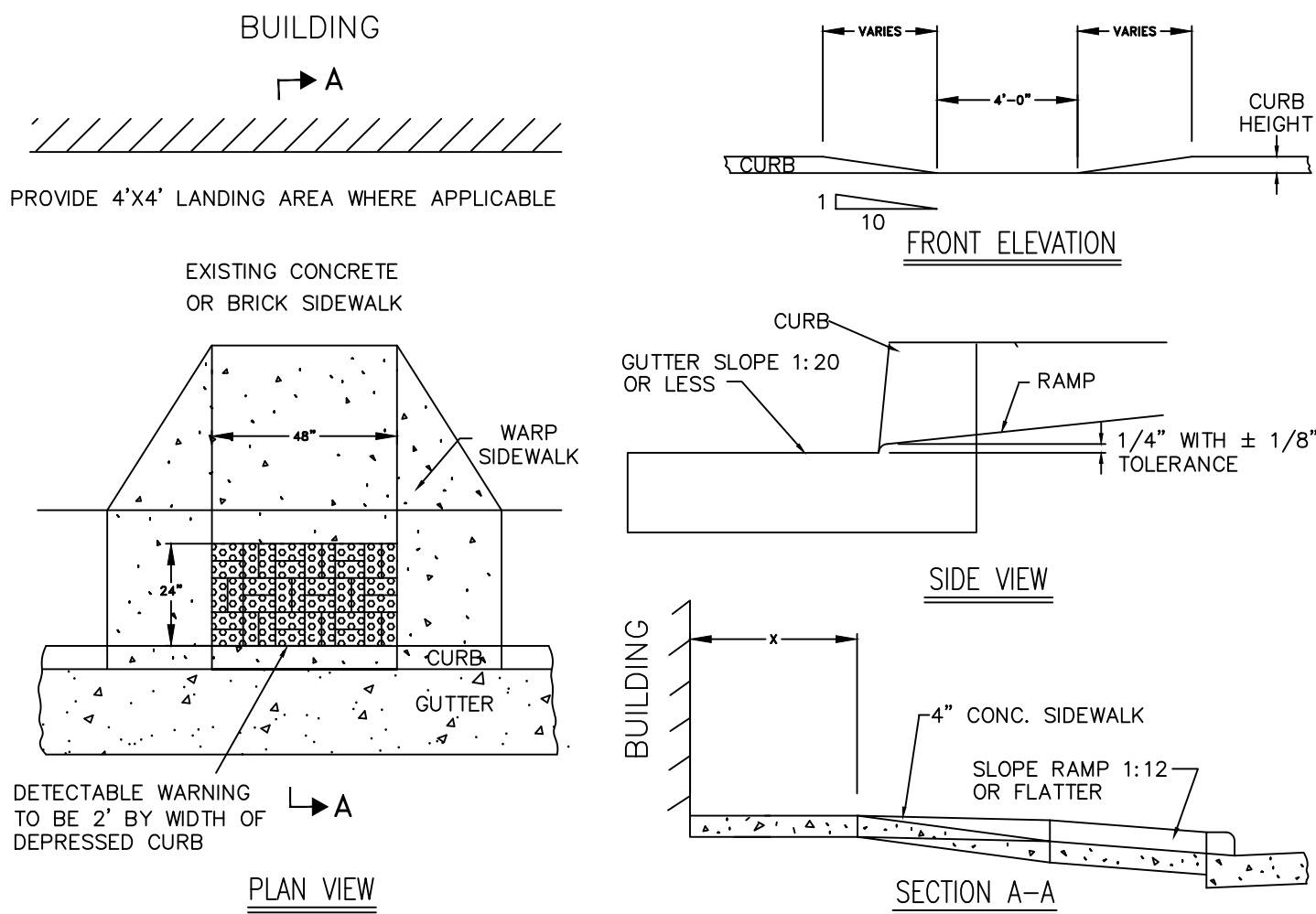


GENERAL CONSTRUCTION NOTES:

ALL CONSTRUCTION SHALL BE IN CONFORMANCE TO THE CURRENT CITY OF POOLER DESIGN STANDARDS, SPECIFICATIONS AND DETAILS OR AS OTHERWISE ISSUED FOR THIS PROJECT. IN CASE OF CONFLICT BETWEEN THESE PLANS AND THE CITY OF POOLER'S ORDINANCES, STANDARDS, SPECIFICATIONS, OR DETAILS, THE CITY OF POOLER REQUIREMENTS SHALL BE REQUIRED.

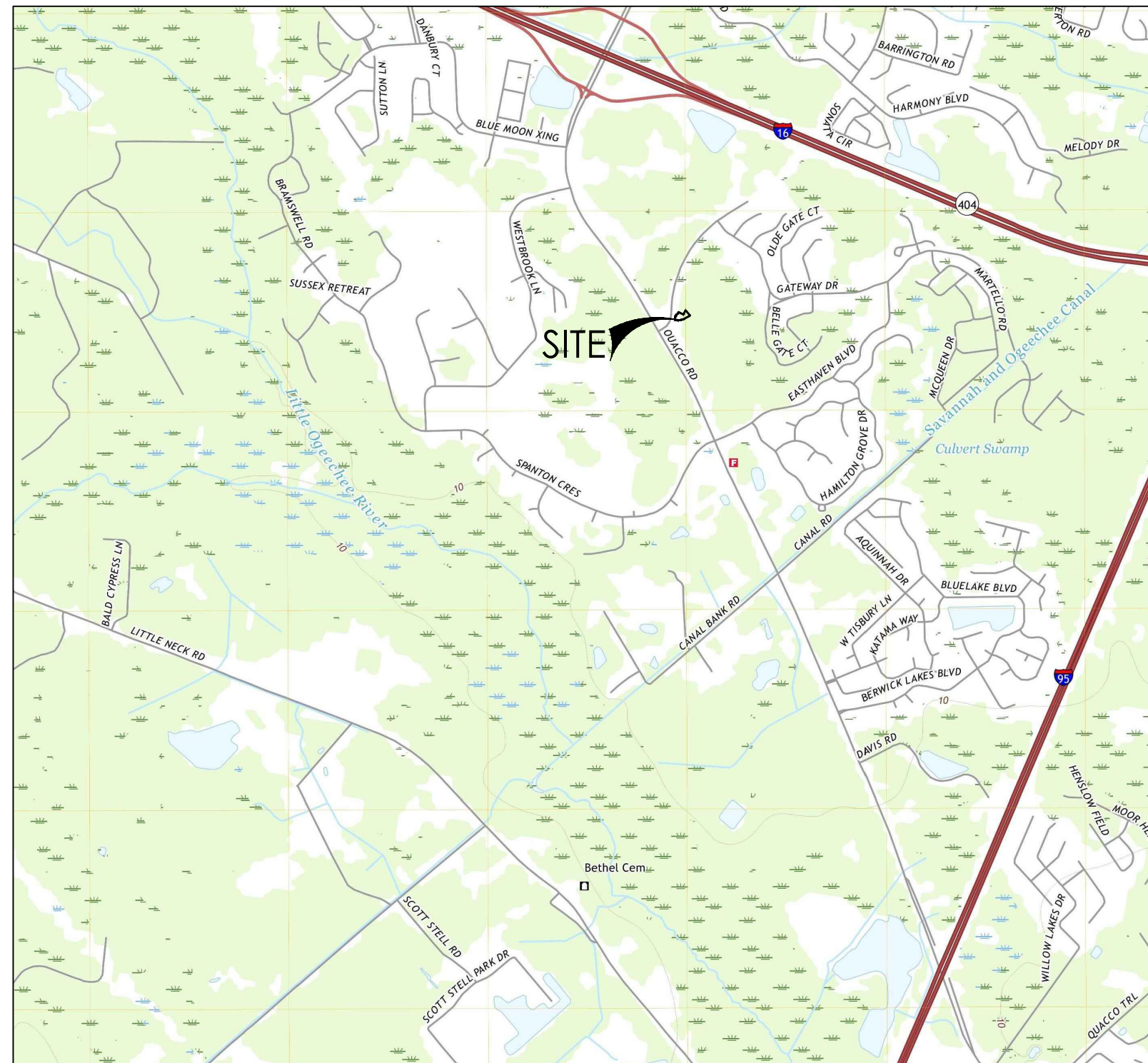
- LAYOUT TO BE CONTROLLED BY EXISTING BENCHMARK.
- DIMENSIONS TO CURB AND GUTTER ARE TO FACE OF CURB.
- DIMENSIONS TO WALK ARE TO FACE OF WALK.
- DIMENSIONS TO BUILDING ARE TO FACE OF BUILDING.
- DIMENSIONS TO STRIPING IS TO CENTERLINE OF STRIPING.
- ALL ANGLES ARE 90° UNLESS OTHERWISE NOTED.
- ALL RADII ARE 5' UNLESS OTHERWISE NOTED.
- BLUE METAL REFLECTIVE SIGN AT LEAST 12" IN WIDTH AND 18" IN LENGTH AND ERECTED AT 7' ABOVE GRADE IN SUCH MANNER SO AS TO BE CLEARLY VISIBLE TO THE PARKING VEHICLE. THE SIGN SHALL HAVE PRINTED IN WHITE LETTERS NOT LESS THAN ONE INCH IN HEIGHT ON THREE SEPARATE LINES AND CENTERED THE FOLLOWING WORDS: "PERMIT PARKING ONLY", "TOW-AWAY ZONE" AND "MAXIMUM FINE \$500.00". SUCH SIGNS SHALL ALSO DISPLAY THE SYMBOL FOR HANDICAP ACCESSIBILITY CENTERED BETWEEN THE SECOND AND THIRD LINES. VAN ACCESSIBLE SPACE SHALL HAVE ADDITIONAL SIGN WITH THE FOLLOWING WORDS: "VAN ACCESSIBLE".
- TRAFFIC CONTROL DEVICES SHALL BE USED ON ALL WORK ON THIS PROJECT IN ACCORDANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" CURRENT EDITION. THE COST TO COMPLY SHALL BE INCLUDED IN THE OVERALL COST OF THE PROJECT.
- REFERENCE SURVEYS:
 - BOUNDARY & TOPOGRAPHIC SURVEY - PREPARED BY SURVEYING CO. NAME (MM/YYYY).
 - VERTICAL DATUM: NAVD88 HORIZONTAL DATUM: NAD83
 - PROJECT IS ON STATE PLANE COORDINATES.
 - MAUPIN ENGINEERING, INC. DOES NOT ACCEPT ANY RESPONSIBILITY FOR ACCURACY OF PROVIDED SURVEY INFORMATION.
 - ONLY ABOVE GROUND, READILY VISIBLE STRUCTURES, UTILITIES AND SURFACE PAINT MARKINGS WERE LOCATED FOR THIS SURVEY. THIS SURVEYOR MAKES NO WARRANTY OR GUARANTEE AS TO THE LOCATION, EXISTENCE, OR NON-EXISTENCE OF ANY BELOWGROUND, NON-VISIBLE UTILITIES OR STRUCTURES. CONTRACTOR SHALL FIELD VERIFY LOCATION, TYPE, SIZE, MATERIAL AND GENERAL CONDITION OF ALL UTILITIES PRIOR TO CONSTRUCTION.
- ALL GRADED EARTH NOT OTHERWISE STABILIZED WITH BUILDING, PAVEMENT OR VEGETATION SHALL BE GRASSED OR SODDED.
- OWNER SHALL ACCEPT MAINTENANCE OF THE STORM DRAINAGE SYSTEM, INCLUDING ROOF DRAIN CONNECTIONS, WITHIN THE LIMITS OF THE PROPERTY. CITY OF POOLER WILL NOT MAINTAIN THE STORM DRAINAGE SYSTEM WITHIN THE PROPERTY. THIS SITE IS DESIGNED TO DISCHARGE STORM WATER RUNOFF INTO THE APPROVED MASTER DRAINAGE CONVEYANCE AND DETENTION SYSTEM.
- DITCHES, ALL DRAINAGE STRUCTURES, ORIFICES AND PAVEMENT ELEVATIONS SHALL BE SURVEYED FOR "AS-BUILT" DRAWINGS ALONG WITH THE WATER AND SANITARY SEWER SERVICES.
- ADJUST EXISTING MANHOLE FRAMES, GRATES AND VALVE BOXES TO GRADE AS NEEDED.
- ALL STORM DRAIN PIPE JOINTS SHALL BE WRAPPED WITH FILTER FABRIC.
- MATCH EXISTING PAVEMENT GRADE ELEVATIONS WHERE CONNECTING TO EXISTING PAVEMENT.
- FILL BENEATH BUILDINGS SHALL BE COMPACTED IN ACCORDANCE WITH BUILDING STRUCTURAL SPECIFICATIONS.
- CONTRACTOR TO FIELD VERIFY DURING CONSTRUCTION ANY EXISTENCE OF SUB-SURFACE DEBRIS OR ORGANIC MATERIAL. ANY SUB-SURFACE DEBRIS OR ORGANIC MATERIAL FOUND SHALL BE EXCAVATED TO A MINIMUM DEPTH OF 2' BELOW GRADED AGGREGATE BASE IN PAVEMENT AREAS AND 2' BELOW BOTTOM OF FOOTINGS FOR BUILDINGS (CONTRACTOR SHALL CONSULT WITH BUILDING STRUCTURAL ENGINEER FOR ANY WORK BENEATH OR ADJACENT TO BUILDING AND/OR ABOVE OR BELOW GRADE STRUCTURES). IF EXCESSIVE DEBRIS OR ORGANIC MATERIAL IS FOUND, ENGINEER SHALL BE CONTACTED FOR INSPECTION. REMOVAL OF INSPECTED MATERIAL SHALL BE DIRECTED BY THE ENGINEER.
- ALL EROSION AND SEDIMENT CONTROL DEVICES (BMPs) SHALL BE CONSTRUCTED SIMULTANEOUSLY WITH THE DISTURBANCE OF THE LAND AND SHALL REMAIN FUNCTIONAL AND BE MAINTAINED BY CONTRACTOR UNTIL THE CONTRIBUTING DISTURBED AREAS ARE STABILIZED IN ACCORDANCE WITH THE GOVERNING NPDES GENERAL PERMIT.
- IF A RIGHT-OF-WAY ENCROACHMENT PERMIT MUST BE OBTAINED, AND IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN SUCH PERMIT.
- THE CITY OF POOLER INSPECTIONS DEPARTMENT RESERVES THE RIGHT TO ACCESS PROPERTY TO INSPECT STORM WATER FACILITIES AT ANY TIME.
- CHLORINATED, DISINFECTED WATER SHALL NOT BE DISCHARGED INTO THE STORM WATER SYSTEM.
- TRAFFIC CONTROL AND FLOW SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION.
- A MINIMUM SEPARATION OF 10 FEET SHALL BE MAINTAINED BETWEEN ALL INSTALLED OR RELOCATED UTILITIES AND LARGE AND MEDIUM TREES.
- ANY AND ALL STREET LIGHTING, LANDSCAPE, SIDEWALK AND ACCESSIBILITY REQUIREMENTS TO BE PERFORMED, DESIGNED AND/OR CONSTRUCTED SHALL BE COORDINATED WITH CIVIL ENGINEER.
- CONTRACTOR SHALL REFER TO ARCHITECTURAL AND/OR MECHANICAL, ELECTRICAL AND PLUMBING PLANS FOR THE ROOF DRAIN SYSTEM. COLLECTION AND DISCHARGE SHALL BE COORDINATED WITH CIVIL ENGINEER.
- SITE CIVIL PLANS SHALL TERMINATE 5' FROM BUILDING FACE UNLESS OTHERWISE NOTED. CONTINUATION OF WATER, SANITARY SEWER AND STORM DRAINAGE LATERALS SHALL BE COORDINATED WITH BUILDING CONTRACTOR IN ACCORDANCE WITH ARCHITECTURAL AND/OR MECHANICAL, ELECTRICAL AND PLUMBING PLANS.
- ALL CONSTRUCTION MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE TO THE APPROPRIATE JURISDICTIONS APPROVED CONSTRUCTION SPECIFICATIONS AND DETAILS.
- THE OWNER, OWNER'S REPRESENTATIVES, CITY OF POOLER AND OTHER REGULATORY AGENCIES SHALL HAVE THE RIGHT TO ACCESS THE SITE AT ANY TIME FOR PURPOSES OF OBSERVING WORK PERFORMED.
- ALL UTILITIES ARE SHOWN AS APPROXIMATE ON THE PLANS AND SHOULD BE FIELD VERIFIED BY THE CONTRACTOR. SOME UTILITIES AND SERVICE LINE LOCATIONS ARE UNKNOWN AND NOT SHOWN ON THE PLANS. THIS DOES NOT RELIEVE THE CONTRACTOR FROM HIS RESPONSIBILITY TO PROTECT EXISTING UNDERGROUND FACILITIES. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING A VALID UTILITY LOCATE TICKET FROM THE GEORGIA UTILITIES PROTECTION CENTER (811 / 800-282-7411), AND COORDINATION WITH OTHER SUCH LOCAL UTILITIES AS MAY BE REQUIRED.
- THE CONTRACTOR WILL PROTECT ALL TREES NOTED TO REMAIN WITHIN AND ADJACENT TO THE CONSTRUCTION ZONE. ANY UNAUTHORIZED REMOVAL OF TREES NOTED TO REMAIN WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REESTABLISH TO THE SATISFACTION OF THE ENGINEER.
- THE CONTRACTOR IS RESPONSIBLE FOR FURNISHING ALL BORROW MATERIAL NECESSARY FOR THE CONSTRUCTION OF THIS PROJECT. ALL BORROW MATERIAL SHALL BE CLEAN AND FREE OF DEBRIS AND ORGANIC MATERIAL AND SUFFICIENT TO COMPACT TO A MINIMUM BEARING CAPACITY OF 2,500PSF OR AS OTHERWISE SPECIFIED.
- ALL ITEMS CLEARED OR DEMOLISHED FROM THE SITE, INCLUDING SPOIL MATERIAL TO BE REMOVED FOR OFF-SITE DISPOSAL, ARE THE PROPERTY OF THE CONTRACTOR UNLESS THEY ARE TO BE REUSED ON THE SITE OR OTHERWISE NOTED. NO BURYING OR BURNING OF DEBRIS WILL BE ALLOWED ON THIS SITE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING BEST MANAGEMENT PRACTICES (BMP'S) ON THE SITE AT ALL TIMES IN ACCORDANCE WITH THESE PLANS AND THE "MANUAL FOR EROSION AND SEDIMENT CONTROL OF GEORGIA".



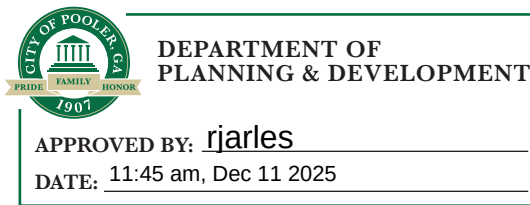
- NOTES:
- HANDICAP RAMP CONSTRUCTION SHALL CONFORM TO ALL FEDERAL, STATE AND CITY OF POOLER CODES AND SPECIFICATIONS.
 - SURFACES SHALL MEET THE GUIDELINES OF THE ADA STANDARDS FOR ACCESSIBILITY, APPENDIX A, PART 36.
 - WHERE SIDEWALK IS FLUSH WITH BACK OF CURB, DELETE ADDITIONAL 4' CONCRETE SIDEWALK AND TRANSITION THE CURB AND SIDEWALK SUCH THAT THE MAXIMUM SLOPE OF THE RAMP AND TRANSITION SIDEWALK IS 1:12.
 - THE FLARED SIDES MUST HAVE A 1:10 SLOPE. IF THE DISTANCE X IS LESS THAN 48", THEN THE SLOPE OF THE FLARED SIDES SHALL NOT EXCEED 1:12.
 - THE SLOPE OF THE GUTTER MUST NOT EXCEED 1:20 ADJACENT TO THE RAMP.
 - DETECTABLE WARNING SHALL CONSIST OF RAISED TRUNCATED DOMES WITH A DIAMETER OF NOMINAL 0.9 INCHES, A HEIGHT OF NOMINAL 0.2 INCHES AND A CENTER TO CENTER SPACING OF NOMINAL 2.35 INCHES AND SHALL CONTRAST VISUALLY WITH ADJOINING SURFACES. IF THE SIDEWALK AND RAMP ARE CONSTRUCTED OF CONCRETE, THE WARNING AREA SHALL BE RED BRICK IN COLOR. IF THE SIDEWALK AND RAMP ARE CONSTRUCTED OF RED BRICK, THE WARNING AREA SHALL BE GRAY IN COLOR. THE COLOR USED TO PROVIDE CONTRAST SHALL BE AN INTEGRAL PART OF THE WALKING SURFACE.
 - BRICK PAVERS SHALL BE SET IN A WET MORTAR BED. THE BED SHALL BE PLACED ON CONCRETE. THE CONCRETE SHALL BE A MINIMUM OF FOUR INCHES THICK.

HANDICAP RAMP TYPE 'A' DETAIL

SCALE: N.T.S.



USGS QUAD - CHATHAM COUNTY - MELDRIM SE



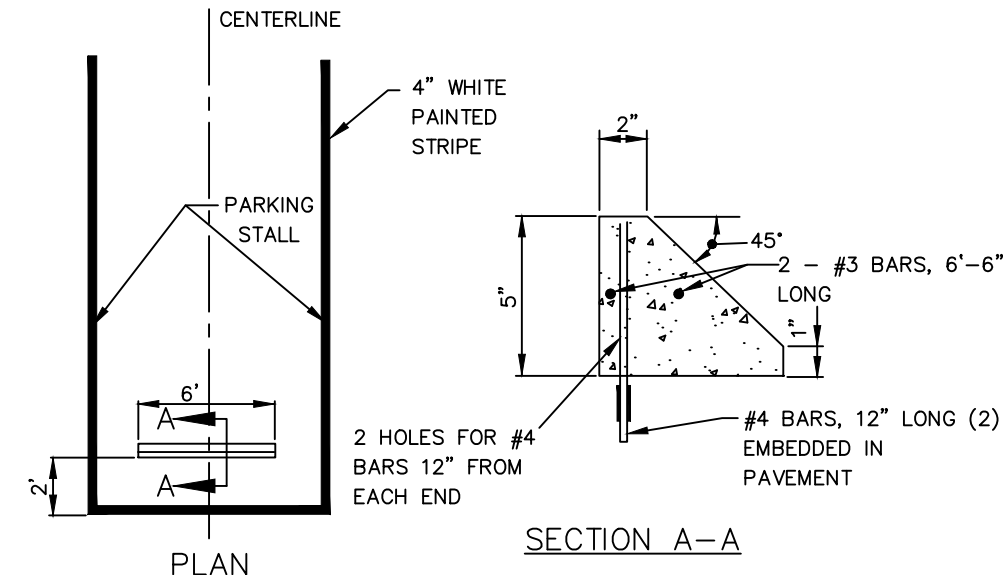
GENERAL DEVELOPMENT NOTES:

- PIN: 51009 01150
ADDRESS: 15 COMMONS WAY
POOLER, GA 31322
- CONSTRUCTION EXIT LOCATION
N: 32.072352°
W: 81.275418°
- TOTAL LAND ACREAGE = 1.6(±) AC
TOTAL DISTURBED ACREAGE = 1.6(±) AC
- EXISTING USE OF PROPERTY : VACANT
PROPOSED USE OF PROPERTY : DAY CARE

PRESENT SITE ZONING : PUD - SAVANNAH QUARTERS PHASE 2 (TRACT 13)
MAXIMUM BUILDING HEIGHT : 60'
PROPOSED HEIGHT : 22'-2"
- PRE DEVELOPMENT
GREEN SPACE : 1.63AC (100%)
BUILDING AREA : 0.00AC (0%)
PAVEMENT AREA : 0.00AC (0%)

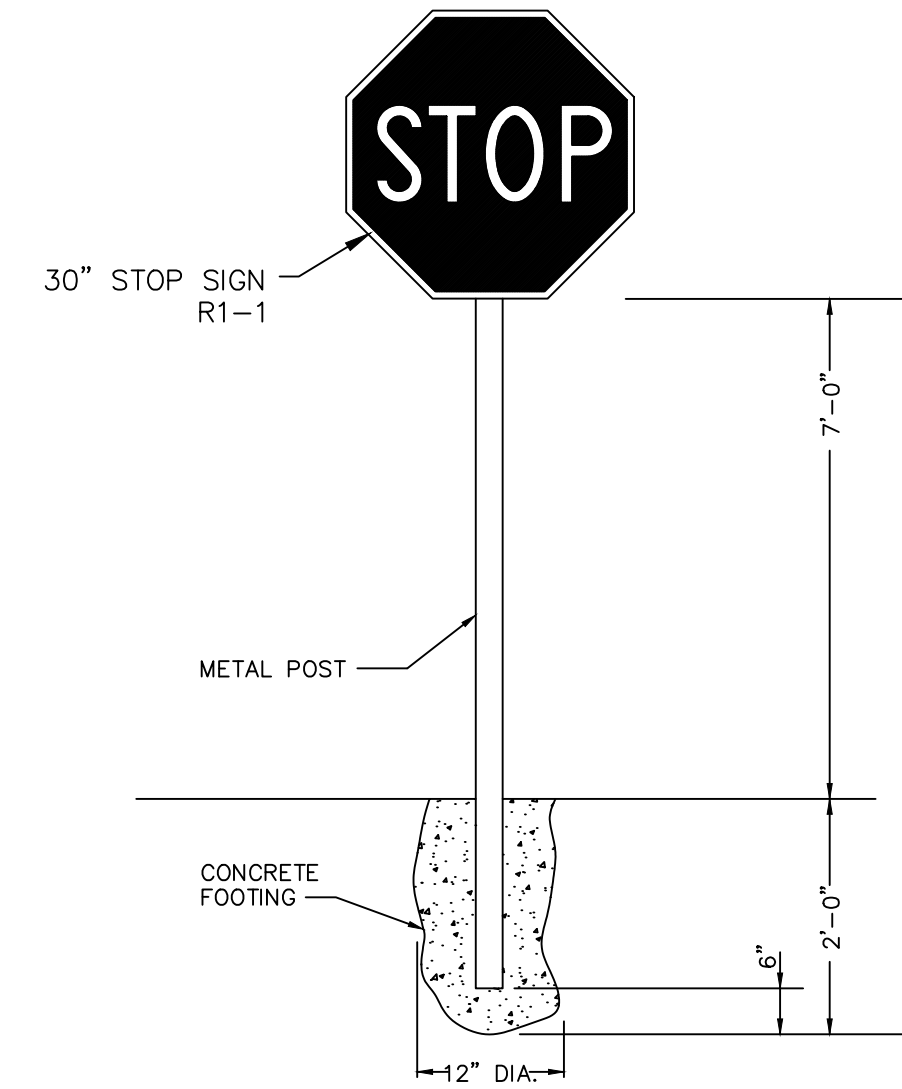
POST DEVELOPMENT
GREEN SPACE : 0.81AC (49.7%)
BUILDING AREA (11,500sf) : 0.29AC (17.8%)
PAVEMENT AREA : 0.53AC (32.5%)
- A PORTION OF THIS PROPERTY IS LOCATED IN ZONE AE15, A SPECIAL FLOOD HAZARD AREA AS DETERMINED BY FEMA FLOOD INSURANCE RATE MAP #13051C0109G, DATED 8/16/2018
- THE SITE IS SERVED BY THE CITY OF POOLER WATER AND SANITARY SEWER SYSTEM.
- NO STATE WATERS ON-SITE; NO WRESTED VEGETATION FOR WETLAND AND NO STATE BUFFER REQUIRED ALTHOUGH MASTER DEVELOPER PROVIDED BUFFER PER PLAT
- PARKING SPACE CALCULATIONS:

REQUIRED:	DAYCARE	PER ZONING ADMIN DISCRETION
PROVIDED:	STANDARD STALLS	34 STALLS
	ADA STALLS	2 STALLS
	TOTAL	36 SPACES
- SITE LIGHTING PLAN TO BE PROVIDED SEPARATELY



TYPICAL CONCRETE WHEEL STOP

NOT TO SCALE



STOP SIGN

NOT TO SCALE

UTILITIES PROTECTION CENTER

Dig Safely.
CALL 811

CONTRACTOR IS REQUIRED TO CALL AT LEAST 3 DAYS PRIOR TO START OF CONSTRUCTION

FELC 247 - Foundations at Blakely Commons

Specific Development Plan
Site Permit #A24-0155

MEI Proj #933-23-01 Plan Date: 10/28/25

PREPARED FOR:

THE SUNSHINE HOUSE, INC.

Jerod Mann

601 E. McBee Ave. Ste. 201

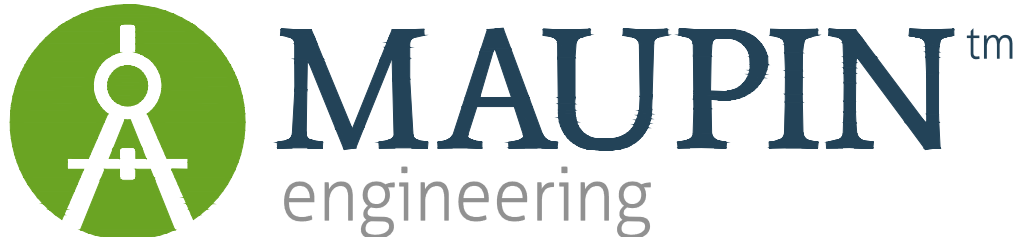
Greenville, SC 29601

864-293-3856

jmann@sshouse.com



VICINITY MAP



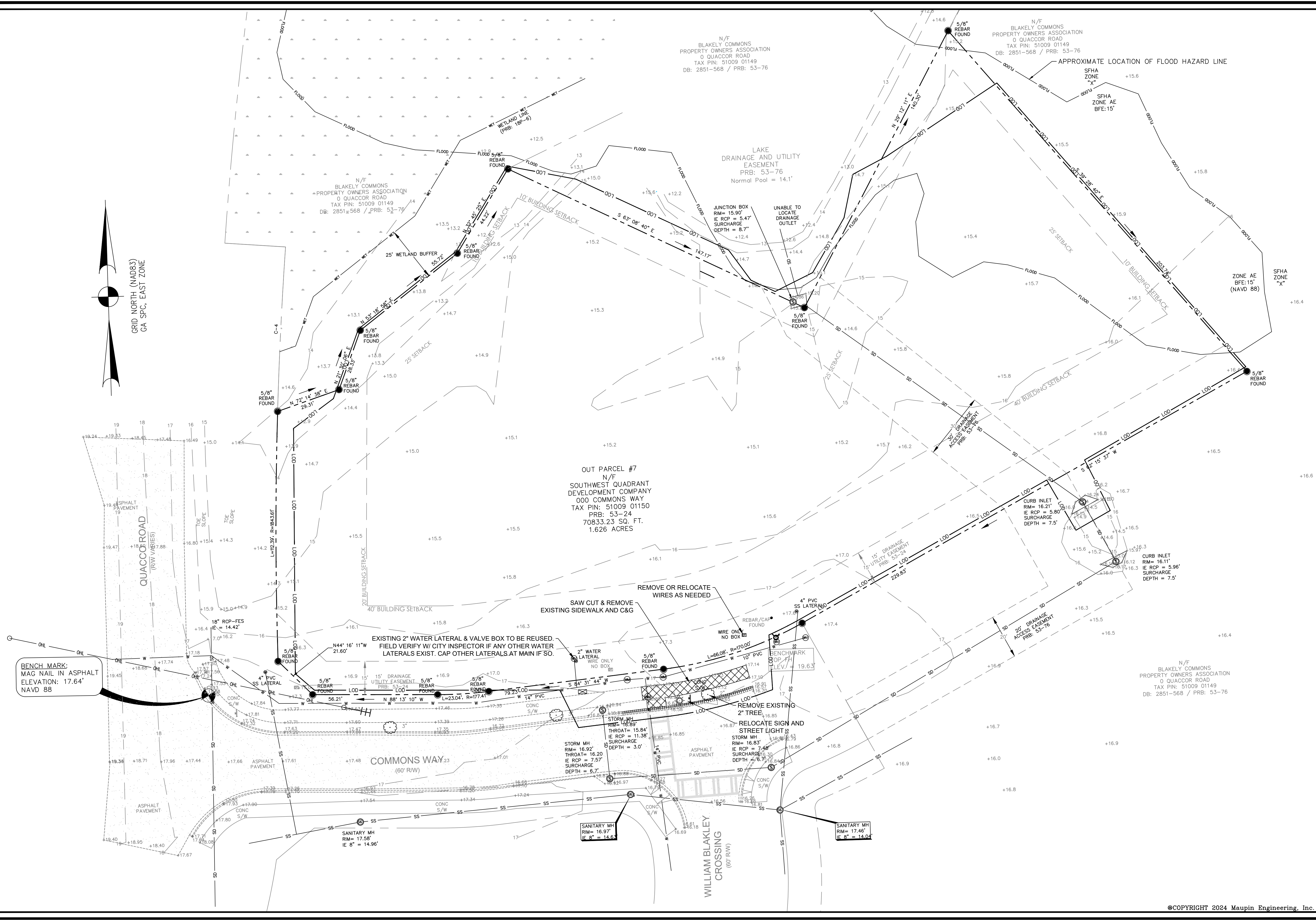
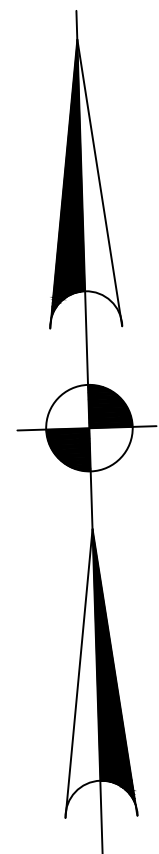
114 WEST 42ND STREET
SAVANNAH, GA 31401
OFFICE PHONE (912) 235 - 2915
GENERAL@MAUPINENGINEERING.COM

SHEET INDEX

C.0	COVER - NOTES
C.2	EXISTING CONDITIONS / DEMOLITION PLAN
C.3	STAKING PLAN
C.4	UTILITY PLAN
C.5	GRADING PLAN
C.6	LANDSCAPING PLAN
C.E1	EROSION CONTROL PLAN - INITIAL
C.E2	EROSION CONTROL PLAN - INTERMEDIATE
C.E3	EROSION CONTROL PLAN -FINAL
C.D1-D5	DETAILS
PH	PHOTOMETRIC PLAN (BY GAPOWER)
L1	ADDITIONAL LANDSCAPING (BY ATLANTIC STAR)

REVISIONS		
NO.	DATE	DESCRIPTION

THIS SET IS RELEASED FOR REVIEW 10/28/25



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	DATE	
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DEMOLITION PLAN

FELC 247 - Foundations at Blakely Commons

LEVEL II E&S

GEORGIA
REGISTERED
PROFESSIONAL ENGINEER
NO. 23758
MAUPIN
A. MAUPIN

CERT #21051 EXP: 12/01/2027

STATUS:

RELEASED FOR REVIEW

DRWN: JAM 9-24-2025

CHKD: JAM DATE

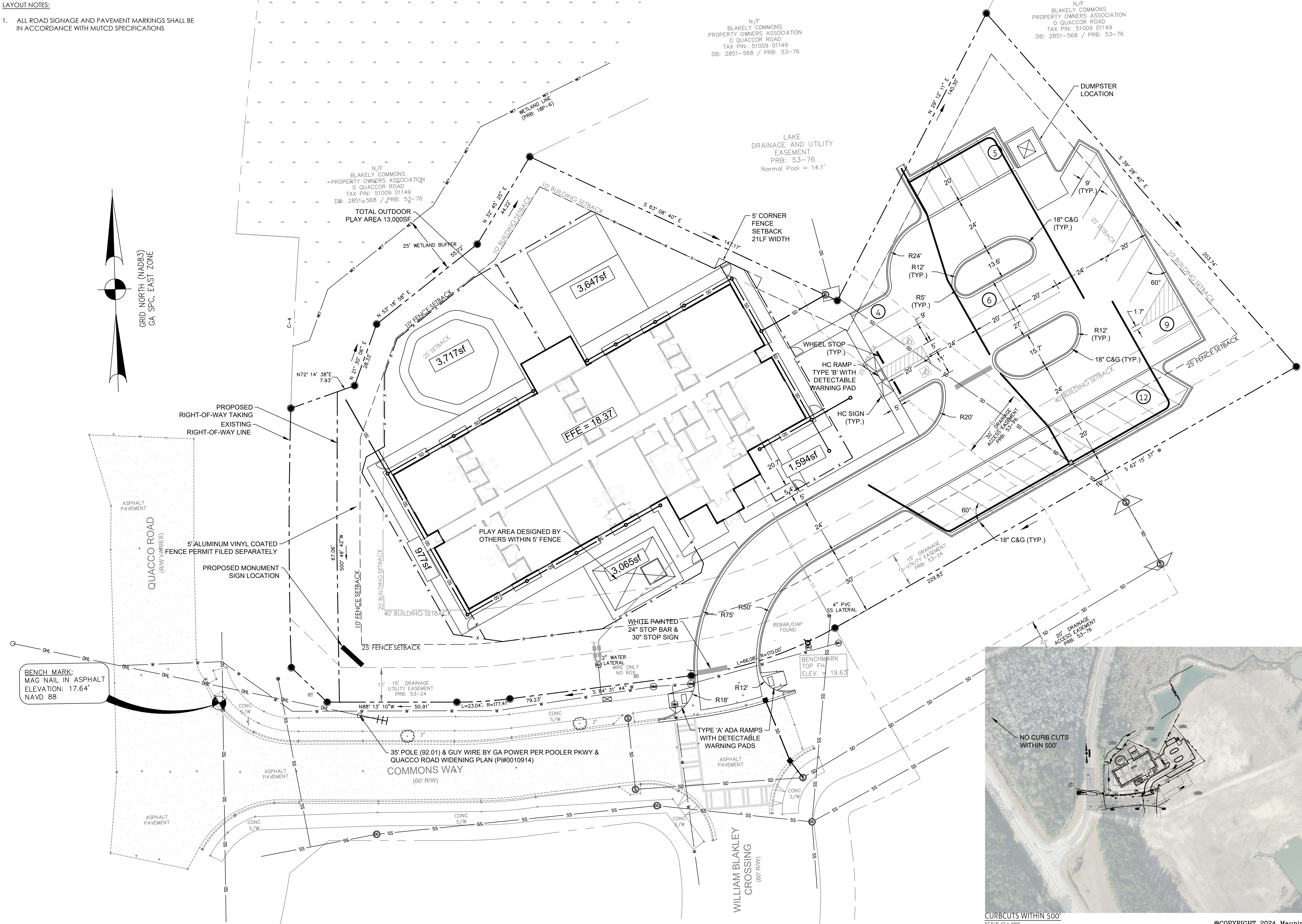
10 0 20
SCALE: 1" = 20'

SHEET NO.

C.2
933-23-01

PROJECT NO.

LAYOUT NOTES:
1. ALL ROAD SIGNAGE AND PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH MUTCD SPECIFICATIONS



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STAKING PLAN
FELC 247 - Foundations at Blakely Commons

LEVEL II E&S

GEORGIA
REGISTERED PROFESSIONAL ENGINEER
MAY A. MAUPIN

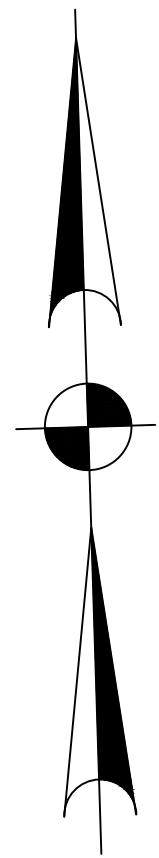
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10 0 20
SCALE: 1" = 20'

SHEET NO. **C.3**
933-23-01

PROJECT NO.



GRID NORTH (NAD83)
GA SPC, EAST ZONE

N/F
BLAKELY COMMONS
PROPERTY OWNERS ASSOCIATION
0 QUACCOR ROAD
TAX PIN: 51009 01149
DB: 2851-568 / PRB: 53-76

N/F
BLAKELY COMMONS
PROPERTY OWNERS ASSOCIATION
0 QUACCOR ROAD
TAX PIN: 51009 01149
DB: 2851-568 / PRB: 53-76

APPROXIMATE LOCATION OF FLOOD HAZARD LINE

SFHA
ZONE
"X"

SFHA
ZONE AE
BFE:15'

ZONE AE
BFE:15'
(NAVD 88)

SFHA
ZONE
"X"

PROPOSED CLEAN OUT
PEDESTRIAN RATED
& FLOOD PROOFED PER
APP.B, ART. VI, SEC. 606.01
& CH. 50, SEC 50-91
FR: 18.35
I.E. 15.65

FFE = 18.37

70LF 4" D.I.P.
@ 4.0% (MIN.)

CONNECT TO EXISTING
4" SERVICE
EX.I.E. 14.95

EXISTING FHA

N/F
BLAKELY COMMONS
PROPERTY OWNERS ASSOCIATION
0 QUACCOR ROAD
TAX PIN: 51009 01149
DB: 2851-568 / PRB: 53-76

BENCH MARK:
MAG NAIL IN ASPHALT
ELEVATION: 17.64'
NAVD 88

INSTALL 2-METER MANIFOLD
TO EXISTING 2" STUB
(SEE DETAIL)

SANITARY MH
RIM = 16.97'
I.E. 8" = 14.63'

SANITARY MH
RIM = 17.46'
I.E. 8" = 14.04'

WATER NOTES:

- ANY OTHER EXISTING WATER LATERALS THAT ARE ON SITE AND WILL NOT BE UTILIZED MUST BE CAPPED AT MAIN AND FIELD VERIFIED BY CITY INSPECTOR.
- IRRIGATION SYSTEM IS PROPOSED FOR THIS PROJECT; NO PLAN PROVIDED. AT INSTALLATION, NO IRRIGATION SHALL BE PLACED IN EASEMENTS OF RIGHTS-OF-WAY.
- FIRE PROTECTION SYSTEM IS NOT INCLUDED FOR THIS PROJECT
- NO INDUSTRIAL WASTEWATER WILL BE DISCHARGED FROM PROJECT

REVISIONS	DESCRIPTION	
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NO.		



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UTILITY PLAN

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LEVEL II E&S



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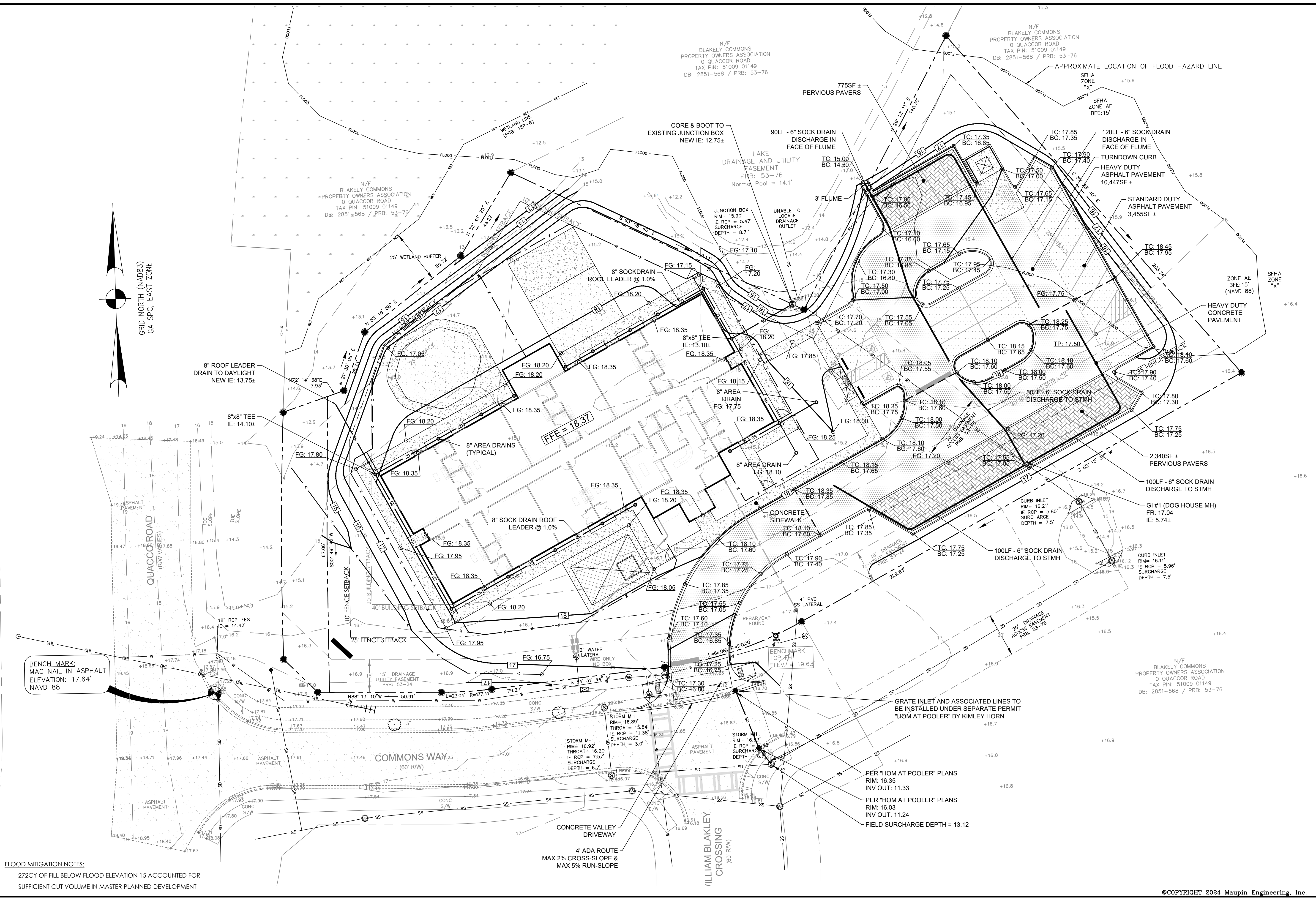
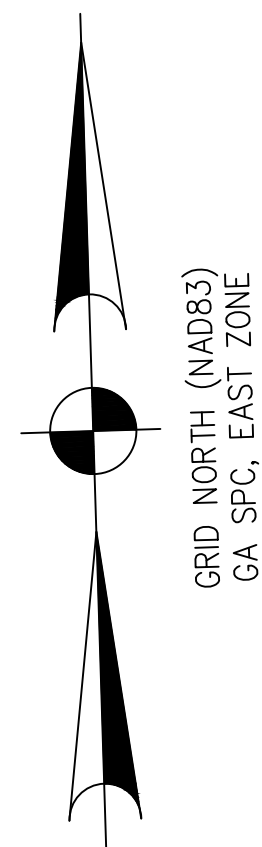
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10 0 20
SCALE: 1" = 20'

SHEET NO.

C.4
933-23-01



FLOOD MITIGATION NOTES:
272CY OF FILL BELOW FLOOD ELEVATION 15 ACCOUNTED FOR
SUFFICIENT CUT VOLUME IN MASTER PLANNED DEVELOPMENT

REVISIONS		DESCRIPTION
NO.	DATE	

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GRADING PLAN
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LEVEL II E&S

GEORGIA
REGISTERED
ENGINEER
A. MAUPIN
PROF. 23758

CERT.#21051 EXP: 12/01/2027
STATUS:

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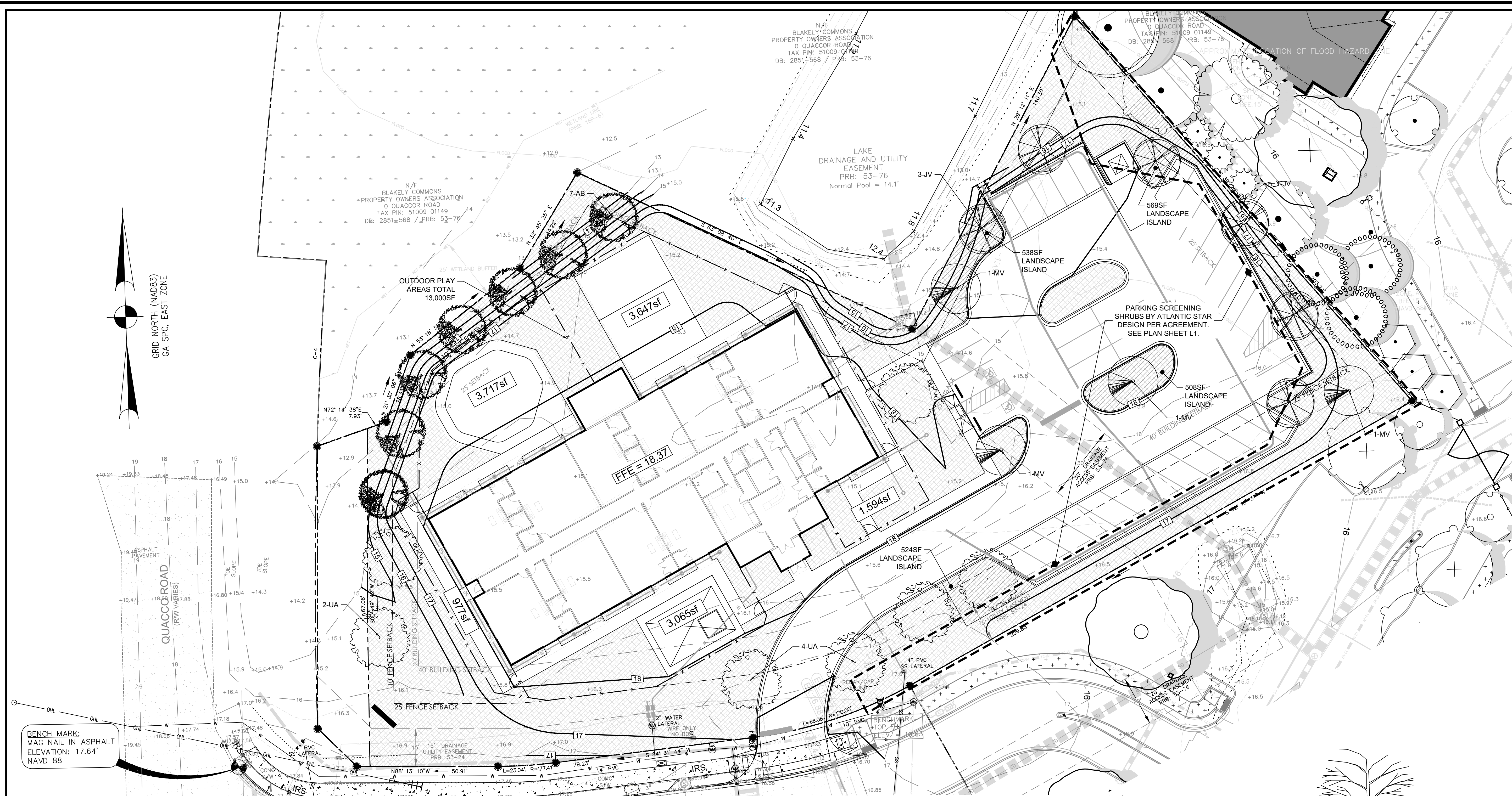
DRWN: JAM 9-24-2025
CHK'D: JAM DATE

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SCALE: 1" = 20'

SHEET NO.

C.5
933-23-01

PROJECT NO.



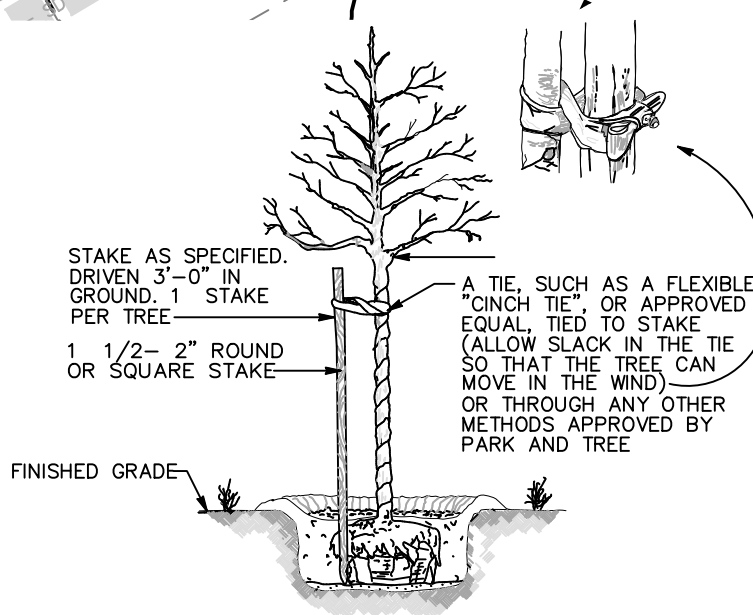
BENCH MARK:
MAG NAIL IN ASPHALT
ELEVATION: 17.64'
NAVD 88

LANDSCAPING REQUIREMENT CALCS		
Total Parcel Area, TA	1.6	Acres
Greenscape	0.675 (42.2%)	Acres (%)
Building Coverage (11,500sf)	16.5	%
Parking Stalls, PA	36	Stalls
Trees Required (TAn * 15 TREES)	24	Trees
Parking Landscape Islands (PA /12 stalls) * 500	1,500	SF
Total Trees Planted	24	Trees
Parking Landscape Islands	2,055	SF

Landscape Requirement Met

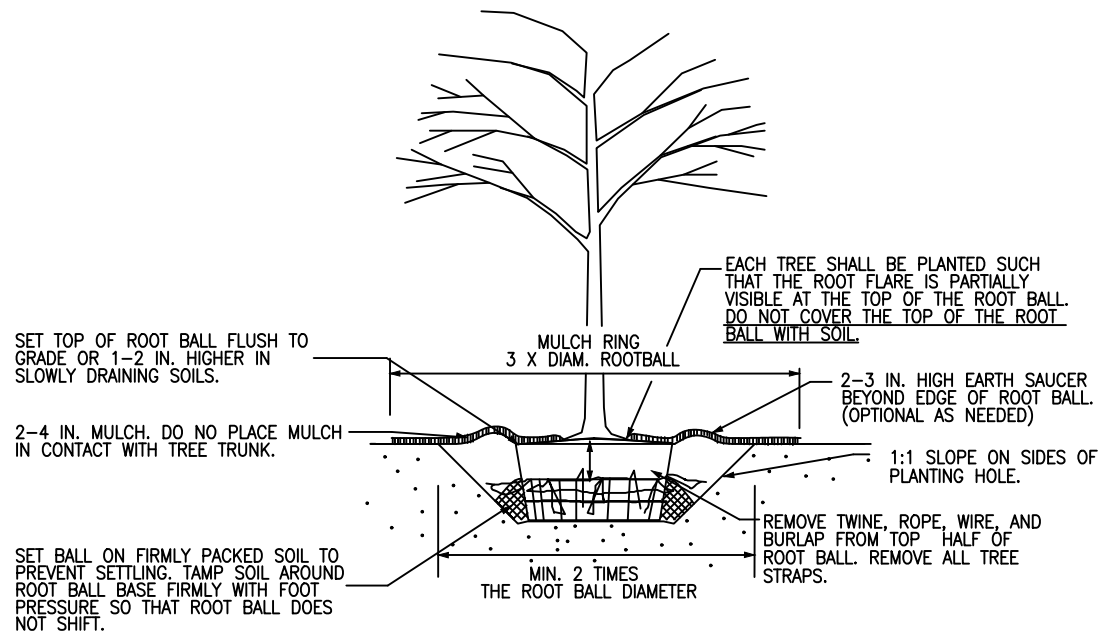
PLANTING SCHEDULE					
ITEM	SCIENTIFIC NAME	COMMON NAME	QTY	SIZE	SPACING
MV	MAGNOLIA VIRGINIANA	SWEETBAY MAGNOLIA	4	2" CALIPER	30' O.C.
JV	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	6	2.5" CALIPER	AS SHOWN
AB	ACER BUERGERIANUM	TRIDENT MAPLE	7	2.5" CALIPER	AS SHOWN
UA	ULMUS AMERICANA	AMERICAN ELM (HYBRID)	7	6" CALIPER	AS SHOWN
			24		

LANDSCAPING NOTES:
1. TREES SHALL NOT BE PLANTED WITHIN 10 FEET OF ANY UNDERGROUND UTILITY OR STORM DRAIN.
2. NO EXISTING SIGNIFICANT TREES



NOTES
1. STAKE TREES ONLY WHEN NECESSARY. STAKES SHALL BE REMOVED 6 MONTHS AFTER PLANTING.
2. OTHER ALTERNATE STAKING METHODS MAY BE USED UPON APPROVAL BY PARK AND TREE.

Tree Staking
NTS



NOTES
1. PRUNE ONLY CROSSOVER LIMBS, CO-DOMINANT LEADERS, AND BROKEN OR DEAD BRANCHES. SOME INTERIOR TWIGS AND LATERAL BRANCHES MAY BE PRUNED; HOWEVER, DO NOT REMOVE THE TERMINAL BUYS OF BRANCHES THAT EXTEND TO THE EDGE OF THE CROWN. ALL PRUNING SHALL CONFORM TO ANSI A300 STANDARDS. IMPROPERLY PRUNED TREES MAY BE REJECTED BY THE CITY.
2. STAKE TREES ONLY WHEN NECESSARY. SEE CITY TREE STAKING DETAILS.

Tree Planting
NTS

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REVISIONS		DESCRIPTION
NO.	DATE	

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LANDSCAPING PLAN
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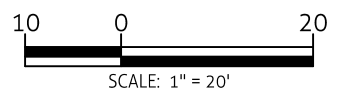
LEVEL II E&S

GEORGIA
REGISTERED
PROFESSIONAL
ENGINEER
No. 23758
MAUPIN, A. MAUPIN

CERT.#21051 EXP: 12/01/2027
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SHEET NO.

C.6
933-23-01

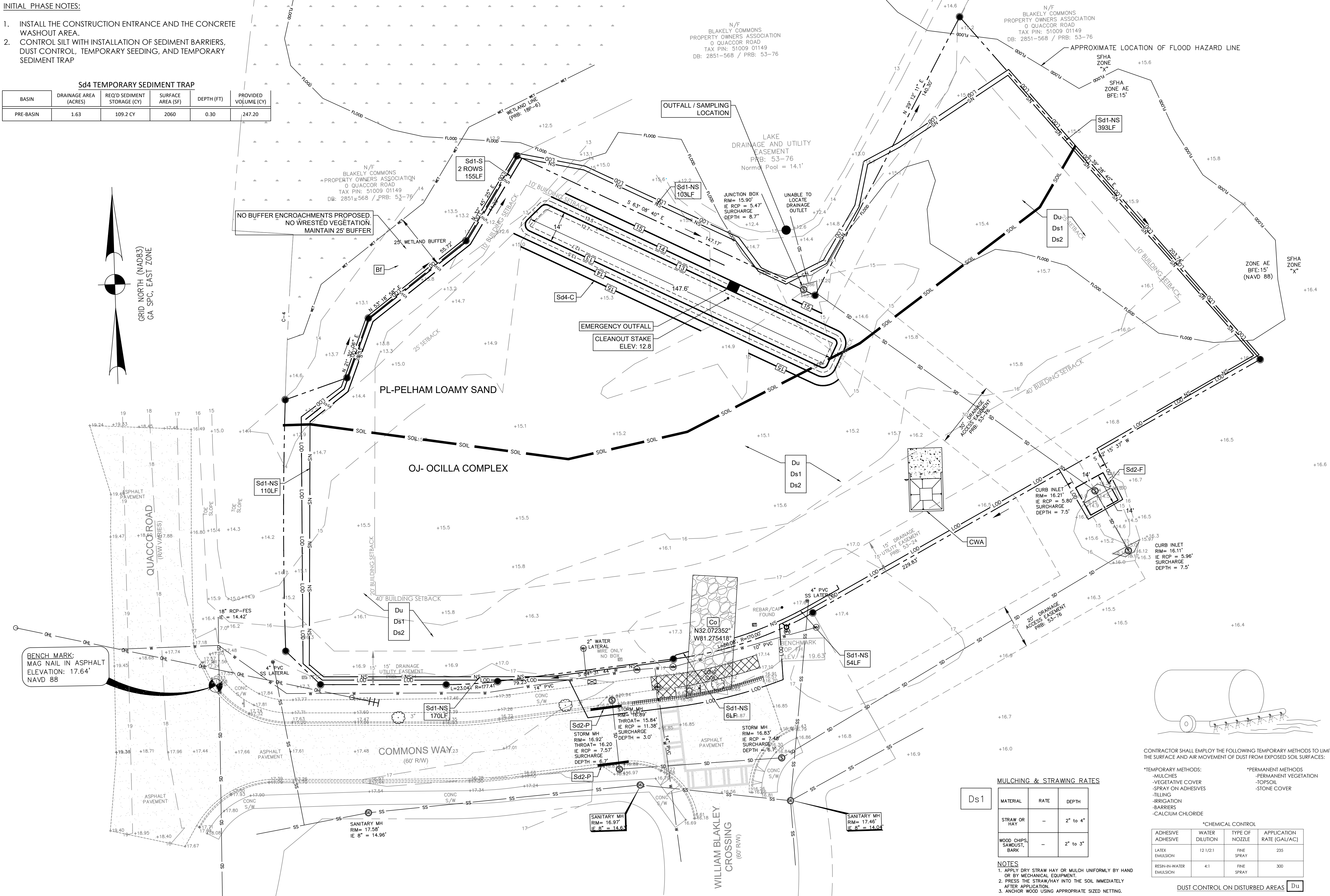
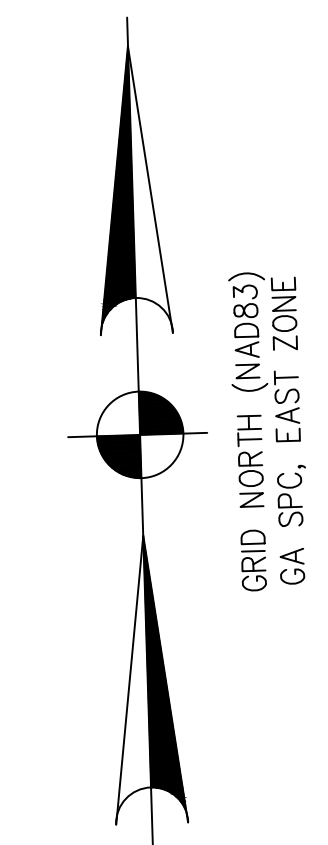
PROJECT NO.

INITIAL PHASE NOTES:

- INSTALL THE CONSTRUCTION ENTRANCE AND THE CONCRETE WASHOUT AREA.
- CONTROL SILT WITH INSTALLATION OF SEDIMENT BARRIERS, DUST CONTROL, TEMPORARY SEEDING, AND TEMPORARY SEDIMENT TRAP

Sd4 TEMPORARY SEDIMENT TRAP

BASIN	DRAINAGE AREA (ACRES)	REQ'D SEDIMENT STORAGE (CY)	SURFACE AREA (SF)	DEPTH (FT)	PROVIDED VOLUME (CY)
PRE-BASIN	1.63	109.2 CY	2060	0.30	247.20



MULCHING & STRAWING RATES

MATERIAL	RATE	DEPTH
STRAW OR HAY	-	2" to 4"
WOOD CHIPS, SAWDUST, BARK	-	2" to 3"

- NOTES
- APPLY DRY STRAW HAY OR MULCH UNIFORMLY BY HAND OR BY MECHANICAL EQUIPMENT.
 - PRESS THE STRAW/HAY INTO THE SOIL IMMEDIATELY AFTER APPLICATION.
 - ANCHOR WOOD USING APPROPRIATE SIZED NETTING.

CONTRACTOR SHALL EMPLOY THE FOLLOWING TEMPORARY METHODS TO LIMIT THE SURFACE AND AIR MOVEMENT OF DUST FROM EXPOSED SOIL SURFACES:

- *TEMPORARY METHODS:
- MULCHES
 - VEGETATIVE COVER
 - SPRAY ON ADHESIVES
 - TILLING
 - IRRIGATION
 - BARRIERS
 - CALCIUM CHLORIDE
- *PERMANENT METHODS:
- PERMANENT VEGETATION
 - TOPSOIL
 - STONE COVER

ADHESIVE	WATER DILUTION	TYPE OF NOZZLE	APPLICATION RATE (GAL/AC)
LATEX EMULSION	12 1/2:1	FINE SPRAY	235
RESIN-IN-WATER EMULSION	4:1	FINE SPRAY	300

DUST CONTROL ON DISTURBED AREAS [Du]

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REVISIONS	DESCRIPTION
NO.	DATE

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114 WEST 42ND STREET
SAVANNAH, GA 31401

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SEDIMENT AND EROSION
CONTROL PLAN - INITIAL

FELC 247 - Foundations at Blakely Commons

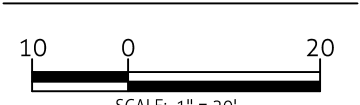
LEVEL II E&S

REGISTERED PROFESSIONAL ENGINEER
A. MAUPIN

CERT.#21051 EXP: 12/01/2027

RELEASED FOR REVIEW

DRWN: JAM 9-24-2025
CHK'D: JAM DATE



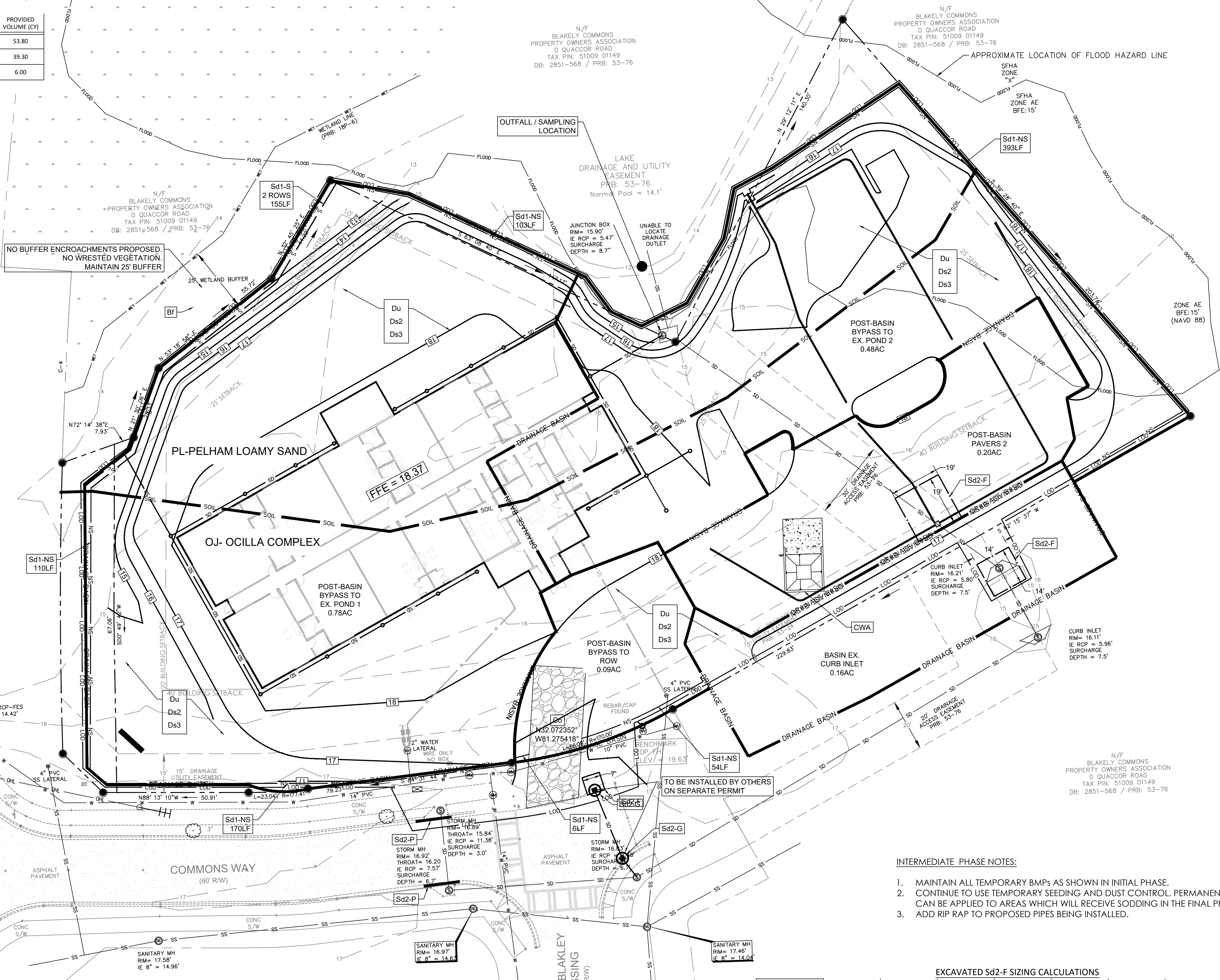
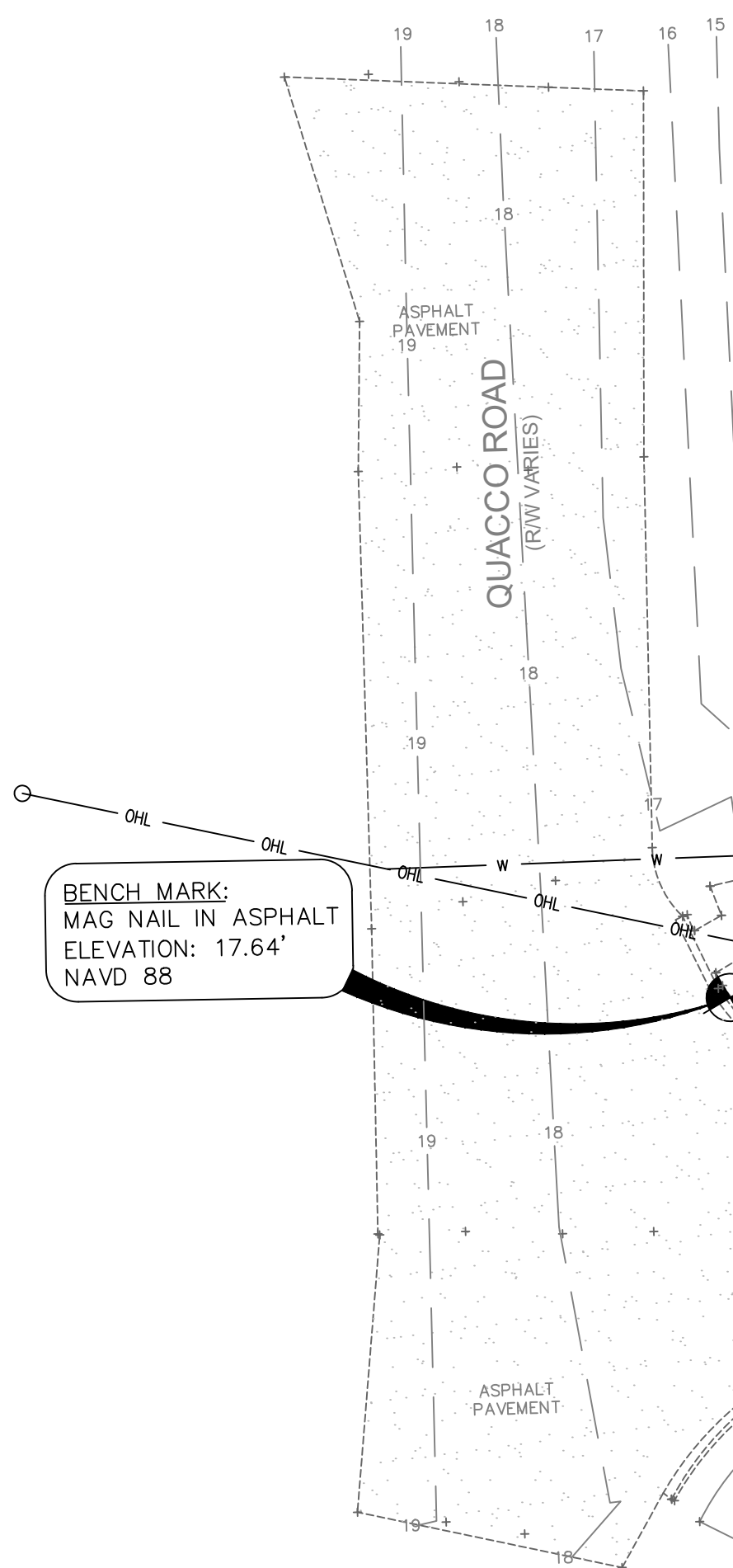
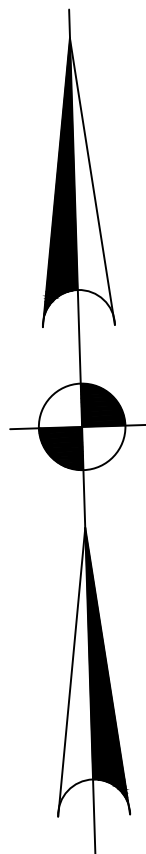
SHEET NO.

C.e1

933-23-01

PROJECT NO.

Sd1 SILT FENCE CALCULATIONS					
BASIN	DRAINAGE AREA (ACRES)	REQ'D SEDIMENT STORAGE (CY)	LENGTH OF FENCE (LF)	STORAGE / LF (CY)	PROVIDED VOLUME (CY)
BYPASS TO POND 1	0.78	52.3 CY	538	0.10	53.80
BYPASS TO POND 2	0.48	32.2 CY	393	0.10	39.30
BYPASS TO ROW	0.09	6 CY	60	0.10	6.00



- INTERMEDIATE PHASE NOTES:
1. MAINTAIN ALL TEMPORARY BMPs AS SHOWN IN INITIAL PHASE.
 2. CONTINUE TO USE TEMPORARY SEEDING AND DUST CONTROL. PERMANENT SEEDING CAN BE APPLIED TO AREAS WHICH WILL RECEIVE SODDING IN THE FINAL PHASE.
 3. ADD RIP RAP TO PROPOSED PIPES BEING INSTALLED.

EXCAVATED Sd2-F SIZING CALCULATIONS								
BASIN	DRAINAGE AREA (ACRES)	REQ'D SEDIMENT STORAGE (CY)	EXCAVATION DEPTH (FT)	SLOPE RATIO (FT)	REQ'D SURFACE AREA (SF)	WIDTH (FT)	SHAPE	PROVIDED VOLUME (CY)
EX-CURB INLET	0.16	10.7 CY	1.50	2	193	14	SQUARE	10.89
POST-PAVERS 2	0.20	13.4 CY	1.50	2	241	16	SQUARE	14.22

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**SEDIMENT AND EROSION
CONTROL PLAN - INTERMEDIATE**

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LEVEL II E&S

GEORGIA
REGISTERED
ENGINEER
A. MAUPIN

CERT.#21051 EXP: 12/01/2027
STATUS:

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FOR
REVIEW**

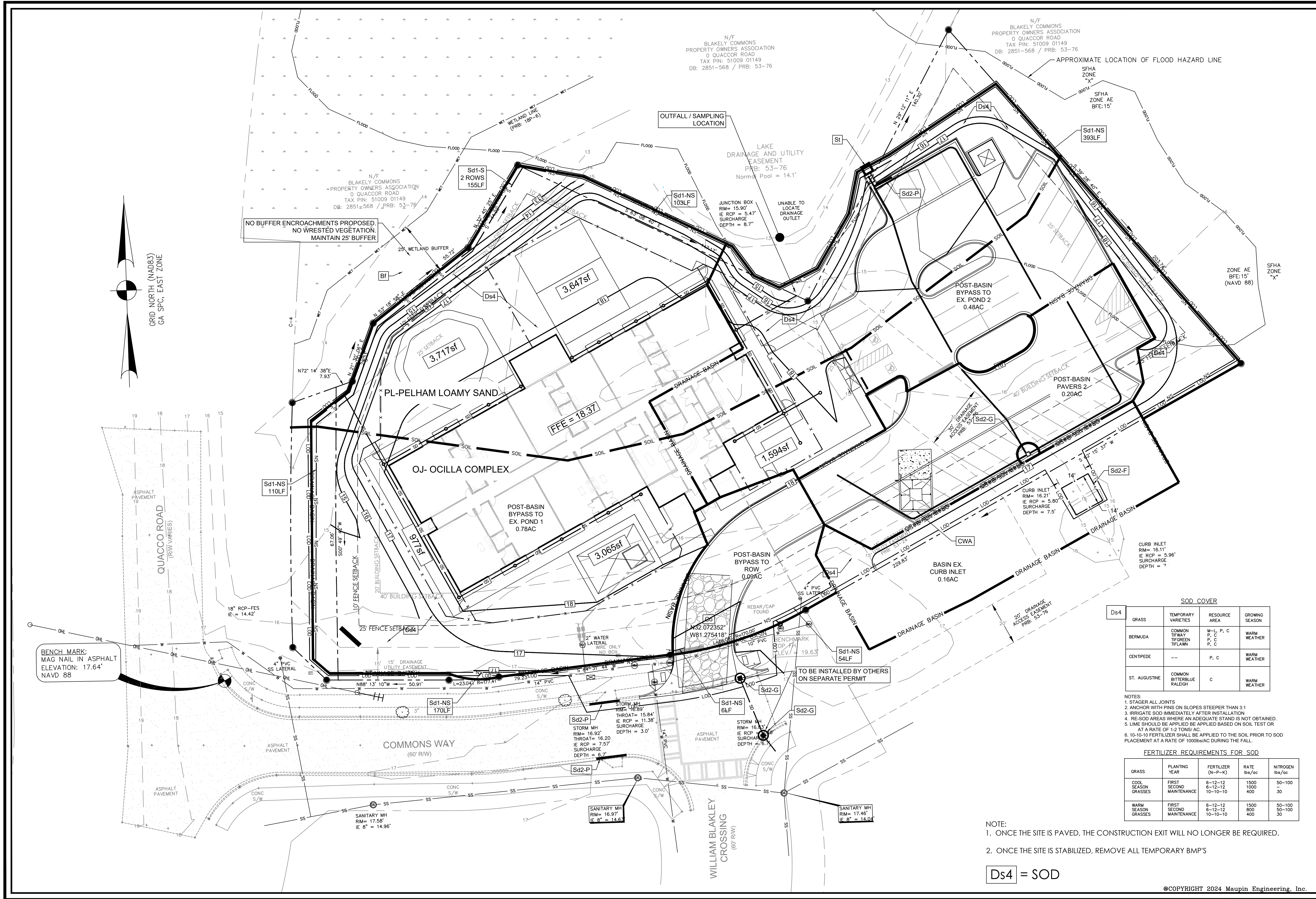
DRWN: JAM 9-24-2025
CHK'D: JAM DATE

10 0 20
SCALE: 1" = 20'

SHEET NO.

C.e2
933-23-01

PROJECT NO.



SOD COVER			
Ds4	GRASS	TEMPORARY VARIETIES	RESOURCE AREA
	BERMUDA	COMMON TIFWAY TIFOREN TIFLAWN	M-L, P, C P, C P, C
	CENTPEDE	---	P, C
	ST. AUGUSTINE	COMMON BITTERBLU BLUE RALEIGH	C

- NOTES:
1. STAGER ALL JOINTS
 2. ANCHOR WITH PINS ON SLOPES STEEPER THAN 3:1
 3. IRRIGATE SOD IMMEDIATELY AFTER INSTALLATION
 4. RE-SOD AREAS WHERE AN ADEQUATE STAND IS NOT OBTAINED.
 5. LIME SHOULD BE APPLIED BASED ON SOIL TEST OR AT A RATE OF 1-2 TONS/AC
 6. 10-10-10 FERTILIZER SHALL BE APPLIED TO THE SOIL PRIOR TO SOD PLACEMENT AT A RATE OF 1000lbs/AC DURING THE FALL.

FERTILIZER REQUIREMENTS FOR SOD				
GRASS	PLANTING YEAR	FERTILIZER (N-P-K)	RATE lbs/ac	NITROGEN lbs/ac
COOL SEASON GRASSES	FIRST SECOND MAINTENANCE	6-12-12 6-12-12 10-10-10	1500 1000 400	50-100 30
WARM SEASON GRASSES	FIRST SECOND MAINTENANCE	6-12-12 6-12-12 10-10-10	1500 800 400	50-100 30

- NOTE:
1. ONCE THE SITE IS PAVED, THE CONSTRUCTION EXIT WILL NO LONGER BE REQUIRED.
 2. ONCE THE SITE IS STABILIZED, REMOVE ALL TEMPORARY BMP'S

Ds4 = SOD

REVISIONS

NO.	DATE	DESCRIPTION
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SEDIMENT AND EROSION
CONTROL PLAN - FINAL

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LEVEL II E&S

CERT.#21051 EXP: 12/01/2027

STATUS:

RELEASED FOR REVIEW

DRWN: JAM 9-24-2025

CHK'D: JAM DATE

SCALE: 1" = 30'

SHEET NO.

933-23-01

PROJECT NO.

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SDP2_Foundations Blakely Commons-09225.dwg

ES&PC
ITEM#

THIS PLAN WAS PREPARED AS REQUIRED BY NPDES GENERAL PERMIT NO. GAR 100001. THESE PLAN SHEETS AND ALL REQUIREMENTS OF THE GENERAL PERMIT AS WELL AS LOCAL, STATE, AND FEDERAL REGULATIONS OR LAWS APPLY REGARDLESS OF SPECIFIC INCLUSION IN THIS PLAN.

OWNER/DEVELOPER (PRIMARY PERMITTEE) WILL OVERSEE SITE CONSTRUCTION LOCATED ON THE PROPERTY SITUATED IN THE UNINCORPORATED CITY OF POOLER. PIN: 51009 01150

THE DESIGNER WAS NOT KNOWLEDGEABLE OF ANY SECONDARY PERMITTEES AT THE TIME OF PRODUCTION OF THE DRAWINGS.

2DESIGN PROFESSIONAL'S CREDENTIALS:
ENGINEER'S NAME (PRINTED):
GEORGIA PE NUMBER:
GSWCC LEVEL II CERTIFICATION NUMBER:
CERTIFICATION NUMBER EXPIRATION DATE:

JAY MAUPIN, PE
23758
21051
12/01/2027

424 HOUR CONTACT
Jerod Mann
864-293-3856

5PRIMARY PERMITEE:
Jerod Mann
601 E. McBee Ave. Ste. 201
Greenville, SC 29601
o:864-293-3856
jmann@sshouse.com

6THE TOTAL PARCEL AREA IS 1.6(±) ACRES. THE DISTURBED AREA IS 1.6(±)ACRES.

7CONSTRUCTION EXIT LOCATION
N: 32.072352°
W: 81.275418°

9THE SITE OF THIS PROJECT IS CURRENTLY A VACANT COMMERCIAL DEVELOPMENT .
THE SITE OF THIS PROJECT IS INTENDED TO BE DEVELOPED AS A CHILDCARE FACILITY.

11NAME OF RECEIVING WATERS
OFF-SITE DETENTION ==> SAVANNAH & OGEECHEE CANAL ==> LITTLE OGEECHEE RIVER
THE FINAL RECEIVING WATERS SUPPORTS WARM WATER FISHERIES. THIS PROJECT DEVELOPMENT WILL NOT HAVE POST-DEVELOPMENT RUN-OFF THAT WILL AFFECT THE NEIGHBORING AREAS.

12I CERTIFY UNDER PENALTY OF LAW THAT THIS PLAN WAS PREPARED AFTER A SITE VISIT TO THE LOCATIONS DESCRIBED HEREIN BY MYSELF OR MY AUTHORIZED AGENT, UNDER MY SUPERVISION.

Jay Maupin10/28/25
Date

13I CERTIFY THAT THE PERMITTEE'S EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN PROVIDES FOR AN APPROPRIATE AND COMPREHENSIVE SYSTEM OF BEST MANAGEMENT PRACTICES REQUIRED BY THE GEORGIA WATER QUALITY CONTROL ACT AND THE DOCUMENT "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" (MANUAL) PUBLISHED BY THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION AS OF JANUARY 1 OF THE YEAR IN WHICH THE LAND-DISTURBING ACTIVITY WAS PERMITTED. PROVIDES FOR THE SAMPLING OF THE RECEIVING WATER(S) OF THE SAMPLING OF THE STORM WATER OUTFALLS AND THAT THE DESIGNED SYSTEM OF BEST MANAGEMENT PRACTICES AND SAMPLING METHODS IS EXPECTED TO MEET THE REQUIREMENTS CONTAINED IN THE GENERAL NPDES PERMIT NO. GAR100001.

Jay Maupin10/28/25
Date

14THE DESIGN PROFESSIONAL WHO PREPARED THE ES&PC PLAN IS TO INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROL BMP'S WITHIN 7 DAYS AFTER INSTALLATION.

15NON-EXEMPT ACTIVITIES SHALL NOT BE CONDUCTED WITHIN THE 25 OR 50-FOOT UNDISTURBED STREAM BUFFERS AS MEASURED FROM THE POINT OF WRESTED VEGETATION OR WITHIN 25-FEET OF THE COASTAL MARSHLAND BUFFER AS MEASURED FROM THE JURISDICTIONAL DETERMINATION LINE WITHOUT FIRST ACQUIRING THE NECESSARY VARIANCES AND PERMITS.

17AMENDMENTS / REVISIONS TO THE ES&PC PLAN WHICH HAVE A SIGNIFICANT EFFECT ON BMP'S WITH A HYDRAULIC COMPONENT MUST BE CERTIFIED BY THE DESIGN PROFESSIONAL.

18WASTE MATERIALS SHALL NOT BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.

19THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO LAND DISTURBING ACTIVITIES.

20EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.

21ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

24CONCRETE TRUCK WASHING - NO CONCRETE TRUCKS WILL BE ALLOWED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE OR DRUM WASH WATER ONSITE. CONCRETE WASHDOWN OF TOOLS, CONCRETE MIXER CHUTES, HOPPERS AND THE REAR OF THE VEHICLES AT THE SITE MUST BE DONE AT THE CONCRETE WASHOUT AREA (CWA) AS SHOWN ON PLANS. WASHOUT OF THE DRUM AT THE CONSTRUCTION SITE IS STRICTLY PROHIBITED.

25PETROLEUM-BASED PRODUCTS - CONTAINERS FOR PRODUCTS SUCH AS FUELS, LUBRICANTS, AND TARS WILL BE INSPECTED DAILY FOR LEAKS AND SPILLS. THIS INCLUDES ONSITE VEHICLE AND MACHINERY DAILY INSPECTIONS AND REGULAR PREVENTATIVE MAINTENANCE OF SUCH EQUIPMENT. EQUIPMENT MAINTENANCE AREAS WILL BE LOCATED AWAY FROM STATE WATER, NATURAL DRAINS, AND STORMWATER DRAINAGE INLETS. IN ADDITION, TEMPORARY FUELING TANKS SHALL HAVE A SECONDARY CONTAINMENT LINER TO PREVENT/MINIMIZE SITE CONTAMINATION. DISCHARGE OF OILS, FUELS, AND LUBRICANTS IS PROHIBITED. PROPER DISPOSAL METHODS WILL INCLUDE COLLECTION IN A SUITABLE CONTAINER AND DISPOSAL AS REQUIRED BY LOCAL AND STATE REGULATIONS. PAINTS/FINISHES/SOLVENTS - ALL PRODUCTS WILL BE STORED IN TIGHTLY SEALED ORIGINAL CONTAINERS WHEN NOT IN USE. EXCESS PRODUCT WILL NOT BE DISCHARGED TO THE STORMWATER COLLECTION SYSTEM. EXCESS PRODUCT, MATERIALS USED WITH THESE PRODUCTS AND PRODUCT CONTAINERS WILL BE DISPOSED OF ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.

FERTILIZER/HERBICIDE - THESE PRODUCTS WILL BE APPLIED AT RATES THAT DO NOT EXCEED THE MANUFACTURER'S SPECIFICATIONS OR ABOVE THE GUIDELINES SET FORTH IN THE CROP ESTABLISHMENT OR IN THE GSWCC MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA. ANY STORAGE OF THESE MATERIALS WILL BE UNDER ROOF IN SEALED CONTAINERS.

BUILDING MATERIALS - NO BUILDING OR CONSTRUCTION MATERIALS WILL BE BURIED OR DISPOSED OF ONSITE. ALL SUCH MATERIALS WILL BE DISPOSED OF IN PROPER WASTE DISPOSAL PROCEDURES.

SPILL CLEANUP AND CONTROL PRACTICES
LOCAL, STATE, AND MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED AND PROCEDURES WILL BE MADE AVAILABLE TO PERSONNEL. MATERIAL AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE MATERIAL STORAGE AREAS. TYPICAL MATERIALS AND EQUIPMENT INCLUDES, BUT IS NOT LIMITED TO, BROOMS, DUSTPANS, MOPS, RAGS, GLOVES, GOGGLES, CAT LITTER, SAND, SAWDUST, AND PROPERLY LABELED PLASTIC AND METAL WASTE CONTAINERS. SPILL PREVENTION PRACTICES AND PROCEDURES WILL BE REVIEWED AFTER A SPILL AND ADJUSTED AS NECESSARY TO PREVENT FUTURE SPILLS. ALL SPILLS WILL BE CLEANED UP IMMEDIATELY UPON DISCOVERY. ALL SPILLS WILL BE REPORTED AS REQUIRED BY LOCAL, STATE, AND FEDERAL REGULATIONS. FOR SPILLS THAT IMPACT SURFACE WATER (LEAVE A SHEEN ON SURFACE WATER), THE NATIONAL RESPONSE CENTER (NRC) WILL BE CONTACTED WITHIN 24 HOURS AT 1-800-424-8802.
FOR SPILLS OF AN UNKNOWN AMOUNT, THE NATIONAL CENTER (NRC) WILL BE CONTACTED WITHIN 24 HOURS AT 1-800-424-8802. FOR SPILLS GREATER THAN 25 GALLONS AND NO SURFACE WATER IMPACTS, THE GEORGIA EPD WILL BE CONTACTED WITHIN 24 HOURS. FOR SPILLS LESS THAN 25 GALLONS AND NO SURFACE WATER IMPACTS, THE SPILL WILL BE CLEANED AND LOCAL AGENCIES CONTACTED AS REQUIRED.
THE CONTRACTOR SHALL NOTIFY THE LICENSED PROFESSIONAL WHO PREPARED WITH PLAN IF MORE THAN 1,320 GALLONS OF PETROLEUM IS STORED ONSITE (THIS INCLUDES CAPACITIES OF EQUIPMENT) OR IF ANY ONE PIECE OF EQUIPMENT HAS A CAPACITY GREATER THAN 660 GALLONS. THE CONTRACTOR WILL NEED A SPILL PREVENTION CONTAINMENT AND COUNTERMEASURES PLAN PREPARED BY THAT LICENSED PROFESSIONAL.

ES&PC
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UPON COMPLETION OF THIS PROJECT, THE CONTRACTOR SHALL REMOVE ALL EROSION CONTROL MEASURES EXCEPT THE PERMANENT GRASSING AND RIP RAP IN AREAS OF HIGH VELOCITY DISCHARGE.

27FOR BUILDING MATERIALS, BUILDING PRODUCTS, CONSTRUCTION WASTES, TRASH, LANDSCAPE MATERIALS, FERTILIZERS, PESTICIDES, HERBICIDES, DETERGENTS, SANITARY WASTE AND OTHER MATERIALS PRESENT ON THE SITE, THE CONTRACTOR SHALL PROVIDE COVER (E.G. PLASTIC SHEETING, TEMPORARY ROOFS) TO MINIMIZE THE EXPOSURE OF THESE PRODUCTS TO PRECIPITATION AND TO STORMWATER, OR A SIMILARLY EFFECTIVE MEANS DESIGNED TO MINIMIZE THE DISCHARGE OF POLLUTANTS FROM THESE AREAS.

28POLLUTANTS FROM THE SITE WILL BE TREATED BY THE THE TEMPORARY SEDIMENT POND AND THE DETENTION POND INSTALLED DURING CONSTRUCTION

30INSPECTIONS
(1). EACH DAY WHEN ANY TYPE OF CONSTRUCTION ACTIVITY HAS TAKEN PLACE AT A PRIMARY PERMITTEE'S SITE, CERTIFIED PERSONNEL PROVIDED BY THE PRIMARY PERMITTEE SHALL INSPECT:
(A) ALL AREAS AT THE PRIMARY PERMITTEE'S SITE WHERE PETROLEUM PRODUCTS ARE STORED, USED, OR HANDLED FOR SPILLS AND LEAKS FROM VEHICLES AND EQUIPMENT AND
(B) ALL LOCATIONS AT THE PRIMARY PERMITTEE'S SITE WHERE VEHICLES ENTER OR EXIT THE SITE FOR EVIDENCE OF OFF-SITE SEDIMENT TRACKING.
THESE INSPECTIONS MUST BE CONDUCTED UNTIL A NOTICE OF TERMINATION IS SUBMITTED.
(2). MEASURE AND RECORD RAINFALL WITHIN DISTURBED AREAS OF THE SITE THAT HAVE NOT MET FINAL STABILIZATION ONCE EVERY 24 HOURS EXCEPT ANY NON-WORKING SATURDAY, NON-WORKING SUNDAY AND NON-WORKING FEDERAL HOLIDAY. THE DATA COLLECTED FOR THE PURPOSE OF COMPLIANCE WITH THIS PERMIT SHALL BE REPRESENTATIVE OF THE MONITORED ACTIVITY. MEASUREMENT OF RAINFALL MAY BE SUSPENDED IF ALL AREAS OF THE SITE HAVE UNDERGONE FINAL STABILIZATION OR ESTABLISHED A CROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET PERENNIALS APPROPRIATE FOR THE REGION.
(3). CERTIFIED PERSONNEL (PROVIDED BY THE PRIMARY PERMITTEE) SHALL INSPECT THE FOLLOWING AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.5 INCHES RAINFALL OR GREATER (UNLESS SUCH STORM ENDS AFTER 5:00 PM ON ANY FRIDAY OR ON ANY NON-WORKING SATURDAY, NON-WORKING SUNDAY OR ANY NON-WORKING FEDERAL HOLIDAY IN WHICH CASE THE INSPECTION SHALL BE COMPLETED BY THE END OF THE NEXT BUSINESS DAY AND/OR WORKING DAY, WHICHEVER OCCURS FIRST):
(A) DISTURBED AREAS OF THE PRIMARY PERMITTEE'S CONSTRUCTION SITE;
(B) AREAS USED BY THE PRIMARY PERMITTEE FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION; AND
(C) STRUCTURAL CONTROL MEASURES, EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN APPLICABLE TO THE PRIMARY PERMITTEE'S SITE SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY.
WHERE DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE, THEY SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATER(S). FOR AREAS OF A SITE THAT HAVE UNDERGONE FINAL STABILIZATION OR ESTABLISHED A CROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET PERENNIALS APPROPRIATE FOR THE REGION, THE PERMITTEE MUST COMPLY WITH PART IV.D.4.A.(4). THESE INSPECTIONS MUST BE CONDUCTED UNTIL A NOTICE OF TERMINATION IS SUBMITTED.
(4). CERTIFIED PERSONNEL (PROVIDED BY THE PRIMARY PERMITTEE) SHALL INSPECT AT LEAST ONCE PER MONTH DURING THE TERM OF THIS PERMIT (I.E., UNTIL A NOTICE OF TERMINATION HAS BEEN SUBMITTED) THE AREAS OF THE SITE THAT HAVE UNDERGONE FINAL STABILIZATION OR ESTABLISHED A CROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET PERENNIALS APPROPRIATE FOR THE REGION. THESE AREAS SHALL BE INSPECTED FOR EVIDENCE OF, OR THE POTENTIAL FOR, POLLUTANTS ENTERING THE DRAINAGE SYSTEM AND THE RECEIVING WATER(S). EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. WHERE DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE, THEY SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATER(S).
(5). BASED ON THE RESULTS OF EACH INSPECTION, THE SITE DESCRIPTION AND THE POLLUTION PREVENTION AND CONTROL MEASURES IDENTIFIED IN THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN, THE PLAN SHALL BE REVISED AS APPROPRIATE NOT LATER THAN SEVEN (7) CALENDAR DAYS FOLLOWING EACH INSPECTION. IMPLEMENTATION OF SUCH CHANGES SHALL BE MADE AS SOON AS PRACTICAL BUT IN NO CASE LATER THAN SEVEN (7) CALENDAR DAYS FOLLOWING EACH INSPECTION.
(6). A REPORT OF EACH INSPECTION THAT INCLUDES THE NAME(S) OF CERTIFIED PERSONNEL MAKING EACH INSPECTION, THE DATE(S) OF EACH INSPECTION, CONSTRUCTION PHASE (I.E., INITIAL, INTERMEDIATE OR FINAL), MAJOR OBSERVATIONS RELATING TO THE IMPLEMENTATION OF THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN, AND ACTIONS TAKEN IN ACCORDANCE WITH PART IV.D.4.A.(5). OF THE PERMIT SHALL BE MADE AND RETAINED AT THE SITE OR BE READILY AVAILABLE AT A DESIGNATED ALTERNATE LOCATION UNTIL THE ENTIRE SITE OR THAT PORTION OF A CONSTRUCTION SITE THAT HAS BEEN PHASED HAS UNDERGONE FINAL STABILIZATION AND A NOTICE OF TERMINATION IS SUBMITTED TO EPD. SUCH REPORTS SHALL BE READILY AVAILABLE BY THE END OF THE SECOND BUSINESS DAY AND/OR WORKING DAY AND SHALL IDENTIFY ALL INCIDENTS OF BEST MANAGEMENT PRACTICES THAT HAVE NOT BEEN PROPERLY INSTALLED AND/OR MAINTAINED AS DESCRIBED IN THE PLAN, WHERE THE REPORT DOES NOT IDENTIFY ANY INCIDENTS, THE INSPECTION REPORT SHALL CONTAIN A CERTIFICATION THAT THE BEST MANAGEMENT PRACTICES ARE IN COMPLIANCE WITH THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN. THE REPORT SHALL BE SIGNED IN ACCORDANCE WITH PART V.G.2. OF THIS PERMIT.

31SAMPLING FREQUENCY.
(1). THE PRIMARY PERMITTEE MUST SAMPLE IN ACCORDANCE WITH THE PLAN AT LEAST ONCE FOR EACH RAINFALL EVENT DESCRIBED BELOW. FOR A QUALIFYING EVENT, THE PERMITTEE SHALL SAMPLE AT THE BEGINNING OF ANY STORMWATER DISCHARGE TO A MONITORED RECEIVING WATER AND/OR FROM A MONITORED OUTFALL LOCATION WITHIN IN FORTY-FIVE (45) MINUTES OR AS SOON AS POSSIBLE.
(2). HOWEVER, WHERE MANUAL AND AUTOMATIC SAMPLING ARE IMPOSSIBLE (AS DEFINED IN THIS PERMIT), OR ARE BEYOND THE PERMITTEE'S CONTROL, THE PERMITTEE SHALL TAKE SAMPLES AS SOON AS POSSIBLE, BUT IN NO CASE MORE THAN TWELVE (12) HOURS AFTER THE BEGINNING OF THE STORMWATER DISCHARGE.
(3). SAMPLING BY THE PERMITTEE SHALL OCCUR FOR THE FOLLOWING QUALIFYING EVENTS:
(A). FOR EACH AREA OF THE SITE THAT DISCHARGES TO A RECEIVING WATER OR FROM AN OUTFALL, THE FIRST RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH WITH A STORMWATER DISCHARGE THAT OCCURS DURING NORMAL BUSINESS HOURS AS DEFINED IN THIS PERMIT AFTER ALL CLEARING AND GRUBBING OPERATIONS HAVE BEEN COMPLETED, BUT PRIOR TO COMPLETION OF MASS GRADING OPERATIONS, IN THE DRAINAGE AREA OF THE LOCATION SELECTED AS THE SAMPLING LOCATION;
(B). IN ADDITION TO (A) ABOVE, FOR EACH AREA OF THE SITE THAT DISCHARGES TO A RECEIVING WATER OR FROM AN OUTFALL, THE FIRST RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH WITH A STORMWATER DISCHARGE THAT OCCURS DURING NORMAL BUSINESS HOURS AS DEFINED IN THIS PERMIT EITHER 90 DAYS AFTER THE FIRST SAMPLING EVENT OR AFTER ALL MASS GRADING OPERATIONS HAVE BEEN COMPLETED, BUT PRIOR TO SUBMITTAL OF A NOT, IN THE DRAINAGE AREA OF THE LOCATION SELECTED AS THE SAMPLING LOCATION, WHICHEVER COMES FIRST;
(C). AT THE TIME OF SAMPLING PERFORMED PURSUANT TO (A) AND (B) ABOVE, IF BMPS IN ANY AREA OF THE SITE THAT DISCHARGES TO A RECEIVING WATER OR FROM AN OUTFALL ARE NOT PROPERLY DESIGNED, INSTALLED AND MAINTAINED, CORRECTIVE ACTION SHALL BE DEFINED AND IMPLEMENTED WITHIN TWO (2) BUSINESS DAYS, AND TURBIDITY SAMPLES SHALL BE TAKEN FROM DISCHARGES FROM THAT AREA OF THE SITE FOR EACH SUBSEQUENT RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH DURING NORMAL BUSINESS HOURS* UNTIL THE SELECTED TURBIDITY STANDARD IS ATTAINED, OR UNTIL POST-STORM EVENT INSPECTIONS DETERMINE THAT BMPS ARE PROPERLY DESIGNED, INSTALLED AND MAINTAINED;
(D). WHERE SAMPLING PURSUANT TO (A), (B) OR (C) ABOVE IS REQUIRED BUT NOT POSSIBLE (OR NOT REQUIRED BECAUSE THERE WAS NO DISCHARGE), THE PERMITTEE, IN ACCORDANCE WITH PART IV.D.4.A.(6), MUST INCLUDE A WRITTEN JUSTIFICATION IN THE INSPECTION REPORT OF WHY SAMPLING WAS NOT PERFORMED, PROVIDING THIS JUSTIFICATION DOES NOT RELIEVE THE PERMITTEE OF ANY SUBSEQUENT SAMPLING OBLIGATIONS UNDER (A), (B) OR (C) ABOVE; AND
(E). EXISTING CONSTRUCTION ACTIVITIES, I.E., THOSE THAT ARE OCCURRING ON OR BEFORE THE EFFECTIVE DATE OF THIS PERMIT, THAT HAVE MET THE SAMPLING REQUIRED BY (A) ABOVE SHALL SAMPLE IN ACCORDANCE WITH (B). THOSE EXISTING CONSTRUCTION ACTIVITIES THAT HAVE MET THE SAMPLING REQUIRED BY (B) ABOVE SHALL NOT BE REQUIRED TO CONDUCT ADDITIONAL SAMPLING OTHER THAN AS REQUIRED BY (C) ABOVE.
*NOTE THAT THE PERMITTEE MAY CHOOSE TO MEET THE REQUIREMENTS OF (A) AND (B) ABOVE BY COLLECTING TURBIDITY SAMPLES FROM ANY RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH AND ALLOWS FOR SAMPLING AT ANY TIME OF THE DAY OR WEEK.

ES&PC
ITEM#

REPORTING.
1. THE APPLICABLE PERMITTEES ARE REQUIRED TO SUBMIT THE SAMPLING RESULTS TO THE EPD AT THE ADDRESS SHOWN IN PART II.C. BY THE FIFTEENTH DAY OF THE MONTH FOLLOWING THE REPORTING PERIOD. REPORTING PERIODS ARE MONTHS DURING WHICH SAMPLES ARE TAKEN IN ACCORDANCE WITH THIS PERMIT. SAMPLING RESULTS SHALL BE IN A CLEARLY LEGIBLE FORMAT. UPON WRITTEN NOTIFICATION, EPD MAY REQUIRE THE APPLICABLE PERMITTEE TO SUBMIT THE SAMPLING RESULTS ON A MORE FREQUENT BASIS. SAMPLING AND ANALYSIS OF ANY STORMWATER DISCHARGE(S) OR THE RECEIVING WATER(S) BEYOND THE MINIMUM FREQUENCY STATED IN THIS PERMIT MUST BE REPORTED IN A SIMILAR MANNER TO THE EPD. THE SAMPLING REPORTS MUST BE SIGNED IN ACCORDANCE WITH PART V.G.2. SAMPLING REPORTS MUST BE SUBMITTED TO EPD USING THE ELECTRONIC SUBMITTAL SERVICE PROVIDED BY EPD. SAMPLING REPORTS MUST BE SUBMITTED TO EPD UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART VI.
2. ALL SAMPLING REPORTS SHALL INCLUDE THE FOLLOWING INFORMATION:
a. THE RAINFALL AMOUNT, DATE, EXACT PLACE AND TIME OF SAMPLING OR MEASUREMENTS;
b. THE NAME(S) OF THE CERTIFIED PERSONNEL WHO PERFORMED THE SAMPLING AND MEASUREMENTS;
c. THE DATE(S) ANALYSES WERE PERFORMED;
d. THE TIME(S) ANALYSES WERE INITIATED;
e. THE NAME(S) OF THE CERTIFIED PERSONNEL WHO PERFORMED THE ANALYSES;
f. REFERENCES AND WRITTEN PROCEDURES, WHEN AVAILABLE, FOR THE ANALYTICAL TECHNIQUES OR METHODS USED;
g. THE RESULTS OF SUCH ANALYSES, INCLUDING THE BENCH SHEETS, INSTRUMENT READOUTS, COMPUTER DISKS OR TAPES, ETC., USED TO DETERMINE THESE RESULTS;
h. RESULTS WHICH EXCEED 1000 NTU SHALL BE REPORTED AS "EXCEEDS 1000 NTU;" AND
i. CERTIFICATION STATEMENT THAT SAMPLING WAS CONDUCTED AS PER THE PLAN.
3. ALL WRITTEN CORRESPONDENCE REQUIRED BY THIS PERMIT SHALL BE SUBMITTED BY RETURN RECEIPT CERTIFIED MAIL (OR SIMILAR SERVICE) TO THE APPROPRIATE DISTRICT OFFICE OF THE EPD ACCORDING TO THE SCHEDULE IN APPENDIX A OF THIS PERMIT. THE PERMITTEE SHALL RETAIN A COPY OF THE PROOF OF SUBMITTAL AT THE CONSTRUCTION SITE OR THE PROOF OF SUBMITTAL SHALL BE READILY AVAILABLE AT A DESIGNATED LOCATION FROM COMMENCEMENT OF CONSTRUCTION UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART VI.
32RETENTION RECORDS
1. THE PRIMARY PERMITTEE SHALL RETAIN THE FOLLOWING RECORDS AT THE CONSTRUCTION SITE OR THE RECORDS SHALL BE READILY AVAILABLE AT A DESIGNATED ALTERNATE LOCATION FROM COMMENCEMENT OF CONSTRUCTION UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART VI:
a. A COPY OF ALL NOTICES OF INTENT SUBMITTED TO EPD;
b. A COPY OF THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN REQUIRED BY THIS PERMIT;
c. THE DESIGN PROFESSIONAL'S REPORT OF THE RESULTS OF THE INSPECTION CONDUCTED IN ACCORDANCE WITH PART IV.A.5. OF THIS PERMIT;
d. A COPY OF ALL SAMPLING INFORMATION, RESULTS, AND REPORTS REQUIRED BY THIS PERMIT;
e. A COPY OF ALL INSPECTION REPORTS GENERATED IN ACCORDANCE WITH PART IV.D.4.A. OF THIS PERMIT;
f. A COPY OF ALL VIOLATION SUMMARIES AND VIOLATION SUMMARY REPORTS GENERATED IN ACCORDANCE WITH PART III.D.2. OF THIS PERMIT; AND
g. DAILY RAINFALL INFORMATION COLLECTED IN ACCORDANCE WITH PART IV.D.4.A.(2). OF THIS PERMIT.
2. COPIES OF ALL NOTICES OF INTENT, NOTICES OF TERMINATION, INSPECTION REPORTS, SAMPLING REPORTS (INCLUDING ALL CALIBRATION AND MAINTENANCE RECORDS AND ALL ORIGINAL STRIP CHART RECORDINGS FOR CONTINUOUS MONITORING INSTRUMENTATION) OR OTHER REPORTS REQUESTED BY THE EPD, EROSION, SEDIMENTATION AND POLLUTION CONTROL PLANS, RECORDS OF ALL DATA USED TO COMPLETE THE NOTICE OF INTENT TO BE COVERED BY THIS PERMIT AND ALL OTHER RECORDS REQUIRED BY THIS PERMIT SHALL BE RETAINED BY THE PERMITTEE WHO EITHER PRODUCED OR USED IT FOR A PERIOD OF AT LEAST THREE YEARS FROM THE DATE THAT THE NOT IS SUBMITTED IN ACCORDANCE WITH PART VI. OF THIS PERMIT. THESE RECORDS MUST BE MAINTAINED AT THE PERMITTEE'S PRIMARY PLACE OF BUSINESS OR AT A DESIGNATED ALTERNATIVE LOCATION ONCE THE CONSTRUCTION ACTIVITY HAS CEASED AT THE PERMITTED SITE. THIS PERIOD MAY BE EXTENDED BY REQUEST OF THE EPD AT ANY TIME UPON WRITTEN NOTIFICATION TO THE PERMITTEE
33SAMPLING REQUIREMENTS SHALL INCLUDE THE FOLLOWING:
(1). A USGS TOPOGRAPHIC MAP, A TOPOGRAPHIC MAP OR A DRAWING (REFERRED TO AS A TOPOGRAPHIC MAP) THAT IS A SCALE EQUAL TO OR MORE DETAILED THAN A 1:24000 MAP SHOWING THE LOCATION OF THE SITE OR THE STAND ALONE CONSTRUCTION; (A) THE LOCATION OF ALL PERENNIAL AND INTERMITTENT STREAMS AND OTHER WATER BODIES AS SHOWN ON A USGS TOPOGRAPHIC MAP, AND ALL OTHER PERENNIAL AND INTERMITTENT STREAMS AND OTHER WATER BODIES LOCATED DURING MANDATORY FIELD VERIFICATION, INTO WHICH THE STORMWATER IS DISCHARGED AND (B) THE RECEIVING WATER AND/OR OUTFALL SAMPLING LOCATIONS. WHEN THE PERMITTEE HAS CHOSEN TO USE A USGS TOPOGRAPHIC MAP AND THE RECEIVING WATER(S) IS NOT SHOWN ON THE USGS TOPOGRAPHIC MAP, THE LOCATION OF THE RECEIVING WATER(S) MUST BE HAND-DRAWN ON THE USGS TOPOGRAPHIC MAP FROM WHERE THE STORMWATER(S) ENTERS THE RECEIVING WATER(S) TO THE POINT WHERE THE RECEIVING WATER(S) COMBINES WITH THE FIRST BLUE LINE STREAM SHOWN ON THE USGS TOPOGRAPHIC MAP;
(2). A WRITTEN NARRATIVE OF SITE SPECIFIC ANALYTICAL METHODS USED TO COLLECT, HANDLE AND ANALYZE THE SAMPLES INCLUDING QUALITY CONTROL/QUALITY ASSURANCE PROCEDURES. THIS NARRATIVE MUST INCLUDE PRECISE SAMPLING METHODOLOGY FOR EACH SAMPLING LOCATION;
(3). WHEN THE PERMITTEE HAS DETERMINED THAT SOME OR ALL OUTFALLS WILL BE SAMPLED, A RATIONALE MUST BE INCLUDED ON THE PLAN FOR THE NTU LIMIT(S) SELECTED FROM APPENDIX B. THIS RATIONALE MUST INCLUDE THE SIZE OF THE CONSTRUCTION SITE, THE CALCULATION OF THE SIZE OF THE SURFACE WATER DRAINAGE AREA, AND THE TYPE OF RECEIVING WATER(S) (I.E., TROUT STREAM OR SUPPORTING WARM WATER FISHERIES); AND
(4). ANY ADDITIONAL INFORMATION EPD DETERMINES NECESSARY TO BE PART OF THE PLAN. EPD WILL PROVIDE WRITTEN NOTICE TO THE PERMITTEE OF THE INFORMATION NECESSARY AND THE TIME LINE FOR SUBMITTAL SAMPLE TYPE.
ALL SAMPLING SHALL BE COLLECTED BY "GRAB SAMPLES" AND THE ANALYSIS OF THESE SAMPLES MUST BE CONDUCTED IN ACCORDANCE WITH METHODOLOGY AND TEST PROCEDURES ESTABLISHED BY 40 CFR PART 136 (UNLESS OTHER TEST PROCEDURES HAVE BEEN APPROVED); THE GUIDANCE DOCUMENT TITLED "NPDES STORM WATER SAMPLING GUIDANCE DOCUMENT, EPA 833-B-92-001" AND GUIDANCE DOCUMENTS THAT MAY BE PREPARED BY THE EPD.
(1). SAMPLE CONTAINERS SHOULD BE LABELED PRIOR TO COLLECTING THE SAMPLES.
(2). SAMPLES SHOULD BE WELL MIXED BEFORE TRANSFERRING TO A SECONDARY CONTAINER.
(3). LARGE MOUTH, WELL CLEANED AND RINSED GLASS OR PLASTIC JARS SHOULD BE USED FOR COLLECTING SAMPLES. THE JARS SHOULD BE CLEANED THOROUGHLY TO AVOID CONTAMINATION.
(4). MANUAL, AUTOMATIC OR RISING STAGE SAMPLING MAY BE UTILIZED. SAMPLES REQUIRED BY THIS PERMIT SHOULD BE ANALYZED IMMEDIATELY, BUT IN NO CASE LATER THAN 48 HOURS AFTER COLLECTION. HOWEVER, SAMPLES FROM AUTOMATIC SAMPLERS MUST BE COLLECTED NO LATER THAN THE NEXT BUSINESS DAY AFTER THEIR ACCUMULATION, UNLESS FLOW THROUGH AUTOMATED ANALYSIS IS UTILIZED. IF AUTOMATIC SAMPLING IS UTILIZED AND THE AUTOMATIC SAMPLER IS NOT ACTIVATED DURING THE QUALIFYING EVENT, THE PERMITTEE MUST UTILIZE MANUAL SAMPLING OR RISING STAGE SAMPLING DURING THE NEXT QUALIFYING EVENT. DILUTION OF SAMPLES IS NOT REQUIRED. SAMPLES MAY BE ANALYZED DIRECTLY WITH A PROPERLY CALIBRATED TURBIDIMETER. SAMPLES ARE NOT REQUIRED TO BE COOLED.
(5). SAMPLING AND ANALYSIS OF THE RECEIVING WATER(S) OR OUTFALLS BEYOND THE MINIMUM FREQUENCY STATED IN THIS PERMIT MUST BE REPORTED TO EPD AS SPECIFIED IN PART IV.E.

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SAMPLING POINTS.
(1). FOR CONSTRUCTION ACTIVITIES THE PRIMARY PERMITTEE MUST SAMPLE ALL RECEIVING WATER(S), OR ALL OUTFALL(S), OR A COMBINATION OF RECEIVING WATER(S) AND OUTFALL(S). SAMPLES TAKEN FOR THE PURPOSE OF COMPLIANCE WITH THIS PERMIT SHALL BE REPRESENTATIVE OF THE MONITORED ACTIVITY AND REPRESENTATIVE OF THE WATER QUALITY OF THE RECEIVING WATER(S) AND/OR THE STORMWATER OUTFALLS USING THE FOLLOWING MINIMUM GUIDELINES:
(A). THE UPSTREAM SAMPLE FOR EACH RECEIVING WATER(S) MUST BE TAKEN IMMEDIATELY UPSTREAM OF THE CONFLUENCE OF THE FIRST STORMWATER DISCHARGE FROM THE PERMITTED ACTIVITY (I.E., THE DISCHARGE FARTHEST UPSTREAM AT THE SITE) BUT UPSTREAM OF ANY OTHER STORMWATER DISCHARGES NOT ASSOCIATED WITH THE PERMITTED ACTIVITY, WHERE APPROPRIATE. SEVERAL UPSTREAM SAMPLES FROM ACROSS THE RECEIVING WATER(S) MAY NEED TO BE TAKEN AND THE ARITHMETIC AVERAGE OF THE TURBIDITY OF THESE SAMPLES USED FOR THE UPSTREAM TURBIDITY VALUE.
(B). THE DOWNSTREAM SAMPLE FOR EACH RECEIVING WATER(S) MUST BE TAKEN DOWNSTREAM OF THE CONFLUENCE OF THE LAST STORMWATER DISCHARGE FROM THE PERMITTED ACTIVITY (I.E., THE DISCHARGE FARTHEST DOWNSTREAM AT THE SITE) BUT UPSTREAM OF ANY OTHER STORMWATER DISCHARGE NOT ASSOCIATED WITH THE PERMITTED ACTIVITY, WHERE APPROPRIATE. SEVERAL DOWNSTREAM SAMPLES FROM ACROSS THE RECEIVING WATER(S) MAY NEED TO BE TAKEN AND THE ARITHMETIC AVERAGE OF THE TURBIDITY OF THESE SAMPLES USED FOR THE DOWNSTREAM TURBIDITY VALUE.
(C). IDEALLY THE SAMPLES SHOULD BE TAKEN FROM THE HORIZONTAL AND VERTICAL CENTER OF THE RECEIVING WATER(S) OR THE STORMWATER OUTFALL CHANNEL(S).
(D). CARE SHOULD BE TAKEN TO AVOID STIRRING THE BOTTOM SEDIMENTS IN THE RECEIVING WATER(S) OR IN THE OUTFALL STORMWATER CHANNEL.
(E). THE SAMPLING CONTAINER SHOULD BE HELD SO THAT THE OPENING FACES UPSTREAM.
(F). THE SAMPLES SHOULD BE KEPT FREE FROM FLOATING DEBRIS.
(G). PERMITTEES DO NOT HAVE TO SAMPLE SHEET FLOW THAT FLOWS ONTO UNDISTURBED NATURAL AREAS OR AREAS STABILIZED BY THE PROJECT. FOR PURPOSES OF THIS SECTION, STABILIZED SHALL MEAN, FOR UNPAVED AREAS AND AREAS NOT COVERED BY PERMANENT STRUCTURES AND AREAS LOCATED OUTSIDE THE WASTE DISPOSAL LIMITS OF A LANDFILL CELL THAT HAS BEEN CERTIFIED BY EPD FOR WASTE DISPOSAL, 100% OF THE SOIL SURFACE IS UNIFORMLY COVERED IN PERMANENT VEGETATION WITH A DENSITY OF 70% OR GREATER, OR LANDSCAPED ACCORDING TO THE PLAN (UNIFORMLY COVERED WITH LANDSCAPING MATERIALS IN PLANNED LANDSCAPED AREAS), OR EQUIVALENT PERMANENT STABILIZATION MEASURES AS DEFINED IN THE MANUAL (EXCLUDING A CROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET CROP PERENNIALS APPROPRIATE FOR THE REGION).
(H). ALL SAMPLING PURSUANT TO THIS PERMIT MUST BE DONE IN SUCH A WAY (INCLUDING GENERALLY ACCEPTED SAMPLING METHODS, LOCATIONS, TIMING, AND FREQUENCY) AS TO ACCURATELY REFLECT WHETHER STORMWATER RUNOFF FROM THE CONSTRUCTION SITE IS IN COMPLIANCE WITH THE STANDARD SET FORTH IN PARTS III.D.3 OR III.D.4., WHICHEVER IS APPLICABLE.

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34SAMPLE ANALYSIS
STORMWATER SAMPLES ARE TO BE ANALYZED IN ACCORDANCE WITH METHODOLOGY AND TEST PROCEDURES ESTABLISHED BY 40 CFR PART 136 AND THE GUIDANCE DOCUMENT TITLED "NPDES STORMWATER SAMPLING GUIDANCE DOCUMENT, EPA 833-B-92-001."
STORMWATER IS TO BE SAMPLED FOR NEPHELOMETRIC TURBIDITY UNITS (NTU) AT THE OUTFALL LOCATION. A DISCHARGE OF STORMWATER RUNOFF FROM DISTURBED AREAS WHERE BEST MANAGEMENT PRACTICES HAVE NOT BEEN PROPERLY DESIGNED, INSTALLED, AND MAINTAINED SHALL CONSTITUTE A SEPARATE VIOLATION FOR EACH DAY ON WHICH SUCH CONDITION RESULTS IN THE TURBIDITY OF THE DISCHARGE EXCEEDING 75, THE VALUE THAT WAS SELECTED FROM APPENDIX B IN PERMIT NO. GAR 100001. THE NTU IS BASED UPON THE SITE ACREAGE OF 1.6 ACRES FOR THE PROJECT SITE, THE SURFACE WATER DRAINAGE AREA OF 0.002 SQUARE MILES, AND RECEIVING WATER WHICH SUPPORTS WARM WATER FISHERIES.
45RUNOFF COEFFICIENT
• WEIGHTED PRE-CONSTRUCTION CN CURVE NUMBER: 92
• WEIGHTED POST-CONSTRUCTION CN CURVE NUMBER: 89
25-YEAR EVENT RUNOFF ESTIMATE: 8.56 CFS
25-YEAR EVENT RUNOFF ESTIMATE: 7.96 CFS

ES&PC
ITEM#

49SEDIMENT STORAGE CALCULATIONS:

BASIN NUMBER	DISTURBED AREA A	REQUIRED STORAGE VOLUME SVR, (A*67cy)	STORAGE METHOD	PROVIDED STORAGE VOLUME SVA	REQUIREMENT MET? YES/NO
PRE-1	1.63	109.2 CY	Sd4-C	247	YES
EX.CURB-INLET	0.16	10.7 CY	SD2-F	10.90	YES
POST-PAVERS 2	0.20	13.4 CY	SD2-F	14.22	YES
POST-PAVERS 1	0.78	52.3 CY	SD1-NS	53.80	YES
POST-3 TO POND	0.48	32.2 CY	SD1-NS	39.30	YES
POST-4 TO ROW	0.09	6 CY	SD1-NS	6.00	YES

ES&PC
ITEM#

29CONSTRUCTION START DATE: 12/2/2024
CONSTRUCTION END DATE: 12/1/2025

	MONTH 1	MONTH 2	MONTH 3	MONTH 4	MONTH 5	MONTH 6	MONTH 7	MONTH 8	MONTH 9	MONTH 10	MONTH 11
CONSTRUCTION EXIT											
SILT FENCING AND OTHER E&SC PRACTICES											
CLEARING AND GRUBBING											
GRADING / UTILITY INSTALLATION											
DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)	DS2										
FINE GRADING AND PAVING											
BUILDING CONSTRUCTION											
DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION)	DS3										
LANDSCAPE INSTALLATION											
MAINTAIN ES & PC BMPs											

REVISIONS
NO. DATE DESCRIPTION

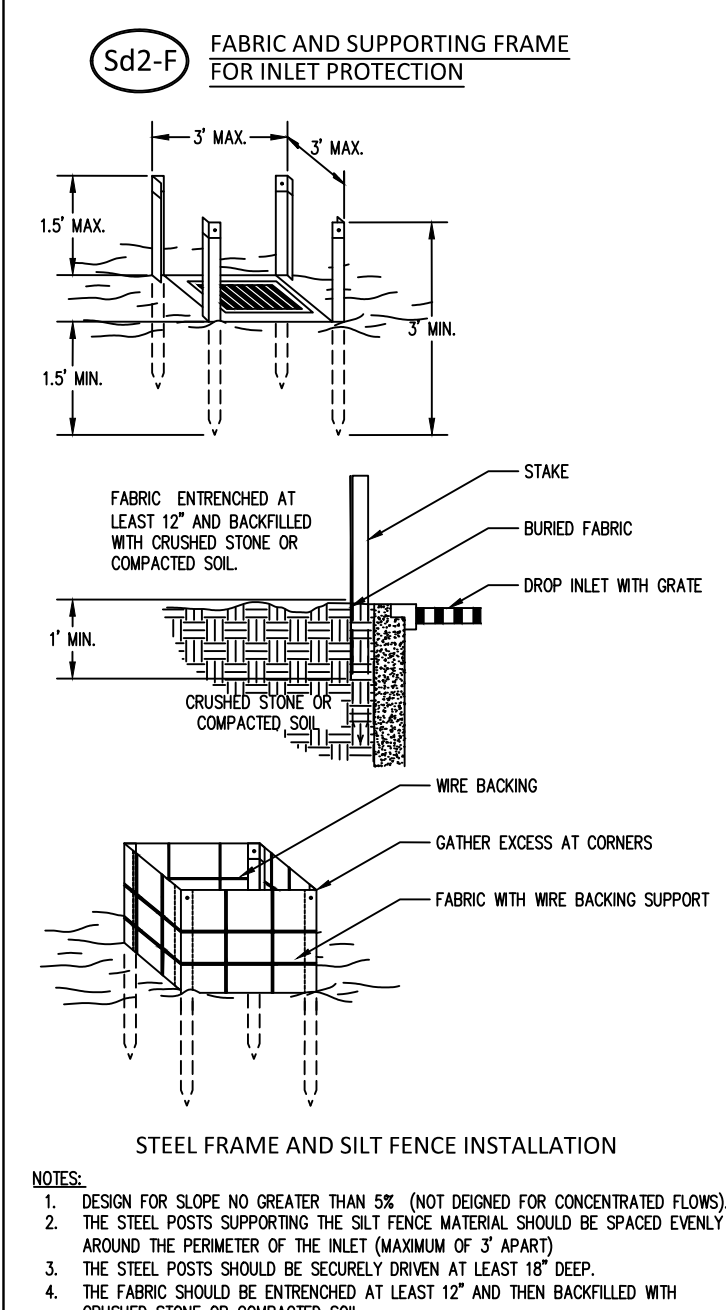
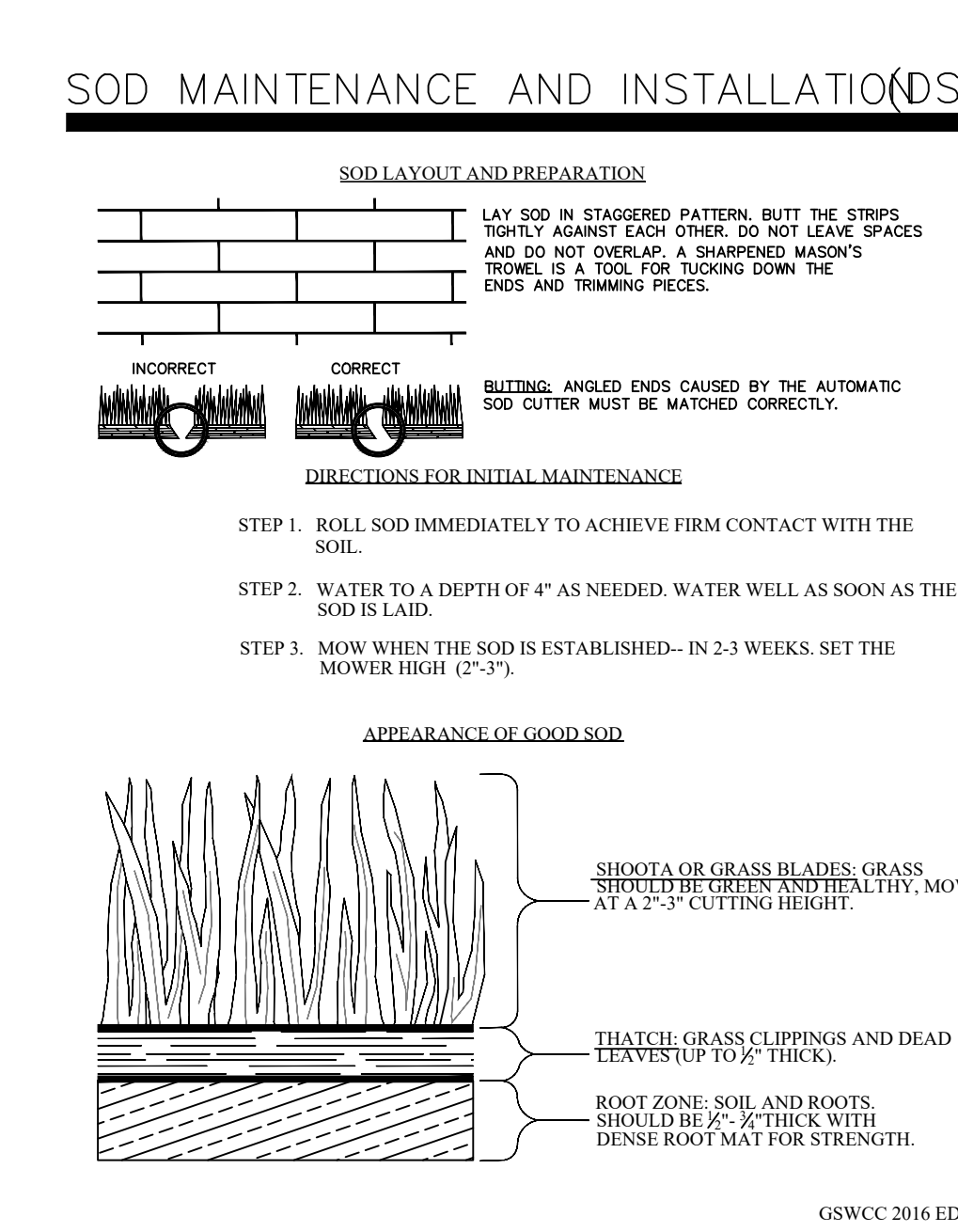
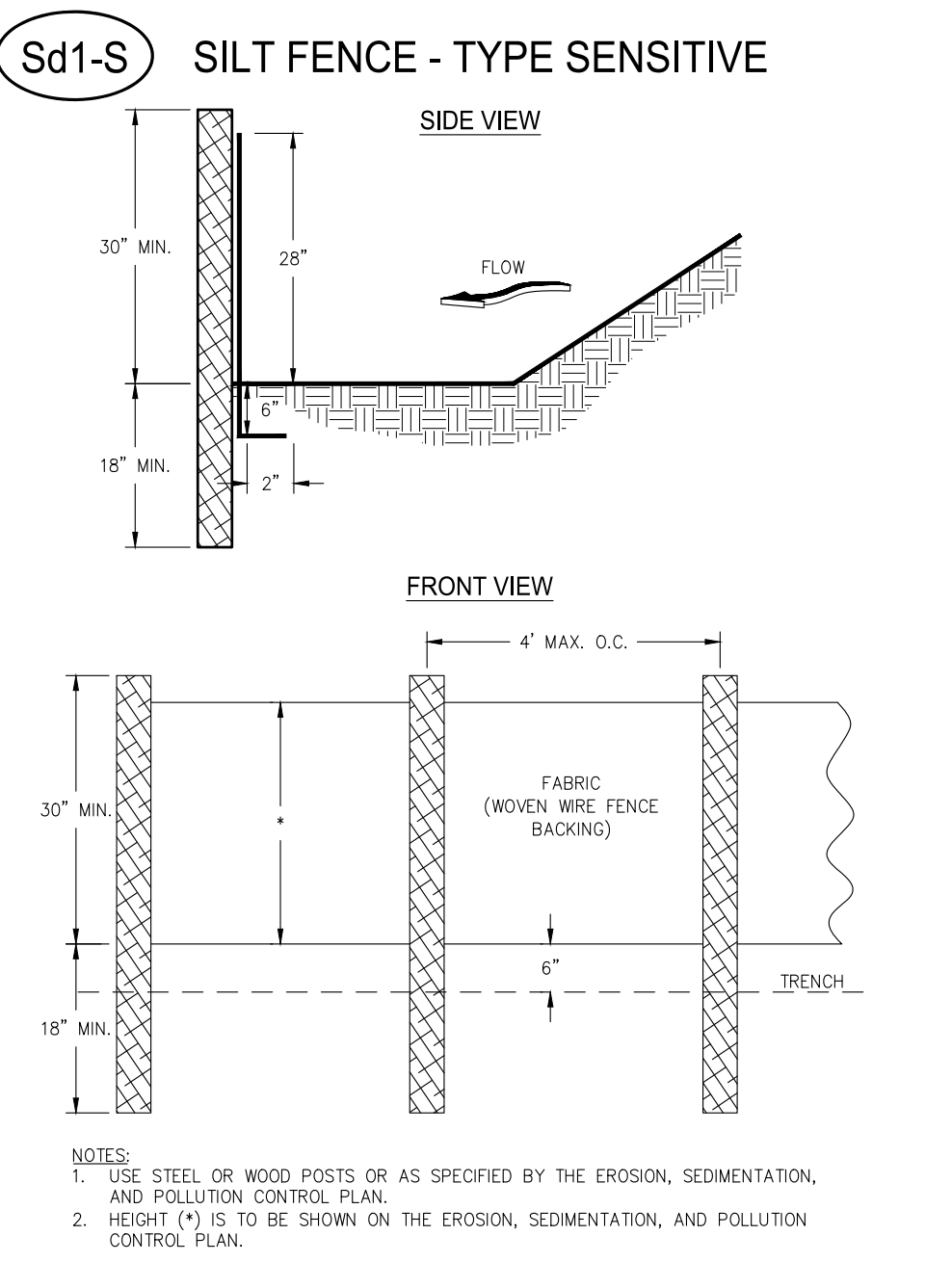
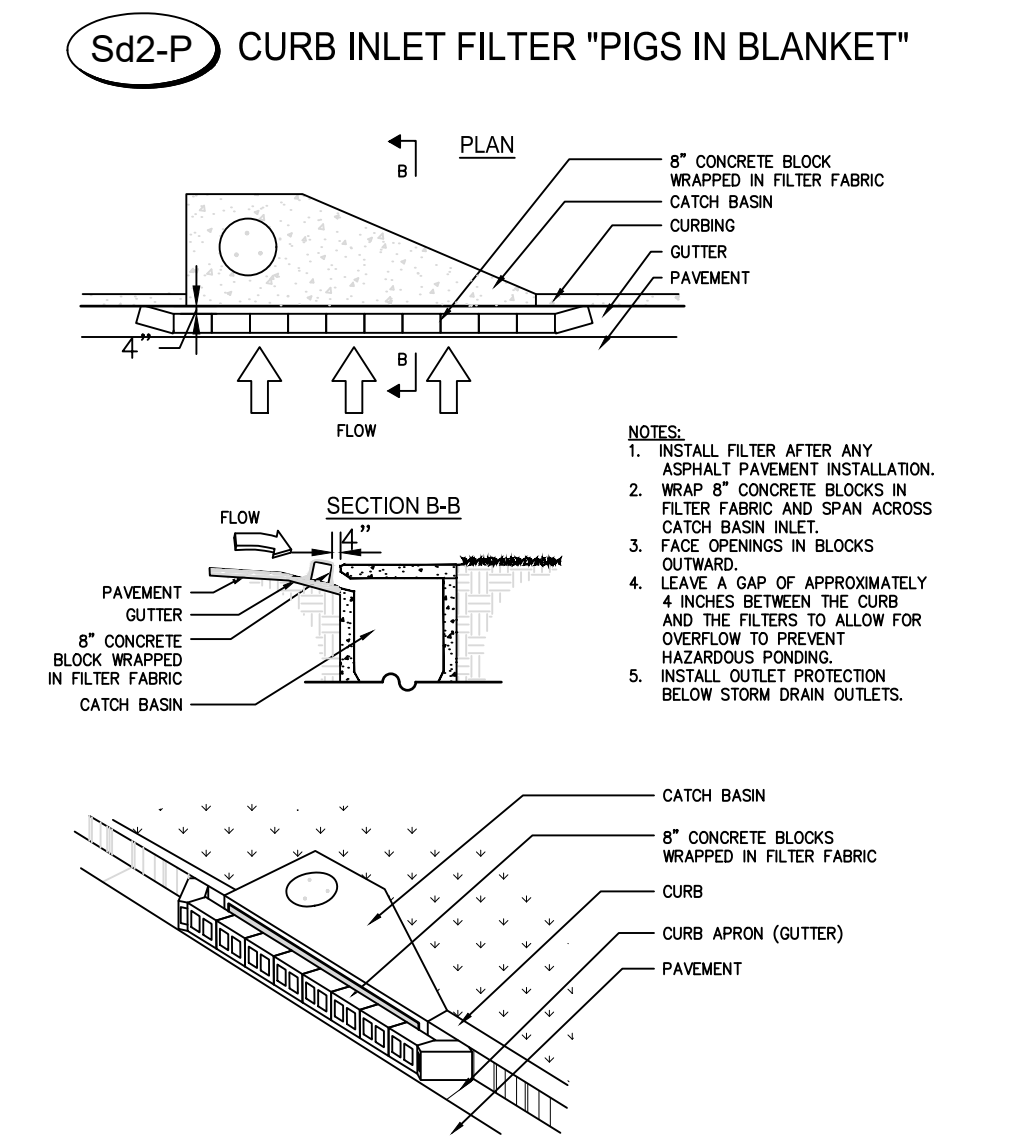
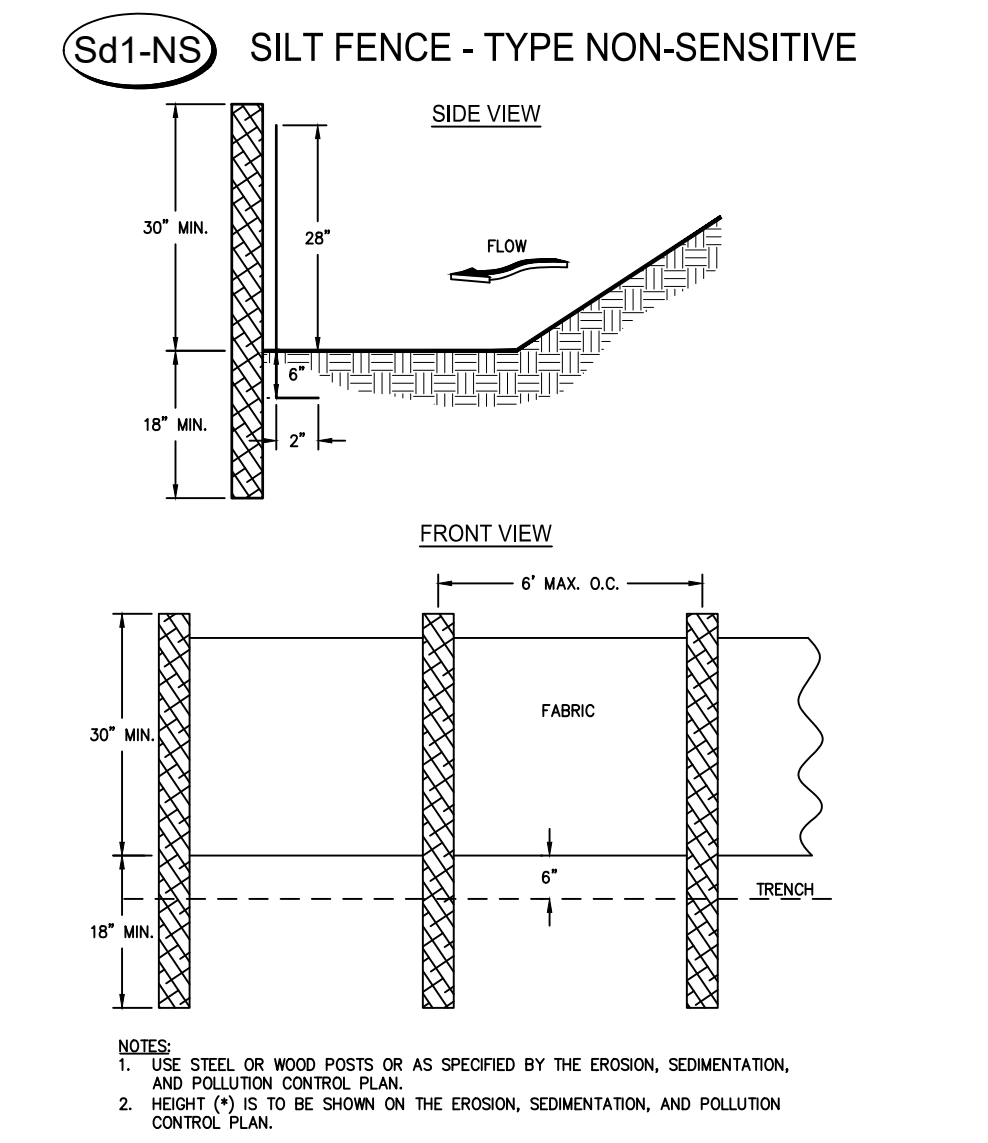
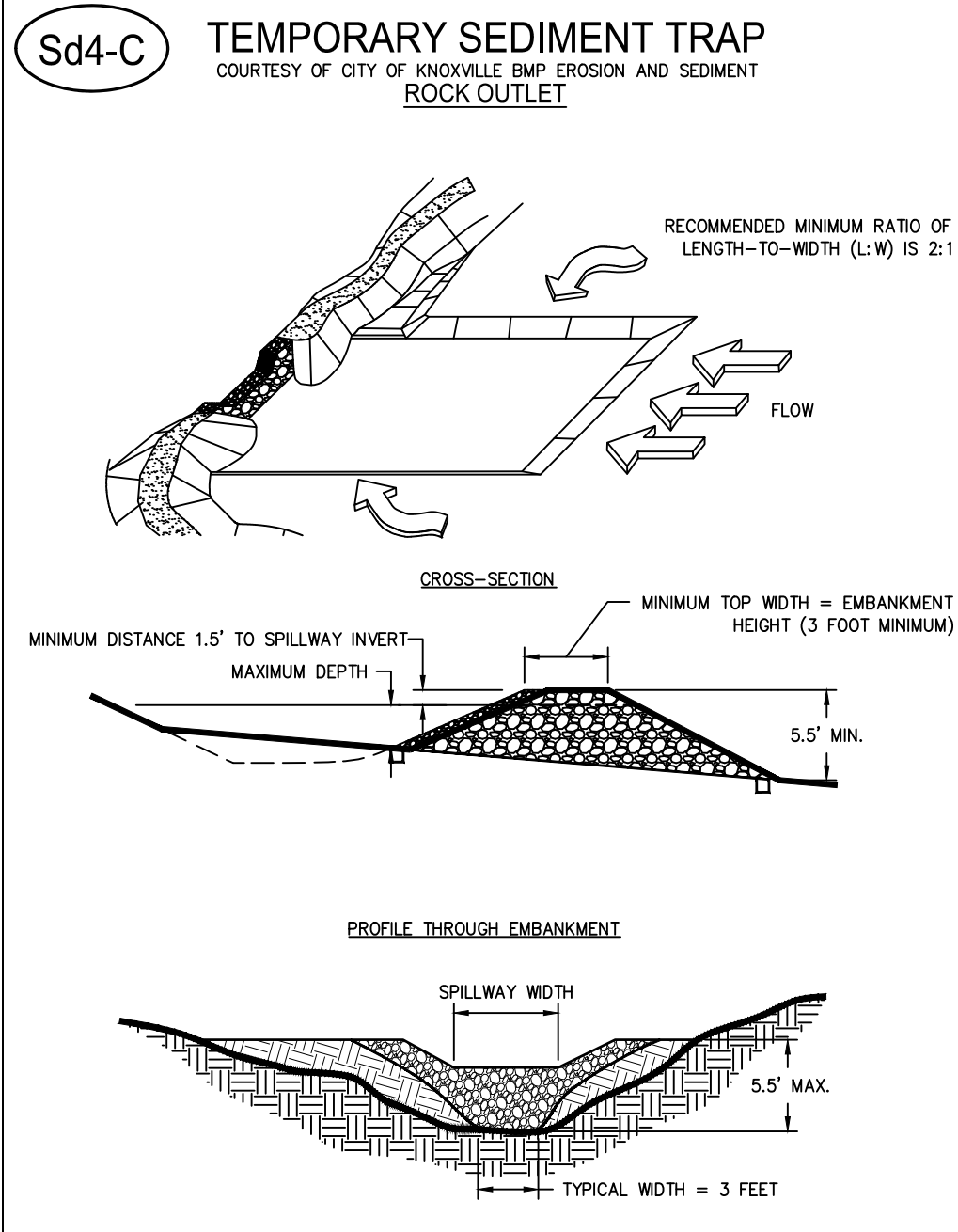
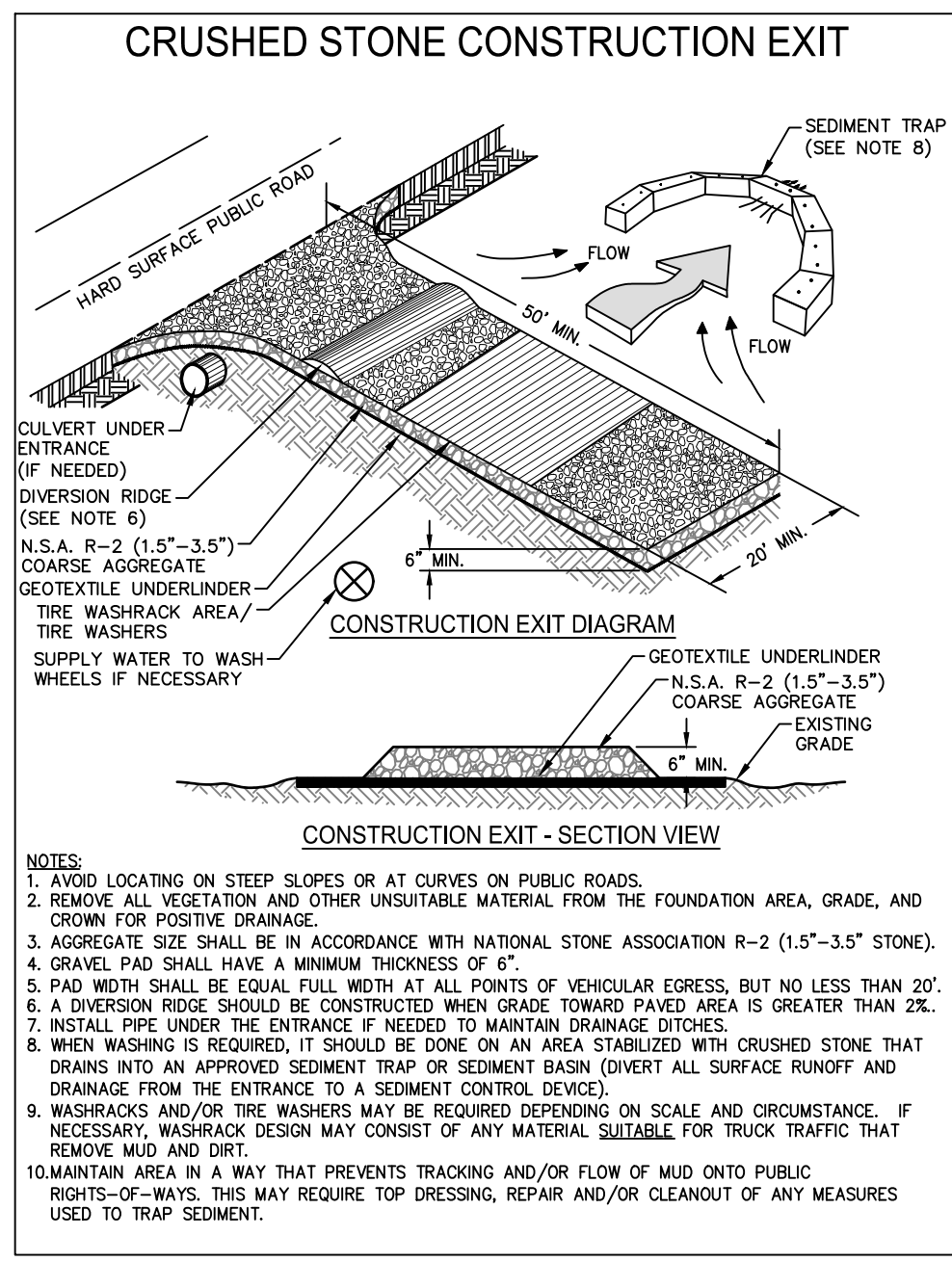
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LEVEL II E&S
REGISTERED
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CERT.#21051 EXP: 12/01/2027
STATUS:
RELEASED FOR REVIEW
DRWN: JAM 9-24-2025
CHK'D: JAM DATE
SHEET NO.
C.d1
933-23-01
PROJECT NO.

EROSION CONTROL
GENERAL NOTES
FELC 247 - Foundations at Blakely Commons



UNIFORM CODING SYSTEM

FOR SOIL EROSION AND SEDIMENT CONTROL PRACTICES

GEORGIA SOIL AND WATER CONSERVATION COMMISSION

STRUCTURAL PRACTICES

CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
Cd	CHECKDAM			A small temporary barrier or dam constructed across a swale, drainage ditch or area of concentrated flow.
Ch	CHANNEL STABILIZATION			Improving, constructing or stabilizing an open channel, existing stream, or ditch.
Co	CONSTRUCTION EXIT			A crushed stone pad located at the construction site exit to provide a place for removing mud from tires thereby protecting public streets.
Cr	CONSTRUCTION ROAD STABILIZATION			A travelway constructed as part of a construction plan including access roads, subdivision roads, parking areas and other on-site vehicle transportation routes.
Dc	STREAM DIVERSION CHANNEL			A temporary channel constructed to convey flow around a construction site while a permanent structure is being constructed.
Di	DIVERSION			An earth channel or dike located above, below or across a slope to divert runoff. This may be a temporary or permanent structure.
Dn1	TEMPORARY DOWNDRAIN STRUCTURE			A flexible conduit of heavy-duty fabric or other material designed to safely conduct surface runoff down a slope. This is temporary and inexpensive.
Dn2	PERMANENT DOWNDRAIN STRUCTURE			A paved chute, pipe, sectional conduit or similar material designed to safely conduct surface runoff down a slope.
Fr	FILTER RING			A temporary stone barrier constructed at storm drain inlets and pond outlets.
Ga	GABION			Rock filter baskets which are hand-placed into position forming soil stabilizing structures.
Gr	GRADE STABILIZATION STRUCTURE			Permanent structures installed to protect channels or waterways where otherwise the slope would be sufficient for the running water to form gullies.
Lv	LEVEL SPREADER			A structure to convert concentrated flow of water into less erosive sheet flow. This should be constructed only on undisturbed soils.
Rd	ROCK FILTER DAM			A permanent or temporary stone filter dam installed across small streams or drainageways.
Re	RETAINING WALL			A wall installed to stabilize cut and fill slopes where maximum permissible slopes are not obtainable. Each situation will require special design.
Rt	RETRO FITTING			A device or structure placed in front of a permanent stormwater detention pond outlet structure to serve as a temporary sediment filter.
Sd1	SEDIMENT BARRIER			A barrier to prevent sediment from leaving the construction site. It may be sandbags, bales of straw or hay, brush, logs and poles, gravel, or a silt fence.
Sd2	INLET SEDIMENT TRAP			An impounding area created by excavating around a storm drain drop inlet. The excavated area will be filled and stabilized on completion of construction activities.
Sd3	TEMPORARY SEDIMENT BASIN			A basin created by excavation or a dam across a waterway. The surface water runoff is temporarily stored allowing the bulk of the sediment to drop out.
Sd4	TEMPORARY SEDIMENT TRAP			A small temporary pond that drains a disturbed area so that sediment can settle out. The principle feature distinguishing a temporary sediment trap from a temporary sediment basin is the lack of a pipe or riser.
Sk	FLOATING SURFACE SKIMMER			A buoyant device that releases/drains water from the surface of sediment ponds, traps, or basins at a controlled rate of flow.
Spb	SEEP BERM			Linear control device constructed as a diversion perpendicular to the direction of runoff to enhance dissipation and infiltration, while creating multiple sedimentation chambers with the employment of intermediate dikes.

STRUCTURAL PRACTICES

CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
Sr	TEMPORARY STREAM CROSSING			A temporary bridge or culvert-type structure protecting a stream or watercourse from damage by crossing construction equipment.
St	STORMDRAIN OUTLET PROTECTION			A paved or short section of riprap channel at the outlet of a storm drain system preventing erosion from the concentrated runoff.
Su	SURFACE ROUGHENING			A rough soil surface with horizontal depressions on a contour or slopes left in a roughened condition after grading.
Tc	TURBIDITY CURTAIN			A floating or staked barrier installed within the water (it may also be referred to as a floating boom, silt barrier, or silt curtain).
Tp	TOPSOILING			The practice of stripping off the more fertile soil, storing it, then spreading it over the disturbed area after completion of construction activities.
Tr	TREE PROTECTION			To protect desirable trees from injury during construction activity.
Wt	VEGETATED WATERWAY OR STORMWATER CONVEYANCE CHANNEL			Paved or vegetative water outlets for diversions, terraces, berms, dikes or similar structures.

VEGETATIVE PRACTICES

CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
Bf	BUFFER ZONE			Strip of undisturbed original vegetation, enhanced or restored existing vegetation or the reestablishment of vegetation surrounding an area of disturbance or bordering streams.
Cs	COASTAL DUNE STABILIZATION (WITH VEGETATION)			Planting vegetation on dunes that are denuded, artificially constructed, or re-nourished.
Ds1	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)			Establishing temporary protection for disturbed areas where seedlings may not have a suitable growing season to produce an erosion retarding cover.
Ds2	DISTURBED AREA STABILIZATION (WITH TEMP SEEDING)			Establishing a temporary vegetative cover with fast growing seedlings on disturbed areas.
Ds3	DISTURBED AREA STABILIZATION (WITH PERM SEEDING)			Establishing a permanent vegetative cover such as trees, shrubs, vines, grasses, or legumes on disturbed areas.
Ds4	DISTURBED AREA STABILIZATION (SODDING)			A permanent vegetative cover using sods on highly erodible or critically eroded lands.
Du	DUST CONTROL ON DISTURBED AREAS			Controlling surface and air movement of dust on construction site, roadways and similar sites.
Fl-Co	FLOCCULANTS AND COAGULANTS			Substance formulated to assist in the solids/liquid separation of suspended particles in solution.
Sb	STREAMBANK STABILIZATION (USING PERM VEGETATION)			The use of readily available native plant materials to maintain and enhance streambanks, or to prevent, or restore and repair small streambank erosion problems.
Ss	SLOPE STABILIZATION			A protective covering used to prevent erosion and establish temporary or permanent vegetation on steep slopes, shore lines, or channels.
Tac	TACKIFIERS AND BINDERS			Substance used to anchor straw or hay mulch by causing the organic material to bind together.

REVISIONS	DATE	DESCRIPTION
NO.		

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EROSION CONTROL DETAILS

FELC 247 - Foundations at Blakely Commons

LEVEL II EAS

GEORGIA
REGISTERED
PROFESSIONAL ENGINEER
No. 23708
DR. A. MAUPIN

CERT.#21051 EXP:12/01/2027

STATUS:

RELEASED FOR REVIEW

DRWN: JAM 9-24-2025
CHK'D: JAM DATE

NOT TO SCALE

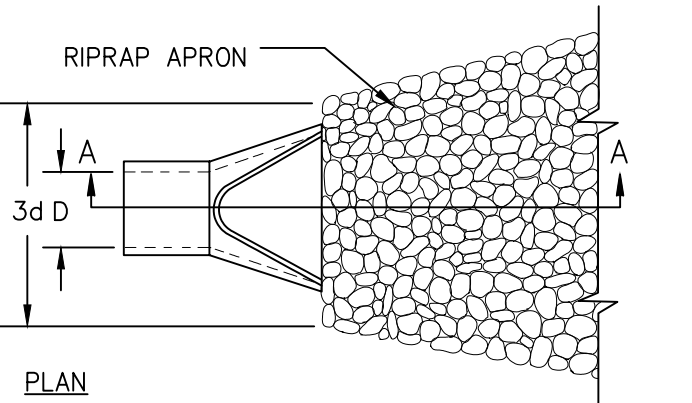
SHEET NO.

C.d2
933-23-01

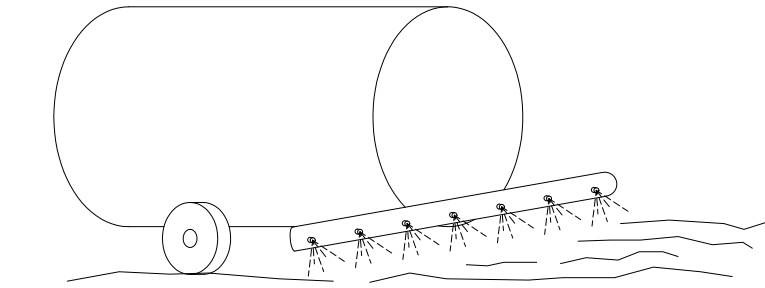
PROJECT NO.

St RIPRAP OUTLET PROTECTION

PIPE OUTLET TO FLAT AREA – NO WELL DEFINED CHANNEL



- NOTES:
1. L_a IS THE LENGTH OF THE RIPRAP APRON.
 2. $D = 1.5$ TIMES THE MAXIMUM STONE DIAMETER BUT NOT LESS THAN 6".
 3. IN A WELL-DEFINED CHANNEL, EXTEND THE APRON UP THE CHANNEL BANKS TO AN ELEVATION OF 6" ABOVE THE MAXIMUM TAILWATER DEPTH OR TO THE TOP OF THE BANK (WHICHEVER IS LESS).
 4. A FILTER BLANKET OR FILTER FABRIC SHOULD BE INSTALLED BETWEEN THE RIPRAP AND THE SOIL FOUNDATION.



CONTRACTOR SHALL EMPLOY THE FOLLOWING TEMPORARY METHODS TO LIMIT THE SURFACE AND AIR MOVEMENT OF DUST FROM EXPOSED SOIL SURFACES:

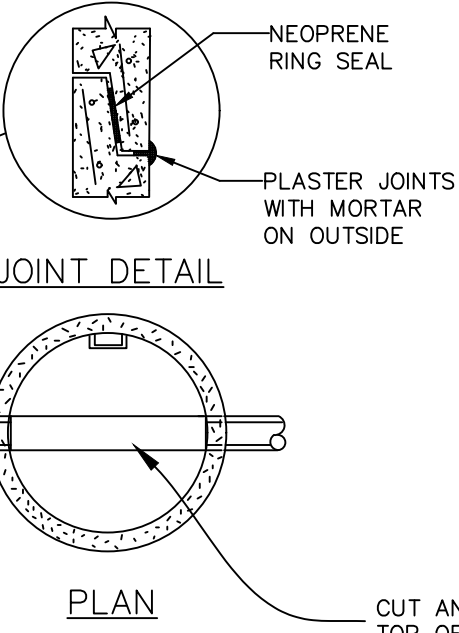
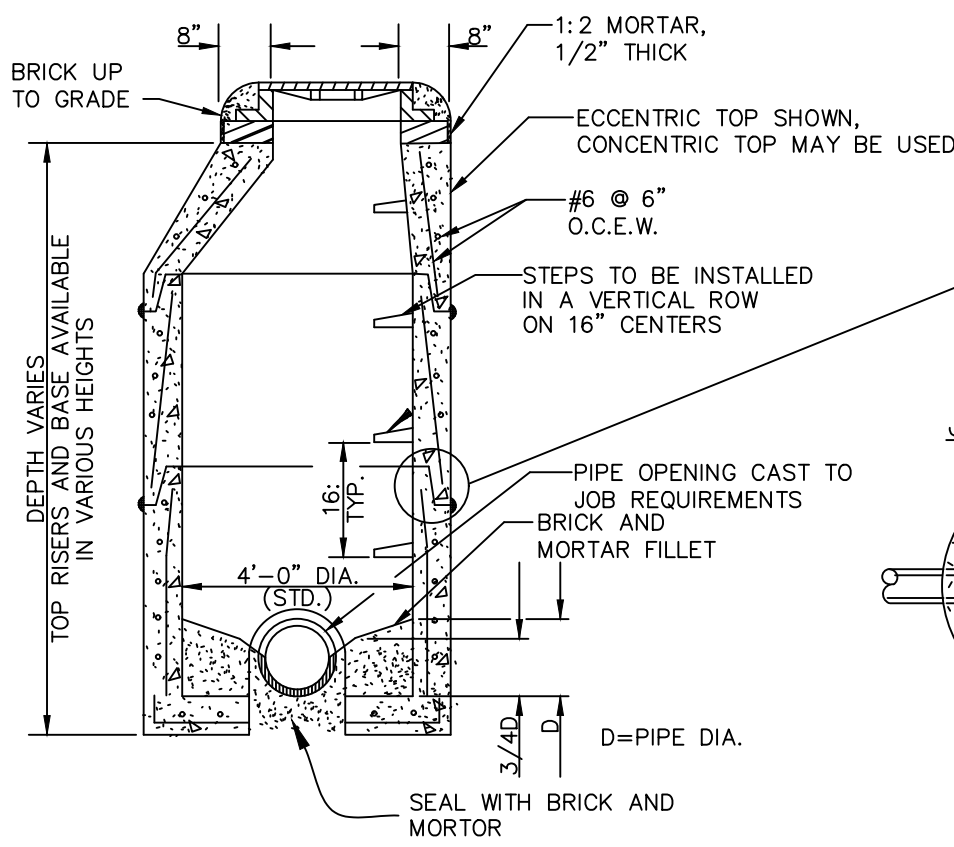
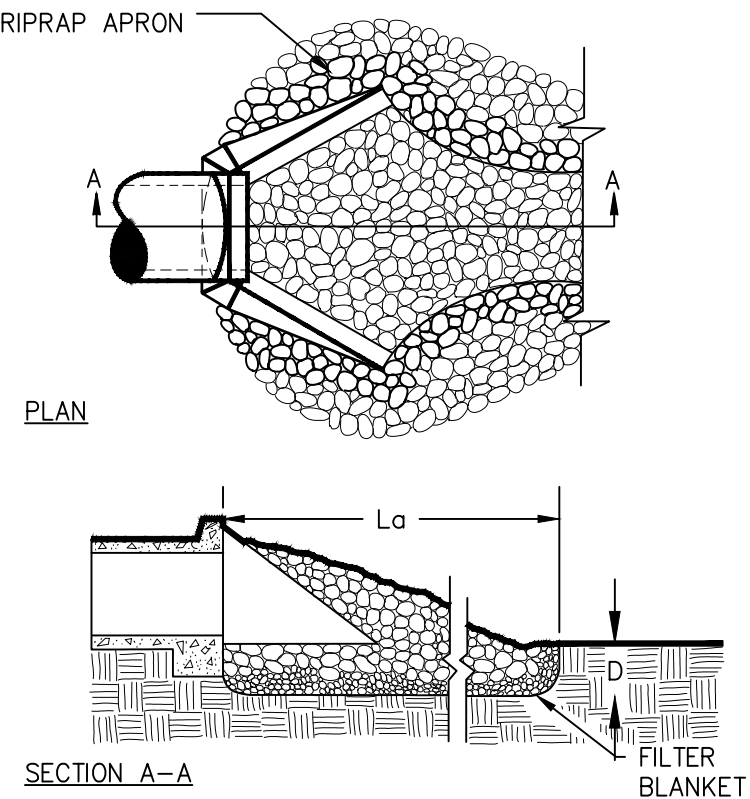
- *TEMPORARY METHODS:
- MULCHES
 - VEGETATIVE COVER
 - SPRAY ON ADHESIVES
 - TILLING
 - IRRIGATION
 - BARRIERS
 - CALCIUM CHLORIDE

- *PERMANENT METHODS
- PERMANENT VEGETATION
 - TOPSOIL
 - STONE COVER

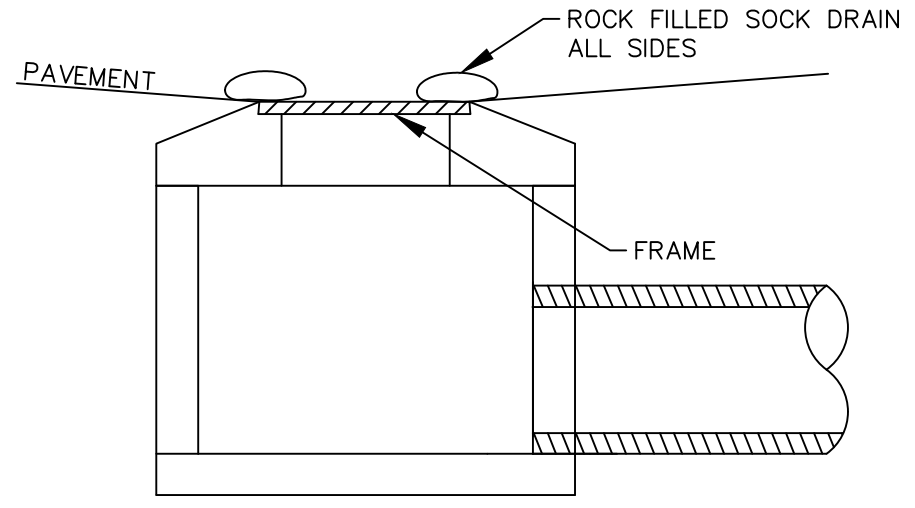
*CHEMICAL CONTROL			
ADHESIVE	WATER DILUTION	TYPE OF NOZZLE	APPLICATION RATE (GAL/AC)
LATEX EMULSION	12 1/2:1	FINE SPRAY	235
RESIN-IN-WATER EMULSION	4:1	FINE SPRAY	300

DUST CONTROL ON DISTURBED AREAS Du

PIPE OUTLET TO WELL DEFINED CHANNEL



- NOTES:
1. SET TOP OF MANHOLE 3" ABOVE FINISHED GRADE, OR FLUSH WITH PAVEMENT.
 2. TOP, RISERS AND BASE SHALL CONFORM TO ASTM SPECIFICATION C-478-64T FOR PRECAST REINFORCED CONCRETE MANHOLE SECTIONS.
 3. MANHOLE RING AND COVER SHALL BE SIMILAR TO NEENAH R-1412-A4. LID SHALL HAVE MACHINED BEARING SURFACES AND SHALL BE LETTERED "STORM", "WATER" OR "SANITARY" AS APPROPRIATE.
 4. MANHOLE SHALL BE STANDARD 4'-0" INSIDE DIAMETER UNLESS OTHERWISE SHOWN ON PLANS.
 5. CORE DRILL SANITARY SEWER MANHOLES FOR CONNECTIONS INTO THE SEWER SYSTEM.



Grate Inlet Trap

46 STORM-DRAIN PIPE AND WEIR VELOCITIES

ST NAME	PIPE/WEIR DIAMETER (FT)	FLOW RATE (cfs)	VELOCITY (fps)	TAILWATER CONDITIONS
St1	3	1.33	6.53	MIN

APRON DIMENSIONS

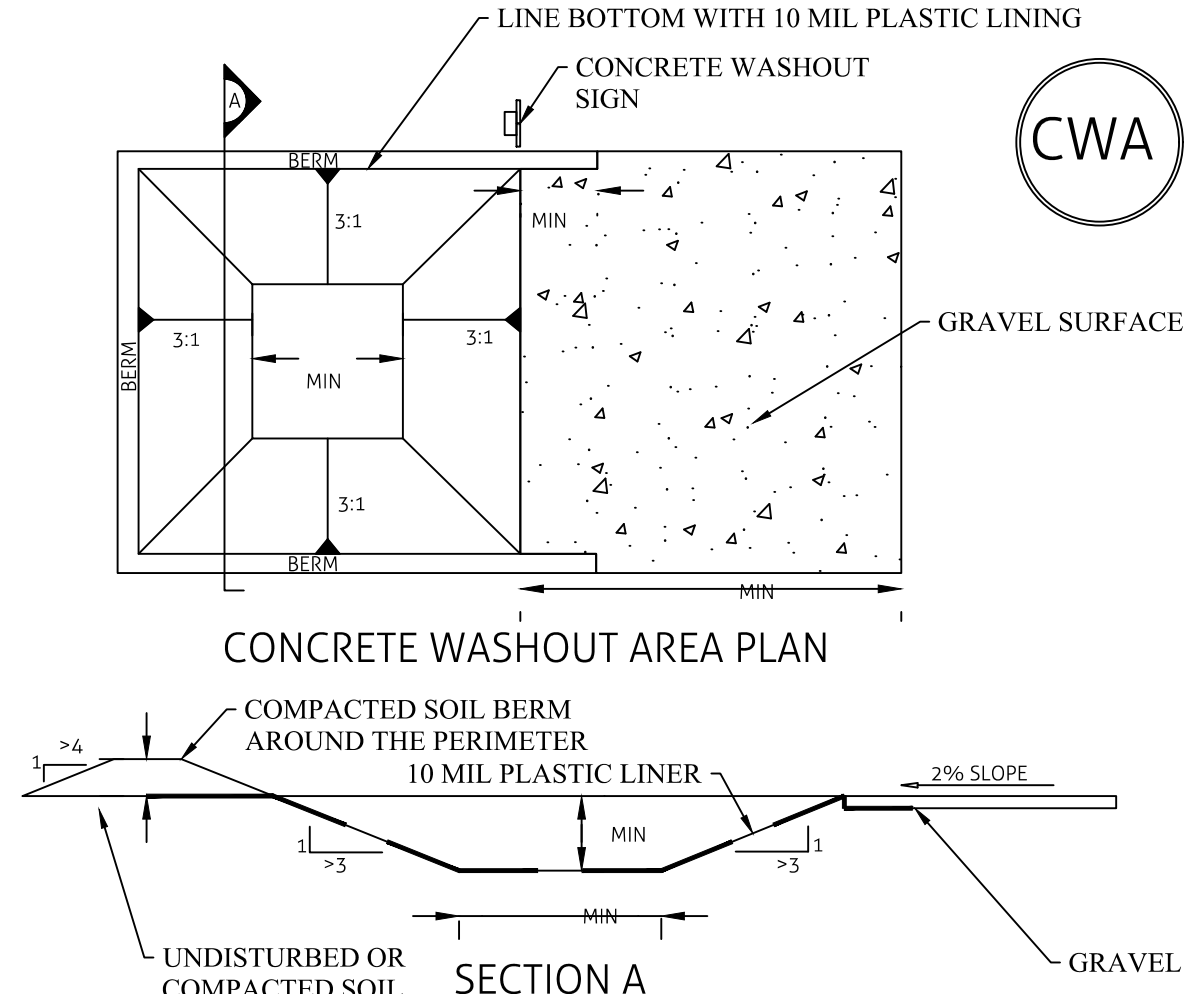
ST NAME	APRON LENGTH (La) (ft)	UPSTREAM WIDTH (w1) (ft)	DOWNSTREAM WIDTH (w2) (ft)	AVG STONE DIAMETER (d50)	STONE DEPTH (D)
St1	6	9	9	0'-6"	0'-9"

PRECAST CONCRETE DOGHOUSE MANHOLE

NOT TO SCALE

CONCRETE WASHOUT AREA

(CWA)



CWA

CWA INSTALLATION NOTES

1. SEE PLAN VIEW FOR CWA INSTALLATION LOCATION.
2. DO NOT LOCATE AN UNLINED CWA WITHIN 400' OF ANY NATURAL DRAINAGE PATHWAY OR WATERBODY. DO NOT LOCATE WITHIN 1,000' OF ANY WELLS OR DRINKING WATER SOURCES. IF SITE CONSTRAINTS MAKE THIS INFEASIBLE, OR IF HIGHLY PERMEABLE SOILS EXIST ON SITE, THE CWA MUST BE INSTALLED WITH AN IMPERMEABLE LINER (16 MIL MINIMUM THICKNESS) OR SURFACE STORAGE. ALTERNATIVES USING PREFABRICATED CONCRETE WASHOUT DEVICES OR A LINED ABOVE GROUND STORAGE ARE SHOULD BE USED.
3. THE CWA SHALL BE INSTALLED PRIOR TO CONCRETE PLACEMENT ON SITE.
4. CWA SHALL INCLUDE A FLAT SUBSURFACE PIT THAT IS AT LEAST 8' BY 8' SLOPES LEADING OUT OF THE SUBSURFACE PIT SHALL BE 3:1 OR FLATTER. THE PIT SHALL BE AT LEAST 3' DEEP. THE BASE SHOULD BE LINED WITH 10 MIL PLASTIC LINING.
5. BERM SURROUNDING SIDES AND BACK OF THE CWA SHALL HAVE MINIMUM HEIGHT OF 1'.
6. VEHICLE TRACKING PAD SHALL BE SLOPED 2% TOWARDS THE CWA.
7. SIGNS SHALL BE PLACED AT THE CONSTRUCTION ENTRANCE, AT THE CWA, AND ELSEWHERE AS NECESSARY TO CLEARLY INDICATE THE LOCATION OF THE CWA TO OPERATORS OF CONCRETE TRUCKS AND PUMPS.
8. USE EXCAVATED MATERIAL FOR THE PERIMETER BERM CONSTRUCTION.

MIN. 6" WIDE X 8" DEEP FLUSH CONCRETE HEADER CURB OR OTHER APPROVED EDGE RESTRAINT. SUBGRADE COMPACTION TO BE DETERMINED BY PROJECT ENGINEER.

TRAFFIC RATED PERVIOUS PAVERS MIN. 3-1/8" THICK WITH TYP. NO. 89 STONE IN OPENINGS

OPENINGS SHALL BE 8% TO 20% OF TOTAL AREA

1.5" TO 2" OF NO. 89 STONE BEDDING COURSE

4" OF NO. 57 STONE OPEN GRADED BASE

10" OF NO. 2 OR NO. 4 STONE SUB-BASE

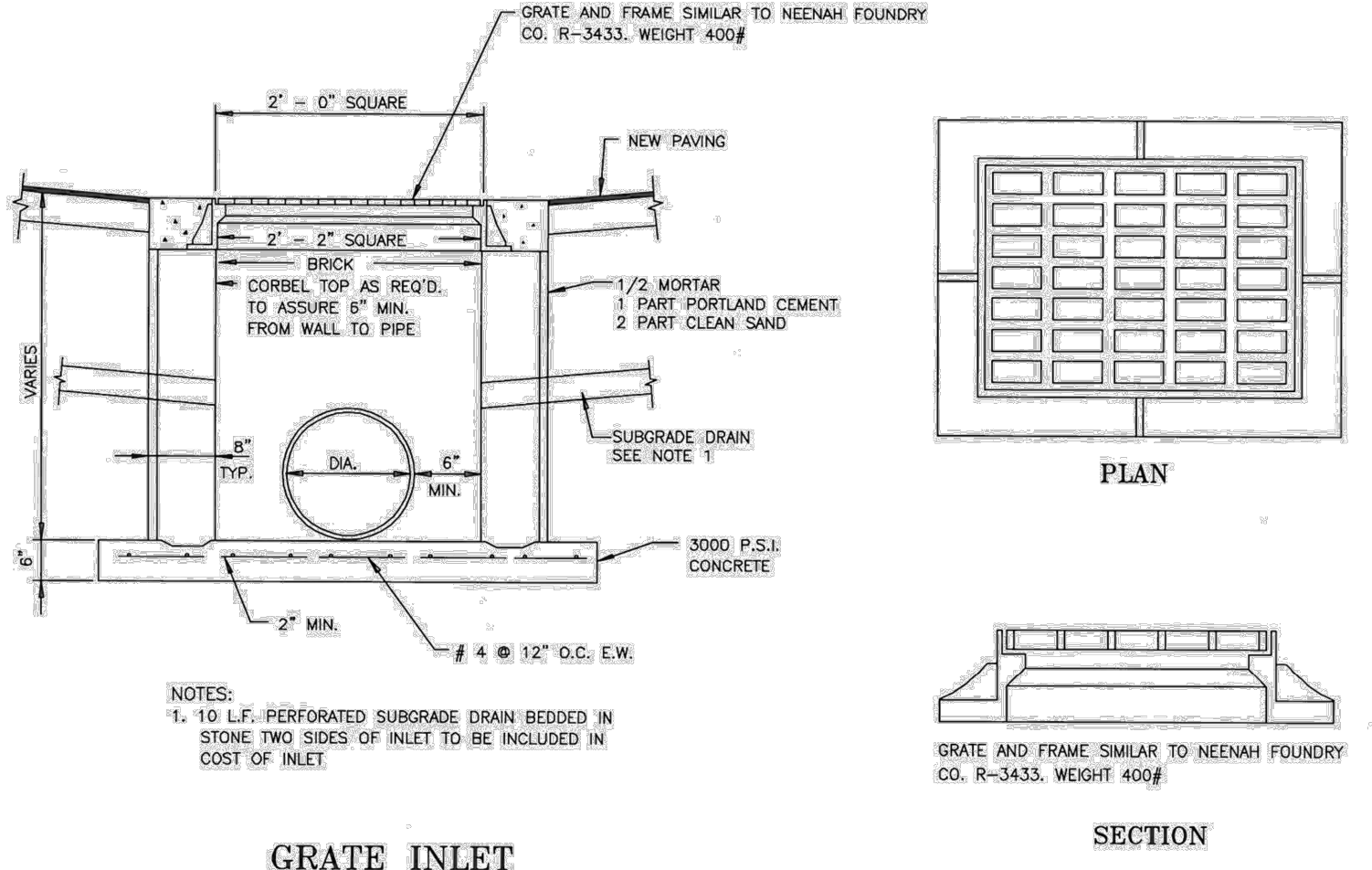
4" PERFORATED SOCK PIPE UNDERDRAIN

GEO-TEXTILE CLOTH (OPTIONAL)

EXISTING UNDISTURBED SOIL

PERMEABLE PAVERS – PARKING LOT

NOT TO SCALE



Grate Inlet

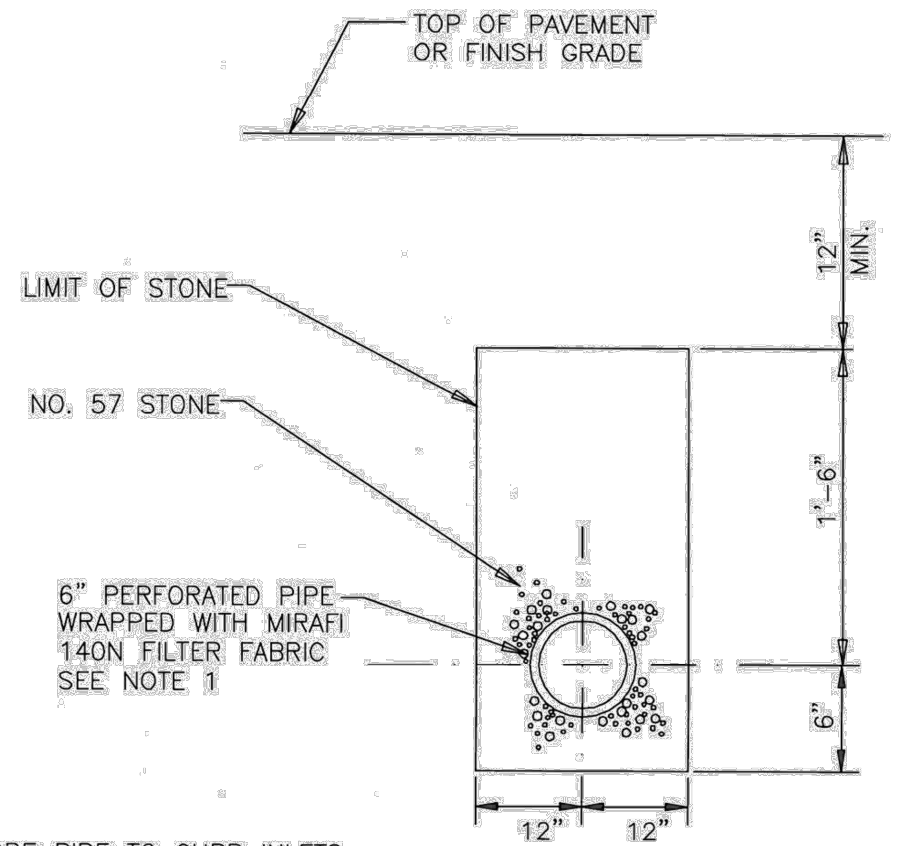
SECTION

CITY OF POOLER
2011 STANDARD DETAIL

Grate Inlet w/ Frame

SCALE: N.T.S.
DATE: August 2006

P-20



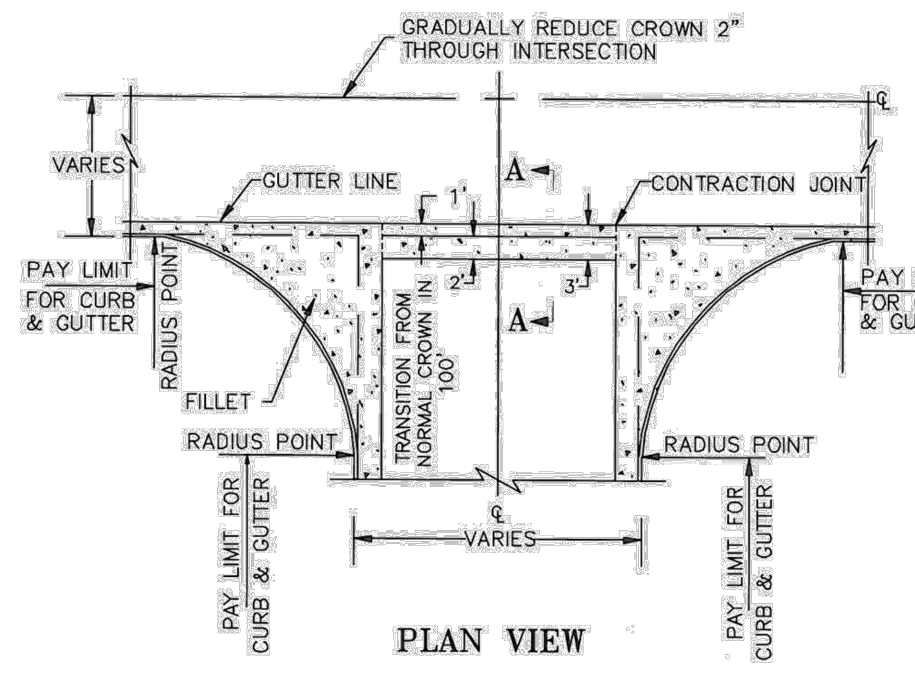
NOTE: 1. SLOPE PIPE TO CURB INLETS AS SHOWN ON DRAWINGS

CITY OF POOLER
2011 STANDARD DETAIL

Subgrade Drain

SCALE: N.T.S.
DATE: August 2006

P-30



PLAN VIEW

SECTION A-A

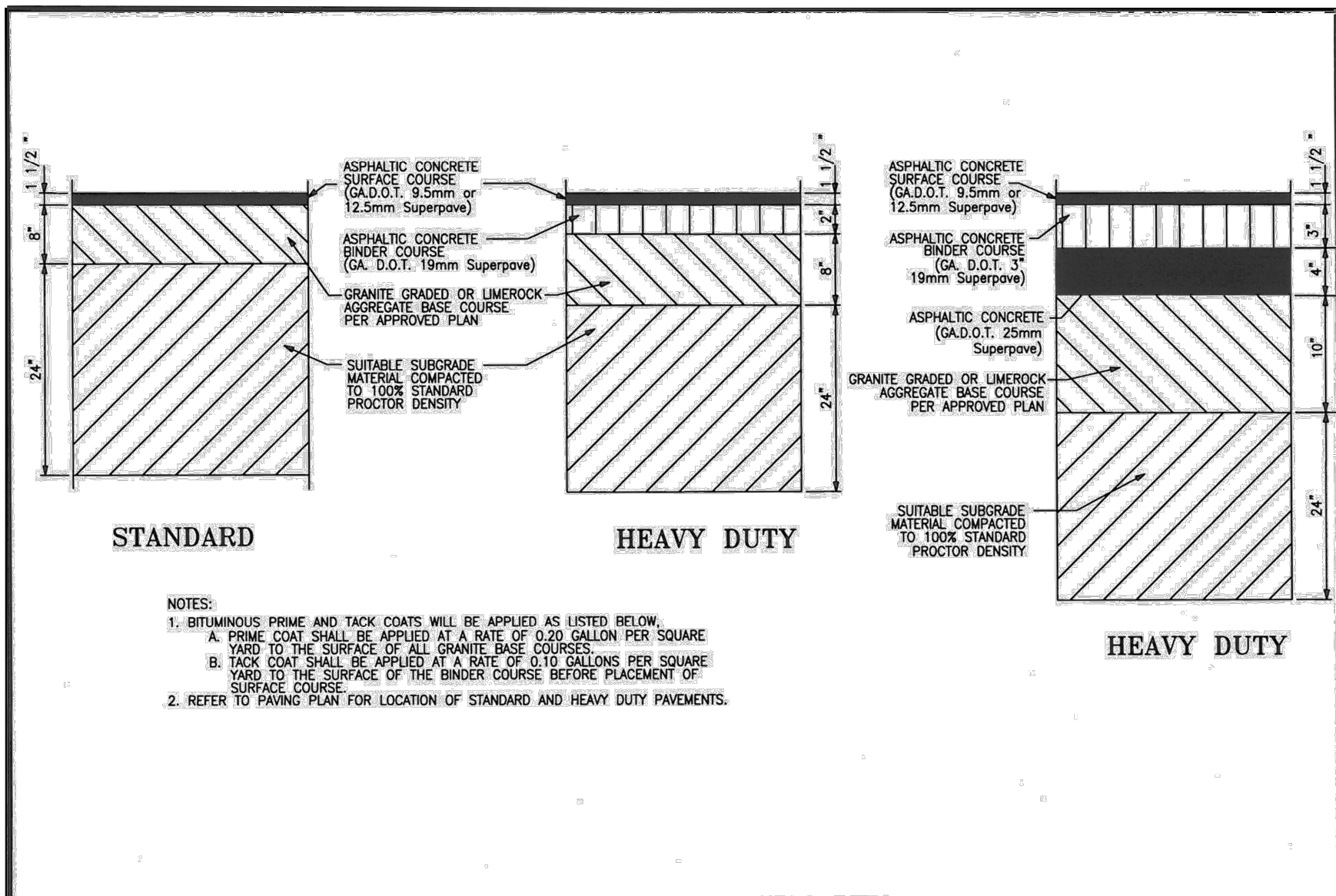
NOTE: COMPACTED SUBBASE TO 100% STANDARD (ASTM D-698)

CITY OF POOLER
2011 STANDARD DETAIL

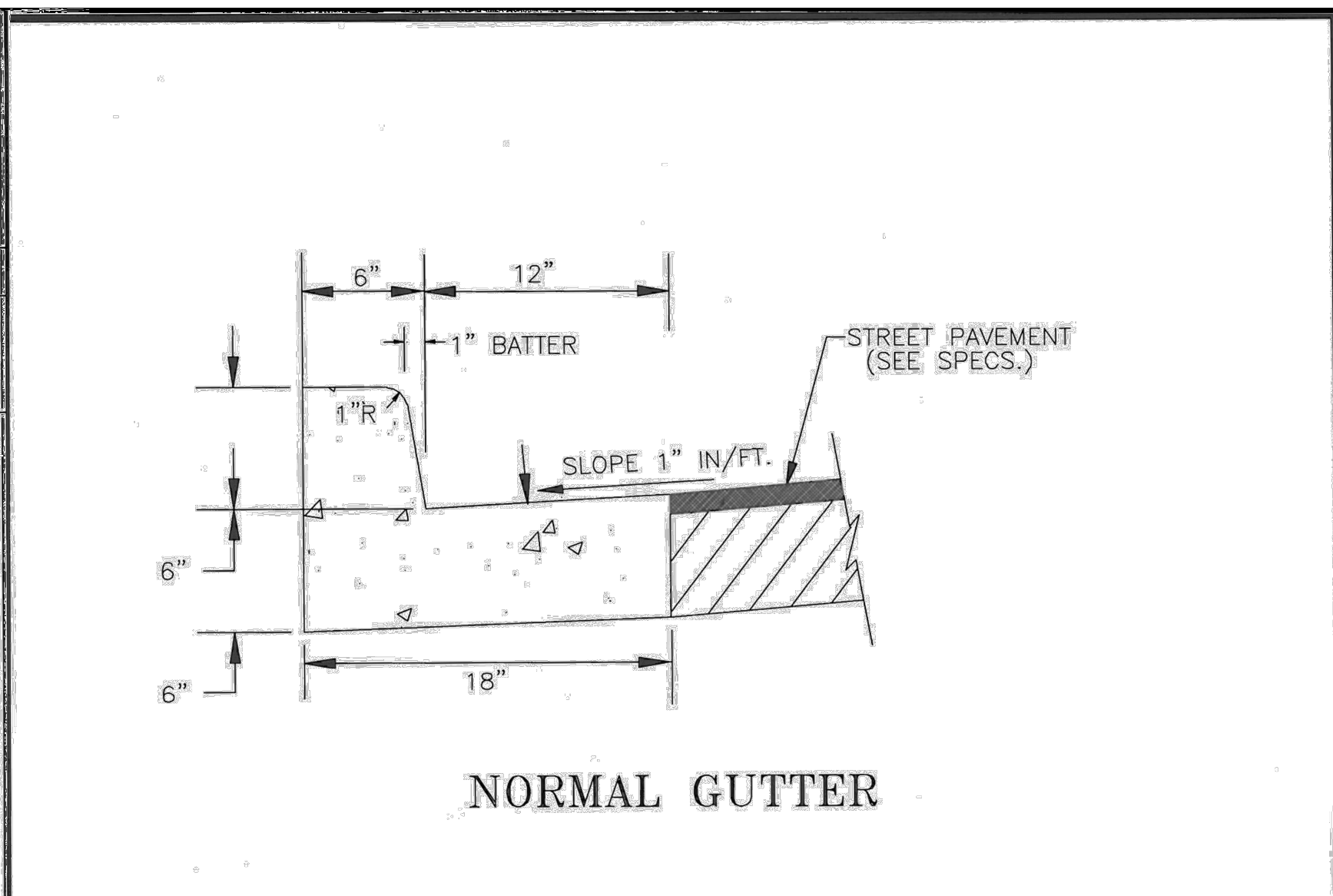
Concrete Swale with Fillets

SCALE: N.T.S.
DATE: August 2006

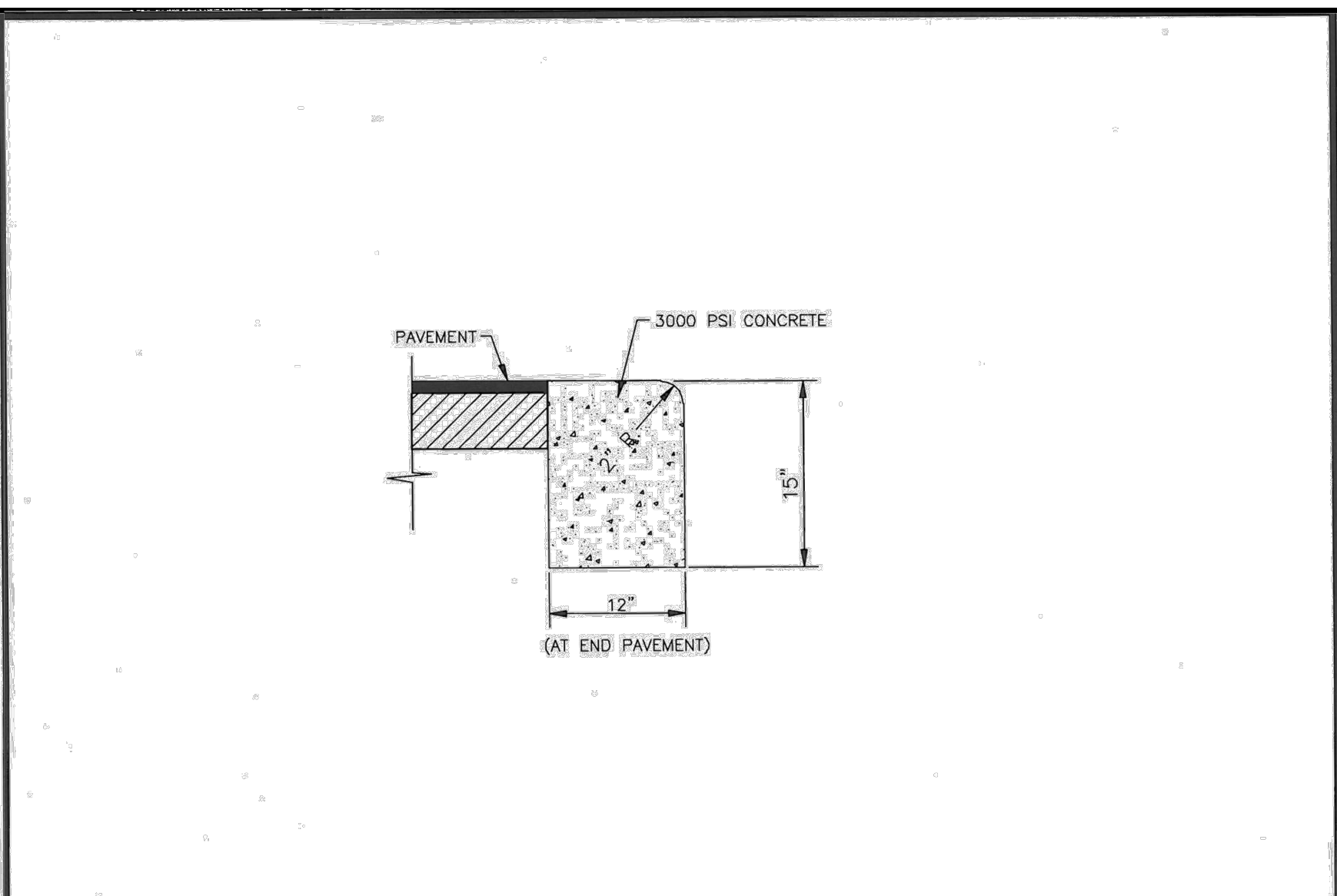
P-31



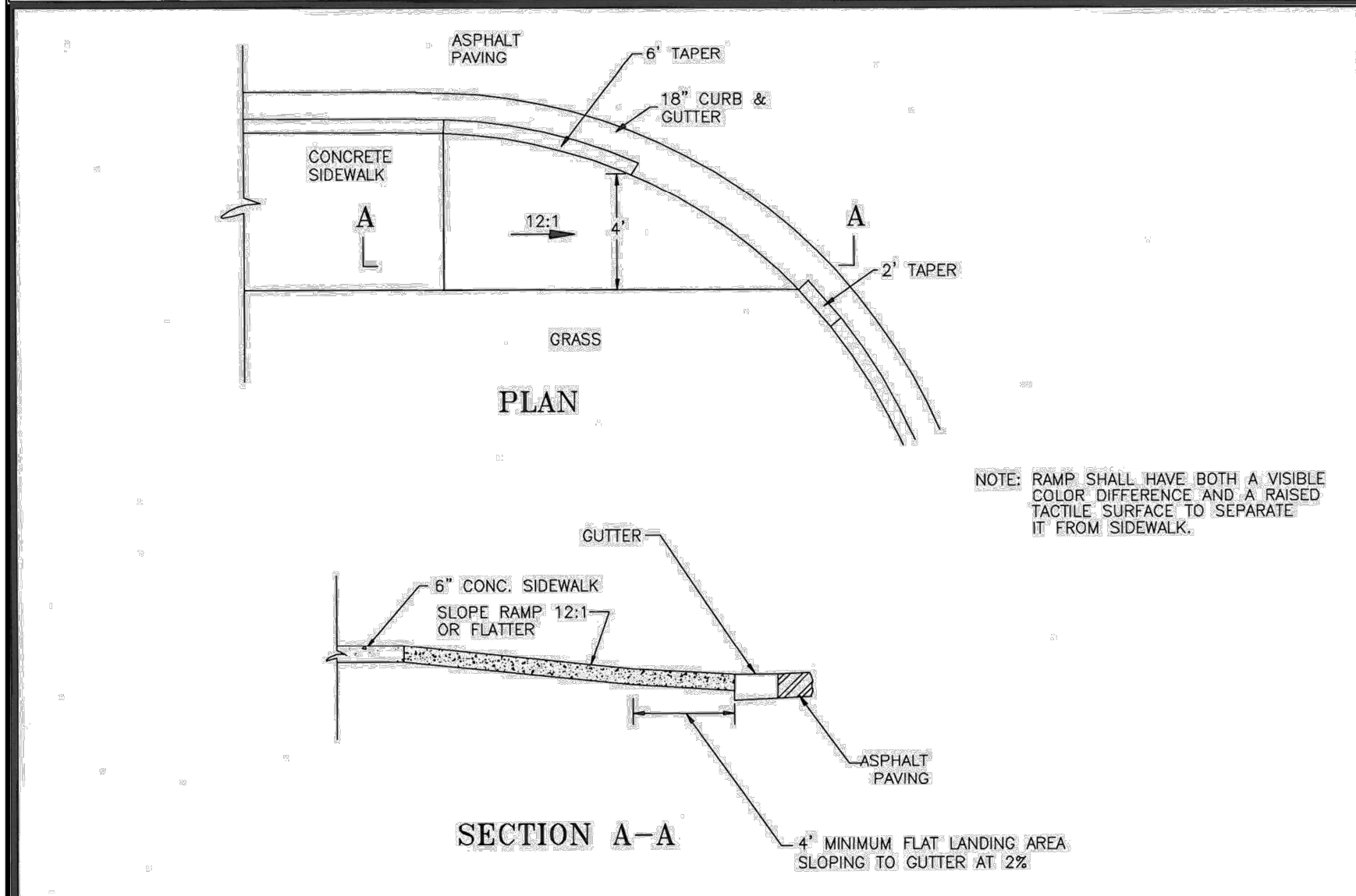
CITY OF POOLER
2011 STANDARD DETAIL
TYPICAL PAVEMENT SECTIONS
SCALE: N.T.S.
DATE: June 2012
P-10



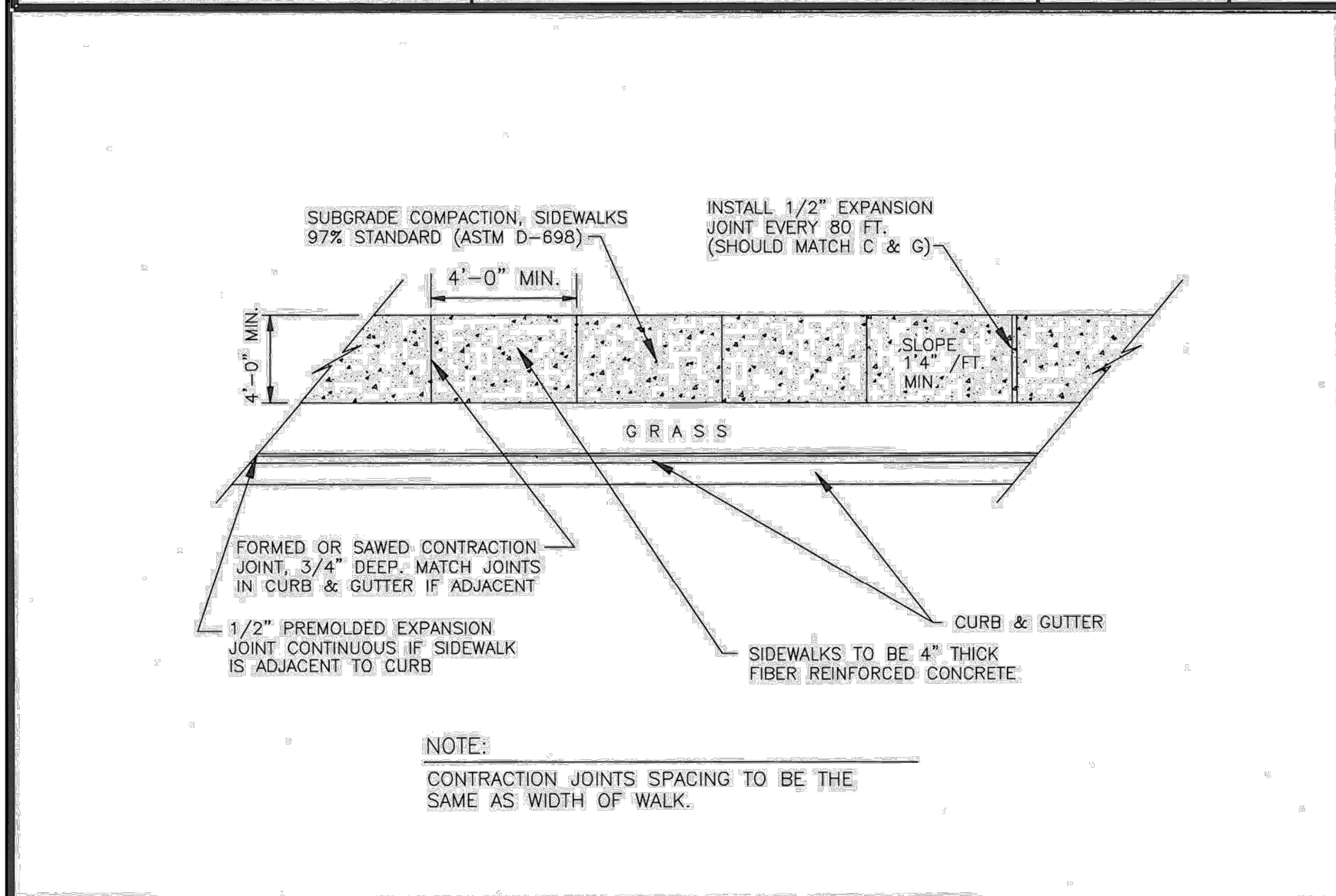
CITY OF POOLER
2011 STANDARD DETAIL
18" CURB & GUTTER
SCALE: N.T.S.
DATE: January 2004
P-03



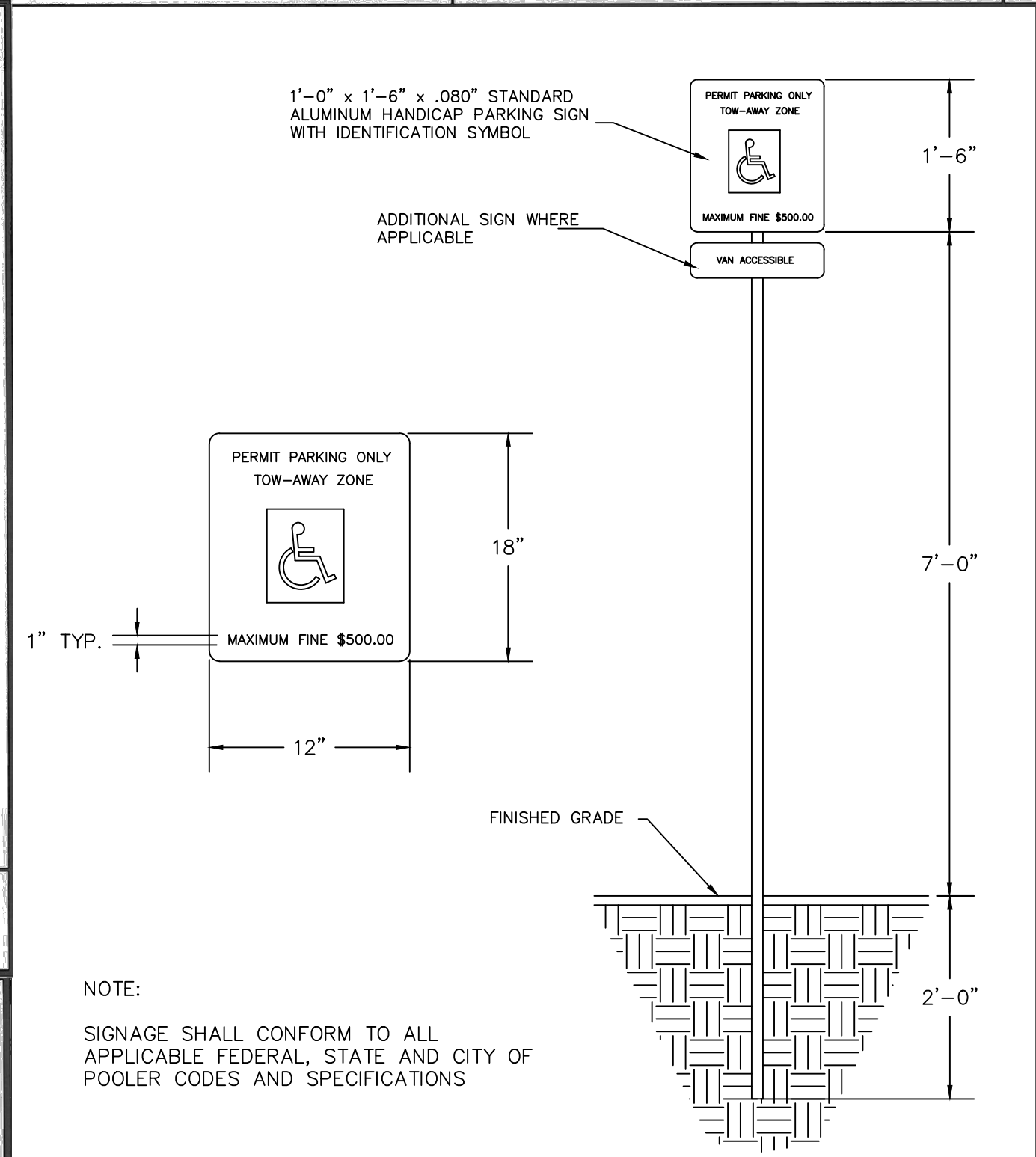
CITY OF POOLER
2011 STANDARD DETAIL
FLUSH HEADER CURB
SCALE: N.T.S.
DATE: August 2006
P-04



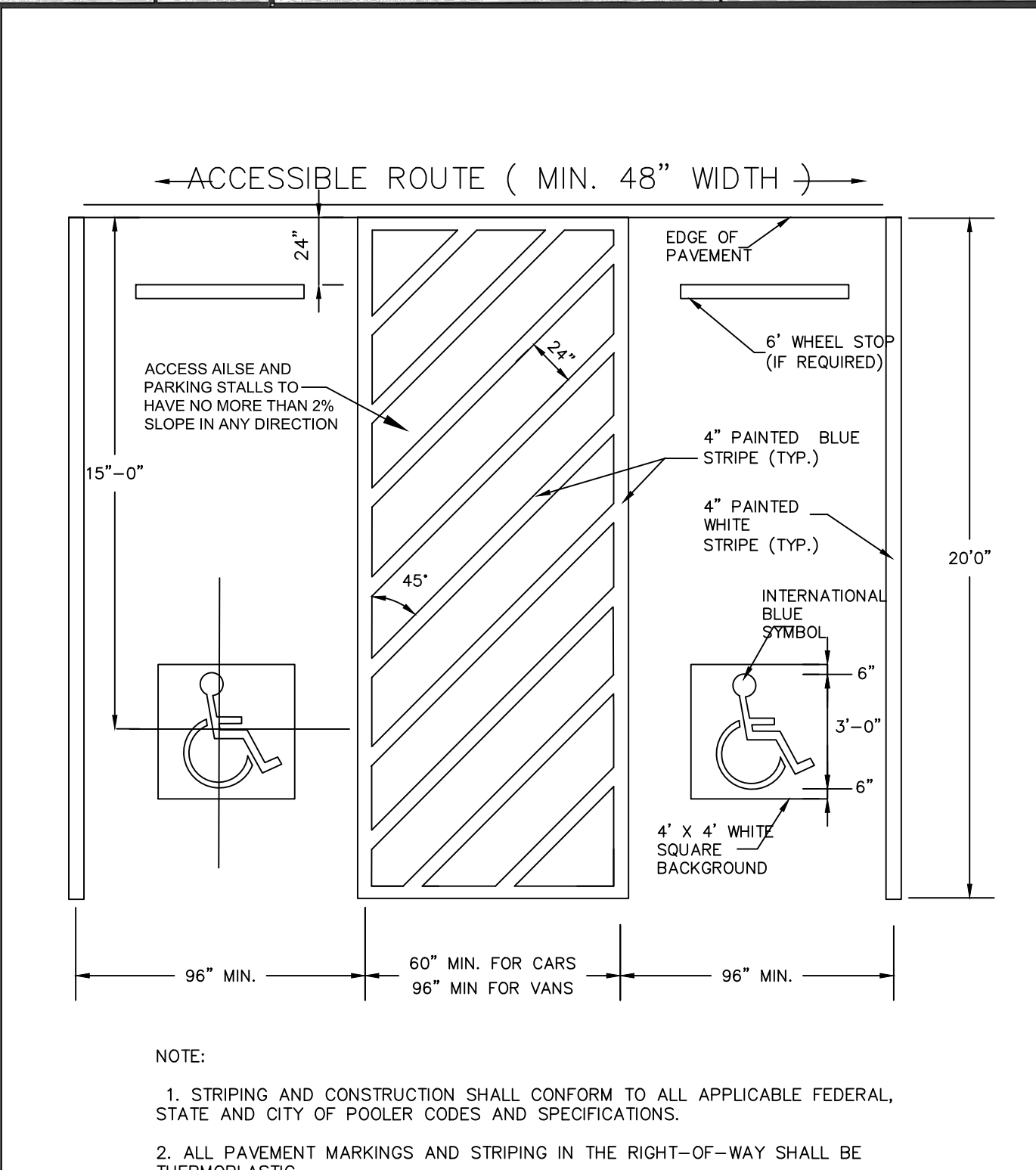
CITY OF POOLER
2011 STANDARD DETAIL
HANDICAP RAMP DETAILS
SCALE: N.T.S.
DATE: January 2011
P-17



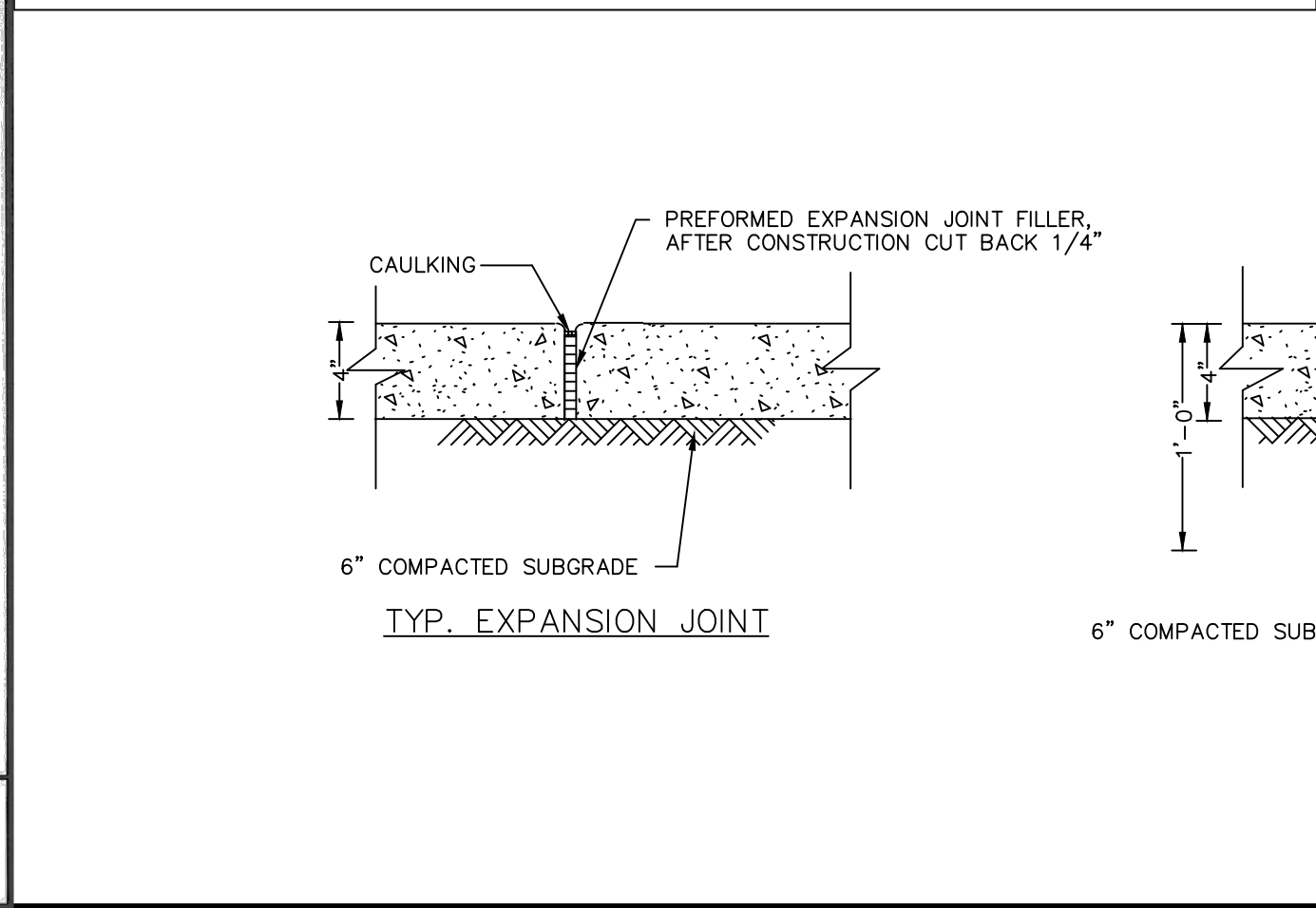
CITY OF POOLER
2011 STANDARD DETAIL
SIDEWALK AND WALKWAY DETAILS
SCALE: N.T.S.
DATE: January 2004
P-15



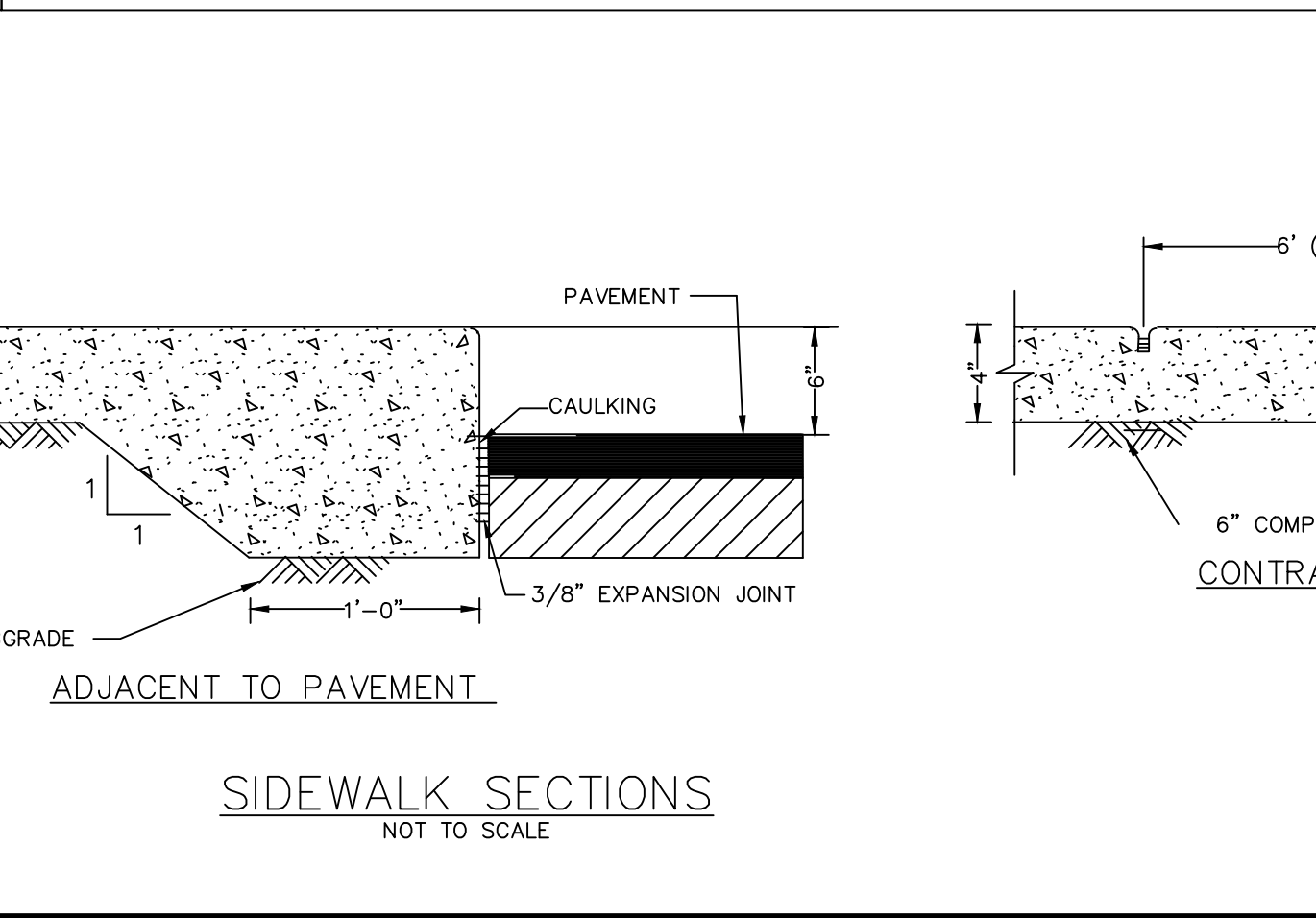
HANDICAP PARKING SIGN DETAIL



ADA HANDICAP PARKING SPACE STRIPING DETAIL



SIDEWALK SECTIONS
NOT TO SCALE



SIDEWALK SECTIONS
NOT TO SCALE

SEEDING RATES FOR TEMPORARY & PERMANENT COVER

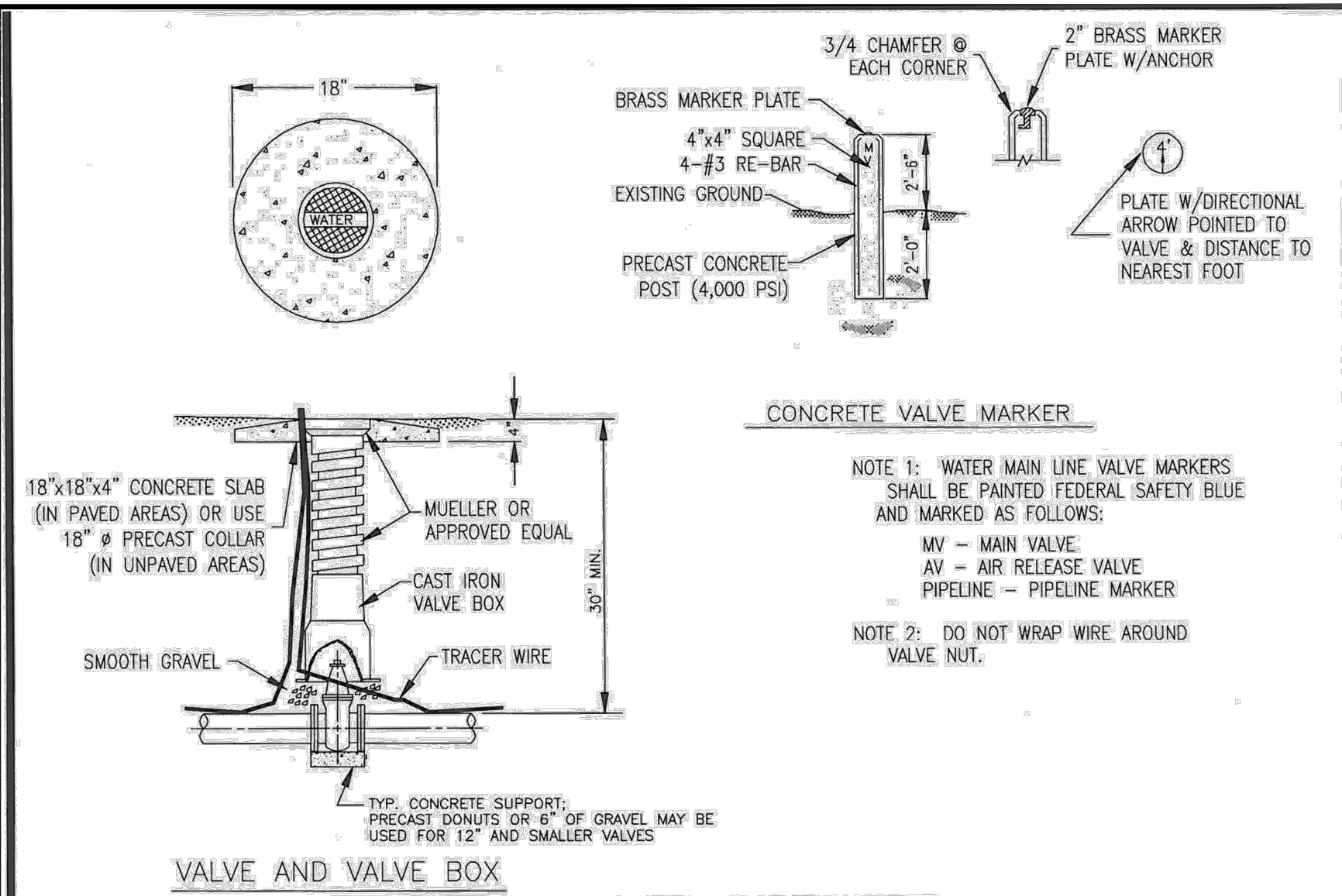
MONTH	TEMPORARY COVER	RATES PER ACRE	MONTH	PERMANENT COVER	RATES PER ACRE
MARCH-JUNE	COMMON BERMUDA (HULLED) WEEDING LOVEGRASS	10 lbs. 4 lbs.	MARCH-JUNE	COMMON BERMUDA (HULLED) WEEDING LOVEGRASS	10 lbs. 4 lbs.
APRIL-AUGUST	BROWN TOP MILLET SUDANGRASS PEARL MILLET	40 lbs. 60 lbs. 50 lbs.	JULY-AUGUST	COMMON BERMUDA (HULLED) & BROWN TOP MILLET COMMON BERMUDA (HULLED) & WEEDING LOVEGRASS COMMON BERMUDA (HULLED) & PENSACOLA BAHIA & BROWN TOP MILLET	10 lbs. 10 lbs. 6 lbs. 2 lbs. 8 lbs. 10 lbs. 10 lbs.
SEPT.-FEBRUARY	RYE (MOST WINTER HARDY) RYEGRASS BARLEY WHEAT	3 BU 40 lbs. 3 BU 3 BU		PENSACOLA BAHIA & BROWN TOP MILLET PENSACOLA BAHIA & WEEDING LOVEGRASS & BROWN TOP MILLET WEEDING LOVEGRASS & BROWN TOP MILLET	60 lbs. 10 lbs. 30 lbs. 2 lbs. 10 lbs. 4 lbs. 10 lbs.

NOTES:
1. CENTREPIECE SOD CAN BE USED AS PERMANENT COVER ANYTIME EXCEPT WINTER THROUGH OCTOBER.
2. LISTED IN ORDER OF PREFERENCE.
3. ALL PERMANENT GRASS PLANTINGS SHALL BE MULCHED.

Ds2-Ds4 NOTES:
Ds2
1. A TEMPORARY GRASSING OF ANNUAL RYEGRASS SHALL BE APPLIED AT A RATE OF 40 LBS PER ACRE TO DISTURBED AREAS WITHIN 14 DAYS OF DISTURBANCE. THE PROPOSED ANNUAL RYEGRASS SHALL BE APPLIED DURING THE MONTHS OF SEPTEMBER THRU DECEMBER.
2. A 6-12-12 FERTILIZER SHALL BE USED ON THE DISTURBED AREA OF Ds2 AND SHALL BE APPLIED AT A RATE OF 1500 LBS. PER AC.
3. AGRICULTURAL LIME IS REQUIRED UNLESS SOIL TESTS INDICATE OTHERWISE.
Ds3
1. A PERMANENT GRASSING OF UNHULLED COMMON BERMUDA SHALL BE APPLIED AT A RATE OF 10 LBS. PER ACRE DURING THE MONTHS OF SEPTEMBER THRU FEBRUARY. IF A HYDRAULIC SEEDER IS TO BE USED, REFER TO THE EROSION AND SEDIMENT CONTROL MANUAL FOR FURTHER DIRECTION ON THE METHOD OF APPLICATION.
2. A 6-12-12 FERTILIZER SHALL BE USED ON THE DISTURBED AREA OF Ds3 AND SHALL BE APPLIED AT RATE OF 1500 LBS. PER AC.
3. DRIED STRAW OR DRY HAY SHALL BE USED FOR MULCHING AND APPLIED AT A RATE OF 2 TONS PER ACRE. MULCH WILL BE SPREAD UNIFORMLY WITHIN 24 HOURS AFTER SEEDING. THE MULCH MAY BE SPREAD BY BLOWER-TYPE SPREADING EQUIPMENT, OTHER SPREADING EQUIPMENT OR BY HAND. MULCH SHALL BE APPLIED TO COVER 75% OF THE SOIL SURFACE.
4. AGRICULTURAL LIME IS REQUIRED AT A RATE OF 1 - 2 TONS PER ACRE UNLESS SOIL TESTS INDICATE OTHERWISE.
Ds4
1. SOIL SURFACE IS BROUGHT TO FINAL GRADE AND CLEAR OF ANY TRASH, DEBRIS, AND CLODS LARGER THAN 1".
2. SOD SHOULD BE APPLIED TO SOIL SURFACE ONLY (NOT TO FROZEN OR GRAVEL TYPE SOILS). CUT AND INSTALLED WITHIN 36 HOURS OF DIGGING.
3. LIME & FERTILIZER SHOULD BE APPLIED BASED ON SOIL TESTS OR AT A RATE OF 1 - 2 TONS PER ACRE.
4. SOD SHOULD BE ANCHORED WITH PINS ON SLOPES STEEPER THAN 3:1.
5. IRRIGATION SHOULD BE USED AS A SUPPLEMENT TO RAINFALL FOR A MIN OF 2 - 3 WEEKS.
6. GRASS HEIGHT SHOULD NOT BE CUT LESS THAN 2" - 3" WHEN MOWING.

PAVEMENT DETAILS
FELC 247 - Foundations at Blakely Commons

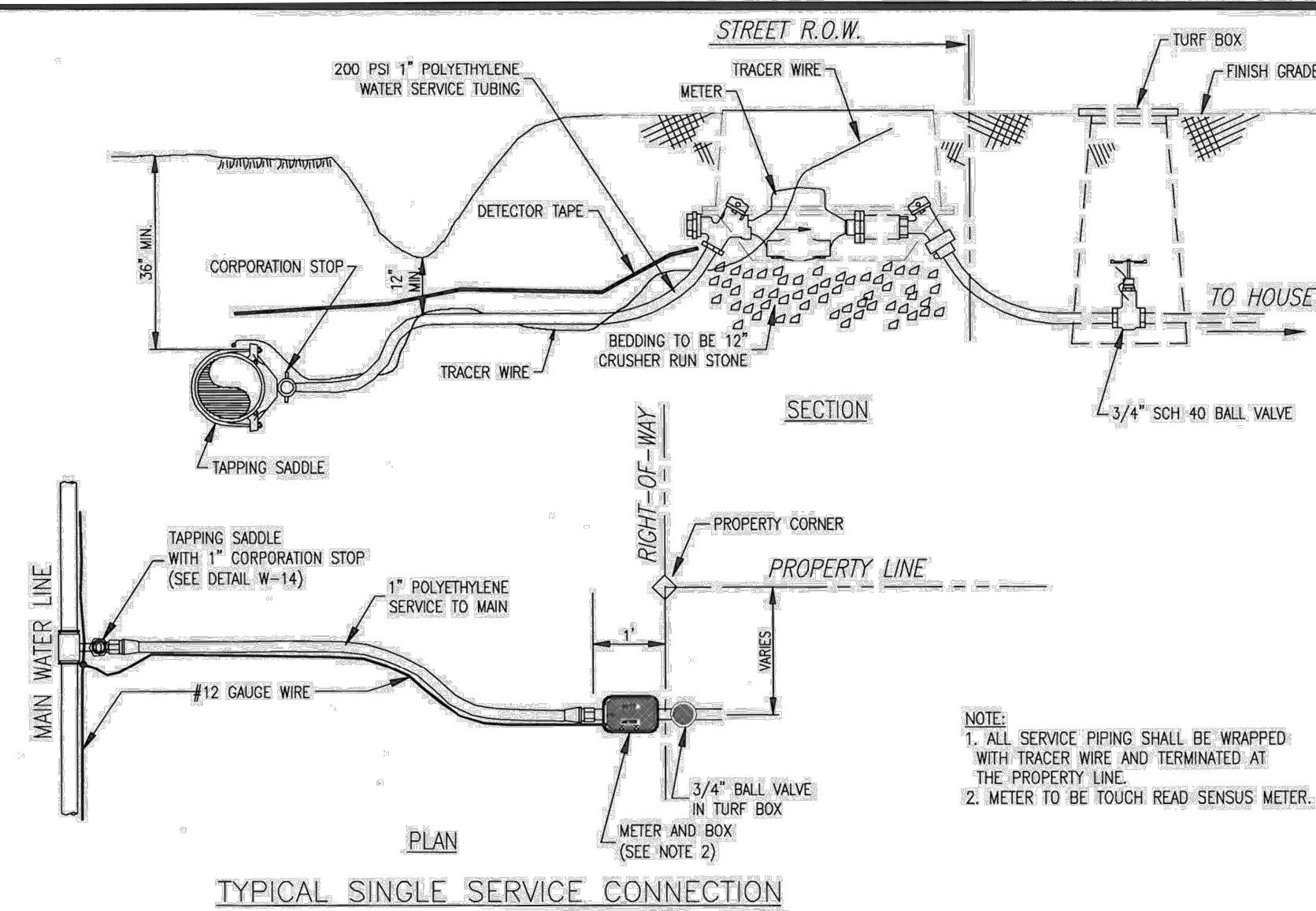
RELEASED FOR REVIEW
DRWN: JAM 9-24-2025
CHKD: JAM DATE
NOT TO SCALE
SHEET NO.
C.d4
933-23-01
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CITY OF POOLER
2011 STANDARD DETAIL

VALVE DETAIL

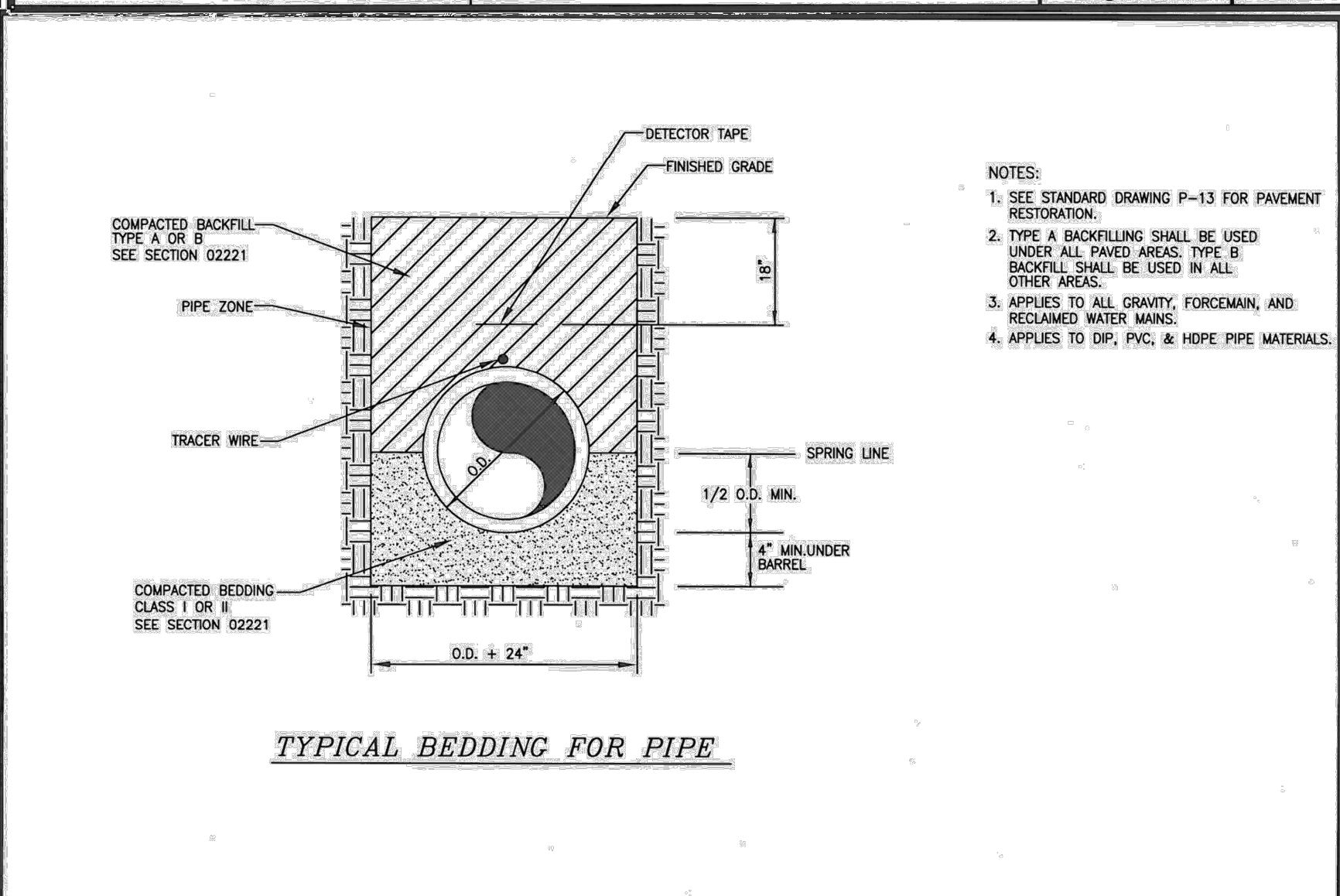
SCALE: N.T.S.
DATE: August 2006
W-03



CITY OF POOLER
2011 STANDARD DETAIL

SERVICE CONNECTION DETAIL

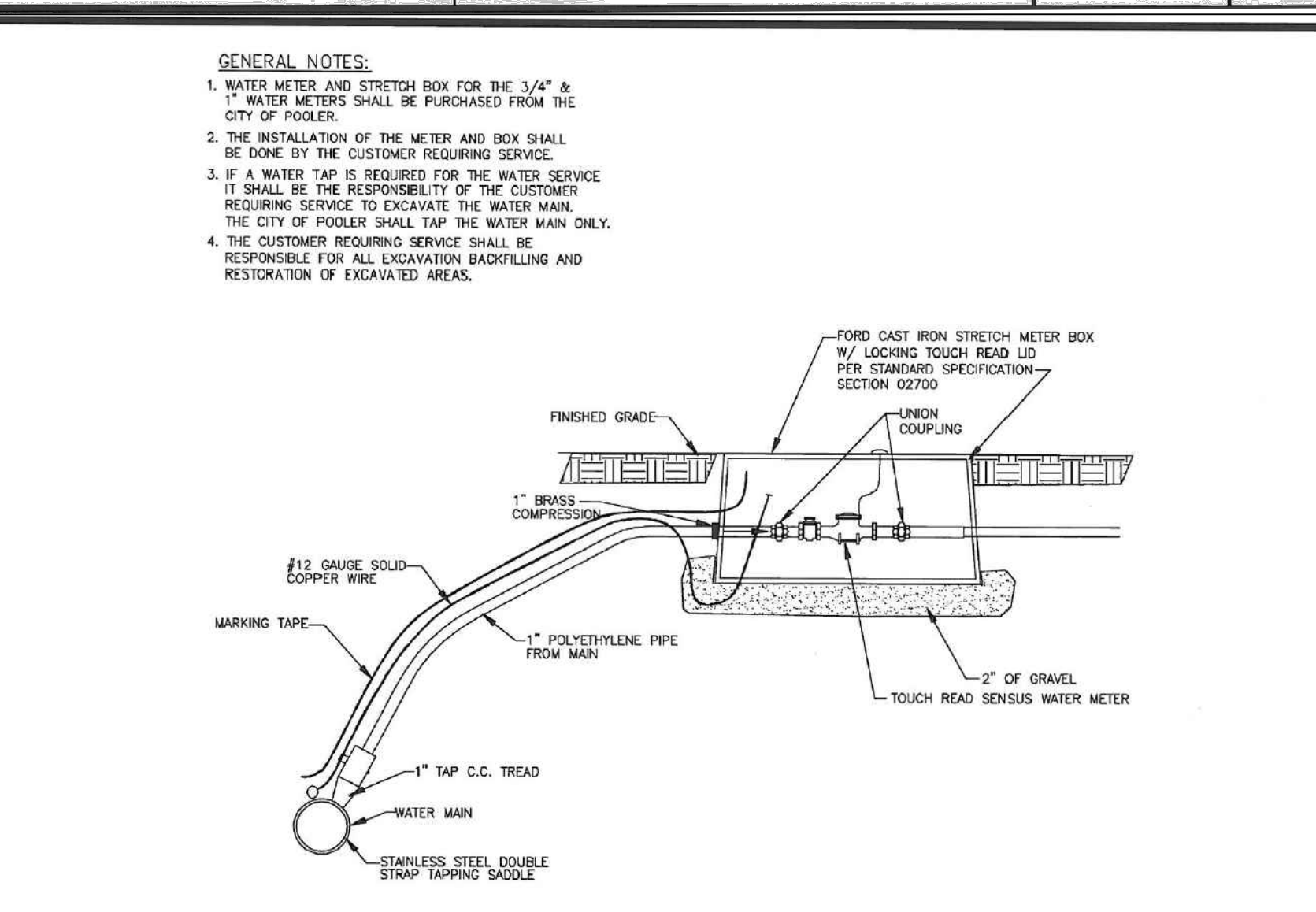
SCALE: N.T.S.
DATE: January 2011
W-10



CITY OF POOLER
2011 STANDARD DETAIL

PIPE BEDDING DETAIL

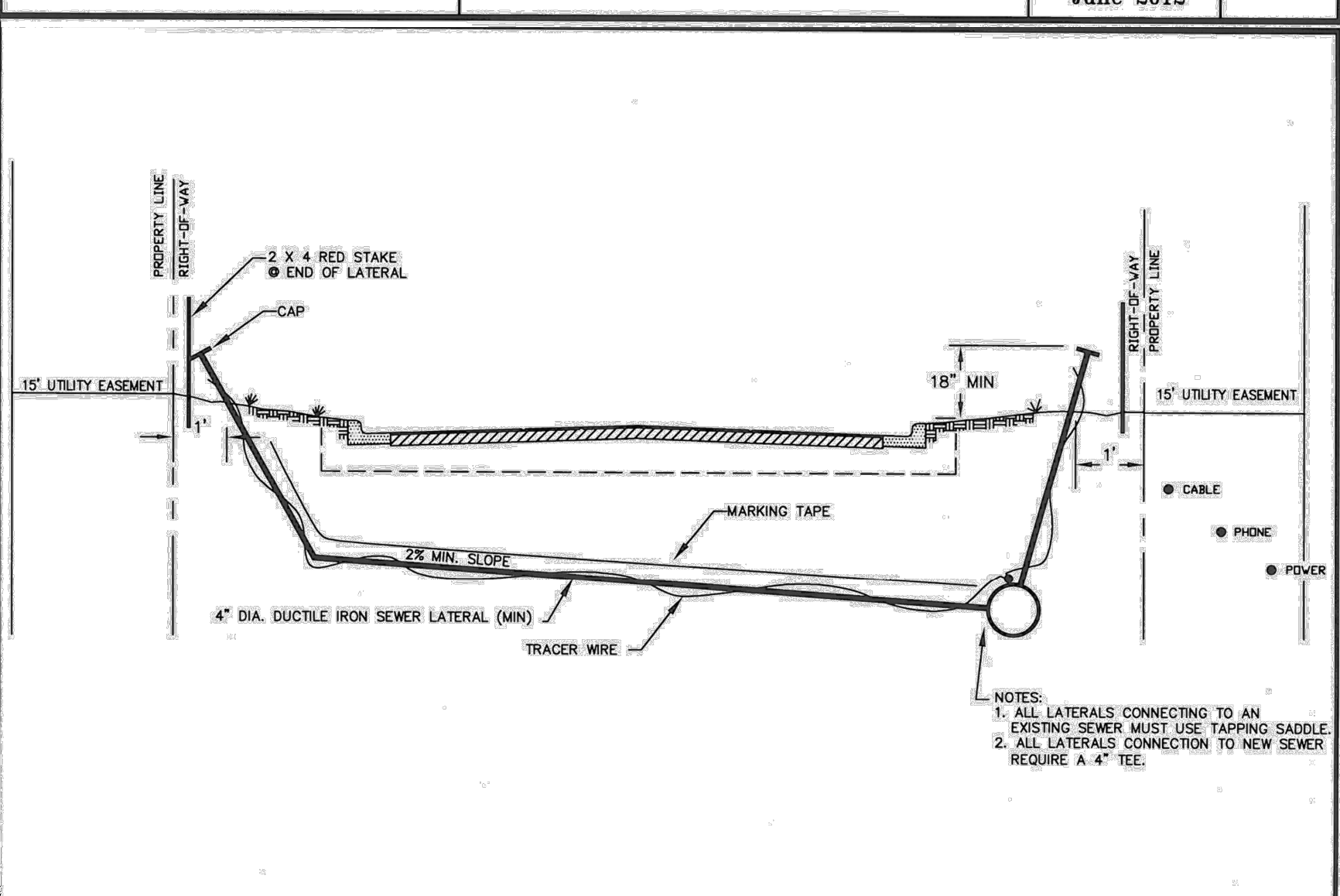
SCALE: N.T.S.
DATE: June 2012
S-12



CITY OF POOLER
2011 STANDARD DETAIL

WATER METER INSTALLATION
1" SERVICE PIPE, 3/4" WATER METER & 1" WATER METER DOMESTIC, IRRIGATION & COMMERCIAL USE ONLY

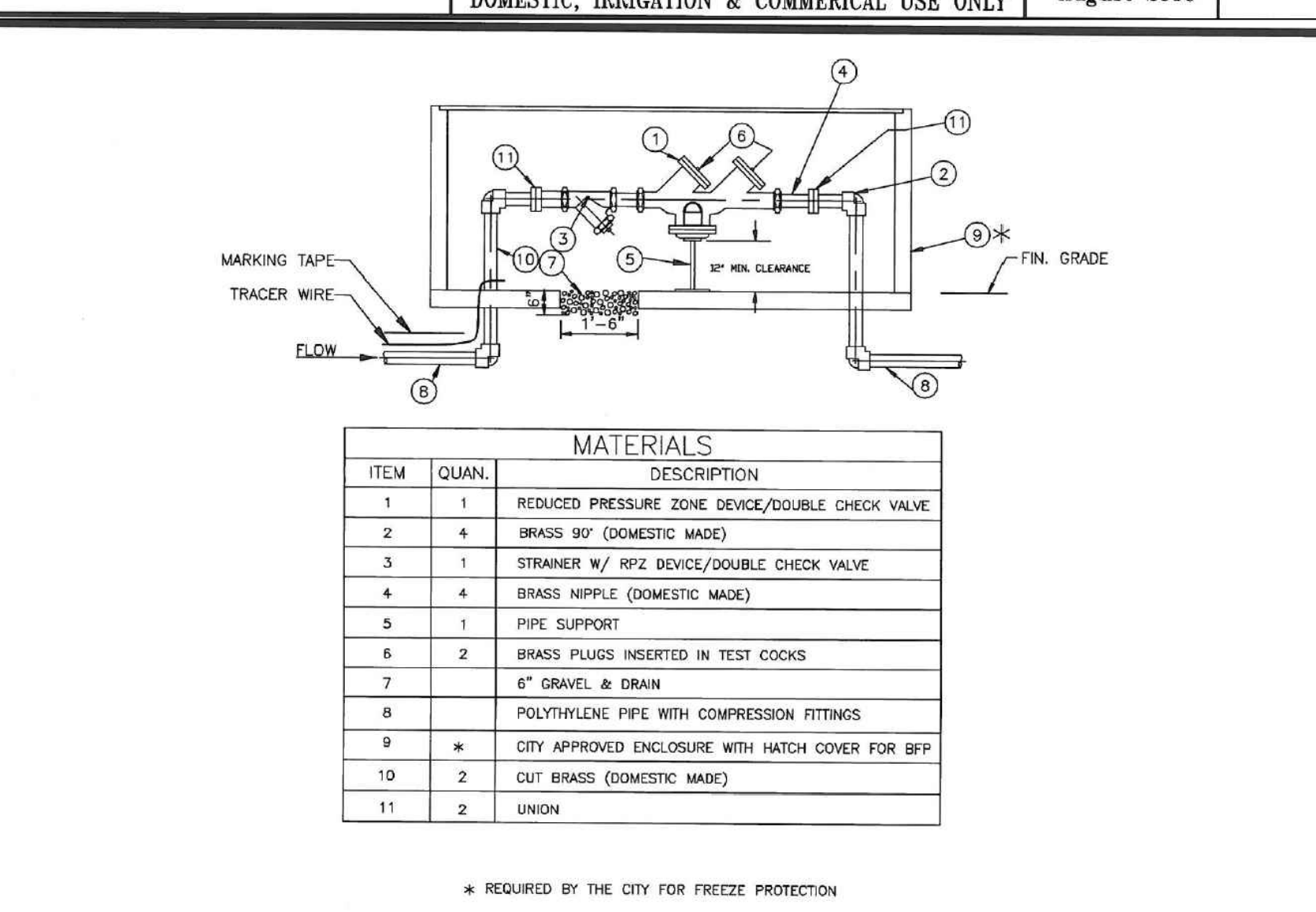
SCALE: N.T.S.
DATE: August 2006
W-21



CITY OF POOLER
2011 STANDARD DETAIL

SEWER LATERAL DETAIL

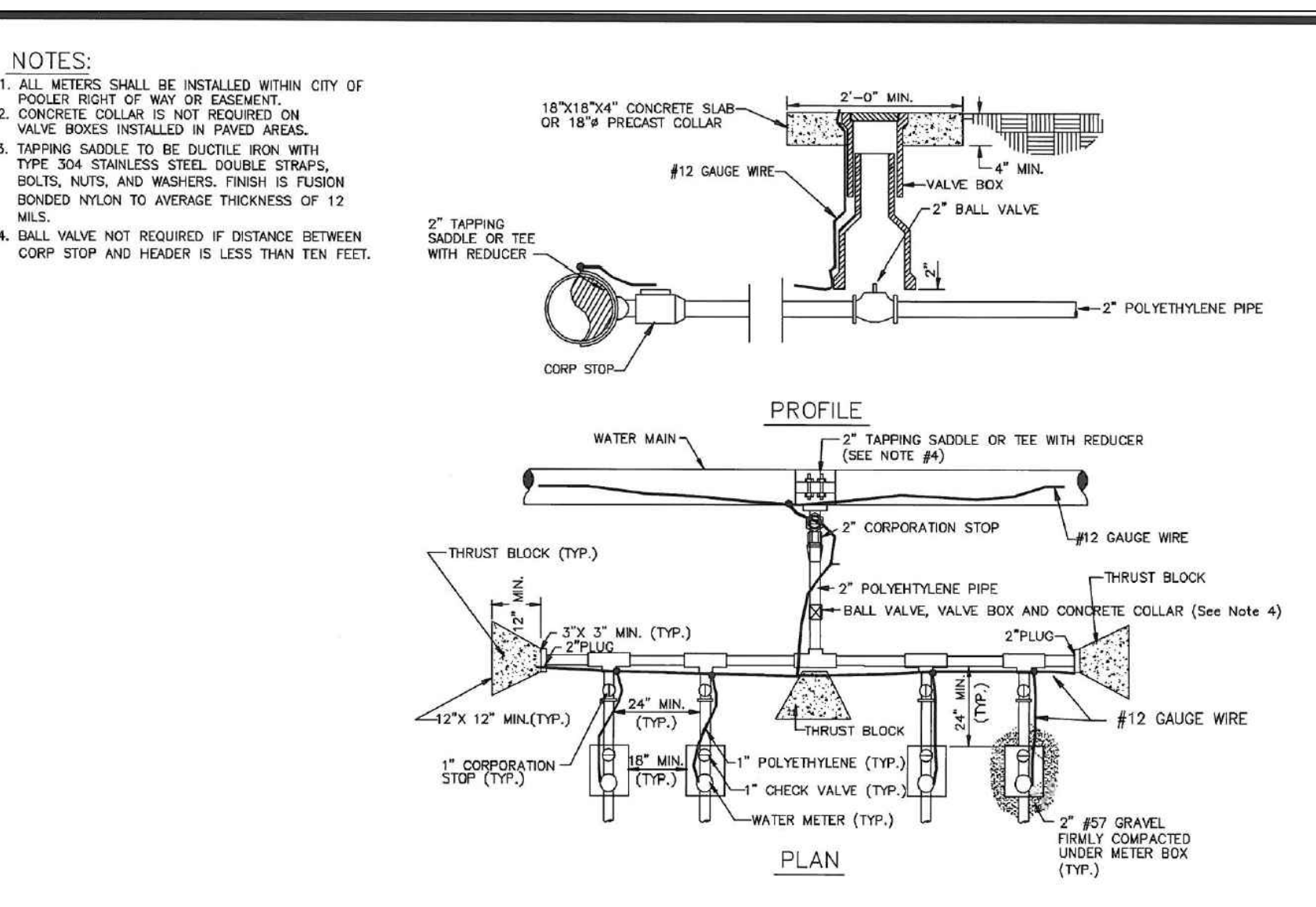
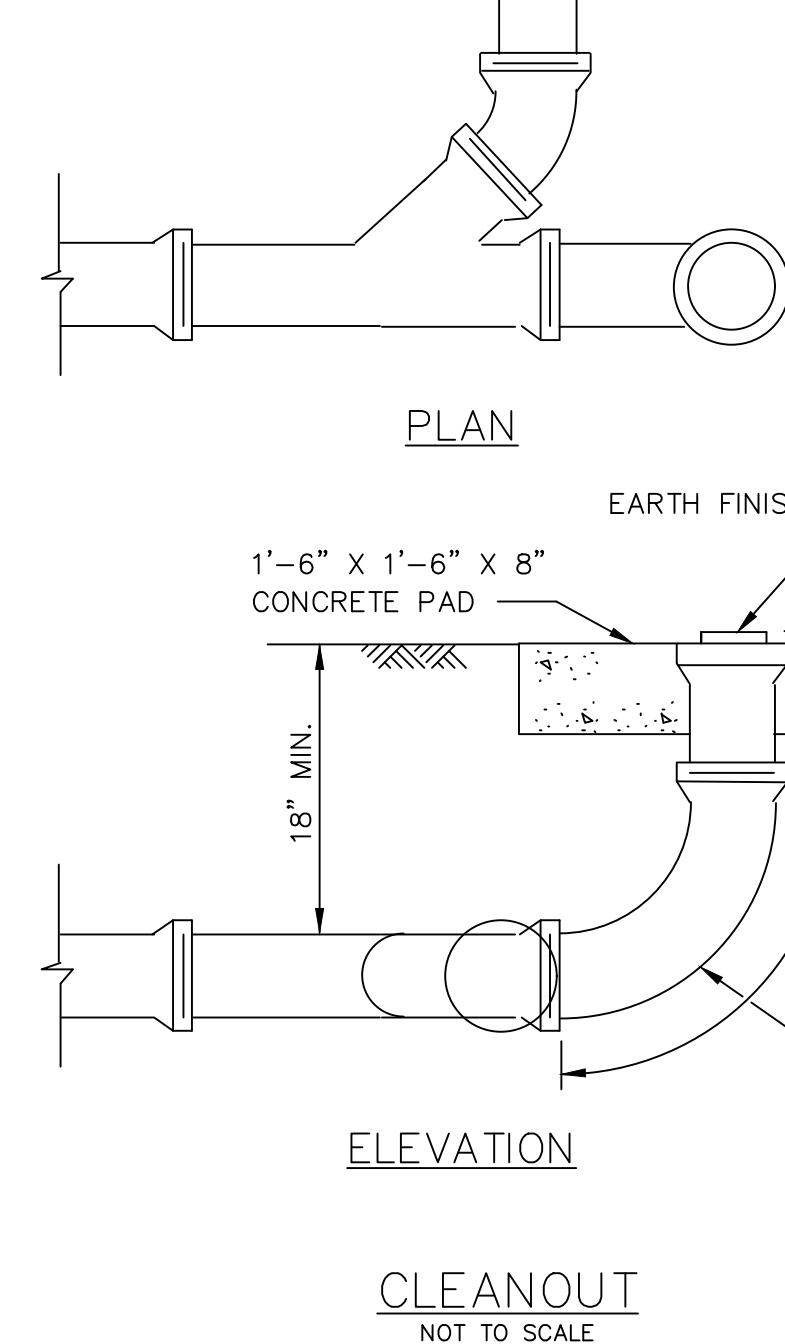
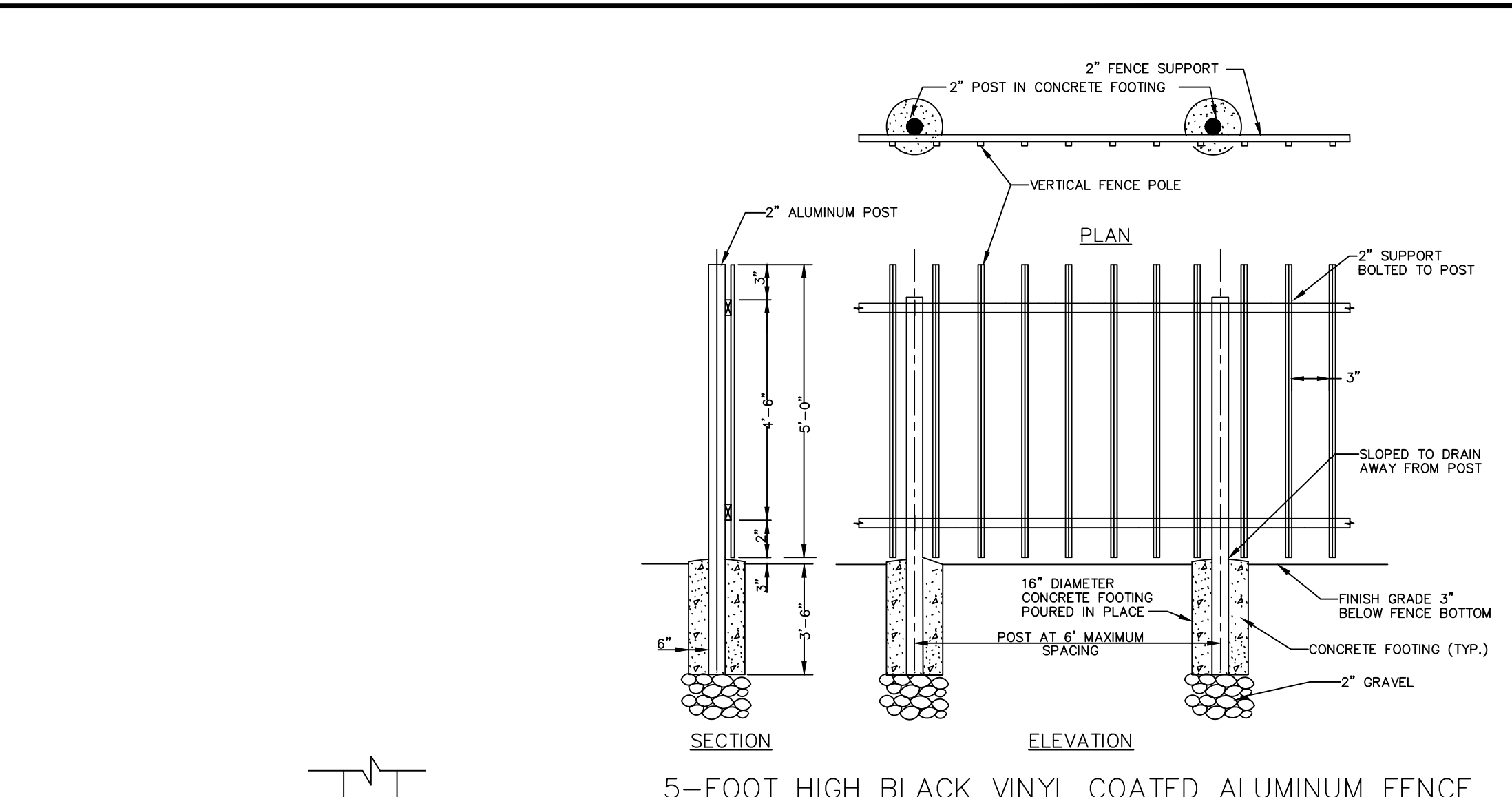
SCALE: N.T.S.
DATE: June 2012
S-14



CITY OF POOLER
2011 STANDARD DETAIL

BACKFLOW PREVENTER DETAIL
3/4", 1", 1-1/2", 2"

SCALE: N.T.S.
DATE: January 2011
W-28



CITY OF POOLER
2011 STANDARD DETAIL

MANIFOLD FOR MULTIPLE
3/4" OR 1" METER INSTALLATION

SCALE: N.T.S.
DATE: January 2011
W-18

REVISIONS	DATE	DESCRIPTION
NO.		

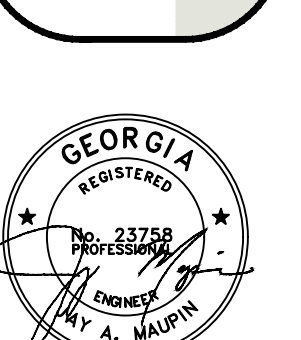
MAUPIN
engineering

114 WEST 42ND STREET
SAVANNAH, GA 31401

OFFICE PHONE (912) 235-2915
GENERAL@MAUPINENGINEERING.COM

WATER & SEWER DETAILS

FELC 247 - Foundations at Blakely Commons



STATUS: RELEASED FOR REVIEW

DRWN: JAM 9-24-2025

CHK'D: JAM DATE

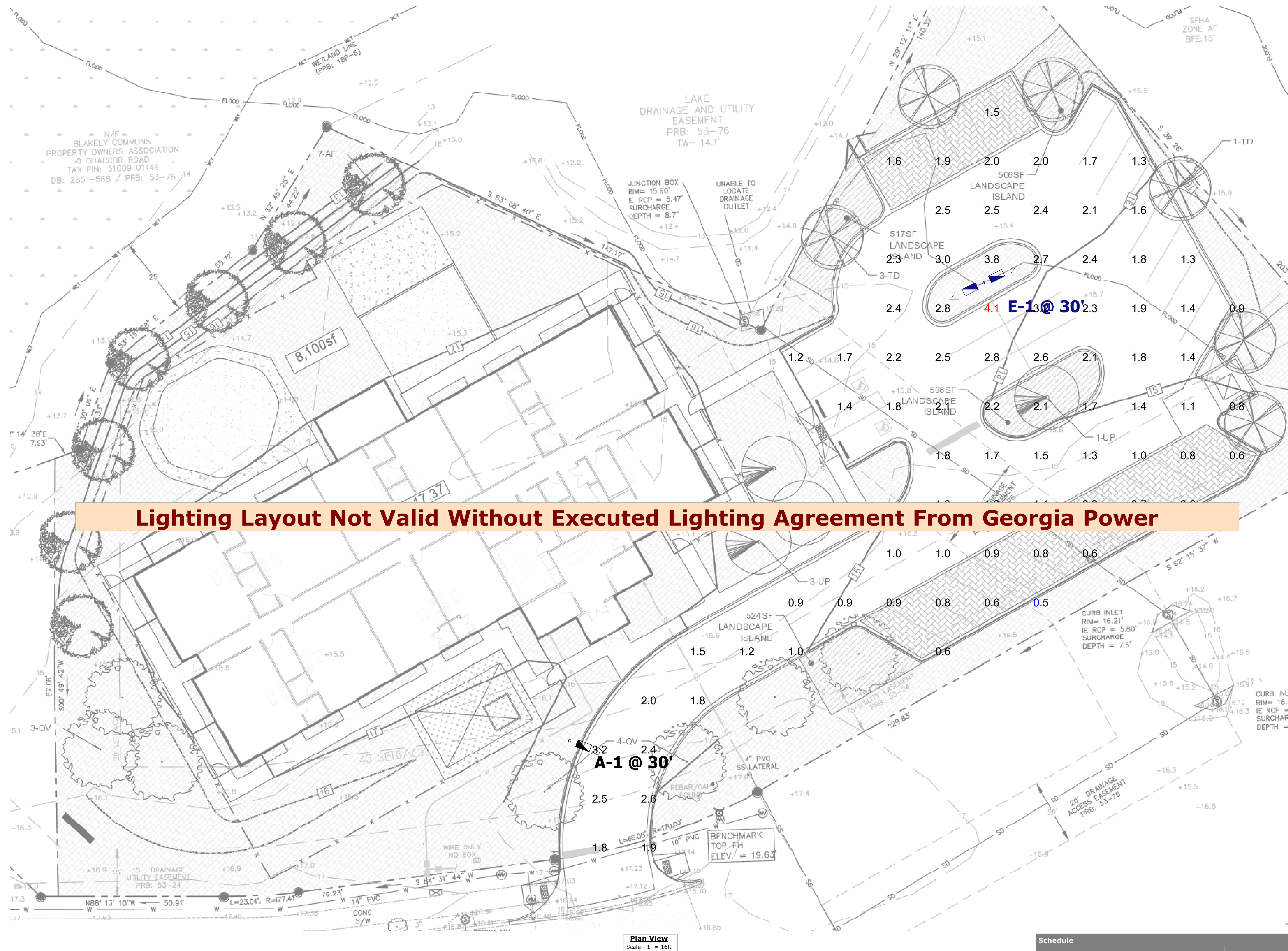
NOT TO SCALE

SHEET NO.

C.d5

933-23-01

PROJECT NO.



Lighting Layout Not Valid Without Executed Lighting Agreement From Georgia Power

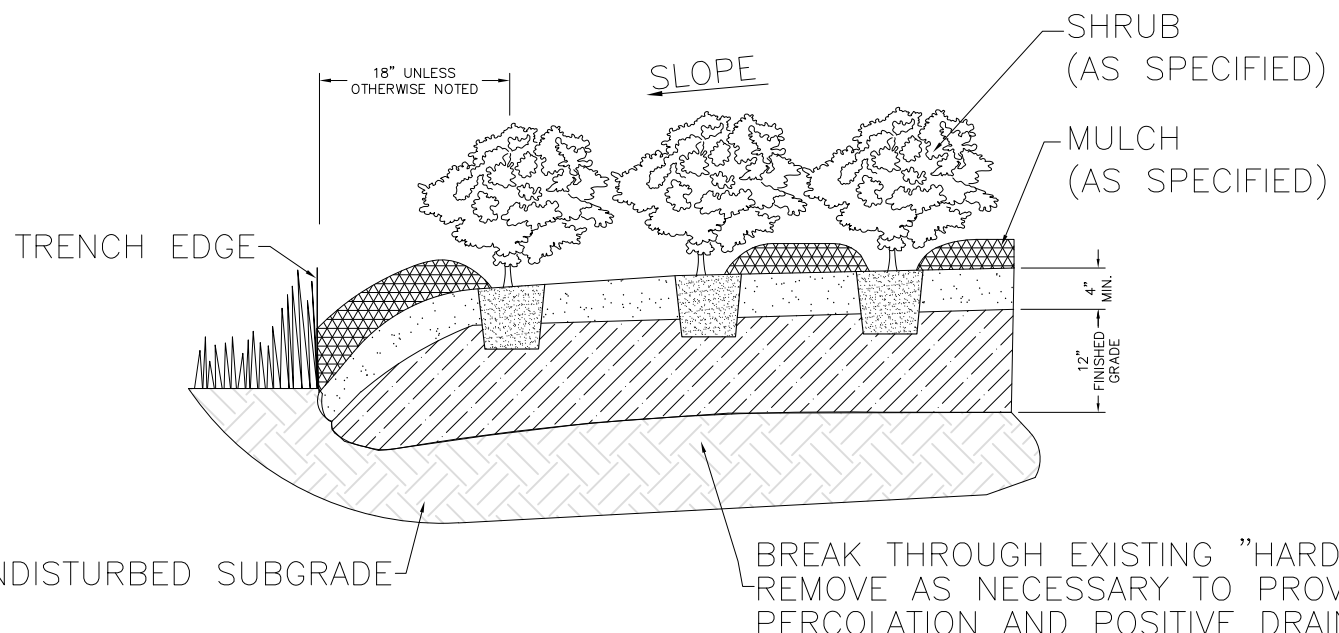
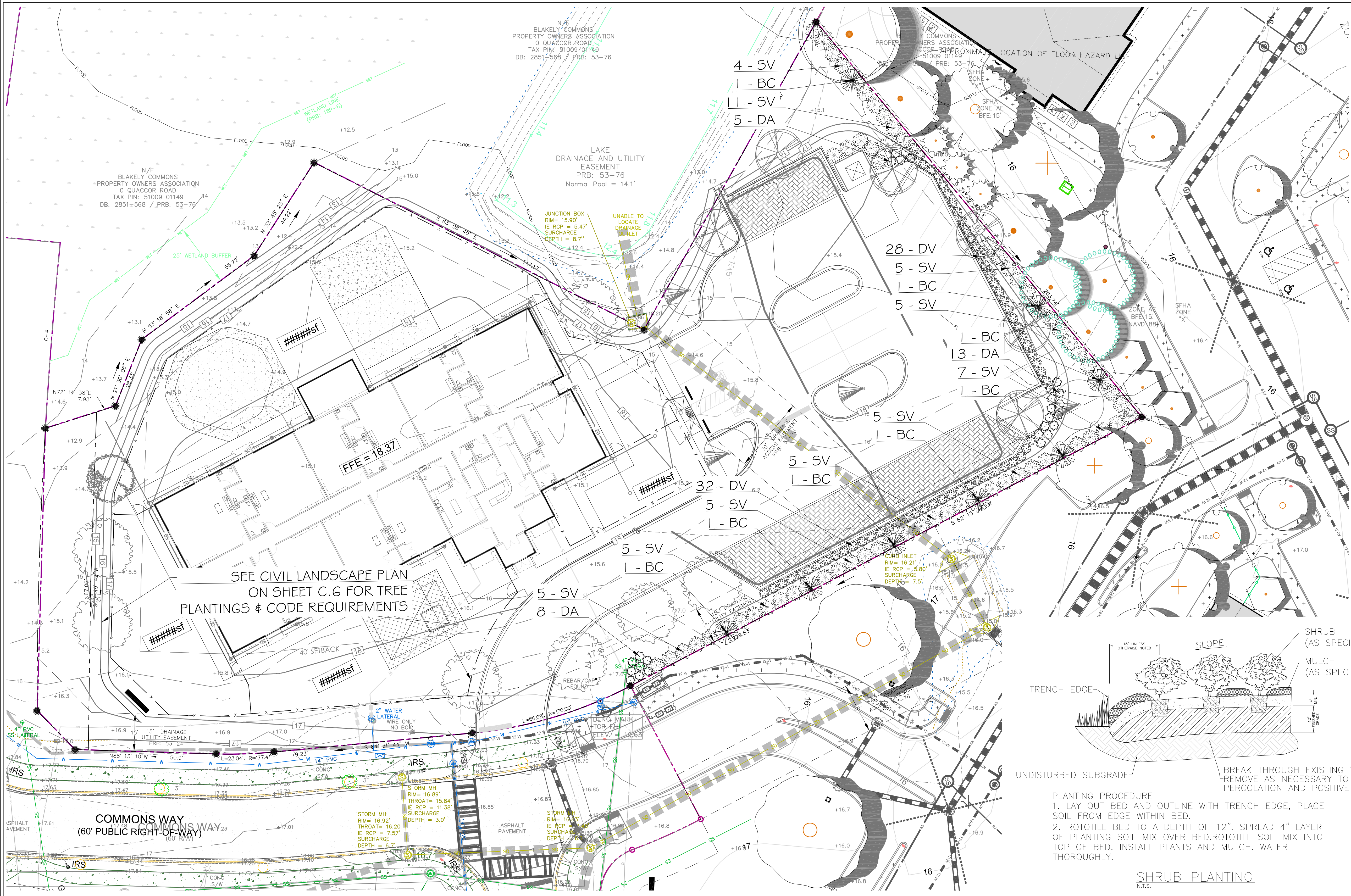
Schedule						
Symbol	Label	QTY	Catalog Number	Description	LLF	Wattage
	A	1	ARCH-L-PA3-180-740-U-T4W	ARCHEON-L ROADWAY AND AREA LUMINAIRE (3) 70 CRI, 4000K, 775mA LIGHT ENGINES WITH 24 LEDS AND TYPE IV WIDE OPTICS	0.912	181
	E	1	ARCH-L-PA3-180-740-U-SWQ	ARCHEON-L ROADWAY AND AREA LUMINAIRE (3) 70 CRI, 4000K, 775mA LIGHT ENGINES WITH 24 LEDS AND TYPE V WIDE OPTICS	0.912	362

Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Calc Zone #1	+	1.7 fc	4.1 fc	0.5 fc	8.2:1	3.4:1

- Notes**
- Readings are shown in units of maintained footcandles.
 - Total Light Loss Factor (LLF) = .912 LLF for LED
 - Test Plane = 0' Above grade
 - Fixture Mounting Height = See Plan view.
 - Fixture Spacing = See Plan view.
 - This photometric layout was calculated using specific criteria. Any deviation from stated parameters will affect actual performance.
 - These lighting calculations are not a substitute for independent engineering analysis of lighting system suitability and safety.

Disclaimer
This lighting design is not a professional engineering drawing and is provided for informational purposes only, without warranty as to accuracy, completeness, reliability or otherwise. Frazier Photometrics is not responsible for specifying the lighting or illumination requirements for any specific project. It is the obligation of the end-user to consult with a professional engineering advisor to determine whether this lighting design meets the applicable project requirements for lighting system performance, safety, suitability and effectiveness for use in a particular application. End-user environment and application (including, but not limited to, voltage variation and dirt accumulation) can cause actual field performance to differ from the calculated photometric performance represented in this lighting design. In no event will Frazier Photometrics be held responsible for any loss resulting from any use of this lighting design.

Designer
KF
Date
7/24/2024
Scale
As Shown
Drawing No.
S44524A1
Summary



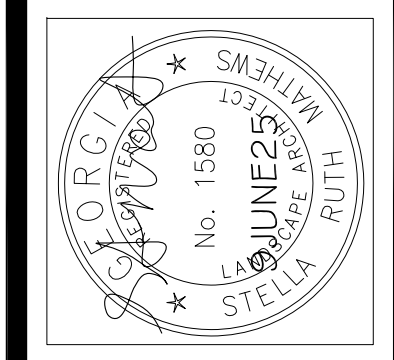
PLANTING PROCEDURE
1. LAY OUT BED AND OUTLINE WITH TRENCH EDGE, PLACE SOIL FROM EDGE WITHIN BED.
2. ROTOTILL BED TO A DEPTH OF 12". SPREAD 4" LAYER OF PLANTING SOIL MIX OVER BED. ROTOTILL SOIL MIX INTO TOP OF BED. INSTALL PLANTS AND MULCH. WATER THOROUGHLY.

SHRUB PLANTING
N.T.S.

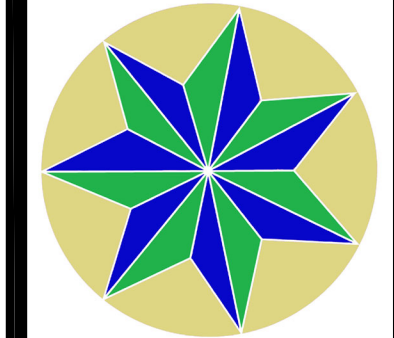
PLANT SCHEDULE

ABRV.	QTY.	COMMON NAME	BOTANICAL NAME	SIZE	HEIGHT	SPREAD	NOTES
BC	8	BRODIE CEDAR	Juniperus virginiana 'Brodie'	15 gal.	5'-6"	18"-24"	
SV	57	SWEET VIBURNUM	Viburnum odorotissimum	7 gal.	24"-36"	20"-24"	
DV	60	DWARF VIBURNUM	Viburnum obovatum 'Walter's Whorled Class'	3 gal.	12"-18"	12"-18"	
DA	26	DWARF ABELIA	Abelia x grandiflora 'Rose Creek'	3 gal.	12"-18"	12"-18"	

LANDSCAPE NOTES:
1) CONTRACTOR TO REFERENCE CIVIL LANDSCAPE PLAN FOR TREE PLANTING AND STAKING.



Atlantic Star LLC.
Landscape Architecture/Living Roofs
101 Winchester Dr., Savannah, GA 31410 P: 912.398.6662 F: 912.335.3447



DESIGNED	SRM
DRAWN	SRM
CHECKED	SRM

DATE:	6/9/25
JOB NO.	
SCALE:	1" = 20'-0"

FELC247
FOUNDATIONS AT BLAKELY COMMONS
OLD QUACCORD & COMMONS WAY, POOLER, GEORGIA 31322
FOR
SUNSHINE HOUSE INC.
PARKING AND BUFFER LANDSCAPE EXHIBIT

