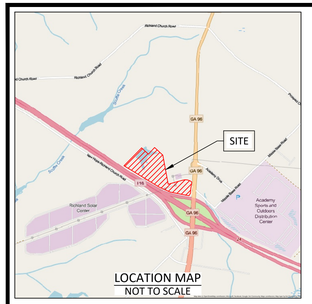

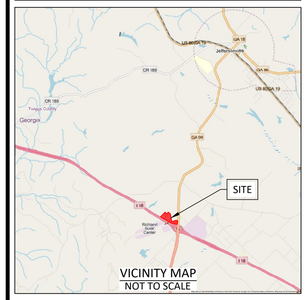

TA TRAVEL CENTER JEFFERSONVILLE, GA

TWIGGS COUNTY, GA

PREPARED FOR:

STROUD AND COMPANY

STROUD AND COMPANY

DATE:

NOVEMBER 2025

TravelCenters of America

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C1.0	PROJECT COVER
C2.0	GENERAL NOTES
C3.0	EXISTING CONDITIONS
C3.1	DEMOLITION PLAN - WEST
C3.2	DEMOLITION PLAN - EAST
C4.0	OVERALL SITE PLAN
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C5.0	OVERALL UTILITY PLAN
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C14.0 - C14.1	EROSION, SEDIMENTATION & POLLUTION CONTROL NOTES
C15.0 - C15.6	CONSTRUCTION DETAILS
C16.0 - C16.1	EROSION CONTROL DETAILS

PROPOSED LINE LEGEND	
PROPERTY LINE	
RIGHT-OF-WAY	
EASEMENT	
SETBACK / BUFFER	
OVERHEAD POWER	P P
OVERHEAD TELECOMM.	T/C T/C
BUILDING LINE	
SANITARY SEWER	SS SS
SANITARY SEWER FORCE MAIN	FM> FM>
STORM SEWER	
WATER LINE	W W
NATURAL GAS	G G
SURFACE MAJOR CONTOUR	
SURFACE MINOR CONTOUR	
DITCH / SWALE	
SILT FENCE	X X X X
LIMITS OF DISTURBANCE	

PROPOSED SYMBOL LEGEND	
POWER POLE, LIGHT POLE (PP, LP)	PP LP
BACK FLOW PREVENTER (RPZ, DDCV)	DDCV BFP
FIRE DEPT. CONNECTION / POST INDICATOR VALVE / HYDRANT	PIV
METERS (WM, GM)	WM GM
VALVES (WV, GV)	WV GV
CLEANOUT (ST CO, SS CO)	ST CO SS CO
MANHOLES (STMH, SSMH)	ST SS
GRATE INLETS (GI, HGI)	2'x2' DBL. 2'x2' 3'x2' HGI
CURB INLETS (STD., SWCI, DWCI)	
FLARED/SAFTY END SECTION (FES, SES)	
HEADWALL (HW)	
OUTLET CONTROL STRUCTURE (OCS)	
SIGNS	TRAFFIC MONUMENT PYLON DBL TRAFFIC
DIRECTIONAL TRAFFIC ARROWS	
BOLLARD / WHEEL STOP	

AXIS ENGINEERING CONSULTANTS

PROJECT DATA TABLE	
OWNER DEVELOPER	STROUD AND COMPANY P.O. BOX 4044 MACON, GEORGIA 31208 (478) 743-5097 dleonard@stroudandcompany.com
PROJECT LOCATION	4838 HIGHWAY 96 WEST JEFFERSONVILLE, GEORGIA 31044
PARCEL NUMBER	T103 002, T103 004
ZONING / LAND USE	GENERAL COMMERCIAL
PROJECT AREA / LAND LOT & DISTRICT	±33.9 ACRES / LAND LOTS 40 & 65, LAND DISTRICT 25
IMPERVIOUS AREA	± 18.86 ACRES
PROPOSED USE	±16,047 SF TRAVEL CENTER WITH ±15,816 SF MAINTENANCE BUILDING
DISTURBED AREA	±34.6 ACRES

REVISIONS

No.	DATE	DESCRIPTION
1	02/25/26	REVISIONS PER OWNER - VALUE ENGINEERING
2	04/02/26	REVISIONS PER GDOT COMMENTS
3	04/09/26	REVISIONS PER GTC COMMENTS
4	04/22/26	REVISIONS PER OWNER
5	04/30/26	REVISIONS PER GDOT COMMENTS
6	07/17/26	ISSUED FOR CONSTRUCTION

AXIS ENGINEERING CONSULTANTS
LEESBURG • VALDOSTA • WARNER ROBINS

PROJECT COVER

TA TRAVEL CENTER JEFFERSONVILLE, GA

GEORGIA
AXIS ENGINEERING CONSULTANTS
PEF009117
06/30/2026
CERTIFICATE OF AUTHORIZATION

GEORGIA
REGISTERED
No. PE032671
PROFESSIONAL
07/15/2026
ENGINEER
BRYAN HILL

PROJECT NO.	25-25019
DATE:	11/03/2025
DRAWN BY:	AF
CHECK BY:	JM

SHEET NO.

C1.0

TWIGGS PLANNING & ZONING

REZONING PERMIT

BY THE AUTHORITY OF COUNTY OF TWIGGS GEORGIA, THE FOLLOWING SPECIFIED PERMIT IS HEREBY GRANTED TO

NAME: *STROUD AND COMPANY*

ADDRESS: *HWY 96 WEST*

PARCEL: *T103 002*

This permit is issued and accepted subject to the representations made on the application therefore and may be suspended or revoked for cause as provided by law. This permit shall observe and comply with all laws, ordinances, rules and regulation of the United States Government, State of Georgia, County of Twiggs and all Agencies Thereof.

Issuance date: *February 21, 2025*

County Staff

THE PERMIT CAN BE REVOKED IF THE OWNER VIOLATES THE CONDITIONS OF THIS PERMIT

PROJECT AREA NOTES:

1. A TOPOGRAPHIC SURVEY WAS PROVIDED BY SAM AND DATED 12/19/2024. A COPY CAN BE PROVIDED UPON REQUEST.
2. THE PROPOSED DEVELOPMENT IS LOCATED AT 4838 HIGHWAY 96 WEST, JEFFERSONVILLE, GEORGIA 31044. THE HORIZONTAL DATA SHOWN ON THE PLANS IS BASED ON NAD83 GEORGIA WEST. THE VERTICAL DATA SHOWN ON THE PLANS IS BASED ON NAVD 88(12B).
3. THE PROPOSED PROJECTS CONSISTS OF THE CONSTRUCTION OF AN ±16,047 SF TRAVEL CENTER AND AN ±14,697 SF TRUCK MAINTENANCE BUILDING INCLUDING FUELING AREAS, ASPHALT PARKING AND DRIVE AREAS, PEDESTRIAN SIDEWALKS, LANDSCAPE AREAS, STORMWATER MANAGEMENT AND CONVEYANCE SYSTEMS.
4. THE PROJECT AREA IS ±33.9 ACRES WITH A DISTURBED AREA OF ±34.6 ACRES.
5. NO WETLANDS HAVE BEEN IDENTIFIED WITHIN THE PROJECT AREA.
6. NO STATE WATERS HAVE BEEN IDENTIFIED AND DELINEATED ON OR WITHIN TWO HUNDRED FEET (200') OF THE PROJECT AREA.
7. THE RECEIVING WATERS FOR THE PROJECT HAVE BEEN IDENTIFIED AS SCUFFLE CREEK.
8. NO IMPAIRED WATERS HAVE BEEN IDENTIFIED WITHIN ONE (1) MILE OF THE PROJECT AREA.
9. THE PROPERTY SHOWN WITHIN THE PLANS IS LOCATED IN FLOOD ZONE ZONE X AS PER FLOOD INSURANCE RATE MAP FOR TWIGGS COUNTY UNICORPORATED AREAS, AND SHOWN ON MAP NO. 13289C0165B, WITH AN EFFECTIVE DATE OF 12/17/2010. FLOOD ZONE ZONE X DENOTES AREA OF MINIMAL FLOOD HAZARD.
10. REPORTS:
    A. A GEOTECHNICAL INVESTIGATION REPORT HAS BEEN PERFORMED BY TERRACON CONSULTANTS, INC. AND DATED 02/19/2025. A COPY CAN BE PROVIDED UPON REQUEST.
    B. A PHASE 1 ENVIRONMENTAL ASSESSMENT HAS BEEN PERFORMED FOR THE PROJECT BY ATLAS TECHNICAL CONSULTANTS, LLC AND DATED 11/11/2025. A COPY CAN BE PROVIDED UPON REQUEST.
    C. NO ACM SURVEY HAS BEEN PERFORMED. THE CONTRACTOR SHALL TAKE PRECAUTIONS AS NEEDED WHEN HANDLING ANY MATERIAL SUSPECTED TO CONTAIN ANY ASBESTOS. THE CONTRACTOR SHALL PROPERLY DISPOSE OF ANY MATERIAL CONTAINING ASBESTOS.
    D. A HYDROLOGY REPORT HAS BEEN PREPARED BY AXIS ENGINEERING CONSULTANTS, LLC AND DATED 11/03/2025. A COPY CAN BE PROVIDED UPON REQUEST.

GENERAL NOTES:

1. ALL CONSTRUCTION DOCUMENTS AND REPORTS ARE TO BE REVIEWED BY THE CONTRACTOR. THE CONTRACTOR SHALL BE FAMILIAR WITH THE PROJECT AREA BEFORE COMMENCING ANY CONSTRUCTION ACTIVITIES.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING ALL PERMITS ARE OBTAINED BEFORE COMMENCING ANY CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL ENSURE ALL CONSTRUCTION STANDARDS AND SPECIFICATIONS ARE MET FOR THE PROJECT OF THE LOCAL OR STATE AUTHORITY FOR THE PROJECT AREA.
3. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF RECORD WITHIN TWENTY FOUR (24) HOURS OF ANY DISCREPANCIES OR CONFLICTS OF ALL INFORMATION PROVIDED BY THE CONSTRUCTION PLANS FOR THE PROJECT SCOPE BASED ON UNSATISFACTORY FIELD CONDITIONS. THE CONTRACTOR SHALL NOT COMMENCE ANY CONSTRUCTION ACTIVITIES UNTIL ALL DISCREPANCIES, CONFLICTS, UNSATISFACTORY FIELD CONDITIONS, ETC. ARE RESOLVED.
4. THE CONTRACTOR SHALL PROVIDE A MINIMUM OF SEVENTY TWO (72) HOUR NOTICE TO THE UTILITIES PROTECTION CENTER PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL PROVIDE ALL REQUIRED PROTECTION FOR ALL EXISTING UTILITIES WITHIN THE PROJECT AREA. THE CONTRACTOR SHALL REPAIR ANY UTILITIES DAMAGED DURING CONSTRUCTION AT NO COST TO THE OWNER OR DEVELOPER.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING ALL FILL MATERIAL (CLEAN AND FREE OF DEBRIS AND ORGANIC MATERIAL) NEEDED FOR THE PROJECT UNLESS OTHERWISE INSTRUCTED BY THE OWNER OR DEVELOPER.
6. THE CONTRACTOR SHALL MAKE THEIR OWN INTERPRETATION OF ALL SITE CONDITIONS RELATED TO THE SCOPE OF THE PROJECT REGARDING GRADING. THE CONTRACTOR SHALL MAKE THEIR OWN DETERMINATION OF WHAT IS SUITABLE FILL OR WASTE MATERIAL AS RECOMMENDED BY THE GEOTECHNICAL REPORT.
7. ALL DATA SHOWN HEREON ARE BASED UPON FIELD INVESTIGATION OF THE PROJECT AREA. THIS DATA SHALL BE USED AS INFORMATION ONLY AND IN NO WAY GURANTEE OR BIND THE ENGINEER AS TO THE ACTUAL FIELD CONDITIONS.
8. ALL UNDERGROUND UTILITY INFORMATION SHOWN ON THE PLANS ARE BASED ON ABOVE GROUND STRUCTURES OR GROUND MARKINGS BY OTHERS. THE ENGINEER SHALL NOT BE HELD RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF THE UNDERGROUND UTILITY INFORMATION SHOWN ON THE PLANS.

PROJECT CONTACTS:

1. OWNER/DEVELOPER:
   STROUD AND COMPANY
   P.O. BOX 4044
   MACON, GEORGIA 31208
   (478) 743-5097
   DLEONARD@STROUDANDCOMPANY.COM
2. ENGINEER OF RECORD:
   BRIAN H. BRAUN, P.E.
   AXIS ENGINEERING CONSULTANTS, LLC.
   102 ED BAYER COURT, SUITE 110
   WARNER ROBINS, GEORGIA 31763
   (229) 638-8595
   BBRAUN@AECONLLC.NET
3. PROJECT MANAGER:
   JESSE V. MITCHELL, P.E.
   AXIS ENGINEERING CONSULTANTS, LLC.
   2704 NORTH OAK STREET, BUILDING P
   VALDOSTA, GEORGIA 31602
   (229) 638-8595
   JMITCHELL@AECONLLC.NET

UTILITY CONTACTS:

POWER	GEORGIA POWER (404) 506-6539 OCONEE EMC (478) 676-1161
WATER	
SANITARY SEWER	
TELECOMMUNICATION	WINDSTREAM (800) 289-1901

AXIS ENGINEERING CONSULTANTS
LEESBURG ★ VALDOSTA ★ WARNER ROBINS

GEORGIA — AXIS ENGINEERING CONSULTANTS PEF009117 — 06/30/2026 — CERTIFICATE OF AUTHORIZATION

REVISIONS

No.	DATE	DESCRIPTION
1	02/25/26	REVISIONS PER OWNER - VALUE ENGINEERING
2	04/02/26	REVISIONS PER GDOT COMMENTS
3	04/09/26	REVISIONS PER GTC COMMENTS
4	04/22/26	REVISIONS PER OWNER
5	04/30/26	REVISIONS PER GDOT COMMENTS
6	07/17/26	ISSUED FOR CONSTRUCTION

GEORGIA — REGISTERED — No. PE032671 PROFESSIONAL — 07/15/2026 — ENGINEER — BRYAN HILL BRAUN

GENERAL NOTES

TA TRAVEL CENTER JEFFERSONVILLE, GA

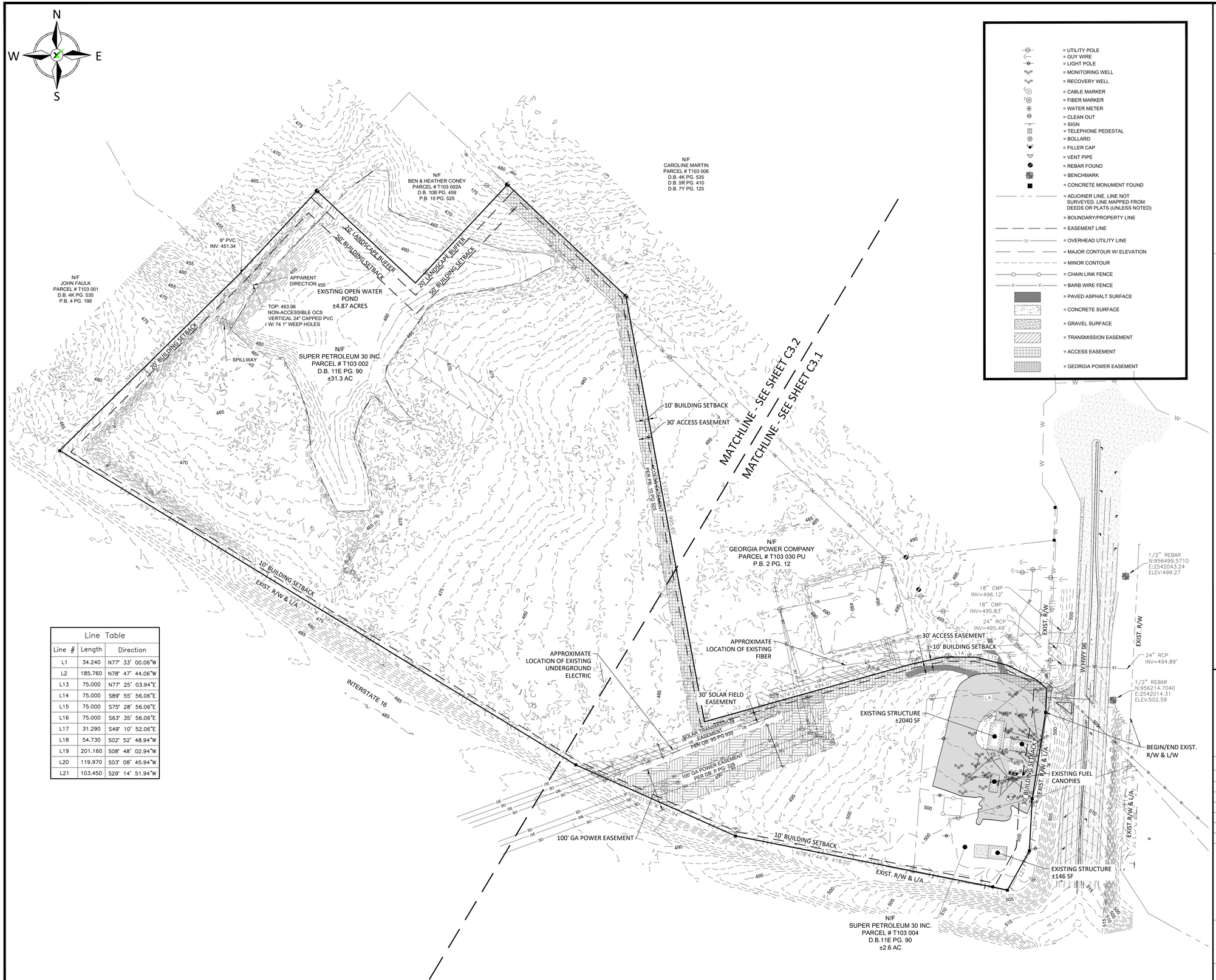
TWIGGS COUNTY, GA

PROJECT NO. 25-25019
DATE: 11/03/2025
DRAWN BY: AF
CHECK BY: JM

STROUD AND COMPANY

SCALE: NOT TO SCALE

SHEET NO. C2.0



Line Table		
Line #	Length	Direction
L1	34.240	N77° 33' 00.06"W
L2	185.760	N78° 47' 44.06"W
L3	75.000	N77° 25' 03.94"E
L14	75.000	S89° 55' 56.06"E
L15	75.000	S75° 28' 56.06"E
L16	75.000	S63° 35' 56.06"E
L17	31.290	S49° 10' 52.06"E
L18	54.730	S02° 52' 48.94"W
L19	201.160	S08° 48' 02.94"W
L20	119.970	S03° 08' 45.94"W
L21	103.450	S29° 14' 51.94"W

EXISTING CONDITIONS & DEMOLITION NOTES:

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8. ALL DEMOLISHED ITEMS SHALL BECOME THE CONTRACTOR'S RESPONSIBILITY TO DISPOSE OF UNLESS OTHERWISE STATED FROM THE OWNER OR DEVELOPER.

AXIS ENGINEERING CONSULTANTS
LEESBURG ★ VALDOSTA ★ WARNER ROBINS

GEORGIA — AXIS ENGINEERING CONSULTANTS PEF009117 06/30/2026 — CERTIFICATE OF AUTHORIZATION

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4	04/22/26	REVISIONS PER OWNER
5	04/30/26	REVISIONS PER GDOT COMMENTS
6	07/17/26	ISSUED FOR CONSTRUCTION

GEORGIA — BRIGHT STEVEN BRYAN HILL BRAUN — NO. PED32671 PROFESSIONAL 07/15/2026 — ENGINEER

EXISTING CONDITIONS

TA TRAVEL CENTER JEFFERSONVILLE, GA

TWIGGS COUNTY, GA

PROJECT NO.	25-25019
DATE:	11/03/2025
DRAWN BY:	AF
CHECK BY:	JM

STROUD AND COMPANY

SCALE: 100' 50' 0' 100'
GRAPHIC SCALE 1" = 100'

SHEET NO.
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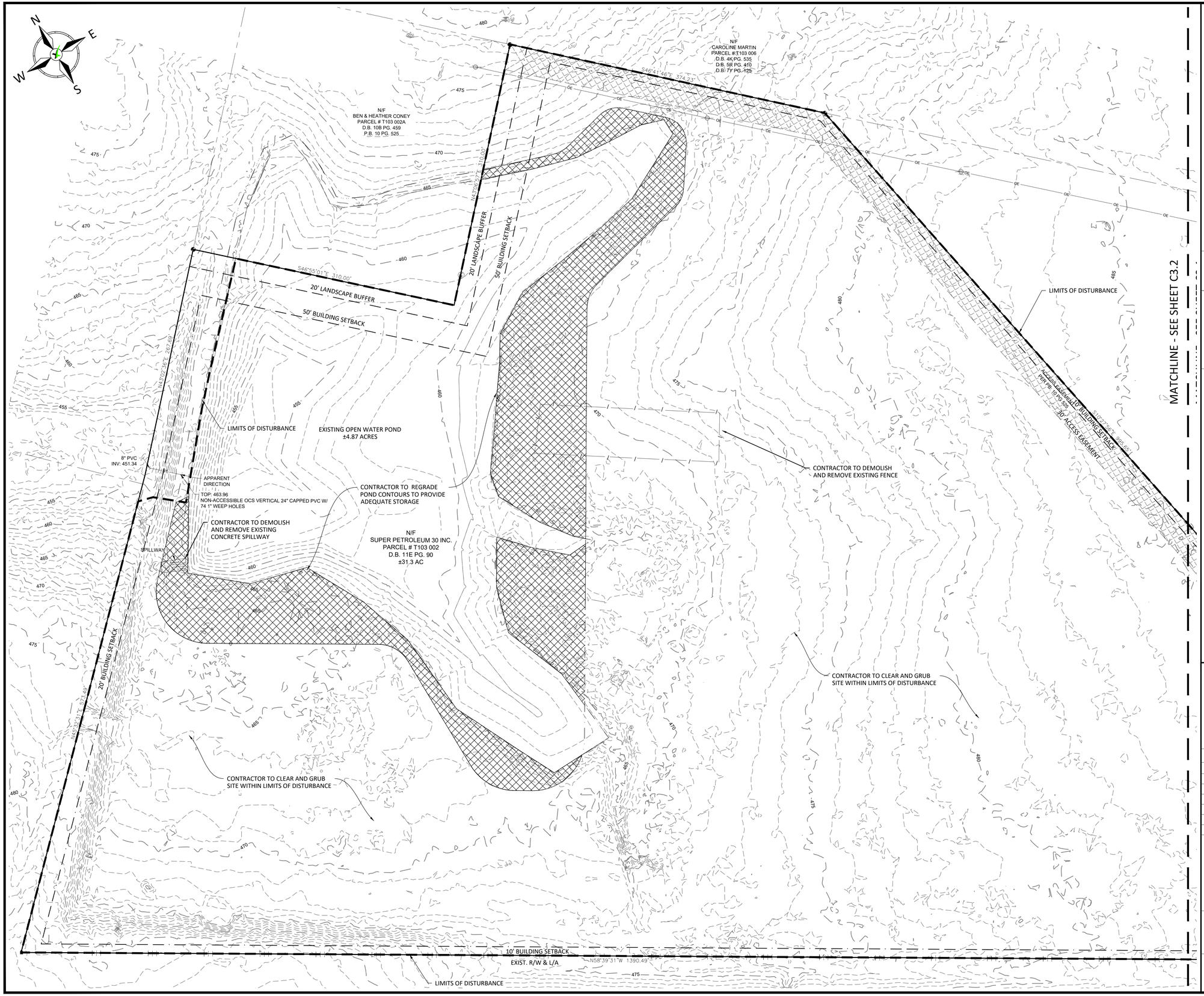

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8. ALL DEMOLISHED ITEMS SHALL BECOME THE CONTRACTOR'S RESPONSIBILITY TO DISPOSE OF UNLESS OTHERWISE STATED FROM THE OWNER OR DEVELOPER.

HATCH LEGEND:

DEMOLITION AREA

KEY NOTES:

1. SAWCUT EXISTING ASPHALT/CONCRETE FOR SMOOTH TRANSITION

AXIS ENGINEERING CONSULTANTS
LEESBURG ★ VALDOSTA ★ WARNER ROBINS

GEORGIA — AXIS ENGINEERING CONSULTANTS — PEF009117 — CERTIFICATE OF AUTHORIZATION — 06/30/2026

REVISIONS

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6	07/17/26	ISSUED FOR CONSTRUCTION

GEORGIA — REGISTERED — No. PE032671 — PROFESSIONAL ENGINEER — BRYAN HILL BRAUN — 07/15/2026

DEMOLITION PLAN - WEST

TA TRAVEL CENTER JEFFERSONVILLE, GA

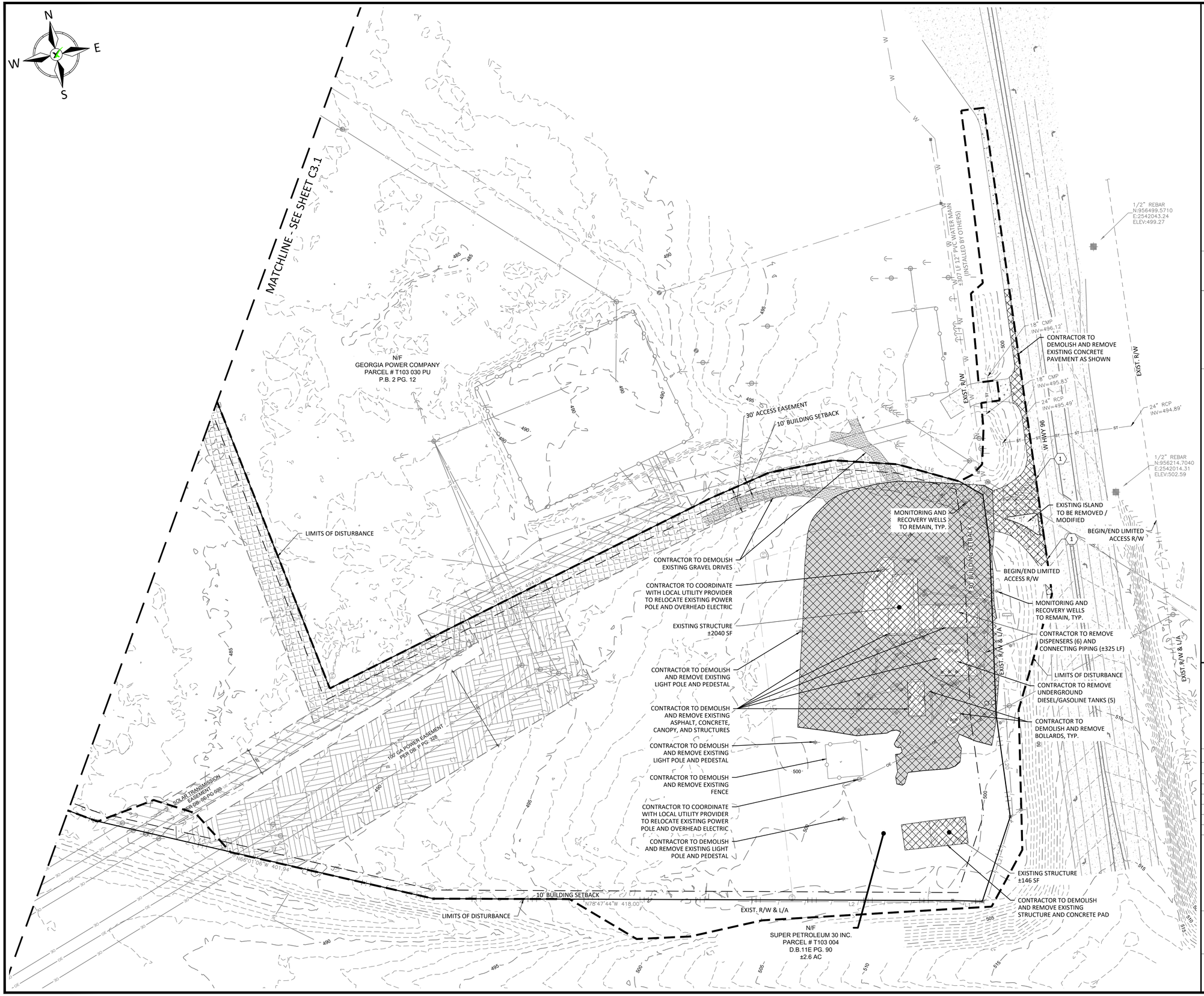
TWIGGS COUNTY, GA

PROJECT NO.	25-25019
DATE:	11/03/2025
DRAWN BY:	AF
CHECK BY:	JM

STROUD AND COMPANY

SCALE: 50' 25' 0' 50' — GRAPHIC SCALE 1" = 50'

SHEET NO. C3.1



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DEMOLITION AREA

KEY NOTES:

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AXIS ENGINEERING CONSULTANTS
LEESBURG ★ VALDOSTA ★ WARNER ROBINS

GEORGIA — AXIS ENGINEERING CONSULTANTS PEF009117 — 06/30/2026 — CERTIFICATE OF AUTHORIZATION

REVISIONS

No.	DATE	DESCRIPTION
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5	04/30/26	REVISIONS PER GDOT COMMENTS
6	07/17/26	ISSUED FOR CONSTRUCTION

GEORGIA — REGISTERED — No. PE032671 PROFESSIONAL ENGINEER — 07/15/2026 — BRYAN HILL, BRYAN

DEMOLITION PLAN - EAST

TA TRAVEL CENTER JEFFERSONVILLE, GA

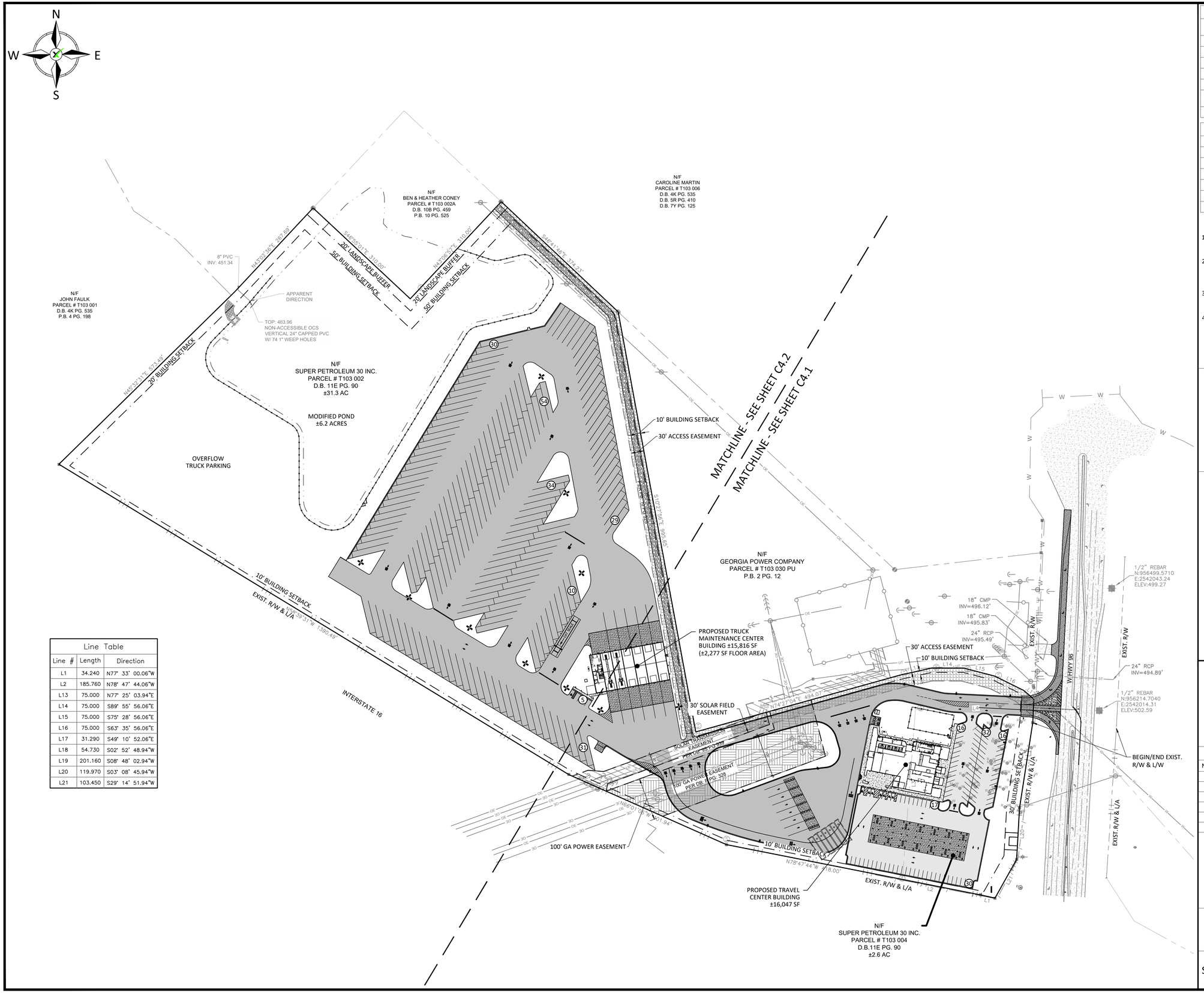
TWIGGS COUNTY, GA

PROJECT NO.	25-25019
DATE:	11/03/2025
DRAWN BY:	AF
CHECK BY:	JM

STROUD AND COMPANY

SCALE: 50' 25' 0' 50' — GRAPHIC SCALE 1" = 50'

SHEET NO. C3.2



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L19	201.160	S08° 48' 02.94"W
L20	119.970	S03° 08' 45.94"W
L21	103.450	S29° 14' 51.94"W

SITE DATA TABLE			
PROJECT ADDRESS		4838 HIGHWAY 96 WEST JEFFERSONVILLE, GEORGIA 31044	
PARCEL NUMBER		T103 002, T103 004 (31.3, ±2.6 ACRES)	
ZONING		GENERAL COMMERCIAL	
PROJECT AREA		±33.9 ACRES	
BUILDING SETBACK		LANDSCAPE BUFFER	
FRONT	30'	FRONT	0'
SIDE	10', 50' ABUT RESIDENTIAL	SIDE	20' ABUT RESIDENTIAL
REAR	20'	REAR	20' ABUT RESIDENTIAL

PARKING CALCULATIONS	
REQUIRED PARKING STALLS	PROVIDED PARKING STALLS
1 SPACE PER 200 SF FLOOR AREA	108 STANDARD SPACES
2,277 SF FLOOR AREA/ 200 SF = 11.4 SPACES	8 HANDICAPPED SPACES
11,165 / 200 SF = 55.8 SPACES	28 STANDARD PUMP STALLS
11.4 + 55.8 = 67.2	6 SEMI-TRUCK PUMP STALLS
	188 SEMI-TRUCK & TRAILER SPACES
68 SPACES REQUIRED	338 SPACES PROVIDED

SITE NOTES:

1. THE HORIZONTAL DATA SHOWN IS BASED ON NAD83 GEORGIA WEST. THE VERTICAL DATA SHOWN IS BASED ON NAVD 88(12B).
2. ALL STRIPING AND SIGNS SHALL CONFORM TO THE LATEST VERSION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), OR THE DEPARTMENT OF TRANSPORTATION STANDARDS AND SPECIFICATIONS.
3. ALL DIMENSIONS SHOWN ARE MEASURED FROM THE FACE OF CURB, EDGE OF ASPHALT, OR EDGE OF BUILDING (WHERE APPLICABLE).
4. HANDICAPPED PARKING AND ACCESSIBLE ROUTES (AT MINIMUM) MEET THE LATEST VERSION OF THE AMERICANS WITH DISABILITIES ACT (ADA) STANDARDS FOR ACCESSIBLE DESIGN. NO ACCESSIBLE SIDEWALK SHALL EXCEED FIVE PERCENT (5%) LONGITUDINAL SLOPE OR TWO PERCENT (2%) CROSS SLOPE. THE ACCESSIBLE PARKING AREAS SHALL NOT EXCEED TWO PERCENT (2%) SLOPE IN ANY DIRECTION. NO ACCESSIBLE RAMP SHALL NOT EXCEED 12H : 1V GRADE.

HATCH LEGEND:

- PROPOSED STD. DUTY ASPHALT PAVEMENT
- PROPOSED HEAVY DUTY ASPHALT PAVEMENT
- PROPOSED GDOT CONCRETE PAVEMENT
- PROPOSED CONCRETE SIDEWALK
- PROPOSED HEAVY DUTY CONCRETE PAVEMENT
- EXISTING CONCRETE PAVEMENT

AXIS ENGINEERING CONSULTANTS
LEESBURG ★ VALDOSTA ★ WARNER ROBINS

GEORGIA — AXIS ENGINEERING CONSULTANTS PEF009117 — CERTIFICATE OF AUTHORIZATION — 06/30/2026

REVISIONS		
No.	DATE	DESCRIPTION
1	02/25/26	REVISIONS PER OWNER - VALUE ENGINEERING
2	04/02/26	REVISIONS PER GDOT COMMENTS
3	04/09/26	REVISIONS PER GTC COMMENTS
4	04/22/26	REVISIONS PER OWNER
5	04/30/26	REVISIONS PER GDOT COMMENTS
6	07/17/26	ISSUED FOR CONSTRUCTION

GEORGIA — REGISTERED — No. PE032671 PROFESSIONAL ENGINEER — 07/15/2026 — BRYAN HILL BRAWN

OVERALL SITE PLAN

TA TRAVEL CENTER JEFFERSONVILLE, GA

TWIGGS COUNTY, GA

PROJECT NO.	25-25019
DATE:	11/03/2025
DRAWN BY:	AF
CHECK BY:	JM

STROUD AND COMPANY

SCALE: 100' 50' 0' 100' — GRAPHIC SCALE 1" = 100'

SHEET NO. C4.0

KEY NOTE LEGEND

1	24" STANDARD CURB AND GUTTER (±4,100 LF)
2	CURB TAPER; TRANSITION (SEE GRADING PLAN)
3	24" WHITE STOP BAR, TYP.
4	5" DOUBLE YELLOW CENTER LINE STRIPING
5	5" WHITE EDGE STRIPING, TYP.
6	6" YELLOW TRAFFIC STRIPING - 18" OC @ 45°, TYP.
7	5" BLUE HANDICAPPED STALL / LOADING AREA STRIPING, TYP.
8	HANDICAPPED / VAN ACCESSIBLE SIGN (R7-8 & R7-SP), TYP.
9	FUTURE MONUMENT SIGN TO BE LOCATED AND PROVIDED POWER BY CONTRACTOR AND VENDOR INSTALLER
10	36" STOP SIGN (R1-1)
11	PROPOSED TRAVEL CENTER BUILDING (±16,047 SF)
12	PROPOSED TRUCK MAINTENANCE CENTER BUILDING (±15,816 SF)
13	PROPOSED ±1,375 LF GRAVEL DRIVE FOR PRIVATE RESIDENCE
14	PROPOSED 262' X 65' STANDARD FUEL CANOPY
15	PROPOSED 133' X 25' TRUCK FUEL CANOPY
16	PROPOSED TRUCK SCALE
17	PROPOSED UNDERGROUND FUEL STORAGE TANKS (STANDARD & DIESEL)
18	PROPOSED 12' X 20' DUMPSTER ENCLOSURE, TYP.
19	DIRECTIONAL ARROWS, TYP.
20	BOLLARD / GUARDRAIL PROTECTION FOR STRUCTURES AND GUY WIRES
21	24" ROLL CURB AND GUTTER (±1,043 LF)
22	PROPOSED 500 GALLON UNDERGROUND PROPANE STORAGE TANK
23	WHEEL STOP, TYPICAL
24	±2,151 LF PLASTIC-COATED 6' HIGH CHAIN LINK FENCE WITH (2) 10' ACCESS GATES
25	6' X 6' TRANSFORMER
26	LED LIGHT, TYPICAL (SEE PHOTOMETRIC PLAN)

N/F
CAROLINE MARTIN
PARCEL # T103 006
D.B. 4K PG. 535
D.B. 5R PG. 410
D.B. 7Y PG. 125

S46°41'46"E 374.23'

N43°06'57"E 370.00'

20' LANDSCAPE BUFFER

50' BUILDING SETBACK

MODIFIED POND
±6.2 ACRES

8" PVC
INV: 451.34

APPARENT DIRECTION

TOP: 463.96
NON-ACCESSIBLE OCS VERTICAL 24" CAPPED PVC W/
74 1" WEEP HOLES

N/F
SUPER PETROLEUM 30 INC.
PARCEL # T103 002
D.B. 11E PG. 90
±31.3 AC

N43°03'31"E 673.59'

20' BUILDING SETBACK

OVERFLOW
TRUCK PARKING

10' BUILDING SETBACK

EXIST. R/W & L/A

N58°39'31"W 1390.49'

S10°27'54"E 695.65'

10' BUILDING SETBACK

30' ACCESS EASEMENT

CAT SCALE

60'

MATCHLINE - SEE SHEET C4.2

SITE DATA TABLE

PROJECT ADDRESS		4838 HIGHWAY 96 WEST JEFFERSONVILLE, GEORGIA 31044	
PARCEL NUMBER		T103 002, T103 004 (31.3, ±2.6 ACRES)	
ZONING		GENERAL COMMERCIAL	
PROJECT AREA		±33.9 ACRES	
BUILDING SETBACK		LANDSCAPE BUFFER	
FRONT	30'	FRONT	0'
SIDE	10', 50' ABUT RESIDENTIAL	SIDE	20' ABUT RESIDENTIAL
REAR	20'	REAR	20' ABUT RESIDENTIAL

PARKING CALCULATIONS

REQUIRED PARKING STALLS	PROVIDED PARKING STALLS
1 SPACE PER 200 SF FLOOR AREA	108 STANDARD SPACES
2,277 SF FLOOR AREA/ 200 SF = 11.4 SPACES	8 HANDICAPPED SPACES
11,165 SF FLOOR AREA / 200 SF = 55.8 SPACES	28 STANDARD PUMP STALLS
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	188 SEMI-TRUCK & TRAILER SPACES
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HATCH LEGEND:

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- PROPOSED HEAVY DUTY ASPHALT PAVEMENT
- PROPOSED CONCRETE SIDEWALK
- PROPOSED HEAVY DUTY CONCRETE PAVEMENT
- EXISTING CONCRETE PAVEMENT

AXIS ENGINEERING CONSULTANTS
LEESBURG ★ VALDOSTA ★ WARNER ROBINS

GEORGIA — AXIS ENGINEERING CONSULTANTS PEF009117 06/30/2026 — CERTIFICATE OF AUTHORIZATION

REVISIONS

No.	DATE	DESCRIPTION
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3	04/09/26	REVISIONS PER GTC COMMENTS
4	04/22/26	REVISIONS PER OWNER
5	04/30/26	REVISIONS PER GDOT COMMENTS
6	07/17/26	ISSUED FOR CONSTRUCTION

GEORGIA — ROBERT STEPHEN BRYAN HILL, BRANN — No. PE032671 PROFESSIONAL ENGINEER 07/15/2026

SITE PLAN - WEST

TA TRAVEL CENTER JEFFERSONVILLE, GA

TWIGGS COUNTY, GA

PROJECT NO. 25-25019
DATE: 11/03/2025
DRAWN BY: AF
CHECK BY: JM

STROUD AND COMPANY

SCALE: 50' 25' 0' 50' — GRAPHIC SCALE 1" = 50'

SHEET NO. C4.1

KEY NOTE LEGEND

1	24" STANDARD CURB AND GUTTER (±4,100 LF)
2	CURB TAPER; TRANSITION (SEE GRADING PLAN)
3	24" WHITE STOP BAR, TYP.
4	5" DOUBLE YELLOW CENTER LINE STRIPING
5	5" WHITE EDGE STRIPING, TYP.
6	6" YELLOW TRAFFIC STRIPING - 18" OC @ 45°, TYP.
7	5" BLUE HANDICAPPED STALL / LOADING AREA STRIPING, TYP.
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15	PROPOSED 133' X 25' TRUCK FUEL CANOPY
16	PROPOSED TRUCK SCALE
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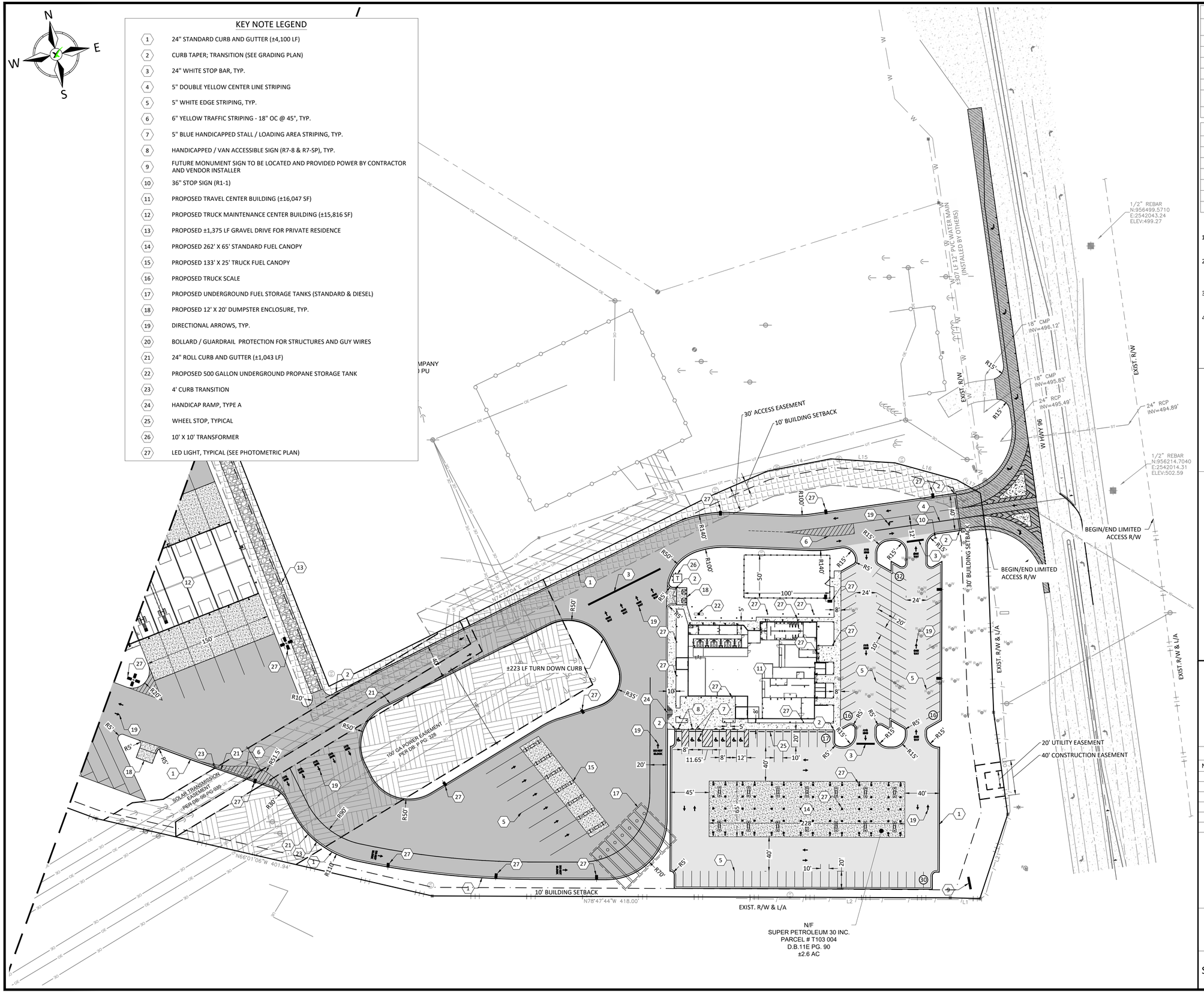
18	PROPOSED 12' X 20' DUMPSTER ENCLOSURE, TYP.
19	DIRECTIONAL ARROWS, TYP.
20	BOLLARD / GUARDRAIL PROTECTION FOR STRUCTURES AND GUY WIRES
21	24" ROLL CURB AND GUTTER (±1,043 LF)
22	PROPOSED 500 GALLON UNDERGROUND PROPANE STORAGE TANK
23	4' CURB TRANSITION
24	HANDICAP RAMP, TYPE A
25	WHEEL STOP, TYPICAL
26	10' X 10' TRANSFORMER
27	LED LIGHT, TYPICAL (SEE PHOTOMETRIC PLAN)



SITE DATA TABLE

PROJECT ADDRESS		4838 HIGHWAY 96 WEST JEFFERSONVILLE, GEORGIA 31044	
PARCEL NUMBER		T103 002, T103 004 (31.3, ±2.6 ACRES)	
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PROJECT AREA		±33.9 ACRES	
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HATCH LEGEND:

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- PROPOSED HEAVY DUTY ASPHALT PAVEMENT
- PROPOSED GDOT CONCRETE PAVEMENT
- PROPOSED CONCRETE SIDEWALK
- PROPOSED HEAVY DUTY CONCRETE PAVEMENT
- EXISTING CONCRETE PAVEMENT

AXIS ENGINEERING CONSULTANTS
LEESBURG ★ VALDOSTA ★ WARNER ROBINS

GEORGIA — AXIS ENGINEERING CONSULTANTS PEF009117 06/30/2026 — CERTIFICATE OF AUTHORIZATION

REVISIONS

No.	DATE	DESCRIPTION
1	02/25/26	REVISIONS PER OWNER - VALUE ENGINEERING
2	04/02/26	REVISIONS PER GDOT COMMENTS
3	04/09/26	REVISIONS PER GTC COMMENTS
4	04/22/26	REVISIONS PER OWNER
5	04/30/26	REVISIONS PER GDOT COMMENTS
6	07/17/26	ISSUED FOR CONSTRUCTION

GEORGIA — REGISTERED No. PE032671 PROFESSIONAL ENGINEER 07/15/2026 — BRYAN HILL, BRYAN

SITE PLAN - EAST

TA TRAVEL CENTER JEFFERSONVILLE, GA

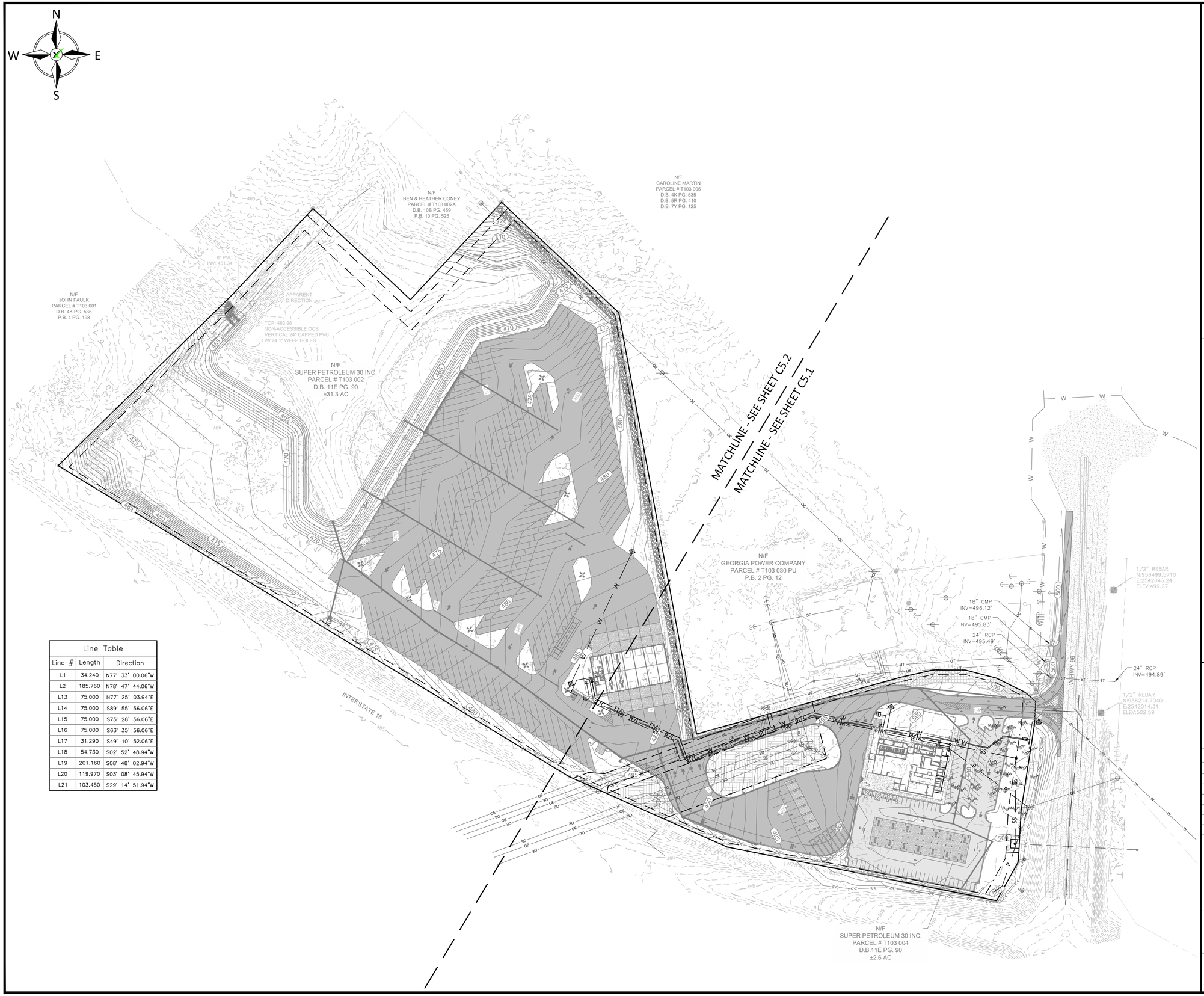
TWIGGS COUNTY, GA

PROJECT NO.	25-25019
DATE:	11/03/2025
DRAWN BY:	AF
CHECK BY:	JM

STROUD AND COMPANY

SCALE: 50' 25' 0' 50' GRAPHIC SCALE 1" = 50'

SHEET NO. C4.2



Line Table		
Line #	Length	Direction
L1	34.240	N77° 33' 00.06"W
L2	185.760	N78° 47' 44.06"W
L13	75.000	N77° 25' 03.94"E
L14	75.000	S89° 55' 56.06"E
L15	75.000	S75° 28' 56.06"E
L16	75.000	S63° 35' 56.06"E
L17	31.290	S49° 10' 52.06"E
L18	54.730	S02° 52' 48.94"W
L19	201.160	S08° 48' 02.94"W
L20	119.970	S03° 08' 45.94"W
L21	103.450	S29° 14' 51.94"W

UTILITY NOTES:

1. THE CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES' SIZE AND LOCATION FROM FIELD OBSERVATION WITHIN THE PROJECT AREA. ALL UTILITY CONNECTIONS SHALL BE COORDINATED WITH UTILITY OWNERS ON ALL CONNECTIONS OR CONFLICTS.
2. THE CONTRACTOR SHALL PROVIDE A MINIMUM OF SEVENTY TWO (72) HOUR NOTICE TO THE UTILITIES PROTECTION CENTER PRIOR TO STARTING ANY CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL PROVIDE PROTECTION FOR ALL EXISTING UTILITIES WITHIN THE PROJECT AREA AS NEEDED. THE CONTRACTOR SHALL REPAIR ANY UTILITIES DAMAGED DURING CONSTRUCTION AT NO COST TO THE OWNER OR DEVELOPER.
3. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND LOCATIONS OF ALL PROPOSED UTILITIES AND COORDINATE WITH ARCHITECTURAL PLANS (IF APPLICABLE) ON CONNECTION LOCATIONS. IF ANY DISCREPANCIES ARE DISCOVERED, THE CONTRACTOR SHALL THE NOTIFY THE ENGINEER WITHIN TWENTY FOUR (24) HOURS.
4. A MINIMUM OF TEN FOOT (10') AND EIGHTEEN INCHES (18") OF VERTICAL SEPARATION SHALL BE MAINTAINED BETWEEN ALL POTABLE WATER MAINS AND SANITARY SEWER MAINS.
5. A MINIMUM OF FOUR FEET (4') OF COVER SHALL BE MAINTAINED ABOVE ALL PROPOSED UTILITY MAINS AND SERVICE CONNECTIONS FOR THE PROJECT.
6. THE CONTRACTOR SHALL ADJUST ALL TOPS OF EXISTING UTILITY STRUCTURES TO MATCH THAT OF THE FINAL GRADE OF PROJECT.
7. ALL SANITARY SEWER AND POTABLE WATER CONSTRUCTION SHALL COMPLY WITH ALL LOCAL AND STATE MINIMUM STANDARDS AND SPECIFICATIONS.
8. ALL PROPOSED SANITARY SEWER MAINS SHALL MEET THE SLOPE REQUIREMENTS AS STATED IN LATEST EDITION OF THE TEN STATE STANDARDS FOR WASTEWATER FACILITIES. ALL SANITARY SEWER SERVICE CONNECTIONS SHALL MAINTAIN A ONE PERCENT (1%) SLOPE UNLESS OTHERWISE SPECIFIED ON THE PLANS.
9. ALL WATER FIXTURES, APPURTENANCES, AND CONSTRUCTION METHODS SHALL MEET THE MINIMUM OF ALL LOCAL AND STATE STANDARDS AND SPECIFICATIONS.
10. ANY UTILITY WORK WITHIN THE STATE RIGHT OF WAY WILL REQUIRE A PERMIT THROUGH THE GEORGIA PERMIT APPLICATION SYSTEM (GPAS) AND WILL NEED TO CONFORM TO THE UTILITY ACCOMMODATION POLICY AND STANDARDS MANUAL (UAM). IT IS THE RESPONSIBILITY OF THE UTILITY OWNER TO APPLY FOR THE PERMIT.

AXIS ENGINEERING CONSULTANTS
LEESBURG ★ VALDOSTA ★ WARNER ROBINS

GEORGIA
AXIS ENGINEERING CONSULTANTS
PEF009117
06/30/2026
CERTIFICATE OF AUTHORIZATION

REVISIONS		
No.	DATE	DESCRIPTION
1	02/25/26	REVISIONS PER OWNER - VALUE ENGINEERING
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5	04/30/26	REVISIONS PER GDOT COMMENTS
6	07/17/26	ISSUED FOR CONSTRUCTION

GEORGIA
REGISTERED
No. PE032671
PROFESSIONAL
07/15/2026
ENGINEER
BRIAN HILL, BRIAN

OVERALL UTILITY PLAN

TA TRAVEL CENTER JEFFERSONVILLE, GA

TWIGGS COUNTY, GA

PROJECT NO. 25-25019
DATE: 11/03/2025
DRAWN BY: AF
CHECK BY: JM

STROUD AND COMPANY

SCALE: 100' 50' 0' 100'
GRAPHIC SCALE 1" = 100'

SHEET NO.
C5.0

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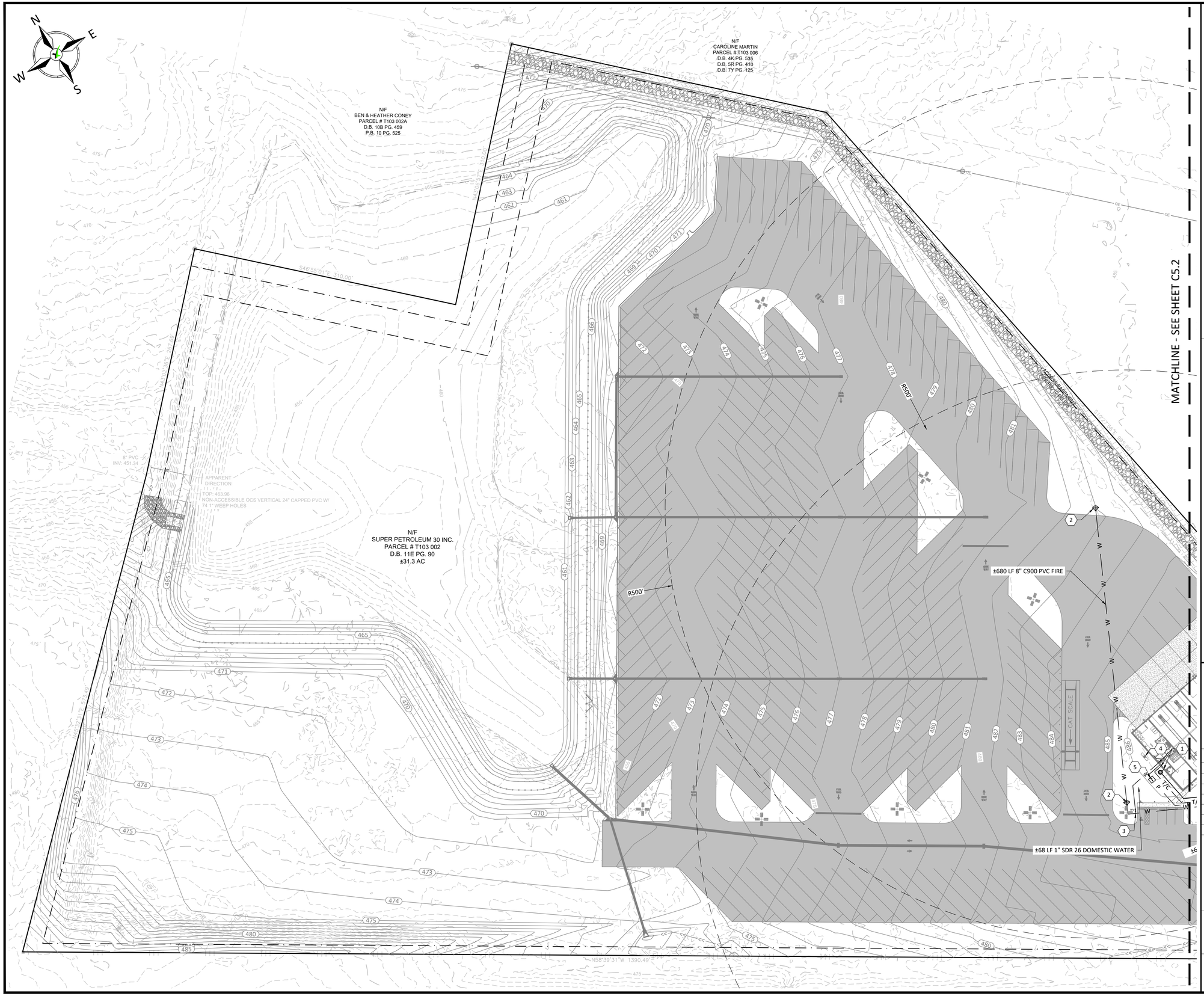

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KEY NOTES:

1. SEE ARCHITECTURAL/MEP PLANS FOR CONTINUATION, TYPICAL
2. FIRE HYDRANT ASSEMBLY WITH:
   1 - 8"X 8" X 8" TEE
   1 - 8" GATE VALVE
3. CONTRACTOR TO INSTALL:
   1 - 2 ½" DOMESTIC RPZ BPF
   1 - 2 ½" GATE VALVE
   1 - 8"X 2 ½" X 8" TEE
4. 500 GALLON UNDERGROUND PROPANE STORAGE TANK
5. 6' X 6' TRANSFORMER

AXIS ENGINEERING CONSULTANTS
LEESBURG ★ VALDOSTA ★ WARNER ROBINS

GEORGIA — AXIS ENGINEERING CONSULTANTS PEF009117 06/30/2026 — CERTIFICATE OF AUTHORIZATION

GEORGIA — REGISTERED — No. PE032671 PROFESSIONAL ENGINEER — 07/15/2026 — BRYAN HILL, BRANN

REVISIONS

No.	DATE	DESCRIPTION
1	02/25/26	REVISIONS PER OWNER - VALUE ENGINEERING
2	04/02/26	REVISIONS PER GDOT COMMENTS
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4	04/22/26	REVISIONS PER OWNER
5	04/30/26	REVISIONS PER GDOT COMMENTS
6	07/17/26	ISSUED FOR CONSTRUCTION

UTILITY PLAN - WEST

TA TRAVEL CENTER JEFFERSONVILLE, GA

TWIGGS COUNTY, GA

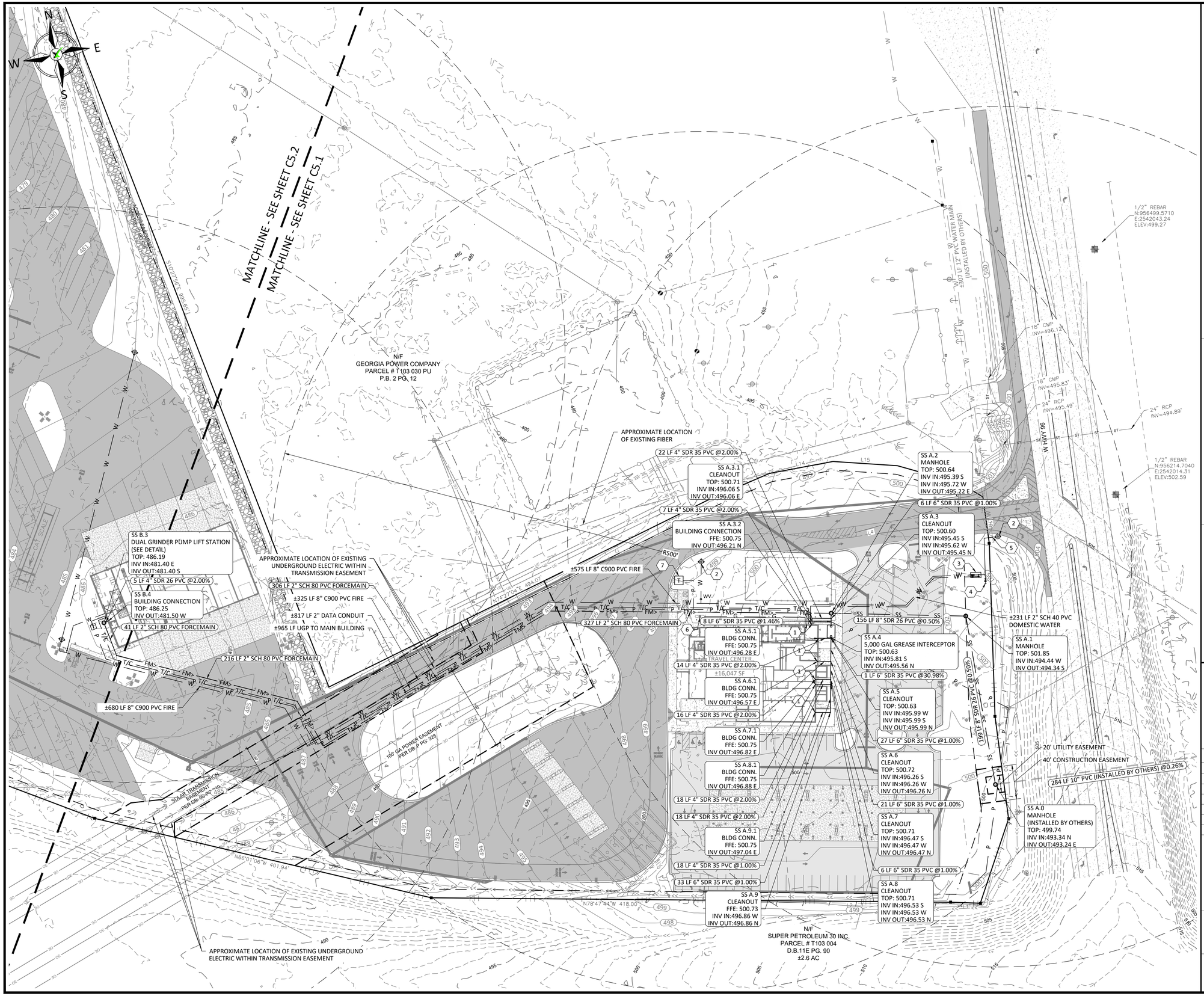
PROJECT NO.	25-25019
DATE:	11/03/2025
DRAWN BY:	AF
CHECK BY:	JM

STROUD AND COMPANY

SCALE: 50' 25' 0' 50'
GRAPHIC SCALE 1" = 50'

SHEET NO.
C5.1

Z:\Shared\AEC\Projects\2025\25-25019 Stroud - TA Travel Center Jeffersonville, GA\DWG\25-25019_B01.dwg - 7/17/2026 8:41 AM



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8. ALL PROPOSED SANITARY SEWER MAINS SHALL MEET THE SLOPE REQUIREMENTS AS STATED IN LATEST EDITION OF THE TEN STATE STANDARDS FOR WASTEWATER FACILITIES. ALL SANITARY SEWER SERVICE CONNECTIONS SHALL MAINTAIN A ONE PERCENT (1%) SLOPE UNLESS OTHERWISE SPECIFIED ON THE PLANS.
9. ALL WATER FIXTURES, APPURTENANCES, AND CONSTRUCTION METHODS SHALL MEET THE MINIMUM OF ALL LOCAL AND STATE STANDARDS AND SPECIFICATIONS.
10. ANY UTILITY WORK WITHIN THE STATE RIGHT OF WAY WILL REQUIRE A PERMIT THROUGH THE GEORGIA PERMIT APPLICATION SYSTEM (GPAS) AND WILL NEED TO CONFORM TO THE UTILITY ACCOMMODATION POLICY AND STANDARDS MANUAL (UAM). IT IS THE RESPONSIBILITY OF THE UTILITY OWNER TO APPLY FOR THE PERMIT.

KEY NOTES:

1. SEE ARCHITECTURAL/MEP PLANS FOR CONTINUATION
2. FIRE HYDRANT ASSEMBLY WITH:
   1 - 8"X 8" X 8" TEE
   1 - 8" GATE VALVE
3. CONTRACTOR TO WITH LOCAL UTILITY OWNER TO INSTALL:
   1 - 2 ½" DOMESTIC WATER METER (IN VAULT)
   1 - 2 ½" DOMESTIC RPZ BFP
   1- 8" FIRE METER (IN VAULT)
   1 - 8" DDCV BFP
4. CONTRACTOR TO WITH LOCAL UTILITY OWNER TO INSTALL:
   1 - 1" IRRIGATION METER
   1 - 1" IRRIGATION RPZ BFP
5. CONTRACTOR TO COORDINATE WITH LOCAL UTILITY OWNER TO INSTALL:
   1 - 8" TAPPING SADDLE AND VALVE
6. 500 GALLON UNDERGROUND PROPANE STORAGE TANK
7. 10' X 10' TRANSFORMER

AXIS ENGINEERING CONSULTANTS
LEESBURG ★ VALDOSTA ★ WARNER ROBINS

GEORGIA — AXIS ENGINEERING CONSULTANTS PEF009117 06/30/2026 — CERTIFICATE OF AUTHORIZATION

REVISIONS

No.	DATE	DESCRIPTION
1	02/25/26	REVISIONS PER OWNER - VALUE ENGINEERING
2	04/02/26	REVISIONS PER GDOT COMMENTS
3	04/09/26	REVISIONS PER GTC COMMENTS
4	04/22/26	REVISIONS PER OWNER
5	04/30/26	REVISIONS PER GDOT COMMENTS
6	07/17/26	ISSUED FOR CONSTRUCTION

GEORGIA — REGISTERED No. PE032671 PROFESSIONAL 07/15/2026 ENGINEER — BRYAN HILL, BRYAN

UTILITY PLAN - EAST

TA TRAVEL CENTER JEFFERSONVILLE, GA

TWIGGS COUNTY, GA

PROJECT NO.	25-25019
DATE:	11/03/2025
DRAWN BY:	AF
CHECK BY:	JM

STROUD AND COMPANY

SCALE: 50' 25' 0' 50'
GRAPHIC SCALE 1" = 50'

SHEET NO.
C5.2

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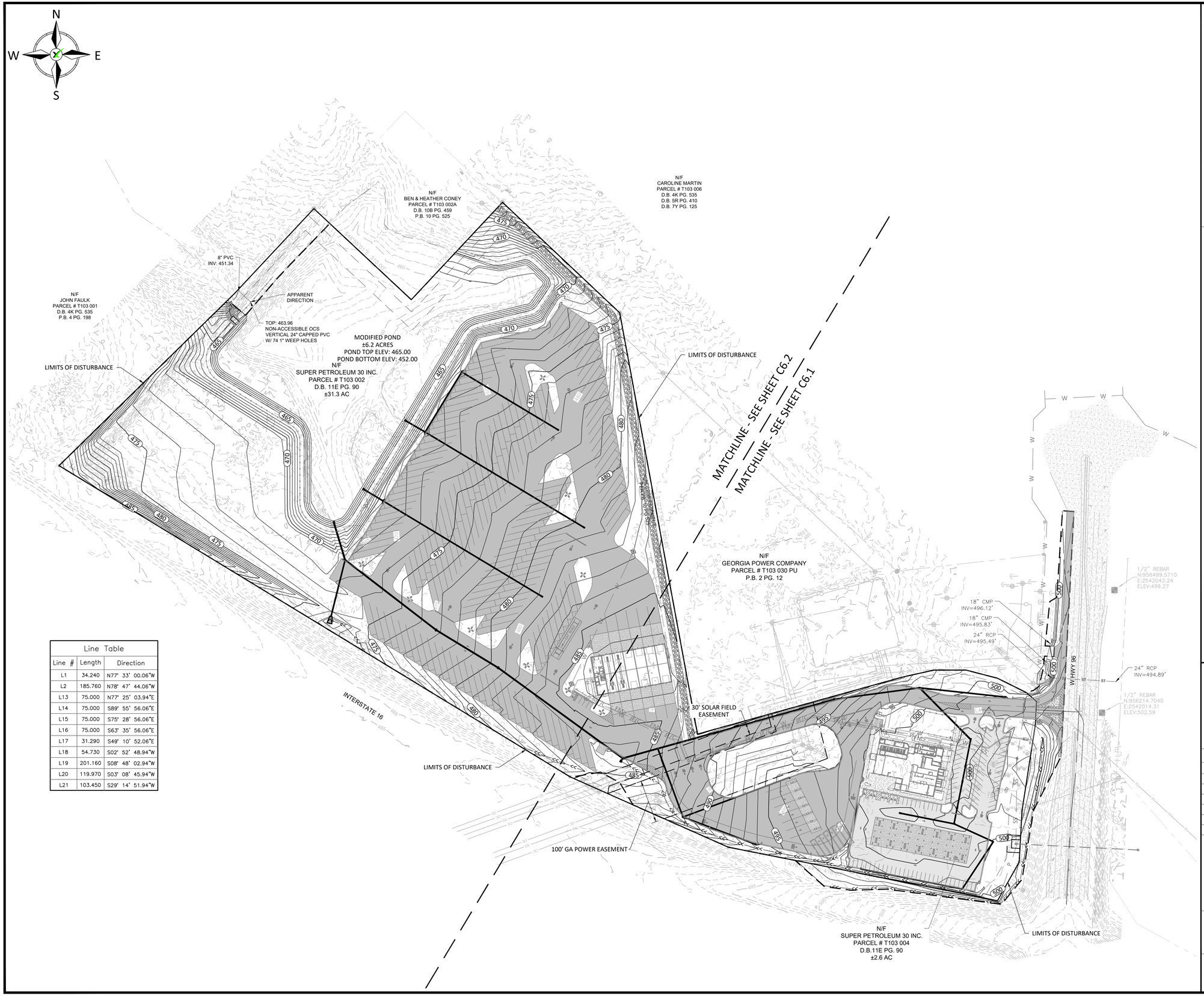
N
W
E
S
N/F
JOHN FAULK
PARCEL # T103 001
D.B. 4K PG. 535
P.B. 4 PG. 198
N/F
BEN & HEATHER CONEY
PARCEL # T103 002A
D.B. 10B PG. 459
P.B. 10 PG. 525
N/F
CAROLINE MARTIN
PARCEL # T103 006
D.B. 4K PG. 535
D.B. 5R PG. 410
D.B. 7Y PG. 125
8" PVC
INV: 451.34
APPARENT
DIRECTION
TOP: 463.96
NON-ACCESSIBLE OCS
VERTICAL 24" CAPPED PVC
W/ 74 1" WEEP HOLES
MODIFIED POND
±6.2 ACRES
POND TOP ELEV: 465.00
POND BOTTOM ELEV: 452.00
N/F
SUPER PETROLEUM 30 INC.
PARCEL # T103 002
D.B. 11E PG. 90
±31.3 AC
LIMITS OF DISTURBANCE
LIMITS OF DISTURBANCE
MATCHLINE - SEE SHEET C6.2
MATCHLINE - SEE SHEET C6.1
N/F
GEORGIA POWER COMPANY
PARCEL # T103 030 PU
P.B. 2 PG. 12
INTERSTATE 16
30' SOLAR FIELD
EASEMENT
LIMITS OF DISTURBANCE
100' GA POWER EASEMENT
N/F
SUPER PETROLEUM 30 INC.
PARCEL # T103 004
D.B.11E PG. 90
±2.6 AC
LIMITS OF DISTURBANCE
18" CMP
INV=496.12'
18" CMP
INV=495.83'
24" RCP
INV=495.49'
1/2" REBAR
N:956499.5710
E:2542043.24
ELEV:499.27
24" RCP
INV=494.89'
1/2" REBAR
N:956214.7040
E:2542014.31
ELEV:502.59
W
W
W



PAVING, GRADING, AND DRAINAGE NOTES:

1. SEE DETAILS FOR TYPICAL PAVEMENT SECTIONS
2. ALL ADA ACCESSIBLE ROUTES AND PARKING SHALL MEET THE LATEST EDITION OF THE AMERICANS WITH DISABILITIES ACTS STANDARDS FOR ACCESSIBLE DESIGN. ALL ADA SIDEWALKS SHALL NOT EXCEED A LONGITUDINAL SLOPE OF FIVE PERCENT (5%) OR A CROSS SLOPE OF TWO PERCENT (2%). ALL ACCESSIBLE RAMPS SHALL NOT EXCEED A 12H:1V GRADE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING ALL ADA SITE FEATURES ARE CONSTRUCTED TO MEET THE MINIMUM ADA GUIDELINES.
3. THE CONTRACTOR SHALL ADJUST THE TOPS OF ALL EXISTING STRUCTURES TO MATCH THAT OF THE FINAL GRADE OF THE PROJECT.
4. ALL FINAL GRADES SHALL BE FLUSH WITH THE BACK OF CURB, EDGE OF PAVEMENT, OR SIDEWALKS UNLESS OTHERWISE STATED IN THE PLANS.
5. FINISHED GRADE ELEVATIONS SHOWN ON THE PLANS ARE TO THE TOP OF PAVEMENT OR FACE OF CURB UNLESS OTHERWISE STATED IN THE PLANS.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL FILL MATERIAL NEEDED FOR THE PROJECT UNLESS OTHERWISE INSTRUCTED BY THE OWNER OR DEVELOPER. ALL FILL MATERIAL SHALL BE CLEAN AND FREE OF ORGANIC MATERIAL AND PLACED IN LIFTS OF EIGHT INCHES (8") OR LESS AND COMPACTED TO NINETY FIVE PERCENT (95%) STANDARD PROCTOR.
7. A GEOTECHNICAL REPORT HAS BEEN PREPARED BY TERRACON CONSULTANTS, INC. AND DATED 02/19/2025. A COPY CAN BE PROVIDED UPON REQUEST.

KEY NOTES:

1. SAWCUT EXISTING ASPHALT/CONCRETE FOR SMOOTH TRANSITION
2. PROPOSED 4' FLUME
3. CONTRACTOR TO USE CAUTION NEAR EXISTING OVERHEAD POWER

SPOT GRADE LEGEND:

100.00	EXISTING GRADE	HP:100.00	PROPOSED HIGH POINT
100.00	PROPOSED GRADE	LP:100.00	PROPOSED LOW POINT

AXIS ENGINEERING CONSULTANTS
LEESBURG ★ VALDOSTA ★ WARNER ROBINS

GEORGIA — AXIS ENGINEERING CONSULTANTS — PEF009117 — 06/30/2026 — CERTIFICATE OF AUTHORIZATION

GEORGIA — REGISTERED — No. PE032671 PROFESSIONAL — 07/15/2026 — ENGINEER — BRYAN HILL, BRAVEN

REVISIONS

No.	DATE	DESCRIPTION
1	02/25/26	REVISIONS PER OWNER - VALUE ENGINEERING
2	04/02/26	REVISIONS PER GDOT COMMENTS
3	04/09/26	REVISIONS PER GTC COMMENTS
4	04/22/26	REVISIONS PER OWNER
5	04/30/26	REVISIONS PER GDOT COMMENTS
6	07/17/26	ISSUED FOR CONSTRUCTION

GRADING PLAN - WEST

TA TRAVEL CENTER JEFFERSONVILLE, GA

TWIGGS COUNTY, GA

PROJECT NO.	25-25019
DATE:	11/03/2025
DRAWN BY:	AF
CHECK BY:	JM

STROUD AND COMPANY

SCALE: 50' 25' 0' 50'
GRAPHIC SCALE 1" = 50'

SHEET NO.
C6.1



PAVING, GRADING, AND DRAINAGE NOTES:

1. SEE DETAILS FOR TYPICAL PAVEMENT SECTIONS
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7. A GEOTECHNICAL REPORT HAS BEEN PREPARED BY TERRACON CONSULTANTS, INC. AND DATED 02/21/2025. A COPY CAN BE PROVIDED UPON REQUEST.

KEY NOTES:

1. SAWCUT EXISTING ASPHALT/CONCRETE FOR SMOOTH TRANSITION

SPOT GRADE LEGEND:

100.00	EXISTING GRADE	HP:100.00	PROPOSED HIGH POINT
100.00	PROPOSED GRADE	LP:100.00	PROPOSED LOW POINT

AXIS ENGINEERING CONSULTANTS
LEESBURG ★ VALDOSTA ★ WARNER ROBINS

GEORGIA
AXIS ENGINEERING CONSULTANTS
PEF009117
06/30/2026
CERTIFICATE OF AUTHORIZATION

REVISIONS

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5	04/30/26	REVISIONS PER GDOT COMMENTS
6	07/17/26	ISSUED FOR CONSTRUCTION

GEORGIA
REGISTERED
No. PE032671
PROFESSIONAL
07/15/2026
ENGINEER
BRYAN HILL, BRYAN

GRADING PLAN - EAST

TA TRAVEL CENTER JEFFERSONVILLE, GA

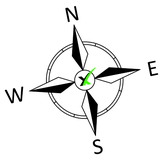
TWIGGS COUNTY, GA

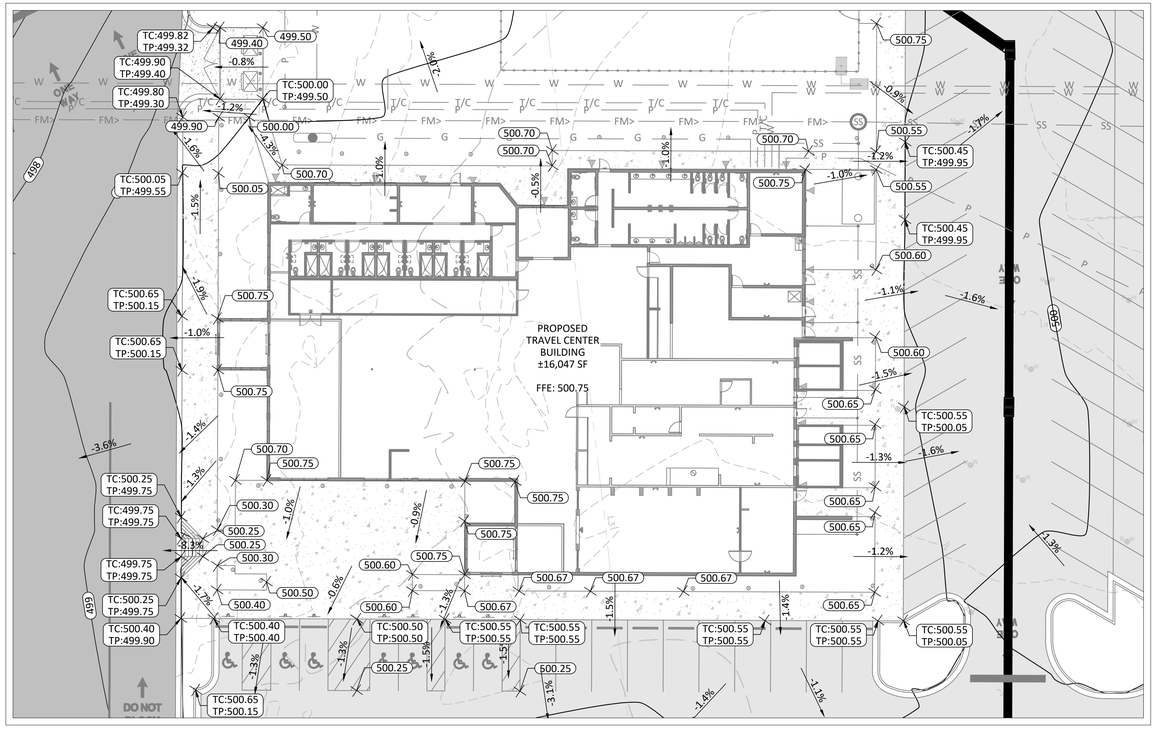
PROJECT NO.	25-25019
DATE:	11/03/2025
DRAWN BY:	AF
CHECK BY:	JM

STROUD AND COMPANY

SCALE: 50' 25' 0' 50'
GRAPHIC SCALE 1" = 50'

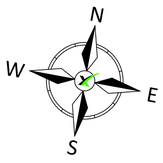
SHEET NO.
C6.2

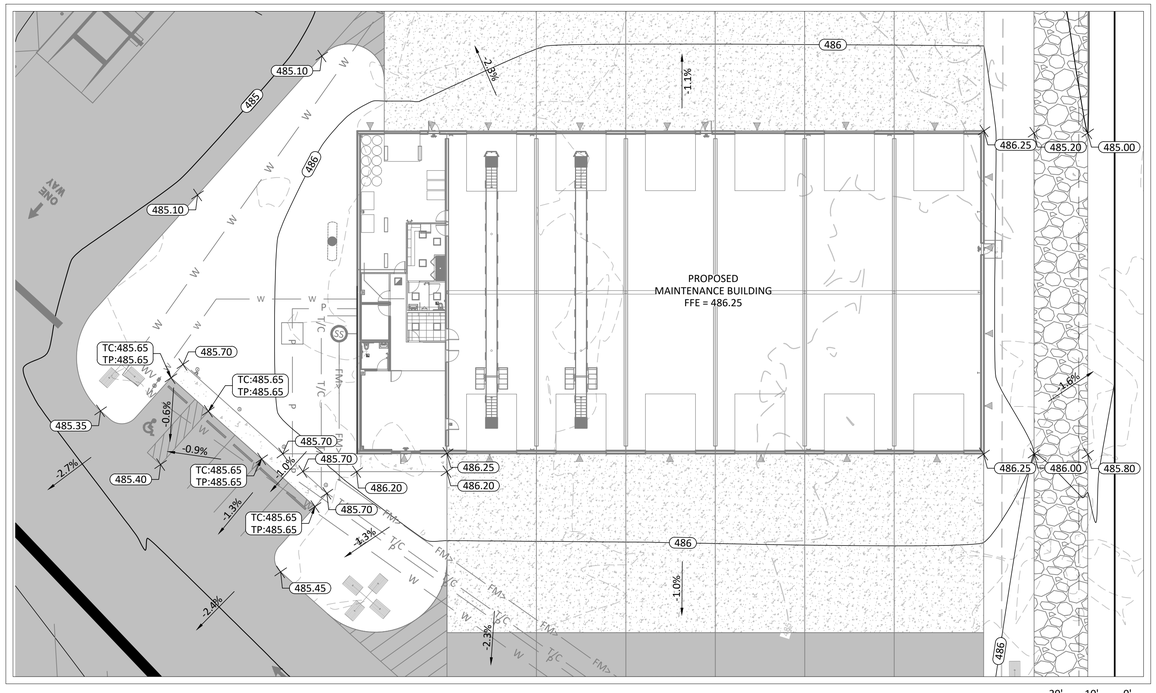




MAIN BUILDING INSET

20' 10' 0' 20'
GRAPHIC SCALE 1" = 20'





MAINTENANCE BUILDING INSET

20' 10' 0' 20'
GRAPHIC SCALE 1" = 20'

PAVING, GRADING, AND DRAINAGE NOTES:

1. SEE DETAILS FOR TYPICAL PAVEMENT SECTIONS
2. ALL ADA ACCESSIBLE ROUTES AND PARKING SHALL MEET THE LATEST EDITION OF THE AMERICANS WITH DISABILITIES ACTS STANDARDS FOR ACCESSIBLE DESIGN. ALL ADA SIDEWALKS SHALL NOT EXCEED A LONGITUDINAL SLOPE OF FIVE PERCENT (5%) OR A CROSS SLOPE OF TWO PERCENT (2%). ALL ACCESSIBLE RAMPS SHALL NOT EXCEED A 12H:1V GRADE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING ALL ADA SITE FEATURES ARE CONSTRUCTED TO MEET THE MINIMUM ADA GUIDELINES.
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7. A GEOTECHNICAL REPORT HAS BEEN PREPARED BY TERRACON CONSULTANTS, INC. AND DATED 02/19/2025. A COPY CAN BE PROVIDED UPON REQUEST.

KEY NOTES:

1 SAWCUT EXISTING ASPHALT/CONCRETE FOR SMOOTH TRANSITION

SPOT GRADE LEGEND:

100.00	EXISTING GRADE	HP:100.00	PROPOSED HIGH POINT
100.00	PROPOSED GRADE	LP:100.00	PROPOSED LOW POINT

AXIS ENGINEERING CONSULTANTS
LEESBURG ★ VALDOSTA ★ WARNER ROBINS

GEORGIA — AXIS ENGINEERING CONSULTANTS PEF009117 — CERTIFICATE OF AUTHORIZATION — 06/30/2026

REVISIONS

No.	DATE	DESCRIPTION
1	02/25/26	REVISIONS PER OWNER - VALUE ENGINEERING
2	04/02/26	REVISIONS PER GDOT COMMENTS
3	04/09/26	REVISIONS PER GTC COMMENTS
4	04/22/26	REVISIONS PER OWNER
5	04/30/26	REVISIONS PER GDOT COMMENTS
6	07/17/26	ISSUED FOR CONSTRUCTION

GEORGIA — REGISTERED — No. PE032671 PROFESSIONAL — 07/15/2026 — ENGINEER — BRYAN HILL BRAWN

GRADING PLAN - INSET

TA TRAVEL CENTER JEFFERSONVILLE, GA

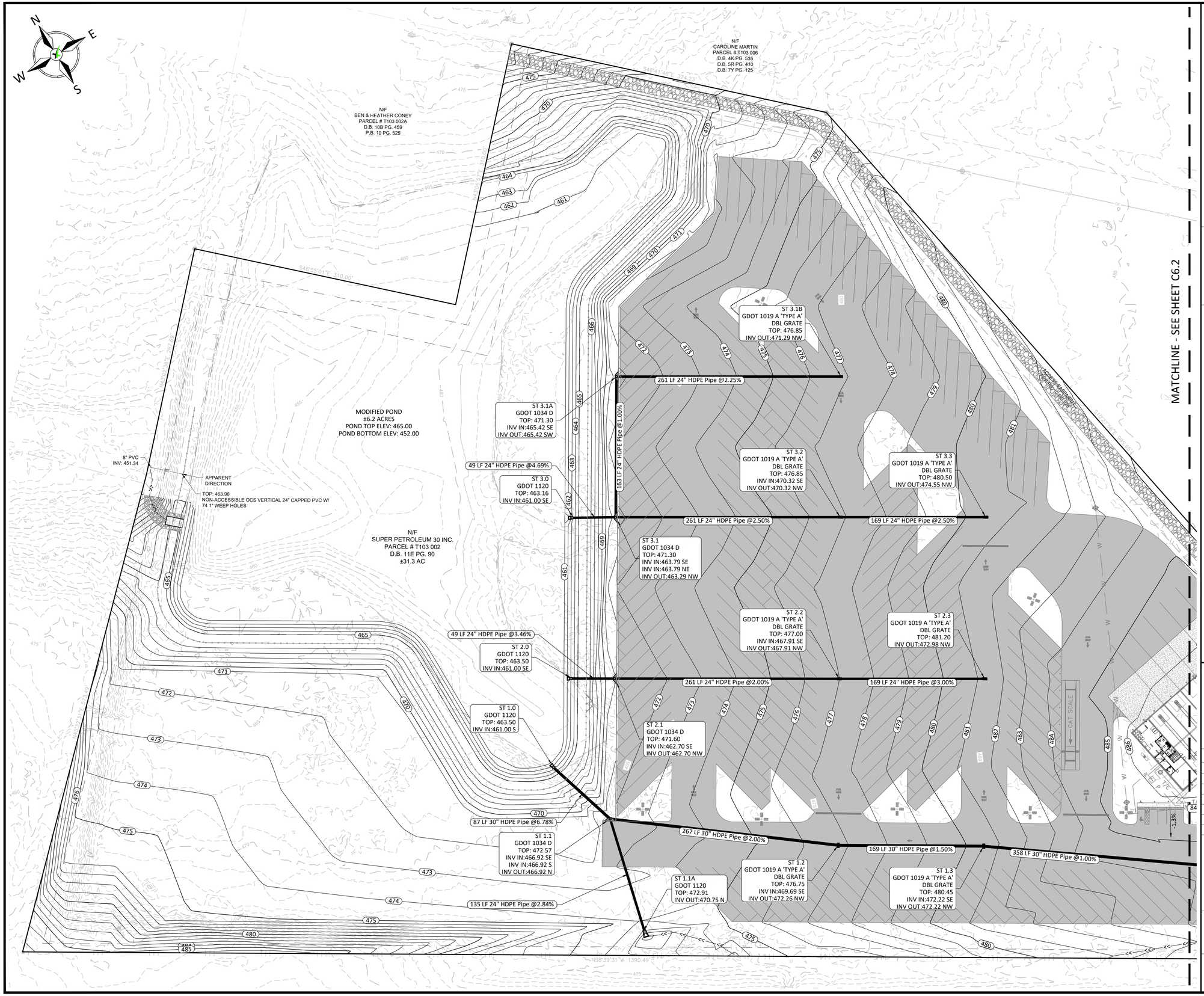
TWIGGS COUNTY, GA

PROJECT NO.	25-25019
DATE:	11/03/2025
DRAWN BY:	AF
CHECK BY:	JM

STROUD AND COMPANY

SCALE: 20' 10' 0' 20' GRAPHIC SCALE 1" = 20'

SHEET NO. C6.3



PAVING, GRADING, AND DRAINAGE NOTES:

1. SEE DETAILS FOR TYPICAL PAVEMENT SECTIONS
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7. A GEOTECHNICAL REPORT HAS BEEN PREPARED BY [GEOTECH COMPANY NAME] AND DATED [MONTH DAY, YEAR]. A COPY CAN BE PROVIDED UPON REQUEST.

KEY NOTES:

1. SAWCUT EXISTING ASPHALT/CONCRETE FOR SMOOTH TRANSITION

AXIS ENGINEERING CONSULTANTS
LEESBURG ★ VALDOSTA ★ WARNER ROBINS

GEORGIA — AXIS ENGINEERING CONSULTANTS — PEF009117 — 06/30/2026 — CERTIFICATE OF AUTHORIZATION

REVISIONS

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4	04/22/26	REVISIONS PER OWNER
5	04/30/26	REVISIONS PER GDOT COMMENTS
6	07/17/26	ISSUED FOR CONSTRUCTION

GEORGIA — REGISTERED — No. PE032671 — PROFESSIONAL ENGINEER — 07/15/2026 — BRYAN HILL, BRYAN

DRAINAGE PLAN - WEST

TA TRAVEL CENTER JEFFERSONVILLE, GA

TWIGGS COUNTY, GA

PROJECT NO.	25-25019
DATE:	11/03/2025
DRAWN BY:	AF
CHECK BY:	JM

STROUD AND COMPANY

SCALE: 50' 25' 0' 50' — GRAPHIC SCALE 1" = 50'

SHEET NO. C6.4

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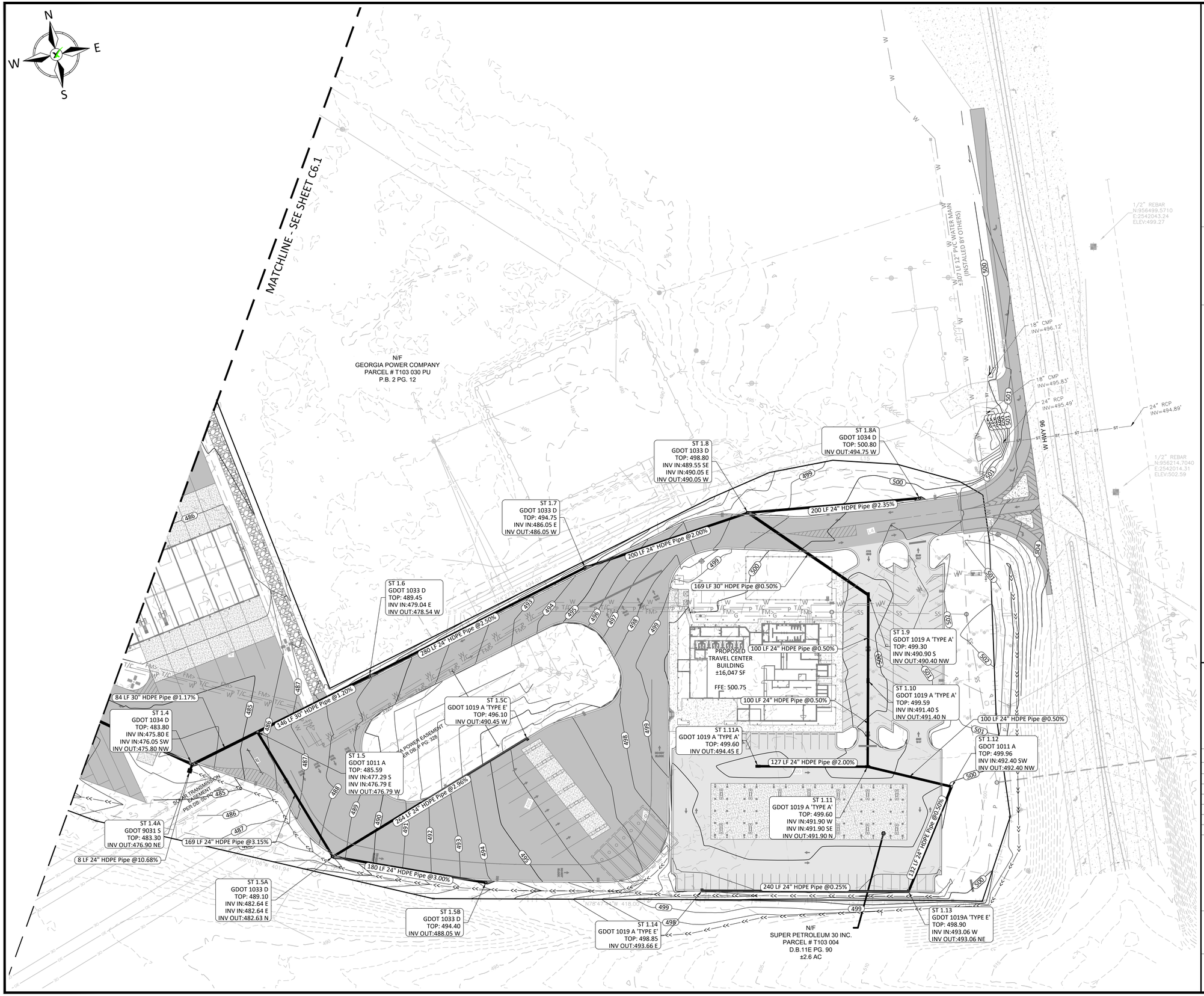
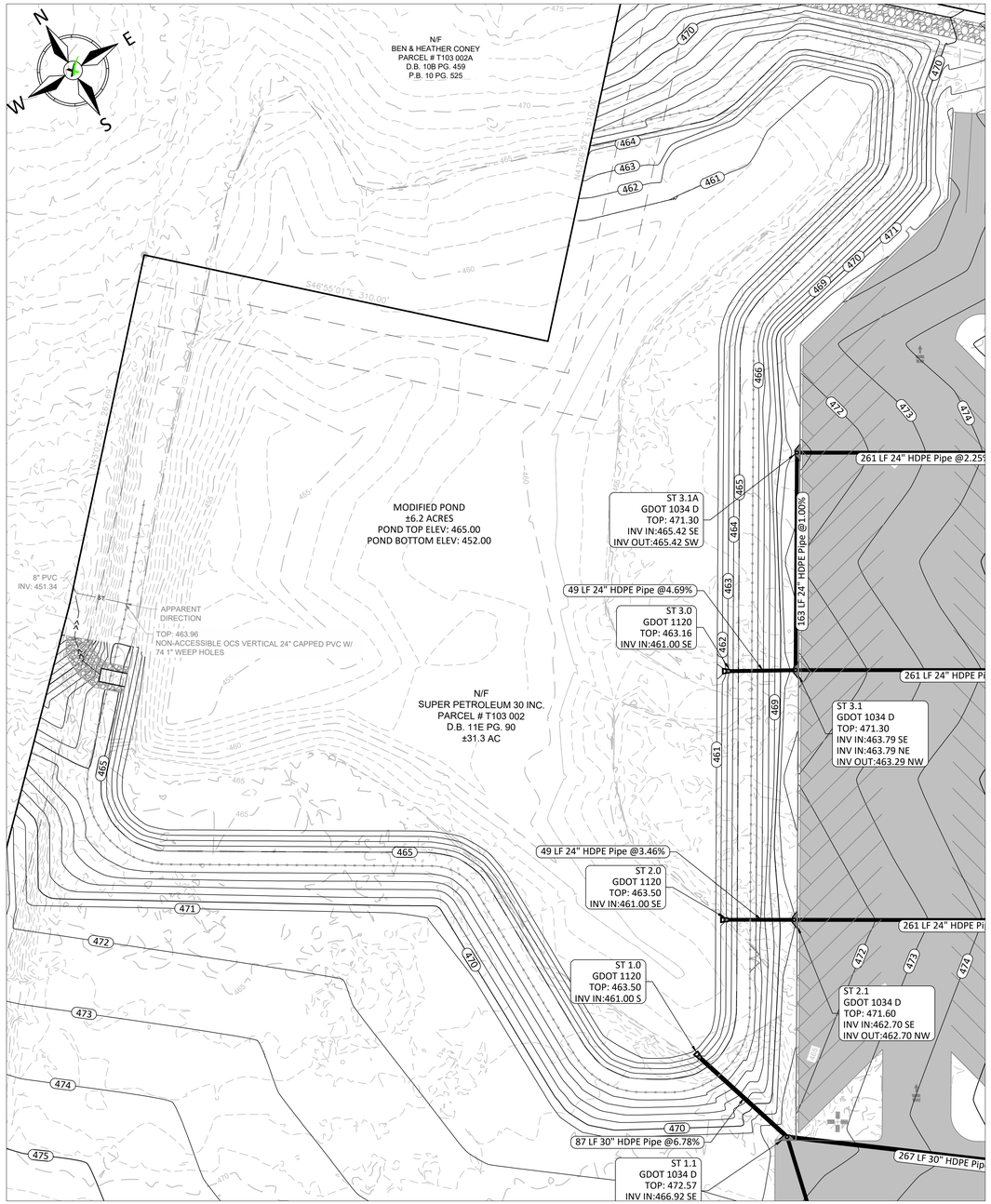
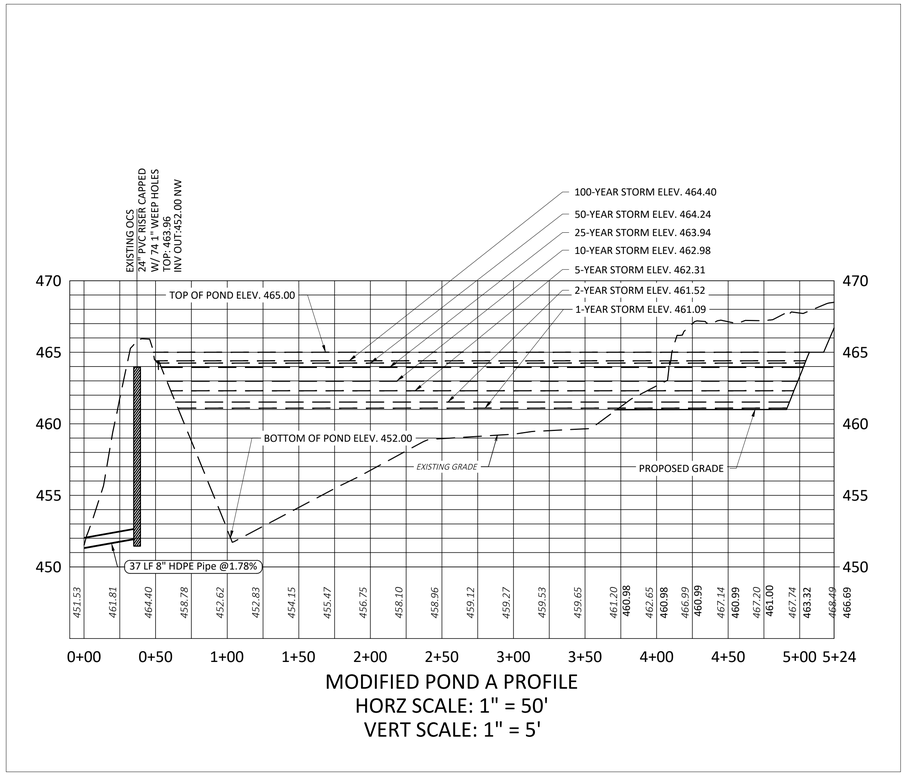
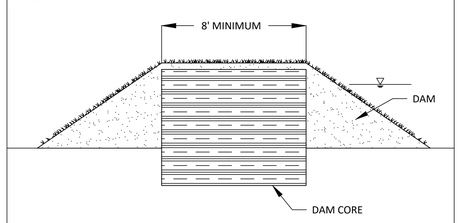

N
E
S
W
MATCHLINE - SEE SHEET C6.1
N/F
GEORGIA POWER COMPANY
PARCEL # T103 030 PU
P.B. 2 PG. 12
ST 1.8
GDOT 1033 D
TOP: 498.80
INV IN:489.55 SE
INV IN:490.05 E
INV OUT:490.05 W
ST 1.8A
GDOT 1034 D
TOP: 500.80
INV OUT:494.75 W
ST 1.7
GDOT 1033 D
TOP: 494.75
INV IN:486.05 E
INV OUT:486.05 W
200 LF 24" HDPE Pipe @2.35%
200 LF 24" HDPE Pipe @2.00%
ST 1.6
GDOT 1033 D
TOP: 489.45
INV IN:479.04 E
INV OUT:478.54 W
280 LF 24" HDPE Pipe @2.50%
169 LF 30" HDPE Pipe @0.50%
PROPOSED
TRAVEL CENTER
BUILDING
±16,047 SF
FFE: 500.75
100 LF 24" HDPE Pipe @0.50%
100 LF 24" HDPE Pipe @0.50%
ST 1.9
GDOT 1019 A 'TYPE A'
TOP: 499.30
INV IN:490.90 S
INV OUT:490.40 NW
ST 1.10
GDOT 1019 A 'TYPE A'
TOP: 499.59
INV IN:491.40 S
INV OUT:491.40 N
100 LF 24" HDPE Pipe @0.50%
ST 1.12
GDOT 1011 A
TOP: 499.96
INV IN:492.40 SW
INV OUT:492.40 NW
ST 1.11A
GDOT 1019 A 'TYPE A'
TOP: 499.60
INV OUT:494.45 E
127 LF 24" HDPE Pipe @2.00%
ST 1.11
GDOT 1019 A 'TYPE A'
TOP: 499.60
INV IN:491.90 W
INV IN:491.90 SE
INV OUT:491.90 N
131 LF 24" HDPE Pipe @0.20%
240 LF 24" HDPE Pipe @0.25%
ST 1.13
GDOT 1019A 'TYPE E'
TOP: 498.90
INV IN:493.06 W
INV OUT:493.06 NE
ST 1.14
GDOT 1019 A 'TYPE E'
TOP: 498.85
INV OUT:493.66 E
N/F
SUPER PETROLEUM 30 INC.
PARCEL # T103 004
D.B.11E PG. 90
±2.6 AC
ST 1.5B
GDOT 1033 D
TOP: 494.40
INV OUT:488.05 W
ST 1.5A
GDOT 1033 D
TOP: 489.10
INV IN:482.64 E
INV IN:482.64 E
INV OUT:482.63 N
180 LF 24" HDPE Pipe @3.00%
8 LF 24" HDPE Pipe @10.68%
169 LF 24" HDPE Pipe @3.15%
ST 1.4A
GDOT 9031 S
TOP: 483.30
INV OUT:476.90 NE
264 LF 24" HDPE Pipe @2.96%
ST 1.5
GDOT 1011 A
TOP: 485.59
INV IN:477.29 S
INV IN:476.79 E
INV OUT:476.79 W
146 LF 30" HDPE Pipe @1.20%
84 LF 30" HDPE Pipe @1.17%
ST 1.4
GDOT 1034 D
TOP: 483.80
INV IN:475.80 E
INV IN:476.05 SW
INV OUT:475.80 NW
ST 1.5C
GDOT 1019 A 'TYPE E'
TOP: 496.10
INV OUT:490.45 W
STATE TRANSMISSION EASEMENT PER DB. 89 PG. 208
GEORGIA POWER EASEMENT PER DB. 89 PG. 209
W
W
W





MODIFIED POND A PROFILE
HORZ SCALE: 1" = 50'
VERT SCALE: 1" = 5'

NOTE
CORE TO BE COMPACTED CLAY SOIL MINIMUM 2' IN DEPTH BELOW POND BOTTOM & 8' IN WIDTH



POND DAM DETAIL
NOT TO SCALE

STORMWATER MANAGEMENT NOTES:

1. THE PROPOSED STORM WATER MANAGEMENT SYSTEM INCLUDES MODIFICATION OF THE EXISTING POND WITH AN ENLARGED FOOTPRINT. MODIFIED POND A HAS BEEN DESIGNED AS A RETENTION POND WITH A PERMANENT POOL OF 11.96'. MODIFIED POND A WILL HAVE A SURFACE AREA OF 281,938 SF AND A TOTAL STORAGE OF 1,460,447 CF.
2. THE EXISTING OUTLET CONTROL STRUCTURE WITH 24" RISER PIPE, PERFORATED CAP, AND 37 LF 8" OUTLET PIPE ARE TO REMAIN IN PLACE.
3. AN EXISTING 10' EMERGENCY SPILLWAY WILL BE REPLACED IN-KIND AND RELOCATED AT AN ELEVATION OF 464.00 FOR EMERGENCY OVERFLOW FOR THE MODIFIED POND.
4. THE TOP OF POND IS 465.00 AND THE MAX STORM EVENT REACHES AN ELEVATION OF 464.40, WHICH PROVIDES 0.60' OF FREEBOARD.
5. DEVELOPER IS TO CLEAN OUT ACCUMULATED SILT IN DETENTION POND AT THE END OF THE CONSTRUCTION PERIOD WHEN DISTURBED AREAS HAVE BEEN STABILIZED.
6. STORMWATER MANAGEMENT FACILITY, OUTLET STRUCTURES, AND TEMPORARY SEDIMENT POND FEATURES ARE TO BE CONSTRUCTED AND FULLY OPERATIONAL PRIOR TO ANY OTHER CONSTRUCTION OR GRADING.

AXIS ENGINEERING CONSULTANTS
LEESBURG ★ VALDOSTA ★ WARNER ROBINS

GEORGIA — AXIS ENGINEERING CONSULTANTS PEF009117 06/30/2026 — CERTIFICATE OF AUTHORIZATION

REVISIONS

No.	DATE	DESCRIPTION
1	02/25/26	REVISIONS PER OWNER - VALUE ENGINEERING
2	04/02/26	REVISIONS PER GDOT COMMENTS
3	04/09/26	REVISIONS PER GTC COMMENTS
4	04/22/26	REVISIONS PER OWNER
5	04/30/26	REVISIONS PER GDOT COMMENTS
6	07/17/26	ISSUED FOR CONSTRUCTION

GEORGIA — REGISTERED — No. PE032671 PROFESSIONAL 07/15/2026 ENGINEER — BRYAN HILL, BRANN

STORMWATER MANAGEMENT PLAN

TA TRAVEL CENTER JEFFERSONVILLE, GA

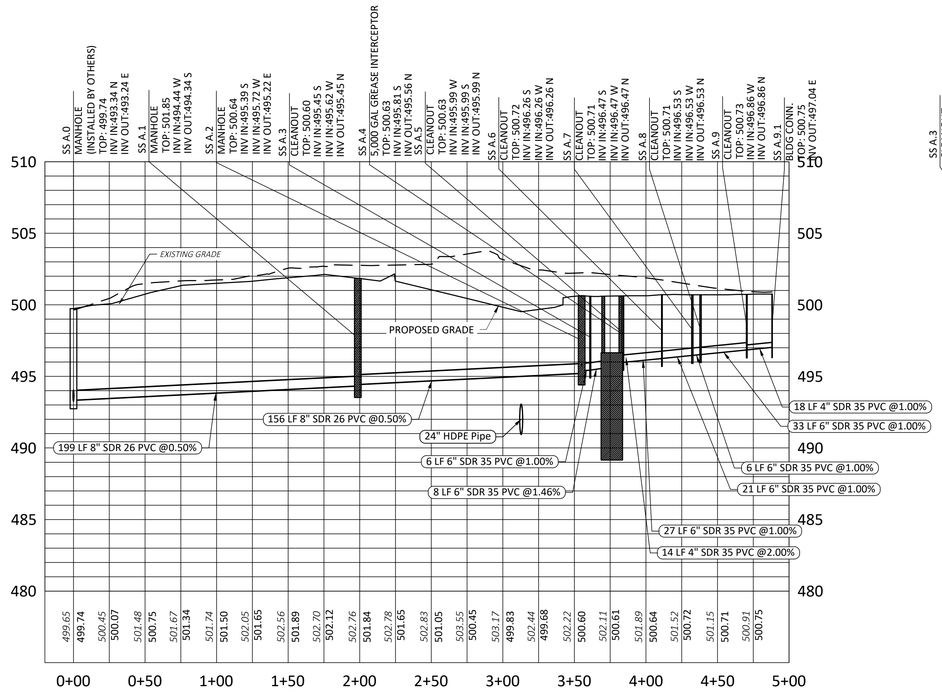
TWIGGS COUNTY, GA

PROJECT NO. 25-25019
DATE: 11/03/2025
DRAWN BY: AF
CHECK BY: JM

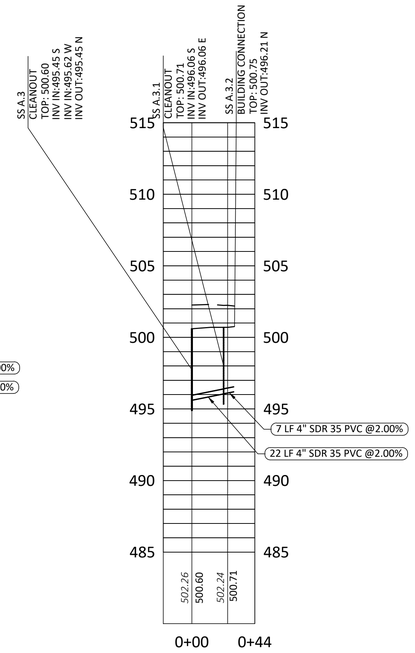
STROUD AND COMPANY

SCALE: 50' 25' 0' 50'
GRAPHIC SCALE 1" = 50'

SHEET NO.
C6.6



SANITARY SEWER STRUCTURES SS A.0 - SS A.9.1 PROFILE
HORZ SCALE: 1" = 50'
VERT SCALE: 1" = 5'



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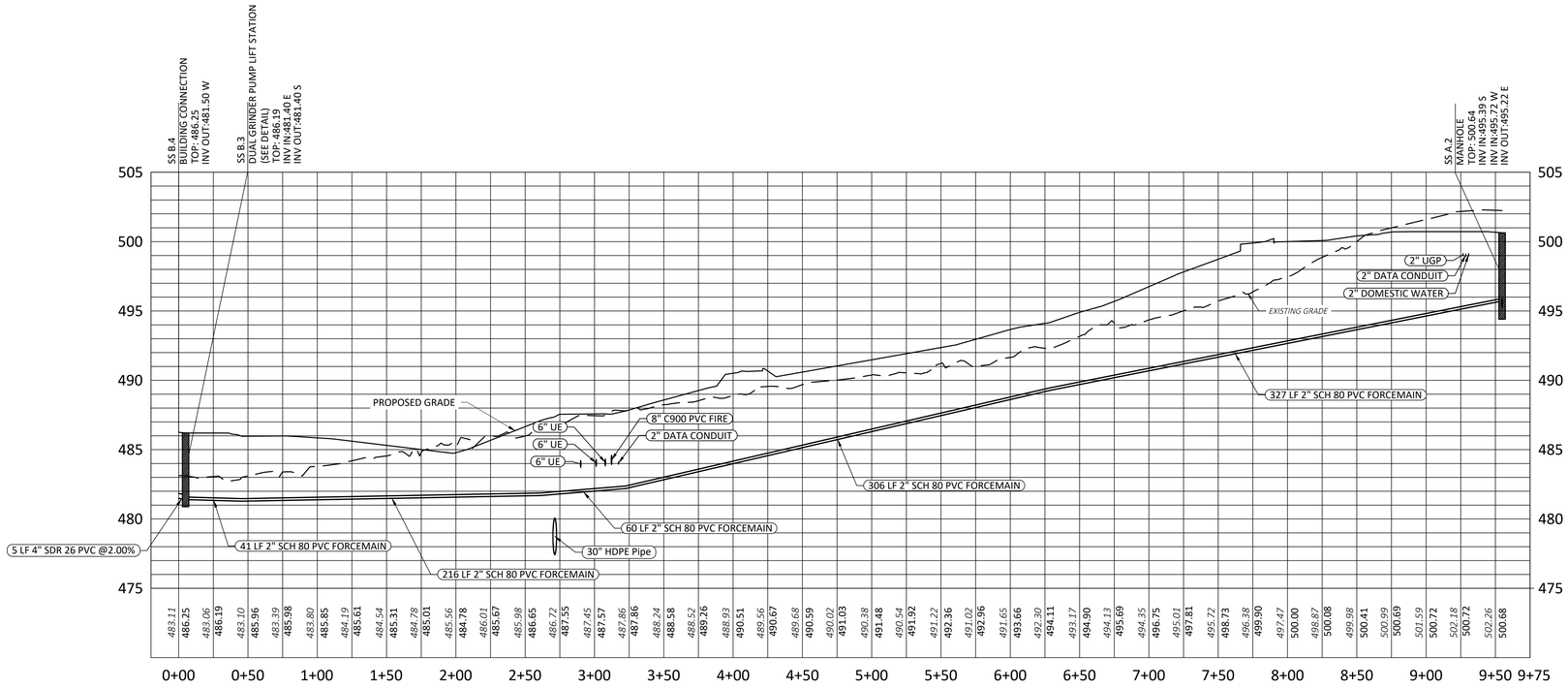

SANITARY SEWER STRUCTURES SS A.2 - SS B.4 PROFILE
HORZ SCALE: 1" = 50'
VERT SCALE: 1" = 5'

AXIS ENGINEERING CONSULTANTS
LEESBURG ★ VALDOSTA ★ WARNER ROBINS

GEORGIA
AXIS ENGINEERING CONSULTANTS
PEF009117
CERTIFICATE OF AUTHORIZATION
06/30/2026

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GEORGIA
REGISTERED
No. PE032671
PROFESSIONAL
07/15/2026
ENGINEER
BRYAN HILL, BRYAN

SANITARY & STORM SEWER PROFILES

TA TRAVEL CENTER JEFFERSONVILLE, GA

TWIGGS COUNTY, GA

PROJECT NO. 25-25019
DATE: 11/03/2025
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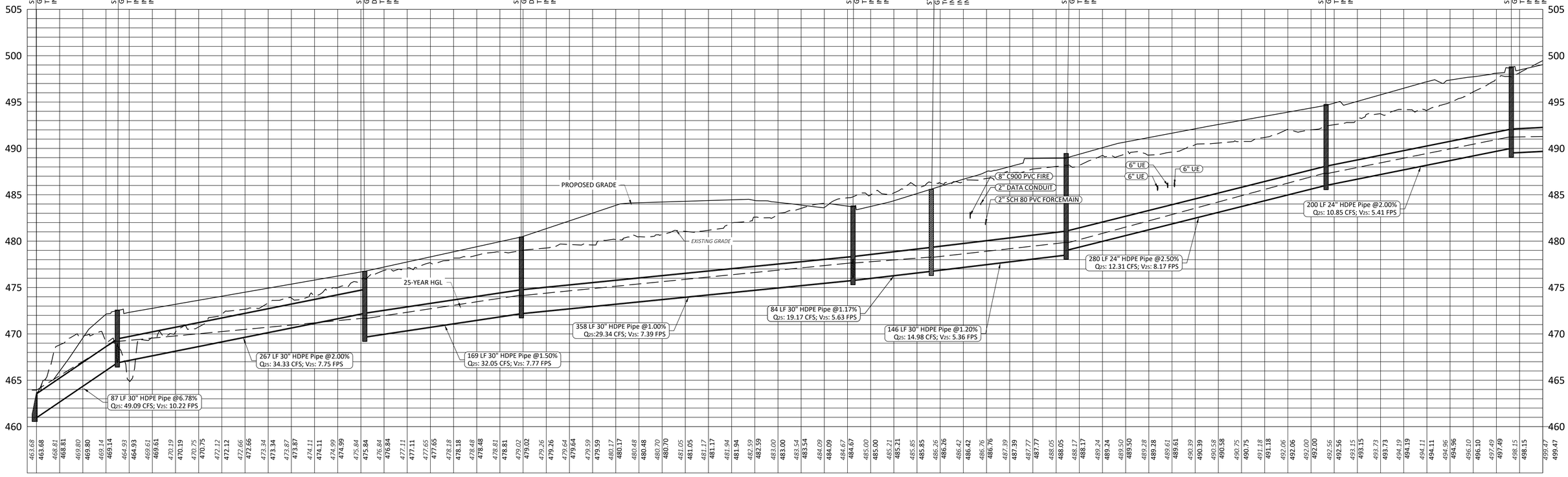
CHECK BY: JM

STROUD AND COMPANY

SCALE: 50' 25' 0' 50'
GRAPHIC SCALE 1" = 50'

SHEET NO.
C7.0



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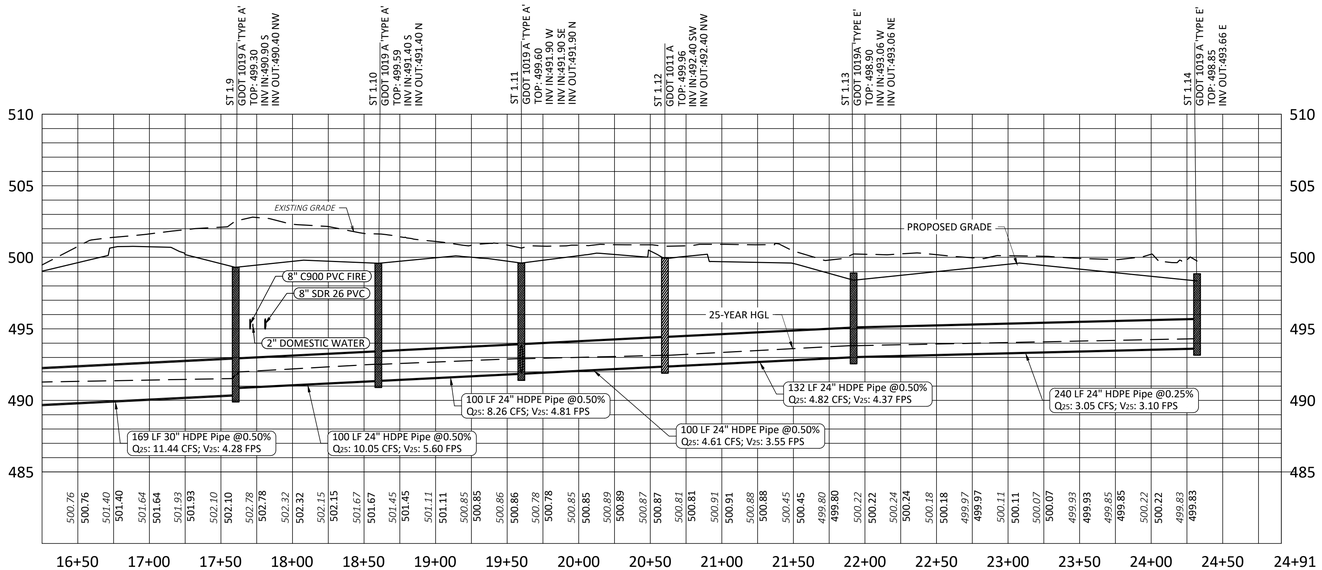
VERT SCALE: 1" = 5'



STORM SEWER STRUCTURES ST1.0 - ST 1.13 PROFILE
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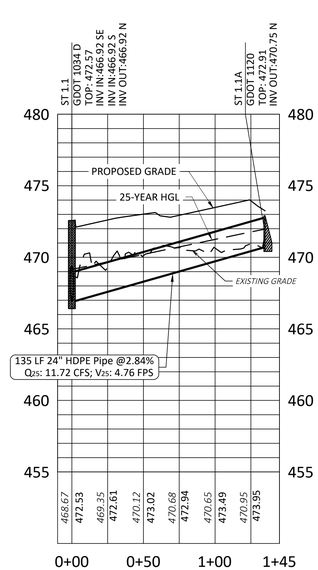
VERT SCALE: 1" = 5'



STORM SEWER STRUCTURES ST 1.1 - ST 1.1A PROFILE
HORZ SCALE: 1" = 50'
VERT SCALE: 1" = 5'

AXIS ENGINEERING CONSULTANTS
LEESBURG ★ VALDOSTA ★ WARNER ROBINS

GEORGIA — AXIS ENGINEERING CONSULTANTS PEF009117 — 06/30/2026 — CERTIFICATE OF AUTHORIZATION

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GEORGIA — PROJECT STRUCTURES — No. PE032671 PROFESSIONAL ENGINEER — 07/15/2026 — BRYAN HILL BRAUN

SANITARY & STORM SEWER PROFILES

TA TRAVEL CENTER JEFFERSONVILLE, GA

TWIGGS COUNTY, GA

PROJECT NO.	25-25019
DATE:	11/03/2025
DRAWN BY:	AF
CHECK BY:	JM

STROUD AND COMPANY

SCALE: 50' 25' 0' 50'
GRAPHIC SCALE 1" = 50'

SHEET NO.
C7.1

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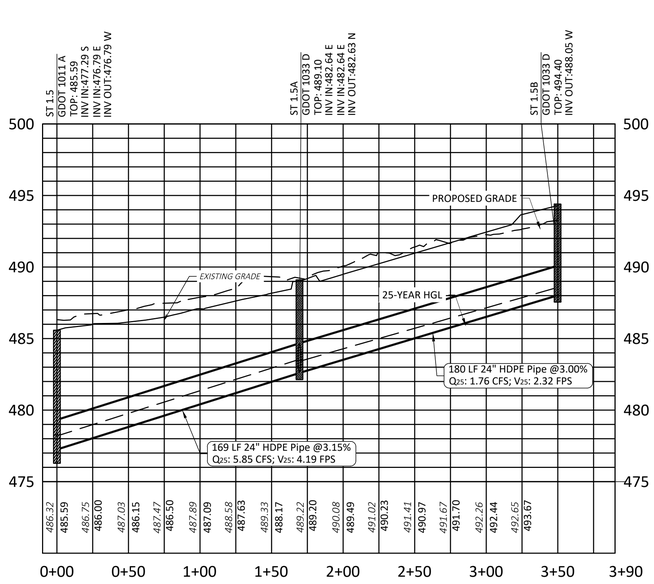

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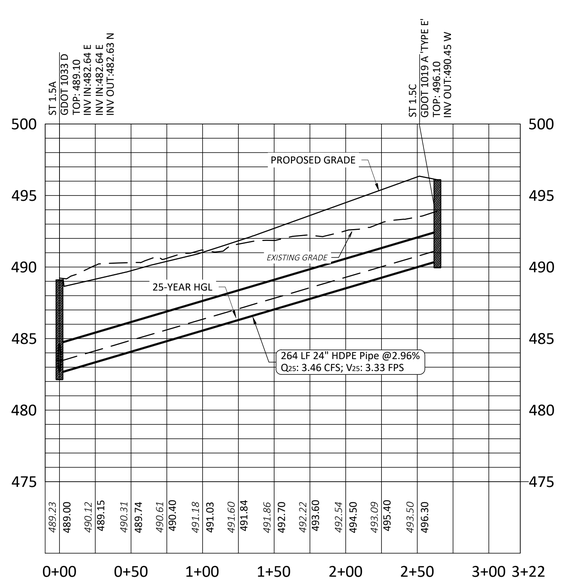
VERT SCALE: 1" = 5'



STORM SEWER STRUCTURES ST 1.5A - ST 1.5C PROFILE
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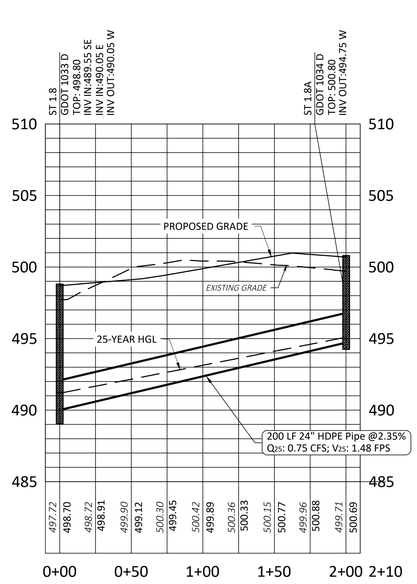
VERT SCALE: 1" = 5'



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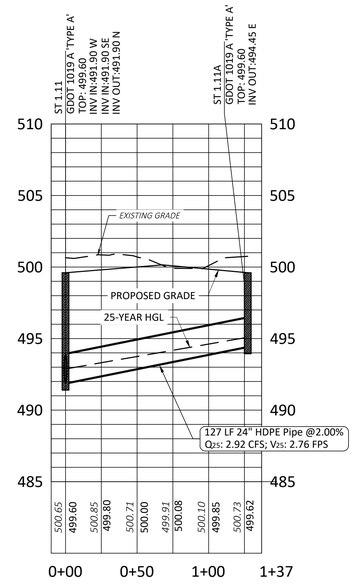
VERT SCALE: 1" = 5'



STORM SEWER STRUCTURES ST 1.11 - ST 1.11A PROFILE
HORZ SCALE: 1" = 50'
VERT SCALE: 1" = 5'

STORM SEWER STRUCTURES ST 1.4 - ST 1.4A PROFILE
HORZ SCALE: 1" = 50'
VERT SCALE: 1" = 5'

AXIS ENGINEERING CONSULTANTS
LEESBURG ★ VALDOSTA ★ WARNER ROBINS

GEORGIA CERTIFICATE OF AUTHORIZATION
AXIS ENGINEERING CONSULTANTS
PEF009117
06/30/2026

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GEORGIA REGISTERED No. PE032671 PROFESSIONAL ENGINEER BRYAN HILL, BRYAN
07/15/2026

SANITARY & STORM SEWER PROFILES

TA TRAVEL CENTER JEFFERSONVILLE, GA

TWIGGS COUNTY, GA

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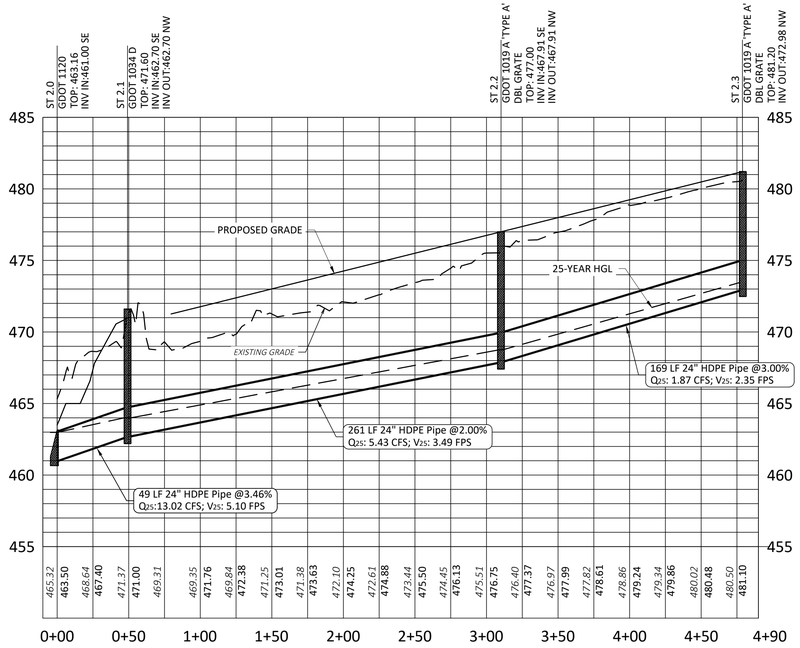
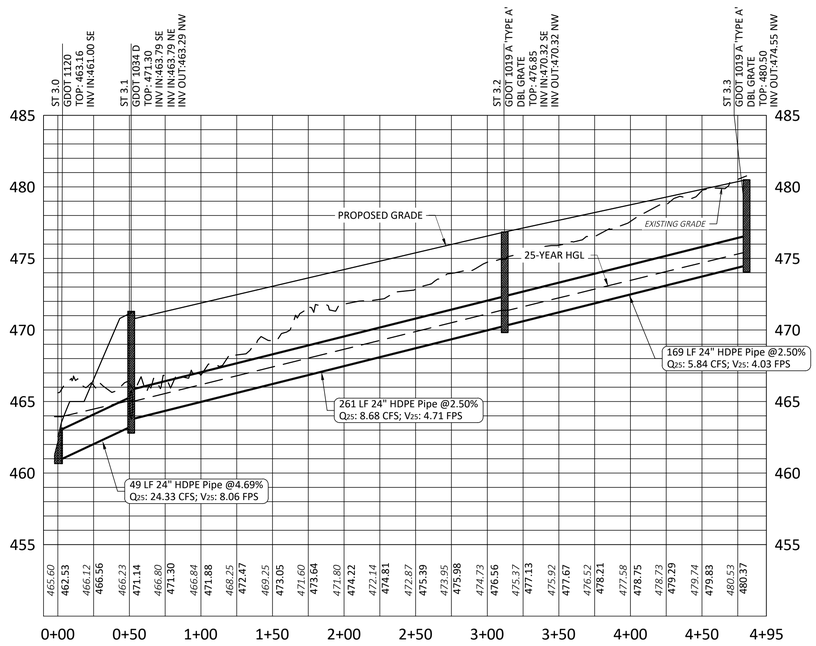
STROUD AND COMPANY

SCALE: 50' 25' 0' 50'
GRAPHIC SCALE 1" = 50'

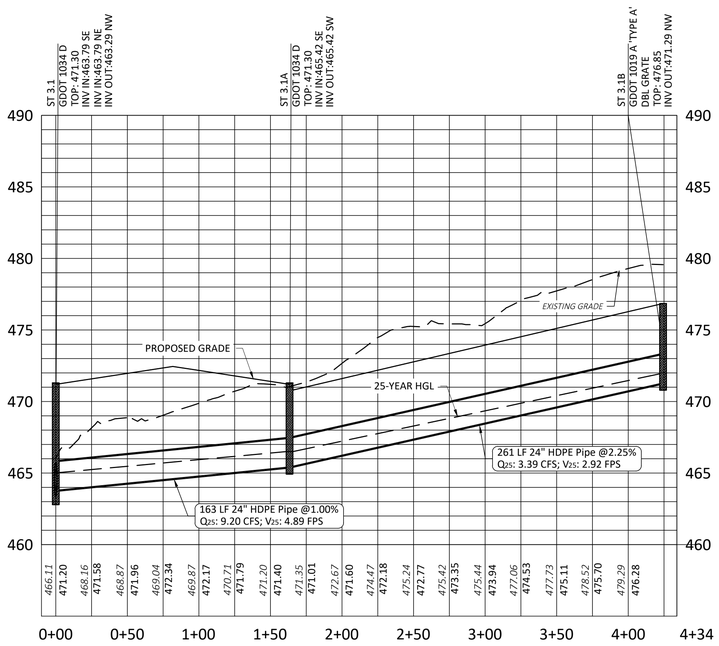
SHEET NO.
C7.2



STORM SEWER STRUCTURES ST 2.0 - ST 2.3 PROFILE
HORZ SCALE: 1" = 50'
VERT SCALE: 1" = 5'



STORM SEWER STRUCTURES ST 3.0 - ST 3.3 PROFILE
HORZ SCALE: 1" = 50'
VERT SCALE: 1" = 5'



STORM SEWER STRUCTURES ST 3.1 - ST 3.1B PROFILE
HORZ SCALE: 1" = 50'
VERT SCALE: 1" = 5'

AXIS ENGINEERING CONSULTANTS
LEESBURG ★ VALDOSTA ★ WARNER ROBINS

GEORGIA — AXIS ENGINEERING CONSULTANTS PEF009117 06/30/2026 — CERTIFICATE OF AUTHORIZATION

GEORGIA — REGISTERED — No. PE032671 PROFESSIONAL 07/15/2026 — ENGINEER — BRYAN HILL BRAUN

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SANITARY & STORM SEWER PROFILES

TA TRAVEL CENTER JEFFERSONVILLE, GA

TWIGGS COUNTY, GA

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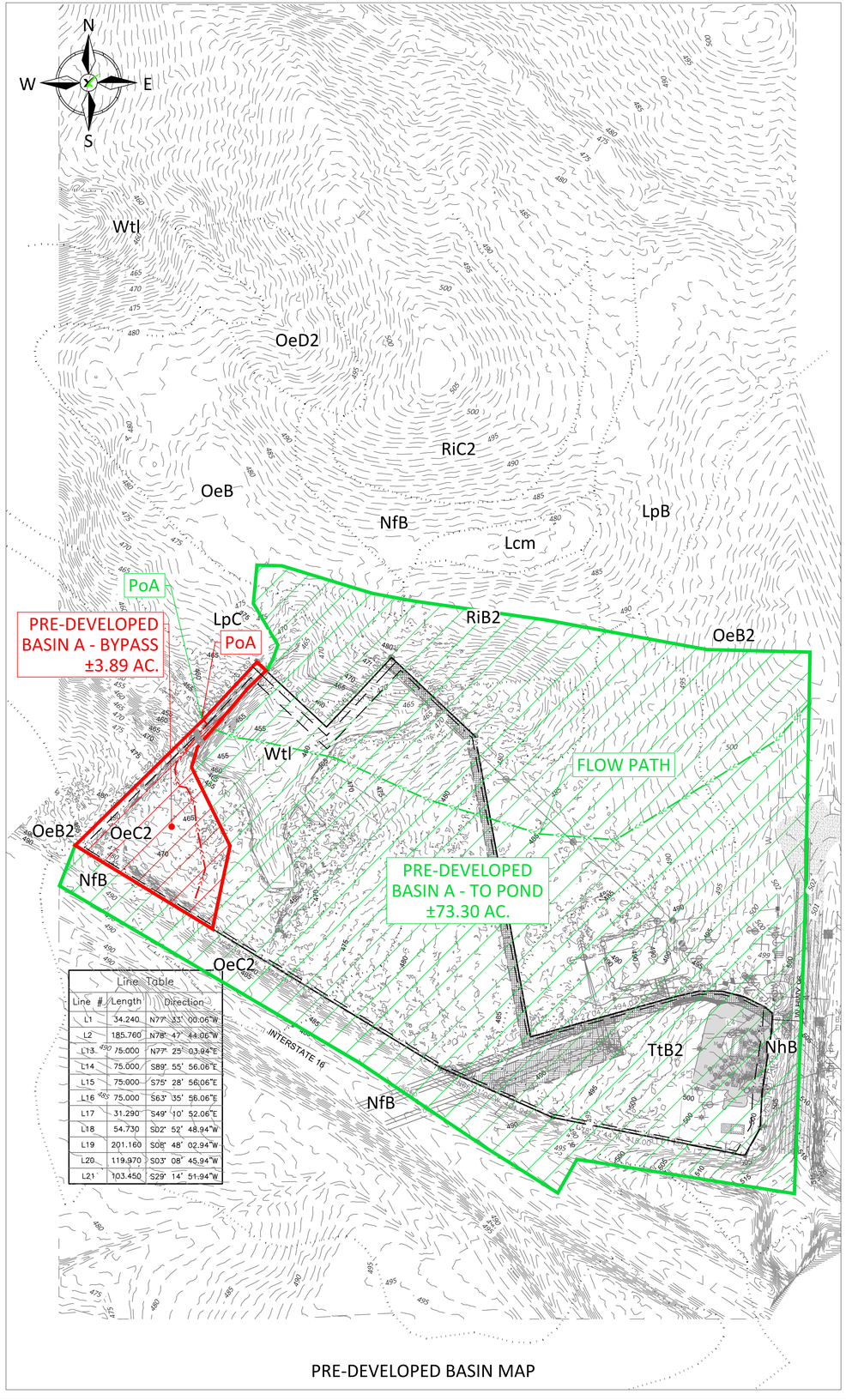
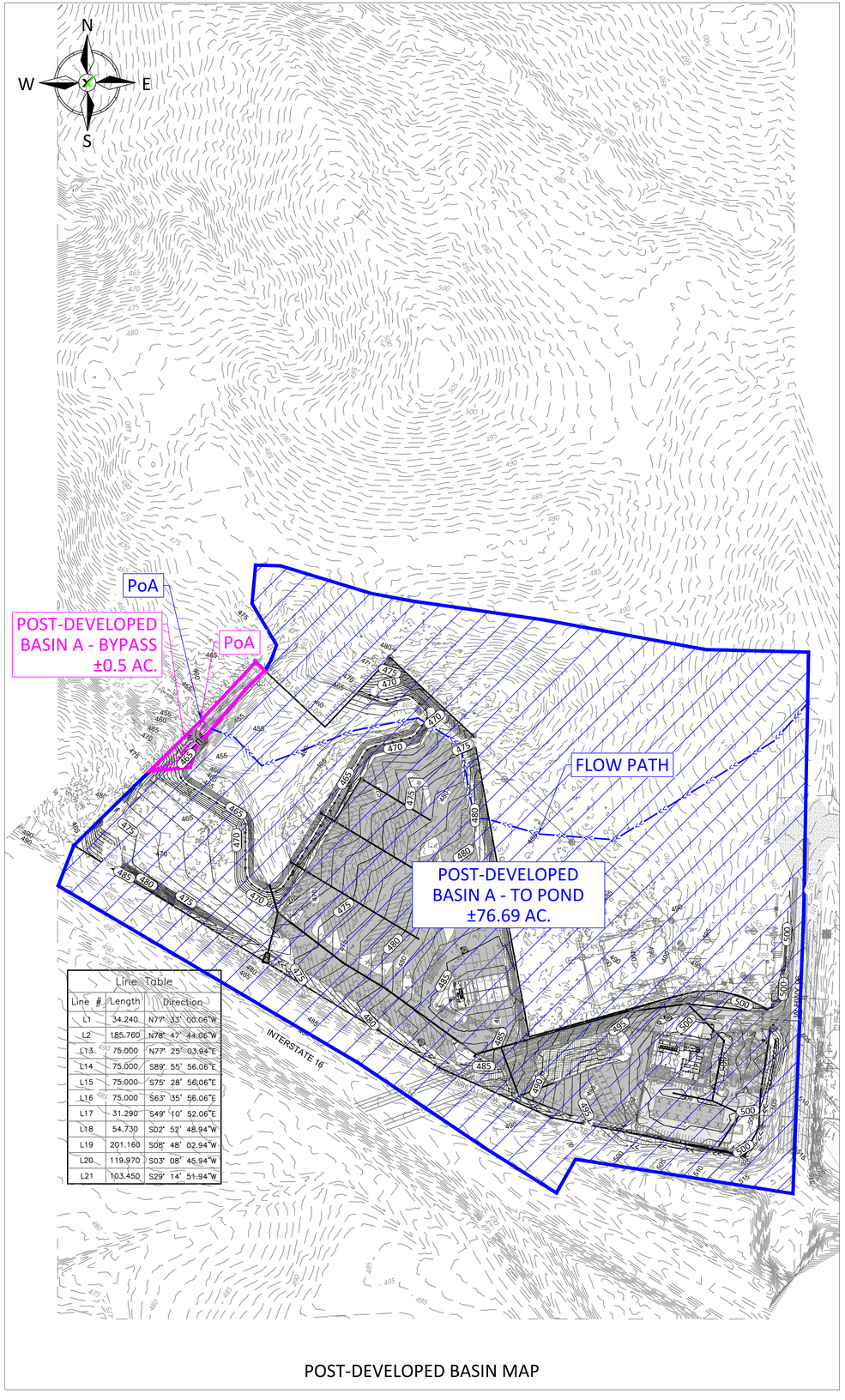
SCALE: 50' 25' 0' 50'
GRAPHIC SCALE 1" = 50'

SHEET NO.
C7.3



Line Table		
Line #	Length	Direction
L1	34.240	N77° 33' 00.06"W
L2	185.760	N78° 47' 44.06"W
L13	75.000	N77° 25' 03.94"E
L14	75.000	S89° 55' 56.06"E
L15	75.000	S75° 28' 56.06"E
L16	75.000	S63° 35' 56.06"E
L17	31.290	S49° 10' 52.06"E
L18	54.730	S02° 52' 48.94"W
L19	201.160	S08° 48' 02.94"W
L20	119.970	S03° 08' 45.94"W
L21	103.450	S29° 14' 51.94"W

PRE-DEVELOPED BASIN MAP



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L20	119.970	S03° 08' 45.94"W
L21	103.450	S29° 14' 51.94"W

POST-DEVELOPED BASIN MAP

HYDROLOGIC BASIN INFORMATION:

PRE-DEVELOPED BASIN A

PRE-DEVELOPED BASIN A - ROUTED TO POND: 73.30 AC (CN 75) - T_C: 32.9 MIN
25-YR PEAK RUNOFF: 212.82 CFS

PRE-DEVELOPED BASIN A - BYPASS: 3.89 AC (CN 58) - T_C: 14.2 MIN
25-YR PEAK RUNOFF: 8.64 CFS

EXISTING POND 25-YR PEAK RUNOFF: 2.21 CFS

PRE-DEVELOPED BASIN A COMBINED 25-YR PEAK RUNOFF: 8.64 CFS

POST-DEVELOPED BASIN A

POST-DEVELOPED BASIN A - ROUTED TO POND: 76.69 AC (CN 83) - T_C: 32.3 MIN
25-YR PEAK RUNOFF: 275.22 CFS

POST-DEVELOPED BASIN A-BYPASS: 0.5 ACRES (CN 60) - T_C: 10.8 MINS
25-YR PEAK RUNOFF: 1.42 CFS

MODIFIED POND 25-YR PEAK RUNOFF: 0.13 CFS

POST-DEVELOPED BASIN A COMBINED 25-YR PEAK RUNOFF: 1.42 CFS

DRAINAGE NARRATIVE:

THE PROPOSED DEVELOPMENT IS LOCATED AT 4838 HIGHWAY 96 WEST, JEFFERSONVILLE, GEORGIA 31044. THE PROJECT AREA CONSIST OF ±33.9 ACRES OF MOSTLY UNDEVELOPED OPEN LAND WITH AN EXISTING POND AND GAS STATION. THE PRE-DEVELOPED CONDITION CONSIST OF ONE DRAINAGE BASIN DIVIDED INTO TWO SUB-BASINS. PRE-DEVELOPED SUB-BASIN A - TO POND SHEET FLOWS SOUTHWEST AND THEN SHALLOW CONCENTRATED FLOWS WEST AND DISCHARGES INTO EXISTING POND A. PRE-DEVELOPED BASIN A - BYPASS SHEET FLOWS NORTHEAST AND THEN SHALLOW CONCENTRATED FLOWS NORTHWEST BYPASSING THE POND AND DISCHARGING INTO A DITCH LOCATED WEST OF THE PROPERTY LINE, WHICH EVENTUALLY FLOWS INTO SCUFFLE CREEK. THE PROPOSED DEVELOPMENT WILL CONSIST OF A ±16,047 SF TRAVEL CENTER WITH ±15,816 SF MAINTENANCE BUILDING, ASPHALT PARKING AND DRIVE AREAS, PEDESTRIAN SIDEWALKS, UTILITY INFRASTRUCTURE IMPROVEMENTS, STORMWATER MANAGEMENT SYSTEM, AND LANDSCAPED AREAS. THE POST-DEVELOPED CONDITION CONSISTS OF ONE DRAINAGE BASIN DIVIDED INTO TWO SUB-BASINS. POST-DEVELOPED BASIN A - TO POND SHEET FLOWS SOUTHWEST AND THEN SHALLOW CONCENTRATED FLOWS WEST AND DISCHARGES INTO MODIFIED POND A. MODIFIED POND A IS DESIGNED TO PROVIDE ATTENUATION FOR STORMWATER RUNOFF AS REQUIRED BY LOCAL AND/OR STATE STANDARDS AND REGULATIONS. POST-DEVELOPED BASIN A - BYPASS SHEET FLOWS NORTHEAST AND THEN SHALLOW CONCENTRATED FLOWS NORTHWEST BYPASSING THE MODIFIED POND AND DISCHARGING INTO A DITCH LOCATED WEST OF THE PROPERTY LINE, WHICH EVENTUALLY FLOWS INTO SCUFFLE CREEK.

FLOODPLAIN INFORMATION:

THE PROPERTY SHOWN HEREON IS LOCATED IN FLOOD ZONE ZONE X AS PER FLOOD INSURANCE RATE MAP FOR TWIGGS COUNTY, GA, AND SHOWN ON MAP NO. 13289C0165B, WITH AN EFFECTIVE DATE OF 12/17/2010. FLOOD ZONE ZONE X DENOTES AREA OF MINIMAL FLOOD HAZARD

AXIS
ENGINEERING CONSULTANTS
LEESBURG ★ VALDOSTA ★ WARNER ROBINS

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AXIS ENGINEERING CONSULTANTS
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GEORGIA
BRIAN STEPHEN HILL
No. PE032671
PROFESSIONAL
07/15/2026
ENGINEER
BRIAN HILL

HYDROLOGY PLAN

TA TRAVEL CENTER JEFFERSONVILLE, GA

TWIGGS COUNTY, GA

PROJECT NO. 25-25019
DATE: 11/03/2025
DRAWN BY: AF
CHECK BY: JM

STROUD AND COMPANY

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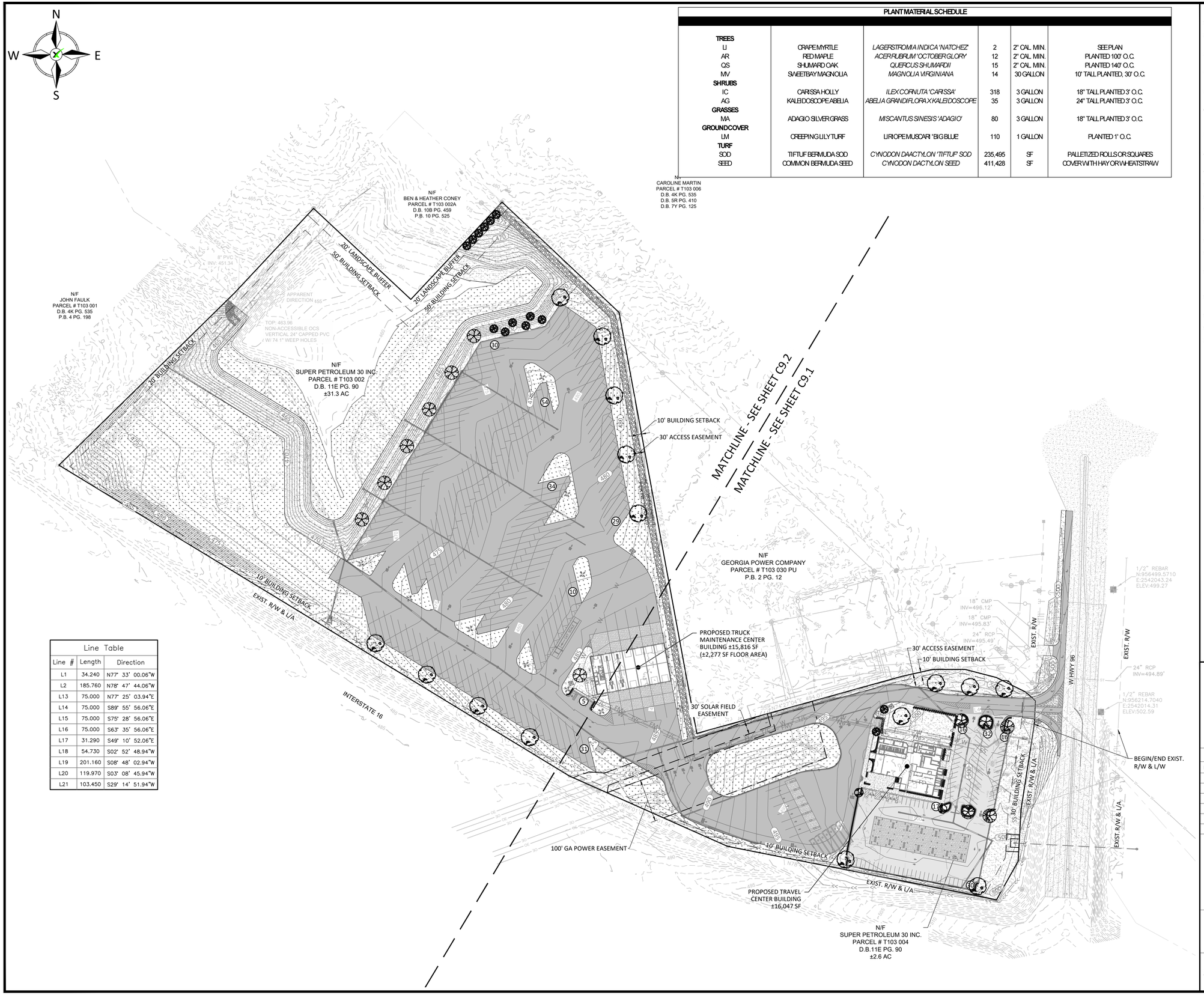
GRAPHIC SCALE 1" = 200'

SHEET NO.
C8.0



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L20	119.970	S03° 08' 45.94"W
L21	103.450	S29° 14' 51.94"W

PLANT MATERIAL SCHEDULE

TREES					
LI	CRAPE MYRTLE	*LAGERSTROMIA INDICA 'NATCHEZ'*	2	2" CAL. MIN.	SEE PLAN
AR	RED MAPLE	*ACER RUBRUM 'OCTOBER GLORY'*	12	2" CAL. MIN.	PLANTED 100' O.C.
QS	SHUMARD OAK	*QUERCUS SHUMARDII*	15	2" CAL. MIN.	PLANTED 140' O.C.
MV	SWEETBAY MAGNOLIA	*MAGNOLIA VIRGINIANA*	14	30 GALLON	10' TALL PLANTED, 30' O.C.
SHRUBS					
IC	CARISSA HOLLY	*ILEX CORNUTA 'CARISSA'*	318	3 GALLON	18" TALL PLANTED 3' O.C.
AG	KALEIDOSCOPE ABELIA	*ABELIA GRANDIFLORA X KALEIDOSCOPE*	35	3 GALLON	24" TALL PLANTED 3' O.C.
GRASSES					
MA	ADAGIO SILVER GRASS	*MISCANTUS SINESIS 'ADAGIO'*	80	3 GALLON	18" TALL PLANTED 3' O.C.
GROUNDCOVER					
LM	CREEPING LILY TURF	*LIRIOPE MUSCARI 'BIG BLUE'*	110	1 GALLON	PLANTED 1' O.C.
TURF					
SOD	TIFTUF BERMUDA SOD	*CYNODON DAACTYLON 'TIFTUF' SOD*	235,495	SF	PALLETIZED ROLLS OR SQUARES
SEED	COMMON BERMUDA SEED	*CYNODON DACTYLON SEED*	411,428	SF	COVER WITH HAY OR WHEATSTRAW

LANDSCAPING NOTES:

1. THE CONTRACTOR SHALL LOCATE AND VERIFY THE EXISTENCE OF ALL UTILITIES PRIOR TO STARTING WORK.
2. THE CONTRACTOR SHALL SUPPLY ALL PLANT MATERIALS IN QUANTITIES SUFFICIENT TO COMPLETE THE PLANTING SHOWN ON ALL DRAWINGS.
3. ALL MATERIAL SHALL CONFORM TO THE GUIDELINES ESTABLISHED BY THE CURRENT AMERICAN STANDARD FOR NURSERY STOCK, PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN.
4. NO PLANT SHALL BE PUT INTO THE GROUND BEFORE ROUGH GRADING HAS BEEN COMPLETED AND APPROVED BY THE PROJECT ARCHITECT OR EQUAL.
5. ALL PLANTS SHALL BEAR THE SAME RELATIONSHIP TO FINISHED GRADE AS THE PLANTS ORIGINAL GRADE BEFORE DIGGING.
6. ALL PLANTS SHALL BE BALLED AND WRAPPED OR CONTAINER GROWN AS SPECIFIED. NO CONTAINER GROWN STOCK WILL BE ACCEPTED IF IT IS ROOT BOUND. ALL ROOT WRAPPING MATERIAL MADE OF SYNTHETICS OR PLASTICS SHALL BE REMOVED AT TIME OF PLANTING
7. WITH CONTAINER GROWN STOCK, THE CONTAINER SHALL BE REMOVED AND THE CONTAINER BALL SHALL BE CUT THROUGH THE SURFACE IN TWO VERTICAL LOCATIONS.
8. THE DAY PRIOR TO PLANTING, THE LOCATION OF ALL TREES AND SHRUB SHALL BE STAKED FOR APPROVAL THE PROJECT LANDSCAPE ARCHITECT OR EQUAL.
9. ALL PLANT MATERIAL SHALL BE SELECTED AT THE NURSERIES BY THE PROJECT LANDSCAPE ARCHITECT OR EQUAL.
10. ALL PLANTS SHALL BE INSTALLED AS PER DETAILS AND THE CONTRACT SPECIFICATIONS.
11. ALL PLANTS AN STAKES SHALL BE SET PLUM UNLESS OTHERWISE SPECIFIED.
12. THE LANDSCAPE CONTRACTOR SHALL PROVIDE FILL AS PER THE CONTRACT SPECIFICATIONS.
13. ALL PLANTS SHALL BE WATERED THOROUGHLY TWICE DURING THE FIRST 24-HOUR PERIOD AFTER PLANTING. ALL PLANTS SHALL THEN BE WATERED WEEKLY, IF NECESSARY, DURING THE FIRST GROWING SEASON.
14. THE LANDSCAPE CONTRACTOR SHALL REFER TO THE CONTRACT SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
15. THE LANDSCAPE CONTRACTOR SHALL REFER TO THE PLANT LIST FOR SEASONAL REQUIREMENTS RELATED TO THE TIME OF PLANTING.
16. THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR FULLY MAINTAINING ALL PLANTINGS INCLUDING BUT NOT LIMITED TO WATERING, SPRAYING, MULCHING, FERTILIZING, ETC. OF PLANTING AREAS & LAWNS UNTIL THE WORK IS ACCEPTED IN TOTAL BY THE LANDSCAPE ARCHITECT OR THE OWNER.
17. ALL PLANTS AND PLANTING AREAS MUST BE COMPLETELY MULCHED AT A MINIMUM DEPTH OF 3" USING A SHREDDED HARDWOOD MULCH, PINESTRAW, OR SIMILAR MATERIAL.
18. ALL DISTURBED AREAS NOT COVERED BY STRUCTURES, PAVING OR LANDSCAPING SHALL BE EITHER SEEDED OR SODDED.
19. ALL PLANTINGS SHALL BE THOROUGHLY WATERED BY THE LANDSCAPE CONTRACTOR AT THE TIME OF THE PLANTINGS.
20. MAINTENANCE SHALL BEGIN IMMEDIATELY AFTER GRASSING. WATER REGULARLY TO KEEP LAWN AREAS MOIST TO MAXIMIZE GERMINATION AND MAINTAIN OPTIMUM GROWTH AND SURVIVAL TO ACHIEVE AN ACCEPTABLE STAND OF ESTABLISHED LAWN.

PLANT LEGEND

- CRAPE MYRTLE
- RED MAPLE
- SHUMARD OAK
- SWEETBAY MAGNOLIA
- CARISSA HOLLY
- KALEIDOSCOPE ABELIA
- ADAGIO SILVER GRASS
- 'TIFTUF' BERMUDA SOD
- COMMON BERMUDA SEED
- CREEPING LILY TURF

AXIS ENGINEERING CONSULTANTS
LEESBURG ★ VALDOSTA ★ WARNER ROBINS

GEORGIA — AXIS ENGINEERING CONSULTANTS PEF009117 06/30/2026 — CERTIFICATE OF AUTHORIZATION

REVISIONS

No.	DATE	DESCRIPTION
1	02/25/26	REVISIONS PER OWNER - VALUE ENGINEERING
2	04/02/26	REVISIONS PER GDOT COMMENTS
3	04/09/26	REVISIONS PER GTC COMMENTS
4	04/22/26	REVISIONS PER OWNER
5	04/30/26	REVISIONS PER GDOT COMMENTS
6	07/17/26	ISSUED FOR CONSTRUCTION

GEORGIA REGISTERED — No. PE032671 PROFESSIONAL ENGINEER — BRYAN HILL, BRYAN

OVERALL LANDSCAPE PLAN

TA TRAVEL CENTER JEFFERSONVILLE, GA

TWIGGS COUNTY, GA

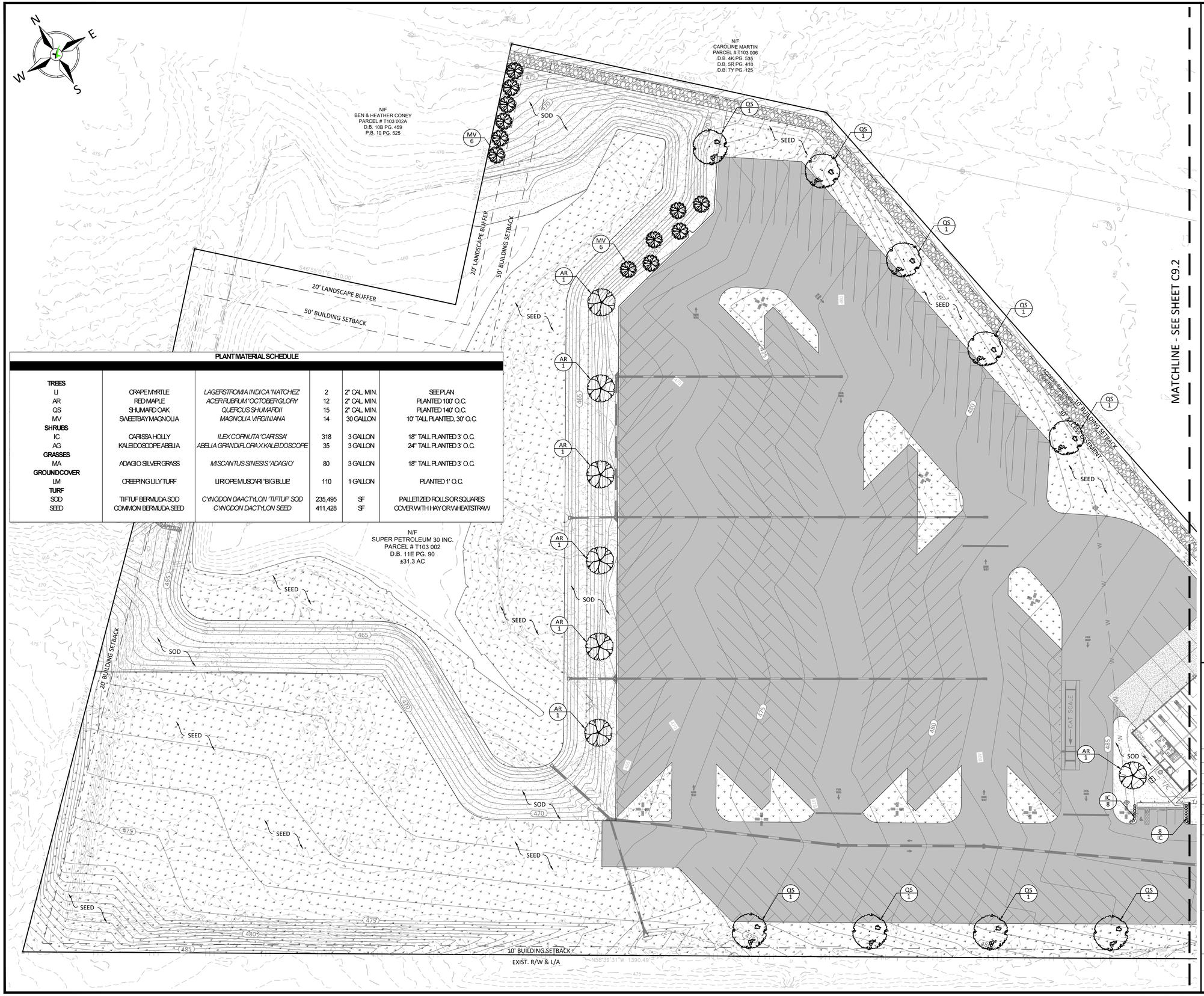
PROJECT NO.	25-25019
DATE:	11/03/2025
DRAWN BY:	AF
CHECK BY:	JM

STROUD AND COMPANY

SCALE: 100' 50' 0' 100' — GRAPHIC SCALE 1" = 100'

SHEET NO. C9.0

Z:\Shared\AEC\Projects\2025\25-25019 Stroud - TA Travel Center Jeffersonville, GA\DWG\25-25019_L01.dwg - 7/17/2026 8:43 AM



PLANT MATERIAL SCHEDULE

TREES					
LI	CRAPE MYRTLE	*LAGERSTROMIA INDICA 'NATCHEZ'*	2	2" CAL. MIN.	SEE PLAN
AR	RED MAPLE	*ACER RUBRUM 'OCTOBER GLORY'*	12	2" CAL. MIN.	PLANTED 100' O.C.
QS	SHUMARD OAK	*QUERCUS SHUMARDII*	15	2" CAL. MIN.	PLANTED 140' O.C.
MV	SWEETBAY MAGNOLIA	*MAGNOLIA VIRGINIANA*	14	30 GALLON	10' TALL PLANTED, 30' O.C.
SHRUBS					
IC	CARISSA HOLLY	*ILEX CORNUTA 'CARISSA'*	318	3 GALLON	18" TALL PLANTED 3' O.C.
AG	KALEIDOSCOPE ABELIA	*ABELIA GRANDIFLORA X KALEIDOSCOPE*	35	3 GALLON	24" TALL PLANTED 3' O.C.
GRASSES					
MA	ADAGIO SILVER GRASS	*MISCANTUS SINESIS 'ADAGIO'*	80	3 GALLON	18" TALL PLANTED 3' O.C.
GROUNDCOVER					
LM	CREEPING LILY TURF	LIRIOPE MUSCARI 'BIG BLUE'	110	1 GALLON	PLANTED 1' O.C.
TURF					
SOD	TIFTUF BERMUDA SOD	*CYNODON DAACTYLON 'TIFTUF' SOD*	235,495	SF	PALLETIZED ROLLS OR SQUARES
SEED	COMMON BERMUDA SEED	*CYNODON DACTYLON SEED*	411,428	SF	COVER WITH HAY OR WHEATSTRAW

LANDSCAPING NOTES:

1. THE CONTRACTOR SHALL LOCATE AND VERIFY THE EXISTENCE OF ALL UTILITIES PRIOR TO STARTING WORK.
2. THE CONTRACTOR SHALL SUPPLY ALL PLANT MATERIALS IN QUANTITIES SUFFICIENT TO COMPLETE THE PLANTING SHOWN ON ALL DRAWINGS.
3. ALL MATERIAL SHALL CONFORM TO THE GUIDELINES ESTABLISHED BY THE CURRENT AMERICAN STANDARD FOR NURSERY STOCK, PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN.
4. NO PLANT SHALL BE PUT INTO THE GROUND BEFORE ROUGH GRADING HAS BEEN COMPLETED AND APPROVED BY THE PROJECT ARCHITECT OR EQUAL.
5. ALL PLANTS SHALL BEAR THE SAME RELATIONSHIP TO FINISHED GRADE AS THE PLANTS ORIGINAL GRADE BEFORE DIGGING.
6. ALL PLANTS SHALL BE BALLED AND WRAPPED OR CONTAINER GROWN AS SPECIFIED. NO CONTAINER GROWN STOCK WILL BE ACCEPTED IF IT IS ROOT BOUND. ALL ROOT WRAPPING MATERIAL MADE OF SYNTHETICS OR PLASTICS SHALL BE REMOVED AT TIME OF PLANTING
7. WITH CONTAINER GROWN STOCK, THE CONTAINER SHALL BE REMOVED AND THE CONTAINER BALL SHALL BE CUT THROUGH THE SURFACE IN TWO VERTICAL LOCATIONS.
8. THE DAY PRIOR TO PLANTING, THE LOCATION OF ALL TREES AND SHRUB SHALL BE STAKED FOR APPROVAL THE PROJECT LANDSCAPE ARCHITECT OR EQUAL.
9. ALL PLANT MATERIAL SHALL BE SELECTED AT THE NURSERIES BY THE PROJECT LANDSCAPE ARCHITECT OR EQUAL.
10. ALL PLANTS SHALL BE INSTALLED AS PER DETAILS AND THE CONTRACT SPECIFICATIONS.
11. ALL PLANTS AN STAKES SHALL BE SET PLUM UNLESS OTHERWISE SPECIFIED.
12. THE LANDSCAPE CONTRACTOR SHALL PROVIDE FILL AS PER THE CONTRACT SPECIFICATIONS.
13. ALL PLANTS SHALL BE WATERED THOROUGHLY TWICE DURING THE FIRST 24-HOUR PERIOD AFTER PLANTING. ALL PLANTS SHALL THEN BE WATERED WEEKLY, IF NECESSARY, DURING THE FIRST GROWING SEASON.
14. THE LANDSCAPE CONTRACTOR SHALL REFER TO THE CONTRACT SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
15. THE LANDSCAPE CONTRACTOR SHALL REFER TO THE PLANT LIST FOR SEASONAL REQUIREMENTS RELATED TO THE TIME OF PLANTING.
16. THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR FULLY MAINTAINING ALL PLANTINGS INCLUDING BUT NOT LIMITED TO WATERING, SPRAYING, MULCHING, FERTILIZING, ETC. OF PLANTING AREAS & LAWNS UNTIL THE WORK IS ACCEPTED IN TOTAL BY THE LANDSCAPE ARCHITECT OR THE OWNER.
17. ALL PLANTS AND PLANTING AREAS MUST BE COMPLETELY MULCHED AT A MINIMUM DEPTH OF 3" USING A SHREDDED HARDWOOD MULCH, PINESTRAW, OR SIMILAR MATERIAL.
18. ALL DISTURBED AREAS NOT COVERED BY STRUCTURES, PAVING OR LANDSCAPING SHALL BE EITHER SEEDED OR SODDED.
19. ALL PLANTINGS SHALL BE THOROUGHLY WATERED BY THE LANDSCAPE CONTRACTOR AT THE TIME OF THE PLANTINGS.
20. MAINTENANCE SHALL BEGIN IMMEDIATELY AFTER GRASSING. WATER REGULARLY TO KEEP LAWN AREAS MOIST TO MAXIMIZE GERMINATION AND MAINTAIN OPTIMUM GROWTH AND SURVIVAL TO ACHIEVE AN ACCEPTABLE STAND OF ESTABLISHED LAWN.

PLANT LEGEND

- CRAPE MYRTLE
- RED MAPLE
- SHUMARD OAK
- SWEETBAY MAGNOLIA
- CARISSA HOLLY
- KALEIDOSCOPE ABELIA
- ADAGIO SILVER GRASS
- 'TIFTUF' BERMUDA SOD
- COMMON BERMUDA SEED
- CREEPING LILY TURF

AXIS ENGINEERING CONSULTANTS
LEESBURG ★ VALDOSTA ★ WARNER ROBINS

GEORGIA — AXIS ENGINEERING CONSULTANTS PEF009117 06/30/2026 — CERTIFICATE OF AUTHORIZATION

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6	07/17/26	ISSUED FOR CONSTRUCTION

GEORGIA — BRIGHT STEVEN BRIAN HILL BRAUN — No. PE032671 PROFESSIONAL ENGINEER

LANDSCAPE PLAN - WEST

TA TRAVEL CENTER JEFFERSONVILLE, GA

TWIGGS COUNTY, GA

PROJECT NO.	25-25019
DATE:	11/03/2025
DRAWN BY:	AF
CHECK BY:	JM

STROUD AND COMPANY

SCALE: 50' 25' 0' 50' — GRAPHIC SCALE 1" = 50'

SHEET NO. C9.1

PLANT MATERIAL SCHEDULE

TREES					
LI	CRAPE MYRTLE	*LAGERSTROMIA INDICA 'NATCHEZ'*	2	2" CAL. MIN.	SEE PLAN
AR	RED MAPLE	*ACER RUBRUM 'OCTOBER GLORY'*	12	2" CAL. MIN.	PLANTED 100' O.C.
QS	SHUMARD OAK	*QUERCUS SHUMARDII*	15	2" CAL. MIN.	PLANTED 140' O.C.
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SEED	COMMON BERMUDA SEED	*CYNODON DACTYLON SEED*	411,428	SF	COVER WITH HAY OR WHEAT STRAW

MATCHLINE - SEE SHEET C9.1

N/F
GEORGIA POWER COMPANY
PARCEL # T103 030 PU
P.B. 2 PG. 12

30' ACCESS EASEMENT
10' BUILDING SETBACK
EXIST. R/W
EXIST. R/W
W. HWY 96
1/2" REBAR
N:956499.5710
E:2542043.24
ELEV:499.27
18" CMP
INV=496.12'
18" CMP
INV=495.83'
24" RCP
INV=495.49'
24" RCP
INV=494.89'
1/2" REBAR
N:956214.7040
E:2542014.31
ELEV:502.59
BEGIN/END LIMITED ACCESS R/W
BEGIN/END LIMITED ACCESS R/W
10' BUILDING SETBACK
EXIST. R/W & L/A
EXIST. R/W & L/A
PROPOSED TRAVEL CENTER BUILDING ±16,047 SF
SEED
SEED
SEED
SOD
SOD
SOD
SOD
10' BUILDING SETBACK
EXIST. R/W & L/A
N/F
SUPER PETROLEUM 30 INC.
PARCEL # T103 004
D.B.11E PG. 90
±2.6 AC

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AXIS ENGINEERING CONSULTANTS
LEESBURG ★ VALDOSTA ★ WARNER ROBINS

GEORGIA — AXIS ENGINEERING CONSULTANTS PEF009117 06/30/2026 CERTIFICATE OF AUTHORIZATION

GEORGIA — REGISTERED No. PE032671 PROFESSIONAL ENGINEER BRIAN HILL BRAUN

REVISIONS

No.	DATE	DESCRIPTION
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5	04/30/26	REVISIONS PER GDOT COMMENTS
6	07/17/26	ISSUED FOR CONSTRUCTION

LANDSCAPE PLAN - EAST

TA TRAVEL CENTER JEFFERSONVILLE, GA

TWIGGS COUNTY, GA

PROJECT NO. 25-25019
DATE: 11/03/2025
DRAWN BY: AF
CHECK BY: JM

STROUD AND COMPANY

SCALE: 50' 25' 0' 50'
GRAPHIC SCALE 1" = 50'

SHEET NO.
C9.2

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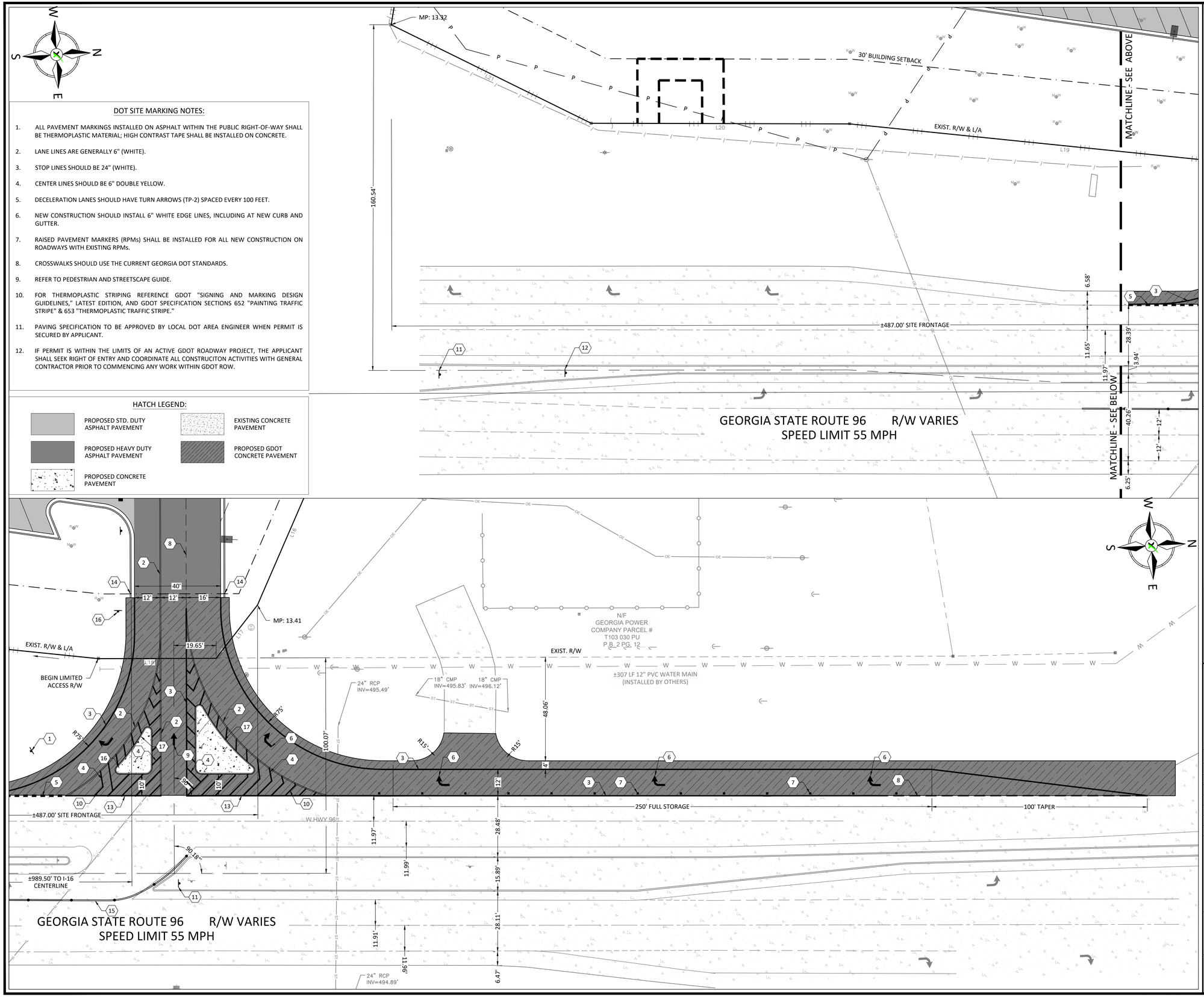
DOT SITE MARKING NOTES:

1. ALL PAVEMENT MARKINGS INSTALLED ON ASPHALT WITHIN THE PUBLIC RIGHT-OF-WAY SHALL BE THERMOPLASTIC MATERIAL; HIGH CONTRAST TAPE SHALL BE INSTALLED ON CONCRETE.
2. LANE LINES ARE GENERALLY 6" (WHITE).
3. STOP LINES SHOULD BE 24" (WHITE).
4. CENTER LINES SHOULD BE 6" DOUBLE YELLOW.
5. DECELERATION LANES SHOULD HAVE TURN ARROWS (TP-2) SPACED EVERY 100 FEET.
6. NEW CONSTRUCTION SHOULD INSTALL 6" WHITE EDGE LINES, INCLUDING AT NEW CURB AND GUTTER.
7. RAISED PAVEMENT MARKERS (RPMs) SHALL BE INSTALLED FOR ALL NEW CONSTRUCTION ON ROADWAYS WITH EXISTING RPMs.
8. CROSSWALKS SHOULD USE THE CURRENT GEORGIA DOT STANDARDS.
9. REFER TO PEDESTRIAN AND STREETSCAPE GUIDE.
10. FOR THERMOPLASTIC STRIPING REFERENCE GDOT "SIGNING AND MARKING DESIGN GUIDELINES," LATEST EDITION, AND GDOT SPECIFICATION SECTIONS 652 "PAINTING TRAFFIC STRIPE" & 653 "THERMOPLASTIC TRAFFIC STRIPE."
11. PAVING SPECIFICATION TO BE APPROVED BY LOCAL DOT AREA ENGINEER WHEN PERMIT IS SECURED BY APPLICANT.
12. IF PERMIT IS WITHIN THE LIMITS OF AN ACTIVE GDOT ROADWAY PROJECT, THE APPLICANT SHALL SEEK RIGHT OF ENTRY AND COORDINATE ALL CONSTRUCITON ACTIVITIES WITH GENERAL CONTRACTOR PRIOR TO COMMENCING ANY WORK WITHIN GDOT ROW.

HATCH LEGEND:

- PROPOSED STD. DUTY ASPHALT PAVEMENT
- EXISTING CONCRETE PAVEMENT
- PROPOSED HEAVY DUTY ASPHALT PAVEMENT
- PROPOSED GDOT CONCRETE PAVEMENT
- PROPOSED CONCRETE PAVEMENT



SITE DATA TABLE

PROJECT ADDRESS		4838 HIGHWAY 96 WEST JEFFERSONVILLE, GEORGIA 31044	
PARCEL NUMBER		T103 002, T103 004 (31.3, ±2.6 ACRES)	
ZONING		GENERAL COMMERCIAL	
PROJECT AREA		±33.9 ACRES	
BUILDING SETBACK		LANDSCAPE SETBACK	
FRONT	30'	FRONT	0'
SIDE	10', 50' ABUT RESIDENTIAL	SIDE	20' ABUT RESIDENTIAL
REAR	20'	REAR	20' ABUT RESIDENTIAL

KEY NOTE LEGEND

1. R1-2 YIELD SIGN
2. 6" DOUBLE YELLOW STRIPING
3. 6" WHITE EDGE STRIPING, TYP.
4. 12" YELLOW TRAFFIC STRIPING - 18" OC @ 45°, TYP. (ISLAND, DRIVEWAY EDGE)
5. 18" WHITE SKIP LINE (2' SEGMENT / 2' GAP) PLACED PER GDOT STANDARDS
6. TYPE 2R TURN ARROW, PLACED PER GDOT STANDARDS, TYP.
7. TYPE 2 RPM'S (T15-A) PLACED PER GDOT STANDARDS, TYP.
8. 6" WHITE MINI SKIP STRIPE
9. TYPE 1 TURN ARROW
10. 12" WHITE TRAFFIC STRIPING - 18" OC @ 45°, TYP. (ISLAND, HIGHWAY EDGE)
11. SIGN "TRUCKS U-TURN AHEAD"
12. SIGN " NO TRUCKS"
13. 10" WHITE EDGE STRIPING, TYP.
14. 2' CURB TAPER, TYP.
15. FLEXIBLE CURB WITH DELINEATOR POSTS, INSTALLED PER GDOT STANDARDS
16. SIGN "NO LEFT TURN"
17. CONCRETE ISLAND WITH 6" TYPE 7 CURB, INSTALLED PER GDOT STANDARDS

DOT SITE INFORMATION:

1. OWNER: STROUD AND COMPANY
2. OWNER ADDRESS: P.O. BOX 4044, MACON, GEORGIA 31208
3. PROJECT ROAD NAME: GEORGIA STATE ROUTE 96
4. POSTED SPEED LIMIT: 55 MPH
5. MILE POST NUMBER: ±13.32 - 13.41 HEADING NORTH
6. SITE FRONTAGE: ±487.00'
7. DRIVEWAY WIDTH: 40.00'
8. INTERSECTION RADIUS: VARIES - SEE PLANS
9. INTERSECTION ANGLE: 90°
10. INTERSECTION SLOPE: VARIES - SEE PLANS
11. SIDEWALK LENGTH: N/A
12. SIGHT DISTANCE > 610 FEET NORTH AT 55 MPH
13. 2024 AADT: 1,970 BASED ON GDOT TRAFFIC DATA
14. THE PROPOSED DEVELOPMENT DOES NOT ADD ANY ADDITIONAL RUNOFF NOR INCREASE RUNOFF BY MORE THAN 1 CFS INTO STATE ROW. THE SITE WILL NOT HAVE ANY ADVERSE EFFECT UPSTREAM, DOWNSTREAM, OR ON THE STATE ROW.

AXIS ENGINEERING CONSULTANTS
LEESBURG ★ VALDOSTA ★ WARNER ROBINS

GEORGIA — AXIS ENGINEERING CONSULTANTS — PEF009117 — 06/30/2026 — CERTIFICATE OF AUTHORIZATION

GEORGIA — REGISTERED — BRIAN HILL BRAUN — No. PE032671 PROFESSIONAL ENGINEER — 07/15/2026

REVISIONS

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6	07/17/26	ISSUED FOR CONSTRUCTION

DOT STRIPING & SIGNAGE PLAN

TA TRAVEL CENTER JEFFERSONVILLE, GA

TWIGGS COUNTY, GA

PROJECT NO.	25-25019
DATE:	11/03/2025
DRAWN BY:	AF
CHECK BY:	JM

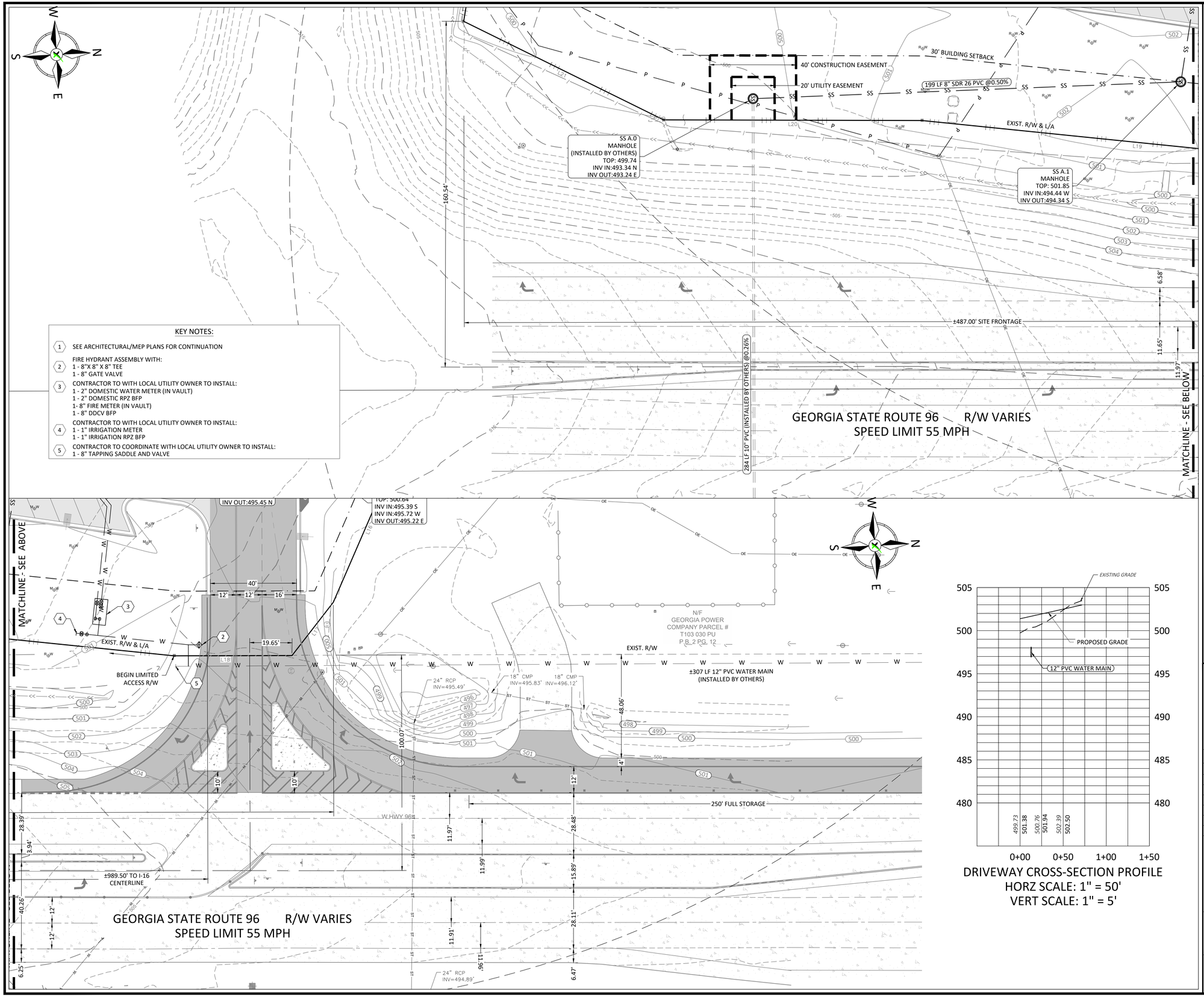
STROUD AND COMPANY

SCALE: 20' 10' 0' 20' — GRAPHIC SCALE 1" = 20'

SHEET NO. C10.0

KEY NOTES:

1. SEE ARCHITECTURAL/MEP PLANS FOR CONTINUATION
2. FIRE HYDRANT ASSEMBLY WITH:
   1 - 8"X 8" X 8" TEE
   1 - 8" GATE VALVE
3. CONTRACTOR TO WITH LOCAL UTILITY OWNER TO INSTALL:
   1 - 2" DOMESTIC WATER METER (IN VAULT)
   1 - 2" DOMESTIC RPZ BFP
   1- 8" FIRE METER (IN VAULT)
   1 - 8" DDCV BFP
4. CONTRACTOR TO WITH LOCAL UTILITY OWNER TO INSTALL:
   1 - 1" IRRIGATION METER
   1 - 1" IRRIGATION RPZ BFP
5. CONTRACTOR TO COORDINATE WITH LOCAL UTILITY OWNER TO INSTALL:
   1 - 8" TAPPING SADDLE AND VALVE



DRIVEWAY CROSS-SECTION PROFILE
HORZ SCALE: 1" = 50'
VERT SCALE: 1" = 5'

DOT UTILITY NOTES:

1. THE CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES' SIZE AND LOCATION FROM FIELD OBSERVATION WITHIN THE PROJECT AREA. ALL UTILITY CONNECTIONS SHALL BE COORDINATED WITH UTILITY OWNERS ON ALL CONNECTIONS OR CONFLICTS.
2. THE CONTRACTOR SHALL PROVIDE A MINIMUM OF SEVENTY TWO (72) HOUR NOTICE TO THE UTILITIES PROTECTION CENTER PRIOR TO STARTING ANY CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL PROVIDE PROTECTION FOR ALL EXISTING UTILITIES WITHIN THE PROJECT AREA AS NEEDED. THE CONTRACTOR SHALL REPAIR ANY UTILITIES DAMAGED DURING CONSTRUCTION AT NO COST TO THE OWNER OR DEVELOPER.
3. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND LOCATIONS OF ALL PROPOSED UTILITIES AND COORDINATE WITH ARCHITECTURAL PLANS (IF APPLICABLE) ON CONNECTION LOCATIONS. IF ANY DISCREPANCIES ARE DISCOVERED, THE CONTRACTOR SHALL THE NOTIFY THE ENGINEER WITHIN TWENTY FOUR (24) HOURS.
4. A MINIMUM OF TEN FOOT (10') AND EIGHTEEN INCHES (18") OF VERTICAL SEPARATION SHALL BE MAINTAINED BETWEEN ALL POTABLE WATER MAINS AND SANITARY SEWER MAINS.
5. A MINIMUM OF FOUR FEET (4') OF COVER SHALL BE MAINTAINED ABOVE ALL PROPOSED UTILITY MAINS AND SERVICE CONNECTIONS FOR THE PROJECT.
6. THE CONTRACTOR SHALL ADJUST ALL TOPS OF EXISTING UTILITY STRUCTURES TO MATCH THAT OF THE FINAL GRADE OF PROJECT.
7. ALL SANITARY SEWER AND POTABLE WATER CONSTRUCTION SHALL COMPLY WITH ALL LOCAL AND STATE MINIMUM STANDARDS AND SPECIFICATIONS.
8. ALL PROPOSED SANITARY SEWER MAINS SHALL MEET THE SLOPE REQUIREMENTS AS STATED IN LATEST EDITION OF THE TEN STATE STANDARDS FOR WASTEWATER FACILITIES. ALL SANITARY SEWER SERVICE CONNECTIONS SHALL MAINTAIN A ONE PERCENT (1%) SLOPE UNLESS OTHERWISE SPECIFIED ON THE PLANS.
9. ALL WATER FIXTURES, APPURTENANCES, AND CONSTRUCTION METHODS SHALL MEET THE MINIMUM OF ALL LOCAL AND STATE STANDARDS AND SPECIFICATIONS.
10. NO LANDSCAPING OR IRRIGATION SYSTEMS SHALL BE INSTALLED WITHIN GDOT RIGHT-OF-WAY IN ACCORDANCE WITH GEORGIA DEPARTMENT OF TRANSPORTATION UTILITY ACCOMMODATION AND PERMIT REQUIREMENTS.
11. ANY UTILITY WORK WITHIN THE STATE RIGHT OF WAY WILL REQUIRE A PERMIT THROUGH THE GEORGIA PERMIT APPLICATION SYSTEM (GPAS) AND WILL NEED TO CONFORM TO THE UTILITY ACCOMMODATION POLICY AND STANDARDS MANUAL (UAM). IT IS THE RESPONSIBILITY OF THE UTILITY OWNER TO APPLY FOR THE PERMIT.
12. THE PROPOSED UTILITY WORK SUBMITTED FOR THE PERMIT IN GPAS WILL NEED TO BE SHOWN ON THE DRAWING APPROVED BY GDOT'S ACCESS MANAGEMENT.
13. WHEN BORING UNDER A STATE ROUTE THE GPAS PERMIT PACKAGE WILL NEED TO INCLUDE A CROSS-SECTION SHOWING THE LOCATION OF THE BORE, BORE PITS AND ALL EXISTING UTILITIES AT THE BORE LOCATION. TEST HOLES MAY BE REQUIRED TO SHOW THE EXACT DEPTH OF THE EXISTING UTILITIES.
14. ENSURE ALL EXISTING AND PROPOSED UTILITIES ARE SHOWN ON THE ACCESS MANAGEMENT PLANS.
15. WATER METERS, NEW OR RELOCATED, ARE TO BE PLACED OUTSIDE THE STATE RIGHT OF WAY.
16. ENSURE DRIVEWAY / TURN LANE PROFILES ALLOW FOR PROPER COVER OVER EXISTING UNDERGROUND UTILITIES.

DOT SITE INFORMATION:

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8. INTERSECTION RADIUS: VARIES - SEE PLANS
9. INTERSECTION ANGLE: 90°
10. INTERSECTION SLOPE: VARIES - SEE PLANS
11. SIDEWALK LENGTH: N/A
12. SIGHT DISTANCE > 610 FEET NORTH AT 55 MPH
13. 2024 AADT: 1,970 BASED ON GDOT TRAFFIC DATA
14. THE PROPOSED DEVELOPMENT DOES NOT ADD ANY ADDITIONAL RUNOFF NOR INCREASE RUNOFF BY MORE THAN 1 CFS INTO STATE ROW. THE SITE WILL NOT HAVE ANY ADVERSE EFFECT UPSTREAM, DOWNSTREAM, OR ON THE STATE ROW.

AXIS ENGINEERING CONSULTANTS
LEESBURG ★ VALDOSTA ★ WARNER ROBINS

GEORGIA — AXIS ENGINEERING CONSULTANTS — PEF009117 — 06/30/2026 — CERTIFICATE OF AUTHORIZATION

GEORGIA — REGISTERED — No. PE032671 — PROFESSIONAL — 07/15/2026 — ENGINEER — BRYAN HILL, BRYAN

REVISIONS

No.	DATE	DESCRIPTION
1	02/25/26	REVISIONS PER OWNER - VALUE ENGINEERING
2	04/02/26	REVISIONS PER GDOT COMMENTS
3	04/09/26	REVISIONS PER GTC COMMENTS
4	04/22/26	REVISIONS PER OWNER
5	04/30/26	REVISIONS PER GDOT COMMENTS
6	07/17/26	ISSUED FOR CONSTRUCTION

DOT UTILITY PLAN

TA TRAVEL CENTER JEFFERSONVILLE, GA

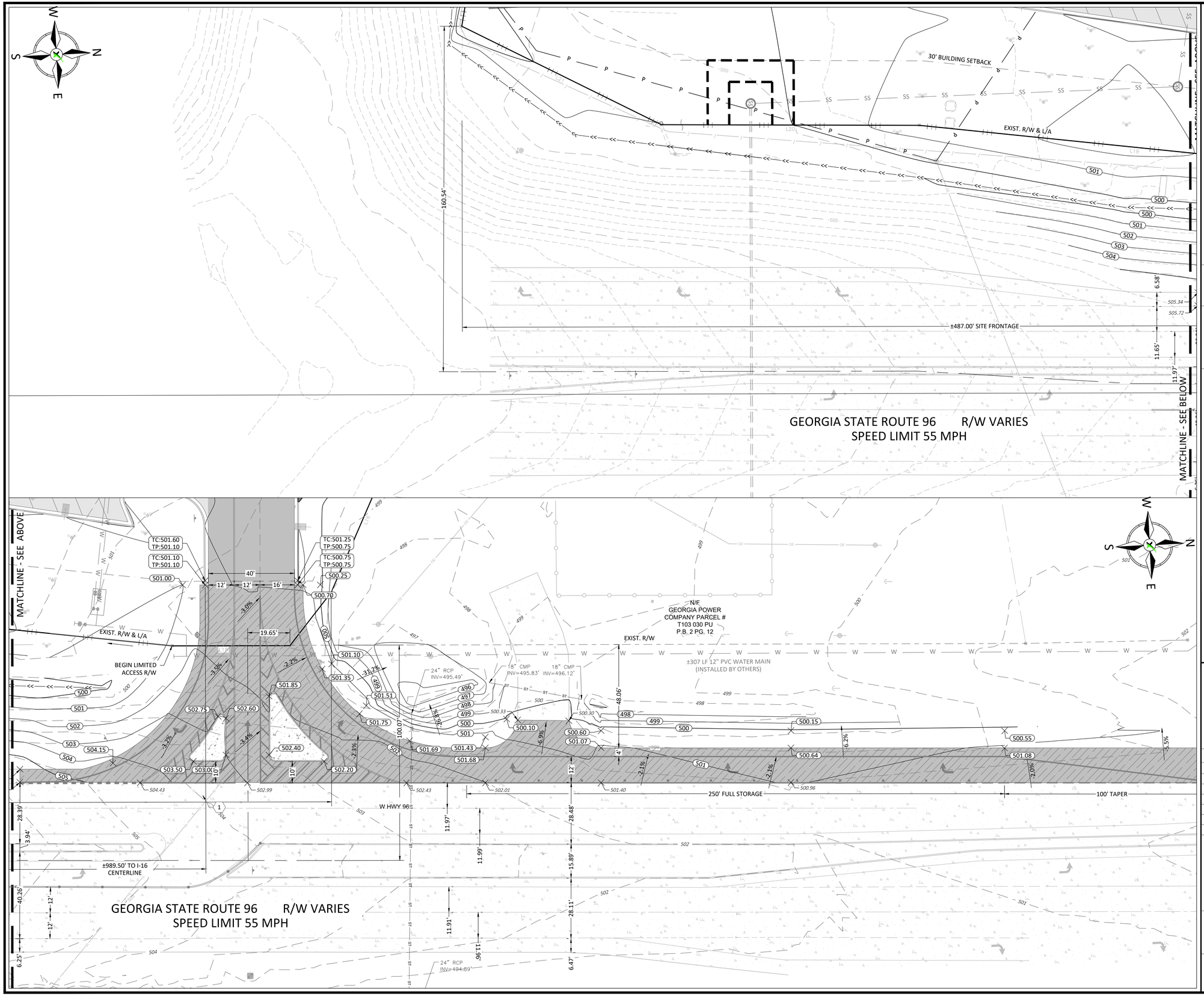
TWIGGS COUNTY, GA

PROJECT NO.	25-25019
DATE:	11/03/2025
DRAWN BY:	AF
CHECK BY:	JM

STROUD AND COMPANY

SCALE: 20' 10' 0' 20' — GRAPHIC SCALE 1" = 20'

SHEET NO. C10.1



GDOT PAVING, GRADING & DRAINAGE NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING ALL FILL MATERIAL. FILL MATERIAL SHALL BE CLEAN AND FREE OF ALL DEBRIS AND ORGANIC MATERIAL. SUITABLE FILL MATERIAL SHALL BE PLACED IN LIFTS OF 8" OR LESS AND COMPACTED TO 95% STANDARD PROCTOR.
2. A GEOTECHNICAL REPORT HAS BEEN PREPARE BY TERRACON CONSULTANTS, INC. AND DATED 02/19/2025 A COPY CAN BE PROVIDED UPON WRITTEN REQUEST.
3. THE CONTRACTOR SHALL GRADE THE SITE TO PROVIDE POSITIVE DRAINAGE AS INDICATED BY THE PROPOSED ELEVATIONS, CONTOURS, AND DRAINAGE SLOPE ARROWS.
4. FINISHED GRADE ELEVATIONS SHOWN ARE TOP OF PAVEMENT/FACE OF CURB UNLESS OTHERWISE NOTED.
5. CONTRACTOR SHALL ADJUST ALL EXISTING AND PROPOSED STRUCTURES (MANHOLES, VALVE BOXES, ETC.) TO FINISHED GRADE ELEVATIONS.
6. FINAL GRADES SHALL BE FLUSH WITH BACK OF CURB, EDGE OF PAVEMENT, AND/OR SIDEWALK GRADES.
7. HANDICAPPED PARKING AND ACCESSIBLE ROUTES SHALL MEET THE AMERICANS WITH DISABILITIES ACTS STANDARDS FOR ACCESSIBLE DESIGN - LATEST EDITION. SIDEWALKS SHALL NOT EXCEED 5% MAXIMUM LONGITUDINAL SLOPE AND 2% MAXIMUM CROSS SLOPE. ACCESSIBLE RAMPS SHALL NOT EXCEED 2% MAXIMUM SLOPE IN ALL DIRECTIONS. ACCESSIBLE RAMPS SHALL NOT EXCEED 12H:1V GRADE. THE CONTRACCTOR SHALL BE RESPONSIBLE FOR MEETING ADA GUIDELINES FOR HANDICAPPED PARKING/ACCESSIBLE ROUTES.
8. SEE DETAILS FOR TYPICAL PAVEMENT SECTIONS.
9. ALL PAVEMENT MARKINGS INSTALLED ON ASPHALT WITHIN THE PUBLIC RIGHT-OF-WAY SHALL BE THERMOPLASTIC MATERIAL; HIGH CONTRAST TAPE SHALL BE INSTALLED ON CONCRETE.

KEY NOTES:

(1) SAWCUT EXISTING ASPHALT/CONCRETE FOR SMOOTH TRANSITION

SPOT GRADE LEGEND:

100.00	EXISTING GRADE	HP:100.00	PROPOSED HIGH POINT
100.00	PROPOSED GRADE	LP:100.00	PROPOSED LOW POINT

DOT SITE INFORMATION:

1. OWNER: STROUD AND COMPANY
2. OWNER ADDRESS: P.O. BOX 4044, MACON, GEORGIA 31208
3. PROJECT ROAD NAME: GEORGIA STATE ROUTE 96
4. POSTED SPEED LIMIT: 55 MPH
5. MILE POST NUMBER: ±13.32 - 13.41 HEADING NORTH
6. SITE FRONTAGE: ±487.00'
7. DRIVEWAY WIDTH: 40.00'
8. INTERSECTION RADIUS: VARIES - SEE PLANS
9. INTERSECTION ANGLE: 90°
10. INTERSECTION SLOPE: VARIES - SEE PLANS
11. SIDEWALK LENGTH: N/A
12. SIGHT DISTANCE > 610 FEET NORTH AT 55 MPH
13. 2024 AADT: 1,970 BASED ON GDOT TRAFFIC DATA
14. THE PROPOSED DEVELOPMENT DOES NOT ADD ANY ADDITIONAL RUNOFF NOR INCREASE RUNOFF BY MORE THAN 1 CFS INTO STATE ROW. THE SITE WILL NOT HAVE ANY ADVERSE EFFECT UPSTREAM, DOWNSTREAM, OR ON THE STATE ROW.

AXIS ENGINEERING CONSULTANTS
LEESBURG ★ VALDOSTA ★ WARNER ROBINS

GEORGIA — AXIS ENGINEERING CONSULTANTS PEF009117 — 06/30/2026 — CERTIFICATE OF AUTHORIZATION

REVISIONS

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3	04/09/26	REVISIONS PER GTC COMMENTS
4	04/22/26	REVISIONS PER OWNER
5	04/30/26	REVISIONS PER GDOT COMMENTS
6	07/17/26	ISSUED FOR CONSTRUCTION

GEORGIA — REGISTERED — No. PE032671 PROFESSIONAL ENGINEER — 07/15/2026 — BRYAN HILL BRAWN

DOT GRADING & DRAINAGE PLAN

TA TRAVEL CENTER JEFFERSONVILLE, GA

TWIGGS COUNTY, GA

PROJECT NO.	25-25019
DATE:	11/03/2025
DRAWN BY:	AF
CHECK BY:	JM

STROUD AND COMPANY

SCALE: 20' 10' 0' 20' — GRAPHIC SCALE 1" = 20'

SHEET NO. C10.2

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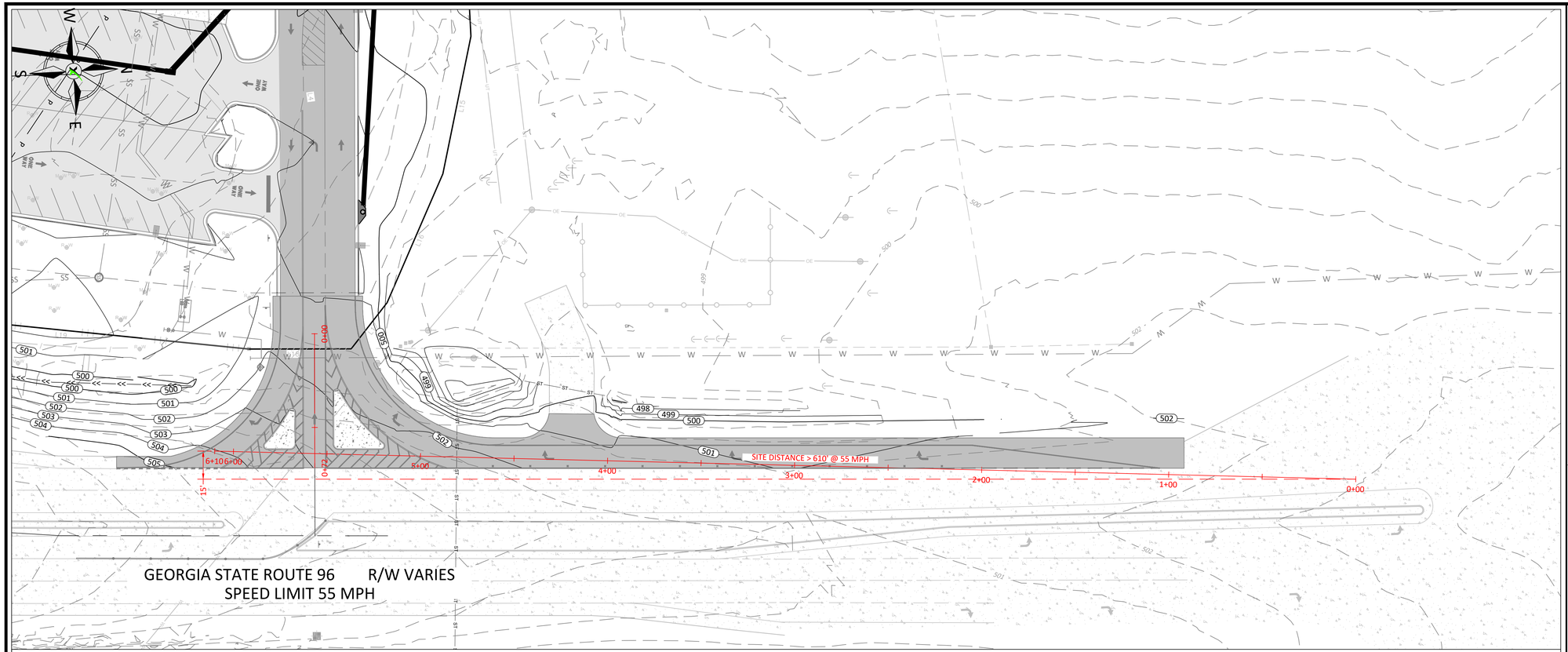

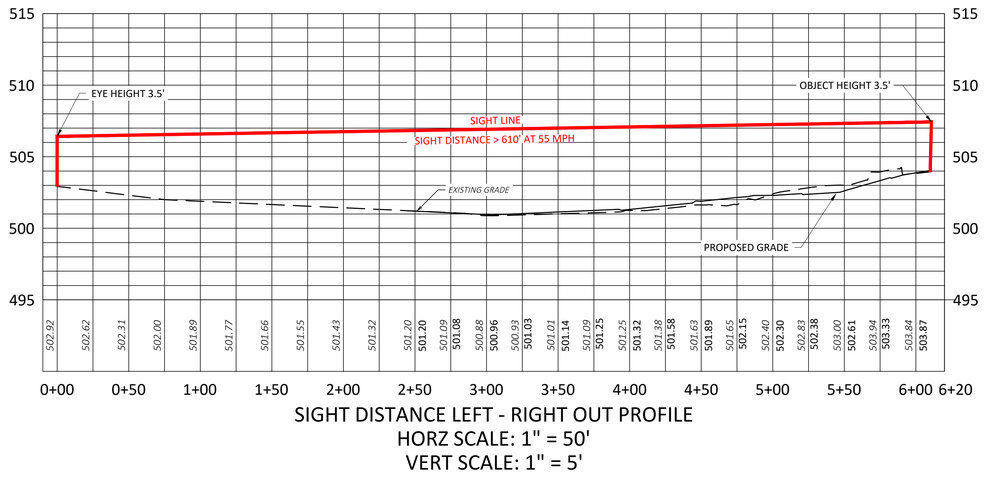

SIGHT DISTANCE LEFT - RIGHT OUT PROFILE
HORZ SCALE: 1" = 50'
VERT SCALE: 1" = 5'

SIGHT DISTANCE CERTIFICATION

I, THE UNDERSIGNED, HEREBY CERTIFY THE SIGHT DISTANCE FOR THE PROJECT IS DESIGNED WITH ADEQUATE DISTANCE. THE REGULATED SPEED LIMIT ON THE APPROACHING THOROUGHFARE IS 55 MPH. THE DESIGNED SIGHT DISTANCE PROVIDES VISIBILITY OF > 610 FEET TO THE LEFT. THE SIGHT DISTANCE SHALL BE MEASURED FROM A POINT OF 15 FEET FROM TRAVEL LANE AT AN EYE LEVEL OF 3.5 FEET AND LOOKING AT AN OBJECT 3.5 FEET ABOVE THE CENTERLINE

Brian H. Braun — 07/15/26

BRIAN H. BRAUN, P.E. — DATE

DOT SITE INFORMATION:

1. OWNER: STROUD AND COMPANY
2. OWNER ADDRESS: P.O. BOX 4044, MACON, GEORGIA 31208
3. PROJECT ROAD NAME: GEORGIA STATE ROUTE 96
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AXIS ENGINEERING CONSULTANTS
LEESBURG ★ VALDOSTA ★ WARNER ROBINS

GEORGIA — AXIS ENGINEERING CONSULTANTS PEF009117 — CERTIFICATE OF AUTHORIZATION — 06/30/2026

REVISIONS

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5	04/30/26	REVISIONS PER GDOT COMMENTS
6	07/17/26	ISSUED FOR CONSTRUCTION

GEORGIA REGISTERED — No. PE032671 PROFESSIONAL ENGINEER — 07/15/2026 — BRIAN HILL, BRIAN

DOT SIGHT DISTANCE

TA TRAVEL CENTER JEFFERSONVILLE, GA

TWIGGS COUNTY, GA

PROJECT NO. 25-25019
DATE: 11/03/2025
DRAWN BY: AF
CHECK BY: JM

STROUD AND COMPANY

SCALE: 30' 15' 0' 30' — GRAPHIC SCALE 1" = 30'

SHEET NO. C10.3

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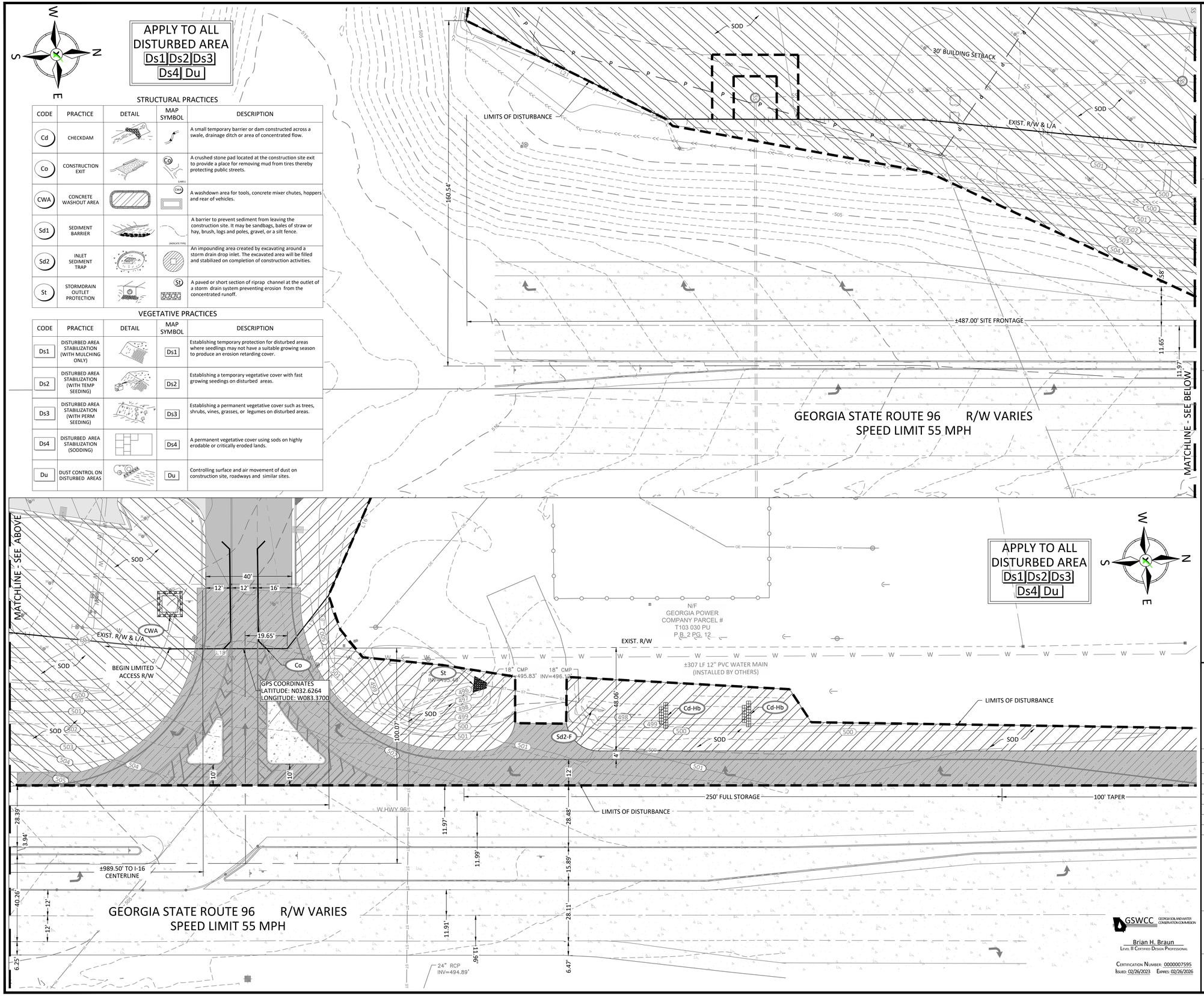
APPLY TO ALL DISTURBED AREA
Ds1 | Ds2 | Ds3
Ds4 | Du

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		Co (LABEL)	A crushed stone pad located at the construction site exit to provide a place for removing mud from tires thereby protecting public streets.
CWA	CONCRETE WASHOUT AREA		CWA	A washdown area for tools, concrete mixer chutes, hoppers and rear of vehicles.
Sd1	SEDIMENT BARRIER		(INDICATE TYPE)	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		St	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.



APPLY TO ALL DISTURBED AREA
Ds1 | Ds2 | Ds3
Ds4 | Du

INITIAL EROSION & SEDIMENTATION CONTROL NOTES:

1. 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.
2. 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.
3. 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.
4. WASTE MATERIALS SHALL NOT BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.
5. 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.
6. 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.
7. ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

NRCS WEB SOIL SURVEY

SYMBOL	NAME	HYDROLOGIC SOIL GROUP	UNIFIED SOIL CLASSIFICATION	DEPTH
LpC	Cowarts	C	SC, SC-SM, SM, CL	0"- 65"
NfB	Cowarts	C	SC, SC-SM, SM, CL	0"- 65"
NhB	Dothan	B	SM, SC, SC-SM	0"- 65"
OeB2	Orangeburg	B	SC-SM, SC, CL	0" - 80"
OeC2	Orangeburg	B	SC-SM, SC, CL	0" - 80"
RiB2	Ruston	B	SM, CL, SC, SC-SM	0" - 64"
TtB2	Tifton	C	SC-SM, SM, CL, SC	0" - 85"
Wtl	Wet alluvial land	B/D	CL-ML, ML, SC-SM, SM	0" - 60"

HATCH LEGEND:
SEE LANDSCAPE PLAN FOR FINAL EXACT GROUND COVER

Ds4 - SOD STABILIZATION

Ds3 - PERMANENT SEED STABILIZATION

DOT SITE INFORMATION:

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3. PROJECT ROAD NAME: GEORGIA STATE ROUTE 96
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AXIS ENGINEERING CONSULTANTS
LEESBURG ★ VALDOSTA ★ WARNER ROBINS

GEORGIA
AXIS ENGINEERING CONSULTANTS
PEF009117
06/30/2026
CERTIFICATE OF AUTHORIZATION

REVISIONS

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5	04/30/26	REVISIONS PER GDOT COMMENTS
6	07/17/26	ISSUED FOR CONSTRUCTION

GEORGIA
REGISTERED
No. PE032671
PROFESSIONAL
07/15/2026
ENGINEER
BRYAN HILL, BRAUN

DOT EROSION & SEDIMENTATION CONTROL PLAN

TA TRAVEL CENTER JEFFERSONVILLE, GA

TWIGGS COUNTY, GA

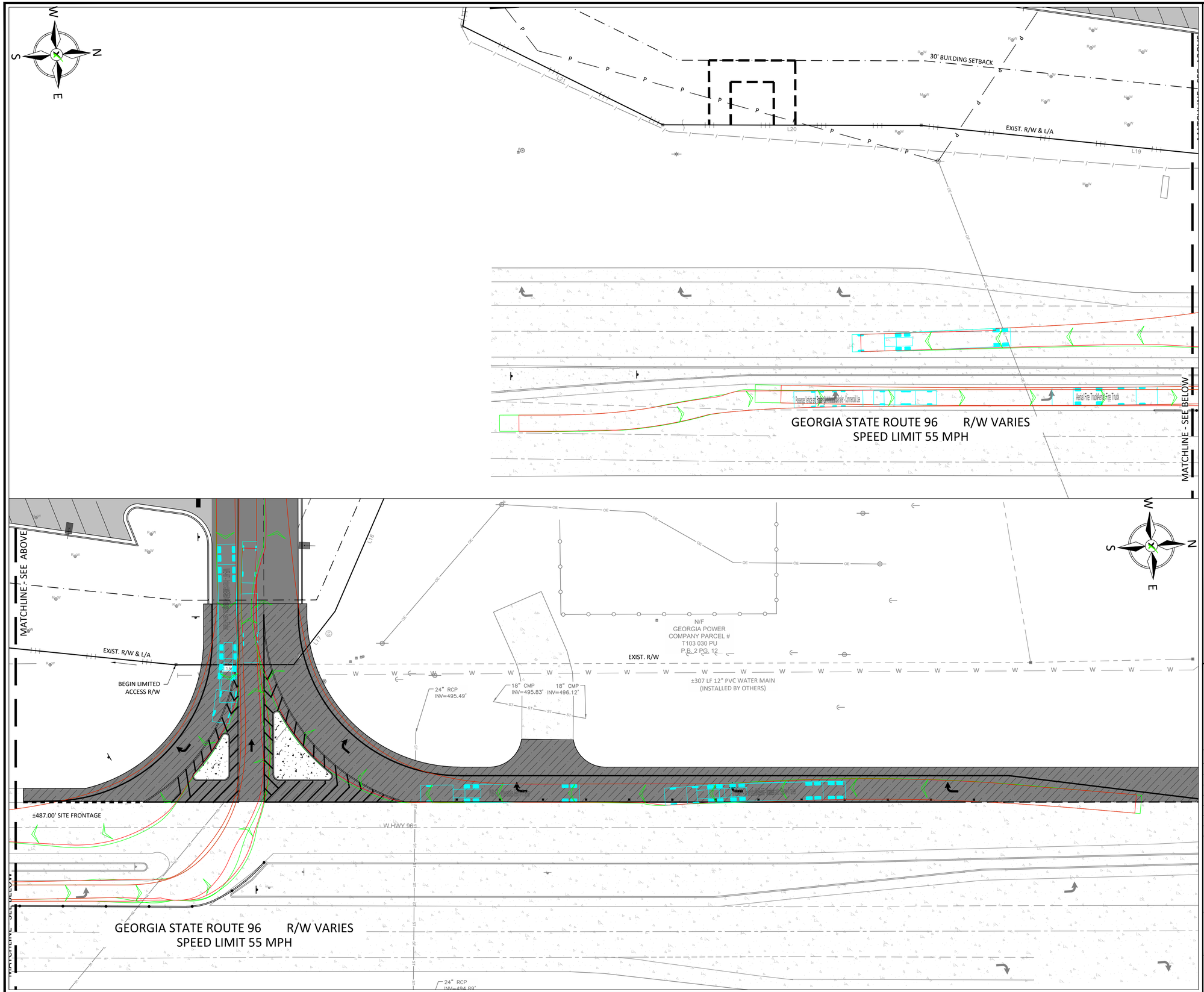
PROJECT NO. 25-25019
DATE: 11/03/2025
DRAWN BY: AF
CHECK BY: JM

STROUD AND COMPANY

SCALE: 20' 10' 0' 20'
GRAPHIC SCALE 1" = 20'

SHEET NO.
C10.4

GSWCC GEORGIA SOIL AND WATER CONSERVATION COMMISSION
Brian H. Braun
LEVEL II CERTIFIED DESIGN PROFESSIONAL
CERTIFICATION NUMBER: 0000007595
ISSUED: 02/26/2023 EXPIRES: 02/26/2026



AXIS
ENGINEERING CONSULTANTS
LEESBURG ★ VALDOSTA ★ WARNER ROBINS

GEORGIA
AXIS ENGINEERING CONSULTANTS
PEF009117
06/30/2026
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6	07/17/26	ISSUED FOR CONSTRUCTION

GEORGIA
REGISTERED
No. PE032671
PROFESSIONAL
07/15/2026
ENGINEER
BRYAN HILL BRAWN

DOT VEHICLE PATHS

TA TRAVEL CENTER JEFFERSONVILLE, GA

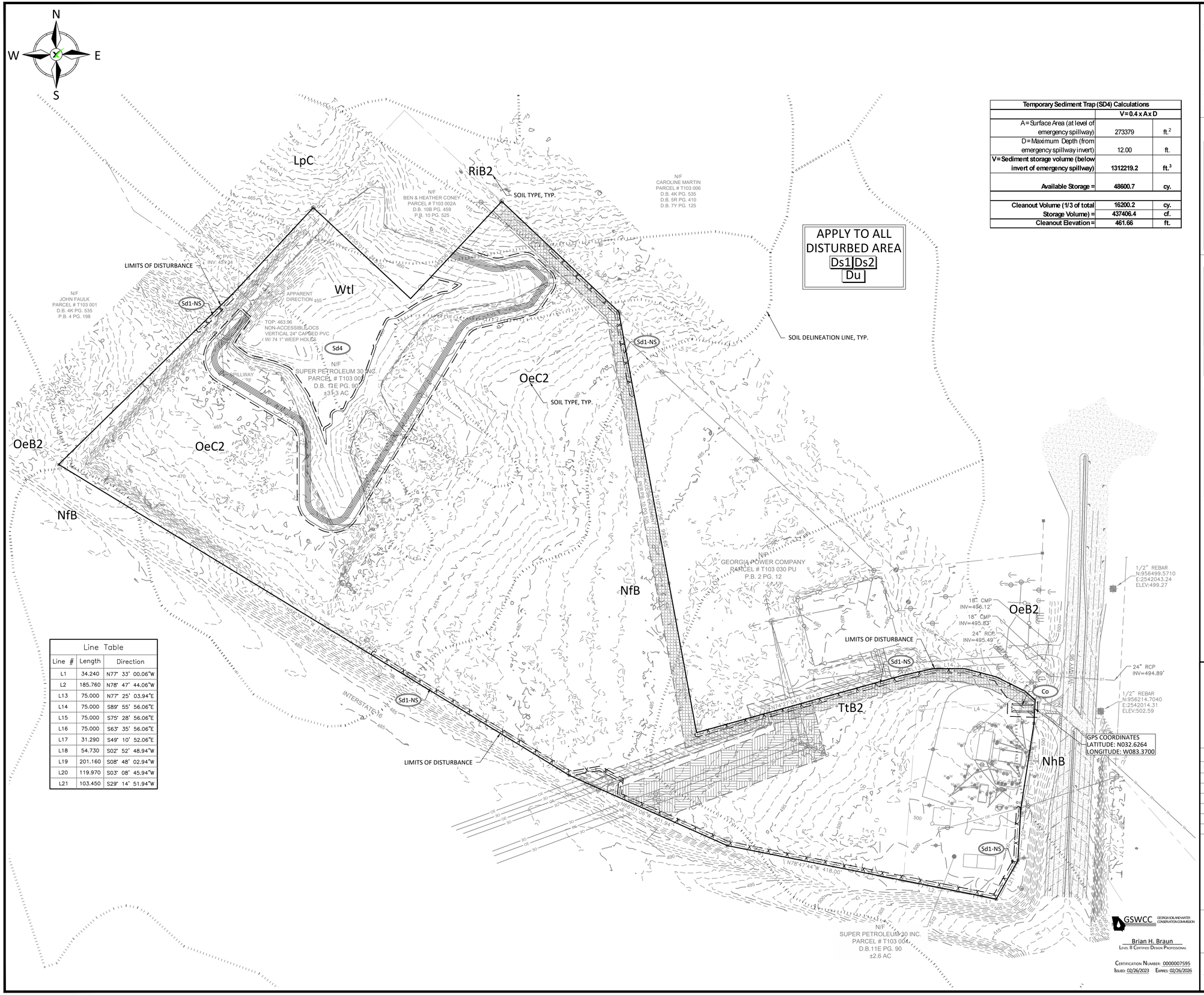
TWIGGS COUNTY, GA

PROJECT NO.	25-25019
DATE:	11/03/2025
DRAWN BY:	AF
CHECK BY:	JM

STROUD AND COMPANY

SCALE: 20' 10' 0' 20'
GRAPHIC SCALE 1" = 20'

SHEET NO.
C10.5



Line Table		
Line #	Length	Direction
L1	34.240	N77° 33' 00.06"W
L2	185.760	N78° 47' 44.06"W
L13	75.000	N77° 25' 03.94"E
L14	75.000	S89° 55' 56.06"E
L15	75.000	S75° 28' 56.06"E
L16	75.000	S63° 35' 56.06"E
L17	31.290	S49° 10' 52.06"E
L18	54.730	S02° 52' 48.94"W
L19	201.160	S08° 48' 02.94"W
L20	119.970	S03° 08' 45.94"W
L21	103.450	S29° 14' 51.94"W

Temporary Sediment Trap (SD4) Calculations		
	V= 0.4 x A x D	
A= Surface Area (at level of emergency spillway)	273379	ft.^{2}
D= Maximum Depth (from emergency spillway invert)	12.00	ft.
V= Sediment storage volume (below invert of emergency spillway)	1312219.2	ft.^{3}
Available Storage =	48600.7	cy.
Cleanout Volume (1/3 of total Storage Volume) =	16200.2	cy.
	437406.4	cf.
Cleanout Elevation =	461.66	ft.

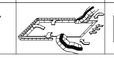
INITIAL EROSION & SEDIMENTATION CONTROL NOTES:

1. THE CONTRACTOR SHALL INSTALL ALL PERIMETER CONTROL BMPS AND CONSTRUCTION EXIT PRIOR TO ANY LAND DISTURBING ACTIVITIES.
2. THE CONTRACTOR SHALL PROVIDE DUST CONTROL FOR THE PROJECT AREA AS NEEDED BASED ON PROJECT CONDITIONS.
3. THE CONTRACTOR SHALL PERFORM DAILY INSPECTIONS / MAINTENANCE OF ALL EROSION CONTROL BMPS. SEDIMENT LADEN RUNOFF SHALL BE CONTAINED AND TREATED ON SITE.
4. THE TOTAL PROJECT AREA IS ±33.9 ACRES.
5. THE DISTURBED AREA FOR THE INITIAL PHASE IS 5.0 ACRES.

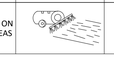
NRCS WEB SOIL SURVEY

SYMBOL	NAME	HYDROLOGIC SOIL GROUP	UNIFIED SOIL CLASSIFICATION	DEPTH
LpC	Cowarts	C	SC, SC-SM, SM, CL	0"- 65"
NfB	Cowarts	C	SC, SC-SM, SM, CL	0"- 65"
NhB	Dothan	B	SM, SC, SC-SM	0"- 65"
OeB2	Orangeburg	B	SC-SM, SC, CL	0" - 80"
OeC2	Orangeburg	B	SC-SM, SC, CL	0" - 80"
RiB2	Ruston	B	SM, CL, SC, SC-SM	0" - 64"
TtB2	Tifton	C	SC-SM, SM, CL, SC	0" - 85"
Wtl	Wet alluvial land	B/D	CL-ML, ML, SC-SM, SM	0" - 60"

STRUCTURAL PRACTICES

CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
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.
Sd4	TEMPORARY SEDIMENT TRAP			A small temporary pond that drains a disturbed area so that sediment can settle out. The principle feature distinguishing a temporary sediment trap from a temporary sediment basin is the lack of a pipe or riser.

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.
Du	DUST CONTROL ON DISTURBED AREAS		Du	Controlling surface and air movement of dust on construction site, roadways and similar sites.

SEDIMENT STORAGE CALCULATIONS:

REQUIRED SEDIMENT STORAGE:
67 CUBIC YARDS PER ACRE DRAINED = 67 CY/AC * 5.0 AC = 335.0 CY

PROVIDED SILT FENCE: 3,145 LF TYPE NS SILT FENCE

PROVIDED SEDIMENT STORAGE:
PROPOSED SEDIMENT STORAGE FROM POND A: 48,600.7 CY

THE REQUIRED SEDIMENT STORAGE FOR THE INITIAL PHASE IS 335.0 CY.
THE SEDIMENT STORAGE WILL BE PROVIDED BY THE PROPOSED Sd4 FOR THE INITIAL DISTURBANCE.

AXIS ENGINEERING CONSULTANTS
LEESBURG ★ VALDOSTA ★ WARNER ROBINS

GEORGIA — AXIS ENGINEERING CONSULTANTS PEF009117 06/30/2026 — CERTIFICATE OF AUTHORIZATION

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5	04/30/26	REVISIONS PER GDOT COMMENTS
6	07/17/26	ISSUED FOR CONSTRUCTION

GEORGIA — BRIAN HILL BRAUN — No. PE032671 PROFESSIONAL 07/15/2026 — ENGINEER

INITIAL EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN

TA TRAVEL CENTER JEFFERSONVILLE, GA

TWIGGS COUNTY, GA

GSWCC GEORGIA SOIL AND WATER CONSERVATION COMMISSION

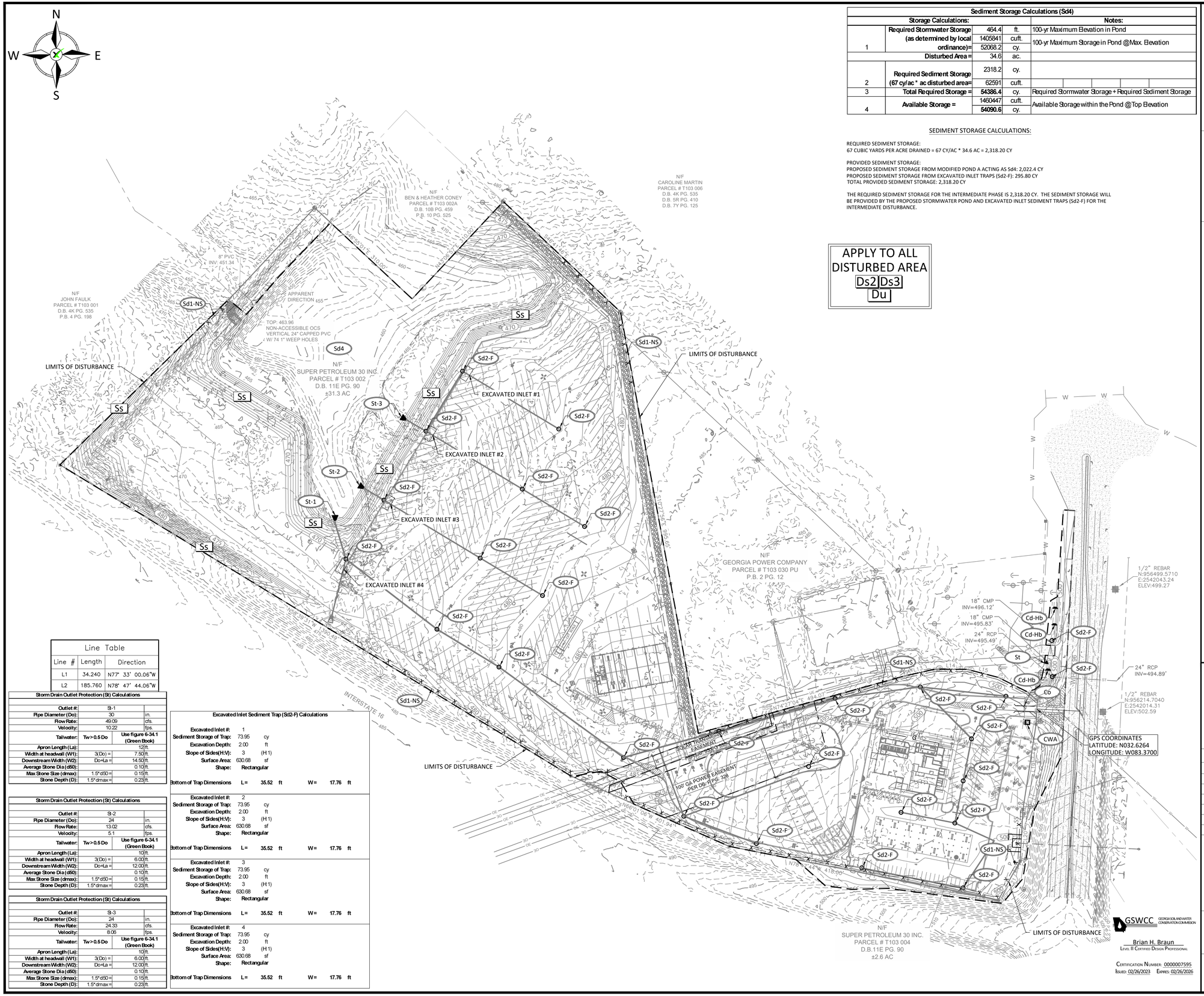
Brian H. Braun
LEVEL II CERTIFIED DESIGN PROFESSIONAL
CERTIFICATION NUMBER: 0000007595
ISSUED: 02/26/2023 EXPIRES: 02/26/2026

PROJECT NO.	25-25019
DATE:	11/03/2025
DRAWN BY:	AF
CHECK BY:	JM

STROUD AND COMPANY

SCALE: 100' 50' 0' 100'
GRAPHIC SCALE 1" = 100'

SHEET NO.
C11.0



Line Table		
Line #	Length	Direction
L1	34.240	N77° 33' 00.06"W
L2	185.760	N78° 47' 44.06"W

Storm Drain Outlet Protection (St) Calculations

Outlet #:	St-1	
Pipe Diameter (Do):	30	in.
Flow Rate:	49.09	cfs.
Velocity:	10.22	fps.
Tailwater: Tw > 0.5 Do	Use figure 6-34.1 (Green Book)	
Apron Length (La):	12	ft.
Width at headwall (W1):	3(Do) = 7.50	ft.
Downstream Width (W2):	Do+La = 14.50	ft.
Average Stone Dia (d50):	0.10	ft.
Max Stone Size (dmax):	1.5*d50 = 0.15	ft.
Stone Depth (D):	1.5*dmax = 0.23	ft.

Storm Drain Outlet Protection (St) Calculations

Outlet #:	St-2	
Pipe Diameter (Do):	24	in.
Flow Rate:	13.02	cfs.
Velocity:	5.1	fps.
Tailwater: Tw > 0.5 Do	Use figure 6-34.1 (Green Book)	
Apron Length (La):	10	ft.
Width at headwall (W1):	3(Do) = 6.00	ft.
Downstream Width (W2):	Do+La = 12.00	ft.
Average Stone Dia (d50):	0.10	ft.
Max Stone Size (dmax):	1.5*d50 = 0.15	ft.
Stone Depth (D):	1.5*dmax = 0.23	ft.

Storm Drain Outlet Protection (St) Calculations

Outlet #:	St-3	
Pipe Diameter (Do):	24	in.
Flow Rate:	24.33	cfs.
Velocity:	8.06	fps.
Tailwater: Tw > 0.5 Do	Use figure 6-34.1 (Green Book)	
Apron Length (La):	10	ft.
Width at headwall (W1):	3(Do) = 6.00	ft.
Downstream Width (W2):	Do+La = 12.00	ft.
Average Stone Dia (d50):	0.10	ft.
Max Stone Size (dmax):	1.5*d50 = 0.15	ft.
Stone Depth (D):	1.5*dmax = 0.23	ft.

Excavated Inlet Sediment Trap (St2-F) Calculations

Excavated Inlet #:	1					
Sediment Storage of Trap:	73.95	cy				
Excavation Depth:	2.00	ft				
Slope of Sides(H:V):	3	(H:1)				
Surface Area:	630.68	sf				
Shape:	Rectangular					
Bottom of Trap Dimensions	L=	35.52	ft	W=	17.76	ft

Excavated Inlet #:	2					
Sediment Storage of Trap:	73.95	cy				
Excavation Depth:	2.00	ft				
Slope of Sides(H:V):	3	(H:1)				
Surface Area:	630.68	sf				
Shape:	Rectangular					
Bottom of Trap Dimensions	L=	35.52	ft	W=	17.76	ft

Excavated Inlet #:	3					
Sediment Storage of Trap:	73.95	cy				
Excavation Depth:	2.00	ft				
Slope of Sides(H:V):	3	(H:1)				
Surface Area:	630.68	sf				
Shape:	Rectangular					
Bottom of Trap Dimensions	L=	35.52	ft	W=	17.76	ft

Excavated Inlet #:	4					
Sediment Storage of Trap:	73.95	cy				
Excavation Depth:	2.00	ft				
Slope of Sides(H:V):	3	(H:1)				
Surface Area:	630.68	sf				
Shape:	Rectangular					
Bottom of Trap Dimensions	L=	35.52	ft	W=	17.76	ft

Sediment Storage Calculations (Sd4)

	Storage Calculations:			Notes:
1	Required Stormwater Storage (as determined by local ordinance)=	464.4	ft.	100-yr Maximum Elevation in Pond
		140584.1	cuft.	100-yr Maximum Storage in Pond @Max. Elevation
		52068.2	cy.	
	Disturbed Area =	34.6	ac.	
2	Required Sediment Storage (67 cy/ac * ac disturbed area=	2318.2	cy.	
		62591	cuft.	
3	Total Required Storage =	54386.4	cy.	Required Stormwater Storage + Required Sediment Storage
4	Available Storage =	146044.7	cuft.	Available Storage within the Pond @Top Elevation
		54090.6	cy.	

SEDIMENT STORAGE CALCULATIONS:

REQUIRED SEDIMENT STORAGE:
67 CUBIC YARDS PER ACRE DRAINED = 67 CY/AC * 34.6 AC = 2,318.20 CY

PROVIDED SEDIMENT STORAGE:
PROPOSED SEDIMENT STORAGE FROM MODIFIED POND A ACTING AS Sd4: 2,022.4 CY
PROPOSED SEDIMENT STORAGE FROM EXCAVATED INLET TRAPS (Sd2-F): 295.80 CY
TOTAL PROVIDED SEDIMENT STORAGE: 2,318.20 CY

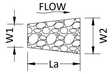
THE REQUIRED SEDIMENT STORAGE FOR THE INTERMEDIATE PHASE IS 2,318.20 CY. THE SEDIMENT STORAGE WILL BE PROVIDED BY THE PROPOSED STORMWATER POND AND EXCAVATED INLET SEDIMENT TRAPS (Sd2-F) FOR THE INTERMEDIATE DISTURBANCE.

APPLY TO ALL DISTURBED AREA
Ds2 Ds3
Du

INTERMEDIATE EROSION & SEDIMENTATION CONTROL NOTES:

1. FILTER FRAME INLET SEDIMENT TRAPS (Sd2-F) SHALL BE USED IN PLACE OF CURB INLET FILTERS (Sd2-P) UNTIL PAVEMENT IS COMPLETE.
2. CONTRACTOR SHALL INSTALL CONCRETE WASH AREA. CONCRETE WASH AREA SHALL BE USED FOR WASHDOWN OF TOOLS, CONCRETE MIXER CHUTES, HOPPERS AND REAR OF THE VEHICLES ONLY. WASHOUT OF THE DRUM AT THE CONSTRUCTION SITE IS PROHIBITED.
3. THE CONTRACTOR SHALL PROVIDE DUST CONTROL FOR THE PROJECT AREA AS NEEDED BASED ON PROJECT CONDITIONS.
4. THE CONTRACTOR SHALL PERFORM DAILY INSPECTIONS / MAINTENANCE OF ALL EROSION CONTROL BMPS. SEDIMENT LADEN RUNOFF SHALL BE CONTAINED AND TREATED ON SITE.
5. THE DISTURBED AREA FOR THE INTERMEDIATE PHASE IS ±34.6 ACRES.

OUTLET PROTECTION



NAME	Q (CFS)	V (FPS)	T.W.	W1 (FT)	La (FT)	W2 (FT.)	AVG. STONE DIA. (FT.)	STONE DEPTH (FT.)
St-1	49.09	10.22	>0.5Do	7.5	12	14.5	0.1	0.23
St-2	13.02	5.10	>0.5Do	6.0	10	12	0.1	0.23
St-3	24.33	8.06	>0.5Do	6.0	10	12	0.1	0.23
St-4	13.14	5.12	>0.5Do	6.0	10	12	0.1	0.23

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		Co	A crushed stone pad located at the construction site exit to provide a place for removing mud from tires thereby protecting public streets.
CWA	CONCRETE WASHOUT AREA		CWA	A washdown area for tools, concrete mixer chutes, hoppers and rear of vehicles.
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.
Sd4	TEMPORARY SEDIMENT TRAP			A small temporary pond that drains a disturbed area so that sediment can settle out. The principle feature distinguishing a temporary sediment trap from a temporary sediment basin is the lack of a pipe or riser.
St	STORMDRAIN OUTLET PROTECTION		St	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
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.
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.

AXIS ENGINEERING CONSULTANTS
LEESBURG ★ VALDOSTA ★ WARNER ROBINS

GEORGIA — AXIS ENGINEERING CONSULTANTS PEF009117 CERTIFICATE OF AUTHORIZATION 06/30/2026

REVISIONS

No.	DATE	DESCRIPTION
1	02/25/26	REVISIONS PER OWNER - VALUE ENGINEERING
2	04/02/26	REVISIONS PER GDOT COMMENTS
3	04/09/26	REVISIONS PER GTC COMMENTS
4	04/22/26	REVISIONS PER OWNER
5	04/30/26	REVISIONS PER GDOT COMMENTS
6	07/17/26	ISSUED FOR CONSTRUCTION

GEORGIA — REGISTERED PROFESSIONAL ENGINEER — No. PE032671 — 07/15/2026 — BRIAN HILL BRAUN

INTERMEDIATE EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN

TA TRAVEL CENTER JEFFERSONVILLE, GA

TWIGGS COUNTY, GA

GSWCC GEORGIA SOIL AND WATER CONSERVATION COMMISSION
Brian H. Braun
LEVEL II CERTIFIED DESIGN PROFESSIONAL
CERTIFICATION NUMBER: 0000007595
ISSUED: 02/26/2023 EXPIRES: 02/26/2026

PROJECT NO. 25-25019
DATE: 11/03/2025
DRAWN BY: AF
CHECK BY: JM

STROUD AND COMPANY

SCALE: 100' 50' 0' 100'
GRAPHIC SCALE 1" = 100'

SHEET NO.
C12.0

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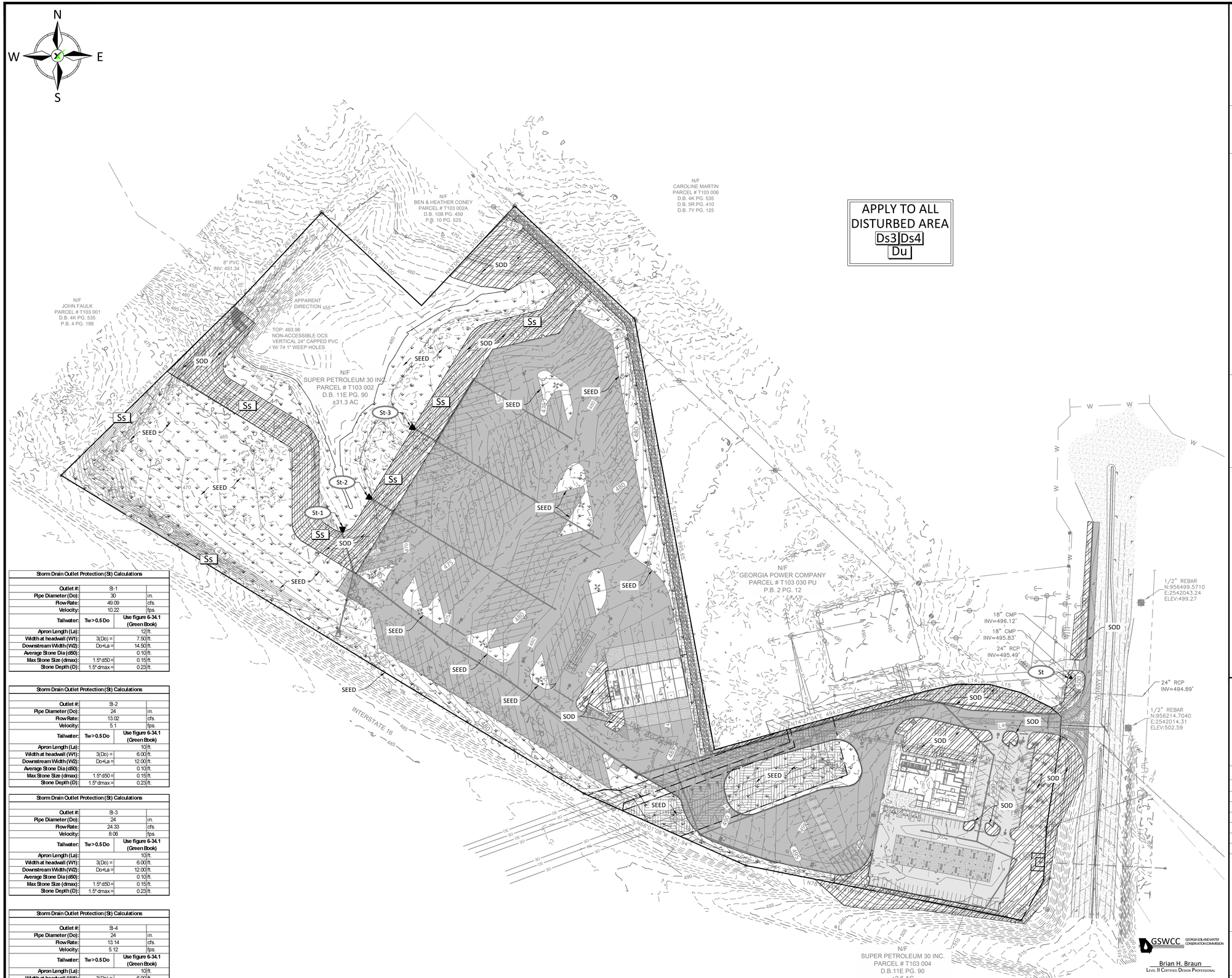


Storm Drain Outlet Protection (St) Calculations		
Outlet #:	St-1	
Pipe Diameter (Do):	30	in.
Flow Rate:	49.09	cfs.
Velocity:	10.22	fps.
Tailwater: Tw > 0.5 Do		Use figure 6-34.1 (Green Book)
Apron Length (La):	12	ft.
Width at headwall (W1):	3(Do) =	7.50 ft.
Downstream Width (W2):	Do+La =	14.50 ft.
Average Stone Dia (d50):		0.10 ft.
Max Stone Size (dmax):	1.5*d50 =	0.15 ft.
Stone Depth (D):	1.5*dmax =	0.23 ft.

Storm Drain Outlet Protection (St) Calculations		
Outlet #:	St-2	
Pipe Diameter (Do):	24	in.
Flow Rate:	13.02	cfs.
Velocity:	5.1	fps.
Tailwater: Tw > 0.5 Do		Use figure 6-34.1 (Green Book)
Apron Length (La):	10	ft.
Width at headwall (W1):	3(Do) =	6.00 ft.
Downstream Width (W2):	Do+La =	12.00 ft.
Average Stone Dia (d50):		0.10 ft.
Max Stone Size (dmax):	1.5*d50 =	0.15 ft.
Stone Depth (D):	1.5*dmax =	0.23 ft.

Storm Drain Outlet Protection (St) Calculations		
Outlet #:	St-3	
Pipe Diameter (Do):	24	in.
Flow Rate:	24.33	cfs.
Velocity:	8.06	fps.
Tailwater: Tw > 0.5 Do		Use figure 6-34.1 (Green Book)
Apron Length (La):	10	ft.
Width at headwall (W1):	3(Do) =	6.00 ft.
Downstream Width (W2):	Do+La =	12.00 ft.
Average Stone Dia (d50):		0.10 ft.
Max Stone Size (dmax):	1.5*d50 =	0.15 ft.
Stone Depth (D):	1.5*dmax =	0.23 ft.

Storm Drain Outlet Protection (St) Calculations		
Outlet #:	St-4	
Pipe Diameter (Do):	24	in.
Flow Rate:	13.14	cfs.
Velocity:	5.12	fps.
Tailwater: Tw > 0.5 Do		Use figure 6-34.1 (Green Book)
Apron Length (La):	10	ft.
Width at headwall (W1):	3(Do) =	6.00 ft.
Downstream Width (W2):	Do+La =	12.00 ft.
Average Stone Dia (d50):		0.10 ft.
Max Stone Size (dmax):	1.5*d50 =	0.15 ft.
Stone Depth (D):	1.5*dmax =	0.23 ft.

FINAL EROSION & SEDIMENTATION CONTROL NOTES:

1. THE CONTRACTOR SHALL INSTALL PERMANENT VEGETATIVE SEEDING / SODDING ON ALL DISTURBED AREAS. COORDINATE WITH LANDSCAPE PLAN FOR FINAL GROUND COVER.
2. THE CONTRACTOR SHALL REMOVE ALL TEMPORARY BMPS ONCE FINAL STABILIZATION HAS BEEN MET.
3. THE CONTRACTOR SHALL PERFORM DAILY INSPECTIONS / MAINTENANCE OF ALL EROSION CONTROL BMPS. SEDIMENT LADEN RUNOFF SHALL BE CONTAINED AND TREATED ON SITE.
4. THE DISTURBED AREA FOR THE FINAL PHASE IS 0.0 ACRES.

HATCH LEGEND:
SEE LANDSCAPE PLAN FOR FINAL EXACT GROUND COVER

Ds4 - SOD STABILIZATION

Ds3 - PERMANENT SEED STABILIZATION

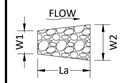
STRUCTURAL PRACTICES

CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
St	STORMDRAIN OUTLET PROTECTION		St	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
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.

OUTLET PROTECTION



NAME	Q (CFS)	V (FPS)	T.W.	W1 (FT)	La (FT)	W2 (FT.)	AVG. STONE DIA. (FT.)	STONE DEPTH (FT.)
St-1	49.05	10.21	>0.5Do	7.5	12	14.5	0.1	0.23
St-2	12.99	4.14	>0.5Do	6.0	10	12	0.1	0.23
St-3	24.33	8.06	>0.5Do	6.0	10	12	0.1	0.23

AXIS ENGINEERING CONSULTANTS
LEESBURG ★ VALDOSTA ★ WARNER ROBINS

GEORGIA — AXIS ENGINEERING CONSULTANTS PEF009117 06/30/2026 — CERTIFICATE OF AUTHORIZATION

REVISIONS

No.	DATE	DESCRIPTION
1	02/25/26	REVISIONS PER OWNER - VALUE ENGINEERING
2	04/02/26	REVISIONS PER GDOT COMMENTS
3	04/09/26	REVISIONS PER GTC COMMENTS
4	04/22/26	REVISIONS PER OWNER
5	04/30/26	REVISIONS PER GDOT COMMENTS
6	07/17/26	ISSUED FOR CONSTRUCTION

GEORGIA — REGISTERED No. PE032671 PROFESSIONAL 07/15/2026 ENGINEER — BRYAN HILL BRAUN

GSWCC GEORGIA SOIL AND WATER CONSERVATION COMMISSION
Brian H. Braun
LEVEL II CERTIFIED DESIGN PROFESSIONAL
CERTIFICATION NUMBER: 0000007595
ISSUED: 02/26/2023 EXPIRES: 02/26/2026

FINAL EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN

TA TRAVEL CENTER JEFFERSONVILLE, GA

TWIGGS COUNTY, GA

PROJECT NO. 25-25019
DATE: 11/03/2025
DRAWN BY: AF
CHECK BY: JM

STROUD AND COMPANY

SCALE: 100' 50' 0' 100'
GRAPHIC SCALE 1" = 100'

SHEET NO.
C13.0

(1)

EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST
STAND ALONE CONSTRUCTION PROJECTS GAR100001

SWCD: CENTRAL GEORGIA

Project Name: TA TRAVEL CENTER JEFFERSONVILLE, GA Address: 4838 HIGHWAY 96 WEST, JEFFERSONVILLE, GEORGIA 31044

Local Issuing Authority: TWIGGS COUNTY, GA Date on Plans: 11/03/2025

Name & Email of person filling out checklist: BRIAN H. BRAUN, P.E., bbraun@aeconllc.net

Plan Page #	Included Y/N		TO BE SHOWN ON ES&PC PLAN
C14.0	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. The completed Checklist must be submitted with the ES&PC Plan or the Plan will not be reviewed. Permit IV.D.1. pg 27
C11.0 - C14.1, C16.0 - C16.1	Y	2.	Level II certification number issued by the Commission, signature and seal of the certified design professional. Signature, seal and level II number must be on each sheet pertaining to ES&PC plan or the Plan will not be reviewed. The Level II certification must be issued to the Design Professional, after completion of a GSWCC approved course, and whose signature and seal are on the Plan.
N/A	N/A	3.	Limits of disturbance shall be less 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 the GAEPD approval letter and completed Appendix 1 of this checklist with at least 4 of the chosen BMPs. * A copy of the written approval by GAEPD must be attached to the Plan for the Plan to be reviewed. **Permit IV.D.3. pg 28**
C14.0	Y	4.	The name and phone number of the 24-hour contact responsible for erosion, sedimentation and pollution controls.
C14.0	Y	5.	Provide the name, address, email address, and phone number of Primary Permittee.
C14.0	Y	6.	Note total and disturbed acreages of the project or phase under construction.
C14.0	Y	7.	Provide the GPS location of the construction exit for the site. Give the Latitude and Longitude in decimal degrees.
C14.0	Y	8.	Initial date of the Plan and the dates of any revisions made to the Plan including the entity who requested the revisions.
C14.0	Y	9.	Descriptions of the nature of construction activity and existing site conditions.
C1.0	Y	10.	Provide vicinity map showing site's relation to surrounding areas. Include designation of specific phase, if necessary.
C14.0	Y	11.	Identify the project receiving waters and describe all sensitive adjacent areas including streams, lakes, residential areas, wetlands, marshlands, etc. which may be affected.
C14.0	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 20 of the permit.
C14.0	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 20 of the permit. *
C14.0	Y	14.	Clearly note the statement that "The design professional who prepared the ES&PC Plan is to inspect and certify the installation of the initial sediment storage requirements and perimeter control BMPs within 7 days after installation." *
C14.0	Y	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."
C14.0	Y	16.	Provide a description of any buffer encroachments and indicate whether a buffer variance is required.
C14.0	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." *
C14.0	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." *
C14.0	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."
C14.0	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."
C14.0	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 a Biota 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 of this checklist with at least 4 of the chosen 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 Biota 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. *
C14.0	Y	24.	BMPs for concrete washdown of tools, concrete mixer chutes, hoppers and the rear of the vehicles. Include statement that washout of the drum at the construction site is prohibited. *
C14.0	Y	25.	Provide BMPs for the remediation of all petroleum spills and leaks.
C14.0	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. *
C14.0	Y	27.	Description of practices to provide cover for building materials and building products on site. *
C14.0	Y	28.	Description of the practices that will be used to reduce the pollutants in storm water discharges. *
C14.0	Y	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, grading, infrastructure, temporary and final stabilization).
C14.1	Y	30.	Provide complete requirements of Inspections and record keeping by the Primary Permittee. *
C14.1	Y	31.	Provide complete requirements of Sampling Frequency and Reporting of sampling results. *
C14.1	Y	32.	Provide complete details for Retention of Records as per Part IV.F. of the permit. *
C14.1	Y	33.	Description of analytical methods to be used to collect and analyze the samples from each location. *
C14.0	Y	34.	Appendix B rationale for NTU values at all outfall sampling points where applicable. *
C11.0 - C14.0	Y	35.	Delineate all sampling locations on all phases of the Plan, and perennial and intermittent streams and other water bodies into which storm water is discharged. *
C11.0 - C13.0	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 sediment storage requirements and initial perimeter control BMPs, intermediate grading and drainage BMPs, and final BMPs are the same, the Plan may combine all BMPs into a single phase plan. *
C11.0 - C13.0	Y	37.	Graphic scale and North arrow.
C11.0 - C13.0	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). 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. 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 as required by the Local Issuing Authority. Clearly note and delineate all areas of impact.
N/A	N/A	42.	Delineation of all State Waters and wetlands located on or within 200 feet of the project site.
C8.0	Y	43.	Delineation and acreage of contributing drainage basins on the project site.
C8.0	Y	44.	Provide hydrology study and maps of drainage basins for both the pre- and post-developed conditions. *
C8.0	Y	45.	Estimate of the runoff coefficient or peak discharge flow of the site prior to and after construction activities are completed. For solar farm projects, post-construction impervious area shall be calculated as 70% of total solar panel square footage.
C11.0	Y	46.	Storm-drain pipe and weir velocities with appropriate outlet protection to accommodate discharges without erosion. Identify / Delineate at all storm water discharge points.
C11.0	Y	47.	Soil series for the project site and their delineation.
C11.0 - C13.0	Y	48.	The limits of disturbance for each phase of construction.
C11.0 - C13.0	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 must be included for structural BMPs and all calculations used by the design professional to obtain the required sediment storage 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.
C11.0 - C13.0	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.
C16.0 - C16.1	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.
C16.0 - C16.1	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 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, 2025

ES&PC CONTACTS

(4) 24-HOUR CONTACT	DON LEONARD
	(478) 743-5097
(5) PRIMARY PERMITTEE CONTACT	STROUD AND COMPANY
	P.O. BOX 4044, MACON, GEORGIA 31208
	(478) 743-5097
	DLEONARD@STROUDANDCOMPANY.COM

EROSION, SEDIMENTATION & POLLUTION CONTROL NOTES

(6)(7) 1. THE TOTAL AREA FOR THIS PROJECT IS ±33.9 ACRES, WITH A DISTURBED AREA OF ±34.6 ACRES. THE CONSTRUCTION EXIT IS LOCATED AT N032.6264°, W083.3700°

(9) 2. THE PROPOSED PROJECT AREA CONSIST OF OPEN AND WOODED AREAS WITH AN EXISTING GAS STATION AND ±4.87 ACRE POND. THE PROPOSED PROJECT INCLUDES THE CONSTRUCTION OF A ±16,047 SF TRAVEL CENTER WITH ±15,816 SF MAINTENANCE BUILDING WITH ASPHALT/CONCRETE DRIVES AND PARKING AREAS, PEDESTRIAN SIDEWALKS, UTILITY INFRASTRUCTURE IMPROVEMENTS, AND A STORMWATER MANAGEMENT SYSTEM.

(11) 3. THE PROPOSED DEVELOPMENT DRAINS TO SCUFFLE CREEK, A WARM WATER FISHERY. NO ADJACENT STREAMS, LAKES, RESIDENTIAL AREAS, WETLANDS, AND OR MARSHLANDS WILL BE NEGATIVELY AFFECTED BY THIS DEVELOPMENT.

(14) 4. THE DESIGN PROFESSIONAL WHO PREPARED THE ES&PC PLAN IS TO INSPECT AND CERTIFY THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROL BMPS WITHIN 7 DAYS AFTER INSTALLATION.

(15) 5. 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.

(16) 6. THE PROPOSED DEVELOPMENT DO NOT REQUIRE ANY BUFFER VARIANCES FROM THE GAEPD.

(17) 7. 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.

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

(19) 9. 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.

(20) 10. 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.

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

(22)(23) 12. THE PROPOSED DEVELOPMENT DOES NOT DISCHARGE ANY STORMWATER INTO AN IMPAIRED STREAM SECTION OR WITHIN 1-MILE UPSTREAM OF ANY IMPAIRED STREAM SEGMENT.

(24) 13. A CONCRETE WASHOUT AREA HAS BEEN PROVIDED ON THE ES&PC PLANS. WASHOUT OF TOOLS, MIXERS, HOPPERS, AND SHOOTS ARE ALLOWED ON SITE. WASHOUT OF THE DRUM ON SITE IS PROHIBITED.

(25) 14. ALL PETROLEUM PRODUCTS STORED ON SITE SHALL BE KEPT IN A SECURE AREA. PETROLEUM STORAGE AREAS AND OTHER HARMFUL PRODUCTS SHALL BE LOCATED AWAY FROM ALL ENVIRONMENTALLY SENSITIVE AREAS, DRAINAGE DITCHES, STORMWATER CONVEYANCES SYSTEMS, AND RESIDENTIAL AREAS. A SPILL CONTAINMENT SYSTEM SHALL BE INSTALLED AROUND ALL STORAGE AREAS. DAILY MONITORING OF STORAGE AREAS FOR SPILLS AND OR LEAKS SHALL BE CONDUCTED AND NOTED ON DAILY INSPECTIONS REPORTS. IF ANY PETROLEUM OR OTHER HARMFUL PRODUCT OF ANY PERCEIVABLE AMOUNT ENTERS STATE WATERS OR TRANSMITTED TO STATE WATERS THROUGH AN MEANS SHALL BE REPORTED TO THE ENVIRONMENTAL PROTECTION DIVISION EMERGENCY RESPONSE.

(26) 15. THE PROPOSED DEVELOPMENT INCLUDES BMPS (SILT FENCE, INLET PROTECTION, OUTLET PROTECTION, SEDIMENT STORAGE AREAS, ECT.) THAT WILL BE INSTALLED DURING THE CONSTRUCTION PROCESS TO CONTROL POLLUTANTS WITHIN THE STORMWATER RUNOFF. POST CONSTRUCTION POLLUTANT CONTROL SHALL BE PROVIDED BY STORMWATER MANAGEMENT PONDS WITH OUTLET CONTROL STRUCTURES, VEGETATIVE DRAINAGE SWALES, RIPRAP OUTLET PROTECTION, AND NATURAL DRAINAGE FEATURES THAT PROVIDE ATTENUATION AND OR SEDIMENT FILTRATION. THE POST CONSTRUCTION MEASURES WILL MAINTAIN THE NATURAL AND BIOLOGICAL CHARACTERISTICS OF THE EXISTING WATER COURSE.

(27) 16. ALL BUILDING MATERIALS AND BUILDING PRODUCTS STORED ON SITE SHALL BE COVERED BY PLASTIC SHEETING, TEMPORARY ROOFS, OR OTHER EQUIVALENT PRODUCT. BUILDING MATERIAL / PRODUCTS INCLUDE BUT ARE NOT LIMITED TO CONSTRUCTION WASTE, TRASH, LANDSCAPE MATERIAL, FERTILIZERS, PESTICIDES, HERBICIDES, DETERGENTS, AND SANITARY WASTE. BUILDING MATERIAL AND PRODUCTS SHALL BE STORED IN A WAY THE MINIMIZES EXPOSURE TO PERCEPTION AND STORMWATER.

(28) 17. STORMWATER POLLUTANTS FROM THE PROPOSED DEVELOPMENT INCLUDE SEDIMENT, FLOATING SOLIDS, PETROLEUM PRODUCTS, AND OTHER VARIOUS BUILDING MATERIALS / PRODUCTS. THE ES&PC PLAN PROVIDES VARIOUS BMPS (IE. CONSTRUCTION EXIT, SILT FENCE, INLET PROTECTION, DISTURBED AREA STABILIZATION, ECT.) TO CONTROL SEDIMENT AND OTHER FLOATING SOLIDS WITHIN THE STORMWATER RUNOFF. THE ES&PC PLAN ALSO PROVIDED SECURE STORAGE AREAS AND SPILL CONTAINMENT SYSTEMS FOR PETROLEUM OR OTHER HARMFUL PRODUCT AND COVERED STORAGE FOR OTHER VARIOUS BUILDING MATERIALS / PRODUCTS.

(39)(40) 18. NO ALTERNATIVE BMPS ARE PROPOSED FOR THIS PROJECT.

(41) 19. ALL STATE WATERS LOCATED ON AND WITHIN 200 FEET OF THE PROJECT SITE HAVE BEEN IDENTIFIED AND/OR DELINEATED AND WILL BE PROTECTED BY ASSOCIATED STATE AND COUNTY/CITY PROTECTION REGULATIONS AND BUFFERS. IT IS THE RESPONSIBILITY OF THE OWNER AND CONTRACTOR TO ENSURE THAT NO STATE WATER BUFFERS ARE ENCROACHED UPON.

(42) 20. ALL ON-SITE WETLANDS AND ALL STATE WATERS LOCATED ON AND WITHIN 200 FEET OF THE PROJECT SITE HAVE BEEN IDENTIFIED AND/ OR DELINEATED. THIS SITE CONTAINS WETLANDS AND STATE WATERS WHICH ARE PROTECTED BY ASSOCIATED STATE AND COUNTY/CITY PROTECTION REGULATIONS AND BUFFERS.

21. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL CONFORM WITH THE GUIDELINES OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL".

22. EROSION CONTROL AND TREE PROTECTION MEASURES SHALL BE INSTALLED PRIOR TO ANY OTHER CONSTRUCTION ACTIVITY AND MAINTAINED UNTIL PERMANENT GROUND COVER IS ESTABLISHED.

23. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED BY FIELD INSPECTOR.

(12)(13) ES&PC DESIGN CERTIFICATION

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.

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 STORM WATER OUTFALLS AND THAT THE DESIGNED SYSTEM OF BEST MANAGEMENT PRACTICES AND SAMPLING METHODS IS EXPECTED TO MEET THE REQUIREMENTS CONTAINED IN THE GENERAL NPDES PERMIT NO. GAR100001.

DESIGN PROFESSIONAL SIGNATURE 0000007595 GSWCC CERTIFICATION

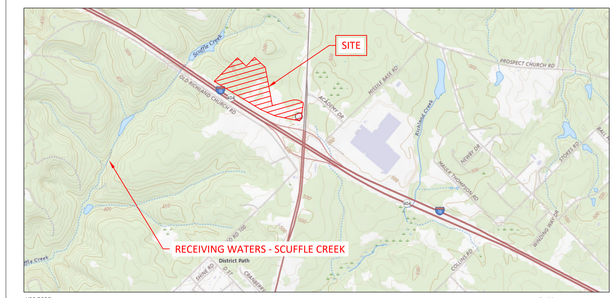
CONSTRUCTION START DATE 4/20/2026	(29) CONSTRUCTION TIME LINE / ACTIVITIES SCHEDULE					
CONSTRUCTION END DATE 10/23/2026						
ACTIVITY	MONTH 1	MONTH 2	MONTH 3	MONTH 4	MONTH 5	MONTH 6
INITIAL BMPS INSTALLATION & MAINTENANCE (Co, Sd1, Sd3, Sd4, Ds1, Ds2, Du, ect.)						
VEGETATION CLEARING AND GRUBBING						
INTERMEDIATE BMPS INSTALLATION & MAINTENANCE (Cd, Sd2, St, Rt, Sk, Ds2, Ds3, Du, ect.)						
ROUGH GRADING, STORMWATER & UTILITY INSTALLATION						
BUILDING CONSTRUCTION						
FINAL GRADING AND PAVEING						
FINAL BMPS INSTALLATION (Bf, Ss, Sb, Ds3, Ds4, ect.)						
PROJECT CLOSEOUT						
TEMPORARY BMP REMOVAL						

THE INITIAL PHASE OF CONSTRUCTION INCLUDES INSTALLATION OF PERIMETER CONTROL BMPS, CLEARING AND GRUBBING OF VEGETATION, AND PROJECT MOBILIZATION. THE INTERMEDIATE PHASE OF CONSTRUCTION INCLUDES THE INSTALLATION OF UTILITY INFRASTRUCTURE, STORMWATER CONVEYANCE SYSTEMS, STORMWATER MANAGEMENT SYSTEMS, ROUGH GRADING, BUILDING ERECTION, INLET & OUTLET PROTECTIONS, CHECKDAMS, RETOFITTINGS, SURFACE SKIMMERS, AND DISTURBED AREA STABILIZATION. THE FINAL PHASE OF CONSTRUCTION INCLUDES FINE GRADING, PAVING, LANDSCAPING, AND FINAL STABILIZATION. ONCE FINAL STABILIZATION IS ARCHIVED AND PROJECT CLOSEOUT IS COMPLETE ALL TEMPORARY BMPS SHALL BE REMOVED.

(34) APPENDIX B NEPHELOMETRIC TURBIDITY (NTU) TABLES

WATERS SUPPORTING WARM WATER FISHERIES

SITE SIZE, ACRES	SURFACE WATER DRAINAGE AREA, SQUARE MILES							
	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



USGS MAP (35)

AXIS ENGINEERING CONSULTANTS
LEESBURG ★ VALDOSTA ★ WARNER ROBINS

GEORGIA AXIS ENGINEERING CONSULTANTS PEF009117 06/30/2026 CERTIFICATE OF AUTHORIZATION

GEORGIA REGISTERED No. PE032671 PROFESSIONAL 07/15/2026 ENGINEER BRIAN HILL BRAUN

(8) REVISIONS

No.	DATE	DESCRIPTION
1	02/25/26	REVISIONS PER OWNER - VALUE ENGINEERING
2	04/02/26	REVISIONS PER GDOT COMMENTS
3	04/09/26	REVISIONS PER GTC COMMENTS
4	04/22/26	REVISIONS PER OWNER
5	04/30/26	REVISIONS PER GDOT COMMENTS
6	07/17/26	ISSUED FOR CONSTRUCTION

GSWCC GEORGIA SOIL AND WATER CONSERVATION COMMISSION

Brian H. Braun
LEVEL II CERTIFIED DESIGN PROFESSIONAL

CERTIFICATION NUMBER: 0000007595
ISSUED: 02/26/2023 EXPIRES: 02/26/2026
(2)

EROSION, SEDIMENTATION & POLLUTION CONTROL NOTES

TA TRAVEL CENTER JEFFERSONVILLE, GA

(8)

TWIGGS COUNTY, GA

PROJECT NO. 25-25019
DATE: 11/03/2025
DRAWN BY: AF
CHECK BY: JM

STROUD AND COMPANY

SCALE: NOT TO SCALE

SHEET NO. C14.0

Z:\Shared\AEC\Projects\2025\25-25019 Stroud - TA Travel Center Jeffersonville, GA\DWG\25-25019_A01.dwg - 7/17/2026 8:45 AM

EROSION, SEDIMENTATION & POLLUTION CONTROL PERMIT NOTES

30 4. Inspections. [Part IV.D.4.a]

a. Permittee requirements.

(1). Each day when any type of construction activity has taken place at a Primary Permittee's site, certified personnel provided by the Primary Permittee shall inspect: (a) all areas at the Primary Permittee's site where petroleum products are stored, used, or handled for spills and leaks from vehicles and equipment and (b) all locations at the Primary Permittee's site where vehicles enter or exit the site for evidence of off-site sediment tracking. These inspections must be conducted until a Notice of Termination is submitted.

(2). Measure and record rainfall within disturbed areas of the site that have not met final stabilization once every 24 hours except any non-working Saturday, non-working Sunday and non-working Federal holiday. The data collected for the purpose of compliance with this permit shall be representative of the monitored activity. Measurement of rainfall may be suspended if all areas of the site have undergone final stabilization or established a crop of annual vegetation and a seeding of target perennials appropriate for the region.

(3). Certified personnel (provided by the Primary Permittee) shall inspect the following at least once every seven (7) calendar days: (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. Certified personnel shall also conduct inspections within 24 hours of the end of a storm that is 0.5 inches rainfall or greater (unless such storm ends after 5:00 PM on any Friday or on any non-working Saturday, non-working Sunday or any non-working Federal holiday in which case the inspection shall be completed by the end of the next business day and/or working day, whichever occurs first). Post-rain inspections will reset the 7-day inspection frequency requirement. Where discharge locations or points are accessible, they shall be inspected to ascertain whether erosion control measures are effective in preventing significant impacts to receiving water(s). For areas of a site that have undergone final stabilization or established a crop of annual vegetation and a seeding of target perennials appropriate for the region, the permittee must comply with Part IV.D.4.a.(4). These inspections must be conducted until a Notice of Termination is submitted.

(4). Certified personnel (provided by the Primary Permittee) shall inspect at least once per month during the term of this permit (i.e., until a Notice of Termination has been submitted) the areas of the site that have undergone final stabilization or established a crop of annual vegetation and a seeding of target perennials appropriate for the region. These areas shall be inspected for evidence of, or the potential for, pollutants entering the drainage system and the receiving water(s). Erosion and sediment control measures identified in the Plan shall be observed to ensure that they are operating correctly. Where discharge locations or points are accessible, they shall be inspected to ascertain whether erosion control measures are effective in preventing significant impacts to receiving water(s).

(5). Based on the results of each inspection, the site description and the pollution prevention and control measures identified in the Erosion, Sedimentation and Pollution Control Plan, the Plan shall be revised as appropriate not later than seven (7) calendar days following each inspection. Implementation of such changes shall be made as soon as practical but in no case later than seven (7) calendar days following each inspection.

(6). A report of each inspection that includes the name(s) of certified personnel making each inspection, the date(s) of each inspection, construction phase (i.e., initial, intermediate or final), major observations relating to the implementation of the Erosion, Sedimentation and Pollution Control Plan, and actions taken in accordance with Part IV.D.4.a.(5). of the permit shall be made and retained at the site or be readily available at a designated alternate location until the entire site or that portion of a construction site that has been phased has undergone final stabilization and a Notice of Termination is submitted to EPD. Such reports shall be readily available by end of the second business day and/or working day and shall identify all incidents of best management practices that have not been properly installed and/or maintained as described in the Plan. Where the report does not identify any incidents, the inspection report shall contain a certification that the best management practices are in compliance with the Erosion, Sedimentation and Pollution Control Plan. The report shall be signed in accordance with Part V.G.2. of this permit.

31 d. Sampling Frequency. [Part IV.D.6.d]

(1). The Primary Permittee must sample in accordance with the Plan at least once for each rainfall event described below. For a qualifying event, the permittee shall sample at the beginning of any stormwater discharge to a monitored receiving water and/or from a monitored outfall location within in forty-five (45) minutes or as soon as possible.

(2). However, where manual and automatic sampling are impossible (as defined in this permit), or are beyond the permittee's control, the permittee shall take samples as soon as possible, but in no case more than twelve (12) hours after the beginning of the stormwater discharge.

(3). Sampling by the permittee shall occur for the following qualifying events:

(a). For each area of the site that discharges to a receiving water or from an outfall, the first rain event that reaches or exceeds 0.5 inch with a stormwater discharge that occurs during normal business hours after all clearing and grubbing operations have been completed, but prior to completion of mass grading operations, in the drainage area of the location selected as the sampling location;

(b). In addition to (a) above, for each area of the site that discharges to a receiving water or from an outfall, the first rain event that reaches or exceeds 0.5 inch with a stormwater discharge that occurs during normal business hours either 90 days after the first sampling event or after all mass grading operations have been completed, but prior to submittal of a NOT, in the drainage area of the location selected as the sampling location, whichever comes first;

(c). At the time of sampling performed pursuant to (a) and (b) above, if BMPs in any area of the site that discharges to a receiving water or from an outfall are not properly designed, installed and maintained, corrective action shall be defined and implemented within two (2) business days, and turbidity samples shall be taken from discharges from that area of the site for each subsequent rain event that reaches or exceeds 0.5 inch during normal business hours* until the selected turbidity standard is attained, or until post-rain event inspections determine that BMPs are properly designed, installed and maintained;

(d). Where sampling pursuant to (a), (b) or (c) above is required but not possible (or not required because there was no discharge), the permittee, in accordance with Part IV.D.4.a.(6), must include a written justification in the inspection report of why sampling was not performed. Providing this justification does not relieve the permittee of any subsequent sampling obligations under (a), (b) or (c) above; and

(e). Existing construction activities, i.e., those that are occurring on or before the effective date of this permit, that have met the sampling required by (a) above shall sample in accordance with (b). Those existing construction activities that have met the sampling required by (b) above shall not be required to conduct additional sampling other than as required by (c) above.

*Note that the permittee may choose to meet the requirements of (a) and (b) above by collecting turbidity samples from any rain event that reaches or exceeds 0.5 inch and allows for sampling at any time of the day or week.

E. Reporting. [Part IV.E]

1. The applicable permittees are required to submit the sampling results to the EPD at the address shown in Part II.C. by the fifteenth day of the month following the reporting period. Reporting periods are months during which samples are taken in accordance with this permit. Sampling results shall be in a clearly legible format. Upon written notification, EPD may require the applicable permittee to submit the sampling results on a more frequent basis. Sampling and analysis of any stormwater discharge(s) or the receiving water(s) beyond the minimum frequency stated in this permit must be reported in a similar manner to the EPD. The sampling reports must be signed in accordance with Part V.G.2. Sampling reports must be submitted to EPD using the electronic submittal service provided by EPD. Sampling reports must be submitted to EPD until such time as a NOT is submitted in accordance with Part VI.

2. All sampling reports shall include the following information:

a. The rainfall amount, date, exact place and time of sampling or measurements;
b. The name(s) of the certified personnel who performed the sampling and measurements;
c. The date(s) analyses were performed;
d. The time(s) analyses were initiated;
e. The name(s) of the certified personnel who performed the analyses;
f. References and written procedures, when available, for the analytical techniques or methods used;
g. The results of such analyses, including the bench sheets, instrument readouts, computer disks or tapes, etc., used to determine these results;
h. Results which exceed 1000 NTU shall be reported as "exceeds 1000 NTU;" and
i. Certification statement that sampling was conducted as per the Plan.

3. All written correspondence required by this permit shall be submitted by return receipt certified mail (or similar service) to the appropriate EPD District Office or delivery receipt email to the appropriate EPD District Office resource mailbox 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.

32 F. Retention of Records. [Part IV.F]

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. 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.

33 Sampling Requirements

This permit requires the monitoring of nephelometric turbidity in receiving water(s) or outfalls in accordance with this permit. This paragraph shall not apply to any land disturbance associated with the construction of single-family homes which are not part of a subdivision or planned common development unless five (5) acres or more will be disturbed. The following procedures constitute EPD's guidelines for sampling turbidity.

a. Sampling Requirements shall include the following:

(1). A USGS topographic map, a topographic map or a drawing (referred to as a topographic map) that is a scale equal to or more detailed than a 1:24000 map showing the location of the site or the stand alone construction; (a) the location of all perennial and intermittent streams and other water bodies as shown on a USGS topographic map, and all other perennial and intermittent streams and other water bodies located during mandatory field verification, into which the stormwater is discharged and (b) the receiving water and/or outfall sampling locations. When the permittee has chosen to use a USGS topographic map and the receiving water(s) is not shown on the USGS topographic map, the location of the receiving water(s) must be hand-drawn on the USGS topographic map from where the stormwater(s) enters the receiving water(s) to the point where the receiving water(s) combines with the first blue line stream shown on the USGS topographic map;

(2). A written narrative of site specific analytical methods used to collect, handle and analyze the samples including quality control/quality assurance procedures. This narrative must include precise sampling methodology for each sampling location;

(3). When the permittee has determined that some or all outfalls will be sampled, a rationale must be included on the Plan for the NTU limit(s) selected from Appendix B. This rationale must include the size of the construction site, the calculation of the size of the surface water drainage area, and the type of receiving water(s) (i.e., trout stream or supporting warm water fisheries); and

(4). Any additional information EPD determines necessary to be part of the Plan. EPD will provide written notice to the permittee of the information necessary and the timeline for submittal.

b. Sample Type. All sampling shall be collected by "grab samples" and the analysis of these samples must be conducted in accordance with methodology and test procedures established by 40 CFR Part 136 (unless other test procedures have been approved); the guidance document titled "NPDES Storm Water Sampling Guidance Document, EPA 833-B-92-001" and guidance documents that may be prepared by the EPD.

(1). Sample containers should be labeled prior to collecting the samples.

(2). Samples should be well mixed before transferring to a secondary container.

(3). Large mouth, well cleaned and rinsed glass or plastic jars should be used for collecting samples. The jars should be cleaned thoroughly to avoid contamination.

(4). Manual, automatic or rising stage sampling may be utilized. Samples required by this permit should be analyzed immediately, but in no case later than 48 hours after collection. However, samples from automatic samplers must be collected no later than the next business day after their accumulation, unless flow through automated analysis is utilized. If automatic sampling is utilized and the automatic sampler is not activated during the qualifying event, the permittee must utilize manual sampling or rising stage sampling during the next qualifying event. Dilution of samples is not required. Samples may be analyzed directly with a properly calibrated turbidimeter. Samples are not required to be cooled.

(5). Sampling and analysis of the receiving water(s) or outfalls beyond the minimum frequency stated in this permit must be reported to EPD as specified in Part IV.E.

c. Sampling Points.

(1). For construction activities the Primary Permittee must sample all receiving water(s), or all outfall(s), or a combination of receiving water(s) and outfall(s). Sampling points shall be located on applicable pages of the Initial, Intermediate, and Final phase of the Erosion, Sedimentation and Pollution Control Plans. Samples taken for the purpose of compliance with this permit shall be representative of the monitored activity and representative of the water quality of the receiving water(s) and/or the stormwater outfalls using the following minimum guidelines:

(a). The upstream sample for each receiving water(s) must be taken immediately upstream of the confluence of the first stormwater discharge from the permitted activity (i.e., the discharge farthest upstream at the site) but downstream of any other stormwater discharges not associated with the permitted activity. Where appropriate, several upstream samples from across the receiving water(s) may need to be taken and the arithmetic average of the turbidity of these samples used for the upstream turbidity value.

(b). The downstream sample for each receiving water(s) must be taken downstream of the confluence of the last stormwater discharge from the permitted activity (i.e., the discharge farthest downstream at the site) but upstream of any other stormwater discharge not associated with the permitted activity. Where appropriate, several downstream samples from across the receiving water(s) may need to be taken and the arithmetic average of the turbidity of these samples used for the downstream turbidity value.

(c). Ideally the samples should be taken from the horizontal and vertical center of the receiving water(s) or the stormwater outfall channel(s).

(d). Care should be taken to avoid stirring the bottom sediments in the receiving water(s) or in the outfall stormwater channel.

(e). The sampling container should be held so that the opening faces upstream.

(f). The samples should be kept free from floating debris.

(g). Permittees do not have to sample sheet flow that flows onto undisturbed natural areas or areas stabilized by the project. For purposes of this section, stabilized shall mean, for unpaved areas and areas not covered by permanent structures and areas located outside the waste disposal limits of a landfill cell that has been certified by EPD for waste disposal, 100% of the soil surface is uniformly covered in permanent vegetation with a density of 70% or greater, or landscaped according to the Plan (uniformly covered with landscaping materials in planned landscaped areas), or equivalent permanent stabilization measures as defined in the Manual (excluding a crop of annual vegetation and a seeding of target crop perennials appropriate for the region).

(h). All sampling pursuant to this permit must be done in such a way (including generally accepted sampling methods, locations, timing, and frequency) as to accurately reflect whether stormwater runoff from the construction site is in compliance with the standard set forth in Parts III.D.4. or III.D.5., whichever is applicable.

GSWCC GEORGIA SOIL AND WATER CONSERVATION COMMISSION

Brian H. Braun
LEVEL II CERTIFIED DESIGN PROFESSIONAL

CERTIFICATION NUMBER: 0000007595
ISSUED: 02/26/2023 EXPIRES: 02/26/2026

AXIS ENGINEERING CONSULTANTS
LEESBURG ★ VALDOSTA ★ WARNER ROBINS

GEORGIA CERTIFICATE OF AUTHORIZATION
AXIS ENGINEERING CONSULTANTS
PEF009117
06/30/2026

REVISIONS

No.	DATE	DESCRIPTION
1	02/25/26	REVISIONS PER OWNER - VALUE ENGINEERING
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4	04/22/26	REVISIONS PER OWNER
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6	07/17/26	ISSUED FOR CONSTRUCTION

GEORGIA REGISTERED
No. PE032671
PROFESSIONAL
07/15/2026
ENGINEER
BRIAN HILL BRAUN

EROSION, SEDIMENTATION & POLLUTION CONTROL NOTES

TA TRAVEL CENTER JEFFERSONVILLE, GA

TWIGGS COUNTY, GA

PROJECT NO. 25-25019
DATE: 11/03/2025
DRAWN BY: AF
CHECK BY: JM

STROUD AND COMPANY

SCALE: NOT TO SCALE

SHEET NO. C14.1

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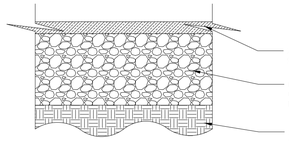
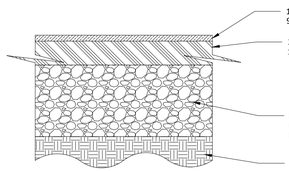


STANDARD DUTY ASPHALT DETAIL



HEAVY DUTY ASPHALT DETAIL

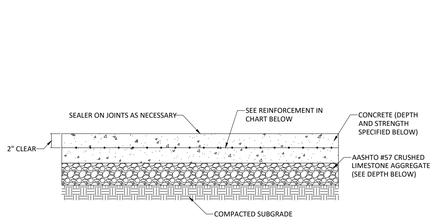
NOTES:

1) THE GRADED AGGREGATE BASE SHOULD BE COMPACTED TO A MINIMUM OF 98% OF THE MATERIAL'S MODIFIED PROCTOR (ASTM D-1557, METHOD C) MAXIMUM CRY DENSITY.

2) WHERE BASE COURSE THICKNESS EXCEEDS 6 INCHES, THE MATERIAL SHOULD BE PLACED AND COMPACTED IN TWO OR MORE LIFTS OF EQUAL THICKNESS.

3) ASPHALT CONCRETE AGGREGATES AND BASE COURSE MATERIALS SHOULD CONFORM TO THE GEORGIA DEPARTMENT OF TRANSPORTATION (GDOT) "STANDARD SPECIFICATIONS FOR CONSTRUCTION OF TRANSPORTATION SYSTEM".

ASPHALT PAVEMENT DETAIL
NOT TO SCALE

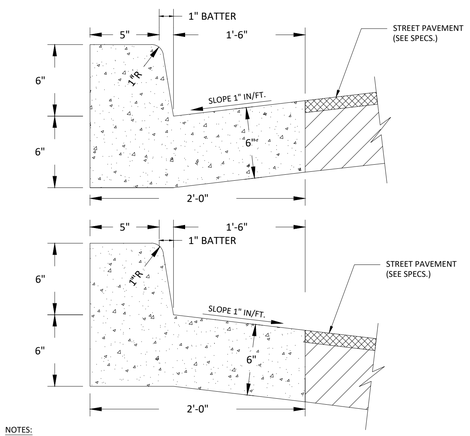


NOTES:

1. CONTRACTOR SHALL PLACE CONTROL JOINTS AT INTERVALS EQUAL TO THE PAVEMENT WIDTH NOT TO EXCEED 12'.
2. EXPANSION JOINTS SHALL BE INSTALLED AT 50' MAXIMUM INTERVALS.
3. CURING SHALL BE BY ABSORPTIVE COVER, MOISTURE-RETAINING COVER, OR APPROVED CURING COMPOUND.

RIGID PAVEMENT SPECIFICATIONS				
PAVEMENT TYPE:	SUBGRADE COMPACTION:	AGGREGATE DEPTH:	REINFORCEMENT:	CONCRETE DEPTH / STRENGTH:
GDOT	95% MODIFIED PROCTOR	8 IN.	6X6 WIRE OR FIBER MESH	6 IN. @ 4,000 PSI
STANDARD DUTY	95% MODIFIED PROCTOR	4 IN.	6X6 WIRE OR FIBER MESH	5 IN. @ 4,000 PSI
HEAVY DUTY	95% MODIFIED PROCTOR	6 IN.	6X6 WIRE OR FIBER MESH	6 IN. @ 4,000 PSI

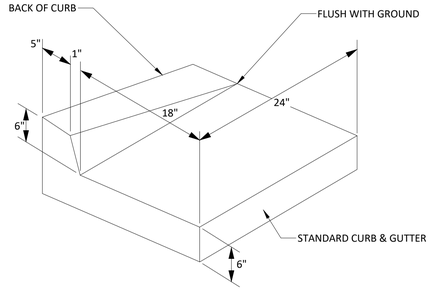
RIGID PAVEMENT DETAIL
NOT TO SCALE



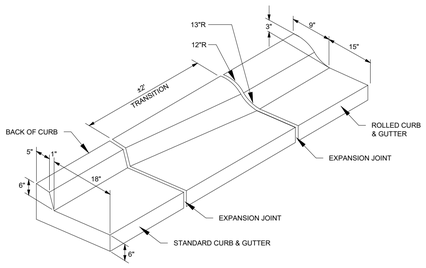
NOTES:

1) CONCRETE SHALL BE A MINIMUM OF 3,000 PSI COMPRESSIVE STRENGTH @ 28 DAYS.
2) BASE COMPACTION UNDER CURB TO BE 98% (ASTM D698).
3) CONSTRUCTION JOINTS TO BE SAW CUT NO LATER THAN 24 HOURS AFTER THE POUR.

24" STANDARD CURB AND GUTTER DETAIL
NOT TO SCALE



CURB TAPER DETAIL
NOT TO SCALE



CURB TRANSITION DETAIL
NOT TO SCALE

24" RAISED CURB & GUTTER (MIAMI)
NOT TO SCALE

INTEGRAL CURB & SIDEWALK DETAIL
NOT TO SCALE

NOTE:
SIGNAGE SHALL CONFORM TO ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES AND SPECIFICATIONS

HANDICAP PARKING SIGN ON BOLLARD DETAIL
NOT TO SCALE

BOLLARD DETAIL
NOT TO SCALE

NOTES
1. CONCRETE: 28 DAY COMPRESSIVE STRENGTH = 4,000 PSI
2. STEEL REINFORCEMENT: ASTM A-615, GRADE 60

WHEEL STOP DETAIL
NOT TO SCALE

NOTES:

1) STRIPING AND CONSTRUCTION SHALL CONFORM TO ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES AND SPECIFICATIONS

TYPICAL HANDICAP PARKING DETAIL
NOT TO SCALE

DUMPSTER ENCLOSURE GATE DETAIL
NOT TO SCALE

TYPICAL SECTION OF SIDEWALK

PLAN

NOTES:

1) SIDEWALK CONCRETE: MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 3,000 PSI.
2) SIDEWALK TO BE 4 INCHES THICK.

SIDEWALK DETAIL
NOT TO SCALE

NOTES:
1. CONCRETE SHALL BE A MINIMUM OF 3,000 PSI COMPRESSIVE STRENGTH @ 28 DAYS.
2. BASE COMPACTION UNDER CURB TO BE 98% (ASTM D698).
3. CONTRACTION JOINTS TO BE SAW CUT NO LATER THAN 24 HOURS AFTER THE POUR.

24" ROLLED CURB AND GUTTER DETAIL
NOT TO SCALE

AXIS ENGINEERING CONSULTANTS
LEESBURG ★ VALDOSTA ★ WARNER ROBINS

GEORGIA — AXIS ENGINEERING CONSULTANTS PEF009117 06/30/2026 — CERTIFICATE OF AUTHORIZATION

REVISIONS		
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6	07/17/26	ISSUED FOR CONSTRUCTION

GEORGIA — REGISTERED No. PE032671 PROFESSIONAL ENGINEER 07/15/2026 BRYAN HILL, BRYAN

CONSTRUCTION DETAILS

TA TRAVEL CENTER JEFFERSONVILLE, GA

TWIGGS COUNTY, GA

PROJECT NO. 25-25019
DATE: 11/03/2025
DRAWN BY: AF
CHECK BY: JM

STROUD AND COMPANY

SCALE: NOT TO SCALE

SHEET NO. C15.0

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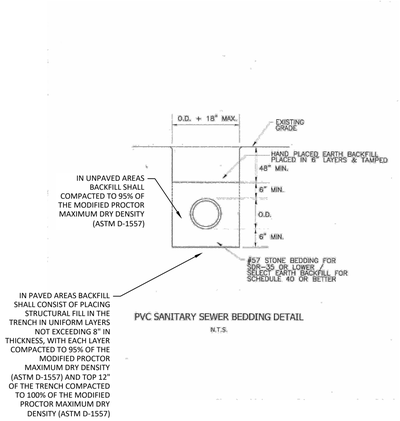
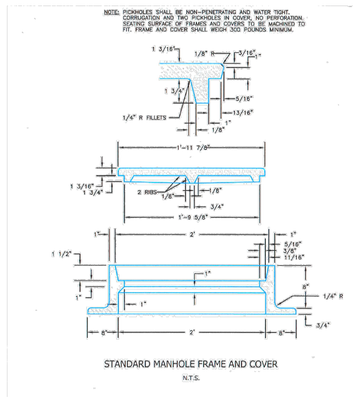


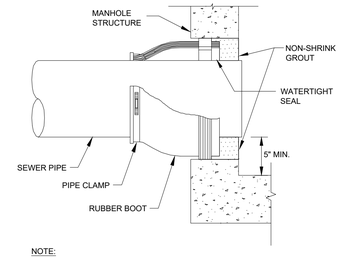
PVC SANITARY SEWER BEDDING DETAIL
N.T.S.

PVC SANITARY SEWER BEDDING DETAIL
NOT TO SCALE



STANDARD MANHOLE FRAME AND COVER
N.T.S.

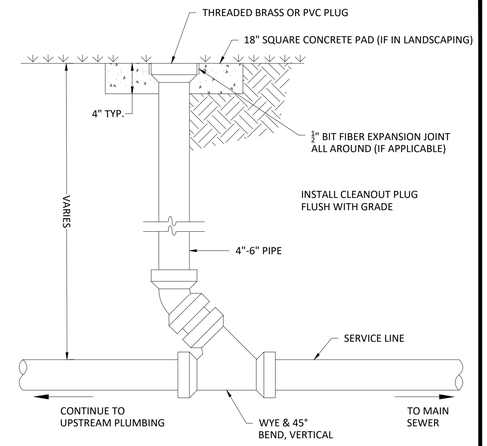
STANDARD MANHOLE FRAME AND COVER DETAIL
NOT TO SCALE



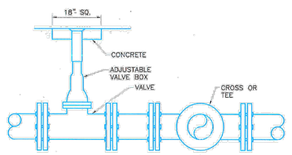
NOTE:

ALL PIPES SHALL BE CONNECTED TO MANHOLES BY RUBBER BOOT IN CORED OR PRECAST HOLES OF THE PROPER DIAMETER

RUBBER BOOT DETAIL
NOT TO SCALE

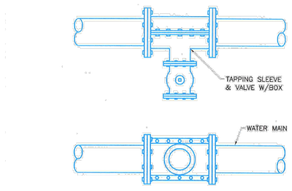


CLEAN OUT DETAIL
NOT TO SCALE



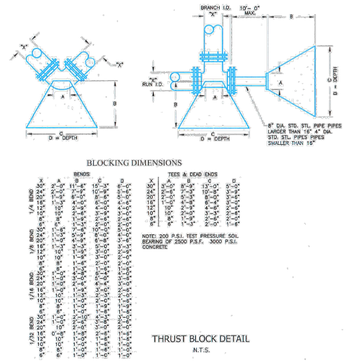
WATER VALVE SETTING
N.T.S.

WATER VALVE SETTING DETAIL
NOT TO SCALE



TAPPING SLEEVE & VALVE W/BOX
N.T.S.

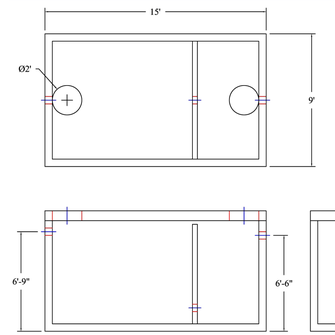
TAPPING SLEEVE & VALVE W/BOX DETAIL
NOT TO SCALE



THRUST BLOCK DETAIL
N.T.S.

THRUST BLOCK DETAIL
NOT TO SCALE

GREASE INTERCEPTOR
5,000 GALLON CAPACITY



MODEL: GI 5000 / 181

PRODUCT INFORMATION

5,000 GALLON GREASE INTERCEPTOR

BASE= 20,475 # RISER= 13,200 #
LID= 12,750 # BAFFLE= 2,675 #
DESIGN MAY VARY

SPECIFICATIONS

MEETS ASTM C 1613

RATING: A-16 (H-20), ASSUME 4' MAX EARTH COVER WITH 3' WATER TABLE BELOW GRADE

CONCRETE: 5,000 PSI @ 28 DAYS

STEEL REINFORCEMENT: MEETS ASTM A 615, PLACEMENT AS REQUIRED BY DESIGN

INLET & OUTLET BOOT MEETS ASTM C 923, ACCEPTS 4" & 6" PVC

BUTYL SEALANT: MEETS ASTM C 900, USED ON JOINTS

ACCESS OPENING SUITABLE FOR 24" RISER AND/OR RING & COVER

INTERNAL PIPING BY OTHERS PER MUNICIPAL SPECS

MODIFICATION TO THIS DESIGN AVAILABLE UPON REQUEST

CALL FOR ADDITIONAL SPECS

NPCA CERTIFIED PLANT

DRAWING INFORMATION

Drawn By: JJG
Checked By: CBC
Revision: 1
Date: 9/9/11

APPROVED BY:

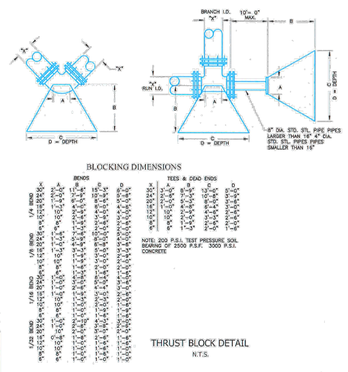
print: _____

sign: _____

*actual dimensions may vary slightly

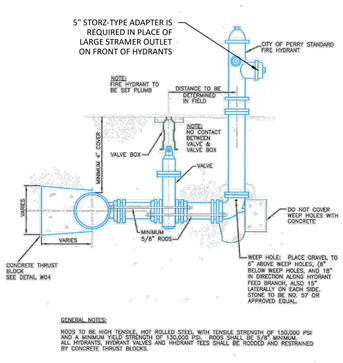
BARTOW PRECAST
770.382.4462
sales@bartowprecast.com
WWW.BARTOWPRECAST.COM

5,000 GALLON GREASE INTERCEPTOR DETAIL
NOT TO SCALE



THRUST BLOCK DETAIL
N.T.S.

THRUST BLOCK DETAIL
NOT TO SCALE



FIRE HYDRANT ASSEMBLY
N.T.S.

FIRE HYDRANT ASSEMBLY DETAIL
NOT TO SCALE

AXIS ENGINEERING CONSULTANTS
LEESBURG ★ VALDOSTA ★ WARNER ROBINS

GEORGIA — AXIS ENGINEERING CONSULTANTS PEF009117 06/30/2026 — CERTIFICATE OF AUTHORIZATION

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6	07/17/26	ISSUED FOR CONSTRUCTION

GEORGIA — REGISTERED — No. PE032671 PROFESSIONAL — 07/15/2026 — ENGINEER — BRIAN HILL BRAUN

CONSTRUCTION DETAILS

TA TRAVEL CENTER JEFFERSONVILLE, GA

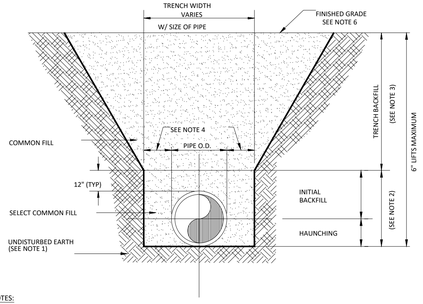
TWIGGS COUNTY, GA

PROJECT NO. 25-25019
DATE: 11/03/2025
DRAWN BY: AF
CHECK BY: JM

STROUD AND COMPANY

SCALE: NOT TO SCALE

SHEET NO. C15.1



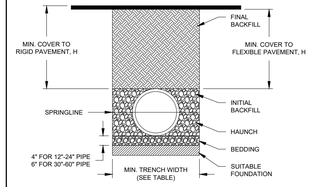
NOTES:

1. THE BOTTOM OF THE TRENCH SHALL BE ACCURATELY GRADED TO PROVIDE UNIFORM BEARING AND SUPPORT FOR EACH SECTION OF PIPE ON UNDISTURBED SOIL AT EVERY POINT ALONG ITS ENTIRE LENGTH UNLESS UNSUITABLE SUBSOIL IS ENCOUNTERED AT THE NORMAL TRENCH SUBGRADE. IF SUCH MATERIAL IS ENCOUNTERED, THE CONTRACTOR SHALL REMOVE IT TO THE DEPTH DIRECTED BY THE ENGINEER OF RECORD IN THE FIELD AND BACKFILL WITH D.O.T. CLASS I, TYPE I AND II MATERIAL IN 4 INCH LAYERS.
2. INITIAL BACKFILL AND HAUNCHING: SELECT COMMON FILL COMPACTED TO 95% OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY (ASTM D-1557).
3. TRENCH BACKFILL: COMMON FILL COMPACTED TO 95% OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY (ASTM D-1557).
4. IN UNPAVED AREAS BACKFILL SHALL BE COMPACTED TO 95% OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY (ASTM D-1557).
5. IN PAVED AREAS BACKFILL SHALL CONSIST OF PLACING STRUCTURAL FILL IN THE TRENCH IN UNIFORM LAYERS NOT EXCEEDING 8" IN THICKNESS, WITH EACH LAYER COMPACTED TO 95% OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY (ASTM D-1557) AND TOP 12" OF THE TRENCH COMPACTED TO 100% OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY (ASTM D-1557)
6. 15" MAX. (12" MIN.) FOR PIPE DIAMETER LESS THAN 24" AND 24" MAX (12" MIN) FOR PIPE DIAMETER 24" AND LARGER.
7. FINAL RESTORATION IN IMPROVED AREAS SHALL BE IN COMPLIANCE WITH ALL APPLICABLE REGULATIONS OF GOVERNING AGENCIES. SURFACE RESTORATION WITHIN RIGHT-OF-WAY SHALL COMPLY WITH REQUIREMENTS OF RIGHT-OF-WAY UTILIZATION REGULATIONS AND ROAD CONSTRUCTION SPECIFICATIONS.

WATER MAIN BEDDING DETAIL
NOT TO SCALE

RECOMMENDED MINIMUM TRENCH WIDTHS

PIPE DIAM.	MIN. TRENCH WIDTH
4" (100mm)	21" (533mm)
6" (150mm)	23" (584mm)
8" (200mm)	26" (660mm)
10" (250mm)	28" (711mm)
12" (300mm)	30" (762mm)
15" (375mm)	34" (864mm)
18" (450mm)	39" (991mm)
24" (600mm)	48" (1219mm)
30" (750mm)	57" (1422mm)
36" (900mm)	64" (1626mm)
42" (1050mm)	72" (1829mm)
48" (1200mm)	80" (2032mm)
60" (1500mm)	96" (2438mm)



MINIMUM RECOMMENDED COVER BASED ON VEHICLE LOADING CONDITIONS**

PIPE DIAM.	SURFACE LIVE LOADING CONDITION H-25	HEAVY CONSTRUCTION (75T AXLE LAOD) *
12" - 48" (300mm - 1200mm)	12" (305mm)	48" (1219mm)
60" (1500mm)	24" (610mm)	60" (1524mm)

* VEHICLES IN EXCESS OF 75T MAY REQUIRE ADDITIONAL COVER
**SEE BACKFILL REQUIREMENTS IN NOTE 6.

MAXIMUM RECOMMENDED COVER BASED ON VEHICULE LOADING CONDITIONS

PIPE DIAM.	CLASS I COMPACTED	CLASS I DUMPED	CLASS II 95%	CLASS II 90%	CLASS III 95%
4" (100mm)	34 (10.4m)	16 (4.9m)	23 (7.0m)	16 (4.9m)	17 (5.2m)
6" (150mm)	40 (12.2m)	19 (5.8m)	27 (8.2m)	19 (5.8m)	20 (6.1m)
8" (200mm)	30 (9.1m)	14 (4.3m)	21 (6.4m)	14 (4.3m)	15 (4.6m)
10" (250mm)	34 (10.4m)	16 (4.9m)	23 (7.0m)	16 (4.9m)	17 (5.2m)
12" (300mm)	35 (10.7m)	17 (5.2m)	24 (7.3m)	17 (5.2m)	18 (5.5m)
15" (375mm)	37 (11.3m)	18 (5.5m)	25 (7.6m)	18 (5.5m)	19 (5.8m)
18" (450mm)	32 (9.8m)	15 (4.6m)	22 (6.7m)	15 (4.6m)	16 (4.9m)
24" (600mm)	27 (8.2m)	13 (4.0m)	19 (5.8m)	13 (4.0m)	14 (4.3m)
30" (750mm)	22 (6.7m)	11 (3.4m)	16 (4.9m)	11 (3.4m)	11 (3.4m)
36" (900mm)	26 (7.9m)	12 (3.7m)	18 (5.5m)	12 (3.7m)	13 (4.0m)
42" (1050mm)	24 (7.3m)	11 (3.4m)	17 (5.2m)	11 (3.4m)	12 (3.7m)
48" (1200mm)	23 (7.0m)	11 (3.4m)	16 (4.9m)	11 (3.4m)	12 (3.7m)
60" (1500mm)	26 (7.9m)	12 (3.7m)	18 (5.5m)	12 (3.7m)	13 (4.0m)

FILL HEIGHT TABLE GENERATED USING AASHTO SECTION 12, LOAD RESISTANCE FACTOR DESIGN (LRFD) PROCEDURE WITH THE FOLLOWING ASSUMPTIONS:
NO HYDROSTATIC PRESSURE
UNIT WEIGHT OF SOIL (γs) = 120 PCF

NOTES:

1. ALL PIPE SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2321, "STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY FLOW APPLICATIONS", LATEST ADDITION
2. MEASURES SHOULD BE TAKEN TO PREVENT MIGRATION OF NATIVE FINES INTO BACKFILL MATERIAL, WHEN REQUIRED.
3. FOUNDATION: WHERE THE TRENCH BOTTOM IS UNSTABLE, THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH SUITABLE MATERIAL AS SPECIFIED BY THE ENGINEER. AS AN ALTERNATIVE AND AT THE DISCRETION OF THE DESIGN ENGINEER, THE TRENCH BOTTOM MAY BE STABILIZED USING A GEOTEXTILE MATERIAL.
4. BEDDING: SUITABLE MATERIAL SHALL BE CLASS I, II OR III. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. UNLESS OTHERWISE NOTED BY THE ENGINEER, MINIMUM BEDDING THICKNESS SHALL BE 4" (100mm) FOR 4"-24" (100mm-600mm), 6" (150mm) FOR 30"-60" (750mm-1500mm).
5. INITIAL BACKFILL: SUITABLE MATERIAL SHALL BE CLASS I, II OR III IN THE PIPE ZONE EXTENDINGTO THE CROWN OF PIPE. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. MATERIAL SHALL BE INSTALLED AS REQUIRED IN ASTM D2321, LATEST EDITION.
6. MINIMUM COVER: MINIMUM COVER, H, IN NON-TRAFFIC APPLICATIONS (GRASS OR LANDSCAPE AREAS) IS 12" FROM THE TOP OF PIPE TO GROUND SURFACE. ADDITIONAL COVER MAY BE REQUIRED TO PREVENT FLOTATION. FOR TRAFFIC APPLICATIONS, MINIMUM COVER, H, IS 12" UP TO 48" DIAMETER PIPE AND 24" OF COVER FOR 60" DIAMETER PIPE, MEASURED FROM TOP OF PIPE TO BOTTOM OF FLEXIBLE PAVEMENT OR TO TOP OF RIGID PAVEMENT. FOR TRAFFIC APPLICATIONS WITH LESS THAN FOUR FEET OF COVER, EMBEDMENT OF THE PIPE SHALL BE USING ONLY A CLASS I OR CLASS II BACKFILL.

1	INITIAL BACKFILL	JAB	04/02/20
REV.	DESCRIPTION	BY	MM/DD/YY

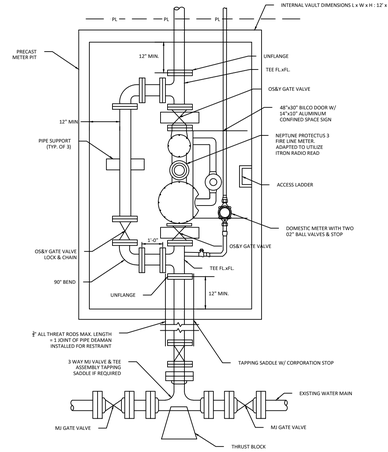
© 2020 ADS, INC.
ADVANCED DRAINAGE SYSTEMS, INC. ("ADS") HAS PREPARED THIS DETAIL BASED ON INFORMATION PROVIDED TO ADS. THIS DRAWING IS INTENDED TO DEPICT THE COMPONENTS AS REQUESTED. ADS HAS NOT PERFORMED ANY ENGINEERING OR DESIGN SERVICES FOR THIS PROJECT, NOR HAS ADS INDEPENDENTLY VERIFIED THE INFORMATION SUPPLIED. THE INSTALLATION DETAILS PROVIDED HEREIN ARE GENERAL RECOMMENDATIONS AND ARE NOT SPECIFIC FOR THIS PROJECT. THE DESIGN ENGINEER SHALL REVIEW THESE DETAILS PRIOR TO CONSTRUCTION, AS TO THE DESIGN ENGINEER'S RESPONSIBILITY TO ENSURE THAT PROPOSED SYSTEM MEETS OR EXCEEDS THE APPLICABLE NATIONAL, STATE, OR LOCAL REQUIREMENTS AND TO ENSURE THAT THE DETAILS PROVIDED HEREIN ARE ACCEPTABLE FOR THIS PROJECT.

TRENCH INSTALLATION DETAIL (ASTM D3645)
DRAWING NUMBER: STD-101A

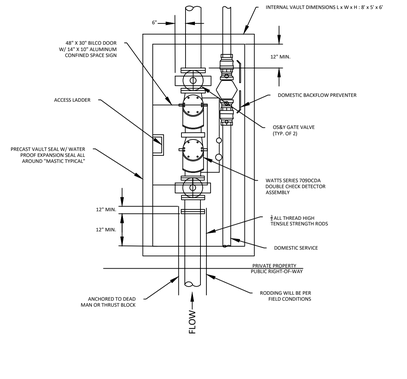
ADS 4640 TRUEMAN BLVD HILLIARD, OHIO 43026 ADVANCED DRAINAGE SYSTEMS, INC.

A.F. | 8/15/13 | NTS | 1 OF 1

HDPE PIPE BEDDING DETAIL
NOT TO SCALE



FIRE LINE METER W/ DOMESTIC METER DETAIL
NOT TO SCALE



DOUBLE CHECK DETECTOR W/ DOMESTIC BACKFLOW PREVENTER DETAIL
NOT TO SCALE

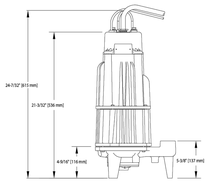
FEATURES

- Durable epoxy coated cast iron construction
- Bearings - upper and lower ball bearing
- Stainless steel motor shaft
- Motor - 2 HP, 60 Hz, 3450 RPM, 1 & 3 Ph, oil-filled, hermetically sealed, thermal sensor protected
- Dual mechanical shaft seals - upper carbon/ceramic, lower silicon carbide/carbon
- Viton O-ring seals and cover gasket
- Impeller - non-clogging ductile iron vortex impeller
- 7011 reversing model
- 7013 single direction model
- 20' UL listed 3-wire SOOW cord. Longer cords available in 25' & 50'.
- Hardened 440C stainless steel cutter and disc, Rockwell C55-60
- 304 SS hardware
- 1.25" NPT Horizontal or Vertical discharge
- 100% computerized tested

Standard all models - 20 ft. cord - 2 HP				
7011 Models	Control Section Volts	Ph	Amps	Listed cCSAus
E7011*	230	1	17.2	Yes
I7011*	200	1	20.0	Yes
F7011	230	3	10.8	Yes
J7011	200	3	12.3	Yes
G7011	460	3	5.5	Yes
BA7011	575	3	4.5	Yes

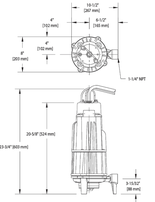
Standard all models - 20 ft. cord - 2 HP				
7013 Models	Control Section Volts	Ph	Amps	Listed cCSAus
E7013*	230	1	17.2	Yes
I7013*	200	1	20.0	Yes
F7013	230	3	10.8	Yes
J7013	200	3	12.3	Yes
G7013	460	3	5.5	Yes
BA7013	575	3	4.5	Yes

VERTICAL DISCHARGE



SK1322

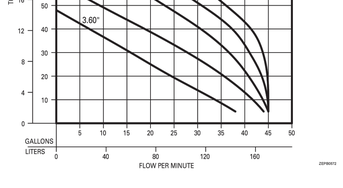
HORIZONTAL DISCHARGE



SK3354

7011 REVERSING
PERFORMANCE DATA
2 HP Grinder Pump

Patent No. 6,364,620

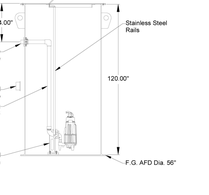


CPQ Quote #: ZCOAF000147-1
Location:
Date: 12/11/2025
Contact Info: Ty Beckom
800-401-4870 Ext 102

Prepackaged Duplex Basin System, Pre-Plumbed, w/RailSystems (Stainless Steel Pump Lifting Cables Included)
Ball Valves & Check Valves installed.

Basic System Information	
Build Type	Prepackaged
System Type	Duplex
Discharge Exit	Side
Intended Pump Data	
Pump Division	Engineered Product
Pump Family	7010 7011 X7011
Pump Discharge	1.25"Vertical
Basin Size Preferences	
Basin Diameter	48"
Basin Height	120"
Cover Preferences	
Cover Surface	Gas Tight Hatch
Cover Material	Aluminum
Vent Quantity	None
Vent Size	
Plumbing Preferences	
Inlet Hub	4" Pipe Seal
Discharge Piping	2"
Discharge Depth	24"
Pipe Material	Sch. 80 PVC
Shutoff Valve	Ball Valve
Disconnect Preferences	
Class	Standard
Rail Material	Stainless Steel
Design Aids	
Hub Invert Depth[1]	60"
Gallons/Inch	7.83
Working Vol.(gal)[2]	282
Accessories	
Lifting Lugs	Yes
Electrical Coupling	Loose x2
Stud Pattern	

[1]Hub is field installed. Depth is used to compute working volumes.
[2]Usable volumes between inlet invert and minimum water level.



NOTES: Approximate Weight: 910lbs. DRAWING IS NOT TO SCALE. PUMPS NOT INCLUDED - Pumps only shown for reference. COVERS ARE RATED FOR 300 PSF. Individual components may differ from those shown. Customer is wholly responsible for verifying code compliance.

ZOELLER DUAL GRINDER PUMP DETAIL
NOT TO SCALE

NOTES:
1. CONTRACTOR TO COORDINATE WITH LOCAL UTILITY PROVIDERS ON DOMESTIC & FIRE METERS & BFPs

FIRE LINE & DOMESTIC WATER SERVICE CONFIGURATION DETAIL
NOT TO SCALE

TYPICAL SECTION FOR TURN LANES (GDOT ASPHALT PAVEMENT)
NOT TO SCALE

GDOT CONCRETE PAVING DETAIL
NOT TO SCALE

AXIS ENGINEERING CONSULTANTS
LEESBURG ★ VALDOSTA ★ WARNER ROBINS

GEORGIA — AXIS ENGINEERING CONSULTANTS PEF009117 06/30/2026 — CERTIFICATE OF AUTHORIZATION

REVISIONS		
No.	DATE	DESCRIPTION
1	02/25/26	REVISIONS PER OWNER - VALUE ENGINEERING
2	04/02/26	REVISIONS PER GDOT COMMENTS
3	04/09/26	REVISIONS PER GTC COMMENTS
4	04/22/26	REVISIONS PER OWNER
5	04/30/26	REVISIONS PER GDOT COMMENTS
6	07/17/26	ISSUED FOR CONSTRUCTION

GEORGIA — REGISTERED No. PE032671 PROFESSIONAL ENGINEER BRYAN HILL BRAUN 07/15/2026

CONSTRUCTION DETAILS

TA TRAVEL CENTER JEFFERSONVILLE, GA

TWIGGS COUNTY, GA

PROJECT NO.	25-25019
DATE:	11/03/2025
DRAWN BY:	AF
CHECK BY:	JM

STROUD AND COMPANY

SCALE: NOT TO SCALE

SHEET NO. C15.2

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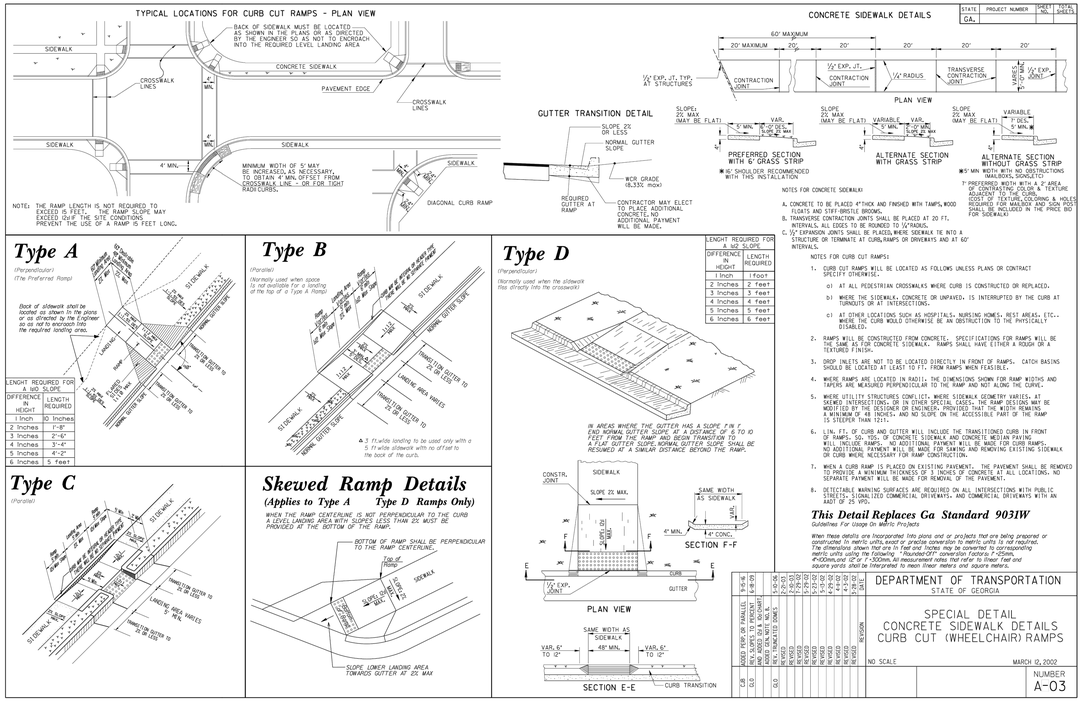
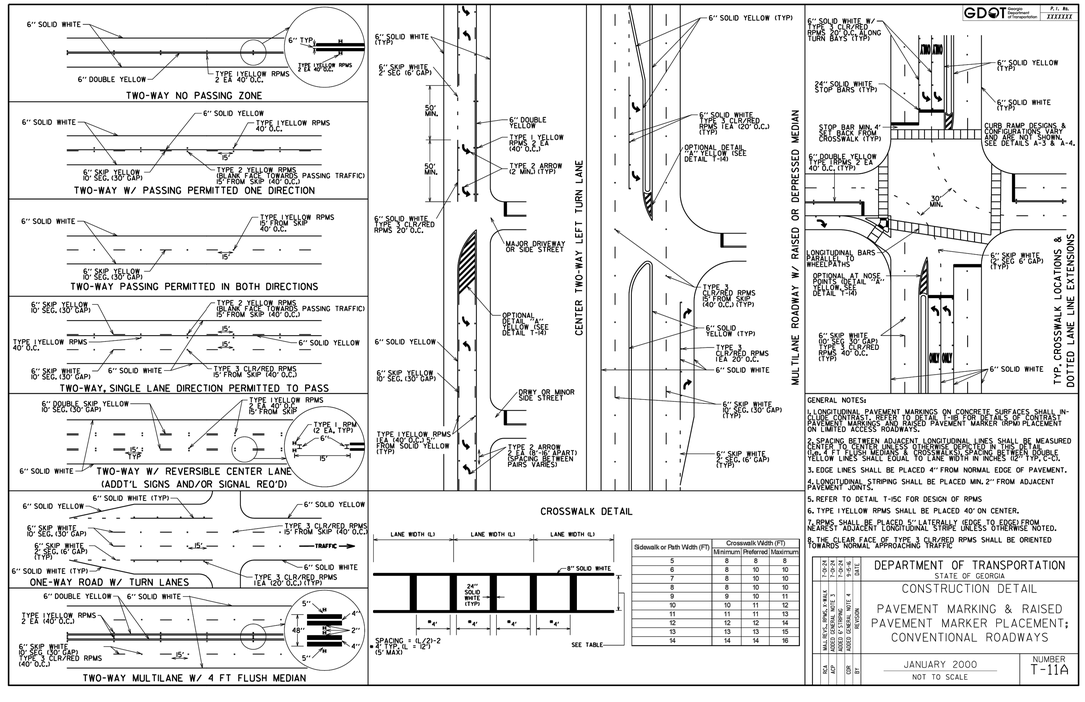


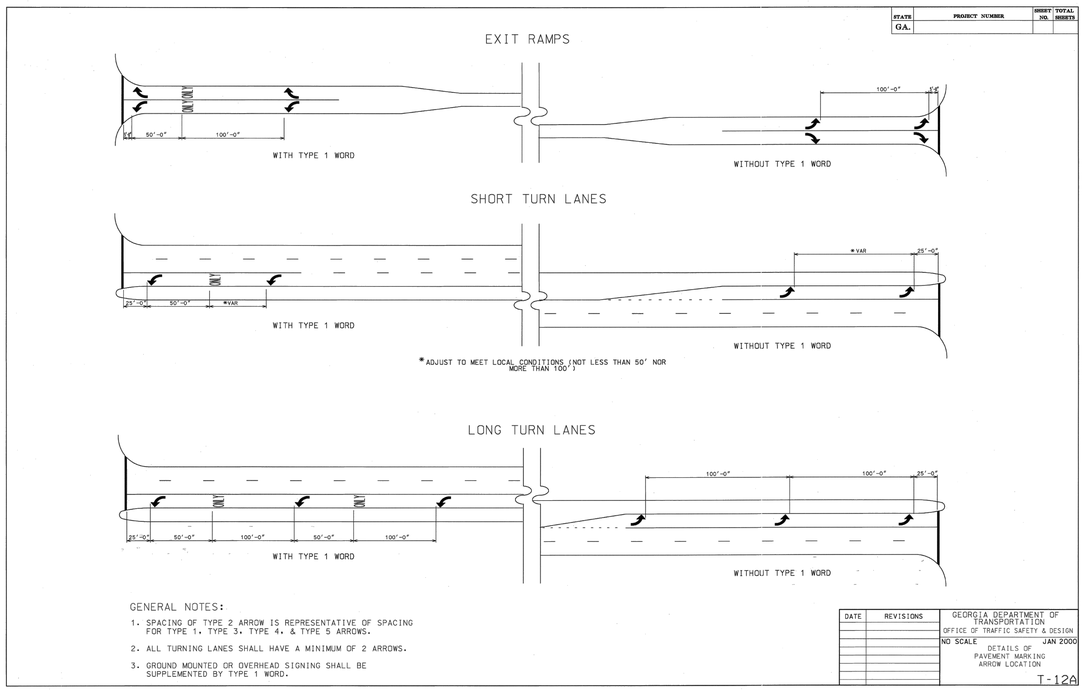
CURB CUT (WHEELCHAIR) RAMPS DETAIL- GDOT A3

NOT TO SCALE



PAVEMENT MARKING DETAIL - GDOT T-11A

NOT TO SCALE



PAVEMENT MARKING DETAIL - GDOT T-12A

NOT TO SCALE

AXIS ENGINEERING CONSULTANTS
LEESBURG ★ VALDOSTA ★ WARNER ROBINS

GEORGIA AXIS ENGINEERING CONSULTANTS PEF009117 06/30/2026 CERTIFICATE OF AUTHORIZATION

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5	04/30/26	REVISIONS PER GDOT COMMENTS
6	07/17/26	ISSUED FOR CONSTRUCTION

GEORGIA REGISTERED No. PE032671 PROFESSIONAL ENGINEER BRYAN HILL BRAUN 07/15/2026

CONSTRUCTION DETAILS

TA TRAVEL CENTER JEFFERSONVILLE, GA

TWIGGS COUNTY, GA

PROJECT NO. 25-25019
DATE: 11/03/2025
DRAWN BY: AF
CHECK BY: JM

STROUD AND COMPANY

SCALE: NOT TO SCALE

SHEET NO. C15.3

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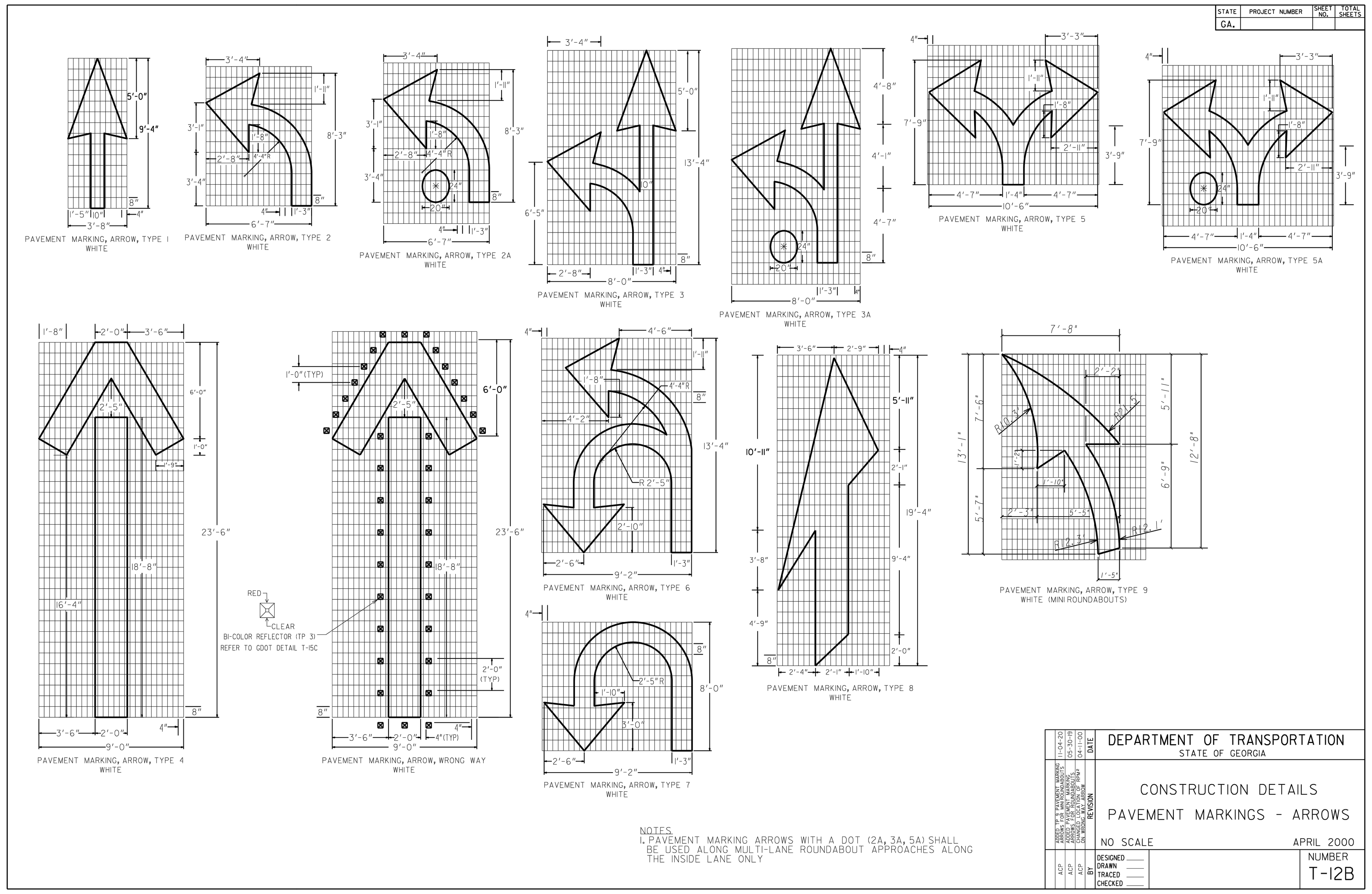
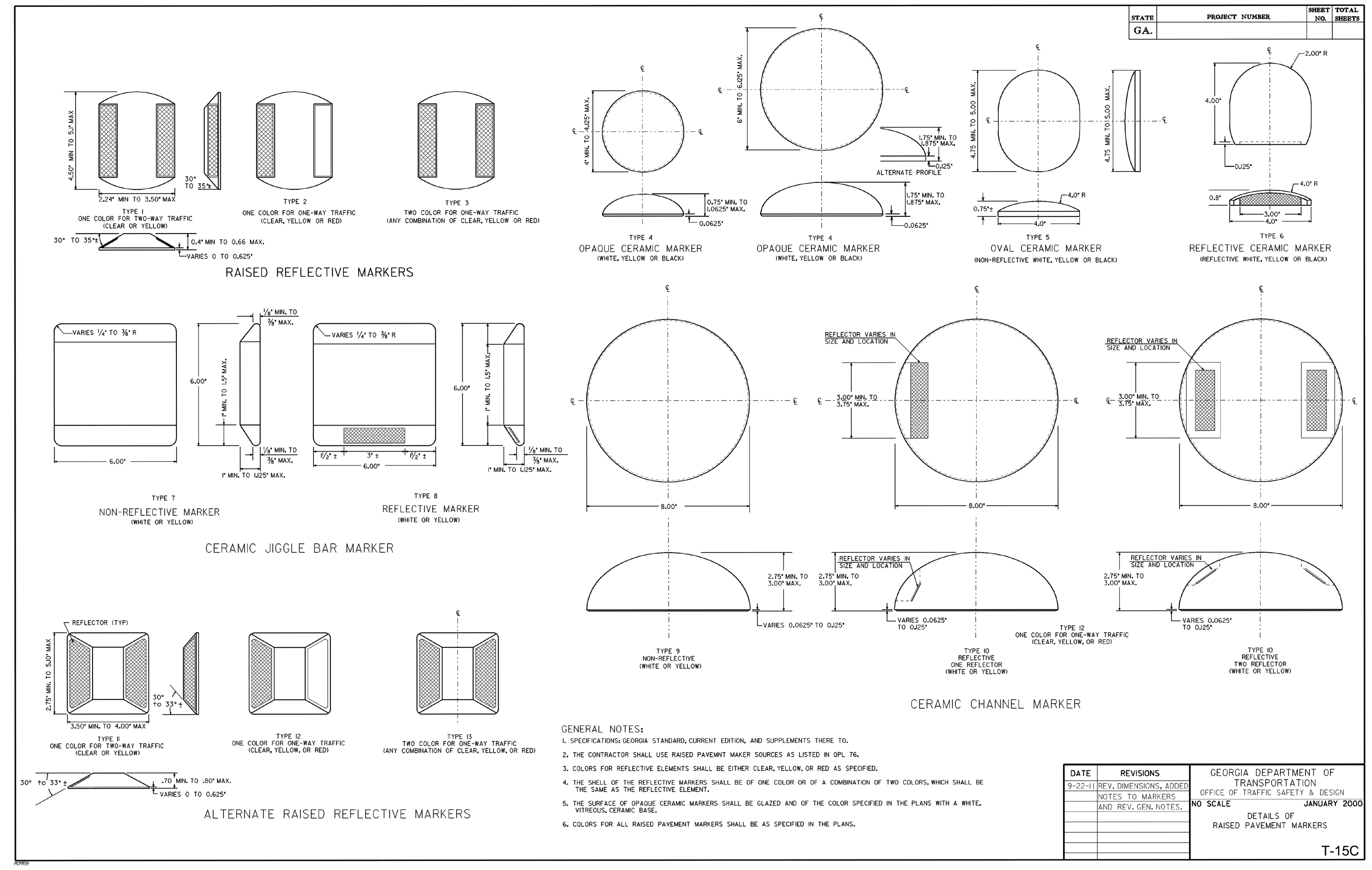


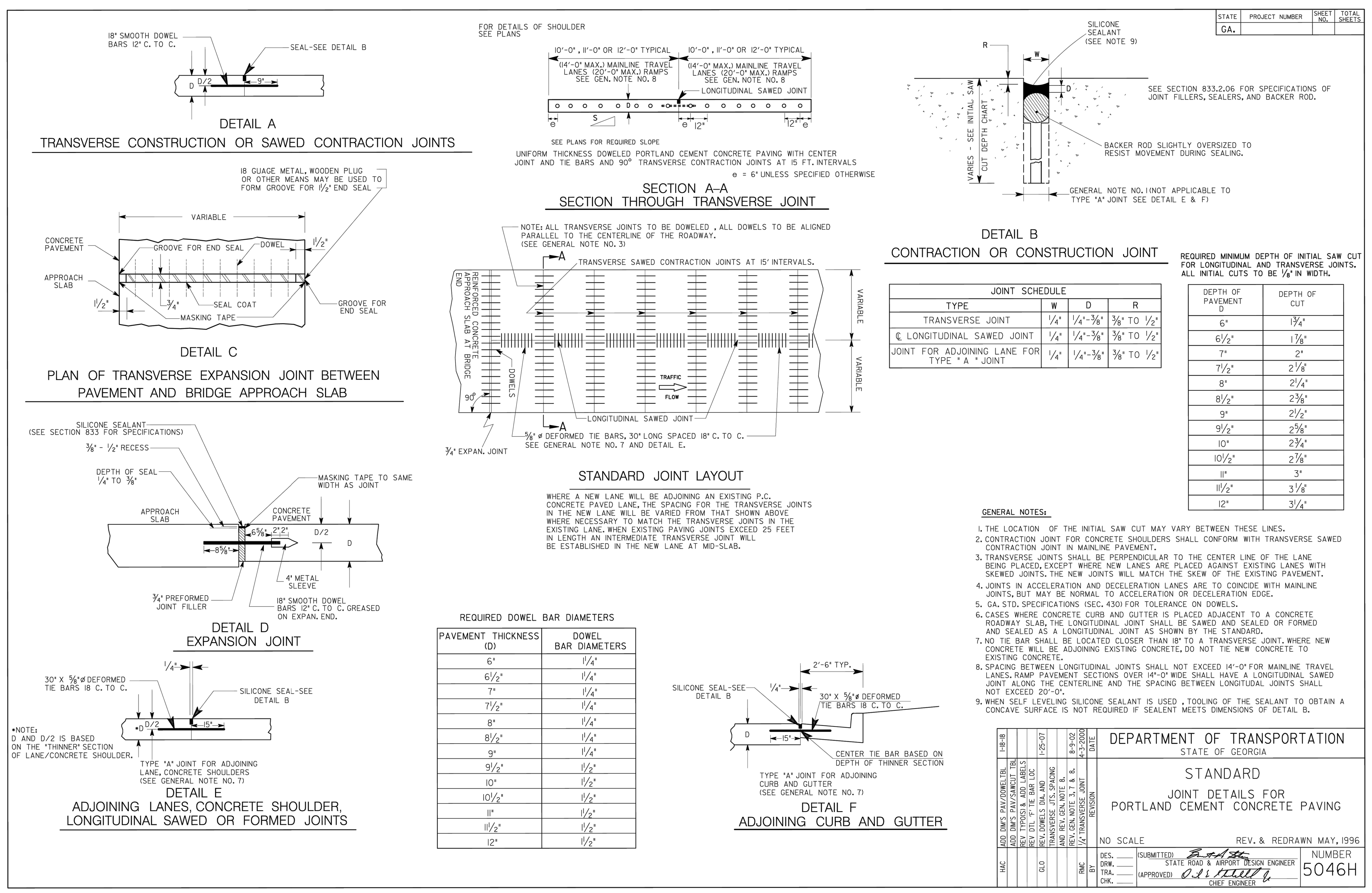
PAVEMENT MARKING DETAIL- GDOT T-12B

NOT TO SCALE



PAVEMENT MARKING DETAIL - GDOT T-15C

NOT TO SCALE



JOINT SCHEDULE

TYPE	W	D	R
TRANSVERSE JOINT	1/4"	1/4"-3/8"	3/8" TO 1/2"
℄ LONGITUDINAL SAWED JOINT	1/4"	1/4"-3/8"	3/8" TO 1/2"
JOINT FOR ADJOINING LANE FOR TYPE "A" JOINT	1/4"	1/4"-3/8"	3/8" TO 1/2"

REQUIRED MINIMUM DEPTH OF INITIAL SAW CUT FOR LONGITUDINAL AND TRANSVERSE JOINTS. ALL INITIAL CUTS TO BE 1/8" IN WIDTH.

DEPTH OF PAVEMENT D	DEPTH OF CUT
6"	1 3/4"
6 1/2"	1 7/8"
7"	2"
7 1/2"	2 1/8"
8"	2 1/4"
8 1/2"	2 3/8"
9"	2 1/2"
9 1/2"	2 5/8"
10"	2 3/4"
10 1/2"	2 7/8"
11"	3"
11 1/2"	3 1/8"
12"	3 1/4"

REQUIRED DOWEL BAR DIAMETERS

PAVEMENT THICKNESS (D)	DOWEL BAR DIAMETERS
6"	1 1/4"
6 1/2"	1 1/4"
7"	1 1/4"
7 1/2"	1 1/4"
8"	1 1/4"
8 1/2"	1 1/4"
9"	1 1/4"
9 1/2"	1 1/2"
10"	1 1/2"
10 1/2"	1 1/2"
11"	1 1/2"
11 1/2"	1 1/2"
12"	1 1/2"

GENERAL NOTES:

1. THE LOCATION OF THE INITIAL SAW CUT MAY VARY BETWEEN THESE LINES.
2. CONTRACTION JOINT FOR CONCRETE SHOULDERS SHALL CONFORM WITH TRANSVERSE SAWED CONTRACTION JOINT IN MAINLINE PAVEMENT.
3. TRANSVERSE JOINTS SHALL BE PERPENDICULAR TO THE CENTER LINE OF THE LANE BEING PLACED, EXCEPT WHERE NEW LANES ARE PLACED AGAINST EXISTING LANES WITH SKEWED JOINTS. THE NEW JOINTS WILL MATCH THE SKEW OF THE EXISTING PAVEMENT.
4. JOINTS IN ACCELERATION AND DECELERATION LANES ARE TO COINCIDE WITH MAINLINE JOINTS, BUT MAY BE NORMAL TO ACCELERATION OR DECELERATION EDGE.
5. GA. STD. SPECIFICATIONS (SEC. 430) FOR TOLERANCE ON DOWELS.
6. CASES WHERE CONCRETE CURB AND GUTTER IS PLACED ADJACENT TO A CONCRETE ROADWAY SLAB, THE LONGITUDINAL JOINT SHALL BE SAWED AND SEALED OR FORMED AND SEALED AS A LONGITUDINAL JOINT AS SHOWN BY THE STANDARD.
7. NO TIE BAR SHALL BE LOCATED CLOSER THAN 18" TO A TRANSVERSE JOINT. WHERE NEW CONCRETE WILL BE ADJOINING EXISTING CONCRETE, DO NOT TIE NEW CONCRETE TO EXISTING CONCRETE.
8. SPACING BETWEEN LONGITUDINAL JOINTS SHALL NOT EXCEED 14'-0" FOR MAINLINE TRAVEL LANES. RAMP PAVEMENT SECTIONS OVER 14'-0" WIDE SHALL HAVE A LONGITUDINAL SAWED JOINT ALONG THE CENTERLINE AND THE SPACING BETWEEN LONGITUDINAL JOINTS SHALL NOT EXCEED 20'-0".
9. WHEN SELF LEVELING SILICONE SEALANT IS USED, TOOLING OF THE SEALANT TO OBTAIN A CONCAVE SURFACE IS NOT REQUIRED IF SEALENT MEETS DIMENSIONS OF DETAIL B.

JOINT DETAIL FOR PCC PAVING - GDOT 5046H

NOT TO SCALE

AXIS ENGINEERING CONSULTANTS

LEESBURG ★ VALDOSTA ★ WARNER ROBINS

GEORGIA AXIS ENGINEERING CONSULTANTS PEF009117 06/30/2026 CERTIFICATE OF AUTHORIZATION

REVISIONS

No.	DATE	DESCRIPTION
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4	04/22/26	REVISIONS PER OWNER
5	04/30/26	REVISIONS PER GDOT COMMENTS
6	07/17/26	ISSUED FOR CONSTRUCTION

GEORGIA REGISTERED No. PE032671 PROFESSIONAL 07/15/2026 ENGINEER BRIAN HILL BRAUN

CONSTRUCTION DETAILS

TA TRAVEL CENTER JEFFERSONVILLE, GA

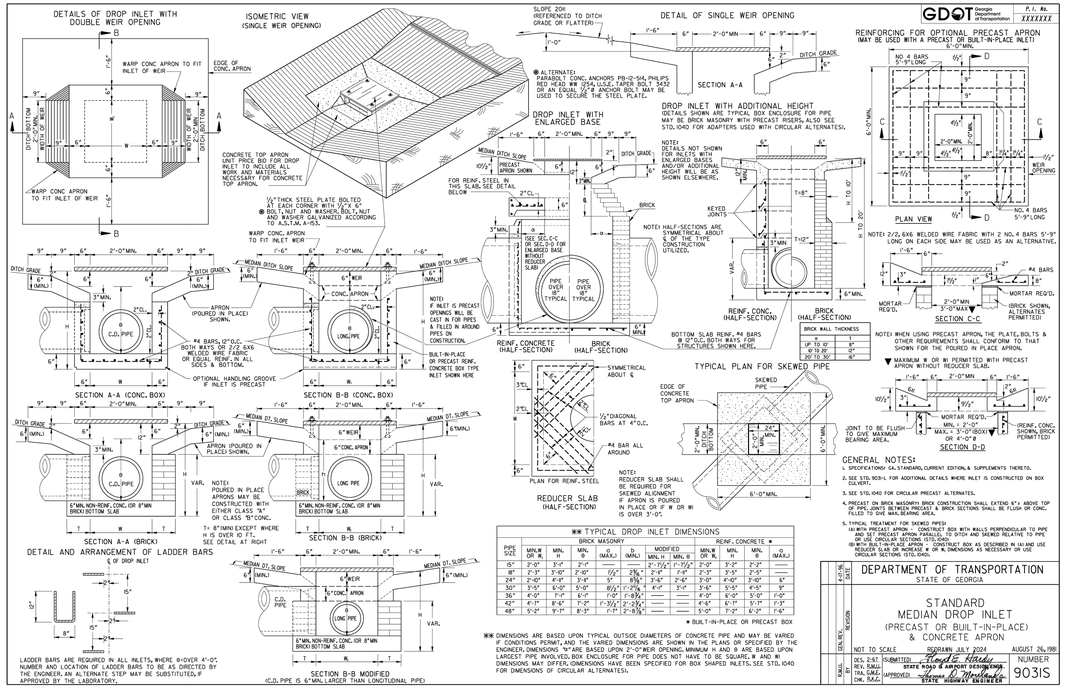
TWIGGS COUNTY, GA

PROJECT NO. 25-25019
DATE: 11/03/2025
DRAWN BY: AF
CHECK BY: JM

STROUD AND COMPANY

SCALE: NOT TO SCALE

SHEET NO. C15.4



GDOT Georgia Department of Transportation — P.I. No. XXXXXXX

** TYPICAL DROP INLET DIMENSIONS

PIPE SIZE	BRICK MASONRY MIN.W OR W,	MIN. H	MIN. Ø (MAX.)	D (MIN.)	MODIFIED REINF. CONCRETE * MIN.W OR W,	MIN. H	MIN. Ø (MAX.)	REINF. CONCRETE * MIN. W OR W,	MIN. H	Ø (MAX.)
15"	2'-0"	3'-0"	2'-1"	——	——	2'-1½"	2'-1½"	2'-0"	3'-3"	2'-3"
18"	2'-3"	3'-0"	2'-2"	2'-0"	2'-3"	2'-3"	2'-2½"	2'-3"	3'-3"	2'-3"
24"	2'-6"	4'-0"	3'-0"	5"	2'-6"	3'-0"	2'-8½"	2'-6"	4'-0"	2'-8"
30"	3'-0"	4'-0"	3'-0"	5"	8½"	3'-0"	3'-2½"	3'-0"	4'-0"	3'-0"
36"	4'-0"	5'-0"	4'-0"	6"	10½"	4'-0"	3'-8½"	4'-0"	5'-0"	3'-10"
42"	4'-3"	6'-0"	4'-3"	6"	1'-0"	4'-3"	4'-2½"	4'-0"	6'-0"	4'-0"
48"	4'-7"	6'-6"	4'-7"	7"	1'-1½"	4'-7"	4'-8½"	4'-0"	6'-3"	4'-3"
54"	5'-0"	7'-0"	5'-0"	7"	1'-3"	5'-0"	5'-2"	4'-3"	6'-9"	4'-6"
60"	5'-3"	7'-6"	5'-3"	8"	1'-4½"	5'-3"	5'-7½"	4'-6"	7'-0"	4'-9"

* BUILT-IN-PLACE OR PRECAST BOX

** DIMENSIONS ARE BASED UPON TYPICAL OUTSIDE DIAMETERS OF CONCRETE PIPE AND MAY BE VARIED IF CONDITIONS PERMIT, AND THE VARIED DIMENSIONS ARE SHOWN IN THE PLANS OR SPECIFIED BY THE ENGINEER. DIMENSIONS "W" ARE BASED UPON 2'-0" WEIR OPENING. MINIMUM H AND Ø ARE BASED UPON LARGEST PIPE INVOLVED. BOX ENCLOSURE FOR PIPE DOES NOT HAVE TO BE SQUARE. W AND W1 DIMENSIONS MAY DIFFER. DIMENSIONS HAVE BEEN SPECIFIED FOR BOX SHAPED INLETS. SEE STD. 1040 FOR DIMENSIONS OF CIRCULAR ALTERNATES.

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

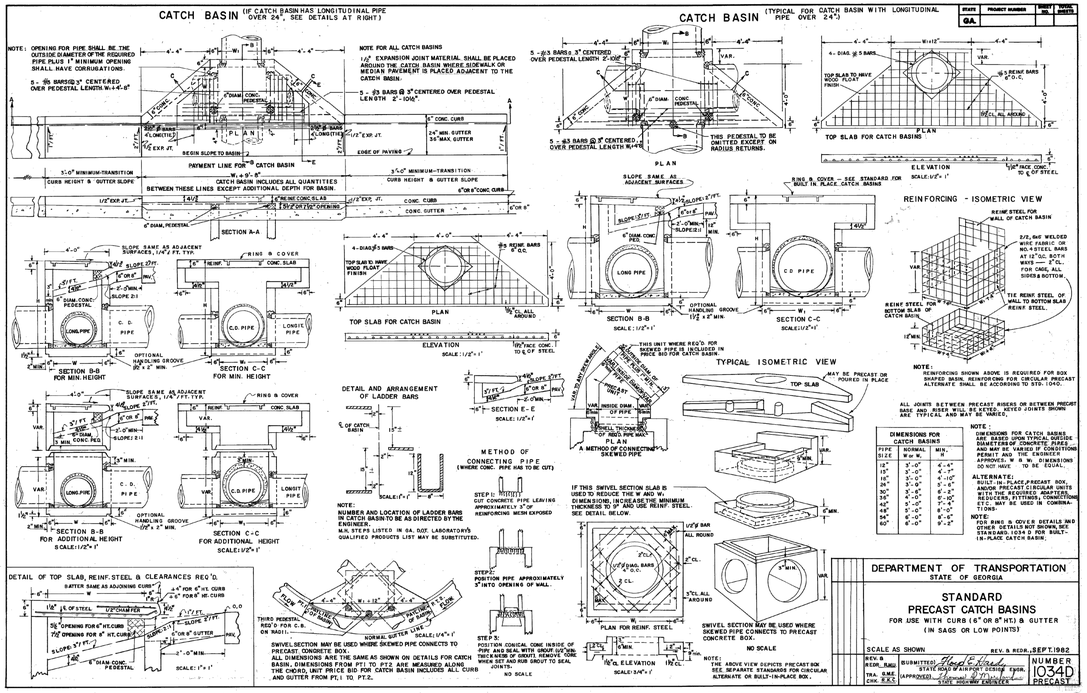
STANDARD
MEDIAN DROP INLET
(PRECAST OR BUILT-IN-PLACE)
& CONCRETE APRON

NOT TO SCALE — REDRAWN JULY 2024 — AUG. 26, 198

DES. E.N.T. SUBMITTED: Ronald E. Wardell — STATE ROAD & AIRPORT DESIGN ENGR.
REV. R.M.J.
TRA. G.M.C.
CHK. R.A.C. APPROVED: Genevieve B. Brantley — STATE HIGHWAY ENGINEER

NUMBER 9031S

STANDARD DROP INLET DETAIL - GDOT 9031S
NOT TO SCALE



DIMENSIONS FOR CATCH BASINS		
TYPE SIZE	NOMINAL W or W1	MIN.* H
12"	3'-0"	4'-0"
15"	3'-0"	4'-10"
18"	3'-0"	4'-10"
24"	3'-0"	4'-10"
30"	3'-0"	5'-0"
36"	3'-0"	5'-0"
42"	3'-0"	5'-0"
48"	3'-0"	5'-0"
54"	3'-0"	5'-0"
60"	3'-0"	5'-0"

NOTE:
DIMENSIONS FOR CATCH BASINS ARE BASED UPON TYPICAL OUTSIDE DIAMETERS OF CONCRETE PIPE AND MAY BE VARIED IF CONDITIONS PERMIT AND THE ENGINEER APPROVES. W & W1 DIMENSIONS DO NOT HAVE TO BE EQUAL.

ALTERNATE:
BUILT-IN-PLACE OR PRECAST BOX AND/OR PRECAST CIRCULAR UNITS WITH THE REQUIRED ADAPTERS AND TRANSITIONS AS SHOWN ON STD. 1040, ETC. MAY BE USED IN COMBINATIONS.

NOTE:
FOR RING & COVER DETAILS AND OTHER STANDARDS NOT SHOWN HERE, SEE STANDARD 1030 FOR BUILT-IN-PLACE CATCH BASIN.

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

STANDARD
PRECAST CATCH BASINS
FOR USE WITH CURB (6"OR 8"HT.) & GUTTER
(IN SAGS OR LOW POINTS)

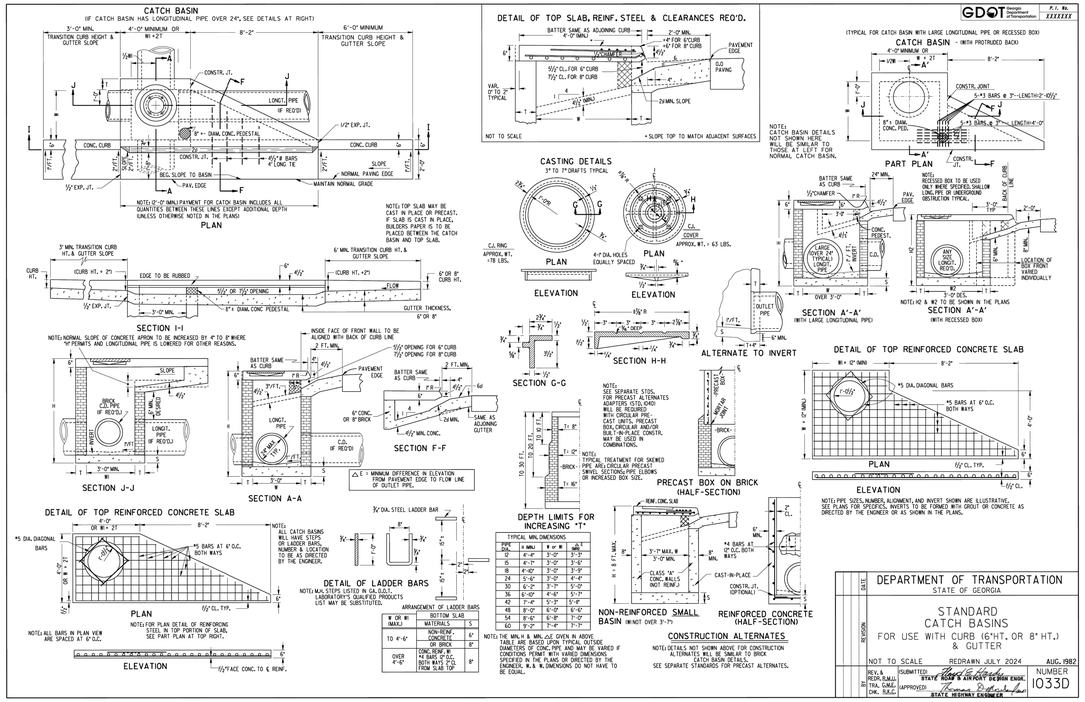
SCALE AS SHOWN — REV. & REDR., SEPT. 1982

REV. & REDR., R.M.J.
TRA. & M.C.
CHK. R.A.C.

SUBMITTED: Ronald E. Wardell — STATE ROAD & AIRPORT DESIGN ENGR.
APPROVED: Genevieve B. Brantley — STATE HIGHWAY ENGINEER

NUMBER 1034D PRECAST

STANDARD CATCH BASIN (DOUBLE WING) DETAIL - GDOT 1034D
NOT TO SCALE



TYPICAL MIN. DIMENSIONS INCREASING "T"			
BOX SIZE	H MIN.*	W or W1	T MIN.
12	4'-4"	3'-0"	1'-3"
15	4'-7"	3'-0"	1'-6"
18	4'-10"	3'-0"	1'-9"
24	5'-5"	3'-0"	1'-9"
30	6'-1"	3'-7"	1'-9"
36	6'-10"	4'-4"	1'-7"
42	7'-4"	5'-3"	1'-8"
48	8'-0"	6'-0"	1'-10"
54	8'-6"	6'-8"	1'-10"
60	9'-2"	7'-4"	1'-11"

NOTE: THE MIN. H & MIN. Δ E SHOWN IN ABOVE TABLE ARE BASED UPON TYPICAL ANTICIPATED CONDITIONS. THEY MAY BE INCREASED IF CONDITIONS PERMIT WITH VARIED DIMENSIONS SPECIFIED IN THE PLANS OR DIRECTED BY THE ENGINEER. W & W1 DIMENSIONS DO NOT HAVE TO BE EQUAL.

ARRANGEMENT OF LADDER BARS		
H OR W1 (MAX.)	BOTTOM SLAB MATERIALS	S
TO 4'-6"	NON-REINF. CONCRETE OR BRICK	6"
OVER 4'-6"	CONC. REINF. W. #4 BARS @ 12" O.C. BOTH WAYS FULL FROM SLAB TOP	8"

REVISIONS			
No.	DATE	DESCRIPTION	
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2	04/02/26	REVISIONS PER GDOT COMMENTS	
3	04/09/26	REVISIONS PER GTC COMMENTS	
4	04/22/26	REVISIONS PER OWNER	
5	04/30/26	REVISIONS PER GDOT COMMENTS	
6	07/17/26	ISSUED FOR CONSTRUCTION	

AXIS ENGINEERING CONSULTANTS
LEESBURG ★ VALDOSTA ★ WARNER ROBINS

GEORGIA — AXIS ENGINEERING CONSULTANTS — PEF009117 — 06/30/2026 — CERTIFICATE OF AUTHORIZATION

GEORGIA — REGISTERED — No. PE032671 — PROFESSIONAL — 07/15/2026 — ENGINEER — BRYAN HILL BRAWN

CONSTRUCTION DETAILS

TA TRAVEL CENTER JEFFERSONVILLE, GA

TWIGGS COUNTY, GA

PROJECT NO.	25-25019
DATE:	11/03/2025
DRAWN BY:	AF
CHECK BY:	JM

STROUD AND COMPANY

SCALE: NOT TO SCALE

SHEET NO. C15.5

STANDARD CATCH BASIN (SINGLE WING) DETAIL - GDOT 1033D
NOT TO SCALE

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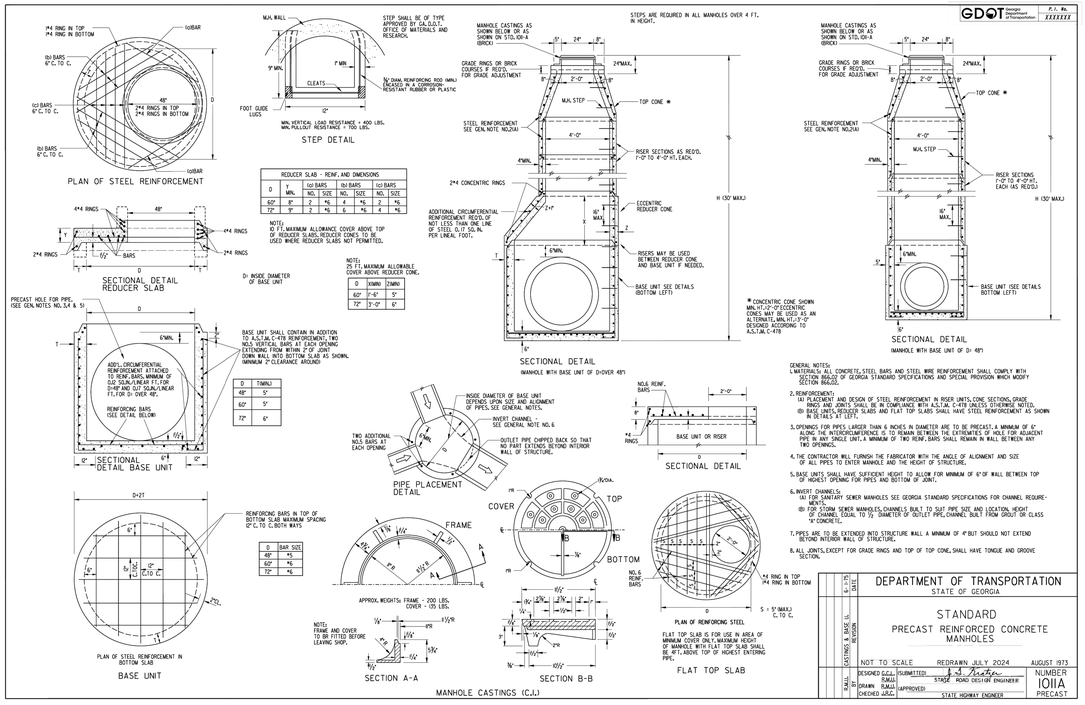


STANDARD MANHOLE DETAIL- GDOT 1011A

NOT TO SCALE

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

STANDARD
PRECAST REINFORCED CONCRETE MANHOLES

NOT TO SCALE — REDRAWN JULY 2024 — AUGUST 1973

DESIGNED ____ SUBMITTED
DRAWN ____ STATE ROAD & TOLLWAY DESIGN ENGINEER
TRACED ____
CHECKED ____ APPROVED
STATE HIGHWAY ENGINEER

NUMBER 1011A
PRECAST

CASTINGS & BASE U. — 6-1-76 — DATE
REVISION — BY

REDRAWN	JULY 2024
DESIGNED	
DRAWN	R.M.G.
TRACED	R.M.G.
CHECKED	J.R.C.

STANDARD FLARED END SECTION DETAIL - GDOT 1120

NOT TO SCALE

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

CONCRETE FLARED END SECTION

END SECTION TO PIPE JOINT SHOWN AS TYPICAL; HUB END ON OUTLET END SECTIONS, SOCKET END ON INLET END SECTIONS (SEE NOTE "A")

PLAN

INSTALLATION IO OVER 30"; CABLE, CHAIN OR LIFTING HOOK TO BE ATTACHED TO A HOLE WITH A PLATE OR REBAR CONNECTED INSIDE THE CONC. SECTION TO PROVIDE ADEQUATE BEARING AREA OR A LIFTING ASSEMBLY DEVICE MAY BE USED TO GIVE 3 LIFT POINTS. HOOKS CONNECTED DIRECTLY TO REBAR ARE NOT PERMITTED. DAMAGE FROM IMPROPER HANDLING SHALL BE CAUSE FOR REJECTION.

TOEWALL IF REQ'D. (TYPICAL FOR STORM DRAIN OUTLETS, SEE GEN. NOTES "I, 2, 3)

FRONT

NOTE: DO NOT CUT CONCRETE PIPE. USE FULL LENGTH SECTIONS ONLY. WARP SLOPE TO CONFORM WITH PIPE LENGTH AND END SECTION.

SECTION X-X

SECTION Y-Y

SIDE

REINFORCING CAGE:
ILL WIRE FABRIC HAVING EQUAL STEEL AREA AS INNER CAGE FOR CLASS III PIPE, AASHTO M-170. (2) ALTERNATE "A" BARS SPACED 12"+ LONGITUDINALLY WITH 7 "Z" BARS TRANSVERSELY AT 6"O.C. MAX. SPACING, SPOT WELDED OR TIED TO FORM CAGE. (BACK RODS MAY BE OMITTED)

NOTE "A":
CONTRACTOR WILL INFORM PRODUCER IF CONCRETE FLARED END SECTION IS FOR INLET OR FOR OUTLET END. SOCKET (TONGUE OR SPIGOT END) IS REQUIRED FOR INLETS. HUB END IS REQUIRED FOR OUTLETS. RUBBER GASKETS ARE REQUIRED FOR HUB TO HUB JOINT WILL NOT BE ACCEPTED UNLESS A REINFORCED CONCRETE COLLAR IS BUILT AROUND THE JOINT WITH NO PAYMENT BEING MADE FOR THE COLLAR.
FLARED END SECTIONS SHALL BE CONNECTED TO PIPE BY A SPACE IN THE JOINT FILLED WITH EITHER BITUMINOUS PLASTIC CEMENT OR PREFORMED PLASTIC GASKET (SEC. 848).

WALL THICKNESS: (T) IS SHOWN AS NOMINAL AND MAY BE INCREASED AT PRODUCERS OPTION FOR DESIGN OR TO ALLOW A FLAT SURFACE BOTTOM ON THE FLARE, WITH INSIDE DIMENSIONS OF FLARE RETAINED AS SHOWN.
T = PIPE WALL THICKNESS (1.08333 × T= TYPICAL)

DIMENSIONS AND REINFORCING FOR CONCRETE FLARED END SECTIONS (+- 1" TOLERANCE)

PIPE DIA	FRONT BAR	BACK RODS	SLOPE	A	B	C	L	E	P	R8	R2	OUTLET TOEWALL OF REQ'D. X- / Z - 2"	CU.YDS. CONC.
12"	1#3 x 5'-6"	NOT REQ'D.	2.26	4"	2'0"	4'-1"	6'1"	2'0"	1'8"	1'0"	9"	4'-6"	.148
15"	1#3 x 6'-1"	NOT REQ'D.	2.26	6"	2'3"	3'10"	6'1"	2'6"	2'0"	1'0"	9"	4'-6"	.163
18"	1#3 x 7'-2"	NOT REQ'D.	2.26	9"	2'7"	3'10"	6'1"	3'0"	2'5"	1'4"	1'0"	5'-0"	.185
24"	1#3 x 9'-10"	NOT REQ'D.	2.46	1'0"	3'8"	3'6"	6'2"	4'0"	3'9"	1'5"	1'2"	5'-0"	.222
30"	1#4 x 11'8"	NOT REQ'D.	2.46	1'0"	4'6"	3'8"	6'2"	4'0"	3'7"	1'6"	1'3"	7'-0"	.259
42"	1#4 x 13'10"	2#4 x 6'3"	2.46	1'0"	5'3"	3'8"	6'2"	6'0"	4'0"	2'0"	1'8"	8'-0"	.296
42"	1#4 x 13'10"	2#4 x 7'9"	2.46	2"	5'3"	2'9"	8'2"	6'0"	4'0"	2'4"	1'0"	8'-0"	.35

NOTE: SPECIFIED REINFORCING IS MINIMAL AND MAY BE INCREASED AT PRODUCERS OPTION TO AID CASTING & HANDLING. ALTERNATE REINFORCEMENT PERMITTED IF APPROVED.

* NOTE "X" AND "L" DIMENSION MAY BE MEASURED TO EITHER END OF JOINT CONNECTION AT PIPE.

METAL FLARED END SECTION
(USE ONLY WITH COR. METAL PIPE)

REQUIRED CONNECTION (SEE NOTE "D")

PLAN

NOTE: GALVANIZED STEEL FLARED END SECTIONS ARE TO BE USED ONLY WITH CORRUGATED STEEL PIPE AND ALUMINUM FLARED END SECTIONS ARE TO BE USED ONLY WITH CORRUGATED ALUMINUM PIPE UNLESS OTHERWISE APPROVED BY G.D.O.T. OFFICE OF MATERIALS AND TESTS.

FLARED END SECTION DIMENSIONS

PIPE DIA. SIZE "D"	THICKNESS GALV. STEEL	THICKNESS ALUM.	A +- 0.40	B (0.5 D) +- 2"	H (0.250 D) MIN. (*)	L (1.63 D) +- 2"	W (1.20 D) +- 2"
12"	.064"	.060"	5"	6"	6"	1'8"	2'0"
15"	.064"	.060"	6"	7"	6"	2'3"	2'6"
18"	.064"	.060"	7"	9"	6"	2'6"	3'0"
24"	.064"	.060"	9"	1'0"	6"	3'4"	4'0"
30"	.079"	.105"	1'0"	1'3"	7"	4'2"	5'0"
36"	.079"	.105"	1'0"	1'6"	9"	5'0"	6'0"
42"	.109"	.164"	1'5"	1'9"	0"	5'10"	7'0"

NOTE: WHERE METAL FLARED END SECTIONS ARE USED WITH MULTIPLE PIPE LINES, THE STANDARD SPACING BETWEEN PIPES (1.5 D OR 2 FT.) MAY HAVE TO BE INCREASED 1.5 FT. TO 2 FT. TYPICALLY TO PREVENT OVERLAP OF END SECTION WINGTIPS. SEE ALSO STD. 1030.

FLEXIBLE DELINEATOR (IF REQ'D.-See Gen. Note *5)

NOTE: SLOPE DRAIN PIPES WILL REQUIRE AN ELBOW FOR CONNECTION TO THE FLARED END SECTION. PAYMENT FOR SLOPE DRAIN PIPE WILL INCLUDE THIS ELBOW.

FRONT

NOTE "D":
THE CONNECTION BETWEEN METAL FLARED END SECTION AND C.M.PIPE WILL BE ONE OF THE FOLLOWING:
(a) A STRAP BAND OR THREADED ROD PROVIDED BY THE MANUFACTURER WILL LOCK END SECTION INTO PIPE, A CORRUGATION AT THE PIPE END WILL BE NON-SPIRALED (PERPENDICULAR TO CL OF PIPE.)
(b) A CMPE BAND COLLAR WILL BE SHOP BOLTED TO END SECTION. PIPE WILL BE INSERTED INTO BAND COLLAR TO MEET THE END SECTION.
(c) A STUB PIPE WILL BE RIVETED TO THE END SECTION AND THE MAIN PIPE CONNECTED TO THE STUB WITH A NORMAL CONNECTING BAND.
(d) OTHER TYPE CONNECTION IF RECOMMENDED BY MANUFACTURER AND APPROVED BY THE G.D.O.T.

SPECIAL NOTE:
FLARED END SECTIONS ARE NORMALLY LIMITED TO USE OUTSIDE THE CLEAR ZONE OR BEHIND BARRIER AND WHERE HYDRAULICS PERMIT. SEE OTHER STANDARDS OR DETAILS FOR TAPERED HEADWALLS, SAFETY SLOPE END SECTIONS OR OTHER PIPE END STRUCTURES.

GENERAL NOTES :
1. TOEWALLS ARE REQ'D. FOR OUTLETS OF CONC. STORM DRAINS, EXCEPT WHERE DITCH PAVING OR OTHER EROSION PROTECTION IS PROVIDED OR WHERE OUTLET VELOCITY IS LESS THAN 8 FT/SEC. TOEWALLS ARE NOT REQUIRED FOR SIDE DRAINS, SLOPE DRAINS OR INLETS OF STORM DRAINS. THIS CRITERIA MAY BE VARIED WHERE SPECIFIED BY THE DESIGNER OR THE ENGINEER.
2. TOEWALLS WILL BE PAID FOR AS CU.YDS. OF CLASS "A" OR "B" CONCRETE. CONTRACTOR MAY ELECT TO CONSTRUCT TOE WALL WITH SAND CEMENT BAG RIPRAP OR STONE RIPRAP TO SAME MINIMUM DIMENSIONS WITH NO ADDITIONAL PAYMENT.
3. PRECAST TOEWALLS SHALL BE CL."A" CONCRETE; CAST-IN-PLACE TOEWALLS MAY BE CL. "A" OR "B" CONCRETE AND MAY BE TRENCH FORMED WHERE PLANS ITEMIZE ONE CLASS OF CONCRETE AND CONTRACTOR ELECTS TO USE OTHER CLASS. NO ADDITIONAL PAYMENT IS MADE. NO PAYMENT IS MADE FOR STEEL IN TOEWALLS.
4. CENTERLINE OF FLARED END SECTION WILL ALIGN WITH CENTERLINE OF PIPE, IF PIPE IS SKEWED, THE EMBANKMENT SLOPE WILL BE WARPED TO CONFORM WITH END SECTION.
5. FLEXIBLE DELINEATORS SHALL BE REQUIRED AT CROSS DRAIN FLARED END SECTIONS, BOTH INLET AND OUTLET. PAYMENT FOR FLEXIBLE DELINEATORS SHALL INCLUDE DELINEATORS, SEE DETAIL AND NOTES BELOW. DELINEATORS NOT REQ'D. FOR SIDE DRAIN, SLOPE DRAIN, OR LONG PIPE.

3" X 12" LONG YELLOW REFLECTIVE SHEETING TYPE IV, ON EACH SIDE OF RIDGE.

DELINEATOR POST SECTION (TYP.)

3" X 12" LONG YELLOW REFLECTIVE SHEETING TYPE IV

NOTES:
DELINEATOR POST SHALL CONFORM TO SEC. 9170R FLEXIBLE DELINEATOR POST EXCEPT REFLECTIVE SHEETING IS NOT REQUIRED (SEE LENGTH IS 4'-0" FROM TOP TO BOTTOM POINT). ALTERNATES PERMITTED IF APPROVED BY GA. DOT LABORATORY.

SPECIAL NOTE *:
SEE GDOT STD. 1030 FOR STANDARD MINIMUM INSIDE DIAMETERS IN ACCORDANCE WITH GEORGIA STANDARDS FOR PIPE CULVERTS. "D" DIMENSION FOR FLARED END SECTION SHALL EQUAL THE "D" DIMENSION FOR CONNECTING PIPE CULVERT.

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

STANDARD
FLARED END SECTIONS
FOR PIPES

NO SCALE — REV.& REDR. SEPT., 1999

DESIGNED ____ SUBMITTED
DRAWN ____ STATE ROAD & TOLLWAY DESIGN ENGINEER
TRACED ____
CHECKED ____ APPROVED
CHIEF ENGINEER

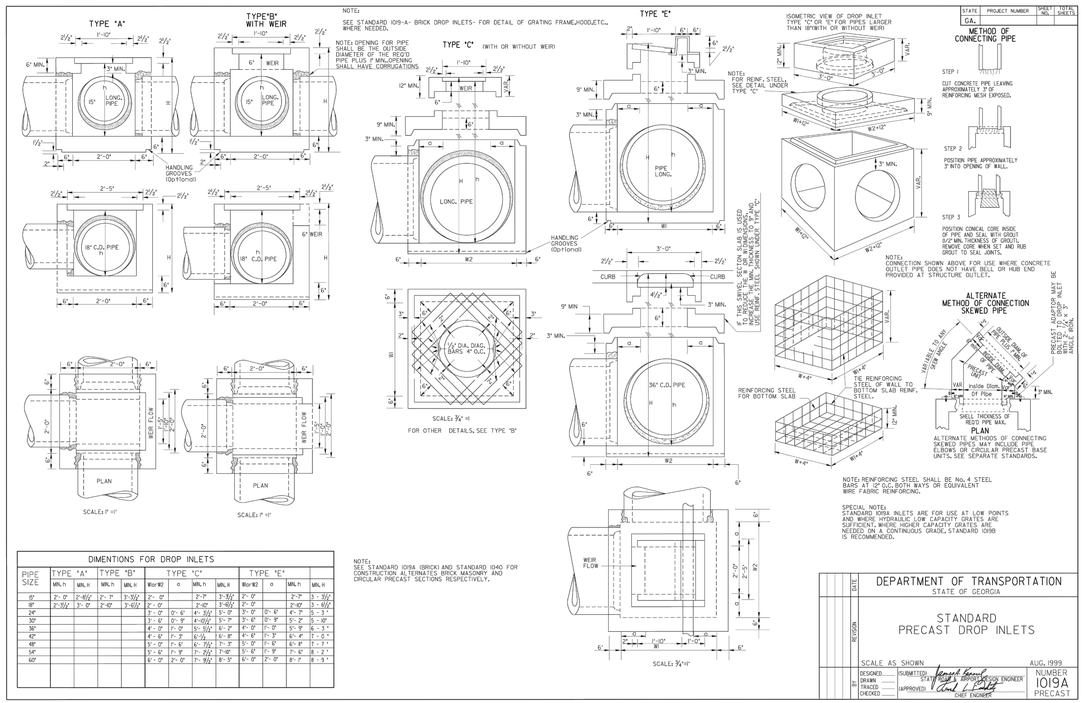
NUMBER 1120

REFLECTIVE SHEETING — 6-1-76 — DATE
REVISION — BY

REVISED	
DESIGNED	
DRAWN	
TRACED	
CHECKED	

PRECAST DROP INLET DETAIL - GDOT 1019A

NOT TO SCALE



DIMENTIONS FOR DROP INLETS

PIPE SIZE	TYPE "A"		TYPE "B"		TYPE "C"				TYPE "E"			
	W or W2	H	W or W2	H	W or W2	O	W1	H	W or W2	O	W1	H
15"	2'-0"	2'-6½"	2'-7"	3'-3½"	2'-0"	0"	2'-7"	3'-3½"	2'-0"		2'-7"	3'-3½"
18"	2'-3½"	3'-0"	2'-10"	3'-6½"	2'-0"	0"	2'-10"	3'-6½"	2'-0"		2'-10"	3'-6½"
24"					3'-0"	0'-6"	4'-3½"	5'-0"	3'-0"	0'-6"	4'-7"	5'-3"
30"					3'-6"	0'-9"	4'-10½"	5'-7"	3'-6"	0'-9"	5'-2"	5'-10"
36"					4'-0"	1'-0"	5'-5½"	6'-2"	4'-0"	1'-0"	5'-9"	6'-3"
42"					4'-6"	1'-3"	6'-1½"	6'-8"	4'-6"	1'-3"	6'-4"	7'-0"
48"					5'-0"	1'-6"	6'-7½"	7'-3"	5'-0"	1'-6"	6'-8"	7'-7"
54"					5'-6"	1'-9"	7'-2½"	7'-10"	5'-6"	1'-9"	7'-6"	8'-2"
60"					6'-0"	2'-0"	7'-9½"	8'-5"	6'-0"	2'-0"	8'-1"	8'-9"

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

STANDARD
PRECAST DROP INLETS

SCALE AS SHOWN — AUG., 1999

DESIGNED ____ SUBMITTED
DRAWN ____ STATE ROAD & TOLLWAY DESIGN ENGINEER
TRACED ____
CHECKED ____ APPROVED
CHIEF ENGINEER

NUMBER 1019A
PRECAST

DATE — 6-1-76
REVISION — BY

REVISED	
DESIGNED	
DRAWN	
TRACED	
CHECKED	

AXIS ENGINEERING CONSULTANTS
LEESBURG ★ VALDOSTA ★ WARNER ROBINS

GEORGIA — AXIS ENGINEERING CONSULTANTS — PEF009117 — 06/30/2026 — CERTIFICATE OF AUTHORIZATION

REVISIONS

No.	DATE	DESCRIPTION
1	02/25/26	REVISIONS PER OWNER - VALUE ENGINEERING
2	04/02/26	REVISIONS PER GDOT COMMENTS
3	04/09/26	REVISIONS PER GTC COMMENTS
4	04/22/26	REVISIONS PER OWNER
5	04/30/26	REVISIONS PER GDOT COMMENTS
6	07/17/26	ISSUED FOR CONSTRUCTION

GEORGIA — REGISTERED — No. PE032671 PROFESSIONAL ENGINEER — BRYAN HILL BRAUN — 07/15/2026

CONSTRUCTION DETAILS

TA TRAVEL CENTER JEFFERSONVILLE, GA

TWIGGS COUNTY, GA

PROJECT NO.	25-25019
DATE:	11/03/2025
DRAWN BY:	AF
CHECK BY:	JM

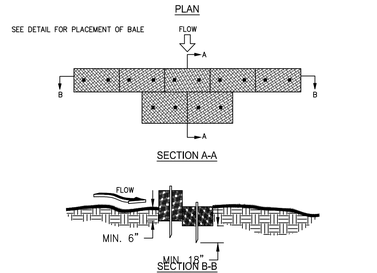
STROUD AND COMPANY

SCALE: NOT TO SCALE

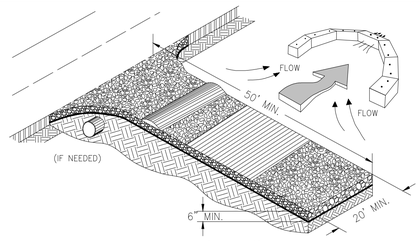
SHEET NO. C15.6

Z:\Shared\AEC\Projects\2025\25-25019 Stroud - TA Travel Center Jeffersonville, GA\DWG\25-25019_A01.dwg - 7/17/2026 8:46 AM

TYPICAL STRAW BALE CHECK DAM

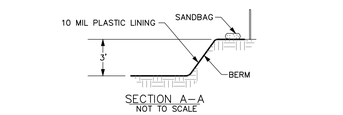


NOTES:
1. BALES SHOULD BE BOUND WITH WIRE OR NYLON STRING AND SHOULD BE PLACED IN ROWS WITH BALE ENDS TIGHTLY ABUTTING THE ADJACENT BALES.
2. REMOVE #4 REBAR AFTER STRAW BALES ARE NO LONGER IN PLACE.
3. POINT C OF SECTION B-B SHOULD ALWAYS BE HIGHER THAN POINT D.

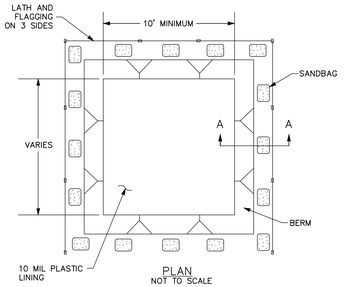


NOTES:
1. AVOID LOCATING ON STEEP SLOPES OR AT CURVES ON PUBLIC ROADS.
2. REMOVE ALL VEGETATION AND OTHER UNSUITABLE MATERIAL FROM THE FOUNDATION AREA, GRADE, AND CROWN FOR POSITIVE DRAINAGE.
3. AGGREGATE SIZE SHALL BE IN ACCORDANCE WITH NATIONAL STONE ASSOCIATION R-2 (1.5"-3.5" STONE).
4. GRAVEL PAD 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.

CONCRETE WASHOUT AREA



SECTION A-A
NOT TO SCALE



PLAN
NOT TO SCALE

TYPE "BELOW GRADE"

DEFINITION

Applying plant residues or other suitable materials, produced on the site if possible, to the soil surface.

CONDITIONS

Mulch or temporary grassing shall be applied to all exposed areas within 14 days of disturbance. Mulch can be used as a singular erosion control device for up to six months, but it shall be applied at the appropriate depth, depending on the material used, anchored, and have a continuous 90% cover.gr greater of the soil surface. Maintenance shall be required to maintain appropriate depth and 90% cover. Temporary vegetation may be employed instead of mulch if the area will remain undisturbed for less than six months. If an area will remain undisturbed for greater than six months, permanent vegetative techniques shall be employed.

SPECIFICATIONS

MULCHING WITHOUT SEEDING

This standard applies to grades or cleared areas where seedings may not have a suitable growing season to produce an erosion retardant cover, but can be stabilized with a mulch cover.

Site Preparation

1. Grade to permit the use of equipment for applying and anchoring mulch.
2. Install needed erosion control measures as required such as dikes, diversions, berms, terraces and sediment barriers.
3. Loosen compact soil to a minimum depth of 3 inches.

Mulching Materials

Select one of the following materials and apply at the depth indicated:

1. Dry straw or hay shall be applied at a depth of 2 to 4 inches providing complete soil coverage. One advantage of this material is easy application.
2. Wood waste (chips, sawdust or bark) shall be applied at a depth of 2 to 3 inches. Organic material from the clearing stage of development should remain on site, be chipped, and applied as mulch. This method of mulching can greatly reduce erosion control costs.
3. Polyethylene film shall be secured over banks or stockpiled soil material for temporary protection. This material can be salvaged and re-used.

Applying Mulch

When mulch is used without seeding, mulch shall be applied to provide full coverage of the exposed area.
1. Dry straw or hay mulch and wood chips shall be applied uniformly by hand or by mechanicalequipment.
2. If the area will eventually be covered with perennial vegetation, 20-30 pounds of nitrogen per acre in addition to the normal amount shall be applied to offset the uptake of nitrogen caused by the decomposition of the organic mulches.
3. Apply polyethylene film on exposed areas.

Anchoring Mulch

1. Straw or hay mulch can be pressed into the soil with a disk harrow with the disk set straight or with a special "packer disk." Disks may be smooth or serrated and should be 20 inches or more in diameter and 8 to 12 inches apart. The edges of the disk should be dull enough not to cut the mulch but to press it into the soil leaving much of it in an erect position. Straw or hay mulch shall be anchored immediately after application. Straw or hay mulch spread with special blower-type equipment may be anchored with emulsified asphalt (Grade AE-S or SS-1). The asphalt emulsion shall be sprayed onto the mulch as it is ejected from the machine. Use 100 gallons of emulsified asphalt and 100 gallons of water per ton of mulch. Tackifers and binders can be substituted for emulsified asphalt. Please refer to specification Tb -Tackifers and Binders. Plastic mesh or netting with mesh no larger than one inch by one inch shall be installed according to manufacturer's specifications.
2. Netting of the appropriate size shall be used to anchor wood waste. Openings of the netting shall not be larger than the average size of the wood waste chips.
3. Polyethylene film shall be anchor trenched at the top as well as incrementally as necessary.

Ds1 DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)

DEFINITION

The establishment of temporary vegetative cover with fast growing seedings for seasonal protection on disturbed or denuded areas.

CONDITIONS

Temporary grassing, instead of mulch, can be applied to rough graded areas that will be exposed for less than six months. Temporary vegetative measures should be coordinated with permanent measures to assure economical and effective stabilization. Most types of temporary vegetation are ideal to use as companion crops until the permanent vegetation is established.

SEEDING RATES FOR TEMPORARY SEEDING

SPECIES	RATE Per 1,000 sq.ft.	RATE Per Acre *	PLANTING DATES **
Rye	3.9 pounds	3 bu.	9/1-3/1
Ryegrass	0.9 pound	40 lbs.	8/15-4/1
Annual Lespedeza	0.9 pound	40 lbs.	1/15-3/15
Weeping Lovegrass	0.1 pound	4 lbs.	2/15-6/15
Sudangrass	1.4 pounds	60 lbs.	3/1-8/1
Browntop Millet	0.9 pound	40 lbs.	4/1-7/15
Wheat	4.1 pounds	3 bu.	9/15-2/1

* Unusual site conditions may require heavier seeding rates
** Seeding dates may need to be altered to fit temperture variations and conditions.

SPECIFICATIONS

Grading and Shaping

Excessive water run-off shall be reduced by properly designed and installed erosion control practices such as closed drains, ditches, dikes, diversions, sediment barriers and others.

No shaping or grading is required if slopes can be stabilized by hand-seeded vegetation or if hydraulic seeding equipment is to be used.

Seedbed Preparation

When a hydraulic seeder is used, seedbed preparation is not required. When using conventional or handseeding, seedbed preparation is not required if the soil material is loose and not sealed by rainfall.

When soil has been sealed by rainfall or consists of smooth cut slopes, the soil shall be pitted, trenched or otherwise scarified to provide a place for seed to lodge and germinate.

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.

Seeding

Select a grass or grass-legume mixture suitable to the area and season of the year. Seed shall be applied uniformly by hand, cyclone seeder, drill, cultipacker seeder, or hydraulic seeder (slurry including seed and fertilizer). Drill or cultipacker seeders should normally place seed one-quarter to one-half inch deep. Appropriate depth of planting is ten times the seed diameter. Soil should be "raked" lightly to cover seed with soil if seeded by hand.

Mulching

Temporary vegetation can, in most cases, be established without the use of mulch. Mulch without seeding should be considered for short term protection. Refer to Ds1 - Disturbed Area Stabilization (With Mulching Only).

Irrigation

During times of drought, water shall be applied at a rate not causing runoff and erosion. The soil shall be thoroughly wetted to a depth that will insure germination of the seed. Subsequent applications should be made when needed.

CHECK DAM - STRAW BALE

NOT TO SCALE

Cd-Hb

DEFINITION

The planting of perennial vegetation such as trees, shrubs, vines, grasses, or legumes on exposed areas for final permanent stabilization. Permanent perennial vegetation shall be used to achieve final stabilization.

CONDITIONS

Permanent perennial vegetation is used to provide a protective cover for exposed areas including cuts, fills, dams, and other denuded areas.

SPECIFICATIONS

Grading and Shaping

Grading and shaping may not be required where hydraulic seeding and fertilizing equipment is to be used. Vertical banks shall be sloped to enable plant establishment.

When conventional seeding and fertilizing are to be done, grade and shape where feasible and practical, so that equipment can be used safely and efficiently during seedbed preparation, seeding, mulching and maintenance of the vegetation.

oncentrations of water that will cause excessive soil erosion shall be diverted to a safe outlet. Diversions and other treatment practices shall conform with the appropriate standards and specifications.

Seedbed Preparation

Seedbed preparation may not be required where hydraulic seeding and fertilizing equipment is to be used. When conventional seeding is to be used, seedbed preparation will be done as follows:

Broadcast plantings

1. Tillage at a minimum, shall adequately loosen the soil to a depth of 4 to 6 inches; alleviate compaction; incorporate lime and fertilizer; smooth and firm the soil; allow for the proper placement of seed, sprigs, or plants; and allow for the anchoring of straw or hay mulch if a disk is to be used.
2. Tillage may be done with any suitable equipment.
3. Tillage should be done on the contour where feasible.
4. On slopes too steep for the safe operation of tillage equipment, the soil surface shall be pitted or trenched across the slope with appropriate hand tools to provide two places 6 to 8 inches apart in which seed may lodge and germinate. Hydraulic seeding may also be used.

Individual Plants

1. Where individual plants are to be set, the soil shall be prepared by excavating holes, opening furrows, or dibble planting.
2. For nursery stock plants, holes shall be large enough to accommodate roots without crowding.
3. Where pine seedlings are to be planted, subsoil under the row 36 inches deep on the contour four to six months prior to planting. Subsoiling should be done when the soil is dry, preferably in August or September.

Lime and Fertilizer Rates and Analysis

Agricultural lime is required at the rate of one to two tons per acre unless soil tests indicate otherwise. Graded areas require lime application. If lime is applied within six months of planting permanent perennial vegetation, additional lime is not required. Agricultural lime shall be within the specifications of the Georgia Department of Agriculture.

Lime spread by conventional equipment shall be "ground limestone." Ground limestone is calcitic or dolomitic limestone ground so that 90 percent of the material will pass through a 10-mesh sieve, not less than 50 percent will pass through a 50-mesh sieve and not less than 25 percent will pass through a 100-mesh sieve.

Fast-acting lime spread by hydraulic seeding equipment should be "finely ground limestone" spanning from the 180 micron size to the 5 micron size. Finely ground limestone is calcitic or dolomitic limestone ground so that 95 percent of the material will pass through a 100-mesh sieve.

It is desirable to use dolomitic limestone in the Sand Hills, Southern Coastal Plain and Atlantic Coast Flatwoods MLRAs. (See Figure 6-4.1)

Agricultural lime is generally not required where only trees are planted.

Initial fertilization, nitrogen, topdressing, and maintenance fertilizer requirements for each species or combination of species are listed in Table 6-5.1.

Lime and Fertilizer Application

When hydraulic seeding equipment is used, the initial fertilizer shall be mixed with seed, innoculant (if needed), and wood cellulose or wood pulp fiber mulch and applied in a slurry. The innoculant, if needed, shall be mixed with the seed prior to being placed into the hydraulic seeder. The slurry mixture will be agitated during application to keep the ingredients thoroughly mixed. The mixture will be spread uniformly over the area within one hour after being placed in the hydroseeder.

Finely ground limestone can be applied in the mulch slurry or in combination with the top dressing.

When conventional planting is to be done, lime and fertilizer shall be applied uniformly in one of the following ways:

1. Apply before land preparation so that it will be mixed with the soil during seedbed preparation.

2. Mix with the soil used to fill the holes, distribute in furrows.

3. Broadcast after steep surfaces are scarified, pitted or trenched.

4. A fertilizer pellet shall be placed at root depth in the closing hole beside each pine tree seeding.

Planting

Hydraulic Seeding

Mix the seed (innoculated if needed), fertilizer, and wood cellulose or wood pulp fiber mulch with water and apply in a slurry uniformly over the area to be treated. Apply within one hour after the mixture is made.

Conventional Seeding

Seeding will be done on a freshly prepared and firmed seedbed. For broadcast planting, use a cultipacker seeder, drill, rotary seeder, other mechanical seeder, or hand seeding to distribute the seed uniformly over the area to be treated. Cover the seed lightly with 1/8 to 1/4 inch of soil for small seed and 1/2 to 1 inch for large seed when using a cultipacker or other suitable equipment.

No-Till Seeding

No-till seeding is permissible into annual cover crops when planting is done following maturity of the cover crop or if the temporary cover stand is sparse enough to allow adequate growth of the permanent (perennial) species. No-till seeding shall be done with appropriate no-till seeding equipment. The seed must be uniformly distributed and planted at the proper depth.

Individual Plants

Shrubs, vines and sprigs may be planted with appropriate planters or hand tools. Pine trees shall be planted manually in the subsoil furrow. Each plant shall be set in a manner that will avoid crowding the roots. Nursery stock plants shall be planted at the same depth or slightly deeper than they grew at the nursery. The tips of vines and sprigs must be at or slightly above the ground surface. Where individual holes are dug, fertilizer shall be placed in the bottom of the hole, two inches of soil shall be added and the plant shall be set in the hole.

Mulching

Mulch is required for all permanent vegetation applications. Mulch applied to seeded areas shall achieve 75% soil cover. Select the mulching material from the following and apply as indicated:

1. Dry straw or dry hay of good quality and free of weed seeds can be used. Dry straw shall be applied at the rate of 2 tons per acre. Dry hay shall be applied at a rate of 2 1/2 tons per acre.
2. Wood cellulose mulch or wood pulp fiber shall be used with hydraulic seeding. It shall be applied at the rate of 500 pounds per acre. Drystraw or dry hay shall be applied (at the rate indicated above) after hydraulic seeding.
3. One thousand pounds of wood cellulose or wood pulp fiber, which includes a tackifier, shall be used with hydraulic seeding on slopes 3/4:1 or steeper.
4. Sericea lespedeza hay containing mature seed shall be applied at a rate of three tons per acre.
5. Pine straw or pine bark shall be applied at a thickness of 3 inches for bedding purposes. Other suitable materials in sufficient quantity may be used where ornamentals or other ground covers are planted. This is not appropriate for seeded areas.
6. When using temporary erosion control blankets or block sod, mulch is not required.
7. Bituminous treated roving may be applied on planted areas on slopes, in ditches or dry waterways to prevent erosion. Bituminous treated roving shall be applied within 24 hours after an area has been planted. Application rates and materials must meet Georgia Department of Transportation specifications.

Wood cellulose and wood pulp fibers shall not contain germination or growth inhibiting factors. They shall be evenly dispersed when agitated in water. The fibers shall contain a dye to allow visual metering and aid in uniform application during seeding.

Applying Mulch

Straw or hay mulch will be spread uniformly within 24 hours after seeding and/or planting. The mulch may be spread by blower-type spreading equipment, other spreading equipment or by hand. Mulch shall be applied to cover 75% of the soil surface.

Wood cellulose or wood fiber mulch shall be applied uniformly with hydraulic seeding equipment.

Anchoring Mulch

Anchor straw or hay mulch immediately after application by one of the following methods:
1. Emulsified asphalt can be (a) sprayed uniformly onto the mulch as it is ejected from the blower machine or (b) sprayed on the mulch immediately following mulch application when straw or hay is spread by methods other than special blower equipment.

CONSTRUCTION EXIT

NOT TO SCALE

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The combination of asphalt emulsion and water shall consist of a homogeneous mixture satisfactory for spraying. The mixture shall consist of 100 gallons of grade SS-1h or CSS-1h emulsified asphalt and 100 gallons of water per ton of mulch.
Care shall be taken at all times to protect state waters, the public, adjacent property, pavements, curbs, sidewalks, and all other structures from asphalt discoloration.
2. Hay and straw mulch shall be pressed into the soil immediately after the mulch is spread. A special "packer disk" or disk harrow with the disks set straight may be used. The disks may be smooth or serrated and should be 20 inches or more in diameter and 8 to 12 inches apart. The edges of the disks shall be dull enough to press the mulch into the ground without cutting it, leaving much of it in an erect position. Mulch shall not be plowed into the soil.
3. Synthetic tackifiers or binders approved by DOT shall be applied in conjunction with or immediately after the mulch is spread. Synthetic tackifiers shall be mixed and applied according to manufacturer's specifications. Refer to Tb - Tackifiers and Binders.
4. Rye or wheat can be included with Fall and Winter plantings to stabilize the mulch. They shall be applied at a rate of one-quarter to one half bushel per acre.
5. Plastic mesh or netting with mesh no larger than one inch by one inch may be needed to anchor straw or hay mulch on unstable soils and concentrated flow areas. These materials shall be installed and anchored according to manufacturer's specifications.

Irrigation

Irrigation shall be applied at a rate that will not cause runoff.

SEEDING RATES FOR PERMANENT SEEDING

SPECIES	RATE Per 1,000 sq.ft.	RATE Per Acre *	PLANTING DATES **
BAHIA	1.4 POUNDS	60 LBS.	1/1-12/31
BERMUDA	0.2 POUND	10 LBS.	2/15-7/1
CENTIPEDE	BLOCK SOD ONLY	BLOCK SOD ONLY	4/1-7/1
LESPEDEZA	1.7 POUNDS	75 LBS.	1/1-12/31
WEEPING LOVE GRASS	0.1 POUND	4 LBS.	2/1-6/15
SWITCH GRASS	0.9 POUND	40 LBS.	3/15-6/1

* Unusual site conditions may require heavier seeding rates
** Seeding dates may need to be altered to fit temperature variations and conditions.

Ds3 DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION)

CONCRETE WASHOUT AREA

NOT TO SCALE

CWA

DEFINITION

A permanent vegetation using sods on highly erodible or critically eroded lands.

CONDITIONS

This application is appropriate for areas which require immediate vegetative covers, drop inlets, grass swales, and waterways with intermittent flow .

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 stand. Don't use topsoil recently treated with herbicides or soil sterilants.
- Mix fertilizer into soil surface. Fertilize based on soil tests or Table 6-6.1. For fall planting of warm season species, half the fertilizer should be applied at planting and the other half in the spring.

Table 6-6.1. Fertilizer Requirements for Soil Surface Application

Fertilizer Type (lbs./acre)	Fertilizer Rate (lbs./acre)	Fertilizer Rate	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 wooden or biodegradable 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.
- Sod should be machine cut and contain 3/4" ±1/4" of soil, not including shoots or thatch.
- Sod should be cut to the desired size within ±5%. Torn or uneven pads should be rejected.
- Sod should be cut and installed within 36 hours of digging.
- Avoid planting when subject to frost heave or not weather if irrigation is not available.
- The sod type should be shown on the plans or installed according to Table 6-6.2. See Figure 6-4.1 for your Resource Area.

Table 6-6.2. Sod Planting Requirements

Grass	Varieties	Resource Area	Growing Season
Bermudagrass	Common Tifway Tifgreen Tiflawn	M-L,P,C P,C P,C P,C	Warm Weather
Bahiagrass	Pensacola	P,C	Warm Weather
Centipede	-	P,C	Warm Weather
St. Augustine	Common Bitterblue Raleigh	C	Warm Weather
Zoysia	Emerald Myer	P,C	Warm Weather
Tall Fescue	Kentucky	M-L,P	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.
- Apply one ton of agricultural lime as indicated by soil test or every 4-6 years.
- Fertilize grasses in accordance with soil tests or Table 6-6.3.

Table 6-6.3. 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

Ds4 DISTURBED AREA STABILIZATION (WITH SODDING)

DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)

NOT TO SCALE

DEFINITION

Controlling surface and air movement of dust on construction sites, roads, and demolition sites.

CONDITIONS

This practice is applicable to areas subject to surface and air movement of dust where on and off-site damage may occur without treatment.

METHOD AND MATERIALS

A. TEMPORARY METHODS

Mulches. See standard Ds1 - Disturbed Area Stabilization (With Mulching Only). Synthetic resins may be used instead of asphalt to bind mulch material. Refer to standard Tb-Tackifers and Binders. Resins such as Curasol or Terratack should be used according to manufacturer's recommendations.

Vegetative Cover. See standard Ds2 - Disturbed Area Stabilization (With Temporary Seeding).

Spray-on Adhesives. These are used on mineral soils (not effective on muck soils). Keep traffic off these areas. Refer to standard Tb-Tackifiers and Binders.

Tillage. This practice is designed to roughen and bring clods to the surface. It is an emergency measure which should be used before wind erosion starts. Begin plowing on windward side of site. Chisel-type plows spaced about 12 inches apart, spring-toothed harrows, and similar plows are examples of equipment which may produce the desired effect.

Irrigation. This is generally done as an emergency treatment. Site is sprinkled with water until the surface is wet. Repeat as needed.

Barriers. Solid board fences, snow fences, burlap fences, crate walls, bales of hay and similar material can be used to control air currents and soil blowing. Barriers placed at right angles to prevailing currents at intervals of about 15 times their height are effective in controlling wind erosion.

Calcium Chloride. Apply at rate that will keep surface moist. May need retreatment.

B. PERMANENT METHODS

Permanent Vegetation. See standard Ds3 -Disturbed Area Stabilization (With Permanent Vegetation). Existing trees and large shrubs may afford valuable protection if left in place.

Topsoiling. This entails covering the surface with less erosive soil material. See standard Tp - Topsoiling.

Stone. Cover surface with crushed stone or coarse gravel. See standard Cr-Construction Road Stabilization.

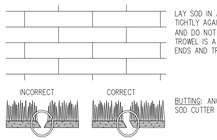
Du DUST CONTROL ON DISTURBED AREAS

DISTURBED AREA STABILIZATION (TEMPORARY SEEDING)

NOT TO SCALE

SOD MAINTENANCE AND INSTALLATION

SOD LAYOUT AND PREPARATION



LAY SOD IN A STAGGERED PATTERN. BUTT THE STRIPS TIGHTLY AGAINST EACH OTHER. DO NOT LEAVE SPACES AND DO NOT OVERLAP. A SHARPENED MASON'S TROWEL IS A HANDY TOOL FOR TUCKING DOWN THE ENDS AND TRIMMING PIECES.

BUTTING: ANGLED ENDS CAUSED BY THE AUTOMATIC SOD CUTTER MUST BE MATCHED CORRECTLY.

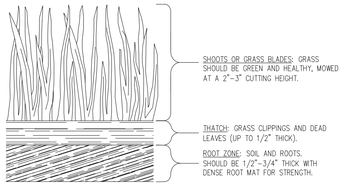
DIRECTIONS FOR INITIAL MAINTENANCE

Step 1. ROLL SOD IMMEDIATELY TO ACHIEVE FIRM CONTACT WITH THE SOIL

Step 2. WATER TO A DEPTH OF 4" AS NEEDED. WATER WELL AS SOON AS THE SOD IS LAID.

Step 3. MOW WHEN THE SOD IS ESTABLISHED -- IN 2-3 WEEKS. SET THE MOWER HIGH (2"-3").

APPEARANCE OF GOOD SOD

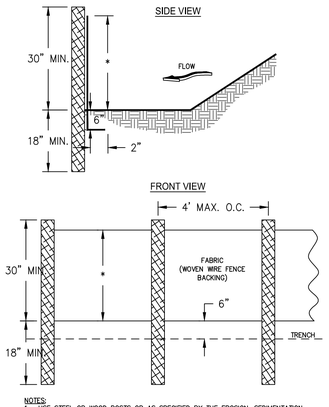


SHOOTS OR GRASS BLADES: GRASS SHOULD BE GREEN AND HEALTHY, MOWED AT A 2"-3" CUTTING HEIGHT.

THATCH: GRASS CLIPPINGS AND DEAD LEAVES (UP TO 1/2" THICK).

ROOT ZONE: SOIL AND ROOTS. SHOULD BE 1/2"-3/4" THICK WITH DENSE ROOT MAT FOR STRENGTH.

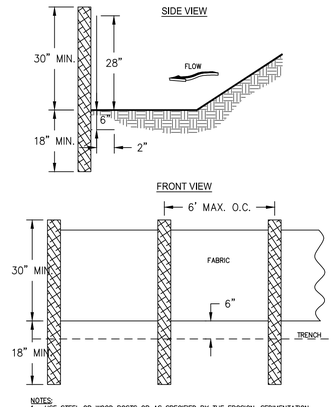
SILT FENCE - TYPE SENSITIVE



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.

SEDIMENT BARRIER - SENSITIVE SILT FENCE
NOT TO SCALE
Sd1-S

SILT FENCE - TYPE NON-SENSITIVE



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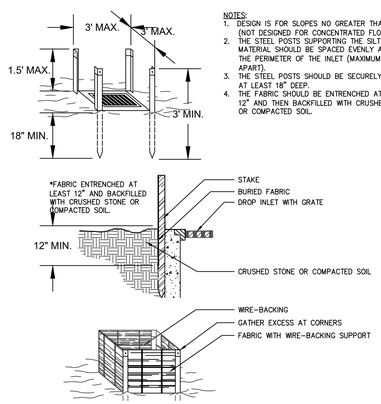
SEDIMENT BARRIER - NON-SENSITIVE SILT FENCE
NOT TO SCALE
Sd1-NS

FABRIC AND SUPPORTING FRAME FOR INLET PROTECTION

STEEL FRAME AND SILT FENCE INSTALLATION



NOTES:
1. DESIGN IS FOR SLOPES NO GREATER THAN 5% (NOT DESIGNED FOR CONCENTRATED FLOWS).
2. THE STEEL POSTS SUPPORTING THE SILT FENCE MATERIAL SHOULD BE SPACED EVENLY AROUND THE PERIMETER OF THE INLET (MAXIMUM OF 3' APART).
3. THE STEEL POSTS SHOULD BE SECURELY DRIVEN AT LEAST 18" DEEP.
4. THE FABRIC SHOULD BE ENTRENCHED AT LEAST 12" AND THEN BACKFILLED WITH CRUSHED STONE OR COMPACTED SOIL.

INLET SEDIMENT TRAP - FILTER FABRIC WITH SUPPORTING FRAME
NOT TO SCALE
Sd2-F

GSWCC GEORGIA SOIL AND WATER CONSERVATION COMMISSION

Brian H. Braun
LEVEL II CERTIFIED DESIGN PROFESSIONAL

CERTIFICATION NUMBER: 0000007595
ISSUED: 02/26/2023 EXPIRES: 02/26/2026

AXIS ENGINEERING CONSULTANTS
LEESBURG ★ VALDOSTA ★ WARNER ROBINS

GEORGIA — AXIS ENGINEERING CONSULTANTS PEF009117 06/30/2026 — CERTIFICATE OF AUTHORIZATION

REVISIONS

No.	DATE	DESCRIPTION
1	02/25/26	REVISIONS PER OWNER - VALUE ENGINEERING
2	04/02/26	REVISIONS PER GDOT COMMENTS
3	04/09/26	REVISIONS PER GTC COMMENTS
4	04/22/26	REVISIONS PER OWNER
5	04/30/26	REVISIONS PER GDOT COMMENTS
6	07/17/26	ISSUED FOR CONSTRUCTION

GEORGIA — REGISTERED — No. PE032671 PROFESSIONAL 07/15/2026 — ENGINEER — BRYAN HILL BRAUN

EROSION CONTROL DETAILS

TA TRAVEL CENTER JEFFERSONVILLE, GA

TWIGGS COUNTY, GA

PROJECT NO. 25-25019
DATE: 11/03/2025
DRAWN BY: AF
CHECK BY: JM

STROUD AND COMPANY

SCALE: NOT TO SCALE

SHEET NO. C16.0

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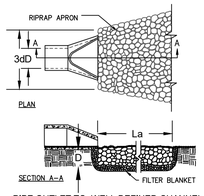
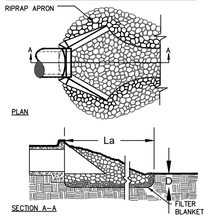
RIPRAP OUTLET PROTECTION

PIPE OUTLET TO FLAT AREA -- NO WELL DEFINED CHANNEL



PIPE OUTLET TO WELL DEFINED CHANNEL



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

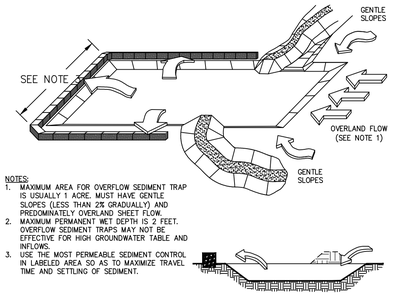
OUTLET PROTECTION
NOT TO SCALE

St

TEMPORARY SEDIMENT TRAP

COURTESY OF CITY OF KNOXVILLE BMP EROSION AND SEDIMENT

OVERFLOW

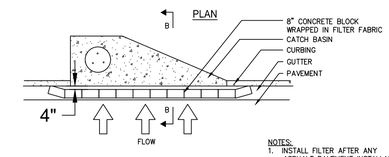


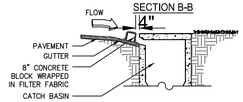
NOTES:
1. MAXIMUM AREA FOR OVERFLOW SEDIMENT TRAP IS USUALLY 1 ACRE, MUST HAVE GENTLE SLOPES (LESS THAN 2% GRADUALLY) AND PREDOMINATELY OVERLAND SHEET FLOW.
2. MAXIMUM PERMANENT WET DEPTH IS 2 FEET. OVERFLOW SEDIMENT TRAPS MAY NOT BE EFFECTIVE FOR HIGH GROUNDWATER TABLE AND INFLOWS.
3. USE THE MOST PERMEABLE SEDIMENT CONTROL IN LABELED AREA SO AS TO MAXIMIZE TRAVEL TIME AND SETTLING OF SEDIMENT.

TEMPORARY SEDIMENT TRAP - OVERFLOW DETAIL
NOT TO SCALE

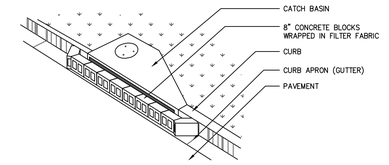
Sd4-A

CURB INLET FILTER "PIGS IN BLANKET"





NOTES:
1. INSTALL FILTER AFTER ANY ASPHALT PAVEMENT INSTALLATION.
2. WRAP 8" CONCRETE BLOCKS IN FILTER FABRIC AND SPAN ACROSS CATCH BASIN INLET.
3. FACE OPENINGS IN BLOCKS OUTWARD.
4. LEAVE A GAP OF APPROXIMATELY 4 INCHES BETWEEN THE CURB AND THE FILTERS TO ALLOW FOR OVERFLOW TO PREVENT HAZARDOUS PONDING.
5. INSTALL OUTLET PROTECTION BELOW STORM DRAIN OUTLETS.



INLET SEDIMENT TRAP - CURB INLET PROTECTION
NOT TO SCALE

Sd2-P

GSWCC GEORGIA SOIL AND WATER CONSERVATION COMMISSION
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