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LOCATION PLAN
NOT TO SCALE

CONSTRUCTION DRAWINGS

NORTHSIDE AND MISCELLANEOUS PROPERTIES CLOSURE DESIGN

CONTRACT NO. S-8013

COPY

SOLUTIA INC.
ANNISTON, ALABAMA

O'BRIEN & GERE
ENGINEERS INC.

ALABAMA REGISTERED No. 16558 PROFESSIONAL ENGINEER
6/29/98

INDEX TO DRAWINGS

2600.037-005

6/25/98

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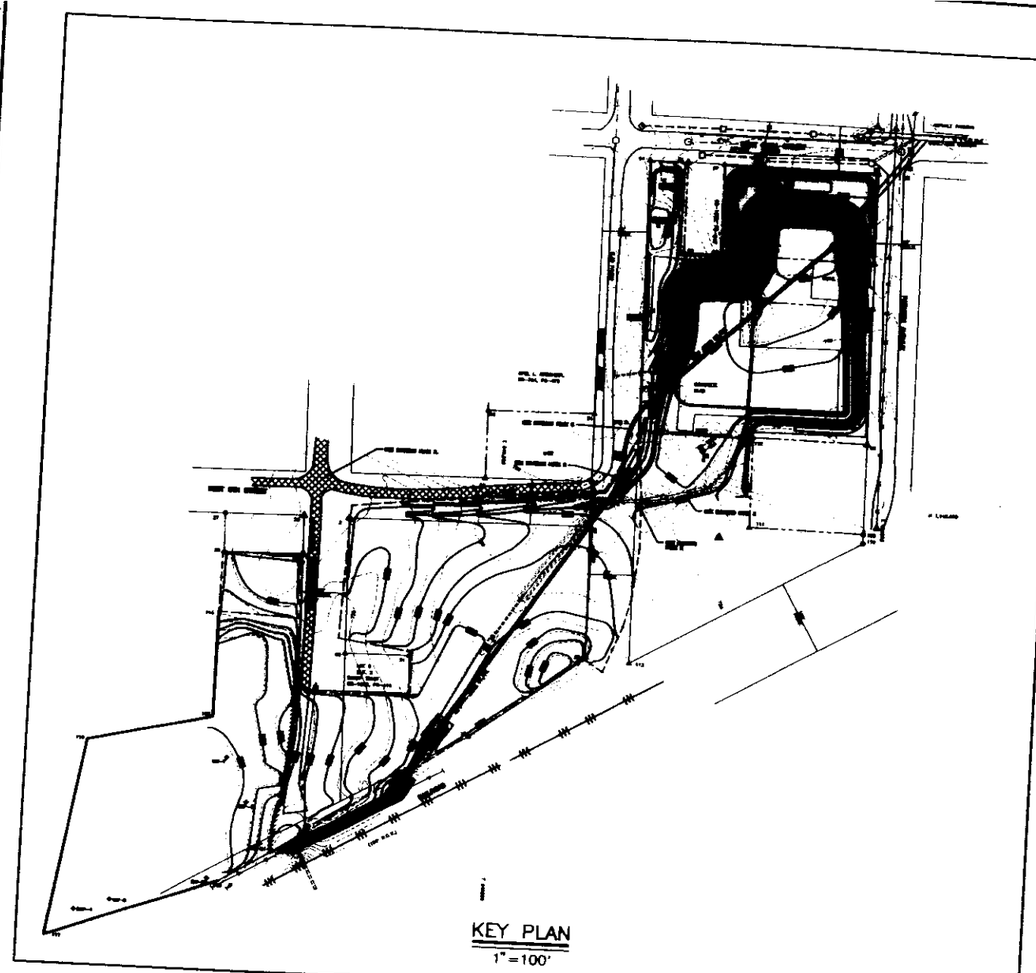

KEY PLAN
1"=100'

GENERAL NOTES

SURVEY AND MAPPING:

1. EXISTING TOPOGRAPHIC FEATURES, BOUNDARY INFORMATION AND EXISTING UTILITY LOCATIONS TAKEN FROM A TOPOGRAPHIC MAP PREPARED BY ALMON ASSOCIATES, INC. – DATED 12/3/97, JOB NO. 96-088.09
2. TOPOGRAPHIC BENCH MARK MP#3 ELEVATION 729.33 CHISELED SQUARE IN S/W CORNER OF OVERHEAD SIGNAL ON RAILROAD 200'± WEST OF CLYDESDALE CROSSING.

ALABAMA STATE SPECIFICATIONS:

1. ANY REFERENCE TO ALABAMA DOT STANDARD SPECIFICATIONS IS LIMITED IN SCOPE TO TECHNICAL ENGINEERING AND CONSTRUCTION WORK, MATERIALS DETAILS, PROCEDURES, ETC. ALL REFERENCES TO THE ALABAMA DOT OR ADMINISTRATIVE OFFICERS OR EMPLOYEES THEREOF ARE NULL AND VOID WITH RESPECT TO LEGAL OR CONTRACTUAL RESPONSIBILITIES.
2. FOR CLARIFICATION, WHERE THE STATE OF ALABAMA OR THE ALABAMA DOT OR ADMINISTATIVE OFFICERS OR EMPLOYEES THEREOF ARE NAMED IN THE STANDARD SPECIFICATIONS, SUCH REFERENCES SHALL BE TAKEN TO MEAN EITHER ENGINEER OR OWNER.
3. CONTRACTOR SHALL OBTAIN MATERIALS TO BE INCORPORATED INTO THE WORK FROM ALABAMA DOT APPROVED SOURCES WHERE ALABAMA DOT MATERIALS ARE SHOWN ON THE CONTRACT DRAWINGS. THE CONTRACTOR SHALL OBTAIN AND SUBMIT A MANUFACTURER'S MATERIAL CERTIFICATION TO THE ENGINEER FOR EACH MATERIAL ITEM, AS SPECIFIED – SHOP DRAWINGS, PRODUCT DATA AND SAMPLES OF THE GENERAL REQUIREMENTS, INDICATING THAT THE RESPECTIVE ITEM MEETS THE APPLICABLE ALABAMA DOT OR SPECIAL SPECIFICATIONS INCLUDED IN THIS CONTRACT.
4. THE CONTRACTOR IS ADVISED THAT THE METHOD OF MEASUREMENT AND BASIS OF PAYMENT FOR INDIVIDUAL ALABAMA DOT ITEM NUMBERS DOES NOT REFLECT THE OWNER'S METHOD OF MEASUREMENT AND/OR BASIS OF PAYMENT.

GENERAL UTILITY:

1. PLANS SHOW APPROXIMATE LOCATIONS OF KNOWN UTILITIES ONLY. THE CONTRACTOR IS RESPONSIBLE FOR HAVING ALL UTILITIES WITHIN THE LIMITS OF WORK STAKED PRIOR TO THE START OF CONSTRUCTION.
2. THE CONTRACTOR SHALL VERIFY THE LOCATIONS AND ELEVATIONS OF ALL EXISTING UTILITIES TO REMAIN IN SERVICE PRIOR TO THE START OF CONSTRUCTION. THE ALABAMA LINE LOCATION CENTER TO BE NOTIFIED 72 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION (1-800-292-8525).
3. THE CONTRACTOR SHALL COORDINATE ALL WORK AFFECTING UTILITIES WITH THE OWNER AND CONSTRUCTION MANAGER, AND WITH THE RESPECTIVE UTILITY OWNER. ALL DETAILS OF CONSTRUCTION AND/OR RELOCATION OF AFFECTED UTILITIES SHALL BE APPROVED BY THE OWNER AND OTHER APPROVING AGENCIES.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT OF ALL DAMAGES TO EXISTING UTILITIES AT NO ADDITIONAL COST TO THE OWNER. CONTRACTOR TO COORDINATE WITH OWNER'S REPRESENTATIVE FOR EXISTING UTILITIES TO REMAIN IN SERVICE AND EXISTING UTILITIES SCHEDULED FOR ABANDONMENT. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER'S REPRESENTATIVE FOR ABANDONMENT/REMOVAL PROCEDURES OF EXISTING UTILITIES, STRUCTURES AND ROADWAYS.

GRADING:

1. AREAS TO BE FILLED SHALL BE CLEARED OF VEGETATION UTILITY POLES, FENCES AND ANY OTHER OBJECTIONABLE MATERIALS. COORDINATE DISPOSAL WITH CONSTRUCTION MANAGER.
2. THE CONTRACTOR SHALL COORDINATE WITH SOLUTIA FOR THE REMOVAL AND/OR PROTECTION OF EXISTING TREES WITHIN THE COVER LIMITS.
3. ALL FILLS SHALL BE COMPACTED AS SPECIFIED TO REDUCE EROSION, SLIPPAGE, SETTLEMENT, SUBSIDENCE OR OTHER RELATED PROBLEMS.
4. ALL FILL SHALL BE PLACED AND COMPACTED IN LAYERS NOT TO EXCEED 8 INCHES IN THICKNESS UNLESS A GREATER THICKNESS IS ALLOWED BY THE ENGINEER, UPON DEMONSTRATION BY THE CONTRACTOR THAT THE MATERIALS AND COMPACTIVE EFFORT ARE ADEQUATE TO OBTAIN THE REQUIRED DENSITY.
5. WHERE COVER MATERIAL IS PLACED OVER EXISTING PAVED AREAS OR CONCRETE PADS, THE CONTRACTOR SHALL BREAK THE EXISTING PAVEMENT ON A 10' HORIZONTAL GRID. THE HOLES SHALL PENETRATE INTO THE EXISTING SUBBASE GRANULAR COURSE.
6. MINIMUM ALLOWABLE SLOPE OF COVER MATERIAL 1:V TO 3:H FOR THE FILL MATERIAL TO BE ADEQUATELY MAINTAINED ON LINER.
7. BERM IS TO BE PLACED ON NATIVE SOIL AND IN ACCORDANCE WITH SPECIFICATION 02297.
8. WHERE THE PROPOSED BERM IS LOCATED OVER AN EXISTING CONCRETE SLAB, THE CONTRACTOR SHALL REMOVE A 10' WIDE STRIP OF CONCRETE AND BASE MATERIAL TO NATIVE SOIL. KEY BERM MATERIAL INTO THE REMOVED PORTION OF THE SLAB. MATERIALS REMOVED SHALL BE DISPOSED ON SITE AT THE DIRECTION OF THE OWNERS REPRESENTATIVE.
9. THE WORKING AREA OF THE BORROW PIT SHALL NOT EXCEED 5 ACRES.

EROSION CONTROL:

1. SOIL EROSION AND SEDIMENT CONTROL FACILITIES SHALL BE CONSTRUCTED PRIOR TO DISTURBANCE AND MAINTAINED DURING CONSTRUCTION AND REMOVED, REGRADED, SEEDED AND MULCHED (WHERE NECESSARY) UPON COMPLETION OF CONSTRUCTION. PERIMETER SWALES SHALL BE CONSTRUCTED PRIOR TO EARTHWORK ACTIVITIES. STONE CHECK DAMS SHALL REMAIN IN PLACE UPON COMPLETION OF CONSTRUCTION.
2. AN ADEQUATE RESERVE OF EROSION CONTROL MATERIALS SHALL BE ON SITE AT ALL TIMES FOR EMERGENCY OR ROUTINE REPLACEMENT AND SHALL INCLUDE MATERIALS TO REPAIR SILT FENCES, HAYBALES, MULCH AND OTHER DEVICES USED TO STABILIZE THE SITE.
3. THE AREAS OF CONSTRUCTION SHALL REMAIN IN STABLE CONDITION AT THE CLOSE OF EACH CONSTRUCTION DAY. EROSION CONTROL FACILITIES SHALL BE MONITORED AT THIS TIME, AND MAINTAINED, REPAIRED OR REPLACED AS DETERMINED BY THE OWNER'S REPRESENTATIVE.
4. TEMPORARY EROSION CONTROL STRUCTURES TO BE CLEANED WHEN THEY REACH 50% CAPACITY AS DETERMINED BY THE OWNER'S REPRESENTATIVE. CONTRACTOR SHALL COORDINATE WITH OWNER'S REPRESENTATIVE FOR DISPOSAL OF MATERIAL PRIOR TO RESEEDING BOTTOM OF BASIN, CONTRACTOR SHALL REMOVE ALL ACCUMULATED SEDIMENT.
5. THE LOCATION OF EXISTING SPRINGS OR GROUNDWATER SEEPAGE WHICH ARE NOT CONTROLLED BY THE STORMWATER SYSTEM AND SITE GRADING SHOWN ON THESE PLANS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE.
6. SILT FENCES SHALL BE INSTALLED AT TOES OF SLOPES IN DRAINAGE ALONG PROPERTY LINES AND AT OTHER LOCATIONS NEEDED TO PREVENT AND CONTROL EROSION OF THE SITE DURING CONSTRUCTION AS SHOWN OR DIRECTED BY THE OWNER'S REPRESENTATIVE.
7. THE CONTRACTOR SHALL PREVENT THE DEPOSITION OF MATERIALS ONTO TRAVERSED PUBLIC THOROUGHFARE(S) CAUSED BY HIS OPERATIONS BY INSTALLING AND MAINTAINING A STABILIZED CONSTRUCTION ENTRANCE, AND BY WASHING ALL VEHICLE WHEELS IN A SAFE DISPOSAL AREA. THE CONTRACTOR SHALL REMOVE IMMEDIATELY ALL MATERIALS DEPOSITED ONTO PUBLIC THOROUGHFARE(S) CAUSED BY HIS OPERATIONS. THE CONTRACTOR IS NOTIFIED THAT IN WET WEATHER, OR MUDDY CONDITIONS, WASHING OF VEHICLE WHEELS IS MANDATORY. THIS APPLIES TO THE NORTHSIDE, WESTSIDE LANDFILL, AND BETHEL CHURCH PROPERTIES AS WELL AS THE BORROW PIT AREA.
8. ON-SITE SOIL STOCKPILE AREAS SHOULD NOT BE LOCATED WITHIN 50 FEET OF A CATCH BASIN OR INLET. STOCKPILE AREAS TO BE SURROUNDED WITH SILT FENCE, OR OTHER EROSION CONTROL MEASURES AS ORDERED BY THE OWNER'S REPRESENTATIVE.
9. THE CONTRACTOR SHALL HAVE A WATER TRUCK OR OTHER ACCEPTABLE ALTERNATIVE DEDICATED TO CONTROLLING DUST AVAILABLE AT ALL TIMES.
10. THE CONTRACTOR SHALL DRAPE FILTER FABRIC OVER THE INSIDE OF THE PERIMETER FENCE FOR DUST CONTROL.

GENERAL:

1. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL APPLICABLE STATE, COUNTY, AND CITY PERMITS ASSOCIATED WITH CONSTRUCTION ACTIVITIES INCLUDING BUT NOT LIMITED TO ROAD CUT PERMITS. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER'S REPRESENTATIVE CONCERNING WHAT PERMITS WILL BE REQUIRED PRIOR TO THE START OF WORK.
2. THE CONTRACTOR SHALL DEVELOP A TRAFFIC CONTROL/PROTECTION PLAN FOR THE WORK TO BE PERFORMED AND SUBMIT IT TO THE OWNER'S REPRESENTATIVE PRIOR TO THE INSTITUTION OF WORK ON SITE. THE TRAFFIC PLAN SHALL MAKE ALLOWANCES FOR A FLAG MAN TO BE PRESENT AT THE BORROW PIT ENTRANCE/EXIT DURING PERIODS WHEN COVER SOIL IS BEING HAULED FROM THE AREA.
3. THE CONTRACTOR SHALL MAINTAIN VEHICLE ACCESS AT ALL TIMES TO ANNISTON IRON WORKS LOCATED AT THE SOUTHERN END OF PARKWIN AVENUE.
4. THE CONTRACTOR SHALL MAINTAIN ALL PERIMETER FENCING TO THE MAXIMUM EXTENT POSSIBLE THROUGHOUT CONSTRUCTION. WHERE FENCING IS REQUIRED TO BE TEMPORARILY TAKEN DOWN TO ACCOMMODATE CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL BE REQUIRED TO MAINTAIN AND SECURE THE OPENING ON A NIGHTLY BASIS.

LEGEND

IRON PIPE SET BY ALMON	STREET LIGHT
IRON PIPE SET BY OTHERS	GUY ANCHOR
REBAR SET BY ALMON	TELEPHONE BOX
REBAR SET BY OTHERS	EVERGREEN
CONCRETE MONUMENT SET BY ALMON	TREE TO REMAIN
CONCRETE MONUMENT SET BY OTHERS	WATER LINE
HUB SET BY ALMON ASSOC.	STEAM LINE
HUB SET BY OTHERS	GAS LINE
CURB INLET	U.G. ELECT. LINE
STEAM BOX	U.G. TELEPHONE LINE
YARD INLET	POWER BOX
SANITARY SEWER MANHOLE	TELEPHONE BOOTH
STORM SEWER MANHOLE	TELEPHONE MH
SIGN	WATER MH
GAS VALVE	POST INDICATOR VALVE
GAS METER	WATER METER
FIRE HYDRANT	RETAINING WALL
WATER VALVE	GUARD RAIL
WATER HYDRANT	FENCE
TRAFFIC LIGHT	STRAW BALE DIKE
TELEPHONE POLE	SILT FENCE
POWER POLE	
MONITORING WELL	

NO.	DATE	REVISION	INIT.
2	6/25/98	REVISED PER ADDENDUM NO. 2	
1	5/11/98	REVISED PER ADDENDUM NO. 1	
0	4/13/98	ISSUED FOR CONSTRUCTION	

1"=100' 100 0 100 200

THIS DRAWING WAS PREPARED AT THE SCALE INDICATED IN THE TITLE BLOCK. INACCURACIES IN THE STATED SCALE MAY BE INTRODUCED WHEN DRAWINGS ARE REPRODUCED BY ANY MEANS. USE THE GRAPHIC SCALE BAR IN THE TITLE BLOCK TO DETERMINE THE ACTUAL SCALE OF THIS DRAWING.

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ALABAMA REGISTERED No. 16584 PROFESSIONAL ENGINEER DEAN K. PALMER

Dean K. Palmer 6/29/98

ENGINEERS INC.

SOLUTIA INC.
NORTHSIDE PROPERTIES CLOSURE DESIGN
ANNISTON ALABAMA

GENERAL

PLAN, NOTES & LEGEND

IN CHARGE OF Dean K. Palmer
DESIGNED BY TJS CHECKED BY AJC
DRAWN BY KFR

FILE NO. 2600.037-006
DATE MAY 11, 1998

G-1

5/7/98

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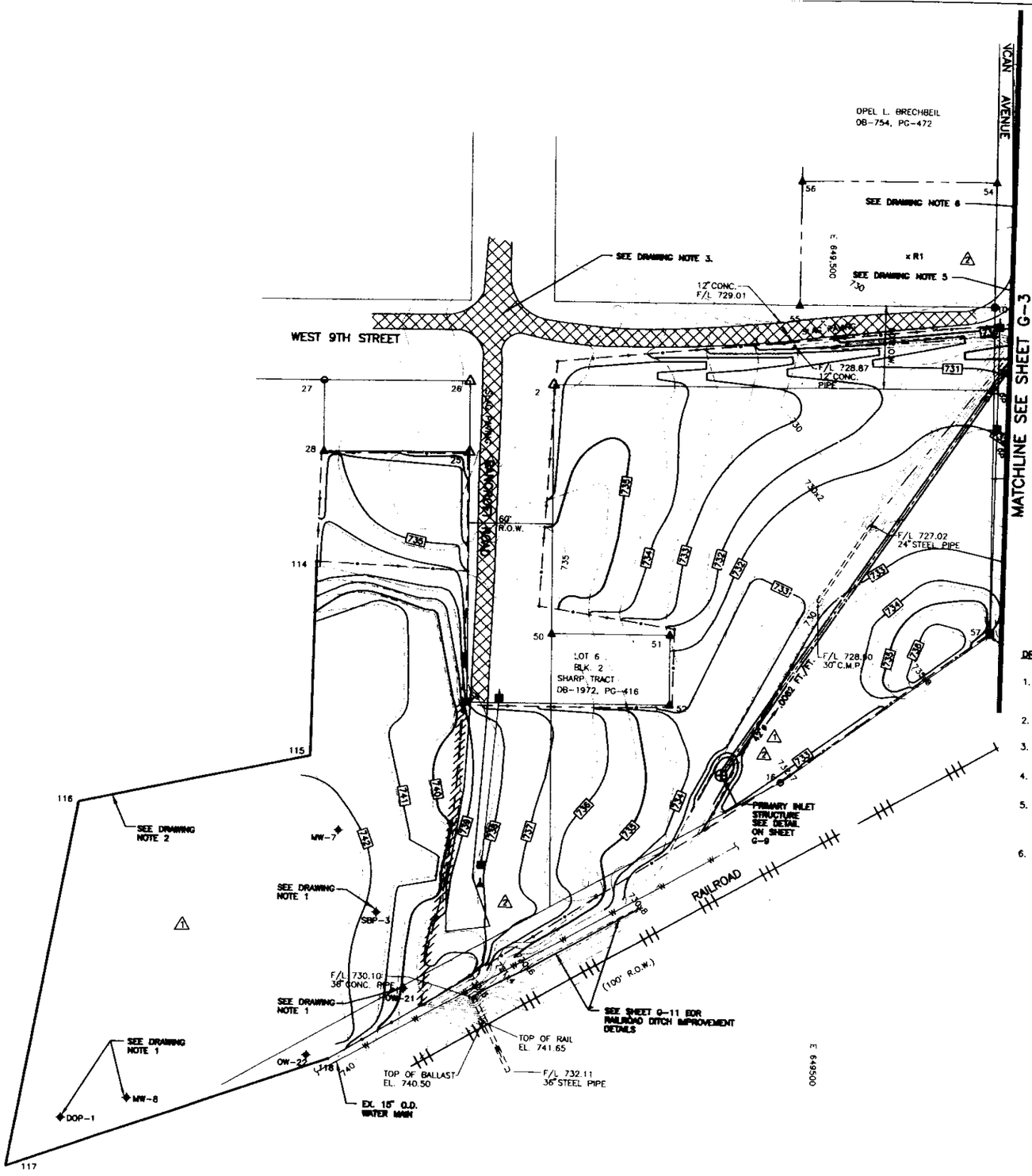

PLAN
1"=40'

PT.NO.	NORTHING	EASTING	DESCRIPTOR
2	1147960.144	649299.339	REBAR FOUND
9	1147964.152	649614.891	REBAR FOUND
10	1148024.090	649613.711	COTTON PICKER SPINDLE
16	1147678.435	649470.670	I.P.F.
25	1147910.075	649240.814	REBAR FOUND
26	1147961.127	649239.567	REBAR FOUND
27	1147959.645	649135.705	I.P.F.
28	1147908.590	649136.954	REBAR SET
41	1148513.458	649965.645	REBAR FOUND
50	1147780.860	649303.422	REBAR SET
51	1147781.931	649387.915	REBAR SET
52	1147731.922	649389.055	REBAR SET
53	1147730.091	649244.563	REBAR SET
54	1148114.084	649612.664	REBAR SET
55	1148022.312	649473.763	REBAR SET
56	1148112.306	649472.671	REBAR SET
57	1147787.668	649617.275	REBAR SET
84	1148453.083	649718.994	REBAR FOUND
89	1148089.973	649973.738	REBAR FOUND
94	1148453.775	649668.519	REBAR SET
95	1148449.592	649970.091	REBAR SET
96	1148332.619	649719.381	REBAR FOUND
97	1148452.426	649766.990	REBAR SET
98	1148332.434	649768.424	REBAR SET
99	1148088.796	649672.698	I.P.F.
105	1148329.598	649971.307	REBAR SET
106	1148269.601	649971.916	REBAR SET
107	1148331.963	649822.186	1" I.P.F.
108	1148271.809	649822.592	I.P.F.
109	1147969.979	649974.955	CPS IN PAVEMENT
110	1147958.130	649975.076	CPS IN PAVEMENT
111	1147972.062	649824.970	REBAR SET
112	1148092.055	649823.753	REBAR SET
113	1147784.684	649676.165	REBAR SET
114	1147829.210	649134.396	COORD. PT. GRADING LIMIT
115	1147689.474	649134.151	COORD. PT. GRADING LIMIT
116	1147652.754	648970.517	COORD. PT. GRADING LIMIT
117	1147389.867	648926.269	COORD. PT. GRADING LIMIT
118	1147471.947	649152.987	COORD. PT. GRADING LIMIT
PC1	1148001.226	649637.696	PC – CURVE 1
PI1	1148027.511	649655.010	PI – CURVE 1
R1	1148058.985	649550.010	RADIUS – CURVE 1
PT1	1148058.985	649655.010	PT – CURVE 1
PC2	1148058.985	649655.010	PC – CURVE 2
PI2	1148104.245	649655.010	PI – CURVE 2
R2	1148058.985	649760.010	RADIUS – CURVE 2
PT2	1148135.322	649687.914	PT – CURVE 2

DRAWING NOTES

1. CONTRACTOR SHALL PROTECT EXISTING MONITORING WELLS FROM DAMAGE AND CONSTRUCT MONITORING WELL PROTECTION IN ACCORDANCE WITH THE DETAIL ON SHEET G-6.
2. CONTRACTOR SHALL EXTEND COVER TO APPROXIMATE LIMIT AS SHOWN. COORDINATE WITH OWNER'S REPRESTATIVE. ⚠1
3. NO CONSTRUCTION TRAFFIC ALLOWED, ON SHADED PORTIONS OF WEST 9TH STREET AND BANCROFT ROAD.
4. CONTRACTOR TO RELOCATE FENCE TO LOCATIONS SHOWN ON PLANS IF ANY FENCE IS REMOVED FOR CONSTRUCTION.
5. CURVE 1 DATA: < 33°22'22" R 105' LC 61.2' T 31.5' ⚠2
6. CURVE 2 DATA: < 46°38'12" R 105' LC 85.5' T 45.3'

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ALABAMA REGISTERED No. 16584 PROFESSIONAL

Dean L. Fisher 6/29/98

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0	4/13/98	ISSUED FOR CONSTRUCTION	

1"=40' 40 0 40 80

O'BRIEN & GERE ENGINEERS INC.

SOLUTIA INC.
NORTHSIDE PROPERTIES CLOSURE DESIGN
ANNISTON ALABAMA

GENERAL

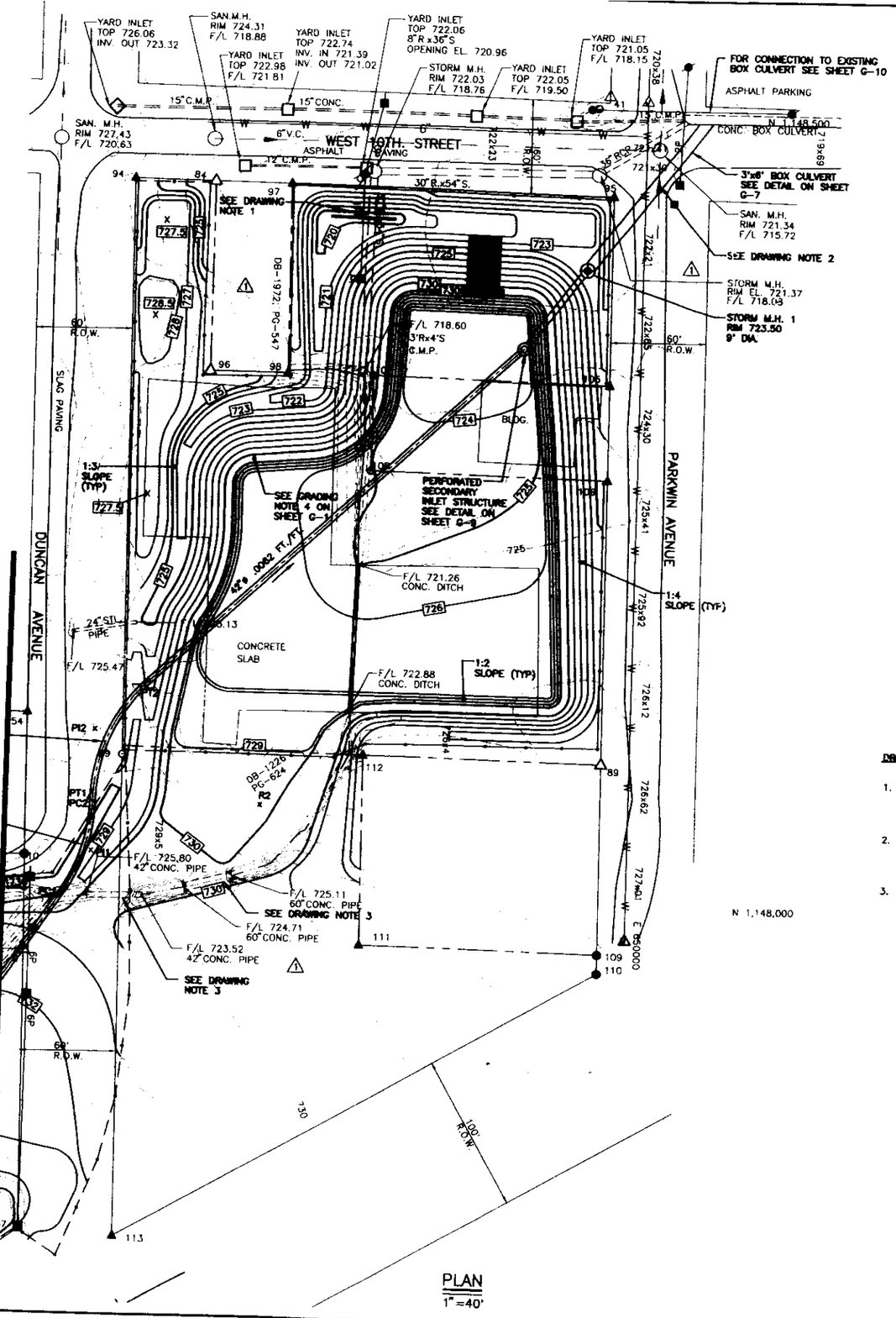
GRADING PLAN

IN CHARGE OF Dean L. Fisher
DESIGNED BY TJS CHECKED BY AJC
DRAWN BY KFR

FILE NO. 2600.037-007
DATE MAY 11, 1998

G-2

5/11/98



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PI2	1148104.245	649655.010	PI – CURVE 2
R2	1148058.985	649760.010	RADIUS – CURVE 2
PT2	1148135.322	649687.914	PT – CURVE 2

DRAWING NOTES

1. CONTRACTOR SHALL CUT A 24"x24" OPENING IN EXISTING 30"x54" METAL PIPE AND WELD (3) #4 BARS 6" ON CENTER EACH WAY TO THE OPENING. THE CONTRACTOR SHALL FILL THE REMAINING CULVERT SOUTH OF THE OPENING, BENEATH THE BERM FOOTPRINT WITH CONCRETE.
2. CONTRACTOR SHALL LAY BOX CULVERT SO THAT THERE IS NO JOINT WITHIN 5' OF THE EXISTING WATERLINE. IF THERE IS LESS THAN 18" HORIZONTAL SEPARATION BETWEEN BOX CULVERT AND WATERLINE, THE CONTRACTOR SHALL ENCASE THE WATERLINE 10' ON EITHER SIDE OF THE BOX CULVERT, PER THE DETAIL ON SHEET G-6.
3. ABANDON AND PLUG EXISTING 42 INCH AND 60 INCH CONCRETE PIPES PER OWNERS REPRESENTATIVE'S DIRECTION.

NO.	DATE	REVISION	INIT.
2	6/25/98	REVISED PER ADDENDUM NO. 2	
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0	4/13/98	ISSUED FOR CONSTRUCTION	

1"=40' 40 0 40 80

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ALABAMA REGISTERED No. 16584 PROFESSIONAL ENGINEER

Dean Walker 6/29/98

O'BRIEN & GERE ENGINEERS INC.

SOLUTIA INC.
NORTHSIDE PROPERTIES CLOSURE DESIGN
ANNISTON ALABAMA

GENERAL

GRADING PLAN

IN CHARGE OF Dean Walker
DESIGNED BY TJS CHECKED BY AJC
DRAWN BY KFR

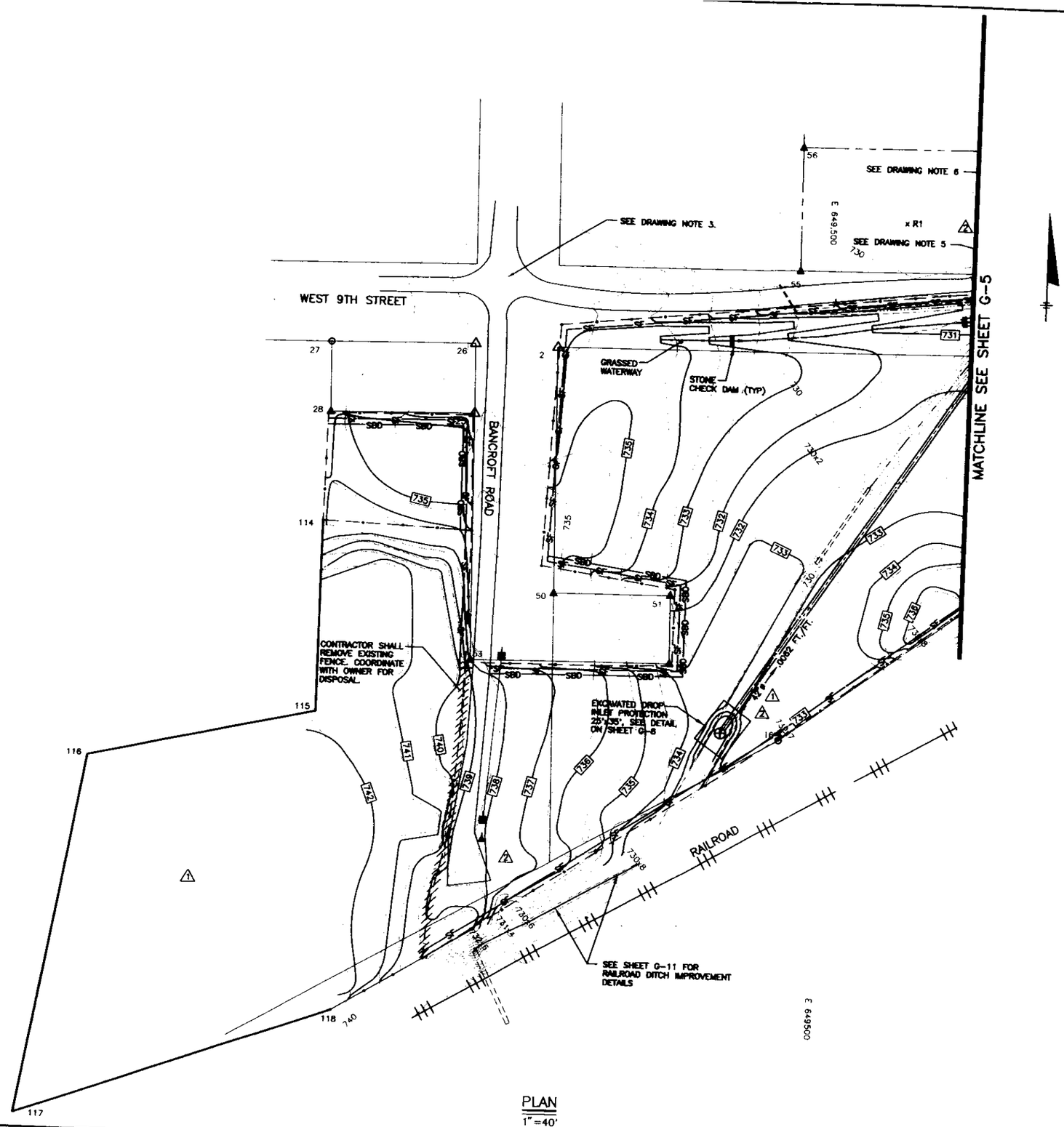
FILE NO. 2600.037-008
DATE MAY 11, 1998

G-3

I:\DWGS\PROJECTS\SOLUTIA\DWG\007

5/11/98

I:\DWGS\PROJECTS\SOLUTIA\DWG\00



PLAN
1"=40'

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1"=40' 40 0 40 80

O'BRIEN & GERE ENGINEERS INC.

SOLUTIA INC.
NORTHSIDE PROPERTIES CLOSURE DESIGN
ANNISTON ALABAMA

GENERAL
EROSION & SEDIMENT CONTROL PLAN

IN CHARGE OF Dean L. Palmer
DESIGNED BY TJS CHECKED BY AJC
DRAWN BY KFR

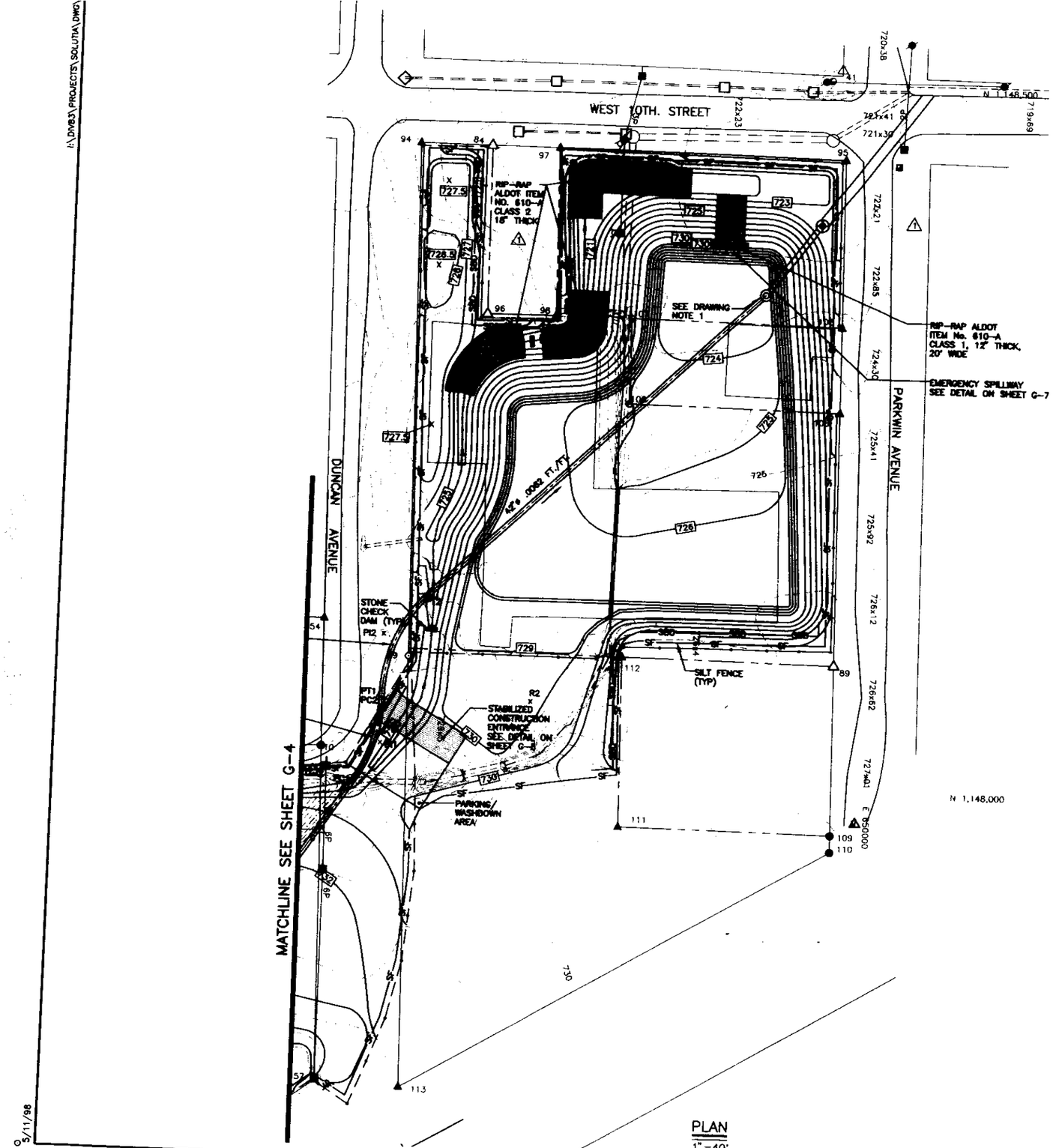
FILE NO. 2600.037-009
DATE MAY 11, 1998

G-4

ALABAMA REGISTERED No. 15561 PROFESSIONAL ENGINEER

Dean L. Palmer 6/25/98

5/11/98



DRAWING NOTES

1. CONTRACTOR SHALL PROTECT PERFORATED CONCRETE RISER WITH FILTER FABRIC DRAPED OVER THE OUTSIDE AND FIRMLY ATTACHED. THE FILTER FABRIC SHALL BE REMOVED AFTER COMPLETION OF CONSTRUCTION ACTIVITIES & SITE VEGETATION HAS BEEN RE-ESTABLISHED.

NO.	DATE	REVISION	INT.
1	5/11/98	REVISED PER ADDENDUM NO. 1	
0	4/13/98	ISSUED FOR CONSTRUCTION	

1" = 40' (40 0 40 80)

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Dean L. Palmer 6/29/98

O'BRIEN-KREITZBERG ENGINEERS INC.

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NORTHSIDE PROPERTIES CLOSURE DESIGN
ANNISTON ALABAMA

GENERAL
EROSION & SEDIMENT CONTROL PLAN

IN CHARGE OF Dean L. Palmer
DESIGNED BY TJS CHECKED BY AJC
DRAWN BY KFR

FILE NO. 2600.037-010
DATE MAY 11, 1998

G-5

5/11/98

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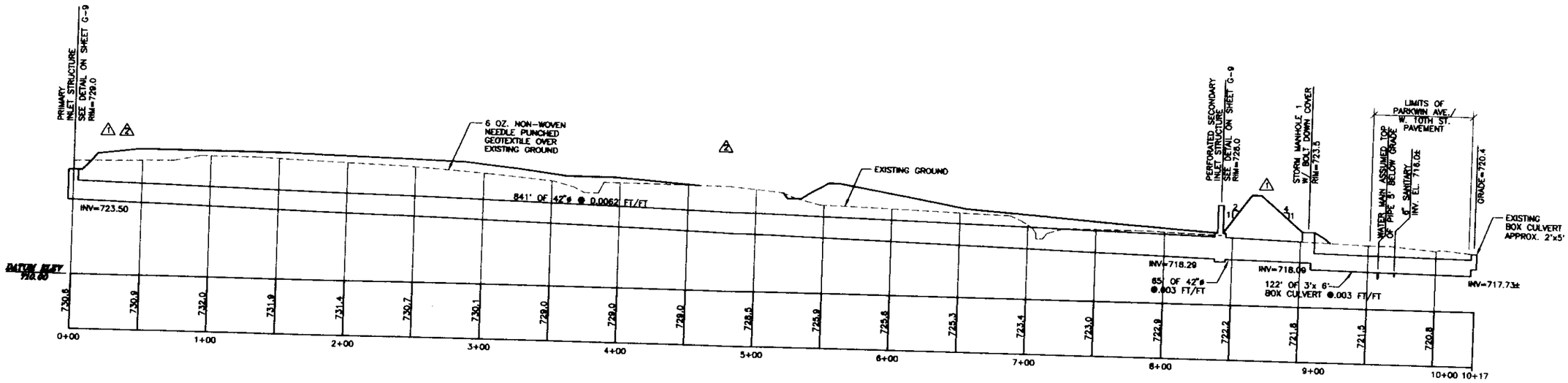
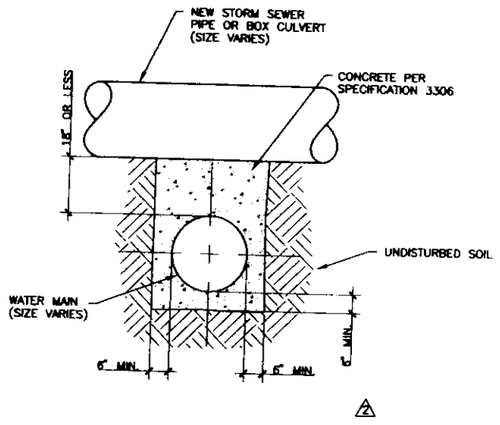


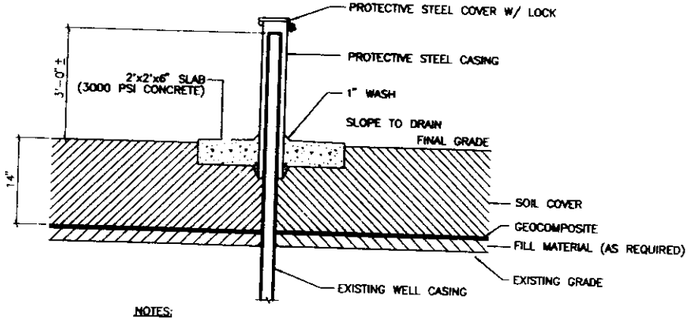
PROFILE

SCALE: HORZ. 1"=40'
VERT. 1"=10'



CONCRETE ENCASEMENT DETAIL

1/2"=1'-0"



NOTES:

1. INSTALL CONCRETE SLAB AROUND ALL MONITORING WELLS, AS DIRECTED BY THE OWNERS REPRESENTATIVE.
2. REMOVE AND ADJUST EXISTING PROTECTIVE WELL BOLLARDS AS DIRECTED BY THE OWNERS REPRESENTATIVE.

TYPICAL MONITORING WELL MODIFICATION DETAIL

NOT TO SCALE

NO.	DATE	REVISION	INIT.
2	6/25/98	REVISED PER ADDENDUM NO. 2	
1	5/11/98	REVISED PER ADDENDUM NO. 1	
0	4/13/98	ISSUED FOR CONSTRUCTION	

HORZ. 1"=40' 40 0 40 80

VERT. 1"=10' 10 0 10 20

ALABAMA REGISTERED No. 16484 PROFESSIONAL ENGINEER

6/29/98

O'BRIEN&GERE ENGINEERS INC.

SOLUTIA INC.
NORTHSIDE PROPERTIES CLOSURE DESIGN
ANNISTON ALABAMA

GENERAL

STORM SEWER PROFILE & MISCELLANEOUS DETAILS

IN CHARGE OF Dean Palmer

DESIGNED BY TJS CHECKED BY AJC

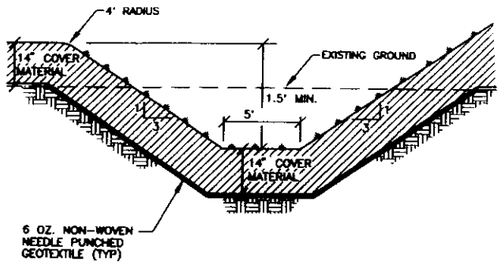
DRAWN BY KFR/JMA

FILE NO. 2600.037-013

DATE MAY 11, 1998

G-6

5/11/98

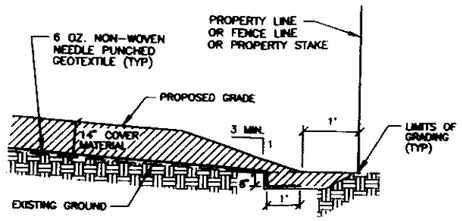


NOTES:

1. SIDE SLOPES ADJACENT TO BERM SHALL BE 1V TO 4H.

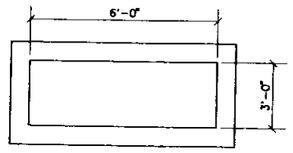
TYPICAL GRASSED SWALE DETAIL

NOT TO SCALE



TYPICAL COVER MATERIAL & GEOTEXTILE TIE-IN DETAIL

NOT TO SCALE



SPECIFICATIONS

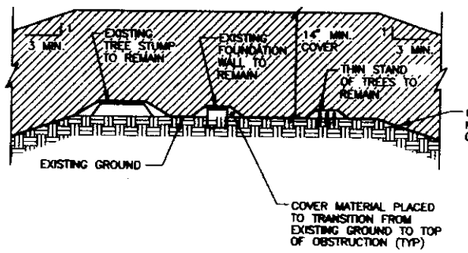
CONCRETE	4000 PSI @ 28 DAYS
ENTRAINED AIR	5%-9%
STEEL	ASTM A496-A615 GRADE 60-60 KSI
DESIGN LOADING	AASHTO HS-20-44 WITH 30% IMPACT AND EQUIVALENT SOIL PRESSURE OF 130 (PSF), FLOATATION FORCES NOT ACCOUNTED FOR

NOTES:

1. REINFORCED STEEL CONFORMS TO LATEST ASTM A185 SPECIFICATION 0.12 SQ. IN./LINEAL FT. AND 0.12 SQ. IN. (BOTH WAYS) IN BASE SLAB.
2. CONCRETE COMPRESSIVE STRENGTH 4000 PSI MINIMUM.
3. DESIGN SPECIFICATIONS CONFORM TO LATEST ASTM C890-91 SPEC. FOR PRECAST REINFORCED CONCRETE.

BOX CULVERT

NOT TO SCALE

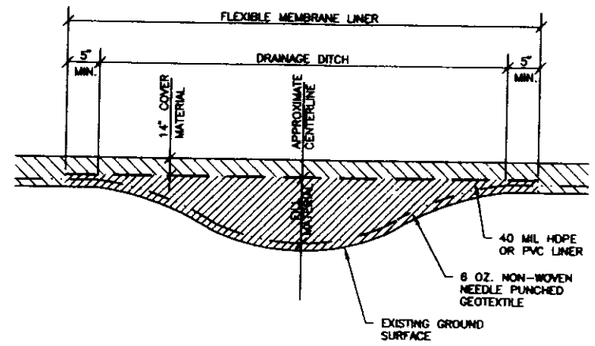


COVER DETAIL

NOT TO SCALE

NOTES:

1. GEOTEXTILE SEAMS SHALL BE OVERLAPPED A MINIMUM OF 24 INCHES. ⚠

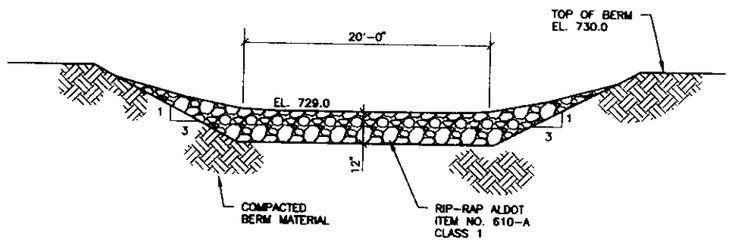


CHANNEL FILL / TYPICAL SECTION

NOT TO SCALE

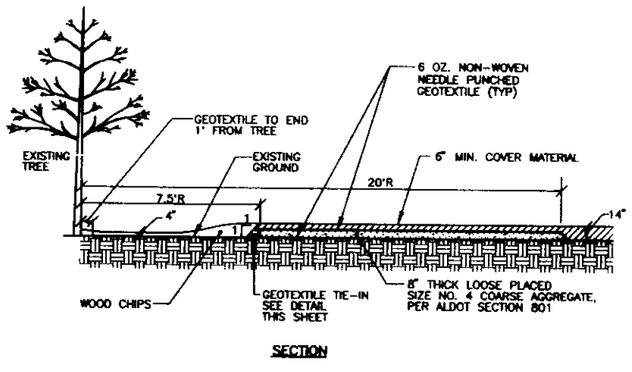
NOTES:

1. GEOMEMBRANE LINER PANELS SHALL BE OVERLAPPED A MINIMUM OF 36 INCHES IN THE DOWN STREAM DIRECTION. ⚠



EMERGENCY SPILLWAY DETAIL

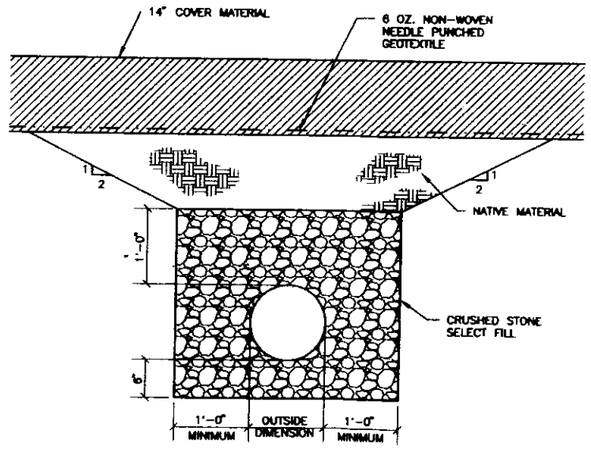
NOT TO SCALE



SECTION

COVER TREATMENT AT TREES TO REMAIN

NOT TO SCALE



STORM SEWER TRENCH DETAIL

NOT TO SCALE

NO.	DATE	REVISION	INIT.
1	5/11/98	REVISED PER ADDENDUM NO. 1	
0	4/13/98	ISSUED FOR CONSTRUCTION	

NOT TO SCALE

O'BRIEN & GERE ENGINEERS INC.

SOLUTIA INC.
NORTHSIDE PROPERTIES CLOSURE DESIGN
ANNISTON ALABAMA

GENERAL

MISCELLANEOUS DETAILS

IN CHARGE OF Dean L. Palmer
DESIGNED BY TJS CHECKED BY AJC
DRAWN BY KFR/JMA

FILE NO. 2600.037-011
DATE MAY 11, 1998

G-7

ALABAMA REGISTERED No. 16586 PROFESSIONAL ENGINEER

Dean L. Palmer 6/24/98

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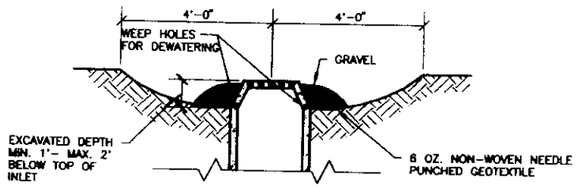
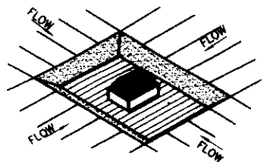
5/11/98

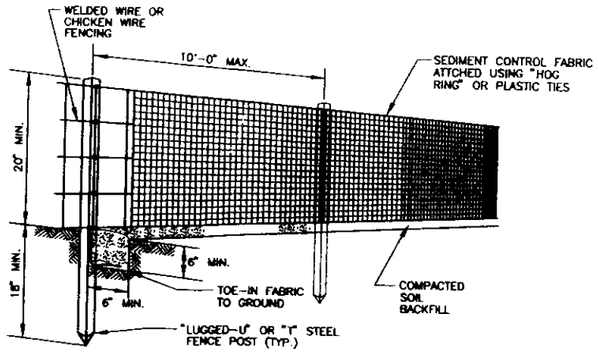




1. CLEAR THE AREA OF ALL DEBRIS THAT WILL HINDER EXCAVATION.
2. GRADE APPROACH TO THE INLET UNIFORMLY AROUND THE BASIN.
3. WEEP HOLES SHALL BE PROTECTED BY GRAVEL.

EXCAVATED DROP INLET PROTECTION

NOT TO SCALE



1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
2. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVER-LAPPED BY SIX INCHES AND FOLDED.
4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.
4. FENCE TO BE ALIGNED ALONG CONTOUR AS CLOSELY AS POSSIBLE.

POSTS : STEEL EITHER T OR U TYPE OR 2" HARDWOOD

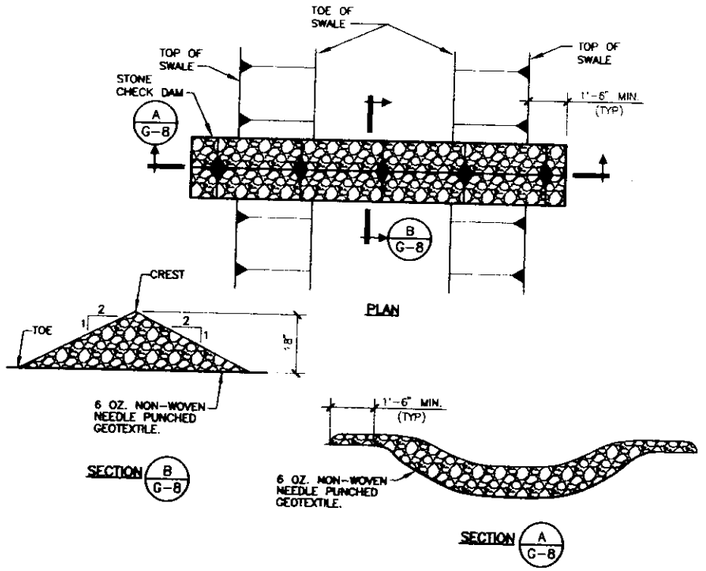
FENCE : WOVEN WIRE 14.5 GAUGE 6" MAX MESH OPENING

FILTER CLOTH : MINIMUM TENSILE STRENGTH OF 120 LBS. (ASTM D-16826)

PREFABRICATED UNIT : MIRAFI ENVIROFENCE, OR APPROVED EQUAL

SILT FENCE DETAIL

NOT TO SCALE

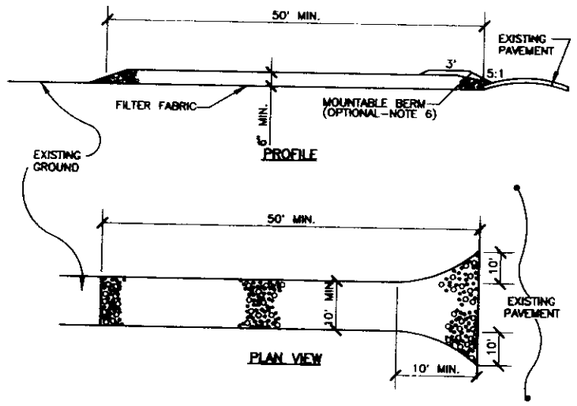


CHECK DAM DETAIL

NOT TO SCALE

CONSTRUCTION SPECIFICATIONS

1. STONE WILL BE PLACED ON A FILTER FABRIC FOUNDATION TO THE LINES, GRADES AND LOCATIONS SHOWN IN THE PLAN.
2. SET SPACING OF CHECK DAMS TO ASSUME THAT THE ELEVATIONS OF THE CREST OF THE DOWNSTREAM DAM IS AT THE SAME ELEVATION OF THE TOE OF THE UPSTREAM DAM.
3. EXTEND THE STONE A MINIMUM OF 1.5' BEYOND THE DITCH BANKS TO PREVENT CUTTING AROUND THE DAM.
4. PROTECT THE CHANNEL DOWNSTREAM OF THE LOWEST CHECK DAM FROM SCOUR AND EROSION WITH STONE OR LINER AS APPROPRIATE.

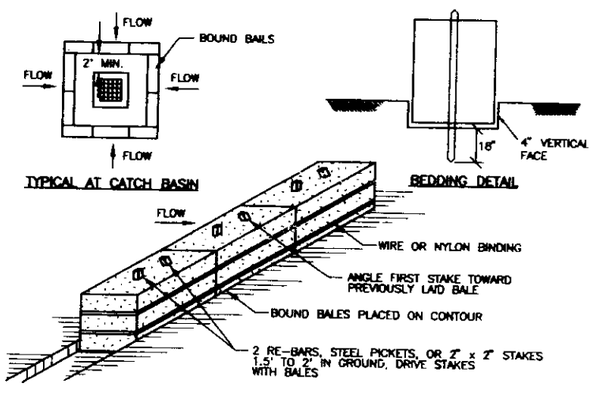


STABILIZED CONSTRUCTION ENTRANCE DETAIL

NOT TO SCALE

CONSTRUCTION SPECIFICATIONS

1. STONE SIZE - USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH-AS REQUIRED, BUT NOT LESS THAN 50 FEET
3. THICKNESS - NOT LESS THAN SIX(6) INCHES
4. WIDTH-TWELVE(12) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE EGRESS OCCURS.
5. FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
6. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARDS CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
7. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH 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 CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
8. WASHING - 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 STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE. THE CONTRACTOR IS NOTIFIED THAT IN WET WEATHER, OR MUDDY CONDITIONS, WASHING VEHICLE WHEELS IS MANDATORY.
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.



ANCHORING DETAILS

STRAW BALE DIKE DETAIL

NOT TO SCALE

CONSTRUCTION SPECIFICATIONS

1. BALES SHALL BE PLACED PRIOR TO CONSTRUCTION AT THE TOE OF A SLOPE OR ON THE CONTOUR AND IN A ROW WITH ENDS TIGHTLY ABUTTING THE ADJACENT BALES.
2. EACH BALE SHALL BE EMBEDDED IN THE SOIL A MINIMUM OF 4 INCHES, AND PLACED SO THE BINDINGS ARE HORIZONTAL.
3. BALES SHALL BE SECURELY ANCHORED IN PLACE BY EITHER TWO STAKES OR RE-BARS DRIVEN THROUGH THE BALE. THE FIRST STAKE IN EACH BALE SHALL BE DRIVEN TOWARD THE PREVIOUSLY LAID BALE AT AN ANGLE TO FORCE THE THE BALES TOGETHER. STAKES SHALL BE DRIVEN FLUSH WITH THE BALE.
4. INSPECTION SHALL BE FREQUENT AND REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
5. UPON COMPLETION OF CONSTRUCTION AND STABILIZATION OF ALL DISTURBED AREAS, SILTATION CONTROL MEASURES ARE TO BE REMOVED.

NO.	DATE	REVISION	INIT.
2	6/25/98	REVISED PER ADDENDUM NO. 2	
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NOT TO SCALE

ALABAMA REGISTERED No. 16564 PROFESSIONAL ENGINEER

Dean L Fahrer 6/29/98

O'BRIEN & GERE ENGINEERS INC.

SOLUTIA INC.
NORTHSIDE PROPERTIES CLOSURE DESIGN
ANNISTON ALABAMA

GENERAL

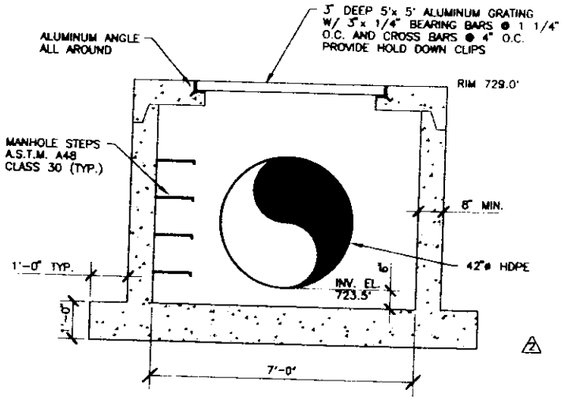
MISCELLANEOUS DETAILS

IN CHARGE OF Dean L Fahrer
DESIGNED BY TJS CHECKED BY AJC
DRAWN BY KFR/JMA

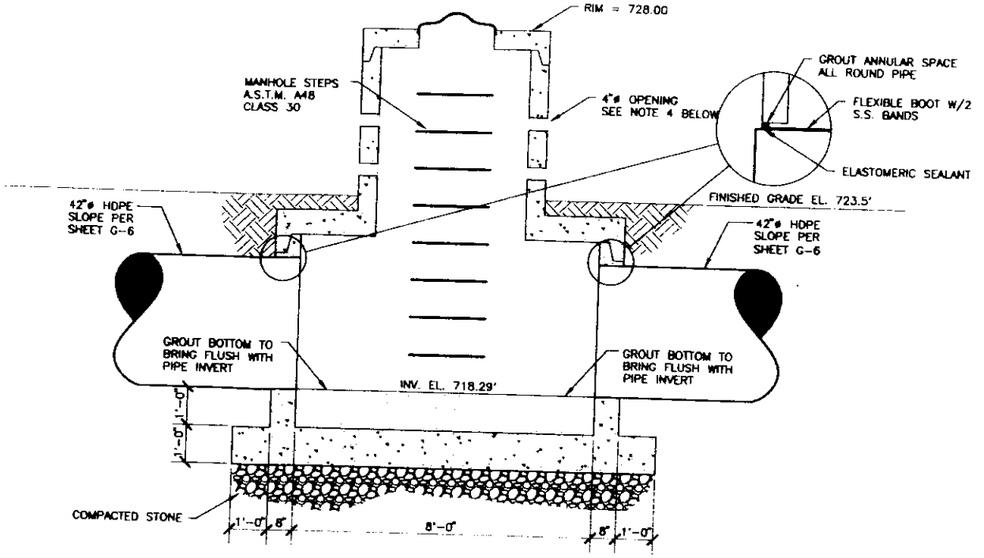
FILE NO. 2600.037-012
DATE MAY 11, 1998

G-8

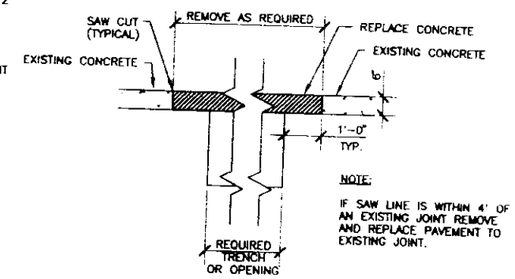
5/11/98



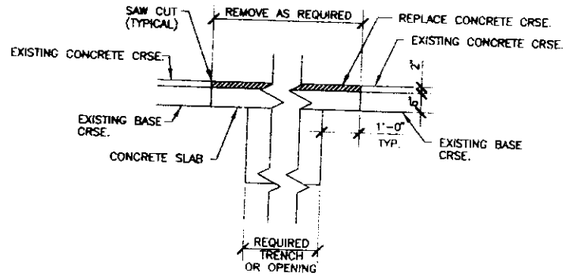
SECTION 1/2"=1'-0" (1 / G-8)



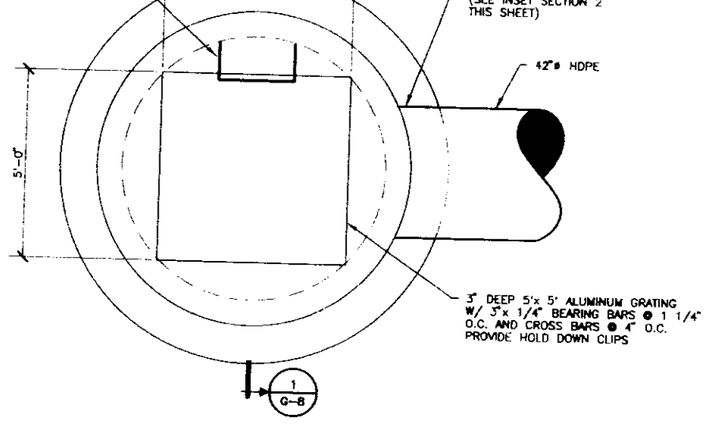
SECTION 1/2"=1'-0" (2 / G-8)



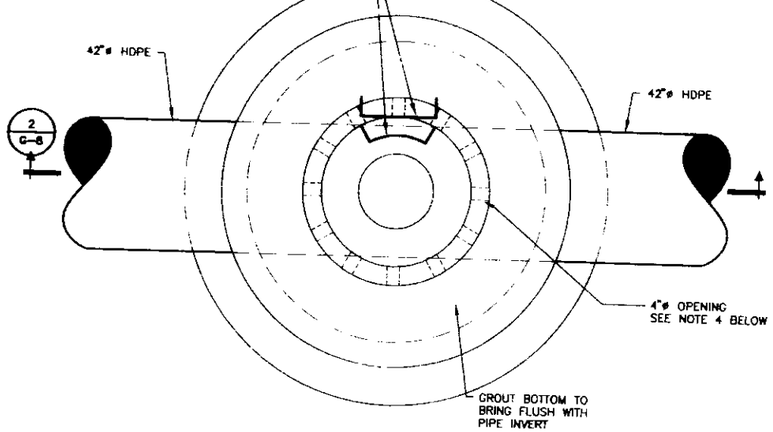
RIGID PAVEMENT DETAIL
1/2"=1'-0"



FLEXIBLE PAVEMENT DETAIL
1/2"=1'-0"



PRIMARY INLET STRUCTURE
1/2"=1'-0"



PERFORATED SECONDARY INLET STRUCTURE
1/2"=1'-0"

SPECIFICATIONS

CONCRETE	4000 PSI @ 28 DAYS
ENTRAINED AIR	5%-9%
STEEL	ASTM A496-A615 GRADE 60-60 KSI
DESIGN LOADING	AASHTO HS-20-44 WITH 30% IMPACT AND EQUIVALENT SOIL PRESSURE OF 130 (PSF) FLOATATION FORCES NOT ACCOUNTED FOR

NOTES:

1. REINFORCED STEEL CONFORMS TO LATEST ASTM A185 SPECIFICATION 0.12 SQ. IN./LINEAL FT. AND 0.12 SQ. IN. (BOTH WAYS) IN BASE SLAB.
2. CONCRETE COMPRESSIVE STRENGTH 4000 PSI MINIMUM.
3. DESIGN SPECIFICATIONS CONFORM TO LATEST ASTM C890-91 SPEC. FOR PRECAST REINFORCED CONCRETE.

SPECIFICATIONS

CONCRETE	4000 PSI @ 28 DAYS
ENTRAINED AIR	5%-9%
STEEL	ASTM A496-A615 GRADE 60-60 KSI
DESIGN LOADING	AASHTO HS-20-44 WITH 30% IMPACT AND EQUIVALENT SOIL PRESSURE OF 130 (PSF) FLOATATION FORCES NOT ACCOUNTED FOR

NOTES:

1. REINFORCED STEEL CONFORMS TO LATEST ASTM A185 SPECIFICATION 0.12 SQ. IN./LINEAL FT. AND 0.12 SQ. IN. (BOTH WAYS) IN BASE SLAB.
2. CONCRETE COMPRESSIVE STRENGTH 4000 PSI MINIMUM.
3. DESIGN SPECIFICATIONS CONFORM TO LATEST ASTM C890-91 SPEC. FOR PRECAST REINFORCED CONCRETE.
4. PROVIDE 4"ø FACTORY CAST OPENINGS AT 60° SET 12" VERTICALLY CENTER TO CENTER OFFSET 30°.

ALABAMA REGISTERED No. 16384 PROFESSIONAL

Dean L Palmer 6/29/98

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SCALE AS SHOWN

O'BRIEN & GERE ENGINEERS INC.

SOLUTIA INC.
NORTHSIDE PROPERTIES CLOSURE DESIGN
ANNISTION ALABAMA

GENERAL

MISCELLANEOUS DETAILS

IN CHARGE OF Dean L Palmer
DESIGNED BY TJS CHECKED BY AJC
DRAWN BY JMA

FILE NO 2600.037-014
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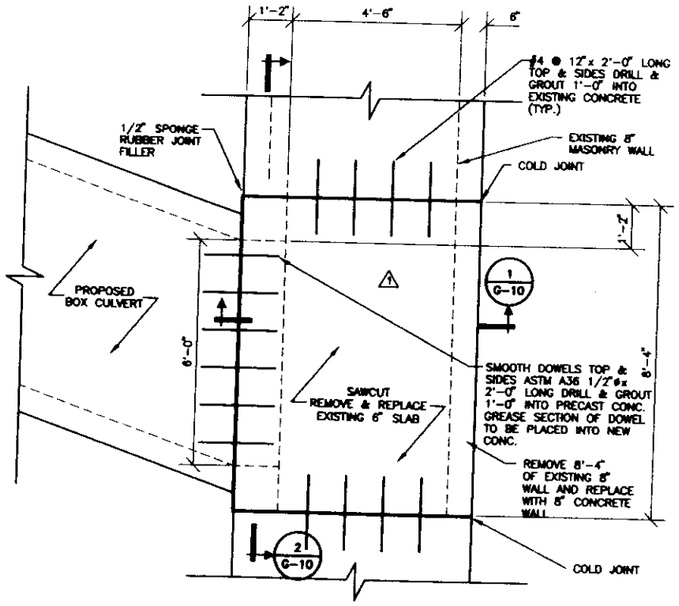
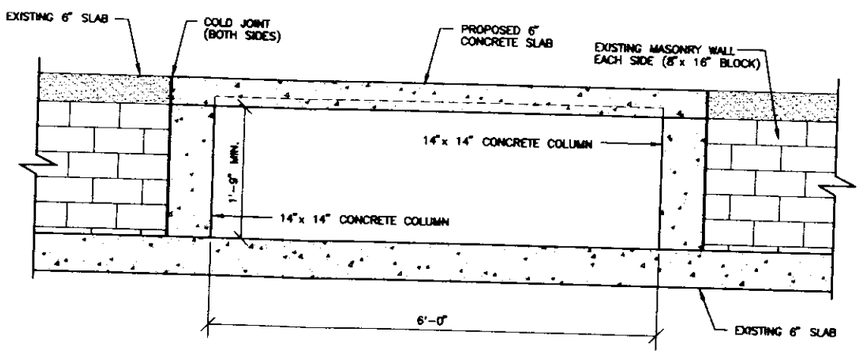
G-9



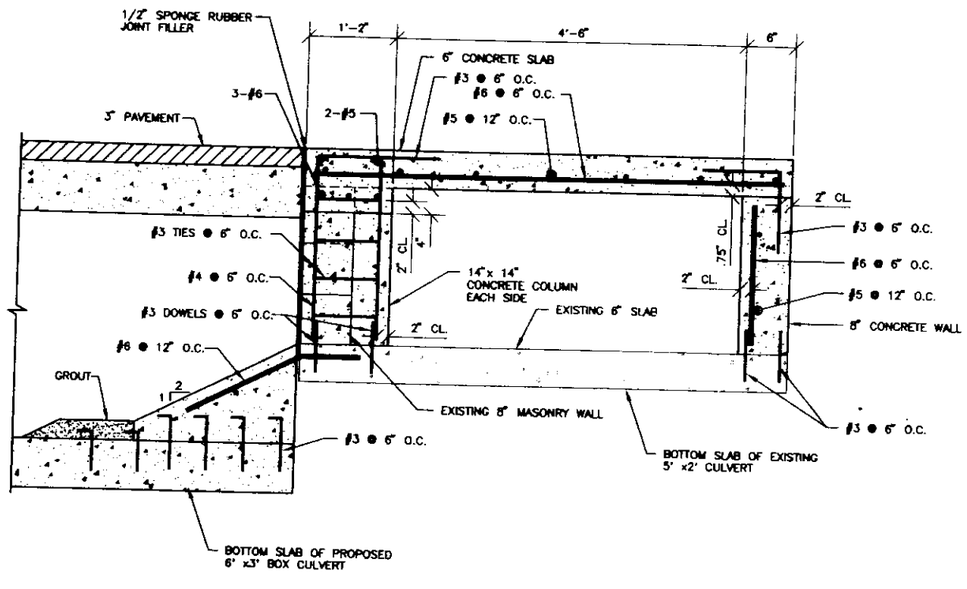
BOX CULVERT JUNCTION PLAN

1/2" = 1'-0"



SECTION 2 / G-10

1" = 1'-0"



SECTION 1 / G-10

1" = 1'-0"

SPECIFICATIONS:

CONCRETE WORK SHALL FOLLOW ACI 301 CONCRETE REINFORCING AND ACCESSORIES SHALL FOLLOW ACI 315.

CONCRETE	4,000 PSI ● 28 DAYS
ENTRAINED AIR	5% - 7%
STEEL - DEFORMED BARS	ASTM A 615, GRADE 60
STEEL - WELDED WIRE MESH	ANSI/ASTM A 185

NOTES:

1. CHAMFER EXPOSED CORNERS OF CONCRETE 3/4 INCH.
2. CAST IN PLACE CONCRETE COVER FOR REINFORCING UNLESS OTHERWISE NOTED (UON), ON DETAILS SHALL CONFORM TO THE FOLLOWING:
   - CONCRETE AGAINST EARTH 3 INCHES
   - CONCRETE TANKS 2 INCHES
   - CONCRETE EXPOSED TO EARTH OR WEATHER
     - #6 BAR & LARGER 2 INCHES
     - #5 BAR & SMALLER 1 1/2 INCHES
   - CONCRETE NOT EXPOSED TO EARTH OR WEATHER
     - BEAMS, COLUMNS 2 INCHES
     - SLABS, WALL, & JOISTS (#11 BAR & SMALLER) 1 1/2 INCHES
3. HOLD REINFORCING BARS AT CORRECT DISTANCE FROM FORMS AND EARTH WITH CHAIRS, SPACERS, AND TIES. (PLASTIC TIP LEGS AT EXPOSED CONCRETE)
4. IN ANY APPROVED CONSTRUCTION JOINT PROVIDE A SHEAR KEY 1 1/2 INCHES DEEP x 1/3 THE JOINT WIDTH. ALSO PROVIDE A TENSION CLASS "B" LAP OF REINFORCING.
5. SLAB, BEAM, AND JOIST TOP REINFORCING CONTINUOUS OVER A SUPPORT SHALL EXTEND TO THE 1/3 POINT OF THE CLEAR SPAN. SLAB, BEAM, AND JOIST TOP REINFORCING AT A DISCONTINUOUS END SHALL TERMINATE IN A STANDARD 90 DEGREE HOOK INTO SUPPORTING BEAMS AND WALLS.
6. CONCRETE BEAMS SHALL BE MONOLITHIC WITH SLABS.
7. MINIMUM DOWELS FROM CONCRETE WALLS TO TOP OF CONCRETE SLAB SHALL BE, UON.
   - #4 ● 16 INCH IN THE DIRECTION OF MAIN SLAB REINFORCING.
   - #3 ● 18 INCH IN THE DIRECTION OF TEMPERATURE REINFORCING.
   - EXTEND TO DOWELS TO THE 1/4 POINT OF SLAB SPAN.
8. AT CONCRETE BEAMS PROVIDE A MINIMUM OF 2-#4 TOP (STIRRUP SUPPORT) BARS LAPPED 18 INCHES WITH TOP NEGATIVE REINFORCING BAR UON.
9. CONCRETE BEAMS WITH TOP BARS WHERE NO STIRRUPS ARE CALLED FOR SHALL HAVE #3 STIRRUPS AT 12 INCHES.
10. NO LAPS OF BOTTOM BARS PERMITTED IN STRUCTURAL SLABS.
11. WHERE MAIN SLAB REINFORCING IS PARALLEL TO A BEAM, ADD 1-#3 x 5 FOOT AT 18 INCH O.C. OVER BEAM.
12. GROUT FOR DOWELS EUCO NON-SHRINK GROUT AS MANUFACTURED BY EUCLID CHEMICAL COMPANY OR EQUAL.

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O'BRIEN & GERE ENGINEERS INC.

SOLUTIA INC.
NORTHSIDE PROPERTIES CLOSURE DESIGN
ANNISTION ALABAMA

GENERAL

MISCELLANEOUS DETAILS

ALABAMA REGISTERED No. 16584 PROFESSIONAL ENGINEER DEAN L. PALMER

IN CHARGE OF Dean L. Palmer

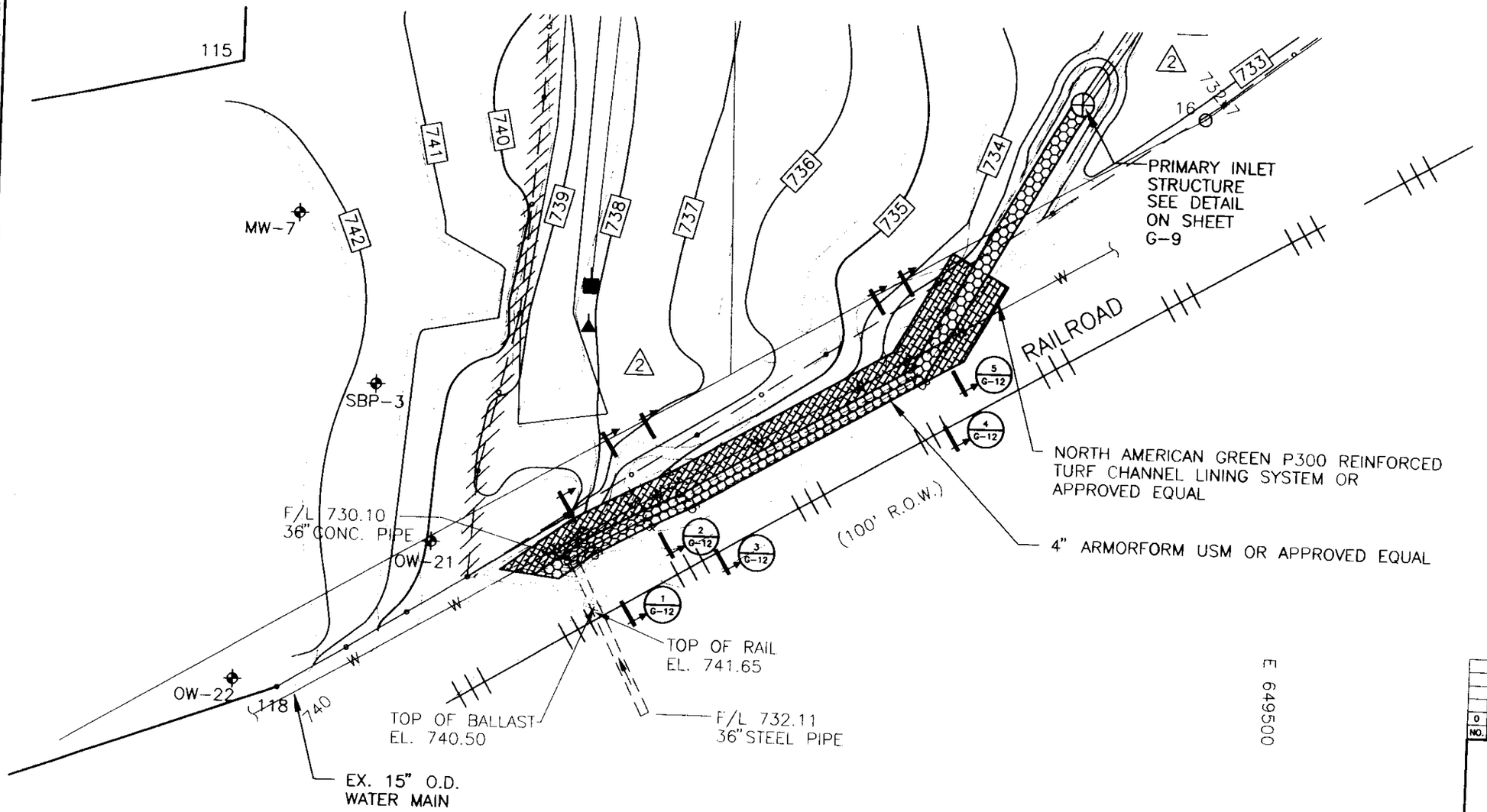
DESIGNED BY TJS CHECKED BY AJC

DRAWN BY JMA

FILE NO. 2600.037-016

DATE MAY 11, 1998

G-10



E 649500

NO.	DATE	REVISION	INIT.
0	6/25/98	ISSUED FOR CONSTRUCTION	

1"=20' 20 0 20 40

ALABAMA REGISTERED No 16484 PROFESSIONAL ENGINEER

Susan L Palmer 6/27/98

O'BRIEN & GERE ENGINEERS INC.

SOLUTIA INC.
NORTHSIDE PROPERTIES CLOSURE DESIGN
ANNISTON ALABAMA

GENERAL

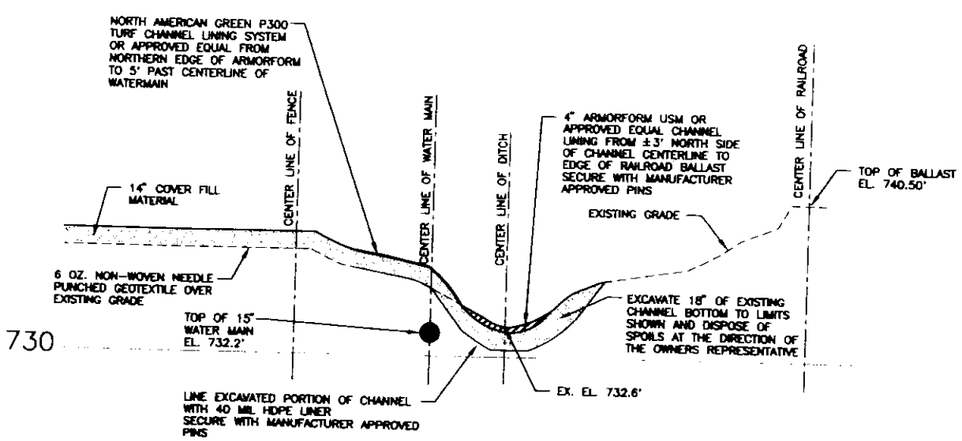
RAILROAD DITCH IMPROVEMENTS

IN CHARGE OF Susan L Palmer
DESIGNED BY AJC CHECKED BY DLP
DRAWN BY JMA

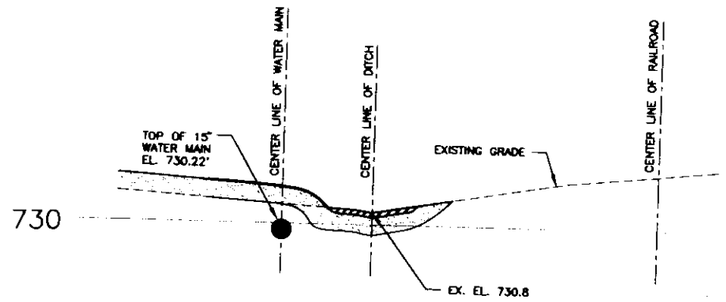
FILE NO. 2600.037-020
DATE JUNE 25, 1998

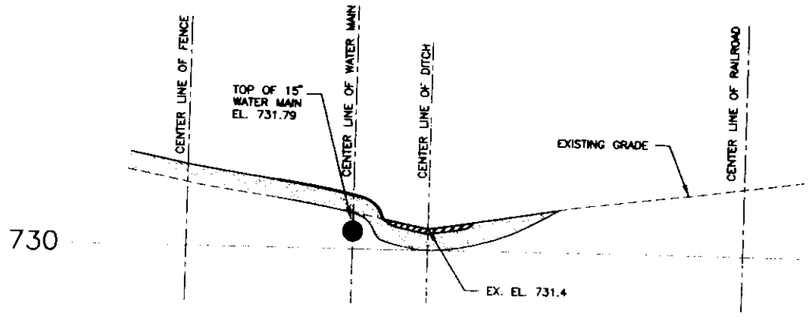
G-11

6/25/98



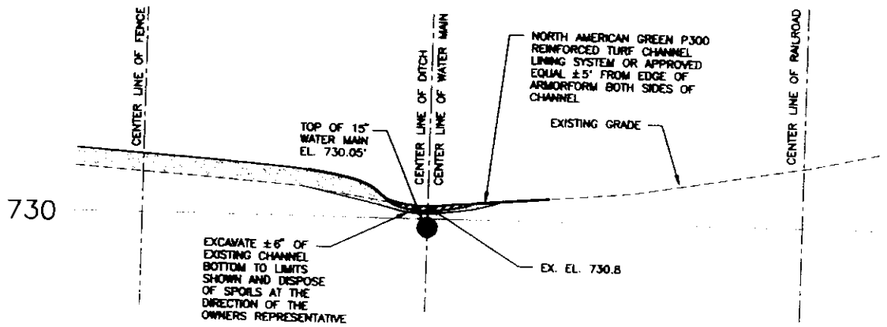
SECTION 1" = 5'-0" (1 / G-11)



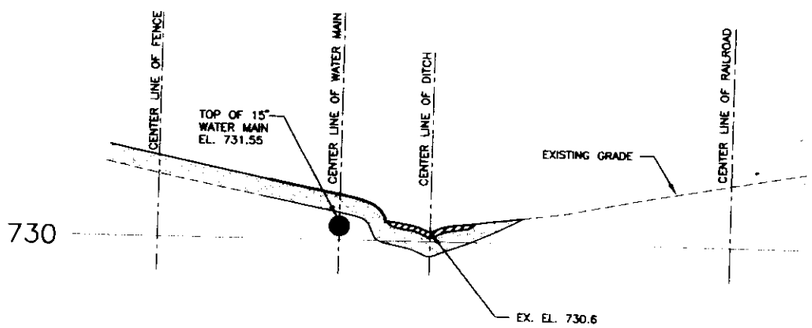


SECTION 2 / G-11 — 1" = 5'-0"

SECTION 4 / G-11 — 1" = 5'-0"



SECTION 5 / G-11 — 1" = 5'-0"



SECTION 3 / G-11 — 1" = 5'-0"

GENERAL NOTES:

1. NOTES ON SECTION 1 TYPICAL OF ALL SECTIONS EXCEPT WHERE NOTED.

ALABAMA REGISTERED No. 16184 PROFESSIONAL ENGINEER

Dean L. Palmer 6/25/98

NO.	DATE	REVISION	INIT.
0	6/25/98	ISSUED FOR CONSTRUCTION	

SCALE AS SHOWN

O'BRIEN & GERE ENGINEERS INC.

SOLUTIA INC.
NORTHSIDE PROPERTIES CLOSURE DESIGN
ANNISTON ALABAMA

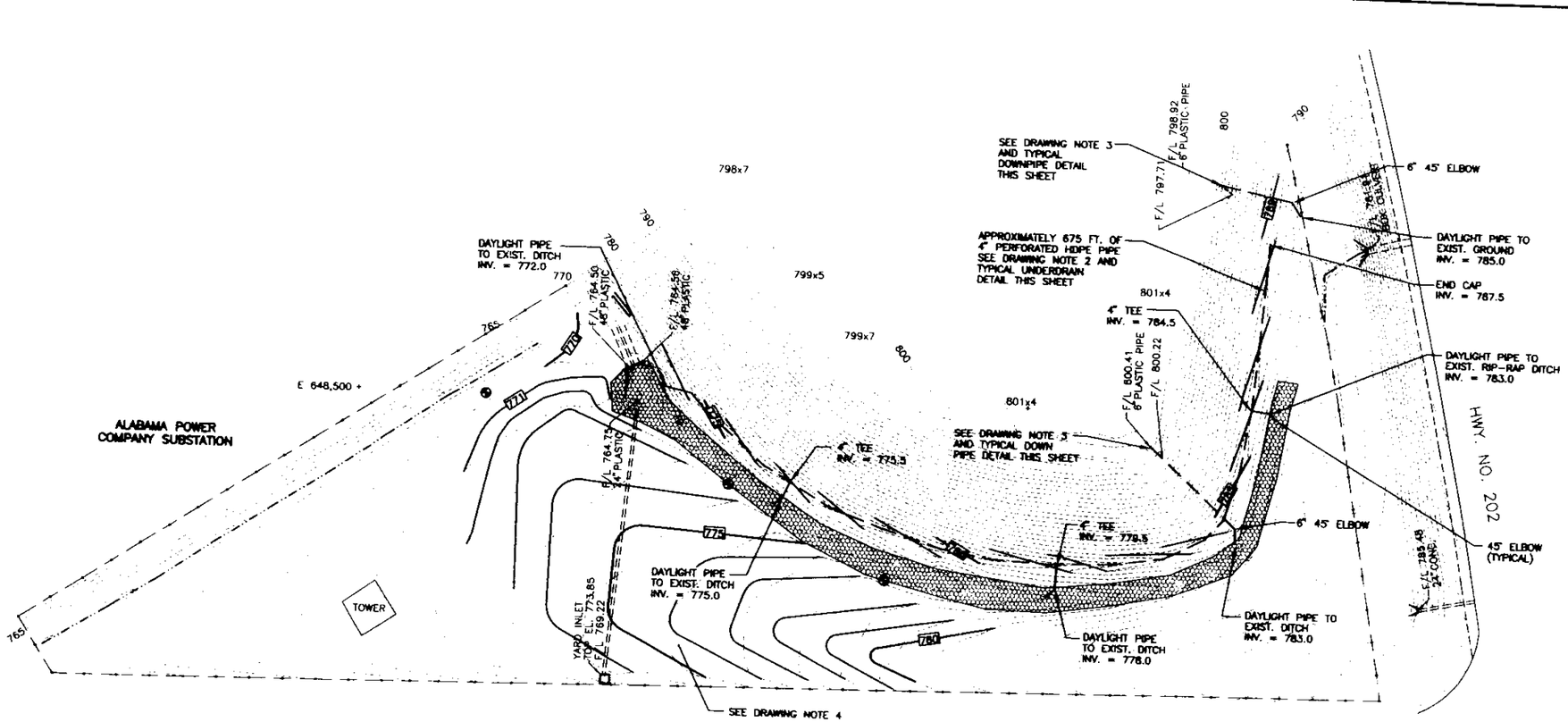
GENERAL

RAILROAD DITCH IMPROVEMENTS CROSS SECTIONS

IN CHARGE OF Dean Palmer
DESIGNED BY AJC CHECKED BY DLP
DRAWN BY JMA

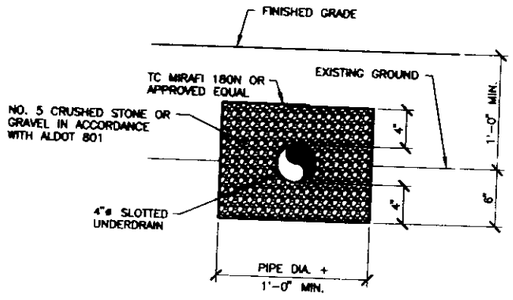
FILE NO. 2600.037.019
DATE JUNE 25, 1998

G-12



DRAWING NOTES:

1. THE CONTRACTOR SHALL TAKE EXTREME CAUTION WHEN DIGGING, WORKING OR INSTALLING PROPOSED MATERIALS ON THE LANDFILL. THE LANDFILL COVER IS ASSUMED TO BE PER THE DETAIL ON THIS SHEET. ANY DAMAGE TO THE GEOCOMPOSITE, GEOTEXTILE OR GEOMEMBRANE SHALL BE REPAIRED BY THE CONTRACTOR AT NO COST TO OWNER.
2. CONTRACTOR SHALL REMOVE 6" OF EXISTING SOIL PRIOR TO INSTALLING 4" PERFORATED HDPE PIPE. SEE TYPICAL UNDERDRAIN DETAIL THIS SHEET.
3. CONTRACTOR SHALL REMOVE AND DISPOSED OFFSITE ANY REMAINING PIECES OF EXISTING 6" PLASTIC PIPE AND INSTALL NEW 6" HDPE.
4. CONTRACTOR SHALL THROUGHLY DISC EXISTING GROUND WHERE NEW FILL IS PROPOSED TO BE PLACED.
5. ALL AREAS THAT ARE DISTURBED BY CONSTRUCTION ACTIVITIES SHALL BE SEEDED PER SPECIFICATION 02503 UNLESS SHOWN OTHERWISE.

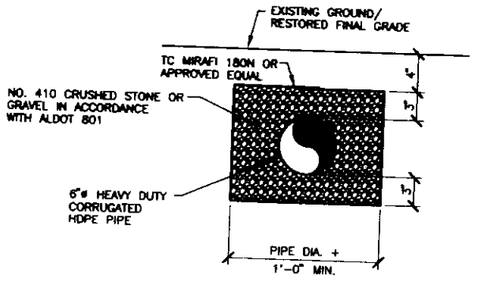


TYPICAL UNDERDRAIN DETAIL

1 1/2"=1'-0"

NOTE:

1. CONTRACTOR MAY ENCOUNTER EXISTING GEOCOMPOSITE, GEOTEXTILE, OR GEOMEMBRANE AND SHALL TAKE EXTREME CAUTION WHEN INSTALLING UNDERDRAIN PIPING.

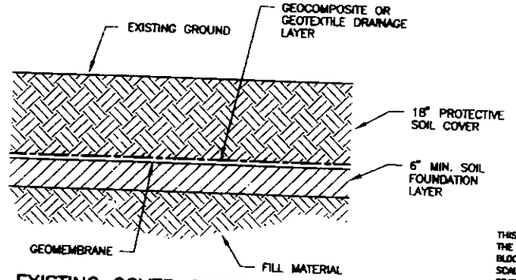


TYPICAL DOWNPIPE DETAIL

1 1/2"=1'-0"

NOTE:

1. CONTRACTOR MAY ENCOUNTER EXISTING GEOCOMPOSITE, GEOTEXTILE, OR GEOMEMBRANE AND SHALL TAKE EXTREME CAUTION WHEN INSTALLING UNDERDRAIN PIPING.



EXISTING COVER SYSTEM DETAIL

3/4"=1'-0"

NOTES:

1. COVER SYSTEM DETAIL TAKEN FROM A DRAWING PREPARED BY GOLDER ASSOCIATES, TITLED TYPICAL CROSS SECTIONS AND COVER SYSTEM DETAILS, DATED 4/95, LAST REVISED 10/95 AND IS ASSUMED TO HAVE BEEN INSTALLED IN ACCORDANCE WITH THE ABOVE DETAIL. ACTUAL CONDITIONS MAY VARY.

ALABAMA REGISTERED No. 16566 PROFESSIONAL ENGINEER

Dean L Palmer 4/23/98

NO.	DATE	REVISION	INIT.
0	4/13/98	ISSUED FOR CONSTRUCTION	

1"=50' 50 0 50 100

O'BRIEN & GERE ENGINEERS, INC.

SOLUTIA INC.
WESTSIDE PROPERTIES CLOSURE DESIGN
ANNISTON ALABAMA

GENERAL

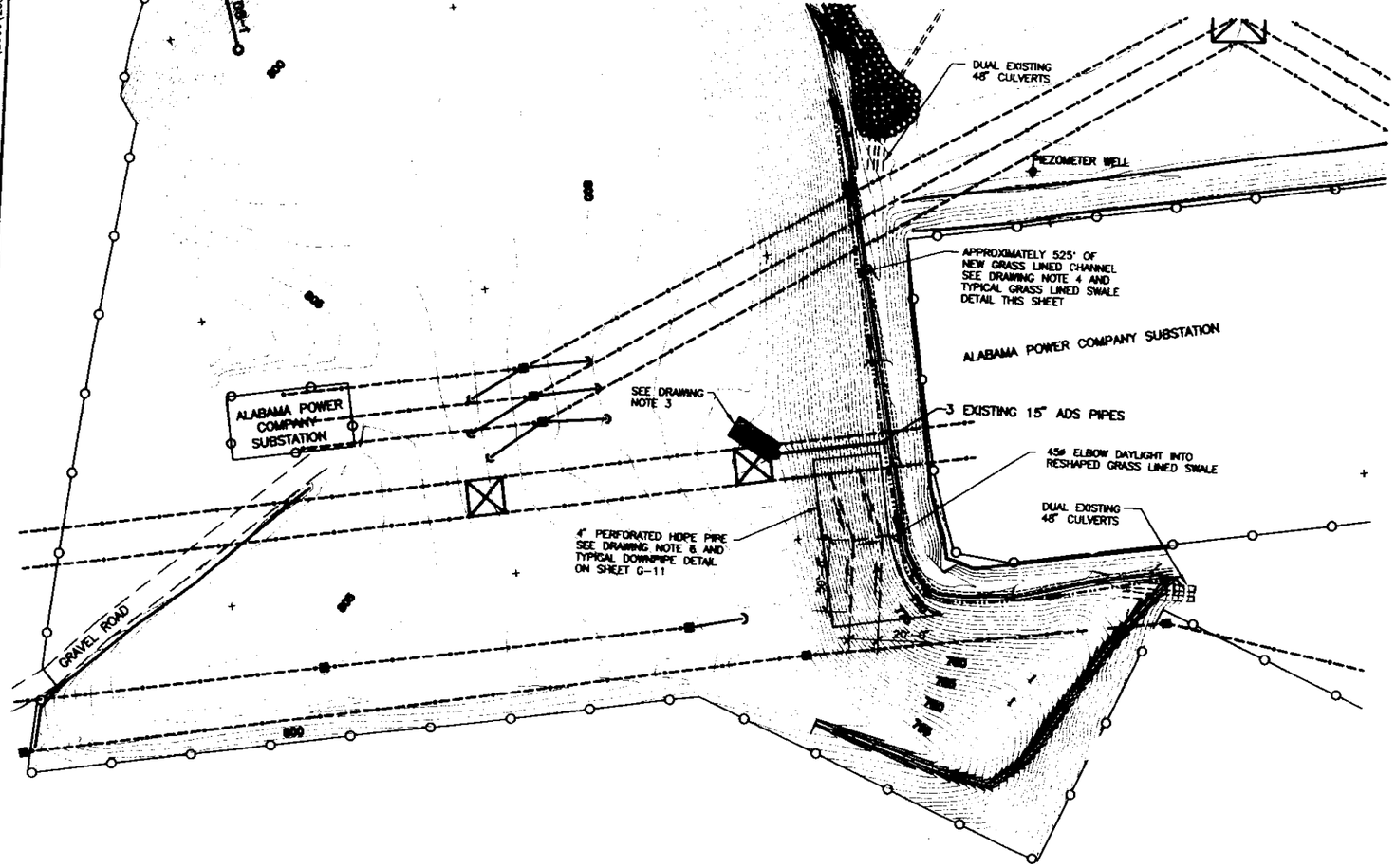
GRADING PLAN

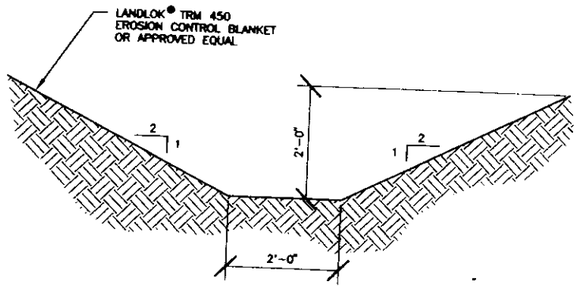
IN CHARGE OF Dean L Palmer
DESIGNED BY TJS CHECKED BY AJC
DRAWN BY KFR/JMA

FILE NO. 2600.037-015
DATE MAY 11, 1998

G-13

5/11/98





EROSION CONTROL DETAIL FOR GRASS LINED DITCH

3/4"=1'-0"

NOTES:

SWALE SHALL BE SHAPED TO THE DIMENSIONS ABOVE AND SEEDED PER SPECIFICATION 02503 PRIOR TO PLACEMENT OF TURF REINFORCEMENT MAT (TRM) 450 AS MANUFACTURED BY SYNTHETIC INDUSTRIES OR APPROVED EQUAL.

DRAWING NOTES:

1. EXISTING SITE INFORMATION WAS TAKEN FROM A DRAWING ENTITLED RETROFITTED SURFACE WATER MANAGEMENT SYSTEM PLAN, BY GOLDER ASSOCIATES, DATED 3/97.
2. THE CONTRACTOR SHALL TAKE EXTREME CAUTION WHEN DIGGING, WORKING OR INSTALLING PROPOSED MATERIALS ON THE LANDFILL. THE LANDFILL COVER IS ASSUMED TO BE PER THE DETAIL ON SHEET G-13. ANY DAMAGE TO THE GEOCOMPOSITE, GEOTEXTILE OR GEOMEMBRANE SHALL BE REPAIRED BY THE CONTRACTOR AT NO COST TO OWNER.
3. THE CONTRACTOR SHALL THOROUGHLY DISC AREA TO DEPTH NO MORE THAN 4" WHERE EROSION IS OCCURRING AND REGRADE AREA TO RESTORE EXISTING CONTOURS. THE AREA IS APPROXIMATELY 600 SF AND ITS EXACT LOCATION SHALL BE VERIFIED IN THE FIELD. UPON COMPLETION OF REGRADING ACTIVITIES, THE CONTRACTOR SHALL SEED THE DISTURBED AREA IN ACCORDANCE WITH SPECIFICATION 02503.
4. THE CONTRACTOR SHALL FIRST REMOVE ANY EXISTING RIP-RAP IN THE SWALE AND DISPOSE OF IN A SITE TO BE DETERMINED BY THE OWNER. THE CONTRACTOR SHALL THEN RESHAPE THE CHANNEL TO THE CROSS-SECTION DIMENSIONS SHOWN ON THE TYPICAL GRASS LINED SWALE DETAIL ON THIS SHEET, BACKFILLING ANY ERODED AREAS OUTSIDE THE LIMITS OF THE NEW SWALE.
5. THE CONTRACTOR SHALL BE AWARE THE OWNER IS PERFORMING SOME REMEDIAL WORK IN THIS AREA. THE (3) EXISTING 15" DOWNPIPES WILL BE CONNECTED TO AN EXISTING 48" CULVERT, AND ALL CONCRETE, GABIONS AND EMERGENCY DISSIPATORS WILL BE REMOVED UNDER A SEPARATE CONTRACT.
6. THE CONTRACTOR SHALL REMOVE EXISTING COVER MATERIAL EXPOSING GEOTEXTILE FABRIC IN AREA SHOWN (APPROX. 5000 SF). THE CONTRACTOR SHALL INSTALL PERFORATED HDPE PER THE TYPICAL SLOPE PIPE DETAIL ON THIS SHEET. THE CONTRACTOR SHALL THEN RESTORE EXISTING COVER MATERIAL MAKING SURE TO BLEND INTO SURROUNDING AREA NOT DISTURBED. ALL DISTURBED AREAS SHALL BE SEEDED PER SPECIFICATION 02503.

Dean L Palmer 6/29/98

NO.	DATE	REVISION	INIT.
0	4/13/98	ISSUED FOR CONSTRUCTION	DLP

1"=50' 50 0 50 100

O'BRIEN & GERE ENGINEERS INC.

SOLUTIA INC.
WESTSIDE PROPERTIES CLOSURE DESIGN
ANNISTON ALABAMA

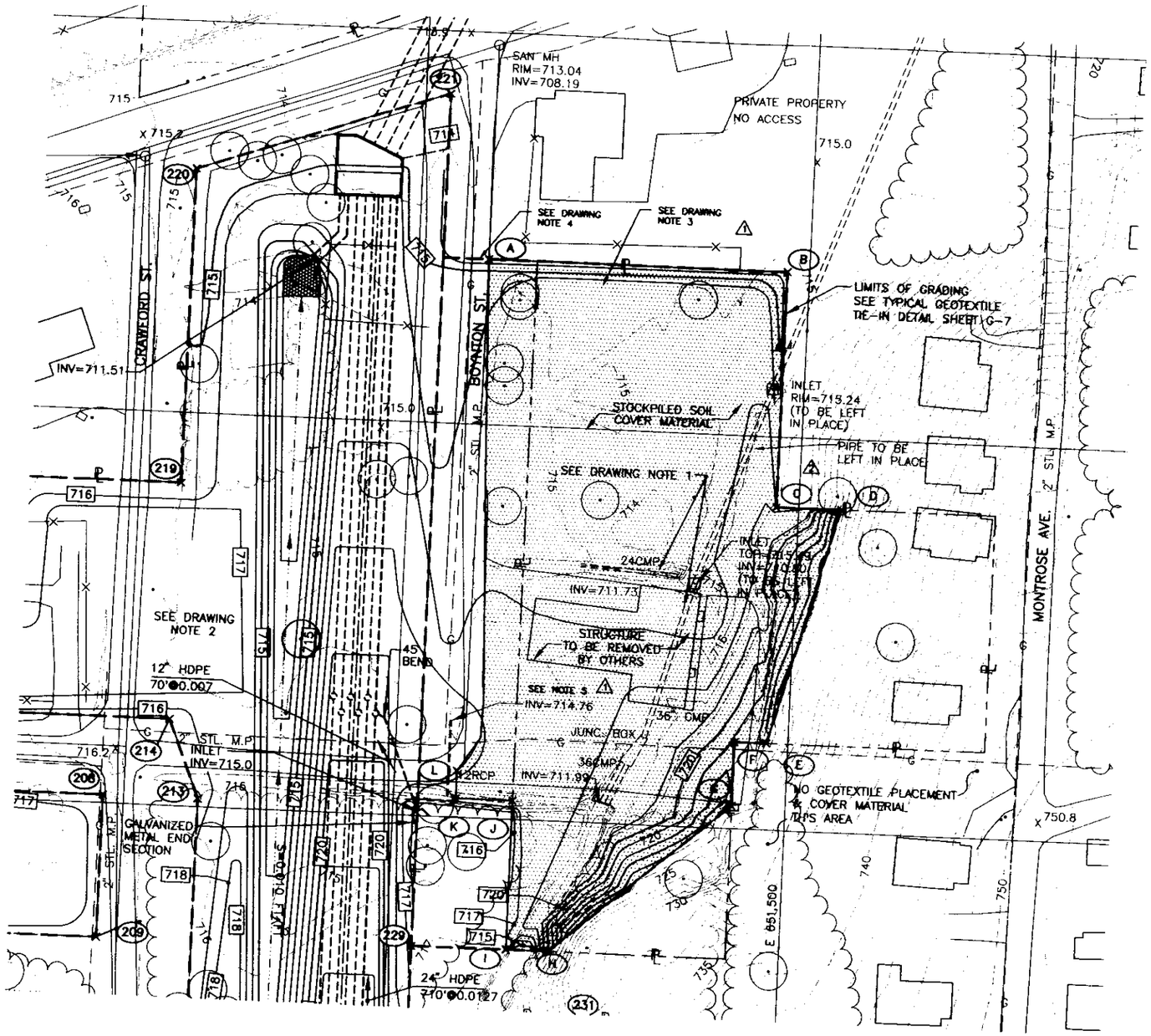
GENERAL

PLAN & DETAILS

IN CHARGE OF Dean L Palmer
DESIGNED BY TJS CHECKED BY AJC
DRAWN BY GOLDER/JMA

FILE NO. 2600.037-018
DATE MAY 11, 1998

G-14



DRAWING NOTES:

1. ABANDON AND PLUG EXISTING 24 INCH AND 36 INCH CMPs AND INLET STRUCTURES AS APPLICABLE. REMOVE INLET STRUCTURE TOPS AND DISPOSE PER OWNERS REPRESENTATIVE'S DIRECTION. PIPE ENDS SHALL BE BULKHEADED AND FILLED WITH CONCRETE PER OWNERS REPRESENTATIVE'S DIRECTION.
2. NOT IN CONTRACT. COVER COMPLETED IN THIS AREA UNDER THE DCC PROJECT.
3. COVER DETAIL PER SHEET G-7.
4. FEATHER OUT COVER SOILS TO MEET EXISTING GRADES AT BOYNTON STREET AND PROPERTY BOUNDARIES. SEE TYPICAL COVER MATERIAL AND GEOTTEXTILE TIE-IN DETAIL ON SHEET G-7.
5. AREA CAPPED WITH SOIL TO BE REVEGETATED PER SPECIFICATION 02503.

⚠1

PT. NO.	NORTHING	EASTING	DESCRIPTOR
A	1148105.11	851285.81	LIMITS OF GRADING COORDINATES
B	1148105.11	851465.81	LIMITS OF GRADING COORDINATES
C	1147955.11	851485.81	LIMITS OF GRADING COORDINATES
D	1147955.11	851527.37	LIMITS OF GRADING COORDINATES
E	1147805.11	851486.41	LIMITS OF GRADING COORDINATES
F	1147805.48	851465.81	LIMITS OF GRADING COORDINATES
G	1147764.47	851465.81	LIMITS OF GRADING COORDINATES
H	1147667.61	851352.86	LIMITS OF GRADING COORDINATES
I	1147667.61	851325.81	LIMITS OF GRADING COORDINATES
J	1147661.88	851325.81	LIMITS OF GRADING COORDINATES
K	1147761.88	851289.69	LIMITS OF GRADING COORDINATES
L	1147779.48	851289.69	LIMITS OF GRADING COORDINATES

⚠2

NO.	DATE	REVISION	INIT.
2	6/25/98	REVISED PER ADDENDUM NO. 2	
1	5/11/98	REVISED PER ADDENDUM NO. 1	
0	4/13/98	ISSUED FOR CONSTRUCTION	

1"=40' 40 0 40 80

THIS DRAWING WAS PREPARED AT THE SCALE INDICATED IN THE TITLE BLOCK. INACCURACIES IN THE STATED SCALE MAY BE INTRODUCED WHEN DRAWINGS ARE REPRODUCED BY ANY MEANS. USE THE GRAPHIC SCALE BAR IN THE TITLE BLOCK TO DETERMINE THE ACTUAL SCALE OF THIS DRAWING.

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ENGINEER, TO ALTER THIS DOCUMENT.

Dean J. Cohen 6/29/98

O'BRIEN & GERE ENGINEERS INC.

SOLUTIA INC.
EASTSIDE PROPERTIES CLOSURE DESIGN
ANNISTON ALABAMA

GENERAL
BETHEL CHURCH PROPERTY
GRADING PLAN

IN CHARGE OF Dean J. Cohen
DESIGNED BY TJS CHECKED BY AJC
DRAWN BY JMA

FILE NO. 2600.037-017
DATE MAY 11, 1998

G-15

DWG PATH: I:\PROJECTS\260003
PLOT DATE: 5/11/98