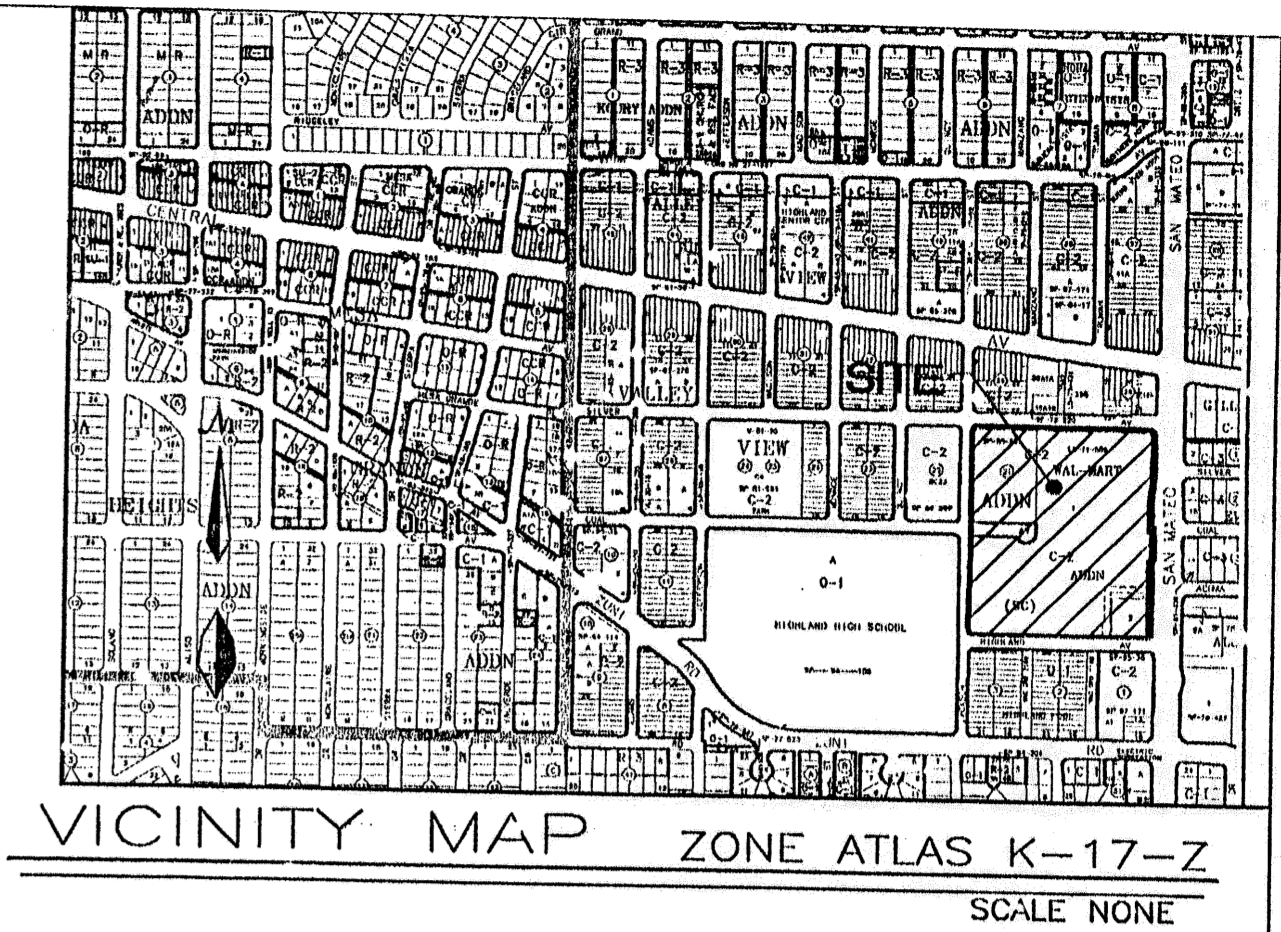


PROPOSED WAL--MART EXPANSION #831-02 SAN MATEO BOULEVARD ALBUQUERQUE BERNALILLO COUNTY, NEW MEXICO



PROJECT CONTACT LIST:

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TELEPHONE COMPANY
QWEST COMMUNICATIONS
201 THIRD ST NW
PO BOX 1355 STATION 700
ABQ., NM 87103-1355
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JOSEPH MARTINEZ

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CITY OF ALBUQUERQUE
DESIGN REVIEW COMMITTEE
P.O. BOX 1293
ABQ., NM 87103
(505) 924-3992
KEVIN BRODRICK

SITWORK NOTES:

1. THE SITWORK FOR THE WAL-MART PORTION OF THIS PROJECT SHALL MEET OR EXCEED THE "WAL-MART STANDARD SITWORK SPECIFICATIONS."
2. 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 SERVICES.

GOVERNMENT PERMIT AGENCIES

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DEVELOPMENT REVIEW BOARD
FOR SITE PLAN AND BUILDING PERMIT
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CITY OF ALBUQUERQUE
HYDROLOGY DRAINAGE APPROVAL
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KEVIN BRODRICK
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(505) 924-3992

INDEX TO DRAWINGS

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

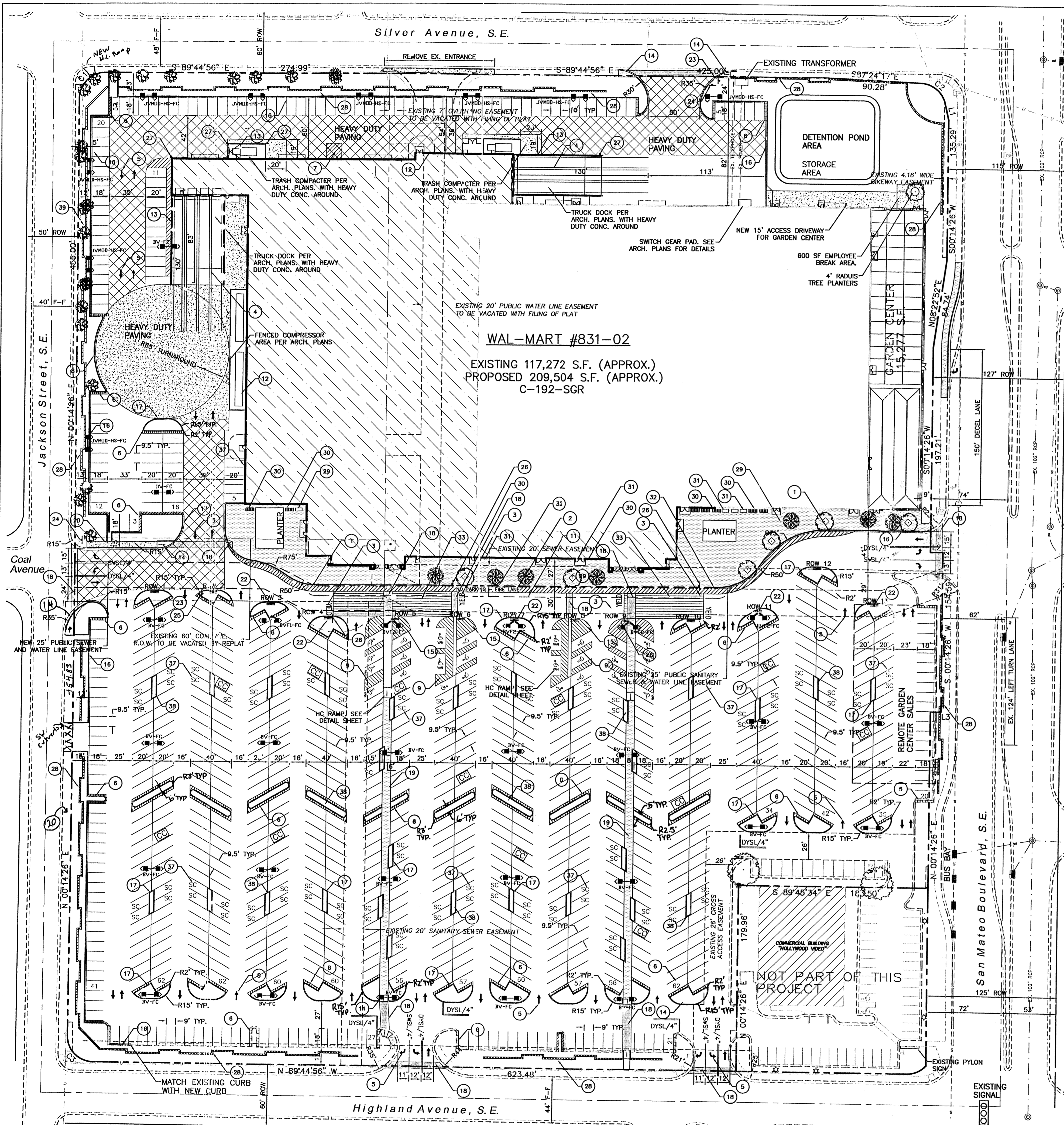
DEVELOPER

WAL-MART EAST, INC.
702 SW 8th STREET
BENTONVILLE, AR 72716
CONTACT: MOHSEN GHADIMKHANI
PHONE: (501) 273-4940

TIERRA WEST, LLC
EXPRESSLY RESERVES THE COMMON LAW COPYRIGHT AND OTHER PROPERTY RIGHTS IN THESE PLANS. THESE PLANS ARE NOT TO BE REPRODUCED, CHANGED OR COPIED IN ANY MANNER WHATSOEVER, NOR ARE THEY TO BE ASSIGNED TO ANY THIRD PARTY WITHOUT OBTAINING THE EXPRESS WRITTEN PERMISSION AND CONSENT OF TIERRA WEST DEVELOPMENT MANAGEMENT SERVICES.

NO.	DATE	REMARKS	BY

	ALBUQUERQUE WAL-MART EXPANSION, NM: 831-02	<small>DRAWN BY</small> BDG <small>DATE</small> 03/07/02 <small>2083COV1.DWG</small>
		<small>SHEET #</small> <small>JOB #</small> 200083
<small>TIERRA WEST, LLC</small> <small>8509 JEFFERSON NE</small> <small>ALBUQUERQUE, NEW MEXICO 87113</small> <small>(505) 858-3100</small>		<small>RONALD R. BOHANNAN</small> <small>P.E. #7868</small>



WAL-MART #831-02
 EXISTING 117,272 S.F. (APPROX.)
 PROPOSED 209,504 S.F. (APPROX.)
 C-192-SGR

SITE PLAN NOTES

- DIMENSIONS SHOWN ARE TO FACE OF CURB UNLESS NOTED OTHERWISE.
- EXISTING SPEED BUMPS TO REMAIN AND TO BE REPAINTED TRAFFIC YELLOW.
- EIGHT EXISTING CART CORRALS TO REMAIN AND TO BE REPAINTED TRAFFIC YELLOW. CONTRACTOR TO INSTALL FIVE NEW CART CORRALS PER PLANS.
- ALL EXISTING LIGHT FIXTURES ARE TO BE REMOVED AND REPLACED WITH NEW 1000 WATT FIXTURE PER WAL-MART SPECIFICATIONS, UNLESS OTHERWISE NOTED.
- NEW AND REPLACEMENT LIGHTING SHALL BE FULL CUT OFF FIXTURES (i.e. SHOE BOX) TO MINIMIZE FUGITIVE LIGHT.
- 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.
- LIGHT POLES SHALL BE A MAXIMUM OF 30' FEET WITH FULL CUT OFF LIGHT FIXTURES. LIGHT FIXTURES SHALL BE A MAXIMUM OF 30' WITH FULL CUT OFF SHIELDS ON FIXTURES SO THAT NO FUGITIVE LIGHT SHALL ESCAPE BEYOND THE PROPERTY LINE. THE LIGHT FIXTURES SHALL BE FULLY SHIELDED WITH HORIZONTAL LAMPS.
- THERE SHALL BE NO BACKLIT, PLASTIC, OR VINYL AWNINGS OR ILLUMINATED PLASTIC BANDING ON SIGNAGE.
- INDOOR OR SECURED (FENCED AND GATED) BICYCLE STORAGE SHALL BE PROVIDED FOR EMPLOYEES OF THE BUSINESS.
- BUILDING SETBACKS ARE PER APPROVED SITE PLAN WITH THE CITY OF ALBUQUERQUE
- EXISTING BUS ROUTE IS ON SAN MATEO BOULEVARD AND NOT ON SITE.
- ROOF EQUIPMENT SHALL BE BELOW PARAPET HEIGHT AND SCREENED FROM VIEW FROM NEARBY PROPERTIES. ALL GROUND MOUNTED EQUIPMENT SHALL BE SCREENED BY SCREEN WALLS WITH TOP OF EQUIPMENT BELOW TOP OF SCREEN WALL.
- COAL AVENUE IS TO BE VACATED UPON APPROVAL BY THE CITY OF ALBUQUERQUE AND REPLACED INTO ONE LOT.
- EMPLOYEE LOCKERS AND SHOWERS FOR BICYCLE COMMUTERS SHALL BE PROVIDED AS FOLLOWS:
 A. 37 CUSTOMER BICYCLE SPACES
 B. 14 SECURE EMPLOYEE BICYCLE LOCKER SPACES
 C. 14 EMPLOYEE LOCKERS
 D. ONE SHOWER
- 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.
- SETBACK ARE ESTABLISHED AT EPC APPROVAL.
- PUBLIC PEDESTRIAN ACCESS EASEMENTS SHALL BE GRANTED FOR ALL HANDICAP RAMPS ENCROACHMENTS

SITE DATA

PROPOSED USAGE:	EXISTING WAL-MART	PROPOSED EXPANSION
LOT AREA:	598,125 SF (17.7311 ACRES)	766,948 SF (17.6067 ACRE)
BUILDING AREA:	117,272 SF	117,272 SF
EXPANSION:	-	92,232 SF
TOTAL:	-	209,504 SF w/GARDEN CENTER
LANDSCAPING PROVIDED:	69,731 SF	82,347 SF
REQUIRED:	818 SPACES	83,491 SF
PARKING PROVIDED:	666 SPACES	953 SPACES
REQUIRED:	666 SPACES	1048 SPACES
LESS 10% BUS CREDIT	-	943 SPACES
PARKING RATIO:	6.98	4.55
PARKING RATIO: WITHOUT GARDEN CENTER	-	4.91
HC PARKING PROVIDED:	18 SPACES	18 SPACES (6 VAN)
HC PARKING REQUIRED:	12 SPACES	12 SPACES
	6 SPACES VAN ACCESSIBLE	6 SPACES VAN ACCESSIBLE
BIKE SPACES PROVIDED:	-	54 SPACES
BIKE SPACES REQUIRED:	-	51 SPACES

PROJECT NUMBER: 1001525

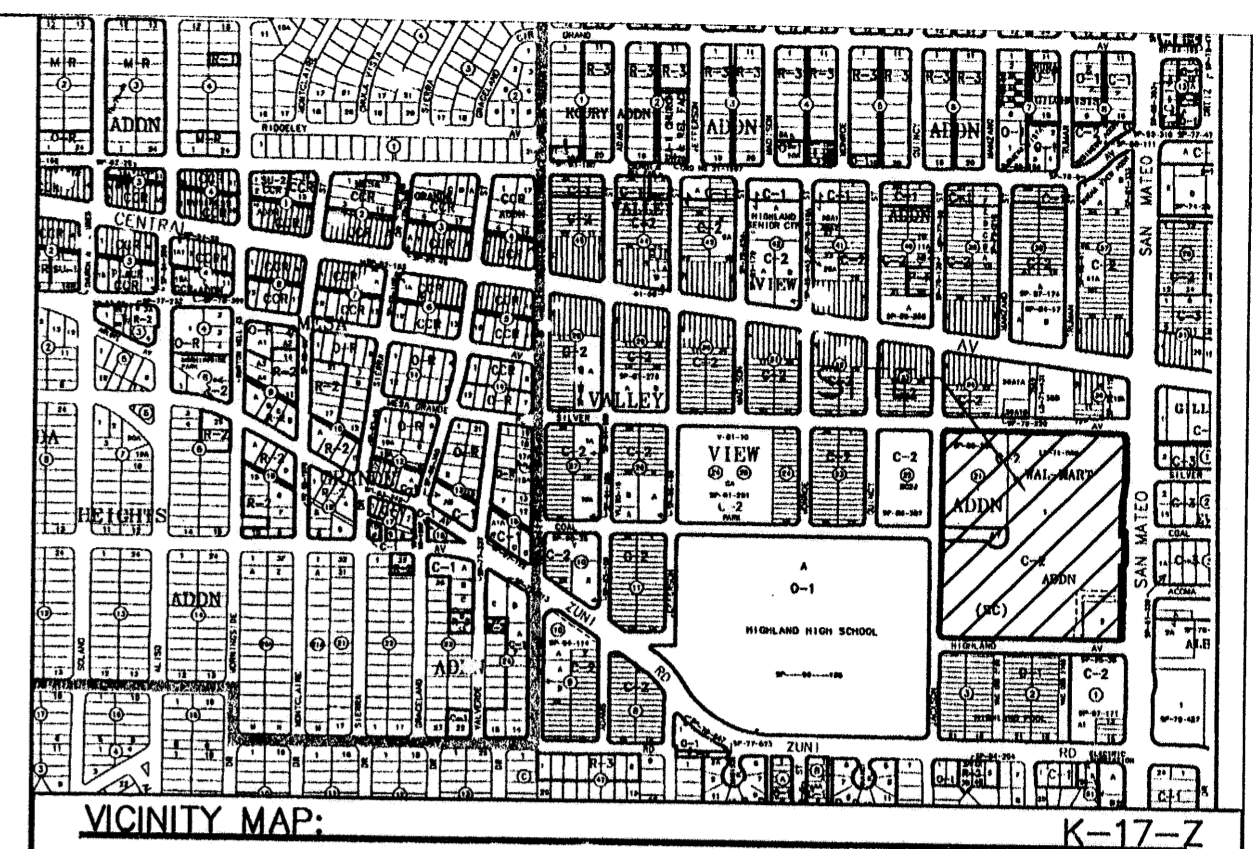
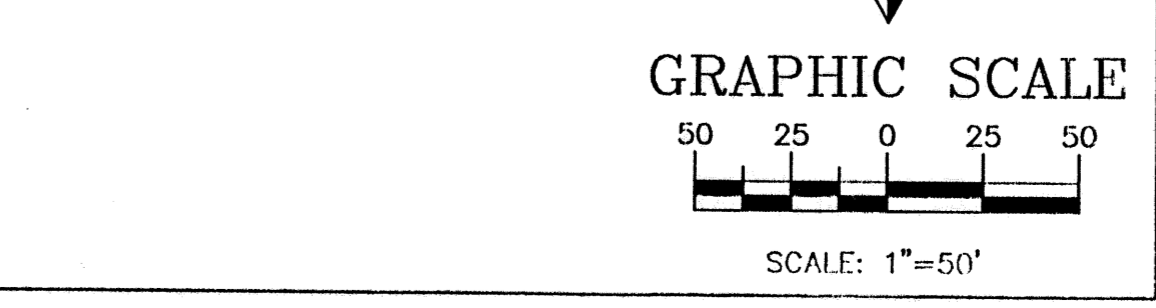
This plan is consistent with the specific site development plan approval by the Environmental Planning Commission (EPC) on 03/19/02 and that the findings and conditions in the Official Notice, Notification of Decision have been complied with:

SITE DEVELOPMENT PLAN

Traffic Engineer, Transportation Division	4/25/02
William E. Boudreau	Date
Parks & General Services Department	3/20/02
Public Works, Water Utilities Division	5/1/02
Bradley A. Bingham	Date
City Engineer, Engineering Division / AMAFCA	3/20/02
Solid Waste	Date
APPROVAL AND CONDITIONAL ACCEPTANCE: as specified by the Development Process Manual.	5/16/02
City Planner, Albuquerque / Bernhilde	Date
County Planning Division	
PLN2 (10706) 4/96	

LEGEND

- EXISTING CURB & GUTTER
- BOUNDARY LINE
- EASEMENT
- PROPOSED EASEMENT
- PROPOSED SCREEN WALL
- PROPOSED SCREEN WALL
- PROPOSED SIDEWALK
- STANDARD ASPHALT PAVING AREA
- HEAVY ASPHALT PAVING AREA
- HEAVY CONCRETE AREA
- PATTERN CONCRETE AREA
- PROPOSED PARKING LOT LIGHTING
- PROPOSED BOLLARD
- PROPOSED PEDESTRIAN CROSSWALK
- PROPOSED CART CORRALS
- ASSOCIATE PARKING AREA
- BIKE RACK
- BIKE LOCKER



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

SITE LEGEND

- 6" WIDE FIRE LANE WITH 6" WIDE PAINTED TRAFFIC RED STRIPING AT 45° TYPICAL CURB TO BE PAINTED TRAFFIC RED AT THESE LOCATIONS. (SHT 7 OF 10)
- "NO PARKING-FIRE LANE" PAINTED TRAFFIC YELLOW ON PAVEMENT AT 80' O.C. LETTERS TO BE A MINIMUM 2'-0" TALL. (SHT 7 OF 10)
- "YIELD" PAINTED YELLOW ON PAVEMENT TYPICAL. (SHT 6 OF 10)
- PROVIDE (2) 4" WIDE YELLOW STRIPES @ 10' O.C. x 130' LONG CENTER ON DOCK DOORS
- PAINTED DIRECTIONAL ARROW TYPICAL. (SHT 6 OF 10)
- 2'-0" LOADING ZONE AT ALL CURBED PARKING SPACES. 4" PAINTED YELLOW STRIPING AT 2'-0" O.C. PERPENDICULAR TO PARKING SPACE.
- 10' x 15' STRIPED AREA PAINTED SYS/4" AT 45° @ 2'-0" O.C. AT JOB CRANE LOCATION. SEE ARCH. PLANS
- 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. (SHT 7 OF 10)
- ACCESSIBLE PARKING SPACE TYPICAL. SEE DETAIL SHEET FOR ACCESSIBLE PARKING SPACE SIZE, SIGN AND SYMBOL ("VAN"-INDICATES VAN ACCESSIBLE SPACE). (SHT 6 OF 10)
- RAMPED PAVEMENT AT VESTIBULE TO BE FLUSH WITH TOP OF SIDEWALK AT 5.0% MAX. SLOPE. REFER TO ARCHITECTURAL PLANS.
- EXIT PORCH. SEE ARCHITECTURAL PLAN FOR EXACT SIZE, LOCATION FOR STOODS, STAIRS AND/OR RAMPS THAT MAY BE REQUIRED. RAMP FLUSH W/ TOP OF STOOD.
- 16'x118' COMPRESSOR CONCRETE COMPACTOR PAD. REFER TO ARCHITECTURAL PLAN FOR EXACT LOCATION AND SLOPE.
- SCREEN WALL PER ARCH. PLANS
- UNIDIRECTIONAL HC RAMP. (SHT 8 OF 10)
- PAINTED ISLAND TYPICAL UNLESS NOTED OTHERWISE. STRIPES SHALL BE PAINTED SYS/4" AT 2'-0" O.C. PERPENDICULAR TO THE PARKING SPACE.
- 6" CONCRETE CURB AND GUTTER TYPICAL.
- 6" CONCRETE HEADER CURB TYPICAL. (SHT 6 OF 10)
- 6" WIDE SLIGHTLY RAISED CONCRETE PEDESTRIAN CROSSWALK. PAINTED WHITE (SHT 6)
- NO RAISED CROSSWALKS ARE ALLOWED AT STREET ENTRANCES.
- 8" WIDE RAISED CONCRETE SIDEWALK TYPICAL. (SHT 6 OF 10)
- 6" CONCRETE SIDEWALK TYPICAL.
- aisle indicator signs typical (SHT 6 OF 10)
- "TRUCK ROUTE" SIGN. SEE PLAN FOR LOCATION.
- "STOP" SIGN. SEE PLAN FOR LOCATION. (24" WHITE STOP BAR TO BE BUILT AT ALL STOP SIGN LOCATIONS.
- "NO TRUCKS" SIGN. SEE PLAN FOR LOCATION.
- PEDESTRIAN CROSSING SIGN W10-2 and W10-2p TYPICAL AT PEDESTRIAN CROSSWALKS AS NOTED ON PLANS.
- 6" DIA. PIPE BOLLARD TYPICAL. (SHT 8 OF 10)
- 3' HIGH SCREEN WALL. (SHT 6 OF 10)
- 5'x5' TREE PLANTER SEE SHEET 7 FOR DETAILS
- (8) 5 SPACE BIKE RACK TYPICAL. (SHT 8 OF 10)
- BIKE LOCKERS (7 UNITS, 14 TOTAL LOCKERS SPACES). (SHT 6 OF 10)
- ZERO CURB PER ARCH. SECTIONS
- 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.
- PROPOSED LIGHTING.
- CART CORRALS TYPICAL (SHT 8 OF 10)
- PROPOSED HC RAMP. (SHT 8 OF 10)
- SMALL CAR MARKER, "COMPACT" PAINTED YELLOW ON PAVEMENT TYPICAL.
- TREE PLANTER TYPICAL (SHT 7 OF 10)
- RETAINING WALL TYPICAL. (SHT 7 OF 10)

PAINT STRIPING LEGEND

SWSL/4" - SINGLE WHITE SOLID LINE / 4" WIDE
 SYS/4" - SINGLE YELLOW SOLID LINE / 4" WIDE EACH
 DYS/4" - DOUBLE YELLOW SOLID LINE / 4" WIDE EACH
 SYS/10" - SINGLE YELLOW SOLID LINE / 10" WIDE
 SWDK/4" - SINGLE WHITE DASHED LINE / 4" WIDE
 SWSL/24" - SINGLE WHITE SOLID LINE / 24" WIDE

CURVE TABLE

CURVE	LENGTH	RADIUS	TANGENT	DELTA	CHORD BEARING	CHORD LENGTH
C1	39.27	25.00	25.00	90°00'38"	S45°14'45"W	35.36
C2	32.65	25.00	18.12	74°49'42"	N49°59'28"W	30.38
C3	39.27	25.00	25.00	90°00'01"	S14°44'56"E	35.36

ENGINEER'S SEAL

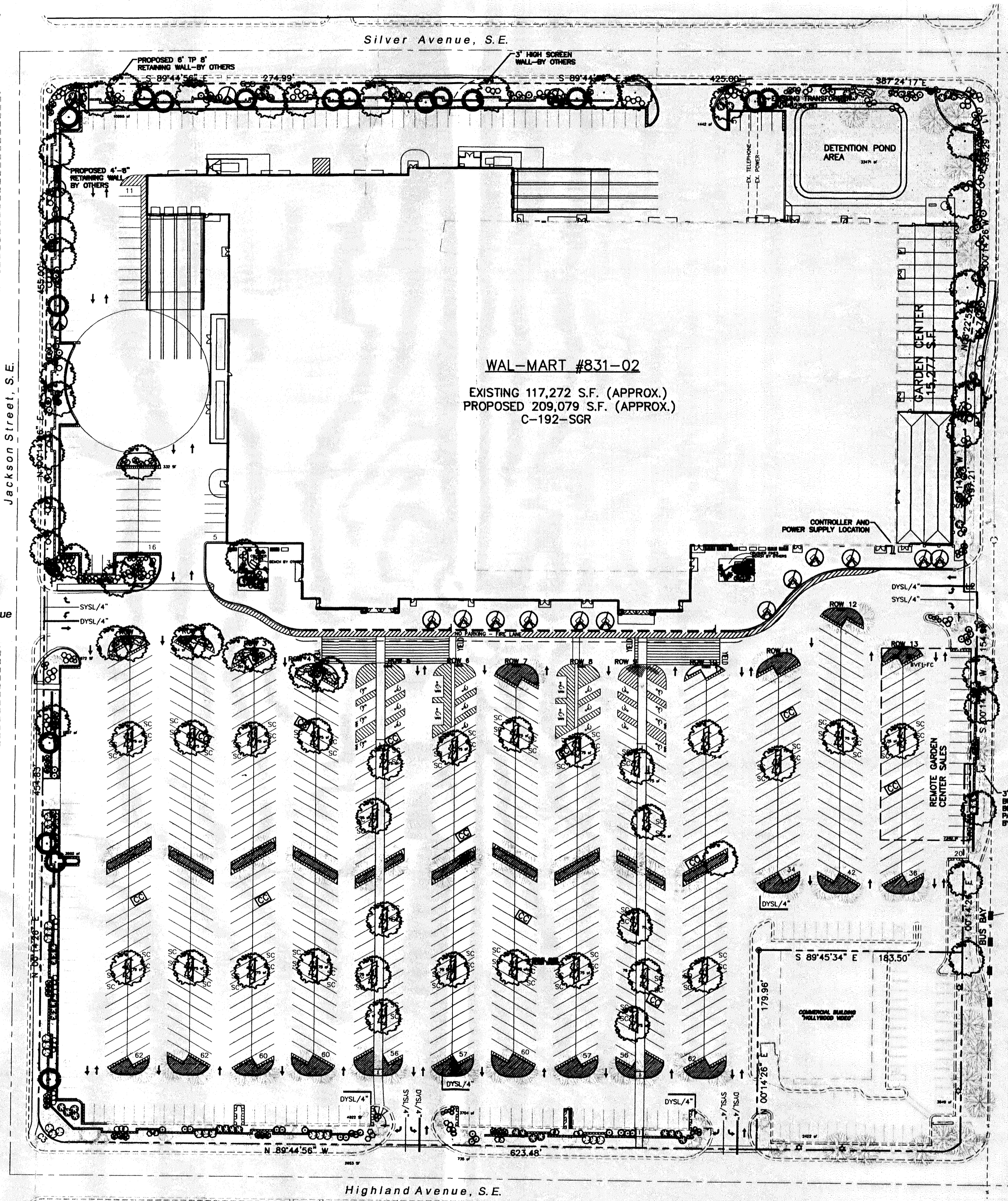
ALBUQUERQUE WAL-MART EXPANSION, NM: 831-02

SITE PLAN FOR BUILDING PERMIT

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

RONALD R. BOHANNAN
 P.E. #7968

DRAWN BY BDG
DATE 03/19/02
2083SPBb.DWG
SHEET # 1
JOB # 99.029



GENERAL NOTES:

1. ALL PLANTS MUST BE HEALTHY, VIGOROUS MATERIAL, FREE OF PESTS AND DISEASE.
2. ALL PLANTS MUST BE CONTAINER GROWN OR BALLED AND BUR LAPPED AS INDICATED IN THE PLANT LIST.
3. ALL TREES MUST BE STRAIGHT TRUNKED AND FULL HEADED AND MEET ALL REQUIREMENTS SPECIFIED.
4. ALL PLANTS ARE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT BEFORE, DURING, AND AFTER INSTALLATION.
5. ALL TREES MUST BE GUYED OR STAKED AS SHOWN IN THE DETAILS.
6. ALL PLANTING AREAS MUST BE COMPLETELY MULCHED AS SPECIFIED.
7. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES AND SHALL AVOID DAMAGE TO ALL UTILITIES AND SHALL AVOID DAMAGE TO ALL UTILITIES DURING THE COURSE OF THE WORK. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY AND ALL DAMAGE TO UTILITIES, STRUCTURES, SITE APPURTENANCES, ETC. WHICH OCCURS AS A RESULT OF THE LANDSCAPE CONSTRUCTION.
8. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES SHOWN ON THESE PLANS BEFORE PRICING THE WORK.
9. THE CONTRACTOR IS RESPONSIBLE FOR FULLY MAINTAINING ALL PLANTING (INCLUDING BUT NOT LIMITED TO: WATERING, SPRAYING, MULCHING, FERTILIZING, ETC.) OF THE PLANTING AREAS AND LAWN UNTIL THE WORK IS ACCEPTED IN TOTAL BY THE OWNER.
10. THE CONTRACTOR SHALL COMPLETELY GUARANTEE ALL PLANT MATERIAL FOR A PERIOD OF ONE (1) YEAR BEGINNING ON THE DATE OF TOTAL ACCEPTANCE. THE CONTRACTOR SHALL PROMPTLY MAKE ALL REPLACEMENTS BEFORE OR AT THE END OF THE GUARANTEE PERIOD.
11. THE ARCHITECT SHALL APPROVE THE STAKING LOCATION OF ALL PLANT MATERIAL PRIOR TO INSTALLATION.
12. AFTER BEING DUG AT THE NURSERY SOURCE, ALL TREES IN LEAF SHALL BE ACCLIMATED FOR TWO (2) WEEKS UNDER A MIST SYSTEM PRIOR TO INSTALLATION.
13. ANY PLANT MATERIAL WHICH DIES, TURNS BROWN, OR DEFOOLIATES (PRIOR TO TOTAL ACCEPTANCE OF THE WORK) SHALL BE PROMPTLY REMOVED FROM THE SITE AND REPLACED WITH MATERIAL OF THE SAME SPECIES, QUANTITY, AND SIZE AND MEETING ALL PLANT LIST SPECIFICATIONS.
14. STANDARDS SET FORTH IN "AMERICAN STANDARD FOR NURSERY STOCK" REPRESENT GUIDELINE SPECIFICATIONS ONLY AND SHALL CONSTITUTE MINIMUM QUALITY REQUIREMENTS FOR PLANT MATERIAL.
15. ALL SHRUB, GROUND COVER AND SEASONAL COLOR ANNUAL PLANTING BEDS ARE TO BE COMPLETELY COVERED WITH HARDWOOD MULCH TO A MINIMUM DEPTH OF FOUR INCHES.
16. LOCATIONS OF EXISTING BURIED UTILITY LINES SHOWN ON THE PLANS ARE BASED UPON BEST AVAILABLE INFORMATION AND ARE TO BE CONSIDERED APPROXIMATE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE LOCATIONS OF UTILITY LINES AND ADJACENT TO THE WORK AREA. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL UTILITY LINES DURING THE CONSTRUCTION PERIOD.
17. SAFE, CLEARLY MARKED PEDESTRIAN AND VEHICULAR ACCESS TO ALL ADJACENT PROPERTIES MUST BE MAINTAINED THROUGHOUT THE CONSTRUCTION PROCESS.
18. DURING THE GROWING SEASON ALL ANNUALS SHALL REMAIN IN A HEALTHY, VITAL CONDITION THROUGHOUT THE CONSTRUCTION PERIOD.
19. ALL PLANT MATERIALS QUANTITIES SHOWN ARE APPROXIMATE. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETE COVERAGE OF ALL PLANTING BEDS AT SPACING SHOWN.
20. ALL DISTURBED AREAS ARE TO RECEIVE 4" OF TOP SOIL BY GRADING CONTRACTOR, MULCH, AND WATER UNTIL A HEALTHY STAND OF GRASS IS OBTAINED. THIS IS EXCLUDING ALL LANDSCAPED ISLANDS AND ENTRANCE AREAS.
21. REFER TO WALMART SPECIFICATIONS FOR ALL INFORMATION NEEDED FOR IMPLEMENTATION OF PLANTING PLANS.

STREET TREE REQUIREMENTS

Street trees required under the City Of Albuquerque Street Tree Ordinance are as follows:

Name of Street SAN MATEO
Required #30 Provided # 32

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.

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.

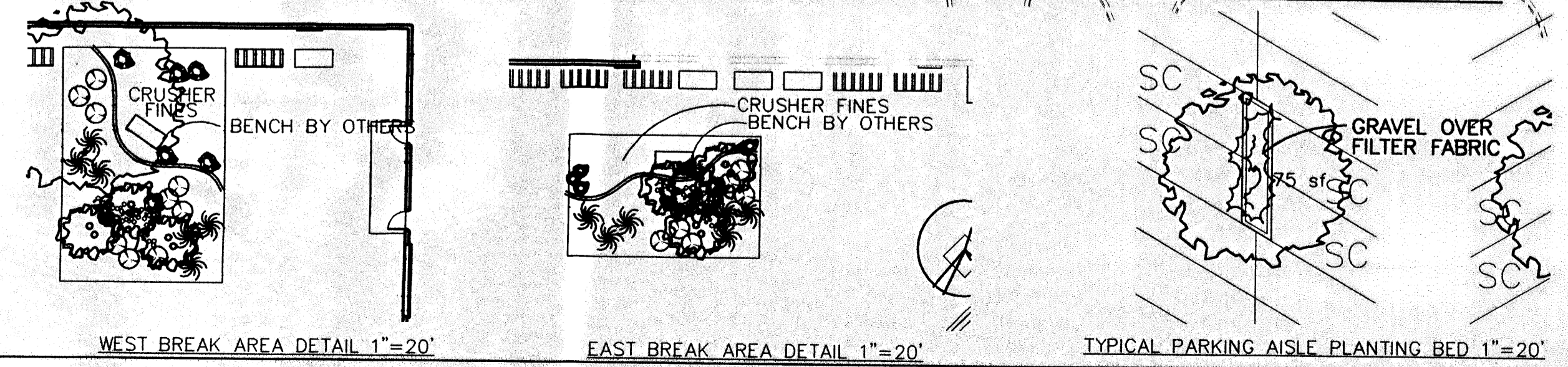
Plant beds shall achieve 75% live ground cover at maturity.

PLANT LEGEND

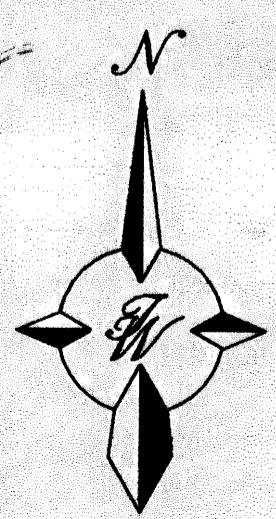
- EXISTING HONEY LOCUST
- EXISTING ORNAMENTAL PEAR
- EXISTING CHITALPA
- EXISTING PURPLE LEAF PLUM
- EXISTING EVERGREEN TREE
- EXISTING LANDSCAPING
- ASH (H) OR HONEY LOCUST (H) 74
Fraxinus pennsylvanica
Gleditsia triacanthos
2" Cal.
- AUSTRIAN PINE (H) 17
Pinus nigra
6"-8"
- FLOWERING PEAR (H) 22
Pyrus spp.
1 1/2" Cal.
- WASHINGTON HAWTHORN (H) 6
Crotogeomys phoenopyrum
15 Gal.
- INDIAN HAWTHORN (M) 76
Raphiolepis indica
5 Gal.
- RUSSIAN SAGE (M) 75
Perovskia atriplicifolia
5 Gal.
- APACHE PLUME (L) 80
Fallugia paradoxa
5 Gal.
- MAIDEN GRASS (M) 12
Miscanthus sinensis
5 Gal. 16sf
- AUTUMN SAGE (M) 125
Salvia greggii
2 Gal.
- CHAMISA (L) 55
Chrysothamnus nauseosus
1 Gal.
- WILDFLOWER 90
1 Gal. 4sf
- TAM JUNIPER (M) 117
Juniperus sabinia
5 Gal.
- GRAVEL TO MATCH EXISTING WITH FILTER FABRIC 85,124 sf
- OVERSIZED GRAVEL & BOULDERS 15
- COMMERCIAL GRADE STEEL EDGE

LANDSCAPE CALCULATIONS

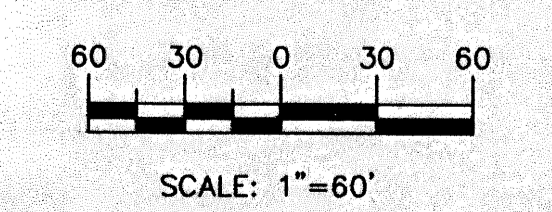
NET LANDSCAPE AREA	
TOTAL LOT AREA	767,993 square feet
TOTAL EXISTING BUILDINGS AREA	117,272 square feet
TOTAL PROPOSED BUILDINGS AREA	92,232 square feet
OFFSITE AREA	0 square feet
NET LOT AREA	558,489 square feet
LANDSCAPE REQUIREMENT	15%
TOTAL LANDSCAPE REQUIREMENT	83,773 square feet
TOTAL LANDSCAPE PROVIDED	95,408 square feet
TOTAL EXISTING LS PROVIDED	10,284 square feet
TOTAL NEW LS PROPOSED	85,124 square feet



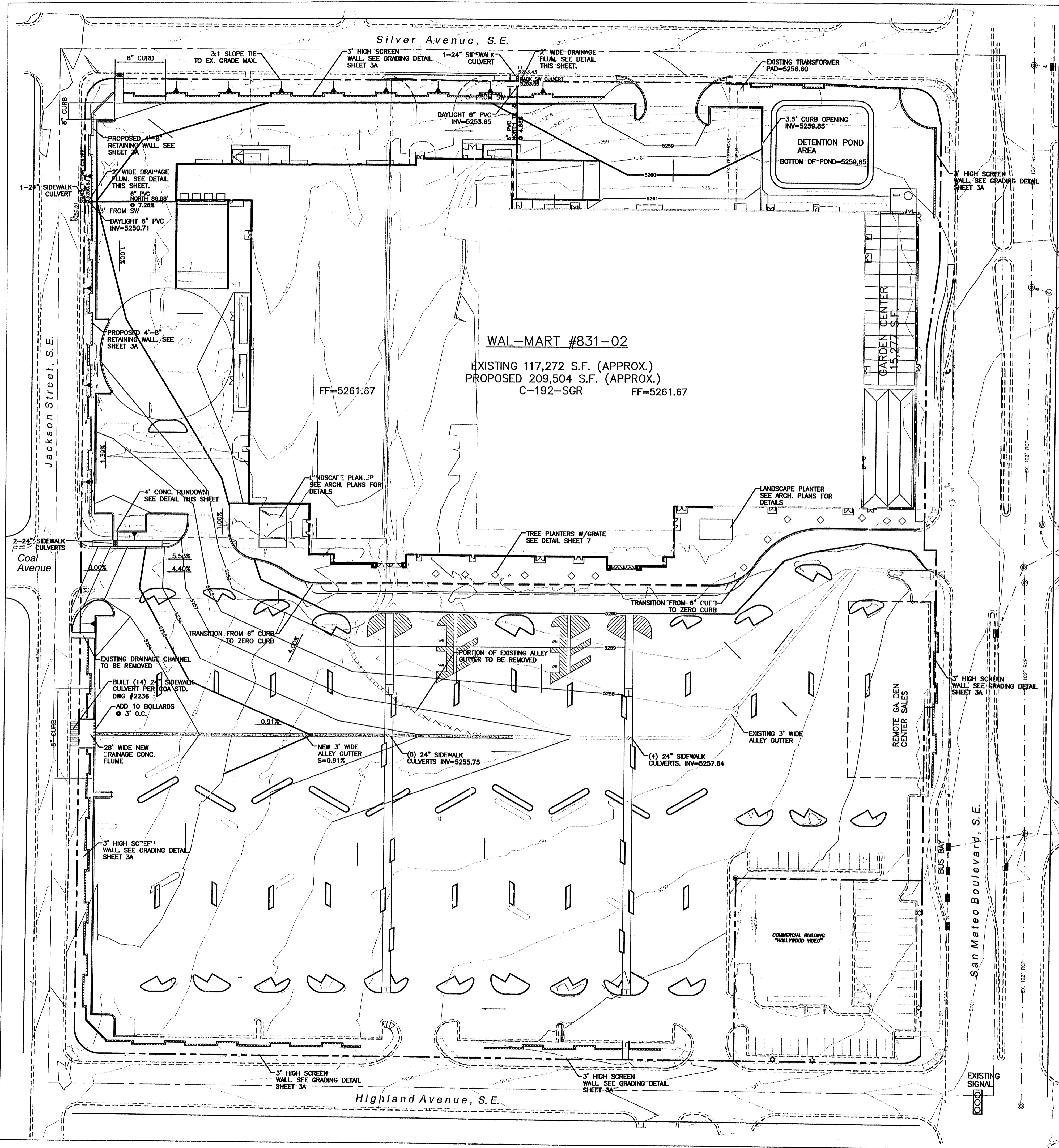
The Hilltop
LANDSCAPE ARCHITECTS & CONTRACTORS
Cont. Lic. #26458
7909 Edith N.E.
Albuquerque, NM 87184
Ph. (505) 898-9690
Fax (505) 898-7737
it@hilltoplandscaping.com



GRAPHIC SCALE



LANDSCAPE ARCHITECT'S SEAL	ALBUQUERQUE WAL-MART EXPANSION, NM: 831-02	DRAWN BY BDG
	LANDSCAPE PLAN	DATE 05/15/02
		2083LP.DWG
		SHEET # 32
	TERRA WEST, LLC 8509 JEFFERSON NE ALBUQUERQUE, NEW MEXICO 87113 (505)858-3100	
JAMES DEFLON #0007		



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., 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 CONTRACTORS 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 3:1 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)

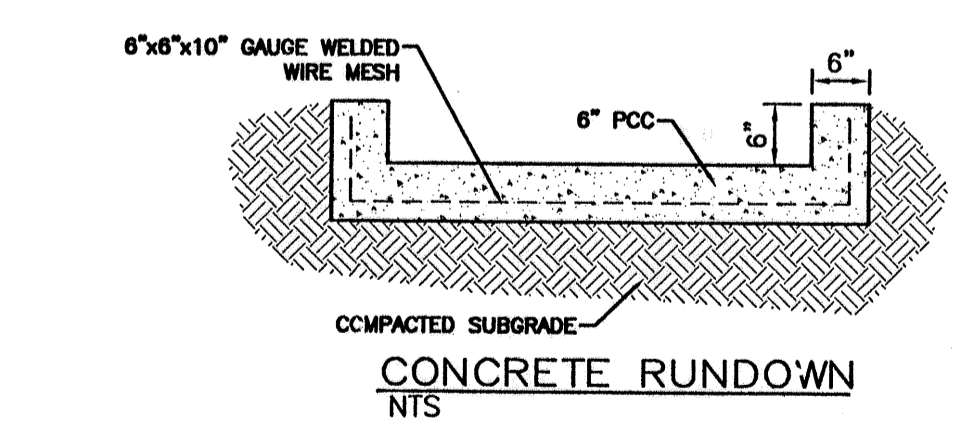
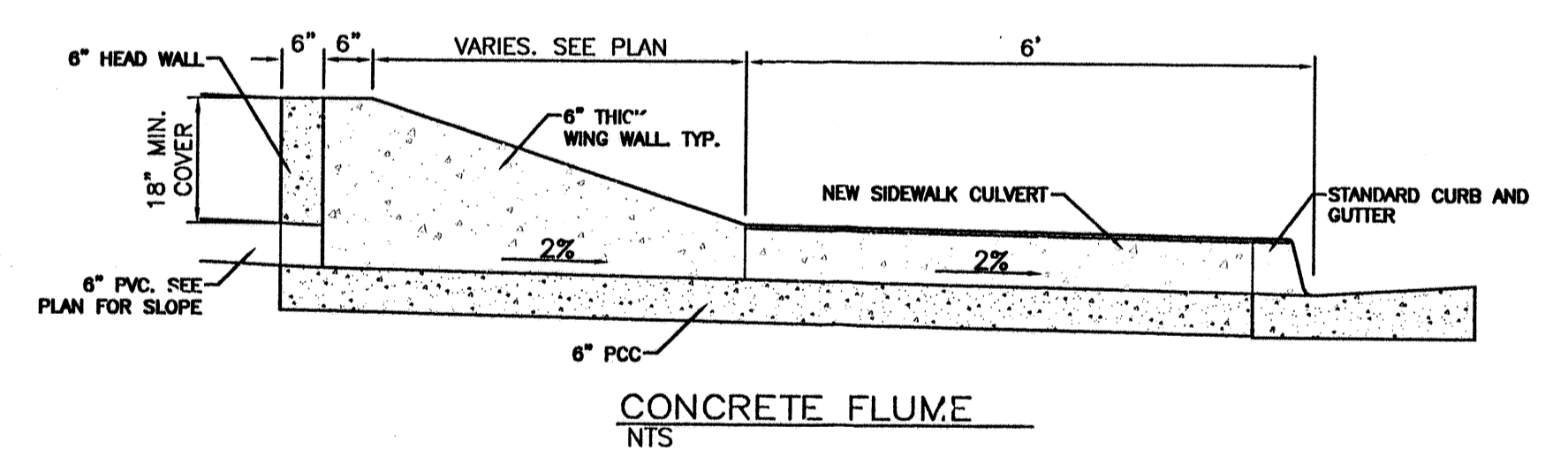


VICINITY MAP: K-21-Z

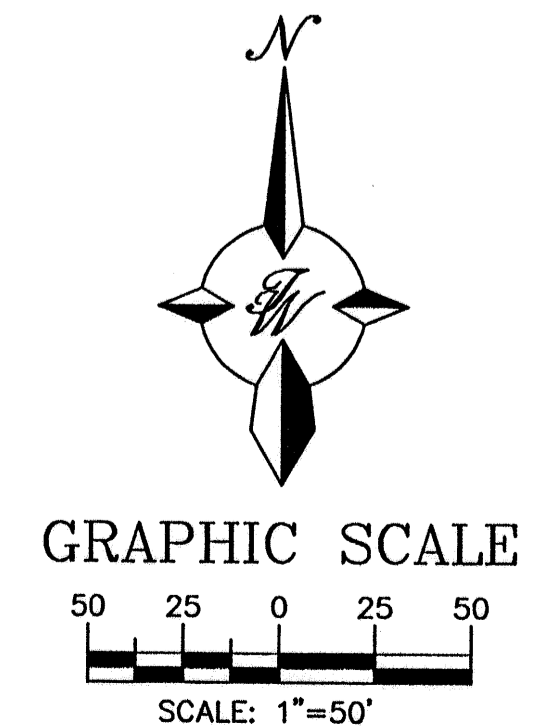
FIRM MAP: 35001C0358_D AND 35001C0359

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

BENCHMARK:
 A.C.S. MONUMENT "5-K18A" 2" BRASS TABLET (FOUND IN PLACE) NEW MEXICO STATE PLANE COORDINATES CENTRAL ZONE-N.A.D. 1927
 X=401,022.37
 Y=1,483,557.05
 EL=5277.510
 G-G=0.99965880
 DELTA ALPHA ANGLE=-0°11'24"

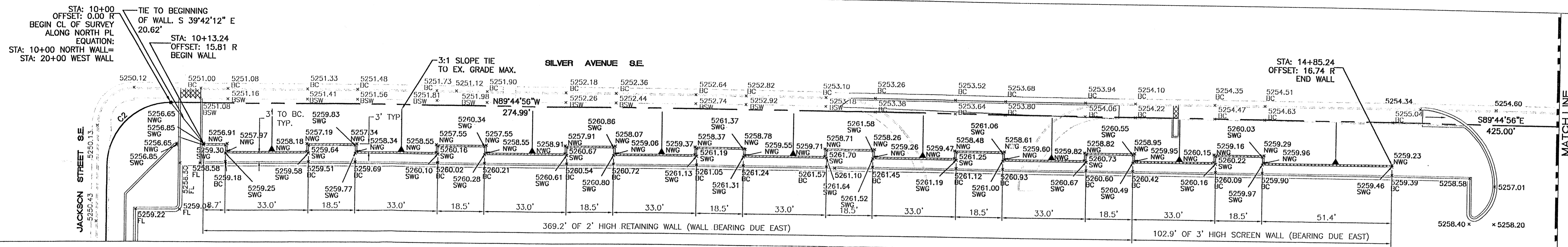


- LEGEND**
- EXISTING CURB
 - FUTURE IMPROVEMENTS
 - EXISTING BUILDING
 - PROPOSED EXPANSION
 - PROPOSED CURB
 - BOUNDARY LINE
 - GRADE CHANGE
 - PROPOSED GRADE ELEVATION
 - EXISTING GRADE ELEVATION

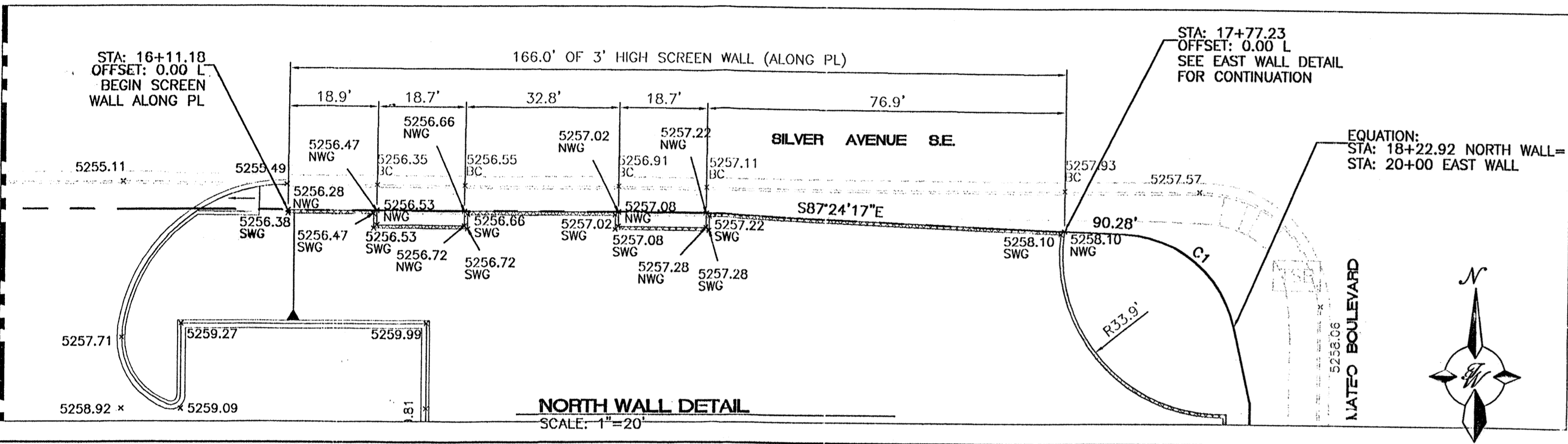
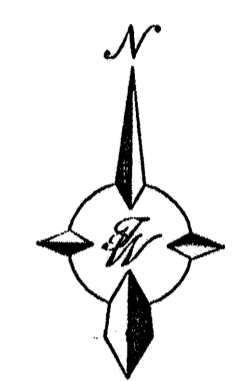


	ALBUQUERQUE WAL-MART EXPANSION, NM: 831-02	DRAWN BY BDC
	GRADING AND DRAINAGE PLAN	DATE 03/19/02
		2083GR16.DWG
		SHEET #
		3
		JOB # 200083

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

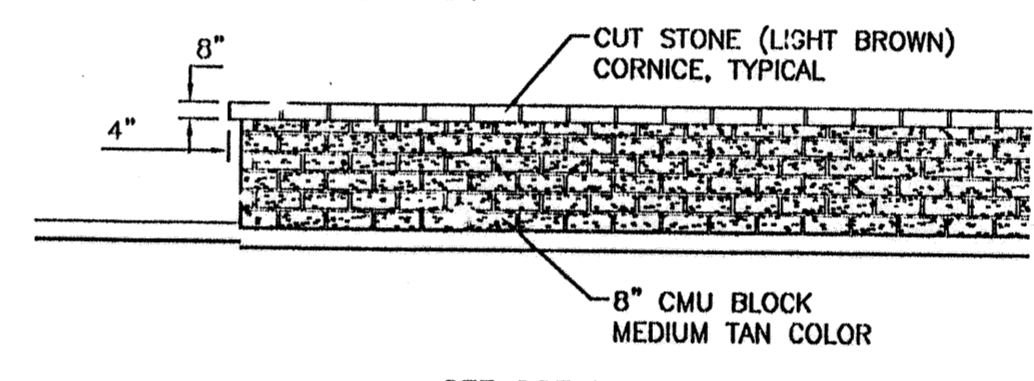


NORTH WALL DETAIL
SCALE: 1"=20'

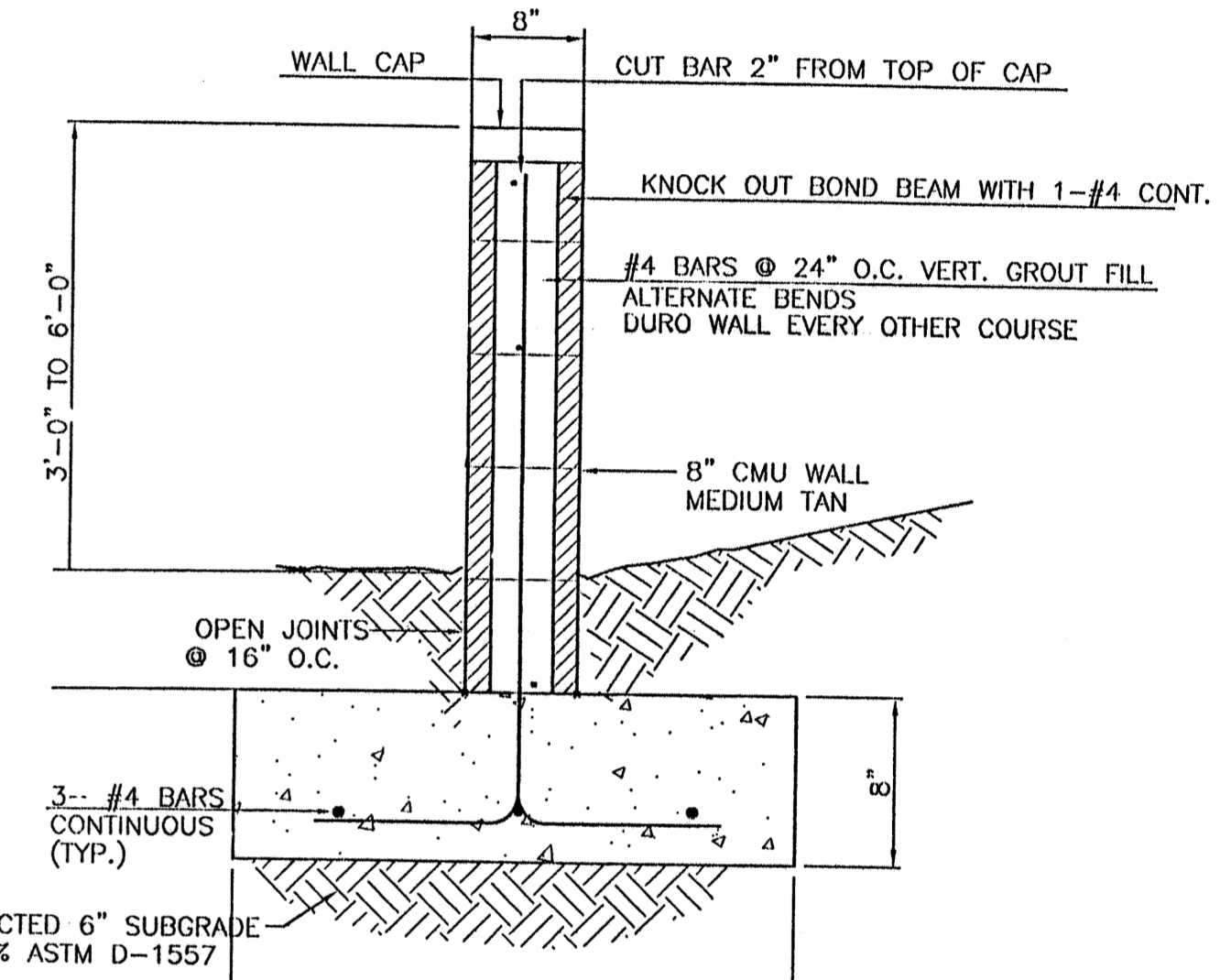


NORTH WALL DETAIL
SCALE: 1"=20'

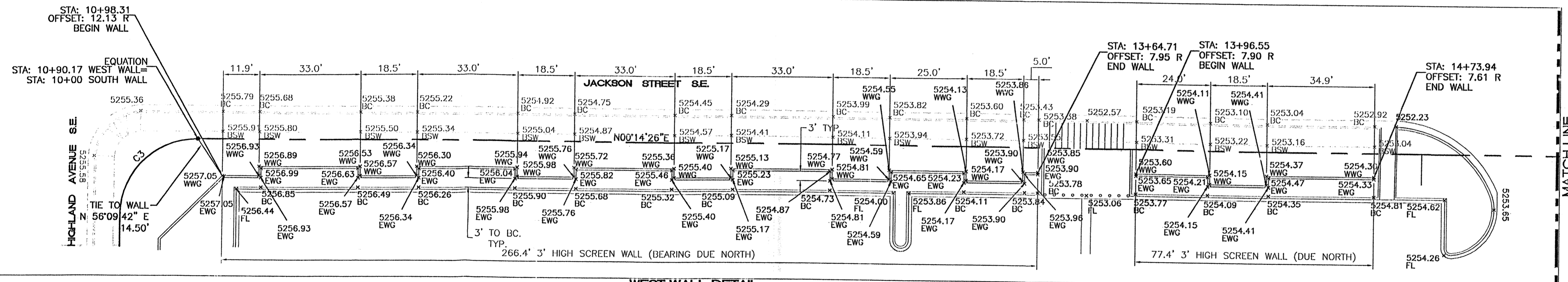
- GENERAL NOTES:**
1. ALL CONCRETE IS TO BE 3000 PSI @ 28 DAYS.
 2. MINIMUM COMPACTION UNDER FOOTINGS IS TO BE 95% PER ASTM. D 1557 FOR A DEPTH OF 12" MOISTURE CONTENT IS TO BE ± 2.0%.
 3. BACK FILL AGAINST WALLS IS TO BE HAND-PLACED AND COMPACTED.
 4. ALL BARS ARE TO BE GRADE 60, ASTM 615.
 5. TRUSS TYPE DUR-O-WALL EVERY OTHER COURSE. 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.
 6. USE EITHER EXPANSION JOINTS ON 20' CENTERS OR PILASTERS EVERY 16'.



SCREEN WALL DETAIL (TYP.)
NTS



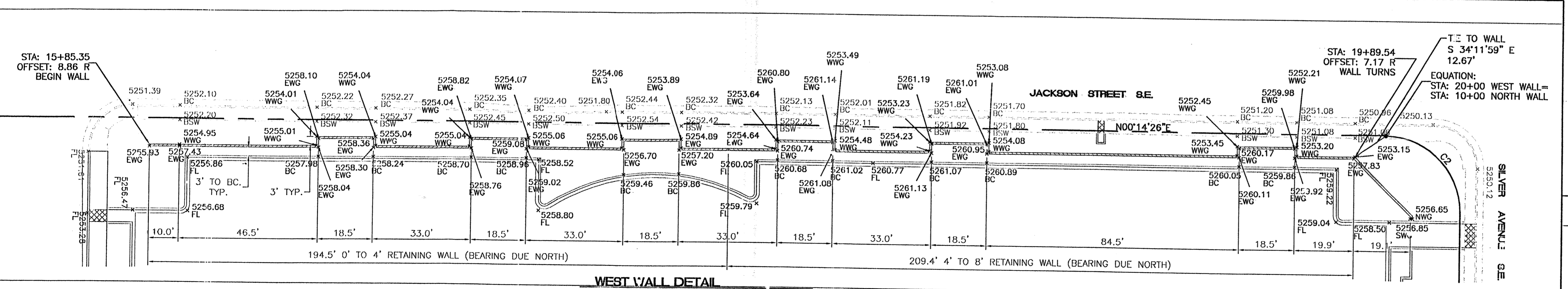
3" SCREEN WALL SECTION
NTS



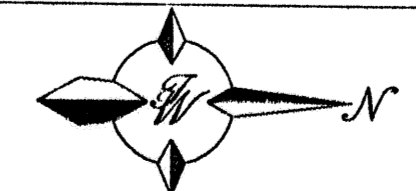
WEST WALL DETAIL
SCALE: 1"=20'



CURVE TABLE						
CURVE	LENGTH	RADIUS	TANGENT	DELTA	CHORD BEARING	CHORD LENGTH
C1	32.65	25.00	19.12	74°49'42"	N49°58'26"W	30.38
C2	39.27	25.00	25.00	90°00'38"	S45°14'45"W	35.36
C3	39.27	25.00	25.00	90°00'01"	S44°44'56"E	35.36



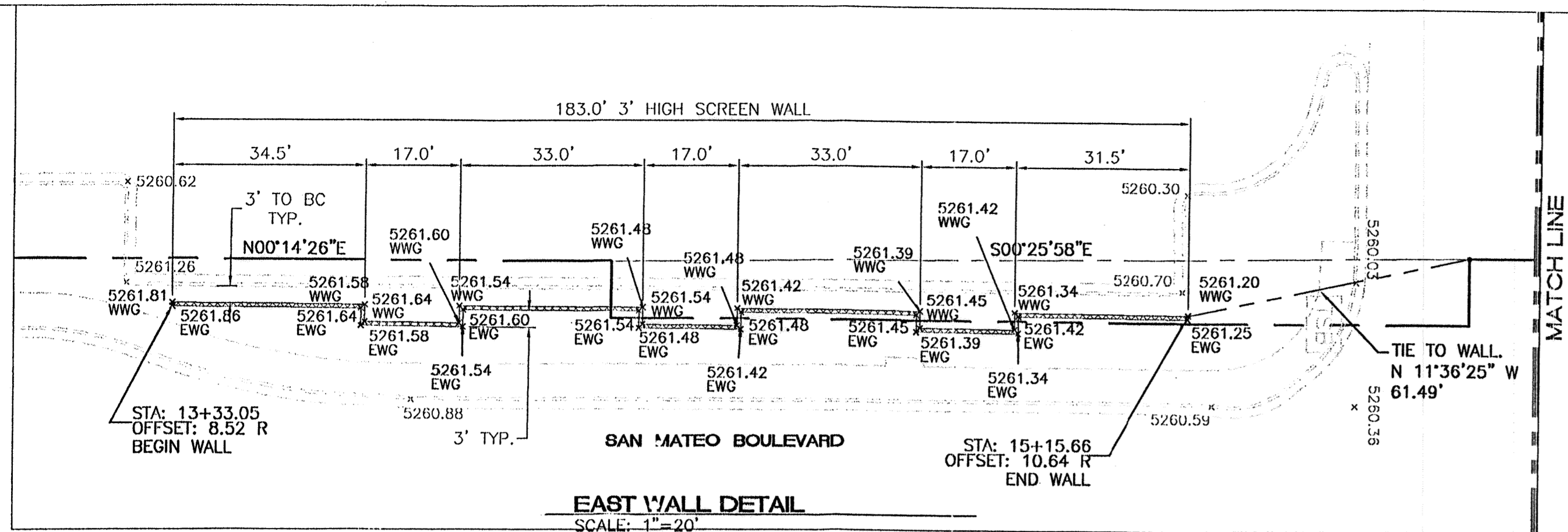
WEST WALL DETAIL
SCALE: 1"=20'



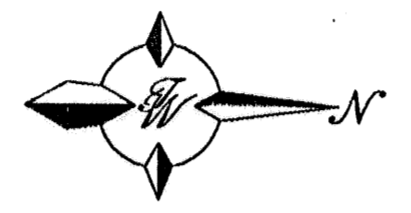
NOTE:
1. SEE SHEET 3B FOR RETAINING WALL DETAILS.

- LEGEND**
- EXISTING CURB
 - PROPOSED CURB
 - BOUNDARY LINE
 - GROUND GRADE AT WEST WALL FACE
 - GROUND GRADE AT EAST WALL FACE
 - GROUND GRADE AT NORTH WALL FACE
 - GROUND GRADE AT SOUTH WALL FACE
 - GROUND GRADE AT BACK OF SIDEWALK
 - GROUND GRADE AT BACK OF CURB

	ALBUQUERQUE WAL-MART EXPANSION, NM: 831-02	DRAWN BY BDC DATE 03/05/02 2083GRDET.DWG
	GRADING DETAILS	SHEET # 3A JOB # 200083
RONALD R. BOHANNAN P.E. #7868		TERRA WEST, LLC 8509 JEFFERSON NE ALBUQUERQUE, NEW MEXICO 87113 (505)858-3100



MATCH LINE



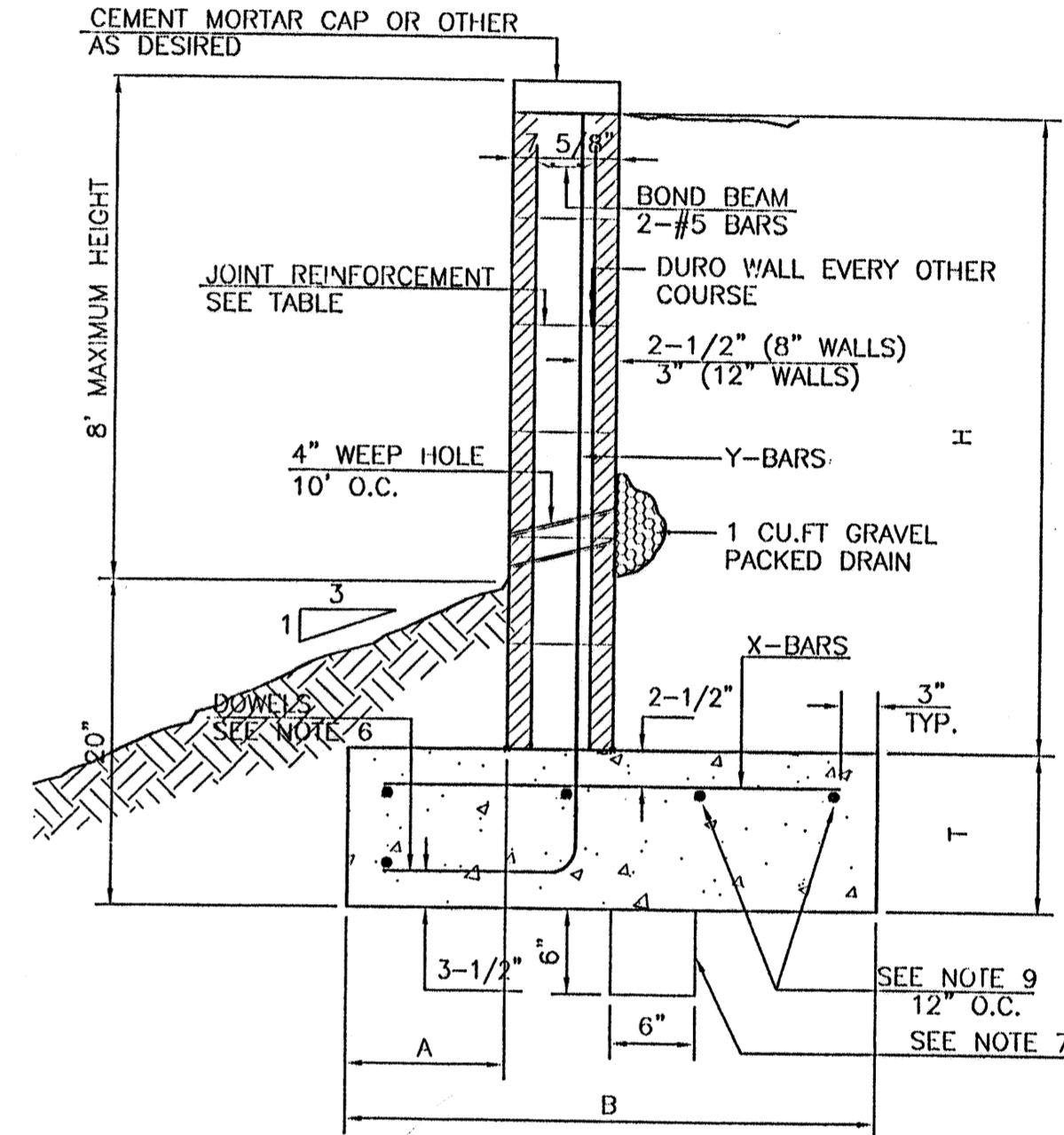
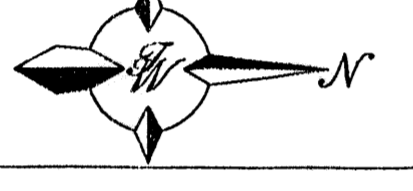
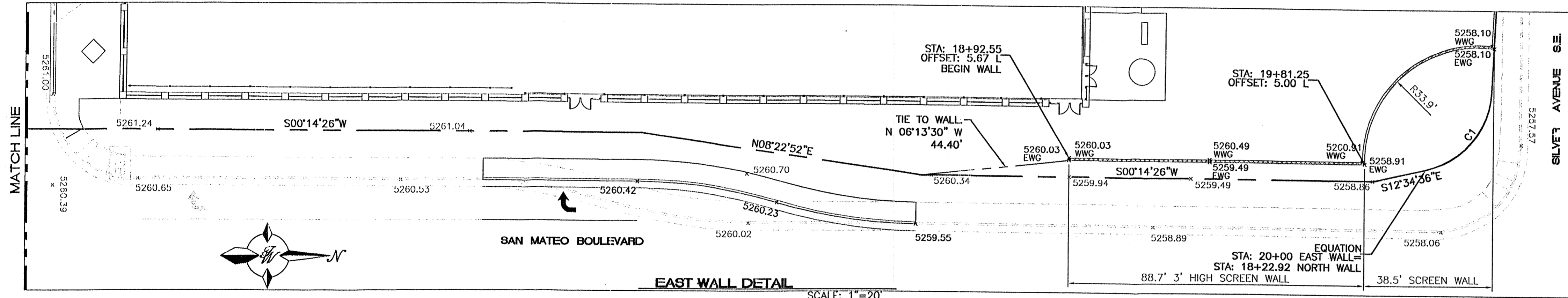
8 INCH REINFORCED CONCRETE MASONRY WALL

H	X	A	B	T	Y-BARS	X-BARS
ft.-in.	ft.-in.	in.	ft.-in.	in.		
2'-0"	1'-1"	8"	2'-4"	9"	#3 @32" O.C.	#3 @27" O.C.
2'-8"	1'-9"	8"	2'-9"	9"	#4 @32" O.C.	#3 @27" O.C.
3'-4"	2'-5"	8"	2'-4"	9"	#3 @32" O.C.	#3 @27" O.C.
4'-0"	3'-1"	10"	2'-9"	9"	#4 @32" O.C.	#3 @27" O.C.
4'-8"	3'-10"	12"	3'-4"	10"	#5 @32" O.C.	#3 @27" O.C.
5'-4"	4'-6"	14"	3'-8"	10"	#4 @16" O.C.	#4 @30" O.C.
6'-0"	5'-3"	16"	4'-2"	12"	#6 @24" O.C.	#4 @25" O.C.

12 INCH REINFORCED CONCRETE MASONRY WALL

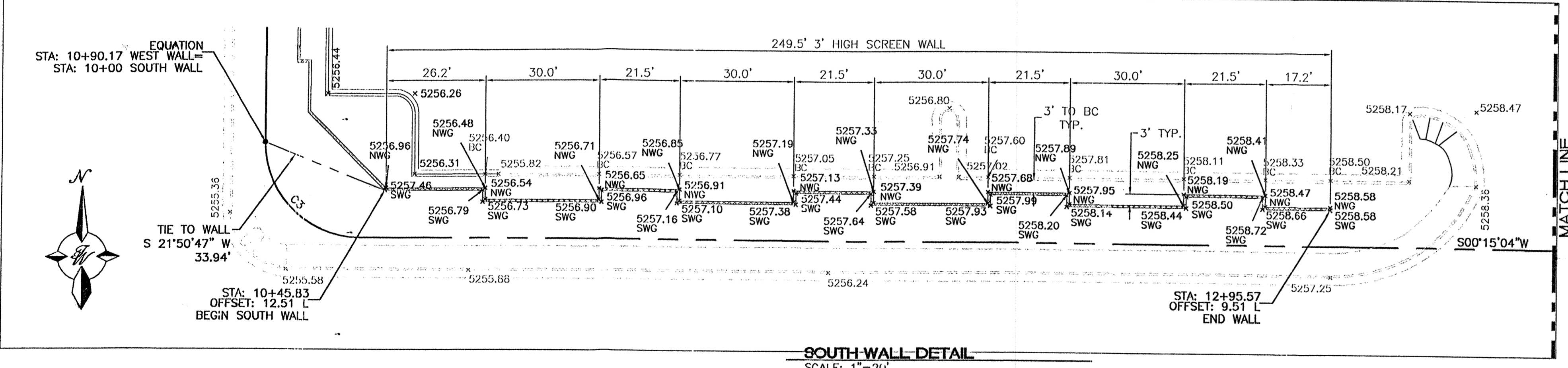
H	X	A	B	T	Y-BARS	X-BARS
ft.-in.	ft.-in.	in.	ft.-in.	in.		
5'-4"	4'-8"	14"	3'-8"	10"	#4 @24" O.C.	#3 @25" O.C.
6'-0"	5'-4"	15"	4'-2"	12"	#4 @16" O.C.	#4 @30" O.C.
6'-8"	6'-0"	16"	4'-6"	12"	#6 @24" O.C.	#4 @22" O.C.
7'-4"	6'-8"	18"	4'-10"	12"	#5 @16" O.C.	#5 @26" O.C.
8'-0"	7'-4"	20"	5'-4"	12"	#7 @24" O.C.	#5 @21" O.C.
8'-8"	8'-0"	20"	5'-8"	12"	#7 @16" O.C.	#5 @21" O.C.

- GENERAL NOTES:**
- ALL CONCRETE IS TO BE 4000 PSI @ 28 DAYS.
 - MINIMUM COMPACTION UNDER FOOTINGS IS TO BE 95% PER ASTM, D 1557 FOR A DEPTH OF 12" MOISTURE CONTENT IS TO BE ± 2.0%.
 - BACK FILL AGAINST WALLS IS TO BE HAND-PLACED AND COMPACTED.
 - ALL BARS ARE TO BE GRADE 60, ASTM 615.
 - TRUSS TYPE DUR-O-WALL EVERY OTHER COURSE.
 - DOWELS SHALL BE AT LEAST EQUAL IN SIZE AND SPACING TO Y-BARS, SHALL PROJECT A MINIMUM OF 30 BAR DIA. INTO THE FILLED BLOCK CORES, AND SHALL EXTEND TO THE TOE OF THE FOOTING.
 - PROVIDE KEY FOR 8" AND 12" WALLS WHERE H EXCEEDS 6'-0"
 - USE EITHER EXPANSION JOINTS ON 20' CENTERS OR PILASTERS EVERY 16'.
 - #3 BARS TO BE USED ON WALLS LESS THAN 2'-8" IN HEIGHT. #4 BARS TO BE USED ON WALLS GREATER THAN OR EQUAL TO 2'-8"
 - #4 BARS TO BE USED ON WALLS EXCEEDING 2'-8"
 - BOND BEAM - 1-#4 BARS FOR WALLS UNDER 3'-4", 2-#4 BARS FOR WALLS UNDER 5'-4", 2-#5 BARS FOR WALLS OVER 5'-4".



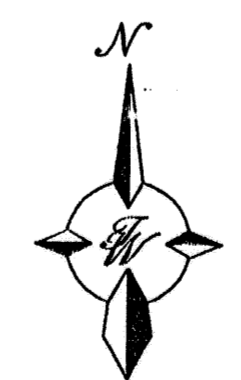
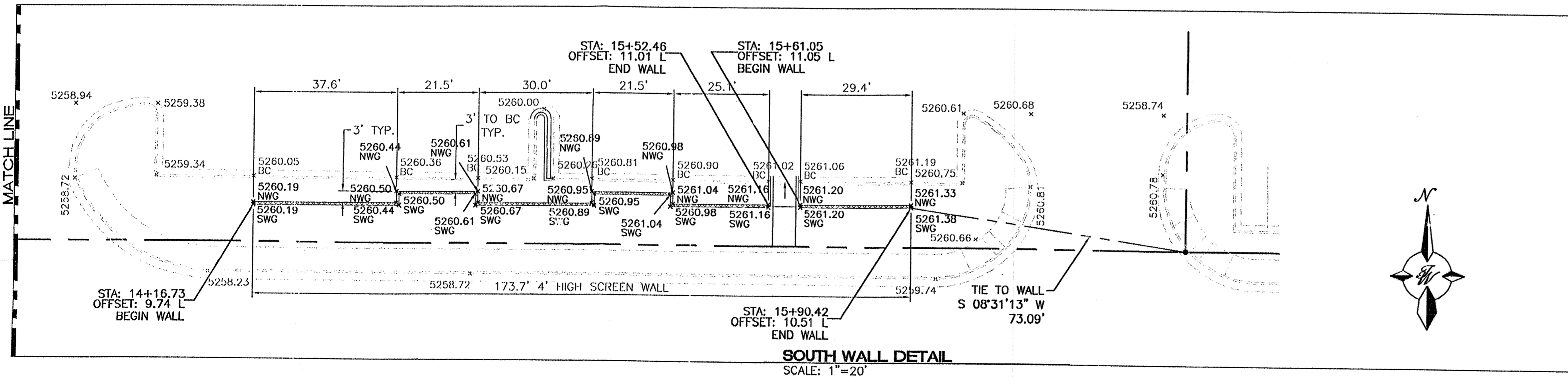
RETAINING WALL DETAIL
NTS

NOTE:
1. SEE SHEET 3A FOR SCREEN WALL DETAILS.

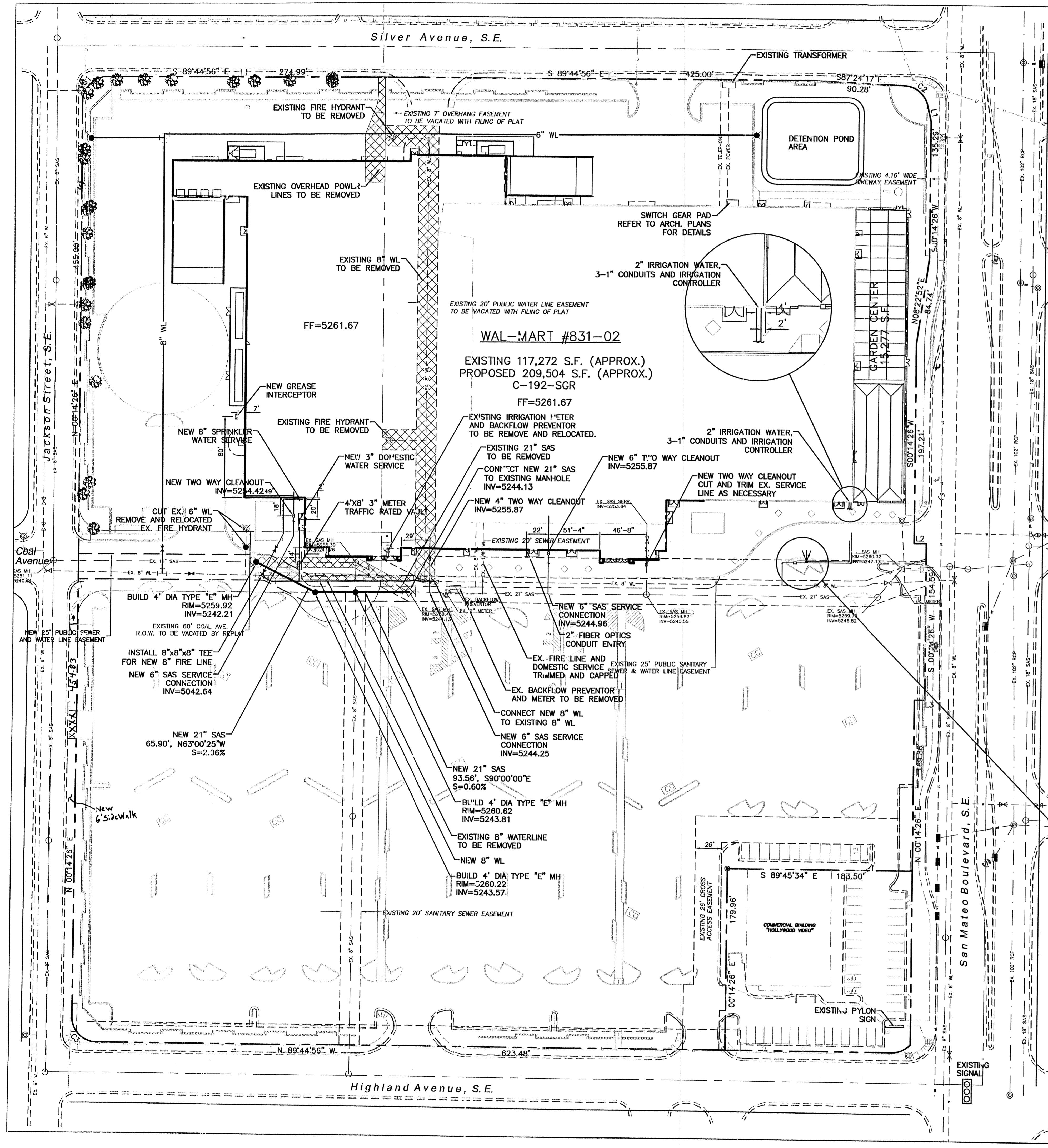


LEGEND

	EXISTING CURB
	PROPOSED CURB
	BOUNDARY LINE
	GROUND GRADE AT WEST WALL FACE
	GROUND GRADE AT EAST WALL FACE
	GROUND GRADE AT NORTH WALL FACE
	GROUND GRADE AT SOUTH WALL FACE
	GROUND GRADE AT BACK OF SIDEWALK
	GROUND GRADE AT BACK OF CURB



	ALBUQUERQUE WAL-MART EXPANSION, NM: 831-02	DRAWN BY: BDG DATE: 03/05/02 20830RDET.DWG
	GRADING DETAILS	SHEET # 3B
RONALD R. BOHANNON P.E. #7868	TERRA WEST, L.L.C. 8509 JEFFERSON NE ALBUQUERQUE, NEW MEXICO 87113 (505)858-3100	JOB # 200083



- ### 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, 2-2 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 ENTRANCES 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 ENCASUREMENTS 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, 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 LUMINAIR'S 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.

WATER SHUT-OFF PLAN SHUT OFF VALVES #1085,1087

- NOTES:
- ONLY WATER SYSTEMS PERSONNEL ARE AUTHORIZED TO OPERATE VALVES.
 - NOTIFY CITY OF ALBUQUERQUE, WATER SYSTEMS DIVISION (PHONE 857-8200) FIVE (5) WORKING DAYS IN ADVANCE OF NEEDING EXECUTION OF THE WATER SHUT OFF PLAN
 - APPROXIMATE SHUT OFF TIME WILL BE 24 HOURS. CONTRACTOR IS TO MAKE THE WATER CONNECTION DURING THE WAL-MART OFF HOURS.
 - SHUTOFF THE VALVES INDICATED IN THE ABOVE PLAN
 - SEE IRRIGATION PLANS FOR IRRIGATION IMPROVEMENTS AND DETAILS

- DUTY 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.

LEGEND

	EXISTING SD MANHOLE
	EXISTING FIRE DRAIN
	EXISTING INLET
	EXISTING SAS MANHOLE
	EXISTING METER
	EXISTING VALVE W/BOX
	EXISTING FIRE HYDRANT
	EXISTING SPRINKLER CONTROL BOX
	EXISTING FIRE PROTECTION VALVE
	EXISTING POWER POLE WITH FEED
	EXISTING POWER POLE W/FEED & LIGHT
	EXISTING POWER POLE
	EXISTING POWER POLE WITH LIGHT
	EXISTING PULL BOX
	EXISTING GAS VALVE
	EXISTING BOLLARD
	EXISTING PARKING LOT LIGHT
	PROPOSED PARKING LOT LIGHT
	PROPOSED CLEAN OUT
	PROPOSED DOUBLE CLEAN OUT
	EXISTING OVERHEAD UTILITIES
	EXISTING UNDERGROUND UTILITIES
	EXISTING GAS
	EXISTING SANITARY SEWER LINE
	EXISTING WATER LINE
	EXISTING STORM SEWER LINE
	EXISTING CURB & GUTTER
	PROPOSED STORM SEWER LINE
	PROPOSED SANITARY SEWER LINE
	PROPOSED FIRE HYDRANT
	PROPOSED WATERLINE
	BOUNDARY LINE
	EASEMENT

GRAPHIC SCALE

SCALE: 1"=50'

0 25 0 25 50

ENGINEER'S SEAL: RONALD R. BOHANNAN P.E. #7868

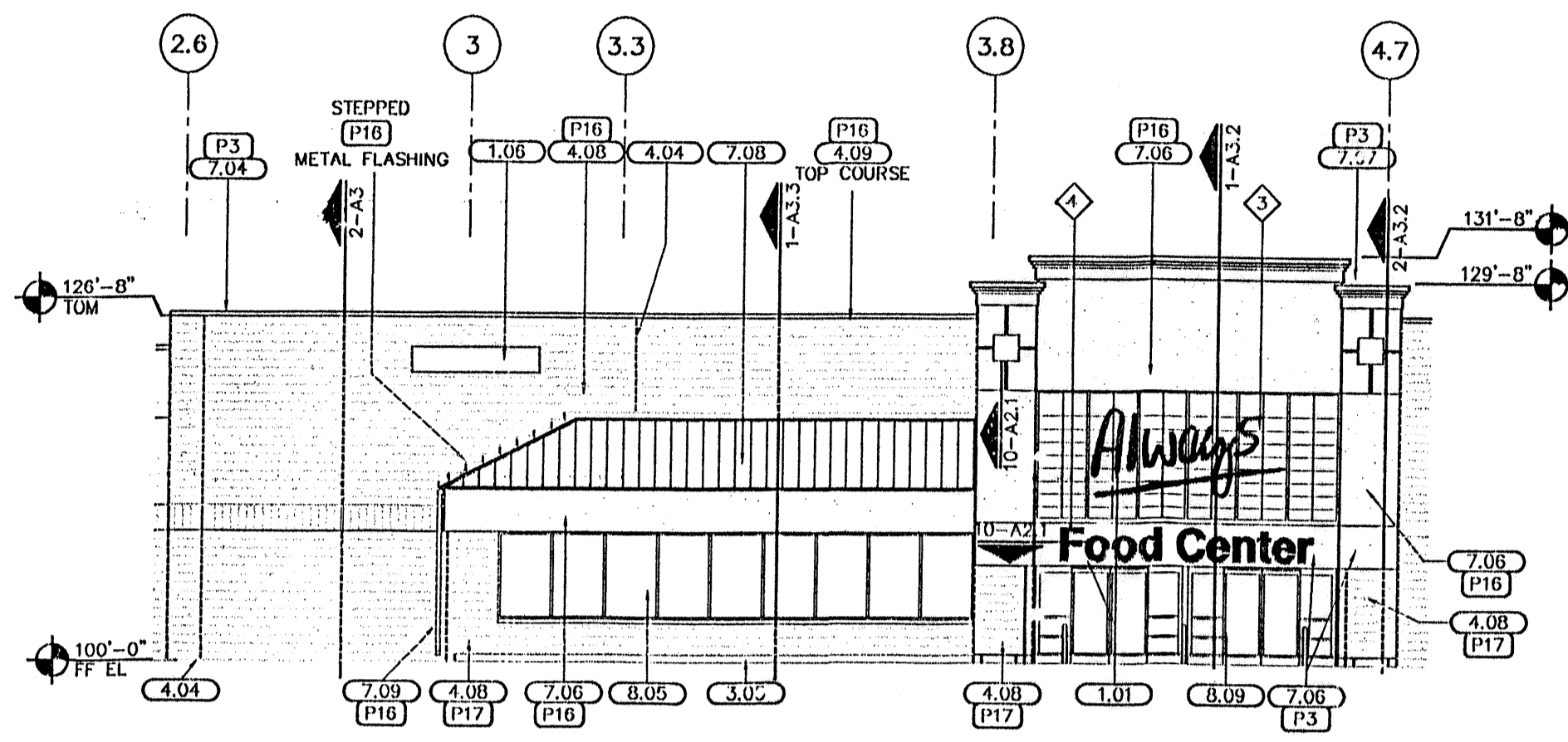
ALBUQUERQUE WAL-MART EXPANSION, NM: 831-02

MASTER UTILITY PLAN

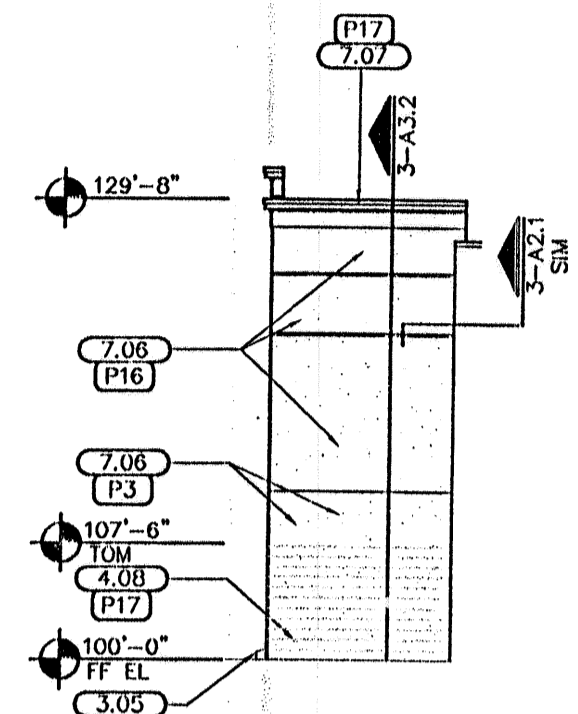
TERRA WEST, LLC
8509 JEFFERSON NE
ALBUQUERQUE, NEW MEXICO 87113
(505)858-3100

DRAWN BY: BDG
DATE: 03/14/02
2083MUB.DWG
SHEET #: 4
JOB #: 200083

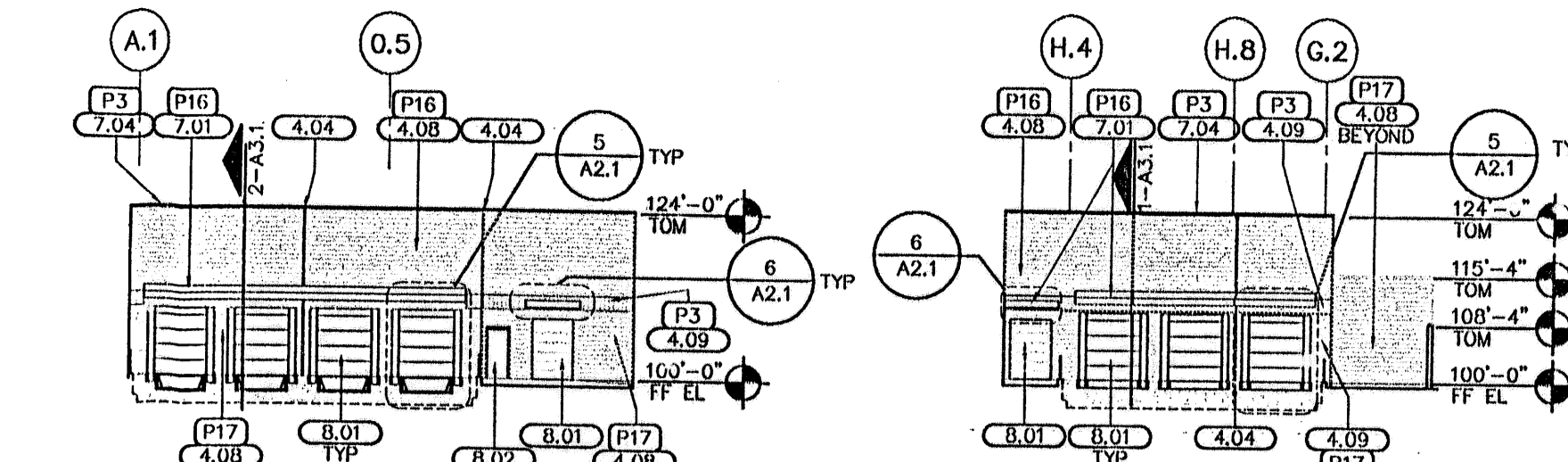
APPROVED: R.C. JONES 4-2-02



10 GR VESTIBULE ELEVATION
1" = 10'-0" A2-10

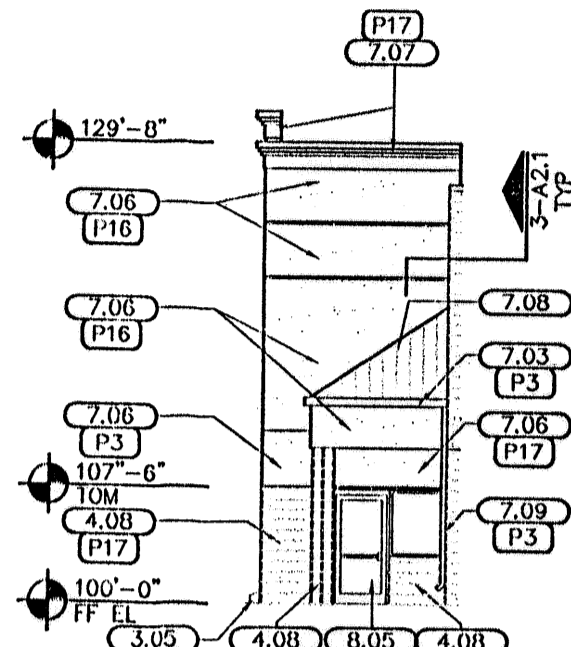


9 SIDE VESTIBULE ELEVATION
1" = 10'-0" A2-09

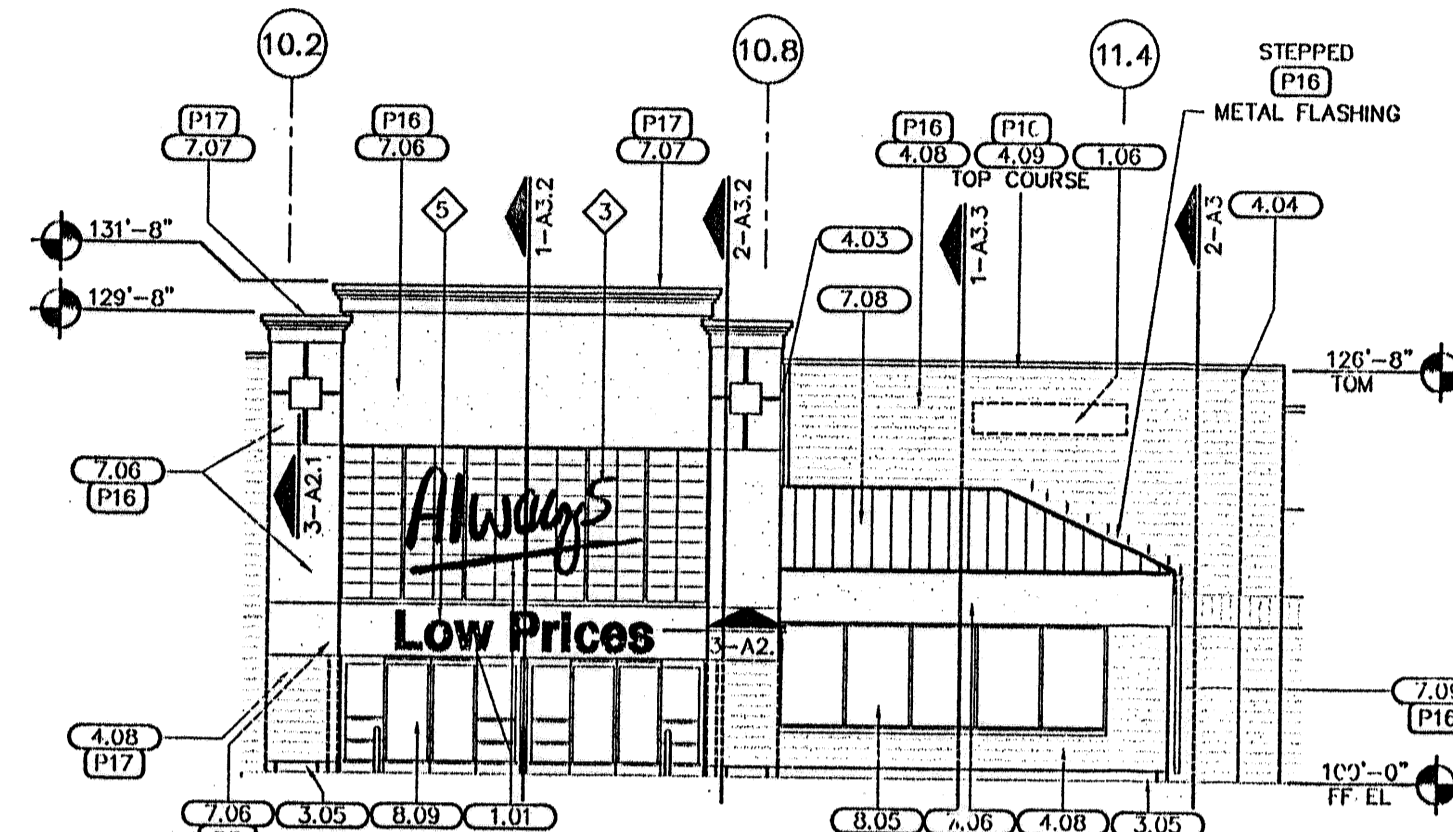


12 GR RECEIVING ELEVATION
1" = 20'-0" A2-12

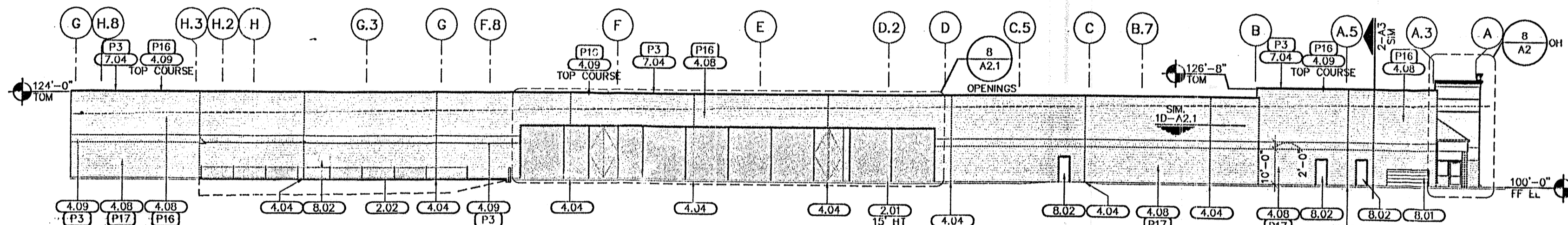
11 GM RECEIVING ELEVATION
1" = 20'-0" A2-11



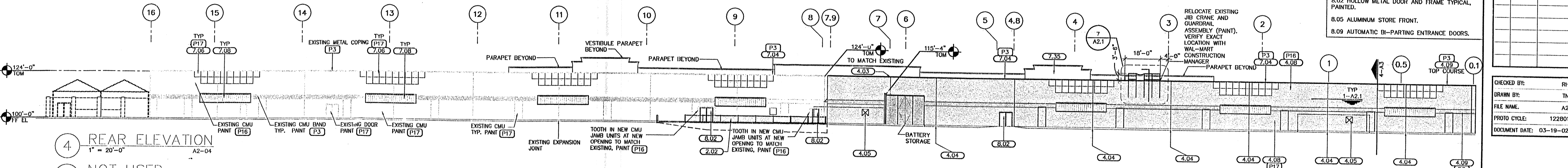
8 SIDE ELEVATION ELEVATION
1" = 10'-0" A2-08



7 GM VESTIBULE ELEVATION
1" = 10'-0" A2-07

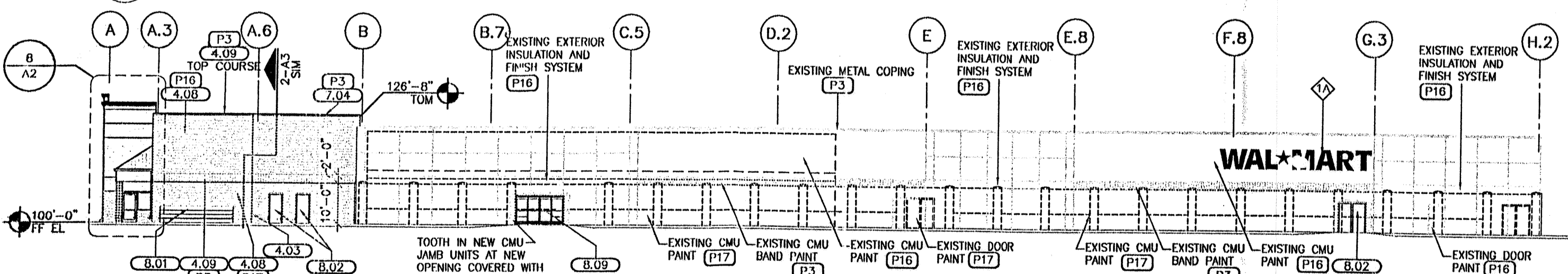


5 SIDE ELEVATION
1" = 20'-0" A2-05

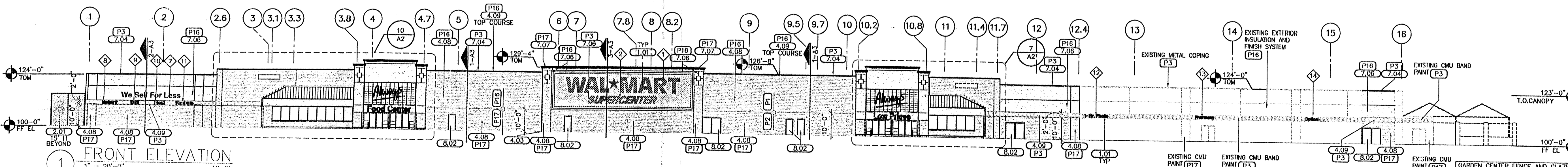


4 REAR ELEVATION
1" = 20'-0" A2-04

3 NOT USED
1" = 20'-0" A2-03



2 SIDE ELEVATION
1" = 20'-0" A2-02



1 FRONT ELEVATION
1" = 20'-0" A2-01

SHEET NOTES

1. DOWNSPOUTS ARE INDICATED FOR SIZE, QUANTITY, AND APPROXIMATE LOCATION ONLY.
2. GUTTERS, DOWNSPOUTS, DOOR HOODS, STEEL DOORS, FRAMES, EXPOSED METAL FLASHING, AND EXPOSED MISCELLANEOUS STEEL SHALL MATCH ADJACENT BUILDING COLOR UNO. IF THERE ARE TWO ADJACENT COLORS AT DOORS USE THE BASE OF BOTTOM COLOR FOR THE ENTIRE DOOR.
3. PARAPET STEPS OCCUR AT CONTROL JOINTS ONLY. REF STRUCTURAL FOR CONTROL JOINT LOCATIONS.

COLOR LEGEND

- A2-CS
- (P16) LIGHT BEIGE
(P17) DARK BEIGE
(P3) BLUE
- REF SPECIFICATIONS

KEYNOTES

- 1.01 SIGNAGE FURNISHED AND INSTALLED BY WAL-MART, NIC.
- 1.06 TENANT SIGN. TENANT SHALL BE RESPONSIBLE FOR ALL INSTALLATIONS, PERMIT COSTS, AND SIGN COSTS. REF: ELECTRICAL IF APPLICABLE.
- 2.01 CHAIN LINK FENCING WITH PLASTIC SCREENING SLATS INSTALLED VERTICALLY.
- 2.02 CHAIN LINK FENCING.
- 3.05 CONCRETE CURB
- 3.06 CONCRETE TRANSFORMER PAD, REFER CIVIL DRAWINGS FOR ACTUAL LOCATION. COORDINATE SIZE, REINFORCING AND THICKNESS WITH LOCAL UTILITY
- 4.03 EXPANSION JOINT.
- 4.04 CONTROL JOINT, TYP REF STRUCTURAL
- 4.05 40"x40" MASONRY OPENING AT TRASH COMPACTOR, BOTTOM OF OPENING AT 48" AFF
- 4.08 8" SPLIT FACE CMU.
- 4.09 8" SMOOTH FACE CMU.
- 5.09 JOB CRANE HOIST ARM AND GUARD RAIL ASSEMBLY. WAL-MART FURNISHED AND CONTRACTOR INSTALLED.
- 7.01 SHEET METAL DOOR HOOD, PAINTED.
- 7.03 GALVANIZED METAL GUTTER, PAINTED.
- 7.04 METAL COPING/METAL EDGE TRIM, PAINTED.
- 7.06 EXTERIOR INSULATION AND FINISH SYSTEM (EIFS)
- 7.07 EXTERIOR INSULATION AND FINISH SYSTEM MOULDING (EIFS).
- 7.08 STANDING SEAM METAL ROOF.
- 7.09 METAL DOWNSPOUT, PAINTED
- 7.17 METAL CANOPY DECK.
- 7.35 ROOFING MEMBRANE
- 8.01 SECTIONAL OVERHEAD DOOR, TYPICAL.
- 8.02 HOLLOW METAL DOOR AND FRAME TYPICAL, PAINTED.
- 8.05 ALUMINUM STORE FRONT.
- 8.09 AUTOMATIC BI-PARTING ENTRANCE DOORS.

Raymond Harris & Associates Architects
211 N. Record Street, Suite 212
Del Rio, Texas 78840
Telephone 214/741-0428

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CONSULTANTS

WAL-MART
SUPERCENTER EXPANSION
ALBUQUERQUE, NM
STORE NO. 831
JOB NUMBER: 011041 PROTO: 182

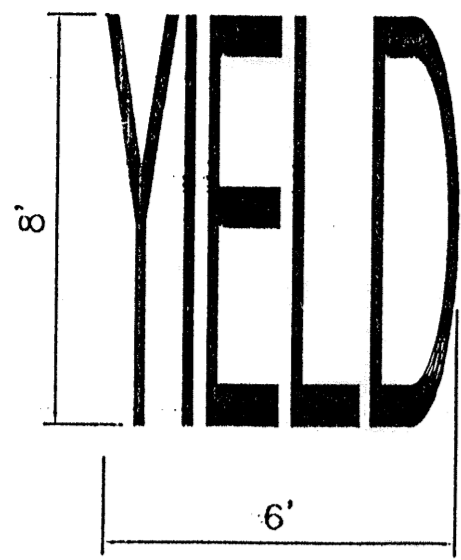
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CHECKED BY: RH
DRAWN BY: TN
FILE NAME: A2
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DOCUMENT DATE: 03-19-02

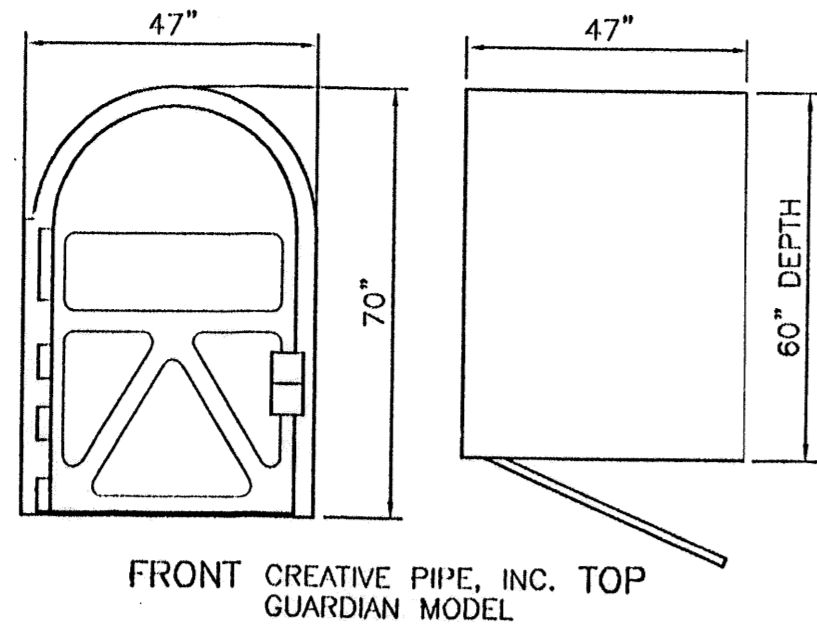
EXTERIOR ELEVATIONS

NOTE:

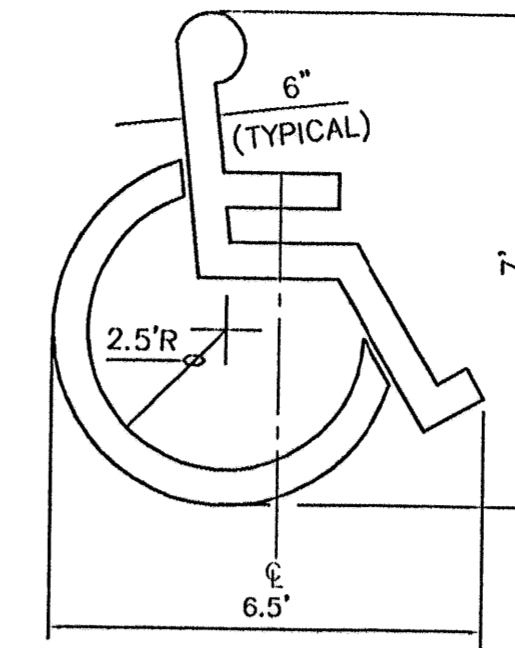
- WORDS AND ARROWS FOR DRIVEWAYS SHALL BE APPLIED ACCORDING TO REQUIREMENTS AS OUTLINED IN SECTION 3B OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREET AND HIGHWAYS.
- THESE WORDS AND ARROWS ARE TO BE PAINTED REFLECTIVE WHITE.



YIELD MARKER
SCALE: NTS



FRONT CREATIVE PIPE, INC. TOP GUARDIAN MODEL
BIKE LOCKER DETAIL
NTS

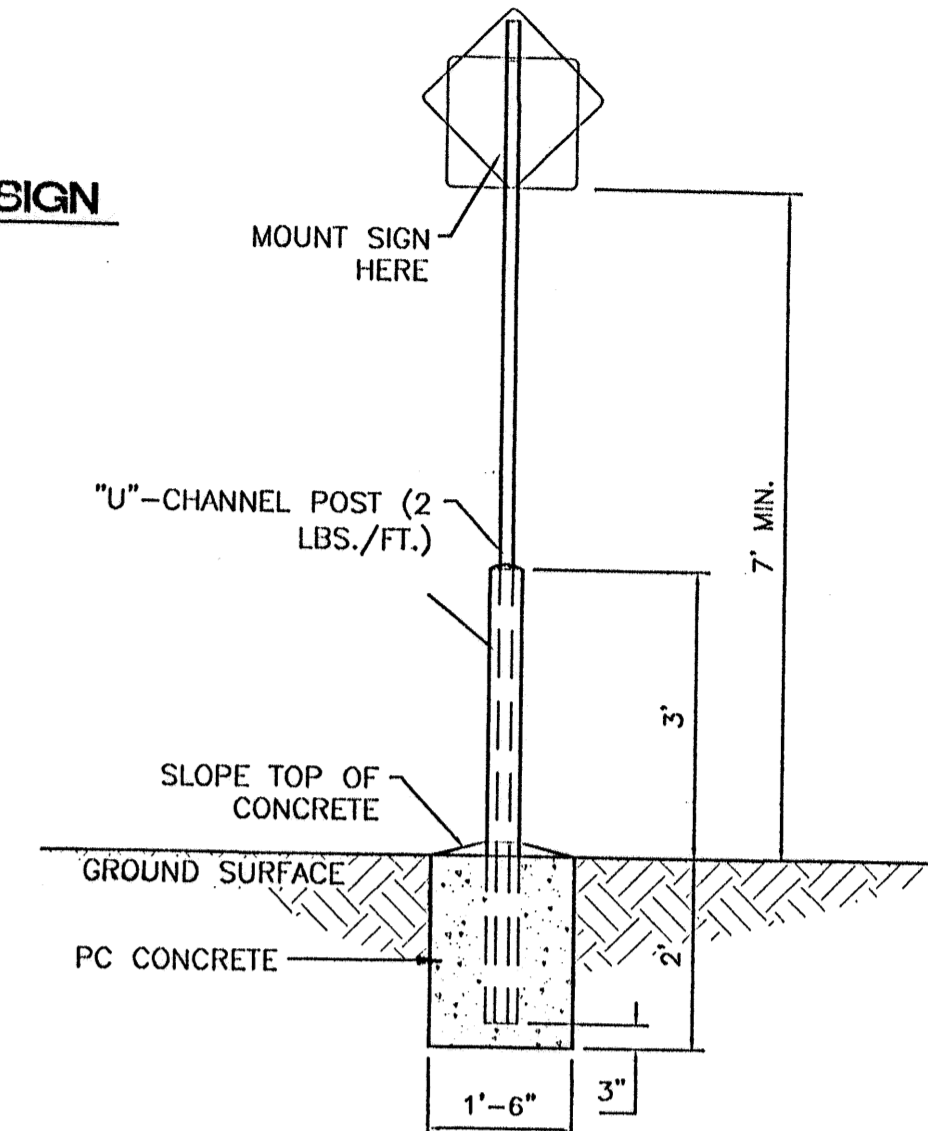


ACCESSIBLE PARKING SYMBOL
SCALE: NTS
LOCATE AT EDGE OF PARKING SPACE UNLESS ACCOMPANIED BY "VAN" LETTERING



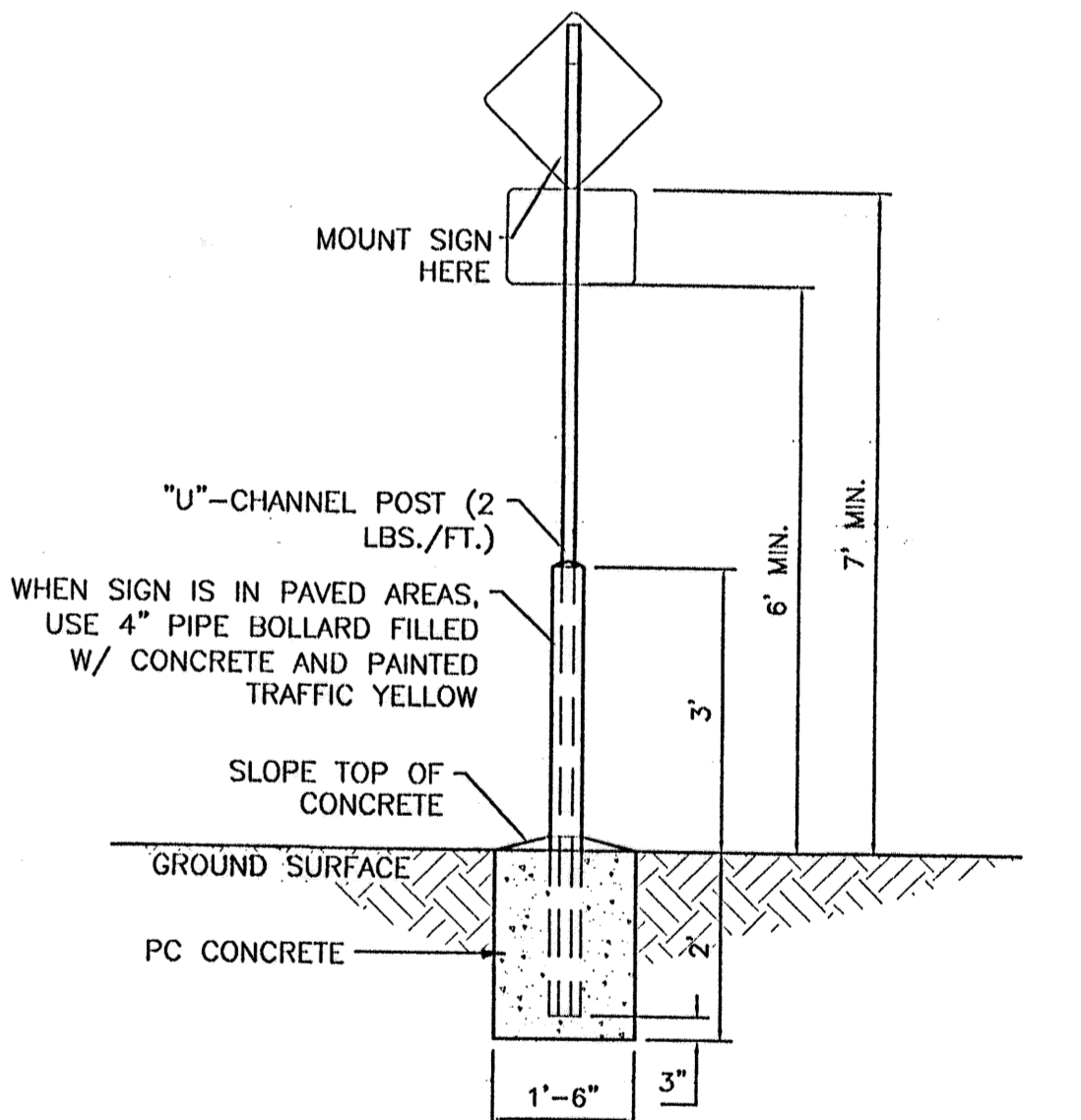
BLACK LEGEND ON YELLOW BACKGROUND (W11A-2) (W11A-2P)
PEDESTRIAN CROSSING SIGN
SCALE: NTS

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.

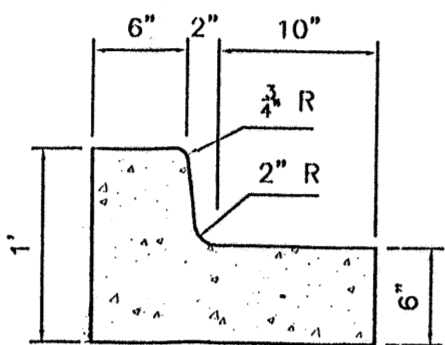


STANDARD SIGN BASE
SCALE: 1/2"=1'

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.



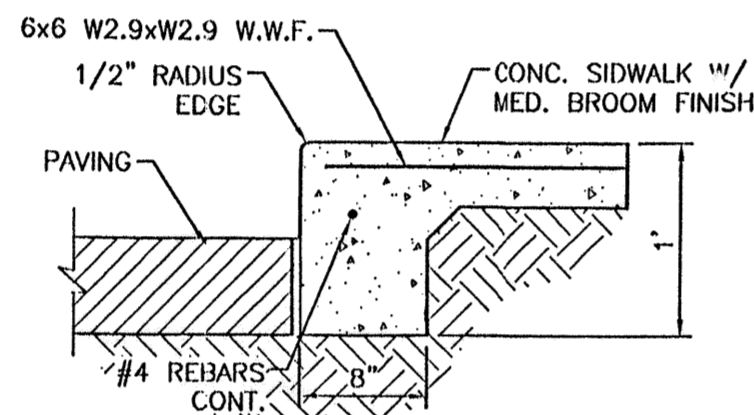
PEDESTRIAN SIGN BASE
SCALE: 1/2"=1'



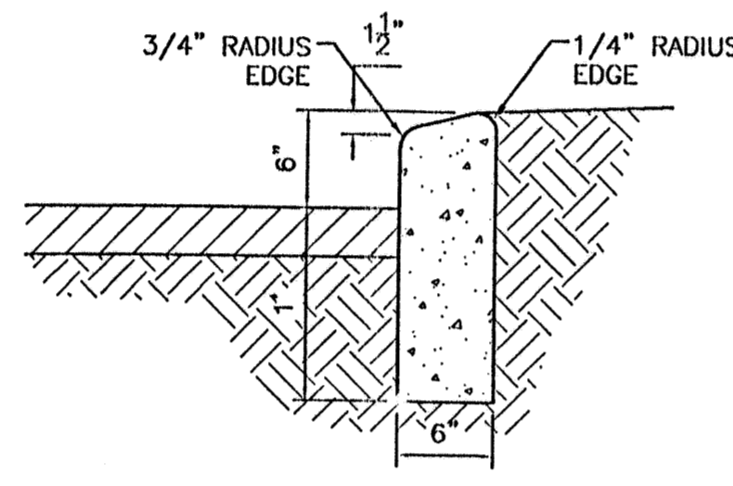
6 IN. CURB AND GUTTER
SCALE: 1"=1'

CURB GENERAL NOTES:

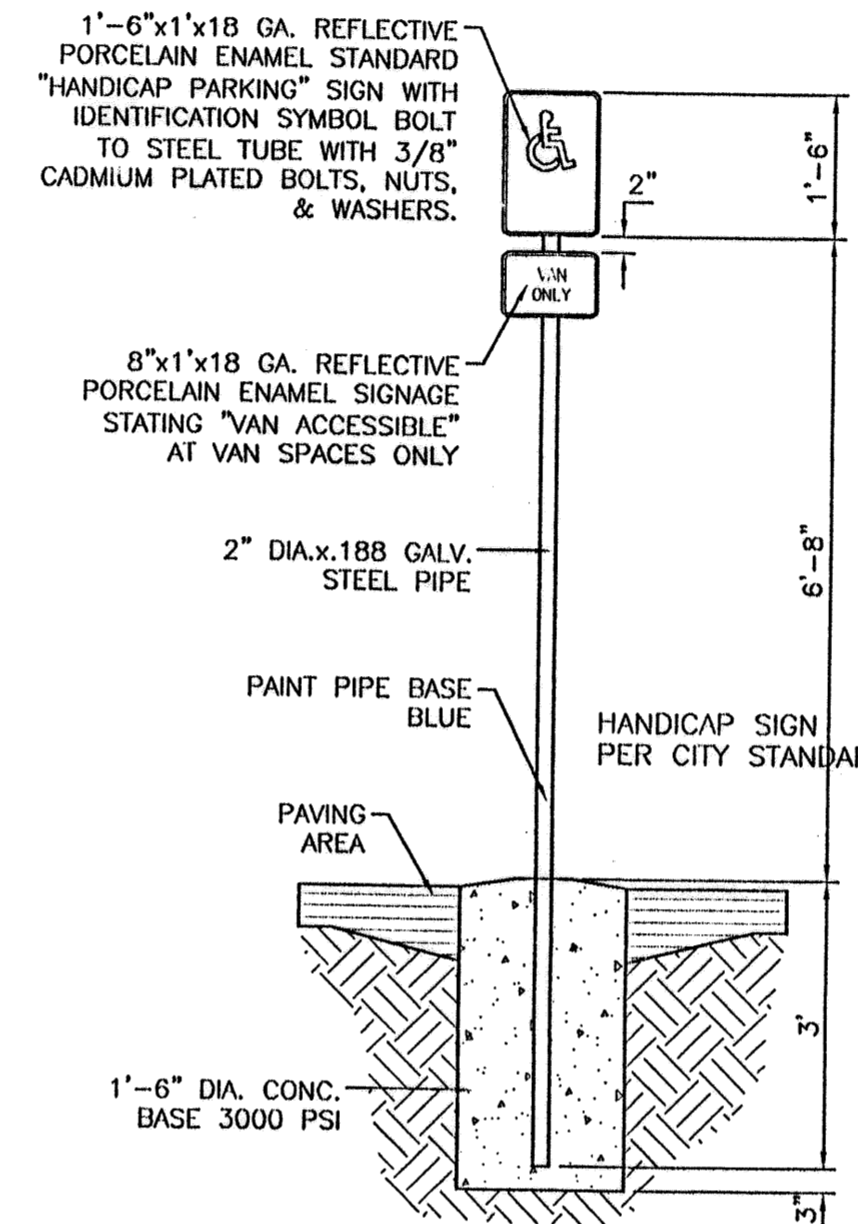
- ALL CURBS TO BE CONSTRUCTED OF PORTLAND CEMENT CONCRETE, PER WAL-MART SPECIFICATIONS.
- PROVIDE CONTRACTION JTS. 12' MAX., SPACING, 1/2" EXP. JTS. AT CURB RETURNS AND AT A MAX. SPACING OF 120' BETWEEN CURB RETURNS AND EACH SIDE OF SEPARATELY CONSTRUCTED DRIVEWAYS, CONTRACTION JTS. SHALL BE EITHER SAWS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



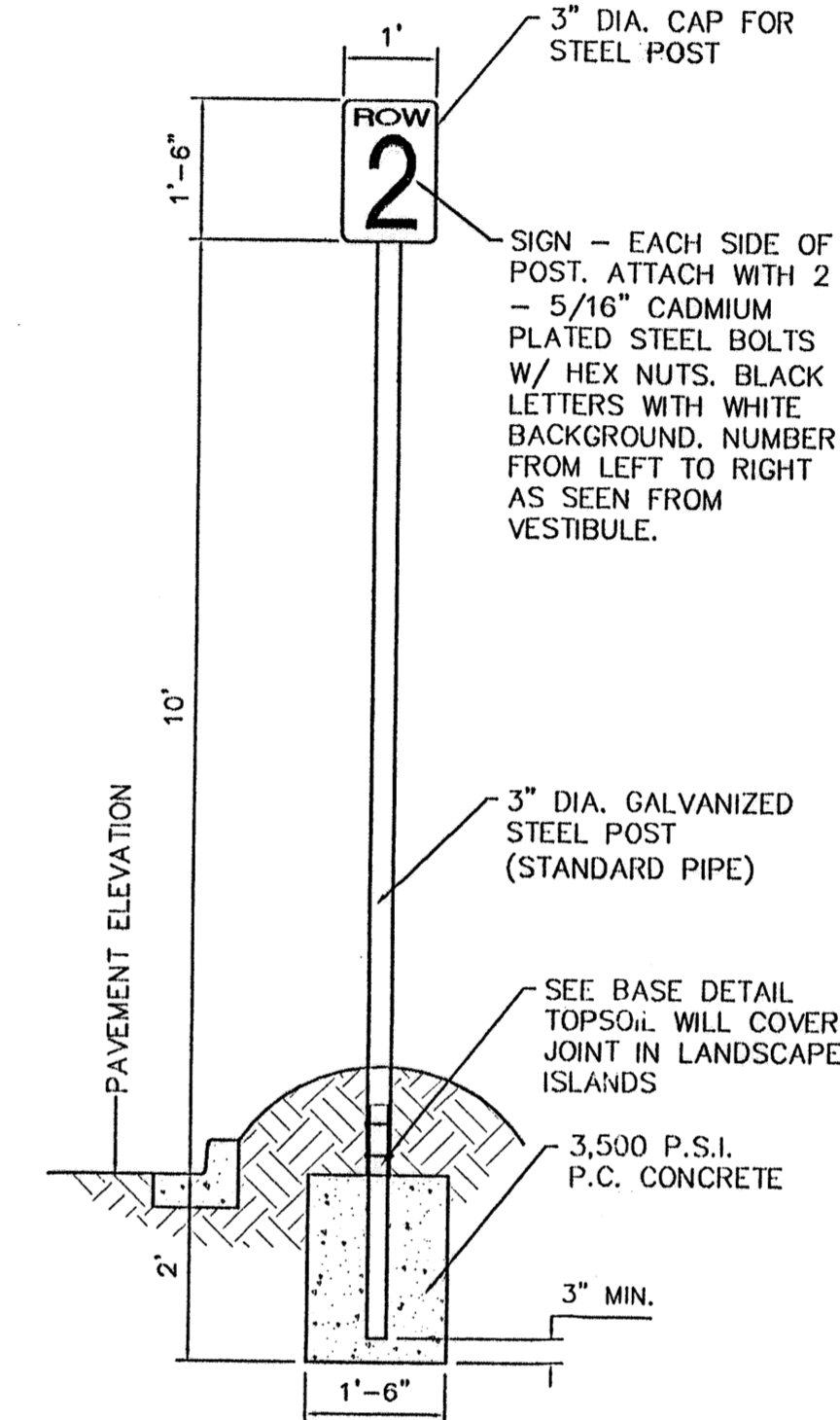
DETAIL-TURNDOWN CURB
1" = 1'-0"



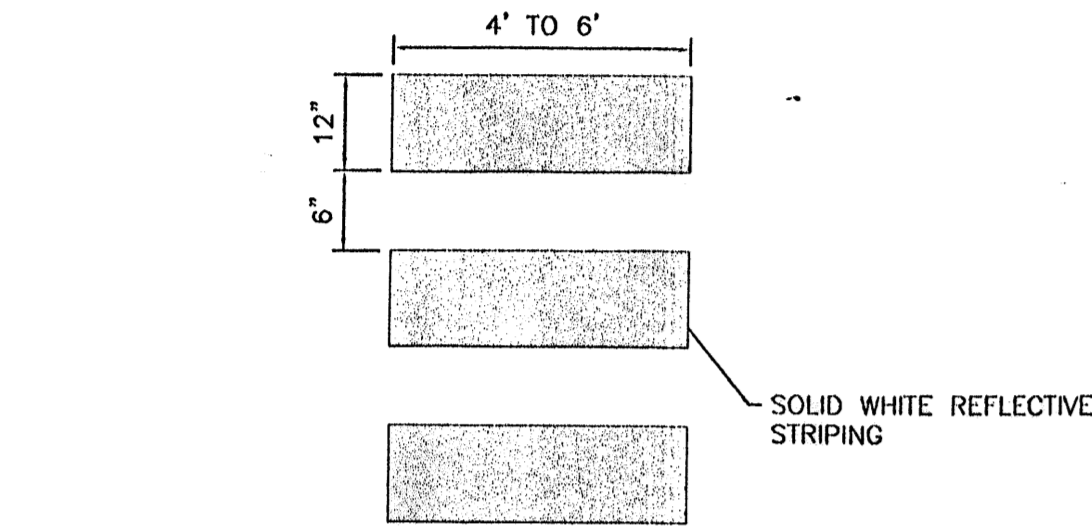
6" HEADER CURB DETAIL
1" = 1'



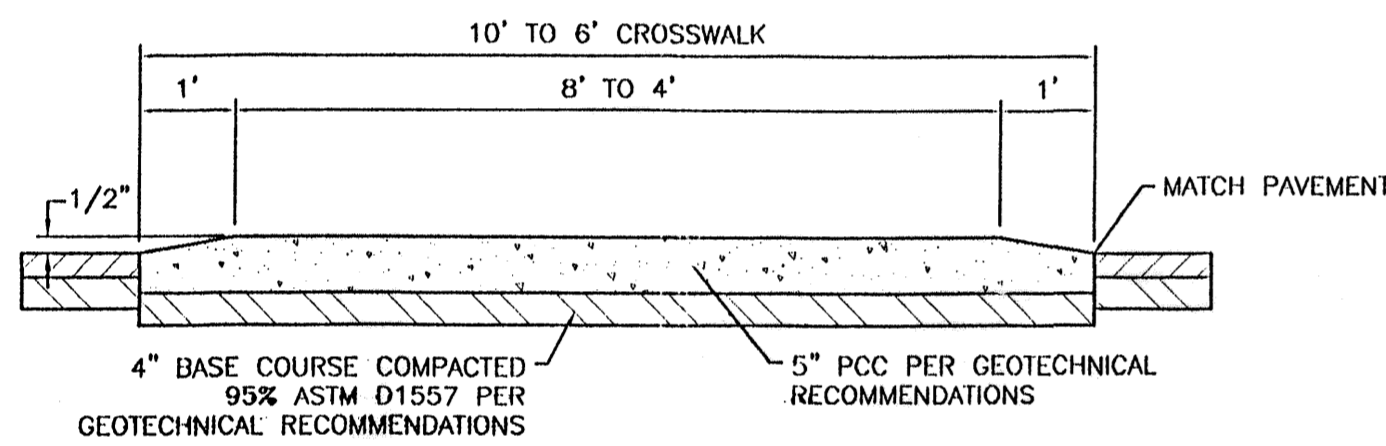
HANDICAP SIGN
SCALE: 1/2"=1'



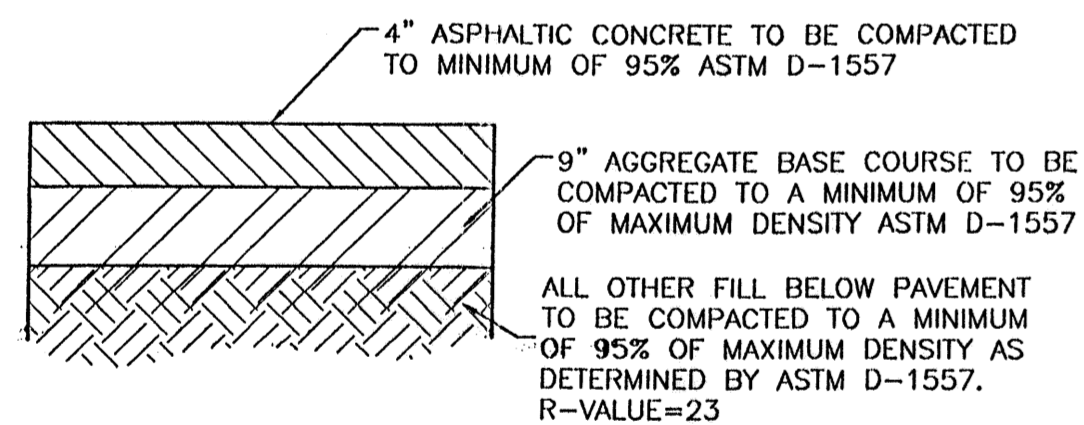
AISLE SIGN IN LANDSCAPE ISLAND
SCALE: 1/2"=1'



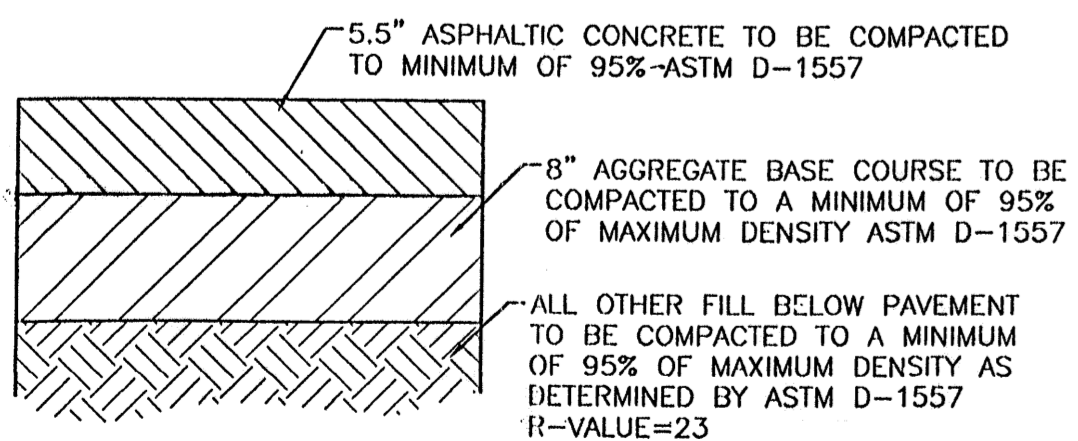
CROSSWALK PLAN VIEW



RAISED CROSSWALK
SCALE: 1/2"=1'

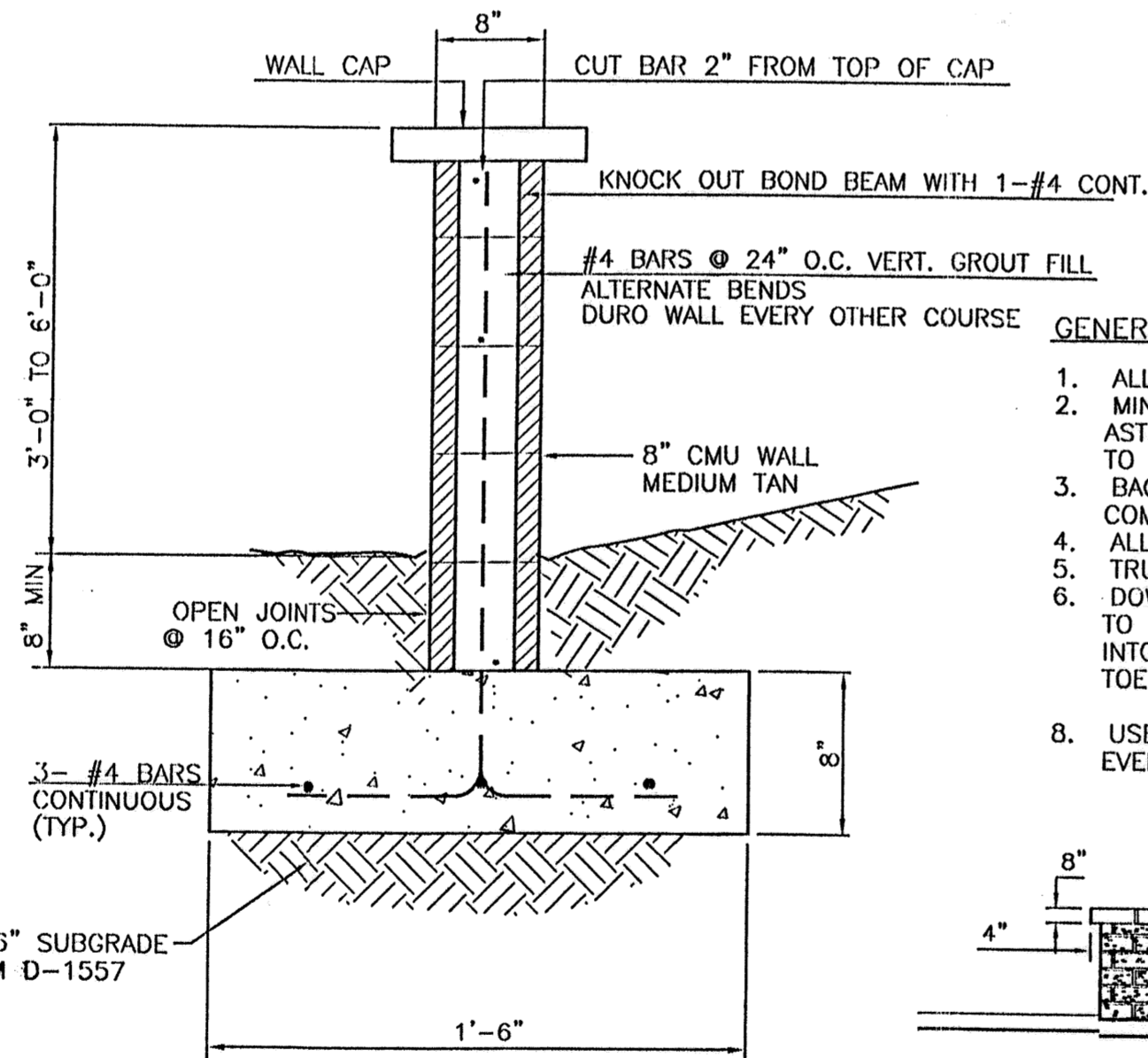


AUTOMOBILE PARKING TYPICAL PAVING SECTION
1" = 1' DESIGNATED BY [Symbol]



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

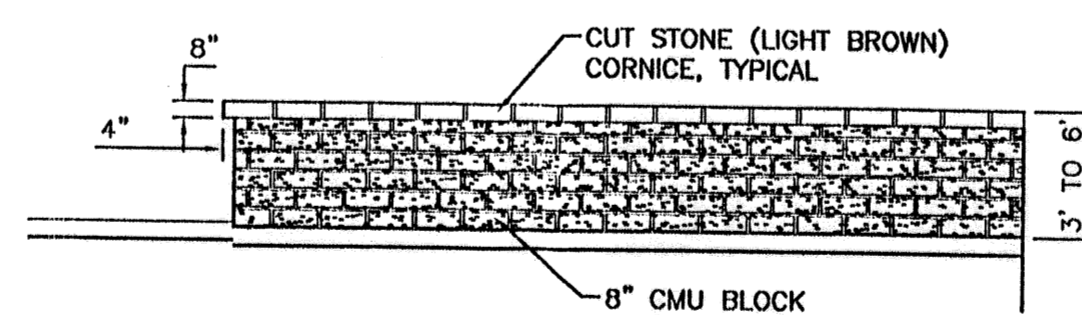
NOTE: REFER TO GEOTECHNICAL REPORTS FOR SPECIFICATIONS.



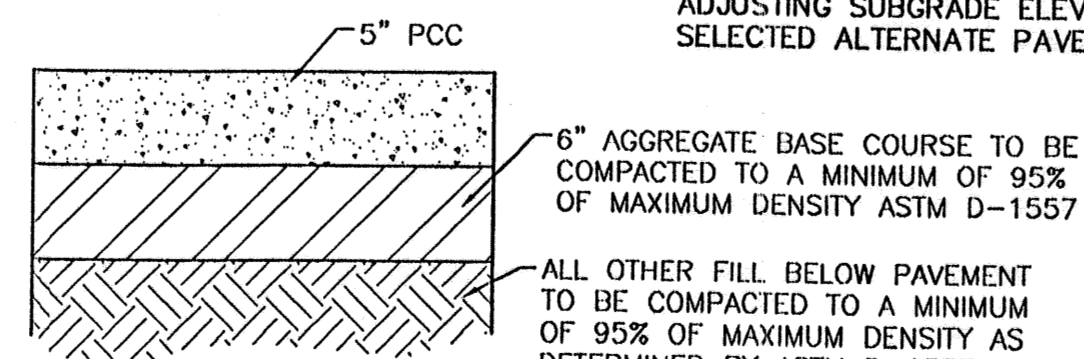
3' SCREEN WALL SECTION
NTS

GENERAL NOTES:

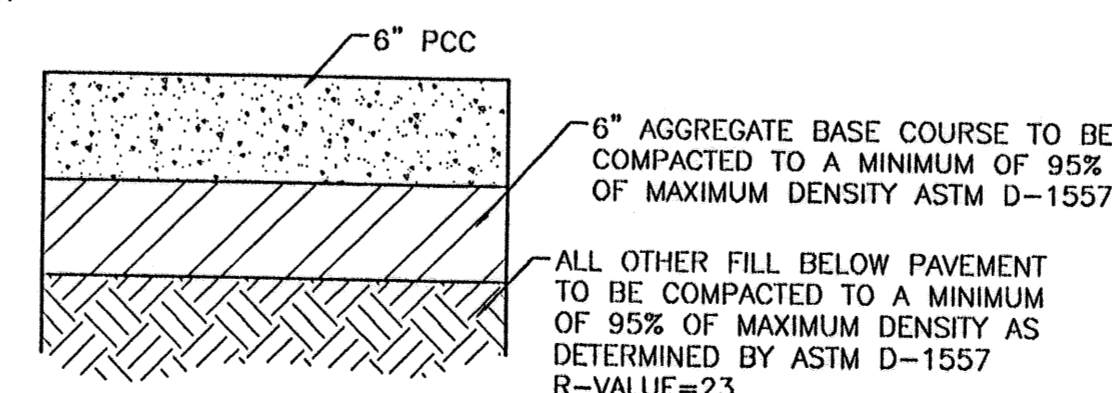
- ALL CONCRETE IS TO BE 3000 PSI @ 28 DAYS.
- MINIMUM COMPACTION UNDER FOOTINGS IS TO BE 95% PER ASTM. D 1557 FOR A DEPTH OF 12" MOISTURE CONTENT IS TO BE ± 2.0%.
- BACK FILL AGAINST WALLS IS TO BE HAND-PLACED AND COMPACTED.
- ALL BARS ARE TO BE GRADE 60, ASTM 615.
- TRUSS TYPE DUR-O-WALL EVERY OTHER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



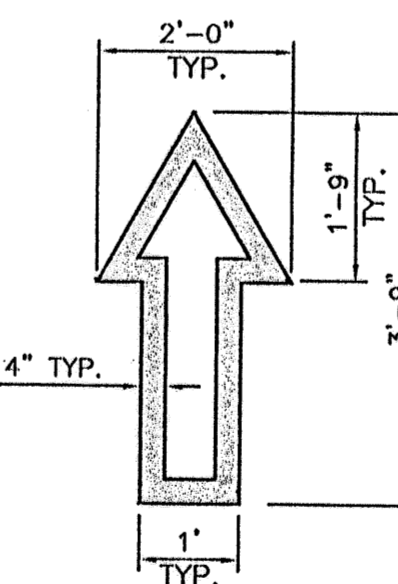
SCREEN WALL DETAIL (TYP.)
NTS



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

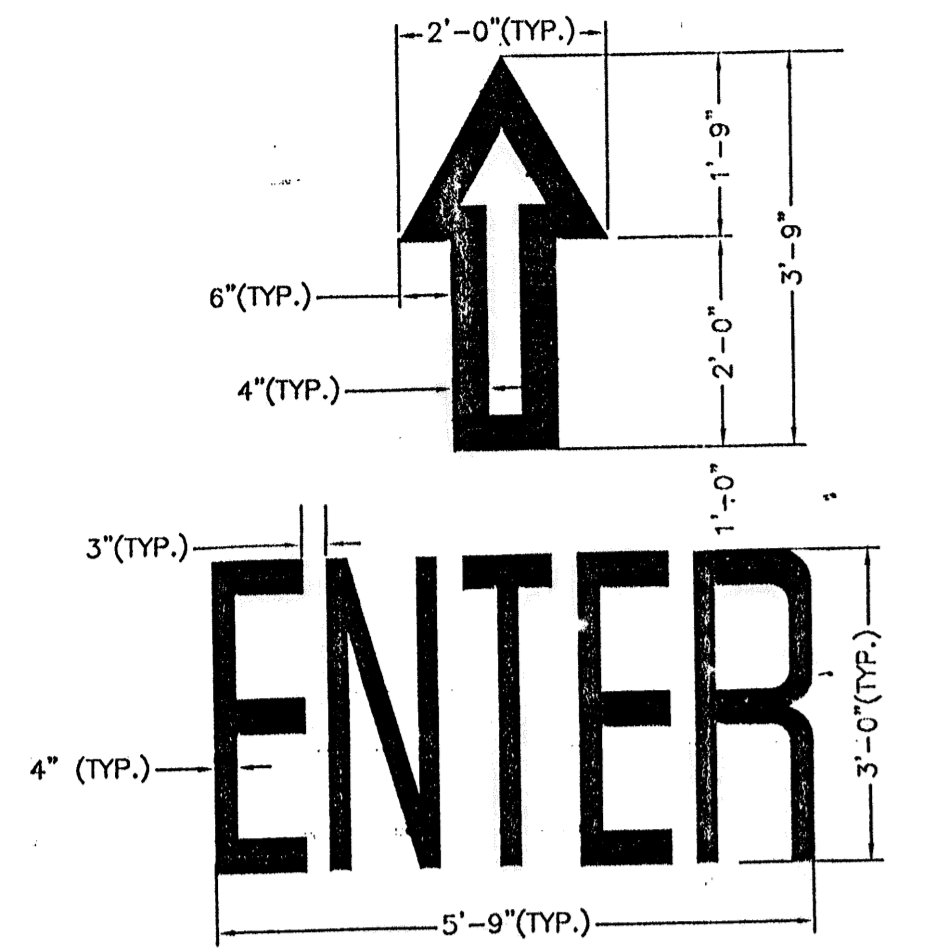


HEAVY CONCRETE SECTION
1" = 1' DESIGNATED BY [Symbol]



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

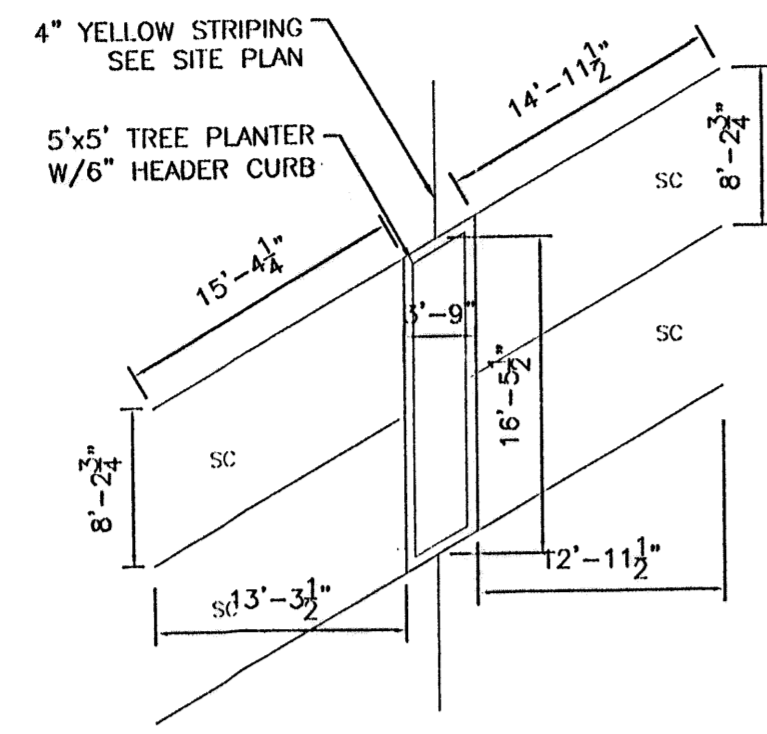
NO.	DATE	REMARKS	BY
REVISIONS			
ENGINEER'S SEAL ALBUQUERQUE WAL-MART EXPANSION, NM: 831-02 DETAILS			DRAWN BY BDC DATE 01/18/02 DETAILS.DWG SHEET # 6 JOB # 990031
ENGINEER'S SEAL ROLAND R. BOHANNAN P.E. #7868			DRAWN BY BDC DATE 01/18/02 DETAILS.DWG SHEET # 6 JOB # 990031



ENTER MARKER

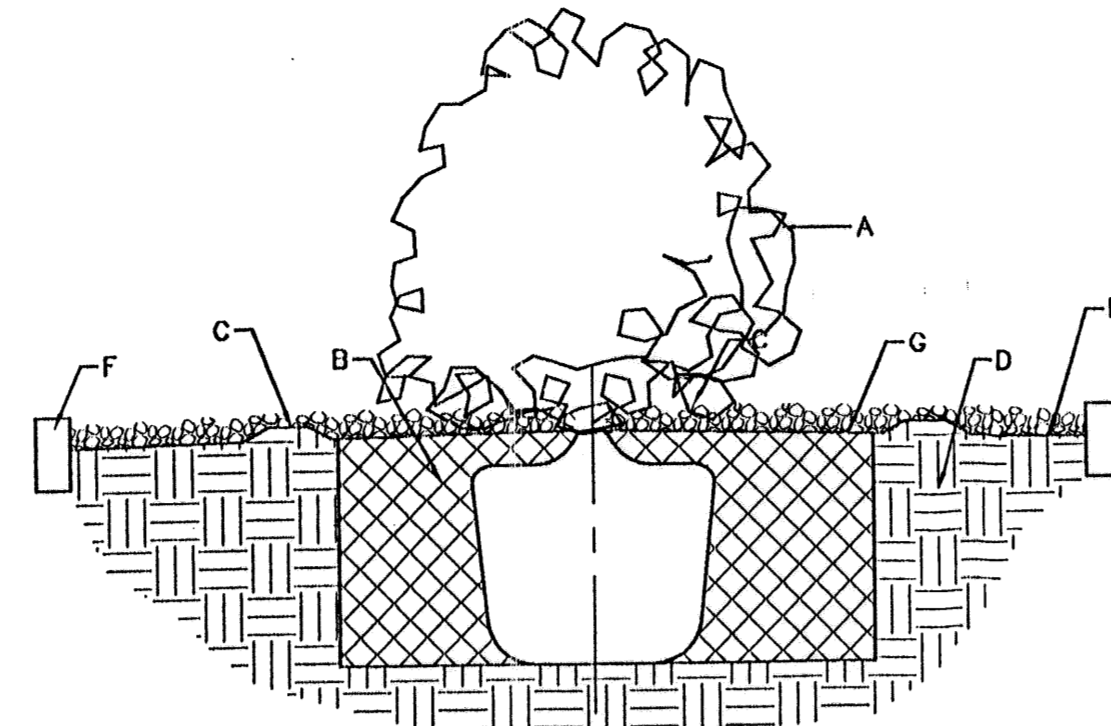
SCALE: NTS

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



ELONGATED TREE PLANTER

SCALE: NTS



GENERAL NOTES:

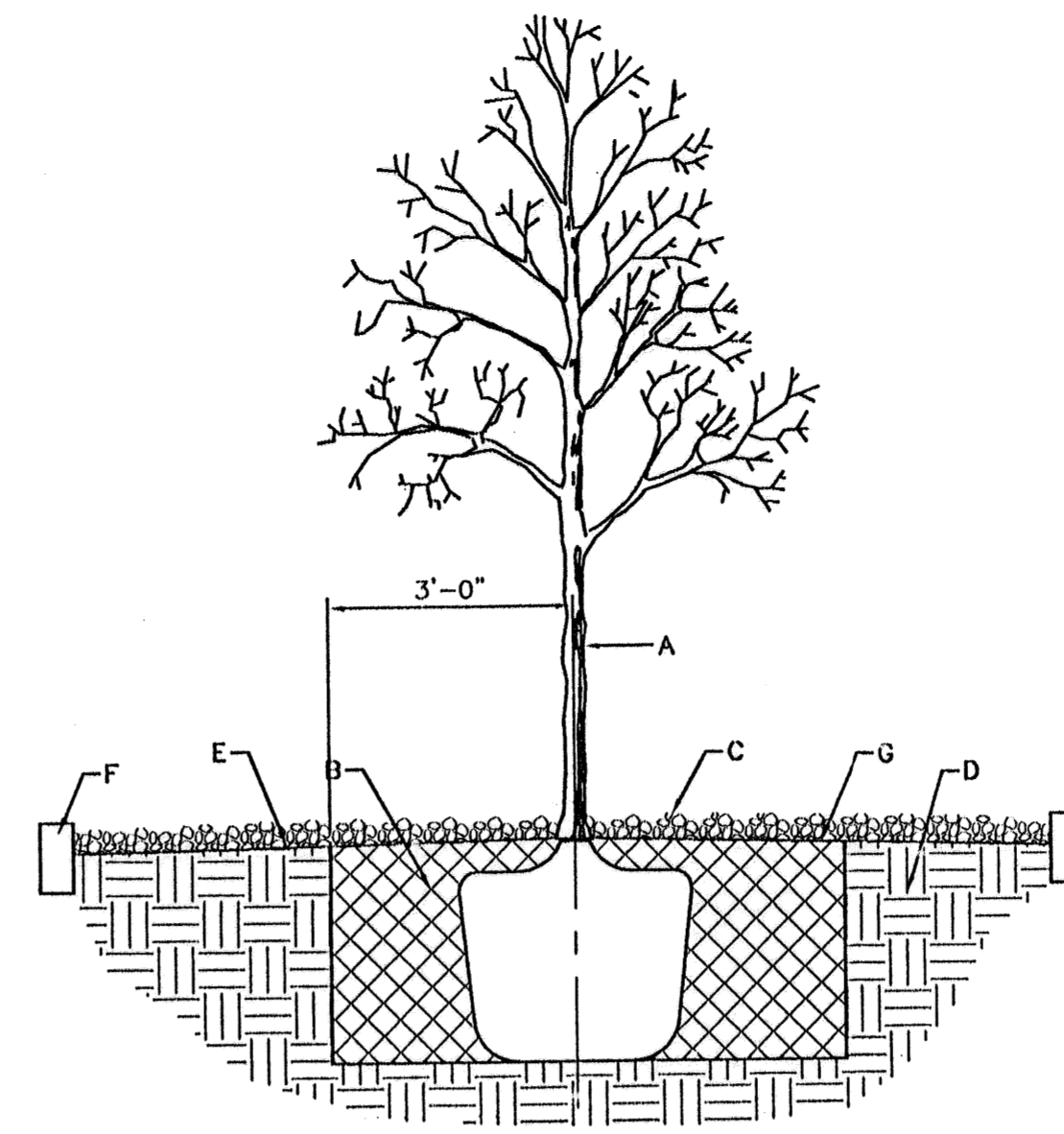
1. ROOTBALL SHALL BE PLACED ON DISTURBED SOIL TO PREVENT TREE FROM SETTLING.
2. TOP OF ROOTBALL INDICATES LEVEL AT WHICH TREE WAS GROWN AND DUG, THIS REPRESENTS THE LEVEL AT WHICH THE TREE SHOULD BE INSTALLED, THAT LEVEL MAY BE EXCEEDED BY ONLY A ONE INCH LAYER OF SOIL.
3. PRIOR TO BACKFILL TREE, ALL 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:

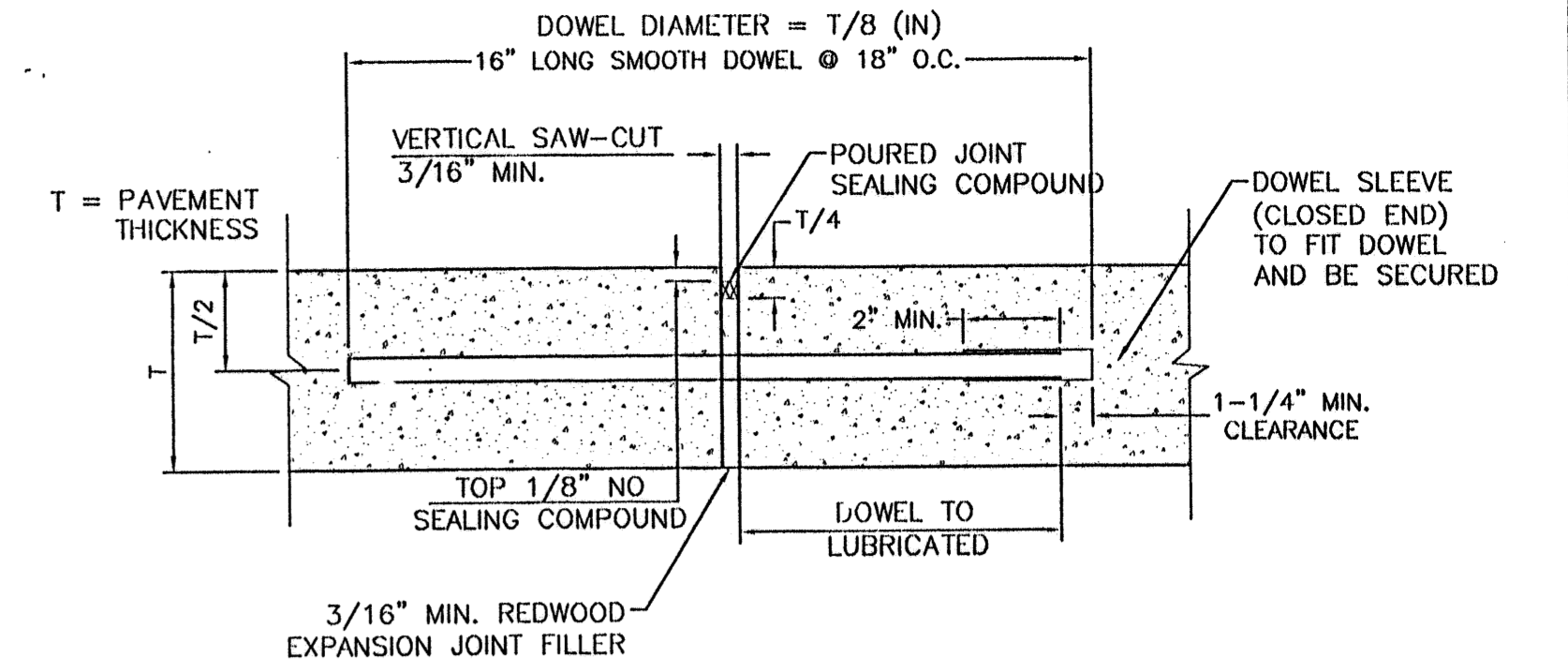
1. ROOTBALL SHALL BE PLACED ON DISTURBED SOIL TO PREVENT TREE FROM SETTLING.
2. TOP OF ROOTBALL INDICATES LEVEL AT WHICH TREE WAS GROWN AND DUG, THIS REPRESENTS THE LEVEL AT WHICH THE TREE SHOULD BE INSTALLED, THAT LEVEL MAY BE EXCEEDED BY ONLY A ONE INCH LAYER OF SOIL.
3. PRIOR TO BACKFILL TREE, ALL 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

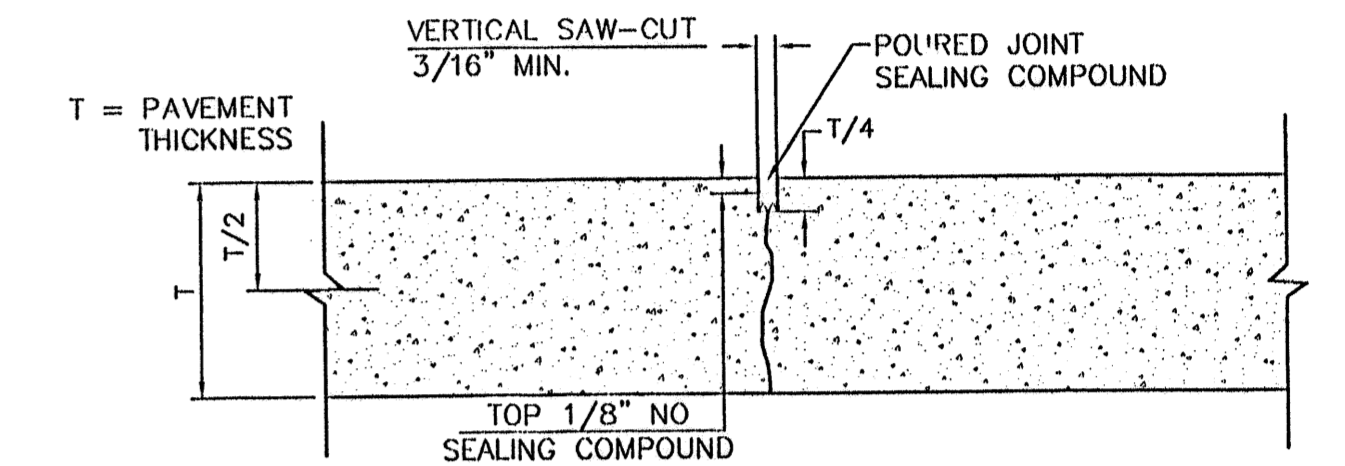
TREE PLANTING

SCALE: NTS

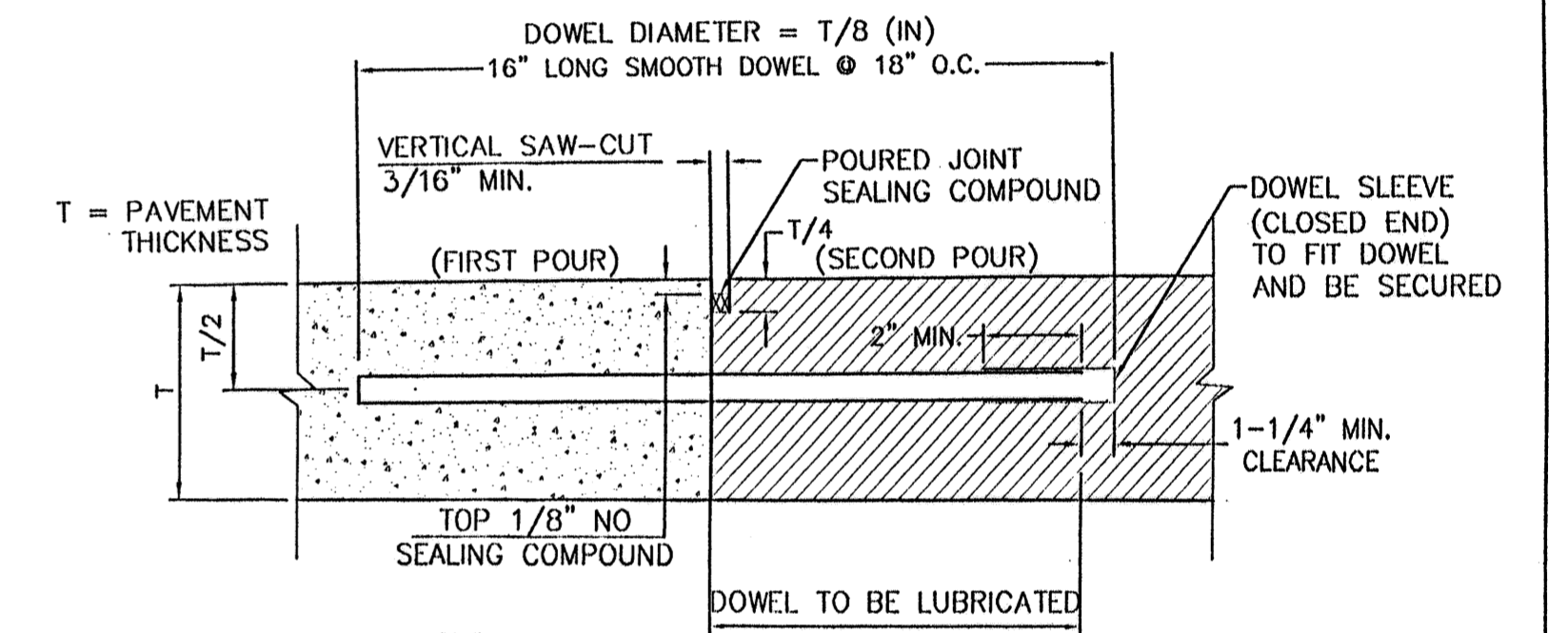


NOTE: 1. DOWELS SHALL BE SUPPORTED BY AN APPROVED DEVICE.

TRANSVERSE EXPANSION JOINT

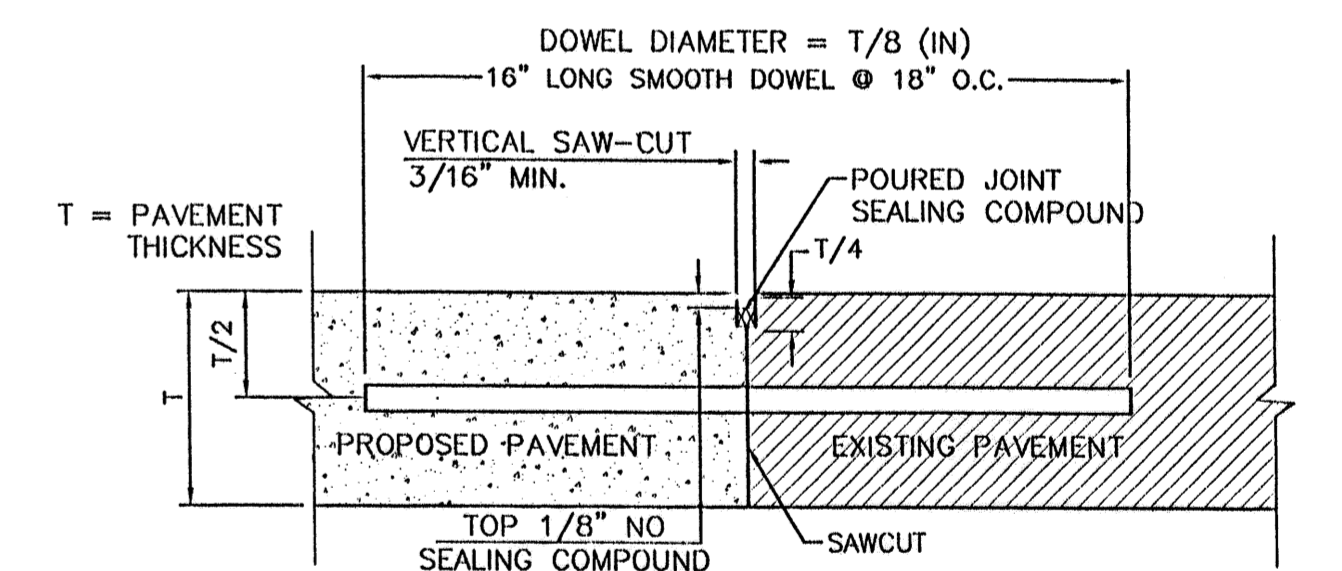


CONTRACTION JOINT



NOTE: 1. DOWELS SHALL BE SUPPORTED BY AN APPROVED DEVICE.

CONSTRUCTION JOINT

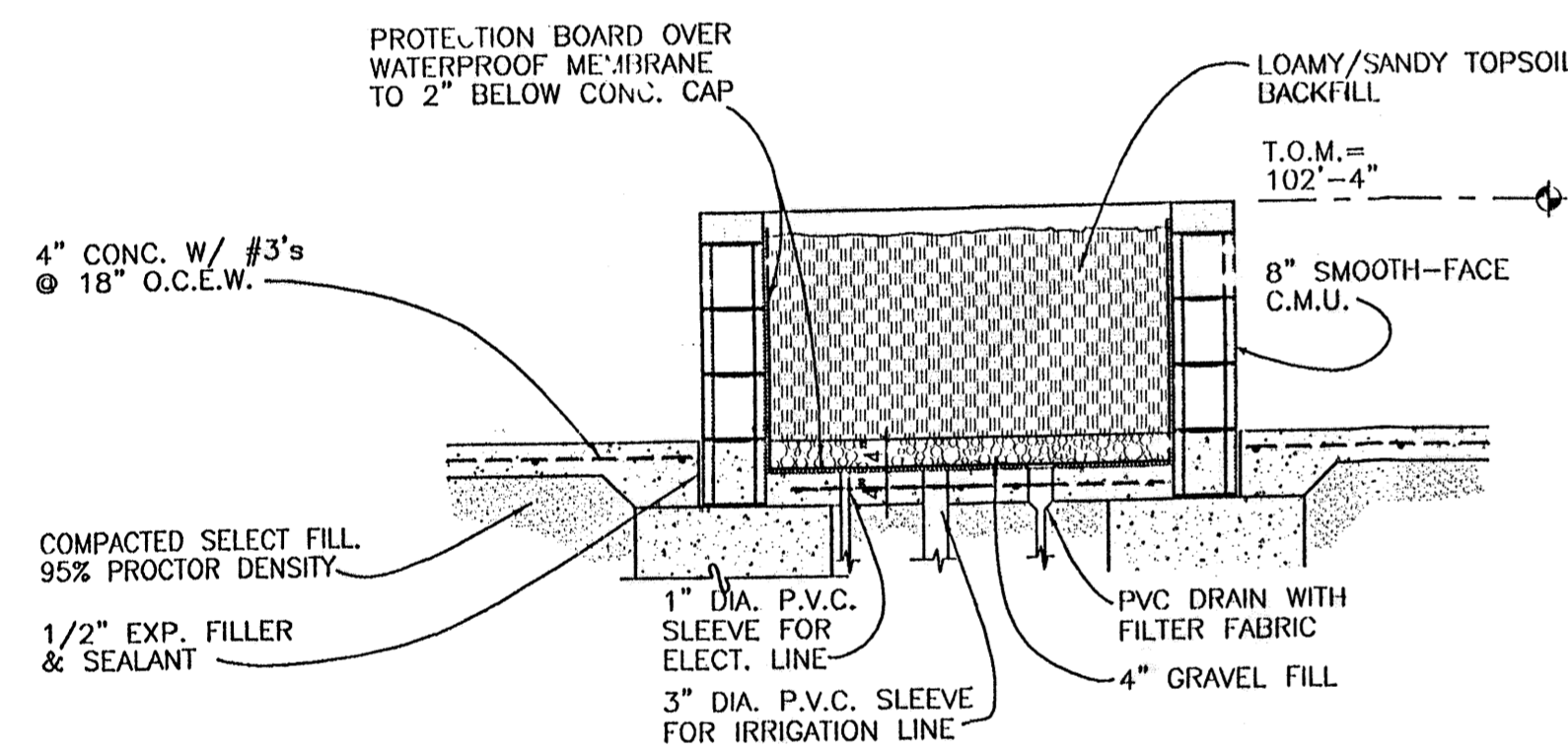


NOTE: 1. DOWEL BARS SHALL BE DRILLED INTO PAVEMENT HORIZONTALLY BY USE OF A MECHANICAL RIG. 2. DRILLING BY HAND IS NOT ACCEPTABLE, PUSHING DOWEL BARS INTO GREEN CONCRETE IS NOT ACCEPTABLE.

BUTT JOINT

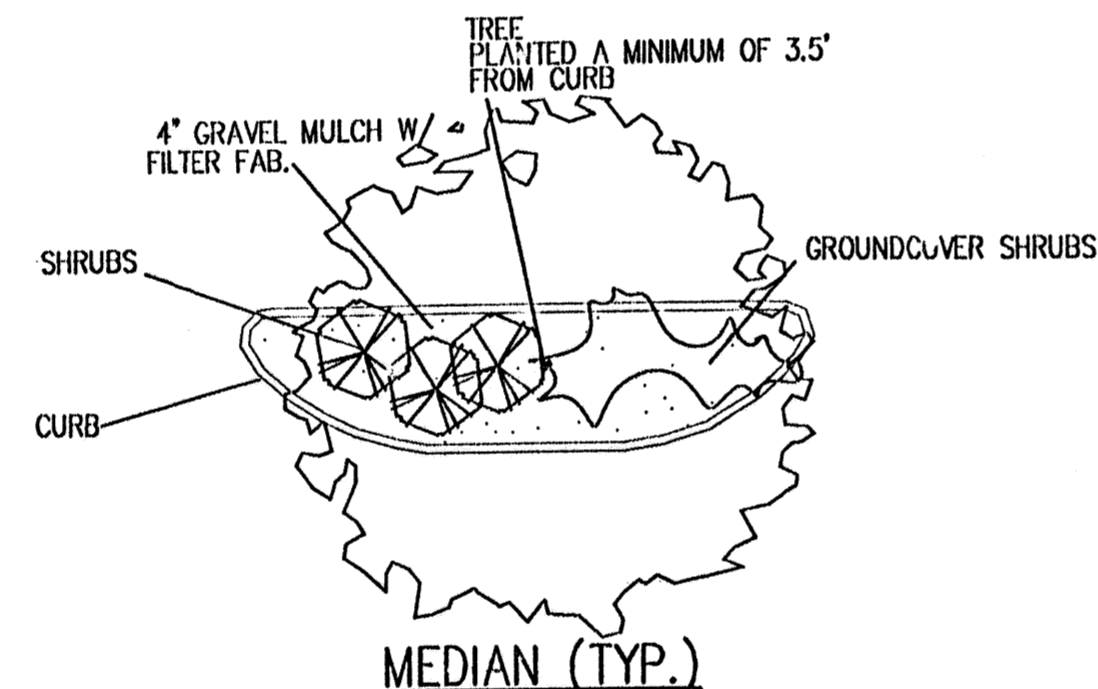
CONCRETE JOINT DETAILS

NTS

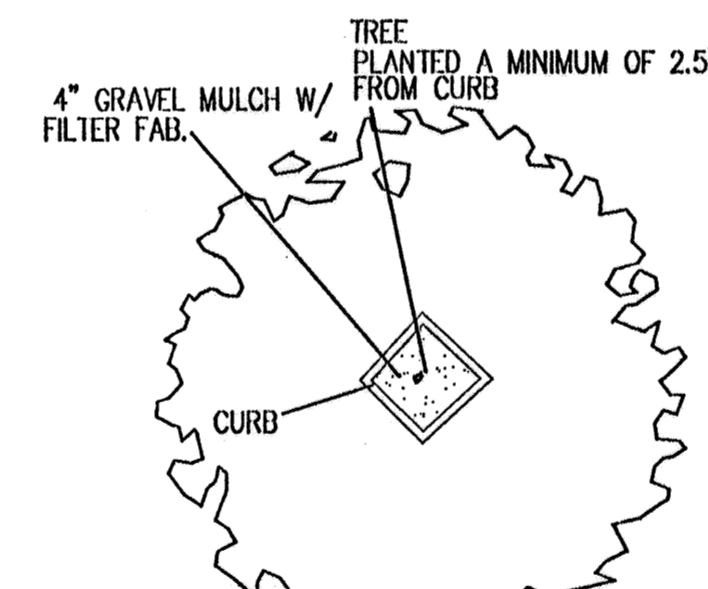


STORE FRONT TREE PLANTER DETAIL

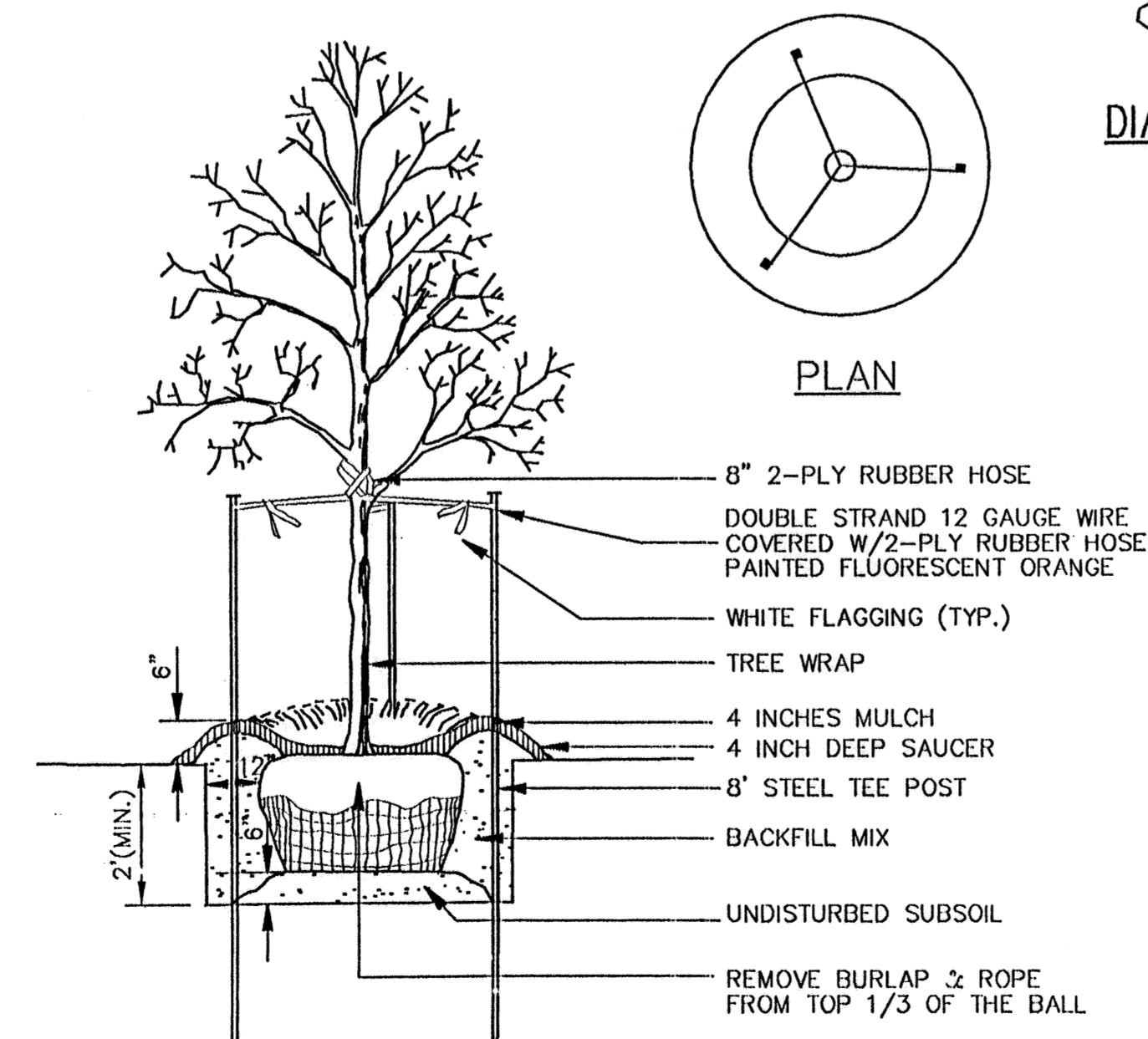
SCALE: NTS



MEDIAN (TYP.)



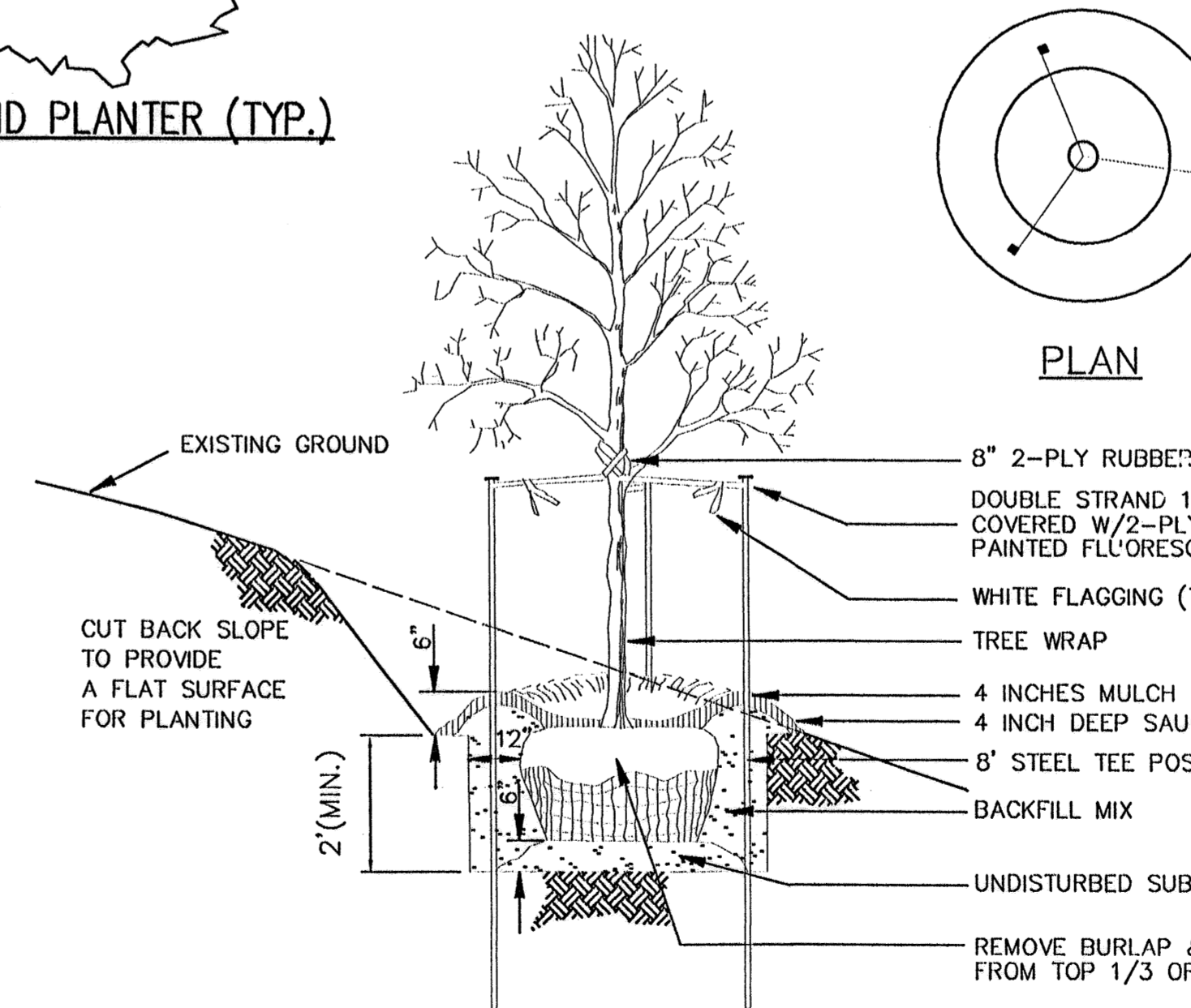
DIAMOND PLANTER (TYP.)



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

TREE PLANTING

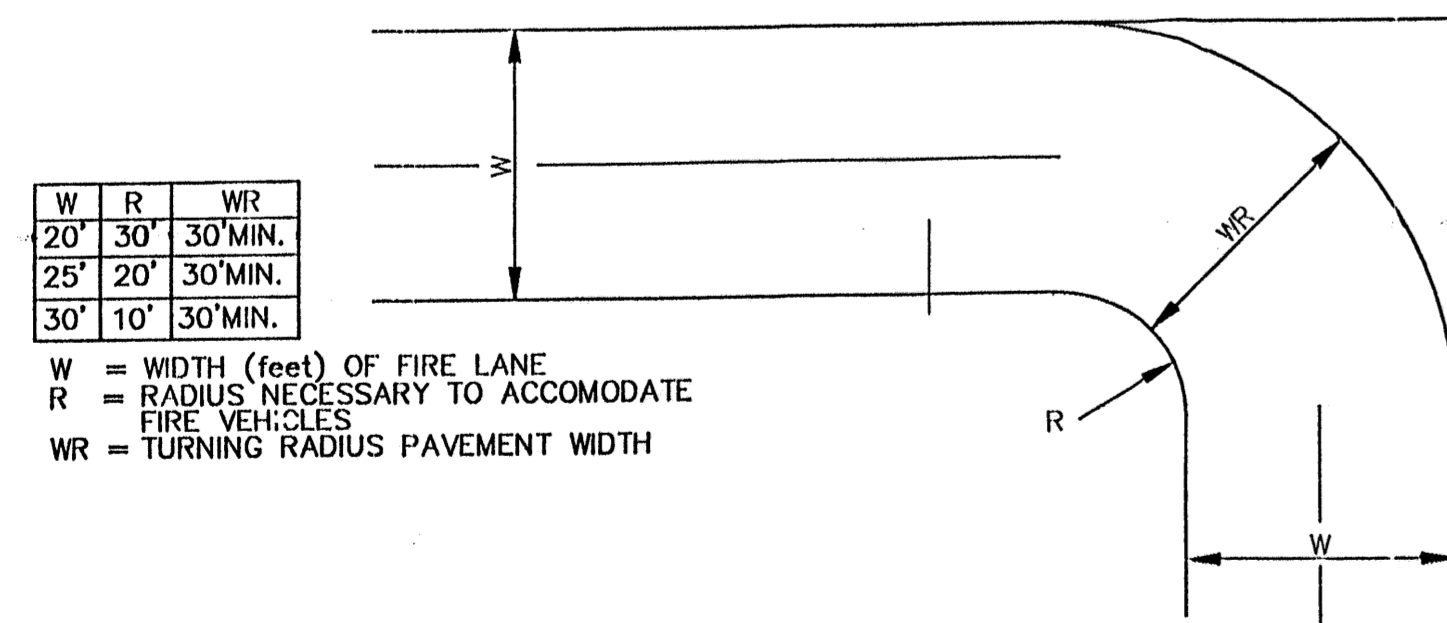
SCALE: NTS



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

TREE PLANTING ON SLOPE

SCALE: NTS



NO PARKING FIRE LANE

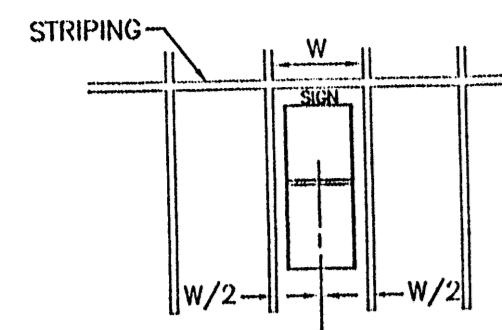
FIRE LANE STRIPING SHALL BE 6" RED STRIPES WITH 4" INCH WHITE LETTERS READING "NO PARKING FIRE LANE" STRIPING SHALL BE PLACED ON FACE OF CURB WHENEVER POSSIBLE, OR AS SPECIFIED BY LOCAL CODES.

NO PARKING FIRE LANE

"NO PARKING FIRE LANE" STRIPING ALONG FACE OF CURB

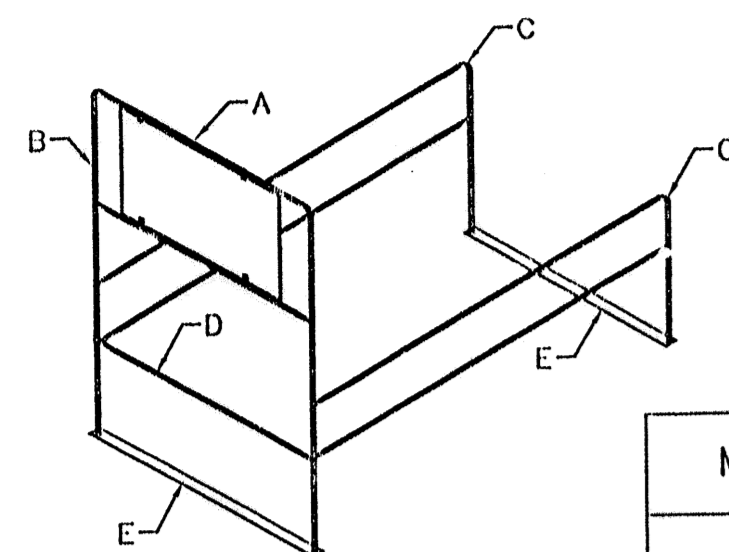
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NO.	DATE	REMARKS	BY
REVISIONS			
ENGINEER'S SEAL		ALBUQUERQUE WAL-MART EXPANSION, NM: 831-02	DRAWN BY BDG
		DETAILS	DATE 03-07-2002
			DETAILS.DWG
			SHEET #
			7
RONALD R. BOHANNAN P.E. #7868		TIERRA WEST, LLC 8509 JEFFERSON NE ALBUQUERQUE, NEW MEXICO 87113 (505)858-3100	JOB # 990031



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

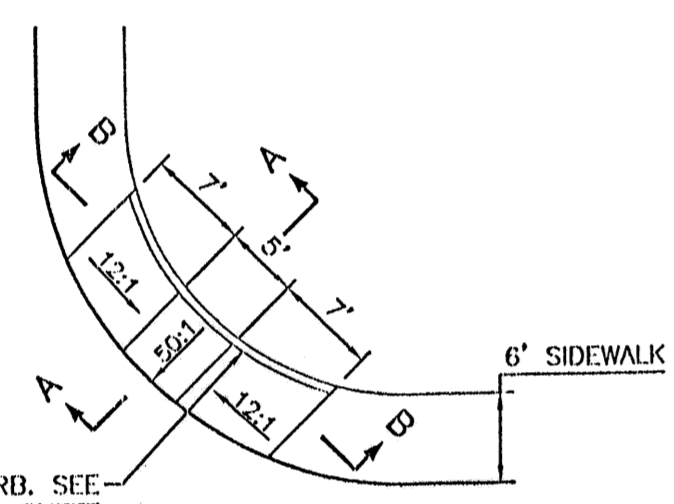
- INSTALLATION INSTRUCTIONS:**
1. Select level area in parking lot.
 2. Lay bottom plates (E) approx. 15' apart parallel.
 3. Attach side rails (C) to bottom plates (E). A top with hammer may be required.
 4. Attach stop bar (D) to inside of rail (C) with 6" bolt and lock nut (F).
 5. Mount (B) into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



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

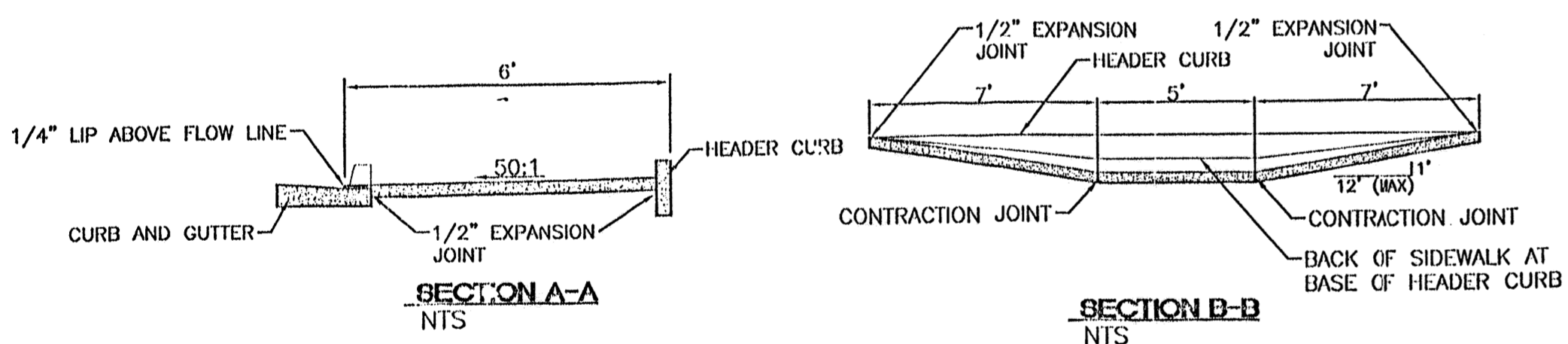
MODEL	DESCRIPTION	DIMENSIONS	APPX. CAP.	WEIGHT
102	2-BAY, 1 WAY ENTRY CORRAL W/2' x 4' UNDERHUNG SIGN	60"W x 10'D x 8'H	20 CARTS	150#
103	1-BAY, 1 WAY ENTRY CORRAL W/2' x 4' UNDERHUNG SIGN	36"W x 10'D x 8'H	10 CARTS	152#
104	3-BAY, 1 WAY ENTRY CORRAL W/2' x 4' UNDERHUNG SIGN	80"W x 10'D x 8'H	45 CARTS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

SINGLE CART CORRAL DETAIL
 NTS



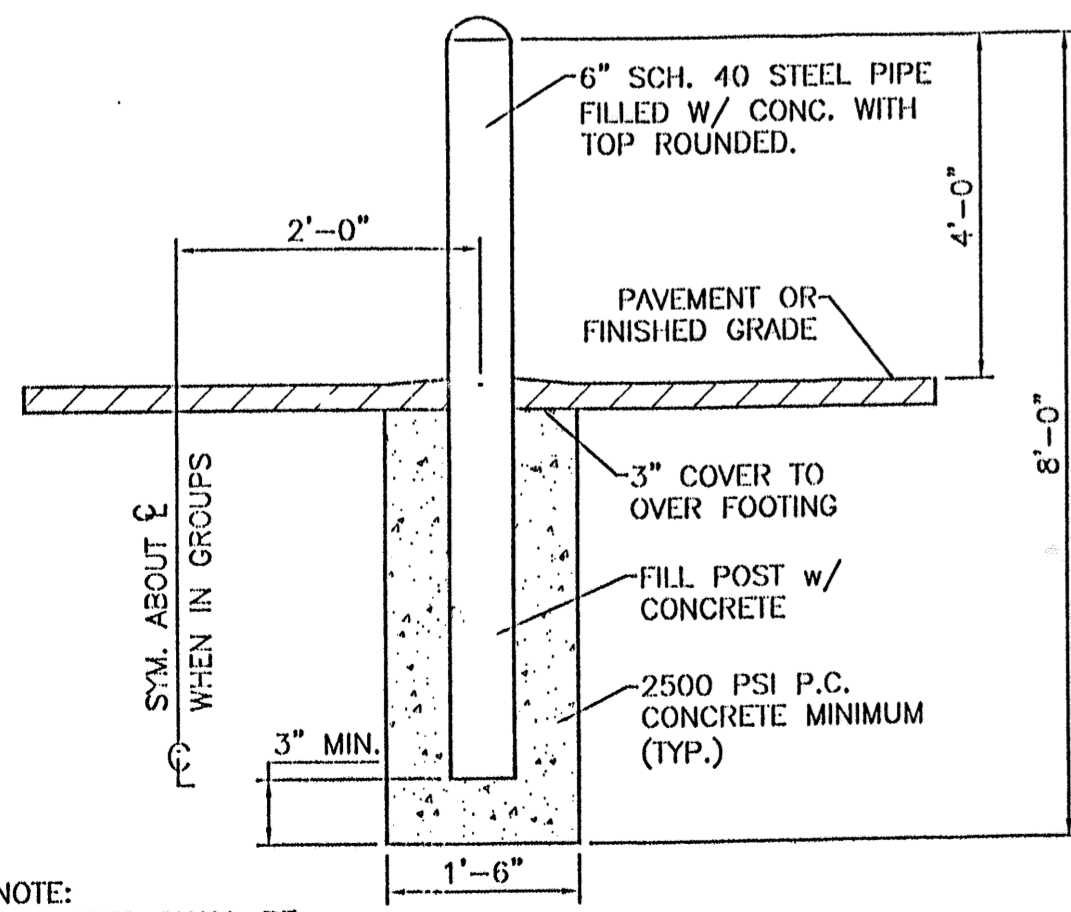
WHEEL CHAIR RAMP DETAIL (TYP.)
 NTS

- 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.



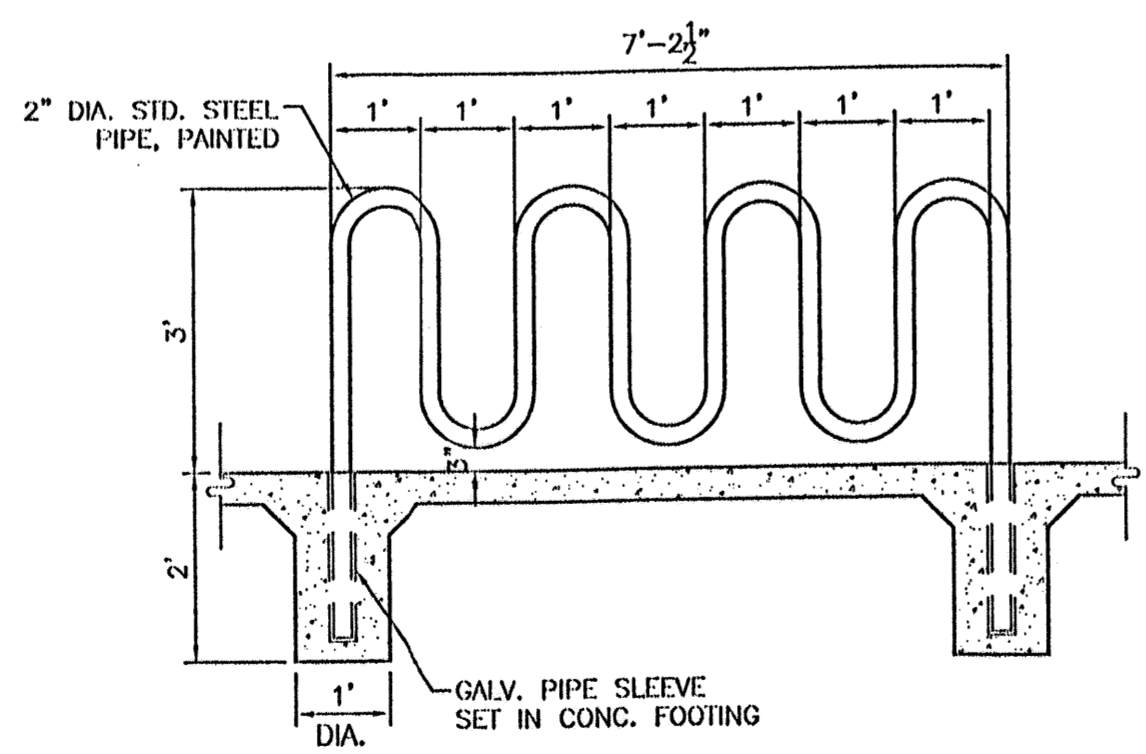
SECTION A-A
 NTS

SECTION B-B
 NTS

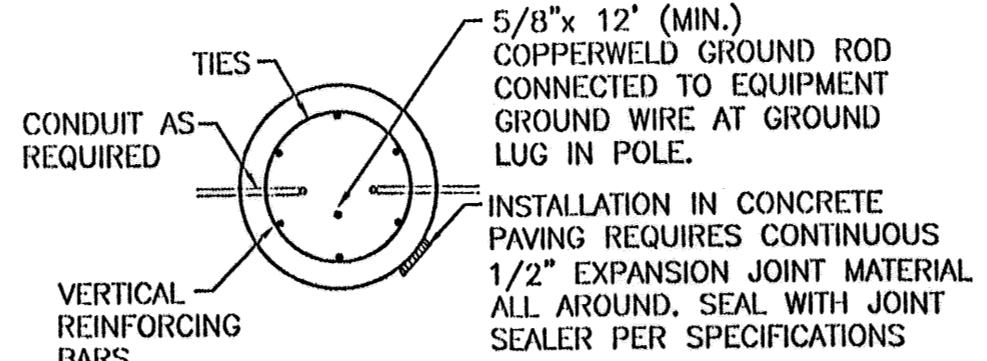


NOTE: ALL PIPES SHALL BE PAINTED TRAFFIC RED

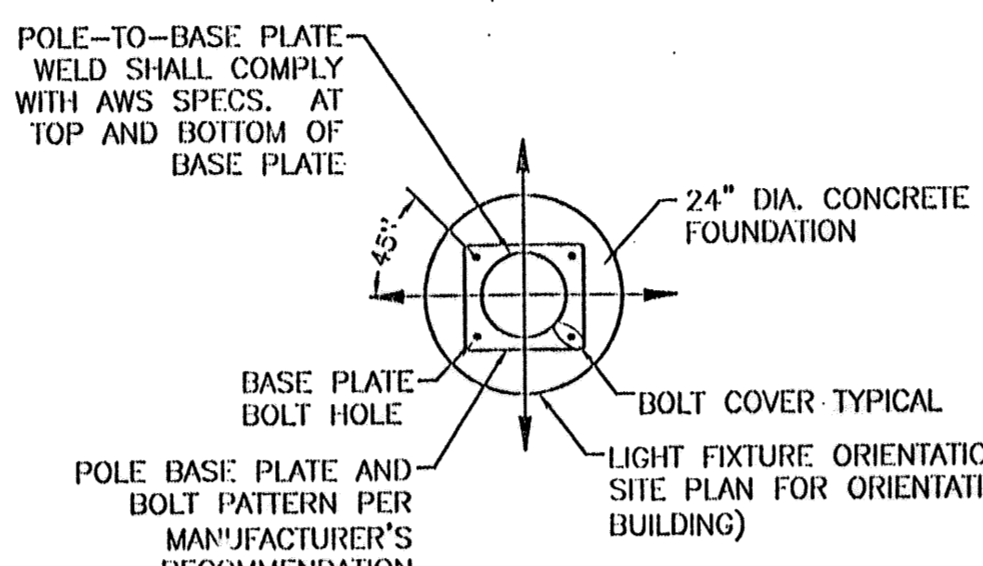
BOLLARD DETAIL
 SCALE: NTS



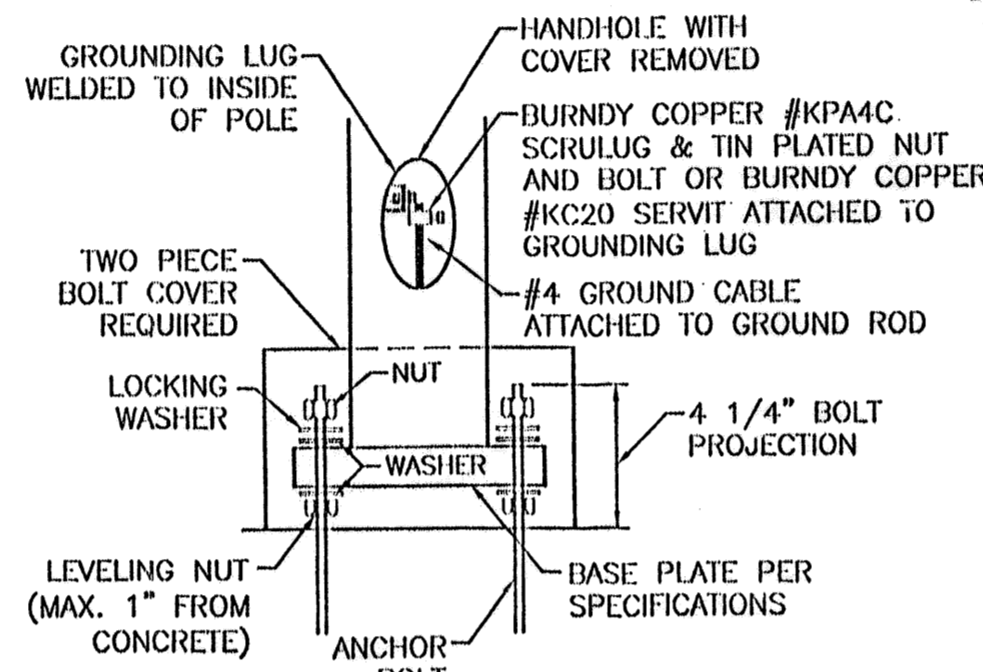
BIKE RACK DETAIL
 SCALE: 1/2"=1'



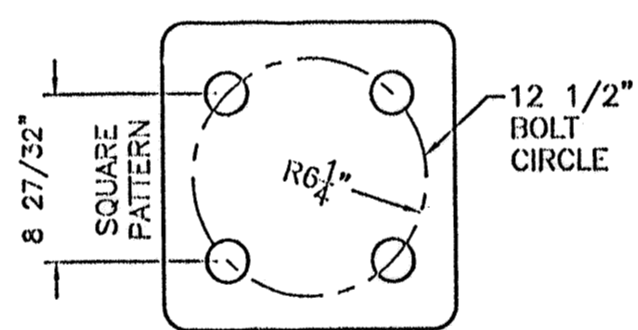
SECTION "A-A"



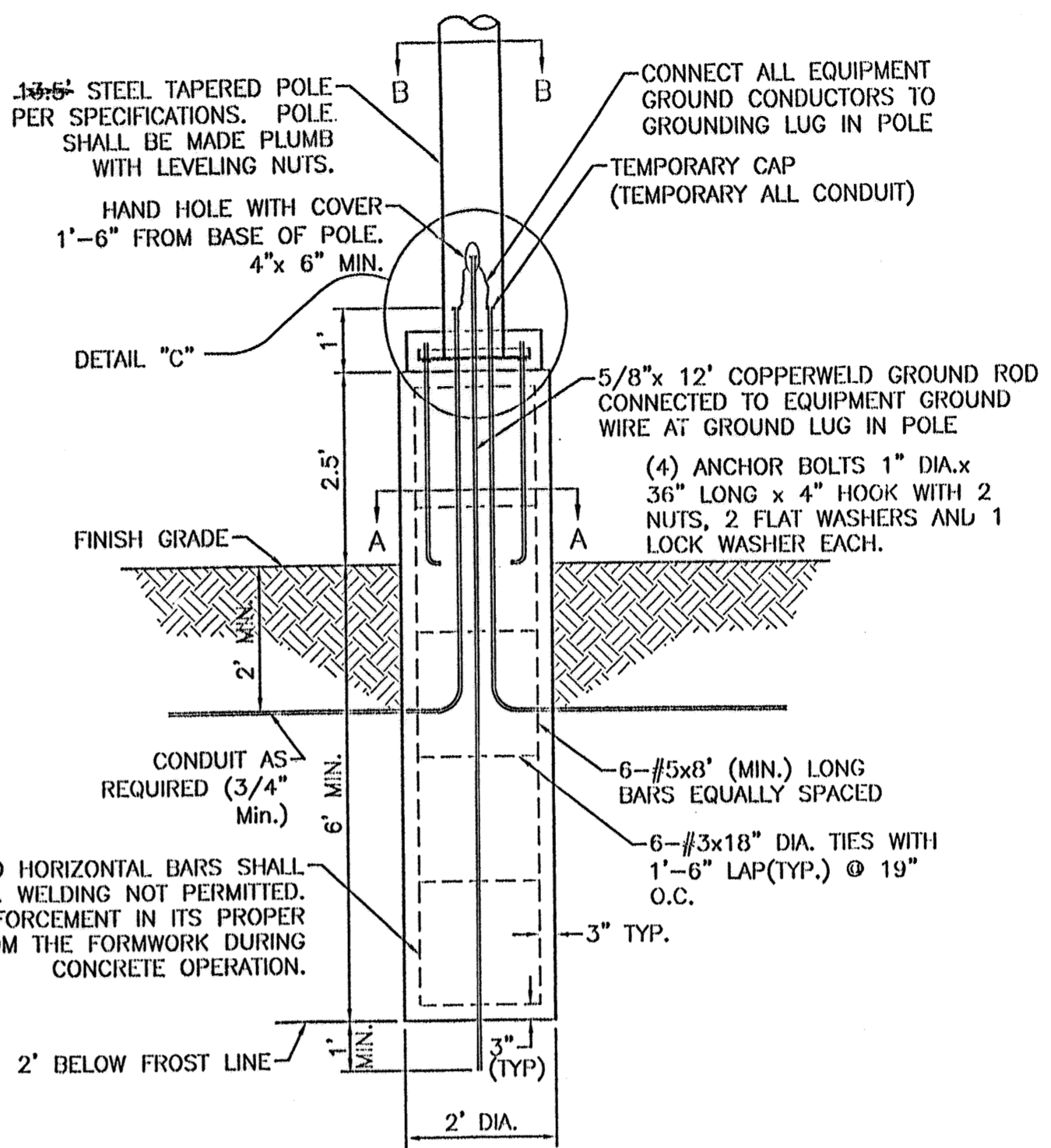
SECTION "B-B"



DETAIL "C"

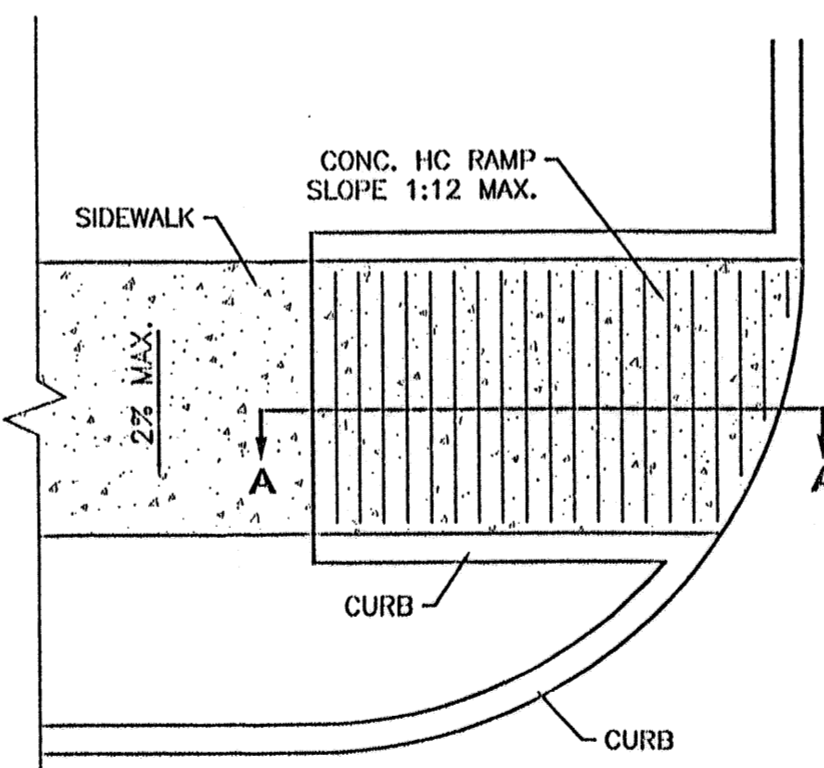


TYPICAL ANCHOR BOLT SPACING

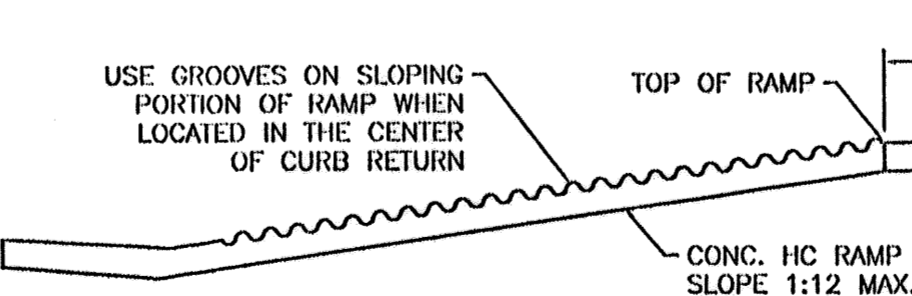


TYPICAL LIGHTING POLE BASE DETAIL
 NTS

- 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.



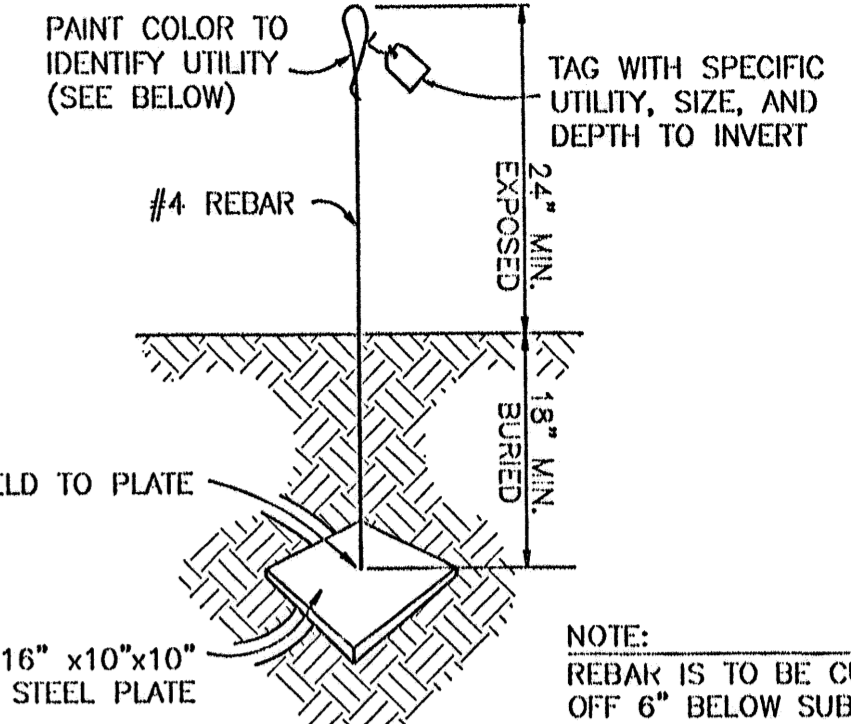
PLAN



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.

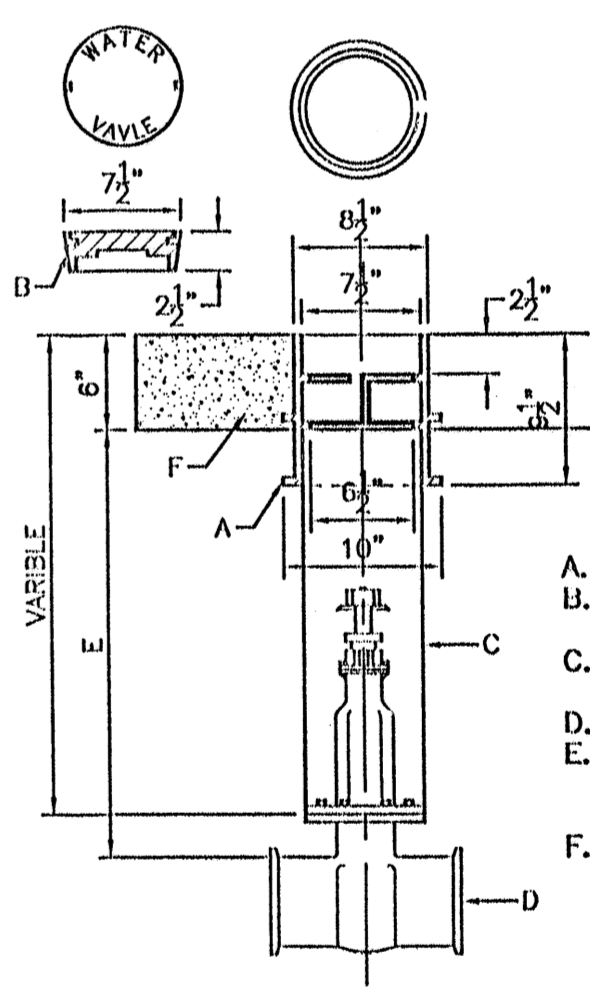


NOTE: REBAR IS TO BE CUT OFF 6" BELOW SUBGRADE AFTER UTILITY CONNECTION IS COMPLETED AND PRIOR TO PAVING

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

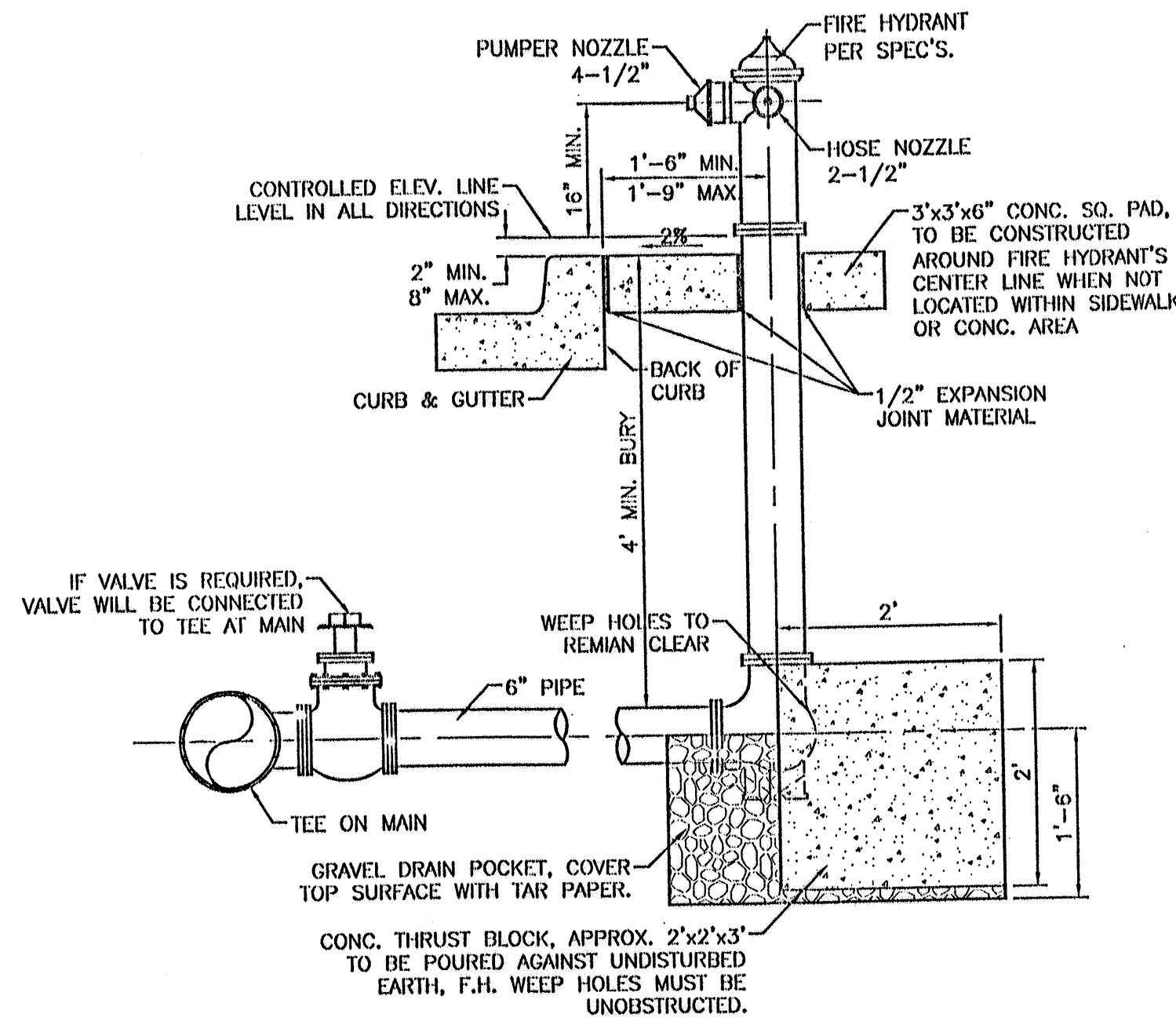
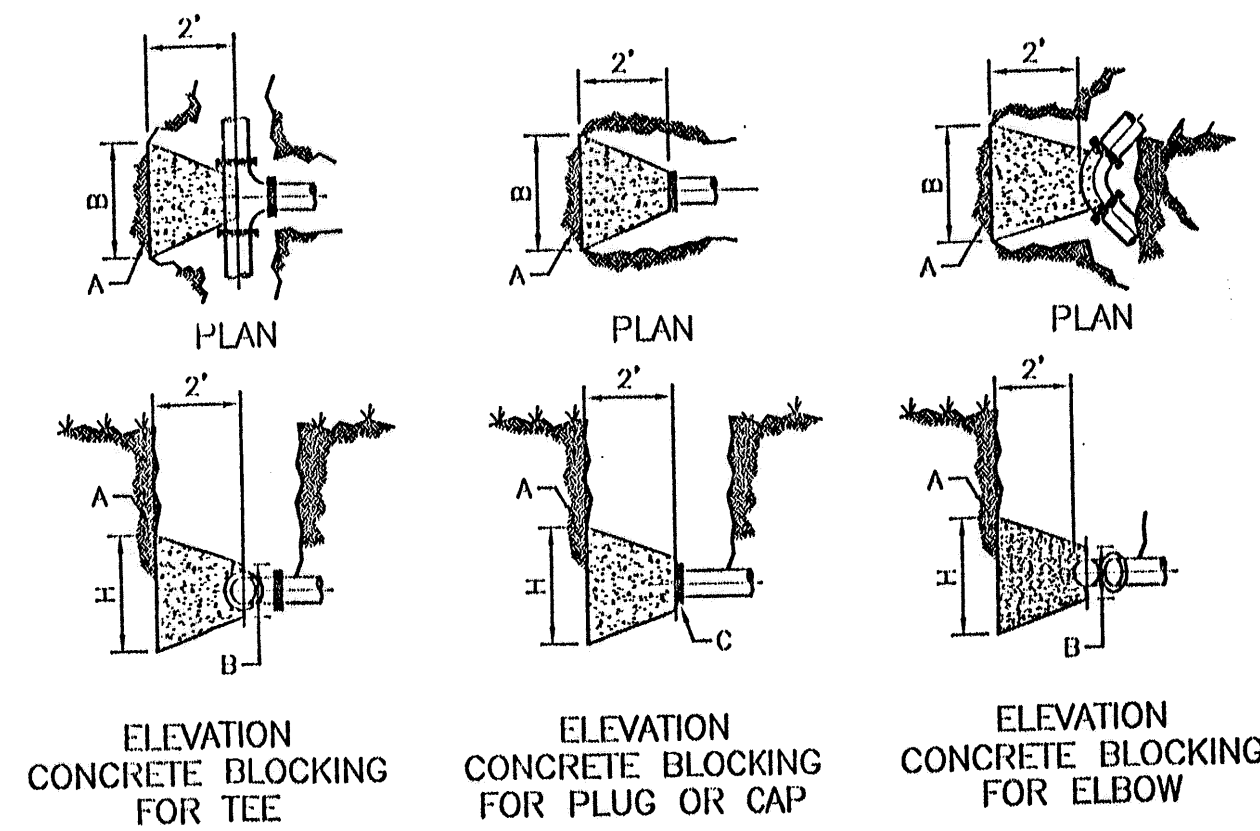
- CONSTRUCTION NOTES:**
- A. CAST VALVE BOX.
 - B. VALVE BOX LID (LOCKING LID OPTIONAL).
 - C. 6" PVC G-900 PIPE (LENGTH VARIES)
 - D. NEW OR EXISTING VALVE
 - E. COMPACTED BACKFILL, SOIL OR BASE COURSE MATERIAL (95% COMPACTION).
 - F. CONCRETE COLLAR (2"x2"x6") TO BE TAPPED IN UNPAVED ROADWAYS.

NO.	DATE	REVISIONS	BY
REVISIONS			
ENGINEER'S SEAL		ALBUQUERQUE WAL-MART EXPANSION, NM: 831-02	
DRAWN BY		BDG	
DATE		09-26-2001	
DETAILS.DWG		SHEET #	
		8	
TERRA WEST, I.L.C.		8509 JEFFERSON NE ALBUQUERQUE, NEW MEXICO 87113 (505)958-3100	
RONALD R. BOHANNAN P.E. #7868		JOB # 990031	

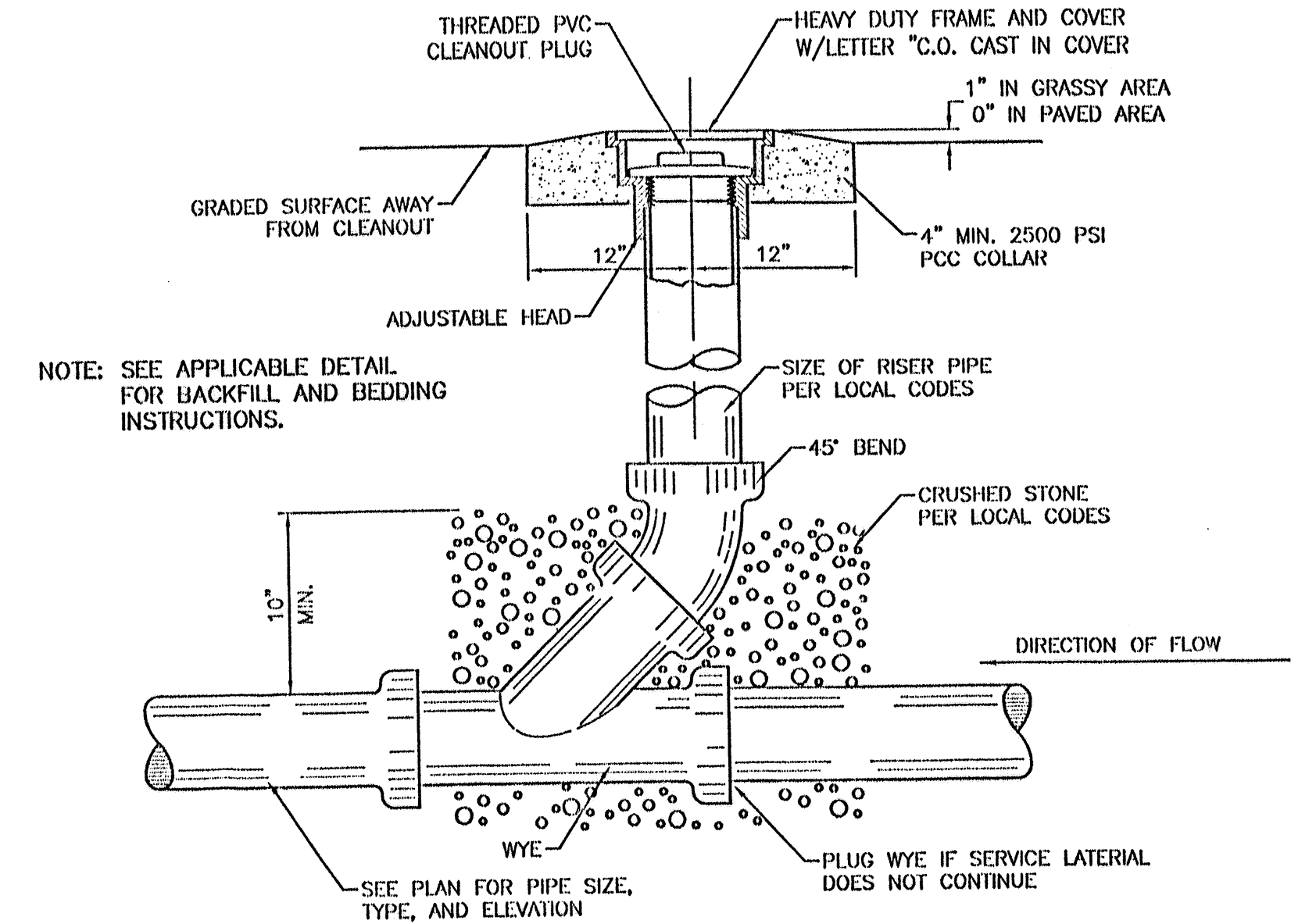
PIPE SIZE	ELBOW ANGLE	ELBOW (B) DIM.	ELBOW (H) DIM.	TEE OR PLUG (B) DIM.	TEE OR PLUG (H) DIM.
4"	90°,45°	2'	2'	2'	2'
4"	22.5°,11.25°	2'	2'	2'	2'
6"	90°,45°	2'	2'	2'	2'
6"	22.5°,11.25°	2'	2'	3'	3'
8"	90°	3'	3'	3'	3'
8"	45°	2'	2'	3'	3'
8"	22.5°,11.25°	2'	2'	3'	3'
10"	90°	3'-6"	3'-6"	3'	3'
10"	45°	3'	3'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

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

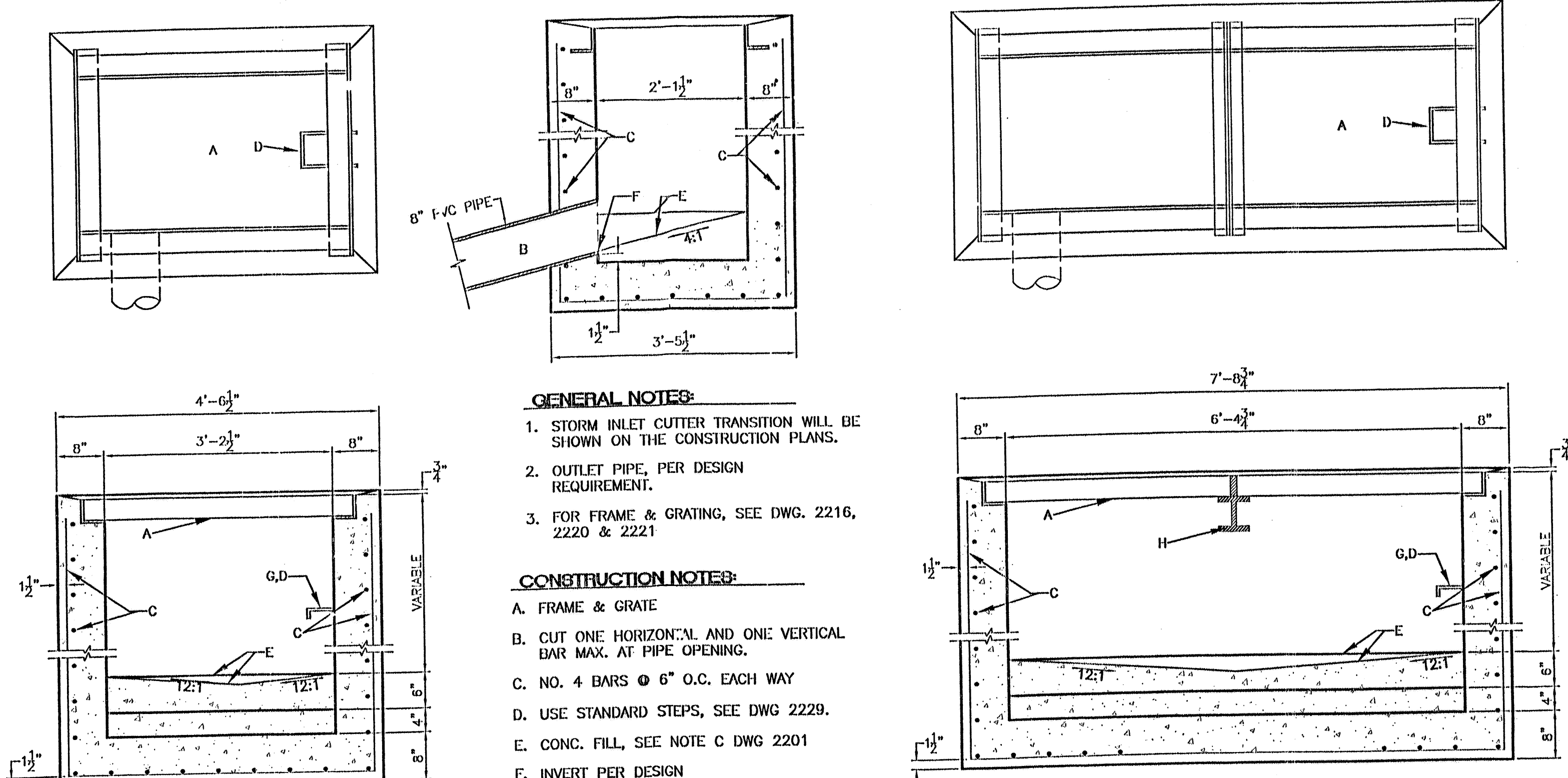
CONCRETE BLOCKING DESIGN
NTS PER COA STD DWG #2320



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

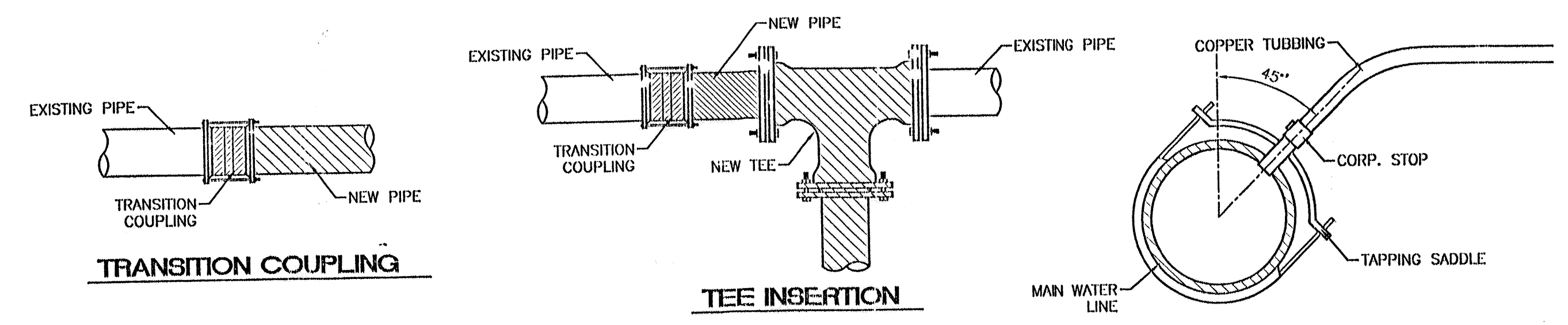
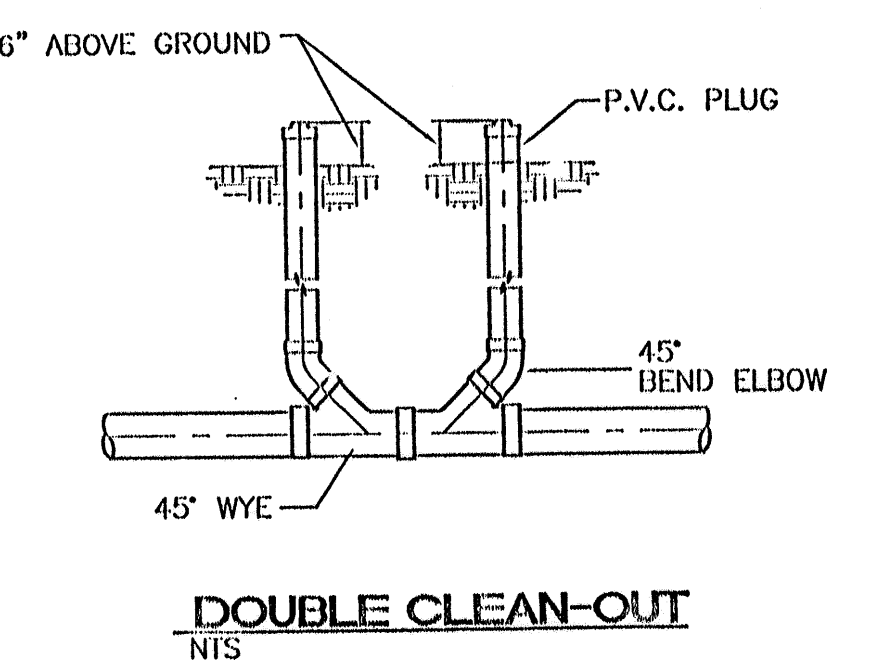


SANITARY SEWER CLEAN-OUT
NTS



- GENERAL NOTES:**
- STORM INLET CUTTER TRANSITION WILL BE SHOWN ON THE CONSTRUCTION PLANS.
 - OUTLET PIPE, PER DESIGN REQUIREMENT.
 - FOR FRAME & GRATING, SEE DWG. 2216, 2220 & 2221
- CONSTRUCTION NOTES:**
- FRAME & GRATE
 - CUT ONE HORIZONTAL AND ONE VERTICAL BAR MAX. AT PIPE OPENING.
 - NO. 4 BARS @ 6" O.C. EACH WAY
 - USE STANDARD STEPS, SEE DWG 2229.
 - CONC. FILL, SEE NOTE C DWG 2201
 - INVERT PER DESIGN
 - INSTALL STEPS ON DOWNSTREAM FACE
 - CENTER SUPPORT ASSEMBLY

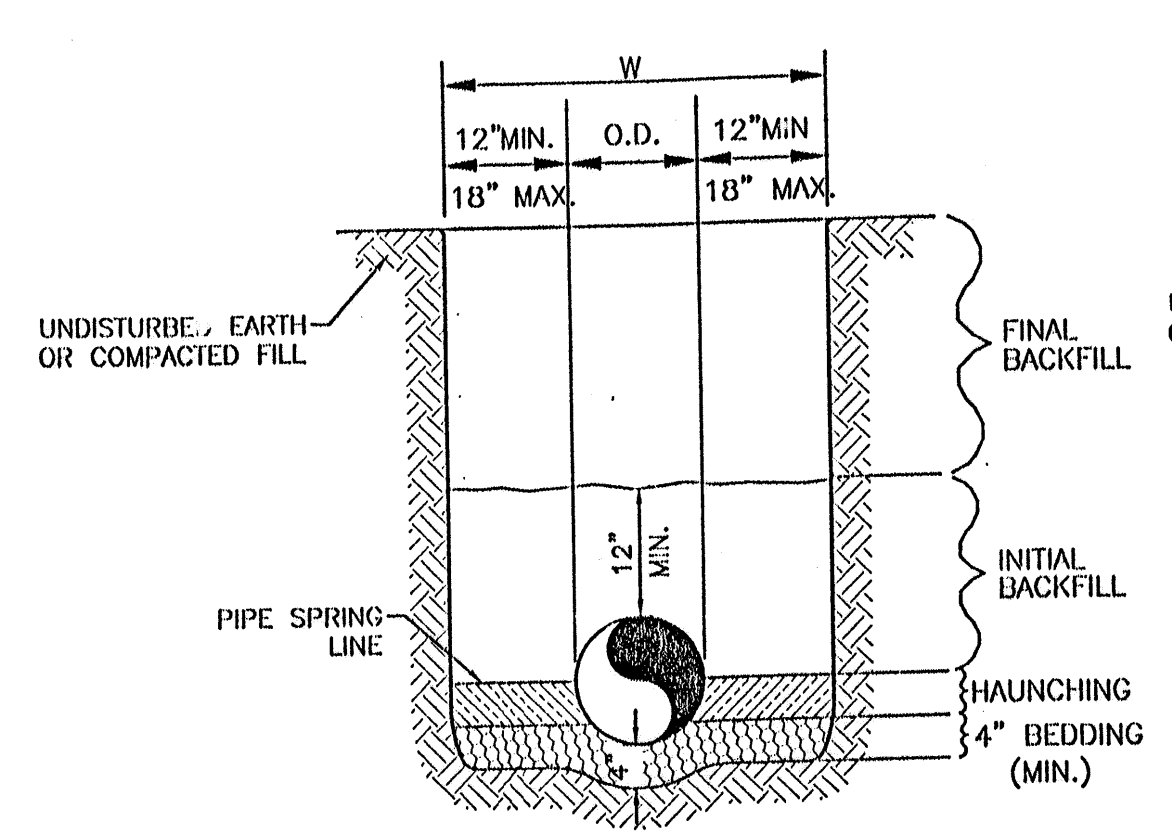
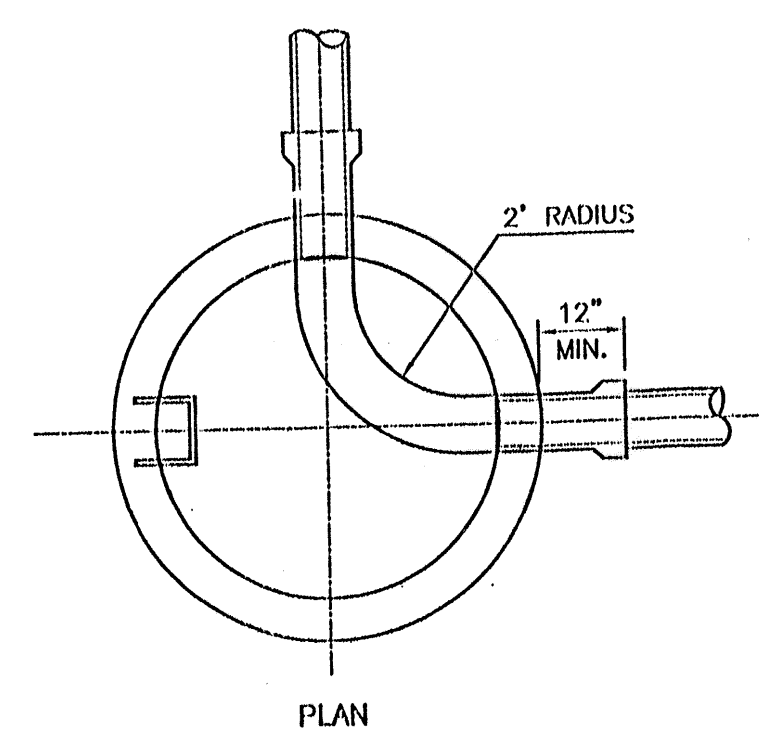
SINGLE "D" INLET
NTS PER COA STD DWG #2320



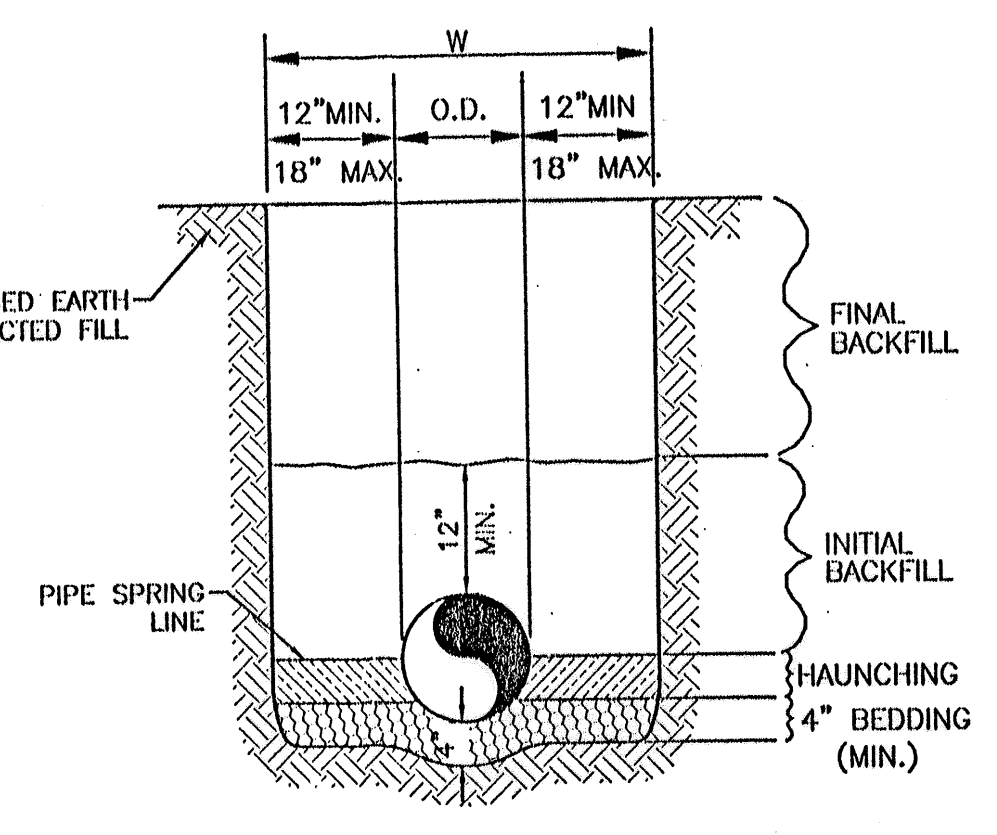
WATER CONNECTION DETAILS
NTS

SERVICE TAP CONNECTION

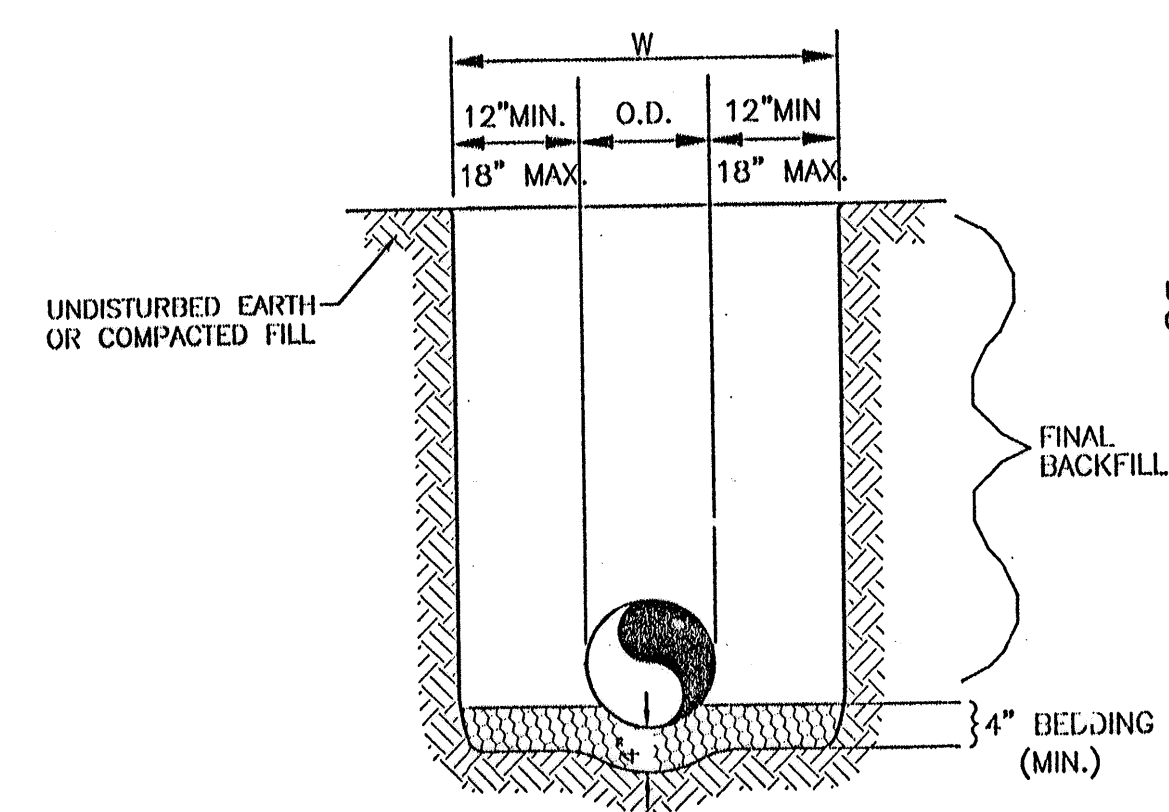
NO.	DATE	REMARKS	BY
REVISIONS			
ENGINEER'S SEAL		ALBUQUERQUE WAL-MART EXPANSION, NM: 831-02	
DRAWN BY: BDG		DATE: 09-26-2001	
DETAILS.DWG		SHEET #	
		9	
RONALD R. BOHANNAN P.E. #7868		TERRA WEST, L.L.C. 8509 JEFFERSON NE ALBUQUERQUE, NEW MEXICO 87113 (505)858-3100	
		JOB # 990031	



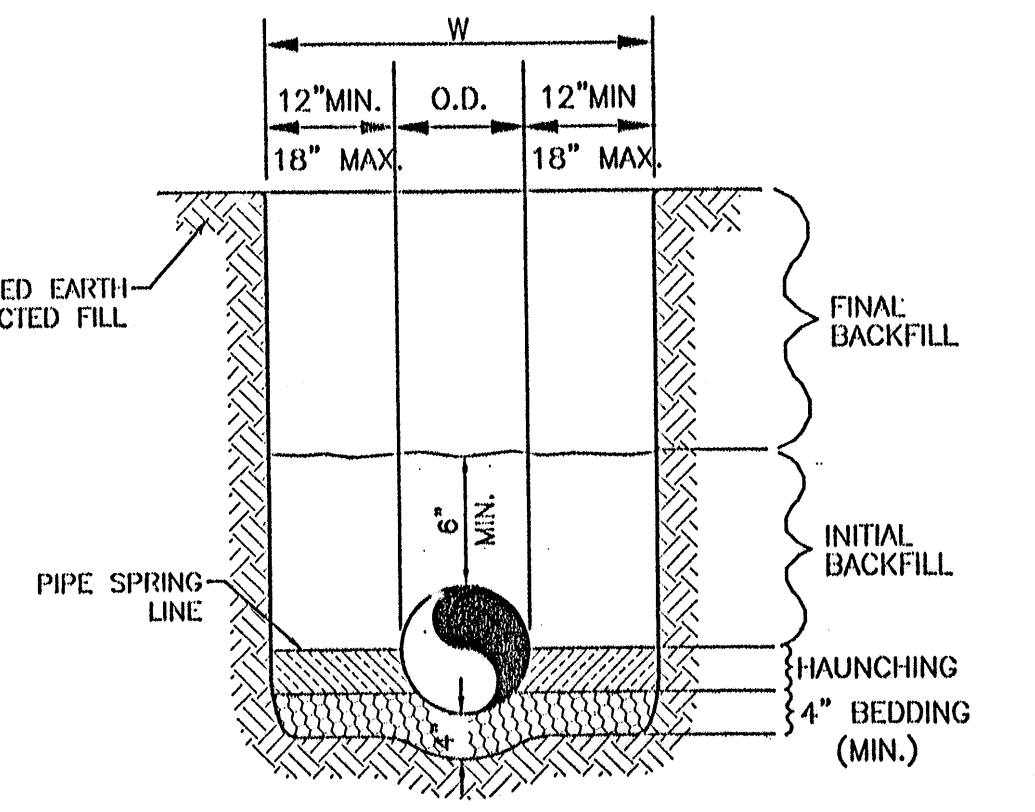
WATER LINE



SANITARY SEWER



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



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 2321-89.
- 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)

GENERAL NOTES

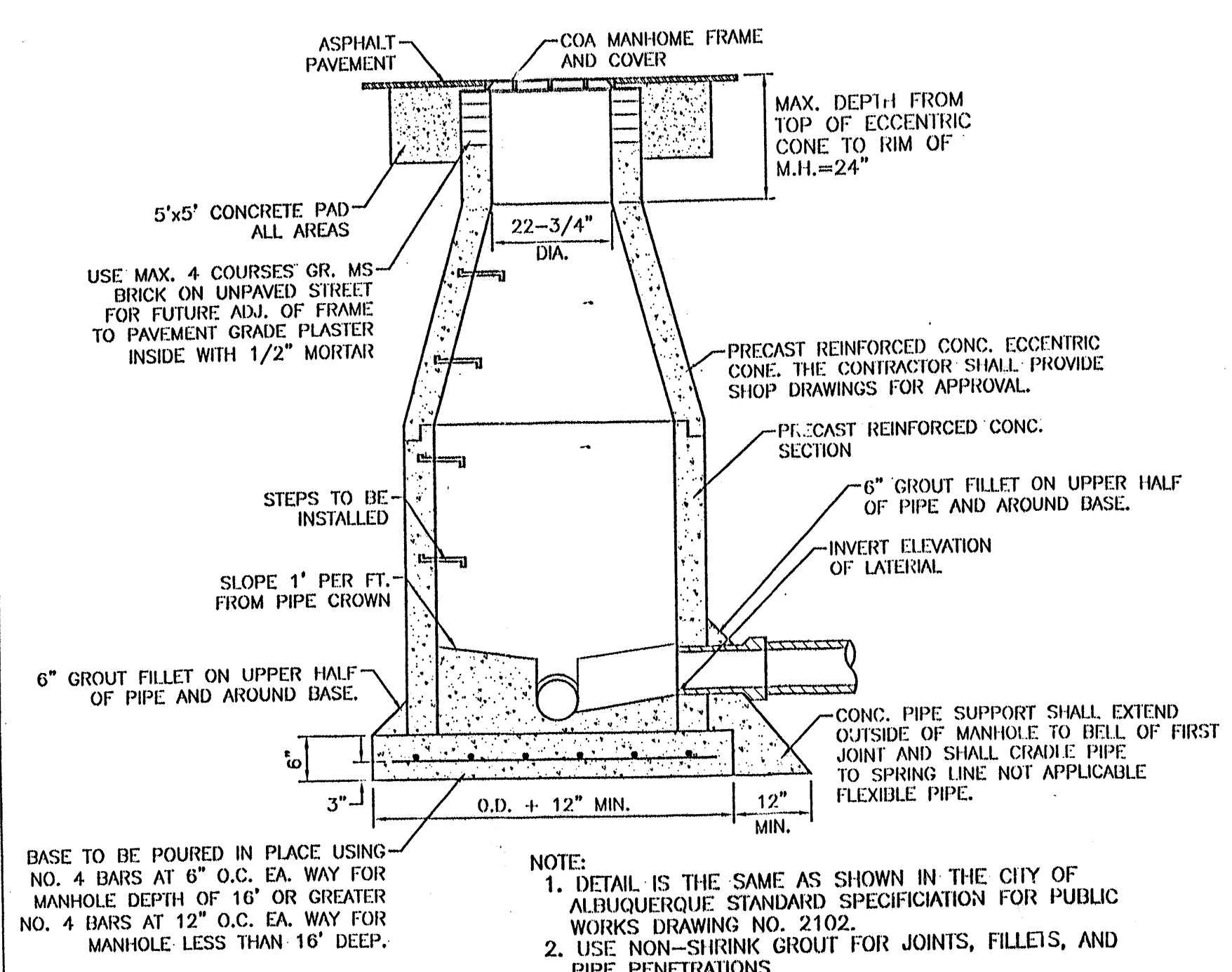
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- FINAL BACKFILL NOT UNDER PAVED AREAS CAN BE CLASS IV-A COMPACTED TO 95% STANDARD PROCTOR.
- ALL MATERIALS ARE CLASSIFIED IN ACCORDANCE WITH ASTM D 2321-LATEST EDITION.
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UTILITY TRENCH AND BEDDING DETAIL

NTS

STORM SEWER TRENCH AND BEDDING DETAIL

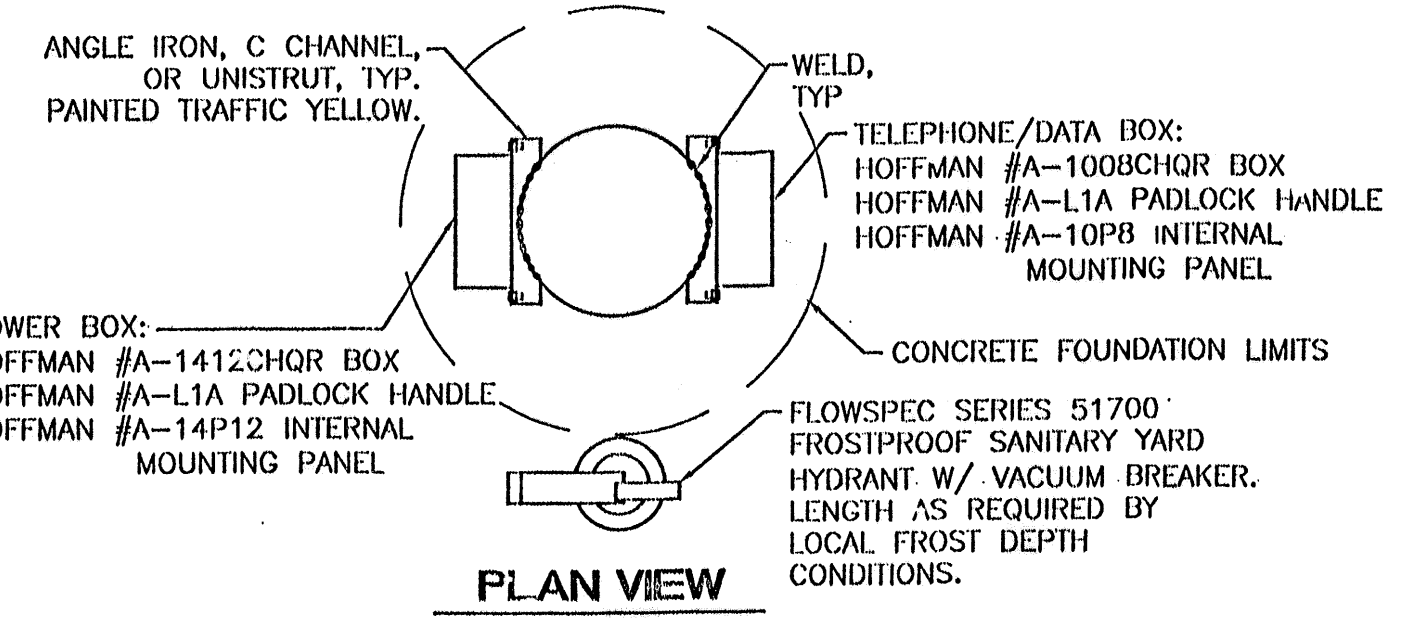
NTS



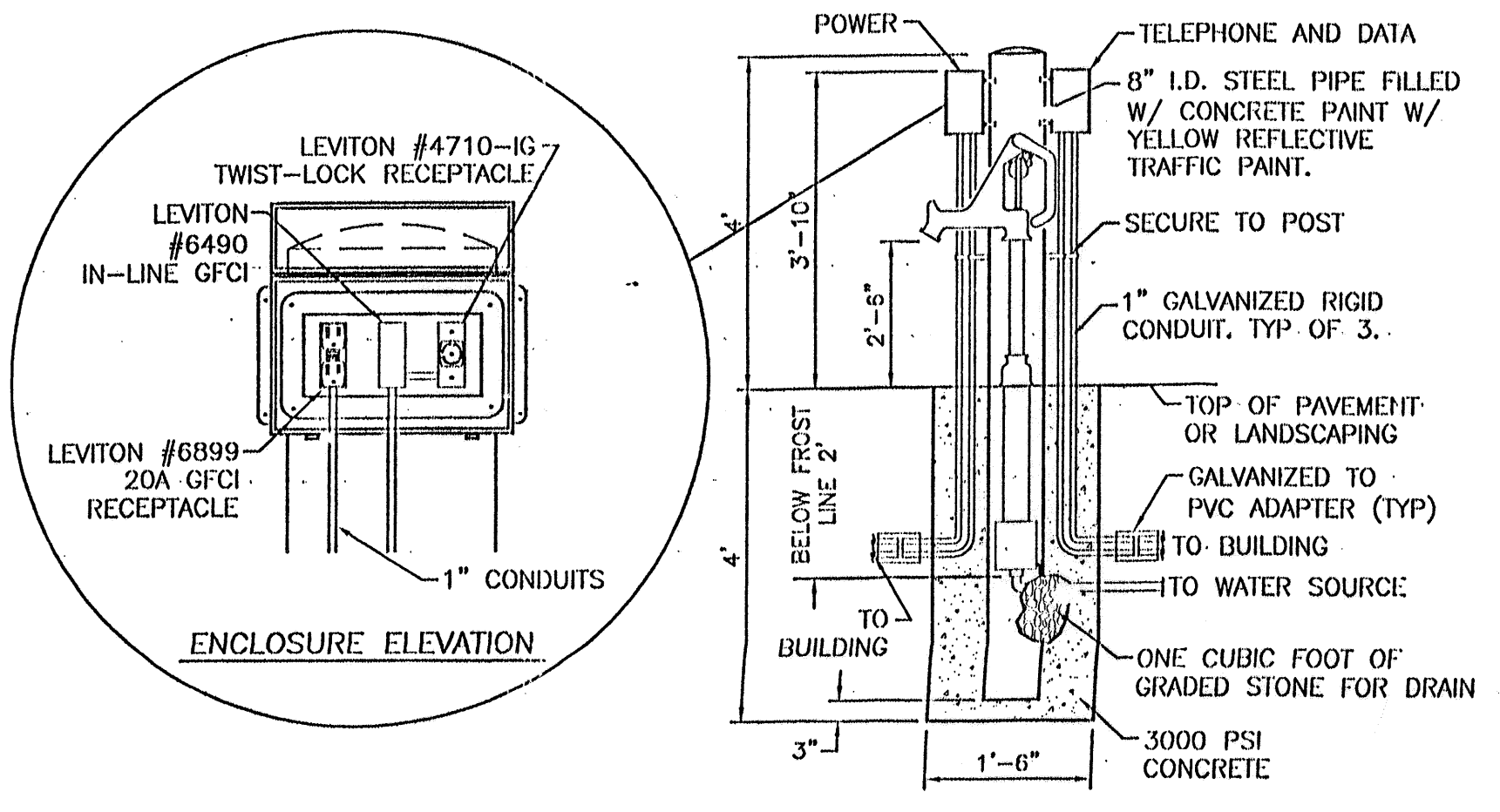
SEWER MANHOLE TYPE 'E' DETAIL

NTS

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



PLAN VIEW



REMOTE GARDEN CENTER UTILITIES BOLLARD DETAIL

NO.	DATE	REVISIONS	BY
REVISIONS			
ENGINEER'S SEAL		ALBUQUERQUE WAL-MART EXPANSION, NM-831-02	DRAWN BY BDG
		DETAILS	DATE 01/18/02
			DETAILS.DWG
			SHEET #
			10
RONALD R. BOHANNAN P.E. #7868		TERRA WEST, LLC 8509 JEFFERSON NE ALBUQUERQUE, NEW MEXICO 87113 (505)858-3100	JOB # 990031