

1. PROPOSED USE IS A RETAIL STORE. NO AUTOMOBILE SERVICE IS TO BE PERFORMED 2. SUBJECT PROPERTY WAS PREVIOUSLY CONSIDERED AS PART OF EPC #2-97-128 AND DRB #DRB-98-16. FILING DATA: VOL. 98C, FOL 1021. DOC #98008094 JAN 26, 1998. 3. REFERENCE SHOULD BE MADE TO "GEOTECHNICAL ENGINEERING REPORT" PREPARED BY TERRACON, DATED OCTOBER 13, 2004. 4. THE DEVELOPER IS RESPONSIBLE FOR THE IMPROVEMENTS TO THE TRANSPORTATION FACILITIES ADJACENT TO THE PROPOSED SITE DEVELOPMENT PLAN FOR BUILDING PERMIT. THOSE IMPROVEMENTS WILL INCLUDE ANY ADDITIONAL RIGHT—OF—WAY REQUIREMENTS, PAVING, CURB AND GUTTER, SIDEWALKS AND ADA ACCESSIBLE RAMPS THAT HAVE NOT ALREADY BEEN PROVIDED FOR. ALL PUBLIC INFRASTRUCTURE CONSTRUCTED WITHIN PUBLIC RIGHT—OF—WAY OR PUBLIC EASEMENTS SHALL BE TO GITY STANDARDS. THOSE STANDARDS WILL INCLUDE BUT ARE NOT LIMITED TO SIDEWALKS, DRIVEWAYS, PRIVATE ENTRANCES AND WHEEL CHAIR RAMPS.

SITE DATA:

SITE AREA= 0.7279 ACRES ZONING = SU-1, C-2 USES

PARKING REQUIREMENTS: 1 SPACE PER 200 SF: **PARKING REQUIRED = 30 SPACES** PARKING PROVIDED = 30 SPACES HC PARKING REQUIRED = 2 SPACES HC PARKING PROVIDED = 2 SPACES MOTORCYCLE SPACE REQUIRED = 1

MOTORCYCLE SPACE PROVIDED = 1

10' LANDSCAPE STRIP REQUIRED 15% OF PAVED AREAS REQUIRED TO BE LANDSCAPED. PARKING SPACES ARE TO BE NO MORE THAN 100 FEET FROM A TREE.

MAX. BLDG HEIGHT = 25' **MAX FAR = 0.35** FAR = 0.19

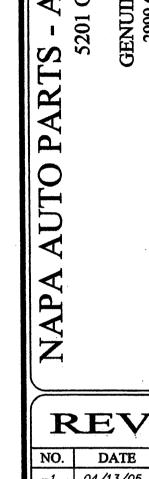
AREA OF SITE (TOTAL LOT AREA) NET LOT AREA LANDSCAPED AREA REQUIRED ON SITE ±0.73 ACRES ±0.59 ACRES 15% AMOUNT OF LANDSCAPED AREA REQUIRED (15%) (0.59×0.15) ±0.088 ACRES ±0.20 ACRES (33%) AMOUNT OF LANDSCAPED AREA PROVIDED OFF STREET PARKING AREA LANDSCAPING

BEFORE YOU DIG UTILITIES PROTECTION CENTER

PERSONS USING THIS DRAWING SHALL MAKE THEIR OWN DETERMINATION OF THE LOCATION, DEPTH, AND DESCRIPTION OF UNDERGROUND AND OVERHEAD UTILITIES. THE UTILITY INFORMATION SHOWN HEREON WAS OBTAINED FROM READILY AVAILABLE SOURCES BELIEVED TO BE ACCURATE OR COMPLETE. EXCAVATION OR ELECTRIC DETECTION METHODS WERE NOT USED TO VERIFY THE INFORMATION. NEW MEXICO ONE CALL SYSTEM (505) 260-1990

THROUGHOUT NEW MEXICO THREE WORKING DAYS BEFORE YOU DIG

24 HOUR CONTACT: JEFF YEARWOOD (770) 956-2609



REVISIONS -1 04/13/05 CO C.O.A. COMMENTS -2 | 06/28/05 | CO | EPC PRELIM. MEETING COMMENTS -3 08/1/05 TM SEPC FINAL MEETING COMMENTS -4 9/10/05 TM ADDRESS CHANGE

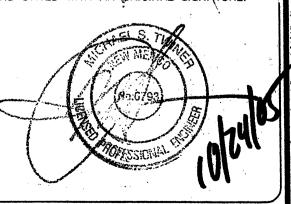
DRB COMMENTS

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BUILDING SITE

1" = 20'

SCALE: OCT. 13, 2004 DATE:





GENERAL NOTES:

- 1. IF THE CONTRACTOR, IN THE COURSE OF THE WORK, FINDS ANY DISCREPANCIES BETWEEN THE PLANS AND THE PHYSICAL CONDITIONS OF THE LOCALITY, OR ANY ERRORS OR OMISSIONS IN THE PLANS OR IN THE LAYOUT AS GIVEN BY THE ENGINEER, IT SHALL BE HIS DUTY TO IMMEDIATELY INFORM THE ENGINEER, IN WRITING, AND THE ENGINEER WILL PROMPTLY VERIFY THE SAME. ANY WORK DONE AFTER SUCH A DISCOVERY, UNTIL AUTHORIZED, WILL BE AT THE CONTRACTOR'S RISK.
- THE EXISTING UTILITIES SHOWN ON THE PLANS HAVE BEEN PREPARED FROM THE INFORMATION AVAILABLE TO THE ENGINEER AND MAY
 NOT BE ACCURATE TO EXTENT OR LOCATIONS, PRIOR TO BEGINNING ANY WORK, THE CONTRACTOR SHALL NOTIFY UTILITIES AND THEN
 MARK OR REMARK THEIR FACILITIES.
- 3. THE CONTRACTOR SHALL PRESERVE AND PROTECT ALL EXISTING VEGETATION WHICH DOES NOT UNREASONABLY INTERFERE WITH CONSTRUCTION.
- THE CONTRACTOR SHALL CAREFULLY PRESERVE BENCH MARKS, REFERENCE POINTS AND STAKES.
- . THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS AND LICENSES FOR EXECUTION OF ALL MATERIALS AND THE EXECUTION OF THE WORK SHALL BE IN ACCORDANCE WITH THE STATE, AND LOCAL CODES, RULES, AND REGULATIONS.
- 6. DETENTION FACILITIES AND EROSION CONTROL MEASURES ARE TO BE ACCOMPLISHED PRIOR TO ANY OTHER CONSTRUCTION ON THE SITE AND MAINTAINED UNTIL PERMANENT GROUND COVER IS ESTABLISHED.
- TESTING SHALL BE PERFORMED OR PROVIDED BY THE CONTRACTOR UNLESS OTHERWISE NOTED.
- 8. SHORING SHALL BE DONE AS NECESSARY FOR THE PROTECTION OF THE WORK AND FOR THE SAFETY OF PERSONNEL. SHORING SHALL BE IN ACCORDANCE WITH SECTION 7 OF THE MANUAL OF ACCIDENT PROTECTION IN CONSTRUCTION AS PUBLISHED BY THE ASSOCIATED GENERAL CONTRACTORS OF AMERICA, OSHA, AND THE LOCAL REGULATIONS.
- 9. CLEAN-OUTS WILL BE PROVIDED AT ALL TURNING POINTS ON LATERAL LINES.
- 10. ALL WALLS SHOWN ARE TO BE MODULAR BLOCK UNLESS OTHERWISE SHOWN. ALL WALLS 30 INCHES IN HEIGHT OR GREATER SHALL HAVE PROTECTING RAIL. THE CLIENT SHALL BE RESPONSIBLE FOR WALL STRUCTURAL DESIGN, DETAILS, CALCULATIONS, APPROVALS, PERMITS, FEES, INSPECTIONS AND CERTIFICATIONS REQUIRED BY THE GOVERNING AUTHORITY.
- 11. ALL WALL TOPS TO BE SIX INCHES (6") ABOVE GRADE UNLESS OTHERWISE NOTED.
- 12. MAXIMUM CUT OR FILL SLOPES: 2H: 1V. SLOPES STEEPER THAN 2.5:1 AND WITH A HEIGHT OF 10' OR GREATER AND CUTS AND FILLS WITHIN STREAM BUFFERS SHALL BE STABILIZED WITH APPROPRIATE MATTING OR BLANKETS.
- 13. INDICATED GRADES ARE FINISHED GRADES.14. ALL PARKING LOTS ARE MEASURED FROM FACE OF CURB TO FACE OF CURB.
- 15. ALL WATER VALVES TO BE THE SAME SIZE AS INDICATED WATER LINES.
- 16. CONSTRUCTION EQUIPMENT SHALL NOT BE PARKED IN RIGHT-OF-WAY, AND MUST BE STORED WITHIN THE SITE.

SITE INFORMATION

- 1. TOTAL SITE AREA IS 0.7279 ACRES IN LOT B-1-B, MCBARK SUBDIVISION, CITY OF ALBUQUERQUE, BERNA COUNTY, NEW MEXICO.
- 2. CURRENT ZONING FOR THIS SITE IS SU-1, C-2 USES.
- 3. BOUNDARY AND TOPOGRAPHIC INFORMATION PROVIDED BY ALTA/ACSM LAND TITLE SURVEY, PREPARED BY HALL SURVEY CO., DATED OCT. 15, 2004.
- 4. THE VERTICAL DATUM FOR THIS PROJECT IS BASED ON ACSM "12-H11" NEW MEXICO STATE PLANE GRID COORDINATES (CENTRAL ZONE) X=365168.46, Y=1497456.42 WITH ELEVATION 5102.169.
- 5. LOT B-1-B, MCBARK SUBDIVISION, FALLS IN ZONE "X" AREAS DETERMINED TO BE OUTSIDE OF 500-YEAR FLOODPLAIN PER F.I.R.M. PANEL 327 OF 825, MAP NO. 35001C032, EFFECTIVE DATE SEPTEMBER 20, 1996.

ALL EROSION AND SEDIMENTATION CONTROLS AND TREE PROTECTION MEASURES SHALL BE INSTALLED PRIOR TO GRADING.

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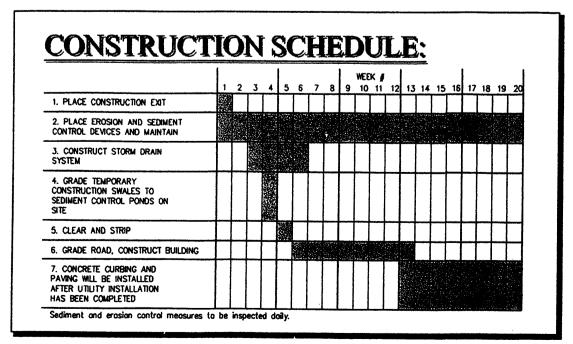
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24 HOUR CONTACT: JEFF YEARWOOD (770) 956-2609

NAPA AUTO PARTS

NAPA AUTO PARTS - ALBUQUERQUE, NEW MEXICO

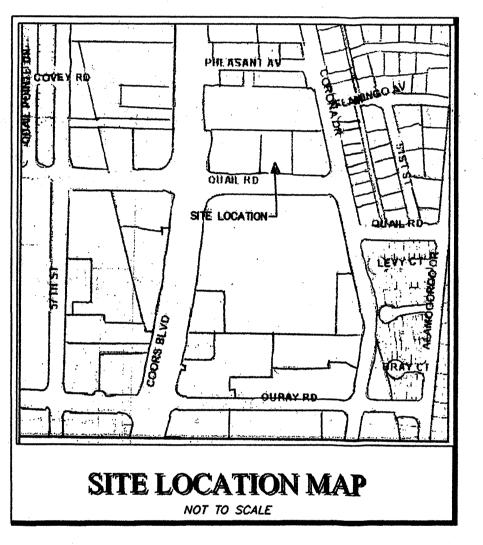
FOR:

GENUINE PARTS COMPANY 2999 CIRCLE 75 PARKWAY ATLANTA, GEORGIA 30339 PHONE: 770-956-2609

PREPARED BY:



350 RESEARCH COURT ■ NORCROSS, GEORGIA 30092 ■ (770)451-2741 ■ FAX (770)451-3915 ■ WWW.PECATL.COM



SHEET # 1	COVER SHEET
SHEET # 2	ALTA/ACSM LAND TITLE SURVEY
SHEET #3	SITE PLAN
SHEET # 4	GRADING & UTILITY PLAN
SHEET # 5	INITIAL EROSION AND SEDIMENT CONTROL PLAI
SHEET # 6	FINAL EROSION AND SEDIMENT CONTROL PLAN
SHEET #7-8	EROSION AND SEDIMENT CONTROL DETAILS
SHEET #9	TREE PROTECTION & REPLACEMENT PLAN
SHEET # 10	STORM & SANITARY SEWER PROFILES
SHEET # D1 - D3	DETAIL SHEETS

PROPOSED SPOT ELEVATION 980.25 + SILT FENCE DRAINAGE SWALE DIRECTION OF SLOPE EXISTING CONTOUR 982 PROPOSED CONTOUR EXISTING WATER MAIN AND SIZE PROPOSED WATER MAIN AND SIZE EXISTING WATER MAIN AND SIZE EXISTING WATER VALVE EXISTING WATER VALVE EXISTING WATER VALVE EXISTING FIRE HYDRANT PROPOSED HOSE BIBB EXISTING SANITARY SEWER LINE EXISTING SANITARY SEWER MANHOLE EXISTING SANITARY SEWER MANHOLE EXISTING STORM SEWER LINE EXISTING STORM SEWER LINE EXISTING STORM SEWER LINE EXISTING SINGLE WING CATCH BASIN PROPOSED SHOLE WING CATCH BASIN EXISTING DOUBLE WING CATCH BASIN EXISTING JUNCTION BOX PROPOSED JUNCTION BOX DIEX. CB EXISTING DROP INLET OR YARD INLET PROPOSED DROP INLET OR YARD INLET PROPOSED DROP INLET OR YARD INLET PROPOSED WERE INLET PROPOSED DROP INLET OR YARD INLET PROPOSED WERE INLET EXISTING WEIR INLET PROPOSED DROP INLET OR YARD INLET PROPOSED DROP INLET W/CONCRETE APRON © CORNER OF CURB DI OF YI EXISTING HOODED GRATE CURB INLET PROPOSED HEADWALL "MESA TYPE" WALL	FINISHED FLOOR ELEVATION	FF 981.67
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	TYPICAL WALL LABELS	TW = TOP OF WALL

ITEM STAKED	SYMBOL	COLOR OF FLAGGING
BOUNDARY TRAVERSE POINT PROPERTY CORNERS CLEARING LIMITS CENTERLINE POINT OF INTERSECTION	Δ ⁴ 2 O CENTER Q P.I.	ORANGE-GLO YELLOW & WHITE STRIPE PINK-GLO YELLOW RED
CENTERLINE INTERSECTION END OF STREET CURB OFFSET BUILDING CORNER BUILDING CORNER OFFSET	€ INT END ST I II B.O.C. BLDG. COR 2 I°II BLDG. COR 2	RED RED ORANGE BLUE BLUE & WHITE STRIPE
SANITARY SEWER STORM SEWER BENCHMARK TEMPORARY BENCHMARK TOPO GRID	B.M. T.B.M.	WHITE RED & WHITE STRIPE LIME-GLO LIME-GLO LIME-GLO LIME-GLO

DEVELOPMENT CONTACTS

OWNER CONTACT:
JEFF YEARWOOD
GENUINE PARTS COMPANY
2999 CIRCLE 75 PARKWAY
ATLANTA, GEORGIA 30339
PHONE: (770) 956-2609
FAX: (770) 956-2210

PEC CONTACT
MICHEAL S. TWINER
350 RESEARCH COURT
NORCROSS, GEORGIA 30092
PHONE: (770) 451-2741
FAX: (770) 451-3915

ARCHITECTURAL CONTACT:
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OSWELL-NITISHIN ARCHITECTURE
1234 POWERS FERRY COMMONS
SUITE 105
MARIETTA, GEORGIA 30067
PHONE: (770) 956-8879

FAX: (770) 956-8931

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
MAILING ADDRESS:
P.O. BOX 1293
ALBUQUERQUE, NM 87103-1293

LOCATION:
CITY/COUNTY GOVERNMENT CENTER
ONE CIVIC PLAZA NW -ROOM 1026 (FIRST FLOOR)
5TH & MARQUETTE
ALBUQUERQUE, NM 87102
PHONE:
PLANNING DEPT. (505) 924-3860
DRB (505) 924 3946

BERNALILLO COUNTY
MR KEVIN GROVETT
2400 BROADWAY SE
BUILDING N
ALBUQUERQUE, NM 87102
PHONE: (505) 848-1532
FAX: (505) 848-1510

GENUINE PARTS COMPANY
2999 CIRCLE 75 PARKWAY
ATLANTA, GEORGIA 30339
PHONE: 770-956-2609

"WE PROVIDE SOLUTIONS"

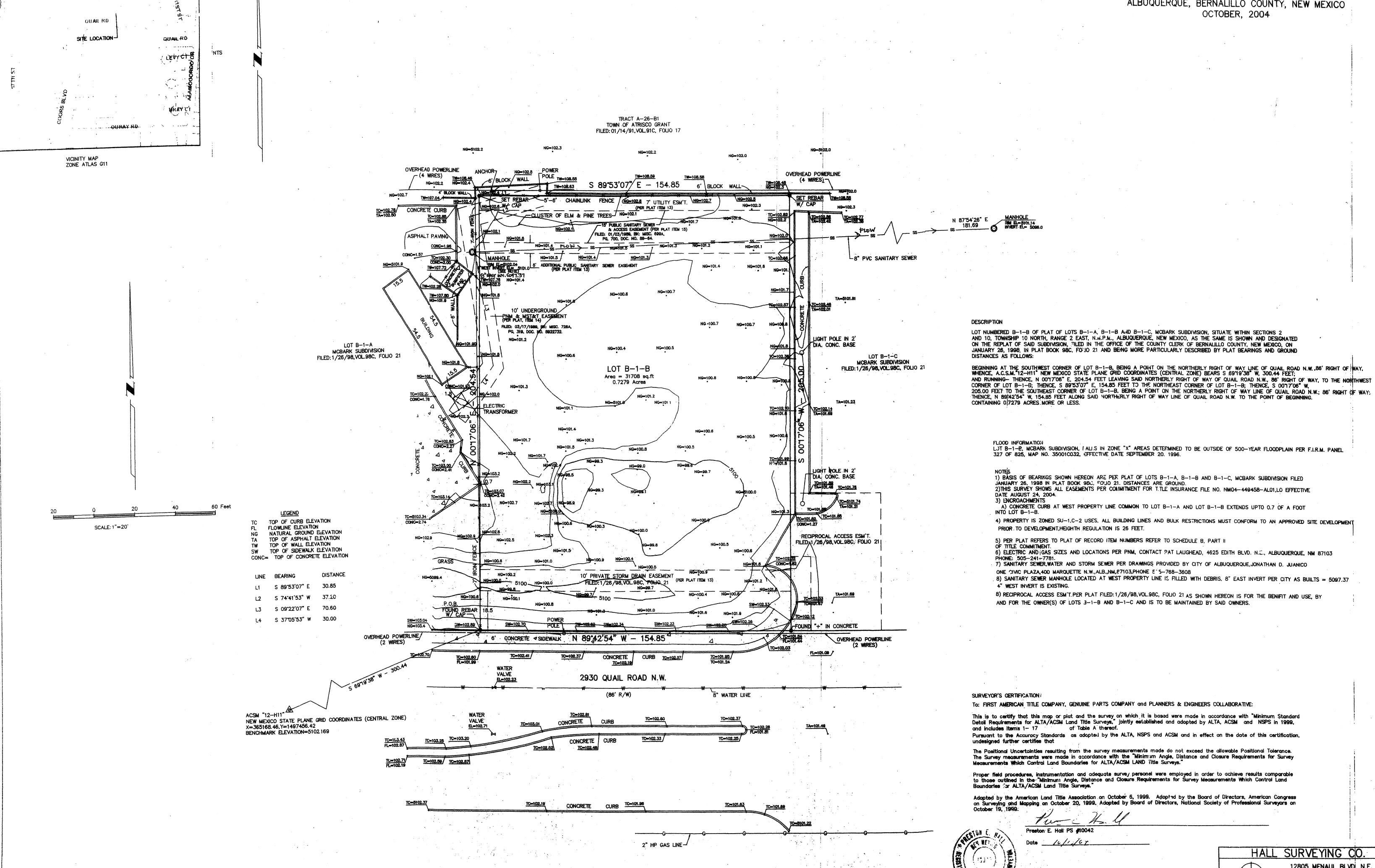
"WE PROVIDE SOLUTIONS"

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SET DATE: OCT. 13, 2004

JOB NUMBER: 04177.00



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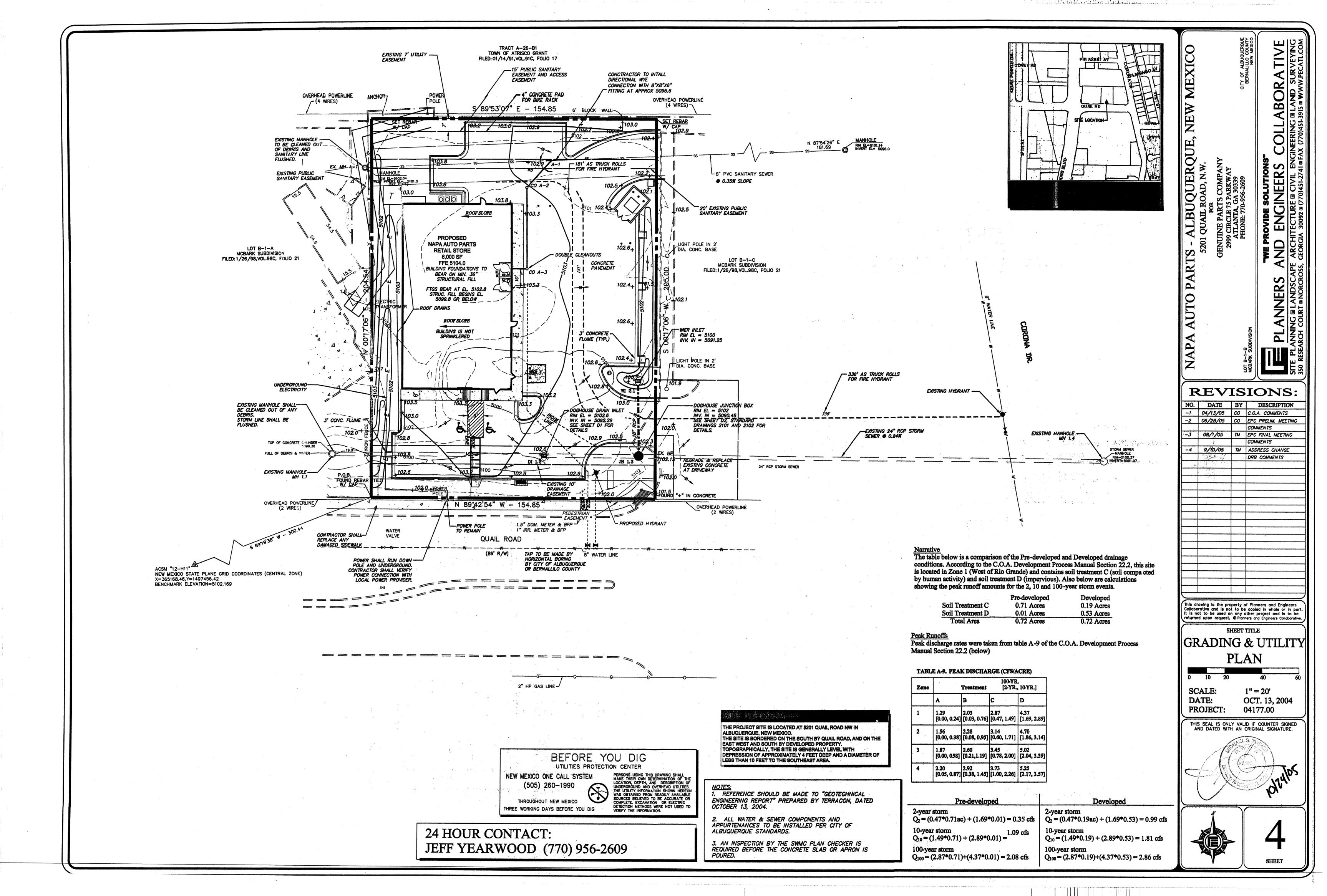
HALL SURVEYING CO.

12805 MENAUL BLVD. N.E.

ALBUQUERQUE, NEW MEX CO 87112

PHONE: (505) 292-6727

CLIENT PLANNERS & ENGREERS COLLABORATIVE



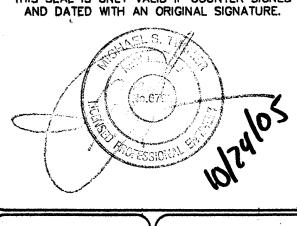
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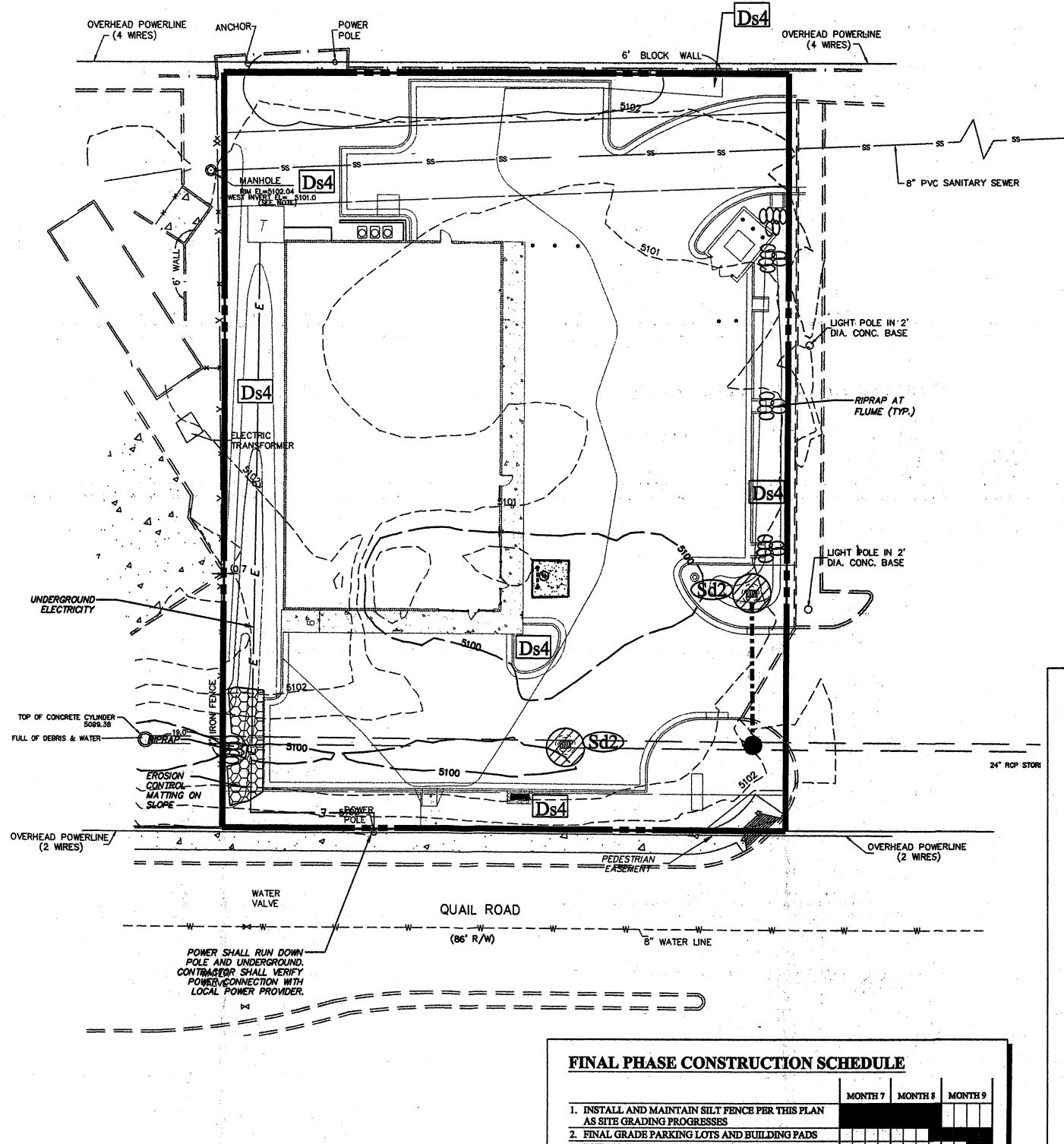
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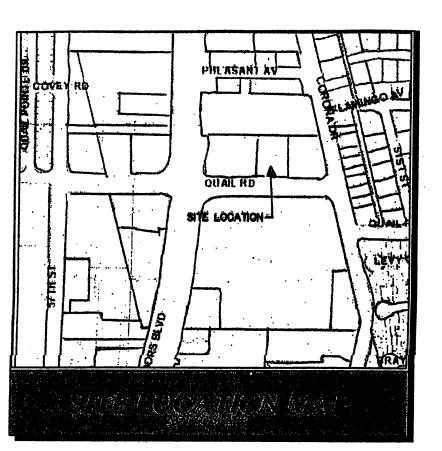
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INITIAL EROSION &

1'' = 20'OCT. 13, 2004 04177.00







PROJECT NARRATIVE
THE SITE IS A PROPOSED NAPA AUTO PARTS DEVELOPMENT IN LAND LOT B-1-B, MCBARK SUBDIVISION, CITY OF ALBUQUERQUE. THE SITE IS BORDERED ON ITS NORTH BY TRACT A-26-B1, ON ITS EAST AND WEST BY LOTS WITHIN THE MCBARK SUBDIVISION, AND ON ITS SOUTH BY QUAIL ROAD.

THE EROSION CONTROL WILL CONSIST OF BUT NOT LIMITED TO SILT FENCING, DIVERSION DITCHES, SILT TRAPS, SILT BASINS, TEMPORARY AND PERMANENT SEEDING AND LANDSCAPING AND EROSION CONTROL MATTING ON SLOPES. SAVE TREE AREAS AND BUFFER WILL BE PROTECTED BY TREE PROTECTION FENCE

GENERAL NOTES:

THE TOTAL SITE AREA IS 0.7279 ACRES AND THE TOTAL DISTURBED AREA ON SITE IS 0.7279 ACRES AND TOTAL DISTURBED AREA OFF SITE IS Q ACRES.

SITE DEVELOPER/OWNER:
GENUINE PARTS COMPANY - 2999 CIRCLE 75 PARKWAY - ATLANTA, GEORGIA 30339

3. INSTALL WATER QUALITY STRUCTURES 4. INSTALL LANDSCAPING

INITIAL PHASE EROSION AND SEDIMENT CONTROL SCHEDULE 1, STAKE CLEARING LIMITS.

2. INSTALL CONSTRUCTION ENTRANCE AND EXITS.

3. INSTALL TYPE "C" WIRE REINFORCED SILT FENCE, HAY BALES, AND TREE PROTECTION FENCE.

4. INSTALL ALL EROSION CONTROL MEASURES, DIVERSION DITCHES AND SEDIMENT BASINS SHOWN ON INITIAL PHASE PLAN (EROSION CONTROL MEASURES TO BE CONSTRUCTED AND FULLY FUNCTIONAL PRIOR TO ANY

5. CLEÁR TREES, REMOVE ALL STUMPS AND STRIP TOPSOIL.

BEFORE YOU DIG UTILITIES PROTECTION CENTER

NEW MEXICO ONE CALL SYSTEM (505) 260-1990

THROUGHOUT NEW MEXICO THREE WORKING DAYS BEFORE YOU DIG DETECTION METHODS WERE NOT USED TO VERIFY THE INFORMATION.

24 HOUR CONTACT: JEFF YEARWOOD (770) 956-2609

GENERAL NOTES

CONSTRUCTION EXIT PAD SHOULD BE 20' x 50', AND 6 IN DIAMETER. THE GEO-TEXTILE UNDER LINER SHOULD MEET THE REQUIREMENTS OF AASHTO M288-96, SECTION 7.3 SEPARATION REQUIREMENTS. THE CONSTRUCTION EXIT SHOULD BE MAINTAINED BY PERIODICALLY REDRESSING WITH 1 TO 3 INCHES

- 2. SILT FENCE SHOULD BE TYPE C 36" WIDE WITH WIRE REINFORCEMENT. SEDIMENT SHOULD BE REMOVED WHEN ACCUMULATION REACHES 1/2 HEIGHT OF BARRIER. SILT FENCE FABRIC MUST BE REPLACED AFTER 6 MONTHS. ACCUMULATED SILT MUST BE REMOVED AND DISPOSED OF WHEN THE BARRIER IS REMOVED.
- 3. INLET SEDIMENT TRAPS SHOULD BE Sd2-F UNTIL AREA IS PAVED; THEREAFTER, USE Sd2-P (PIGS IN A BLANKET). TRAPS SHOULD BE INSPECTED DAILY AND AFTER EACH RAIN. REPAIRS SHOULD BE MADE BY GENERAL CONTRACTOR WHEN NECESSARY, SEDIMENT SHOULD BE REMOVED WHEN ACCUMULATION REACHES 1/2 HEIGHT OF SILT FENCE OR ANY ACCUMULATION ON A
- 4. MULCH OR TEMPORARY GRASSING SHALL BE APPLIED TO ALL EXPOSED AREAS WITHIN 14 DAYS OF DISTURBANCE. TEMPORARY GRASSING, INSTEAD OF MULCH, CAN BE APPLIED TO ROUGH GRADED AREAS THAT WILL BE EXPOSED FOR LESS THAN 6
- 5. ADDITIONAL EROSION CONTROL DEVICES TO BE USED AS REQUIRED BY CITY OF ALBUQUERQUE.
- 6. CONCENTRATED FLOW AREAS, ALL SLOPES STEEPER THAN 2.5:1 AND WITH A HEIGHT OF TEN FEET OR GREATER, AND CUTS AND FILLS WITHIN STREAM BUFFERS, SHALL BE STABILIZED WITH THE APPROPRIATE EROSION CONTROL MATTING OR BLANKETS.
- 7. CITY OF ALBUQUERQUE LAND DISTURBANCE PERMIT MUST BE DISPLAYED ON SITE AT ALL TIMES DURING CONSTRUCTION AND IN PLAIN VIEW FROM ROAD.
- 8. EROSION AND SEDIMENT CONTROL DEVICES MUST BE INSTALLED AND INSPECTED PRIOR TO ANY GRADING ON SITE.
- 9. SEDIMENT/EROSION CONTROL DEVICES MUST BE CHECKED AFTER EACH STORM EVENT. EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED ONE HALF THE CAPACITY OF THE DEVICE. ADDITIONAL DEVICES MUST BE INSTALLED IF NEW CHANNELS HAVE DEVELOPED.
- 10. EROSION AND SEDIMENTATION CONTROL MEASURES AND PRACTICES SHALL BE MAINTAINED AT ALL TIMES. ADDITIONAL EROSION AND SEDIMENTATION CONTROL MEASURES AND PRACTICES SHALL BE INSTALLED IF DEEMED NECESSARY BY AN ON-SITE INSPECTION.
- 11. SEDIMENT STORAGE MAINTENANCE INDICATORS MUST BE INSTALLED IN SEDIMENT STORAGE STRUCTURES, INDICATING THE ONE THIRD FULL VOLUME.
- 12. MAINTENANCE OF ALL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES AND PRACTICES, WHETHER TEMPORARY OR PERMANENT, SHALL BE AT ALL TIMES THE RESPONSIBILITY OF THE PROPERTY OWNER.
- 13. "THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND DISTURBING ACTIVITIES."

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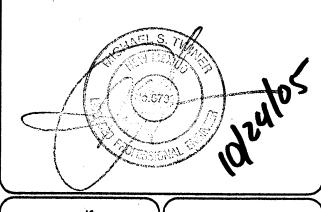
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SHEET TITLE

FINAL EROSION & SEDIMENT CONTROL PLAN

SCALE: DATE: PROJECT:

1" = 20'OCT. 13, 2004 04177.00





STRUCTURAL PRACTICES MAP SYMBOL CODE PRACTICE DESCRIPTION Cd cross a swale, drainage dirch or area of Ch Co crushed stone pad jocated at the construc site exit to provide a place for removing mud arking areas, and other on-site vechile Dc round a construction site while a permanent Di An earth channel or dike located above, bek or across a slope to divert runoff. This may b temporary or permanent structure Dn1 A flexible conduit of heavy duty fabric or other TEMPORARY DOWNDRAIN STRUCTURE material designed to safely conduct surface runoff down a slope. This is temporary and Dn2 A paved chute, pipe, sectional conduit or simi PERMANENT DOWNDRAIN STRUCTURE material designed to safely conduct surface n Fr Ga Gr ermanent structures installed to protect natur or artifical channels or waterways where others STABILIZATION the slope would be sufficient for the running w (Lv) =water into less erosive sheet flow. This ROCK FILTER wall installed to stabilize cut and fill slopes where maximum permissible slopes are not WALL obtainable. Each situation will require special A device or structure placed in front of a RETROFITTING permanent stormwater detention pond outlet structure to serve as a temporary sediment filte A barrier to prevent sediment from leaving the Sd1 construction site. It may be sandbags, bales or straw or hay, brush, logs and poles, gravel, An impounding area created by excavating around a storm drain inlet. The excavated Sd2 area will be filled and stabilized on completio

TEMPORARY

TEMPORARY STREAM CROSSING

STORM DRAIN OUTLET

TOPSOILING

WATERWAY OR STORMWATER CONVEYANCE

Su

VEGETATIVE MEASURES

	CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
ed .	Bf	BUFFER ZONE		Bf	A strip of undisturbed original vegetation, enhanced or restored existing vegetation or the reestablishment of vegetation surrounding an area of disturbance or bordering streams.
en	Cs	COASTAL DUNE STABILIZATION (W/ VEGETATION)	******	Cs	Planting vegetation on dunes that are denuded, artificially constructed, or re-nourished.
ction d	Ds1	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)		Det	Establishing temporary protection for disturbed areas where seeding may not have a suitable growing season to produce an erosion retarding cover.
uction ads,	Ds2	DISTURBED AREA STABILIZATION (W/ TEMPORARY SEEDING)		Ds2	Establishing temporary vegetative cover with fast growing seedings on disturbed areas.
flow nt	Ds3	DISTURBED AREA STABILIZATION (W/ PERMANENT VEGETATION)	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Ds3	Establishing permanent vegetative cover such as trees, shrubs, vines, grasses, sod, or legumes on disturbed areas.
ow be	Ds4	DISTURBED AREA STABILIZATION (W/ SODDING)		Ds4	A permanent vegetative cover using sods on highly erodible or critically eroded lands.
er	Du	DUST CONTROL ON DISTURBED AREAS		đ	Controlling surface and air movement of dust on construction site, roadways and similar sites.
nilar runoff	Mb	EROSION CONTROL MATTING AND BLANKETS		⊢ Mb ⊣	The installation of a protective covering (blanket) or soil stabilization mat on a prepared planting area of a steep slope, channel, or shoreline.
m	Pm	POLYACRYLAMIDE (PAM)		⊢ Pm ⊢	The land application of product containing anionic polyacrylamide (PAM) as temporary soil binding agents to reduce soil erosion.
nto	Sb	STREAM BANK STABILIZATION (USING PERMANENT VEGETATION)		Sb	The use of readily available native plant materials to maintain and enhance stream banks, or to prevent, or restore and repair small stream bank erosion problems.
ral rwise vater	Ть	TACKIFIERS AND BINDERS		н тр Н	Substance used to anchor straw or hay mulch by causing the organic material to bind together.

SEEDING

Construction Specifications:

adjust rates accordingly.

A basin created by excavation or a dam acros a waterway. The surface water runoff is temporarily stored allowing the bulk of the

temporary bridge or culvert type structure

A paved or short section of riprap channel at th

outlet of a storm drain system preventing erosion fro

A rough soil surface with horizontal depression

The practice of stripping off the more fertile top

Paved or vegetative water outlets for diversion terraces, berms, dikes or similar structures.

soil, storing it, then spreading it over the

disturbed area after the completion of

nstruction activities.

on a contour or stopes left in a roughened

Apply permanent seeding on areas left dormant for 1 year or more. Apply permanent seeding when no further disturbances are planned.

To determine optimum seeding schedule, consult a local agronomist or erosion control Apply permanent seeding before seasonal rains or freezing weather is anticipated. Use dormant seeding for late fall or winter seeding schedules. Seed Mixes:

Use seads appropriate to the season and site conditions. Consult local agronomist or erosion control specialists for seed mix. Use a seed blend to include annuals, perennials and legumes. Use seed rates based on pure live seed (PLS) of 80%. When PLS is below 80%

Site Preparation: Bring the planting area to final grade and install the necessary erosion control practices. Divert concentrated flows away from the seeded area. Conduct soil test to determine pH and nutrient content. Roughen the soil by harrowing, tracking, grooving or furrowing. Apply amendments as needed to adjust pH to 6.0-7.5. Incorporate these amendments

into the soil. Prepare a 3-5 inch (76-127 mm) deep seedbed, with the top 3-4 inches (76-102 mm) consisting of topsoil.

The seedbed should be firm but not compact. The top three inches of soil should be loose, moist and free of large clods and stones. The topsoil surface should be in reasonably close conformity to the lines, grades and cross sections shown on the grading plans.

Seed to soil contact is the key to good germination. Seed should be applied immediately after seedbed preparation while the soil is loose and moist. If the seedbed has been idle long enough for the soil to become compact, the topsoil should he harrowed with a disk, spring tooth drag, spike tooth drag, or other equipment designed to conditions the soil for seeding. Harrowing, tracking or furrowing should be done horizontally across the face of the slope. Seed to soil contact is the key to good germination.

Always apply seed before applying mulch. Apply seed at the rates specified using calibrated seed spreaders, cyclone seeders, mechanical drills, or hydroseeder so the seed is applied uniformly on the site Broadcast seed should be incorporated into the soil by raking or chain dragging, and then lightly compacted to provide good seed-soil contact. Apply fertilizer as specified.

Apply mulch or erosion control blanket, as specified, over the seeded areas. Inspection and Newly seeded areas need to be inspected frequently to ensure the grass is growing. If the seeded area is damaged due to runoff, additional stormwater measures may be needed. Spot seeding can be done on small areas to fill in bare spots where grass did not grow

NOTE: DURING "HIGH FAILURE" MONTHS SEEDING CONTRACTOR TO SPREAD MULCH OR HAY FOR SLOPE STABILIZATION.

- *USE A MINIMUM OF 40 LBS. SCARIFIED SEED, REMAINDER MAY BE UNSCARIFIED, CLEAN HULLED SEED.

**USE EITHER COMMON SERAIA OR INTERSTATE SERICEA LESPEDEZA. - ALL AREAS TO BE SEEDED SHALL HAVE LIME APPLIED AT A RATE OF 90 LB./1000 S.F.. LIME AND FERTILIZER TO BE APPLIED PRIOR TO APPLICATION OF SEED AND MIXED THOROUGHLY WITH THE SOIL. - ALL AREAS SEEDED SHALL HAVE AN APPLICATION OF STRAW MULCH. (APPROXIMATELY 2 1/2 TONS PER ACRE) IMMEDIATELY AFTER PLANTING REGARDLESS OF PLANTING METHOD.

- MAINTAIN 1 YEAR MINIMUM - FERTILIZER: AGRICULTURAL LIME 1 TON PER ACRE

8-12-12 OR 5-10-15 1000 LB. PER ACRE

TEMPORARY MULCHING AND - PERMANENT MULCHING

MULCHING APPLICATION REQUIREMENTS

MATERIAL	RATE	DEPTH		
Straw or hay	2 1/2Ton/Acre	6" TO 10"		
Wood waste, chips, sawdust, bark	6 to 9 Ton/Acre	2" TO 3"		
Cutback asphalt	1200 gal./acre or 1/4 gal./sq.yd.			
Polyethylene film	Secure with soil, anchors, weights			
Cutback asphalt	See manufacturer's recommendations			
Geotextiles, jute matting, netting, etc.		-		

TEMPORARY SEEDING

SPECIES	BROAL		RESOURCE	REMARKS
	Rates per Acre	PLS per 1000 SF	(Darker shades indicate optimum dates, and lighter shades indicate permissible but marginal dates.)	
LESPEDEZA ANNUAL (Lespedeza striata)			MOUNTAINS J F M A M J J A S O N D	200,000 SEED PER POUND MAY VOLUNTEER FOR SEVERAL
ALONE	40 lbs.	0.9 lb.	MOUNTAINS SOUTHERN PHEDMONT	USE INOCULANT EL
IN MIXTURES	10 lbs.	0.2 lb.	SOUTHERN COASTAL PLAIN	
LOVEGRASS, WEEPING (Eragrostis curvula)			J F M A M J J A S O N D	1,500,000 SEED PER POUND MAY LAST FOR SEVERAL YEA
ALONE	4 lbs.	0.1 lb.	MOUNTAINS SOUTHERN PREDMONT	MIX W/ SERICEA LESPEDEZA
IN MIXTURES	2 lbs.	0.05 lb.	SOUTHERN COASTAL PLAIN	
MILLET, BROWNTOP (Panicum faściculatum)			MOUNTAINS J F M A M J J A S O N D	137,000 SEED PER POUND QUICK DENSE COVER
ALONE	40 lbs.	0.9 lb.	SOUTHERN PIEDMONT	WILL PROVIDE TOO MUCH CO ETITION IN MIXTURES IF SEI
IN MIXTURES	10 lbs.	0.2 lb.	SOUTHERN COASTAL PLAIN	AT HIGH RATES
RYE (Secale cereale)			J F M A M J J A S O N D	18,000 SEED PER POUND
ALONE	3 hu	3.9 lb.	MOUNTAINS SOUTHERN	DENSE COVER DROUGHT TOLERANT AND W
IN MIXTURES	3 bu. (168 lbs.) 1/2 bu.		PIEDMONT	HARDY
III IIIONI ONEO	(28 ibs.)	0.6 lb.	SOUTHERN COASTAL PLAIN	1
RYEGRASS, ANNUAL (Lolium temulentum)			MOUNTAINS JEMAMUJJASOND	227,000 SEED PER POUND DENSE COVER
ALONE	40 lbs.	0.9 lb.	SOUTHERN PIEDMONT SOUTHERN COASTAL PLAIN	VERY COMPETITIVE AND IS N TO BE USED IN MIXTURES

PERMANENT SEEDING/SODDING

SPECIES	BROADCAST Rates per PLS per Acre 1000'SF	RESOURCE (Darker shades indicate optimum dates, and lighter; shades indicate permissible but marginal dates.)	REMARKS
BERMUDA, COMMON (Cynodon dactylon) Hulled Seed ALONE WITH OTHER PERENNIALS	10 lbs. 0.2 lb. 6 lbs. 0.1 lb.	SOUTHERN PREDMONT SOUTHERN COASTAL PLAIN	1,787,000 SEED PER POUND CARCK COVER LOW GROWING AND SOD FORMING FULL SUN GOOD FOR ATHLETIC FIELDS
BERMUDA, COMMON (Cynodon dactylon) Unhulled Seed WITH TEMPORARY COVER WITH OTHER PERENNIALS	10 lbs. 0.2 lb. 6 lbs. 0.1 lb.	SOUTHERN PREDMONT SOUTHERN COASTAL PLAIN	PLANT WITH WINTER ANNUALS PLANT WITH TALL FESCUE
CENTIPEDE (Éremochloa ophiuroides)	Block Sod only	SOUTHERN PREDMONT SOUTHERN COASTAL PLAIN	13,000 SEED PER POUND USE ON PRODUCTIVE SOILS NOT AS WINTER HARDY AS RYE OR BARLEY
CROWNVETECH Coronilla varia) W/ WINTER ANNUALS OR COOL SEASON GRASSES	15 lbs. 0.3 lb.	MOUNTAINS SOUTHERN PREDMONT	100,000 SEED PER POUND DENSE GROWTH DROUGHT TOLERANT AND FIRE RESISTANT. ATTRACTIVE ROSE, PINK, AND WHITI BLOSSOMS SPRING TO LATE FALL MIX WI 30 POUNDS OF TALL FESCUE OR 15 POUNDS OF RYE. INOCULATE SEED WI'M INOCULANT USE FROM NORTH ATLANTA AND NORTHYARD.
FESCUE, TALL Festuca arundinacea) ALONE W/ OTHER PERENNIALS	50lbs. 1.1 lb. 30 lbs. 0.7 lb.	MOUNTAINS SOUTHERN PREDMONT	227,000 SEED PER POUND USE ALONE ONLY ON BETTER SITES NOT FOR DROUGHTY SOILS MIX W/ PERENNIAL LESPEDEZAS OR CROWNVETCH, APPLY TOPDRESSING IN SPRING FOLLOWING FALL PLANTINGS. NOT FOR HEAVY USE AREAS OR ATHLETIC FIELDS
ESPEDEZA, SERICEA Lespedeza cuneata) SCARIFIED	60 ibs. 1.4 ib.	MOUNTAINS J F M A M J J A S O N D SOUTHERN PEDMONT SOUTHERN COASTAL PLAIN	350,000 SEED PER POUND WIDELY ADAPTED LOW MAINTENANCE MIX W WEEPING LOVEGRASS COMMON BERMUDA, BAHIA, OR TALL FESCUE. TAKES 2 TO 3 YEARS TO BECOME FULLY ESTABLISHED. EXCELLENT ON ROADBANKS INOCULATE SEED W/ EL INOCULANT
UNSCARIFIED	75 lbs. 1.7 lb.	MOUNTAINS SOUTHERN PREDMONT SOUTHERN COASTAL PLAIN	MIX W/ TALL FESCUE OR WINTER ANNUALS.
SEED-BEARING HAY	3 tons 138 lb.	MOUNTAINS SOUTHERN PIEDMONT SOUTHERN COASTAL PLAIN	CUT WHEN SEED IS MATURE, BUT BEFORE IT SHATTERS. ADD TALL FESCUE OR WINTER ANNUALS.
OVEGRASS, WEEPING ragrostis curvula)	4 lbs. 0.1 lb	MOUNTAINS J A S O N D SOUTHERN PREDMONT	1,500,000 SEED PER POUND QUICK COVER DROUGHT TOLERANT
W/OTHER PERENNIALS	2 lbs. 0.05 lb.	SOUTHERN COASTAL PLAIN	ON ROADBANKS.

SILT FENCE NOTES:

Construction Specifications: The height of a silt fence shall not exceed 36 inches (0.9 m). Storage height and ponding height shall never exceed 18 inches (0.5 m). The fence line shall follow the contour as closely as possible.

If possible, the filter fabric shall be cut from a continuous roll to avoid the use of joints. When joints are necessary, filter cloth shall be spliced only at a support post, with a minimum 6 inch (0.2 m) overlap and both ends securely fastened to the post. Posts shall be spaced a maximum of 10 feet (3.1 m) apart and driven securely into the ground (minimum of 12 inches (0.3 m)). When extra-strength fabric is used without the wire support fence, post spacing shall not exceed 6 feet (1.8 m).

Turn the ends of the fence uphill. A trench shall be excavated approximately 4 inches (101 mm) wide and 6 inches (0.2 m) deep along the line of posts and upslope from the

When standard-strength filter fabric is used, a wire mesh support fence shall be fastened securely to the upslope side of the posts using heavy duty wire staples at least 1 inch (25.4 mm) long, tie wires or hog rings. The wire shall extend into the trench a minimum of 2 inches (51 mm) and shall not extend more than 36 inches (0.9 m) above the original ground surface. The standard-strength filter fabric shall be stapled or wired to the fence, and 6 inches (0.2 m) of the fabric shall extend into the trench. The

fabric shall not extend more than 36 inches (0.9 m) above the original ground surface. Filter fabric shall not be stapled to existing trees. When extra-strength filter fabric and closer post spacing are used, the wire mesh support fence may be eliminated. In such a case, the filter fabric is stapled or wired directly to the posts.

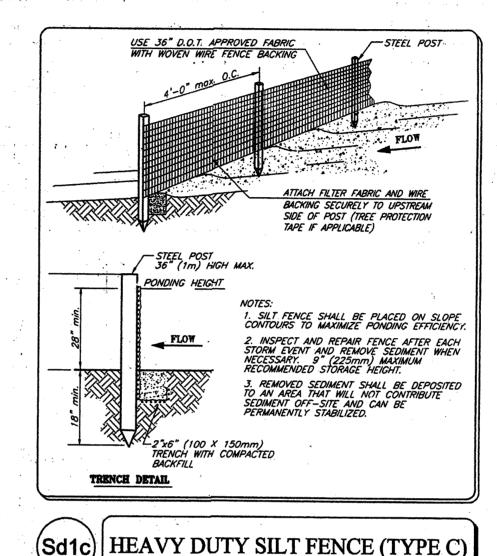
The trench shall be backfilled and the soil compacted over the toe of the filter fabric.

Silt fences placed at the toe of a slope shall be set at least 6 feet (1.8 m) from the toe in order to increase ponding volume. Silt fences shall be removed when they have served their useful purpose, but not before the upslope area has been permanently stabilized and any sediment stored behind the silt fence has been removed.

Inspection and Maintenance:

Silt fences and filter barriers shall be inspected weekly after each significant storm (1 inch (25.4 mm) in 24 hour). Any required repairs shall be made immediately.

Sediment should be removed when it reaches 1/3 height of the fence or 9 inches (0.3 m) maximum. The removed sediment shall conform with the existing grade and be vegetated or otherwise stabilized



SPILL PREVENTION

All onsite vehicles will be monitored for leaks and receive regular preventive maintenance to reduce the chance of leakage. Petroleum products will be stored in tightly sealed containers which are clearly labeled. Any asphalt substances used onsite will be applied according to the manufacturer's recommendations.

Fertilizers used will be applied only in the minimum amounts recommended by the manufacturer. Once applied, fertilizer will be worked into the soil to limit exposure to storm water. Storage will be in a covered shed. The contents of any partially used bags of fertilizer will be transferred to a sealable plastic bill to

All containers will be tightly sealed and stored when not required for use. Excess paint will not be discharged to the storm sewer system but will be properly disposed of according to manufacturers' instructions or State and local regulations.

Concrete trucks will be allowed to wash out or discharge surplus concrete or drum wash water on the site at designated location.

Spill Control Practices
In addition to the good housekeeping and material management practices discussed in the previous sections of this plan, the following practices will be followed for spill prevention and cleanup: * Manufacturers' recommended methods for spill cleanup will be clearly posted and site personnel will be made aware of the procedures and the location

of the information and cleanup supplies. Materials and equipment necessary for spill cleanup will be kept in the material storage area onsite. Equipment and materials will include but not be limited to brooms, dust pans, mops, rags, gloves, goggles, kitty litter, sand, sawdust, and plastic and metal trash containers specifically for this

All spills will be cleaned up immediately after discovery. * The spill area will be kept well ventilated and personnel will wear appropriate protective clothing to prevent injury from contact with a hazardous

* Spills of toxic or hazardous material will be reported to the appropriate State of local government agency, regardless of the size. * The spill prevention plan will be adjusted to include measures to prevent this type of spill from reoccurring and how to clean up the spill if there is

another one. A description of the spill, what caused it, and the cleanup measures will also be included.

The site superintendent responsible for the day—to—day site operations will be the spill prevention and cleanup coordinator. He will designate at least three other site personnel who will receive spill prevention and cleanup training. These individuals will each become responsible for a particular phase o prevention and cleanup. The names of responsible spill personnel will be posted in the material storage area and in the office trailer onsite.

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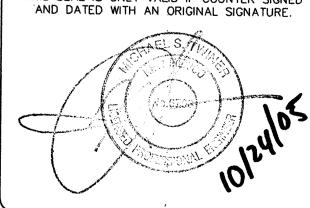
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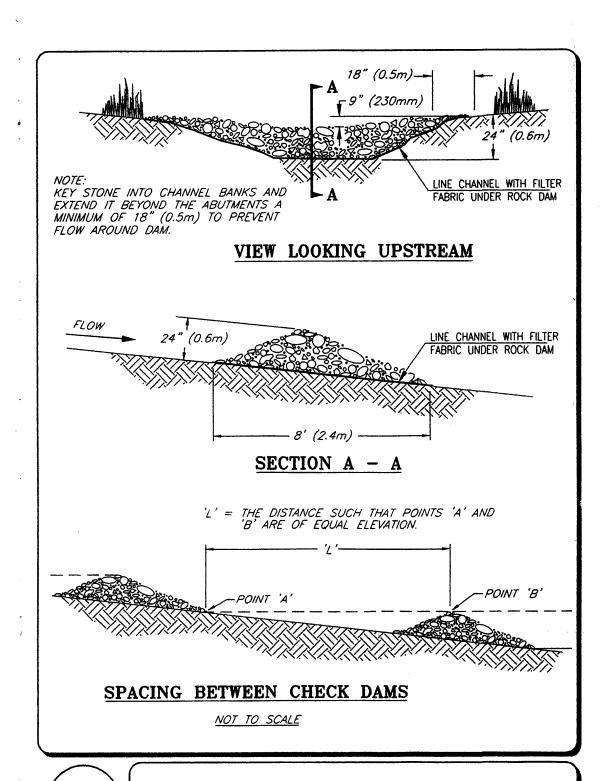
EROSION & SEDIMENT CONTROL DETAILS

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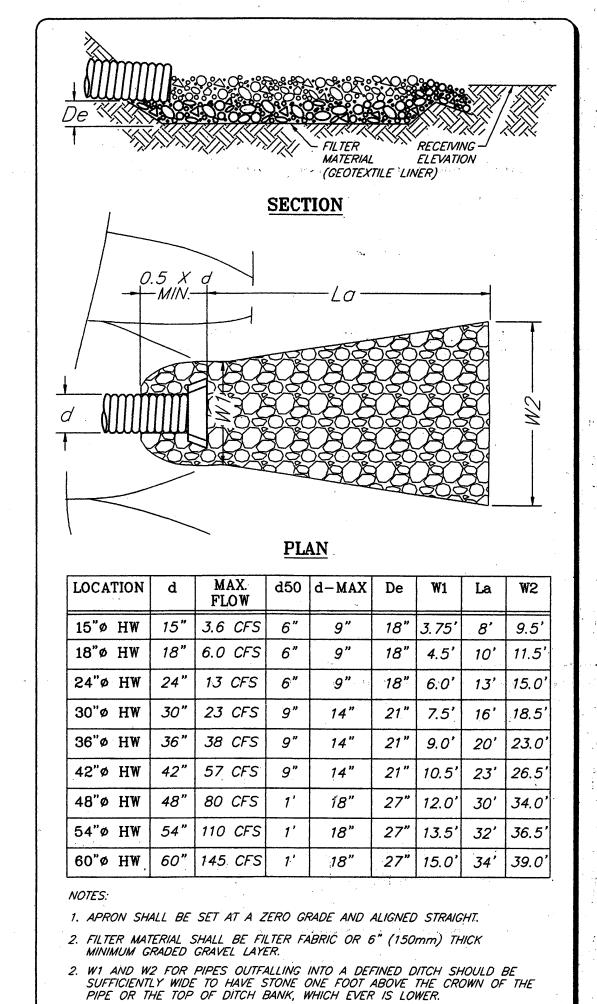
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CHECK DAM



OUTLET PROTECTION

Construction Specifications:

prevent erosion and sedimentation.

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Only disturb, clear, or grade areas necessary for construction. Flag or otherwise delineate areas not to be disturbed. Exclude vehicles and construction equipment from these areas to preserve natural vegetation

All graded or disturbed areas including slopes shall be protected during clearing and construction in accordance with the approved erosion and sediment control plan until they are permanently stabilized. All sediment control measures shall be constructed and maintained in accordance with the

approved erosion and sediment control plan and according to the standards and specifications for the appropriate erosion control practices. If topsoil is required for the establishment of vegetation, it shall be stockpiled in the amount necessary to complete finished grading and protected from erosion during the interim.

Areas to be filled shall be cleared, grubbed to remove trees, vegetation, roots and other objectionable material, and stripped of topsoil. Areas to receive topsoil shall be scarified to a minimum depth of 3 inches (76 mm) prior to placement of topsoil.

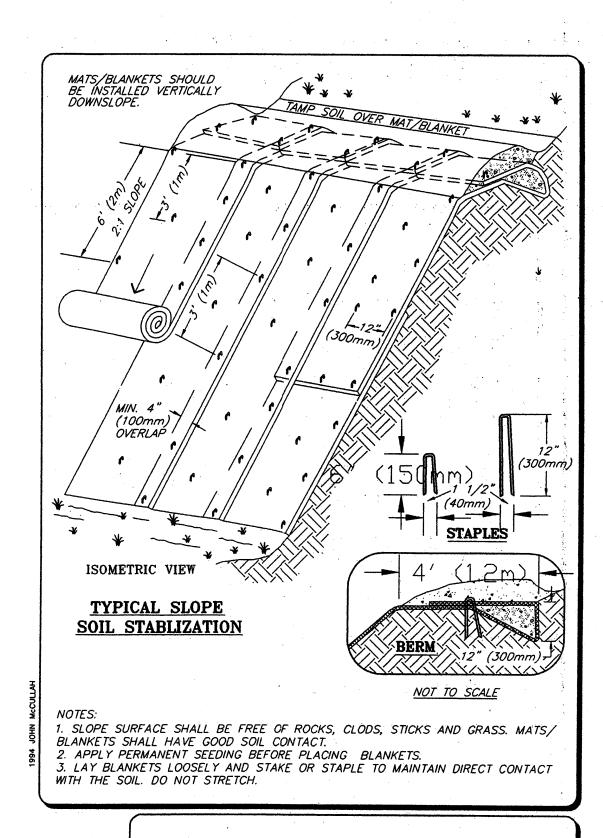
All fills shall be compacted as required by building standards to reduce erosion, slippage, settlement, subsidence and other related problems. Fill intended to support buildings, structures, conduits, etc., shall be compacted in accordance with local requirements or codes. The outer face of the fill slope should be allowed to stay loose, not rolled, compacted, or bladed smooth. A bulldozer may run up and down the fill slope so the dozer treads (cleat tracks) create grooves perpendicular to the slope. If the soil is not too moist, excessive compaction will

not occur. All fill shall be placed and compacted in layers not to exceed 8 inches (0.2 m) per lift. Use slope breaks, such as diversions, benches, or contour furrows as appropriate, to reduce the length of cut—and—fill slopes to limit sheet and rill erosion and prevent gully erosion. The finished cut—and—fill slopes, which are to be vegetated with grass and legumes, should not

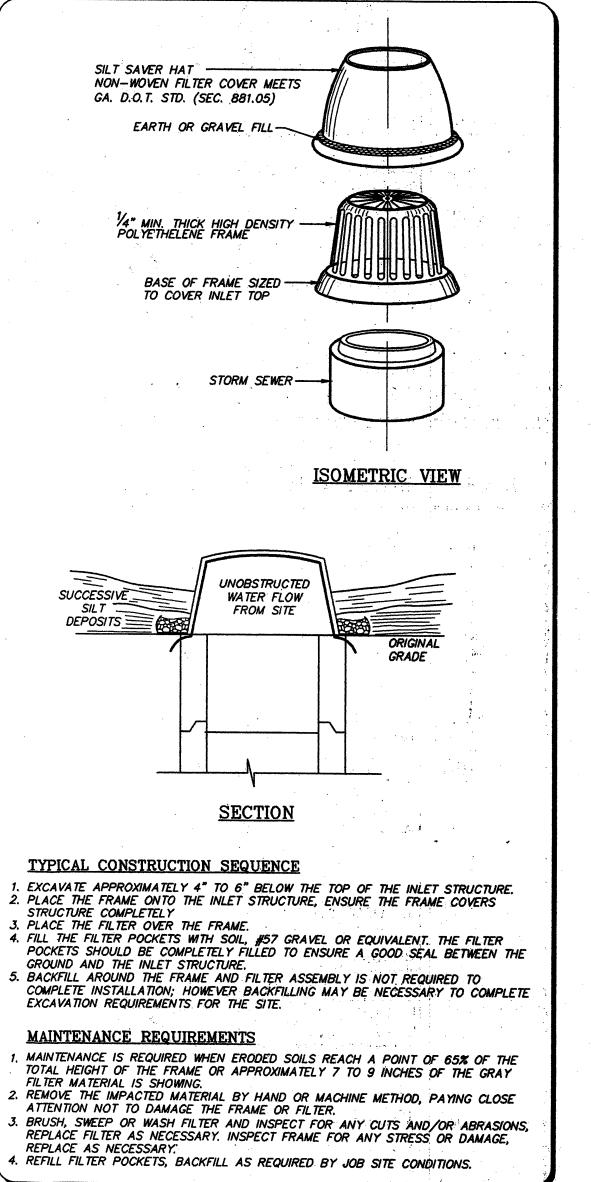
be steeper than 2:1. Slopes to be maintained by tractor or other equipment should not be steeper than 3:1. Roughen the surface of all slopes during the construction operation to retain water, increase infiltration, and facilitate vegetation establishment. Seeps or springs encountered during construction shall be handled in accordance with approved methods.

Stabilize all graded areas with vegetation, crushed stone, riprap, or other ground cover as soon as grading is completed or if work is interrupted for 21 working days or more. Use mulch to stabilize areas temporarily where final grading must be delayed. Stockpiles, borrow areas and spoil areas shall be shown on the plans and shall be stabilized to

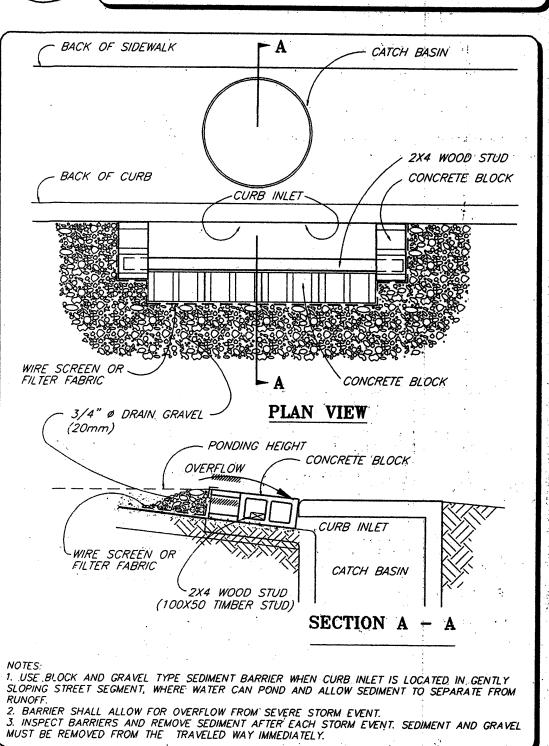
Slopes in excess of 2:1 will require hydroseeding or mulching. Tactifying, and/or "punching—in" straw, bioengineering techniques, or retaining walls may also be required on these slopes.



EROSION CONTROL MATTING



SEDIMENT TRAP SILT SAVER FRAME & FILTER ASSEMBLY



CURB INLET FILTER CURB INLET SEDIMENT BARRIER (BLOCK & GRAVEL)

FOR USE AFTER PAVING AND CATCH BASINS HAVE BEEN INSTALLED, OR ON EXISATING CATCH BASINS

TEMPORARY GRAVEL CONSTRUCTION ENTRANCE/EXIT

Construction Specifications: The aggregate size for construction of the pad shall be 2-3 inch (51-76 mm) stone. Place the gravel to the specific grade and dimensions shown on the plans, and smooth it. The thickness of the pad shall not be less than 6 inches (0.2 m). Use geotextile fabrics, if necessary, to improve stability of the foundation in locations subject to seepage or high water

The width of the pad shall not be less than the full width of all points of ingress or egress and in any case shall not be less than 20 feet (3.6 m) wide. The length of the pad shall be as required, but not less than 50 feet (15.2 m).

Locate construction entrances and exits to limit sediment leaving the site and to provide for maximum utility by all construction vehicles. Avoid entrances which have steep grades and entrances at curves in public roads. The entrance shall be maintained in a condition that will prevent tracking or flowing of

sediment onto public rights-of-way. This may require periodic top dressing with additional stone as conditions demand, and repair and/or maintenance of any measures used to trap All sediment spilled, dropped, washed or tracked onto public rights-of-way shall be removed

immediately.

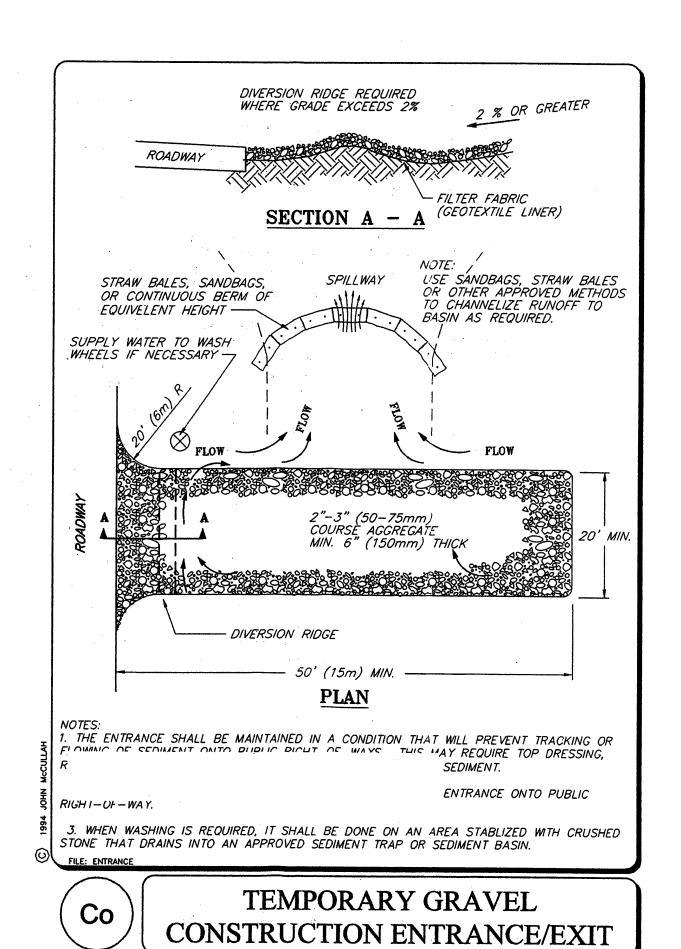
When necessary, wheels shall be cleaned to remove sediment prior to entrance onto public rights-of-way. When washing is required, it shall be done on an area stabilized with crushed stone that drains into an approved sediment trap or sediment basin. All sediment shall be prevented from entering any storm drain, ditch or watercourse through use of sand bags, gravel, straw bales, or other approved methods.

Inspection and Maintenance:

Maintain the gravel pad in a condition to prevent mud or sediment from leaving the

Replace gravel material when surface voids are visible.

After each rainfall, inspect any structure used to trap sediment and clean it out as necessary. Immediately remove all objectionable materials spilled, washed, or tracked onto public roadways. Remove all sediment deposited on paved roadways within 24 hours.



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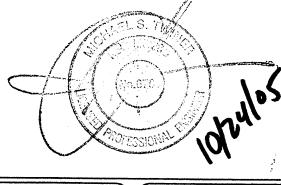
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EROSION & SEDIMENT CONTROL DETAILS

SCALE: NTS DATE:

OCT. 13, 2004 PROJECT: 04177.00

THIS SEAL IS ONLY VALID IF COUNTER SIGNED AND DATED WITH AN ORIGINAL SIGNATURE.



SHEET

LANDSCAPING DESCRIPTION

THE TEXAS RED OAK IS A MEDIUM SIZED TREE THAT CAN ACHIEVE A HEIGHT OF THIRTY OR MORE FEET WITH AN EQUAL SPREAD. THIS TREE WILL DEVELOP A RATHER TYPICAL SHAPE AND FORM FOR THE SPECIES WITH ITS DENSE, ROUNDED CANOPY. IT CAN ALSO BE FOUND IN THE WILD AS A MULTI-STEMMED VARIETY. THE TREES ARE MODERATELY FAST GROWING, ESPECIALLY FOR A HARDWOOD TREE. THEIR BARK IS THICK WITH SCALY RIDGES THAT ARE SEPARATED BY DEEP, DARK FURROWS. THE TEXAS RED OAK IS ALSO KNOWN AS THE SPANISH OAK, SPOTTED OAK, RED OAK AND ROCK OAK.

THE NEW MEXICO OLIVE IS A DECIDUOUS SHRUB OR SMALL TREE OF THE OLEACEAE FAMILY. AIRLY FAST GROWTH MAKES IT A GOOD SCREENING PLANT AS WELL AS A LANDSCAPE ITEM IN ARID CLIMATES. DOES WELL IN FULL SUN. DOES WELL IN RIPARIAN AREAS (ALONG STREAMS AND NEAR LAKES). THIS IS A TREE THAT CAN BE PRUNED AND USED IN A VARIETY OF WAYS. SOMETIMES MULTI-TRUNKED, IT MAKES AN ATTRACTIVE LANDSCAPE TREE, SHORT ENOUGH TO GROW BENEATH UTILITY LINES. IT CAN BE PRUNED INTO A SHRUB OR A HEDGE FOR SCREENING, GARDEN DELINEATION, OR USED AS ONE ELEMENT OF A WINDBREAK.

THE GOLDEN RAIN TREE IS A MEDIUM-SIZED, OPEN-BRANCHED, DECIDUOUS TREE. THE BLUE-GREEN LEAVES TURN YELLOW IN FALL. LONG PANICLES OF FRAGRANT FLOWERS ARE FOLLOWED BY ATTRACTIVE, PAPERY, LANTERN-LIKE PINK TO RED BLUSHED SEED PODS. FULL SUN. MODERATE-GROWING TO 20 TO 30 FEET HIGH, 25 TO 35 FEET WIDE.

THE INDIAN HAWTHRONE IS A SMALL EVERGREEN SHRUB WITH SIMPLE SERRATED LEAVES AND LOOSE CLUSTERS OF PINKISH-COLORED FLOWERS IN SPRING. IT CAN GROW UP TO 5 FEET TALL AND WIDE WITH A SLOW GROWTH GRAT. THE FOLIAGE IS ALTERNATE, LIGHT GREEN LEAVES, OFTEN CLUSTERED AT TWIG TIPS, WIDER AT END AND NARROWER AT BASE. THE FRUIT IS SMALL GREEN TO BLACK BERRIES IN CLUSTERS. THE FLOWERS ARE SMALL, WHITE TO ROSE COLORED, IN SMALL CLUSTERS IN SPRING. THE SHURB GROWS IN FULL SUN TO PARTIAL SHADE WITH ACID TO ALKAINE SOIL. THE SHRUBS HAVE A MEDIUM DROUGHT TOLERANCE.

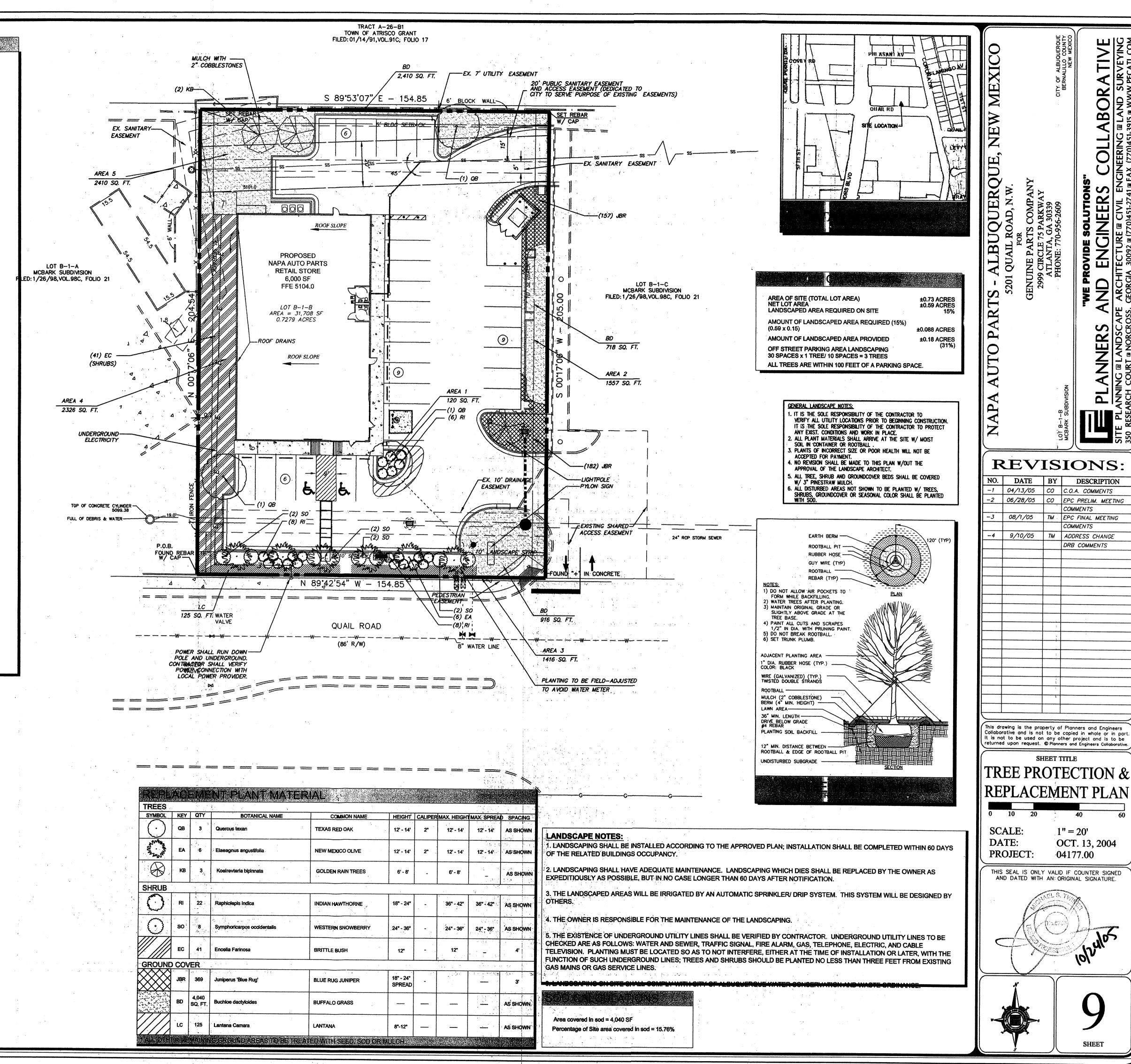
THE WESTERN SNOWBERRY IS A MULTI-BRANCHED SHRUB, UP TO 1 M TALL; YOUNG TWIGS PALE GREEN TO LIGHT RED-BROWN; OLDER BARK GREY-BROWN, SHREDDING; READILY PRODUCES SUCKERS TO FORM DENSE THICKETS. THE LEAVES ARE SIMPLE, OPPOSITE, OBLONG, 3 - 6 CM LONG, THICK, GREY-GREEN, PALER BELOW; EDGES SMOOTH WAVY-TOOTHED OR OCCASIONALLY LOBED. THE FLOWERS ARE IN SMALL CLUSTERS AT BRANCH TIPS OR IN LEAF AXILS; PINKISH WHITE, URN-SHAPED, 4-10 MM LONG, WHITE-HAIRY INSIDE; TAMENS USUALLY PROTRUDE FROM FLOWER; STYLE HAIRY, 4-5 MM LONG; APPEARING LATE JUNE TO AUGUST. THE FRUITS ARE GREENISH WHITE, BERRY-LIKE DRUPES, 6-10 MM LONG, IN DENSE CLUSTERS, TURN PURPLE IN AUTUMN, OFTEN LAST THROUGH INTER, BELIEVED POISONOUS

THE BRITTLE BUSH IS A SMALL DECIDUOUS SHRUB THAT GROWS AS A LOW, ROUNDISH MOUND 2 TO 5 FEET HIGH. BRITTLE BRANCHES SPROUT FROM A WOODY TRUNK. THE LEAVES HAVE SERRATED EDGES, AND ARE BROADER AT THE BASE THAN AT THE TIP. THEY ARE ABOUT 1 TO 4 INCHES LONG. THE LEAVES ARE COVERED WITH A THICK MAT OF SHORT HAIRS GIVING A GRAY-GREEN APPEARANCE.

BLUE RUG JUNIPER HAVING A UNIFORM, FULL CENTERED GROWTH HABIT WITH INTENSE SILVER-BLUE FOLIAGE. EXCELLENT EVERGREEN FOR LARGE SCALE GROUND COVERS OR CASCADING OVER WALLS. FULL SUN. FAST-GROWING TO 6 INCHES HIGH, SPREADS 6 TO 8 FEET. CUTTING GROWN.

BUFFALO GRASS IS OFTEN TALL, GREYISH-GREEN IN APPEARANCE AND HAS A FINE TEXTURE. COMMONLY FOUND IN THE WEST, SOUTHWEST, GREAT PLAINS, AND CANADA, IT IS A GRASS WELL SUITED FOR CONDITIONS OF DROUGHT, HIGH HEAT, HIGH WINDS, AND COOL WINTERS. IT IS A RUGGED GRASS THAT GROWS WELL IN LOAM & CLAY SOILS, AND NOT WELL IN SANDY SOILS.

LANTANA (YELLOW SAGE) IS A PERENNIAL SHRUB REACHING 12-18 INCHES TALL. LEAVES ARE OPPOSITE, OVATE, 1-5 INCHES LONG AND 1-2 INCHES WIDE, WITH VERY SMALL ROUNDED TEETH, SOMEWHAT ROUGH AND HAIRY. LEAVES ARE AROMATIC WHEN CRUSHED. FLOWERS ARE BORNE IN DENSE CLUSTERS 1-2 INCHES ACROSS ON THE AXILS NEAR THE TOP OF THE STEM. EACH FLOWER IS TUBULAR WITH 4 LOBES FLARING TO ABOUT 1/4 INCH, INITIALLY YELLOW OR PINK GRADUALLY CHANGING TO ORANGE AND DEEP RED. OFTEN, THE DIFFERENT COLORED FLOWERS ARE PRESENT ON THE SAME CLUSTER. FRUIT IS FLESHY, GREENISH-BLUE TO BLACK, AND BERRY-LIKE WITH EACH CONTAINING ONE SEED.



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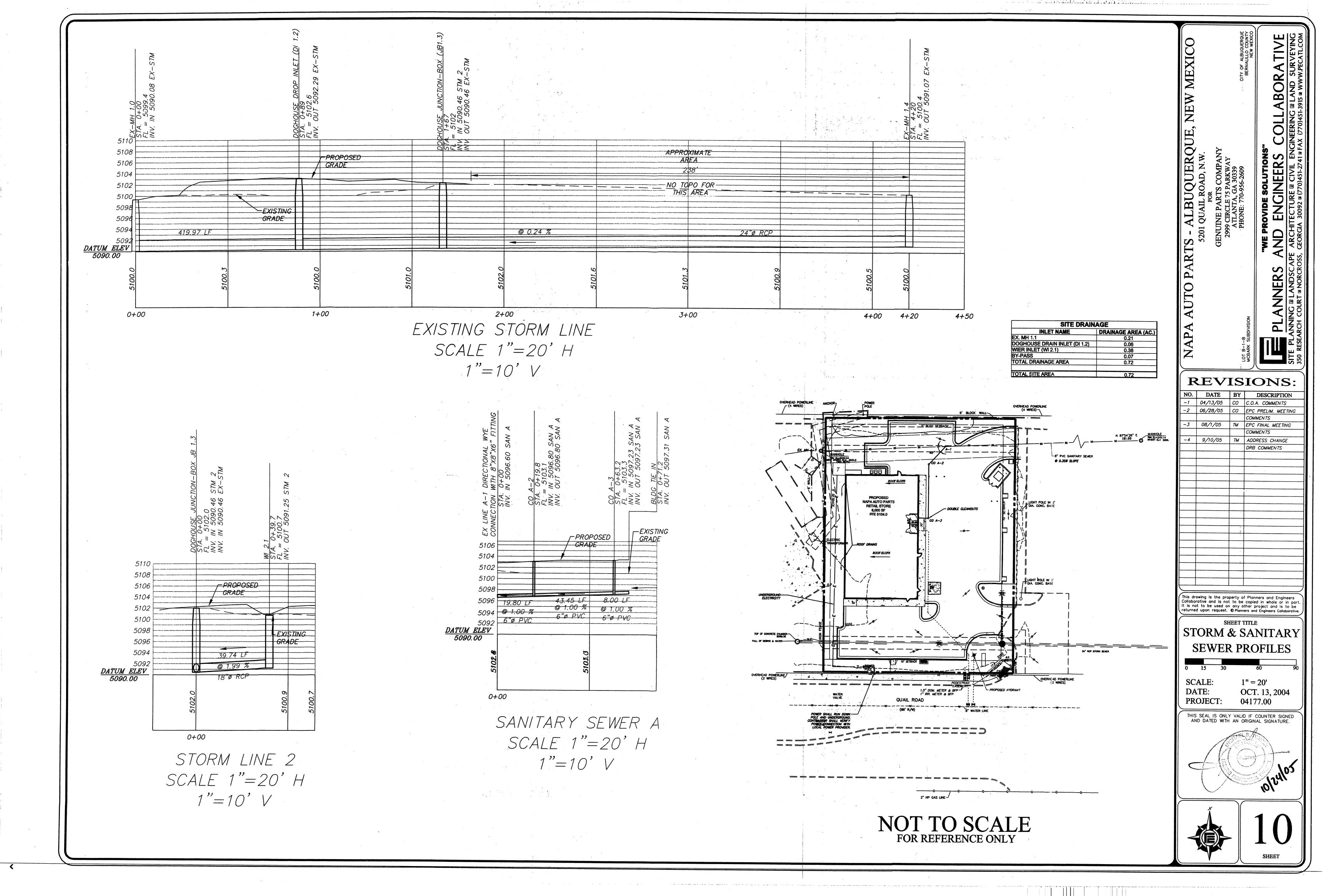
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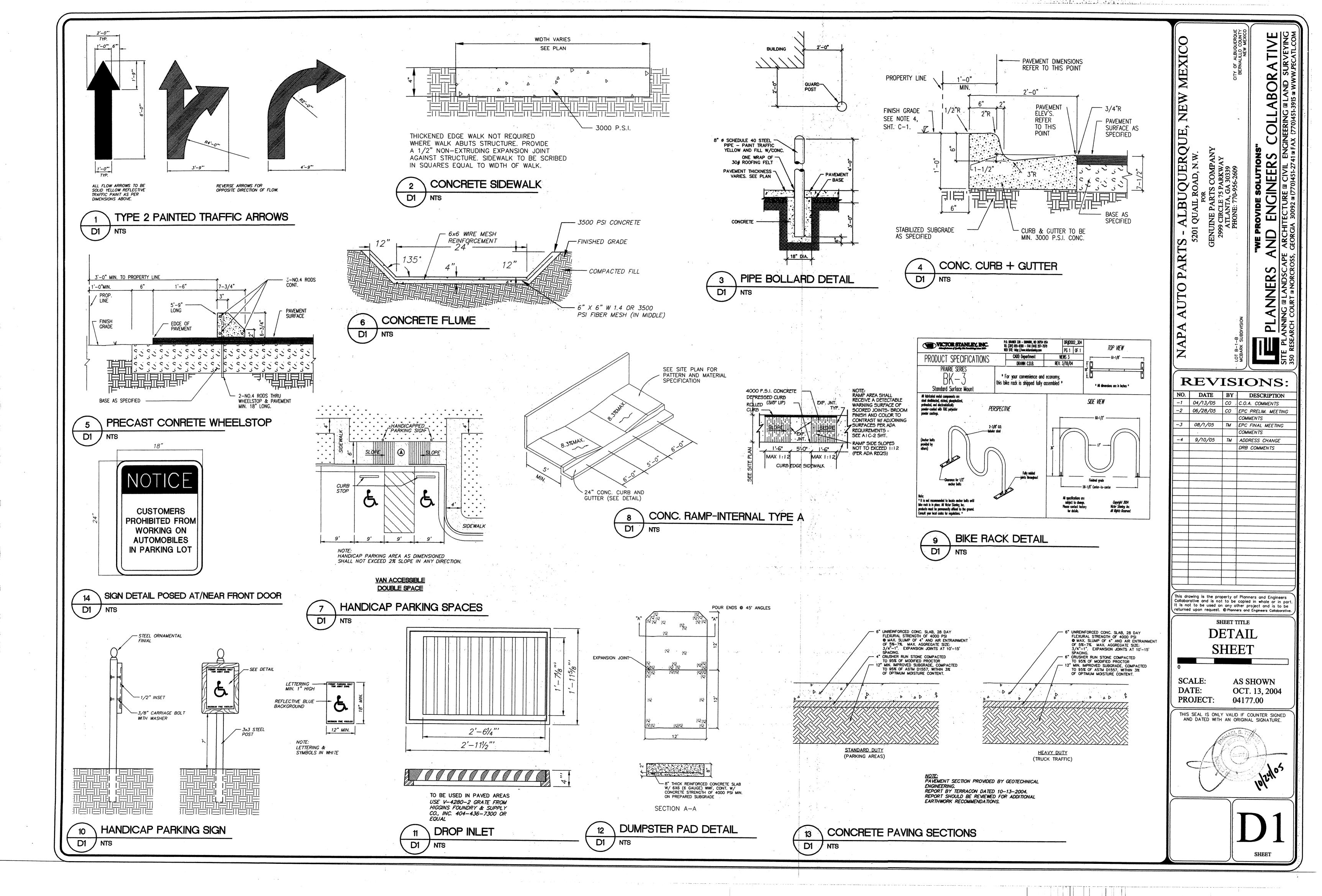
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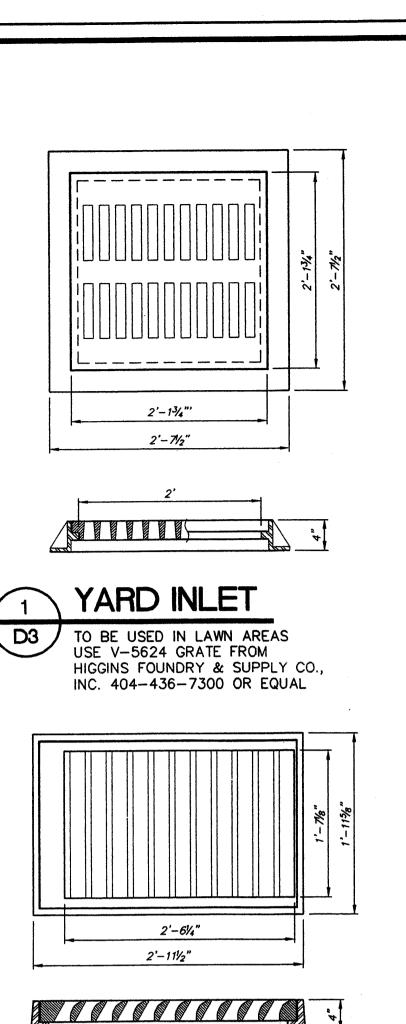
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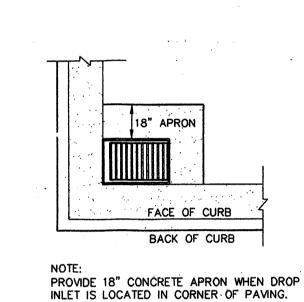




TO BE USED IN PAVED AREAS

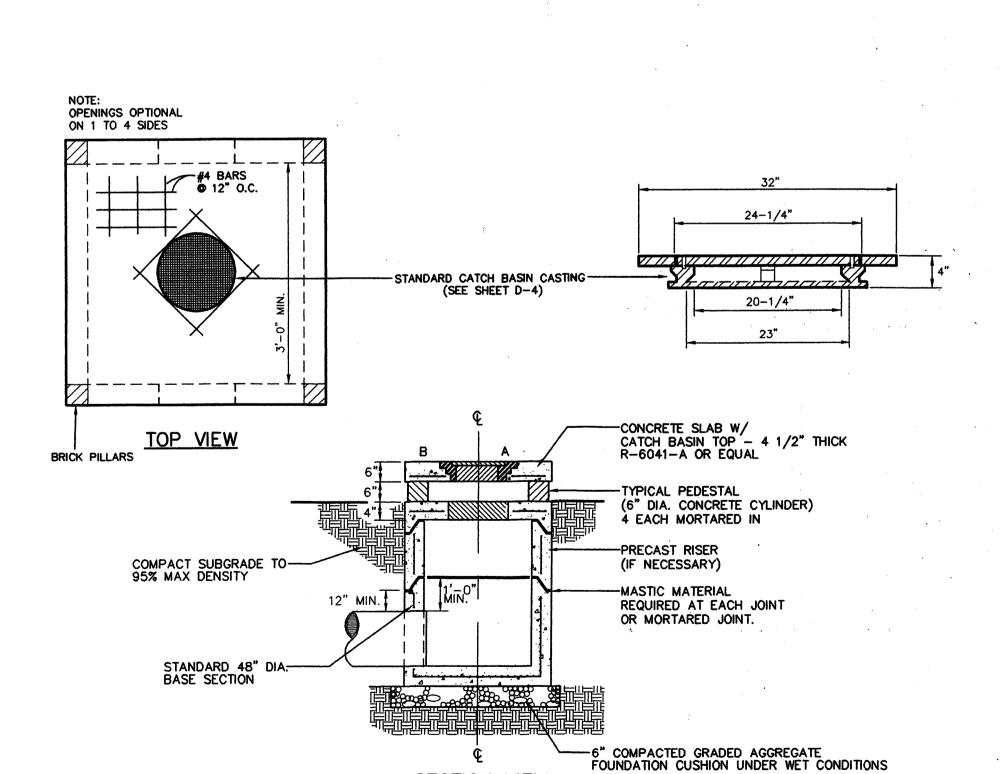
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INC. 404-436-7300 OR EQUAL



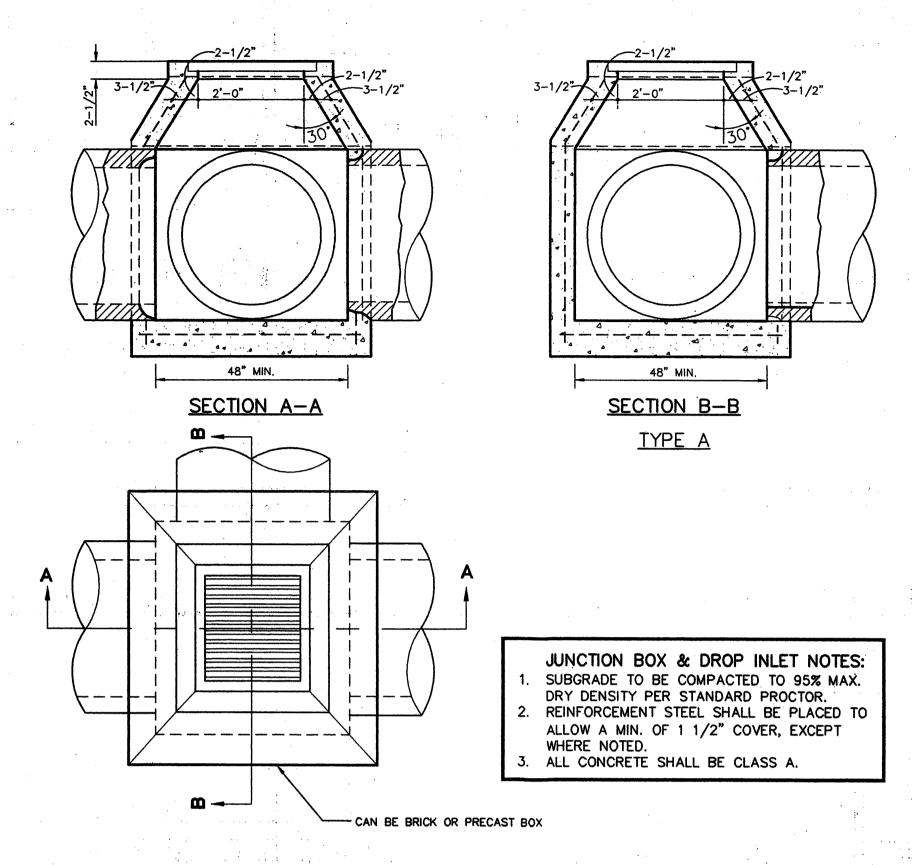
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TO BE USED IN PAVED AREAS USE V-4280-2 GRATE FROM HIGGINS FOUNDRY & SUPPLY CO., INC. 404-436-7300 OR EQUAL

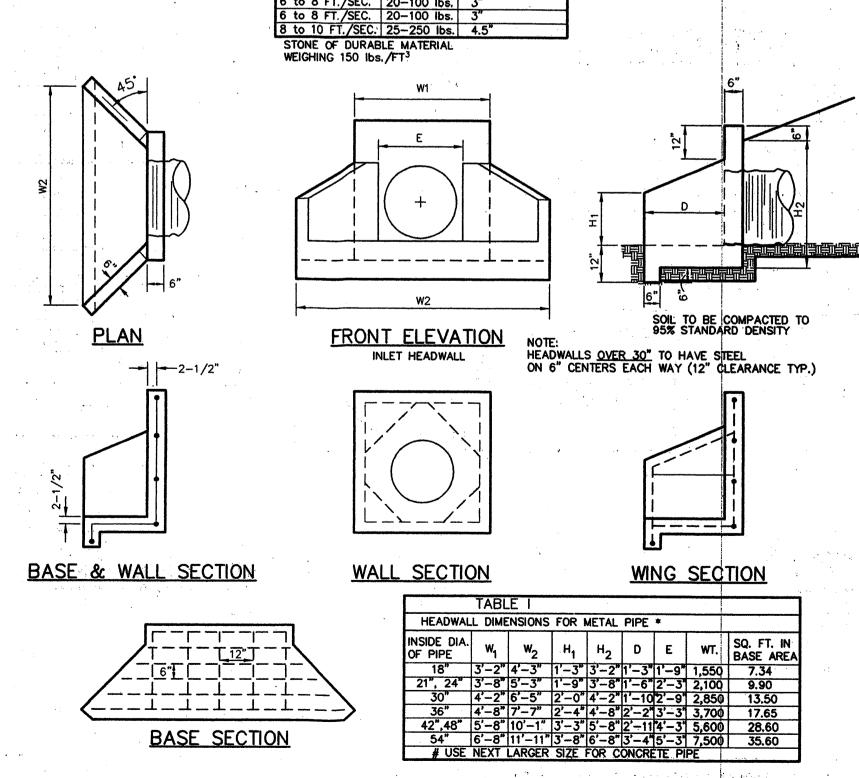




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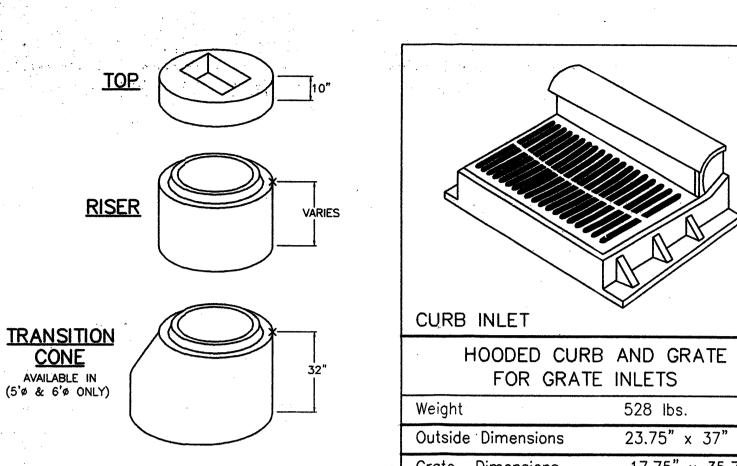


JUNCTION BOX JUNCTION BOXES IN PAVED AREAS SHALL HAVE HEAVY DUTY RING & COVER ABLE TO WITHSTAND TRAFFIC LOADS



SLOPE & FILTER MATERIAL - RIP RAP

PRECAST CONCRETE HEADWALL SYSTEM



,	Grate Dimei	nsions	17.75 x	35.
	SCHEDULE OF FOR PIPE OVER 7'-0	GOVERNING DIMENSION DEPTH AND ROUND	ns Structures.	
•	MAX. PIPE O.D. FOR 90' DEFLECTION	MAX. PIPE O.D. FOR O' DEFLECTION	MANHOLE Ø	
	28"	34"	4'-0"	
	37"	46"	5'-0"	
	45"	58"	6'-0"	
	54"	70"	7'-0"	
	62"	82"	8'-0"	
	79*	88"	10'-0"	

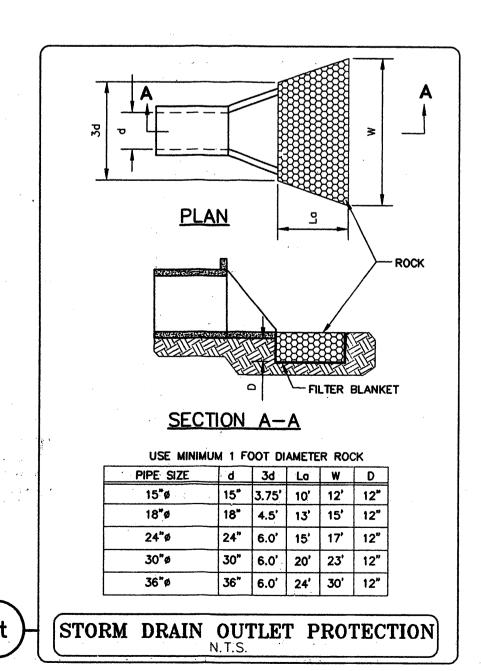
FOR GRATE INLETS

528 lbs.

23.75" x 37"

CURB INLET

(PRECAST CONCRETE CATCH BASIN SYSTEM W/HOODED GRATE)



8 RIP RAP DETAIL

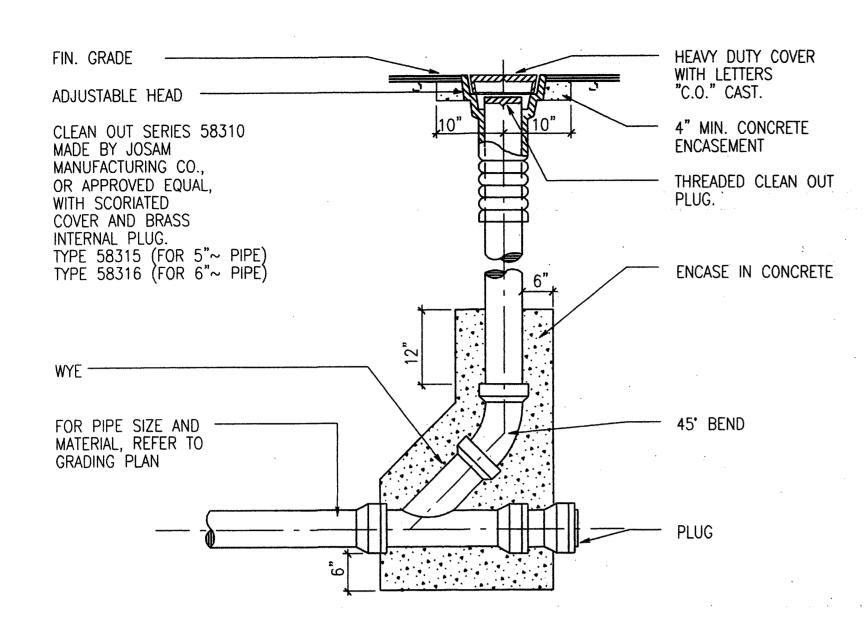
to a thing had be the high of the man before a bank it had the analysis and a second and a second to be a second at the contract of the contra

REVISIONS: NO. DATE BY DESCRIPTION -1 04/13/05 CO C.O.A. COMMENTS -2 06/28/05 CO EPC PRELIM. MEETING COMMENTS 3 08/1/05 TM EPC FINAL MEETING COMMENTS -4 9/10/05 TM ADDRESS CHANGE DRB COMMENTS This drawing is the property of Planners and Engineers Collaborative and is not to be copied in whole or in part. It is not to be used on any other project and is to be returned upon request. © Planners and Engineers Collaborative.

SHEET TITLE **STORM** STRUCTURE DETAILS

AS SHOWN SCALE: DATE: PROJECT:

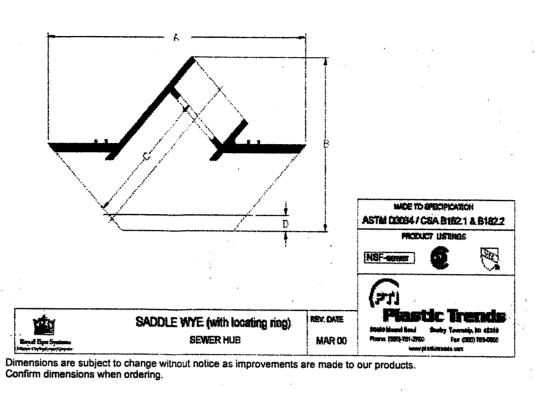
OCT. 13, 2004 04177.00





Plastic Trends

PVC Solvent Weld Sewer Fittings SDR 35
Saddle Wye w/ Locating Ring



Size	Part Number	A	В	С	D	E	F	G	н
6 x 6 x 4	P4306-4	13.50	8.84	6.81	1.18	0.00	0.00	0.00	0.00
8 x 8 x 4	P4308-4	14.57	10.40	8.41	1.62	0.00	0.00	0.00	0.00
8 x 8 x 6	P4308-6	15.75	12.80	9.44	1.62	0.00	0.00	0.00	0.00

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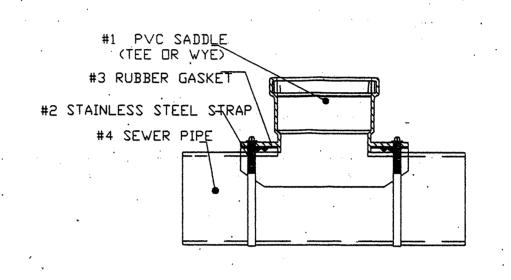
WYE CONNECTION TO SEWER MAIN

FOR REFERENCE ONLY

Sewer Saddle Fitting Assembly Instructions

Items to be Assembled: #1 - PVC Saddle (Tee or Wye) #2 - Stainless Steel Strap

Step 2: Using a saw (key hole or electric sabre), cut 1/2" outside the line. Remove coupon from inside of pipe. Scrape any burns that appear around the hole with a pocket knife or similar scraping tool..



REVISIONS

ARTS - ALBUQUERQUE, 5201 QUAIL ROAD, N.W.

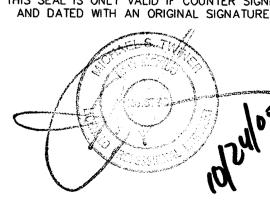
NO. DATE BY DESCRIPTION 04/13/05 CO C.O.A. COMMENTS CO EPC PRELIM. MEETING 08/1/05 TM EPC FINAL MEETING COMMENTS 9/10/05 TM ADDRESS CHANGE DRB COMMENTS

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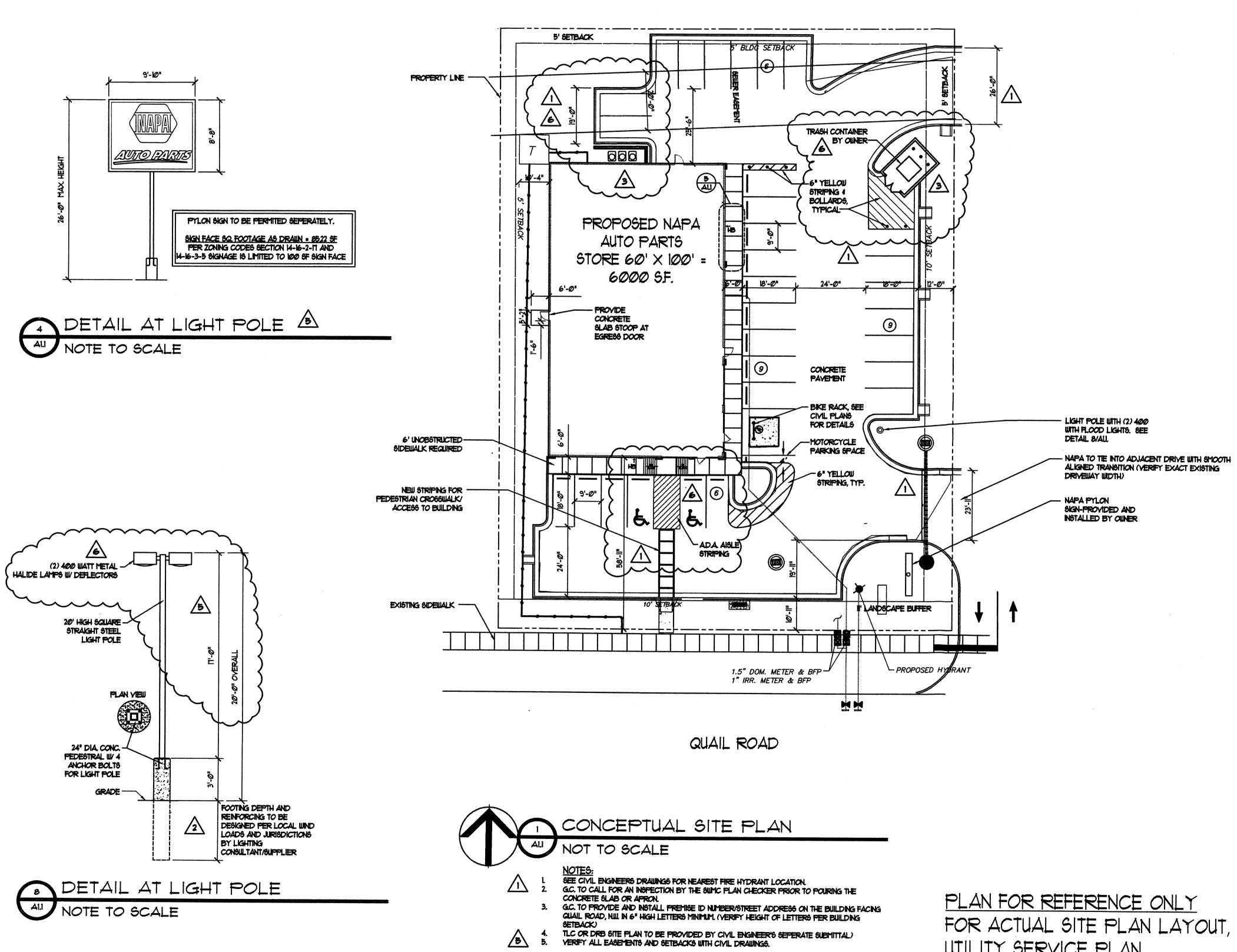
STRUCTURE DETAILS

OCT. 13, 2004 PROJECT:

AS SHOWN







- TOOLED JOINT-V3" DEPTH OF SIDEWALK-5'-0" ON CENTER

30'-0"

8'-0"

AUTO PARTS

COMING SOON

TEMPORARY: ELEVATION-PROJECT SIGN

DETAIL AT SIDEWALK

1/4" CORK ASPHALT -EXPANSION JOINT 30"-0" O.C.

CONTRACTOR NOTE: TO PURCHASE SIGN BANNER CALL HELM, I NC-(1800) 882-6272 NAPA PART 193

-LAMINATED PLASTIC/

PAPER SIGN

OVER 1/2" C/D EXT PLYWOOD

-4×4 P.T. WOOD

POST TYPICAL FOR 2

UNOBSTRICTED SIDEWALK TO

MEET BUILDING CODES-

NOT TO SCALE

OSWELL + NITISHIN

and the control of th

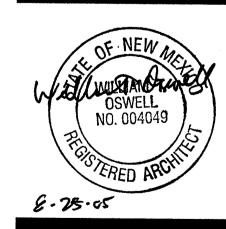
ARCHITECTURE LAND DEVELOPMENT

1234 POWERS FERRY COMMONS SUITE 105 MARIETTA, GEORGIA 30067 770/956-8879 TELEPHONE 770/956-8931 FACSIMILE

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ORIGINAL ISSUE DATE: 11/05/04 REVISIONS

1 3/10/05: CITY COMMENTS

2 4/13/05: 3RD CITY SUBMITTAL

5 8/15/05: DRB COMMENTS 6 8/26/05: DRB COMMENTS

FOR ACTUAL SITE PLAN LAYOUT,

LANDSCAPING, DRAINAGE AND

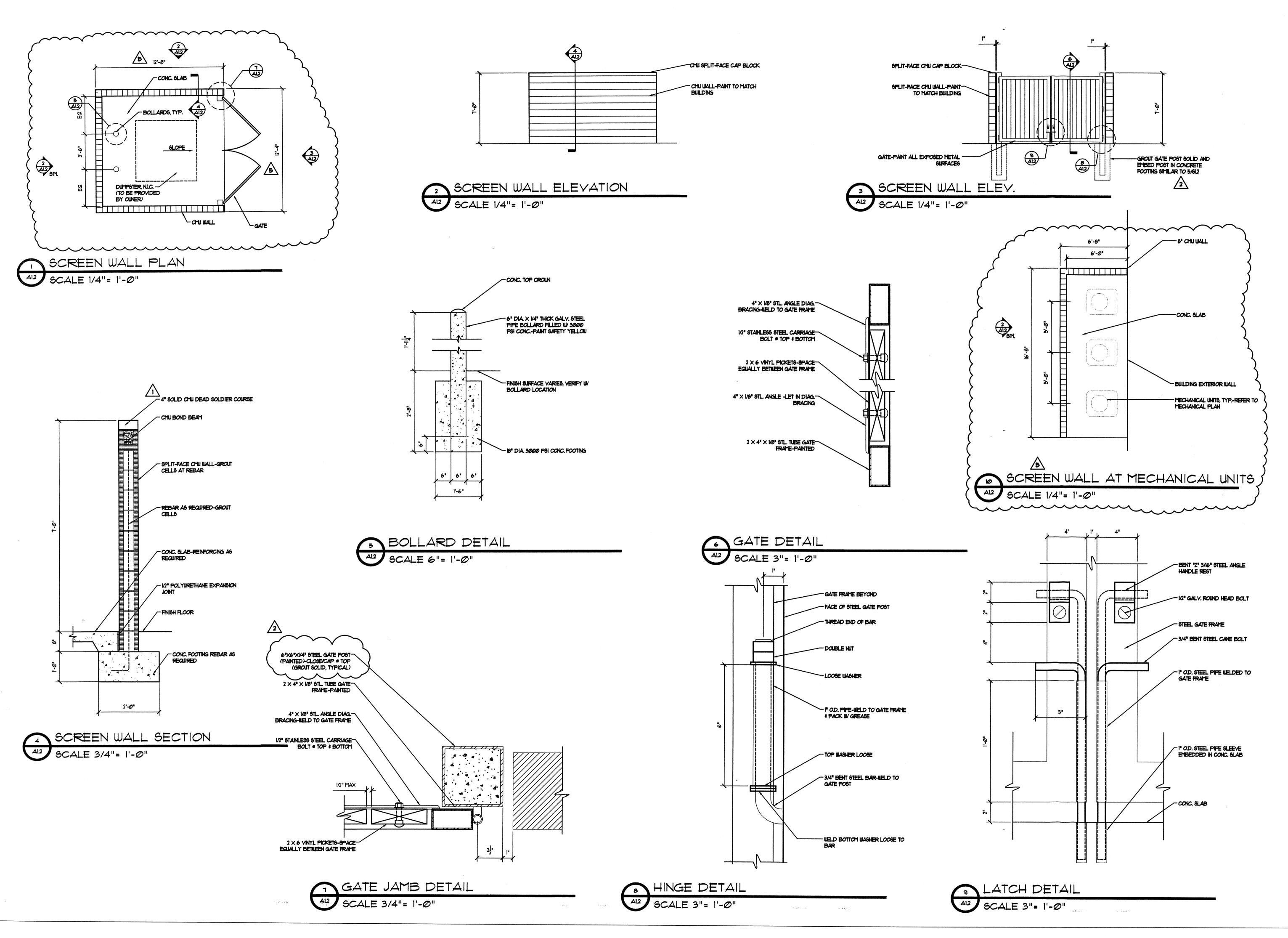
SITE DETAILS, REFER TO CIVIL

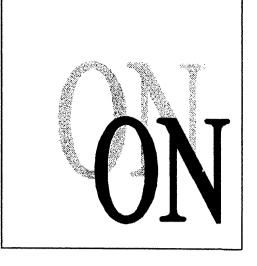
UTILITY SERVICE PLAN,

ENGINEER'S DRAWINGS

SITE PLAN AND DETAILS

Project Number 20040067





OSWELL + NITISHIN

ARCHITECTURE
LAND DEVELOPMENT

1234 POWERS FERRY COMMONS SUITE 105 MARIETTA, GEORGIA 30067 770/ 956-8879 TELEPHONE 770/ 956-8931 FACSIMILE

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NAPA AUTO PAR STORE



ORIGINAL ISSUE DATE: 11/05/04
REVISIONS

1 3/10/05: CITY COMMENTS

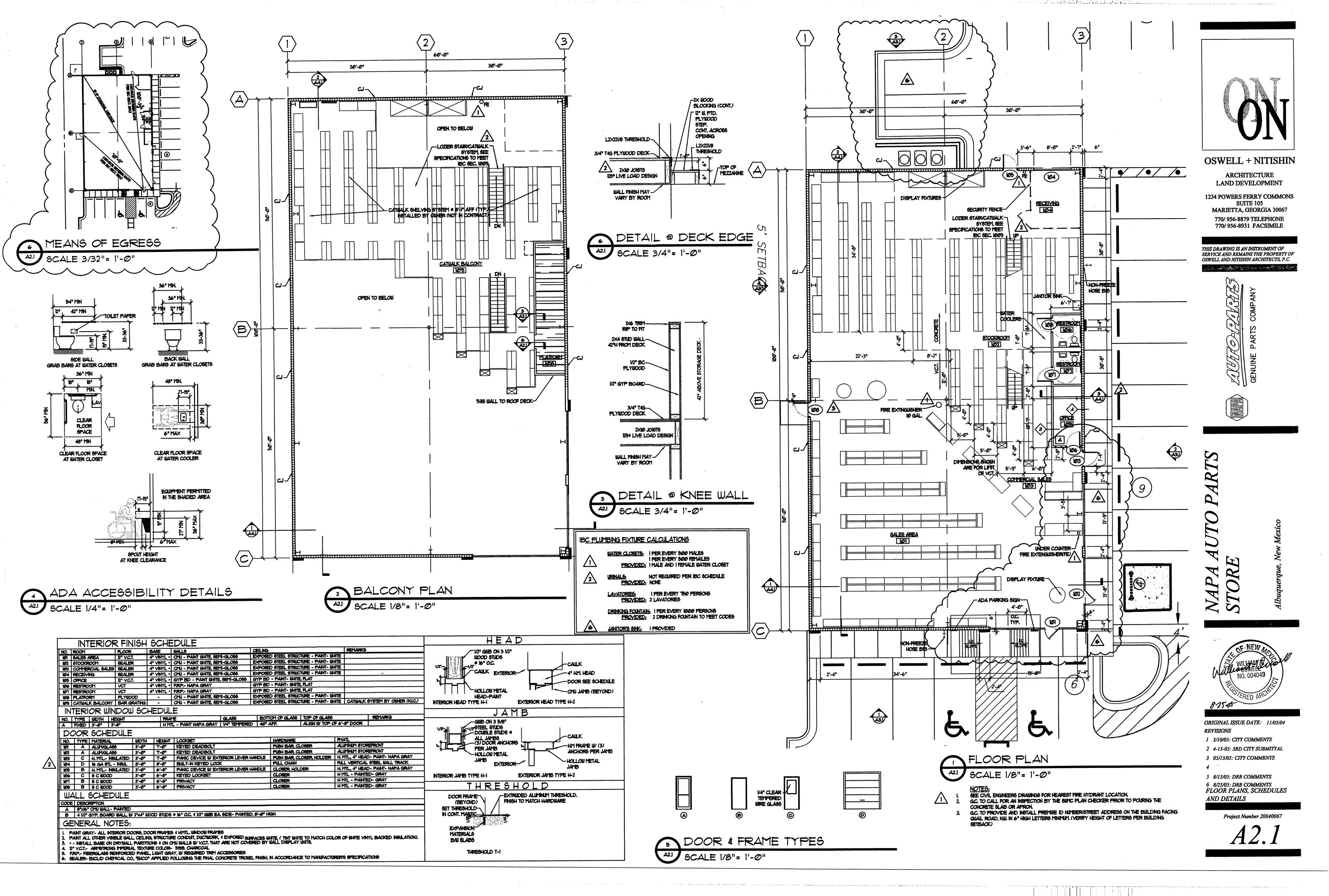
2 4/13/05: 3RD CITY SUBMITTAL

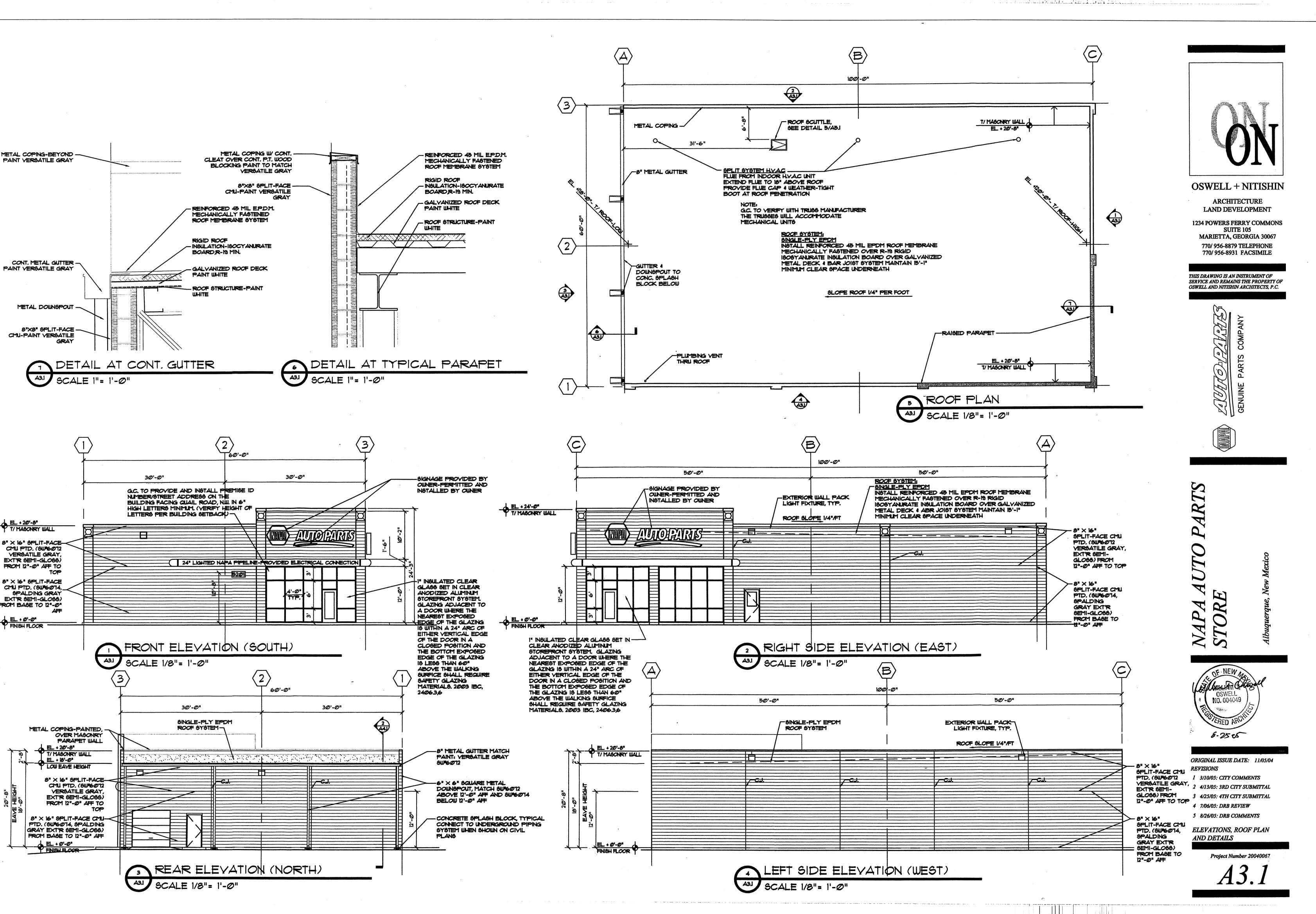
5 8-15-05: DRB COMMENTS

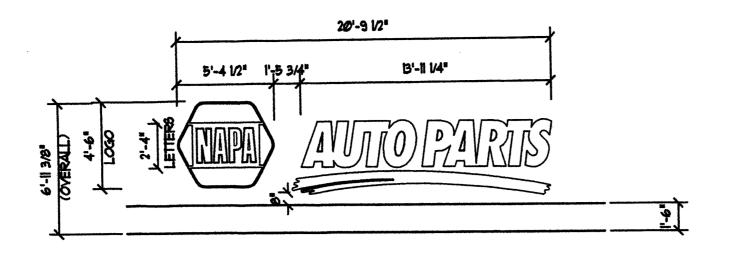
DUMPSTER DETAILS

Project Number 20040067

A1.2



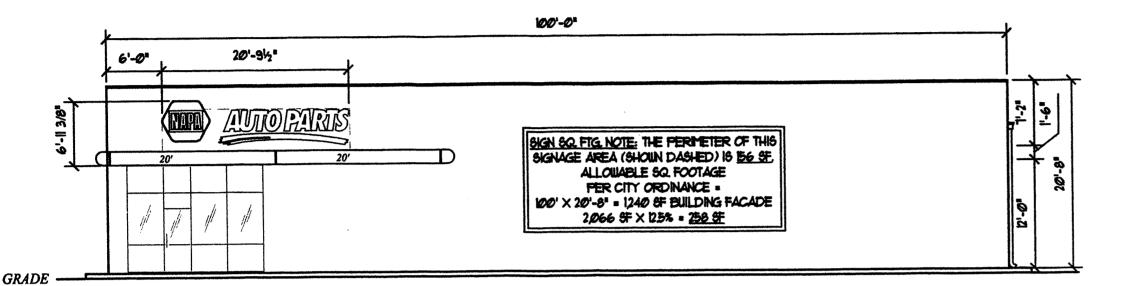


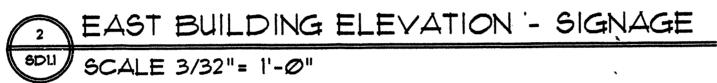


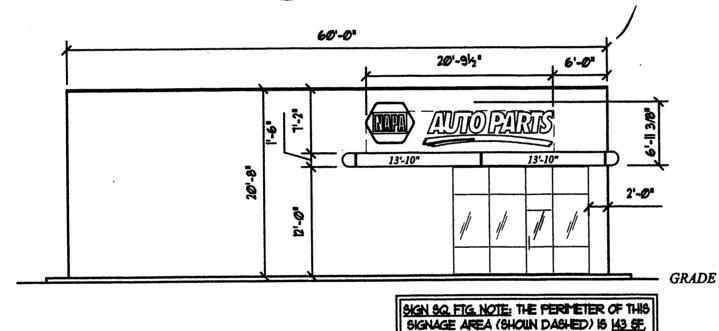
SIGNAGE DIMENSIONS

SCALE: 3/32"=1'-0"

SIGN DIMENSIONS SCALE 3/32"= 1'-0"







60'X100'
DOUBLE-DECK STOCKROOM
OPTION *1
6000 SQ./FT.

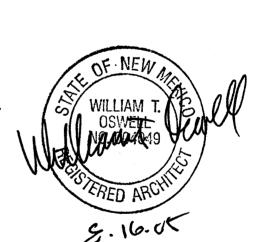
ENTRANCE ON SHORT SIDE OF BUILDING

NOTE: PIPELINE ENDCAPS & CORNERCAPS ADD 1'-6" (PER) TO LENGTH(S) OF STRAIGHT SECTIONS



ALLOWABLE SQ. FOOTAGE

FER CITY ORDNANCE = 60' × 20'-8" = 1240 SF BUILDING FACADE 1240 SF × 125% = 154 SF





OSWELL + NITISHIN

ARCHITECTURE
LAND DEVELOPMENT

1234 POWERS FERRY COMMONS SUITE 105 MARIETTA, GEORGIA 30067 770/ 956-8879 TELEPHONE 770/ 956-8931 FACSIMILE

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NAPA AUTO PARTS STORE

2930 QUAIL ROAD ALBUQUERQUE, NEW M

ORIGINAL ISSUE DATE: 8/15/05
REVISIONS

FAIRMONT SIGN ELEVATIONS

Project Number 20040067