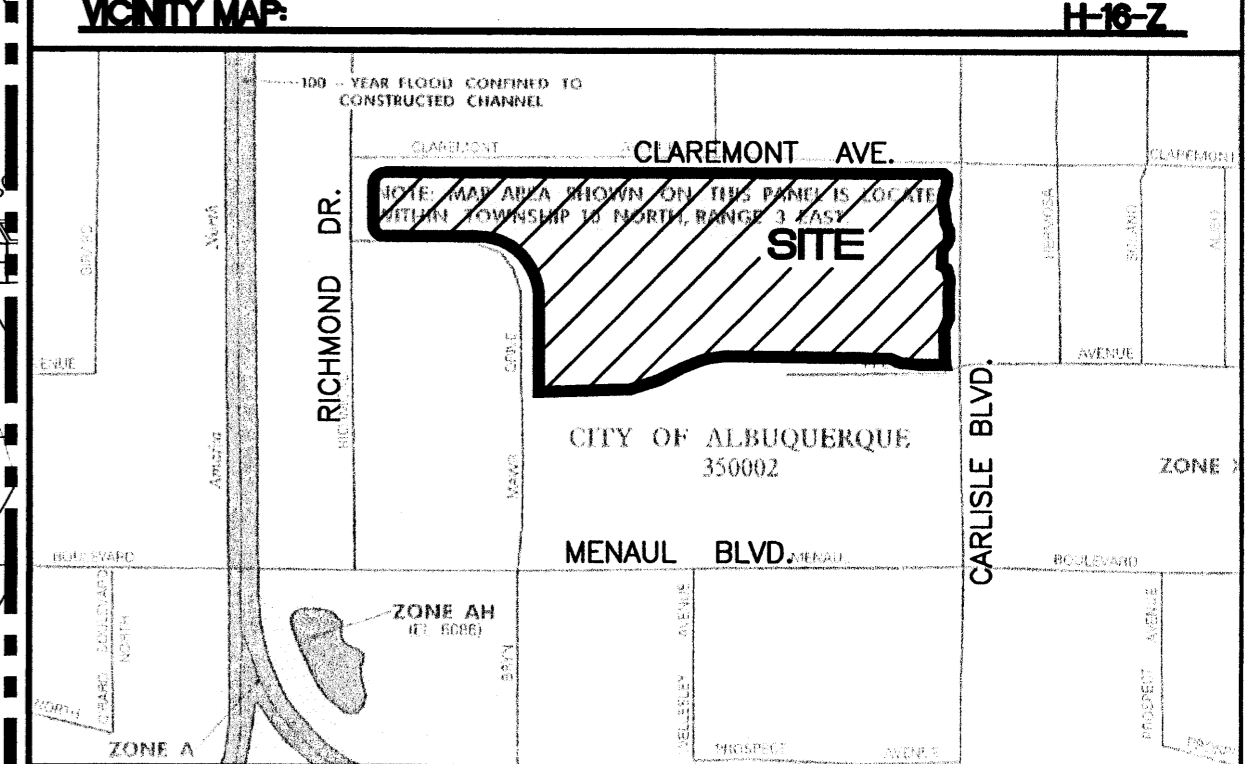
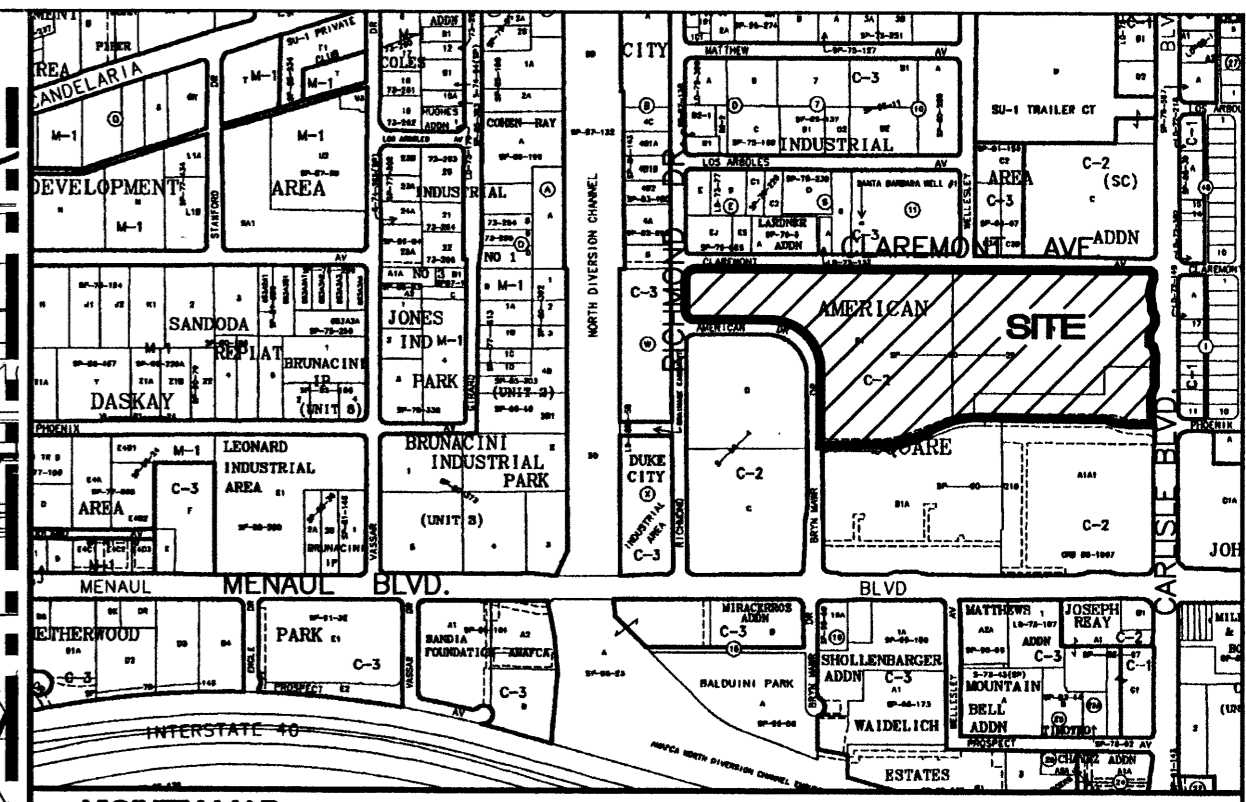
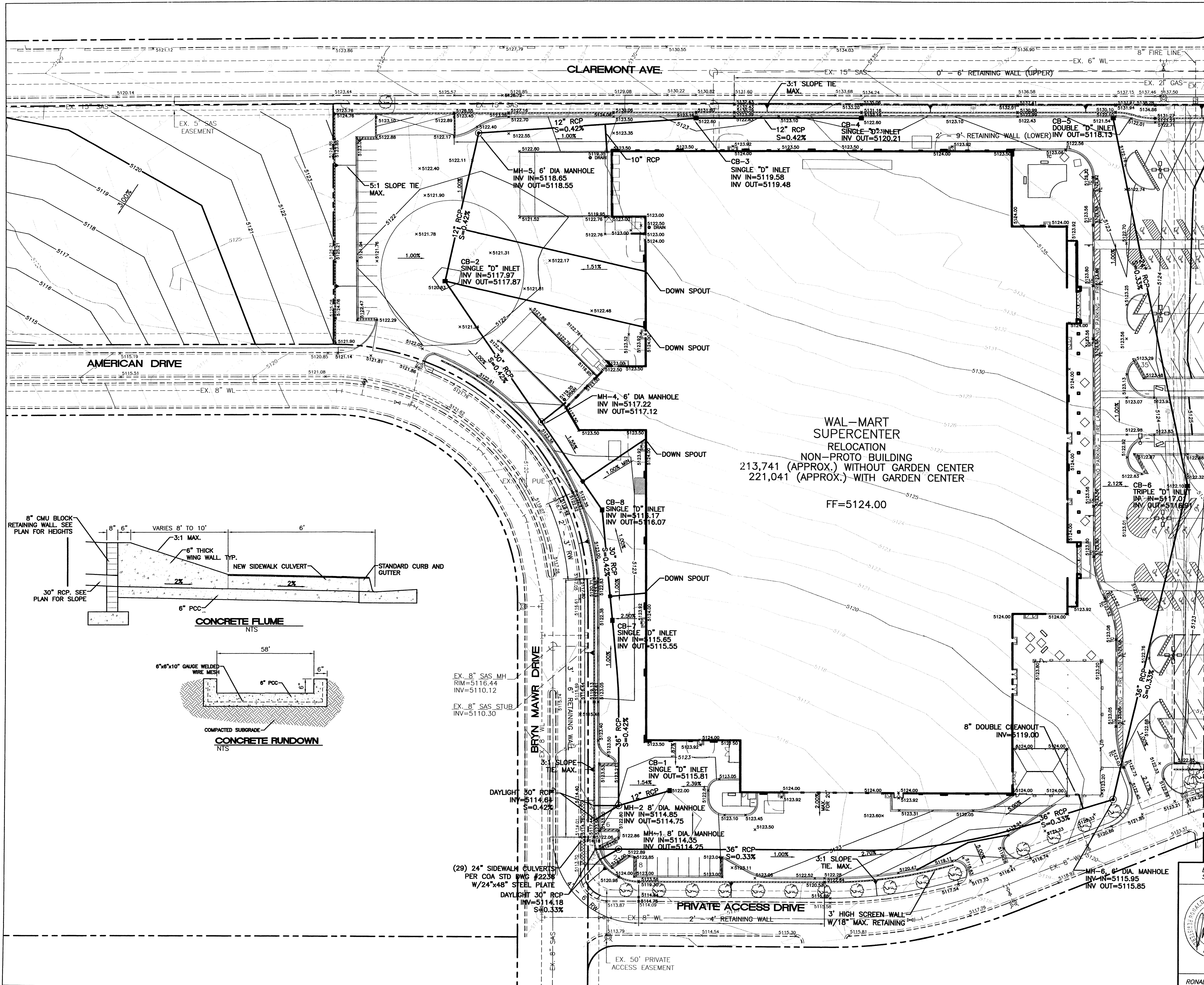
**1 CANOPY PLAN**  
1/8" = 1'-0"

Sheet Contents:

CANOPY PLAN AND ELEVATIONS

Drawn By: MEG  
Checked By: TWP  
Revisions:

Project Number: WFO086  
Date: 07-03-00  
Sheet: 1 OF 4 SHEETS

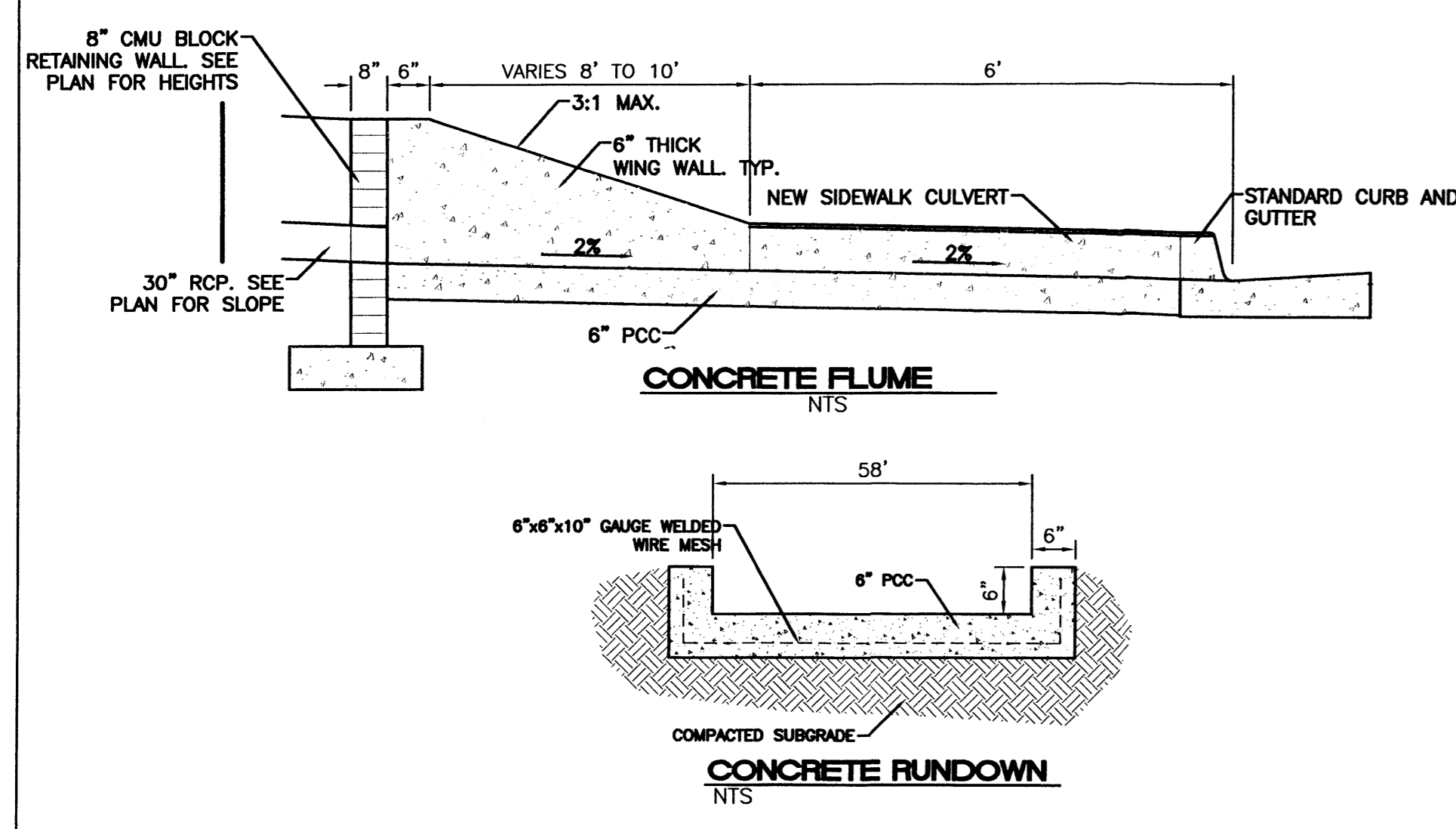
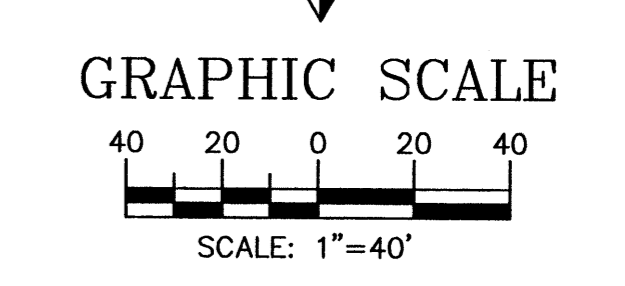
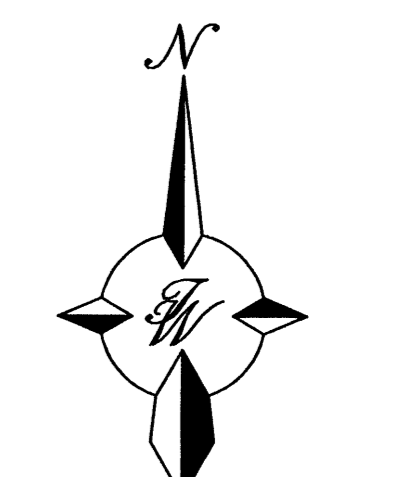


FFM MAP: 3500C0391

**LEGAL DESCRIPTION:**  
 Lots One and Two, Wal-Mart Addition AND Lot "A", Block Twenty-One, Valley View Addition, Wal-Mart Stores East, Inc.

**NOTES:**  
 SEE SHEET 11 & 12 FOR RETAINING WALL DETAILS.

- LEGEND**
- EXISTING CURB
  - - - FUTURE IMPROVEMENTS
  - EXISTING BUILDING
  - PROPOSED EXPANSION
  - PROPOSED CURB
  - BOUNDARY LINE
  - GRADE CHANGE
  - x 5257.73 PROPOSED GRADE ELEVATION
  - x 5257.18 EXISTING GRADE ELEVATION



ENGINEER'S SEAL  RONALD R. BOHANNAN P.E. #7868	<b>ALBUQUERQUE WAL-MART EXPANSION, NM: 831-02</b>	DRAWN BY: BDG DATE: 04/10/03 2175GR.DWG
	<b>GRADING AND DRAINAGE PLAN - A</b>	SHEET # <b>6</b> JOB # 21075
TIERRA WEST, LLC 8509 JEFFERSON NE ALBUQUERQUE, NEW MEXICO 87113 (505)858-3100		



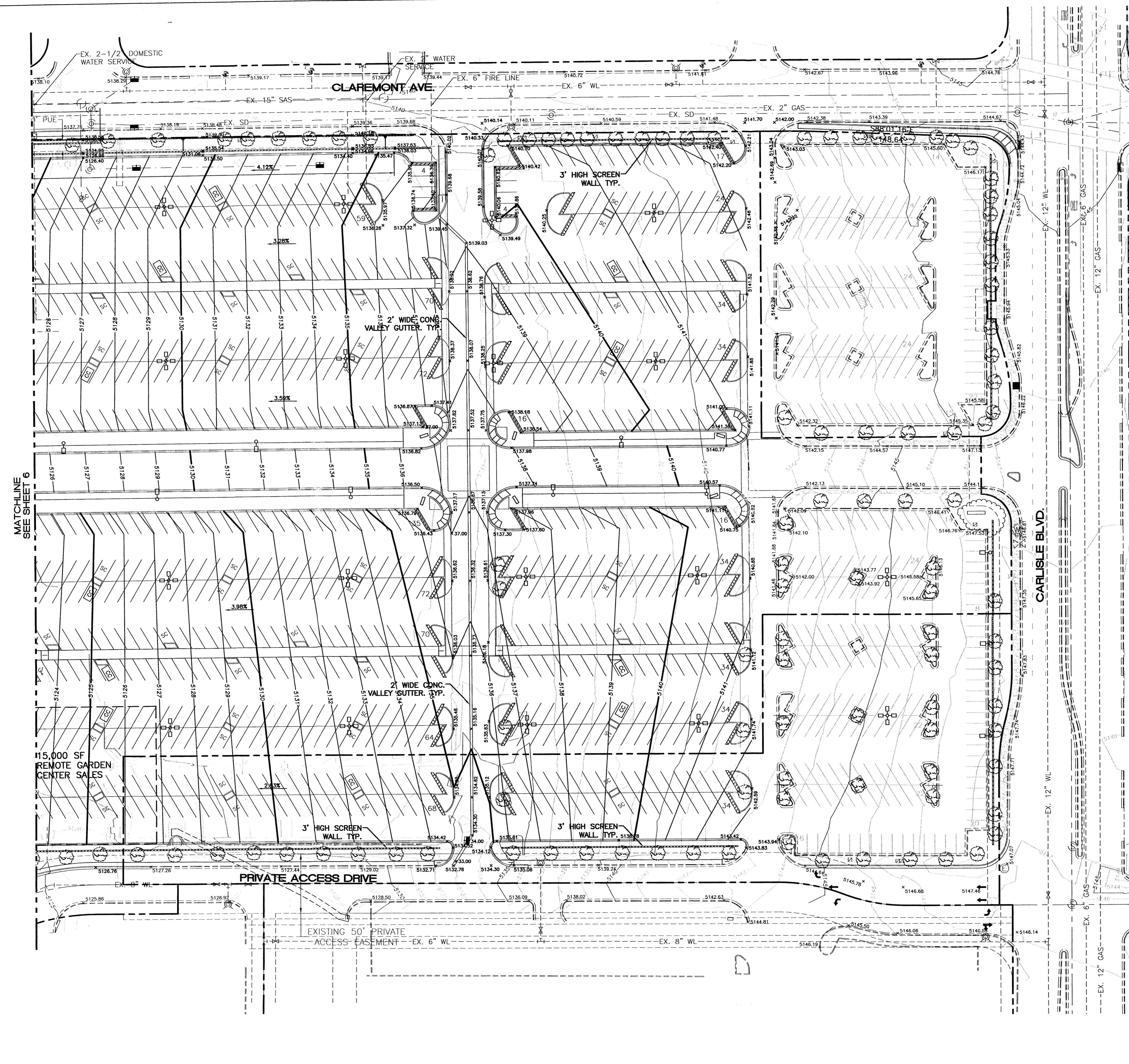
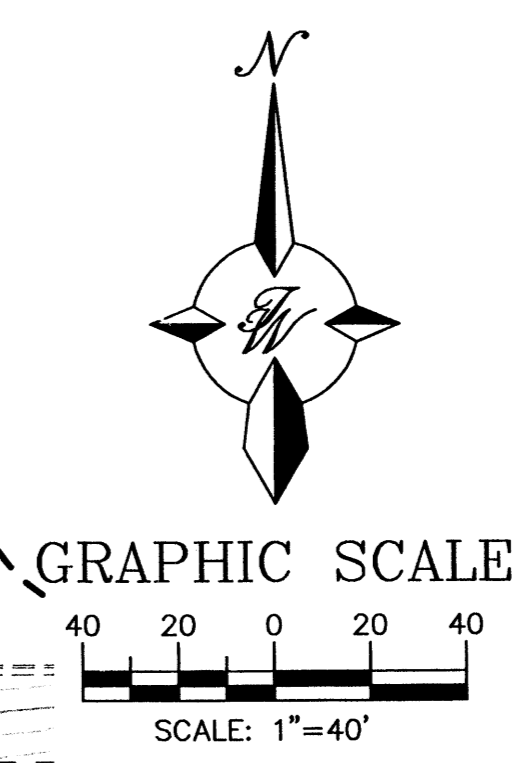
**SITE GRADING NOTES**

1. THE EARTHWORK FOR ALL BUILDING FOUNDATIONS AND SLABS SHALL BE IN ACCORDANCE WITH ARCHITECTURAL BUILDING PLANS AND SPECIFICATIONS.
2. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANIES AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
3. ALL CUT OR FILL SLOPES SHALL BE 3:1 OR FLATTER UNLESS OTHERWISE NOTED.
4. PRECAST STRUCTURES MAY BE USED AT CONTRACTORS OPTION.
5. STORM PIPE SHALL BE AS FOLLOWS UNLESS OTHERWISE NOTED:  
TYPE 1: RCP, CLASS III PER ASTM C-76, WITH FLEXIBLE PLASTIC BITUMEN GASKETS AT JOINTS.  
TYPE 2: SPIRAL RIB METAL PIPE TYPE 1R: GALVANIZED, ALUMINIZED, OR BITUMINOUS COATED AS SPECIFIED ON CONSTRUCTION DRAWINGS. ONLY PERMITTED WHEN SPECIFICALLY INDICATED ON CONSTRUCTION DRAWINGS. PIPE ENDS SHALL BE RE-CORRUGATED AND INSTALLED WITH SEMI-CORRUGATED HUGGER-TYPE BANDS AND "O" RING GASKETS IN ACCORDANCE WITH PIPE MANUFACTURER'S INSTALLATION REQUIREMENTS. SPIRAL RIB METAL PIPE MUST COMPLY WITH ASTM A 760 TYPE 1R. ACCEPTABLE MANUFACTURER: CONTECH, INC.'S ULTRA FLO OR ULTRA FLO II, CALDWELL CULVERT CO. "SMOOTH RIB", OR APPROVED EQUAL.  
TYPE 3: POLY VINYL CHLORIDE (PVC) IN ACCORDANCE WITH ASTM D 1784
6. EXISTING DRAINAGE STRUCTURES TO BE INSPECTED AND REPAIRED AS NEEDED, AND EXISTING PIPES TO BE CLEANED OUT TO REMOVE ALL SILT AND DEBRIS.
7. EXISTING GRADE CONTOUR INTERVALS SHOWN AT 1 FOOT INTERVALS.
8. PROPOSED GRADE CONTOUR INTERVALS SHOWN AT 1 FOOT INTERVALS.
9. IF ANY EXISTING STRUCTURES TO REMAIN ARE DAMAGED DURING CONSTRUCTION IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR AND/OR REPLACE THE EXISTING STRUCTURE AS NECESSARY TO RETURN IT TO EXISTING CONDITIONS OR BETTER.
10. ALL STORM PIPE ENTERING STRUCTURES SHALL BE GROUTED TO ASSURE CONNECTION AT STRUCTURE IS WATERTIGHT.
11. ALL STORM SEWER MANHOLES IN PAVED AREAS SHALL BE FLUSH WITH PAVEMENT, AND SHALL HAVE TRAFFIC BEARING LIDS. MANHOLES IN UNPAVED AREAS SHALL BE 6" ABOVE FINISH GRADE. LIDS SHALL BE LABELED "STORM SEWER".
12. THE CONTRACTOR SHALL ADHERE TO ALL TERMS & CONDITIONS AS OUTLINED IN THE GENERAL N.P.D.E.S. PERMIT FOR STORMWATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITIES.
13. CONTRACTOR SHALL ADJUST AND/OR CUT EXISTING PAVEMENT AS NECESSARY TO ASSURE A SMOOTH FIT AND CONTINUOUS GRADE.
14. CONTRACTOR SHALL ASSURE POSITIVE DRAINAGE AWAY FROM BUILDINGS FOR ALL NATURAL AND PAVED AREAS.
15. TOPOGRAPHIC INFORMATION TAKEN FROM A TOPOGRAPHIC SURVEY BY ANY LAND SURVEYORS, IF CONTRACTOR DOES NOT ACCEPT EXISTING TOPOGRAPHY AS SHOWN ON THE PLANS, WITHOUT EXCEPTION, HE SHALL HAVE MADE, AT HIS EXPENSE, A TOPOGRAPHIC SURVEY BY A REGISTERED LAND SURVEYOR AND SUBMIT IT TO THE OWNER FOR REVIEW.
16. ALL UNSURFACED AREAS DISTURBED BY GRADING OPERATION SHALL RECEIVE 4 INCHES OF TOPSOIL. CONTRACTOR SHALL APPLY STABILIZATION FABRIC TO ALL SLOPES 3:1V OR STEEPER. CONTRACTOR SHALL USE NATIVE SEEDING IN DISTURBED AREAS IN ACCORDANCE WITH CITY/COUNTY SPECIFICATIONS UNTIL A HEALTHY STAND OF VEGETATION IS OBTAINED.
17. CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE GOVERNING CODES AND BE CONSTRUCTED TO SAME.
18. ALL STORM STRUCTURES SHALL HAVE A SMOOTH UNIFORM POURED MORTAR INVERT FROM INVERT IN TO INVERT OUT.
19. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL UTILITIES AND NOTIFYING THE APPROPRIATE UTILITY COMPANY PRIOR TO BEGINNING CONSTRUCTION.
20. CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING STORM SEWER STRUCTURES, PIPES, AND ALL UTILITIES PRIOR TO CONSTRUCTION.
21. SITEWORK SHALL MEET OR EXCEED WAL-MART SITE SPECIFICATIONS.
22. ALL CONCRETE TO HAVE A MINIMUM 28 DAY COMPRESSION STRENGTH OF 3000 PSI.
23. CONTRACTOR SHALL REFER TO GEOTECHNICAL INVESTIGATION PREPARED BY KLEINFELDER, PROJECT #59-000045 8/21/2000. (FOR INFORMATION ONLY)

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

**LEGEND**

	EXISTING CURB
	FUTURE IMPROVEMENTS
	EXISTING BUILDING
	PROPOSED EXPANSION
	PROPOSED CURB
	BOUNDARY LINE
	GRADE CHANGE
	PROPOSED GRADE ELEVATION
	EXISTING GRADE ELEVATION



	<b>ALBUQUERQUE WAL-MART EXPANSION, NM: 831-02</b>	DRAWN BY: BDG DATE: 04/10/03 2175GR.DWG
	<b>GRADING AND DRAINAGE PLAN - B</b>	SHEET # <b>6A</b>
TIERRA WEST, LLC 8509 JEFFERSON NE ALBUQUERQUE, NEW MEXICO 87113 (505)858-3100		JOB # 21075

SITE UTILITY NOTES

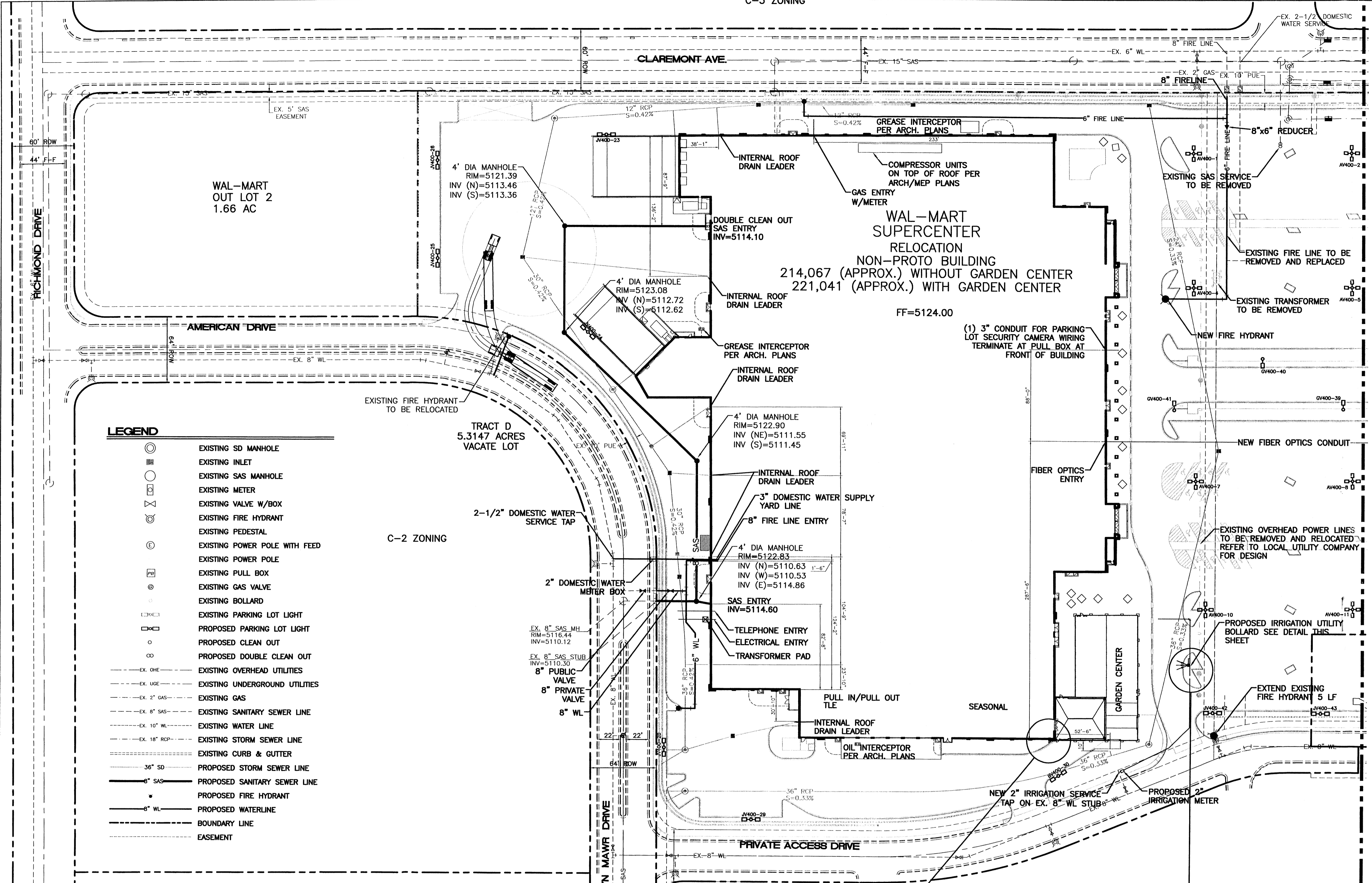
- CONTRACTOR IS RESPONSIBLE FOR REPAIRS OF DAMAGE TO ANY EXISTING UTILITY DURING CONSTRUCTION AT NO COST TO THE OWNER.
- SEE SPECIFICATIONS FOR BACKFILLING AND COMPACTION REQUIREMENTS ON UTILITY TRENCHES.
- ALL FILL MATERIAL IS TO BE IN PLACE, AND COMPACTED BEFORE INSTALLATION OF PROPOSED UTILITIES.
- CONTRACTOR SHALL NOTIFY THE UTILITY AUTHORITIES INSPECTORS 72 HOURS BEFORE CONNECTING TO ANY EXISTING LINE.
- SANITARY SEWER PIPE AND MANHOLE SHALL BE AS FOLLOWS:
  - 8" PVC SDR35 PER ASTM D 3034, FOR PIPES LESS THAN 12' DEEP
  - 8" PVC SDR26 PER ASTM D 3034, FOR PIPES MORE THAN 12' DEEP
  - 6" PVC SCHEDULE 40
  - DUCTILE IRON PIPE PER AWWA C150
  - MANHOLES SHALL BE PRECAST CONCRETE W/BOOTS (TRAFFIC MODEL RING & COVER)
- WATERLINES SHALL BE AS FOLLOWS:
  - A. 4" AND LARGER SHALL BE C-900 CLASS 150 PVC PER ASTM 2241. VALVES SHALL BE M&H RESILIENT SEAT AND M.J. GATE VALVES.
  - B. ALL FIRE HYDRANTS SHALL BE M&H MODEL 129 (3 WAY/BRASS SEAT) 5 1/4" VALVE OPENING, 4" BURY, M.J. FOOT, 2-1/2 HOSE NOZZLES, 1-4 1/2" STEAMER NOZZLE.
- ALL WATER JOINTS ARE TO BE MECHANICAL JOINTS WITH THRUST BLOCKING AS CALLED OUT IN SPECIFICATIONS.
- ALL UTILITIES SHOULD BE KEPT TEN (10') APART (PARALLEL) OR WHEN CROSSING 18" VERTICAL CLEARANCE (OUTSIDE EDGE OF PIPE TO OUTSIDE EDGE OF PIPE.)
- CONTRACTOR SHALL GROUT AROUND ALL PIPE ENTRIES TO SANITARY SEWER MANHOLES WITH NON-SHRINKING GROUT TO ASSURE CONNECTION IS WATER TIGHT.
- IN THE EVENT OF A VERTICAL CONFLICT BETWEEN WATERLINES, SANITARY LINES, STORM LINES AND GAS LINES (EXISTING AND PROPOSED), THE SANITARY LINE SHALL BE DUCTILE IRON PIPE WITH MECHANICAL JOINTS AT LEAST 10 FEET ON BOTH SIDES OF CROSSING, THE WATERLINE SHALL HAVE MECHANICAL JOINTS WITH APPROPRIATE THRUST BLOCKING AS REQUIRED TO PROVIDE A MINIMUM OF 18" CLEARANCE. MEETING REQUIREMENTS OF ANSI A21.10 OR ANSI 21.11 (AWWA C-151) (CLASS 50).
- LINES UNDERGROUND SHALL BE INSTALLED, INSPECTED AND APPROVED BEFORE BACKFILLING.
- TOPS OF EXISTING MANHOLES SHALL BE RAISED AS NECESSARY TO BE FLUSH WITH PROPOSED PAVEMENT ELEVATIONS WITH WATER TIGHT LIDS.
- ALL CONCRETE FOR ENCASEMENTS SHALL HAVE A MINIMUM 28 DAY COMPRESSION STRENGTH AT 3000 P.S.I.
- DRAWINGS DO NOT PURPORT TO SHOW ALL EXISTING UTILITIES.
- EXISTING UTILITIES SHALL BE VERIFIED IN FIELD PRIOR TO INSTALLATION OF ANY NEW LINES.
- REFER TO INTERIOR PLUMBING DRAWINGS FOR TIE-IN OF ALL UTILITIES.
- CONTRACTOR IS RESPONSIBLE FOR COMPLYING TO THE SPECIFICATIONS OF THE LOCAL AUTHORITIES (CITY OF ALBUQUERQUE) WITH REGARDS TO MATERIALS AND INSTALLATION OF THE WATER AND SEWER LINES.
- THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANIES AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
- ALL NECESSARY INSPECTIONS AND/OR CERTIFICATIONS REQUIRED BY CODES AND/OR UTILITY SERVICE COMPANIES SHALL BE PERFORMED PRIOR TO ANNOUNCED BUILDING POSSESSION AND THE FINAL CONNECTION OF SERVICE.
- CONTRACTOR SHALL COORDINATE WITH ALL UTILITY COMPANIES FOR INSTALLATION REQUIREMENTS AND SPECIFICATIONS.
- CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS AND SPECIFICATIONS FOR ACTUAL LOCATION OF ALL UTILITY ENTRANCES TO INCLUDE SANITARY SEWER, LATERALS, DOMESTIC AND FIRE PROTECTION WATER SERVICE, ELECTRICAL, TELEPHONE, AND GAS SERVICE. CONTRACTOR SHALL COORDINATE INSTALLATION OF UTILITIES, IN SUCH A MANNER AS TO AVOID CONFLICTS AND ASSURE PROPER DEPTHS ARE ACHIEVED AS WELL AS COORDINATING WITH CITY UTILITY REQUIREMENTS AS TO LOCATION AND SCHEDULING FOR TIE-INS/CONNECTIONS PRIOR TO CONNECTING TO EXISTING UTILITIES.
- THE CONTRACTOR SHALL CONDUCT ALL REQUIRED TESTS TO THE SATISFACTION OF THE RESPECTIVE UTILITY COMPANIES AND THE OWNER'S INSPECTING AUTHORITIES.
- CONTRACTOR SHALL COMPLY TO THE FULLEST EXTENT WITH THE LATEST STANDARDS OF OSHA DIRECTIVES OR ANY OTHER AGENCY HAVING JURISDICTION FOR EXCAVATION AND TRENCHING PROCEDURES. THE CONTRACTOR SHALL USE SUPPORT SYSTEMS, SLOPING, BENCHING, AND OTHER MEANS OF PROTECTION. THIS TO INCLUDE BUT NOT LIMITED FOR ACCESS AND EGRESS FROM ALL EXCAVATION AND TRENCHING. CONTRACTOR IS RESPONSIBLE TO COMPLY WITH PERFORMANCE CRITERIA FOR OSHA.
- THE INSTALLATION OR REPAIR OF ANY UNDERGROUND FACILITIES OR PIPING WHICH CONNECTS TO OR FURNISHES WATER FOR THE FIRE PROTECTION SPRINKLER SYSTEM SHALL BE PERFORMED ONLY BY A LICENSED UTILITY CONTRACTOR, FIRE PROTECTION SPRINKLER CONTRACTOR, OR LICENSED PLUMBER. SEE O.C.G.A. TITLE 25-11-7-(g). A COPY OF THE LICENSE OR CERTIFICATE OF COMPETENCY SHALL BE PROVIDED TO THE INSPECTOR AT THE FINAL INSPECTION.
- UTILITY WORK TO BE DONE IN FRONT OF STORE TO BE COORDINATED WITH WAL-MART CONSTRUCTION MANAGER. FRONT UTILITY WORK WILL BE DONE AT NIGHT IF NOT LOCATED BEHIND CONSTRUCTION FENCE.
- CONTRACTOR TO RELOCATE LIGHT POLE AND REPLACE LUMINAIRES AS INDICATED. CONTRACTOR TO BUILD NEW POLE BASE AND STUB WIRE AS NEEDED.
- REFER TO BUILDING PLANS FOR SITE LIGHTING ELECTRICAL PLAN.
- REFER TO SHEET 12 FOR SERVICE STATION UTILITIES.
- BACKFLOW PREVENTOR SHALL BE LOCATED INSIDE THE BUILDING.

DRY UTILITY NOTES:

- PNM IS RESPONSIBLE FOR RELOCATION AND/OR ABANDONMENT OF THEIR LINES AND PULL BOXES AS SHOWN.
- GAS COMPANY IS RESPONSIBLE FOR RELOCATION OF THEIR LINES AS SHOWN.
- COMCAST IS RESPONSIBLE FOR RELOCATION OF THEIR LINES AND MANHOLES AS SHOWN.

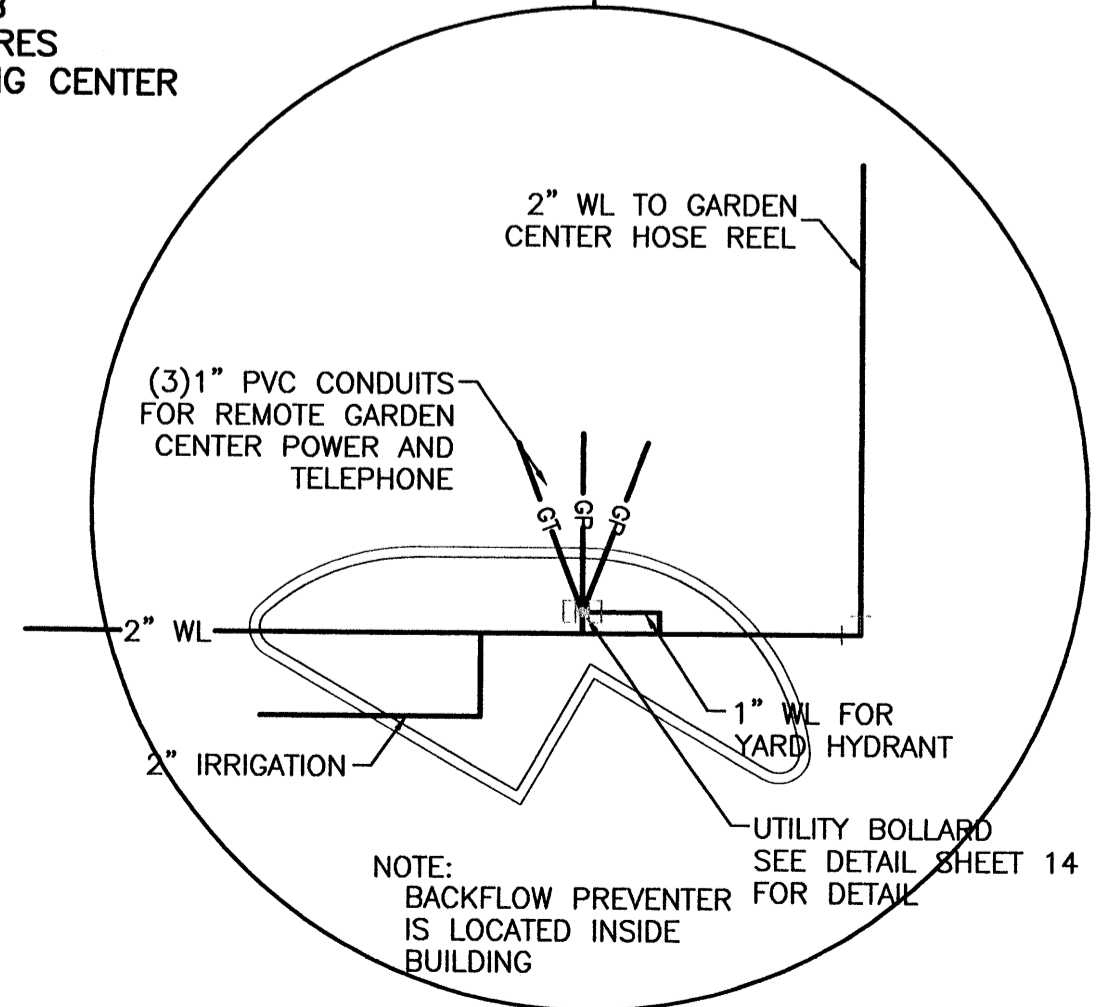
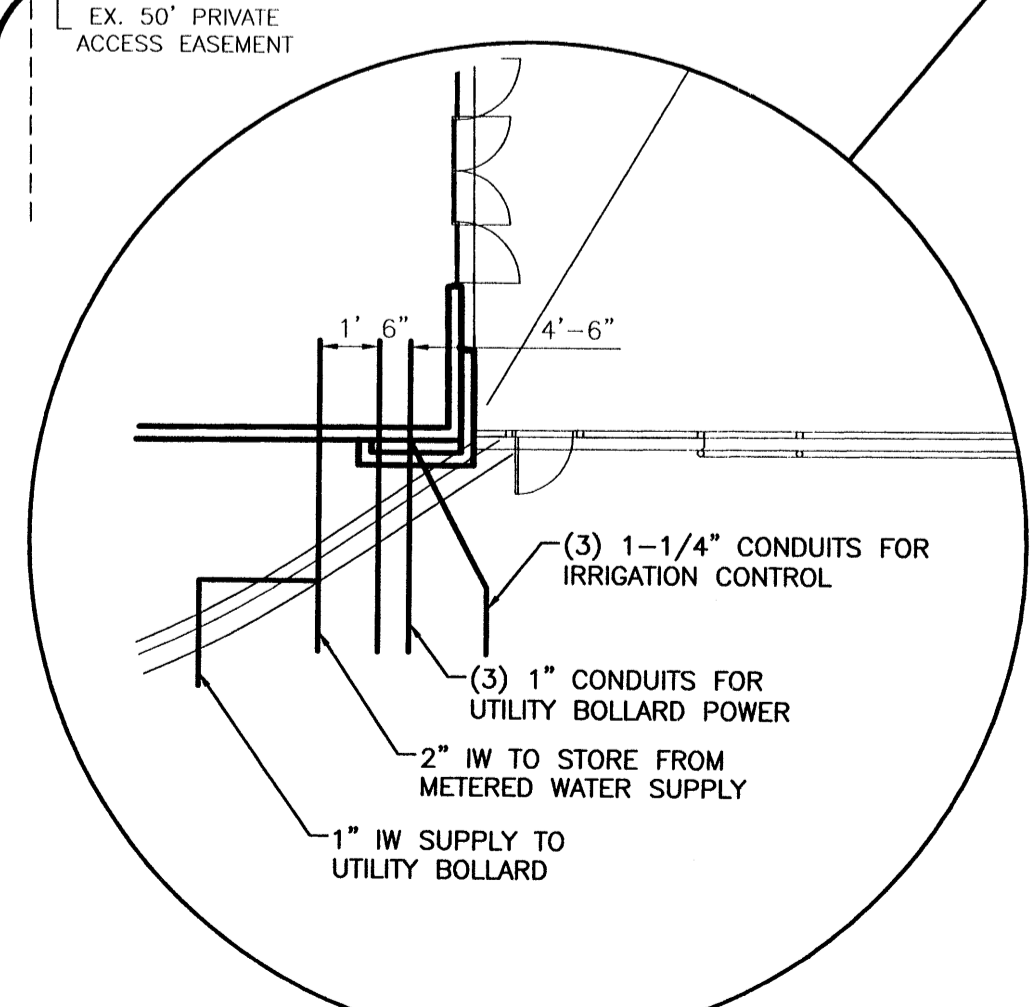
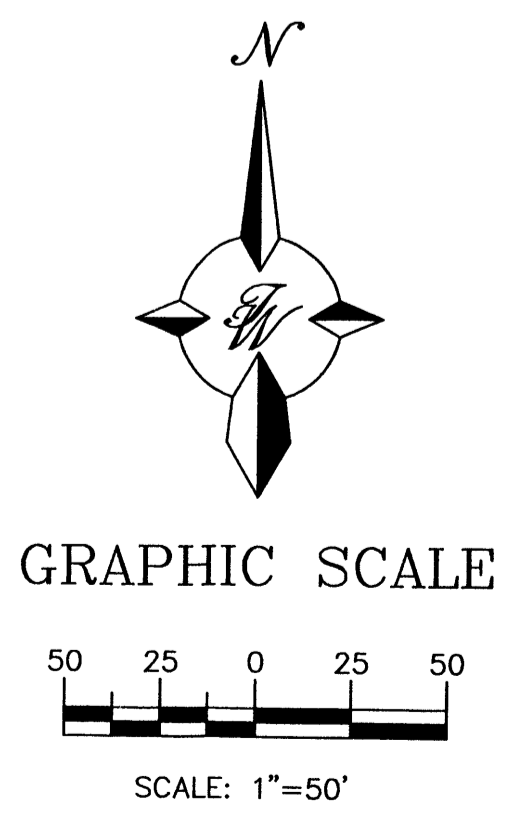
CAUTION:

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



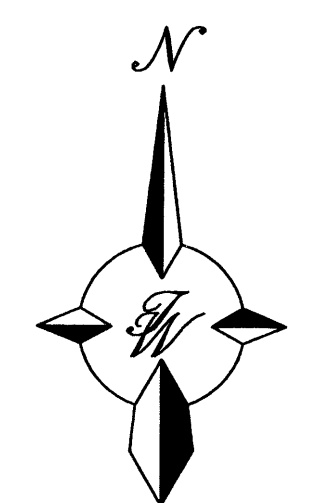
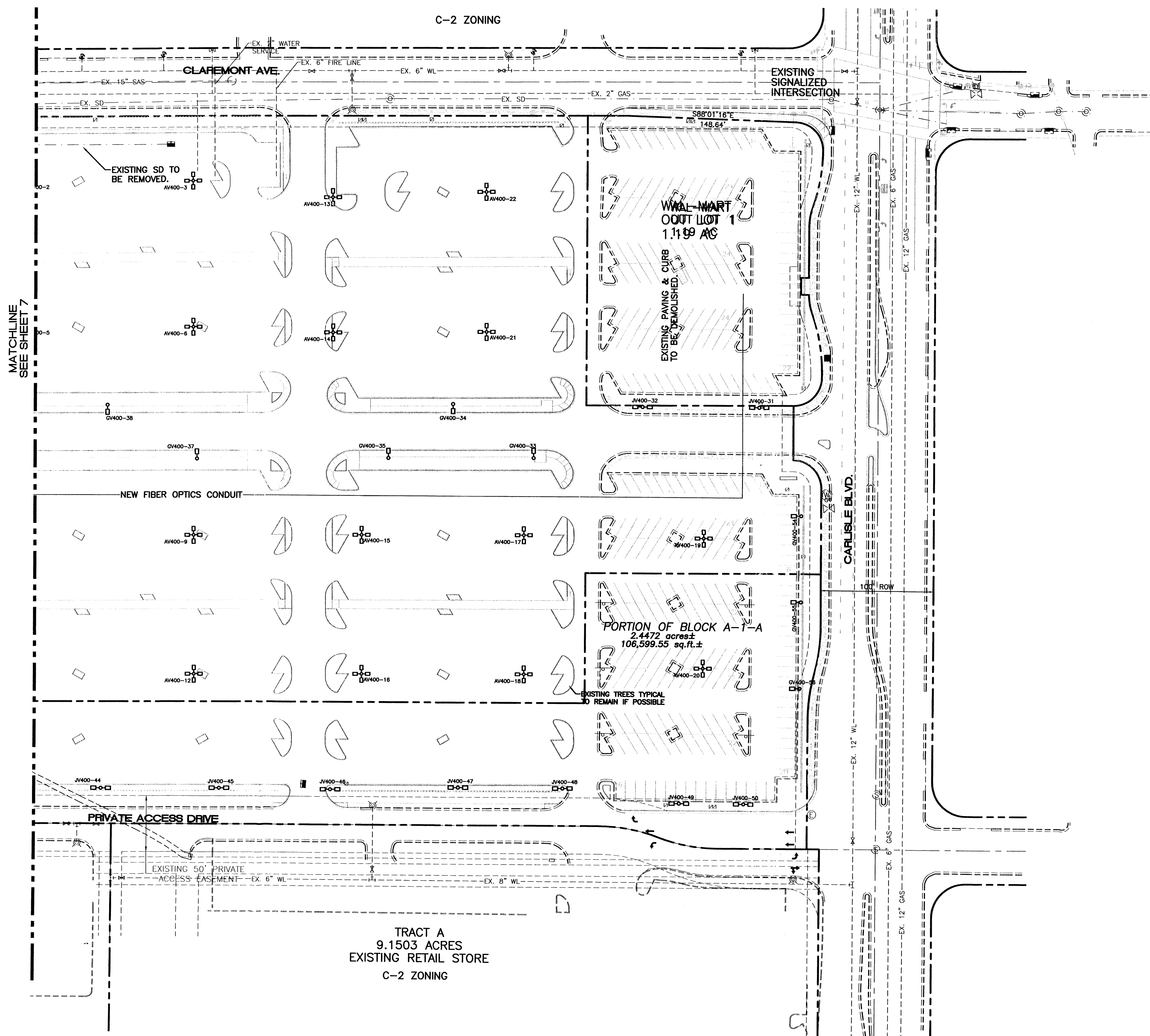
LEGEND

- 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 PULL BOX
- EXISTING GAS VALVE
- EXISTING BOLLARD
- EXISTING PARKING LOT LIGHT
- PROPOSED PARKING LOT LIGHT
- PROPOSED CLEAN OUT
- PROPOSED DOUBLE CLEAN OUT
- EX. OHE ----- EXISTING OVERHEAD UTILITIES
- EX. UGE ----- EXISTING UNDERGROUND UTILITIES
- EX. 2" GAS ----- EXISTING GAS
- EX. 8" SAS ----- EXISTING SANITARY SEWER LINE
- EX. 10" WL ----- EXISTING WATER LINE
- EX. 18" RCP ----- EXISTING STORM SEWER LINE
- EXISTING CURB & GUTTER
- 36" SD ----- PROPOSED STORM SEWER LINE
- 8" SAS ----- PROPOSED SANITARY SEWER LINE
- PROPOSED FIRE HYDRANT
- 8" WL ----- PROPOSED WATERLINE
- BOUNDARY LINE
- EASEMENT



MATCHLINE SEE SHEET 7A


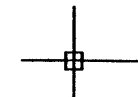
	<b>ALBUQUERQUE WAL-MART EXPANSION, NM: 850-03</b>	DRAWN BY: BDG DATE: 05/27/03
	<b>MASTER UTILITY PLAN</b>	2175MU.DWG
	<b>TERRA WEST, LLC</b> 8509 JEFFERSON NE ALBUQUERQUE, NEW MEXICO 87113 (505)858-3100	SHEET # <b>7</b>
RONALD R. BOHANNAN P.E. #7868		JOB # 21075



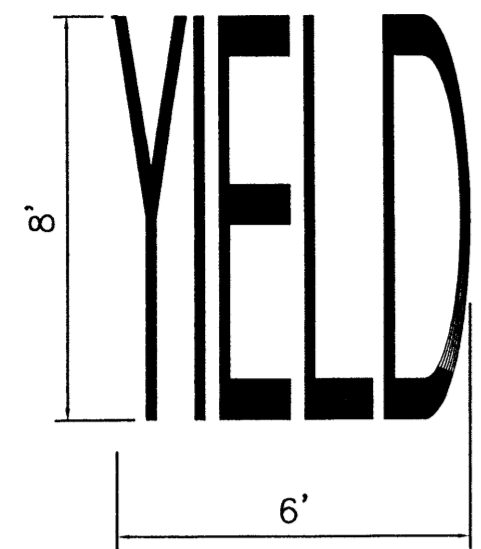
GRAPHIC SCALE



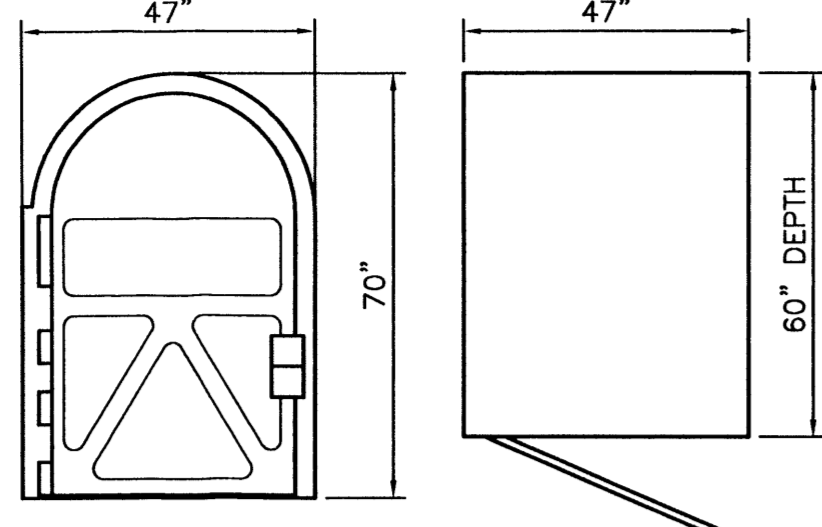
SCALE: 1"=50'

ENGINEER'S SEAL  RONALD R. BOHANNAN P.E. #7868	<b>ALBUQUERQUE WAL-MART EXPANSION, NM: 850-03</b>	DRAWN BY BDG
	<b>MASTER UTILITY PLAN - B</b>	DATE 04/10/03
 <b>TIERRA WEST, LLC</b> 8509 JEFFERSON NE ALBUQUERQUE, NEW MEXICO 87113 (505)858-3100	SHEET # <b>7A</b>	JOB # 21075

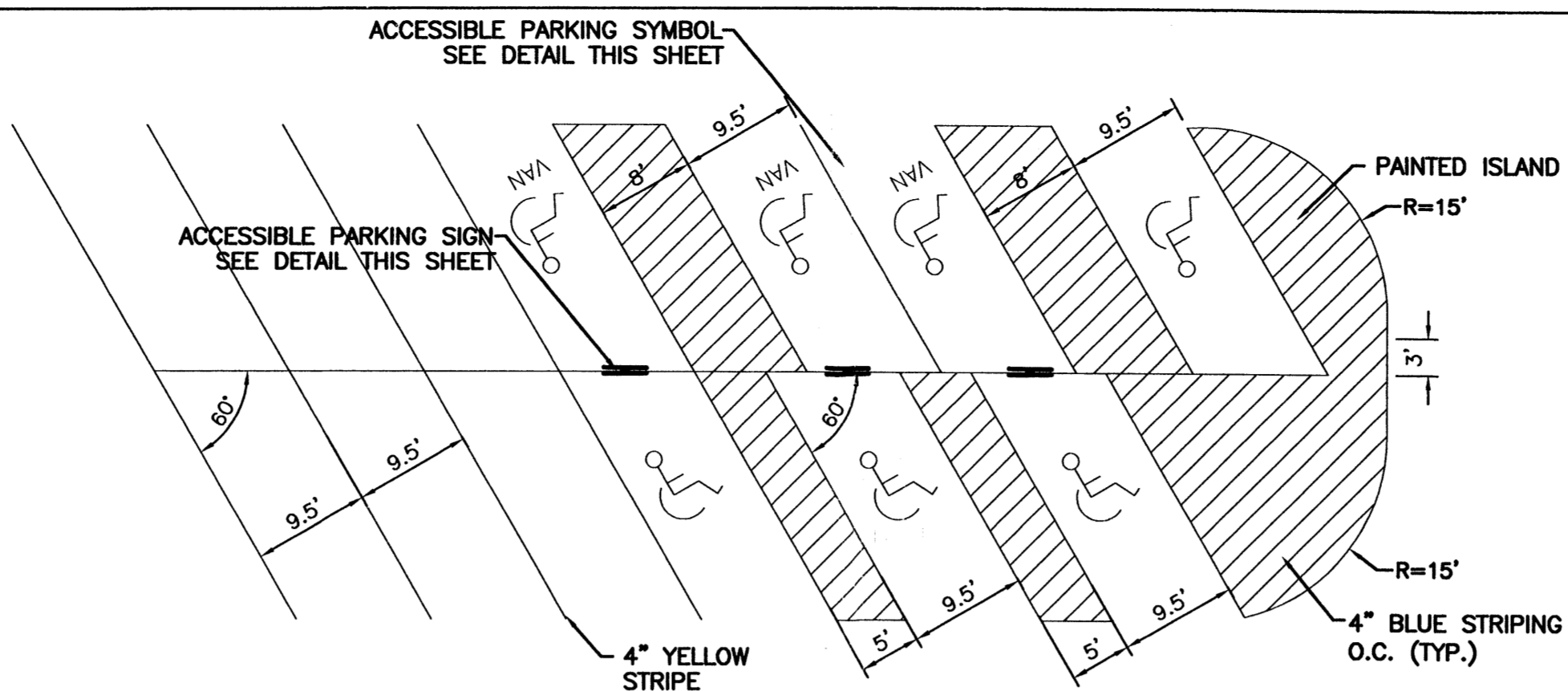
NOTE:  
 1. WORDS AND ARROWS FOR DRIVEWAYS SHALL BE APPLIED ACCORDING TO REQUIREMENTS AS OUTLINED IN SECTION 3B OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREET AND HIGHWAYS.  
 2. THESE WORDS AND ARROWS ARE TO BE PAINTED REFLECTIVE WHITE.



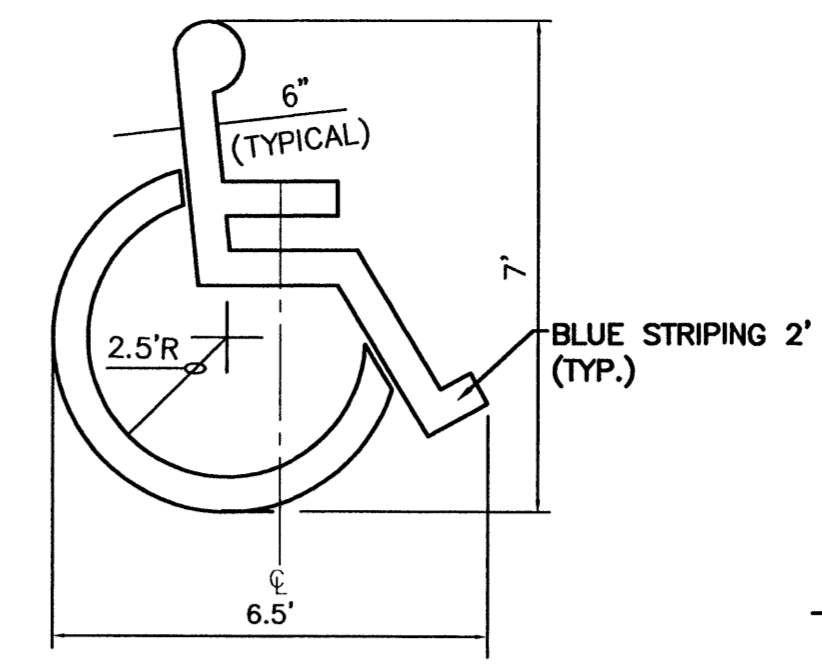
**YIELD MARKER**  
 SCALE: NTS



**BIKE LOCKER DETAIL**  
 NTS



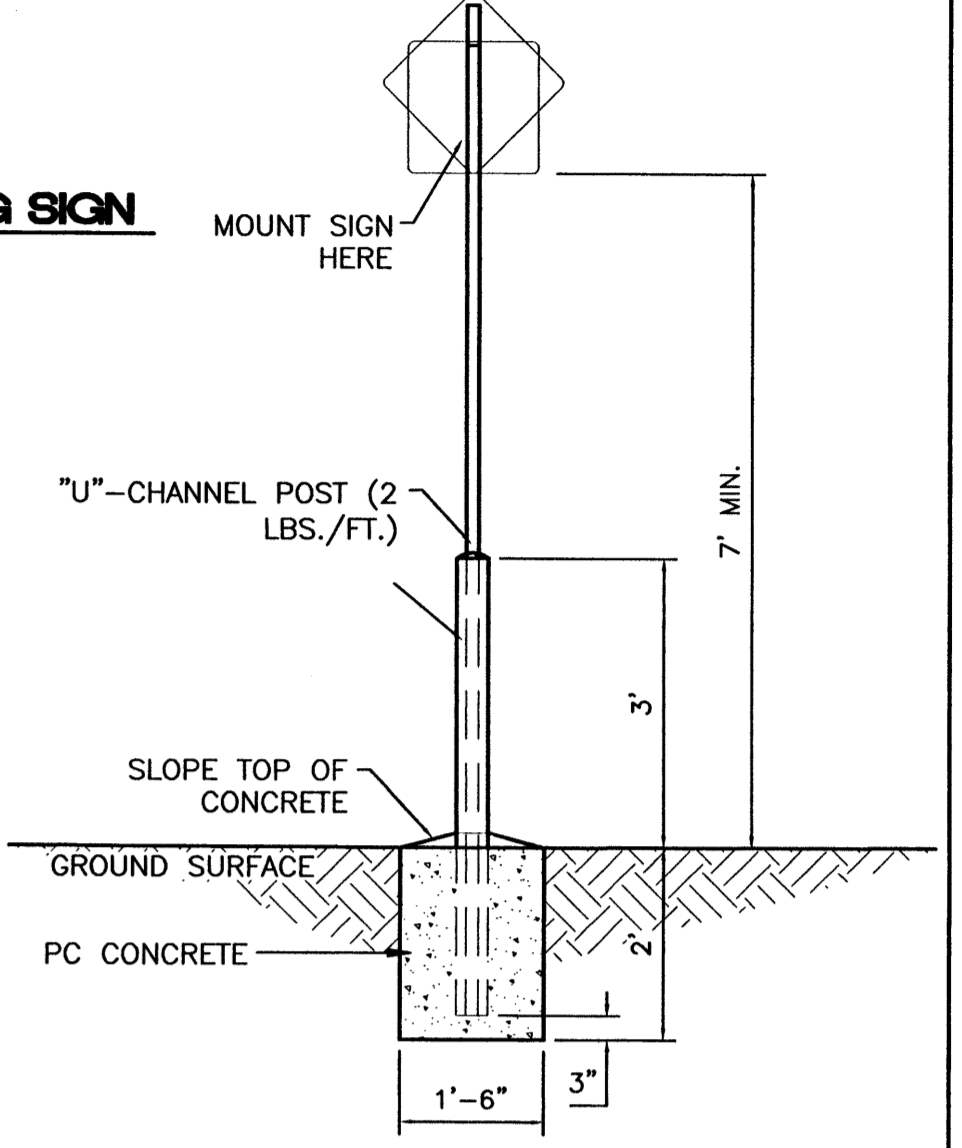
**STANDARD AND ACCESSIBLE PARKING DETAIL**  
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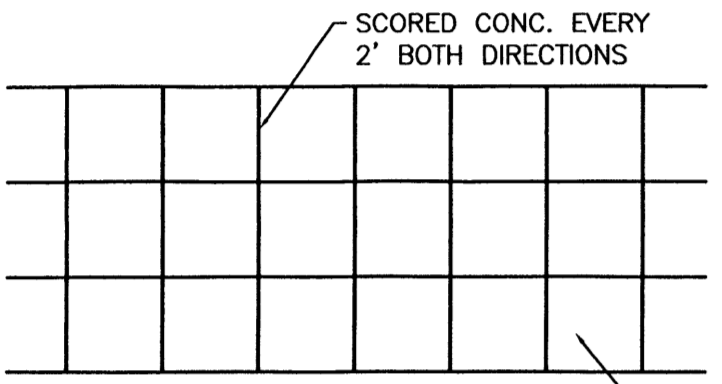
**ACCESSIBLE PARKING SYMBOL**  
 SCALE: NTS



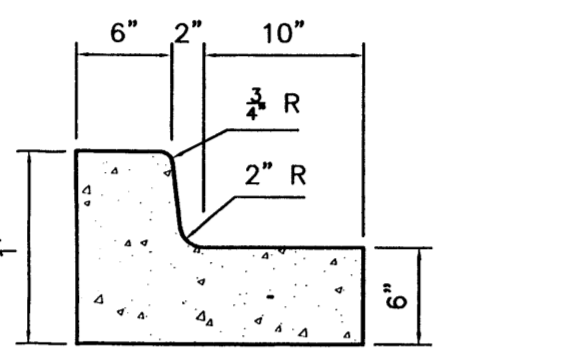
BLACK LEGEND ON YELLOW BACKGROUND (W11A-2) (W11A-2P)  
**PEDESTRIAN CROSSING SIGN**  
 SCALE: NTS



**STANDARD SIGN BASE**  
 SCALE: 1/2"=1'

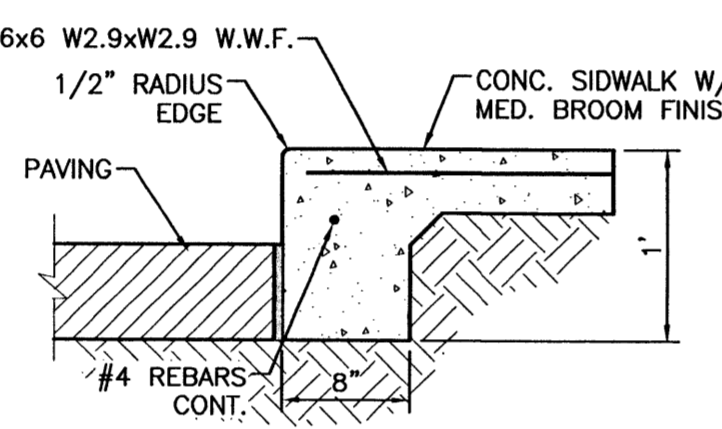


**CROSSWALK PLAN VIEW**  
 SCALE: 1/2"=1'

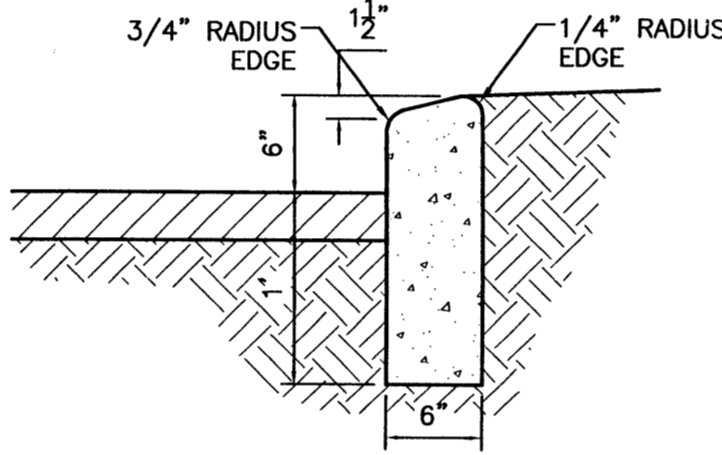


**6 IN. CURB AND GUTTER**  
 SCALE: 1"=1'

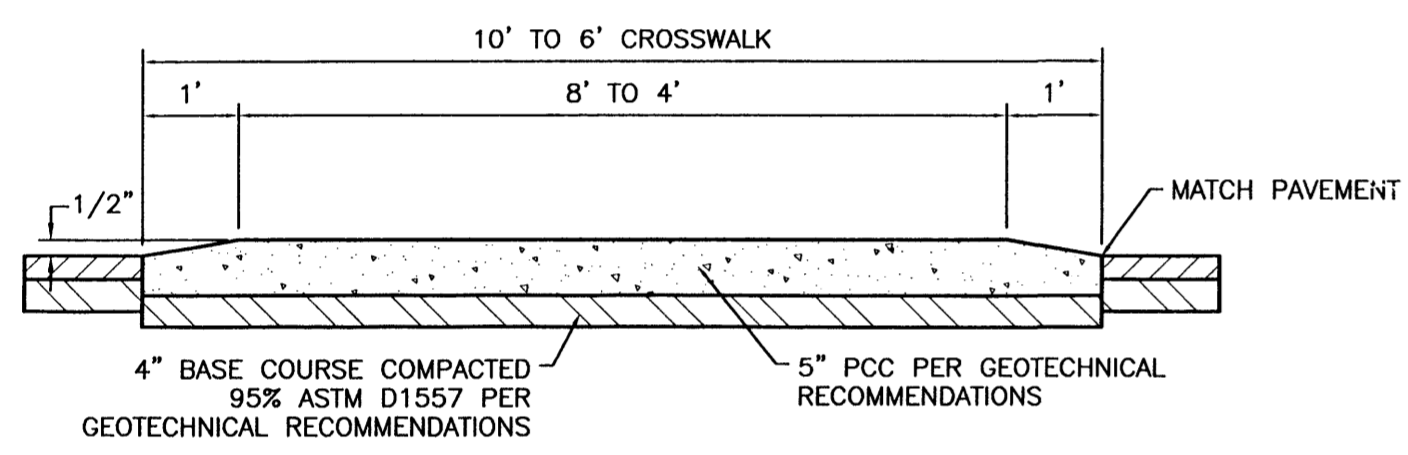
**CURB GENERAL NOTES:**  
 1. ALL CURBS TO BE CONSTRUCTED OF PORTLAND CEMENT CONCRETE, PER WAL-MART SPECIFICATIONS.  
 2. PROVIDE CONTRACTION JTS. 12" MAX., SPACING, 1/2" EXP. JTS. AT CURB RETURNS AND AT A MAX. SPACING OF 120" BETWEEN CURB RETURNS AND EACH SIDE OF SEPARATELY CONSTRUCTED DRIVEWAYS. CONTRACTION JTS., SHALL BE EITHER SAWEED OR TOOLED A MINIMUM OF 1" DEEP AT FINISHED FACES.  
 3. ALL EDGES SHALL BE EDGED WITH A 3/8" RADIUS EDGING TOOL.  
 4. 1/4" ISOLATION JOINT SHALL BE PLACED BETWEEN SIDEWALK AND CURB WHEN CAST ADJACENT TO EACH OTHER.



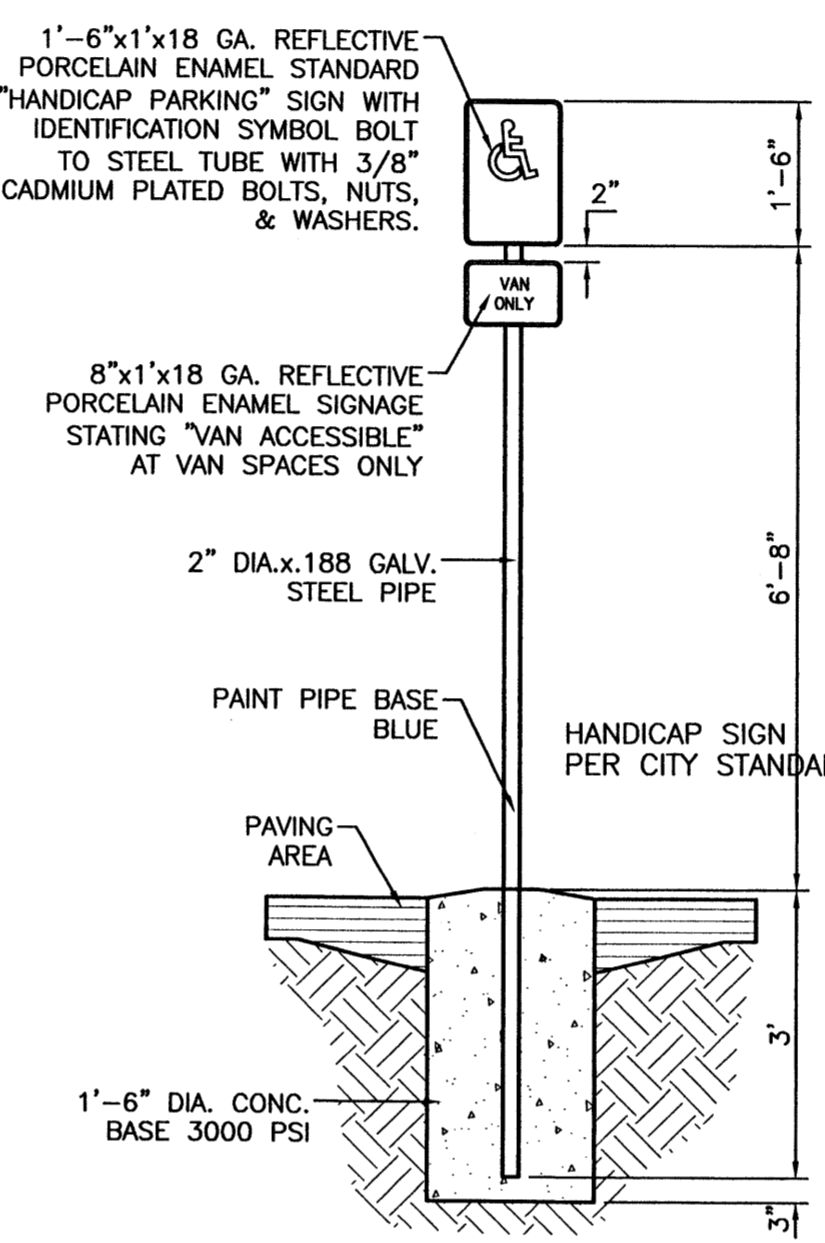
**DETAIL-TURNDOWN CURB**  
 1" = 1'-0"



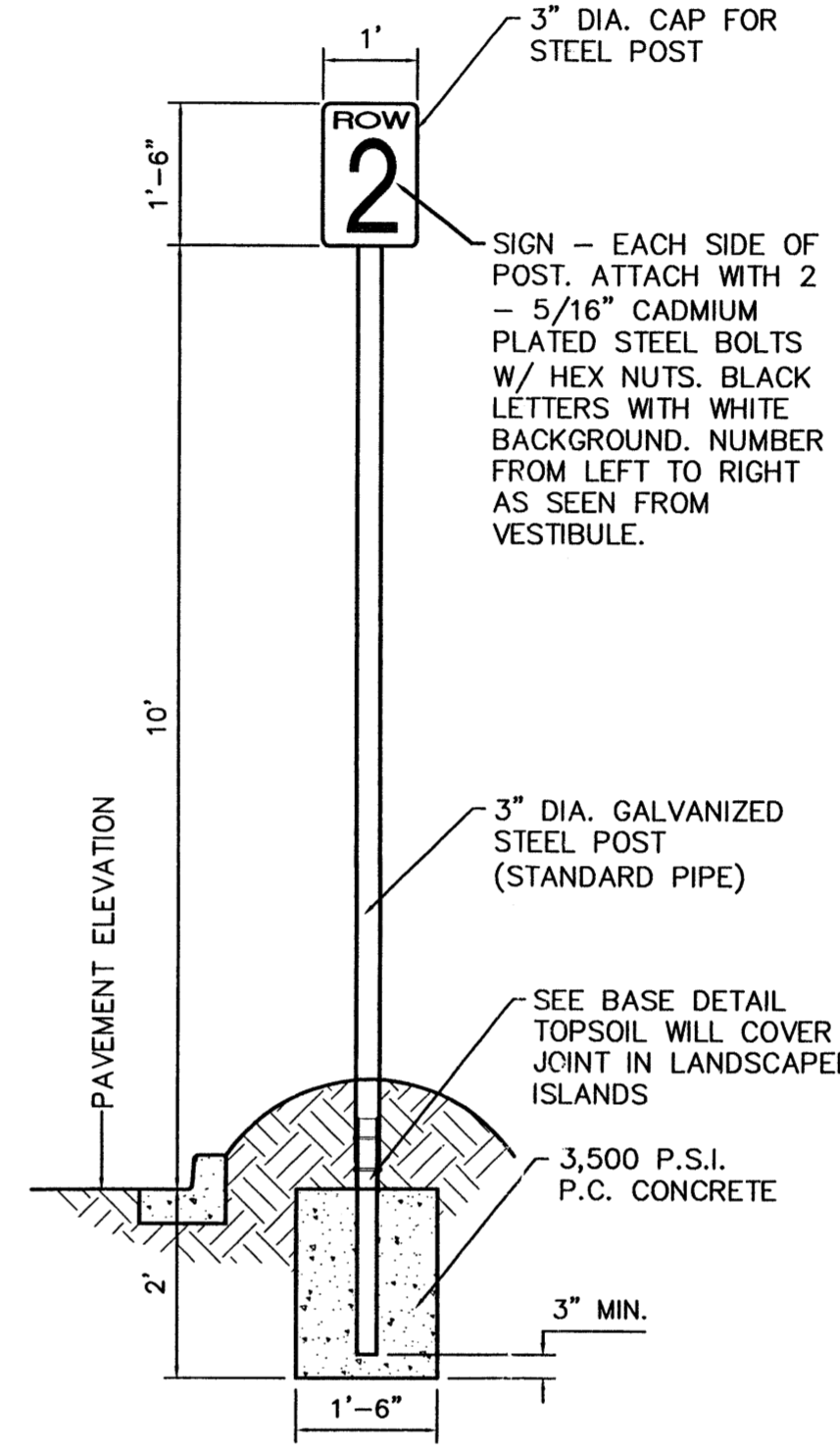
**6\"/>**



**RAISED CROSSWALK**  
 SCALE: 1/2"=1'

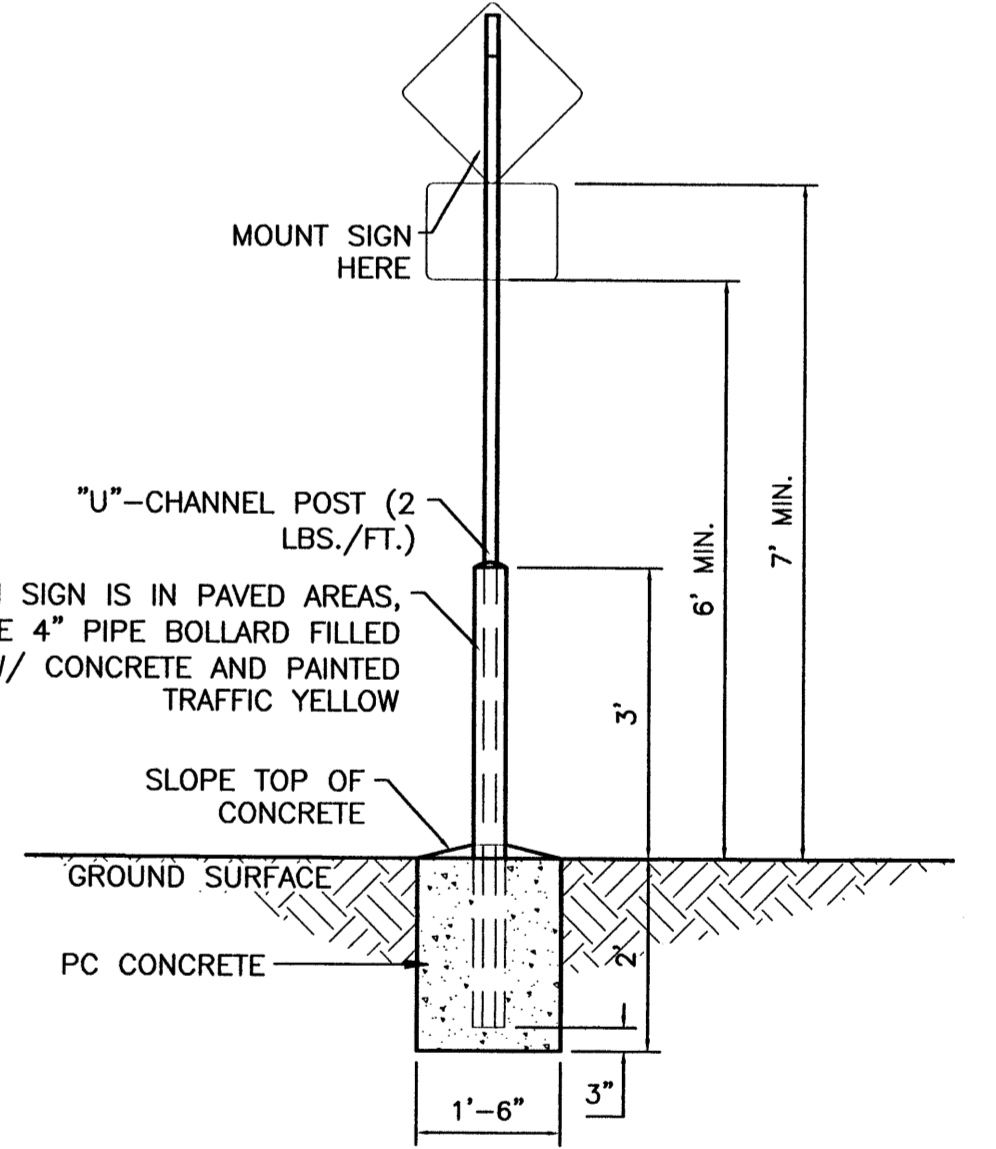


**HANDICAP SIGN**  
 SCALE: 1/2"=1'



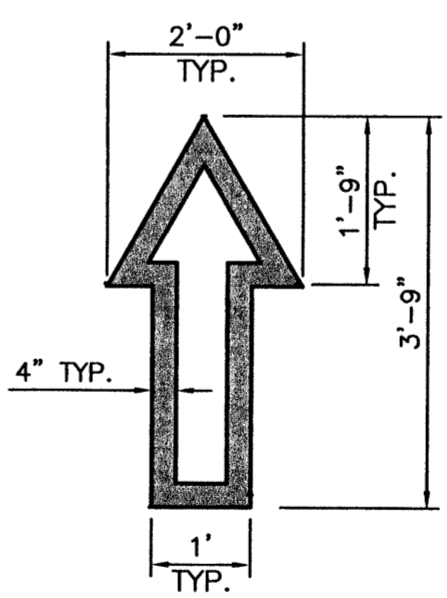
**AISLE SIGN IN LANDSCAPE ISLAND**  
 SCALE: 1/2"=1'

ALL SIGNS SHALL COMPLY WITH U.S. DEPARTMENT OF TRANSPORTATION, FEDERAL HIGHWAY ADMINISTRATION'S "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES", LOCAL CODES AND AS SPECIFIED. MOUNT SIGNS TO POST IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

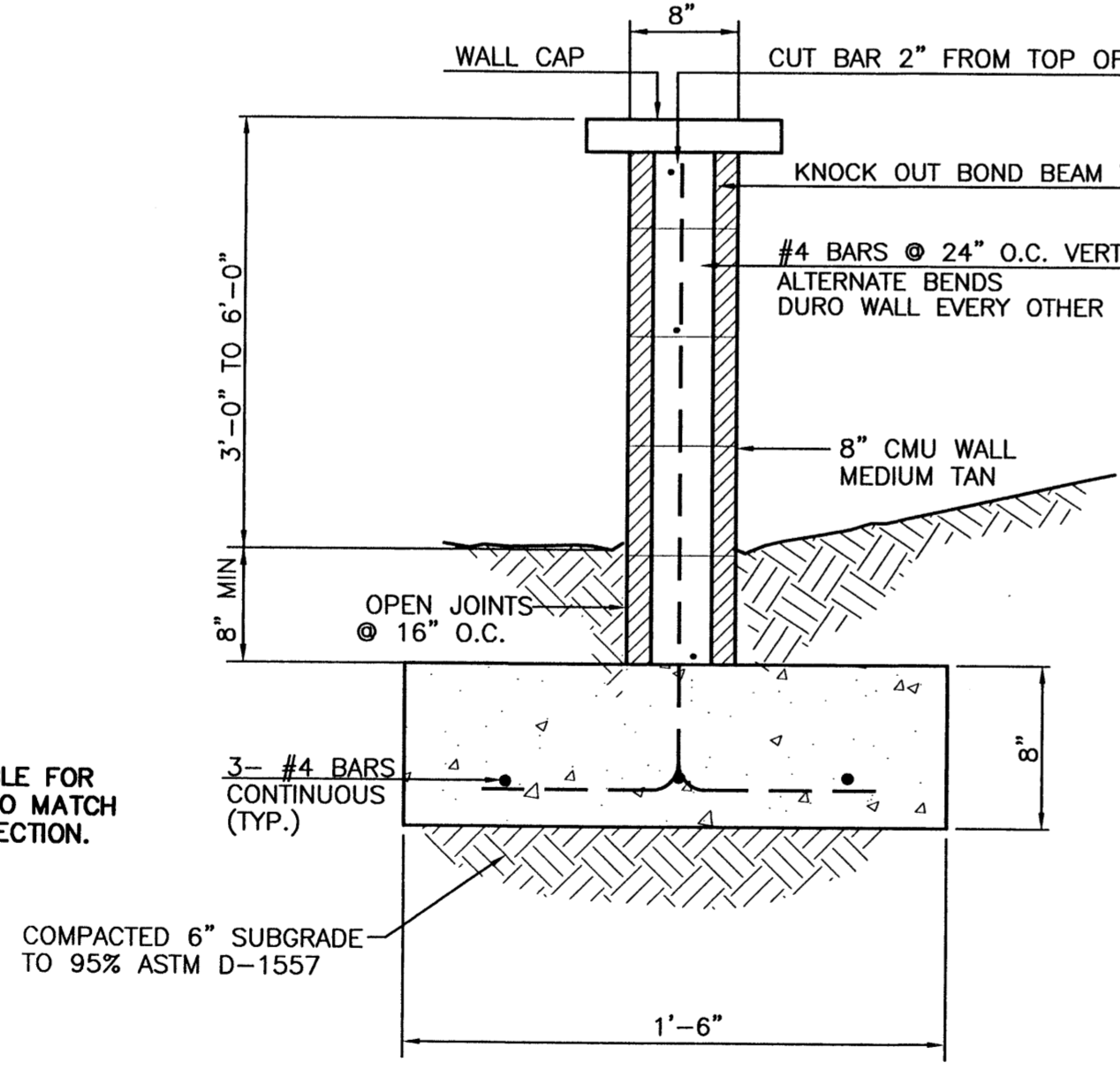


**PEDESTRIAN SIGN BASE**  
 SCALE: 1/2"=1'

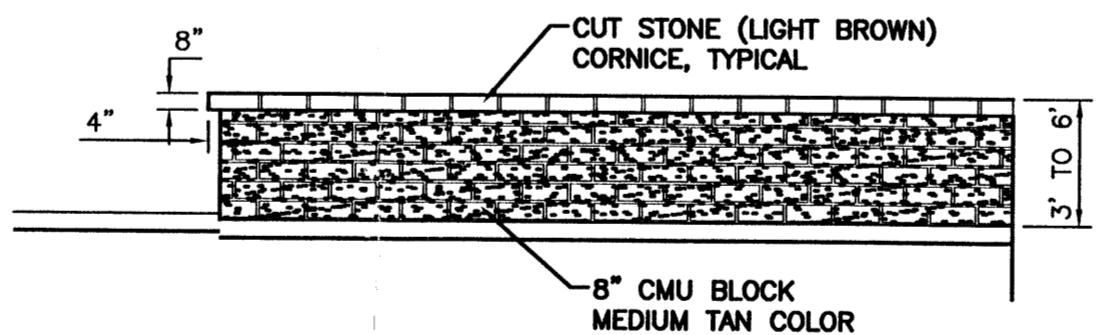
**GENERAL NOTES:**  
 1. ALL CONCRETE IS TO BE 3000 PSI @ 28 DAYS.  
 2. MINIMUM COMPACTION UNDER FOOTINGS IS TO BE 95% PER ASTM D 1557 FOR A DEPTH OF 12" MOISTURE CONTENT IS TO BE ± 2.0%.  
 3. BACK FILL AGAINST WALLS IS TO BE HAND-PLACED AND COMPACTED.  
 4. ALL BARS ARE TO BE GRADE 60, ASTM 615. 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



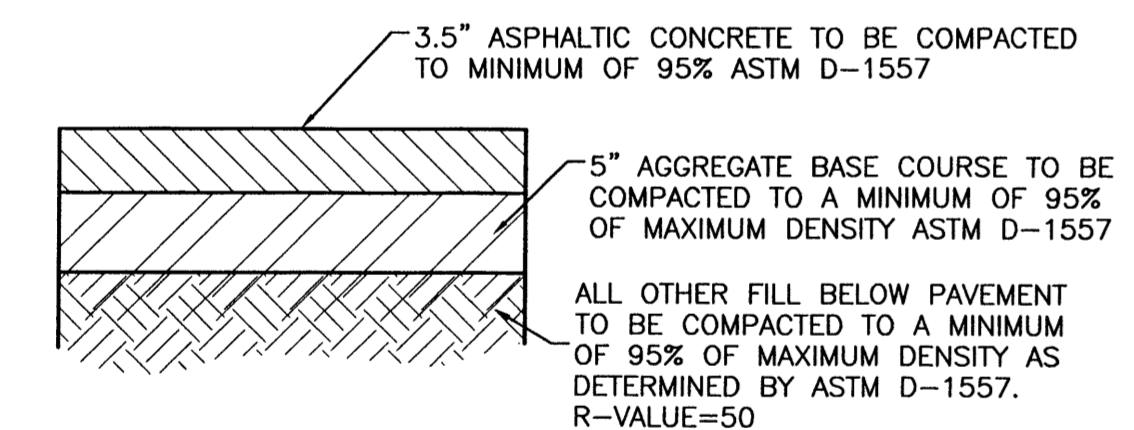
NOTE: ALL TRAFFIC FLOW ARROWS TO BE REFLECTIVE YELLOW PAINT PER SPECS.



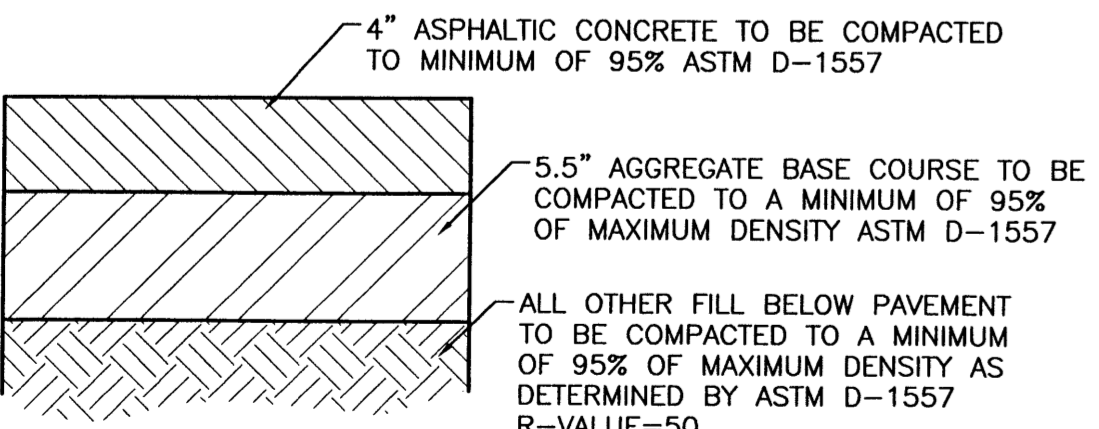
**3\"/>**



**SCREEN WALL DETAIL (TYP.)**  
 NTS



**AUTOMOBILE PARKING TYPICAL PAVING SECTION**  
 1" = 1' DESIGNATED BY [Symbol]

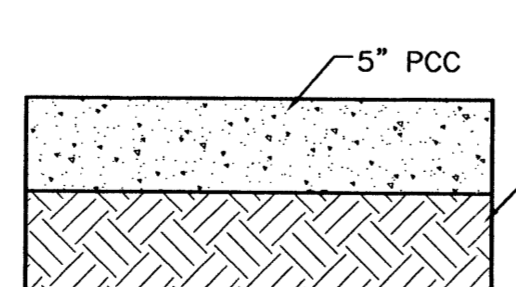


**AUTOMOBILE DRIVEWAYS AND AREAS SUBJECT TO SEMI-TRUCKS TYPICAL PAVING SECTION**  
 1" = 1' DESIGNATED BY [Symbol]

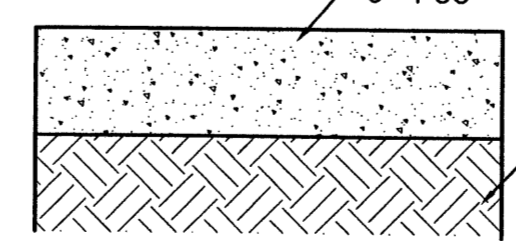
NOTE: CONTRACTOR IS RESPONSIBLE FOR ADJUSTING SUBGRADE ELEVATION TO MATCH SELECTED ALTERNATE PAVING SECTION.

NOTE: CONTRACTOR IS RESPONSIBLE FOR ADJUSTING SUBGRADE ELEVATION TO MATCH SELECTED ALTERNATE PAVING SECTION.

NOTE: REFER TO GEOTECHNICAL REPORTS FOR SPECIFICATIONS. ALL PAVEMENT SPECS SHALL MEET MMSHTD MIN. SPECIFICATIONS.

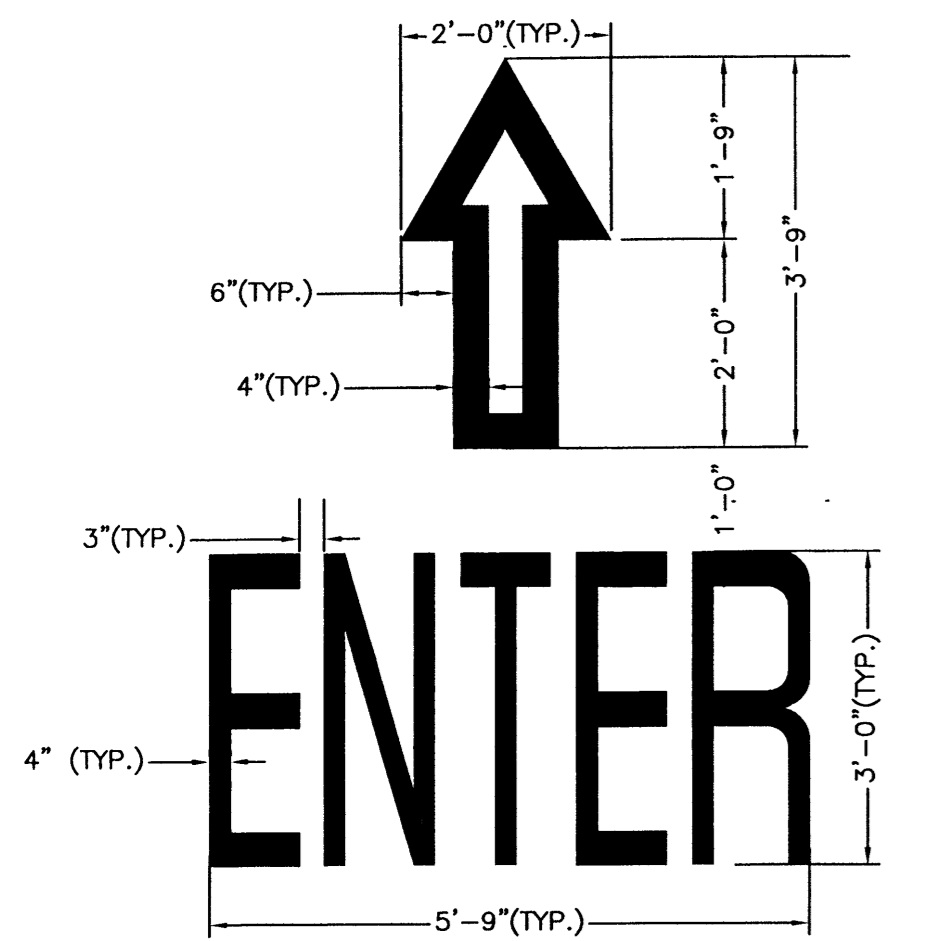


**STANDARD CONCRETE SECTION**  
 1" = 1' DESIGNATED BY [Symbol]



**HEAVY CONCRETE SECTION**  
 1" = 1' DESIGNATED BY [Symbol]

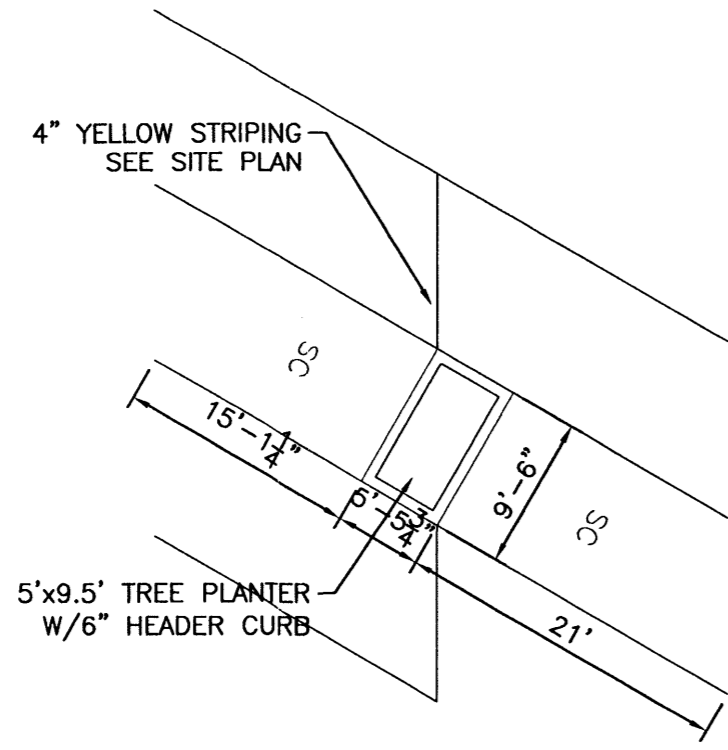
ENGINEER'S SEAL	ALBUQUERQUE WAL-MART EXPANSION, NM: 850-03	DRAWN BY BDG
	DETAILS	DATE 12/09/02
	TERRA WEST, LLC 8509 JEFFERSON NE ALBUQUERQUE, NEW MEXICO 87113 (505)858-3100	DETAILS1.DWG
RONALD R. BOHANNAN P.E. #7868		SHEET # 8
		JOB # 21075



**ENTER MARKER**

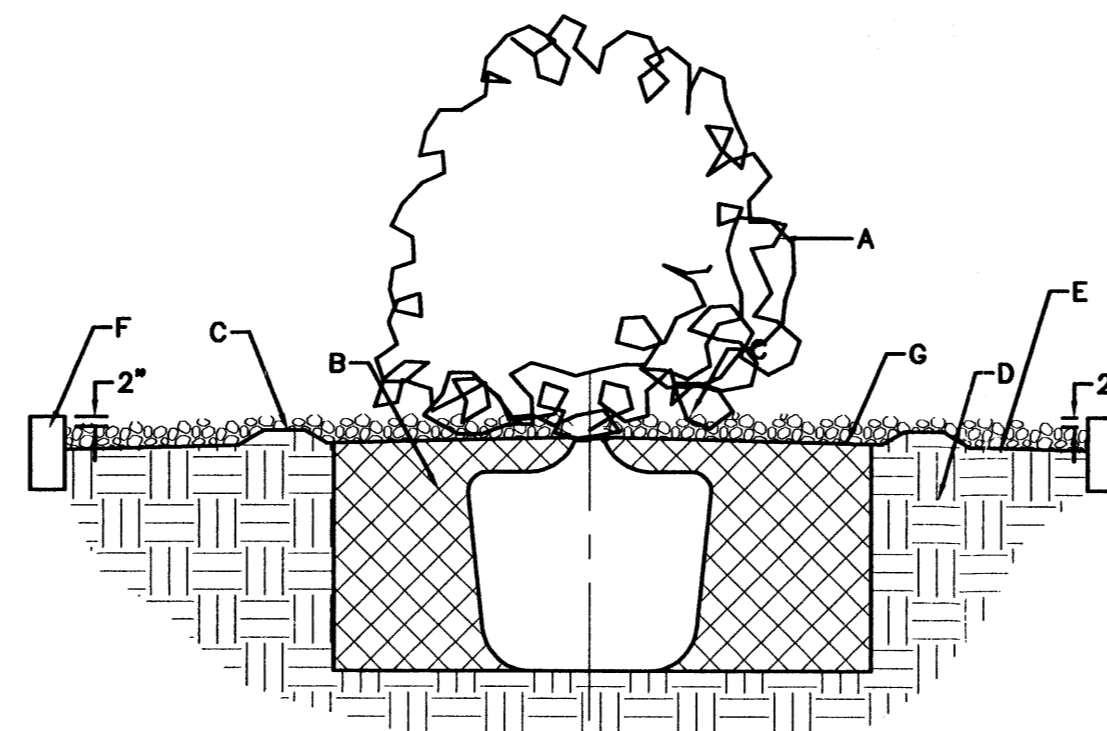
SCALE: NTS

NOTE: ALL TRAFFIC FLOW ARROWS TO BE SOLID YELLOW REFLECTIVE TRAFFIC PAINT PER DIMENSIONS ABOVE.



**ELONGATED TREE PLANTER**

SCALE: NTS



**GENERAL NOTES:**

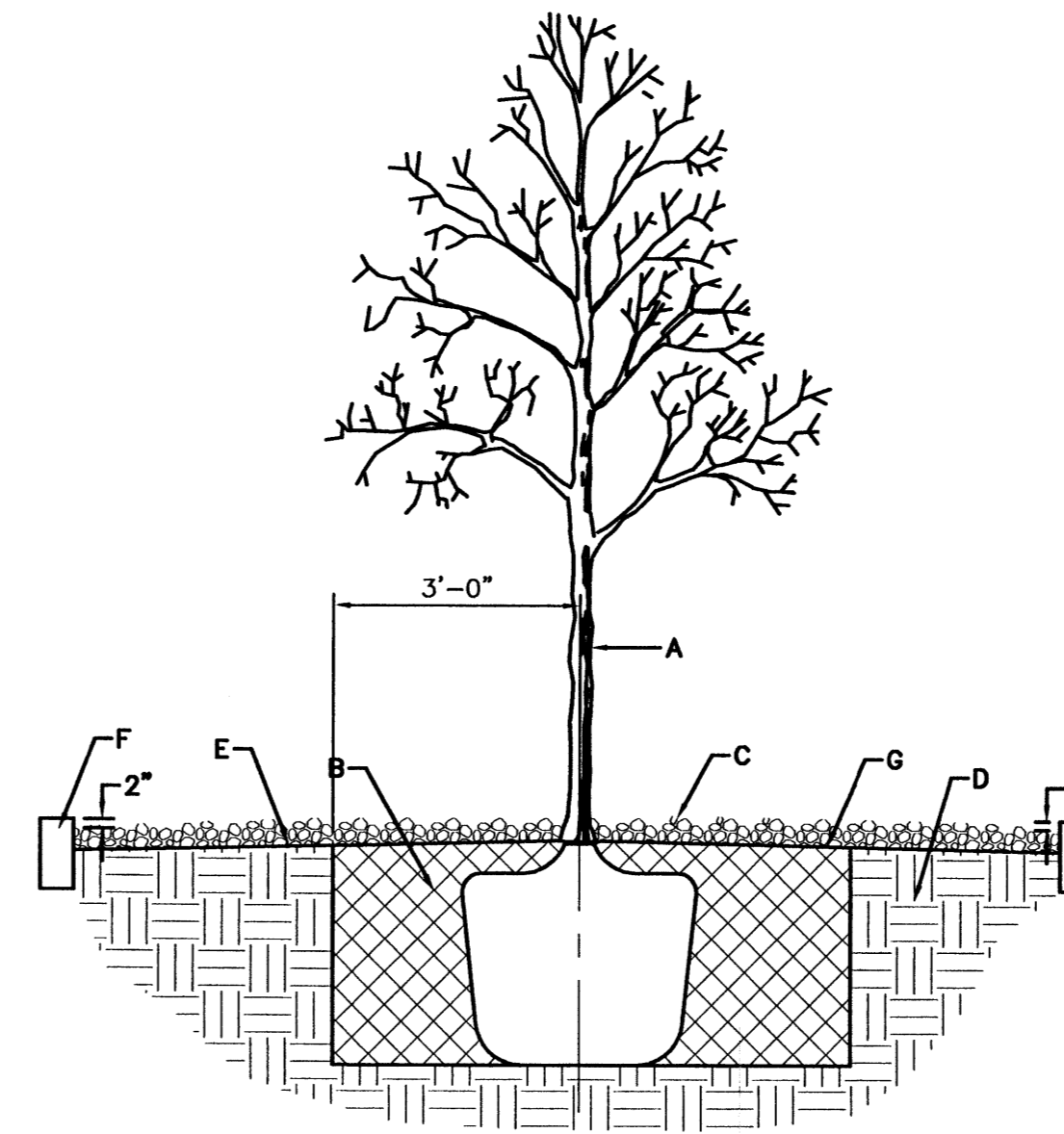
1. ROOTBALL SHALL BE PLACED ON DISTURBED SOIL TO PREVENT TREE FROM SETTLING.
2. TOP OF ROOTBALL INDICATES LEVEL AT WHICH TREE WAS GROWN AND DUG, THIS REPRESENTS THE LEVEL AT WHICH THE TREE SHOULD BE INSTALLED, THAT LEVEL MAY BE EXCEEDED BY ONLY A ONE INCH LAYER OF SOIL.
3. PRIOR TO BACKFILL TREE, ALL WIRE, ROPE AND SYNTHETIC MATERIALS SHALL BE REMOVED FROM THE TREE AND THE PLANTING PIT.
4. PRIOR TO BACKFILLING ALL BURLAP SHALL BE CUT AWAY EXCEPT FROM BOTTOM OF THE ROOTBALL.

**CONSTRUCTION NOTES:**

- A. SHRUB
- B. BACKFILL WITH EXISTING SOIL
- C. CREATE EARTH BERM TO FORM RETENTION BASIN
- D. 4" DEEP 3/4" CRUSHED GREY GRAVEL
- E. FINISH GRADE 4" BELOW TOP OF CURB
- F. UNDISTURBED SOIL
- G. FILTER FABRIC
- H. STANDARD 6" CURB

**SHRUB IN GRAVEL**

SCALE: NTS



**GENERAL NOTES:**

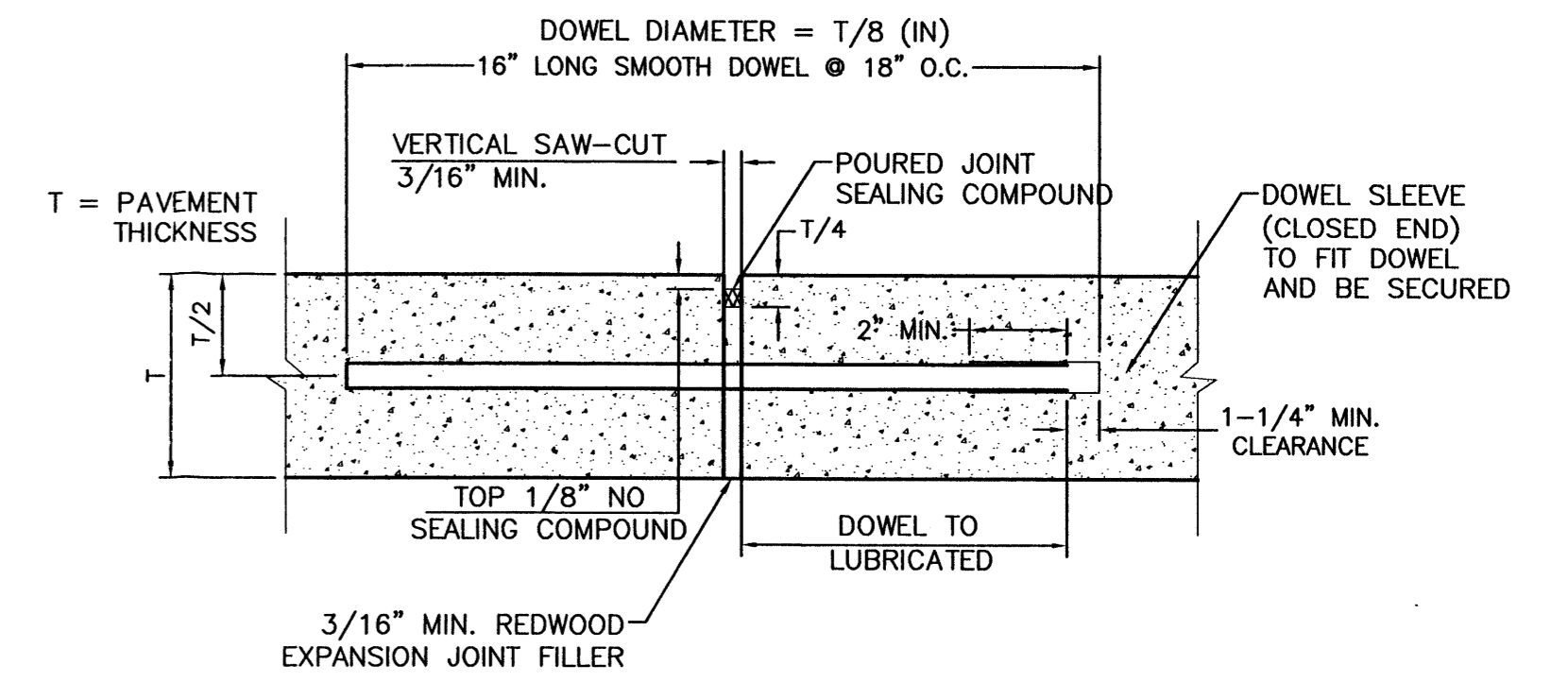
1. ROOTBALL SHALL BE PLACED ON DISTURBED SOIL TO PREVENT TREE FROM SETTLING.
2. TOP OF ROOTBALL INDICATES LEVEL AT WHICH TREE WAS GROWN AND DUG, THIS REPRESENTS THE LEVEL AT WHICH THE TREE SHOULD BE INSTALLED, THAT LEVEL MAY BE EXCEEDED BY ONLY A ONE INCH LAYER OF SOIL.
3. PRIOR TO BACKFILL TREE, ALL WIRE, ROPE AND SYNTHETIC MATERIALS SHALL BE REMOVED FROM THE TREE AND THE PLANTING PIT.
4. PRIOR TO BACKFILLING ALL BURLAP SHALL BE CUT AWAY EXCEPT FROM BOTTOM OF THE ROOTBALL.

**CONSTRUCTION NOTES:**

- A. TREE
- B. BACKFILL WITH EXISTING SOIL
- C. 4" DEEP 3/4" CRUSHED GREY GRAVEL
- D. UNDISTURBED SOIL
- E. FILTER FABRIC
- F. STANDARD 6" CURB
- G. FINISH GRADE 4" BELOW TOP OF CURB

**TREE PLANTING**

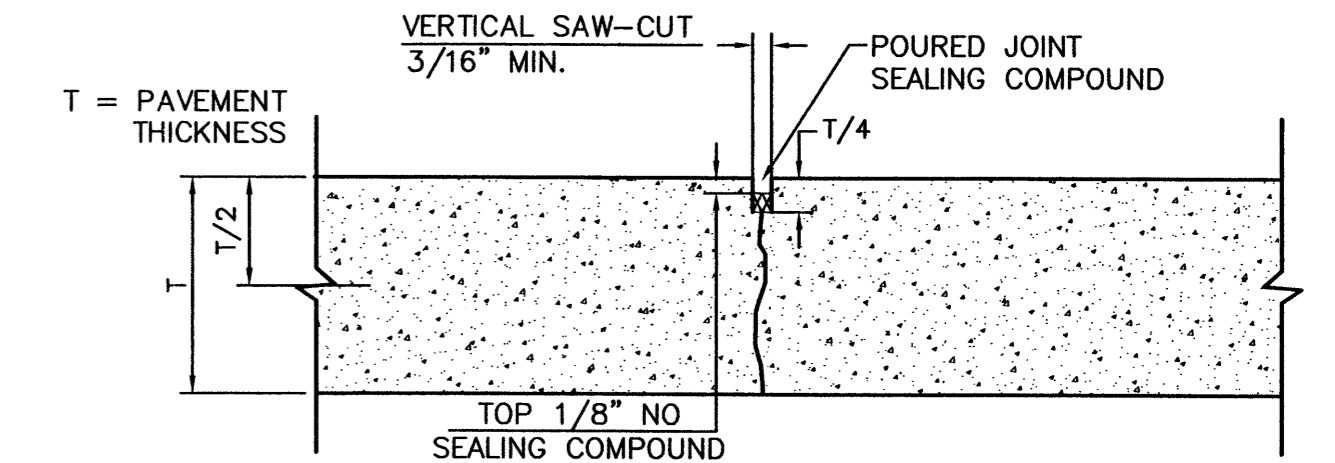
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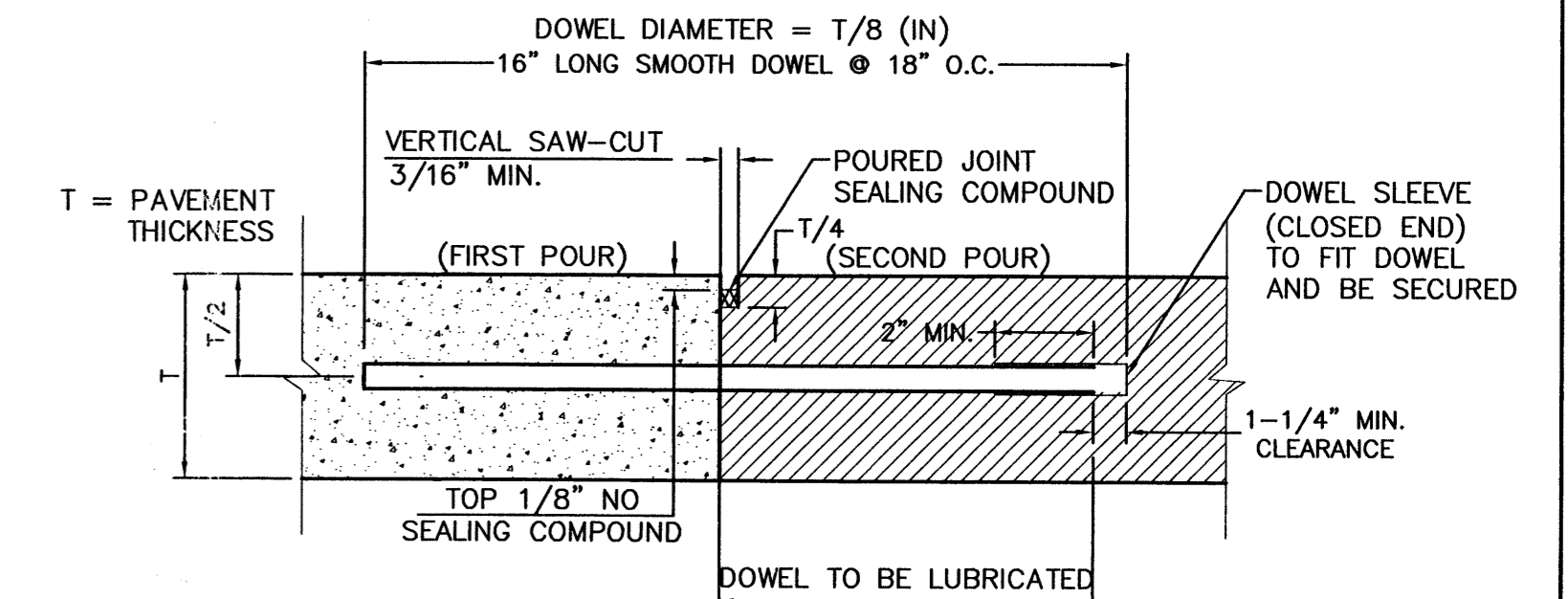
**NOTE:**

1. DOWELS SHALL BE SUPPORTED BY AN APPROVED DEVICE.

**TRANSVERSE EXPANSION JOINT**



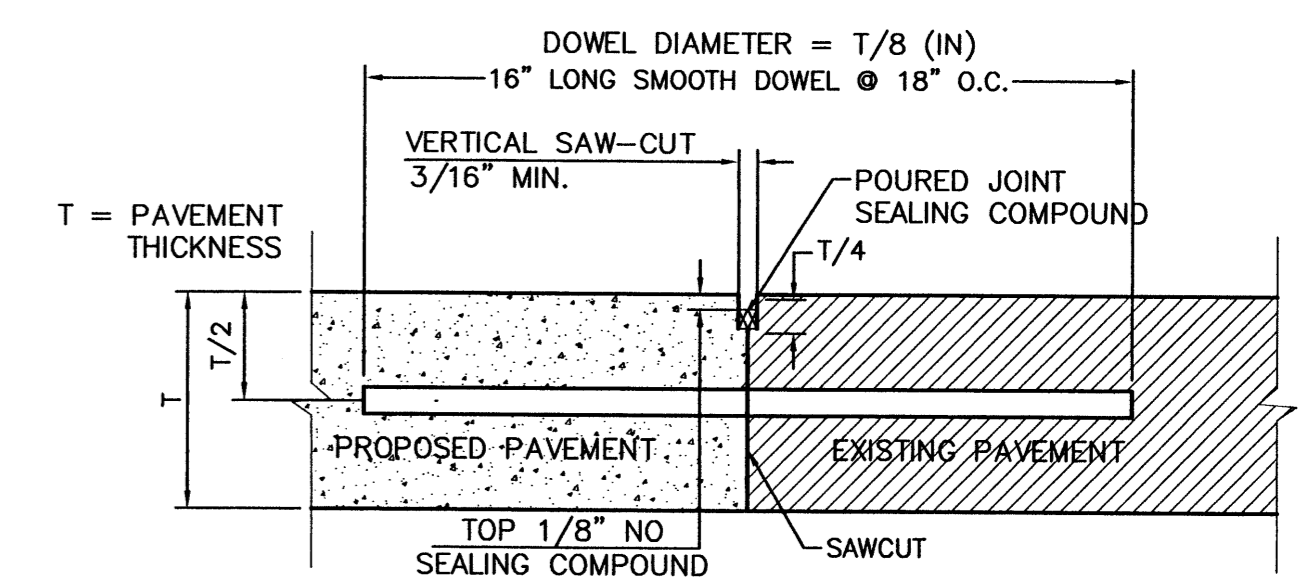
**CONTRACTION JOINT**



**NOTE:**

1. DOWELS SHALL BE SUPPORTED BY AN APPROVED DEVICE.

**CONSTRUCTION JOINT**



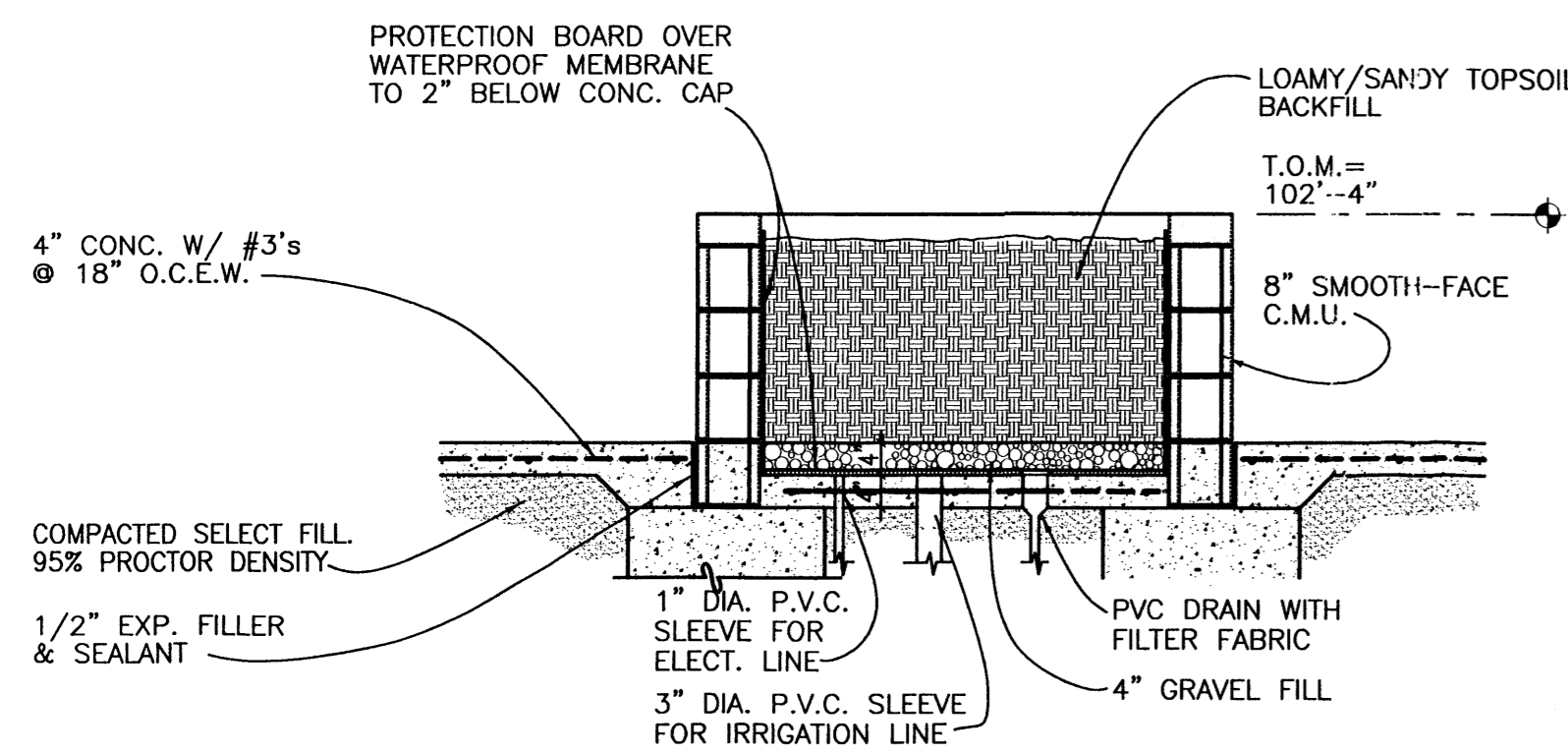
**NOTE:**

1. DOWEL BARS SHALL BE DRILLED INTO PAVEMENT HORIZONTALLY BY USE OF A MECHANICAL RIG.
2. DRILLING BY HAND IS NOT ACCEPTABLE, PUSHING DOWEL BARS INTO GREEN CONCRETE IS NOT ACCEPTABLE.

**BUTT JOINT**

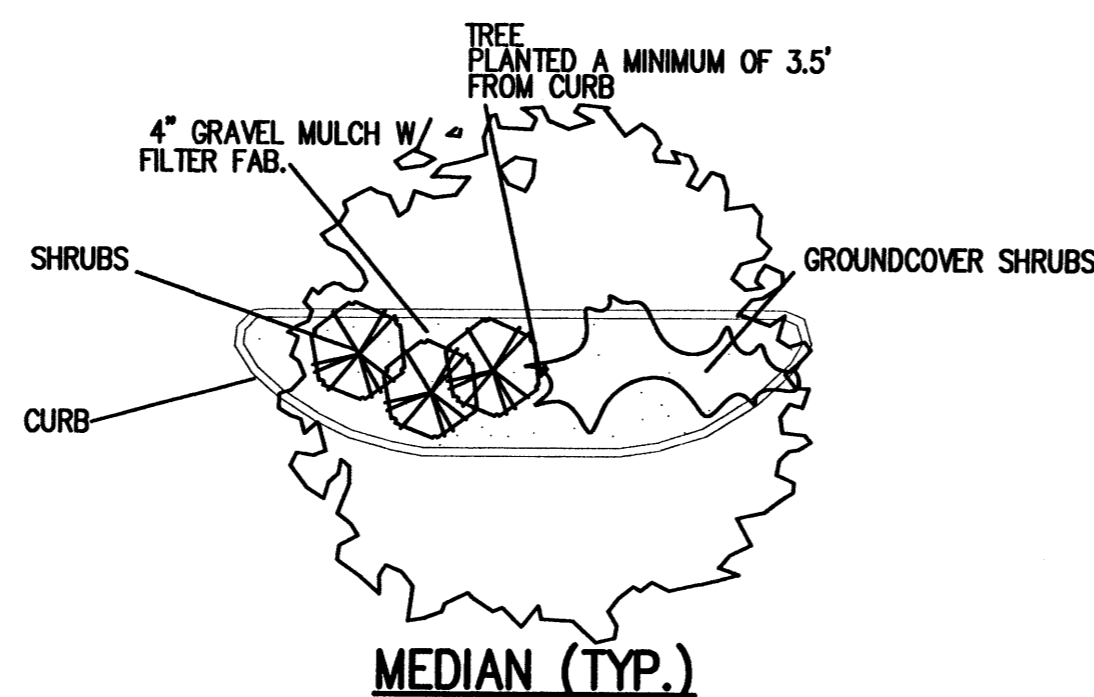
**CONCRETE JOINT DETAILS**

NTS

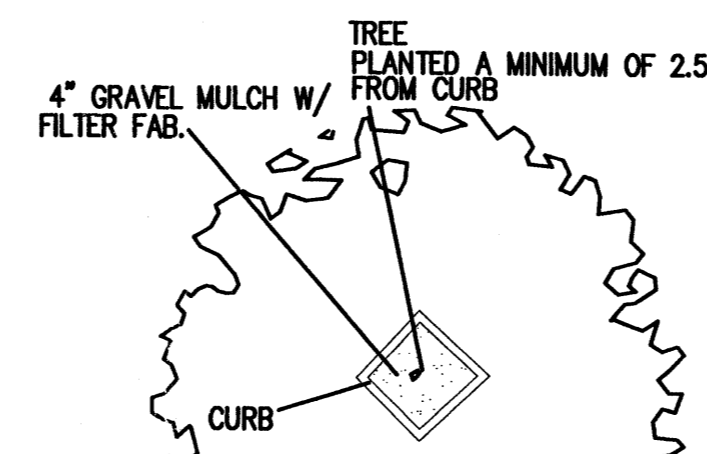


**STORE FRONT TREE PLANTER DETAIL**

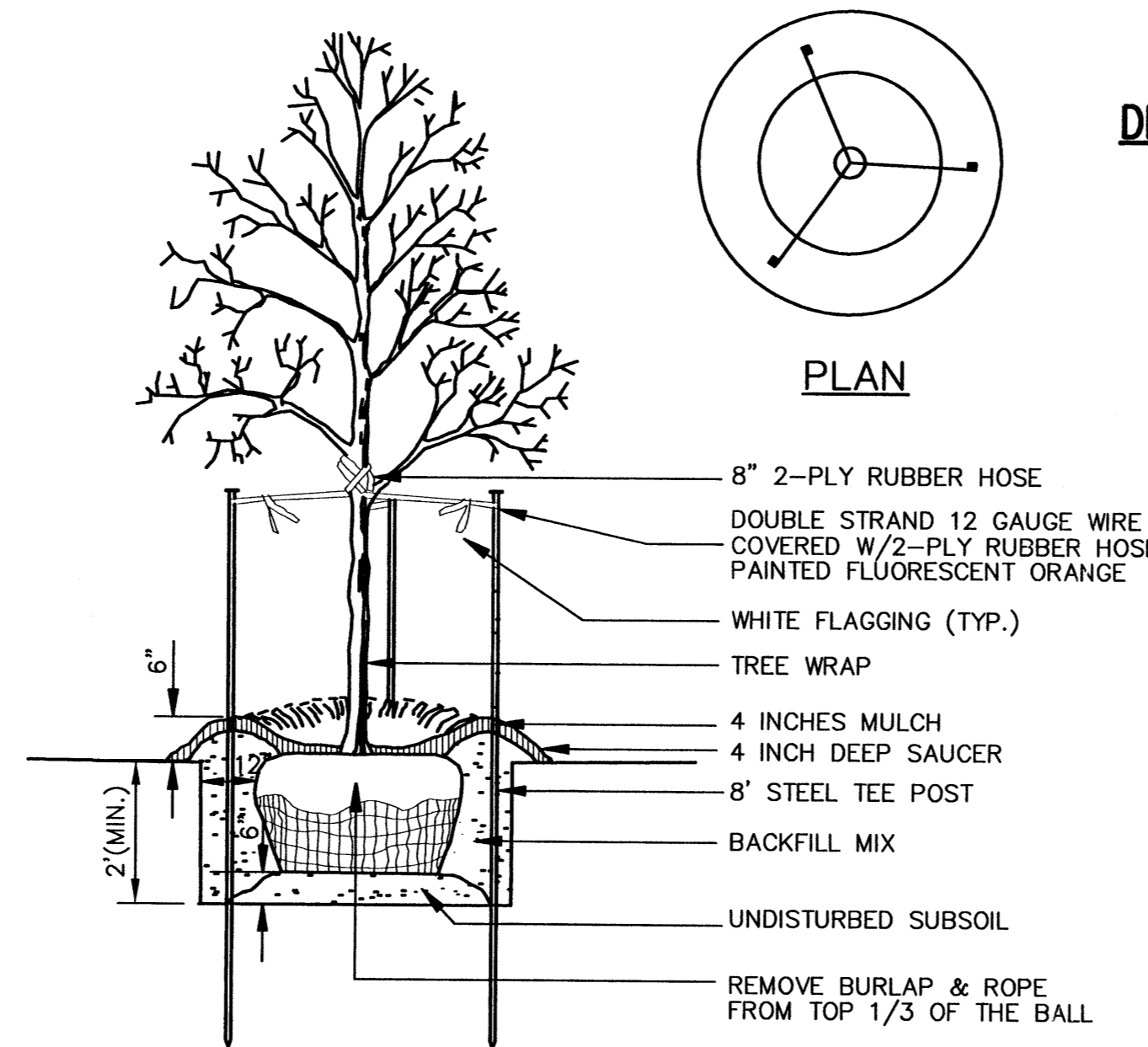
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**MEDIAN (TYP.)**



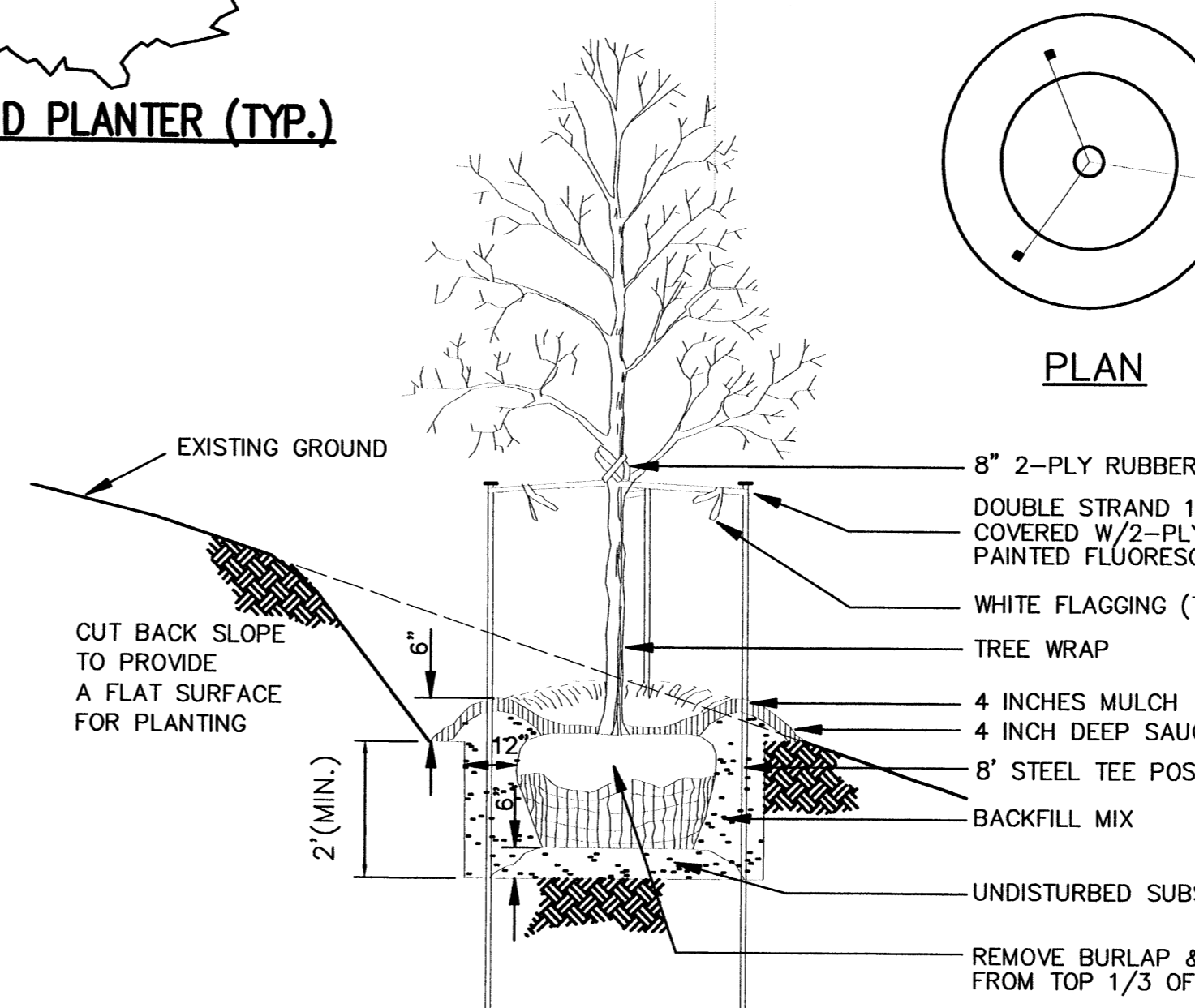
**DIAMOND PLANTER (TYP.)**



NOTE: SEE LANDSCAPE NOTES FOR THE TYPE OF MULCH MATERIAL TO USE.

**TREE PLANTING**

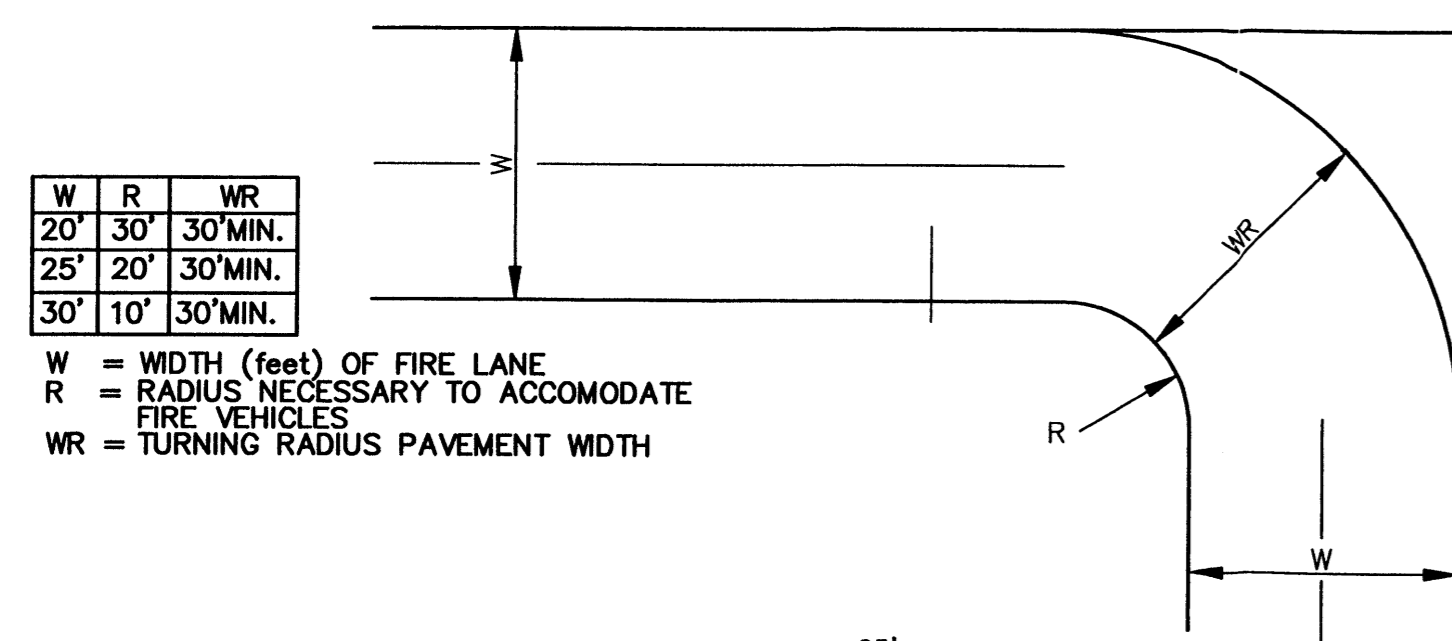
SCALE: NTS



NOTE: SEE LANDSCAPE NOTES FOR THE TYPE OF MULCH MATERIAL TO USE.

**TREE PLANTING ON SLOPE**

SCALE: NTS



**NO PARKING FIRE LANE**

FIRE LANE STRIPING SHALL BE 6" RED STRIPES WITH 4" INCH WHITE LETTERS READING "NO PARKING FIRE LANE" STRIPING SHALL BE PLACED ON FACE OF CURB WHENEVER POSSIBLE, OR AS SPECIFIED BY LOCAL CODES.

**NO PARKING FIRE LANE**

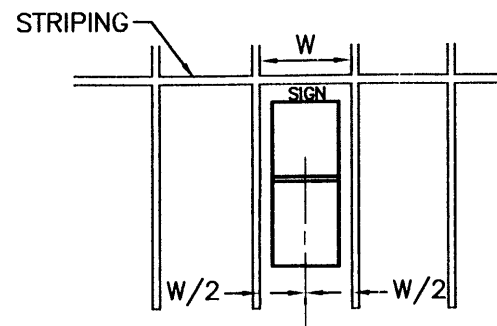
**"NO PARKING FIRE LANE" STRIPING ALONG FACE OF CURB**

SCALE: NTS

NO.	DATE	REVISIONS	REMARKS	BY

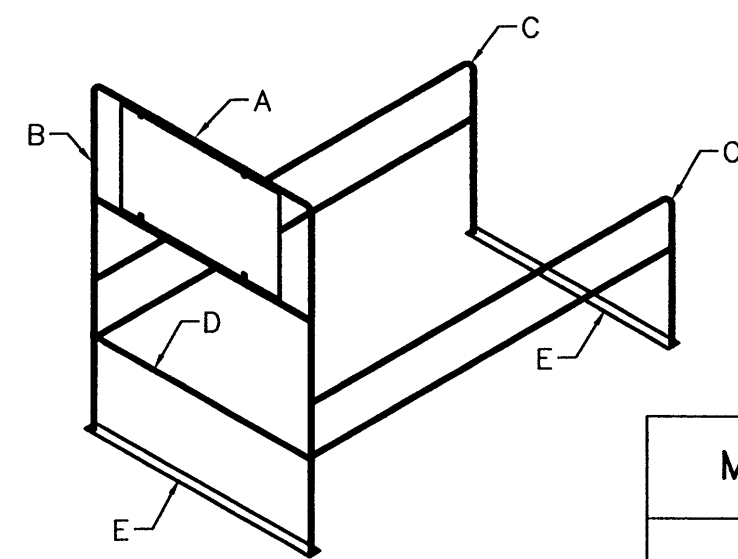
  

ENGINEER'S SEAL	ALBUQUERQUE WAL-MART EXPANSION, NM: 850-03	DRAWN BY: BDG
	DETAILS	DATE: 12/09/02
	TERRA WEST, LLC 8509 JEFFERSON NE ALBUQUERQUE, NEW MEXICO 87113 (505)858-3100	DETAILS1.DWG
RONALD R. BOHANNAN P.E. #7868		SHEET # 9
		JOB # 21075



**TOOLS REQUIRED**  
 9" BOX WRENCH AND/OR SOCKET.  
 HAMMER

- INSTALLATION INSTRUCTIONS:**
1. Select level area in parking lot.
  2. Lay bottom plates (E) approx. 15' apart parallel.
  3. Attach side rails (C) to bottom plates (E). A tap with hammer may be required.
  4. Attach stop bar (D) to inside of rail (C) with 6" bolt and lock nut (F).
  5. Mount (B) into side rails (C) by sleeving the wedged pieces together. A slight tap may be required.
  6. Mount cart corral sign (A) 8' from finish grade.

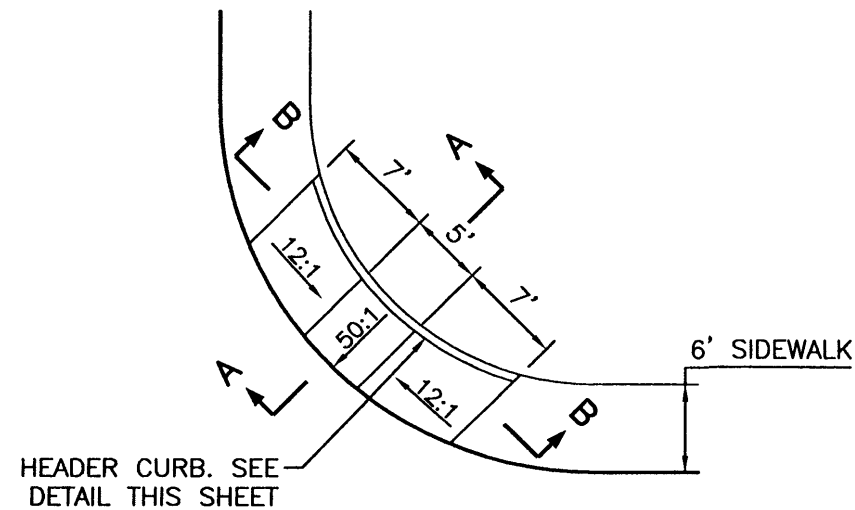


MODEL	DESCRIPTION	DIMENSIONS	APPX. CAP.	WEIGHT
102	2-BAY, 1 WAY ENTRY CORRAL W/2' x 4' UNDERHUNG SIGN	60"W x 10'D x 8'H	20 CARTS	150#
103	1-BAY, 1 WAY ENTRY CORRAL W/2' x 4' UNDERHUNG SIGN	36"W x 10'D x 8'H	10 CARTS	152#
104	3-BAY, 1 WAY ENTRY CORRAL W/2' x 4' UNDERHUNG SIGN	80"W x 10'D x 8'H	45 CARTS	250#

NOTE: CART CORRALS WILL BE PROVIDED BY WAL-MART. PER SPECIFICATIONS. TO BE ASSEMBLED AND INSTALLED BY THE CONTRACTOR.

**SINGLE CART CORRAL DETAIL**

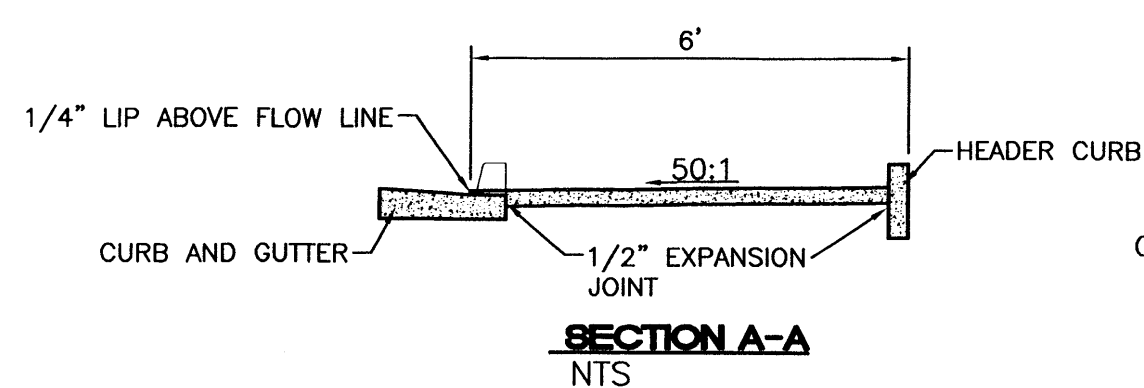
NTS



**WHEEL CHAIR RAMP DETAIL (TYP.)**

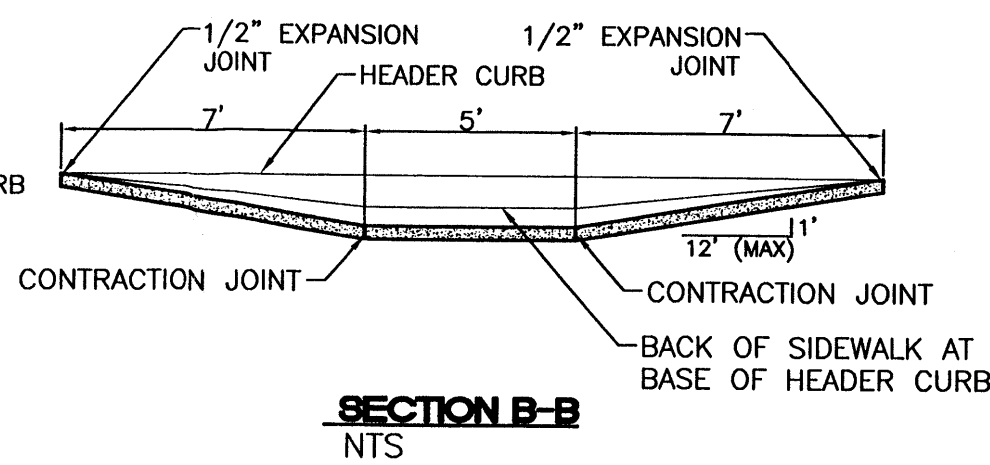
NTS

- GENERAL NOTES:**
1. SURFACE TEXTURE OF CURB ACCESS RAMPS SHALL BE OBTAINED BY HEAVY BROOMING, TRANSVERSE TO THE SLOPE OF THE RAMP.
  2. GUTTER FLOW LINE PROFILE SHALL BE MAINTAINED THROUGH THE AREA OF THE RAMP.
  3. CONSTRUCT PER A.D.A. STANDARDS.



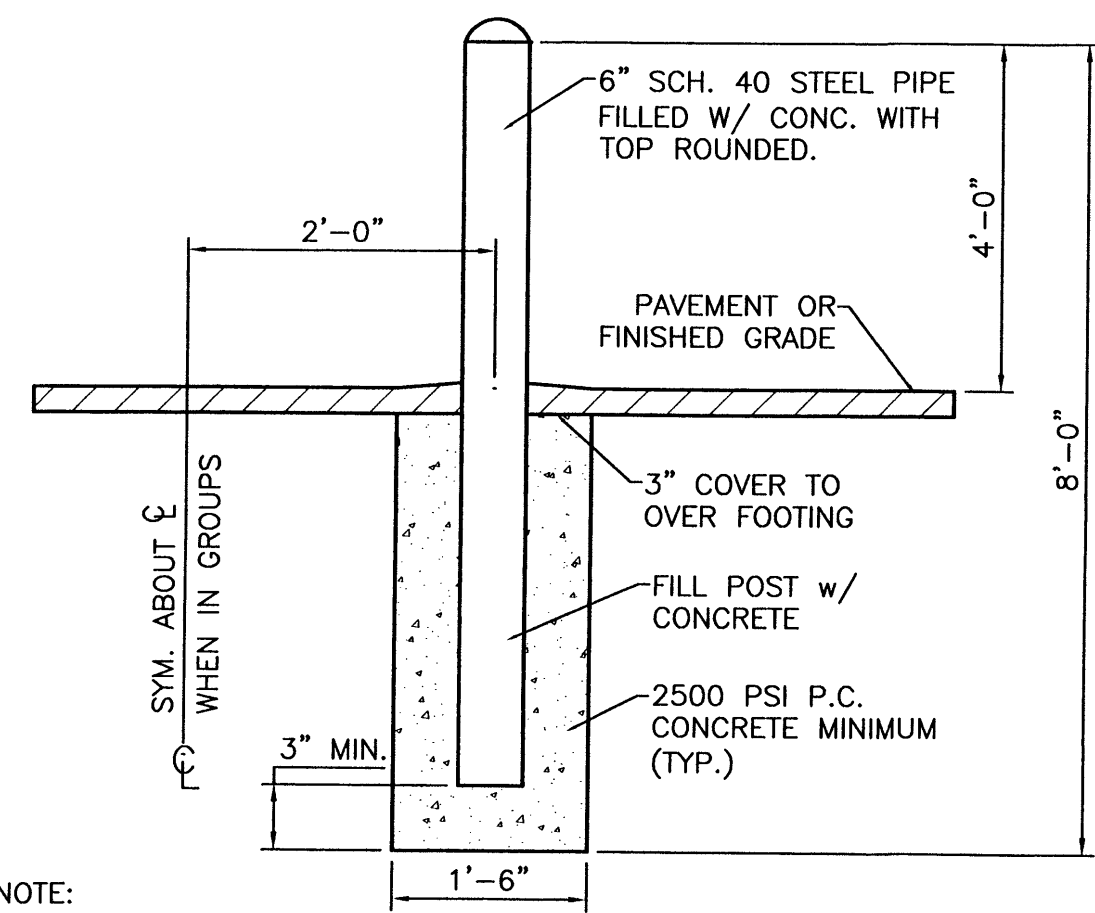
**SECTION A-A**

NTS



**SECTION B-B**

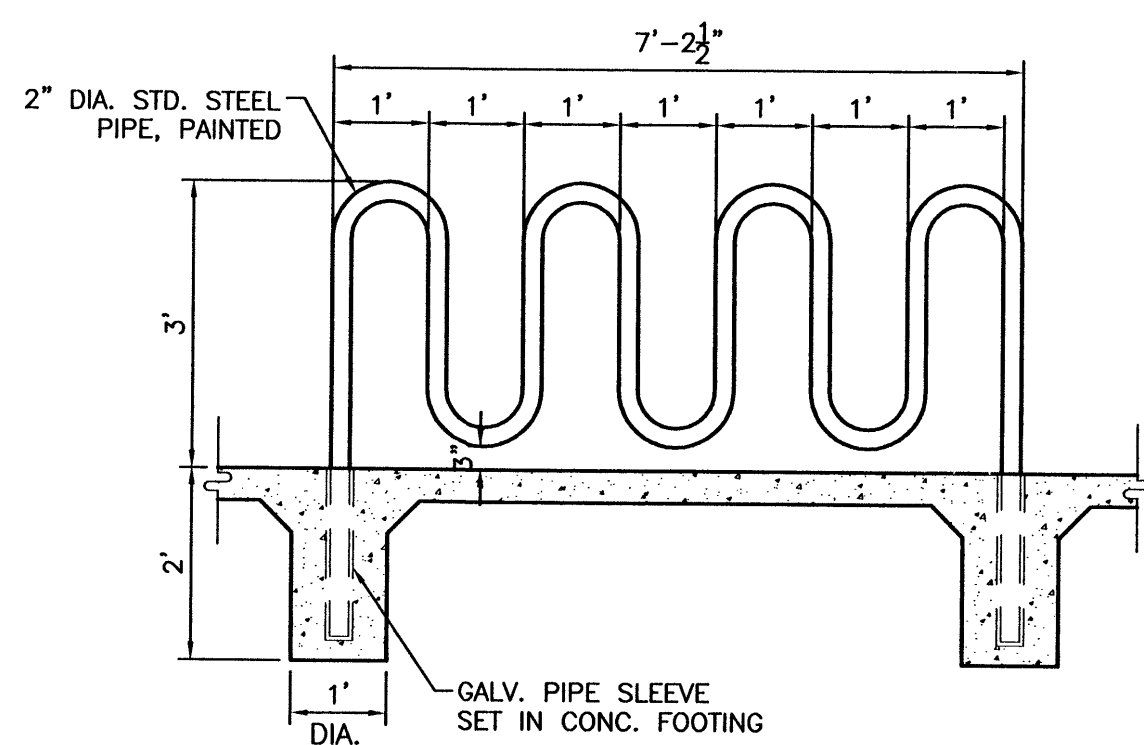
NTS



NOTE: ALL PIPES SHALL BE PAINTED TRAFFIC RED

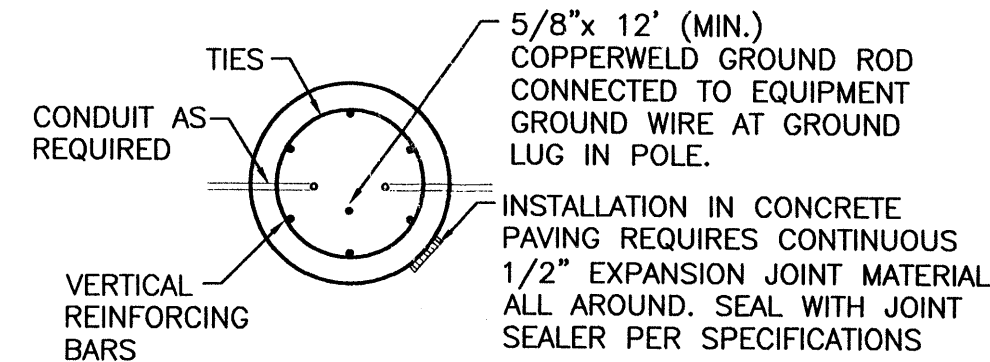
**BOLLARD DETAIL**

SCALE: NTS

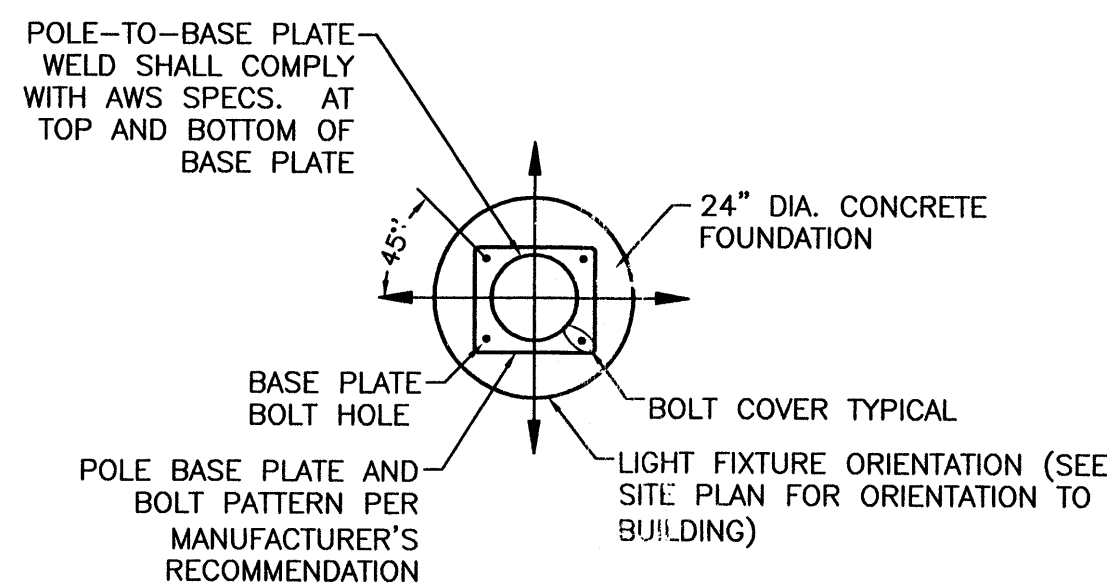


**BIKE RACK DETAIL**

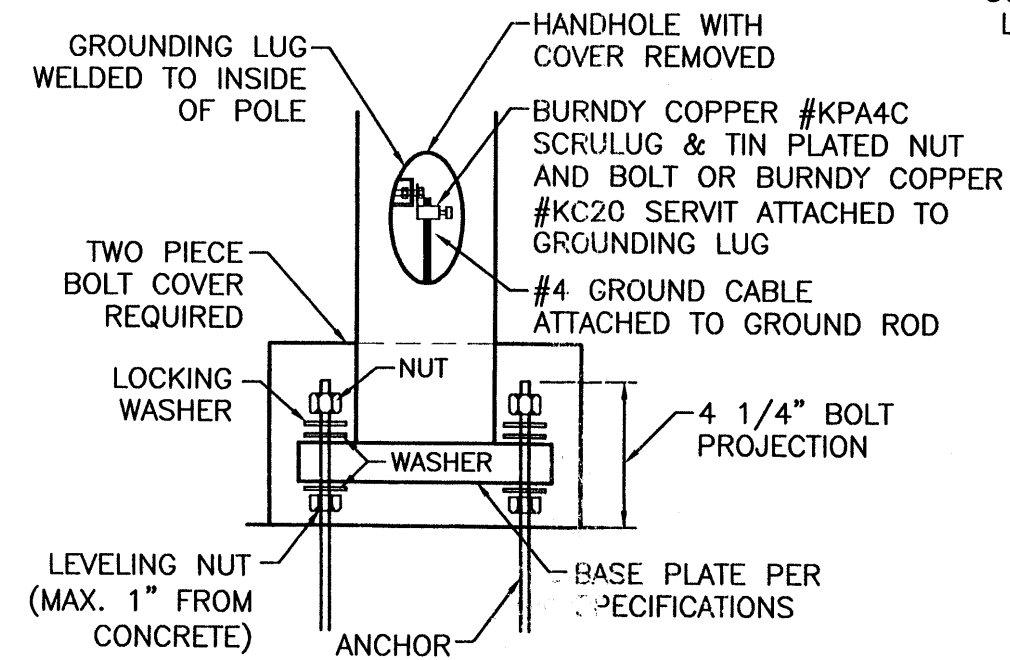
SCALE: 1/2"=1'



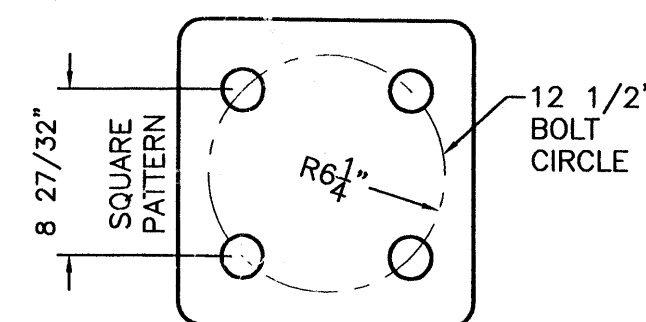
**SECTION "A-A"**



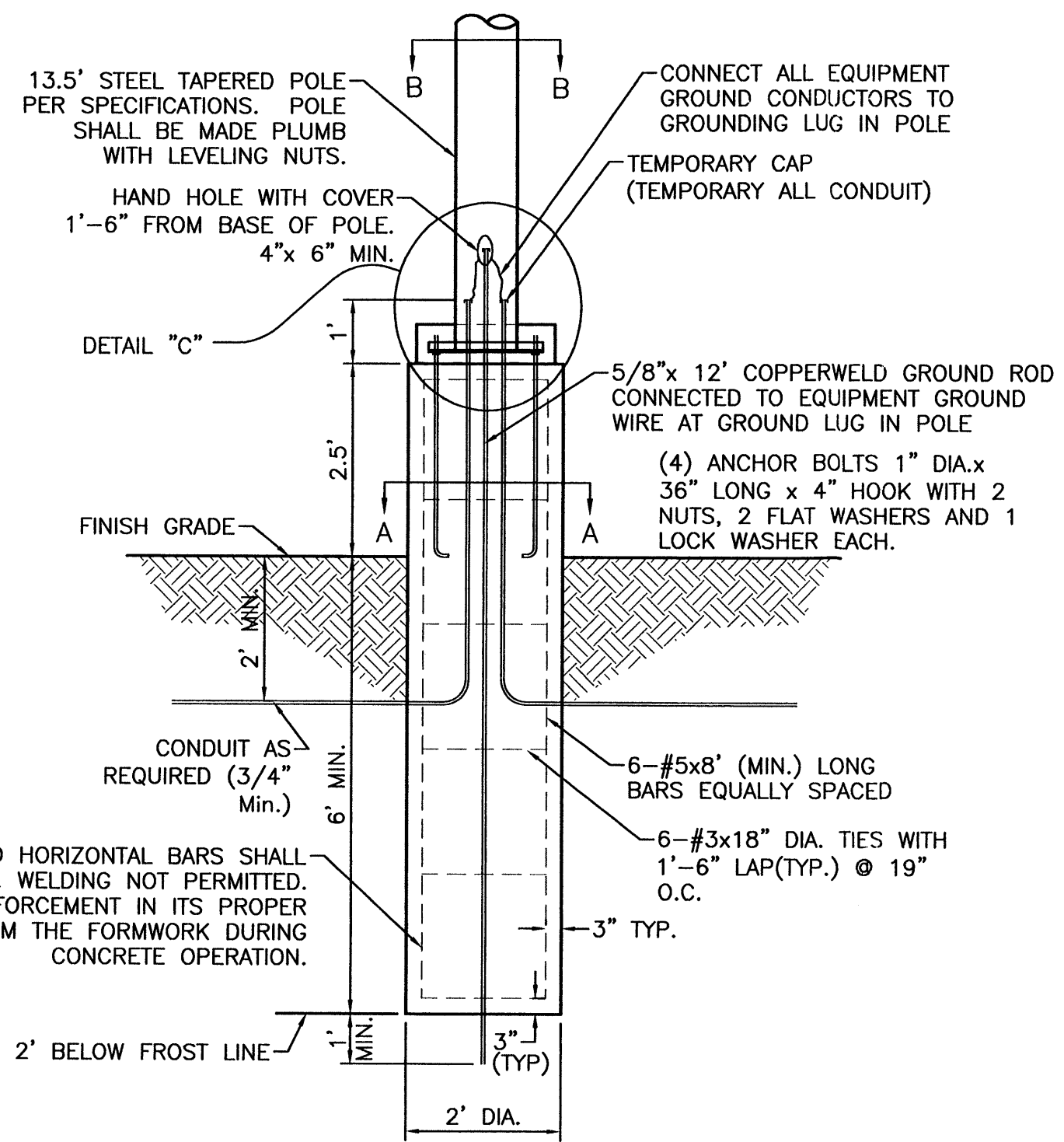
**SECTION "B-B"**



**DETAIL "C"**



**TYPICAL ANCHOR BOLT SPACING**



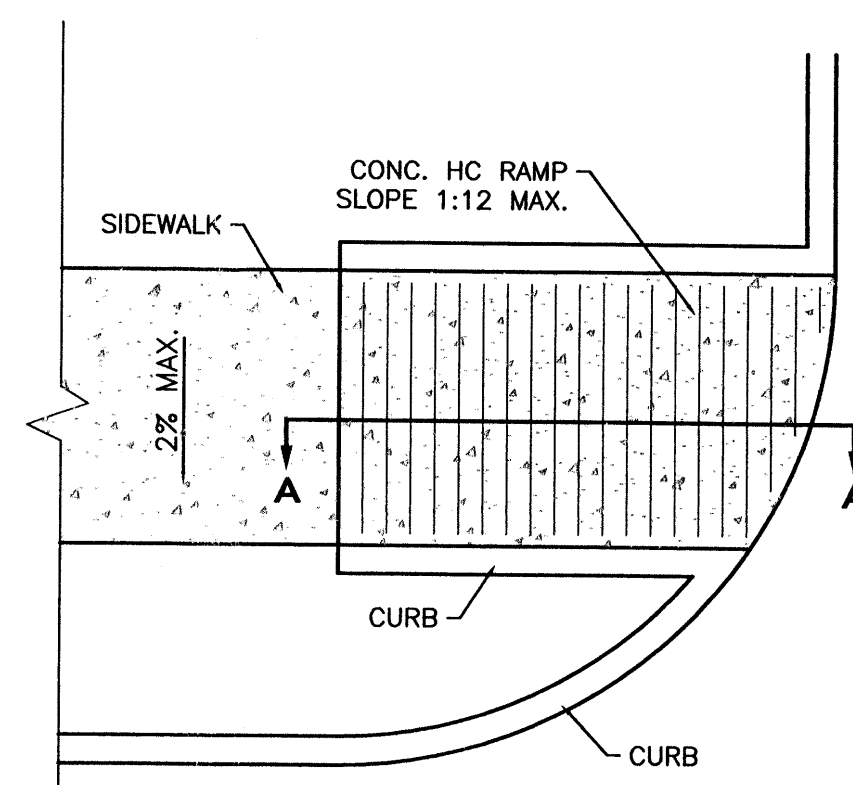
VERTICAL AND HORIZONTAL BARS SHALL BE FIELD TIED. WELDING NOT PERMITTED. SUPPORT REINFORCEMENT IN ITS PROPER LOCATION FROM THE FORMWORK DURING CONCRETE OPERATION.

**NOTES:**

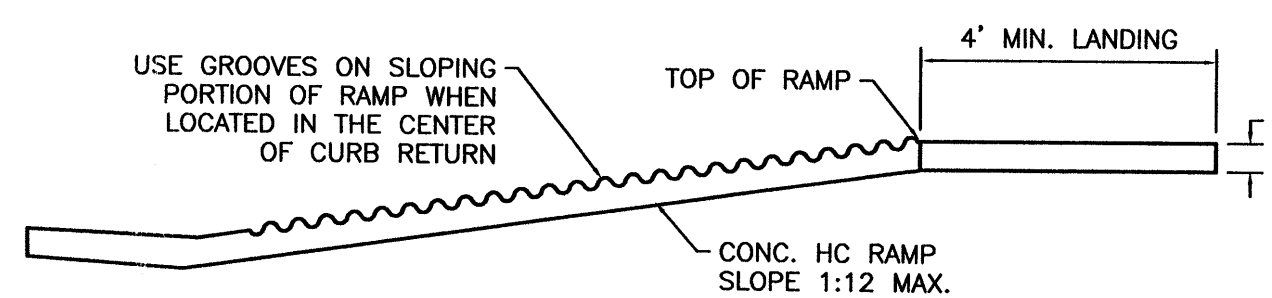
1. 3500 PSI MIN. 28 DAY COMPRESSIVE STRENGTH CONCRETE WITH GRADE 60 REINFORCING STEEL
2. IF WATER IS PRESENT IN HOLE, REMOVE BEFORE POURING CONCRETE.
3. FOUNDATION EXCAVATION SHALL BE BY 24" AUGER IN UNDISTURBED OR PROPERLY COMPACTED FILL PER SPECIFICATIONS.
4. FOUNDATION SHALL HAVE A MINIMUM ALLOWABLE END BEARING OF 2000 PSF.
5. FOUNDATION HAS BEEN DESIGNED FOR A COHESIVE SOIL BASED ON A MINIMUM COHESIVE VALUE OF 1000 PSF.
6. FOUNDATION HAS BEEN DESIGNED FOR A GRANULAR SOIL BASED ON A MINIMUM LATERAL SOIL PRESSURE OF 1000 PSF, UTILIZING AASHTO FIGURE 1.8.2C(4) OF "EMBEDMENT OF POSTS WITH OVERTURNING LOADS".
7. EXPOSED CONCRETE SHALL BE PAINTED TRAFFIC YELLOW.
8. DETAIL FOR 39' POLE WITH MAX. FIXTURE EPA 4.6 SQ.FT.

**TYPICAL LIGHTING POLE BASE DETAIL**

NTS



**PLAN**



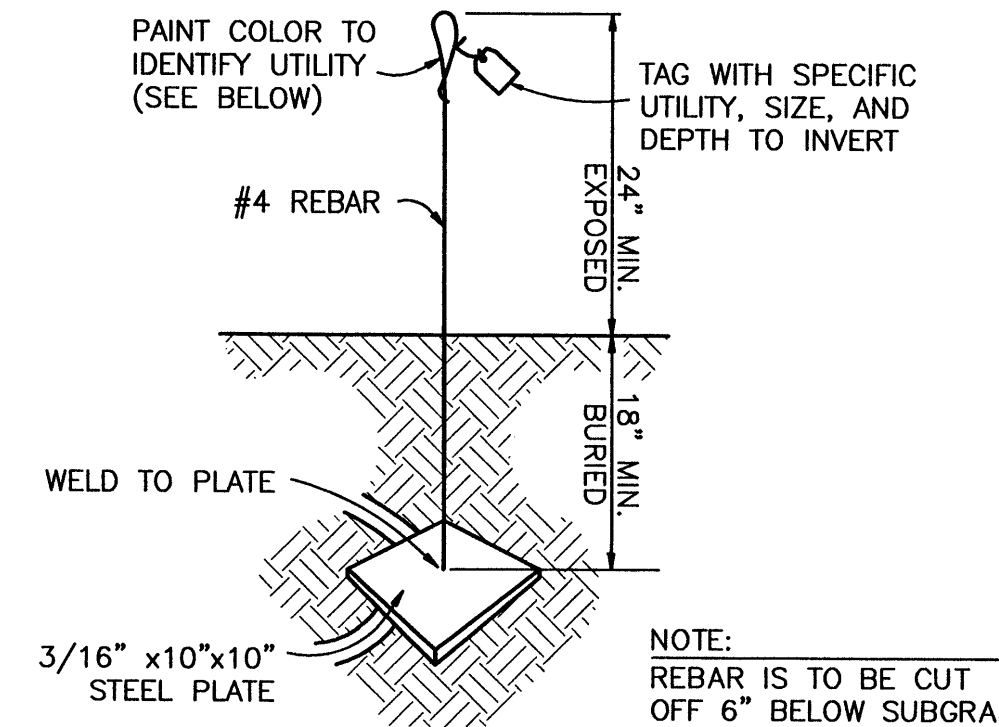
**SECTION A-A**

**UNIDIRECTIONAL HC RAMP**

SCALE: NTS

**NOTES:**

1. THE SURFACE OF RAMP AND SIDES SHALL HAVE A TRANSVERSE BROOMED SURFACE TEXTURE ROUGHER THAN THE SURROUNDING SIDEWALK.
2. THE RAMP SHALL BE GROOVED IN A TRANSVERSE PATTERN WITH 1/4" GROOVES APPROXIMATELY 1-1/2" O.C. SEE SECTION A-A.
3. THE BOTTOM OF THE RAMP SHALL HAVE A 1/4" LIP OF 45°.
4. RAMP SIDE SLOPE VARIES UNIFORMLY FROM A MAXIMUM OF UP TO 10% AT CURB TO CONFORM WITH LONGITUDINAL SIDEWALK SLOPE ADJACENT TO TOP OF THE RAMP.
5. CONSTRUCT PER A.D.A. STANDARDS.

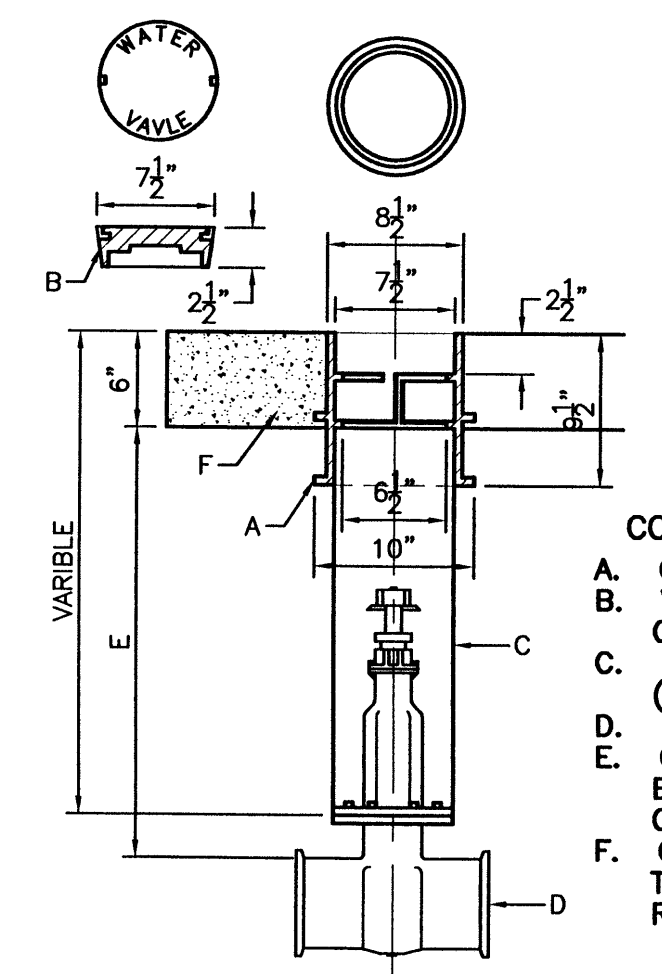


NOTE: REBAR IS TO BE CUT OFF 6" BELOW SUBGRADE AFTER UTILITY CONNECTION IS COMPLETED AND PRIOR TO PAVING

USE AT CAPPED END OF ALL UTILITY SERVICE CONNECTIONS TO/FROM SAM'S CLUB, WAL-MART STORES & SUPERCENTERS

UTILITY	COLOR
SEWER	GREEN
WATER	BLUE
STORM DRAIN	WHITE
ELECTRICAL	RED
GAS	YELLOW
TELCO/CATV	ORANGE
FUTURE SITE LIGHTING	PINK
FIBER OPTIC (GAS STATION)	PURPLE

**TYPICAL UTILITY MARKER**



**GATE VALVE DETAIL**

NTS

**CONSTRUCTION NOTES:**

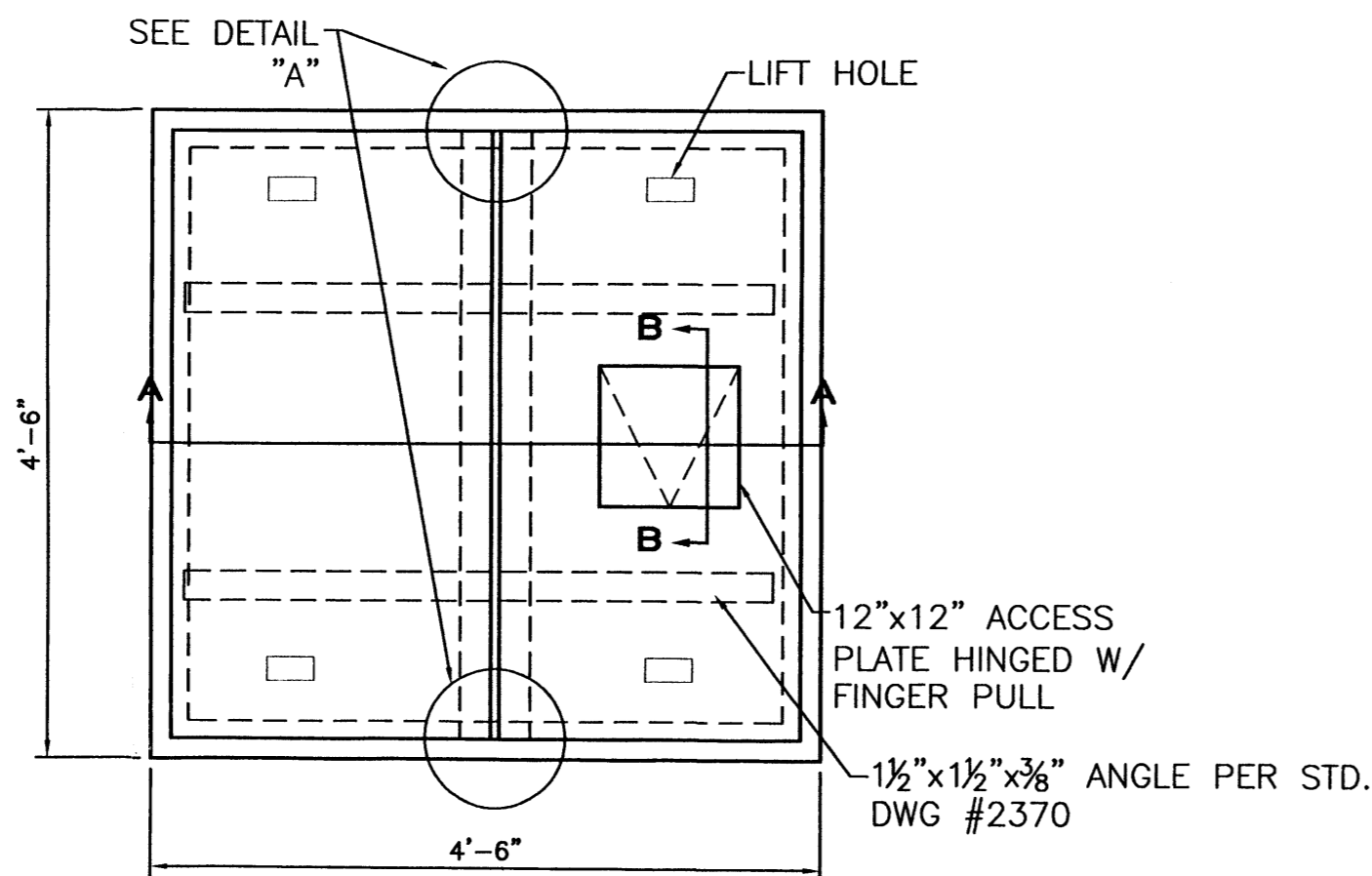
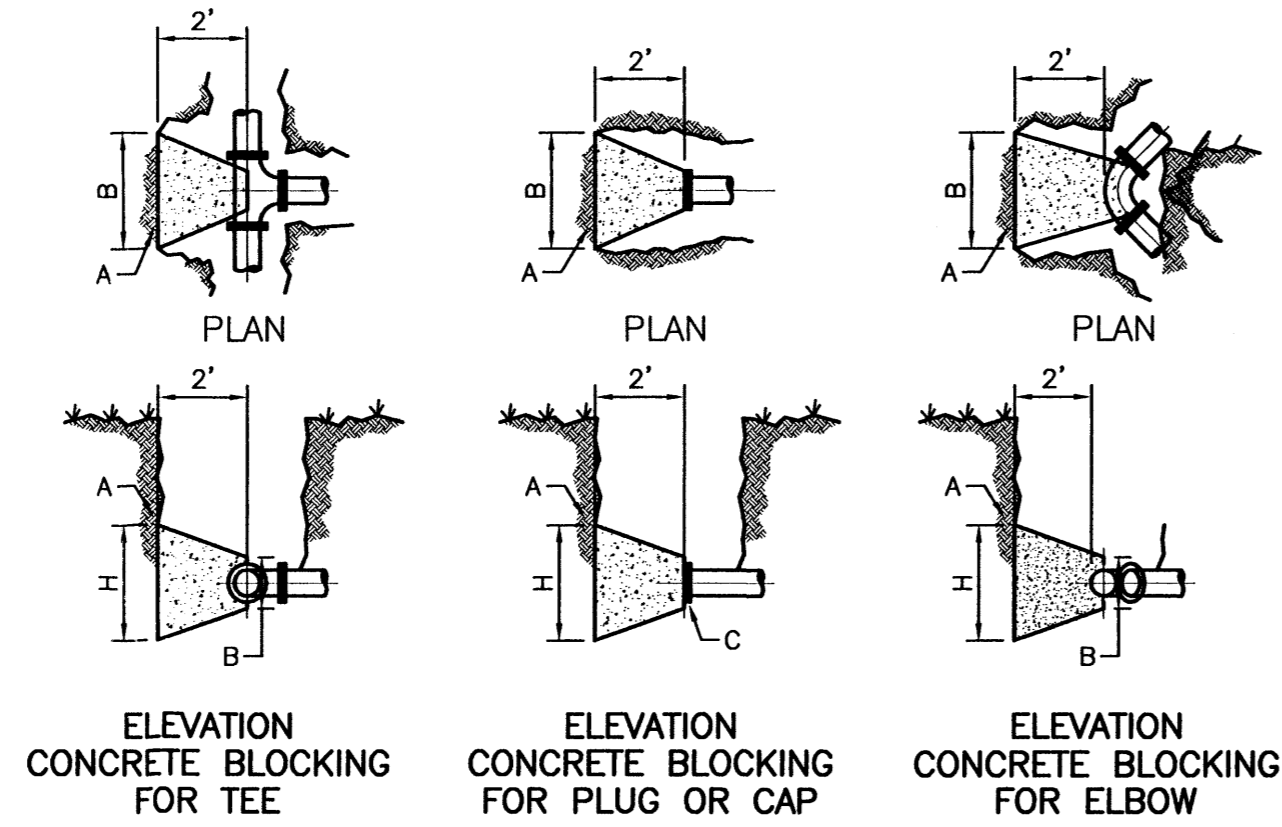
- A. CAST VALVE BOX.
- B. VALVE BOX LID (LOCKING LID OPTIONAL).
- C. 6" PVC C-900 PIPE (LENGTH VARIES)
- D. NEW OR EXISTING VALVE
- E. COMPACTED BACKFILL SOIL OR BASE COURSE MATERIAL (95% COMPACTION).
- F. CONCRETE COLLAR (2'x2'x6") TO BE TAPPED IN UNPAVED ROADWAYS.

NO.	DATE	REMARKS	BY
REVISIONS			
ENGINEER'S SEAL		ALBUQUERQUE WAL-MART EXPANSION, NM: 850-03	
DRAWN BY		BDG	
DATE		12/09/02	
DETAILS		DETAILS1.DWG	
SHEET #		10	
TERRA WEST, LLC		8509 JEFFERSON NE ALBUQUERQUE, NEW MEXICO 87113 (505)858-3100	
RONALD R. BOHANNAN P.E. #7868		JOB # 21075	

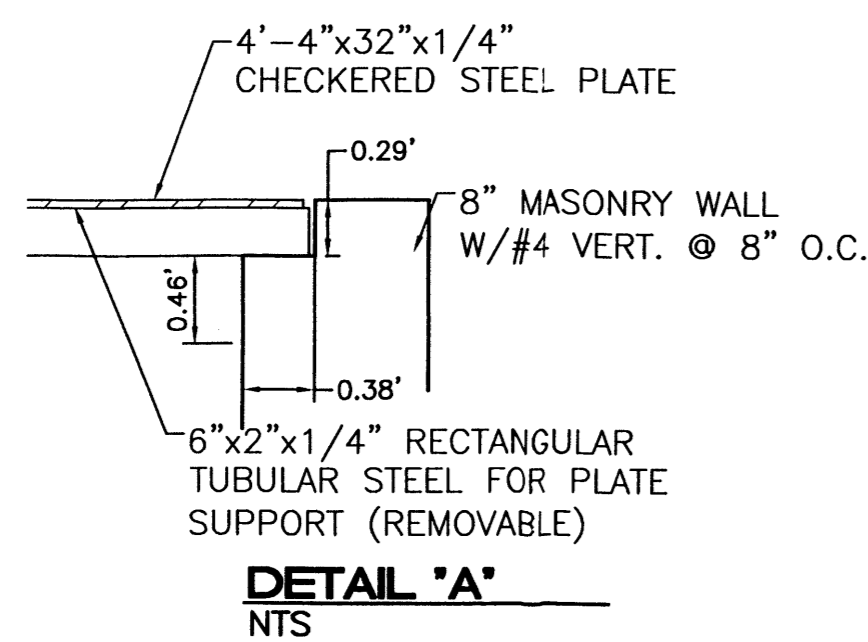
PIPE SIZE	ELBOW ANGLE	ELBOW (B) DIM.	ELBOW (H) DIM.	TEE OR PLUG (B) DIM.	TEE OR PLUG (H) DIM.
4"	90°, 45°	2'	2'	2'	2'
4"	22.5°, 11.25°	2'	2'	2'	2'
6"	90°, 45°	2'	2'	2'	2'
6"	22.5°, 11.25°	2'	2'	2'	2'
8"	90°	3'	3'	3'	3'
8"	45°	2'	2'	3'	3'
8"	22.5°, 11.25°	2'	2'	3'	3'
10"	90°	3'-6"	3'-6"	3'	3'
10"	45°	3'	3'		
10"	22.5°, 11.25°	2'	2'		
12"	90°	4'	4'	3'-6"	3'-6"
12"	45°	3'-6"	3'-6"		
12"	22.5°, 11.25°	2'	2'		
14"	90°	5'	5'	4'	4'
14"	45°	3'-6"	3'-6"		
14"	22.5°, 11.25°	3'	3'		

CONSTRUCTION NOTE:  
A. UNDISTURBED EARTH  
B. O.D. OF PIPE +6"  
C. O.D. OF CAP OR PLUG, MIN. 12"x12"

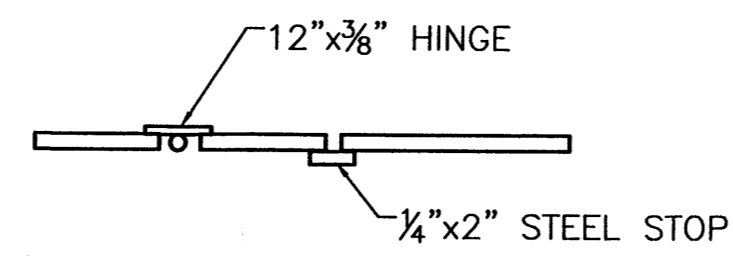
**CONCRETE BLOCKING DESIGN**  
NTS PER COA STD DWG #2320



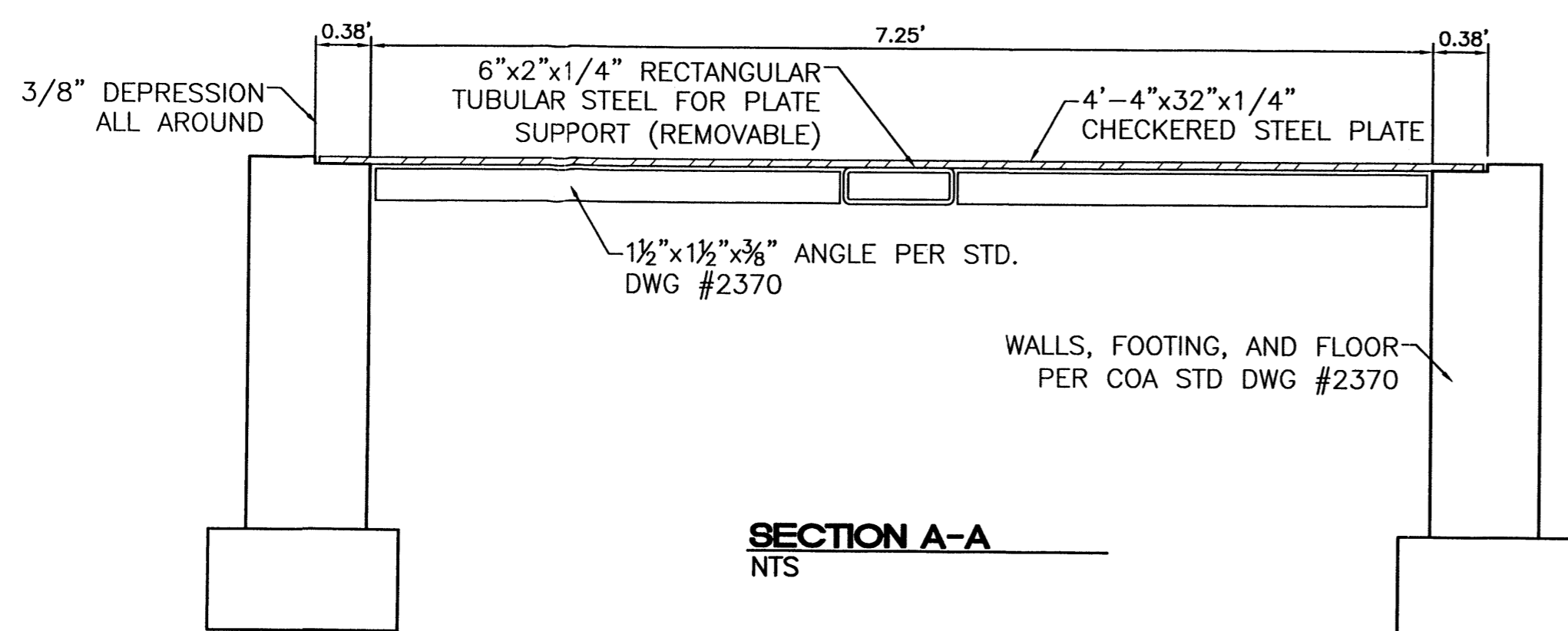
**ROOF PLAN**  
NTS



**DETAIL 'A'**  
NTS



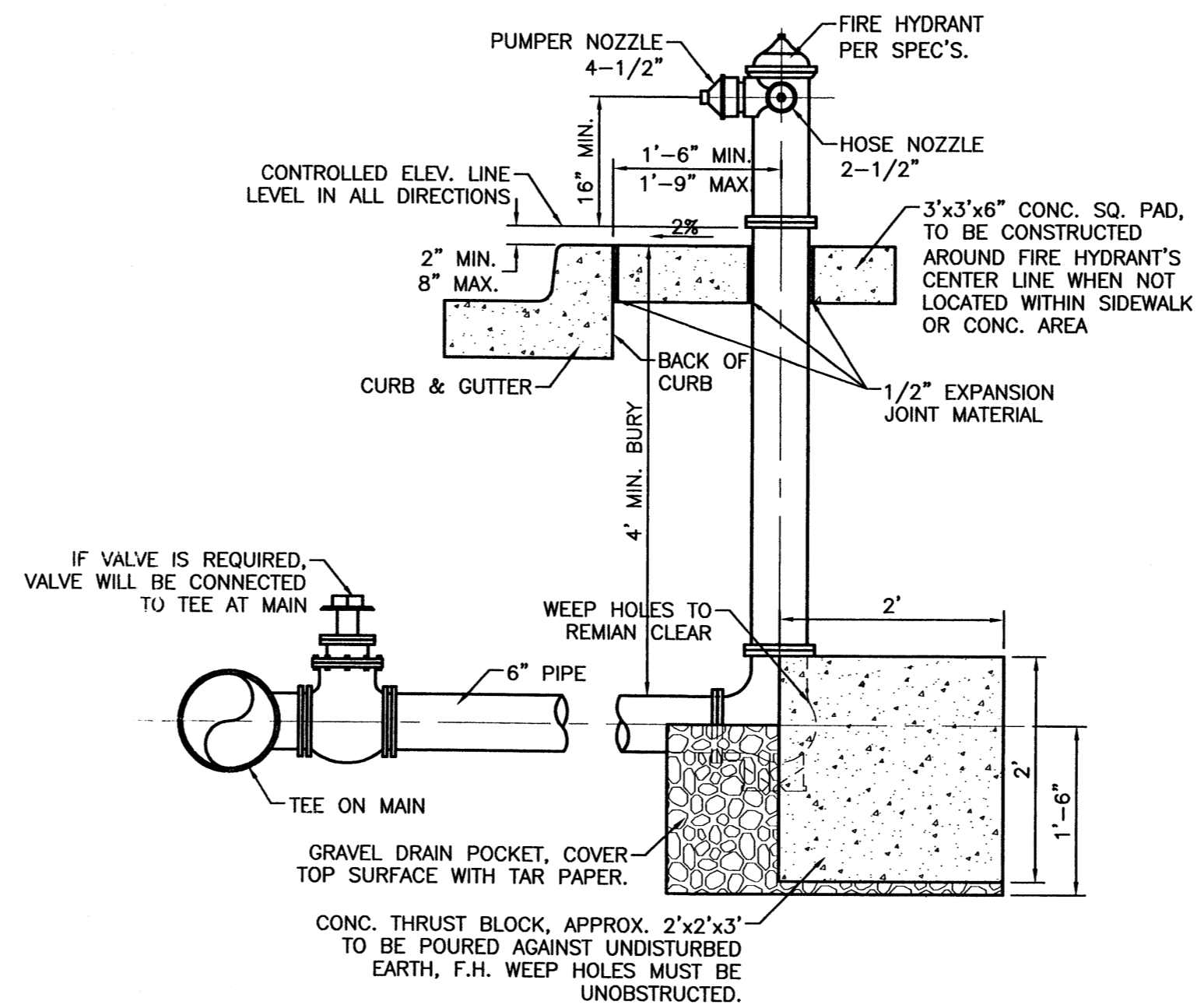
**SECTION B-B (HINGE DETAIL)**  
NTS



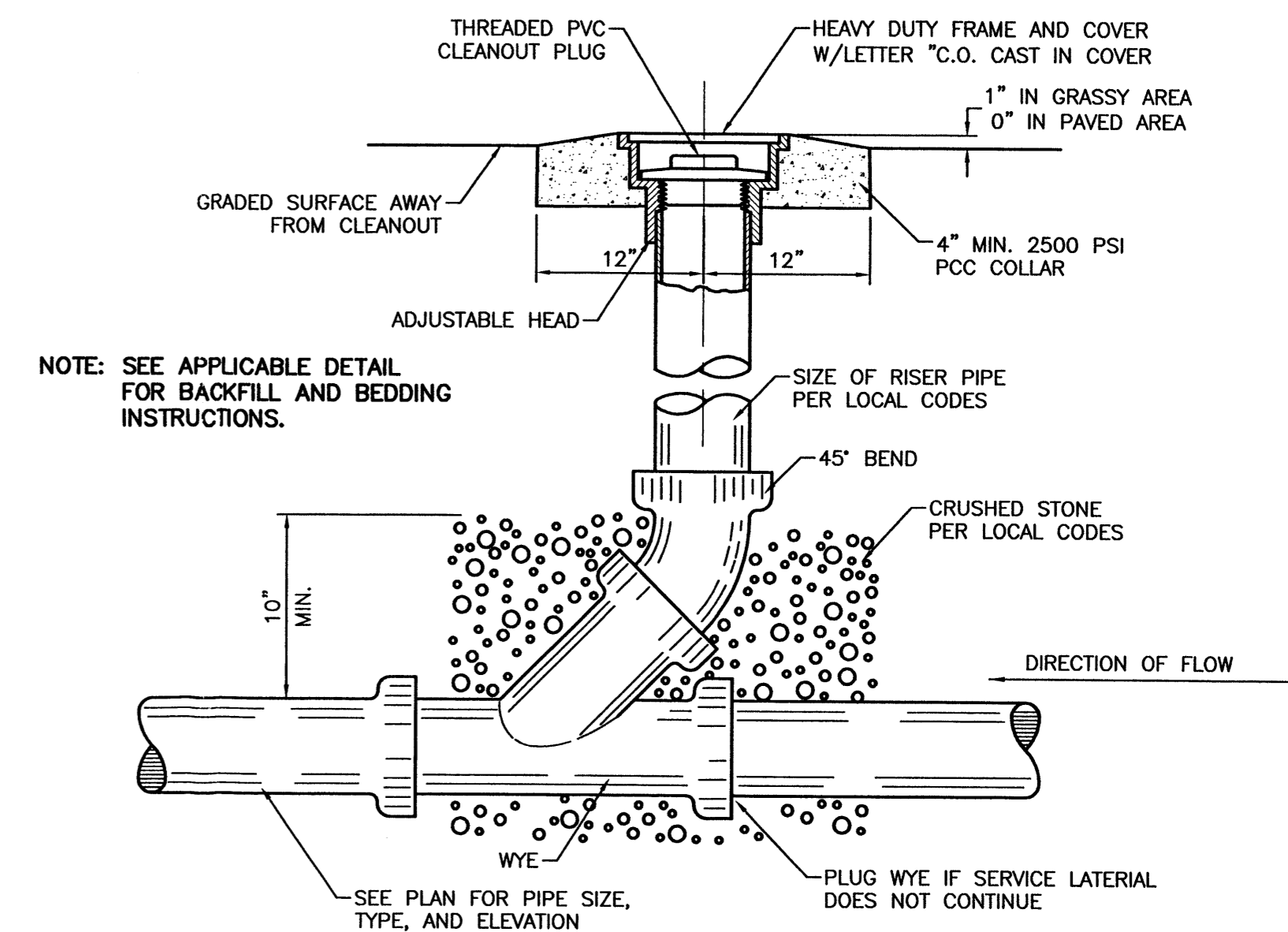
**SECTION A-A**  
NTS

NOTE:  
1. ALL EXPOSED STEEL WILL BE PAINTED WITH ONE SHOP COAT AND TWO FINISH COATS OF ALUMINUM PAINT (AASHTO M 69).  
2. STEEL PLATE WILL HAVE A CHECKERED, NON-SKID PATTERN.  
3. COMPRESSIVE STRENGTH FOR ALL CONCRETE SHALL BE 3000 PSI.

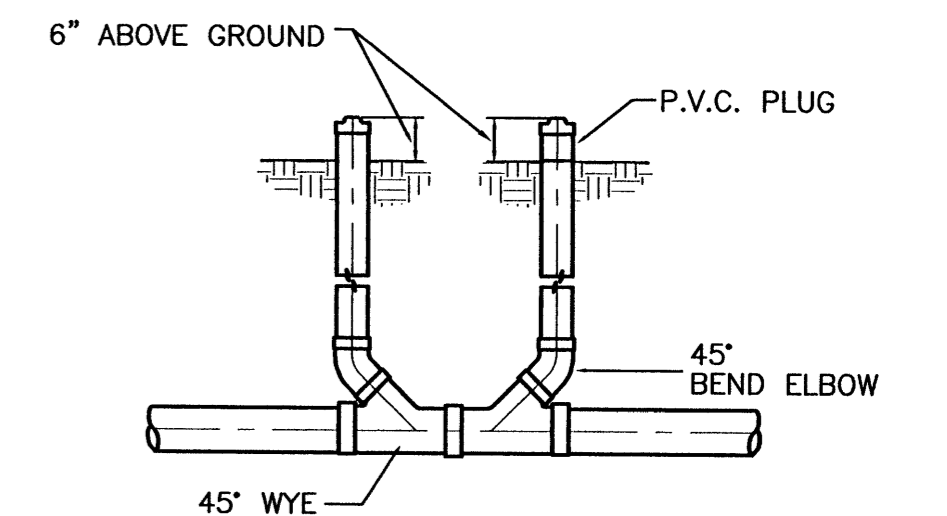
**3' METER PIT DETAIL**  
NTS



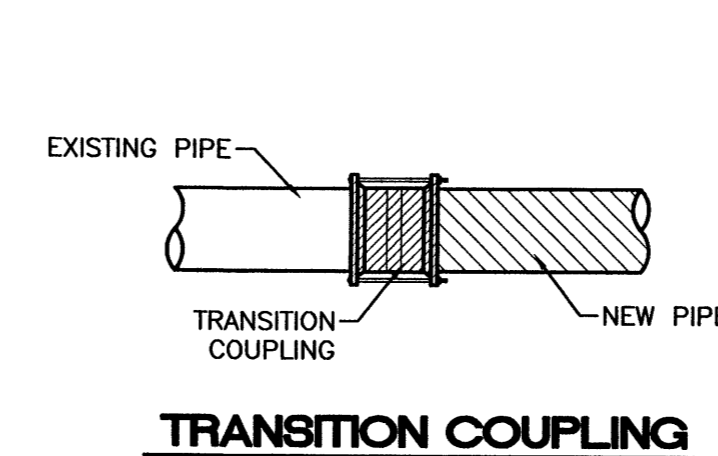
**FIRE HYDRANT SETTING WITH BLOCKING DETAIL**  
SCALE: 3/4"=1' PER COA STD DWG #2340



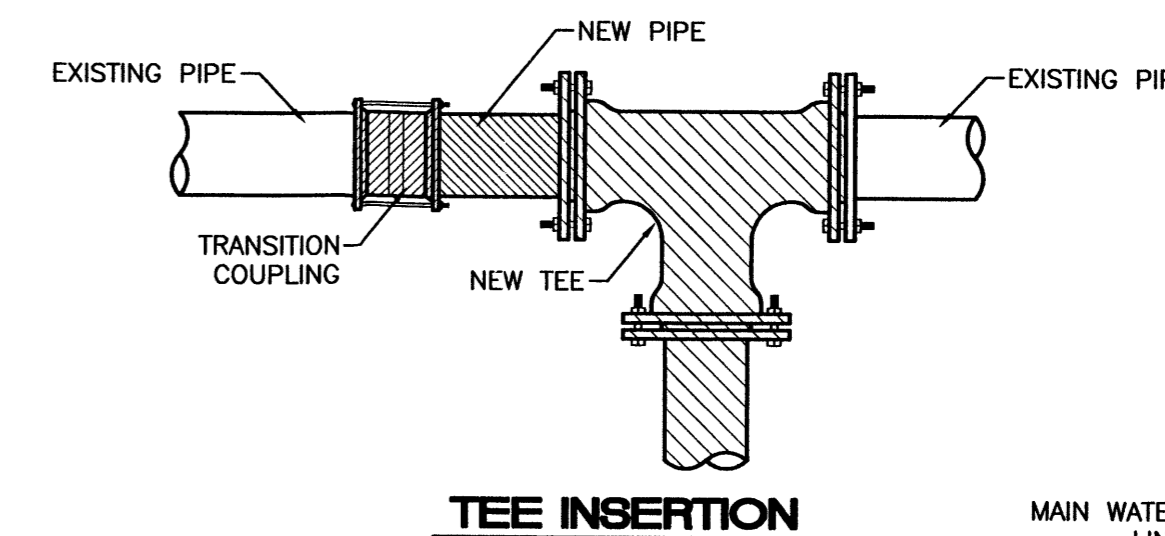
**SANITARY SEWER CLEAN-OUT**  
NTS



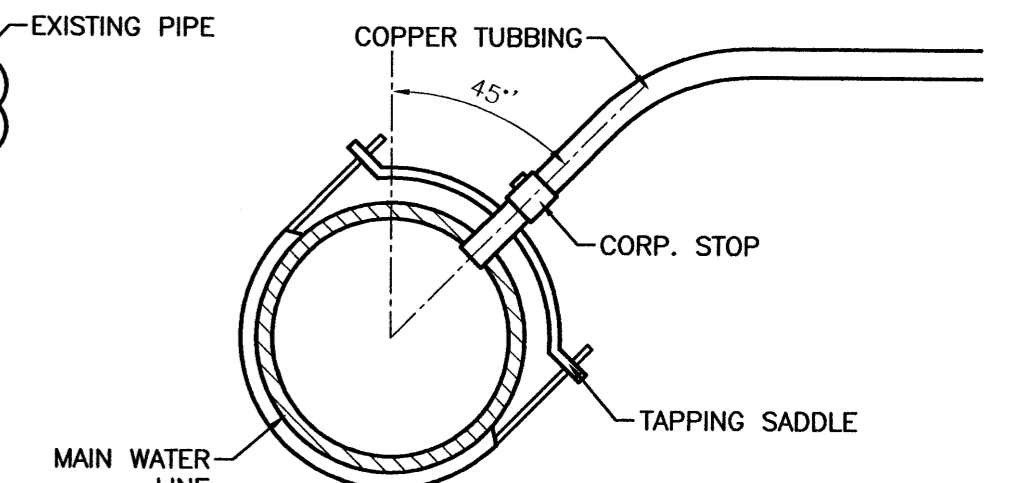
**DOUBLE CLEAN-OUT**  
NTS



**TRANSITION COUPLING**  
NTS



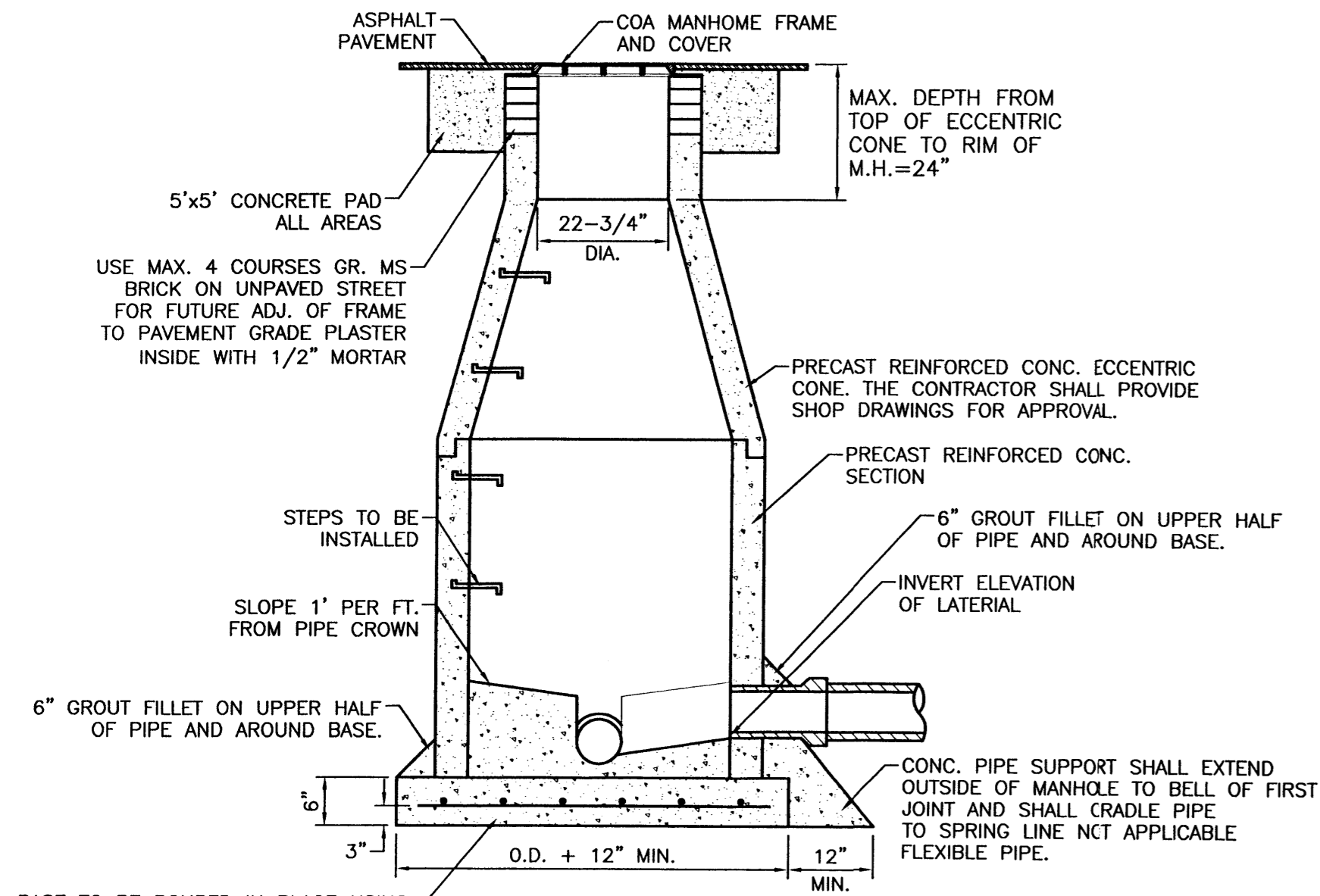
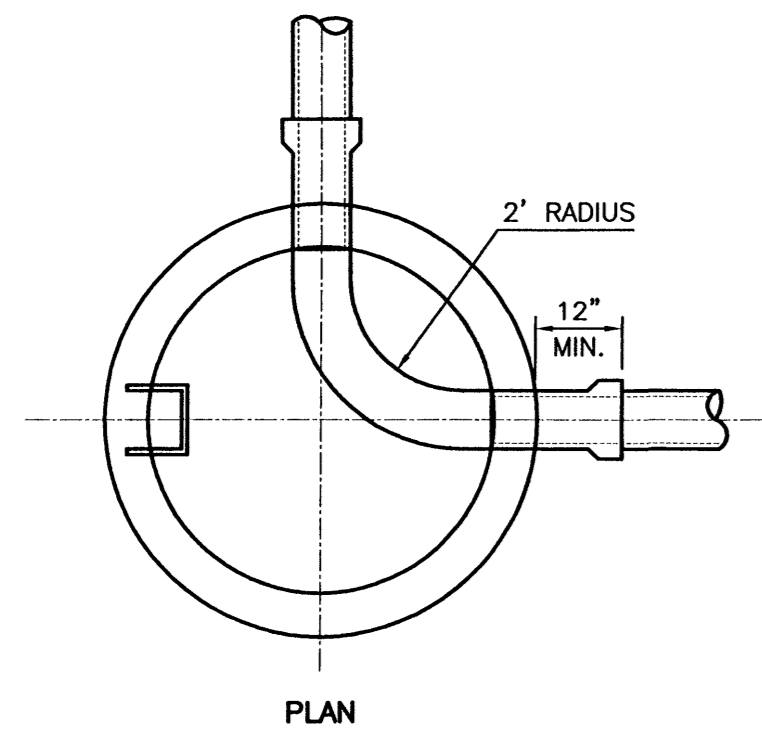
**TEE INSERTION**  
NTS



**SERVICE TAP CONNECTION**  
NTS

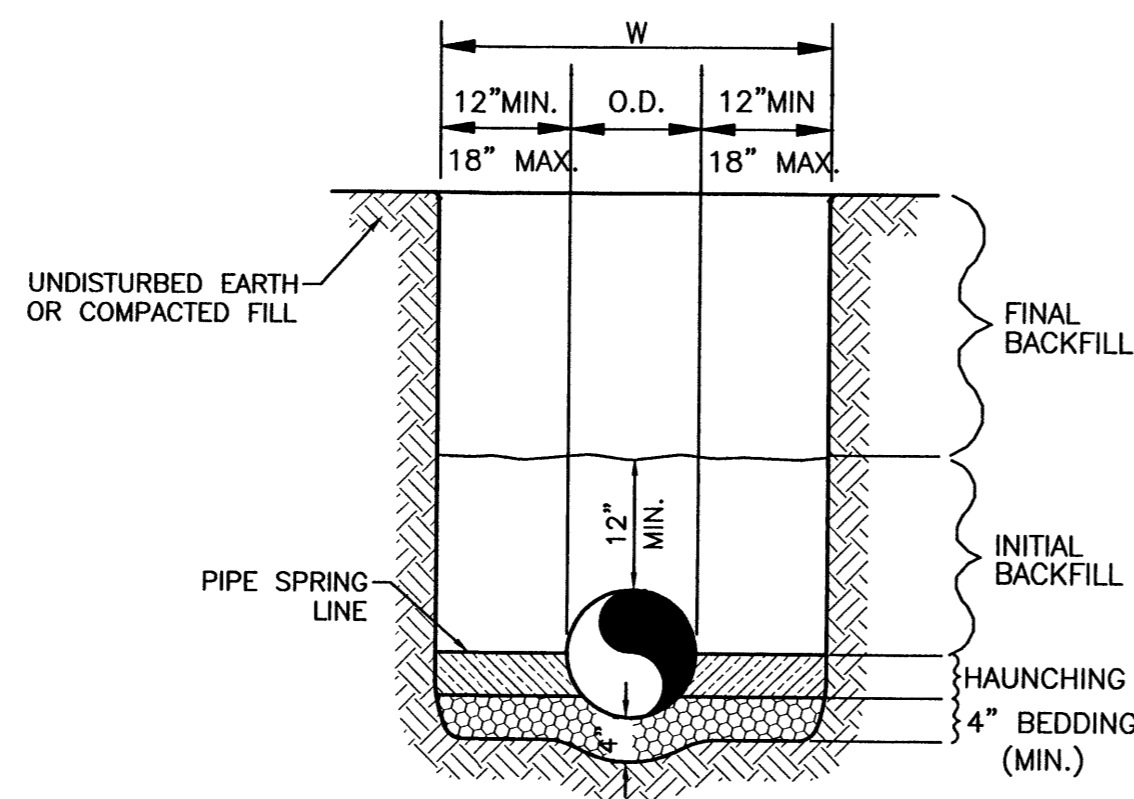
**WATER CONNECTION DETAILS**  
NTS

NO.	DATE	REMARKS	BY
REVISIONS			
ENGINEER'S SEAL		ALBUQUERQUE WAL-MART EXPANSION, NM: 850-03	
DRAWN BY		BDG	
DATE		12/09/02	
DETAILS		DETAILS1.DWG	
SHEET #		11	
TERRA WEST, L.L.C.		8509 JEFFERSON NE ALBUQUERQUE, NEW MEXICO 87113 (505)858-3100	
RONALD R. BOHANNAN P.E. #7868		JOB # 21075	

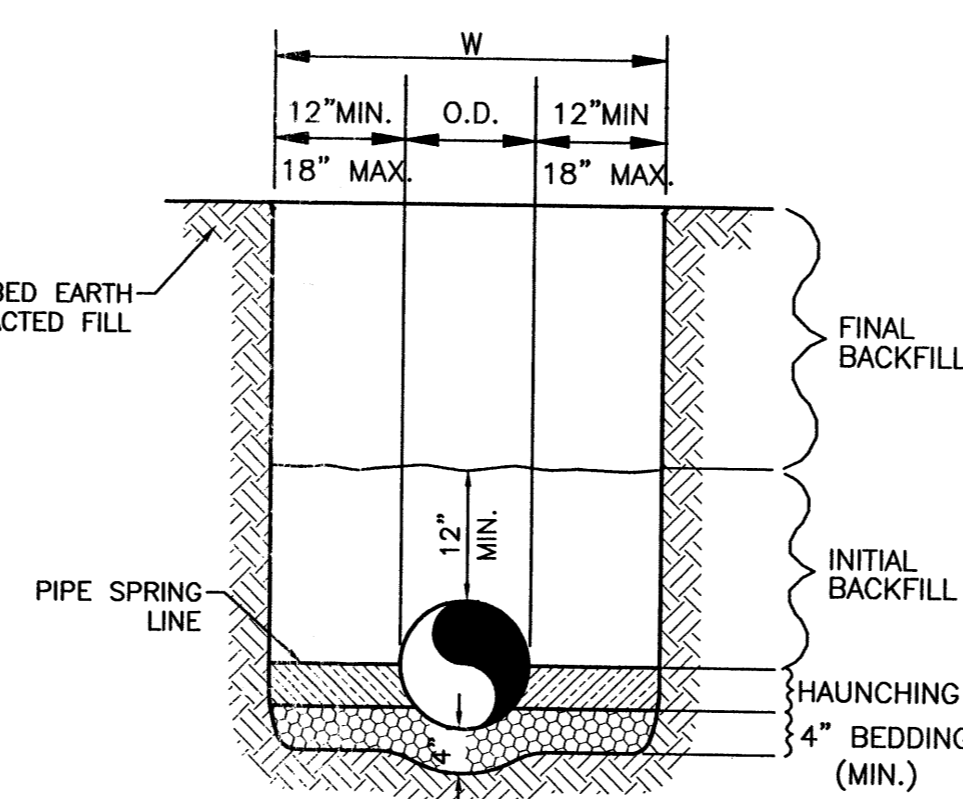


NOTE:  
 1. DETAIL IS THE SAME AS SHOWN IN THE CITY OF ALBUQUERQUE STANDARD SPECIFICATION FOR PUBLIC WORKS DRAWING NO. 2102.  
 2. USE NON-SHRINK GROUT FOR JOINTS, FILLETS, AND PIPE PENETRATIONS.  
 3. COMPACT ALL BACKFILL AROUND MANHOLES TO 95%.  
 4. POSITION MANHOLE OPENING OVER THE UPSTREAM SIDE OF MAIN LINE.

**SEWER MANHOLE TYPE 'E' DETAIL**  
 NTS



**WATER LINE**

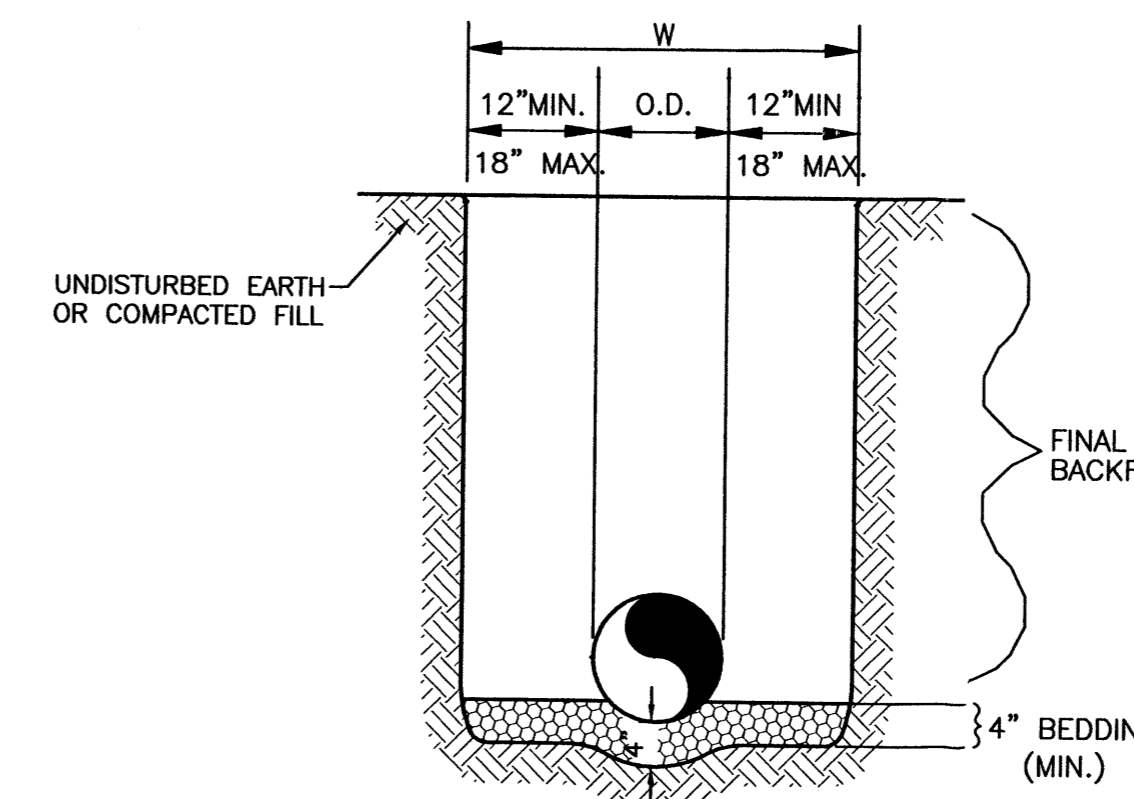


**SANITARY SEWER**

**GENERAL NOTES**

- BEDDING SHALL BE CLASS I-A WORKED BY HAND. IF GROUNDWATER IS ANTICIPATED, THEN BEDDING SHALL BE CLASS I-B COMPACTED TO 85% STANDARD PROCTOR. (SEE SPECIFICATIONS FOR GRADATION)
- HAUNCHING SHALL BE WORKED AROUND THE PIPE BY HAND TO ELIMINATE VOIDS AND SHALL BE CLASS I-A OR CLASS I-B OR CLASS II COMPACTED TO 85% PROCTOR.
- INITIAL BACKFILL SHALL BE CLASS I-A WORKED BY HAND, OR CLASS I-B OR CLASS II COMPACTED TO 85% STANDARD PROCTOR.
- INITIAL BACKFILL NOT UNDER PAVED AREAS CAN BE CLASS III COMPACTED TO 90% STANDARD PROCTOR.
- FINAL BACKFILL SHALL BE CLASS I, II, OR III COMPACTED AS NOTED IN NOTES 3. AND 4.
- FINAL BACKFILL NOT UNDER PAVED AREAS CAN BE CLASS IV-A COMPACTED TO 95% STANDARD PROCTOR.
- ALL MATERIALS ARE CLASSIFIED IN ACCORDANCE WITH ASTM D 2321-89.
- ALL MATERIALS SHALL BE INSTALLED IN MAXIMUM 8" LOOSE LIFTS IN ACCORDANCE WITH ASTM D 698. CLASS III AND IV-A MATERIALS SHALL BE COMPACTED NEAR OPTIMUM MOISTURE CONTENT.
- FILL SALVAGED FROM EXCAVATION SHALL BE FREE OF DEBRIS, ORGANICS AND ROCKS LARGER THAN 3".
- ALL TRENCH EXCAVATIONS SHALL BE SLOPED, SHORED, SHEETED, BRACED, OR OTHERWISE SUPPORTED IN COMPLIANCE WITH OSHA REGULATIONS AND LOCAL ORDINANCES. (SEE SPECIFICATIONS)

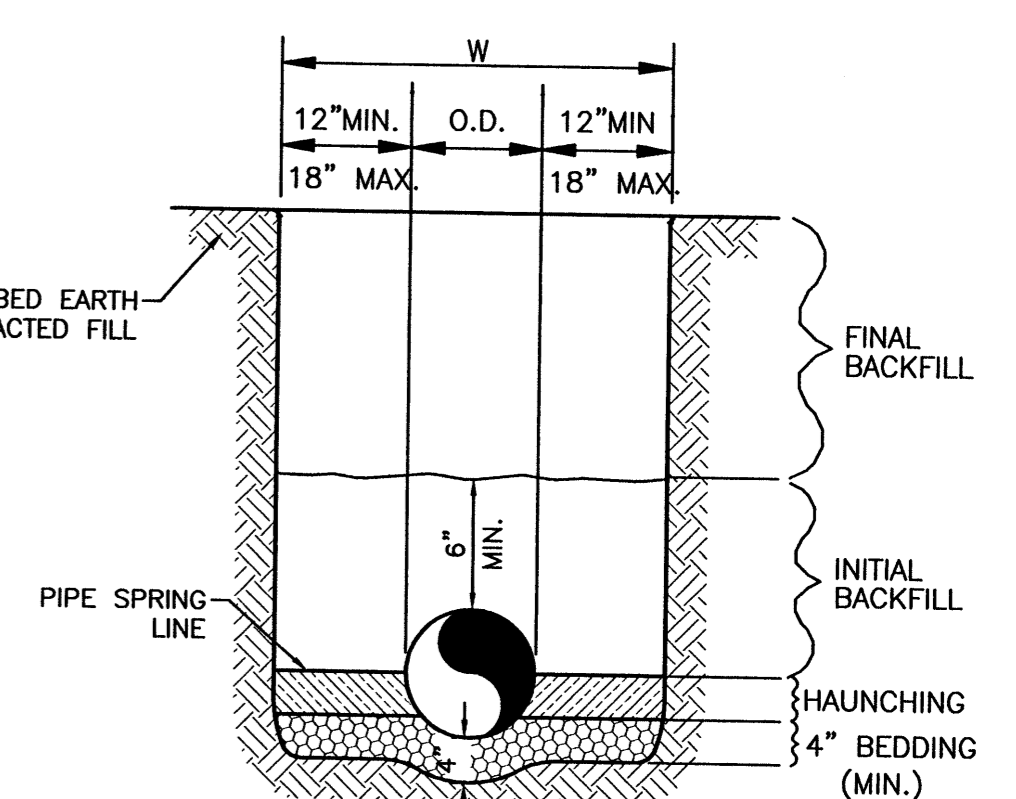
**UTILITY TRENCH AND BEDDING DETAIL**  
 NTS



**REINFORCED CONCRETE PIPE (RCP) AND CONTECH SPIRAL RIB PIPE SMALLER THAN 60"**

**GENERAL NOTES**

- BEDDING SHALL BE CLASS I-A WORKED BY HAND. IF GROUNDWATER IS ANTICIPATED, THEN BEDDING SHALL BE CLASS I-B COMPACTED TO 85% STANDARD PROCTOR. (SEE SPECIFICATIONS FOR GRADATION)
- HAUNCHING SHALL BE WORKED AROUND THE PIPE BY HAND TO ELIMINATE VOIDS AND SHALL BE CLASS I-A OR CLASS I-B OR CLASS II COMPACTED TO 85% PROCTOR.
- INITIAL BACKFILL SHALL BE CLASS I-A WORKED BY HAND, OR CLASS I-B OR CLASS II COMPACTED TO 85% STANDARD PROCTOR.
- INITIAL BACKFILL NOT UNDER PAVED AREAS CAN BE CLASS III COMPACTED TO 90% STANDARD PROCTOR.
- FINAL BACKFILL SHALL BE CLASS I, II, OR III COMPACTED AS NOTED IN NOTES 3. AND 4.
- FINAL BACKFILL NOT UNDER PAVED AREAS CAN BE CLASS IV-A COMPACTED TO 95% STANDARD PROCTOR.
- ALL MATERIALS ARE CLASSIFIED IN ACCORDANCE WITH ASTM D 2321-LATEST EDITION.
- ALL MATERIALS SHALL BE INSTALLED IN MAXIMUM 8" LOOSE LIFTS IN ACCORDANCE WITH ASTM D 698. CLASS III AND IV-A MATERIALS SHALL BE COMPACTED NEAR OPTIMUM MOISTURE CONTENT.
- FILL SALVAGED FROM EXCAVATION SHALL BE FREE OF DEBRIS, ORGANICS AND ROCKS LARGER THAN 3".
- ALL TRENCH EXCAVATIONS SHALL BE SLOPED, SHORED, SHEETED, BRACED, OR OTHERWISE SUPPORTED IN COMPLIANCE WITH OSHA REGULATIONS AND LOCAL ORDINANCES. (SEE SPECIFICATIONS)

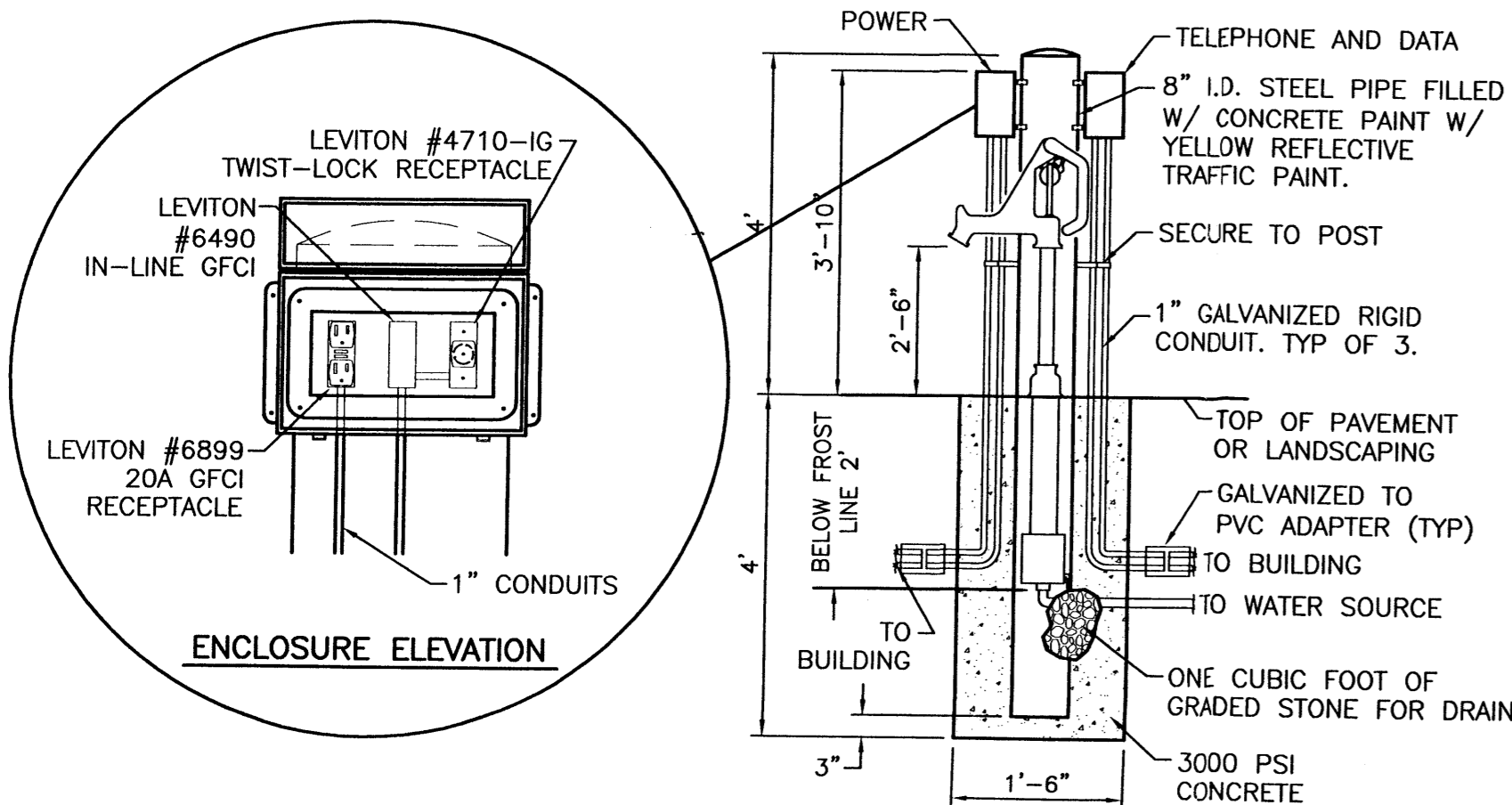
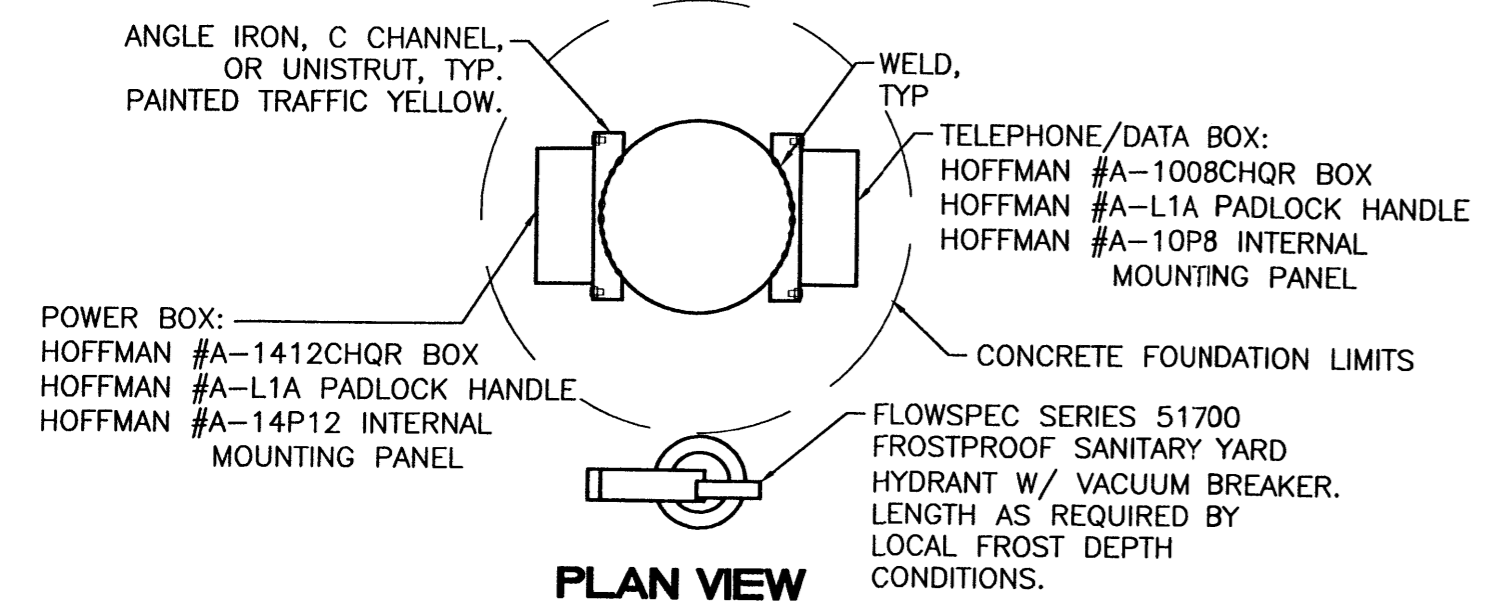


**ALL OTHER PIPES INCLUDING CONTECH SPIRAL RIB PIPE 60" AND LARGER**

**GENERAL NOTES**

- BEDDING SHALL BE CLASS I-A WORKED BY HAND. IF GROUNDWATER IS ANTICIPATED, THEN BEDDING SHALL BE CLASS I-B COMPACTED TO 85% STANDARD PROCTOR. (SEE SPECIFICATIONS FOR GRADATION)
- HAUNCHING SHALL BE WORKED AROUND THE PIPE BY HAND TO ELIMINATE VOIDS AND SHALL BE CLASS I-A OR CLASS I-B OR CLASS II COMPACTED TO 85% PROCTOR.
- INITIAL BACKFILL SHALL BE CLASS I-A WORKED BY HAND, OR CLASS I-B OR CLASS II COMPACTED TO 85% STANDARD PROCTOR.
- INITIAL BACKFILL NOT UNDER PAVED AREAS CAN BE CLASS III COMPACTED TO 90% STANDARD PROCTOR.
- FINAL BACKFILL SHALL BE CLASS I, II, OR III COMPACTED AS NOTED IN NOTES 3. AND 4.
- FINAL BACKFILL NOT UNDER PAVED AREAS CAN BE CLASS IV-A COMPACTED TO 95% STANDARD PROCTOR.
- ALL MATERIALS ARE CLASSIFIED IN ACCORDANCE WITH ASTM D 2321-LATEST EDITION.
- ALL MATERIALS SHALL BE INSTALLED IN MAXIMUM 8" LOOSE LIFTS IN ACCORDANCE WITH ASTM D 698. CLASS III AND IV-A MATERIALS SHALL BE COMPACTED NEAR OPTIMUM MOISTURE CONTENT.
- FILL SALVAGED FROM EXCAVATION SHALL BE FREE OF DEBRIS, ORGANICS AND ROCKS LARGER THAN 3".
- ALL TRENCH EXCAVATIONS SHALL BE SLOPED, SHORED, SHEETED, BRACED, OR OTHERWISE SUPPORTED IN COMPLIANCE WITH OSHA REGULATIONS AND LOCAL ORDINANCES. (SEE SPECIFICATIONS)

**STORM SEWER TRENCH AND BEDDING DETAIL**  
 NTS



**REMOTE GARDEN CENTER UTILITIES BOLLARD DETAIL**

NO.	DATE	REMARKS	BY
REVISIONS			
ENGINEER'S SEAL		<b>ALBUQUERQUE WAL-MART EXPANSION, NM-850-03</b>	DRAWN BY: BDG
		<b>DETAILS</b>	DATE: 12/09/02
			DETAILS1.DWG
		<b>TERRA WEST, L.L.C.</b> 8509 JEFFERSON NE ALBUQUERQUE, NEW MEXICO 87113 (505)858-3100	SHEET # <b>12</b>
RONALD R. BOHANNAN P.E. #7868			JOB # 21075