JACKSON COUNTY AIRPORT- TERMINAL AREA DEVELOPMENT

JACKSON COUNTY GOVERNMENT
500 Sky Harbor Way, Jefferson, GA 30549

CONSTRUCTION DOCUMENTS

GOODWYN MILLS CAWOOD, LLC	ARCHITECTURE, INTERIORS, CIVIL, ELECTRICAL, LANDSCAPE
PES STRUCTURAL ENGINEERS	STRUCTURAL ENGINEERING
MATHESON BALL AND ASSOCIATES	MECHANICAL & PLUMBING ENGINEERING

ALPHA SITE SET 10-29-2024

GMC
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6120 Powers Ferry Road NW, Suite 200
Atlanta, GA 30339
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ISSUE | DATE
CONSTRUCTION DOCUMENTS | 1/29/24

DRAWN BY: KP
CHECKED BY: MN

JACKSON COUNTY AIRPORT- TERMINAL AREA DEVELOPMENT
500 Sky Harbor Way, Jefferson, GA

GMC # AATL230012

TITLE SHEET

T1

1/30/2024 8:23:33 AM TEMPLATE VERSION: 2022.1

DRAWING INDEX

DWG. NO.	DRAWING NAME	ORIG. DATE
0.0 GENERAL		
T1	TITLE SHEET	1/29/24
G1.01	DRAWING INDEX	1/29/24
G1.02	GENERAL NOTES	1/29/24
G1.03	GENERAL INFORMATION	1/29/24
G1.11	ACCESSIBILITY DATA	1/29/24
G1.12	ACCESSIBLE PLUMBING LAYOUTS	1/29/24
G1.21	PARTITION TYPES	1/29/24
G1.22	PARTITION DETAILS	1/29/24
G2.00	LIFE SAFETY - CODE ANALYSIS	1/29/24
G2.01	LIFE SAFETY PLAN	1/29/24
1.0 CIVIL		
C-001	GENERAL NOTES	1/29/24
C-002	CONSTRUCTION SAFETY AND PHASING PLAN	1/29/24
C-003	CONSTRUCTION SAFETY AND PHASING PLAN DETAILS	1/29/24
C-101	EXISTING CONDITIONS AND DEMO PLAN	1/29/24
C-102	SITE PLAN	1/29/24
C-103	GRADING AND DRAINAGE PLAN	1/29/24
C-201	TYP. SECTIONS	1/29/24
C-202	PARKING GEOMETRIC PLAN	1/29/24
C-301	CONSTRUCTION DETAILS	1/29/24
C-302	CONSTRUCTION DETAILS	1/29/24
C-405	EROSION DETAILS	1/29/24
2.0 LANDSCAPE		
L1.01	PLANTING PLAN	1/29/24
L2.01	LANDSCAPE DETAILS	1/29/24
3.0 ARCHITECTURE		
A1.01	FLOOR PLAN	1/29/24
A1.20	ENLARGED PLANS - RESTROOMS	1/29/24
A1.21	PLAN & ARCH COLUMN DETAILS	1/29/24
A2.01	REFLECTED CEILING PLAN	1/29/24
A3.01	UPPER ROOF PLAN	1/29/24
A3.03	ROOF DETAILS	1/29/24
A4.01	EXTERIOR ELEVATIONS	1/29/24
A5.01	BUILDING SECTIONS	1/29/24
A5.11	WALL SECTIONS	1/29/24
A5.12	WALL SECTIONS	1/29/24
A5.21	SECTION & EXT DOOR/WIN DETAILS	1/29/24
A6.01	DOOR SCHEDULE, LEGEND, NOTES & INT DOOR/WINDOW DETAILS	1/29/24
A6.11	GLAZING & LOUVER SCHEDULES	1/29/24
A7.01	INTERIOR ELEVATIONS	1/29/24
A7.11	MILLWORK DETAILS	1/29/24
A8.01	FINISH LEGEND & SCHEDULE	1/29/24
A8.02	FINISH PLAN	1/29/24
A3.02	LOWER ROOF PLAN	1/29/24
4.0 STRUCTURAL		
S0.01	GENERAL NOTES & SCHEDULES	1/29/24
S0.02	CONCRETE GENERAL NOTES & SCHEDULES	1/29/24
S0.03	STEEL AND COLD FORMED STEEL FRAMING GENERAL NOTES & SCHEDULES	1/29/24
S1.01	FOUNDATION PLAN- LEVEL 1	1/29/24
S2.01	ROOF FRAMING PLAN	1/29/24
S3.01	FOUNDATION DETAILS	1/29/24
S3.11	SLAB- ON- GROUND DETAILS	1/29/24
S5.01	BRACE ELEVATIONS	1/29/24
S5.02	STEEL CONNECTION DETAILS	1/29/24
S5.31	STEEL ROOF FRAMING DETAILS- CFSF	1/29/24
S5.32	STEEL ROOF FRAMING DETAILS- CFSF	1/29/24
5.0 MECHANICAL		
M1.01	HVAC- FLOORPLAN	1/29/24
M1.02	HVAC- SCHEDULES	1/29/24
M1.03	HVAC- DETAILS	1/29/24
6.0 PLUMBING		
P0.01	PLUMBING LEGEND, NOTES & SCHEDULES	1/29/24
P1.01	PLBG- SW & V PLAN & ENLARGED PLAN& RISER	1/29/24
P2.01	PLBG- H & CW PLAN & ENLARGED PLAN& RISER	1/29/24
P3.01	PLUMBING DETAILS	1/29/24
7.0 ELECTRICAL		
E0.01	ELECTRICAL SITE PLAN	1/29/24
E1.01	ELECTRICAL POWER FLOORPLAN	1/29/24
E2.01	ELECTRICAL LIGHTING CEILING PLAN	1/29/24
E3.01	ELECTRICAL AUXILIARY PLAN	1/29/24
E4.01	ELECTRICAL MECHANICAL POWER PLAN	1/29/24
E5.01	ELECTRICAL DETAILS	1/29/24
E5.02	ELECTRICAL DETAILS	1/29/24
E5.03	ELECTRICAL DETAILS	1/29/24
E5.04	ELECTRICAL DETAILS	1/29/24
E5.05	ELECTRICAL DETAILS	1/29/24
E6.01	POWER RISER DIAGRAM, DETAILS & SCHEDULES	1/29/24
E6.02	PANEL SCHEDULES	1/29/24
GE0.01	ELECTRICAL LEGENDS & NOTES	1/29/24

72

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G1.01

GENERAL NOTES

1. ALL WORK DESCRIBED, SHOWN, REFERENCED, OR OTHERWISE INDICATED IN OR ON THE DRAWINGS, PROPOSAL, ADVERTISEMENT AND SPECIFICATIONS ARE TO BE COMPLETED IN-PLACE AND SERVICEABLE ACCORDING TO THE PLANS, INSTRUCTIONS, SPECIFICATIONS, LINES AND GRADES INDICATED ON THE PLANS AND ALL APPLICABLE STATE, FEDERAL, AND MUNICIPAL CODES AND STANDARDS. INDIVIDUAL ITEMS OF WORK THAT ARE NECESSARY TO COMPLETE THE PROJECT TO THE LINES AND GRADES, WHETHER SHOWN OR DESCRIBED IN THE PLANS AND SPECIFICATIONS, ARE TO BE CONSIDERED INCIDENTAL AND ARE THE RESPONSIBILITY OF THE CONTRACTOR.

2. THE CONTRACTOR IS EXPECTED TO CAREFULLY EXAMINE THE PLANS, PROJECT MANUAL AND SITE OF THE WORK. THEREFORE, IT WILL BE ASSUMED THAT THE BIDDER HAS SATISFIED HIMSELF AS TO THE CONDITIONS TO BE ENCOUNTERED IN REGARDS TO THE CHARACTER, QUALITY, AND QUANTITIES OF WORK TO BE PERFORMED AND MATERIALS TO BE FURNISHED, AND AS TO THE REQUIREMENTS OF THE PLANS, SPECIFICATIONS AND CONTRACT. THE SUBMISSION OF A PROPOSAL BY A BIDDER WILL BE CONSIDERED PRIMA FACIE EVIDENCE THAT THE BIDDER HAS MADE SUCH AN EXAMINATION.

3. THE WORK ON THIS PROJECT SHALL ADHERE TO THE FOLLOWING SPECIFICATIONS, STANDARDS AND/OR REGULATIONS:

-ENVIRONMENTAL PROTECTION DIVISION, GEORGIA (EPD) AND THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (EPA) -- "BEST MANAGEMENT PRACTICES MANUAL" AND THE REQUIREMENTS OF THE SITE SPECIFIC NPDES DISCHARGE PERMIT ISSUED FOR THIS PROJECT.
-GEORGIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION (LATEST EDITION) .
-JACKSON COUNTY STANDARDS AND SPECIFICATIONS.
-CITY OF JEFFERSON STANDARDS AND SPECIFICATIONS.
-THE DRAWINGS AND SPECIFICATIONS.
-APPLICABLE FAA STANDARDS AND SPECIFICATIONS/ADVISORY CIRCULARS INCLUDING, BUT MAY NOT BE LIMITED TO:
-150/5210-5, 150/5340-18, 150/5340-1, 150/5370-2G, 150/5220-23, AND FEDERAL SPECIFICATIONS KKK-A-1822.

*IF CONFLICTS ARISE BETWEEN THESE REQUIREMENTS, THE MORE STRINGENT SHALL APPLY.

4. THE CONTRACTOR IS RESPONSIBLE FOR HAVING ALL EXISTING UTILITIES LOCATED PRIOR TO CONSTRUCTION, INCLUDING STUBOUTS. EXISTING UTILITIES SHOWN HAVE BEEN DRAWN USING THE BEST AVAILABLE INFORMATION AND HAVE NOT BEEN FIELD VERIFIED. ALL EXISTING UTILITIES TO BE UNCOVERED AND VERIFIED AS TO SIZE, LOCATION, ELEVATION AND CONDITION PRIOR TO COMMENCEMENT OF CONSTRUCTION.

5. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANIES CONCERNING CONFLICTS, RELOCATION, REMOVAL, AND INTERRUPTIONS OF SERVICE.

6. THE CONTRACTOR IS RESPONSIBLE FOR ALL COST ASSOCIATED WITH REMOVING AND/OR RELOCATING EXISTING UTILITIES AND STRUCTURES TO CONSTRUCT THE IMPROVEMENTS SHOWN IN THESE PLANS. THE CONTRACTOR SHALL NOT RECEIVE ADDITIONAL COMPENSATION FOR REMOVING AND/OR RELOCATING ANY EXISTING ITEMS, WITHIN THE LIMITS OF WORK.

7. THE CONTRACTOR IS RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH ALL PERMITS FOR THIS PROJECT. THE CONTRACTOR SHALL BE IN POSSESSION OF ALL REQUIRED PERMITS PRIOR TO ANY CONSTRUCTION EFFORTS.

8. ANY CHANGES OR REVISIONS MADE TO THE SITE PLANS SHALL BE SUBMITTED FOR APPROVAL TO THE CITY OF JEFFERSON AND ALL OTHER PERTINENT AGENCIES.

9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE EXTENT, LOCATION AND ELEVATION OF THE EXISTING IMPROVEMENTS. IF ANY SIGNIFICANT DIFFERENCE IN SITE CONDITION OR ELEVATION IS FOUND, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY.

10. SEE THE REPORT OF GEOTECHNICAL INVESTIGATION PERFORMED BY GOODWYN MILLS CAWOOD, LLC., DATE AUGUST 25, 2022 FOR GENERAL EARTHWORK AND PAVEMENT EVALUATIONS AND RECOMMENDATIONS. SPECIFIC CONSTRUCTION CONCERNS AND ACTUAL CONSTRUCTION MEANS AND METHODS ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND FAMILIARIZING HIMSELF WITH THE INVESTIGATION AND THE EVALUATIONS AND RECOMMENDATIONS CONTAINED THEREIN.

11. ALL DIMENSIONS SHOWN ARE TO FACE OF CURB, CENTER OF STRIPE, FACE OF BUILDING OR AS SPECIFIED IN THE PLANS.

12. THE CONTRACTOR SHALL COORDINATE THE ELECTRICAL CONNECTION POINT, SERVICE, SIZE, POLE LOCATIONS, AND TRANSFORMER LOCATIONS WITH THE SERVICE PROVIDER PRIOR TO CONSTRUCTION ACTIVITIES.

13. THE CONTRACTOR SHALL PAY ALL CONNECTION COSTS AND FEES, INCLUDING BUT NOT LIMITED TO TAPPING FEES, METER COSTS, SETTING CHARGES, AND CONNECTION CHARGES.

14. IF BLASTING IS REQUIRED, THE CONTRACTOR WILL NEED PRIOR BE RESPONSIBLE FOR ALL PRE-BLAST SURVEYS AND ANY INCIDENTS ASSOCIATED WITH THE BLASTING.

15. ALL EXISTING AND NEW STORM DRAINAGE INLETS, STRUCTURES, AND PIPES SHALL BE CLEANED OF TRASH AND SEDIMENTS ON A REGULAR BASIS, WEEKLY AT A MINIMUM, SO AS NOT TO ALLOW DOWNSTREAM POLLUTION OF RECEIVING WATERS OR THE ESCAPING OF SEDIMENTS OFF SITE.

16. THE CONTRACTOR WILL BE RESPONSIBLE FOR TEMPORARY DIVERSION BERMS AND/OR DITCHES AND SHALL BE PROVIDED AS REQUIRED DURING CONSTRUCTION TO PROTECT WORK AREAS FROM UPSLOPE RUNOFF AND/OR TO DIVERT SEDIMENT-LADEN WATER TO APPROPRIATE TRAPS OR STABLE OUTLETS. THIS TEMPORARY DRAINAGE OF RUNOFF IS CONSIDERED INCIDENTAL TO THE BID.

17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING DUST TO A MINIMUM THROUGH THE USE OF WATER TRUCKS OR OTHER DUST CONTROLLING METHODS THROUGHOUT THE CONSTRUCTION PERIOD.

18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING EROSION AND SILTATION OFF OF ADJACENT AND DOWNSTREAM PROPERTIES AND/OR ADJOINING SITES. AT HIS EXPENSE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF SEDIMENTS AND DEBRIS ESCAPING THIS PROJECT SITE, THE REMEDIATION AND/OR REPAIR OF ANY DAMAGE THAT MAY OCCUR AS A RESULT TO ADJOINING AND/OR DOWNSTREAM AFFECTED PROPERTIES OR OFFSITE STRUCTURES, AND ANY FINES OR PENALATIES LEVIED AGAINST THE PROJECT BY REGULATORY AGENCIES DUE TO DEFICIENCIES OF CONTROL MEASURES.

19. ALL DISTURBED AND REGRADED AREAS NOT TO BE PAVED SHALL RECEIVE TOPSOIL AND BE SEEDED AND MULCHED ACCORDING TO GDOT, PERMANENT SEEDING SCHEDULES, COVERED WITH SOLID SOD, OR AS SHOWN ON THE LANDSCAPE PLAN (IF ANY). LOCALIZED EROSION AND RILLS SHALL BE REPAIRED AS NECESSARY AT THE CONTRACTORS EXPENSE. AREAS TO BE SEEDED SHALL RECEIVE 4" OF TOPSOIL AND AREAS TO BE SODDED SHALL RECEIVE 2" (MIN.) OF TOPSOIL. ACCOUNT FOR THICKNESS OF TOPSOIL WITH RESPECT TO FINISHED GRADES.

20. THE CONTRACTOR MUST ADJUST ALL VALVE BOXES, COVERS, METERS, MANHOLE RIMS, AND OTHER WATER, STORM, POWER, TELECOMMUNICATIONS AND SANITARY SEWER SERVICE APPURTENANCES TO FINAL GRADE. THE COST OF THESE ADJUSTMENTS SHALL BE INCLUDED IN THE BID.

21. THESE PLANS HAVE NOT BEEN APPROVED BY ALL OF THE REGULATORY AGENCIES AT THIS TIME. THE CONTRACTOR SHALL ANTICIPATE REVISIONS AND/OR DELAYS ASSOCIATED WITH OBTAINING PLAN APPROVAL. THE CONTRACTOR SHALL NOT RECEIVE ADDITIONAL COMPENSATION FOR SAID DELAYS.

22. ALL UTILITY BORES SHALL BE A MINIMUM OF 4 FT DEEP. ANY DAMAGE TO EXISTING STREETS OR DRIVES RESULTING FROM A UTILITY BORE SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.

23. THE CONTRACTOR WILL BE RESPONSIBLE FOR REPAIR TO PUBLIC AND PRIVATE ROADS CAUSED BY HIS ACTIVITIES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MEET WITH PRIVATE ENTITIES, STATE, CITY AND COUNTY OFFICIALS TO AGREE UPON AND RECORD THE CONDITIONS OF THE ROADS BEFORE CONSTRUCTION COMMENCES.

24. ALL PAVING WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF GDOT'S STANDARDS AND SPECIFICATIONS. ALL STRIPING AND SIGNAGE SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MUTCD.

25. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE THE CONSTRUCTION SEQUENCE OF ALL UNDERGROUND UTILITIES WITH THE BUILDING FOOTINGS/FOUNDATIONS, RETAINING WALLS, COLUMNS, STEPS, LIGHT POLES, INLETS, MANHOLES AND ALL OTHER ABOVE OR BELOW GRADE IMPROVEMENTS.

26. THE CONTRACTOR SHALL INCLUDE IN HIS BID ALL COSTS ASSOCIATED WITH SHORING/STABILIZING EXISTING UTILITIES DURING CONSTRUCTION OF THE PROPOSED IMPROVEMENTS.

27. THE CONTRACTOR IS RESPONSIBLE FOR THE COST OF ANY AND ALL WATER AND SANITARY SEWER FEES, TAPPING FEES, CONNECTION FEES, ETC.

28. THE CONTRACTOR SHALL PROVIDE THE OWNER AND ENGINEER WITH AN AS-BUILT SURVEY OF THE SANITARY SEWER LINE, STORM SEWER SYSTEM AND POND. THE SURVEY SHALL INCLUDE ALL PIPES, MANHOLES, STORM SEWER STRUCTURES, POND OUTLET STRUCTURE, SPILLWAYS AND THE POND. THE SURVEY SHALL BE PERFORMED ON THE SAME DATUM AND COORDINATE SYSTEM OF THESE PLANS. THE SURVEY SHALL BE PREPARED IN ACCORDANCE WITH THE STANDARDS OF PRACTICE AND STAMPED BY A SURVEYOR LICENSED IN THE STATE OF GEORGIA.

29. THE CONTRACTOR SHALL PLACE SANITARY SEWER CLEANOUTS A MAXIMUM OF 75 FEET ON CENTER ALONG THE SANITARY SEWER LATERALS.

30. ALL PIPES SHALL BE INSTALLED PER THE PLANS, SPECIFICATIONS, GEOTECHNICAL REPORT AND MANUFACTURERS SPECIFICATIONS, IF CONFLICTS ARISE THE MORE STRINGENT SHALL APPLY.

31. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ASSURING ALL TRENCH EXCAVATIONS FOR THIS PROJECT ARE IN ACCORDANCE WITH OSHA REGULATIONS.

32. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL INVERT ELEVATIONS, PERCENT OF GRADE, PIPE SIZES, ETC. AS THE IMPROVEMENTS ARE INSTALLED. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING SANITARY SEWER GRADES FOR COMPLIANCE WITH THE MINIMUM REQUIREMENTS PRIOR TO FINAL GRADING AND PAVING OPERATIONS.

33. IT IS THE CONTRACTOR'S RESPONSIBILITY TO SATISFY HIMSELF OF THE ACCURACY OF THE SURVEY INFORMATION PRIOR TO COMMENCING CONSTRUCTION.

GRADING AND DRAINAGE NOTES:

1. UNSTABLE AND PUMPING SUB GRADE CONDITIONS MAY OCCUR DURING SITE PREPARATION AND UNDERCUTTING OPERATIONS. PROPER PROTECTION OF SUB GRADE, DRAINAGE AND DEWATERING WILL BE CRITICAL TO SITE CONSTRUCTION EFFORTS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MINIMIZE EQUIPMENT TRAFFIC ACROSS THE SITE. EVERY EFFORT SHALL BE MADE TO LOCALIZE EQUIPMENT STAGING AND TRAFFIC TO SPECIFIC AREAS AND LIMIT THE AMOUNT OF UNDERCUTTING AND SOIL STABILIZATION THAT MAY BE NEEDED. THE CONTRACTOR SHALL REFER TO THE GEOTECHNICAL REPORT FOR FURTHER RECOMMENDATIONS.

2. ALL DRAINAGE STRUCTURES, INLETS BOXES, MANHOLES, ETC. SHALL BE POURED IN PLACE OR PRE CAST CONCRETE AS REQUIRED.

3. BRICK WILL ONLY BE ALLOWED TO ADJUST GRADE ON STORM MANHOLES. THE MAXIMUM ALLOWABLE HEIGHT OF BRICK SHALL BE 11 INCHES.

4. ALL DRAINAGE STRUCTURES, INLET BOXES, AND CATCH BASINS SHALL HAVE 2" WEEP HOLES FORMED, OR DRILLED, ON ALL SIDES WHERE DRAINAGE PIPES DO NOT INTERFERE WITH THEM. ALL WEEP HOLES SHALL HAVE GRAVEL WRAPPED WITH FILTER FABRIC AT THEIR INTERFACE WITH BACK FILL TO AID GROUNDWATER FLOW TO THE WEEP HOLE.

5. ALL GRADING OPERATIONS SHALL BE MONITORED BY A QUALIFIED GEOTECHNICAL CONSULTANT AS CHOSEN AND PAID FOR BY THE OWNER, THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING SAID CONSULTANT IN ADVANCE OF ALL REQUIRED TESTING AND SECURING COPIES OF RESULTING REPORTS.

6. ALL EXCESS EXCAVATION CREATED BY GRADING OPERATIONS SHALL BE REMOVED AND LEGALLY DISPOSED OF OFF SITE.

7. ALL SPOT ELEVATIONS SHOWN REFLECT ELEVATIONS AT GUTTER LINE, ASPHALT, OR FINISHED GROUND ELEVATION, UNLESS OTHERWISE NOTED. TOP AND BOTTOM ELEVATIONS FOR RETAINING WALLS (IF ANY) REPRESENT THE FINISHED GROUND ELEVATION AT THE WALL, NOT FOOTINGS, RAILINGS ETC.

8. ALL STORM DRAINAGE PIPE LABELED "RCP" SHALL BE CLASS 3 MINIMUM REINFORCED CONCRETE PIPE WITH TYPE 1, 2 OR 3 BEDDING UNLESS SPECIFICALLY SHOWN OTHERWISE IN THE PLANS. IF ANOTHER TYPE OF PIPE IS SPECIFIED, BEDDING AND BACKFILL SHALL BE AS PER LATEST GDOT STANDARDS AND SPECS.

9. ALL REINFORCED CONCRETE STORM SEWER PIPE JOINTS SHALL BE WRAPPED WITH FILTER CLOTH. THE PIPE DOWNSTREAM OF THE POND OUTLET SHALL HAVE WATER TIGHT JOINTS.

10. ALL EXISTING AND NEW STORM DRAINAGE INLETS, STRUCTURES, AND PIPES SHALL BE CLEANED OF TRASH AND SEDIMENTS ON A REGULAR BASIS, WEEKLY AT A MINIMUM, SO AS NOT TO ALLOW DOWNSTREAM POLLUTION OF RECEIVING WATERS OR THE ESCAPING OF SEDIMENTS OFF SITE.

ITEM No.	SPEC NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT OF MEASURE
1.	151-1000	MOBILIZATION	1	LS
2.	202-1000	CLEARING AND GRUBBING	6.0	AC
3.	P-152-401-01	UNCLASSIFIED EXCAVATION	3,432.0	CY
4.	P-152-405-01	BORROW EXCAVATION	2,252	CY
		Paving		
5.	310-5080	GR AGGR BASE CRS, 8 INCH, INCL MATL	6,352	SY
6.	402-3190	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL POLYMER MODIFIED BITUM MATL & H LIME (2 IN LIFT)	610	TN
7.	402-3103	RECYCLED ASPH CONC 9.5 MM SUPERPAVE, TYPE II, GP 2 ONLY, INCL BITUM MATL & H LIME (2 INCH LIFT)	610	TN
8.	412-1000	BITUMINOUS PRIME	1,053.0	GL
9.	413-0750	TACK COAT	278	GL
10.	441-0104	CONC SIDEWALK, 4 IN	284	SY
11.	441-5002	CONCRETE HEADER CURB, 6 IN, TP 2	806	LF
12.	652-0095	PAVEMENT MARKING, HANDICAP SYMBOL	2	EA
13.	652-5451	SOLID TRAFFIC STRIPE, 5 IN, WHITE	718	LF
14.	652-5452	SOLID TRAFFIC STRIPE, 5 IN, YELLOW	230	LF
		Drainage		
15.	500-3800	CLASS A CONCRETE, INCL REINF STEEL (HEADWALL, 18 IN)	2	CY
16.	550-1180	STORM DRAIN PIPE, 18 IN, H 1-10	319	LF
17.	550-1360	STORM DRAIN PIPE, 36 IN, H 1-10	439	LF
18.	550-4118	FLARED END SECTION 18 IN, SIDE DRAIN	1	EA
19.	D-44	POND OUTLET STRUCTURE	1	EA
20.	610-5715	REM CATCH BASIN, DROP INLET, OR JCT BOX	1	EA
21.	668-2100	DROP INLET, GP 1 (PEDESTAL TOP)	3	EA
		Erosion Control		
22.	163-0232	TEMPORARY GRASSING	3	AC
23.	163-0240	MULCH	430	TN
24.	163-0301	CONSTRUCT AND REMOVE CONSTRUCTION EXITS	1	EA
25.	163-0529	CONSTRUCT AND REMOVE TEMPORARY STONE CHECK DAMS	48	LF
26.	163-0001	STORM DRAIN OUTLET PROTECTION	25	SY
27.	163-0550	CONSTRUCT AND REMOVE INLET SEDIMENT TRAP	6	EA
28.	165-0030	MAINTENANCE OF TEMPORARY SILT FENCE, TP C	1,656	LF
29.	163-0542	FILTER RING	1	EA
30.	D-22B	FLOATING SURFACE SKIMMER	1	EA
31.	165-0105	MAINTENANCE OF INLET SEDIMENT TRAP	6	EA
32.	700-6910	PERMANENT GRASSING	3	AC
33.	708-1000	PLANT TOPSOIL	492	CY
		Utility		
34.	610-0215	REM CHAIN LINK FENCE, 6 FT W/BARBED WIRE & EXT ARMS & GATES	827	LF
35.	660-1905	GATE VALVE, 2 IN	1	EA
36.	660-2042	SEWER LATERAL (CLEANOUTS INCLUDED)	100	LF
37.	670-3010	TAPPING VALVE	1	EA

NOTE: ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE GEORGIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS CONSTRUCTION OF TRANSPORTATION SYSTEMS, 2021 EDITION, OR AS MODIFIED BY THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BE REQUIRED TO HAVE A COPY OF THE GEORGIA DEPARTMENT OF TRANSPORTATION'S STANDARD SPECIFICATIONS AND CONSTRUCTION STANDARD DETAILS ON THE PROJECT SITE AT ALL TIMES DURING CONDTRUCTION.

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JACKSON COUNTY AIRPORT
NEW TERMINAL
JACKSON COUNTY, GEORGIA

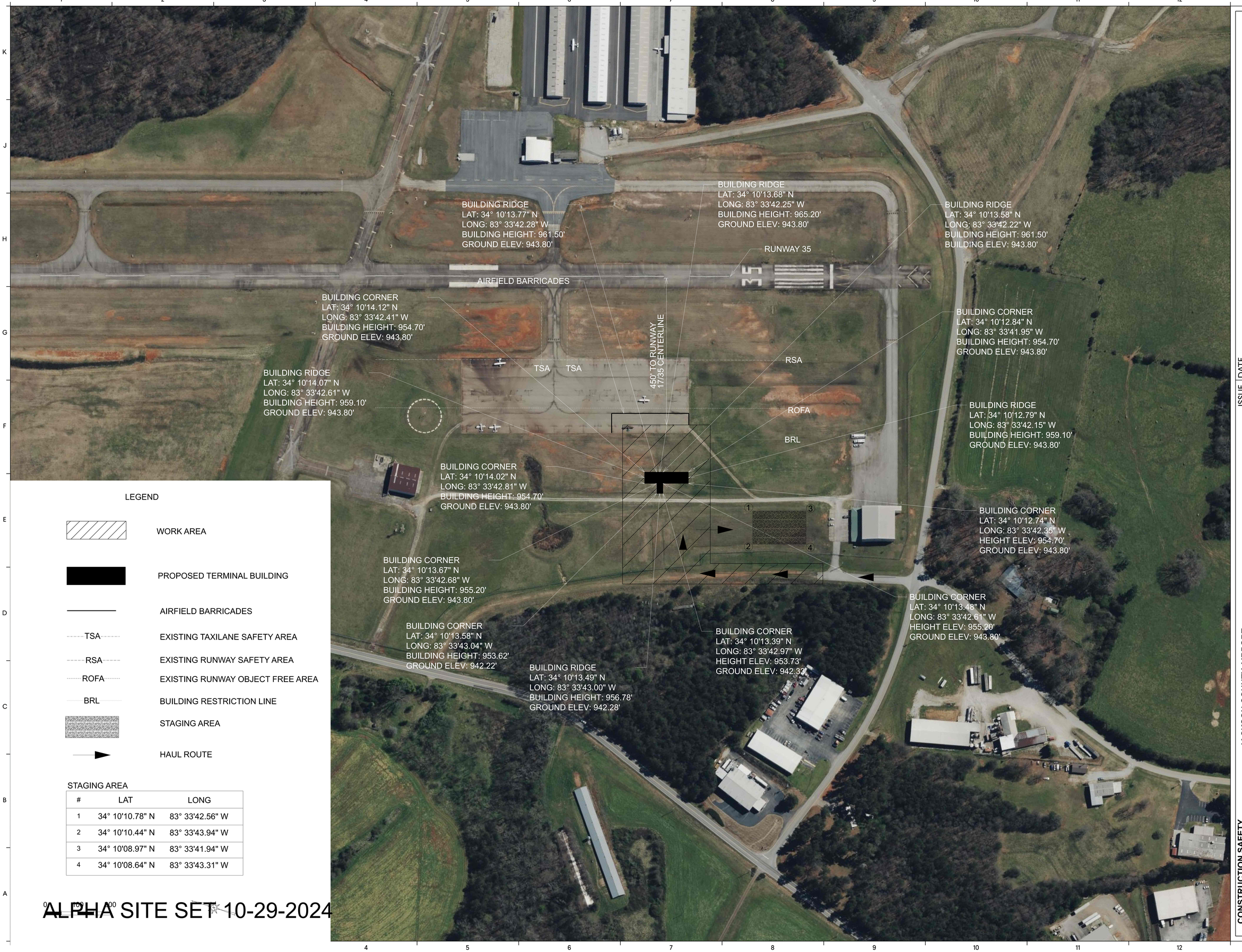
GMC #TATL230006

NOT FOR CONSTRUCTION

GENERAL NOTES

C-001
sheet X of X

1/29/2024 11:02:41 AM TEMPLATE VERSION: 2022.1



LEGEND

- WORK AREA
- PROPOSED TERMINAL BUILDING
- AIRFIELD BARRICADES
- TSA — EXISTING TAXILANE SAFETY AREA
- RSA — EXISTING RUNWAY SAFETY AREA
- ROFA — EXISTING RUNWAY OBJECT FREE AREA
- BRL — BUILDING RESTRICTION LINE
- STAGING AREA
- HAUL ROUTE

STAGING AREA

#	LAT	LONG
1	34° 10'10.78" N	83° 33'42.56" W
2	34° 10'10.44" N	83° 33'43.94" W
3	34° 10'08.97" N	83° 33'41.94" W
4	34° 10'08.64" N	83° 33'43.31" W

0 100 200

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NEW TERMINAL
JACKSON COUNTY, GEORGIA

GMC # TATL230006

NOT FOR CONSTRUCTION

CONSTRUCTION SAFETY AND PHASING PLAN

C-002

sheet X of X

GENERAL NOTES

1. THE PROJECT IS SUBJECT TO ALL INSPECTIONS PROVIDED IN THE CONTRACT DOCUMENTS AND TO INSPECTIONS BY REPRESENTATIVES OF THE AIRPORT, THE CITY OF JEFFERSON, THE FEDERAL AVIATION ADMINISTRATION (FAA), THE GEORGIA ENVIRONMENTAL PROTECTION DIVISION (EPD), THE GEORGIA DEPARTMENT OF TRANSPORTATION (GDOT) AND JACKSON COUNTY.

2. THE CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ACTIVITIES WITH THE ENGINEER.

3. THE CONSTRUCTION EQUIPMENT STORAGE/STAGING AREA IS AS SHOWN. ANY DAMAGES CAUSED BY THE CONTRACTOR'S USE OF THESE AREAS MUST BE REPAIRED TO THE SATISFACTION OF THE OWNER.

4. SUFFICIENT VACUUM TYPE SWEEPERS AND CLEANING EQUIPMENT SHALL BE PROVIDED IN ORDER THAT ALL WASTE, LOOSE MATERIAL, AND DEBRIS CAN BE REMOVED FROM ALL AIRPORT OPERATIONS AREAS. ALL LOOSE MATERIAL SHALL BE COMPLETELY REMOVED FROM PAVED AND TURFED AREAS WITHIN SAFETY AREAS. PAVEMENT CLEANING EQUIPMENT SHALL BE MAINTAINED ON SITE AT ALL TIMES IN SUFFICIENT QUANTITY AND CAPACITY TO CLEAN ALL PAVEMENTS.

5. THE CONTRACTOR MUST VERIFY THE EXACT LOCATION OF EXISTING UNDERGROUND ELECTRICAL CABLES. IN THE EVENT THAT THE CONTRACTOR DAMAGES A CABLE, THE ENGINEER AND THE AIRPORT MUST BE NOTIFIED IMMEDIATELY. THE REPAIR MUST BE STARTED IMMEDIATELY AND CONTINUE UNTIL COMPLETED. ALL SUCH REPAIRS SHALL BE AT THE CONTRACTOR'S EXPENSE AND SHALL BE INSPECTED AND APPROVED BY THE OWNER PRIOR TO BACKFILLING BY THE CONTRACTOR. IF REQUIRED BY THE ENGINEER, THE CONTRACTOR SHALL SUPPLY AND INSTALL A CONCRETE SPLICE MARKER AT ALL APPLICABLE LOCATIONS.

6. THE LOCATION OF ACCESS ROUTES ON THE AIRPORT SITE ARE AS SHOWN AND ARE SUBJECT TO CHANGE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE OFF-SITE ACCESS ROUTES (STATE HIGHWAYS, LOCAL ROADS, OR CITY STREETS) WITH THE APPROPRIATE OWNER HAVING JURISDICTION OVER THE AFFECTED ROUTE. CONTRACTOR PERMISSION TO USE PUBLIC ROADS FOR HAULING AND ACCESS MUST BE OBTAINED FROM THE APPROPRIATE PUBLIC ENTITIES. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ALL NECESSARY PERMITS, APPROVALS, AND BONDING. THE CONTRACTOR MUST DETERMINE WHICH NON-AIRPORT ROADS MUST BE BONDED, AND MUST BOND SUCH ROADS.

7. THE BEFORE AND AFTER CONDITION OF ON-SITE ACCESS ROUTES SHALL BE JOINTLY INSPECTED AND PHOTOGRAPHED BY THE CONTRACTOR AND THE ENGINEER. ON-SITE ACCESS ROUTES SHALL BE MAINTAINED BY THE CONTRACTOR THROUGHOUT CONSTRUCTION AND RESTORED UPON COMPLETION OF CONSTRUCTION IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. FENCING, DRAINAGE, GRADING, E&S CONTROLS, AND OTHER MISCELLANEOUS CONSTRUCTION REQUIRED TO CONSTRUCT ADDITIONAL HAUL ROUTES OR ACCESS POINTS ON THE AIRPORT WILL BE THE CONTRACTOR'S RESPONSIBILITY, AND SHALL BE APPROVED BY THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK. ALL ROADS TO AIRPORT FACILITIES SHALL REMAIN OPEN AND MAINTAINED AT ALL TIMES. ALL CONTRACTOR VEHICLES AND CONSTRUCTION TRAFFIC SHALL REMAIN WITHIN THE DESIGNATED CONSTRUCTION LIMITS OR HAUL ROUTES UNLESS OTHERWISE AUTHORIZED.

8. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF AIRPORT PAVEMENT AND LIGHTING DURING CONSTRUCTION. ALL DAMAGE RESULTING FROM THE CONTRACTOR'S ACTIONS SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE. ANY DELAYS IN REOPENING PORTIONS OF THE AIRPORT DUE TO THIS DAMAGE WILL RESULT IN THE ASSESSMENT OF LIQUIDATED DAMAGES AS SET FORTH IN THE CONTRACT DOCUMENTS.

9. THE CONTRACTOR IS RESPONSIBLE FOR ALL LIGHTING NECESSARY FOR ALL NIGHT OPERATIONS. LIGHTING WILL NEED TO BE DIRECTED OR SHADED TO PREVENT INTERFERENCE WITH AIRCRAFT, THE AIR TRAFFIC CONTROL TOWER, AND OTHER AIRPORT OPERATIONS.

10. OPEN-FLAME WELDING/TORCHES ARE PROHIBITED UNLESS ADEEQUATE FIRE SAFETY PRECAUTIONS ARE PROVIDED AND THE AIRPORT OPERATOR HAS APPROVED THEIR USE.

11. STOCKPILED MATERIALS AND EQUIPMENT STORAGE ARE NOT PERMITTED WITHIN THE RSA, OFZ, RPZ, AND OFA OF AN OPERATIONAL RUNWAY. THE CONTRACTOR MUST ENSURE THAT STOCKPILED MATERIALS AND EQUIPMENT ADJACENT TO THESE AREAS ARE PROMINENTLY MARKED AND LIGHTED DURING HOURS OF RESTRICTED VISIBILITY OR DARKNESS. THIS INCLUDES DETERMINING AND VERIFYING THAT MATERIALS ARE STABILIZED AND STORED AT AN APPROVED LOCATION SO AS NOT TO BE A HAZARD TO AIRCRAFT OPERATIONS AND TO PREVENT ATTRACTION OF WILDLIFE AND FOREIGN OBJECT DAMAGE.

12. CONTRACTOR SHALL PROVIDE CONTROL FOR VEHICLE AND PEDESTRIAN ACCESS ROUTES TO PREVENT INADVERTENT OR UNAUTHORIZED ENTRY OF PERSONS, VEHICLES, OR ANIMALS ONTO THE AIRFIELD. CONTRACTOR MUST PARK AND SERVICE ALL CONSTRUCTION VEHICLES IN AN AREA DESIGNATED BY THE AIRPORT OPERATOR OUTSIDE THE OFZ AND NEVER IN THE SAFETY AREA OF AN ACTIVE RUNWAY OR TAXIWAY. PERSONAL VEHICLES NOT REQUIRED FOR CONSTRUCTION ACTIVITIES ARE NOT ALLOWED ON THE AIRFIELD.

13. CONTRACTOR SHALL CAREFULLY CONTROL AND CONTINUOUSLY REMOVE WASTE OR LOOSE MATERIALS THAT MIGHT ATTRACT WILDLIFE. CONTRACTOR PERSONNEL MUST BE AWARE OF AND AVOID CONSTRUCTION ACTIVITIES THAT CAN CREATE WILDLIFE HAZARDS ON AIRPORTS, SUCH AS TRASH AND STANDING WATER. SEEDING SHALL FOLLOW PROJECT SPECIFICATIONS TO ENSURE SEEDS DO NOT ATTRACT WILDLIFE.

14. CONTRACTOR SHALL TAKE CARE TO MAINTAIN SECURITY DURING CONSTRUCTION WHEN ACCESS POINTS ARE CREATED IN THE SECURITY FENCING TO PERMIT THE PASSAGE OF CONSTRUCTION VEHICLES OR PERSONNEL. TEMPORARY GATES IF REQUIRED SHOULD BE EQUIPPED SO THEY CAN BE SECURELY CLOSED AND LOCKED TO PREVENT ACCESS BY ANIMALS AND UNAUTHORIZED PEOPLE.

15. CONTRACTOR TO MAKE ALL REASONABLE EFFORT TO AVOID THE DISRUPTION OF WILDLIFE HABITAT.

16. CONTRACTORS OPERATING CONSTRUCTION VEHICLES AND EQUIPMENT ON THE AIRPORT MUST BE PREPARED WITH APPROPRIATE EQUIPMENT AND PROCEDURES TO EXPEDITIOUSLY CONTAIN AND CLEAN-UP SPILLS RESULTING FROM FUEL, HYDRAULIC FLUID LEAKS, OR OTHER HAZARDOUS MATERIALS. CONTRACTOR TO NOTIFY OWNER OR OWNER'S REPRESENTATIVE IMMEDIATELY IN THE EVENT OF A SPILL, LEAK, OR RELEASE OF A HAZARDOUS MATERIAL.

17. CONTRACTOR TO COORDINATE ALL ACTIVITIES ON THE AIRFIELD WITH THE OWNER WHO WILL ISSUE THE APPROPRIATE NOTICE TO AIRMEN (NOTAM).

18. IN THE EVENT OF AN EMERGENCY, THE CONTRACTOR SHALL CONTACT 911 OR THE APPROPRIATE RESPONSE AGENCY FOLLOWED IMMEDIATELY BY THE OWNER OR OWNER'S REPRESENTATIVE.

19. CONTRACTOR TO ENSURE EQUIPMENT DOES NOT PENETRATE THE IMAGINARY SURFACES DESCRIBED ON THE PART 77 DETAIL. SHOULD A CONSTRUCTION ACTIVITY REQUIRE PENETRATION OF THE SURFACES, THIS ACTIVITY MUST BE COORDINATED WELL IN ADVANCE WITH THE OWNER OR OWNER'S REPRESENTATIVE WHO WILL NOTIFY FAA.

20. SAFETY PROVISIONS DEFINED HEREIN AS WELL AS REFERENCED IN FAA AC 150/5370-2F, OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION, SHALL BE FOLLOWED AT ALL TIMES. CONTRACTOR MAY BE FINED THE NON-PENAL SUM OF $500 PER DAY FOR EACH CALENDAR DAY OF NON-COMPLIANCE AFTER BEING NOTIFIED OF NONCOMPLIANCE BY THE OWNER OR OWNER'S REPRESENTATIVE.

21. SHOULD ANY AIRCRAFT ACCIDENT OR INCIDENT OCCUR THE CONTRACTOR SHALL FIRST NOTIFY ANY FIRST RESPONDERS AND MUST IMMEDIATELY HALT WORK UNTIL DIRECTED BY THE OWNER OR OWNER'S REPRESENTATIVE TO RESUME.

22. CONTRACTOR SHALL ENSURE THAT AREAS WHERE AIRCRAFT WILL BE OPERATING ARE CLEARLY AND VISIBLY SEPARATED FROM CONSTRUCTION AREAS, INCLUDING CLOSED RUNWAYS. THROUGHOUT THE DURATION OF THE CONSTRUCTION PROJECT, CONTRACTOR SHALL VERIFY THAT THESE AREAS REMAIN CLEARLY MARKED AND VISIBLE AT ALL TIMES AND THAT MARKING, LIGHTING, SIGNS, AND VISUAL NAVIGATIONAL AIDS REMAIN IN PLACE AND OPERATIONAL.

23. IF AN AIRFIELD SIGN DOES NOT SERVE ITS NORMAL FUNCTION IT MUST BE COVERED OR REMOVED TO PREVENT MISDIRECTING PILOTS. NOTE THAT INFORMATION SIGNS IDENTIFYING A CROSSING TAXIWAY CONTINUE TO PERFORM THEIR NORMAL FUNCTION EVEN IF THE CROSSING TAXIWAY IS CLOSED.

24. CONTRACTOR SHALL ENSURE PAVEMENT MARKINGS AND SIGNS FOR CONSTRUCTION PERSONNEL WILL CONFORM TO AC 150/5340-18 AND, TO THE EXTENT PRACTICABLE, WITH THE FEDERAL HIGHWAY ADMINISTRATION MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND/OR STATE HIGHWAY SPECIFICATIONS. SIGNS ADJACENT TO AREAS USED BY AIRCRAFT MUST COMPLY WITH THE FRANGIBILITY REQUIREMENTS OF AC 150/5220-23, FRANGIBLE CONNECTIONS, WHICH MAY REQUIRE MODIFICATION TO SIZE AND HEIGHT GUIDANCE IN THE MUTCD.

25. RUNWAYS AND RUNWAY EXIT TAXIWAYS CLOSED TO AIRCRAFT OPERATIONS SHALL BE MARKED WITH A YELLOW/LIGHTED X IN COMPLIANCE WITH THE STANDARDS OF FAA AC 150/5340-1, STANDARDS FOR AIRPORT MARKINGS. PLACE BARRICADES OUTSIDE THE SAFETY AREA OF INTERSECTING TAXIWAYS. FOR RUNWAY/TAXIWAY INTERSECTIONS, PLACE AN X AT THE ENTRANCE TO THE CLOSED TAXIWAY FROM THE RUNWAY.

SAFETY NOTES

1. ALL CONSTRUCTION VEHICLES AND EQUIPMENT OPERATING ON THE AIRPORT PROPERTY SHALL BE MARKED WITH STANDARD FAA WARNING CHECKERED FLAGS AND LIGHTED WITH FLASHING BEACONS. VEHICLES AND EQUIPMENT OPERATING DURING HOURS OF DARKNESS OR REDUCED VISIBILITY SHALL BE LIGHTED WITH A FLASHING CIRCULAR AMBER EMERGENCY WARNING LIGHT, ACCORDING TO FAA ADVISORY CIRCULAR 150/5370-2G & 150/5210-5.

2. ALL FOREMAN'S AND SUPERINTENDENT'S VEHICLES SHALL CONTAIN RADIOS CAPABLE OF TRANSMITTING AND RECEIVING THE UNICOM FREQUENCY OF 122.975 MHZ. NORMAL RADIO COMMUNICATIONS BETWEEN CONTRACTOR PERSONNEL WILL NOT BE ALLOWED ON THE UNICOM CONTROL OR ANY OTHER FAA FREQUENCY.

3. CONTRACTOR SHALL USE EXTREME CAUTION WHILE WORKING NEAR FUEL FARM FACILITY. FLAMMABLE FUEL TANKS EXIST IN THE FUEL FARM.

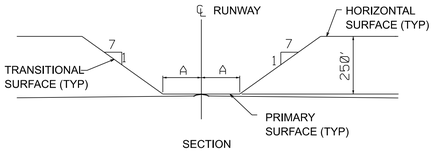
4. ALL OPEN EXCAVATIONS SHALL BE ADEQUATELY MARKED AND SIGNED.

5. THE CONTRACTOR SHALL NOT AT ANY TIME BE ON THE RUNWAY UNLESS THE ENGINEER OR AIRPORT PERSONNEL GIVES PRIOR APPROVAL.

6. THE CONTRACTOR IS RESPONSIBLE FOR ALL CONSTRUCTION, MAINTENANCE, REMOVAL AND CLEANUP OF ALL HAUL ROUTES (ON AND OFF AIRPORT PROPERTY).

7. ALL ACTIVE AIRPORT OPERATIONAL AREAS ADJACENT TO WORK AREAS SHALL BE SEPARATED BY BARRICADES.

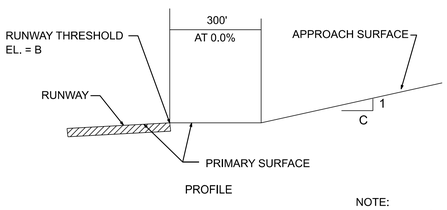
8. RUNWAY WILL BE CLOSED AS NECESSARY FOR WORK PERFORMED IN THE OFA.



SECTION

PAVEMENT	SAFETY AREA WIDTH*
RUNWAY 17/35	500'

SAFETY AREA DIMENSIONS

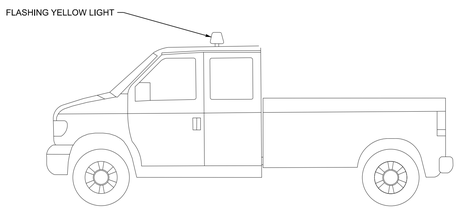


PROFILE

RUNWAY END	A	B	C
RUNWAY 17	250'	931.1'	34
RUNWAY 35	250'	950.5'	34

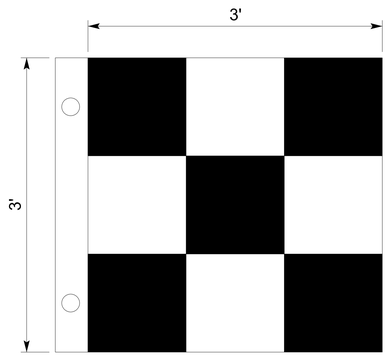
FAR PART 77 SURFACES

NOTE:
THE PART 77 SURFACE IS CENTERED ON THE RUNWAY AT THE CENTERLINE ELEVATION AND TO THE WIDTH INDICATED. THE PART 77 SURFACE IS LOCATED ON THE PROFILE OF THE EXTENDED RUNWAY CENTERLINE AT THE RUNWAY THRESHOLD ELEVATION TO A POINT 200' BEYOND EACH THRESHOLD. THE SECTION THEN RISES ALONG THE SLOPES INDICATED.

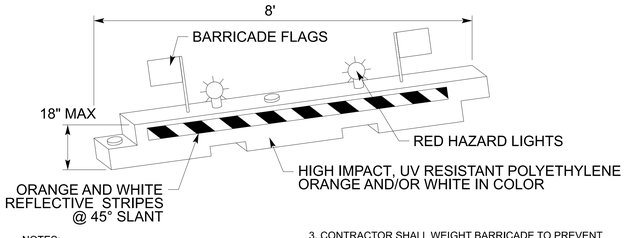


FLASHING BEACON LIGHT DETAIL
Not to scale

NOTE:
1. THE YELLOW FLASHING LIGHT MUST BE MOUNTED ON THE UPPERMOST PART OF THE VEHICLE STRUCTURE.
2. THE LIGHT MUST BE VISIBLE FROM ALL DIRECTIONS (INCLUDING THE AIR), DAY & NIGHT.
3. HAZARD LIGHTS MUST MEET THE SPECIFICATIONS IN THE MOST CURRENT VERSION OF FEDERAL SPECIFICATIONS KKK-A-1822, AND ARFF VEHICLES MUST MEET NFPA, STATE, AND LOCAL REQUIREMENTS.
4. LIGHTS MUST HAVE PEAK INTENSITY WITHIN THE RANGE OF 40 TO 400 CANDELAS (EFFECTIVE) FROM 0 DEGREES UP TO 10 DEGREES ABOVE THE HORIZONTAL AND FOR 360 DEGREE HORIZONTALLY. THE UPPER LIMIT OF 400 CANDELAS (EFFECTIVE) IS NECESSARY TO AVOID DAMAGE TO NIGHT VISION.
5. FROM 10 DEGREES TO 15 DEGREES ABOVE THE HORIZONTAL PLANE, THE LIGHT OUPUT MUST BE 1/10TH OF PEAK INTENSITY OR BETWEEN 4 AND 40 CANDELAS (EFFECTIVE).
6. LIGHTS MUST FLASH AT 75 +/- 15 FLASHES PER MINUTE.



TEMPORARY CHECKERED CONSTRUCTION FLAG ORANGE AND WHITE



NOTES:
1. CAUTION LIGHTS TO BE RED IN COLOR AND FLASHING DURING HOURS OF DARKNESS. UNITS TO BE PLACED ADJACENT TO EACH OTHER. THERE WILL BE NO DIRECT PAYMENT FOR FURNISHING, MAINTENANCE, OR REMOVAL OF THIS BARRIER. UNITS MUST BE SECURED TO BARRIER.
2. ALL BARRICADES SHALL DELINEATE THE AREA TO BE PROTECTED AND SHALL EXTEND TO 10' OFF THE EDGE OF EITHER SIDE OF ANY PAVEMENT. BARRICADES SHALL PROHIBIT AIRCRAFT AND VEHICLE ENTRY.
3. CONTRACTOR SHALL WEIGHT BARRICADE TO PREVENT DISPLACEMENT. METHOD TO BE APPROVED BY THE ENGINEER.
4. BARRICADE TYPE AND SPACING SHALL MEET THE REQUIREMENTS OF AC 150/5370-2G.
5. RED HAZARD LIGHTS MUST MEET THE LUMINANCE REQUIREMENTS OF THE STATE HIGHWAY DEPARTMENT.

LOW PROFILE AIRCRAFT BARRICADE
Not to scale

ALPHA SITE SET 10-29-2024

GMC
Goodwyn Mills Cawood, LLC
6120 Powers Ferry Road NW, Suite 200
Atlanta, GA 30339
T 770.952.2481
GMCNETWORK.COM

ISSUE | DATE
CONSTRUCTION DEVELOPMENT | 1/29/2024

DRAWN BY: Author
CHECKED BY: Checker

JACKSON COUNTY AIRPORT
NEW TERMINAL
JACKSON COUNTY, GEORGIA

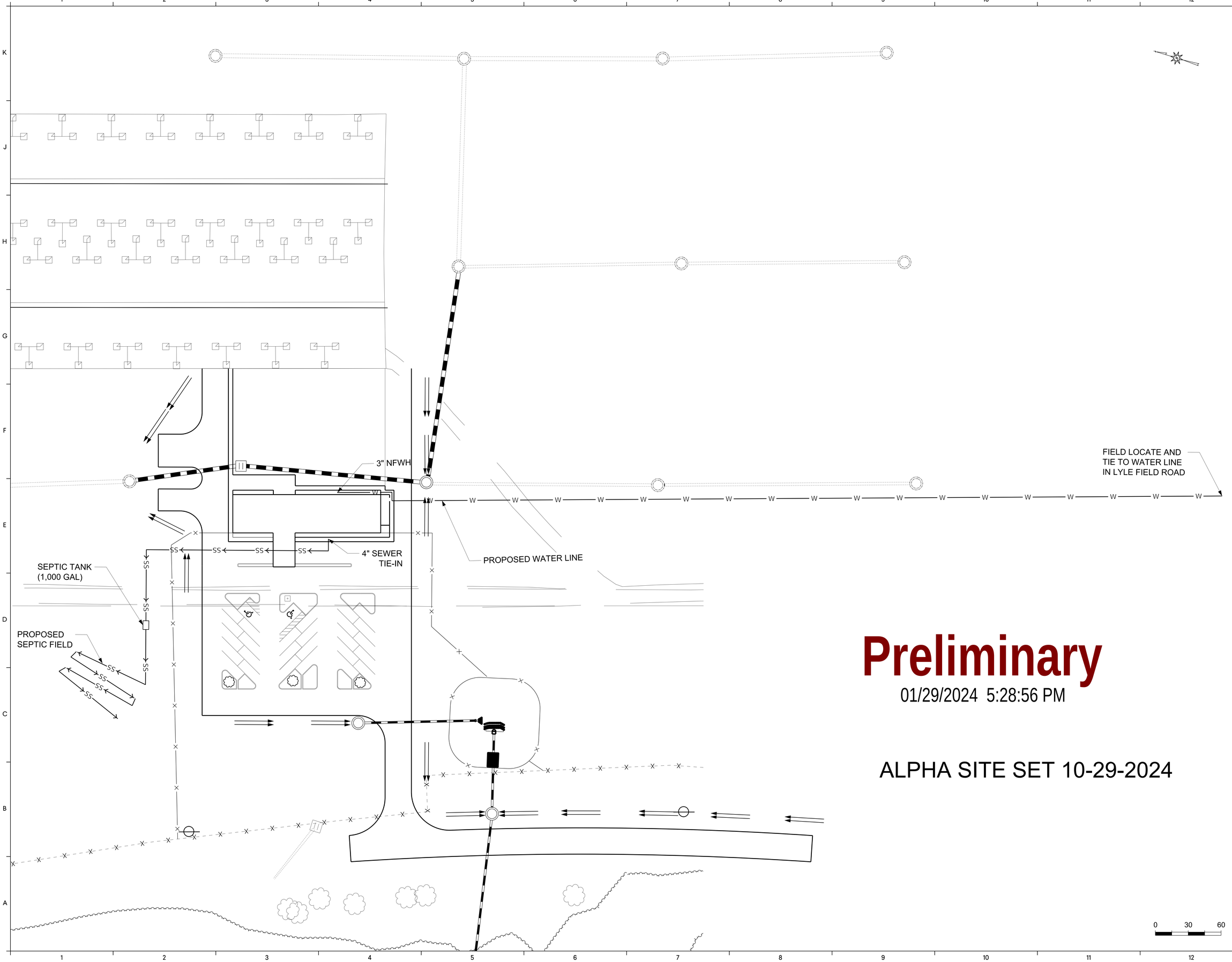
GMC # TATL230006

NOT FOR CONSTRUCTION

CONSTRUCTION SAFETY AND PHASING PLAN DETAILS

C-003
sheet X of X

1/29/2024 11:02:41 AM TEMPLATE VERSION: 2022.1



Preliminary

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UTILITY PLAN

C-004

sheet X of X

1/29/2024 11:02:41 AM TEMPLATE VERSION: 2022.1

EX TIE DOWNS AND APRON NEED TO BE PRESERVED AND PROTECTED

<24" RCP

RET. EX. PEDESTAL TOP STRUCTURE

REMOVE AND RELOCATE EX STORM PIPE

<36" RCP

REMOVE AND RELOCATE EX PEDESTAL TOP STRUCTURE

EX PEDESTAL TOP STRUCTURE

REMOVE AND RELOCATE EX STORM PIPE

<36" RCP

<36" RCP

<24" RCP

RET. EX. PEDESTAL TOP STRUCTURE

EX DIRT DRIVE

18" RCP

EX OUTLET CONTROL STRUCTURE

EX. FENCE REMOVAL

18" RCP

RET. EX. POWER POLE

RET. EX. DROP INLET

REMOVE AND RELOCATE EX POWER POLE

<24" RCP

RET. EX. STORM PIPE

36" RCP

0 30 60

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFICATION OF THE LOCATION OF ALL UTILITIES IN ALL AREAS TO BE REMOVED OR DEMOLISHED, PRIOR TO COMMENCEMENT OF WORK. THE UTILITIES TO BE LOCATED SHALL INCLUDE, BUT NOT BE LIMITED TO WATER, GAS, SANITARY SEWER, STORM SEWER, SITE LIGHTING, IRRIGATION, SECURITY, CABLE, SITE ELECTRICAL, FIBER OPTIC, AND TELEPHONE.

2. ALL UTILITIES TO BE REMOVED SHALL BE CUT, REMOVED, CAPPED, ETC. ACCORDING TO ALL GOVERNING AGENCIES SPECIFICATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL UTILITY AGENCIES PRIOR TO ANY WORK BEING PERFORMED ON THEIR RESPECTIVE LINES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING AND INFORMING EACH UTILITY AGENCY OF THE SCOPE OF WORK AND SCHEDULE OF COMPLETION, AND SHALL COORDINATE ALL INSPECTIONS.

3. THE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS IN THE FIELD AND SHALL LOCATE ON THE GROUND WITH PAINT OR OTHER EASILY VISIBLE MEANS ALL UNDERGROUND UTILITIES PRIOR TO ANY CONSTRUCTION EFFORTS. THE UTILITIES TO BE LOCATED SHALL INCLUDE, BUT NOT BE LIMITED TO WATER, GAS, SANITARY SEWER, STORM SEWER, SITE LIGHTING, IRRIGATION, SECURITY, CABLE, SITE ELECTRICAL, AND TELEPHONE. CONFLICTS OR DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE PROJECT ENGINEER IMMEDIATELY. THE UTILITIES SHOWN ARE ILLUSTRATED AS LOCATED ON THE GROUND BY LINE LOCATORS, SURVEY OF ABOVE GROUND STRUCTURES, AND/OR ACCORDING TO UTILITY MAPS OR UTILITY ADMINISTRATOR'S RECOLLECTION, AND ARE PROVIDED AS INFORMATION ONLY.

4. THE CONTRACTOR SHALL PRESERVE AND PROTECT, ACCORDING TO THE INSTRUCTIONS OF THE UTILITY INVOLVED, ANY "LIVE" UTILITIES LOCATED BY THE UTILITY COMPANY OR THE CONTRACTOR.

5. DEMOLITION ITEMS SHOWN ARE CONSIDERED TO BE A MINIMUM. UNDERGROUND STORAGE TANKS AND UNMARKED UTILITIES SHOULD ALSO BE REMOVED AND BACKFILLED WITH PROPERLY COMPACTED MATERIAL. THESE UTILITIES MAY INCLUDE, BUT NOT LIMITED TO SANITARY SEWER LATERALS, TELEPHONE LINES, CABLE LINES, GAS LINES, WATER LINES, ETC.

6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL AND RELOCATION OF ALL UTILITY LINES LOCATED UNDERNEATH THE PROPOSED BUILDINGS.

7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPLACEMENT OF ALL CONCRETE, SIDEWALKS, WALLS, ETC. DAMAGED DURING CONSTRUCTION. ALL DISTURBED AREAS SHALL BE RESTORED TO THE ORIGINAL CONDITION OR AS ACCEPTED BY THE OWNER.

DEMO LEGEND

- PROPOSED DEVELOPMENT
- EX.FENCE TO BE REMOVED
- EX. FENCE
- EX. POWER POLE

ALPHA SITE SET 10-29-2024

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JACKSON COUNTY, GEORGIA

GMC # TATL230006

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EXISTING CONDITIONS AND DEMO PLAN

C-101

sheet X of X

ALPHA SITE SET 10-29-2024

MATCH EXISTING APRON EDGE

B/D: 943.59'

E/A: 943.16'

E/A: 942.07'

E/A: 942.07'

E/A: 942.07'

E/A: 942.07'

B/D: 941.00'

E/A: 942.07'

A-01

A-02

A-03

A-04

A-05

A-06

A-07

A-08

A-09

← 36" RCP

← 24" RCP

18" RCP

E/A: 942.17'
T/S: 942.50'
T/S: 943.20'

E/A: 943.31'
T/S: 943.64'

B/D: 942.50'

943.0'

T/S: 943.72'
FFE = 943.80'

E/A: 943.23'
T/S: 943.56'

E/A: 943.23'
T/S: 943.56'

B/D: 941.91'

E/A: 943.15'

B/D: 943.37'

942.0'

941.0'

940.0'

T/P: 938.76'

B/P: 932.67'

B/D: 940.65'

B/D: 935.03'

3:1 SLOPE
(TYP.)

E/A: 940.87'

E/A: 941.15'

E/A: 940.01'

E/A: 938.03'

E/A: 931.63'

E/A: 930.82'

E/A: 931.84'

E/A: 930.82'

B/D: 930.79

E/A: 933.79'

E/A: 933.79'

939.0'

938.0'

934.0'

933.0'

932.0'

931.0'

930.0'

929.0'

933.0'

931.0'

930.0'

932.0'

939'

938'
937'
936'
935'
934'
933'

0 30 60

LEGEND

	PEDASTAL TOP MANHOLE
II	DROP INLET
	EXISTING STORM SEWER
	PROPOSED STORM SEWER
E/A	EDGE OF ASPHALT
T/S	TOP OF SIDEWALK
B/D	BOTTOM OF DITCH
T/P	TOP OF POND
B/P	BOTTOM OF POND

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NEW TERMINAL
JACKSON COUNTY, GEORGIA

GMC # TATL230006

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GRADING AND DRAINAGE PLAN

C-102

sheet X of X

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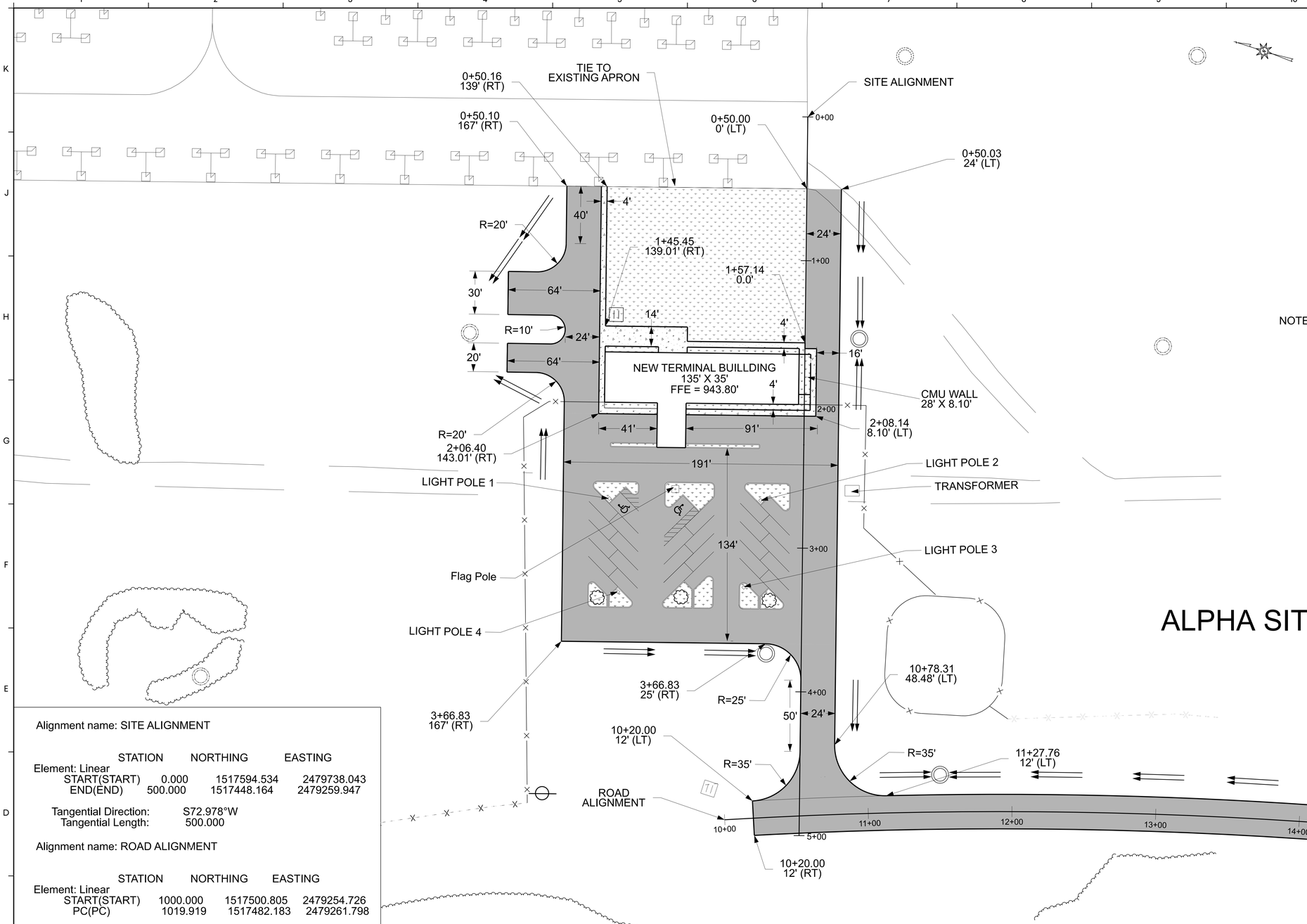


BUILDING CORNER OFFSETS	
BUILDING CORNER 1	1+65.14 139' (RT)
BUILDING CORNER 2	1+65.14 4.00' (RT)
BUILDING CORNER 3	2+00.14 4.00' (RT)
BUILDING CORNER 4	2+00.14 139' (RT)

ELECTRICAL OFFSETS	
LIGHT POLE 1	2+65.49 134.85 (RT)
LIGHT POLE 2	2+66.80 29.59 (RT)
LIGHT POLE 3	3+27.26 40.52 (RT)
LIGHT POLE 4	3+30.36 40.52 (RT)
TRANSFORMER	2+60.03 34.00 (LT)

NOTE: 1. ALL OFFSETS ARE TO THE CENTER OF CONCRETE PAD
2. TRANSFORMER = 10' X 7.5' CONCRETE PAD
3. LIGHT POLE = 2' DIAMETER HOLE

LEGEND

- CONCRETE SIDEWALK
- ASPHALT PAVEMENT
- PROPOSED FENCE
- EXISTING FENCE
- LIGHT POLE

ALPHA SITE SET 10-29-2024

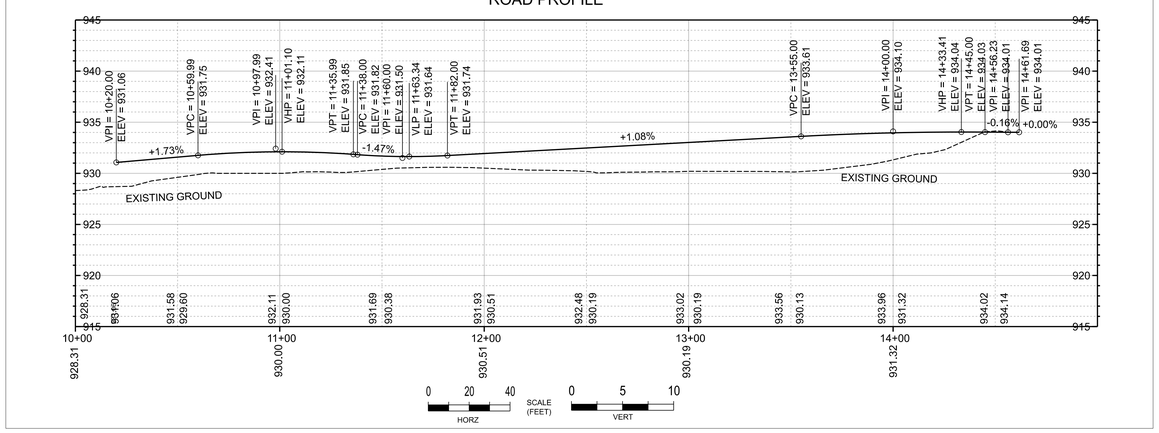
Alignment name: SITE ALIGNMENT

	STATION	NORTHING	EASTING
Element: Linear			
START(START)	0.000	1517594.534	2479738.043
END(END)	500.000	1517448.164	2479259.947
Tangential Direction:	S72.978°W		
Tangential Length:	500.000		

Alignment name: ROAD ALIGNMENT

	STATION	NORTHING	EASTING
Element: Linear			
START(START)	1000.000	1517500.805	2479254.726
PC(PC)	1019.919	1517482.183	2479261.798
Tangential Direction:	S20.796°E		
Tangential Length:	19.919		
Element: Circular			
PC(BL-Road)	1019.919	1517482.183	2479261.798
HPI(HPI)	1231.153	1517284.711	2479336.794
CC(CC)		1516349.614	2476279.619
PT(PT)	1441.771	1517079.074	2479385.097
Radius:	3190.000		
Delta:	7.577° Right		
Degree of Curvature(Arc):	1.796°		
Length:	421.852		
Tangent:	211.234		
Chord:	421.545		
Middle Ordinate:	6.971		
External:	6.986		
Tangent Direction:	S20.796°E		
Radial Direction:	S69.204°W		
Chord Direction:	S17.007°E		
Radial Direction:	S76.781°W		
Tangent Direction:	S13.219°E		
Element: Linear			
PT(PT)	1441.771	1517079.074	2479385.097
END(END)	1461.691	1517059.682	2479389.652
Tangential Direction:	S13.219°E		
Tangential Length:	19.919		

ROAD PROFILE



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SITE PLAN

C-103

sheet 101 of X

1/29/2024 11:02:41 AM TEMPLATE VERSION: 2022.1

LEGEND

CONCRETE SIDEWALK

ASPHALT PAVEMENT

PROPOSED FENCE

EXISTING FENCE

LIGHT POLE

0 20 40

0+00

1+00

2+00

3+00

4+00

5+00

10+00

11+00

12+00

13+00

14+00

TIE PROPOSED FENCE TO BUILDING
2+00.14
139' (RT)

24' AUTOMATIC
DRIVEWAY GATE

2+00.09
177.61' (RT)

2+11.24
195.24' (RT)

4' PEDESTRIAN
GATE

TIE PROPOSED FENCE TO BUILDING
2+00.14
4' (RT)

4' PEDESTRIAN
GATE

16' AUTOMATIC
DRIVEWAY GATE

2+00.20
43.05' (LT)

2+85.59
42.36' (LT)

24' SWINGING
DOUBLE GATE

3+32.34
94.16' (LT)

3+33.35
115.78' (LT)

3+32.05
87.81' (LT)

R=26

3+61.58
141.49' (LT)

R=26

3+89.55
140.19' (LT)

3+57.76
59.58' (LT)

R=26

4+08.25
131.40' (LT)

3+85.73
58.28' (LT)

R=26

4+13.96
83.99' (LT)

4+15.26
111.96' (LT)

TIE PROPOSED FENCE TO
EXISTING FENCE
4+17.08
144.27' (LT)

TIE PROPOSED FENCE TO
EXISTING FENCE
4+79.13
190' (RT)

ALPHA SITE SET 10-29-2024

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FENCE PHASING PLAN

C-104

sheet X of X

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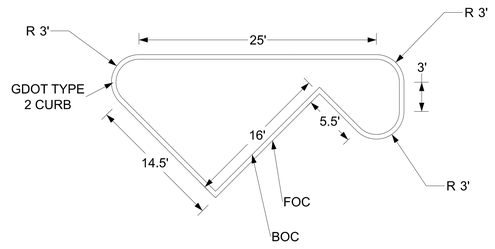
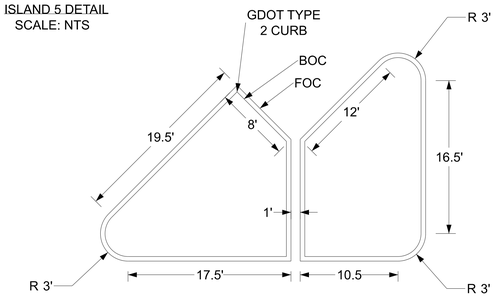


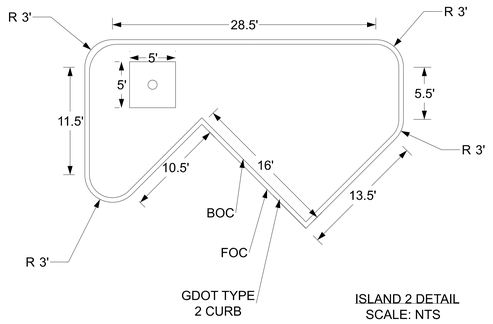
ISLAND 1 DETAIL
SCALE: NTS

ISLAND 5 DETAIL
SCALE: NTS

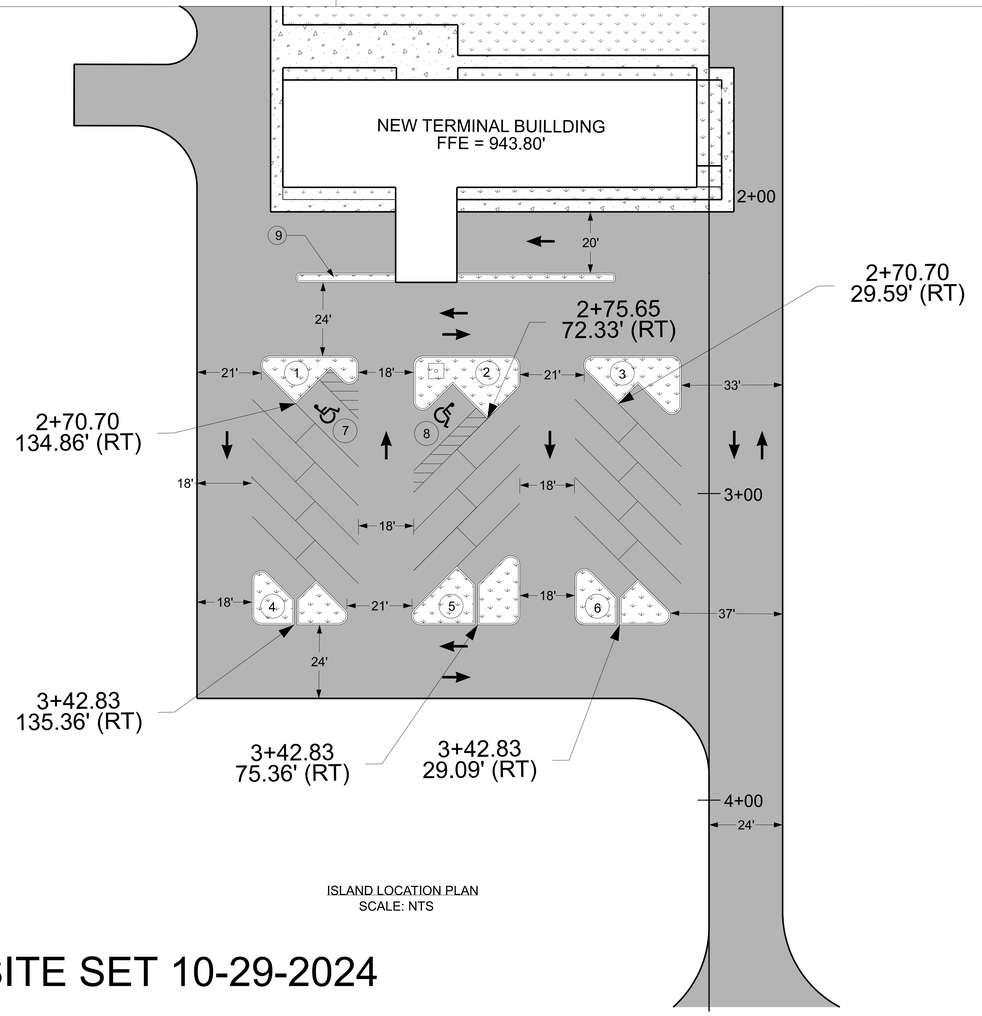


SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
(1)	ISLAND IDENTIFICATION NO.	FOC BOC R	FRONT OF CURB BACK OF CURB RADIUS OF CURVE

NOTE:
1. ALL DIMENSIONS ARE TO FACE OF CURB (FOC)
2. ALL COORDINATES AND DIMENSIONS ARE IN FEET UNLESS OTHERWISE NOTED ON PLANS

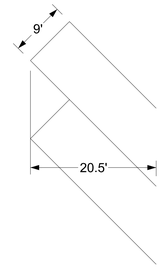


ISLAND 2 DETAIL
SCALE: NTS



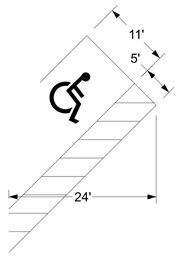
ISLAND LOCATION PLAN
SCALE: NTS

TYP.



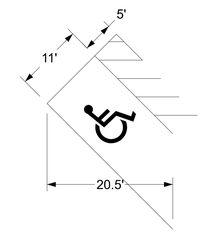
45° PARKING
SCALE: NTS

8



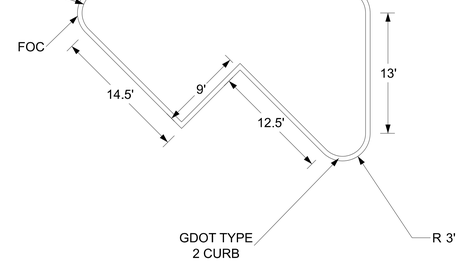
45° PARKING
SCALE: NTS

7

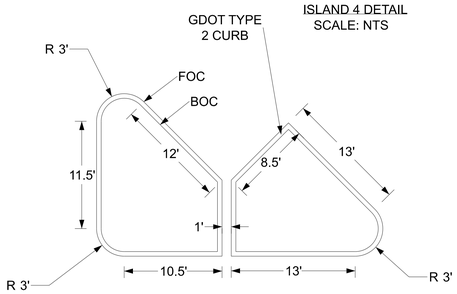


45° PARKING
SCALE: NTS

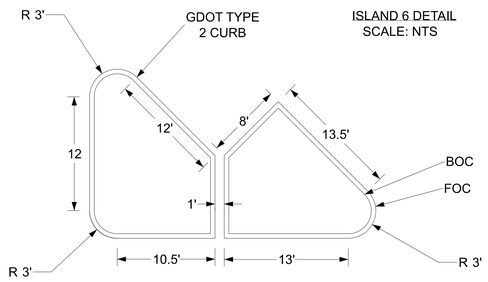
ISLAND 3 DETAIL
SCALE: NTS



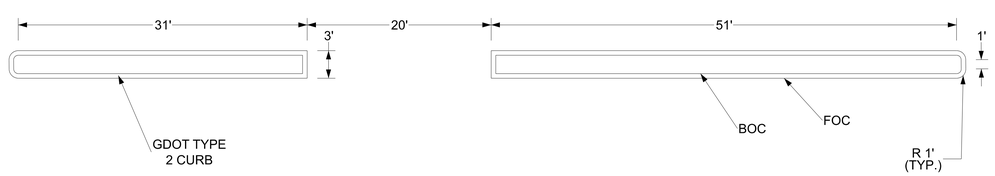
ISLAND 4 DETAIL
SCALE: NTS



ISLAND 6 DETAIL
SCALE: NTS



ISLAND 9 DETAIL
SCALE: NTS



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PARKING GEOMETRIC PLAN

C-105

sheet X of X

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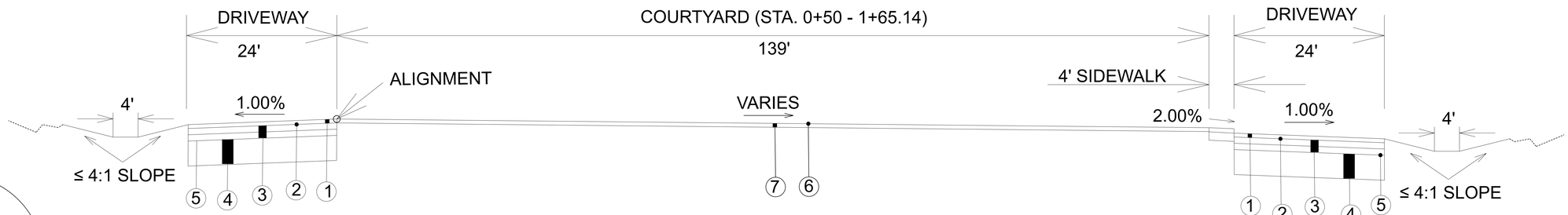
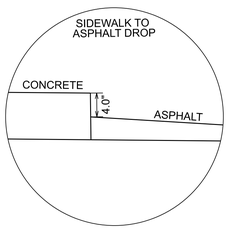
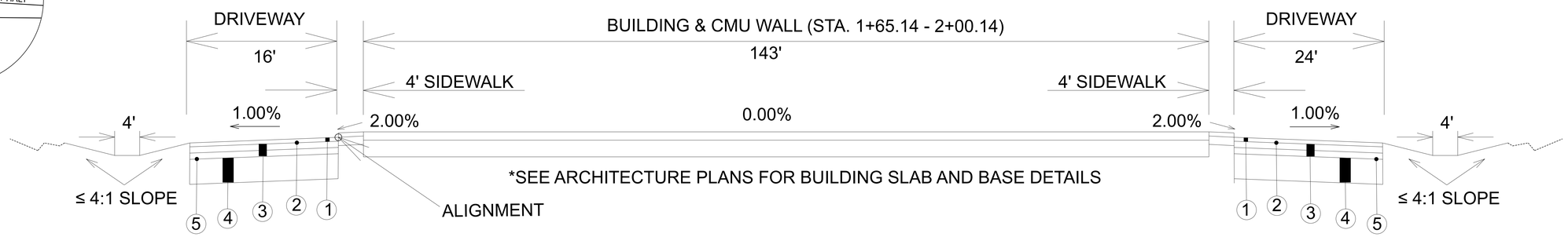
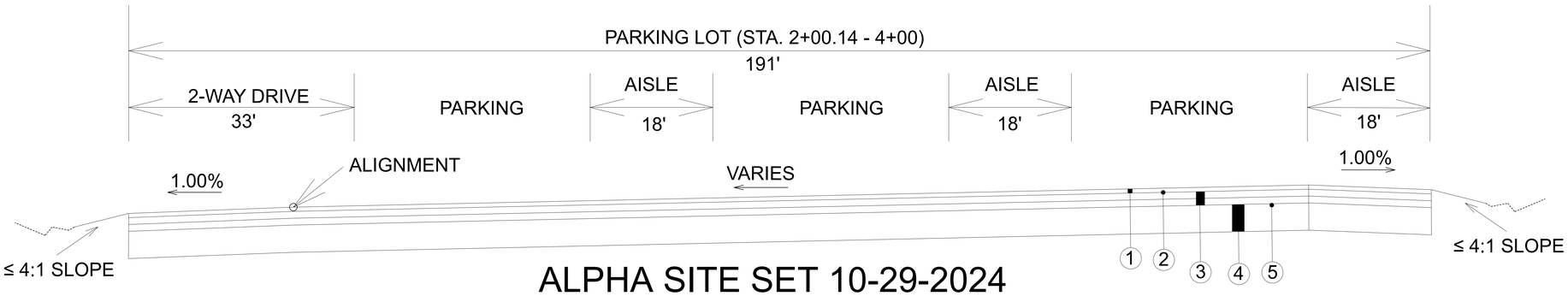
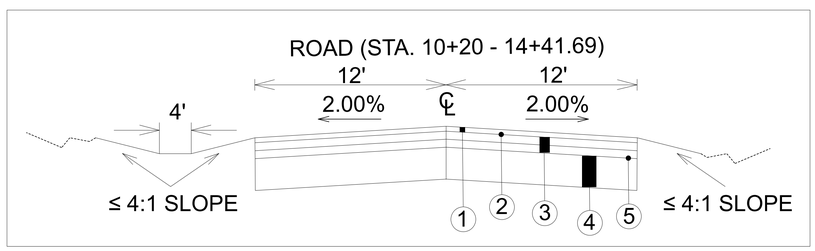


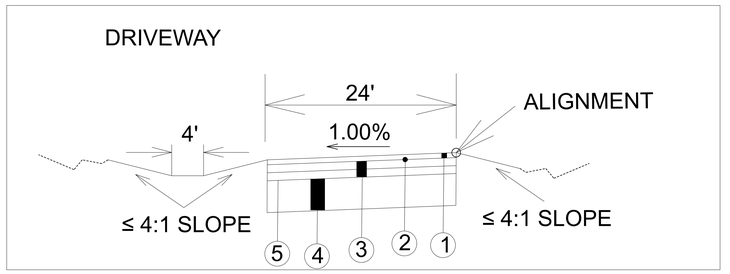


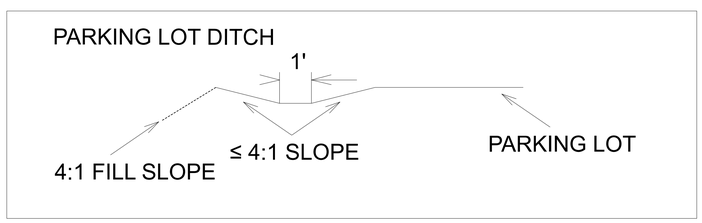




ALPHA SITE SET 10-29-2024







REQUIRED PAVEMENT SCHEDULE LEGEND		
LEGEND	ITEM NO.	DESCRIPTION
1	402-3103	RECYCLED ASPH CONC 9.5 MM SUPERPAVE, TYPE II, GP 2 ONLY, INCL BITUM MATL & H LIME (1.25 IN)
2	413-0750	TACK COAT
3	402-3103	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL POLYMER MODIFIED BITUM MATL & H LIME (TWO 2 IN LIFTS)
4	310-5080	GR AGGR BASE CRS, 8 INCH, INCL MATL
5	412-1000	BITUMINOUS PRIME
6	700-6910	PERMANENT GRASSING
7	708-1000	PLANT TOPSOIL

NOTES:

1. SEE GRADING AND DRAINAGE PLAN FOR VARYING SLOPES
2. SEE GRADING AND DRAINAGE PLAN FOR DITCH GRADES

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TYP. SECTIONS

C-201

Sheet X of X

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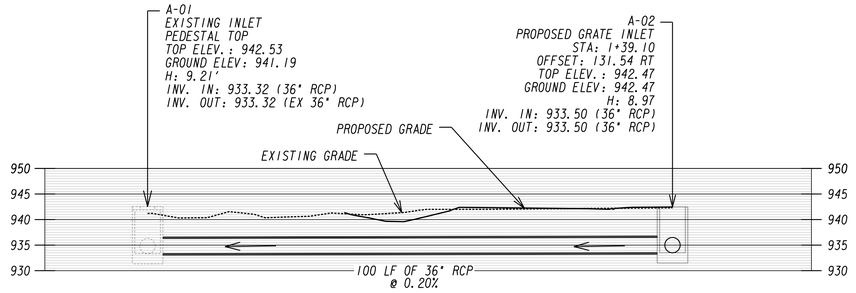
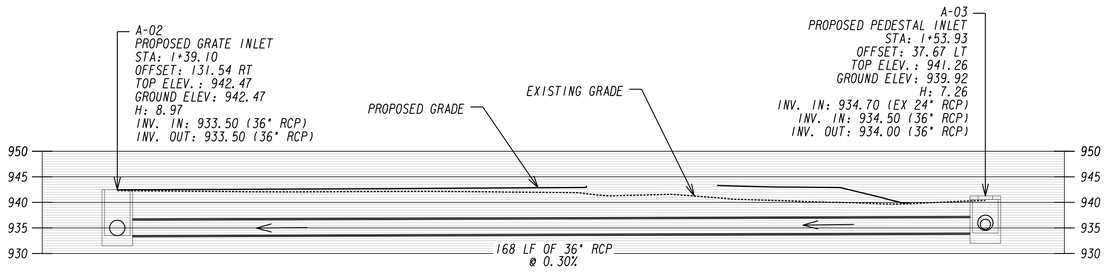
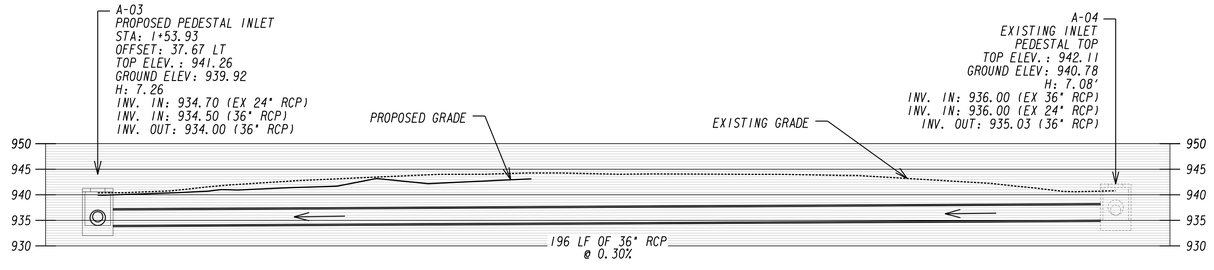
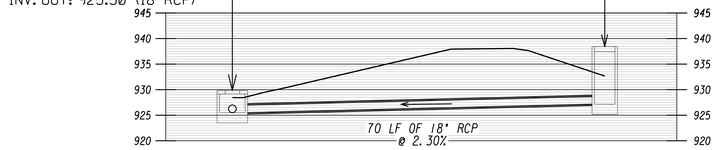
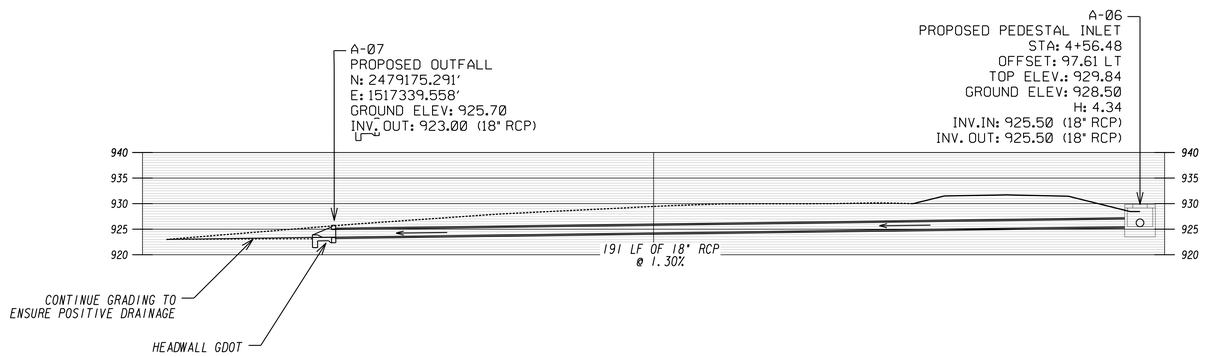
ALPHA SITE SET 10-29-2024

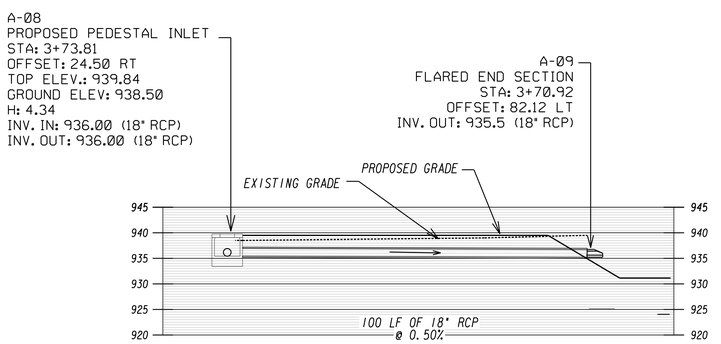












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DRAINAGE PROFILES

C-202

sheet X of X

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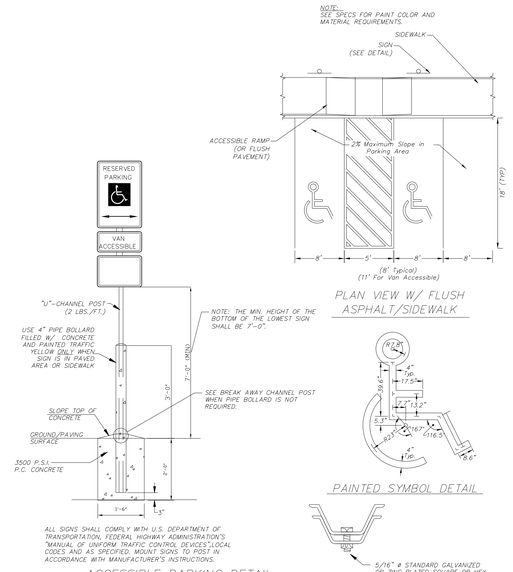


PLAN VIEW W/ FLUSH ASPHALT/SIDEWALK

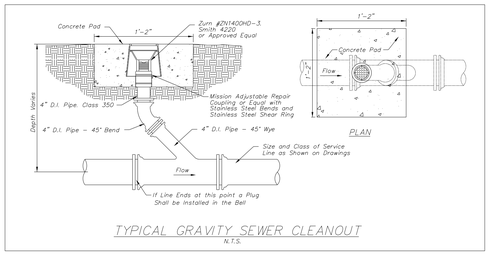
ACCESSIBLE PARKING DETAIL

N.T.S.

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

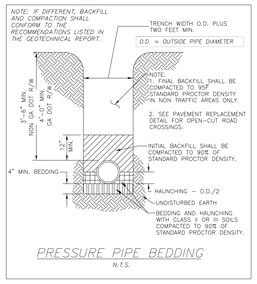
PAINTED SYMBOL DETAIL

BREAK AWAY CHANNEL POST



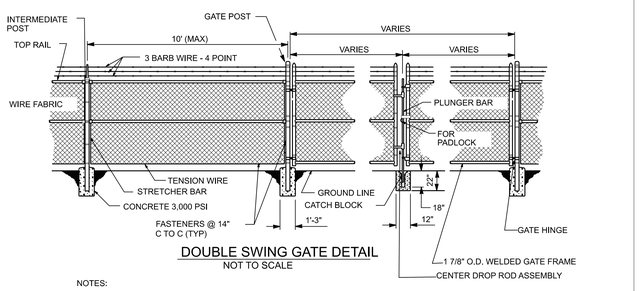
TYPICAL GRAVITY SEWER CLEANOUT

N.T.S.



PRESSURE PIPE BEDDING

N.T.S.

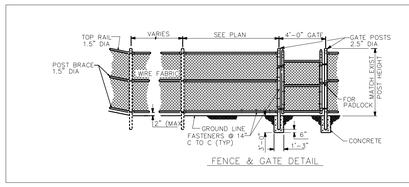


DOUBLE SWING GATE DETAIL

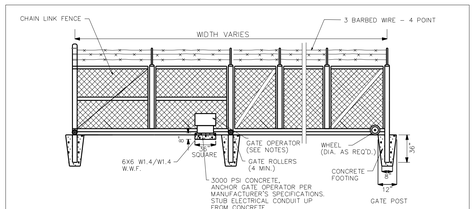
NOT TO SCALE

NOTES:

1. ALL DIMENSIONS SHALL CONFORM TO SECTION F-162 OF THE SPECIFICATIONS.
2. THE INTENT IS TO MATCH THE EXISTING FENCE. THE CONTRACTOR SHALL VERIFY THE EXISTING FENCE DIMENSIONS PRIOR TO CONSTRUCTION. IF THERE ARE ANY DISCREPANCIES BETWEEN THE PLAN DETAILS AND THE EXISTING FENCE, THE EXISTING FENCE SHALL TAKE PRECEDENCE UNLESS DIRECTED BY THE ENGINEER.
3. CHAIN LINK FABRIC TO MATCH FENCE.
4. BARBED WIRE SHALL MEET OR EXCEED ASTM A-121 SPECIFICATIONS.
5. FENCE PIPE SHALL BE IN COMPLIANCE WITH ASTM F1043, GROUP IC, AND AASHTO M181.
6. FENCE POST, TOP RAILS, ANMD BRACES SHALL BE CLASS 1 GRADE B, AS STATED IN THE LATEST FEDERAL SPECIFICATION RR-F-191.
7. 30FT DOUBLE SWING GATE SHALL BE SP6 (6.625") O.D.) PER RR-F-191.
8. SMALLER DOUBLE SWING GATES POST SHALL BE SP5 (4.00")PER RR-F-191.
9. TOP/ BRACE RAIL SHALL BE SP1 (1.66" O.D.) PER RR-F-191.
10. LINE POST SHALL BE SP2 (1.90") PER RR-F-191.
11. TERMINAL/ BRACE POST SHALL BE SP3 (2.375") PER RR-F-191.



FENCE & GATE DETAIL



AUTOMATIC DRIVEWAY GATE

NOT TO SCALE

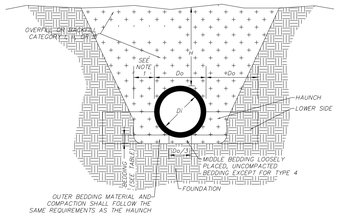
NOTES:

1. ALL DIMENSIONS SHALL CONFORM TO SECTION F-162 OF THE SPECIFICATIONS.
2. ALL GATES SHALL OPEN AWAY FROM THE BUILDING.
3. GATE OPERATOR SHALL BE "LIFTMASTER" MODEL SL590 OR EQUAL SPECIFIED TO OPERATE FROM EXISTING SUPPLY VOLTAGE.
4. ENTRANCE WILL BE WITH KEYPAD / GATE CLICKER.
5. SYSTEM WILL HAVE SAFETY LOOPS AND FREE EXIT LOOP.
6. GATE AND OPERATOR SHALL BE FABRICATED AND INSTALLED IN ACCORDANCE WITH U.L. 325 STANDARDS FOR VEHICLE GATE OPERATORS.

6 FT CHAIN LINK FENCE WITH BARBED WIRE DETAIL

NOT TO SCALE

SOIL AND MINIMUM COMPACTION REQUIREMENTS



INSTALLATION TYPE	BEDDING THICKNESS	HAUNCH AND OUTER BEDDING	LOWER SIDE
TYPE 1	$D_o/24$ MINIMUM, NOT LESS THAN 3 IN. IF ROCK FOUNDATION, USE $D_o/12$ MINIMUM, NOT LESS THAN 6 IN.	95% CATEGORY I	UNDISTURBED NATURAL SOIL WITH FIRMNESS EQUIVALENT TO THE FOLLOWING PLACED SOILS: 90% CATEGORY I, 95% CATEGORY II, OR 100% CATEGORY III, OR EMBANKMENT TO THE SAME REQUIREMENTS.
TYPE 2	$D_o/24$ MINIMUM, NOT LESS THAN 3 IN. IF ROCK FOUNDATION, USE $D_o/12$ MINIMUM, NOT LESS THAN 6 IN.	90% CATEGORY I OR 95% CATEGORY II	UNDISTURBED NATURAL SOIL WITH FIRMNESS EQUIVALENT TO THE FOLLOWING PLACED SOILS: 85% CATEGORY I, 90% CATEGORY II, OR 95% CATEGORY III, OR EMBANKMENT TO THE SAME REQUIREMENTS.
TYPE 3	$D_o/24$ MINIMUM, NOT LESS THAN 3 IN. IF ROCK FOUNDATION, USE $D_o/12$ MINIMUM, NOT LESS THAN 6 IN.	85% CATEGORY I, 90% CATEGORY II OR 95% CATEGORY III	UNDISTURBED NATURAL SOIL WITH FIRMNESS EQUIVALENT TO THE FOLLOWING PLACED SOILS: 85% CATEGORY I, 90% CATEGORY II, OR 95% CATEGORY III, OR EMBANKMENT TO THE SAME REQUIREMENTS.
TYPE 4	NO BEDDING REQUIRED, EXCEPT IF ROCK FOUNDATION, USE $D_o/12$ MINIMUM, NOT LESS THAN 6 IN.	NO COMPACTION REQUIRED, EXCEPT IF CATEGORY III, USE 85% CATEGORY III	NO COMPACTION REQUIRED, EXCEPT IF CATEGORY III, USE 85% CATEGORY III.

EQUIVALENT USCS AND AASHTO SOIL CLASSIFICATIONS FOR SOIL DESIGNATIONS

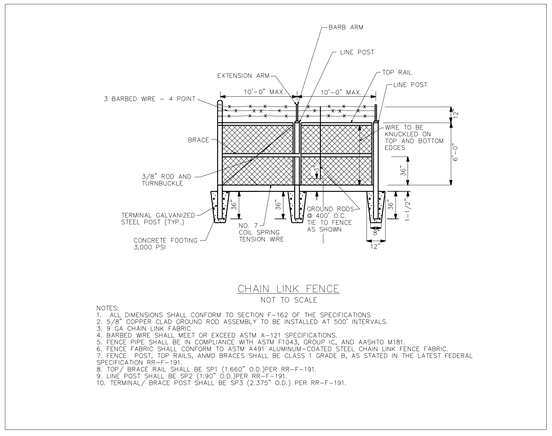
SOIL	REPRESENTATIVE SOIL TYPES		PERCENT COMPACTION	
	USCS ASTM D 2487	AASHTO M 145	STANDARD PROCTOR	MODIFIED PROCTOR
CATEGORY I	CLEAN, COURSE GRAINED SOILS: SW, SP, GW, GP OR ANY SOIL BEGINNING WITH ONE OF THOSE SYMBOLS WITH 12% OR LESS PASSING A #200 SIEVE	A-1, A-3	100 95 90 85	95 90 85 80
CATEGORY II	COURSE GRAINED SOILS WITH FINES: GM, GC, SM, SC OR ANY SOIL BEGINNING WITH ONE OF THOSE SYMBOLS, CONTAINING MORE THAN 12% PASSING A #200 SIEVE; SANDY OR GRAVELLY FINE-GRAINED SOILS: CL, ML, (OR CL-ML, CL/ML, ML/CL) WITH 30% OR MORE RETAINED ON A #200 SIEVE	A-2-4, A-2-5, A-2-6* OR A-4 OR A-6 SOILS WITH 30% OR MORE RETAINED ON A #200 SIEVE	100 95 90 85	95 90 85 80
CATEGORY III	FINE-GRAINED SOILS: CL, ML, (OR CL-ML, CL/ML, ML/CL) WITH LESS THAN 30% RETAINED ON A #200 SIEVE	A-2-7*, OR A-4 OR A-6 WITH LESS THAN 30 % RETAINED ON A #200 SIEVE	100 95 90 85	90 85 80 75
CATEGORY IV BUT NOT ALLOWED FOR HAUNCH OR BEDDING	MH, CH, OL, OH, PT	A-5, A-7	100 95 90	90 85 80

STORM PIPE BEDDING DETAIL

N.T.S.

NOTES:

1. CLEARANCE BETWEEN PIPE AND TRENCH WALL SHALL BE ADEQUATE TO ENABLE SPECIFIC COMPACTION BUT NOT LESS THAN $D_o/6$.
2. COMPACTION AND SOIL SYMBOLS, IE 95% CATEGORY I, REFER TO A SOIL MATERIAL CATEGORY WITH A MINIMUM STANDARD PROCTOR DENSITY.
3. WHEN THE TRENCH WIDTH SPECIFIED MUST BE EXCEEDED, THE ENGINEER SHALL BE NOTIFIED.
4. THE TRENCH WIDTH SHALL BE WIDER THAN SHOWN IF REQUIRED FOR ADEQUATE SPACE TO ATTAIN THE SPECIFIED COMPACTION IN THE HAUNCH AND BEDDING ZONES.
5. EMBANKMENT LOADING SHALL BE USED WHEN TRENCH WALLS CONSIST OF EMBANKMENT UNLESS THE GEOTECH REPORT STATES THAT THE SOIL IN THE TRENCH WALLS IS COMPACTED TO A HIGHER LEVEL THAN THE SOIL IN THE BACKFILL ZONE.
6. REQUIRED BEDDING THICKNESS IS THE THICKNESS OF THE BEDDING PRIOR TO THE PLACEMENT OF PIPE.
7. "DUMPED" MATERIAL WITHOUT ADDITIONAL COMPACTIVE EFFORT WILL NOT PROVIDE THE DESIGN HAUNCH SUPPORT REQUIRED FOR TYPE 1 AND TYPE 2 INSTALLATIONS AND IT SHOULD BE CHECKED FOR TYPE 3 INSTALLATIONS.
8. SOIL CLASSIFICATION AND COMPACTION REQUIREMENTS SHALL FOLLOW THE PROVIDED TABLES UNLESS OTHERWISE NOTED IN THE PROJECT GEOTECH REPORT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FAMILIARIZE HIMSELF/HERSELF WITH THE GEOTECH REPORT FOR ANY DISCREPANCIES.
9. PIPE BEDDING DETAILS ARE FOR RCP PIPES ONLY. THE INSTALLATIONS OF ANY OTHER TYPES OF PIPES (SUCH AS ULTRAFLO, HDPE, PVC, ETC.) SHALL BE INSTALLED AS PER THE MANUFACTURER'S STANDARDS AND SPECIFICATIONS.

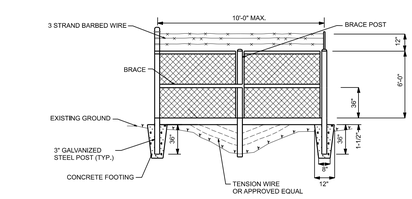


CHAIN LINK FENCE

NOT TO SCALE

NOTES:

1. ALL DIMENSIONS SHALL CONFORM TO SECTION F-162 OF THE SPECIFICATIONS
2. 5/8" COPPER CLAD GROUND ROD ASSEMBLY TO BE INSTALLED AT 500' INTERVALS.
3. 9 GA. CHAIN LINK FABRIC
4. BARBED WIRE SHALL MEET OR EXCEED ASTM A-121 SPECIFICATIONS.
5. FENCE PIPE SHALL BE IN COMPLIANCE WITH ASTM F1043, GROUP IC, AND AASHTO M181.
6. FENCE FABRIC SHALL CONFORM TO ASTM A491 ALUMINUM-COATED STEEL CHAIN LINK FENCE FABRIC.
7. FENCE POST, TOP RAILS, ANMD BRACES SHALL BE CLASS 1 GRADE B, AS STATED IN THE LATEST FEDERAL SPECIFICATION RR-F-191.
8. TOP/ BRACE RAIL SHALL BE SP1 (1.660" O.D.)PER RR-F-191.
9. LINE POST SHALL BE SP2 (1.90" O.D.)PER RR-F-191.
10. TERMINAL/ BRACE POST SHALL BE SP3 (2.375" O.D.) PER RR-F-191.

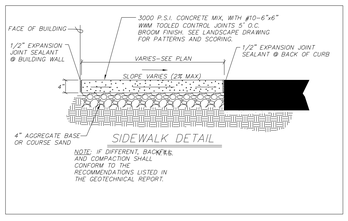


SPECIAL DITCH CROSSING

NOT TO SCALE

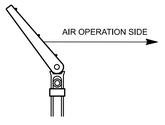
NOTES:

1. NO SEPERATE PAYMENT WILL BE MADE FOR ANY SPECIAL DITCH CROSSINGS REQUIRED. RECOMMEND CONTRACTOR VISIT SITE PRIOR TO SUBMITTING PROPOSAL.



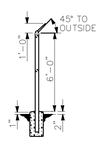
SIDEWALK DETAIL

NOTE: IF DIFFERENT, BACKFILL AND COMPACTION SHALL CONFORM TO THE RECOMMENDATIONS LISTED IN THE GEOTECHNICAL REPORT.



FENCE TOP DETAIL

NOT TO SCALE



END VIEW

ALPHA SITE SET 10-29-2024

GMC

Goodwyn Mills Cawood, LLC
6120 Powers Ferry Road NW, Suite 200
Atlanta, GA 30339
T 770.952.2481
GMCNETWORK.COM

ISSUE	DATE
CONSTRUCTION DEVELOPMENT	1/29/2024

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JACKSON COUNTY AIRPORT
NEW TERMINAL
JACKSON COUNTY, GEORGIA

GMC # TATL230006

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CONSTRUCTION DETAILS

C-301

sheet X of X

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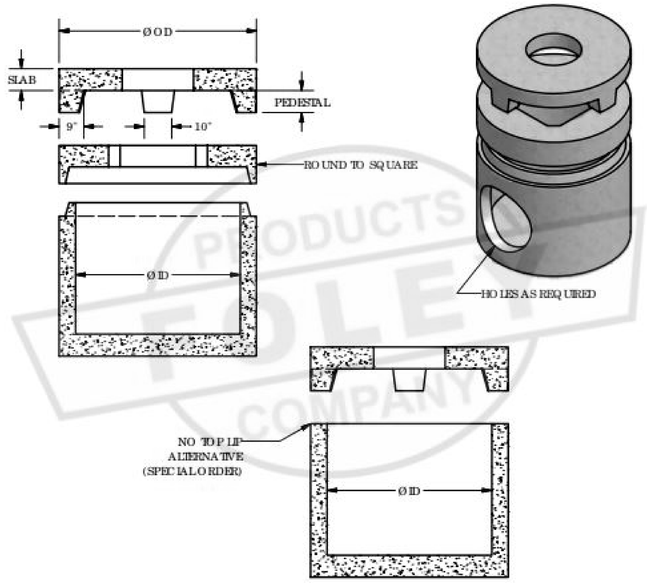
ID	OD	PEDESTAL	SLAB	TONS
48"	58"	6.0"	6"	0.69
60"	72"	8.0"	8"	1.41
72"	86"	8.0"	8"	2.02
84"	98"	7.0"	8"	2.62
96"	114"	7.5"	8"	3.54



MATERIALS:
CONCRETE 4,000 PSI, TYPE II CEMENT
REINFORCEMENT PER ASTM C-478

NOTES:
FLEXIBLE CONNECTORS ARE AVAILABLE

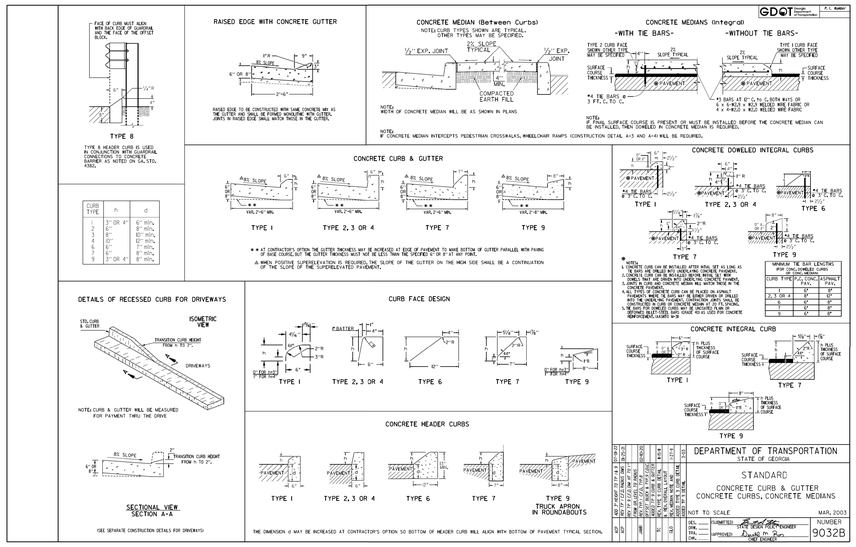
PARTS SHOWN:
Ø60" PEDESTAL TOP
Ø60" ROUND TO SQUARE
Ø60" 4'-0" BASE W/ Ø34" HOLE

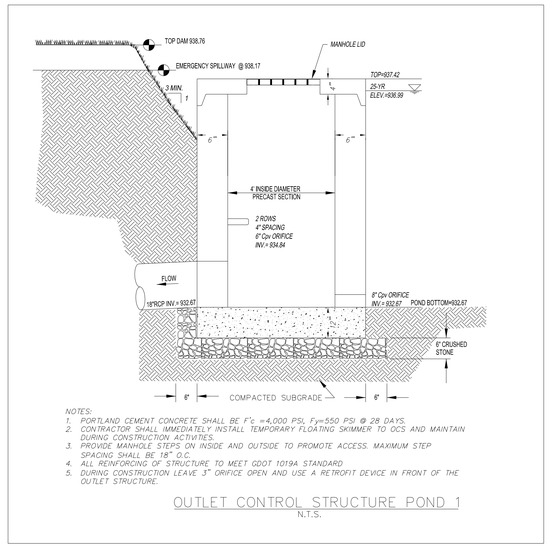
PRODUCTS FOLEY COMPANY

ROUND PRECAST

PEDESTAL TO PS

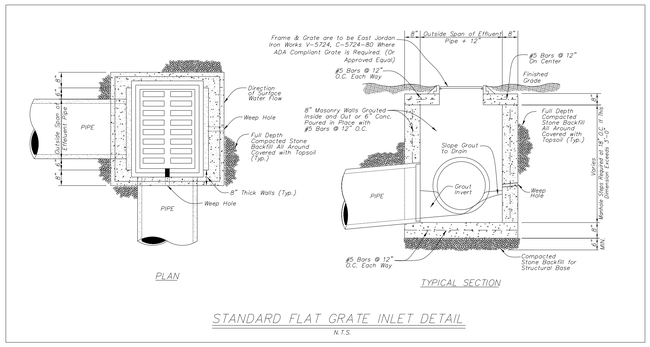
1.7





NOTES:
1. PORTLAND CEMENT CONCRETE SHALL BE F'c =4,000 PSI, Fy=550 PSI @ 28 DAYS.
2. CONTRACTOR SHALL IMMEDIATELY INSTALL TEMPORARY FLOATING SKIMMER TO OCS AND MAINTAIN DURING CONSTRUCTION ACTIVITIES.
3. PROVIDE MANHOLE STEPS ON INSIDE AND OUTSIDE TO PROMOTE ACCESS. MAXIMUM STEP SPACING SHALL BE 18" O.C.
4. ALL REINFORCING OF STRUCTURE TO MEET GDOT 1019A STANDARD
5. DURING CONSTRUCTION LEAVE 3" ORIFICE OPEN AND USE A RETROFIT DEVICE IN FRONT OF THE OUTLET STRUCTURE.

OUTLET CONTROL STRUCTURE POND 1
N.T.S.



STANDARD FLAT GRATE INLET DETAIL
N.T.S.

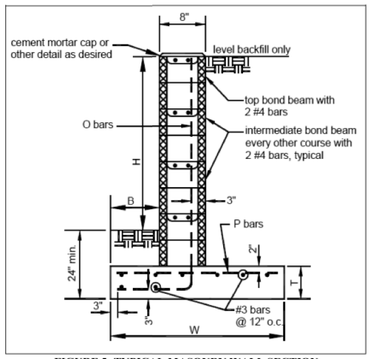


FIGURE 5: TYPICAL MASONRY WALL SECTION

TABLE 1: TYPICAL MASONRY WALL SPECIFICATIONS*

Dimensions, inches				Reinforcing Bars, inches on center	
H	B	W	T	O (dowels)	P
24	12	32	9	#3@32	#3@27
33	12	36	9	#4@32	#3@27
42	12	39	10	#5@32	#3@27
46	14	44	10	#4@16	#4@30
60	15	50	12	#6@24	#4@25

*Reference: National Concrete Masonry Association

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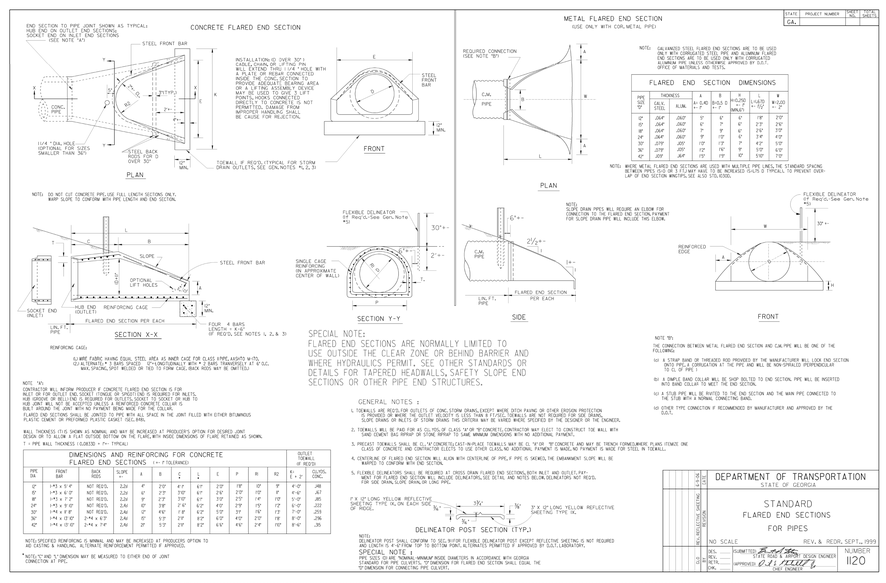

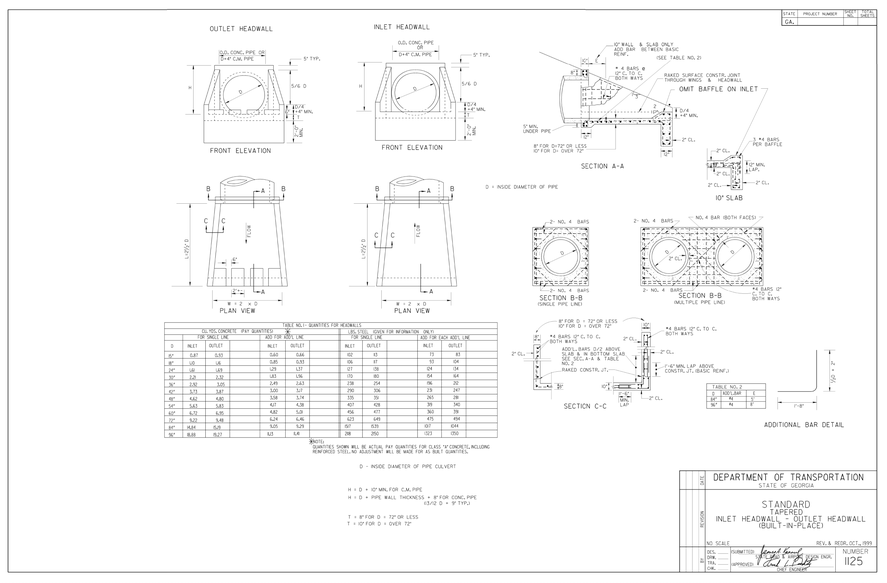

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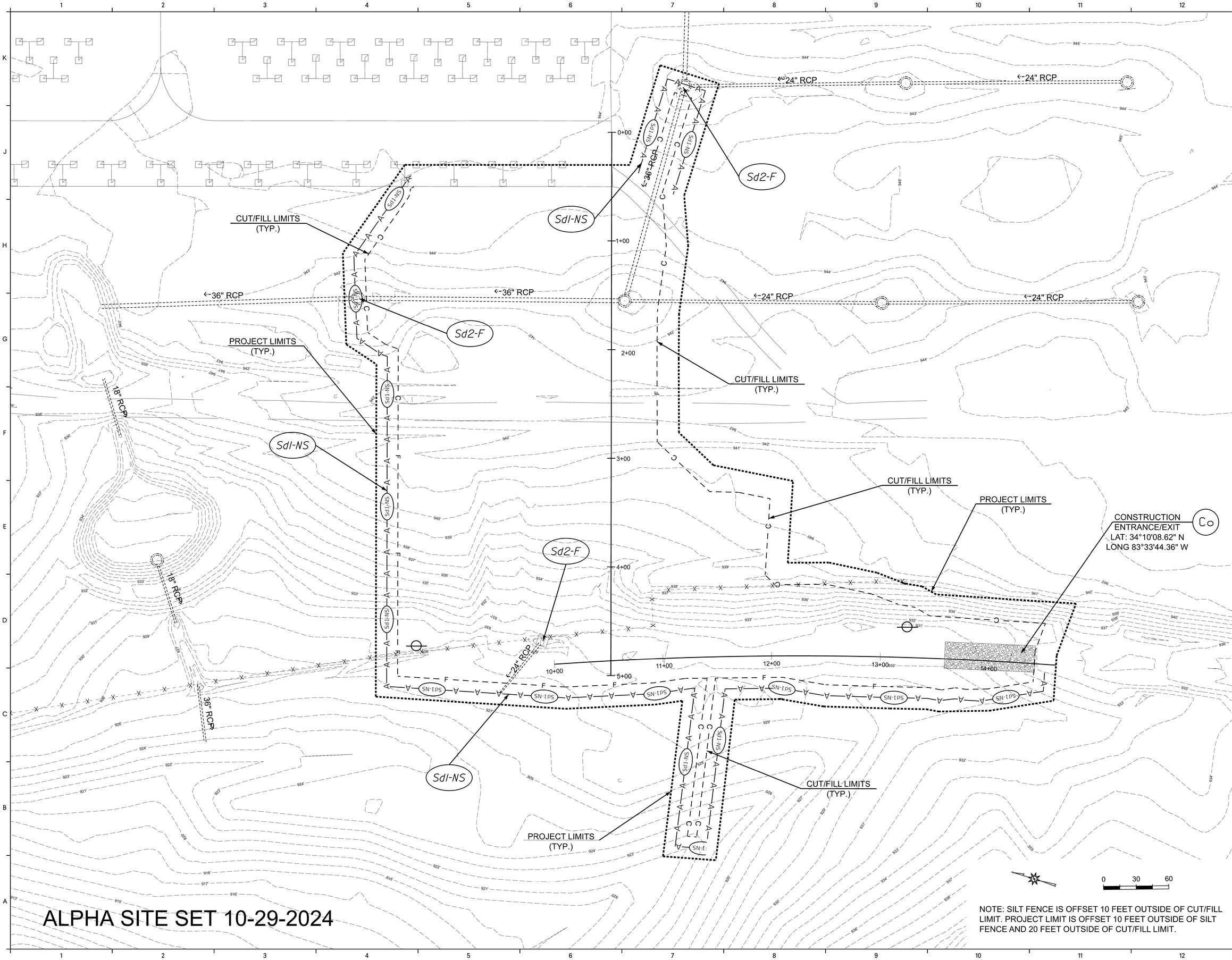
CONSTRUCTION DETAILS

C-302

sheet X of X



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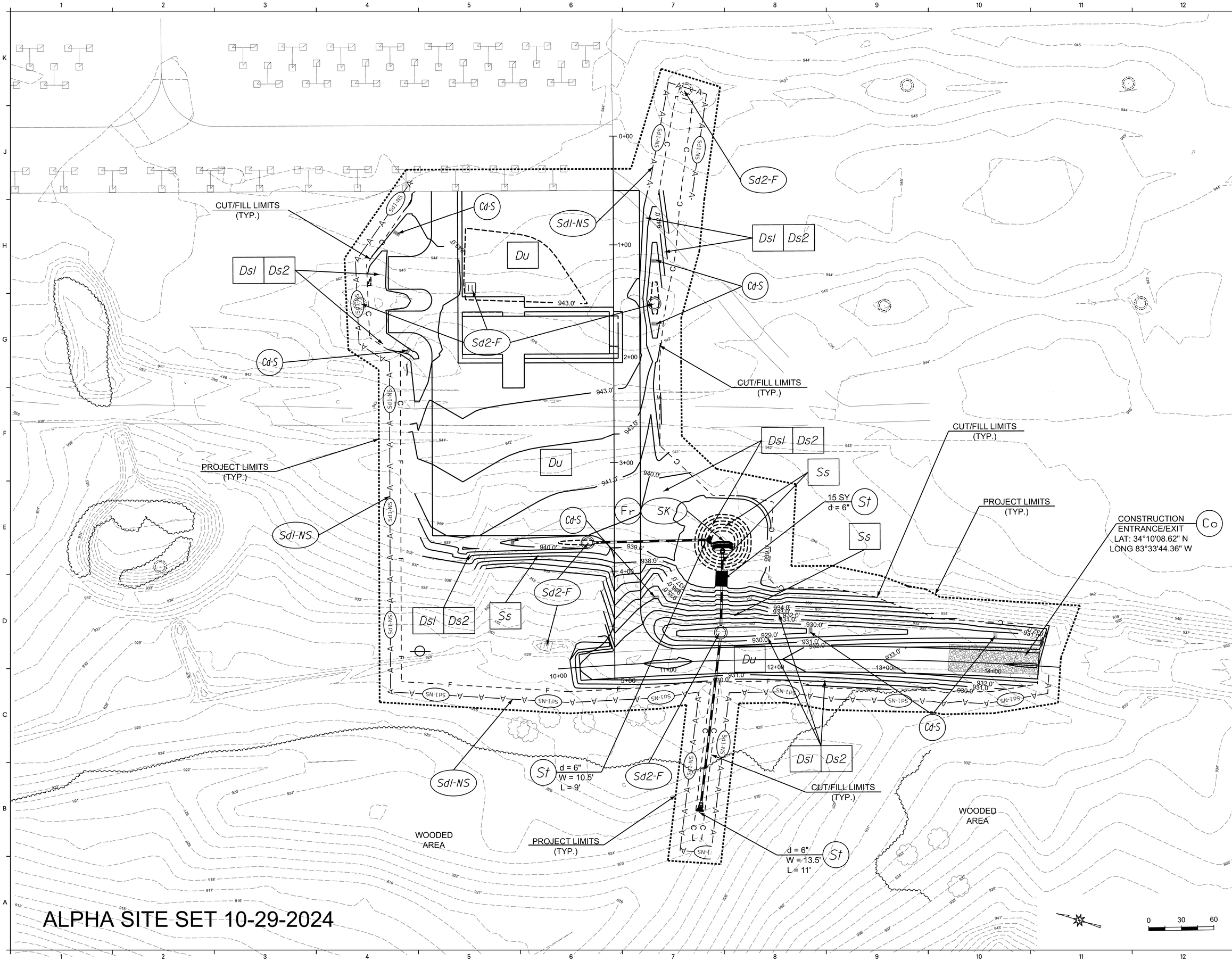
INITIAL PHASE - EROSION AND SEDIMENT CONTROL PLANS

C-401

sheet X of X



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INTERMEDIATE PHASE - EROSION AND SEDIMENT CONTROL PLANS

C-402

Sheet X of X

Ds4

Ds3

Ds3

CUT/FILL LIMITS
(TYP.)

PROJECT LIMITS
(TYP.)

CUT/FILL LIMITS
(TYP.)

Ds3

Ss

15 SY
d = 6"

St

Fr

Ss

CUT/FILL LIMITS
(TYP.)

PROJECT LIMITS
(TYP.)

CONSTRUCTION
ENTRANCE/EXIT
LAT: 34°10'08.62" N
LONG 83°33'44.36" W

Co

Ds4

Ss

Ds3

St
d = 6"
W = 10.5'
L = 9'

PROJECT LIMITS
(TYP.)

Ds3

CUT/FILL LIMITS
(TYP.)

d = 6"
W = 13.5'
L = 11'

St

0+00
1+00
2+00
3+00
4+00
5+00
10+00
11+00
12+00
13+00
14+00

0 30 60

ALPHA SITE SET 10-29-2024

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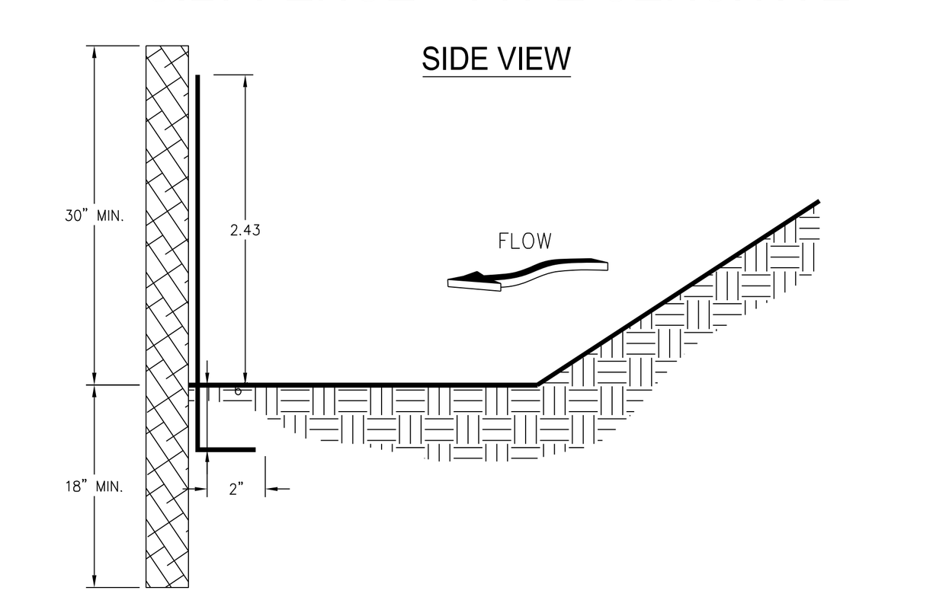
FINAL PHASE - EROSION AND SEDIMENT CONTROL PLANS

C-403

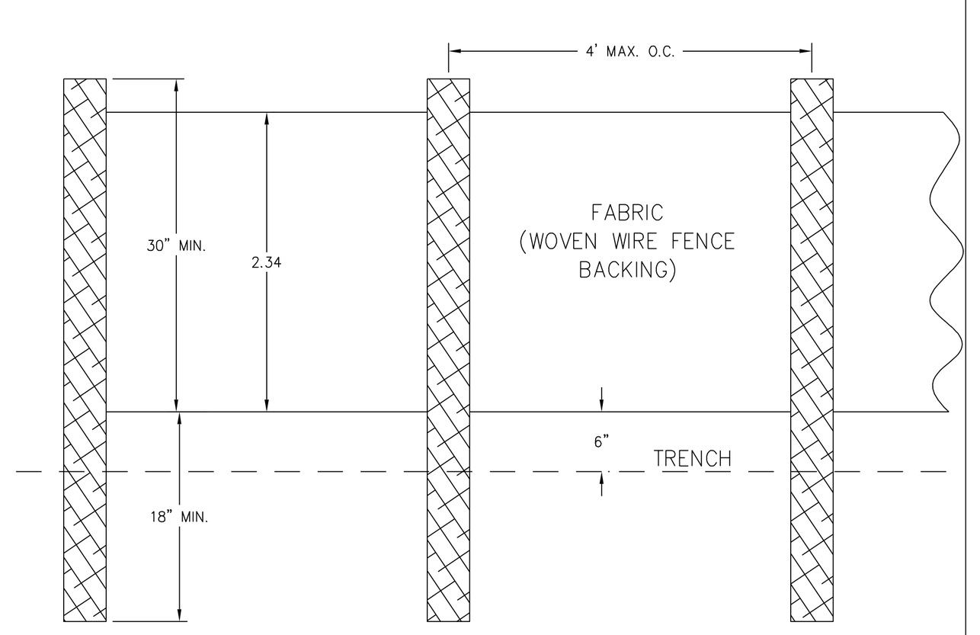
sheet X of X

SILT FENCE - TYPE SENSITIVE

SIDE VIEW



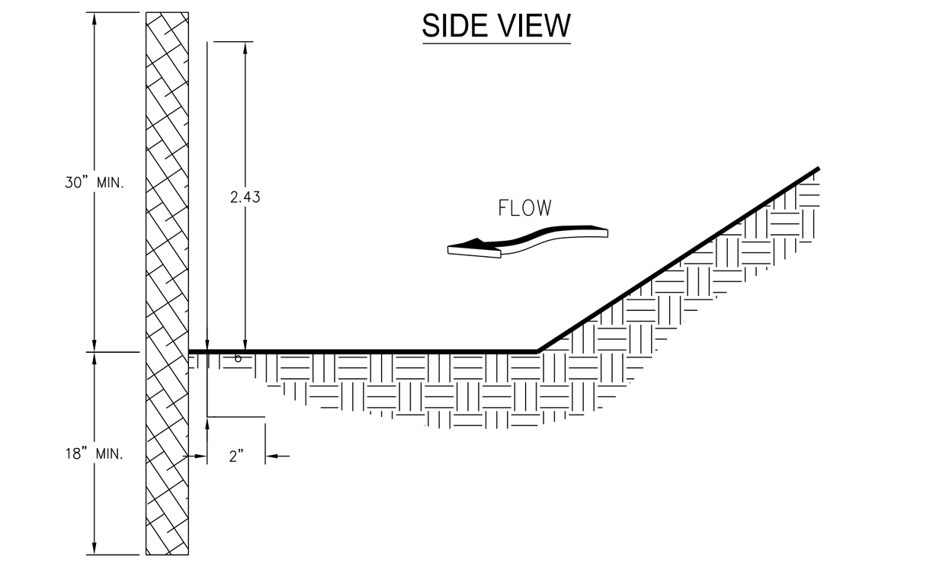
FRONT VIEW



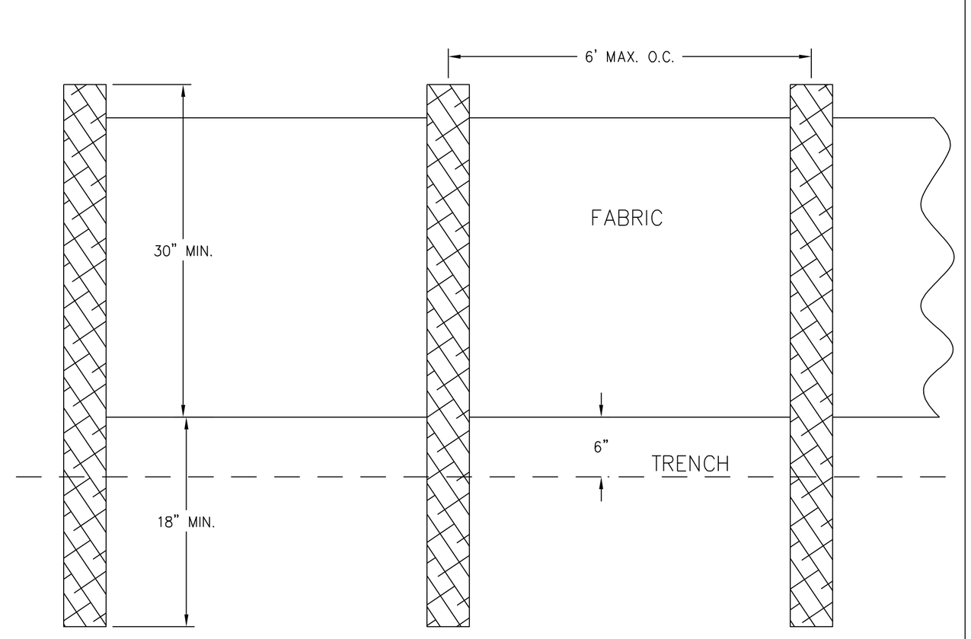
NOTES:
1. USE STEEL OR WOOD POSTS OR AS SPECIFIED BY THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
2. HEIGHT (*) IS TO BE SHOWN ON THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.

SILT FENCE - TYPE NON-SENSITIVE

SIDE VIEW



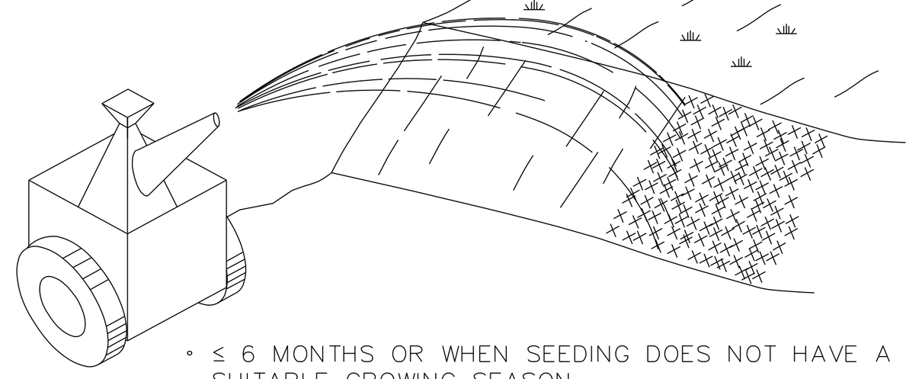
FRONT VIEW



NOTES:
1. USE STEEL OR WOOD POSTS OR AS SPECIFIED BY THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
2. HEIGHT (*) IS TO BE SHOWN ON THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.

Sd1 SEDIMENT BARRIER
(Sd1-S) TYPE SENSITIVE
(Sd1-NS) TYPE NON-SENSITIVE

A TEMPORARY COVER OVER BASE AREAS TO PREVENT EROSION AND REDUCE RUNOFF; TO CONSERVE MOISTURE; TO PREVENT SURFACE COMPACTION OR CRUSTING; TO CONTROL UNDESIRABLE VEGETATION; TO MODIFY SOIL TEMPERATURE AND TO INCREASE BIOLOGICAL ACTIVITY IN THE SOIL.

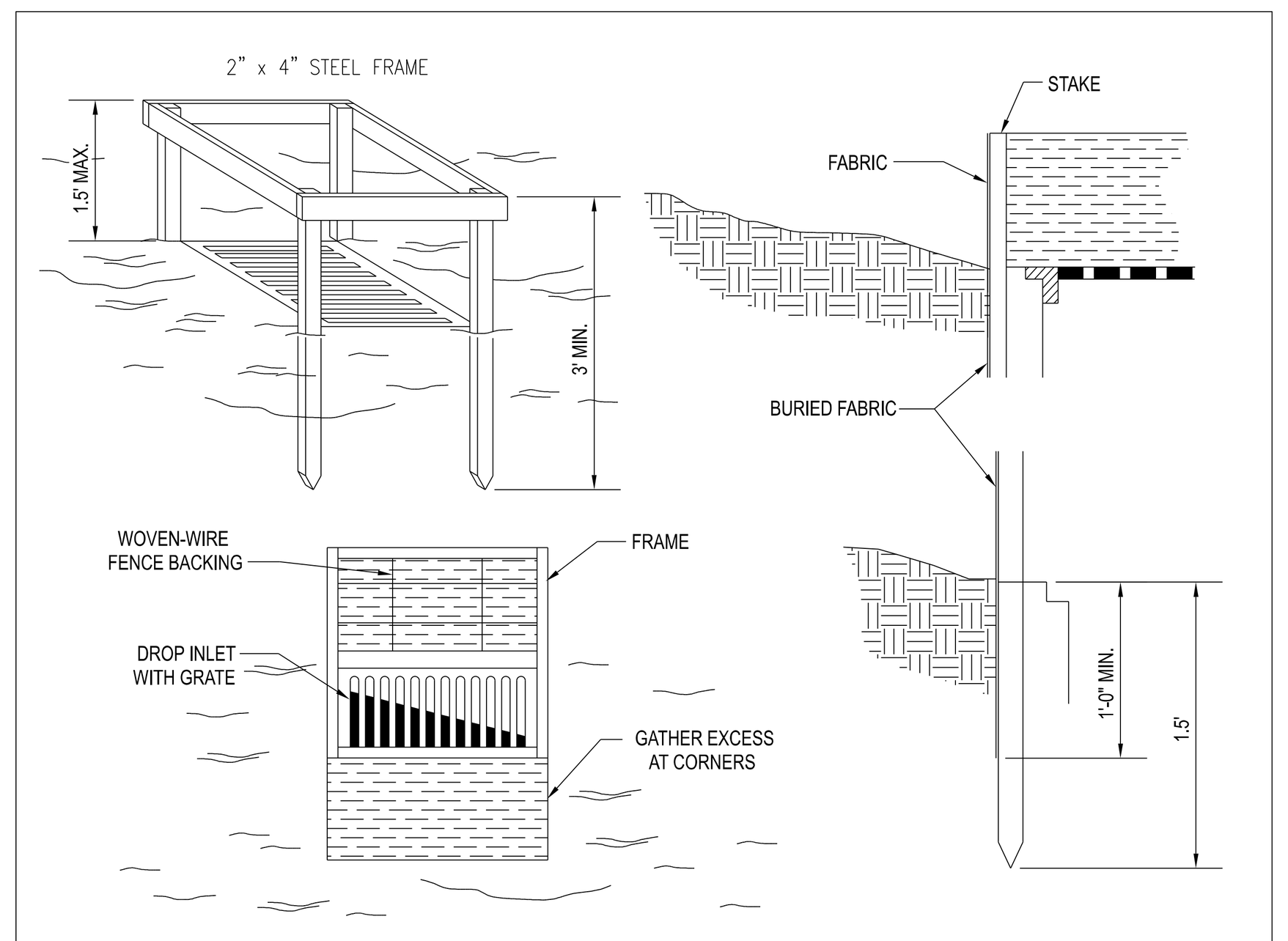


- ≤ 6 MONTHS OR WHEN SEEDING DOES NOT HAVE A SUITABLE GROWING SEASON
- MATERIALS AND RATES:

MATERIAL	RATE
STRAW OR HAY	2" to 4" DEEP
WOOD WASTE, CHIPS, SAWDUST OR BARK	2"-3" DEEP (ABOUT 6 TO 9 TONS/ACRE)
POLYETHYLENE FILM	COMPLETELY COVER AREA

- MAY BE NECESSARY TO ANCHOR

Ds1 (Ds1) DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)



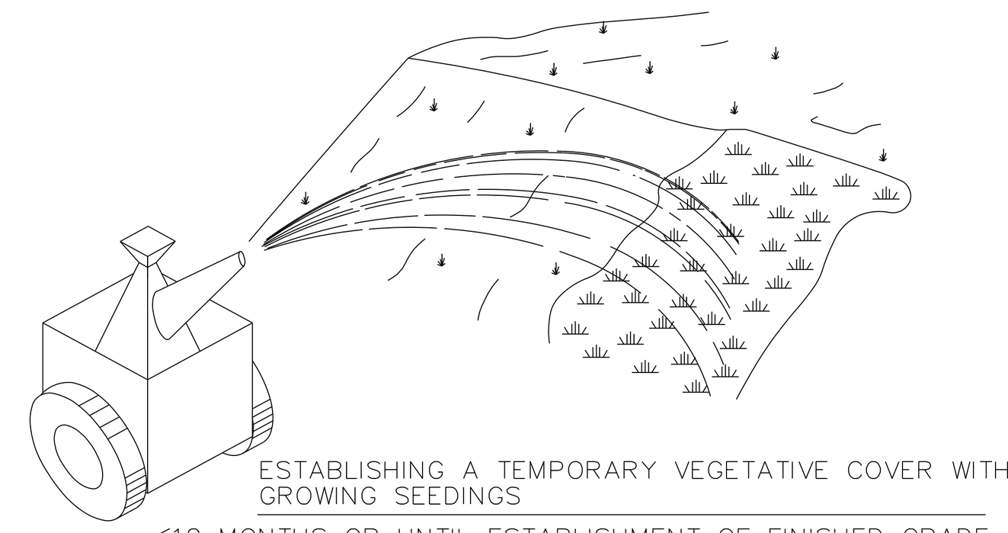
CONSTRUCTION SPECIFICATIONS

This method of inlet protection is applicable where the inlet drains a relatively flat area (slope no greater than 5%) and shall not apply to inlets receiving concentrated flows, such as in street or highway medians. Type C silt fence supported by steel posts shall be used. The stakes shall be spaced evenly around the perimeter of the inlet a maximum of 3 feet apart, and securely driven into the ground, approximately 18 inches deep. The fabric shall be entrenched 12 inches and backfilled with crushed stone or compacted soil. Fabric and wire shall be securely fastened to the posts, and fabric ends must be overlapped a minimum of 18 inches or wrapped together around a post to provide a continuous fabric barrier around the inlet.

MAINTENANCE

The trap shall be inspected daily and after each rain and repairs made as needed. Sediment shall be removed when the sediment has accumulated to one-half the height of the trap. Sediment shall be removed from curb inlet protection immediately. For excavated inlet sediment traps, sediment shall be removed when one-half of the sediment storage capacity has been lost to sediment accumulation. Sod inlet protection shall be maintained as specified in Ds4-Disturbed Area Stabilization (with sodding). Sediment shall not be washed into the inlet. It shall be removed from the sediment trap and disposed of and stabilized so that it will not enter the inlet, again. When the contributing drainage area has been permanently stabilized, all materials and any sediment shall be removed, and either salvaged or disposed of properly. The disturbed area shall be brought to proper grade, then smoothed and compacted. Appropriately stabilize all disturbed areas around the inlet.

Sd2-F INLET SEDIMENT TRAP
FILTER FABRIC WITH SUPPORTING FRAME



ESTABLISHING A TEMPORARY VEGETATIVE COVER WITH FAST GROWING SEEDINGS.

- ≤12 MONTHS OR UNTIL ESTABLISHMENT OF FINISHED GRADE OR PERMANENT VEGETATION
- SITE PREPARATION
  - GRADING AND SHAPING
  - SEED BED PREPARATION
  - APPLY LIME AND FERTILIZER
  - PLANT SEEDING, SELECT SPECIES BY SEASON AND REGION
  - APPLY MULCHING MATERIAL IF NEEDED
  - IRRIGATE IF NEEDED BUT NOT AT A RATE TO CAUSE EROSION
- PLANTING DATES DEPEND ON SPECIES AND REGION (MOUNTAIN, PIEDMONT OR COASTAL)

SPECIES	RATE PER 1,000 SQ. FT.	RATE PER ACRE	PLANTING DATES MOUNTAINS	PIEDMONT	COASTAL
RYE	3.9 LB.	3 BU. (168 LBS)	7/15-12/1	8/15-1/1	9/1-3/1
RYEGRASS ANNUAL	0.9 LB.	40 LBS.	8/1-5/1	8/1-4/15	8/15-4/1
ANNUAL LESPEDEZA	0.9 LB.	40 LBS.	2/1-5/1	2/15-5/1	1/15-3/15
WEEPING LOVEGRASS	0.1 LB.	4 LBS.	3/15-6/15	3/15-6/15	2/15-6/15
SUDANGRASS	1.4 LB.	60 LBS.	3/1-9/1	3/1-9/1	3/1-8/15
BROWNTOP MILLET	0.9 LB.	40 LBS.	4/1-7/1	4/1-7/15	4/1-7/15
WHEAT	4.1 LB.	3 BU. (180 LBS)	9/1-1/1	9/1-1/1	9/15-2/1

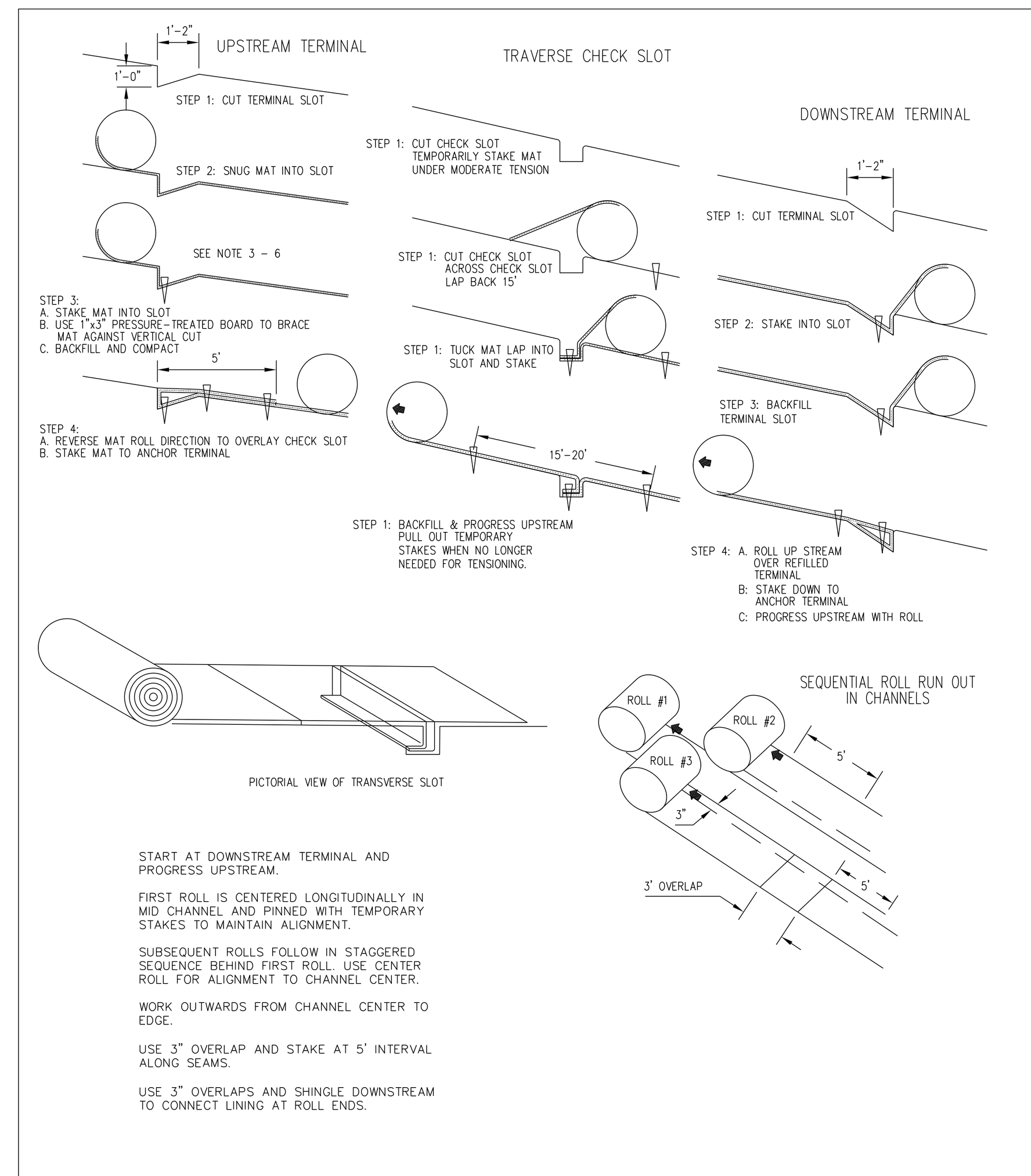
*UNUSUAL SITE CONDITIONS MAY REQUIRE HEAVIER SEEDING RATES. SEEDING DATES MAY NEED TO BE ALTERED TO FIT TEMPERATURE VARIATIONS AND LOCAL CONDITIONS.

LIME AND FERTILIZER:
AGRICULTURAL LIME IS REQUIRED UNLESS SOIL TESTS INDICATE OTHERWISE. APPLY AGRICULTURAL LIME AT A RATE OF ONE TON PER ACRE.
GRADED AREAS REQUIRE LIME APPLICATION. SOILS CAN BE TESTED TO DETERMINE IF FERTILIZER IS NEEDED. ON REASONABLY FERTILE SOILS OR SOIL MATERIAL, FERTILIZER IS NOT REQUIRED. FOR SOILS WITH VERY LOW FERTILITY, 500 TO 700 POUNDS OF 10-10-10 FERTILIZER OR THE EQUIVALENT PER ACRE (12-16 LBS./1,000 SQ. FT.) SHALL BE APPLIED. FERTILIZER SHOULD BE APPLIED BEFORE LAND PREPARATION AND INCORPORATED WITH A DISK, RIPPER OR CHISEL.

FERTILIZER REQUIREMENTS FOR TEMPORARY VEGETATION:

Types of Species	Planting Year	Fertilizer (N-P-K)	Rate (lbs./acre)	N Top Dressing Rate (lbs./acre)
Cool season grasses	First Second Maintenance	6-12-12 6-12-12 10-10-10	1500 1000 400	50-100 --- 30
Cool seasn grasses & legumes	First Second Maintenance	6-12-12 0-10-10 0-10-10	1500 1000 400	0-50 --- ---
Temporary cover crops seeded alone	First	10-10-10	500	30
Warm season grasses	First Second Maintenance	6-12-12 6-12-12 10-10-10	1500 800 400	50-100 50-100 30

Ds2 (Ds2) DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDINGS)



START AT DOWNSTREAM TERMINAL AND PROGRESS UPSTREAM

FIRST ROLL IS CENTERED LONGITUDINALLY IN MID CHANNEL AND PINNED WITH TEMPORARY STAKES TO MAINTAIN ALIGNMENT.

SUBSEQUENT ROLLS FOLLOW IN STAGGERED SEQUENCE BEHIND FIRST ROLL. USE CENTER ROLL FOR ALIGNMENT TO CHANNEL CENTER.

WORK OUTWARDS FROM CHANNEL CENTER TO EDGE.

USE 3" OVERLAP AND STAKE AT 5' INTERVAL ALONG SEAMS.

USE 3" OVERLAPS AND SHINGLE DOWNSTREAM TO CONNECT LINING AT ROLL ENDS.

Ss SLOPE STABILIZATION

Temporary Erosion Control Blankets

This includes temporary "combination" blankets (rolled erosion control blankets—RECB) consisting of a plastic netting which covers and is intertwined with a natural organic or manmade mulch; or, a jute mesh which is typically homogeneous in design and can act alone as a soil stabilization blanket.

Temporary blankets as a minimum shall be used to stabilize concentrated flow areas with a velocity less than 5 ft/sec and slopes 2:5:1 or steeper with a height of 10 feet or greater. Because temporary blankets will deteriorate in a short period of time, they provide no enduring reduction in erosion protection.

Benefits of using erosion control blankets include the following:
1. Protection of the seed and soil from raindrop impact and subsequent displacement.
2. Thermal consistency and moisture retention for seedbed area.
3. Stronger and faster germination of grasses and legumes.
4. Planing off excess stormwater runoff.
5. Prevention of sloughing of topsoil added to steeper slopes.

Permanent Erosion Control Matting

Consists of a permanent non-degradable, three-dimensional plastic structure which can be filled with soil prior to planting. These mats are also known as permanent soil reinforcing mats (turf reinforcement matting). Roots penetrate and become entangled in the matrix, forming a continuous anchorage for surface growth and promoting enhanced energy dissipation. Matting shall be used when a vegetative lining is desired in stormwater conveyance channels where the velocity is between five and ten per second.

Benefits of using erosion control matting include the following:
1. All benefits gained from using erosion control blankets.
2. Causes soil to drop out of stormwater and fill matrix with fine soils which become the growth medium for the development of roots.
3. Acts with the vegetative root system to form an erosion resistant cover which resists hydraulic lift and shear forces when embedded in the soil within stormwater channels.

Materials

All blanket and matting materials shall be on the Georgia Department of Transportation Qualified Products List (QPL #62 for blankets, QPL #49 for matting).
All blankets shall be nontoxic to vegetation and to the germination of seed and shall not be injurious to the unprotected skin of humans. At a minimum, the plastic netting shall be intertwined with the mulching material/fiber to maximize strength and provide for ease of handling.

Temporary Blankets

Machine produced temporary combination blankets shall have a consistent thickness with the organic material evenly distributed over the entire blanket area. All combination blankets shall have a minimum width of 48 inches. Machine produced combination blankets include the following:
1. Straw blankets are combination blankets that consist of weed-free straw from agricultural crops formed into a blanket. Blankets with a top side of photodegradable plastic mesh with a maximum mesh size of 5/16 x 5/16 inch and sewn to the straw with biodegradable thread is appropriate for slopes. The blanket shall have a minimum thickness of 3/8 inch and minimum dry weight of 0.5 pounds per square yard.
2. Excelsior blankets are combination blankets that consist of curled wood excelsior (80f fibers are six inches or longer) formed into a blanket. The blanket shall have clear markings indicating the top- side of the blanket and be smolder resistant. Blankets shall be photodegradable plastic mesh having a maximum mesh size of 1 1/2 x 3 inches. The blanket shall have a minimum thickness of 1/4 of an inch and a minimum dry weight of 0.8 pounds per square yard. Slopes require excelsior matting with the topside of the blanket covered in the plastic mesh, and for waterways, both sides of the blanket require plastic mesh.
3. Coconut fiber blankets are combination blankets that consist of 100% coconut fiber formed into a blanket. The minimum thickness of the blanket shall be 1/4 of an inch with a minimum dry weight of 0.5 pounds per square yard. Blankets shall have photodegradable plastic mesh, with a maximum mesh size of 5/8 x 5/8 inch and sewn to the fiber with a breakdown resistant synthetic yarn. Plastic mesh is required on both sides of the blanket is used in waterways. A maximum of two inches is allowable for the stitch pattern and row spacing.
4. Wood fiber blankets are combination blankets that consist of reprocessed wood fibers that do not possess or contain any growth or germination inhibiting factors. The blanket shall have a photodegradable plastic mesh, with a maximum mesh size of 5/8 x 3/4 inch, securely bonded to the top of the mat. The blanket shall have a minimum dry weight of 0.35 pounds per square yard. A maximum of two inches is allowable for the stitch pattern and row spacing. This practice shall be applied only to slopes.
5. Jute Mesh can be applied to slopes. Jute mesh with a 48 inch width shall show between 76 and 80 warpings and a one yard length shall show between 39 to 43 weftings. The woven mesh shall be at least 45 inches wide. Yarn shall have a unit weight of at least 0.9 pounds per square yard, but not more than 1.5 pounds per square yard.

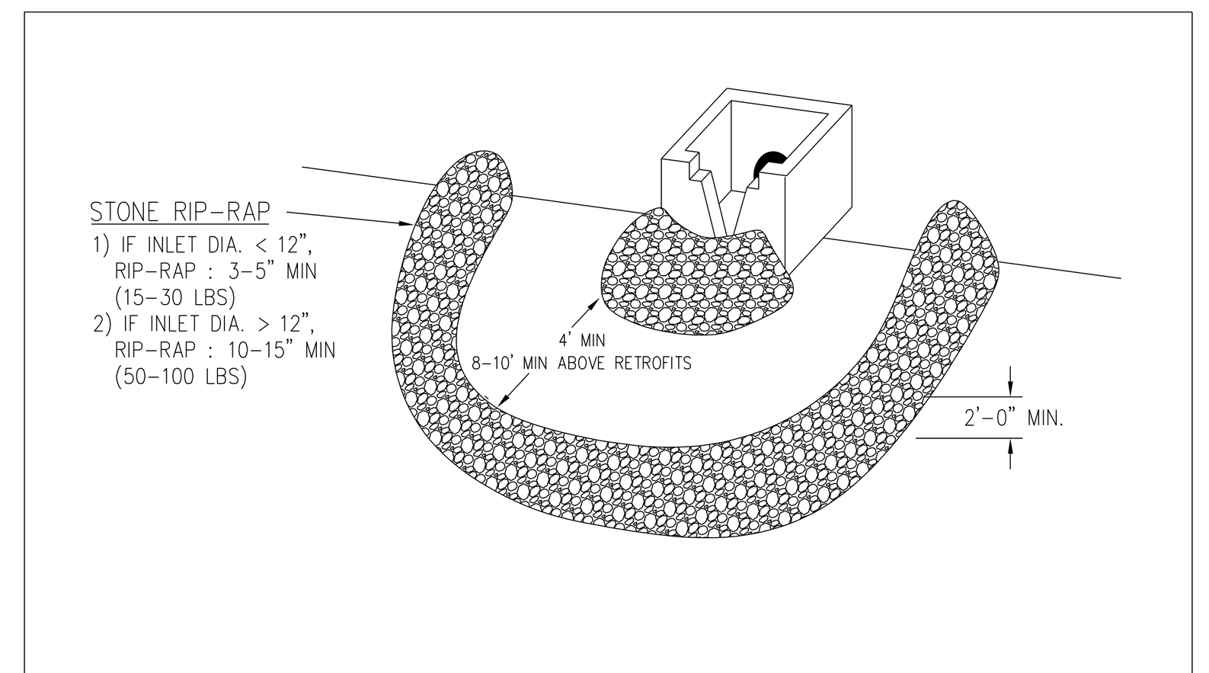
Permanent Matting

Permanent matting shall consist of a lofty web of mechanically or melt bonded polymer nettings, monofilaments or fibers which are entangled to form a strong and dimensionally stable matrix. Polymer welding, thermal of polymer fusion, or the placement of fibers between two high strength, biaxially oriented nets bound securely together by parallel lock stitching with polyolefin, nylon or polyester threads are all appropriate bonding methods. Mats shall maintain their shape before, during, and after installation, under dry or water saturated conditions. Mats must be stabilized against ultraviolet degradation and shall be inert to chemicals normally encountered in a natural soil environment.

The mat shall conform to the following physical properties:

Property	Minimum Value
Thickness	0.5 inch
Weight	0.6 PSY
Roll Width	38 inches
Tensile Strength	
Length (50% elongation)	15 lbs./in.
Length (ultimate)	20 lbs./in.

STONE RIP-RAP
1) IF INLET DIA. < 12", RIP-RAP : 3-5" MIN (15-30 LBS)
2) IF INLET DIA. > 12", RIP-RAP : 10-15" MIN (50-100 LBS)



CONSTRUCTION SPECIFICATIONS

Mechanical or hand placement of stone shall be required to uniformly surround the structure to be supplemented. Refer to rock riprap specifications shown within these plans.

The filter ring may be constructed on natural ground surface, on an excavated surface, or on machine compacted fill. The filter ring shall surround all sides of the structure receiving runoff from disturbed areas.

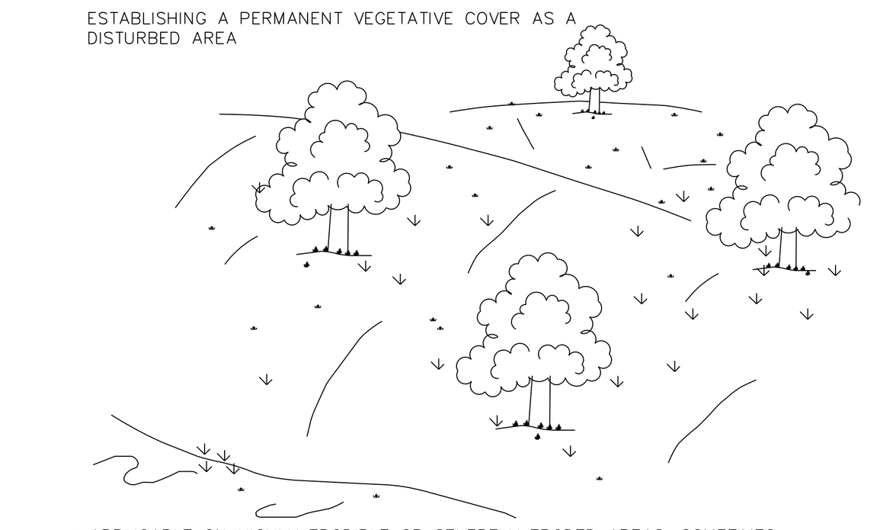
A common failure of filter rings is caused by their placement too close or too high above the structure it is enhancing. When utilized below a storm drain outlet, it shall be placed such that it does not create a condition causing water to back-up into the storm drain and inhibit the function of the storm drain system.

MAINTENANCE

The filter ring must be kept clear of trash and debris. This will require continuous monitoring and maintenance, which includes sediment removal when one-half full. Structures are temporary and should be removed when the land-disturbing project has been stabilized.

Fr FILTER RING

ESTABLISHING A PERMANENT VEGETATIVE COVER AS A DISTURBED AREA



- APPLICABLE ON HIGHLY ERODIBLE OR SEVERELY ERODED AREAS, SOMETIMES CALLED "CRITICAL AREAS" INCLUDING:
  - * CUT OR FILL SLOPES
  - * EARTH SPILLWAYS
  - * BORROW AREAS
  - * CHANNEL BANKS
  - * BERMS
  - * ROADSIDES
  - * SPOIL AREAS
  - * GULLIED LANDS
- GRADING AND SHAPING REQUIRED WHERE FEASIBLE AND PRACTICAL
- SEED BED PREPARATION
  - * NOT REQUIRED IF USING HYDRAULIC SEEDING AND FERTILIZING
  - * WHEN REQUIRED

SLOPE	SEED BED
3:1 OR FLATTER	≥4" DEEP
2:1 TO 3:1	1" TO 4" DEEP
2:1 OR STEEPER	DEPRESSIONS EVERY 6" TO 8" APART WITH HAND TOOL

- HAVE SOIL ANALYZED FOR LIME AND FERTILIZER RATE
- MULCH SHALL BE APPLIED TO COVER 90% OF THE SOIL SURFACES.
- ANCHOR MULCH IMMEDIATELY

PERMANENT GRASSING — GRASS SEED ON LEVEL OR SLIGHTLY SLOPING GROUND SHALL CONSIST OF THE FOLLOWING FOR THE PLANTING DATES SPECIFIED:
(A) MARCH 1 TO JUNE 30
COMMON BERMUDA (HULLED) 10 LBS/ACRE
TALL FESCUE 50 LBS/ACRE
(B) AUGUST 1 TO NOVEMBER 1
TALL FESCUE 50 LBS/ACRE
COMMON BERMUDA (UNHULLED) 10 LBS/ACRE
(C) NOVEMBER 1 TO MARCH 1
COMMON BERMUDA (UNHULLED) 10 LBS/ACRE

PERMANENT GRASSING — GRASS SEED ON LEVEL OR SLOPES 3:1 OR STEEPER AND INFREQUENTLY MOWED AREAS SHALL CONSIST OF THE FOLLOWING FOR THE PLANTING DATES SPECIFIED:
(A) MARCH 1 TO JUNE 15
WEEPING LOVEGRASS 4 LBS/ACRE
SERICEA LESPEDEZA (SCARIFIED) 60 LBS/ACRE
(B) AUGUST 1 TO NOVEMBER 1
TALL FESCUE 50 LBS/ACRE
SERICEA LESPEDEZA (UNSCARIFIED) 75 LBS/ACRE
(C) NOVEMBER 1 TO MARCH 1
COMMON BERMUDA (UNHULLED) 10 LBS/ACRE
SERICEA LESPEDEZA (UNSCARIFIED) 75 LBS/ACRE

WHEN AS DIRECTED BY THE ENGINEER, SEED OF AN APPROVED QUICK GROWING SPECIES OF GRASS, SUCH AS RYE, ITALIAN RYE, MILLET OR OTHER CEREAL GRASS, SHALL BE APPLIED AT A RATE OF 30 LBS/ACRE IN CONJUNCTION WITH AND IN ADDITION TO THE SEED MIXTURE SPECIFIED ABOVE ABOVE.

FERTILIZER — COMMERCIAL FERTILIZER SHALL COMPLY WITH THE STATE FERTILIZER LAWS AND SHALL BE OF AN ACCEPTED AND APPROVED COMMERCIAL BRAND. FERTILIZER SHALL BE A READY MIXED MATERIAL CONTAINING THE SOIL NUTRIENTS AS SPECIFIED AND IN A SUITABLE FORM COMPATIBLE WITH THE EQUIPMENT USED TO ACHIEVE UNIFORM DISTRIBUTION OF THE FERTILIZER. THE FERTILIZER MIXTURE SHALL CONTAIN THE FOLLOWING NUTRIENTS EXPRESSED IN PERCENT OF THE TOTAL WEIGHT: 6% NITROGEN 12% AVAILABLE PHOSPHORIC ACID, AND 12% WATER SOLUBLE POTASH (6-12-12) ANALYSIS. CONTAINER TAGS SHALL HAVE THE NAME AND ADDRESS OF THE MANUFACTURER, THE BRAND NAME, NET WEIGHT, AND CHEMICAL COMPOSITION OF ANALYSIS. FERTILIZER SHALL BE APPLIED AT THE RATE OF 1,500 LBS PER ACRE AT THE TIME OF SEEDING.

LIME — AGRICULTURAL DOLOMETIC LIME SHALL BE A PULVERIZED LIMESTONE HAVING A CALCIUM CARBONATE EQUIVALENT CONTENT OF NOT LESS THAN 90%, OF THE TOTAL MATERIAL SHALL PASS A 10-MESH SIEVE AND AT LEAST 25% SHALL PASS A 100-MESH SIEVE. LIME SHALL BE APPLIED AS INDICATED BY THE SOIL TEST. OR THE RATE OF 1 TO 2 TONS PER ACRE.

WATER — THE WATER USED IN THE GRASSING OPERATIONS MAY BE OBTAINED FROM ANY APPROVED SPRING, POND, LAKE, STREAM, OR MUNICIPAL WATER SYSTEM. THE WATER SHALL BE FREE OF EXCESS AND HARMFUL CHEMICALS, ACIDS, ALKALIZES, OR ANY SUBSTANCE WHICH MIGHT BE HARMFUL TO PLANT GROWTH.

WATERING MAINTENANCE AND RESEEDING — CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE PROPER MOISTURE CONTENT OF THE SOIL TO INSURE ADEQUATE PLANT GROWTH UNTIL A SATISFACTORY STAND OF GRASS IS OBTAINED. WATERING SHALL BE PERFORMED TO MAINTAIN AN ADEQUATE WATER CONTENT IN THE SOIL.

THE CONTRACTOR SHALL MOW AND MAINTAIN ALL SEEDED AREAS WITHOUT ADDITIONAL PAYMENT UNTIL FINAL ACCEPTANCE OF THE WORK BY THE OWNER, AND ANY REGRADING, REFERTILIZING, RELIMING, RESEEDING OR REMULCHING SHALL BE DONE AT HIS OWN EXPENSE. SEEDING WORK SHALL BE REPEATED ON DEFECTIVE AREAS UNTIL A SATISFACTORY UNIFORM STAND OF GRASS IS ACCOMPLISHED. DAMAGE RESULTING FROM EROSION, GULLIES, WASHOUTS, OR OTHER CAUSES SHALL BE REPAIRED BY FILLING WITH TOPSOIL, COMPACTING, AND PREPARING THE SEEDING WORK AT HIS EXPENSE.

EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. ADDITIONAL EROSION AND SEDIMENT CONTROL WILL BE INSTALLED IF DEEMED NECESSARY BY ON-SITE INSPECTION.

THE INSTALLATION OF EROSION CONTROL MEASURES AND PRACTICES SHALL BE INSTALLED PRIOR TO OR CONCURRENT WITH LAND DISTURBING ACTIVITIES.

Ds3 (Ds3) DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION)

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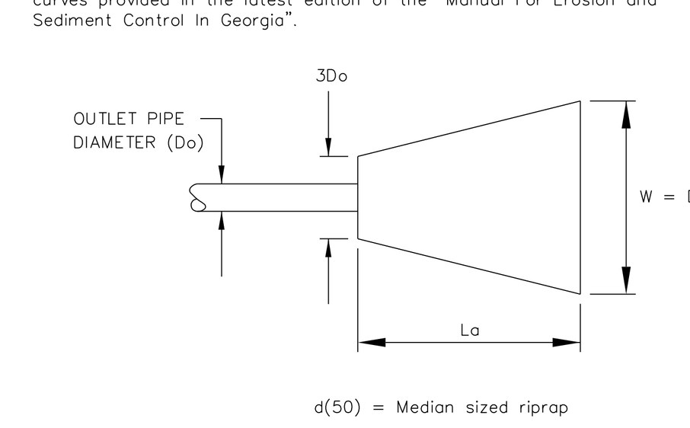
1. La is the length of the riprap apron.
2. D = 1.5 times the maximum stone diameter but not less than 6".
3. In a well-defined channel extend the apron up the channel banks to an elevation of 6' above the maximum tailwater depth or to the top bank, whichever is less.
4. A filter blanket or filter fabric should be installed between the riprap and soil foundation.
5. The median sized stone for riprap, d(50), shall be determined from curves provided in the latest edition of the "Manual For Erosion and Sediment Control In Georgia".



d(50) = Median sized riprap

St STORM DRAIN OUTLET PROTECTION

PURPOSE: 1. TO PREVENT THE MOVEMENT OF DUST FROM EXPOSED SOIL SURFACES
2. PREVENT THE MOVEMENT OF AIRBORNE SUBSTANCES THAT MAY BE HARMFUL TO HEALTH.

INSTALLATION: 1. APPLY ACCORDINGLY TO APPROVED PLAN, IF SHOWN.
2. MULCH DISTURBED AREAS AND TACKIFY WITH RESINS SUCH AS ASPHALT, CURASOL OR TERRATACK ACCORDING TO MANUFACTURERS RECOMMENDATIONS
3. STABILIZE DISTURBED AREAS WITH TEMPORARY OR PERMANENT VEGETATION.
4. IRRIGATE DISTURBED AREAS UNTIL SURFACE IS WET.
5. COVER SURFACES WITH CRUSHED STONE OR GRAVEL.
6. APPLY CALCIUM CHLORIDE AT A RATE TO KEEP SURFACE MOIST.
7. APPLY SPRAY-ON ADHESIVES TO MINERAL SOILS (NOT MUCK SOILS) AS DESCRIBED IN TABLE 1

TABLE 1

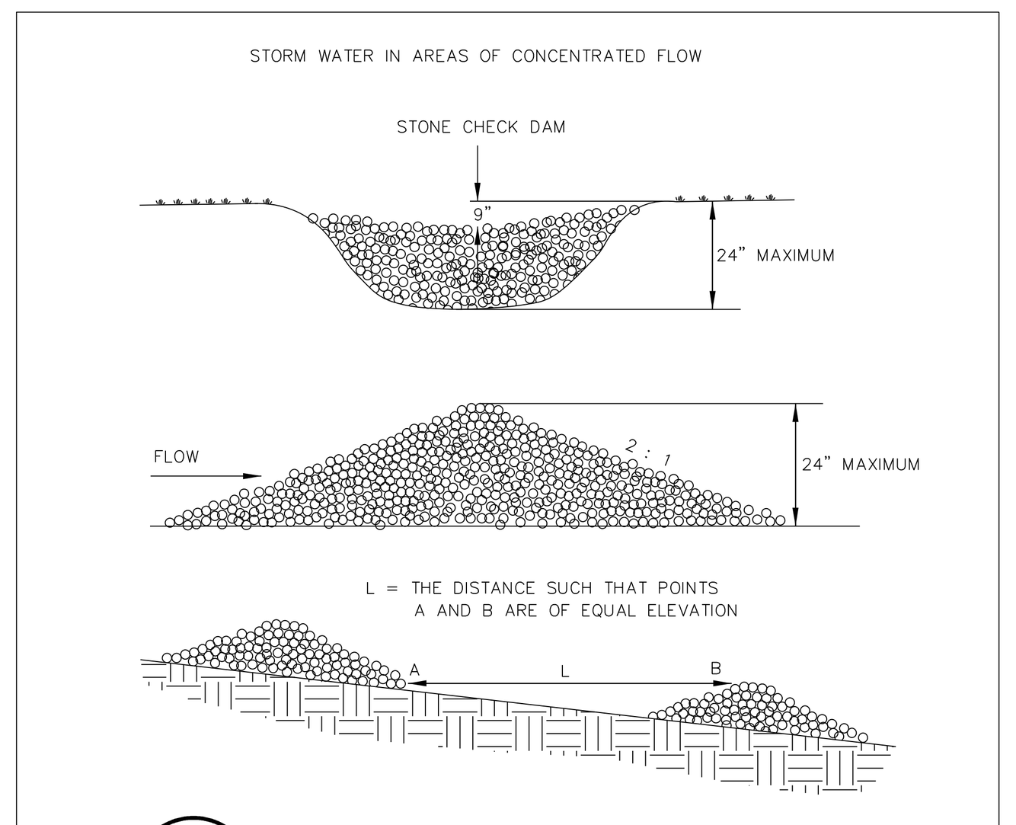
ANIONIC ASPHALT EMULSION	7:1	COARSE SPRAY	1,200
LATEX EMULSION	12.5:1	FINE SPRAY	235
RESIN-IN-WATER EMULSION	4:1	FINE SPRAY	300

MAINTENANCE: 1. PROHIBIT TRAFFIC ON SURFACE AFTER SPRAYING.
2. SUPPLEMENTAL SURFACE COVERING AS NEEDED.

REFERENCES: 1. Ds1
2. Ds2
3. Ds3
4. Ds4

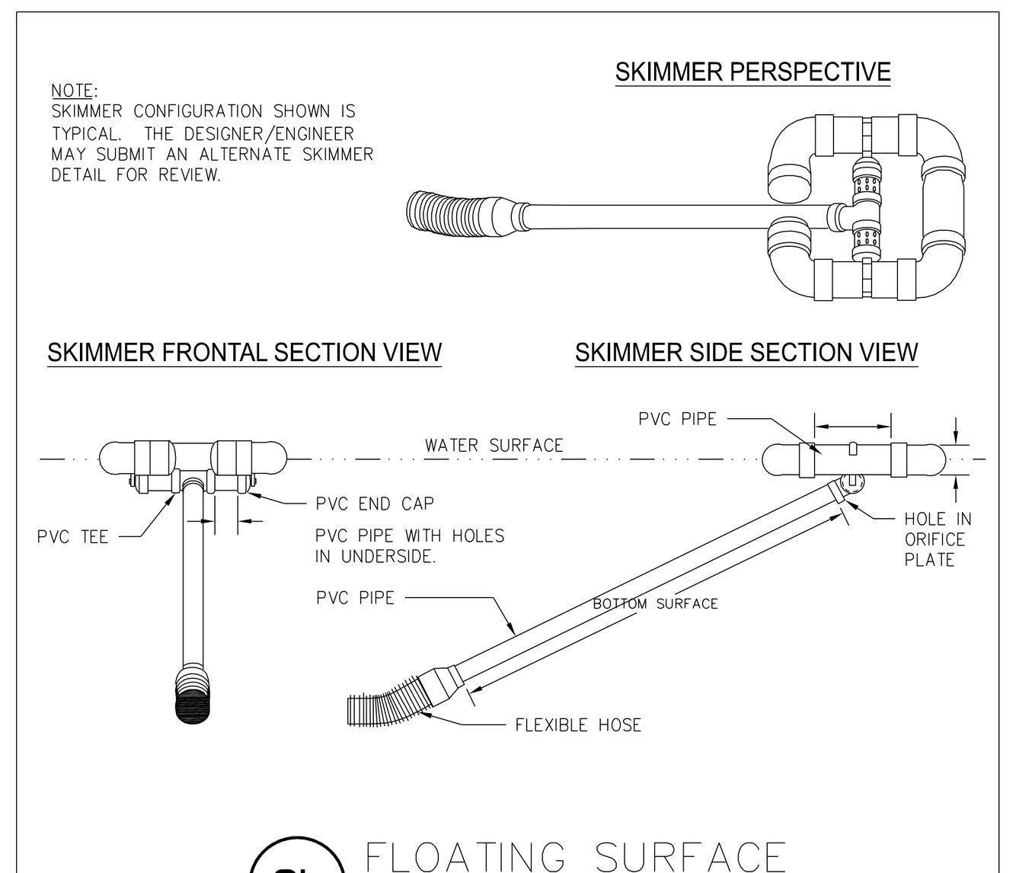
Du DUST CONTROL ON DISTURBED AREAS

STORM WATER IN AREAS OF CONCENTRATED FLOW



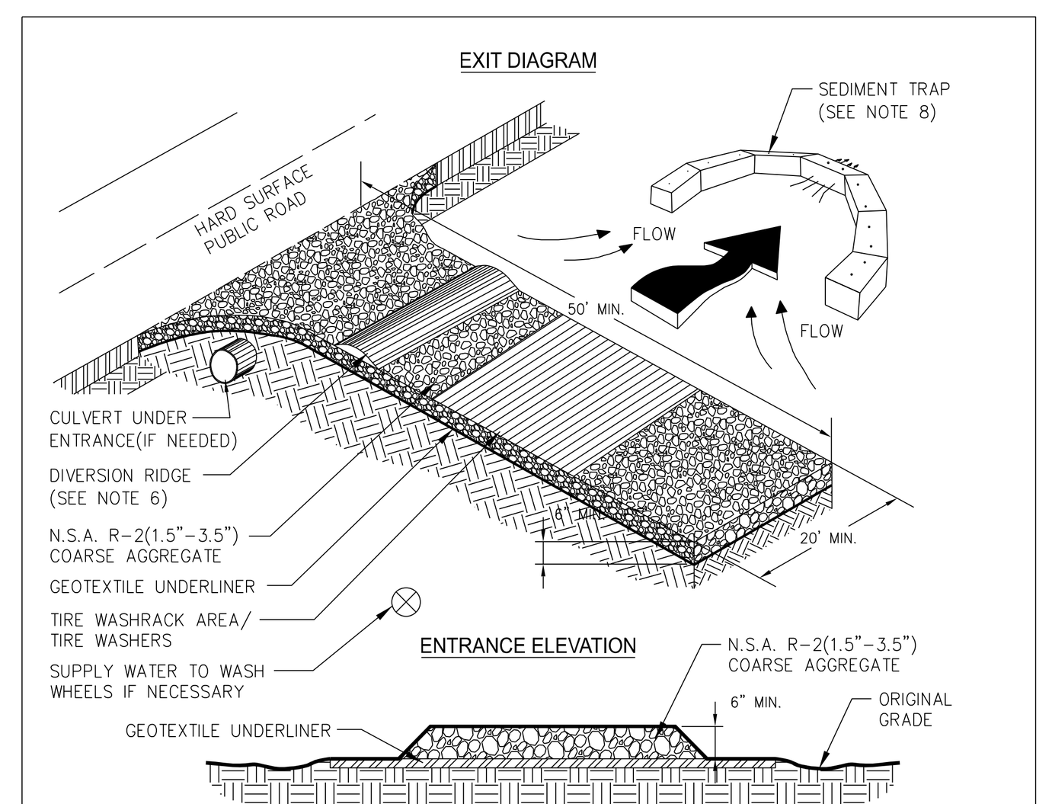
Cd-S (Cd-S) STONE CHECK DAM

NOTE:
SKIMMER CONFIGURATION SHOWN IS TYPICAL. THE DESIGNER/ENGINEER MAY SUBMIT AN ALTERNATE SKIMMER DETAIL FOR REVIEW.



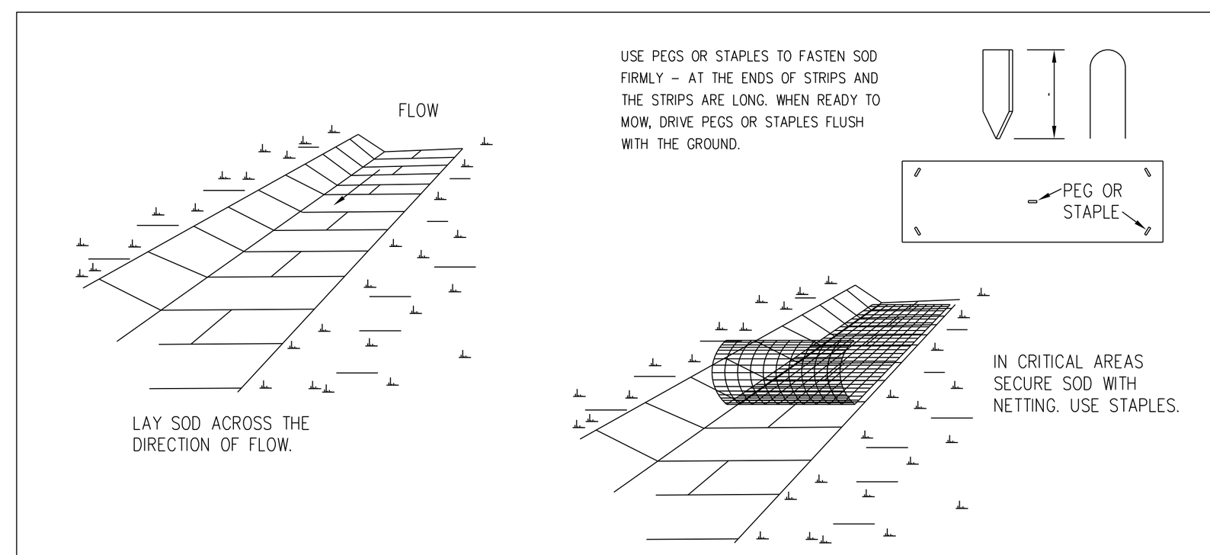
Sk FLOATING SURFACE SKIMMER

EXIT DIAGRAM



NOTES:
1. AVOID LOCATING ON STEEP SLOPES OR AT CURVES ON PUBLIC ROADS.
2. REMOVE ALL VEGETATION AND OTHER UNSUITABLE MATERIAL FROM THE FOUNDATION AREA, GRADE, AND CROWN FOR POSITIVE DRAINAGE.
3. AGGREGATE SIZE SHALL BE IN ACCORDANCE WITH NATIONAL STONE ASSOCIATION R-2 (1.5"-3.5" STONE).
4. GRAVEL PAD SHALL HAVE A MINIMUM THICKNESS OF 6".
5. PAD WIDTH SHALL BE EQUAL FULL WIDTH AT ALL POINTS OF VEHICULAR EGRESS, BUT NO LESS THAN 20'.
6. A DIVERSION RIDGE SHOULD BE CONSTRUCTED WHEN GRADE TOWARD PAVED AREA IS GREATER THAN 2%..
7. INSTALL PIPE UNDER THE ENTRANCE IF NEEDED TO MAINTAIN DRAINAGE DITCHES.
8. WHEN WASHING IS REQUIRED, IT SHOULD BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN (DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM THE ENTRANCE TO A SEDIMENT CONTROL DEVICE).
9. WASHRACKS AND/OR TIRE WASHERS MAY BE REQUIRED DEPENDING ON SCALE AND CIRCUMSTANCE. IF NECESSARY, WASHRACK DESIGN MAY CONSIST OF ANY MATERIAL SUITABLE FOR TRUCK TRAFFIC THAT REMOVE MUD AND DIRT.
10. MAINTAIN AREA IN A WAY THAT PREVENTS TRACKING AND/OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.

Co TEMPORARY CONSTRUCTION EXIT



CONSTRUCTION SPECIFICATIONS INSTALLATION

Soil Preparation:

Bring soil surface to final grade. Clear surface of trash, woody debris, stones and clods larger than 1". Apply sod to soil surfaces only and not frozen surfaces, or gravel type soils.

Topsoil properly applied will help guarantee a stand. Don't use topsoil recently treated with herbicides or soil sterilants.

Mix fertilizer into soil surface. Fertilize based on soil tests or the table below.

Fertilizer Requirements for Soil Surface Application

Fertilizer Type	Fertilizer Rate (lbs./acre)	Fertilizer Rate (lbs./sq.ft.)	Season
10-10-10	1000	.025	Fall

Agricultural lime should be applied based on soil tests or at a rate of 1 to 2 tons per acre.

Installation:

Lay sod with tight joints and in straight lines. Don't overlap joints. Stagger joints and do not stretch sod.

On slopes steeper than 3:1, sod should be anchored with pins or other approved methods. Installed sod should be rolled or tamped to provide good contact between sod and soil.

Irrigate sod and soil to a depth of 4" immediately after installation.

Sod should not be cut or spread in extremely wet or dry weather. Irrigation should be used to supplement rainfall for a minimum of 2-3 weeks.

Materials:

Sod selected should be certified. Sod grown in the general area of the project is desirable.

1. Sod should be machine cut and contain 3/4" (+ or - 1/4") of soil, not including shoots or thatch.

Sod Planting Requirement

Grass	Varieties	Growing Season
Bermudagrass	Common Tifway Tifgreen Tiflawn	Warm Weather
Bahiagrass	Pensacola	Warm Weather
Centipede	–	Warm Weather
Zoysia	Emerald Myer	Warm Weather
Tall Fescue	Kentucky 31	Cool Weather

MAINTENANCE:

Re-sod areas where an adequate stand of sod is not obtained. New sod should be mowed sparingly. Grass height should not be cut less than 2"-3" or as specified (See table above).

Apply one ton of agricultural lime as indicated by soil test or every 4-6 years. Fertilize grasses in accordance with the soil tests or the below table.

Fertilizer Requirements for Sod

Types Of Species	Planting Year	Fertilizer (N-P-K)	Rate (lbs./acre)	Nitrogen Top Dressing Rate (lbs./acre)
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 50-100 30

Streambank Erosion Protection Measures Relative Costs and Complexity

Measure	Relative Cost	Relative Complexity
Live Stake Joint planting Live Fascine Bushmatress	Low Low* Moderate Moderate	Simple Simple* Moderate Moderate to Complex
Live cribwall Branchpacking	High Moderate	Complex Moderate to Complex
Conventional Vegetation	Low to Moderate	Simple to Moderate
Conventional Bank armoring (riprap)	Moderate To High	Moderate To Complex

MAINTENANCE:

Check banks after every high water event, fixing gaps in the vegetative cover at once with structural materials or new plants, and mulching if necessary. Fresh cuttings from other plants may be used for repairs.

When fertilizer is applied on the surface, it is best to apply about one-half at planting, one-fourth when new growth is about to inches tall, and one-fourth about six weeks later.

Ds4 DISTURBED AREA STABILIZATION (WITH SODDING)

ALPHA SITE SET 10-29-2024

GMC
Goodwyn Mills Cawood, LLC
6120 Powers Ferry Road NW, Suite 200
Atlanta, GA 30339
T 770.952.2481
GMCNETWORK.COM

ISSUE	DATE
CONSTRUCTION DEVELOPMENT	1/29/2024

DRAWN BY: Author
CHECKED BY: Checker

JACKSON COUNTY AIRPORT
NEW TERMINAL
JACKSON COUNTY, GEORGIA

GMC # TATL230006

NOT FOR CONSTRUCTION

EROSION DETAILS

C-404

sheet X of X

BEST MANAGEMENT PRACTICES NOTES:

1. ALL BEST MANAGEMENT PRACTICES SHALL BE DEVELOPED AND MAINTAINED BY THE CONTRACTOR ACCORDING TO THE ENVIRONMENTAL PROTECTION DIVISION, GEORGIA (EPD) AND THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (EPA) – "BEST MANAGEMENT PRACTICES MANUAL" AND THE REQUIREMENTS OF THE SITE SPECIFIC NPDES DISCHARGE PERMIT ISSUED FOR THIS PROJECT AS WELL AS THE LOCAL SOIL AND WATER CONSERVATION DISTRICT OFFICES IN EACH COUNTY.

2. THE MAINTENANCE OF ALL BEST MANAGEMENT PRACTICES, SO AS TO BE AN EFFECTIVE BARRIER TO EROSION AND SEDIMENTATION, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR THROUGHOUT THE DURATION OF THE CONSTRUCTION PERIOD. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED IN COMPLIANCE WITH ALL ADEM AND EPA BEST MANAGEMENT PRACTICES AND THE NPDES PERMIT ASSOCIATED WITH THIS SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR, REPLACEMENT, AND/OR SUPPLEMENTATION OF ANY CONTROL MEASURES THAT ARE NOT FUNCTIONING PROPERLY. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHOWN ON THE PLANS SHALL BE CONSIDERED A MINIMUM.

3. OTHER THAN LAND-CLEARING ACTIVITIES REQUIRED TO INSTALL THE APPROPRIATE BMP IN ACCORDANCE WITH THE BMP PLANS, ANY DOWN SLOPE EROSION AND SEDIMENT CONTROL MEASURES, ON-SITE STREAM CHANNEL PROTECTION AND UPSLOPE DIVERSION OF DRAINAGE REQUIRED BY THE BMP PLAN SHALL BE IN PLACE AND FUNCTIONAL BEFORE ANY CLEARING OR EARTH MOVING OPERATIONS BEGIN AND SHALL BE CONSTRUCTED AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD. TEMPORARY MEASURES MAY BE REMOVED AT THE BEGINNING OF THE WORKDAY, BUT SHALL BE REPLACED AT THE END OF THE WORKDAY.

4. THE ANGLE FOR GRADED SLOPES AND FILLS SHALL BE NO GREATER THAN THE ANGLE WHICH CAN BE RETAINED BY VEGETATIVE COVER OR OTHER ADEQUATE EROSION CONTROL DEVICES OR STRUCTURES. ANY SLOPE OR FILL WHICH HAS BEEN GRADED SHALL WITHIN FOURTEEN (14) DAYS OF THE COMPLETION OF SUCH GRADING OR THE COMPLETION OF ANY PHASE OF GRADING, BE PLANTED OR OTHERWISE BE PROVIDED WITH GROUND COVER, MATERIALS, DEVICES, OR STRUCTURES SUFFICIENT TO RETAIN EROSION. THE BMPs SHALL REMAIN IN PLACE IN ACCORDANCE WITH THE BMP PLAN UNTIL THE GRADED SLOPE OR FILL IS STABILIZED.

5. ALL HAZARDOUS SUBSTANCES USED FOR THIS PROJECT (PAINT, OIL, GREASE, AND OTHER PETROLEUM PRODUCTS) SHALL BE STORED IN ACCORDANCE WITH SPCC REGULATIONS. THESE SUBSTANCES SHALL BE STORED AWAY FROM STORM DRAINS, DITCHES, AND GUTTERS IN WATERTIGHT CONTAINERS. DISPOSAL OF THESE SUBSTANCES SHALL BE IN ACCORDANCE WITH ADEM REGULATIONS. THE CONTRACTOR SHALL PROVIDE ADEQUATE TRASH CONTAINERS ONSITE FOR THE DISPOSAL OF CONSTRUCTION MATERIALS WASTE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREVENTING TRASH FROM ENTERING THE STORM DRAINAGE SYSTEM.

6. ALL CONTROL MEASURES SHALL BE CHECKED, AND REPAIRED AS NECESSARY, MONTHLY IN DRY PERIODS, AND WITHIN 24 HOURS AFTER ANY RAINFALL AT THE SITE OF 0.75 INCH WITHIN A 24 HOUR PERIOD, DURING PROLONGED RAINFALLS, DAILY CHECKING AND, IF NECESSARY, REPAIRING SHALL BE DONE. THE PERMITTEE SHALL MAINTAIN WRITTEN RECORDS OF SUCH CHECKS AND REPAIRS, WHICH SHALL BE SUBJECT TO THE INSPECTION OF THE OFFICIAL AT ANY REASONABLE TIME.

7. PROJECT AREA = 4.687 Acres. DISTURBED AREA = 4.687 +/- Acres

8. APPROXIMATE START DATE: XX/XX/2024. APPROXIMATE END DATE: XX/XX/XXXX.

9. EXISTING SITE CONDITIONS: CONCRETE, ASPHALT, GRASS.

10. ALL MATERIALS SHALL BE PROPERLY STORED, NOT EXPOSED TO RAIN, AND STOCKPILED. ALL CONTAINERS SHALL BE STORED CLOSED OR IN COVER. ALL EXCESS OR WASTE MATERIAL SHALL BE DISPOSED OF PROPERLY. THE CONTRACTOR SHALL PROVIDE A CONSTRUCTION WASTE DUMPSTER OR TRAILER ON SITE FOR CONSTRUCTION WASTE. THE CONTRACTOR SHALL DISPOSE OF TRASH AND WASTE TO AN ACCEPTABLE OFFSITE FACILITY EVERY 10 DAYS MINIMUM.

11. THERE SHALL BE NO DISTINCTLY VISIBLE FLOATING SCUM, OIL, OR OTHER MATTER CONTAINED IN THE STORM WATER DISCHARGE TO A RECEIVING WATER, MUST NOT CAUSE AN UNNATURAL COLOR (EXCEPT DYES OR OTHER SUBSTANCES DISCHARGED FOR THE PURPOSE OF ENVIRONMENTAL STUDIES AND WHICH DO NOT HAVE A HARMFUL EFFECT ON THE RECEIVING WATER), OR ODOR IN THE RECEIVING WATERS. THE STORM WATER DISCHARGE TO RECEIVING WATER MUST RESULT IN NO MATERIAL IN CONCENTRATION SUFFICIENT TO BE HAZARDOUS OR OTHERWISE DETRIMENTAL TO HUMANS, LIVESTOCK, WILDLIFE, PLANT LIFE OR FISH AND AQUATIC LIFE IN THE RECEIVING WATER.

12. WHEN THE LAND-DISTURBING ACTIVITY IS FINISHED AND STABLE VEGETATION OR OTHER PERMANENT CONTROLS HAVE BEEN ESTABLISHED ON ALL REMAINING EXPOSED SOIL, THE OWNER OF THE LAND WHERE THE LAND-DISTURBING ACTIVITY WAS CONDUCTED, OR HIS AUTHORIZED AGENT, SHALL NOTIFY THE OFFICIAL OF THESE FACTS AND REQUEST A FINAL INSPECTION. THE OFFICIAL SHALL THEN INSPECT THE SITE WITHIN 5 WORKING DAYS AFTER RECEIPT OF NOTICE, AND MAY REQUIRE ADDITIONAL MEASURES TO STABILIZE THE SOIL AND CONTROL EROSION AND SEDIMENTATION AS REQUIRED.

13. THE CONTRACTOR SHALL MINIMIZE THE TRACKING OF MUD AND DEBRIS ONTO PAVED ROADWAYS FROM CONSTRUCTION AREAS. THE CONTRACTOR SHALL PROVIDE A CONSTRUCTION EXIT PAD AS NOTED ON THE PLANS AND MAINTAIN IT ON A REGULAR BASIS AS AN EFFECTIVE MEASURE FOR REMOVING MUD AND DEBRIS FROM EQUIPMENT TIRES FROM BEING TRACKED FROM THE SITE ONTO ADJACENT ROADWAYS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A SPRAY HOSE FOR WASHING OF TIRES AND EQUIPMENT, THE PERIODIC REWORKING OF THE CONSTRUCTION EXIT PAD STONE, OR SUPPLEMENTING THE EXIT PAD WITH ADDITIONAL STONE AS REQUIRED TO ENSURE ITS CONTINUED EFFECTIVENESS THROUGHOUT THE DURATION OF THE CONSTRUCTION PERIOD. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING AT HIS EXPENSE ANY MUD AND DEBRIS TRACKED OFFSITE AND ONTO ADJACENT ROADWAYS AS REQUIRED.

14. ALL EXISTING AND NEW STORM DRAINAGE INLETS, STRUCTURES, AND PIPES SHALL BE CLEANED OF TRASH AND SEDIMENTS ON A REGULAR BASIS, WEEKLY AT A MINIMUM, SO AS NOT TO ALLOW DOWNSTREAM POLLUTION OF RECEIVING WATERS OR THE ESCAPING OF SEDIMENTS OFF SITE.

15. TEMPORARY DIVERSION BERMS AND/OR DITCHES SHALL BE PROVIDED AS REQUIRED DURING CONSTRUCTION TO PROTECT WORK AREAS FROM UPSLOPE RUNOFF AND/OR TO DIVERT SEDIMENT-LADEN WATER TO APPROPRIATE TRAPS OR STABLE OUTLETS.

16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING DUST TO A MINIMUM THROUGH THE USE OF WATER TRUCKS OR OTHER DUST CONTROLLING METHODS THROUGHOUT THE CONSTRUCTION PERIOD.

17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING EROSION AND SILTATION OFF OF ADJACENT AND DOWNSTREAM PROPERTIES AND/OR ADJOINING SITES. AT HIS EXPENSE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF SEDIMENTS AND DEBRIS ESCAPING THIS PROJECT SITE, THE REMEDIATION AND/OR REPAIR OF ANY DAMAGE THAT MAY OCCUR AS A RESULT TO ADJOINING AND/OR DOWNSTREAM AFFECTED PROPERTIES OR OFFSITE STRUCTURES, AND ANY FINES OR PENALATIES LEVIED AGAINST THE PROJECT BY REGULATORY AGENCIES DUE TO DEFICIENCIES OF CONTROL MEASURES.

17. ALL DISTURBED AND REGRADED AREAS NOT TO BE PAVED SHALL RECEIVE TOPSOIL AND BE SEEDED AND MULCHED ACCORDING TO GDOT. PERMANENT SEEDING SCHEDULES, COVERED WITH SOLID SOD, OR AS SHOWN ON THE LANDSCAPE PLAN (IF ANY). LOCALIZED EROSION AND RILLS SHALL BE REPAIRED AS NECESSARY AT THE CONTRACTORS EXPENSE. AREAS TO BE SEEDED SHALL RECEIVE 4" OF TOPSOIL AND AREAS TO BE SODDED SHALL RECEIVE 2" (MIN.) OF TOPSOIL. ACCOUNT FOR THICKNESS OF TOPSOIL WITH RESPECT TO FINISHED GRADES.

18. THESE PLANS EXPRESSLY DELEGATE THE RESPONSIBILITY OF PROPER ON-SITE HAZARDOUS MATERIAL MANAGEMENT TO THE CONTRACTOR. THE CONTRACTOR SHALL AT A MINIMUM PROVIDE AN ACTION PLAN AND KEEP THE NECESSARY MATERIALS ON SITE FOR THE CAPTURE, CLEAN UP, AND DISPOSAL OF ANY PETROLEUM PRODUCT, OR OTHER HAZARDOUS MATERIAL, LEAKS OR SPILLS ASSOCIATED WITH THE SERVICING, REFUELING OR OPERATION OF ANY EQUIPMENT UTILIZED AT THE SITE. A COPY OF THE ACTION PLAN SHALL BE SUBMITTED TO THE PROJECT ENGINEER AND MAINTAINED ON THE PROJECT SITE. ALL PERSONNEL OPERATING OR SERVICING EQUIPMENT SHALL BE FAMILIAR WITH THE ACTION PLAN. THE CONTRACTOR SHALL NOT PARK, REFUEL, OR MAINTAIN EQUIPMENT WITHIN STREAM BUFFERS. IF THE CONTRACTOR ELECTS TO STORE PETROLEUM PRODUCTS ON SITE, THE CONTRACTOR SHALL PREPARE AN ESPCP ADDENDUM THAT ADDITIONAL BMPS NEEDED FOR ONSITE STORAGE AND SPILL PREVENTION FOR PETROLEUM PRODUCTS. THIS PLAN SHALL BE PREPARED BY A CERTIFIED DESIGN PROFESSIONAL AS REQUIRED BY GAR100002 FOR INCLUSION WITH THESE PLANS. THE CONTRACTOR'S ATTENTION IS SPECIFICALLY DIRECTED TO STANDARD SPECIFICATION 107-LEGAL REGULATIONS AND RESPONSIBILITY TO THE PUBLIC FOR ADDITIONAL REQUIREMENTS.

19. THE WASHING OF READY-MIX CONCRETE DRUMS AND DUMP TRUCK BODIES USED IN THE DELIVERY OF PORTLAND CEMENT CONCRETE IS PROHIBITED ON THIS SITE. IN ACCORDANCE WITH STANDARD SPECIFICATION 107: LEGAL REGULATIONS AND RESPONSIBILITY TO THE PUBLIC, ONLY THE DESCHARGE CHUTE UTILIZED IN THE DELIVERY OF PORTLAND CEMENT CONCRETE MAY BE RINSED FREE OF FRESH CONCRETE REMAINS. THE CONTRACTOR SHALL EXCAVATE A PIT OUTSIDE OF STATE WATER BUFFERS, AT LEAST 25 FEET FROM ANY STORM DRAIN AND OUTSIDE OF THE TRAVELLED WAY, INCLUDING SHOULDERS, FOR A WASH-DOWN PIT. THE PIT SHALL BE LARGE ENOUGH TO STORE ALL WASH-DOWN WATER WITHOUT OVERTOPPING. IMMEDIATELY AFTER THE WASH-DOWN OPERATIONS ARE COMPLETED AND AFTER THE WASH-DOWN WATER HAS SOAKED INTO THE GROUND, THE PIT SHALL BE FILLED IN, AND THE GROUND ABOVE IT SHALL BE GRADED TO MATCH THE ELEVATION OF THE SURROUNDING AREAS. ALTERNATE WASH-DOWN PLANS MUST BE APPROVED BY THE PROJECT ENGINEER.

20. POST CONSTRUCTION MEASURES INSTALLED DURING THE PROJECT TO CONTROL POLLUTANTS IN STORMWATER WILL INCLUDE ADS FLEX STORM FILTER BAGS INSIDE DESIGNED STORMWATER STRUCTURES, AS WELL AS PERMANENT GRASSING AND VEGETATION.

SOIL EROSION AND SEDIMENTATION CONTROL NOTES:

1. THE PROJECT IS LOCATED CENTRALLY IN JACKSON COUNTY APPROXIMATELY 4.6 MILES NORTH OF THE CITY OF JEFFERSON GEORGIA AS SHOWN ON THE COVER SHEET AND PLAN SHEETS. THE PROJECT INVOLVES THE CONSTRUCTION OF A NEW HANGAR WITH PARKING LOT AND TURN LANE.

2. THE RESPONSIBLE PARTY FOR THE EROSION, SEDIMENTATION, AND POLUTION CONTROL, 24 HR. CONTACT: XXX , PH. (706) XXX-XXXX FAX (706) XXX-XXXX.
THE CONTACT INFORMATION FOR THE PRIMARY PERMITTEE, CONTACT: XXXX, PH. (706) XXX-XXXX FAX (706) XXX-XXXX

3. THE 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.

4. THE CONSTRUCTION PAD SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC STREETS.

5. SILT FENCES AND HAY BALE BARRIERS SHALL BE CLEANED OR REPLACED AND MAINTAINED IN FUNCTIONAL CONDITION UNTIL PERMANENT EROSION CONTROL MEASURES ARE ESTABLISHED.

6. SILT FENCE FABRIC SHALL BE COMPRISED OF GA. DOT QUALIFIED PRODUCTS LIST 36, FOR SILT FENCE FABRIC.

7. ALL GRASSING SHALL BE IN ACCORDANCE WITH CHAPTER 6, SECTION III "VEGETATIVE PRACTICES" OF THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA.

8. ALL OTHER WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA.

9. THE CONTRACTOR SHALL FURNISH APPROPRIATE AUTHORITY OR DEPT. WITH A SCHEDULE OF ANTICIPATED STARTING AND COMPLETION DATES FOR EACH SEQUENCE OF LAND DISTURBING ACTIVITY LISTED IN ITEMS FOUR THROUGH EIGHT ABOVE.

10. EROSION CONTROL DEVICES WILL BE IN PLACE BEFORE SITE DISTURBANCE AND WILL BE PERIODICALLY INSPECTED AND REPAIRED OR RESTORED AS NEEDED TO FUNCTION PROPERLY UNTIL PERMANENT MEASURES ARE ESTABLISHED AND PROJECT IS COMPLETE. I.E.: CONSTRUCTION EXITS AND SILT FENCES SHALL BE RETOPPED OR CLEANED AS SILT REDUCES THEIR EFFECTIVENESS.

11. ANY ADDITIONAL CONSTRUCTION OTHER THAN SHOWN ON THIS PLAN WILL REQUIRE SEPARATE AND ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES AND APPROVAL.

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

13. ALL DISTURBED AREAS WILL BE PERMANENTLY LANDSCAPED AND GRASSED AS SOON AS CONSTRUCTION PHASES PERMIT.

14. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE SPECIFICATION OF THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA.

15. ADDITIONAL MEASURES MAY BE REQUIRED TO CONTROL EROSION AS DETERMINED NECESSARY BY INSPECTORS.

16. CUT AND FILL SLOPES NOT TO EXCEED 2H:1V.

17. NOTIFY WATER & SEWER INSPECTOR PRIOR TO START OF CONSTRUCTION.

18. SEDIMENTATION & EROSION CONTROL MEASURES TO BE INSPECTED DAILY.

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

20. THERE ARE NOT STATE WATERS LOCATED WITHIN 200 FEET OF THE PROJECT SITE.

21. THE PROJECT DOES NOT IMPACT/DISTURB STATE WATERS, OR STREAMS.

22. THE PROJECT DOES NOT IMPACT/DISTURB WETLAND AREAS.

23. ADJACENT PROPERTIES TO THE PROPOSED CONSTRUCTION SITE ARE COMPRISED OF PRIVATE AND COMMERCIAL PROPERTIES.

24. EXISTING LAND USE AT PROJECT SITE IS CONCRETE, ASPHALT, AND GRASS.

25. THE DISTURBED AREA FOR THE PROJECT IS 4.687 ACRES. SILT STORAGE REQUIRED IS 4.687 AC. TIMES 67 CY/AC = 314.029 CY. ESTIMATED INSTALLATION OF 1,655.340 LF OF NON-SENSITIVE TYPE "NS" X / 27 CF/CY = 61.31 CY OF SILT BASED ON A 5:1 SLOPE.

26. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE EROSION CONTROL MEASURES FOR THE ENTIRE LENGTH OF THE PROJECT AND SHALL ADD ADDITIONAL MEASURES AS NECESSARY TO PREVENT EROSION AND SEDIMENTATION RUN-OFF FROM THE DISTURBED AREAS.

27. CONSTRUCTION EXIT WIDTHS MAY BE MODIFIED TO FIT THE WIDTH OF THE LIMITS OF DISTURBANCE (LOD) FOR THIS PROJECT.

28. THE CONTRACTOR MUST COMPLY WITH NPDES GENERAL PERMIT NO. 100001 - EFFECTIVE AUGUST 1, 2023.

29. NARRATIVE POLLUTION PREVENTION PRACTICES:
THE FOLLOWING ARE POTENTIAL SOURCES OF STORM WATER POLLUTION EXPECTED TO BE PRESENT ON THE SITE AND AN EXPLANATION OF HOW THE POLLUTANTS WILL BE MINIMIZED IN THE STORM WATER DISCHARGES:RUNOFF FROM DISTURBED/UNDISTURBED AREAS TO BE MINIMIZED THROUGH THE INSTALLATION OF Sd1 SILT FENCE, Ds1 MULCH, Ds2 TEMPORARY SEEDING AND Ds3 PERMANENT VEGETATION.

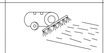
30. "THE DESIGN PROFESSIONAL WHO PREPARED THE ES&PC PLAN IS TO INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROL BMPS WITHIN 7 DAYS AFTER INSTALLATION." IN ACCORDANCE WITH PART I.V.A.5 PAGE 25 OF THE PERMIT.

31. AMMENDMENTS/REVISIONS TO THE ES&PC PLAN WHICH HAVE A SIGNIFICANT EFFECT ON BMPS WITH A HYDRAULIC COMPONENT MUST BE CERTIFIED BY THE DESIGN PROFESSIONAL.

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.
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.
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.
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.

VEGETATIVE PRACTICES

CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
Ds1	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)		Ds1	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)		Ds2	Establishing a temporary vegetative cover with fast growing seedings on disturbed areas.
Ds3	DISTURBED AREA STABILIZATION (WITH PERM SEEDING)		Ds3	Establishing a permanent vegetative cover such as trees, shrubs, vines, grasses, or legumes on disturbed areas.
Ds4	DISTURBED AREA STABILIZATION (SODDING)		Ds4	A permanent vegetative cover using sods on highly erodable or critically eroded lands.
Du	DUST CONTROL ON DISTURBED AREAS		Du	Controlling surface and air movement of dust on construction site, roadways and similar sites.
Ss	SLOPE STABILIZATION		Ss	A protective covering used to prevent erosion and establish temporary or permanent vegetation on steep slopes, shore lines, or channels.

I 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) OR THE SAMPLING OF THE STORMWATER 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.

SEAN A SHEPHERD
LEVEL II CERTIFICATION #0081589
EXPIRES 12/17/2024

I 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.

Signed _____ Date 01/26/2024

I CERTIFY THAT THE PERMITTEE'S EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN PROVIDES FOR THE MONITORING OF: (A) ALL PERENNIAL AND INTERMITTENT STREAMS AND OTHER WATER BODIES SHOWN ON THE USGS TOPOGRAPHIC MAP AND ALL OTHER FIELD VERIFIED PERENNIAL AND INTERMITTENT STREAMS AND OTHER WATER BODIES, OR (B) WHERE ANY SUCH SPECIFIC IDENTIFIED PERENNIAL OR INTERMITTENT STREAM AND OTHER WATER BODY IS NOT PROPOSED TO BE SAMPLED, I HAVE DETERMINED IN MY PROFESSIONAL JUDGMENT, UTILIZING THE FACTORS REQUIRED IN THE GENERAL NPDES PERMIT NO. GAR100001, THAT THE INCREASE IN THE TURBIDITY OF EACH SPECIFIC IDENTIFIED SAMPLED RECEIVING WATER WILL BE REPRESENTATIVE OF THE INCREASE IN THE TURBIDITY OF A SPECIFIC IDENTIFIED UN-SAMPLED RECEIVING WATER.

SEAN A SHEPHERD
LEVEL II CERTIFICATION #0081589
EXPIRES 12/17/2024

I CERTIFY UNDER PENALTY OF LAW THAT THIS REPORT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT CERTIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

Owner _____ Date _____

ALPHA SITE SET 10-29-2024

GMC
Goodwyn Mills Cawood, LLC
6120 Powers Ferry Road NW, Suite 200
Atlanta, GA 30339
T 770.952.2481
GMCNETWORK.COM

ISSUE DATE
CONSTRUCTION DEVELOPMENT 1/29/2024

DRAWN BY: Author
CHECKED BY: Checker

JACKSON COUNTY AIRPORT
NEW TERMINAL
JACKSON COUNTY, GEORGIA

GMC # TATL230006

NOT FOR CONSTRUCTION

EROSION NOTES

C-405

sheet X of X

1/29/2024 11:02:41 AM TEMPLATE VERSION: 2022.1

CMP SAMPLING METHODS & PROCEDURES
GENERAL PERMIT No. GAR 100001 – EFFECTIVE AUGUST 1, 2023

REPRESENTATIVE SAMPLING ON STAND ALONE CONSTRUCTION PROJECT

Receiving water samples and storm water discharge samples will be collected by "grab samples", as specified in Part IV.D.6 of the GAR 100001 permit. All "grab samples" will be collected using the following methods and procedures.

SAMPLING REQUIREMENTS:

SAMPLING 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 storm water discharge to a monitored receiving water and/or from a monitored outfall location within 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 storm water 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 storm water 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 representative 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 storm water 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 representative 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 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.

INSPECTIONS:

(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 fourteen (14) 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 nonworking 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.

INSPECTIONS CONTINUED:

(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 is submitted to EPD) 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 project that has been phased has undergone final stabilization and a Notice of Termination is submitted to EPD. Such reports shall be readily available by 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 statement 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.

REPORTING

1. The applicable permittees are required to submit the sampling results to the EPD 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. 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.

RETENTION OF 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.

ALPHA SITE SET 10-29-2024

GMC
Goodwyn Mills Cawood, LLC
6120 Powers Ferry Road NW, Suite 200
Atlanta, GA 30339
T 770.952.2481
GMCNETWORK.COM

ISSUE | DATE
CONSTRUCTION | 1/29/2024
DEVELOPMENT

DRAWN BY: Author
CHECKED BY: Checker

JACKSON COUNTY AIRPORT
NEW TERMINAL
JACKSON COUNTY, GEORGIA

GMC # TATL230006

NOT FOR CONSTRUCTION

COMPREHENSIVE MONITORING PROGRAM
GENERAL NOTES

C-406

Sheet X of X

1/29/2024 11:02:41 AM TEMPLATE VERSION: 2022.1

DESCRIPTION OF ANALYTICAL METHODS TO BE USED TO COLLECT AND ANALYZE THE SAMPLES:

The method used to collect and analyze the water samples shall be in accordance with the following procedures:

- All samples shall be grab samples.
- Analysis of 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.
- Sample containers should be labeled prior to collecting the samples.
- Samples should be well mixed before transferring to a secondary container.
- 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.
- Manual or automatic 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. Samples are not required to be cooled. Dilution of samples is not required. Samples may be analyzed directly with a properly calibrated turbidimeter.
- Sampling and analysis of the receiving water(s) or outfalls beyond the minimum frequency stated in the permit must be reported to EPD as specified in Part IV.E of the permit.
- The upstream sample for each receiving water(s) must be taken immediately upstream of the confluence of the first storm water discharge from the permitted activity but downstream of any other storm water discharges not associated with the permitted activity.
- The downstream sample for each receiving water(s) must be taken downstream of the confluence of the last storm water discharge from the permitted activity but upstream of any other storm water discharge not associated with the permitted activity.
- Samples should be taken from the horizontal and vertical center of the receiving water(s) or the storm water outfall channel(s).
- Care should be taken to avoid stirring the bottom sediments in the receiving water(s) or in the outfall storm water channel.
- The sampling container should be held so that the opening faces upstream.
- The samples should be kept free from floating debris.

Deviations from these methods and procedures shall be documented by the primary permittee.

Sampling must be done in such a way as to accurately reflect whether storm water runoff from the site is in compliance with the standard set forth in the permit.

Measurement of rainfall must be recorded daily (once each twenty-four hour period) at the site.

The primary permittee must sample all perennial and intermittent streams and other water bodies or all outfalls into such streams and other water bodies as indicated on the map referenced in the permit.

For STAND ALONE construction projects, monitoring obligations shall cease for any phase of the project that has been stabilized in accordance with Part IV.D.6.c.(1).(g).

NTU MATRIX VALUE

The proposed development has a surface water drainage area of X.XX sq.m which is between 0-4.99 square miles and a site size (4.687 ac.) between 1.00-10.00 acres. See table below. The NTU value selected is 75.

Waters Supporting Warm Water Fisheries

Surface Water Drainage Area, square miles

Site Size, acres	0-4.99	5-9.99	10-24.99	25-49.99	50-99.99	100-249.99	250-499.99	500+
1.00-10	(75)	150	200	400	750	750	750	750
10.01-25	50	100	100	200	300	500	750	750
25.01-50	50	50	100	100	200	300	750	750
50.01-100	50	50	50	100	100	150	300	600
100.01+	50	50	50	50	50	100	200	100

WATERSHED, SITE MONITORING LOCATIONS AND DRAINAGE AREA MAP

SCALE: 1" = 500'

SAMPLING POINTS:

For this project a single representative outfall will be sampled for the stand alone park construction in accordance with current NPDES General Permit No. GAR 100001.

The project is located in Meriwether County GA. approximately 1.5 miles north of the City of Greenville, more particularly along the southerly r/w of McLaughlin Road as indicated on the location map and plan sheets. There are (3) THREE outfall areas for this project and they have a combined total drainage area of 59.85 acres. The runoff from the project drains to an unnamed tributary of the Kennel Creek.

Drainage Basin (Ac)	Disturbed Area (Ac)	Monitoring Station location
"A" = 21.68 (0.03 SQ. MI.)	1.218	DETENTION POND #1 OUTFALL
"B" = 13.99 (0.02 SQ. MI.)	2.639	DETENTION POND #2 OUTFALL
"C" = 24.18 (0.04 SQ. MI.)	6.293	N/A

The aforementioned tributary is a continuously flowing stream. The (2) TWO sampling locations are representative for the project.

The sampling location for the disturbed drainage basin above shall be monitored concurrent with land disturbance/clearing. Sampling is required during construction and until all disturbed areas are stabilized. Permanent/Final Stabilization is defined as 100% cover with 70% density of the disturbed soil surface uniformly covered in permanent vegetation or equivalent permanent stabilization measures (such as the use of rip rap, gabions, permanent mulches or geotextiles) have been employed.

Note: The monitor shall be located at the outlet structure pipe as called out on this plan or as directed by the engineer and/or Georgia EPD. A total of (2) TWO monitors shall be installed for this project. The NTU value allowed for this project is 50 is determined from the Appendix B table.

SOIL MAP

SITE SPECIFIC SOIL SURVEY IS AVAILABLE UPON REQUEST

JACKSON COUNTY AIRPORT

VICINITY MAP

RIP RAP OUTLET PROTECTION:

Outlet Protection - St		
Structure	A-07	A-09
Q [cfs]	11.71	3.75
Pipe [in.]	18	18
V [fps]	7.76	4.32
La [ft.]	12.0	9.0
W [ft.] (up)	4.5	4.5
W [ft.] (down)	13.5	10.5
d50 [in.]	6	6
Depth [in.]	12	12

*based on 25-year storm event

ALPHA SITE SET 10-29-2024

GMC
Goodwyn Mills Cawood, LLC
6120 Powers Ferry Road NW, Suite 200
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ISSUE DATE
CONSTRUCTION DEVELOPMENT 1/29/2024

DRAWN BY: Author
CHECKED BY: Checker

JACKSON COUNTY AIRPORT
NEW TERMINAL
JACKSON COUNTY, GEORGIA

GMC # TATL230006

NOT FOR CONSTRUCTION

EROSION NOTES

C-407

Sheet X of X

1/29/2024 11:02:41 AM TEMPLATE VERSION: 2022.1

EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST
STAND ALONE CONSTRUCTION PROJECTS
SWCD: OCONEE RIVER SWCD

Project Name: JACKSON CO AIRPORT NEW TERMINAL Address: 500 SKY HARBOR WAY, JEFFERSON, GA 30549

Local Issuing Authority: JACKSON Date on Plans: 1/29/2024

Name & Email of person filling out checklist: SEAN SHEPHERD, SEAN.SHEPHERD@GMCNETWORK.COM

Plan Page #	Included Y/N		TO BE SHOWN ON ES&PC PLAN
C-406	Y	1	The applicable Erosion, Sedimentation and Pollution Control Plan Checklist established by the Commission as of January 1 of the year in which the land-disturbing activity was permitted.
C-405	Y	2	Level II certification number issued by the Commission, signature and seal of the certified design professional.
C-405	N/A	3	Limits of disturbance shall be no greater than 50 acres at any one time without prior written authorization from the GAEPD District Office. If GAEPD approves the request to disturb 50 acres or more at any one time, the Plan must include at least 4 of the BMPs listed in Appendix 1 of this checklist and the GAEPD approval letter. *
C-405	Y	4	The name and phone number of the 24-hour contact responsible for erosion, sedimentation and pollution controls.
C-405	Y	5	Provide the name, address, email address, and phone number of primary permittee.
C-405	Y	6	Note total and disturbed acreages of the project or phase under construction.
C-401	Y	7	Provide the GPS location of the construction exit for the site. Give the Latitude and Longitude in decimal degrees.
C-401	Y	8	Initial date of the Plan and the dates of any revisions made to the Plan including the entity who requested the revisions.
C-405	Y	9	Description of the nature of construction activity and existing site conditions.
		10	Provide vicinity map showing site's relation to surrounding areas. Include designation of specific phase, if necessary.
N/A	N/A	11	Identify the project receiving waters and describe all sensitive adjacent areas including streams, lakes, residential areas, wetlands, marshlands, etc. which may be affected.
C-405	Y	12	Design professional's certification statement and signature that the site was visited prior to development of the ES&PC Plan as stated on **Part IV page 19** of the permit.
C-405	Y	13	Design professional's certification statement and signature that the permittee's ES&PC Plan provides for an appropriate and comprehensive system of BMPs and sampling to meet permit requirements as stated on **Part IV page 19** of the permit. *
C-405	Y	14	Clearly note the statement that "The design professional who prepared the ES&PC Plan is to inspect the installation of the initial sediment storage requirements and perimeter control BMPs within 7 days after installation." in accordance with **Part IV.A.5 page 25** of the permit. *
N/A	N/A	15	Clearly note the statement that "Non-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."
N/A	N/A	16	Provide a description of any buffer encroachments and indicate whether a buffer variance is required.
C-405	Y	17	Clearly note the statement that "Amendments/revisions to the ES&PC Plan which have a significant effect on BMPs with a hydraulic component must be certified by the design professional." *
C-405	Y	18	Clearly note the statement that "Waste materials shall not be discharged to waters of the State, except as authorized by a Section 404 permit." *
C-405	Y	19	Clearly note statement that "The 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."
C-405	Y	20	Clearly note statement that "Erosion 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."
C-405	Y	21	Clearly note the statement "Any disturbed area left exposed for a period greater than 14 days shall be stabilized with mulch or temporary seeding."
N/A	N/A	22	Any construction activity which discharges storm water into an Impaired Stream Segment, or within 1 linear mile upstream of and within the same watershed as, any portion of a Biota Impaired Stream Segment must comply with Part III. C. of the permit. Include the completed Appendix 1 listing all the BMPs that will be used for those areas of the site which discharge to the Impaired Stream Segment. *
N/A	N/A	23	If a TMDL Implementation Plan for sediment has been finalized for the Impaired Stream Segment (identified in Item 22 above) at least six months prior to submittal of NOI, the ES&PC Plan must address any site-specific conditions or requirements included in the TMDL Implementation Plan. *
C-405	Y	24	BMPs for concrete washdown of tools, concrete mixer chutes, hoppers and the rear of the vehicles. Washout of the drum at the construction site is prohibited. *
C-405	Y	25	Provide BMPs for the remediation of all petroleum spills and leaks.
C-405	Y	26	Description of the measures that will be installed during the construction process to control pollutants in storm water that will occur after construction operations have been completed. *
C-405	Y	27	Description of practices to provide cover for building materials and building products on site. *
C-405	Y	28	Description of the practices that will be used to reduce the pollutants in storm water discharges. *
N/A	N/A	29	Description and chart or timeline of the intended sequence of major activities which disturb soils for the major portions of the site (i.e., initial perimeter and sediment storage BMPs, clearing and grubbing activities, excavation activities, utility activities, temporary and final stabilization).
C-406	Y	30	Provide complete requirements of Inspections and record keeping by the primary permittee. *
C-406	Y	31	Provide complete requirements of Sampling Frequency and Reporting of sampling results. *
C-406	Y	32	Provide complete details for Retention of Records as per Part IV.F. of the permit. *
C-407	Y	33	Description of analytical methods to be used to collect and analyze the samples from each location. *
C-407	Y	34	Appendix B rationale for NTU values at all outfall sampling points where applicable. *
C-407	Y	35	Delineate all sampling locations, perennial and intermittent streams and other water bodies into which storm water is discharged. *
C-401	Y	36	A description of appropriate controls and measures that will be implemented at the construction site including: (1) initial sediment storage requirements and perimeter control BMPs, (2) intermediate grading and drainage BMPs, and (3) final BMPs. For construction sites where there will be no mass grading and the initial perimeter control BMPs, intermediate grading and drainage BMPs, and final BMPs are the same, the Plan may combine all of the BMPs into a single phase. *
C-401	Y	37	Graphic scale and North arrow.
C-401	Y	38	Existing and proposed contour lines with contour lines drawn at an interval in accordance with the following:

Map Scale	Ground Slope	Contour Intervals, ft.
1 inch = 100ft or larger scale	Flat 0 - 2%	0.5 or 1
	Rolling 2 - 8%	1 or 2
	Steep 8% +	2,5 or 10

N/A	N/A	39	Use of alternative BMPs whose performance has been documented to be equivalent to or superior to conventional BMPs as certified by a Design Professional (unless disapproved by GAEPD or the Georgia Soil and Water Conservation Commission). Please refer to the Alternative BMP Guidance Document found at www.gaswcc.georgia.gov.
N/A	N/A	40	Use of alternative BMP for application to the Equivalent BMP List. Please refer to Appendix A-2 of the Manual for Erosion & Sediment Control in Georgia 2016 Edition. *
N/A	N/A	41	Delineation of the applicable 25-foot or 50-foot undisturbed buffers adjacent to state waters and any additional buffers required by the Local Issuing Authority. Clearly note and delineate all areas of impact.
N/A	N/A	42	Delineation of on-site wetlands and all state waters located on and within 200 feet of the project site.
		43	Delineation and acreage of contributing drainage basins on the project site.
		44	Provide hydrology study and maps of drainage basins for both the pre- and post-developed conditions. *
		45	An estimate of the runoff coefficient or peak discharge flow of the site prior to and after construction activities are completed.
		46	Storm-drain pipe and weir velocities with appropriate outlet protection to accommodate discharges without erosion. Identify/Delineate all storm water discharge points.
C-407	Y	47	Soil series for the project site and their delineation.
C-401	Y	48	The limits of disturbance for each phase of construction.
C-405	Y	49	Provide a minimum of 67 cubic yards of sediment storage per acre drained using a temporary sediment basin, retrofitted detention pond, and/or excavated inlet sediment traps for each common drainage location. Sediment storage volume must be in place prior to and during all land disturbance activities until final stabilization of the site has been achieved. A written justification explaining the decision to use equivalent controls when a sediment basin is not attainable must be included in the Plan for each common drainage location in which a sediment basin is not provided. A written justification as to why 67 cubic yards of storage is not attainable must also be given. Worksheets from the Manual included for structural BMPs and all calculations used by the storage design professional to obtain the required sediment when using equivalent controls. When discharging from sediment basins and impoundments, permittees are required to utilize outlet structures that withdraw water from the surface, unless infeasible. If outlet structures that withdraw water from the surface are not feasible, a written justification explaining this decision must be included in the Plan.
C-405	Y	50	Location of Best Management Practices that are consistent with and no less stringent than the Manual for Erosion and Sediment Control in Georgia. Use uniform coding symbols from the Manual, Chapter 6, with legend.
C-404	Y	51	Provide detailed drawings for all structural practices. Specifications must, at a minimum, meet the guidelines set forth in the Manual for Erosion and Sediment Control in Georgia.
C-404	Y	52	Provide vegetative plan, noting all temporary and permanent vegetative practices. Include species, planting dates and seeding, fertilizer, lime and mulching rates. Vegetative plan shall be site specific for appropriate time of the year that seeding will take place and for the appropriate geographic region of Georgia.

* If using this checklist for a project that is less than 1 acre and not part of a common development but within 200 ft of a perennial stream, the * checklist items would be N/A.

Effective January 1, 2024

ALPHA SITE SET 10-29-2024

GMC
Goodwyn Mills Cawood, LLC
6120 Powers Ferry Road NW, Suite 200
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ISSUE DATE
CONSTRUCTION DEVELOPMENT 1/29/2024

DRAWN BY: Author
CHECKED BY: Checker

JACKSON COUNTY AIRPORT
NEW TERMINAL
JACKSON COUNTY, GEORGIA

GMC # TATL230006

NOT FOR CONSTRUCTION

EROSION CHECKLIST

C-408

sheet X of X

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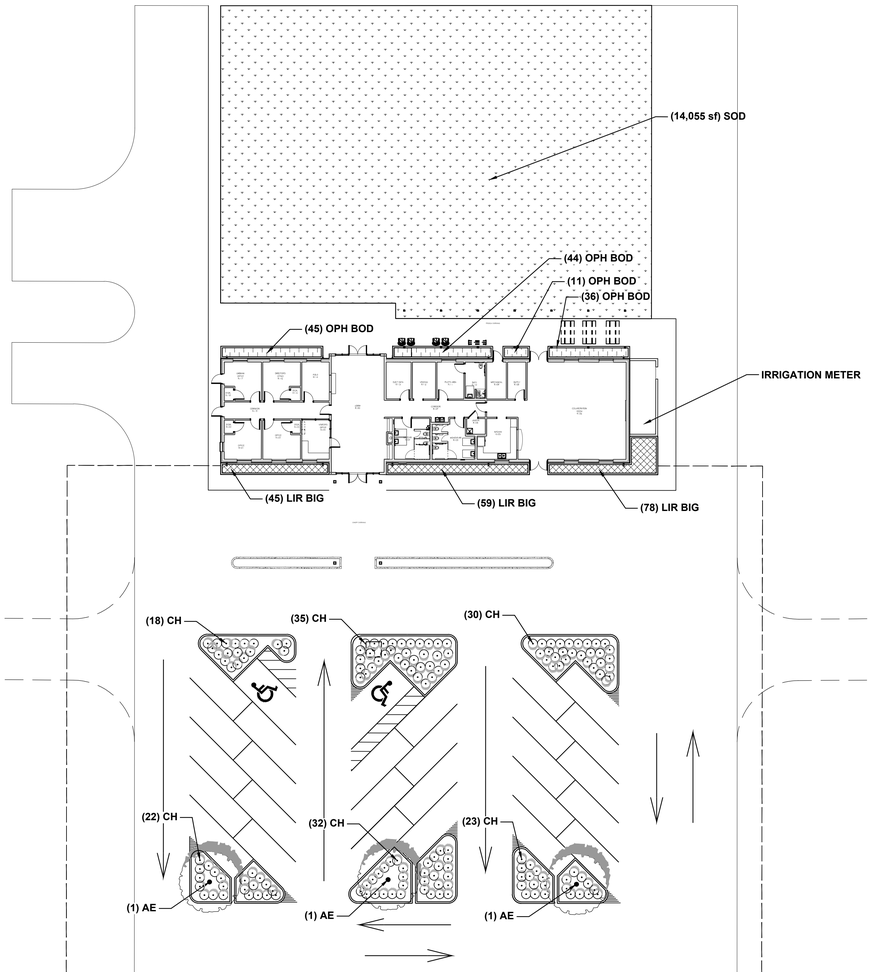
PLANT SCHEDULE PLANTING PLAN				
CODE	QTY	BOTANICAL / COMMON NAME	CAL. / HT.	
TREES				
AE	3	ULMUS PARVIFOLIA 'ALLEE' ALLEE® LACEBARK ELM	2.0" CAL.	
CODE	QTY	BOTANICAL / COMMON NAME	SIZE	SPACING
SHRUBS				
CH	160	ILEX CORNUTA 'CARISSA' CARISSA CHINESE HOLLY	3 GAL	30" o.c.
CODE	QTY	BOTANICAL / COMMON NAME	TYPE	SPACING
GROUND COVERS				
SOD	14,055 SF	CYNODON DACTYLON DOG TUFF BERMUDAGRASS	SEED	
LIR BIG	182	LIRIOPE MUSCARI 'BIG BLUE' BIG BLUE LILYTURF	1 GAL	18" o.c.
OPH BOD	136	OPHIOPOGON BODINIERI MONDO GRASS	1 GAL	18" o.c.

PLANTING REQUIREMENTS:

PROPOSED PARKING SPACES:	29
TREES REQUIRED:	3 (1 TREE FOR 10 PARKING SPACES)
TREES PROVIDED:	3
REQUIREMENTS MET:	YES



ALPHA SITE SET 10-29-2024

NORTH

SCALE: 1 IN = 10 FT

GMC

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ISSUE	DATE
Final CD Submission	2024.01.29

DRAWN BY: AP
CHECKED BY: MM

Jackson County Airport Terminal
Jackson County, GA

GMC Project #: AATL230012

PLANTING PLAN

L1.01

IRRIGATION PERFORMANCE NOTES

A. GENERAL

1. THE LANDSCAPE PLANS SHALL SERVE AS THE LIMITS OF IRRIGATION. THEY DO NOT REFLECT OR DEPICT THE IRRIGATION DESIGN. THE CONTRACTOR IS RESPONSIBLE FOR THE IRRIGATION DESIGN SO IT MEETS THE REQUIREMENTS OF THE FOLLOWING STANDARDS.
2. PROVIDE AND COMPLETE AN OPERABLE SYSTEM FOR THE IRRIGATION OF ALL LANDSCAPED AREAS ON THE PROJECT SITE, UNLESS INDICATED OTHERWISE.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING HEAD LOCATION, HEAD/NOZZLE TYPE AND SIZE, AND ANY OTHER SYSTEM COMPONENTS SO THAT IRRIGATION SYSTEM LAYOUT IS COORDINATED WITH ACTUAL FIELD CONDITIONS, SUCH ADJUSTMENTS SHALL BE COMPENSATED FOR AT AN AGREED COST.
4. CONTRACTORS SHALL PROVIDE WITH THE BID A SAMPLE DESIGN INDICATING THE SCHEMATIC LOCATION OF EACH ZONE, THE QUANTITY AND TYPE OF SPRINKLERS TO BE USED.
5. CONTRACTORS SHALL SPECIFY WITH THE BID THE MANUFACTURERS OF THE CONTROLLER, VALVES, AND SPRINKLERS.
6. COMPLY WITH ALL CODES, ORDINANCES AND REQUIREMENTS OF AUTHORITIES HAVING JURISDICTION.
7. OBTAIN ALL REQUIRED PERMITS AND PAY ALL REQUIRED FEES, AT NO ADDITIONAL COST TO THE OWNER, PENALTIES IMPOSED DUE TO FAILURE TO OBTAIN PERMITS OR PAY FEES ARE THE RESPONSIBILITY OF THE CONTRACTOR.
8. ALL WORK SHALL BE WARRANTED BY THE CONTRACTOR FOR A PERIOD OF ONE YEAR AGAINST DEFECTS IN MATERIAL, EQUIPMENT, WORKMANSHIP AND ANY REPAIRS RESULTING FROM LEAKS OR OTHER DEFECTS OF WORKMANSHIP, MATERIALS OR EQUIPMENT.
9. SUBMIT SHOP DRAWINGS SHOWING IRRIGATIONS SYSTEM, INCLUDING PLAN LAYOUT AND LOCATIONS, TYPES, SIZES, CAPACITIES, AND FLOW CHARACTERISTICS OF IRRIGATION SYSTEM COMPONENTS.
10. SUBMIT "AS-BUILT" DRAWING AT COMPLETION OF WORK SHOWING LOCATIONS OF ALL VALVES, HOSE BIBS AND WIRE SPLICES, WITH ACTUAL TRIANGULATED DIMENSIONS, AS WELL AS ANY DEVIATIONS ON LOCATION OF PIPING.
11. LOCATE AND VERIFY ALL UTILITY LOCATIONS ON AND AROUND THE SITE PRIOR RO WORK. MAINTAIN EXISTING UTILITIES AND PROTECT THEM AGAINST DAMAGE DURING THE WORK.
12. CONTRACTOR SHALL MAKE ANY NECESSARY ADJUSTMENTS IN THE PROPOSED IRRIGATION SYSTEM TO AVOID DAMAGE TO EXISTING STRUCTURES, PAVING AND UTILITIES.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING STRUCTURES, PAVING, UTILITIES AND / OR OTHER CONSTRUCTION RESULTING FROM IRRIGATION CONSTRUCTION.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MATERIALS AND LABOR TO FULLY EXECUTE AND GUARANTEE THE WORK AS REQUIRED. THE LIMITS OF WORK SHOWN ON THESE DRAWINGS SHALL BE IRRIGATED IN ACCORDANCE WITH THE SPECIFICATIONS AND PER THE DIRECTION TO THE OWNER OR LANDSCAPE ARCHITECT.
15. ALL ADJUSTMENTS TO THE WORK SHALL BE SUBJECT TO THE APPROVAL OF THE OWNER OR THE LANDSCAPE ARCHITECT.
16. IRRIGATION CONTRACTOR WILL BE RESPONSIBLE FOR CONTACTING THE LANDSCAPE CONTRACTOR AND COORDINATING THE LAYOUT OF THE IRRIGATION SYSTEM WITH THE LANDSCAPE BED LINES PRIOR TO INSTALLATION.
17. INSTALL BACKFLOW PREVENTER BELOW GRADE MEETING REQUIREMENTS OF LOCAL AUTHORITIES HAVING JURISDICTION UNLESS OTHERWISE REQUIRED BY JURISDICTION.
18. LOCATE ALL IRRIGATION PIPING IN SUCH A WAY AS TO CAUSE THE LEAST CONFLICT WITH THE LOCATION OF PLANT MATERIALS AND OTHER SITE IMPROVEMENTS.
19. MAIN LINE PIPING SHALL BE INSTALLED A MAXIMUM OF TWO (2) FEET FROM THE BACK OF CURB. LATERAL LINE PIPING SHALL BE INSTALLED SIMILARLY WHERE POSSIBLE.
20. ALL VALVE BOXES SHALL BE LOCATED IN PLANT BEDS OR NATURAL AREAS. EXCEPTION WILL BE ALLOWED IF NO SUCH AREA IS WITHIN A 40-FOOT RADIUS OF THE DESIGNATED CONTROL VALVE LOCATION. NO MORE THAN TWO VALVE BOXES ARE TO BE LOCATED IN ONE SPECIFIC AREA.
21. ALL SWING JOINTS SHALL BE OF RIGID ELBOW TYPE CONSTRUCTION. FLEX PIPE AND PHUNNY PIPE IS NOT ACCEPTABLE.
22. THE IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE OWNER ON THE ELECTRICAL REQUIREMENTS AND LOCATION THEREOF FOR THE IRRIGATION CONTROL CLOCK. IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ELECTRICAL CONNECTIONS FROM THE I20 VAC SERVICE PROVIDED TO THE CONTROL CLOCK AND THE 24 VOLT FIELD WIRING TO THE CONTROL CLOCK.
23. THE LOCATION OF THE CONTROL CLOCK SHALL BE COORDINATED WITH THE OWNER.
24. THE CONTRACTOR SHALL ADJUST THE RADIUS AND ARC OF EACH SPRINKLER TO MINIMIZE "OVER THROW" AND TO ELIMINATE "DRY SPOTS".
25. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SUPPLY AND INSTALLATION OF ADDITIONAL HEADS NEEDED TO COVER "DRY SPOTS". THE LOCATION AND ARRANGEMENT OF THESE HEADS SHALL BE SUBJECT TO APPROVAL OF THE OWNER OR LANDSCAPE ARCHITECT.

B. SLEEVING

1. IRRIGATION SLEEVING SHALL BE PROVIDED AND INSTALLED BY THE IRRIGATION CONTRACTOR
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES, STRUCTURES, OR OTHER CONSTRUCTION RESULTING FROM INSTALLATION OF SLEEVES.
3. ANY MODIFICATIONS TO THE SLEEVING IS SUBJECT TO THE APPROVAL OF THE OWNER OR THE LANDSCAPE ARCHITECT.
4. ALL SLEEVES SHALL BE CLASS I60 SOLVENT WELD PVC PIPE OR SCHEDULE 80 PVC PIPE, AS PER THE SPECIFICATIONS.
5. SLEEVES SHALL BE STRAIGHT, LEVEL, AND THE SHORTEST LENGTH POSSIBLE. THE CONTRACTOR SHALL MAKE ANY ADJUSTMENT NECESSARY TO ACCOMMODATE EXISTING VEGETATION, UTILITIES, OR OTHER MAJOR CONSTRUCTION.
6. THERE SHALL BE NO TURNS OR BENDS IN THE SLEEVES.
7. BACKFILL MATERIAL PLACED AROUND THE SLEEVES SHALL BE FREE OF ROCKS OR OTHER FOREIGN MATTER THAT MAY CAUSE DAMAGE TO THE PIPE. TRENCH BACKFILL SHALL BE THOROUGHLY COMPACTED SUCH THAT NO SETTLEMENT OF FINISHED GRADE OCCURS.
8. SLEEVES SHALL BE INSTALLED AT A DEPTH OF AT LEAST 24 INCHES BELOW PAVEMENT SURFACE, AND NO DEEPER THAN 36 INCHES. END OF THE SLEEVE SHALL EXTEND 18 INCHES BEYOND CURB OR PAVEMENT EDGE (SEE DETAIL).
9. THE CONTRACTOR SHALL INSTALL A VERTICAL STUB THAT IS AT LEAST 18 INCHES ABOVE GRADE AT EACH END OF THE SLEEVE TO MARK ITS EXACT LOCATION.
10. ONCE THE SLEEVING IS INSTALLED, THE CONTRACTOR SHALL INSTALL A TEMPORARY CAP ON EACH END OF THE SLEEVE TO MARK ITS EXACT LOCATION.
11. THE CONTRACTORS SHALL LOCATE AND UNCOVER THE ENDS OF ALL SLEEVES.

C. SYSTEM PERFORMANCE REQUIREMENTS

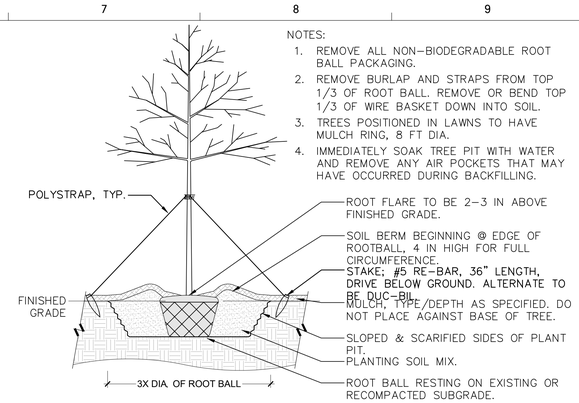
1. IRRIGATION ZONE CONTROLS SHALL BE AUTOMATIC OPERATION WITH CONTROLLER AND AUTOMATIC CONTROL VALVES.
2. GENERAL IRRIGATION COVERAGE IS NOT ACCEPTABLE.
3. ALL TURF, SHRUB / GROUNDCOVER BEDS AND SEASONAL COLOR BEDS SHALL BE IRRIGATED AND CONTROLLED BY SEPARATE ZONES.
4. MINIMUM WATER COVERAGE NOT LESS THAN"
   a. TURF AREAS: 100 PERCENT
   b. OTHER PLANTIN AREAS: 70 PERCENT
5. COMPONENTS AND INSTALLATION: CAPABLE OF PRODUCING PIPING SYSTEMS WITH THE FOLLOWING MINIMUM WORKING PRESSURE RATINGS:
   a. PRESSURE PIPING: 200 PSIG
   b. CIRCUIT AND DRAIN PIPING: 150 PSIG
   c. DRAIN PIPING: 100 PSIG
6.

PLANTING SOIL & PREPARATION NOTES

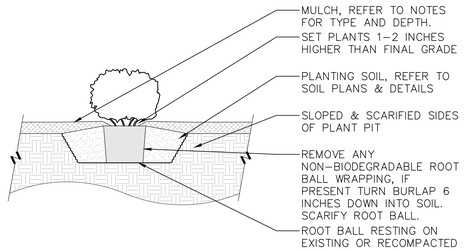
1. CONTRACTOR SHALL CONDUCT & SUBMIT TO THE LANDSCAPE ARCHITECT AN ANALYSIS OF A MINIMUM OF (3) SAMPLES OF EXISTING SOIL FROM AREAS TO BE PLANTED . THE ANALYSIS SHALL BE DONE BY A SOIL TESTING LAB APPROVED BY THE LANDSCAPE ARCHITECT IN ADVANCE AND SHALL INCLUDE THE FOLLOWING RESULTS WITH RECOMMENDATIONS:
   A. S1A - ORGANIC MATTER, AVAILABLE PHOSPHORUS, EXCHANGEABLE POTASSIUM, MAGNESIUM, CALCIUM, SOIL pH, CATION EXCHANGE CAPACITY, PERCENT BASE SATURATION OF CATION ELEMENTS.
   B. S3 - SULFUR, ZINC, MANGANESE, IRON, COPPER, BORON
   C. TEXTURE ANALYSIS
2. TOPSOIL (& PLANTING SOIL WHEN DIFFERENT) SHALL BE PROVIDED MIXED AND READY FOR INSTALLATION. TOPSOIL SHALL MEET THE FOLLOWING CRITERIA & STRIPPED/STOCKPILED TOPSOIL MAY BE USED IF IT CAN REASOANBLY BE BROUGHT UP TO THESE CRITERIA.
   A. FERTILE, FRIABLE, NATURALLY OCCURRING, FREE OF TRASH, ROCKS/STONES, & DEBRIS LARGER THAN 2 INCHES IN ANY DIMENSION
   B. FREE OF ANY GRASSES, WEEDS, SEEDS, PLANTS, & ANY SUBSTANCE HARMFUL TO PLANT GROWTH.
   C. pH RANGE OF 5.0-7.0
   D. ORGANIC MATTER: 5-10%
   E. SAND: 50-70%, SILT: LESS THAN 30%, CLAY: 10-25%
   F. PERMEABILITY RATE OF 5X10 (-3) CENTIMETERS OR GREATER AT 85% COMPACTION.
3. CONTRACTOR SHALL COORDINATE WITH OWNER'S REPRESENTATIVE THE LOCATION OF STOCKPILE AREAS FOR STRIPPED TOPSOIL AND PLANTING SOIL PRODUCTS. CONTRACTOR SHALL ENSURE AREA IS PROTECTED FROM CONTAMINATION & DISTURBANCE
4. FINAL GRADES DEPICTED ON THE GRADING PLAN (REFER TO CIVIL DRAWINGS) ARE TO ACCOUNT FOR PLANTING SOIL DEPTHS INDICATED IN THE LANDSCAPE DRAWINGS/DETAILS. CONTRACTOR SHALL ENSURE SUBGRADE IS SCARIFIED PRIOR TO INSTALLING PLANTING SOIL.
5. FINAL FINISHED GRADING SHALL BE REVIEWED BY THE LANDSCAPE ARCHITECT. CONTRACTOR IS RESPONSIBLE FOR ANY ADDITIONAL TOPSOIL REQUIRED TO CREATE A SMOOTH CONDITION SUITABLE FOR PLANTING.
6. ALL TRASH, DEBRIS LARGER THAN 2 INCHES IN DIAMETER IN ANY DIRECTION, ROCK, COBBLE, EXCAVATION SPOILS, & GRAVEL SHALL BE REMOVED AND LEGALLY DISPOSED OF OFF-SITE PRIOR TO THE INSTALLATION OF TOPSOIL/PLANTING SOIL.
7. COORDINATE INSTALLATION OF TOPSOIL/PLANTING SOIL WITH OTHER WORK. PLACEMENT SHALL OCCUR AFTER INSTALLATION OF HARDSCAPE IMPROVEMENTS, IRRIGATION SYSTEMS, UTILITIES, ETC. AND BEFORE PLANT INSTALLATION.
8. PRIOR TO PLANT INSTALLATION, PLANT BEDS AND PITS SHALL BE TESTED FOR PERCOLATION BY THE CONTRACTOR AT NO ADDITIONAL COST TO OWNER. TEST SHALL CONSIST OF 1 FT DIAMETER BY 1 FT DEEP MIN HOLE, OR THE PLANTING PIT, FILLED WITH WATER. IF WATER HAS NOT DISSIPATED BY 50% WITHIN 2 HOURS, NOTIFY THE LANDSCAPE ARCHITECT IN WRITING PRIOR TO INSTALLATION. IN HARDPAN CONDITIONS, INSTALL DRAIN PIPES AS PER PLANTING DETAILS.

PLANT INSTALLATION NOTES

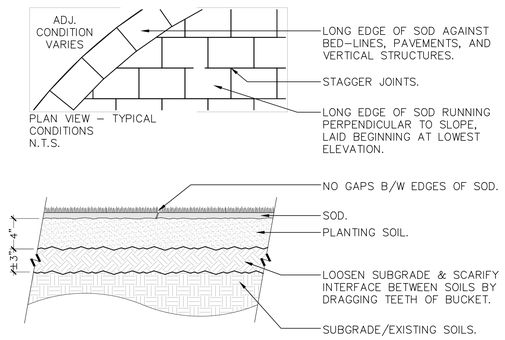
1. PLANT NAMES MAY BE ABBREVIATED ON DRAWINGS. REFER TO PLANT SCHEDULE FOR ABBREVIATIONS, BOTANICAL & COMMON NAMES, SIZES, ESTIMATED QUANTITIES AND OTHER REMARKS.
2. CONTRACTOR SHALL VERIFY THE TOTAL QUANTITIES INDICATED IN THE PLANT LIST WITH THE QUANTITIES SHOWN ON THE PLAN. CONTRACTOR SHALL PROVIDE QUANTITIES REQUIRED TO COMPLETE PROPOSED PLANTING AS INDICATED ON THE PLAN.
3. CONTRACTOR SHALL GIVE THE LANDSCAPE ARCHITECT THE OPPORTUNITY TO TAG & REVIEW TREES IN THE NURSERY OR FIELD PRIOR TO DIGGING.
4. ALL PLANT/ROOTBALL SIZES & THE METHOD OF DETERMINING TREE CALIPER SHALL CONFORM TO THE RECOMMENDATIONS OF THE LATEST EDITION OF ANSI Z60.1 - AMERICAN STANDARD FOR NURSERY STOCK.
5. ANY & ALL PLANT SUBSTITUTIONS SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO PURCHASE & INSTALLATION.
6. THE LANDSCAPE ARCHITECT MAY REJECT ANY PLANT AT ANY TIME UNTIL THE END OF THE WARRANTY PERIOD. PLANTS THAT RECEIVED A PRIOR APPROVAL ARE NOT EXCLUDED FROM REJECTION AT A LATER DATE. GROUNDS FOR REJECTION INCLUDE BUT ARE NOT LIMITED TO:
   A. NON-CONFORMANCE WITH CRITERIA DESCRIBED IN PLANT SCHEDULE.
   B. THE PRESENCE, EVIDENCE, OR DAMAGE FROM DISEASE, INSECTS/PESTS, EGGS, & LARVAE.
   C. GIRDLED & KINKED ROOTS, CRACKED/BROKEN ROOT BALLS, MECHANICALLY DAMAGED ROOTS.
   D. BROKEN LIMBS, INCLUDED BARK, OR EVIDENCE OF MECHANICAL INJURY.
   E. PLANTS THAT ARE NOT FULL/DENSE, WELL BRANCHED, OR SYMMETRICAL UNLESS IT IS UNCHARACTERISTIC OF SPECIFIED SPECIES.
   F. PLANTS DETERMINED AT THE DISCRETION OF THE LANDSCAPE ARCHITECT TO BE AESTHETICALLY DEAD WHERE APPROXIMATELY 25% OR MORE OF THE PLANT IS SHOWING SIGNS OF DEATH/DIEBACK.
   G. SHIPMENT TO THE SITE IN UNCOVERED VEHICLES/TRAILERS REGARDLESS OF SEASON.
5. REMOVE FROM SITE ANY & ALL EXISTING VEGETATION INCLUDING STUMPS & ROOTS IN CONFLICT WITH PLANTING PLAN UNLESS EXPLICITLY DESIGNATED FOR PROTECTION.
6. LAYOUT ALL TREES & BED-LINES AS INDICATED IN THE LANDSCAPE DRAWINGS AND RECEIVE APPROVAL FROM THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. LAYOUT SHALL BE DONE WITH HIGH VISIBILITY FLAGS AND/OR WOODEN STAKES & BED-LINES SHALL BE LAID OUT WITH MARKING PAINT. THE LANDSCAPE ARCHITECT RESERVES THE RIGHT TO MAKE LAYOUT ADJUSTMENTS AS NECESSARY AT NO ADDITIONAL COST TO OWNER . NOTIFY LANDSCAPE ARCHITECT OF CONTEMPLATED ADJUSTMENTS TO THE LAYOUT & RECEIVE APPROVAL PRIOR TO COMMENCING WITH ADJUSTMENT.
7. DO NOT INSTALL PLANTS IN SATURATED OR FROZEN CONDITIONS. DO NOT INSTALL PLANTS DURING INCLEMENT WEATHER.
8. SET ALL PLANTS PLUMB & TURNED SO THAT THE MOST ATTRACTIVE SIDE IS MOST COMMONLY VIEWED. MAINTAIN IN PLUMB POSITION THROUGHOUT WARRANTY PERIOD.
9. ALL PLANTING BEDS AND TREES SHALL BE MULCHED WITH 3-4 IN. OF SETTLED PINE STRAW THAT IS FREE FROM DEBRIS, LEAVES, TWIGS, INSECTS, GRASSES, WEEDS, PLANTS AND THEIR SEEDS, AND ANY SUBSTANCE HARMFUL TO PLANT GROWTH. PINE STRAW MULCH SHALL BE TUCKED & ROLLED AT ALL EDGES.
   A. TREES PLACED IN SODDED/TURFGRASS AREAS SHALL BE MULCHED WITH AN 8 FT. DIAMETER MULCH RING UNLESS OTHERWISE NOTED ON PLANS.
10. CONTRACTOR TO PROVIDE INTERIM MAINTENANCE UNTIL SUBSTANTIAL COMPLETION NOTICE IS PROVIDED BY THE LANDSCAPE ARCHITECT. THIS INCLUDES:
    A. WATERING
    B. MOWING, TRIMMING, EDGING, BLOWING & WEEDING.
    C. FERTILIZING & APPLICATION OF NECESSARY INSECTICIDES/HERBICIDES
    D. GUYING TREES WHEN DIRECTED BY OWNER OR LANDSCAPE ARCHITECT.
    E. ADEQUATE DRAINAGE OF PONDING AREAS.
    F. GENERAL LANDSCAPE CLEAN-UP.



1 TREE PLANTING
3/8" = 1'-0"



2 SHRUB PLANTING
3/4" = 1'-0"



3 SOD INSTALLATION
1 1/2" = 1'-0"

ALPHA SITE SET 10-29-2024

GMC
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ISSUE | DATE
Final CD Submission | 2024.01.29

DRAWN BY: AP
CHECKED BY: MM

Jackson County Airport Terminal
Jackson County, GA

GMC Project #: AATL230012

GEORGIA
REGISTERED
NATHAN MATTHEW MITCHELL
LANDSCAPE ARCHITECT

LANDSCAPE DETAILS

L2.01

DRAWING FILE: X:\Jobs_Parks\Jackson County Airport Terminal\AATL2300XX - HARDSCAPE.dwg
PLOTTED: Jan 16, 2024 - 9:45am