SITE DEVELOPMENT PLANS
FOR

RACEWAY

500 MERIWETHER ROAD
LAND LOT 185, 2ND DISTRICT
318TH GEORGIA MILITIA DISTRICT
BALDWIN COUNTY, GEORGIA

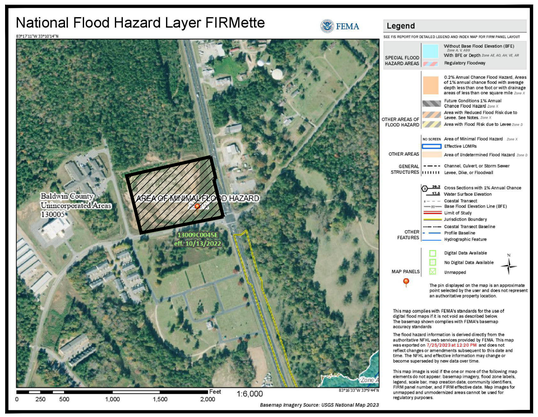
TAX ID NUMBER: 084 026

PROJECT INFORMATION		
ZONING	**BALDWIN COUNTY DOES NOT CURRENTLY HAVE ZONING**	**EXPIRATION DATE**
PARCEL ID	**084 026**	
PERMIT TYPE	**LAND DISTURBANCE**	
PERMIT NUMBER (APPROVAL DATE)		

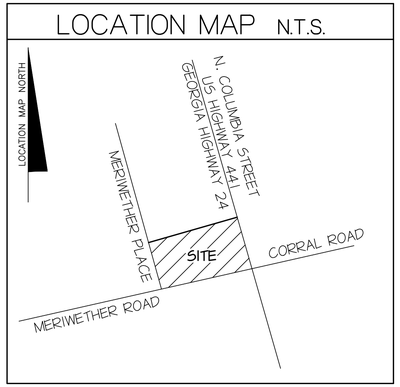
CONSULTANTS		
CIVIL ENGINEER CARTER HARKLEROAD GROUP CHRIS CARTER 94 E. CROGAN STREET, SUITE A LAWRENCEVILLE, GA 30046 PHONE: 770-982-1996 FAX: 770-982-1998 chrisc@ch-grp.com	LAND SURVEYOR DEKALB SURVEYS, INC. JONATHAN M. COE 407 W. PONCE DE LEON AVENUE, SUITE B DECATUR, GA 30030 PHONE: 404-373-9003 www.dekalbsurveys.com	ARCHITECT JON B. ERICKSON HILL FOLEY ROSSI & ASSOCIATES 3680 PLEASANT HILL ROAD, SUITE 200 DULUTH, GA 30096 PHONE: 770-622-9858 FAX: 770-982-9535
LANDSCAPE ARCHITECT MANLEY LAND DESIGN, INC. AARON NEITZKE 51 OLD CANTON STREET ALPHARETTA, GA 30009 PHONE: 770-442-8171 X-103 FAX: 770-442-1123 aneitzke@manleylanddesign.com	LIGHTING DESIGNER GTP CONSULTING ENGINEERS WILLIAM GADDY, JR. 2400 PLEASANT HILL ROAD, SUITE 310 DULUTH, GA 30096 PHONE: 770-622-2270 FAX: 770-622-2271	

UTILITY PROVIDERS			
WATER BALDWIN COUNTY WATER & SEWER 1601 NORTH COLUMBIA STREET MILLEDGEVILLE, GA CONTACT: JASON KIDD PHONE: (478) 445-4237 jkidd@baldwincountyga.com	STORMWATER BALDWIN COUNTY PUBLIC WORKS 1601 NORTH COLUMBIA STREET MILLEDGEVILLE, GA CONTACT: BRIAN WOOD PHONE: (478) 445-4791 bwood@baldwincountyga.com	SANITARY SEWER BALDWIN COUNTY WATER & SEWER 1601 NORTH COLUMBIA STREET MILLEDGEVILLE, GA CONTACT: JASON KIDD PHONE: (478) 445-4237 jkidd@baldwincountyga.com	NATURAL GAS ATLANTA GAS LIGHT CONTACT: MARK DOOLY PHONE: (404) 391-7561 mdooly@southernco.com
TELEPHONE WINDSTREAM PHONE: 1-855-663-1588	TRANSPORTATION (GDOT) CONTACT: JOEY SHURLING PHONE: (478) 552-4625 jshurling@dot.ga.gov	TRANSPORTATION (BALDWIN COUNTY) BALDWIN COUNTY PLANNING & DEVELOPMENT 1601 N. COLUMBIA STREET, SUITE 200 MILLEDGEVILLE, GA PHONE: (478) 445-4205	CABLE CHARTER COMMUNICATION PHONE: (800) 778-9140
POWER GEORGIA POWER 138 GARRETT WAY MILLEDGEVILLE, GA 31061 CONTACT: PAM GATTIE PHONE: (478) 454-5506 pjgattie@southernco.com	FIRE BALDWIN COUNTY FIRE AND RESCUE 312 ALLEN MEMORIAL DRIVE MILLEDGEVILLE, GA CONTACT: VICTOR YOUNG PHONE: (478) 445-4421 vyoung@baldwincountyga.com	ZONING BALDWIN COUNTY PUBLIC WORKS 1601 NORTH COLUMBIA STREET MILLEDGEVILLE, GA CONTACT: BRIAN WOOD PHONE: (478) 445-4791 bwood@baldwincountyga.com	

THIS MATRIX HAS BEEN PROVIDED FOR INFORMATION PURPOSES. THE CONTRACTOR SHALL PROVIDE ANY AND ALL APPURTANCES. TRENCHING AND BACKFILL, AND OTHER INCIDENTALS TO MEET OR EXCEED THE SPECIFICATIONS OF THE ITEMS LISTED.



BASED ON THE INFORMATION SHOWN ON THE NATIONAL FLOOD INSURANCE PROGRAM * FLOOD INSURANCE RATE MAP "FIRM" OR FLOOD WAY BOUNDARY MAP * COMMUNITY PANEL NUMBER 13009-C004SE, BALDWIN COUNTY, GEORGIA DATED OCTOBER 13, 2022, FURNISHED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY THROUGH THE FEDERAL INSURANCE ADMINISTRATION, IT IS MY OPINION THAT THE PROPERTY SHOWN HEREON IS OUTSIDE A FLOOD HAZARD AREA.



DEVELOPER

RACETRAC, INC.
200 GALLERIA PARKWAY S.E., SUITE 900
ATLANTA, GEORGIA 30339
MS. ROWSHI CRAVEN
(24-HOUR CONTACT)
LEAD ENGINEERING PROJECT MANAGER
CELL: (404) 849-8418
rcraven@racetrac.com

OWNER

RACETRAC, INC.
200 GALLERIA PARKWAY S.E., SUITE 900
ATLANTA, GEORGIA 30339

DISTURBED AREA
3.5 ACRES

ENGINEER CONTACT:
NAN WILCOX
CARTER HARKLEROAD GROUP
94 E. CROGAN STREET, SUITE 100
LAWRENCEVILLE, GA 30046
770-982-1996
nanw@ch-grp.com

SHEET INDEX

NO.	SHEET DESCRIPTION	GDOT	REVISION	DATE
C0.0	COVER SHEET	X	REV. 2	10/04/24
S1	ALTA/NSPS SURVEY	X	REV. 4	08/28/24
S2	ALTA/NSPS SURVEY	X	REV. 4	08/28/24
GN1.0	GENERAL NOTES			08/30/24
C1.0	DEMOLITION PLAN		REV. 1	08/30/24
C1.0G	ROADWAY IMPROVEMENT DEMOLITION PLAN	X		08/30/24
C2.0	EROSION CONTROL NOTES	X	REV. 1	08/30/24
C2.1	EROSION CONTROL PLAN-PHASE 1		REV. 1	08/30/24
C2.1G	ROADWAY IMPROVEMENT EROSION CONTROL PLAN-PHASE 1	X		08/30/24
C2.2	EROSION CONTROL PLAN-PHASE 2		REV. 1	08/30/24
C2.2G	ROADWAY IMPROVEMENT EROSION CONTROL PLAN-PHASE 2	X		08/30/24
C2.3	EROSION CONTROL PLAN-PHASE 3		REV. 2	10/04/24
C2.3G	ROADWAY IMPROVEMENT EROSION CONTROL PLAN-PHASE 3	X		08/30/24
C2.4	EROSION CONTROL DETAILS	X		08/30/24
C2.5	EROSION CONTROL DETAILS	X	REV. 1	08/30/24
C2.6	EROSION CONTROL DETAILS	X		08/30/24
C2.7	EROSION CONTROL DETAILS	X		08/30/24
C2.8	EROSION CONTROL DETAILS	X		08/30/24
C3.0	SITE PLAN		REV. 2	10/04/24
C3.0G	ROADWAY IMPROVEMENT SITE PLAN	X		08/30/24
C3.1	SITE DETAILS	X	REV. 1	08/30/24
C4.0	GRADING PLAN		REV. 2	10/04/24
C4.0G	ROADWAY IMPROVEMENT GRADING AND DRAINAGE PLAN	X		08/30/24
C5.0	PAVING PLAN		REV. 2	10/04/24
C6.0	DRAINAGE PLAN		REV. 2	10/04/24
C6.1	DRAINAGE PROFILES	X	REV. 1	08/30/24
C6.2	DRAINAGE DETAILS			08/30/24
C6.3	DRAINAGE DETAILS			08/30/24
C6.4	DRAINAGE DETAILS	X		08/30/24
C7.0	UTILITY PLAN		REV. 2	10/04/24
C7.0G	ROADWAY IMPROVEMENT UTILITY PLAN	X		08/30/24
SD1	RACETRAC STANDARD DETAILS			05/22/24
SD2	RACETRAC STANDARD DETAILS			05/22/24
SD3	RACETRAC STANDARD DETAILS			05/22/24
SD4	RACETRAC STANDARD DETAILS			05/22/24
SD5	RACETRAC STANDARD DETAILS			05/22/24
SD6	RACETRAC STANDARD DETAILS			05/22/24
SD7	RACETRAC STANDARD DETAILS			05/22/24
SD8	RACETRAC STANDARD DETAILS			05/22/24
L-1.1	LANDSCAPE PLAN			01/29/24
L-1.2	LANDSCAPE DETAILS			01/29/24
L-1.3	LANDSCAPE STANDARDS			01/29/24
SP-1	SITE PHOTOMETRY PLAN			

GEORGIA 811
Utilities Protection Center, Inc.
Know what's below.
Call before you dig.

NO.	ADDRESS CRM COMMENTS	BY	DATE
2	ADDRESS CRM COMMENTS	RD	10-04-24
1	ADDRESS RACETRAC PRM, ISSUES, GDOT & COUNTY COMMENTS	RD	08-30-24

HARKLEROAD PROJECT 6416

Carter ◆ Harkleroad Group
94 E. CROGAN STREET, SUITE 100, LAWRENCEVILLE, GA 30046
(770) 982-1996
DONALD W. HARKLEROAD & ASSOCIATES, INC.
COA No. PEF000295, LSF000260 EXPIRATION: 6-30-2026

GSWCC LEVEL II CERT. NO. 10675
GEORGIA REGISTERED PROFESSIONAL ENGINEER CHRIS A. CARTER
10-04-24

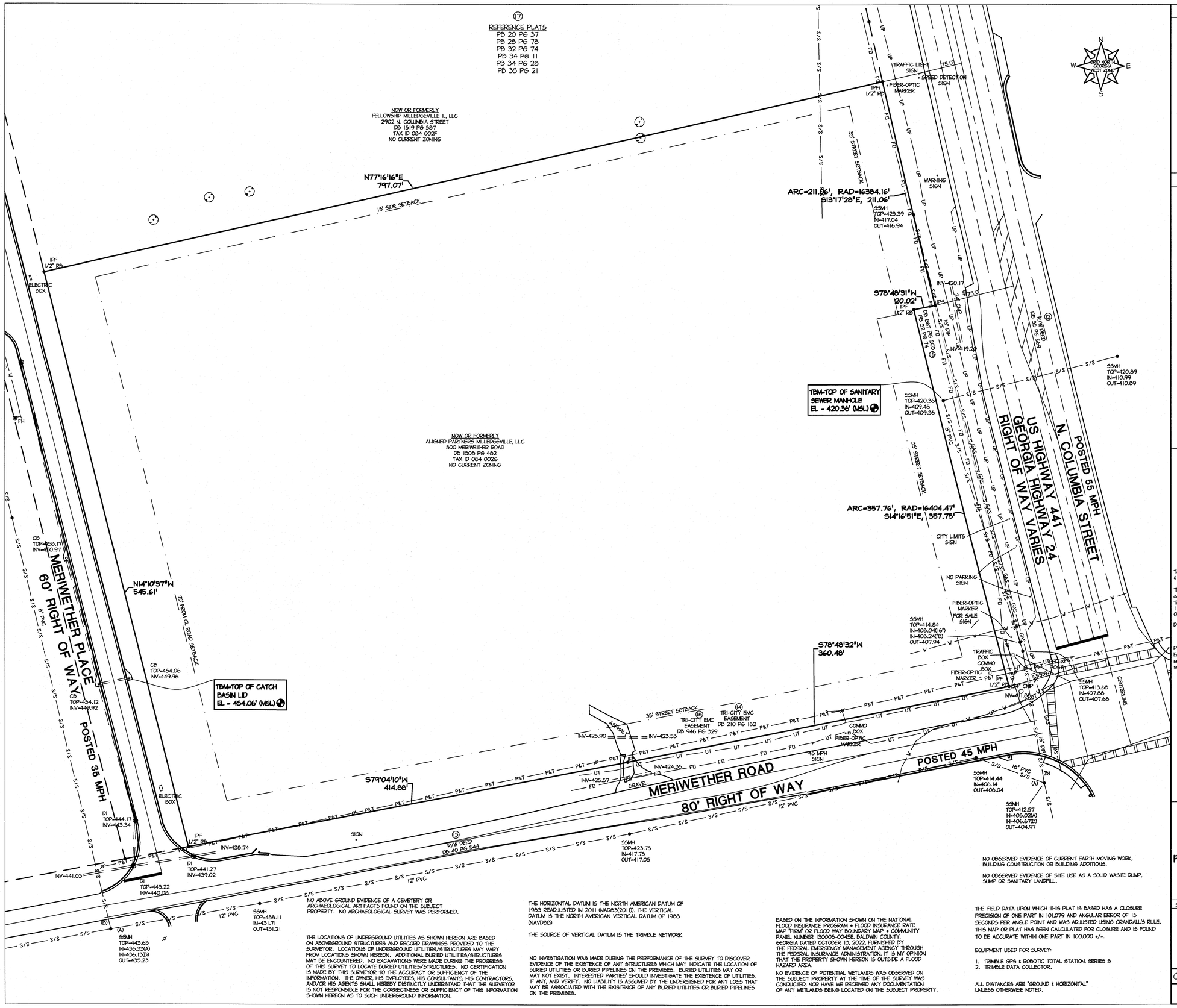
THESE PLANS ARE SUBJECT TO FEDERAL COPYRIGHT LAWS. ANY USE OF SAME WITHOUT THE EXPRESSED WRITTEN PERMISSION OF RACETRAC INC. IS PROHIBITED.

RACEWAY
RACETRAC, INC.
200 GALLERIA PARKWAY S.E., SUITE 900
SUITE 100 ATLANTA, GA.30339
(770) 431-7600

COVER SHEET
RACEWAY EDO 1633
500 MERIWETHER ROAD
LAND LOT 185, 2ND DISTRICT
318TH GEORGIA MILITIA DISTRICT
BALDWIN COUNTY, GEORGIA

DATE	08/30/2024
SCALE	NTS
DRAWN BY	RD
DRAWING NAME:	6416cp.dwg
C0.0	2
SHEET NO.	REVISION

H:\6416\6416cp.dwg Oct 04, 2024 - 1:29pm



NO ABOVE GROUND EVIDENCE OF A CEMETERY OR ARCHAEOLOGICAL ARTIFACTS FOUND ON THE SUBJECT PROPERTY. NO ARCHAEOLOGICAL SURVEY WAS PERFORMED.

THE LOCATIONS OF UNDERGROUND UTILITIES AS SHOWN HEREON ARE BASED ON ABOVEGROUND STRUCTURES AND RECORD DRAWINGS PROVIDED TO THE SURVEYOR. LOCATIONS OF UNDERGROUND UTILITIES/STRUCTURES MAY VARY FROM LOCATIONS SHOWN HEREON. ADDITIONAL BURIED UTILITIES/STRUCTURES MAY BE ENCOUNTERED. NO EXCAVATIONS WERE MADE DURING THE PROGRESS OF THIS SURVEY TO LOCATE BURIED UTILITIES/STRUCTURES. NO CERTIFICATION IS MADE BY THIS SURVEYOR TO THE ACCURACY OR SUFFICIENCY OF THE INFORMATION. THE OWNER, HIS EMPLOYEES, HIS CONSULTANTS, HIS CONTRACTORS, AND/OR HIS AGENTS SHALL HEREBY DISTINCTLY UNDERSTAND THAT THE SURVEYOR IS NOT RESPONSIBLE FOR THE CORRECTNESS OR SUFFICIENCY OF THIS INFORMATION SHOWN HEREON AS TO SUCH UNDERGROUND INFORMATION.

THE HORIZONTAL DATUM IS THE NORTH AMERICAN DATUM OF 1983 READJUSTED IN 2011 (NAD83(2011)). THE VERTICAL DATUM IS THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)

THE SOURCE OF VERTICAL DATUM IS THE TRIMBLE NETWORK

NO INVESTIGATION WAS MADE DURING THE PERFORMANCE OF THE SURVEY TO DISCOVER EVIDENCE OF THE EXISTENCE OF ANY STRUCTURES WHICH MAY INDICATE THE LOCATION OF BURIED UTILITIES OR BURIED PIPELINES ON THE PREMISES. BURIED UTILITIES MAY OR MAY NOT EXIST. INTERESTED PARTIES SHOULD INVESTIGATE THE EXISTENCE OF UTILITIES, IF ANY, AND VERIFY. NO LIABILITY IS ASSUMED BY THE UNDERSIGNED FOR ANY LOSS THAT MAY BE ASSOCIATED WITH THE EXISTENCE OF ANY BURIED UTILITIES OR BURIED PIPELINES ON THE PREMISES.

BASED ON THE INFORMATION SHOWN ON THE NATIONAL FLOOD INSURANCE PROGRAM ▪ FLOOD INSURANCE RATE MAP "FIRM" OR FLOOD WAY BOUNDARY MAP ▪ COMMUNITY PANEL NUMBER 130005-0045E, BALDWIN COUNTY, GEORGIA DATED OCTOBER 13, 2022, FURNISHED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY THROUGH THE FEDERAL INSURANCE ADMINISTRATION, IT IS MY OPINION THAT THE PROPERTY SHOWN HEREON IS OUTSIDE A FLOOD HAZARD AREA.

NO EVIDENCE OF POTENTIAL WETLANDS WAS OBSERVED ON THE SUBJECT PROPERTY AT THE TIME OF THE SURVEY WAS CONDUCTED, NOR HAVE WE RECEIVED ANY DOCUMENTATION OF ANY WETLANDS BEING LOCATED ON THE SUBJECT PROPERTY.

NO OBSERVED EVIDENCE OF CURRENT EARTH MOVING WORK, BUILDING CONSTRUCTION OR BUILDING ADDITIONS.

NO OBSERVED EVIDENCE OF SITE USE AS A SOLID WASTE DUMP, SUMP OR SANITARY LANDFILL.

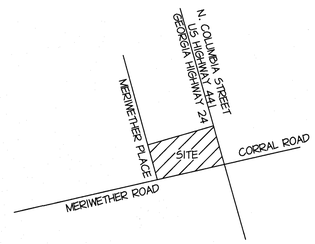
THE FIELD DATA UPON WHICH THIS PLAT IS BASED HAS A CLOSURE PRECISION OF ONE PART IN 101,079 AND ANGULAR ERROR OF 15 SECONDS PER ANGLE POINT AND WAS ADJUSTED USING CRANDALL'S RULE. THIS MAP OR PLAT HAS BEEN CALCULATED FOR CLOSURE AND IS FOUND TO BE ACCURATE WITHIN ONE PART IN 100,000 +/-.

EQUIPMENT USED FOR SURVEY:

1. TRIMBLE GPS & ROBOTIC TOTAL STATION, SERIES S
2. TRIMBLE DATA COLLECTOR.

ALL DISTANCES ARE "GROUND & HORIZONTAL" UNLESS OTHERWISE NOTED.

VICINITY MAP



LEGEND

CO	-	CLEANOUT
ICV	-	IRRIGATION CONTROL VALVE
IPF	-	IRON PIN FOUND
IPS	-	IRON PIN SET (1/2" RB)
OT	-	OPEN TOP PIPE
CT	-	CRIMP TOP PIPE
CMF	-	CONCRETE MONUMENT FOUND
N ⌀ C	-	NAIL AND CAP
RB	-	REBAR
PP	-	POWER POLE
TP	-	TELEPHONE POLE
LL	-	LAND LOT
LLL	-	LAND LOT LINE
POB	-	POINT OF BEGINNING
BL	-	BUILDING LINE
℄	-	CENTER LINE
PL	-	PROPERTY LINE
FH	-	FIRE HYDRANT
CB	-	CATCH BASIN
DI	-	DROP INLET
HW	-	HEAD WALL
JB	-	JUNCTION BOX
DE	-	DRAINAGE EASEMENT
WM	-	WATER METER
WV	-	WATER VALVE
GV	-	GAS VALVE
MH	-	MAN HOLE
T	-	TELEPHONE LINE
UT	-	BURIED TELEPHONE CABLE
GAS	-	GAS LINE (APPROXIMATE LOCATION)
W	-	WATER LINE (APPROXIMATE LOCATION)
S/S	-	SANITARY SEWER LINE
P&T	-	OVERHEAD POWER & ELECTRIC
⊠	-	RIGHT OF WAY MONUMENT FOUND
	-	ANCHOR
P	-	POWER LINE (OVERHEAD)
XX	-	FENCE
	-	FIRE HYDRANT
	-	MONITORING WELL
	-	TREE

The survey was prepared in conformity with The Technical Standards for Property Surveys in Georgia as set forth in Chapter 180-7 of the Rules of the Georgia Board of Registration for Professional Engineers and Land Surveyors and as set forth in the Georgia Plat Act O.C.G.A. 15-6-67. Authority O.C.G.A Sec. 15-6-67, 43-15-4, 43-15-6, 43-15-19, 43-15-22.

To RaceTrac, Inc., a Georgia corporation: OSH Title, LLC & First American Title Insurance Company:

This is to certify that this map or plat and the survey on which it is based were made in accordance with the 2021 Minimum Standard Detail Requirements for ALTA/NSPS Land Title Surveys, jointly established and adopted by ALTA and NSPS, and includes items 1 thru 4, 6 thru 11, 13, and 14 of Table A thereof. The field work was completed on 07/14/23.

Date: 8/29/24

Jonathan M. Coe Ga. R.L.S. #3354

Pursuant to Rule 180-6.09 of the Georgia State Board of Registration for Professional Engineers and Land Surveyors, the term "certify" or "certification" relating to land surveying services shall mean a signed statement based of facts and knowledge known to the land surveyor and is not a guarantee or warranty, either expressed or implied.

TOTAL SITE AREA
435,568.7 S.F.
10.00 ACRES
NO CURRENT ZONING

40 20 0 40 80 120
SCALE IN FEET

ALTA/NSPS LAND TITLE SURVEY
FOR
RACETRAC, INC.
A GEORGIA CORPORATION
OSH TITLE, LLC
FIRST AMERICAN TITLE INSURANCE COMPANY
LOCATED
500 MERIWEATHER ROAD
LL 185 2ND DISTRICT
3 18TH GEORGIA MILITIA DISTRICT PLAT PREPARED ON
BALDWIN COUNTY, GEORGIA DATE: 7/28/23

SCALE: 1"= 40'	JOB NO.: 64165RVY	FIELD DATE: 07/14/23

DEKALB SURVEYS, INC.
407 WEST PONCE DE LEON AVENUE, SUITE B,
DECATUR, GEORGIA 30030
www.dekalbsurveys.com
COA 1086

COA DEKALB SURVEY, INC.
No. LSF001086 EXPIRATION: 06/30/2024

SHEET 1 OF 2

NO.	DATE	BY	REVISIONS
1	8/01/23	JMC	ADD SITE DESCRIPTION
2	9/22/23	JMC	REVISE TITLE COMMITMENT
3	5/20/24	JMC	REVISE ENTITIES IN TITLE BLOCK & TITLE COMMITMENT
4	8/29/24	JMC	GPOT COMMENTS & CLIENT COMMENTS

GEORGIA REGISTERED 3354 LAND SURVEYOR JONATHAN M. COE
8/29/24

THESE PLANS ARE SUBJECT TO FEDERAL COPYRIGHT LAWS. ANY USE OF SAME WITHOUT THE EXPRESSED WRITTEN PERMISSION OF RACETRAC, INC. IS PROHIBITED.

RaceTrac
RACETRAC, INC.
200 GALLERIA PARKWAY SE
SUITE 900 ATLANTA, GA.30339
(770) 431-7600

ALTA/NSPS SURVEY
RACETRAC SERVICE STATION
500 MERIWEATHER ROAD
MILLEDGEVILLE, GEORGIA

SITE	SCALE	1" = 40'	DATE	0/0/0	JOB No. 6416
	DRAWN	TEL/JR			

SHEET S1 REV.

SITE DESCRIPTION

Site Description
500 Meriwether Road

All the tract or parcel of land lying and being in Land Lot 185 of the 2nd Land District of Baldwin County, Georgia, being known and designated as Tract 1, 10.00 acres, mor or less, on that Plat of Property Survey for Lockett Holdings, LLC made by Phillip H. Chivers, Georgia Registered Surveyor No. 2658, dated June 13, 2008, recorded in Plat Book 35, Page 21, Superior Court Clerk's Office Baldwin County, Georgia Deed Records.

ALSO DESCRIBED AS FOLLOWS:

Beginning at an iron pin bar found at the intersection westerly Right of Way line of North Columbia Street - US Highway 441 (Right of Way Varies) and the northerly Right of Way line of Meriwether Road (80' Right of Way); thence along the northerly Right of Way line of Meriwether Road (80' Right of Way) South 78 Degrees 48 Minutes 32 Seconds West, 360.48 feet to an iron pin set; thence continuing along the northerly Right of Way line of Meriwether Road (80' Right of Way) South 79 Degrees 04 Minutes 10 Seconds West, 414.88 feet to an iron pin found at the easterly Right of Way line of Meriwether Place (60' Right of Way) and the intersection of the northerly Right of Way line of Meriwether Road (80 Right of Way); thence along the easterly Right of Way line of Meriwether Place (60' Right of Way) North 14 Degrees 10 Minutes 37 Seconds West, 545.61 feet to an iron pin found; thence leaving the Right of Way of Meriwether Place North 77 Degrees 16 Minutes 16 Seconds East, 797.07 feet to an iron pin found on the westerly Right of Way of North Columbia Street - US Highway 441 (Right of Way Varies); thence continuing along the westerly Right of Way of North Columbia Street - US Highway 441 (Right of Way Varies) following the curvature thereof to the left an arc distance of 211.06 feet to an iron pin set, said curvature having a chord bearing and distance of South 13 Degrees 17 Minutes 28 Seconds East, 211.06 feet and having a radius of 16,384.16 feet; thence continuing along the westerly Right of Way of North Columbia Street - US Highway 441 (Right of Way Varies) South 78 Degrees 48 Minutes 31 Seconds West, 20.02 feet to an iron pin found; thence continuing along the westerly Right of Way of North Columbia Street - US Highway 441 (Right of Way Varies) following the curvature thereof to the left an arc distance of 357.76 feet to an iron pin found and the Point of Beginning, said curvature having a chord bearing and distance of South 14 Degrees 16 Minutes 51 Seconds East, 357.75 feet and having a radius of 16,404.47 feet containing 10.00 acres.

TITLE COMMITMENT

We have reviewed First American Title Insurance Company for Title Insurance No. 05H1168.063.R3 with an effective date of May 12, 2024, and have the following opinion concerning Items (12.) through (17.), Schedule B - Section 2:

12. INTENTIONALLY OMMITTED.

13. Easements as contained in that certain Right of Way Deed from W E Harper, et al to Baldwin County, a political subdivision of the State of Georgia, dated July 6, 1955, filed September 24, 1955 and recorded in Deed Book 40, Page 544, aforesaid records. Does affect subject property and shown on survey.

14. Right of Way Easement from Thomas A. Small to The Tri-County Electric Membership Corporation, a corporation, dated March 11, 1986, filed March 20, 1986 and recorded in Deed Book 210, Page 182, aforesaid records. Does affect subject property and shown on survey.

15. Easements as contained in that certain Right of Way Deed from J. Donnie Clack to Baldwin County, dated December 7, 2006, filed January 3, 2007 and recorded in Deed Book 867, Page 503, aforesaid records. Does affect subject property and shown on survey.

16. Right-of-Way Easement from Lockett Holdings, LLC to Tri-County Electric Membership Corporation, dated as of February 4, 2008, filed June 19, 2008 and recorded in Deed Book 946, Page 329, aforesaid records. Does affect subject property and shown on survey.

17. All matters affecting subject property as shown on the following plats, all aforesaid records:

(A) Plat Book 20, Page 37; Referenced on survey
(B) Plat Book 28, Page 78; Referenced on survey
(C) INTENTIONALLY OMMITTED
(D) Plat Book 32, Page 74; Referenced on survey
(E) Plat Book 34, Page 11; Referenced on survey
(F) Plat Book 34, Page 28; Referenced on survey
(G) Plat Book 35, Page 21. Plat for Vesting Deed and Referenced on survey

(17)
REFERENCE PLATS
PB 20 PG 37
PB 28 PG 78
PB 32 PG 74
PB 34 PG 11
PB 34 PG 28
PB 35 PG 21

NO ABOVE GROUND EVIDENCE OF A CEMETERY OR ARCHAEOLOGICAL ARTIFACTS FOUND ON THE SUBJECT PROPERTY. NO ARCHAEOLOGICAL SURVEY WAS PERFORMED.

THE HORIZONTAL DATUM IS THE NORTH AMERICAN DATUM OF 1983 READJUSTED IN 2011 (NAD83(2011)). THE VERTICAL DATUM IS THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)

THE SOURCE OF VERTICAL DATUM IS THE TRIMBLE NETWORK.

THE LOCATIONS OF UNDERGROUND UTILITIES AS SHOWN HEREON ARE BASED ON ABOVEGROUND STRUCTURES AND RECORD DRAWINGS PROVIDED TO THE SURVEYOR. LOCATIONS OF UNDERGROUND UTILITIES/STRUCTURES MAY VARY FROM LOCATIONS SHOWN HEREON. ADDITIONAL BURIED UTILITIES/STRUCTURES MAY BE ENCOUNTERED. NO EXCAVATIONS WERE MADE DURING THE PROGRESS OF THIS SURVEY TO LOCATE BURIED UTILITIES/STRUCTURES. NO CERTIFICATION IS MADE BY THIS SURVEYOR TO THE ACCURACY OR SUFFICIENCY OF THE INFORMATION. THE OWNER, HIS EMPLOYEES, HIS CONSULTANTS, HIS CONTRACTORS, AND/OR HIS AGENTS SHALL HEREBY DISTINCTLY UNDERSTAND THAT THE SURVEYOR IS NOT RESPONSIBLE FOR THE CORRECTNESS OR SUFFICIENCY OF THIS INFORMATION SHOWN HEREON AS TO SUCH UNDERGROUND INFORMATION.

NO OBSERVED EVIDENCE OF CURRENT EARTH MOVING WORK, BUILDING CONSTRUCTION OR BUILDING ADDITIONS.

NO OBSERVED EVIDENCE OF SITE USE AS A SOLID WASTE DUMP, SUMP OR SANITARY LANDFILL.

NO INVESTIGATION WAS MADE DURING THE PERFORMANCE OF THE SURVEY TO DISCOVER EVIDENCE OF THE EXISTENCE OF ANY STRUCTURES WHICH MAY INDICATE THE LOCATION OF BURIED UTILITIES OR BURIED PIPELINES ON THE PREMISES. BURIED UTILITIES MAY OR MAY NOT EXIST. INTERESTED PARTIES SHOULD INVESTIGATE THE EXISTENCE OF UTILITIES, IF ANY, AND VERIFY. NO LIABILITY IS ASSUMED BY THE UNDERSIGNED FOR ANY LOSS THAT MAY BE ASSOCIATED WITH THE EXISTENCE OF ANY BURIED UTILITIES OR BURIED PIPELINES ON THE PREMISES.

BASED ON THE INFORMATION SHOWN ON THE NATIONAL FLOOD INSURANCE PROGRAM ▪ FLOOD INSURANCE RATE MAP "FIRM" OR FLOOD WAY BOUNDARY MAP ▪ COMMUNITY PANEL NUMBER 130005-0045E, BALDWIN COUNTY, GEORGIA DATED OCTOBER 13, 2022, FURNISHED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY THROUGH THE FEDERAL INSURANCE ADMINISTRATION, IT IS MY OPINION THAT THE PROPERTY SHOWN HEREON IS OUTSIDE A FLOOD HAZARD AREA.

NO EVIDENCE OF POTENTIAL WETLANDS WAS OBSERVED ON THE SUBJECT PROPERTY AT THE TIME OF THE SURVEY WAS CONDUCTED, NOR HAVE WE RECEIVED ANY DOCUMENTATION OF ANY WETLANDS BEING LOCATED ON THE SUBJECT PROPERTY.

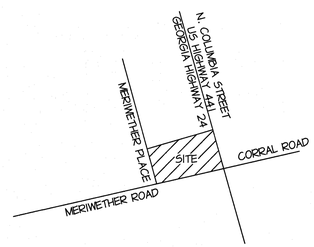
THE FIELD DATA UPON WHICH THIS PLAT IS BASED HAS A CLOSURE PRECISION OF ONE PART IN 101,079 AND ANGULAR ERROR OF 15 SECONDS PER ANGLE POINT AND WAS ADJUSTED USING CRANDALL'S RULE. THIS MAP OR PLAT HAS BEEN CALCULATED FOR CLOSURE AND IS FOUND TO BE ACCURATE WITHIN ONE PART IN 100,000 +/-.

EQUIPMENT USED FOR SURVEY:

1. TRIMBLE GPS & ROBOTIC TOTAL STATION, SERIES 5
2. TRIMBLE DATA COLLECTOR.

ALL DISTANCES ARE "GROUND & HORIZONTAL" UNLESS OTHERWISE NOTED.

VICINITY MAP



LEGEND

CO	-	CLEANOUT
ICV	-	IRRIGATION CONTROL VALVE
IPF	-	IRON PIN FOUND
IPS	-	IRON PIN SET (1/2" RB)
OT	-	OPEN TOP PIPE
CT	-	CRIMP TOP PIPE
CMF	-	CONCRETE MONUMENT FOUND
N t C	-	NAIL AND CAP
RB	-	REBAR
PP	-	POWER POLE
TP	-	TELEPHONE POLE
LT	-	LAND LOT
LL	-	LAND LOT LINE
POB	-	POINT OF BEGINNING
BL	-	BUILDING LINE
CL	-	CENTER LINE
PL	-	PROPERTY LINE
FH	-	FIRE HYDRANT
CB	-	CATCH BASIN
DI	-	DROP INLET
HW	-	HEAD WALL
JB	-	JUNCTION BOX
DE	-	DRAINAGE EASEMENT
WM	-	WATER METER
WV	-	WATER VALVE
GV	-	GAS VALVE
MH	-	MAN HOLE
T	-	TELEPHONE LINE
UT	-	BURIED TELEPHONE CABLE
GAS	-	GAS LINE (APPROXIMATE LOCATION)
W	-	WATER LINE (APPROXIMATE LOCATION)
S/S	-	SANITARY SEWER LINE
PET	-	OVERHEAD POWER & ELECTRIC
⊠	-	RIGHT OF WAY MONUMENT FOUND
	-	ANCHOR
P	-	POWER LINE (OVERHEAD)
XX	-	FENCE
	-	FIRE HYDRANT
	-	MONITORING WELL
	-	TREE

The survey was prepared in conformity with The Technical Standards for Property Surveys in Georgia as set forth in Chapter 180-7 of the Rules of the Georgia Board of Registration for Professional Engineers and Land Surveyors and as set forth in the Georgia Plat Act O.C.G.A. 15-6-67. Authority O.C.G.A Sec. 15-6-67, 43-15-4, 43-15-6, 43-15-19, 43-15-22.

To RaceTrac, Inc., a Georgia corporation; OSH Title, LLC & First American Title Insurance Company:

This is to certify that this map or plat and the survey on which it is based were made in accordance with the 2021 Minimum Standard Detail Requirements for ALTA/NSPS Land Title Surveys, jointly established and adopted by ALTA and NSPS, and includes items 1 thru 4, 6 thru 11, 13 and 14 of Table A thereof. The field work was completed on 07/14/23

Date: 8/29/24 Jonathan M. Coe Ga. R.L.S. #3354

Pursuant to Rule 180-6.09 of the Georgia State Board of Registration for Professional Engineers and Land Surveyors, the term "certify" or "certification" relating to land surveying services shall mean a signed statement based of facts and knowledge known to the land surveyor and is not a guarantee or warranty, either expressed or implied.

TOTAL SITE AREA
435,568.7 S.F.
10.00 ACRES
NO CURRENT ZONING

40 20 0 40 80 120
SCALE IN FEET

ALTA/NSPS LAND TITLE SURVEY

FOR

RACETRAC, INC.
A GEORGIA CORPORATION
OSH TITLE, LLC
FIRST AMERICAN TITLE INSURANCE COMPANY

LOCATED
500 MERIWEATHER ROAD
LL 185 2ND DISTRICT
318TH GEORGIA MILITIA DISTRICT PLAT PREPARED ON
BALDWIN COUNTY, GEORGIA DATE: 7/26/23

SCALE: 1"= 40'	JOB NO.: 64165RVY	FIELD DATE: 07/14/23

DEKALB SURVEYS, INC.
407 WEST PONCE DE LEON AVENUE, SUITE B,
DECATUR, GEORGIA 30030

www.dekalbsurveys.com
COA 1086

COA	DEKALB SURVEY, INC.	
	No. LSF001086	EXPIRATION: 06/30/2024

SHEET 2 OF 2

NO.	DATE	BY
4	8/29/24	JMC
	GDOT COMMENTS & CLIENT COMMENTS	
3	5/20/24	JMC
	REVISE ENTITIES IN TITLE BLOCK & TITLE COMMITMENT	
2	9/22/23	JMC
	REVISE TITLE COMMITMENT	
1	8/07/23	JMC
	ADD SITE DESCRIPTION	
	REVISIONS	

GEORGIA REGISTERED No. 3354 LAND SURVEYOR JONATHAN M. COE

THESE PLANS ARE SUBJECT TO FEDERAL COPYRIGHT LAWS AND USE OF SAME WITHOUT THE EXPRESSED WRITTEN PERMISSION OF RACETRAC, INC. IS PROHIBITED.

RaceTrac
RACETRAC, INC.
200 GALLERIA PARKWAY SE
SUITE 900 ATLANTA, GA.30339
(770) 431-7600

ALTA/NSPS SURVEY
RACETRAC SERVICE STATION
SITE
500 MERIWEATHER ROAD
MILLEDGEVILLE, GEORGIA
SCALE 1" = 40'
DRAWN TEL/JR
DATE 0/0/0
JOB No. 6416

SHEET S2
REV.

GENERAL NOTES:

1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO BECOME FAMILIAR WITH THE PERMIT AND INSPECTION REQUIREMENTS OF THE VARIOUS GOVERNMENT AGENCIES. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS PRIOR TO CONSTRUCTION, AND SCHEDULE INSPECTION ACCORDING TO AGENCY INSTRUCTION.
2. ALL WORK PERFORMED SHALL COMPLY WITH THE REGULATIONS AND ORDINANCES OF THE VARIOUS GOVERNMENTAL AGENCIES HAVING JURISDICTION OVER THE WORK, INCLUDING LANDSCAPING.
3. CONTRACTOR SHALL SUBMIT FOR REVIEW TO THE OWNER'S CONSTRUCTION MANAGER SHOP DRAWINGS ON ALL PRECAST AND MANUFACTURED ITEMS TO USE ON THIS SITE. FAILURE TO OBTAIN APPROVAL BEFORE INSTALLATION MAY RESULT IN REMOVAL AND REPLACEMENT AT CONTRACTOR'S EXPENSE. CONSTRUCTION MANAGER'S APPROVAL OF A SHOP DRAWING DOES NOT RELIEVE CONTRACTOR'S RESPONSIBILITY FOR PERFORMANCE OF THE ITEM.
4. WORK PERFORMED UNDER THIS CONTRACT SHALL INTERFACE SMOOTHLY WITH OTHER WORK BEING PERFORMED ON SITE BY OTHER CONTRACTORS AND UTILITY COMPANIES. IT IS NECESSARY FOR THE CONTRACTOR TO COORDINATE AND SCHEDULE HIS ACTIVITIES, WHERE NECESSARY WITH OTHER CONTRACTOR'S AND UTILITY COMPANIES.
5. MATERIALS AND CONSTRUCTION METHODS FOR STREETS AND STORM DRAINAGE CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LOCAL REGULATORY AGENCY.
6. CONTRACTOR SHALL REVIEW SOIL REPORTS AND BORINGS PRIOR TO BIDDING THE PROJECT AND COMMENCING CONSTRUCTION.
7. AT LEASE 72 HOURS PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND APPROPRIATE AGENCIES AND SUPPLY THEM WITH ALL REQUIRED SHOP DRAWINGS, THE CONTRACTOR'S NAME, STARTING DATE, PROJECTED SCHEDULE, AND OTHER INFORMATION AS REQUIRED. ANY WORK PERFORMED PRIOR TO NOTIFYING THE ENGINEER OR WITHOUT AGENCY INSPECTOR PRESENT MAY BE SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.
8. THE CONTRACTOR SHALL USE EACH PLAN IN CONJUNCTION WITH THE ENTIRE SET OF DRAWINGS AND JOB SPECIFICATIONS. DO NOT REMOVE OR DEMOLISH ANYTHING WITHOUT VERIFYING AND COORDINATING WITH ALL ELECTRICAL, PLUMBING, MECHANICAL, GENERAL TRADES, AND UTILITY COMPANIES AS THEY EFFECT THE OVERALL PROJECT.
9. ALL WORK SHOWN SHALL BE DONE IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS.

DEMOLITION NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISCONNECTION OF UTILITY SERVICES TO THE EXISTING STRUCTURES PRIOR TO DEMOLITION OF THE BUILDINGS. THE CONTRACTOR SHALL COORDINATE WITH RESPECTIVE UTILITY COMPANIES PRIOR TO THE REMOVAL AND/OR RELOCATION OF UTILITIES.
2. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANY CONCERNING PORTIONS OF WORK WHICH MAY BE PERFORMED BY THE UTILITY COMPANY'S FORCES AND ANY FEES WHICH ARE TO BE PAVED TO THE UTILITY COMPANY FOR THEIR SERVICES.
3. THE CONTRACTOR IS RESPONSIBLE FOR THE DEMOLITION AND REMOVAL OF ALL STRUCTURES, PADS, WALLS, FLUMES, FOUNDATIONS, PARKING, DRIVES, DRAINAGE STRUCTURES, UTILITIES, ETC., SUCH THAT THE IMPROVEMENTS SHOWN ON THE REMAINING PLANS CAN BE CONSTRUCTED. ALL FACILITIES TO BE REMOVED SHALL BE UNDERCUT TO SUITABLE MATERIAL AND BROUGHT TO GRADE WITH SUITABLE, COMPACTED FILL MATERIAL PER THE SPECIFICATIONS. THE CONTRACTOR IS RESPONSIBLE FOR ALL PERMITS INVOLVED AND IS RESPONSIBLE FOR REMOVING AND DUMPING THE DEBRIS IN A APPROVED, LAWFUL MANNER.
4. ALL EXISTING UTILITIES ARE TO BE REMOVED, TERMINATED AND CAPPED AT THE RIGHT-OF-WAY. ALL EXISTING METERS, VALVES, ETC. ARE TO BE REMOVED UNLESS OTHERWISE NOTED ON THE PLANS.
5. ALL EXISTING SERVICE LINES FOR TELEPHONE, ELECTRIC, SEWER, AND CABLE T.V. SERVICES ARE TO BE REMOVED TO EXISTING TRUNK LINES UNLESS OTHERWISE NOTED ON THE PLANS.
6. ALL AREAS WHERE PAVEMENT, STRUCTURE SLABS, FOUNDATIONS, UTILITIES, CONDUITS, AND/OR UTILITY STRUCTURES HAVE BEEN REMOVED SHALL BE BACKFILLED WITH SELECT BACKFILL MATERIAL. ALL SELECT BACKFILL MATERIAL SHALL BE PLACED AND COMPACTED PER THE REQUIREMENTS OF SPECIFICATIONS AND THE OWNERS GEOTECHNICAL ENGINEER.
7. ALL EXISTING FENCES, SIGNS, POWER POLES, AND LIGHT POLES LOCATED ON-SITE SHALL BE DEMOLISHED AND REMOVED UNLESS OTHERWISE NOTED.
8. EXISTING CAST IN PLACE SEPTIC TANKS (IF FOUND ON-SITE) SHALL BE PUMPED BY A LICENSED CONTRACTOR. THE SEPTIC TANK SHALL THEN BE REMOVED AND THE AREA BACKFILLED PER THE PROJECT SPECIFICATIONS UNLESS OTHERWISE NOTED. ALL WORK SHALL BE IN ACCORDANCE WITH HEALTH DEPARTMENT REQUIREMENTS.
9. CONTRACTOR IS RESPONSIBLE FOR WALKING SITE AND DETERMINING EXTENTS OF DEMOLITION WORK PRIOR TO BID DATE.
10. PRIOR TO ANY WORK ONSITE, THE CONTRACTOR SHALL CONTACT THE ONE CALL SYSTEM. THE CONTRACTOR IS RESPONSIBLE FOR ALL UTILITY REMOVALS WHETHER LOCATED BY THE ONE CALL SYSTEM OR NOT.
11. CONTRACTOR SHALL COORDINATE REMOVAL OF EXISTING ELECTRICAL SERVICES ON SITE WITH THE POSER COMPANY. POWER COMPANY IS RESPONSIBLE FOR THE DISCONNECTION AND REMOVAL OF EXISTING SERVICES UNLESS OTHERWISE NOTED.
12. LIMITS OF PAVEMENT SHOWN TO BE REMOVED ARE APPROXIMATE AND FOR REFERENCE ONLY. CONTRACTOR SHALL FIELD VERIFY THE LIMITS OF PAVEMENT TO DETERMINE THE EXTENT OF THE EXISTING PAVEMENT TO BE REMOVED.
13. IF NOT SHOWN ON THE DEMOLITION DRAWINGS, THE CONTRACTOR SHALL REMOVE ALL EXISTING MATERIALS AS NECESSARY TO COMPLETE ALL NEW WORK AS REQUIRED BY OTHER PORTIONS OF THE CONTRACT DOCUMENTS.
14. SALVAGE RIGHTS FOR ALL DEMOLISHED MATERIALS SHALL BE FIRST GIVEN TO THE OWNER. ANY MATERIALS NOT RETAINED BY THE OWNER SHALL BE REMOVED FROM THE SITE AND DISPOSED OF BY THE CONTRACTOR AT THE CONTRACTORS EXPENSE.
15. THE CONTRACTOR IS RESPONSIBLE TO COMPLY WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS IN THE REMOVAL/DEMOLITION OF HAZARDOUS MATERIALS.
16. THE CONTRACTOR IS RESPONSIBLE TO VERIFY EXISTING UTILITIES PRIOR TO DEMOLITION & EXCAVATION.
17. CONTRACTOR IS RESPONSIBLE FOR ALL REGISTRATIONS, PERMITS AND FEES REQUIRED TO REMOVE & PROPERLY DISPOSE OF ALL DEMOLITION MATERIALS.
18. DEMO CONTRACTOR IS RESPONSIBLE FOR OBTAINING APPROVALS AND NOTIFICATIONS TO ALL LOCAL, STATE AND FEDERAL AUTHORITIES.
19. REFER TO SURVEY FOR LIMITS AND BOUNDARY OF PROPERTY.

EROSION CONTROL NOTES:

1. CONTRACTOR SHALL MAINTAIN EROSION CONTROL FACILITIES DURING THE ENTIRE CONSTRUCTION PERIOD. FACILITIES ARE NOT TO BE REMOVED UNTIL COMPLETION OF THE PROJECT AND THE SITE IS STABILIZED.
2. ADDITIONAL DEVICES MAY BE REQUIRED AS DEEMED NECESSARY BY GOVERNING AUTHORITIES.
3. SILT FENCES SHALL BE CLEANED OR REPLACED WHEN TRAPPED SEDIMENT REACHES 50 PERCENT OF THE ABOVE GROUND FENCE HEIGHT OR A LOWER HEIGHT BASED ON MANUFACTURER'S SPECIFICATIONS.
4. SEDIMENT AND EROSION CONTROL MEASURES WILL BE INSPECTED ON A DAILY BASIS AND REPAIRED, ADJUSTED AND MAINTAINED AS NEEDED OR REQUIRED BY GOVERNING AGENCIES AT NO ADDITIONAL EXPENSE TO THE OWNER TO PROVIDE EROSION AND SEDIMENT CONTROL FOR THE DURATION OF CONSTRUCTION AND UNTIL ALL DISTURBED AREAS ARE STABILIZED.
5. ALL GRADED AREAS SHALL BE STABILIZED WITH A PERMANENT FAST GROWING COVER AND/OR MULCH UPON COMPLETION OF GRADING OPERATIONS. COMPLETION OF GRADING OPERATIONS DOES NOT MEAN AT THE END OF THE PROJECT. AS SOON AS FINAL GRADES ARE ESTABLISHED IN AN UNPAVED AREA, THE CONTRACTOR SHALL STABILIZE WITH A TEMPORARY GRASS OR PERMANENT SOD. IF A TEMPORARY GRASS IS APPLIED, IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO APPLY A PERMANENT SEED OR SOD AT THE PROPER TIME OF YEAR.
6. FILL SLOPES SHOULD BE PLANTED AS SOON AS AN AREA OF THE SITE IS BROUGHT TO FINAL GRADE. SURFACE RUNOFF SHALL BE INTERCEPTED AT THE TOP OF TEMPORARY AND PERMANENT SLOPES DURING CONSTRUCTION SO THAT WATER IS NOT ALLOWED TO FLOW OVER THE SLOPE FACE.
7. THE GENERAL CONTRACTOR AND THE GRADING CONTRACTOR SHALL REVIEW THEIR PROPOSED GRADING SEQUENCE TO INSURE THAT THE LEAST AMOUNT OF LAND POSSIBLE AT ANY ONE TIME IS DISTURBED WITHOUT PERMANENT STABILIZATION.
8. CONTRACTOR SHALL INSTALL TEMPORARY CONSTRUCTION ENTRANCES PRIOR TO ANY EARTHWORK OPERATIONS.
9. CONTRACTOR SHALL MAINTAIN SILT FENCES FOR THE DURATION OF THE PROJECT UNTIL ACCEPTED BY THE OWNER AT NO EXPENSE TO OWNER.
10. LAND DISTURBING ACTIVITIES SHALL BE KEPT TO A MINIMUM AND WILL NOT EXTEND BEYOND THE LIMITS SHOWN.
11. THE CONTRACTOR SHALL CONSTRUCT THE SILT FENCING AS SHOWN AT THE PERIMETER OF THE SITE PLAN PRIOR TO LAND CLEARING ACTIVITIES.
12. CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE COMPLIANCE WITH THE NPDES STORMWATER REQUIREMENTS. THIS INCLUDES, BUT IS NOT LIMITED TO, INSPECTION REQUIREMENTS.
13. ALL EROSION CONTROL MEASURES EXCEPT THE REQUIRED RIP RAP ARE TEMPORARY DEVICES. THESE TEMPORARY DEVICES SHALL BE REMOVED PRIOR TO COMPLETION OF CONSTRUCTION ONCE STABILIZATION OF ALL GRASSED AREAS ARE COMPLETE.
14. PRIOR TO CONSTRUCTION, THE EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON THE EROSION CONTROL PLAN SHALL BE IN PLACE. CLEARING AND GRUBBING OPERATIONS WILL BE ENGAGED IN ONLY AS NECESSARY TO ALLOW THE PLACEMENT OF EROSION AND SEDIMENT CONTROL MEASURES AS SHOWN ON THE EROSION CONTROL PLAN UNTIL ALL SUCH MEASURES ARE IN PLACE.
15. CONTRACTOR IS RESPONSIBLE FOR REPAIRS OR DAMAGE TO ANY EXISTING IMPROVEMENTS DURING CONSTRUCTION, SUCH AS, BUT NOT LIMITED TO, DRAINAGE, UTILITIES, PAVEMENT, STRIPING, CURB, ETC., REPAIRS SHALL BE EQUAL TO OR BETTER THAN EXISTING CONDITIONS.

SITE PLAN NOTES:

1. CONTRACTOR SHALL REFER TO CIVIL CONSTRUCTION & ARCHITECTURAL PLANS FOR EXACT LOCATIONS AND DIMENSIONS OF PATIO, SLOPE PAVING, SIDEWALKS, EXIT PORCHES, RAMPS, PRECISE BUILDING DIMENSIONS, AND EXACT BUILDING UTILITY ENTRANCE LOCATIONS.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RELOCATIONS, INCLUDING BUT NOT LIMITED TO ALL UTILITIES, STORM DRAINAGE, SIGNS, TRAFFIC SIGNALS & POLES, ETC. AS REQUIRED FOR ALL SITE IMPROVEMENTS. ALL WORK SHALL BE IN ACCORDANCE WITH GOVERNING AUTHORITIES SPECIFICATIONS AND SHALL BE APPROVED BY SUCH.
3. EXISTING UTILITY LINES SHOWN ARE APPROXIMATE LOCATIONS ONLY. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LINE LOCATIONS PRIOR TO ANY CONSTRUCTION. ANY DEVIATIONS FROM THE DESIGN LOCATIONS SHALL BE REPORTED TO THE OWNER AND ENGINEER PRIOR TO CONSTRUCTION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO POT HOLE ANY UTILITIES TO DETERMINE EXACT SIZES AND DEPTHS IN ORDER TO AVOID CONFLICTS NOT PREVIOUSLY COORDINATED BY THE OWNER AND NOTED ON THE ENGINEERING PLANS.
4. SEE COVER SHEET FOR LIST OF UTILITY COMPANIES AND CONTACT PERSONS.
5. ALL NECESSARY PERMITS AND APPROVALS FROM AGENCIES GOVERNING THE CONSTRUCTION OF THIS WORK SHALL BE SECURED PRIOR TO BEGINNING CONSTRUCTION.
6. CONTRACTOR IS RESPONSIBLE FOR REPAIRS OR DAMAGE TO ANY EXISTING IMPROVEMENTS DURING CONSTRUCTION, SUCH AS, BUT NOT LIMITED TO, DRAINAGE, UTILITIES, PAVEMENT, STRIPING, CURB, LANDSCAPING, ETC., REPAIRS SHALL BE EQUAL TO OR BETTER THAN EXISTING CONDITIONS.
7. CONTRACTOR SHALL PROVIDE BOLLARDS FOR PROTECTION OF ALL ABOVE GROUND UTILITIES AND APPURTENANCES ADJACENT TO DRIVE AREAS.
8. CONTRACTOR SHALL MATCH EXISTING PAVEMENT IN GRADE AND ALIGNMENT AS SHOWN ON THE GRADING PLAN.
9. CONSTRUCTION SHALL COMPLY WITH ALL GOVERNING CODES AND IMPROVEMENTS SHALL BE CONSTRUCTED TO THE SAME.
10. ALL WORK SHOWN SHALL BE DONE IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS.

GRADING NOTES:

1. IF CONTRACTOR DOES NOT ACCEPT EXISTING TOPOGRAPHY AS SHOWN ON THE PLANS, WITHOUT EXCEPTION, HE SHALL HAVE MADE, AT HIS EXPENSE, A TOPOGRAPHIC SURVEY BY A REGISTERED LAND SURVEYOR AND SUBMIT IT TO THE OWNER FOR REVIEW AND APPROVAL IN WRITING.
2. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES, INCLUDING SIZE, TYPE, AND DEPTH. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS UNLESS OTHERWISE DIRECTED BY OWNER.
3. CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING STORM SEWER STRUCTURES, PIPES, AND ALL UTILITIES PRIOR TO CONSTRUCTION.
4. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL AREAS INDICATED TO REMAIN UNDISTURBED OR TO REMAIN AS BUFFERS. ALL PROPERTY CORNERS AND ALL PINS ELIMINATED OR DAMAGED DURING CONSTRUCTION SHALL BE REPLACED BY A LICENSED PROFESSIONAL AT THE CONTRACTORS EXPENSE.
5. CONTRACTOR IS RESPONSIBLE FOR REPAIRS OF DAMAGE TO ANY EXISTING IMPROVEMENTS DURING CONSTRUCTION, SUCH AS, BUT NOT LIMITED TO, DRAINAGE, UTILITIES, PAVEMENT, STRIPING, CURBS, ETC. REPAIRS SHALL BE EQUAL TO OR BETTER THAN EXISTING CONDITIONS.
6. ALL UN-PAVED AREAS DISTURBED BY GRADING OPERATION SHALL RECEIVE 4 INCHES OF TOPSOIL, SEED, MULCH, WATER, ETC. CONTRACTOR SHALL GRASS DISTURBED AREAS IN ACCORDANCE WITH THE LANDSCAPE PLAN SPECIFICATION UNTIL A HEALTHY STAND OF WEED FREE GRASS IS OBTAINED AND IS READY FOR REGULAR MAINTENANCE.
7. PROPOSED SPOT ELEVATIONS REPRESENT FINISHED PAVEMENT OR GROUND SURFACE GRADE UNLESS OTHERWISE NOTED ON DRAWINGS.
8. CONTRACTOR SHALL TRIM, TACK, AND MATCH EXISTING PAVEMENT AT LOCATIONS WHERE NEW PAVEMENT MEETS EXISTING PAVEMENT.
9. ALL CONSTRUCTION STAKING SHALL BE HANDLED BY A LICENSED LAND SURVEYOR APPROVED BY THE OWNER.
10. REFERENCE STRUCTURAL SPECIFICATIONS AND GEOTECHNICAL REPORT FOR BUILDING PAD PREPARATION AND COMPACTION.
11. ALL GRADING IN LANDSCAPE AREAS SHALL ALLOW FOR POSITIVE DRAINAGE AWAY FROM THE BUILDING. THE RESULTING FINISHED GRADE WITH INSTALLED LANDSCAPING AND MULCH SHALL NOT PREVENT OR OBSTRUCT POSITIVE DRAINAGE.

SANITARY SEWER NOTES:

1. SANITARY SEWER PIPE OF DIFFERENT MATERIAL SHALL BE JOINED BY A RUBBER SLEEVE WITH STAINLESS STEEL COUPLING, MADE FOR TRANSITIONS FROM ONE MATERIAL TO ANOTHER.
2. DIMENSIONS SHOWN ARE TO CENTERLINE OF PIPE OR TO CENTERLINE OF MANHOLE.
3. THE SANITARY SEWER PIPE MATERIAL SHALL BE PVC, SCHEDULE 40, SEWER PIPE UNLESS OTHERWISE NOTED ON PLAN.
4. ALL MANHOLE COVERS SHALL BE TRAFFIC RATED FOR H-20 LOADING.

PAVING AND STRIPING NOTES:

1. STANDARD DUTY PAVEMENT AREAS SHALL BE PORTLAND CEMENT CONCRETE. DETAILS OF THE STANDARD DUTY CONCRETE PAVEMENT ARE PROVIDED ON DETAIL SHEETS.
2. NOTIFY OWNER 3 DAYS PRIOR TO POUR OF INITIAL SECTION OF DRIVEWAY PAVING. RACETRAC REPRESENTATIVE TO APPROVE INITIAL POUR.
3. TESTING OF MATERIALS REQUIRED FOR THE CONSTRUCTION OF THE PAVING IMPROVEMENTS SHALL BE PERFORMED BY AN AGENCY, APPROVED BY THE OWNER, FOR TESTING MATERIALS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE, BY THE STANDARD TESTING PROCEDURES, THAT THE WORK CONSTRUCTED MEETS THE REQUIREMENTS OF THE PROJECT SPECIFICATIONS.
4. ALL SIGNS, PAVEMENT MARKINGS, AND OTHER TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" LATEST EDITION, AS WELL AS APPLICABLE STATE AND LOCAL REQUIREMENTS.
5. TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE STATE DOT STANDARD SPECIFICATIONS. CONTRACTOR SHALL REVIEW ALL TRAFFIC CONTROL DEVICES WITH STATE DOT AND UTILITY PROVIDERS PRIOR TO INSTALLATION.
6. CONTRACTOR SHALL FURNISH AND INSTALL ALL PAVEMENT MARKINGS AS SHOWN ON THE APPROVED PLANS.
7. SEE IRRIGATION PLAN, UTILITY PLAN AND MEP PLANS PRIOR TO PAVING FOR LOCATION OF PROPOSED SLEEVING AND CONDUITS. EXTRA CONDUIT SHALL BE PLACED UNDER DRIVEWAYS FOR FUTURE USE.
8. ALL HANDICAP RAMPING, STRIPING, AND PAVEMENT MARKINGS SHALL CONFORM TO THE AMERICANS WITH DISABILITIES ACT, LATEST EDITION.
9. CONTRACTOR SHALL INSTALL EXPANSION AND CONSTRUCTION JOINTS AS SHOWN ON THE PAVING PLAN.
10. PAVING CONTRACTOR TO COORDINATE WITH BUILDING CONTRACTOR ON THE CONSTRUCTION AND PAVING NEAR ANY SCREENING WALLS, DUMPSTER PADS AND ENCLOSURES.
11. ALL DISCREPANCIES FOUND BY CONTRACTOR RELATED TO UNDERGROUND UTILITIES OR OTHER APPURTENANCES SHALL BE RESOLVED TO THE SATISFACTION OF OWNER AND ENGINEER PRIOR TO PLACEMENT OF ANY PAVING. CONTRACTOR TO ENSURE POSITIVE DRAINAGE FROM THE PROPOSED BUILDINGS AND NO PONDING IN SUBGRADE OF AREAS TO BE PAVED, AND NOTIFY OWNER AND ENGINEER IF ANY DISCREPANCIES ARE FOUND PRIOR TO INSTALLATION OF ANY PAVING.
12. EXISTING MANHOLE TOPS, VALVE BOXES, ETC. ARE TO BE ADJUSTED AS REQUIRED TO MATCH PROPOSED GRADES; ALL OTHERS WILL BE REJECTED. IF NECESSARY, RE-ADJUSTMENTS SHALL BE PERFORMED UPON COMPLETION OF PAVING, FINE GRADING, AND LANDSCAPING TO ENSURE A SMOOTH TRANSITION.
13. COMPACTION SHALL BE DONE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT.
14. ALL PAVEMENT TO BE SLOPED FOR POSITIVE DRAINAGE; ALL OTHERS WILL BE REJECTED.

SITE SPECIFIC NOTES:

1. CONTRACTOR TO INCLUDE FOR ALL SECONDARY CONDUITS (CONDUIT ONLY) DEPICTED ON UTILITY PLAN IN BASE BID. INCLUDE FOR LENGTH UP POLE APPROXIMATELY 30 FEET. WIRE IS ASSUMED TO BE BY UTILITY DEPARTMENT.
   a. SECONDARY WIRE WILL BE PROVIDED IN BID AS AN ALTERNATE PRICE IN L.F. AND HANDLED AS A CHANGE ORDER IF REQUIRED.
2. CONTRACTOR TO INCLUDE TWO (2) 1" CONDUITS TO SIGN LOCATION.
   a. ONE (1) 1" CONDUIT IS FOR ELECTRICAL.
   b. ONE (1) 1" CONDUIT IS FOR COMMUNICATION.
   c. CONTRACTOR IS RESPONSIBLE TO PROVIDE CAT 5 HOME-RUN BETWEEN PRICE SIGN AND FINAL DESTINATION INSIDE THE BUILDING. FINAL DESTINATION TO BE DETERMINED BY RACETRAC CONSTRUCTION MANAGER DURING CONSTRUCTION.

UTILITY NOTES:

1. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL UTILITIES AND NOTIFYING THE APPROPRIATE UTILITY COMPANY PRIOR TO BEGINNING CONSTRUCTION.
2. THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEASE 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF THE UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
3. CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING STORM SEWER STRUCTURES, PIPES, AND ALL UTILITIES PRIOR TO CONSTRUCTION.
4. CONTRACTOR IS RESPONSIBLE FOR REPAIRS OF DAMAGE TO ANY EXISTING IMPROVEMENTS DURING CONSTRUCTION, SUCH AS, BUT NOT LIMITED TO, UTILITIES, PAVEMENT, STRIPING, CURBS, ETC. REPAIRS SHALL BE EQUAL TO OR BETTER THAN EXISTING CONDITIONS.
5. CONTRACTOR SHALL REFER TO ARCHITECTS PLANS AND SPECIFICATIONS FOR ACTUAL LOCATION OF ALL UTILITY ENTRANCES. CONTRACTOR SHALL COORDINATE INSTALLATION OF UTILITIES IN SUCH A MANNER AS TO AVOID CONFLICTS AND ASSURE PROPER DEPTHS ARE ACHIEVED AS WELL AS COORDINATING WITH CITY UTILITY REQUIREMENTS AS TO LOCATIONS AND SCHEDULING FOR TIE-INS/CONNECTIONS PRIOR TO CONNECTING EXISTING FACILITIES.
6. CONTRACTOR SHALL COORDINATE WITH ARCHITECTURAL PLANS, POWER COMPANY & TELEPHONE COMPANY FOR ACTUAL ROUTING OF POWER AND TELEPHONE SERVICE TO BUILDING.
7. SEE DETAIL SHEETS FOR BACKFILLING AND COMPACTION REQUIREMENTS ON UTILITY TRENCHES.
8. CONTRACTOR SHALL COMPLY TO THE FULLEST EXTENT WITH THE LATEST STANDARD OF OSHA DIRECTIVES OR ANY OTHER AGENCY HAVING JURISDICTION FOR EXCAVATION AND TRENCHING PROCEDURES. THE CONTRACTOR SHALL USE SUPPORT SYSTEMS, SLOPING, BENCHING, AND OTHER MEANS OF PROTECTION. THIS TO INCLUDE BUT NOT LIMITED TO, ACCESS AND EGRESS FROM ALL EXCAVATION AND TRENCHING. CONTRACTOR IS RESPONSIBLE TO COMPLY WITH PERFORMANCE CRITERIA FOR OSHA.
9. CONTRACTOR SHALL COORDINATE WITH OTHER UTILITIES TO ASSURE PROPER DEPTH AND PREVENT ANY CONFLICT OF UTILITIES.
10. CONTRACTOR SHALL GROUT AROUND ALL PIPE ENTRANCES TO SANITARY SEWER MANHOLES WITH NON-SHRINKING GROUT TO ASSURE CONNECTION IS WATER TIGHT.
11. CONTRACTOR SHALL ON ALL UTILITIES, COORDINATE INSPECTION WITH THE APPROPRIATE AUTHORITIES PRIOR TO COVERING TRENCHES AT INSTALLATION.
12. THE CONTRACTOR SHALL CONDUCT ALL REQUIRED TESTS TO THE SATISFACTION OF THE RESPECTIVE UTILITY COMPANIES AND OWNERS INSPECTING AUTHORITIES.
13. SITE CONTRACTOR TO COORDINATE PROPOSED RECONNECTION OF ALL UTILITIES WITH ARCHITECTURAL PLANS AS WELL AS UTILITY COMPANIES AND BUILDING CONTRACTOR. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR ANY AND ALL EXPENSES THAT RESULT FROM DELAYED OR FAILED TEST DURING ANY PHASE OF THE CONSTRUCTION PROCESS. THIS INCLUDES FEES INCURRED THROUGH RESCHEDULING OF ANY RACETRAC VENDORS OR EQUIPMENT TO ACCOMMODATE.
14. EXISTING UTILITY LINES SHOWN ARE APPROXIMATE LOCATIONS ONLY. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LINE LOCATIONS PRIOR TO ANY CONSTRUCTION, ANY DEVIATIONS FROM THE DESIGN LOCATIONS SHALL BE REPORTED TO THE OWNER OR ENGINEER PRIOR TO CONSTRUCTION.
15. CONTRACTOR SHALL REFER TO PLANS BY OTHERS FOR ENTRY LOCATION OF ALL WATER, SEWER SERVICE, ELECTRICAL, AND TELEPHONE SERVICE. CONTRACTOR SHALL COORDINATE INSTALLATION OF UTILITIES IN SUCH A MANNER AS TO AVOID CONFLICTS AND ASSURE PROPER DEPTHS ARE AC HIEVED AS WELL AS COORDINATING WITH THE REGULATORY AGENCY AS TO THE LOCATION AND TIE-INS/CONNECTIONS TO THEIR FACILITIES.
16. SEE COVER SHEET FOR LIST OF UTILITY COMPANIES AND CONTACT PERSONS.
17. THE CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ALL UNDERGROUND UTILITIES WITH HIS WORK. ALL UNDERGROUND UTILITIES (WATER, SANITARY SEWER, STORM SEWER, ELECTRICAL CONDUIT, IRRIGATION SYSTEMS, AND ANY OTHER MISC. UTILITIES) SHALL BE IN PLACE PRIOR TO THE PLACEMENT OF BASE COURSE MATERIAL, AND THE PLACEMENT OF ANY APPROPRIATE SOIL STABILIZATION TECHNIQUE.
18. CONTRACTOR SHALL PROVIDE BOLLARDS FOR PROTECTION OF ALL ABOVE GROUND UTILITIES AND APPURTENANCES ADJACENT TO DRIVE AREAS.

WATER NOTES:

1. ALL VERTICAL BENDS ON WATER MAIN SHALL BE RESTRAINED WITH A MECHANICAL JOINT FITTING SUPPLIED WITH THE RETAINER GLANDS. ANY JOINTS 25 FEET OR LESS FROM EITHER SIDE OF VERTICAL BEND SHALL BE RESTRAINED WITH A RETAINER GLAND.
2. DIMENSIONS SHOWN ARE TO CENTERLINE OF PIPE OR FITTING.
3. THRUST BLOCKS SHALL BE PROVIDED AT ALL HORIZONTAL BENDS, TEES, AND FIRE HYDRANTS.
4. THE MINIMUM COVER ON WATER MAINS SHALL BE 3 FEET.
5. PIPE MATERIAL SHALL BE "ENDOPURE" PD 3408 - 200 PSI.
6. GENERAL CONTRACTOR IS RESPONSIBLE TO COORDINATE THE IRRIGATION REQUIREMENTS BETWEEN THE IRRIGATION CONTRACTOR AND PLUMBING CONTRACTOR. IRRIGATION TAP, METERS, ETC. SHALL BE INCLUDED IN GENERAL CONTRACTOR'S BASE BID.

GENERAL NOTES:

1. REVIEW DOCUMENTS AND VERIFY DIMENSIONS AND FIELD CONDITIONS AND CONFIRM THAT WORK IS CONSTRUCTIBLE AS SHOWN. CONFLICTS OR DIMENSIONS, ETC. SHALL BE IMMEDIATELY REPORTED TO THE ENGINEER OF RECORD FOR CLARIFICATION PRIOR TO THE PERFORMANCE OF WORK IN QUESTION.
2. KEEP THE APPROVED AND/OR MOST CURRENT SET OF PROJECT DRAWINGS ON SITE AT ALL TIMES. CONTRACTOR TO CONFIRM THEY ARE IN POSSESSION OF THE MOST CURRENT DRAWING FILES.
3. DURING ALL PHASES OF WORK, DO NOT DISTURB THE DELIVERIES AND FUNCTIONS OF ADJACENT AND NEIGHBORING PROPERTIES.
4. IT IS THE CONTRACTOR'S RESPONSIBILITY TO BECOME FAMILIAR WITH THE PERMIT AND INSPECTION REQUIREMENTS OF THE VARIOUS GOVERNMENT AGENCIES. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS PRIOR TO CONSTRUCTION, AND SCHEDULE INSPECTIONS ACCORDING TO THE AGENCIES' INSTRUCTIONS.
5. ALL WORK PERFORMED SHALL COMPLY WITH THE REGULATIONS AND ORDINANCES OF THE VARIOUS GOVERNMENTAL AGENCIES HAVING JURISDICTION OVER THE WORK, INCLUDING LANDSCAPING, WHETHER OR NOT REVIEW COMMENTS WE MADE.
6. ALL WORK SHALL BE PERFORMED IN A FINISHED AND WORKMANLIKE MANNER TO THE ENTIRE SATISFACTION OF THE OWNER/DEVELOPER, AND IN ACCORDANCE WITH THE BEST RECOGNIZED TRADE PRACTICES.
7. IF REQUESTED BY THE OWNER/DEVELOPER, THE CONTRACTOR SHALL SUPPLY THE ENGINEER OF RECORD WITH ALL REQUIRED SHOP DRAWINGS, THE CONTRACTOR'S NAME, AND OTHER INFORMATION AS REQUESTED. ANY WORK PERFORMED PRIOR TO NOTIFYING THE ENGINEER OF RECORD MAY BE SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.
8. DEVIATIONS FROM THESE PLANS AND SPECIFICATIONS WITHOUT THE PRIOR CONSENT OF THE ENGINEER OF RECORD AND/OR OWNER/DEVELOPER MAY BE CAUSE FOR THE WORK TO BE UNACCEPTABLE.
9. CONTRACTOR SHALL PROVIDE AND MAINTAIN OFF STREET PARKING ON THE PROPERTY DURING THE ENTI

DEMOLITION NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISCONNECTION OF UTILITY SERVICES TO THE EXISTING STRUCTURES PRIOR TO DEMOLITION OF THE BUILDINGS. THE CONTRACTOR SHALL COORDINATE WITH THE RESPECTIVE UTILITY COMPANIES PRIOR TO THE REMOVAL AND/OR RELOCATION OF UTILITIES.
2. THE CONTRACTOR IS RESPONSIBLE FOR THE DEMOLITION AND REMOVAL OF ALL EXISTING IMPROVEMENTS, SUCH THAT THE PROPOSED IMPROVEMENTS SHOWN ON THE REMAINING PLANS CAN BE CONSTRUCTED. ALL FACILITIES TO BE REMOVED SHALL BE UNDERCUT TO SUITABLE MATERIAL AND BROUGHT TO GRADE WITH SUITABLE, COMPACTED FILL MATERIAL PER THE SPECIFICATIONS.
3. EXISTING SEPTIC TANKS (IF FOUND ON-SITE) SHALL BE PUMPED BY A LICENSED CONTRACTOR. THE SEPTIC TANK SHALL THEN BE REMOVED AND THE AREA BACKFILLED PER THE PROJECT SPECIFICATIONS UNLESS OTHERWISE NOTED. ALL WORK SHALL BE IN ACCORDANCE WITH HEALTH DEPARTMENT REQUIREMENTS.
4. PRIOR TO ANY WORK ONSITE, THE CONTRACTOR SHALL CONTACT THE ONE CALL SYSTEM. THE CONTRACTOR IS RESPONSIBLE FOR ALL UTILITY REMOVALS WHETHER LOCATED BY THE ONE CALL SYSTEM OR NOT.
5. LIMITS OF PAVEMENT SHOWN TO BE REMOVED ARE APPROXIMATE AND FOR REFERENCE ONLY. CONTRACTOR SHALL FIELD VERIFY THE LIMITS OF PAVEMENT TO DETERMINE THE EXTENT OF THE EXISTING PAVEMENT TO BE REMOVED.
6. THE CONTRACTOR IS RESPONSIBLE TO COMPLY WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS IN THE REMOVAL/DEMOLITION OF HAZARDOUS MATERIALS.
7. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING DEMOLITION APPROVALS AND NOTIFICATIONS TO ALL LOCAL, STATE AND FEDERAL AUTHORITIES.
8. REMOVE AND TRANSPORT DEBRIS IN A MANNER THAT WILL PREVENT SPILLAGE ON ADJACENT SURFACES AND AREAS.
9. PROMPTLY DISPOSE OF DEMOLISHED MATERIALS. DO NOT ALLOW DEMOLISHED MATERIALS TO ACCUMULATE ON-SITE.
10. DO NOT BURN DEMOLISHED MATERIALS.
11. IT IS UNDERSTOOD THAT ALL ABOVE GROUND ITEMS TO BE REMOVED INCLUDE THEIR ASSOCIATED BELOW GROUND COMPONENTS (I.E. FOUNDATIONS, UTILITY CONNECTIONS, ETC.)
12. ALL TREES INSIDE THE LIMITS OF DISTURBANCE ARE TO BE REMOVED.

HARDSCAPE DEMOLITION AREA

MERIWETHER ROAD
80' RIGHT OF WAY
POSTED 45 MPH

NOW OR FORMERLY
ALIGNED PARTNERS MILLEDGEVILLE, LLC
500 MERIWETHER ROAD
DB 1508 PG 482
TAX ID 084 002G
NO CURRENT ZONING

NOW OR FORMERLY
FELLOWSHIP MILLEDGEVILLE IL, LLC
2902 N. COLUMBIA STREET
DB 1519 PG 587
TAX ID 084 002F
NO CURRENT ZONING

PROTECT EX. POWER POLE
REMOVE EX. GRAVEL AND ASPHALT DRIVEWAY
EX. STORM PIPES TO BE REMOVED
LIMITS OF DISTURBANCE
PROTECT EX. COMMUNICATION LINE
PROTECT EX. COMMUNICATION LINE
RELOCATE EX. SIGN (SEE SHEET C3.0)
PROTECT EX. POWER POLE
COORDINATE WITH COMMUNICATION COMPANY TO RELOCATE EX. COMMUNICATION BOX AND MARKER (WINDSTREAM)
PROTECT EX. FIBER OPTIC MARKER
EX. SIGN TO BE REMOVED
FOR SALE SIGN
CAP AND REMOVE A PORTION OF EX. WATER LINE
PROTECT EX. SANITARY SEWER MANHOLE
PROTECT EX. FIBER OPTIC LINE
COORDINATE WITH POWER COMPANY TO RELOCATE EX. POWER LINE (GA POWER)
PROTECT EX. SANITARY SEWER MAIN
EX. "DETECTION DEVICE" WARNING SIGN
EX. SPEED DETECTION SIGN
EX. TRAFFIC LIGHT SIGN
RELOCATE EX. SIGN (SEE SHEET C3.0)
RELOCATE EX. SIGNS (SEE SHEET C3.0)
LIMITS OF DISTURBANCE
SAWCUT EX. PAVEMENT
MILL AND INERLAY PORTION OF EX. MEDIAN
TBM-TOP OF SANITARY SEWER MANHOLE EL = 420.36' (NAVD)

VIEW A

SAWCUT EX. PAVEMENT
EX. EOP
MATCH LINE A-A

N. COLUMBIA STREET
US HIGHWAY 441
GEORGIA HIGHWAY 24
RIGHT OF WAY VARIES
POSTED 55 MPH

MATCH LINE A-A (SEE VIEW A)

GEORGIA811 Utilities Protection Center, Inc.
Know what's below. Call before you dig.

30' 15' 0 30' 60' 90'
1"=30'

NO.	REVISION	BY	DATE
	ADDRESS RACETRAC PRA ISSUES, GDOT & COUNTY COMMENTS	RD	08.30.24

HARKLEROAD PROJECT 6416

Carter ◆ Harkleroad Group
94 E. CROGAN STREET, SUITE 100, LAWRENCEVILLE, GA 30046
(770) 982-1996
DONALD W. HARKLEROAD & ASSOCIATES, INC.
COA No. PEF000295, LSF000260 EXPIRATION: 6-30-2026

GSWCC LEVEL II CERT. NO 10875

GEORGIA REGISTERED PROFESSIONAL ENGINEER LARISA A. CARTER 27012

08-30-24

THESE PLANS ARE SUBJECT TO FEDERAL COPYRIGHT LAWS. ANY USE OF SAME WITHOUT THE EXPRESSED WRITTEN PERMISSION OF RACETRAC INC. IS PROHIBITED.

RACETRAC, INC.
200 GALLERIA PARKWAY S.E., SUITE 900
SUITE 100 ATLANTA, GA.30339
(770) 431-7600

DEMOLITION PLAN

RACEWAY EDO 1633
500 MERIWETHER ROAD
LAND LOT 185, 2ND DISTRICT
318TH GEORGIA MILITIA DISTRICT
BALDWIN COUNTY, GEORGIA

DATE	08/30/2024
SCALE	1"=30'
DRAWN BY	RD
DRAWING NAME:	6416cp.dwg
C1.0	1
SHEET NO.	REVISION

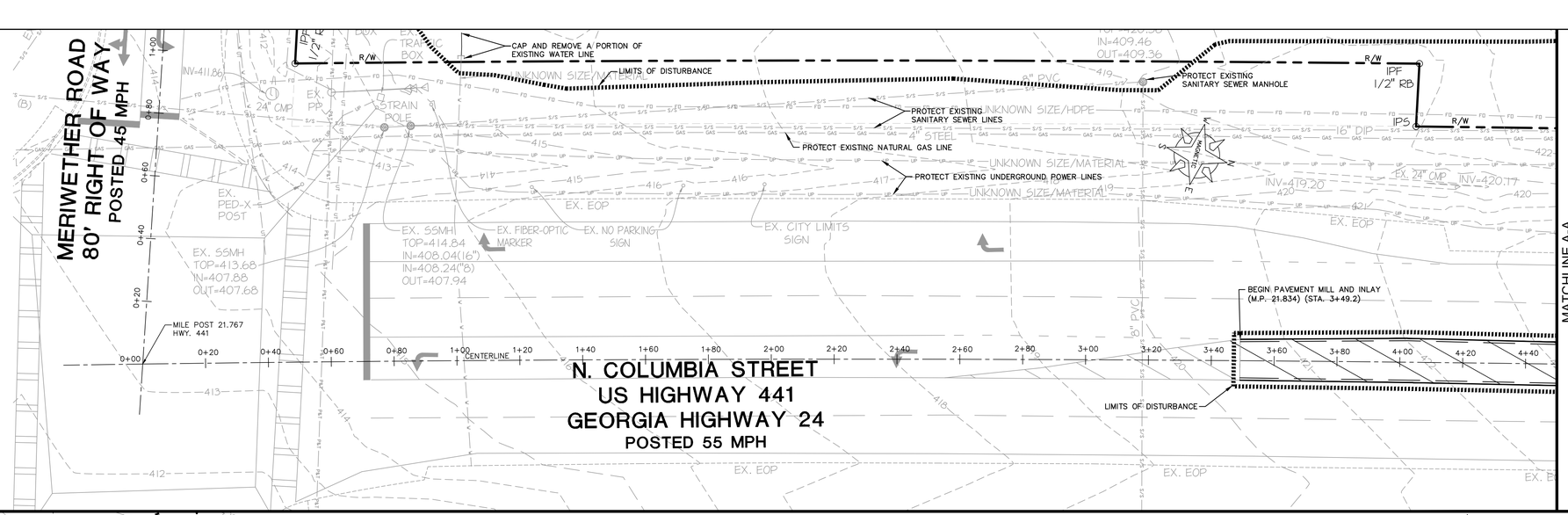
H:\6416\04\6cp.dwg Sep 04, 2024 - 2:56pm

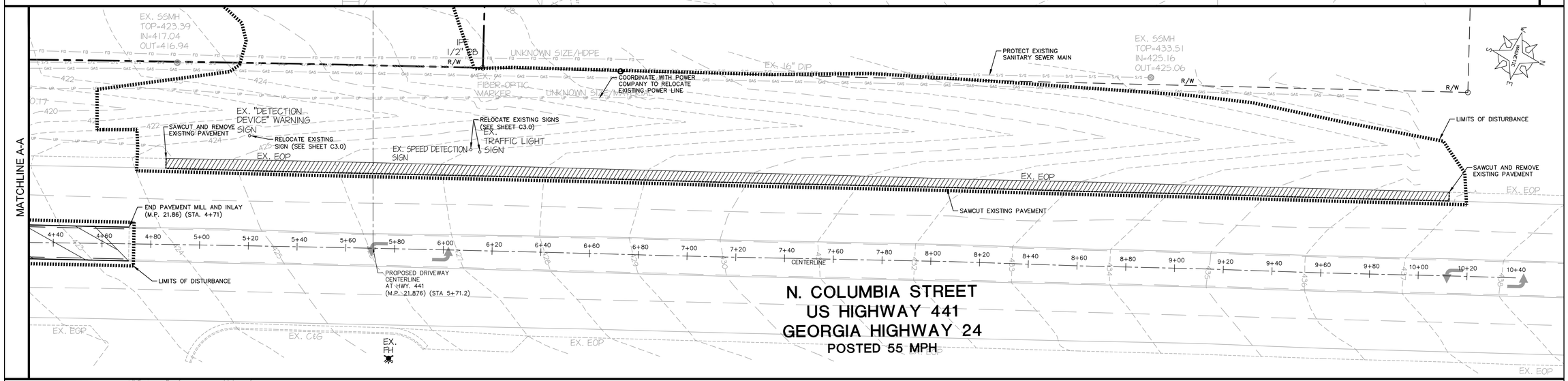
DEMOLITION NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISCONNECTION OF UTILITY SERVICES TO THE EXISTING STRUCTURES PRIOR TO DEMOLITION OF THE BUILDINGS. THE CONTRACTOR SHALL COORDINATE WITH THE RESPECTIVE UTILITY COMPANIES PRIOR TO THE REMOVAL AND/OR RELOCATION OF UTILITIES.
2. THE CONTRACTOR IS RESPONSIBLE FOR THE DEMOLITION AND REMOVAL OF ALL EXISTING IMPROVEMENTS, SUCH THAT THE PROPOSED IMPROVEMENTS SHOWN ON THE REMAINING PLANS CAN BE CONSTRUCTED. ALL FACILITIES TO BE REMOVED SHALL BE UNDERCUT TO SUITABLE MATERIAL AND BROUGHT TO GRADE WITH SUITABLE, COMPACTED FILL MATERIAL PER THE SPECIFICATIONS.
3. EXISTING SEPTIC TANKS (IF FOUND ON-SITE) SHALL BE PUMPED BY A LICENSED CONTRACTOR. THE SEPTIC TANK SHALL THEN BE REMOVED AND THE AREA BACKFILLED PER THE PROJECT SPECIFICATIONS UNLESS OTHERWISE NOTED. ALL WORK SHALL BE IN ACCORDANCE WITH HEALTH DEPARTMENT REQUIREMENTS.
4. PRIOR TO ANY WORK ONSITE, THE CONTRACTOR SHALL CONTACT THE ONE CALL SYSTEM. THE CONTRACTOR IS RESPONSIBLE FOR ALL UTILITY REMOVALS WHETHER LOCATED BY THE ONE CALL SYSTEM OR NOT.
5. LIMITS OF PAVEMENT SHOWN TO BE REMOVED ARE APPROXIMATE AND FOR REFERENCE ONLY. CONTRACTOR SHALL FIELD VERIFY THE LIMITS OF PAVEMENT TO DETERMINE THE EXTENT OF THE EXISTING PAVEMENT TO BE REMOVED.
6. THE CONTRACTOR IS RESPONSIBLE TO COMPLY WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS IN THE REMOVAL/DEMOLITION OF HAZARDOUS MATERIALS.
7. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING DEMOLITION APPROVALS AND NOTIFICATIONS TO ALL LOCAL, STATE AND FEDERAL AUTHORITIES.
8. REMOVE AND TRANSPORT DEBRIS IN A MANNER THAT WILL PREVENT SPILLAGE ON ADJACENT SURFACES AND AREAS.
9. PROMPTLY DISPOSE OF DEMOLISHED MATERIALS. DO NOT ALLOW DEMOLISHED MATERIALS TO ACCUMULATE ON-SITE.
10. DO NOT BURN DEMOLISHED MATERIALS.
11. IT IS UNDERSTOOD THAT ALL ABOVE GROUND ITEMS TO BE REMOVED INCLUDE THEIR ASSOCIATED BELOW GROUND COMPONENTS (I.E. FOUNDATIONS, UTILITY CONNECTIONS, ETC.)

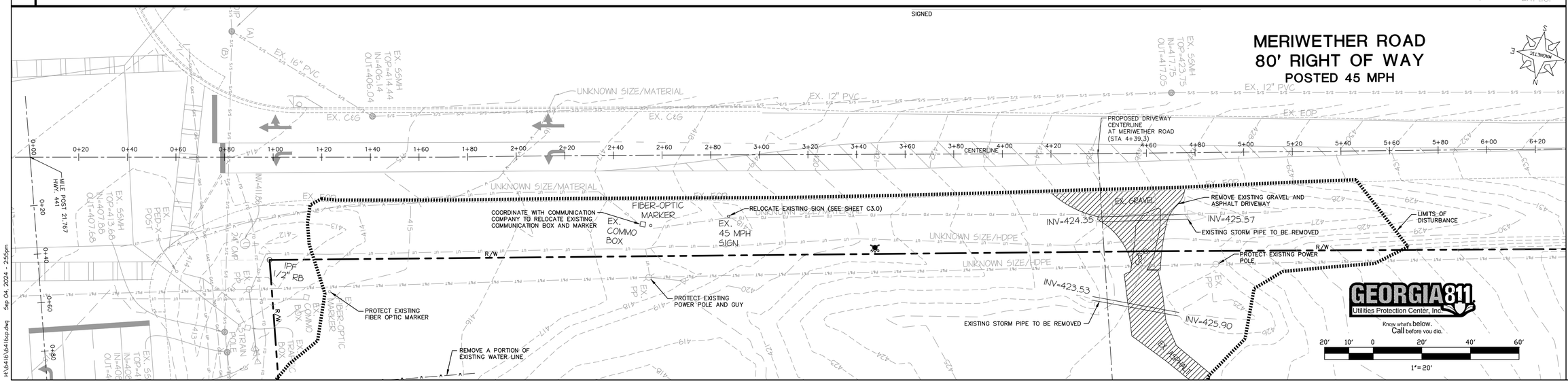
HARDSCAPE DEMOLITION AREA

PAVEMENT MILL AREA





SIGNED



Sep 04, 2024 - 2:55pm
H:\6416\6416cp.dwg

HARKLEROAD PROJECT 6416

Carter ◆ Harkleroad Group

94 E. CROGAN STREET, SUITE 100, LAWRENCEVILLE, GA 30046
(770) 982-1996

DONALD W. HARKLEROAD & ASSOCIATES, INC.
COA No. PEF000295, LSF000260 | EXPIRATION: 6-30-2026

NO	REVISIONS	BY	DATE

GSWCC LEVEL II CERT. NO 10875

GEORGIA REGISTERED PROFESSIONAL ENGINEER 27010 MARISA A. CARTER

08-30-24

THESE PLANS ARE SUBJECT TO FEDERAL COPYRIGHT LAWS. ANY USE OF SAME WITHOUT THE EXPRESSED WRITTEN PERMISSION OF RACETRAC INC. IS PROHIBITED.

RACEWAY

RACETRAC, INC.
200 GALLERIA PARKWAY S.E., SUITE 900
SUITE 100 ATLANTA, GA.30339
(770) 431-7600

ROADWAY IMPROVEMENT
DEMOLITION PLAN

RACEWAY EDO 1633

500 MERIWETHER ROAD
LAND LOT 185, 2ND DISTRICT
318TH GEORGIA MILITIA DISTRICT
BALDWIN COUNTY, GEORGIA

DATE	08/30/2024
SCALE	1"=20'
DRAWN BY	RD
DRAWING NAME:	6416cp.dwg
C1.0G	
SHEET NO.	REVISION

SAMPLING REQUIREMENTS (GAR100001, PART IV.D.6.):

B. SAMPLE TYPE. ALL SAMPLINGS SHALL BE COLLECTED BY "GRAB SAMPLES" AND THE ANALYSIS TO 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). SAMPLES TAKEN FOR THE PROPOSE 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 STORM WATER 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 STORM WATER DISCHARGE FROM THE PERMITTED ACTIVITY (I.E., THE DISCHARGE FARTHEST UPSTREAM AT THE SITE) BUT DOWNSTREAM OF ANY OTHER STORM WATER 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 STORM WATER DISCHARGE FROM THE PERMITTED ACTIVITY (I.E., THE DISCHARGE FARTHEST DOWNSTREAM AT THE SITE) BUT UPSTREAM OF ANY OTHER STORM WATER 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 STORM WATER OUTFALL CHANNEL(S).

(D). CARE SHOULD BE TAKEN TO AVOID STIRRING THE BOTTOM SEDIMENTS IN THE RECEIVING WATER(S) OR IN THE OUTFALL STORM WATER 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 A LANDSCAPING MATERIALS IN PLANNED LANDSCAPE AREA(S), OR EQUIVALENT PERMANENT STABILIZATION MEASURES AS DEFINED IN THE MANUAL (EXCLUDING A CROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET 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 STORM WATER RUNOFF FROM THE CONSTRUCTION SITE IS IN COMPLIANCE WITH THE STANDARD SET FORTH IN PARTS III.D.3 OR III.D.4., WHICHEVER IS APPLICABLE.

D. SAMPLING FREQUENCY.

(1). THE PRIMARY PERMITTEE MUST SAMPLE IN ACCORDANCE WITH THE PLAN AT LEAST ONCE FOR EACH RAINFALL EVENT DESCRIBED BELOW. FOR A QUALIFYING EVENT THE PERMITTEE SHALL SAMPLE AT THE BEGINNING OF ANY STORM WATER DISCHARGE TO A MONITORED RECEIVING WATER AND/OR FROM A MONITORED OUTFALL LOCATION WITHIN FORTY-FIVE (45) MINUTES OR AS SOON AS POSSIBLE.

(2). HOWEVER, WHERE MANUAL AND AUTOMATIC SAMPLING ARE IMPOSSIBLE (AS DEFINED IN THIS PERMIT), OR ARE BEYOND THE PERMITTEE'S CONTROL, THE PERMITTEE SHALL TAKE SAMPLES AS SOON AS POSSIBLE, BUT IN NO CASE MORE THAN TWELVE (12) HOURS AFTER THE BEGINNING OF THE STORM WATER DISCHARGE.

(3). SAMPLING BY THE PERMITTEE SHALL OCCUR FOR THE FOLLOWING EVENTS:

(A). FOR EACH AREA OF THE SITE THAT DISCHARGES TO A RECEIVING WATER FROM AN OUTFALL, THE FIRST RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH WITH A STORM WATER DISCHARGE THAT OCCURS DURING NORMAL BUSINESS HOURS AS DEFINED IN THIS PERMIT AFTER ALL CLEARING AND GRUBBING OPERATIONS HAVE BEEN COMPLETE, BY 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 FROM AN OUTFALL, THE FIRST RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH WITH A STORM WATER DISCHARGE THAT OCCURS DURING NORMAL BUSINESS HOURS AS DEFINED IN THIS PERMIT EITHER 90 DAYS AFTER THE FIRST SAMPLING EVENT OR AFTER ALL MASS GRADING OPERATIONS HAVE BEEN COMPLETED, BUT PRIOR TO SUBMITTAL OF THE 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 BMP'S IN ANY AREA OF THE SITE THAT DISCHARGES TO A RECEIVING WATER OR FROM AN OUTFALL ARE NOT PROPERLY DESIGNED, INSTALLED AND MAINTAINED, CORRECTIVE ACTION SHALL BE DEFINED AND IMPLEMENTED WITHIN TWO (2) BUSINESS DAYS, AND TURBIDITY SAMPLES SHALL BE TAKEN FROM DISCHARGES FROM THAT AREA OF THE SITE FOR EACH SUBSEQUENT RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH DURING NORMAL BUSINESS HOURS* UNTIL THE SELECTED TURBIDITY STANDARD IS ATTAINED, OR UNTIL POST-STORM EVENT INSPECTIONS DETERMINE THAT BMP'S 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.4.A.(6), MUST INCLUDE A WRITTEN JUSTIFICATION IN THE SNSPECTION REPORT OF WHY SAMPLING WAS NOT PERFORMED. PROVIDING THIS JUSTIFICATION DOES NOT RELIEVE THE PERMITTEE OF ANY SUBSEQUENT 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 COLLECTION TURBIDITY SAMPLES FROM ANY RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH AND ALLOWS FOR MONITORING AT ANY TIME OF THE DAY OR WEEK.

NTU REQUIREMENTS (GAR100001, APPENDIX B):

SAMPLING STATIONS 1
RECEIVING WATERS: TRIBUTARY OF NANCY BRANCH
TYPE: WARM WATER
CONSTRUCTION SITE SIZE: ___3.5___ AC
SURFACE DRAINAGE AREA: ___0.04___ SQ MI
NEPHELOMETRIC TURBIDITY LIMIT: 75 NTU

INSPECTIONS (GAR100001, PART IV.D.4.):

(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.

(3). CERTIFIED PERSONNEL (PROVIDED BY THE PRIMARY PERMITTEE) SHALL INSPECT THE FOLLOWING AT LEAST ~~ONCE~~ TWICE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.5 INCHES RAINFALL OR GREATER (UNLESS SUCH STORM ENDS AFTER 5:00 PM ON ANY FRIDAY OR ON ANY NON-WORKING SATURDAY, NON-WORKING SUNDAY OR ANY NON-WORKING FEDERAL HOLIDAY IN WHICH CASE THE INSPECTION SHALL BE COMPLETED BY THE END OF THE NEXT BUSINESS DAY AND/OR WORKING DAY, WHICHEVER OCCURS FIRST): (A) DISTURBED AREAS OF THE PRIMARY PERMITTEE'S CONSTRUCTION SITE; (B) AREAS USED BY THE PRIMARY PERMITTEE FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION; AND (C) STRUCTURAL CONTROL MEASURES. EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN APPLICABLE TO THE PRIMARY PERMITTEE'S SITE SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. WHERE DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE, THEY SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATER(S). FOR AREAS OF A SITE THAT HAVE UNDERGONE FINAL STABILIZATION BY 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 IS RECEIVED BY EPD) THE AREAS OF THE SITE THAT HAVE UNDERGONE FINAL STABILIZATION OR ESTABLISHED A CROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET PERENNIALS APPROPRIATE FOR THE REGION. THESE AREAS SHALL BE INSPECTED FOR EVIDENCE OF, OR THE POTENTIAL FOR, POLLUTANTS ENTERING THE DRAINAGE SYSTEM AND THE RECEIVING WATER(S). EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. WHERE DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE, THEY SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATER(S).

(5). BASED ON THE RESULTS OF EACH INSPECTION, THE SITE DESCRIPTION AND THE POLLUTION PREVENTION AND CONTROL MEASURES IDENTIFIED IN THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN, THE PLAN SHALL BE REVISED AS APPROPRIATE NOT LATER THAN SEVEN (7) CALENDAR DAYS FOLLOWING EACH INSPECTION. IMPLEMENTATION OF SUCH CHANGES SHALL BE MADE AS SOON AS PRACTICAL BUT IN NO CASE LATER THAN SEVEN (7) CALENDAR DAYS FOLLOWING EACH INSPECTION.

(6). A REPORT OF EACH INSPECTION THAT INCLUDES THE NAME(S) OF CERTIFIED PERSONNEL MAKING EACH INSPECTION, THE DATE(S) OF EACH INSPECTION, CONSTRUCTION PHASE (I.E., INITIAL, INTERMEDIATE OR FINAL), MAJOR OBSERVATIONS RELATING TO THE IMPLEMENTATION OF THE EROSION, SEDIMENTATION CONTROL PLAN, AND ACTIONS TAKEN IN ACCORDANCE WITH PART IV.D.4.A.(5). OF THE PERMIT SHALL BE MADE AND RETAINED AT THE SITE OR BE READILY AVAILABLE AT A DESIGNATED ALTERNATE LOCATION UNTIL THE ENTIRE SITE OR THAT PORTION OF A CONSTRUCTION PROJECT THAT HAS BEEN PHASED HAS UNDERGONE FINAL STABILIZATION AND A NOTICE OF TERMINATION IS SUBMITTED TO EPD. SUCH REPORTS SHALL BE READILY AVAILABLE BY END OF THE SECOND BUSINESS DAY AND/OR WORKING DAY AND SHALL IDENTIFY ALL INCIDENTS OF BEST MANAGEMENT PRACTICES THAT HAVE NOT BEEN PROPERLY INSTALLED AND/OR MAINTAINED AS DESCRIBED IN THE PLAN. WHERE THE REPORT DOES NOT IDENTIFY ANY INCIDENTS, THE INSPECTION REPORT SHALL CONTAIN A 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.

REPORTING (GAR100001, 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 DISTRICT OFFICE OF THE EPD ACCORDING TO THE SCHEDULE IN APPENDIX A OF THIS PERMIT. THE PERMITTEE SHALL RETAIN A COPY OF THE PROOF OF SUBMITTAL AT THE CONSTRUCTION SITE OR THE PROOF OF SUBMITTAL SHALL BE READILY AVAILABLE AT A DESIGNATED LOCATION FROM COMMENCEMENT OF CONSTRUCTION UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART VI. IF AN ELECTRONIC SUBMITTAL IS PROVIDED BY EPD THEN THE WRITTEN CORRESPONDENCE MAY BE SUBMITTED ELECTRONICALLY; IF REQUIRED, A PAPER COPY MUST ALSO BE SUBMITTED BY RETURN RECEIPT MAIL OR SIMILAR SERVICE.

RETENTION OF RECORDS (GAR100001, 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.2. OF THIS PERMIT; AND

G. DAILY RAINFALL INFORMATION COLLECTED IN ACCORDANCE WITH PART IV.D.4.A.(2) OF THIS PERMIT.

2. COPIES OF ALL NOTICES OF INTENT, NOTICES OF TERMINATION, INSPECTION REPORTS, SAMPLING REPORTS (INCLUDING ALL CALIBRATION AND MAINTENANCE RECORDS AND ALL ORIGINAL STRIP CHART RECORDINGS FOR CONTINUOUS MONITORING INSTRUMENTATION) OR OTHER REPORTS REQUESTED BY THE EPD, EROSION, SEDIMENTATION AND POLLUTION CONTROL PLANS, RECORDS OF ALL DATA USED TO COMPLETE THE NOTICE OF INTENT TO BE COVERED BY THIS PERMIT AND ALL OTHER RECORDS REQUIRED BY THIS PERMIT SHALL BE RETAINED BY THE PERMITTEE WHO EITHER PRODUCED OR USED IT FOR A PERIOD OF AT LEAST THREE YEARS FROM THE DATE THAT THE NOT IS SUBMITTED IN ACCORDANCE WITH PART VI OF THIS PERMIT. THESE RECORDS MUST BE MAINTAINED AT THE PERMITTEE'S PRIMARY PLACE OF BUSINESS OR AT A DESIGNATED ALTERNATIVE LOCATION ONCE THE CONSTRUCTION ACTIVITY HAS CEASED AT THE PERMITTED SITE. THIS PERIOD MAY BE EXTENDED BY REQUEST OF THE EPD AT ANY TIME UPON WRITTEN NOTIFICATION TO THE PERMITTEE.

POLLUTANT DISCHARGE REDUCTION PRACTICES

1. NON-STORMWATER DISCHARGES:
ALL NON-STORM WATER DISCHARGES WILL BE ROUTED THROUGH ON SITE BMP'S AND THE STORM WATER MANAGEMENT SYSTEMS WHERE POSSIBLE. THESE DISCHARGES INCLUDE FLUSHING OF WATER AND FIRE LINES, IRRIGATION WATER, GROUND WATER, DEWATERING OF PITS OR DEPRESSIONS WITHIN THE CONSTRUCTION SITE AND RINSE OFF WATER OF NON-TOXIC MATERIALS.

2. WASTE MATERIALS:
ALL WASTE MATERIALS WILL BE COLLECTED AND STORED IN A SECURELY LIDDED METAL DUMPSTER. THE DUMPSTER WILL MEET OIL SOLID WASTE MANAGEMENT REGULATIONS. ALL TRASH AND CONSTRUCTION DEBRIS FROM THE SITE WILL BE DEPOSITED IN THE DUMPSTER. THE DUMPSTER WILL BE EMPTIED A MINIMUM OF ONCE PER WEEK OR MORE OFTEN IF NECESSARY, AND TRASH WILL BE HAULED AS REQUIRED BY LOCAL REGULATIONS. NO CONSTRUCTION WASTE WILL BE BURIED. ALL PERSONNEL WILL BE INSTRUCTED ON PROPER PROCEDURES FOR WASTE DISPOSAL. A NOTICE STATING THESE PRACTICES WILL BE POSTED AT THE JOB SITE, AND THE CONTRACTOR WILL BE RESPONSIBLE FOR SEEING THAT THESE PROCEDURES ARE FOLLOWED.

3. HAZARDOUS WASTES:
ALL HAZARDOUS WASTE MATERIALS WILL BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL, STATE, AND/OR FEDERAL REGULATIONS, AND BY THE MANUFACTURER OF SUCH PRODUCTS. THE JOB SITE SUPERINTENDENT, WHO WILL ALSO BE RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE FOLLOWED, WILL INSTRUCT SITE PERSONNEL IN THESE PRACTICES. MATERIAL SAFETY DATA SHEETS (MSDS'S) FOR EACH SUBSTANCE WITH HAZARDOUS PROPERTIES THAT IS USED ON THE JOB SITE WILL BE OBTAINED AND USED FOR THE PROPER MANAGEMENT OF POTENTIAL WASTES THAT MAY RESULT FROM THESE PRODUCTS. AN MSDS WILL BE POSTED IN THE IMMEDIATE AREA WHERE SUCH PRODUCT IS STORED AND/OR USED, AND ANOTHER COPY OF EACH MSDS WILL BE MAINTAINED IN THE ES&PC PLAN FILE AT THE JOB SITE CONSTRUCTION TRAILER OFFICE. EACH EMPLOYEE WHO MUST HANDLE A SUBSTANCE WITH HAZARDOUS PROPERTIES WILL BE INSTRUCTED ON THE USE OF MSDS SHEETS AND THE SPECIFIC INFORMATION IN THE APPLICABLE MSDS FOR THE PRODUCT HE/SHE IS USING, PARTICULARLY REGARDING SPILL CONTROL TECHNIQUES. THE CONTRACTOR WILL TRAIN ALL PERSONNEL IN THE PROPER CLEANUP AND HANDLING OF SPILLED MATERIALS. NO SPILLED HAZARDOUS MATERIALS OR HAZARDOUS WASTES WILL BE ALLOWED TO COME IN CONTACT WITH STORM WATER DISCHARGES. IF SUCH CONTACT OCCURS, THE STORM WATER DISCHARGE WILL BE CONTAINED ON SITE UNTIL APPROPRIATE MEASURES IN COMPLIANCE WITH STATE AND FEDERAL REGULATIONS ARE TAKEN TO DISPOSE OF SUCH CONTAMINATED STORM WATER.

4. SANITARY WASTES:
A MINIMUM OF ONE PORTABLE SANITARY UNIT WILL BE PROVIDED FOR EVERY TEN (1O) WORKERS ON THE SITE. ALL SANITARY WASTE WILL BE COLLECTED FROM THE PORTABLE UNITS A MINIMUM OF ONE TIME PER WEEK BY A LICENSED PORTABLE FACILITY PROVIDER IN COMPLETE COMPLIANCE WITH LOCAL AND STATE REGULATIONS. ALL SANITARY WASTE UNITS WILL BE LOCATED IN AN AREA WHERE THE LIKELIHOOD OF THE UNIT CONTRIBUTING TO STORM WATER DISCHARGE IS NEGLIGIBLE. ADDITIONAL CONTAINMENT BMP'S MUST BE IMPLEMENTED, SUCH AS GRAVEL BAGS OR SPECIALLY DESIGNED PLASTIC SKID CONTAINERS AROUND THE BASE, TO PREVENT WASTES FROM CONTRIBUTING TO STORM WATER DISCHARGES. THE LOCATION OF SANITARY WASTE UNITS MUST BE IDENTIFIED ON THE EROSION CONTROL PLAN GRADING PHASE (INTERMEDIATE PHASE) BY THE CONTRACTOR ONCE THE LOCATIONS HAVE BEEN DETERMINED. ALL PERMITTEES SHALL ENSURE AND DEMONSTRATE THAT THEIR PLAN IS IN COMPLIANCE WITH APPLICABLE STATE AND LOCAL WASTE DISPOSAL, SANITARY SEWER OR SEPTIC SYSTEM REGULATIONS.

5. OFFSITE VEHICLE TRACKING:
A STABILIZED CONSTRUCTION EXIT SHALL BE INSTALLED TO HELP REDUCE OFFSITE VEHICLE TRACKING OF SEDIMENT. THE PAVED STREET ADJACENT TO THE SITE EXIT WILL BE INSPECTED DAILY FOR TRACKING OF MUD, DIRT, OR ROCK. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES OR SITE ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.

6. GENERATION OF DUST:
TEMPORARY DISTURBED AREA STABILIZATION (WITH MULCHING ONLY) SHALL BE USED TO CONTROL DUST GENERATION. IRRIGATION (SITE IS SPRINKLED WITH WATER UNTIL THE SURFACE IS WET) SHOULD BE USED AS AN EMERGENCY TREATMENT. DUMP TRUCKS HAULING MATERIAL FROM THE CONSTRUCTION SITE WILL BE COVERED WITH A TARPAULIN.

7. CONCRETE WASHDOWN:
WASHOUT OF CONCRETE DRUMS ARE PROHIBITED AT THE CONSTRUCTION SITE. CONCRETE WASHDOWN OF TOOLS, CONCRETE MIXER CHUTES, HOPPERS, AND THE REAR OF VEHICLES SHALL BE CONTAINED IN A WATER PROOF, LEAK PROOF, 100% RECYCLED AND COMMERCIALLY SERVICED CONTAINER. COLLECTED HARDENED CONCRETE WASTE CAN BE REUSED ONSITE.

8. SPILL PREVENTION:
PRACTICES SUCH AS GOOD HOUSEKEEPING, PROPER HANDLING OF HAZARDOUS PRODUCTS AND PROPER SPILL CONTROL PRACTICES WILL BE FOLLOWED TO REDUCE THE RISK OF SPILL, AND SPILLS FROM DISCHARGING INTO STORMWATER RUNOFF.

9. GOOD HOUSEKEEPING:
(1) QUANTITIES OF PRODUCTS STORED ONSITE WILL BE LIMITED TO AMOUNT NEED FOR THE JOB.
(2) PRODUCTS AND MATERIALS WILL BE STORED IN A NEAT, ORDERLY MANNER IN APPROPRIATE CONTAINERS PROTECTED FROM RAINFALL, WHERE POSSIBLE.
(3) PRODUCTS WILL BE KEPT IN THEIR ORIGINAL CONTAINERS WITH MANUFACTURER LABELS LEGIBLE AND VISIBLE.
(4) PRODUCT MIXING, DISPOSAL AND DISPOSAL OF PRODUCT CONTAINERS WILL BE ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.
(5) THE CONTRACTOR WILL INSPECT SUCH MATERIALS TO ENSURE PROPER USE, STORAGE AND DISPOSAL.

10. PRODUCT SPECIFIC PRACTICES:
PETROLEUM BASED PRODUCTS - CONTAINERS FOR PRODUCTS SUCH AS FUELS, LUBRICANTS AND TARS WILL BE INSPECTED DAILY FOR LEAKS AND SPILLS. THIS INCLUDES ON-SITE VEHICLE AND MACHINERY DAILY INSPECTIONS, AND REGULAR PREVENTATIVE MAINTENANCE OF SUCH EQUIPMENT. EQUIPMENT MAINTENANCE AREAS WILL BE LOCATED AWAY FROM STATE WATERS, NATURAL DRAINS AND STORM WATER DRAINAGE INLETS. IN ADDITION, TEMPORARY FUELING TANKS SHALL HAVE A SECONDARY CONTAINMENT LINER TO PREVENT/MINIMIZE SITE CONTAMINATION. DISCHARGE OF OILS, FUELS AND LUBRICANTS IS PROHIBITED. PROPER DISPOSAL METHODS WILL INCLUDE COLLECTION IN A SUITABLE CONTAINER AND DISPOSAL AS REQUIRED BY LOCAL AND STATE REGULATIONS.

PAINTS/FINISHES/SOLVENTS - ALL PRODUCTS WILL BE STORED IN TIGHTLY SEALED ORIGINAL CONTAINERS WHEN NOT IN USE. EXCESS PRODUCT WILL NOT BE DISCHARGED TO THE STORM WATER COLLECTION SYSTEM. MATERIALS USED WITH THESE PRODUCTS AND PRODUCT CONTAINERS WILL BE DISPOSED OF ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.

CONCRETE TRUCKS WASHING - NO CONCRETE TRUCK WILL BE ALLOWED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE OR DRUM WASH WATER ONSITE.

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

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

SPILL CLEANUP AND CONTROL PRACTICES

1. LOCAL,

PHASE 1 EROSION CONTROL NOTES:

1. PRIOR TO THE LAND DISTURBANCE ACTIVITY, THE CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH THE AREA SITE DEVELOPMENT INSPECTOR.
2. THE CONTRACTOR SHALL OBSERVE THE PROJECT SEQUENCE SHOWN ON THE PLANS. THE CONTRACTOR SHALL MAINTAIN CAREFUL SCHEDULING AND PERFORMANCE TO INSURE THAT LAND STRIPPED OF ITS NATURAL COVER IS EXPOSED ONLY IN SMALL QUANTITIES.
3. THE OWNER/DEVELOPER AGREES TO PROVIDE AND MAINTAIN OFF-STREET PARKING ON THE SUBJECT PROPERTY DURING THE ENTIRE CONSTRUCTION PERIOD.
4. A COPY OF THE APPROVED LAND DISTURBANCE PLAN AND PERMIT SHALL BE PRESENT ON THE SITE AT ALL TIMES.
5. PRIOR TO COMMENCING LAND DISTURBANCE ACTIVITY. THE LIMITS OF LAND DISTURBANCE AND ALL STREAM BUFFERS SHALL BE CLEARLY AND ACCURATELY DEMARCATED WITH STAKES, RIBBONS, OR OTHER APPROPRIATE MEANS. THE LOCATION AND EXTENT OF ALL AUTHORIZED LAND DISTURBANCE ACTIVITY SHALL BE DEMARCATED FOR THE DURATION OF THE CONSTRUCTION ACTIVITY. NO LAND DISTURBANCE SHALL OCCUR OUTSIDE THE APPROVED LIMITS INDICATED ON THE APPROVED PLANS.
6. PRIOR TO ANY OTHER CONSTRUCTION, A STABILIZED CONSTRUCTION ENTRANCE SHALL BE CONSTRUCTED AT EACH POINT OF ENTRY TO OR EXIT FROM THE SITE OR ONTO ANY PUBLIC ROADWAY.
7. THE FOLLOWING INITIAL EROSION CONTROL MEASURES SHALL BE IMPLEMENTED PRIOR TO ANY OTHER CONSTRUCTION ACTIVITY:
   (A) THE CONSTRUCTION EXIT SHALL BE PLACED AS SHOWN ON THE PLAN.
   (B) IMMEDIATELY AFTER THE ESTABLISHMENT OF THE CONSTRUCTION EXIT, ALL PERIMETER EROSION CONTROL AND STORM WATER MANAGEMENT DEVICES SHALL BE INSTALLED AS SHOWN ON THE CLEARING PHASE EROSION CONTROL PLAN.
   (C) TREE PROTECTION FENCING SHOULD BE INSTALLED PRIOR TO THE START OF ANY LAND DISTURBANCE ACTIVITY.
8. THE CONTRACTOR CAN UTILIZE CLEARED TREES AS BARRIER BRUSH SEDIMENT CONTROL IN AREAS SHOWN ON PLAN WHERE INITIAL GRADING ACTIVITIES WILL NOT OCCUR.
9. NO BURN OR BURY PITS SHALL BE PERMITTED ON THE CONSTRUCTION SITE WITHOUT WRITTEN PERMISSION BY THE OWNER/DEVELOPER AND/OR THE ENGINEER OF RECORD.
10. MULCH OR TEMPORARY GRASSING SHALL BE APPLIED TO ALL EXPOSED AREAS WITHIN 7 DAYS OF LAND DISTURBANCE. ALL DISTURBED AREA LEFT MULCHED MORE THAN 30 DAYS SHALL BE STABILIZED WITH TEMPORARY VEGETATION.
11. SEDIMENT AND EROSION CONTROL MEASURES SHOULD BE INSPECTED REGULARLY AND MAINTAINED PER THE INDIVIDUAL MAINTENANCE REQUIREMENTS FOR EACH PRACTICE AS INDICATED IN THE LATEST "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA."
12. FAILURE TO INSTALL, OPERATE, OR MAINTAIN ALL EROSION CONTROL MEASURES MAY RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB UNTIL SUCH MEASURES ARE CORRECTED BACK TO THE APPROVED EROSION CONTROL PLANS.
13. WITHIN SEVEN (7) DAYS AFTER INSTALLATION OF THE INITIAL EROSION CONTROL MEASURES, THE SITE CONTRACTOR SHALL SCHEDULE AN INSPECTION BY THE DESIGN PROFESSIONAL. AS A RESULT OF THE INSPECTION, ALL DEFICIENCIES MUST BE CORRECTED WITHIN TWO (2) BUSINESS DAYS OF RECEIPT OF THE INSPECTION REPORT, UNLESS WEATHER RELATED SITE CONDITIONS ARE SUCH THAT ADDITIONAL TIME IS REQUIRED.

NO.	ADDRESS REJECTION/ISSUES, GDOT & COUNTY COMMENTS	BY	DATE
		RD	05.30.24

HARKLEROAD PROJECT 6416

Carter ◆ Harkleroad Group

94 E. CROGAN STREET, SUITE 100, LAWRENCEVILLE, GA 30046
(770) 982-1996

COA No. PEF000295, LSF000260 | DONALD W. HARKLEROAD & ASSOCIATES, INC. | EXPIRATION: 6-30-2026

GSWCC LEVEL II CERT. NO 10675

GEORGIA REGISTERED PROFESSIONAL ENGINEER CHRIS A. CARTER

08-30-24

THESE PLANS ARE SUBJECT TO FEDERAL COPYRIGHT LAWS. ANY USE OF SAME WITHOUT THE EXPRESSED WRITTEN PERMISSION OF RACETRAC INC. IS PROHIBITED.

RACEWAY

RACETRAC, INC.
200 GALLERIA PARKWAY S.E., SUITE 900
SUITE 100 ATLANTA, GA.30339
(770) 431-7600

EROSION CONTROL PLAN-PHASE 1

RACEWAY EDO 1633

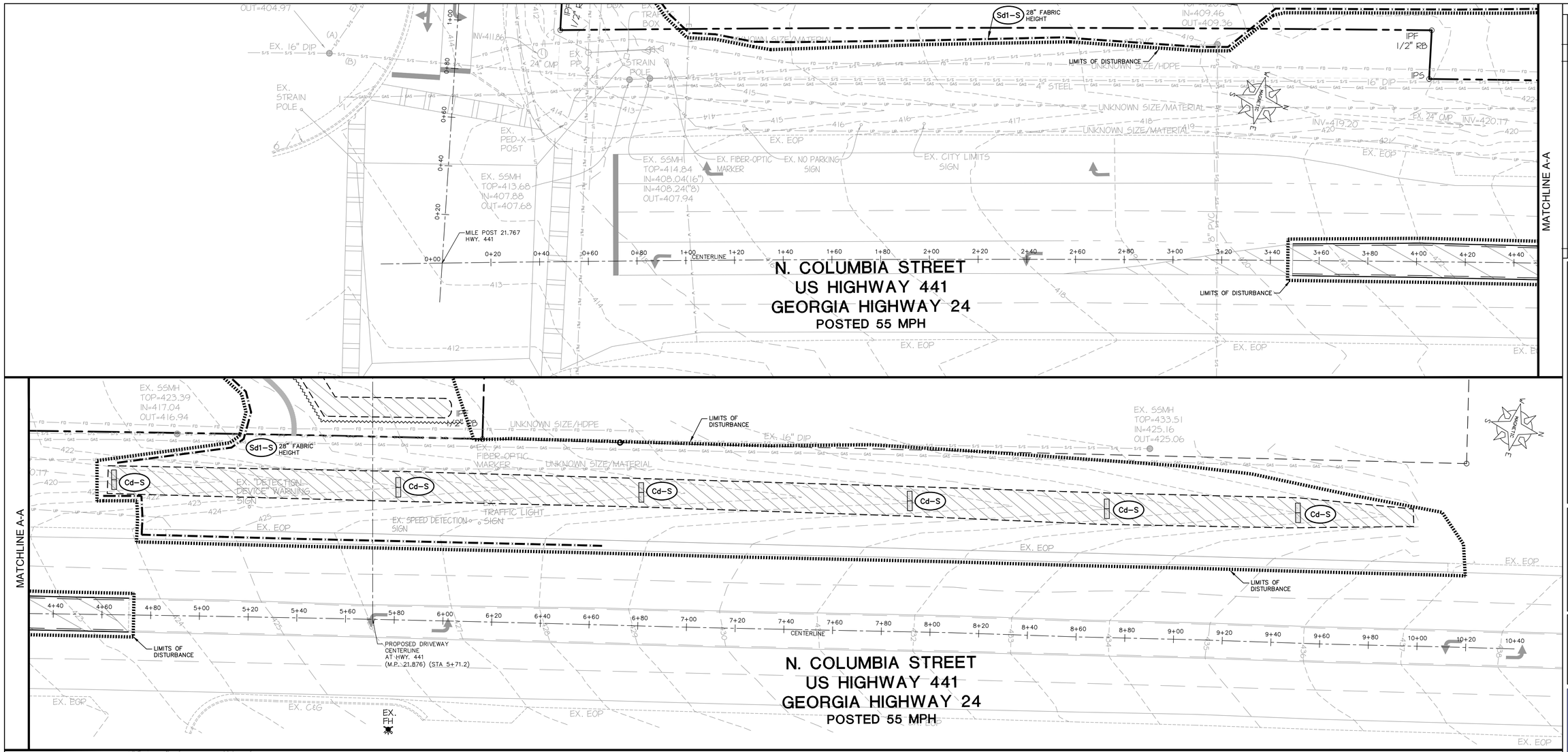
500 MERIWETHER ROAD
LAND LOT 185, 2ND DISTRICT
398TH GEORGIA MILITIA DISTRICT
BALDWIN COUNTY, GEORGIA

DATE	08/30/2024
SCALE	1"=30'
DRAWN BY	RD
DRAWING NAME:	6416cp.dwg
C2.1	1
SHEET NO.	REVISION

GEORGIA811 Utilities Protection Center, Inc. Know what's below. Call before you dig.

30' 15' 0 30' 60' 90' 1"=30'

H:\6416\6416cp.dwg Sep 04, 2024 - 2:45pm



HARKLEROAD PROJECT 6416

NO	REVISIONS	BY	DATE

Carter ♦ Harkleroad Group
94 E. CROGAN STREET, SUITE 100, LAWRENCEVILLE, GA 30046
(770) 982-1996
DONALD W. HARKLEROAD & ASSOCIATES, INC.
COA No. PEF000295, LSF000260 EXPIRATION: 6-30-2026
GSWCC LEVEL II CERT. NO 10875
GEORGIA REGISTERED No. 27... PROFESSIONAL ENGINEER CHRIS A. CARTER
08-30-24

THESE PLANS ARE SUBJECT TO FEDERAL COPYRIGHT LAWS. ANY USE OF SAME WITHOUT THE EXPRESSED WRITTEN PERMISSION OF RACETRAC INC. IS PROHIBITED.

RACEWAY
RACETRAC, INC.
200 GALLERIA PARKWAY S.E., SUITE 900
SUITE 100 ATLANTA, GA.30339
(770) 431-7600

ROADWAY IMPROVEMENT EROSION CONTROL PLAN PHASE 1

RACEWAY EDO 1633

500 MERIWETHER ROAD
LAND LOT 185, 2ND DISTRICT
318TH GEORGIA MILITIA DISTRICT
BALDWIN COUNTY, GEORGIA

DATE	08/30/2024
SCALE	1"=20'
DRAWN BY	RD
DRAWING NAME:	6416cp.dwg
SHEET NO.	C2.1G
REVISION	

H:\6416\6416cp.dwg Sep 04, 2024 - 10:49am

PHASE 2 EROSION CONTROL NOTES:

1. DURING CONSTRUCTION CONTRACTOR SHALL MAINTAIN CAREFUL SCHEDULING AND PERFORMANCE TO ENSURE THAT LAND STRIPPED OF ITS NATURAL GROUND COVER IS EXPOSED ONLY IN SMALL QUANTITIES AND THEREFORE LIMITED DURATIONS, BEFORE PERMANENT EROSION PROTECTION IS ESTABLISHED.
2. EARTHWORK OPERATIONS IN THE VICINITY OF STREAM BUFFERS SHALL BE CAREFULLY CONTROLLED TO AVOID DUMPING AND/OR SLOUGHING INTO THE BUFFER AREAS.
3. EROSION CONTROL DEVICES SHALL BE INSTALLED IMMEDIATELY AFTER GROUND DISTURBANCE OCCURS. THE LOCATION OF SOME OF THE EROSION CONTROL DEVICES MAY HAVE TO BE ALTERED FROM THAT SHOWN ON THE APPROVED PLANS IF DRAINAGE PATTERNS DURING CONSTRUCTION ARE DIFFERENT FROM THE PROPOSED DRAINAGE PATTERNS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACCOMPLISH EROSION CONTROL FOR ALL DRAINAGE PATTERNS CREATED AT VARIOUS STAGES DURING CONSTRUCTION. ANY DIFFICULTY IN CONTROLLING EROSION DURING ANY PHASE OF CONSTRUCTION SHALL BE REPORTED TO THE DESIGN PROFESSIONAL IMMEDIATELY.
4. BARRIERS SHALL BE ESTABLISHED AT THE TOP OF ALL SLOPES UNDER CONSTRUCTION. CUT AND FILL SLOPES SHALL NOT EXCEED 2H:1V.
5. ALL SLOPES 2.5H:1V AND STEEPER SHALL BE STABILIZED WITH APPROPRIATE SLOPE STABILIZATION.
6. TYPE "NON-SENSITIVE" SILT FENCE SHALL BE PLACED AT THE TOE OF ALL DIRT STOCK PILE AREAS.
7. ALL GRADED AREAS SHALL BE APPLIED WITH VEGETATIVE COVER AS SOON AS FINAL GRADE IS ACHIEVED.
8. MULCH OR TEMPORARY GRASSING SHALL BE APPLIED TO ALL EXPOSED AREAS WITHIN 7 DAYS OF LAND DISTURBANCE. ALL DISTURBED AREA LEFT MULCHED MORE THAN 30 DAYS SHALL BE STABILIZED WITH TEMPORARY VEGETATION.
9. SEDIMENT AND EROSION CONTROL MEASURES SHOULD BE INSPECTED REGULARLY AND MAINTAINED PER THE INDIVIDUAL MAINTENANCE REQUIREMENTS FOR EACH PRACTICE AS INDICATED IN THE LATEST "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".
10. FAILURE TO INSTALL, OPERATE, OR MAINTAIN ALL EROSION CONTROL MEASURES MAY RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB UNTIL SUCH MEASURES ARE CORRECTED BACK TO THE APPROVED EROSION CONTROL PLANS.
11. WITHIN SEVEN (7) DAYS AFTER INSTALLATION OF THE INTERMEDIATE EROSION CONTROL MEASURES, THE SITE CONTRACTOR SHALL SCHEDULE AN INSPECTION BY THE DESIGN PROFESSIONAL. AS A RESULT OF THE INSPECTION, ALL DEFICIENCIES MUST BE CORRECTED WITHIN TWO (2) BUSINESS DAYS OF RECEIPT OF THE INSPECTION REPORT, UNLESS WEATHER RELATED SITE CONDITIONS ARE SUCH THAT ADDITIONAL TIME IS REQUIRED.

DRAINAGE AREA (6.0 ACRES)

NOW OR FORMERLY
ALIGNED PARTNERS MILLEDGEVILLE, LLC
500 MERIWETHER ROAD
DB 1508 PG 482
TAX ID 084 002G
NO CURRENT ZONING

NOW OR FORMERLY
FELLOWSHIP MILLEDGEVILLE IL, LLC
2902 N. COLUMBIA STREET
DB 1519 PG 587
TAX ID 084 002F
NO CURRENT ZONING

MERIWETHER ROAD
80' RIGHT OF WAY

Sd1–S 28" FABRIC HEIGHT
Sd2–B
Co
20'X50' CONSTRUCTION EXIT 33.1669'N -83.2833'W
Ss Ds2
Ds1 Ds2 Du
DRAINAGE AREA (4.0 ACRES)
LIMITS OF DISTURBANCE
DRAINAGE BREAK (TYP)
Sk
TEMPORARY SEDIMENT BASIN W/ SKIMMER:
TOTAL DRAINAGE AREA = 4.0 ACRES
TEMPORARY SEDIMENT STORAGE REQUIRED = 268 CYD
TEMPORARY SEDIMENT STORAGE PROVIDED = 1226 CYD
Sd2–F
St NO.5
St NO.6
St NO.2
St NO.4
Ds3 Sd3
Cd–S
Ch–1
POSTED 45 MPH
SAMPLING STATION 1
EX. 55MH TOP=423.75 IN=417.75 OUT=417.05
EX. 55MH TOP=423.39 IN=417.04 OUT=416.94
EX. 55MH TOP=433.51 IN=425.16 OUT=425.06
EX. 55MH TOP=414.84 IN=407.84 OUT=407.68
EX. 55MH TOP=413.68 IN=407.88 OUT=407.68
EX. 55MH TOP=418.04(16") IN=408.24(8") OUT=407.94
EX. FIBER-OPTIC MARKER
EX. NO PARKING SIGN
EX. CITY LIMITS SIGN
EX. 24" CMP INV=420.17
INV=419.20
IPF 1/2" RB
IP5
VIEW A
MATCH LINE A–A
MATCH LINE A–A (SEE VIEW A)

N. COLUMBIA STREET
US HIGHWAY 441
GEORGIA HIGHWAY 24
RIGHT OF WAY VARIES
POSTED 55 MPH

N. COLUMBIA STREET
US HIGHWAY 441
GEORGIA HIGHWAY 24

GEORGIA811 Utilities Protection Center, Inc. Know what's below. Call before you dig.

30' 15' 0 30' 60' 90
1"= 30'

NO.	REVISION	BY	DATE
	ADDRESS RACETRAC PRM ISSUES, GDOT & COUNTY COMMENTS	RD	08.30.24

HARKLEROAD PROJECT 6416

Carter ◆ Harkleroad Group
94 E. CROGAN STREET, SUITE 100, LAWRENCEVILLE, GA 30046
(770) 982–1996
DONALD W. HARKLEROAD & ASSOCIATES, INC.
COA No. PEF000295, LSF000260 EXPIRATION: 6–30–2026
GSWCC LEVEL II CERT. NO 10675
GEORGIA REGISTERED 27013 PROFESSIONAL ENGINEER CHRIS A. CARTER
08–30–24

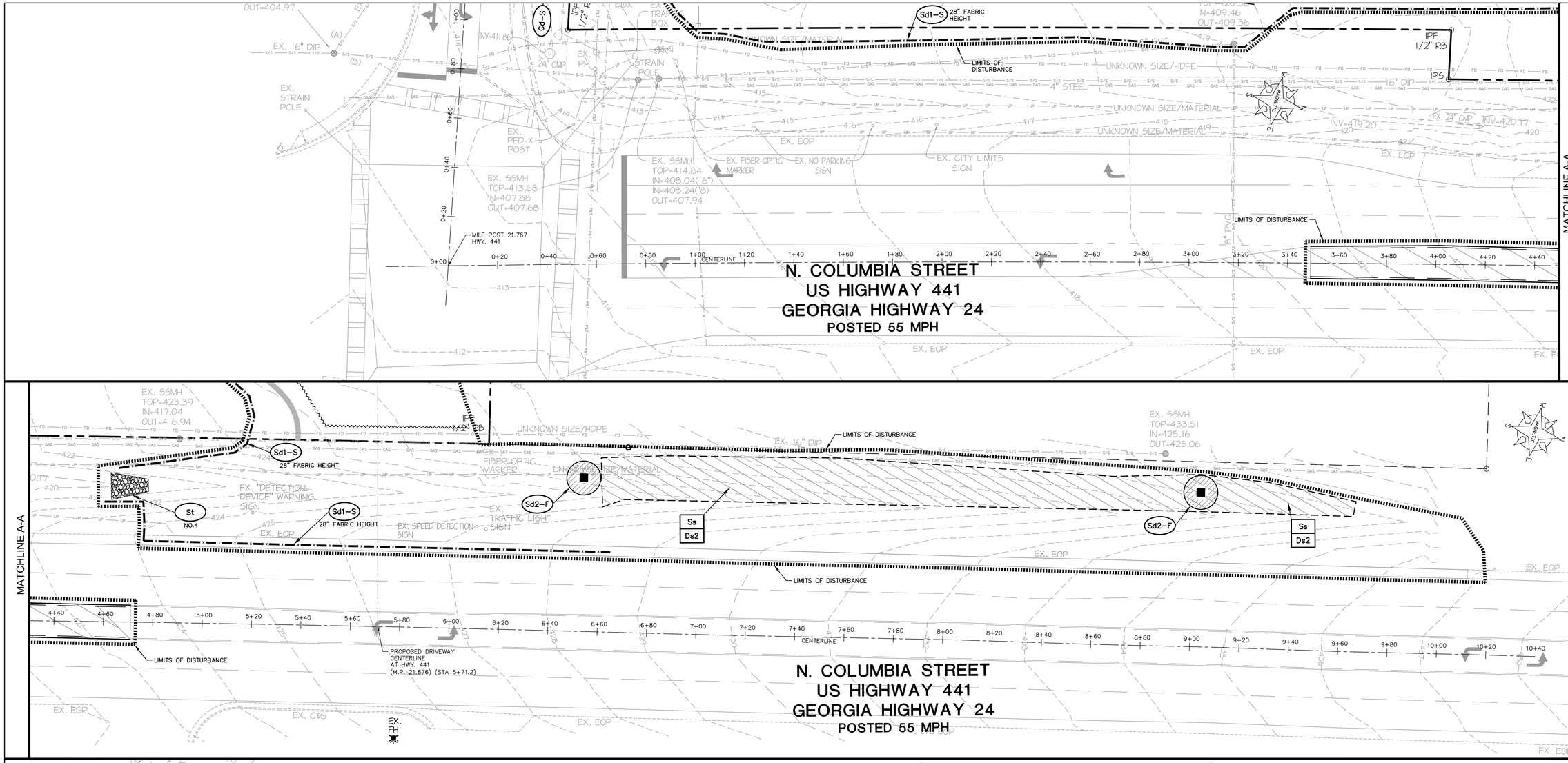
THESE PLANS ARE SUBJECT TO FEDERAL COPYRIGHT LAWS. ANY USE OF SAME WITHOUT THE EXPRESSED WRITTEN PERMISSION OF RACETRAC INC. IS PROHIBITED.

RACEWAY
RACETRAC, INC.
200 GALLERIA PARKWAY S.E., SUITE 900
SUITE 100 ATLANTA, GA.30339
(770) 431–7600

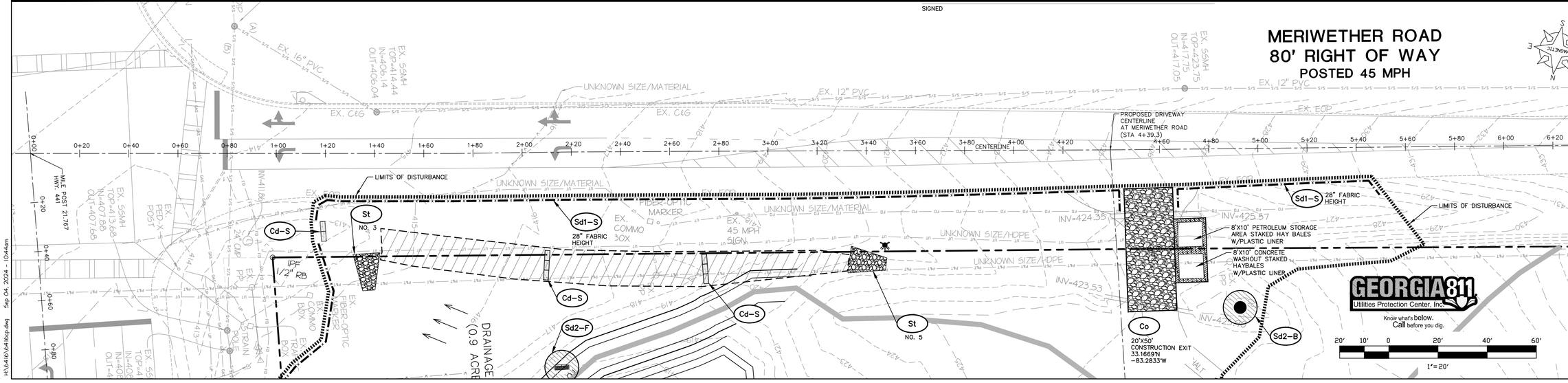
EROSION CONTROL PLAN-PHASE 2
RACEWAY EDO 1633
500 MERIWETHER ROAD
LAND LOT 185, 2ND DISTRICT
318TH GEORGIA MILITIA DISTRICT
BALDWIN COUNTY, GEORGIA

DATE	08/30/2024
SCALE	1"=30'
DRAWN BY	RD
DRAWING NAME:	6416cp.dwg
C2.2	1
SHEET NO.	REVISION

H:\6416\04\16cp.dwg Sep 04, 2024 - 10:46am



SIGNED



HARKLEROAD PROJECT 6416

Carter ◆ Harkleroad Group

94 E. CROGAN STREET, SUITE 100, LAWRENCEVILLE, GA 30046
(770) 982-1996

COA No. PEF000295, LSF000260 | EXPIRATION: 6-30-2026

DONALD W. HARKLEROAD & ASSOCIATES, INC.

GSWCC LEVEL II CERT. NO 10875

GEORGIA REGISTERED No. 27015 PROFESSIONAL ENGINEER CHRIS A. CARTER

08-30-24

THESE PLANS ARE SUBJECT TO FEDERAL COPYRIGHT LAWS. ANY USE OF SAME WITHOUT THE EXPRESSED WRITTEN PERMISSION OF RACETRAC INC. IS PROHIBITED.

RACEWAY

RACETRAC, INC.
200 GALLERIA PARKWAY S.E., SUITE 900
SUITE 100 ATLANTA, GA.30339
(770) 431-7600

NO	REVISIONS	BY	DATE

ROADWAY IMPROVEMENT EROSION CONTROL PLAN PHASE 2

RACEWAY EDO 1633

500 MERIWETHER ROAD
LAND LOT 185, 2ND DISTRICT
318TH GEORGIA MILITIA DISTRICT
BALDWIN COUNTY, GEORGIA

DATE	08/30/2024
SCALE	1"=20'
DRAWN BY	RD
DRAWING NAME: 6416cp.dwg	
C2.2G	
SHEET NO.	REVISION

H:\6x\6416\c\6416cp.dwg Sep 04, 2024 - 10:44am

PHASE 3 EROSION CONTROL NOTES:

1. THE CONTRACTOR SHALL MAINTAIN ALL SEDIMENT STORAGE FACILITIES AND EROSION CONTROL MEASURES UNTIL PERMANENT GROUND COVER IS ESTABLISHED.
2. SEDIMENT AND EROSION CONTROL MEASURES SHOULD BE INSPECTED REGULARLY AND MAINTAINED PER THE INDIVIDUAL MAINTENANCE REQUIREMENTS FOR EACH PRACTICE AS INDICATED IN THE LATEST "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".
3. FAILURE TO INSTALL, OPERATE, OR MAINTAIN ALL EROSION CONTROL MEASURES MAY RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB UNTIL SUCH MEASURES ARE CORRECTED BACK TO THE APPROVED EROSION CONTROL PLANS.
4. UPON FINAL PERMANENT STABILIZATION OF THE PROJECT THE CONTRACTOR SHALL REMOVE ALL TEMPORARY EROSION CONTROL MEASURES AND DISPOSE OF THEM, UNLESS NOTED OTHERWISE ON THE PLANS.
5. ADD APPROPRIATE ORGANIC SOIL AMENDMENTS (e.g., COMPOST) AND CONDUCT PRE- AND POST-CONSTRUCTION SOIL SAMPLING TO A DEPTH OF SIX (6) INCHES TO DOCUMENT IMPROVED LEVELS OF SOIL CARBON AFTER FINAL STABILIZATION OF THE CONSTRUCTION SITE.
6. CONDUCT SOIL TESTS TO IDENTIFY AND TO IMPLEMENT SITE-SPECIFIC FERTILIZER NEEDS. REFER TO LANDSCAPE PLANS FOR FURTHER INFORMATION.
7. WITHIN SEVEN (7) DAYS AFTER INSTALLATION OF THE FINAL EROSION CONTROL MEASURES, THE SITE CONTRACTOR SHALL SCHEDULE AN INSPECTION BY THE DESIGN PROFESSIONAL. AS A RESULT OF THE INSPECTION, ALL DEFICIENCIES MUST BE CORRECTED WITHIN TWO (2) BUSINESS DAYS OF RECEIPT OF THE INSPECTION REPORT, UNLESS WEATHER RELATED SITE CONDITIONS ARE SUCH THAT ADDITIONAL TIME IS REQUIRED.

NOW OR FORMERLY
ALIGNED PARTNERS MILLEDGEVILLE, LLC
500 MERIWETHER ROAD
DB 1508 PG 482
TAX ID 084 002G
NO CURRENT ZONING

NOW OR FORMERLY
FELLOWSHIP MILLEDGEVILLE IL, LLC
2902 N. COLUMBIA STREET
DB 1519 PG 567
TAX ID 084 002F
NO CURRENT ZONING

MERIWETHER ROAD
80' RIGHT OF WAY

LIMITS OF DISTURBANCE

RACEWAY 1633
3,500 SQ. FT.
F.F.E.= 422.64
BLDG. HEIGHT = 23'-0"

POSTED 45 MPH

SAMPLING STATION 1

N. COLUMBIA STREET
US HIGHWAY 441
GEORGIA HIGHWAY 24
RIGHT OF WAY VARIES
POSTED 55 MPH

TOM-TOP OF SANITARY SEWER MANHOLE
EL = 420.36' (MSL)

VIEW A

N. COLUMBIA STREET
US HIGHWAY 441
GEORGIA HIGHWAY 24

MATCH LINE A–A

MATCH LINE A–A (SEE VIEW A)

GEORGIA811 Utilities Protection Center, Inc.
Know what's below. Call before you dig.

30' 15' 0 30' 60' 90
1"= 30'

NO	DESCRIPTION	DATE
2	ADDRESS CRM COMMENTS	10-04-24
1	ADDRESS RACETRAC/PRM, ISSWDS, GDOT & COUNTY COMMENTS	09-30-24
NO.	REVISION	DATE

HARKLEROAD PROJECT 6416

Carter ◆ Harkleroad Group
94 E. CROGAN STREET, SUITE 100, LAWRENCEVILLE, GA 30046
(770) 982-1996
DONALD W. HARKLEROAD & ASSOCIATES, INC.
COA No. PEF000295, LSF000260 EXPIRATION: 6-30-2026

GSWCC LEVEL II CERT. NO 10875

GEORGIA REGISTERED No. 27011 PROFESSIONAL ENGINEER CHRIS A. CARTER
10-04-24

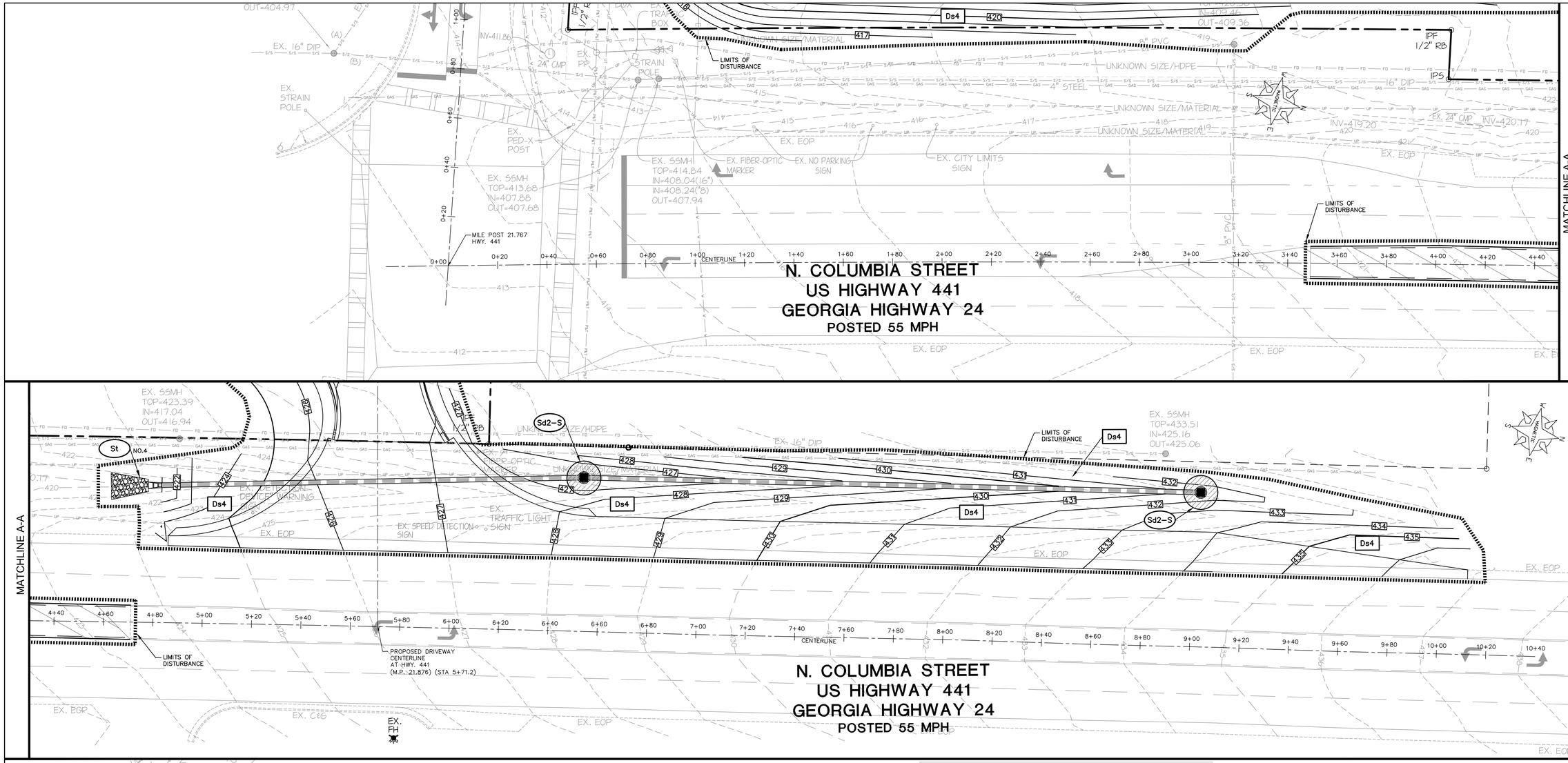
THESE PLANS ARE SUBJECT TO FEDERAL COPYRIGHT LAWS. ANY USE OF SAME WITHOUT THE EXPRESSED WRITTEN PERMISSION OF RACETRAC INC. IS PROHIBITED.

RACEWAY
RACETRAC, INC.
200 GALLERIA PARKWAY S.E., SUITE 900
SUITE 100 ATLANTA, GA.30339
(770) 431-7600

EROSION CONTROL PLAN-PHASE 3
RACEWAY EDO 1633
500 MERIWETHER ROAD
LAND LOT 185, 2ND DISTRICT
338TH GEORGIA MILITIA DISTRICT
BALDWIN COUNTY, GEORGIA

DATE	08/30/2024
SCALE	1"=30'
DRAWN BY	RD
DRAWING NAME:	6416cp.dwg
C2.3	2
SHEET NO.	REVISION

H:\6416\04\6cp.dwg Oct 04, 2024 - 2:42pm



HARKLEROAD PROJECT 6416

Carter ♦ Harkleroad Group

94 E. CROGAN STREET, SUITE 100, LAWRENCEVILLE, GA 30046
(770) 982-1996

DONALD W. HARKLEROAD & ASSOCIATES, INC.
COA No. PEF000295, LSF000260 | EXPIRATION: 6-30-2026

NO	REVISIONS	BY	DATE

GSWCC LEVEL II CERT. NO 10675

GEORGIA REGISTERED PROFESSIONAL ENGINEER
CHRIS A. CARTER

08-30-24

THESE PLANS ARE SUBJECT TO FEDERAL COPYRIGHT LAWS. ANY USE OF SAME WITHOUT THE EXPRESSED WRITTEN PERMISSION OF RACETRAC INC. IS PROHIBITED.

RACEWAY

RACETRAC, INC.
200 GALLERIA PARKWAY S.E., SUITE 900
SUITE 100 ATLANTA, GA.30339
(770) 431-7600

ROADWAY IMPROVEMENT EROSION CONTROL PLAN PHASE 3
RACEWAY EDO 1633
500 MERIWETHER ROAD
LAND LOT 185, 2ND DISTRICT
318TH GEORGIA MILITIA DISTRICT
BALDWIN COUNTY, GEORGIA

DATE	08/30/2024
SCALE	1"=20'
DRAWN BY	RD
DRAWING NAME:	6416cp.dwg
C2.3G	
SHEET NO.	REVISION

H:\6x6\6x6\6x6cp.dwg Sep 04, 2024 - 2:52pm

GEORGIA
UNIFORM CODING SYSTEM
FOR SOIL EROSION AND SEDIMENTATION CONTROL PRACTICES
GEORGIA SOIL AND WATER CONSERVATION COMMISSION

STRUCTURAL PRACTICES

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

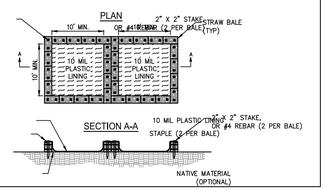
STRUCTURAL PRACTICES

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

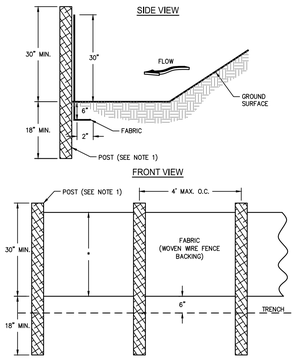
VEGETATIVE PRACTICES

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

CONCRETE WASHOUT AND PETROLEUM STORAGE DETAIL



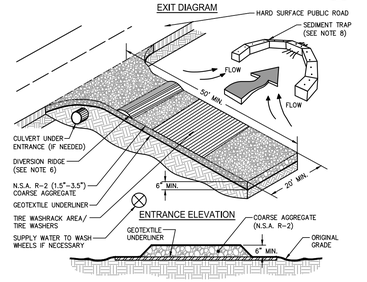
SILT FENCE - TYPE SENSITIVE (Sd1-S)



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.
3. REFER TO THE GDOT QUALIFIED PRODUCT LIST (QPL-36) FOR ALTERNATE SILT FENCE FABRIC (TYPE C) (http://gaswcc.georgia.gov/documents)

NOTE: FABRIC HEIGHT TO BE 30".

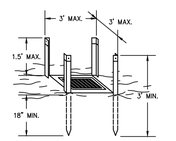
CRUSHED STONE CONSTRUCTION EXIT (Co)



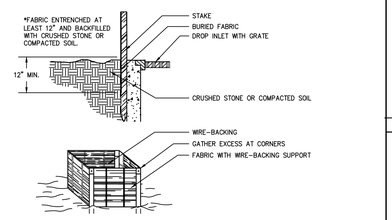
NOTES:
1. AVOID LOCATING ON STEEP SLOPES OR AT CURVES ON PUBLIC ROADS.
2. REMOVE ALL VEGETATION AND OTHER UNSUITABLE MATERIAL FROM THE FOUNDATION AREA, GRADE, AND CROWN FOR POSITIVE DRAINAGE.
3. AGGREGATE SIZE SHALL BE IN ACCORDANCE WITH NATIONAL STONE ASSOCIATION R-2 (1.5"-3.5" STONE).
4. GRAVEL PAD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

FABRIC AND SUPPORTING FRAME FOR INLET PROTECTION (Sd2-F)

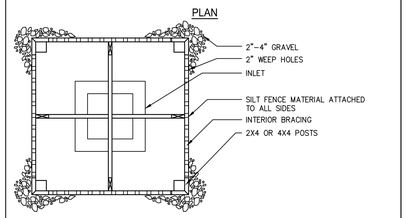
STEEL FRAME AND SILT FENCE INSTALLATION



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.
5. REFER TO THE GDOT QUALIFIED PRODUCT LIST (QPL-36) FOR ALTERNATE SILT FENCE FABRIC (TYPE C) (http://gaswcc.georgia.gov/documents)

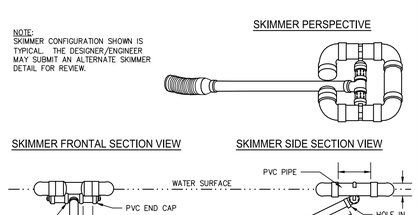


BAFFLE BOX (Sd2-B)

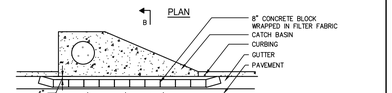


FLOATING SURFACE SKIMMER (Sk)

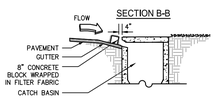
NOTE:
SKIMMER CONFIGURATION SHOWN IS TYPICAL. THE DESIGNER/ENGINEER MAY SUBMIT AN ALTERNATE SKIMMER DETAIL FOR REVIEW.

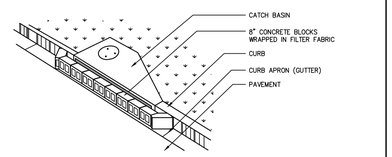


CURB INLET FILTER "PIGS IN BLANKET" (Sd2-P)



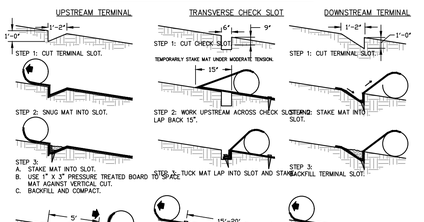
NOTES:
1. INSTALL FILTER AFTER ANY ASPHALT PAVEMENT INSTALLATION.
2. WRAP 8" CONCRETE BLOCKS IN FILTER FABRIC AND SPAN ACROSS CATCH BASIN INLET.
3. FACE OPENINGS IN BLOCKS OUTWARD.
4. LEAVE A GAP OF APPROXIMATELY 4 INCHES BETWEEN THE CURB AND THE FILTERS TO ALLOW FOR OVERFLOW TO PREVENT HAZARDOUS PONDING.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



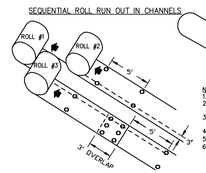


TYPICAL INSTALLATION GUIDELINES FOR ROLLED EROSION CONTROL PRODUCTS (RECP) (Ss)

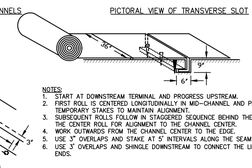
BLANKET AND MATTING CROSS-SECTIONS



SEQUENTIAL ROLL RUN OUT IN CHANNELS



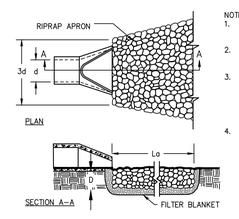
PICTORAL VIEW OF TRANSVERSE SLOT



NOTES:
1. START AT DOWNSTREAM TERMINAL AND PROGRESS UPSTREAM.
2. FIRST ROLL IS CENTERED LONGITUDINALLY IN MID-CHANNEL AND PINNED WITH TEMPORARY STAKES TO MAINTAIN ALIGNMENT.
3. SUBSEQUENT ROLLS FOLLOW IN STAGGERED SEQUENCE BEHIND THE FIRST ROLL. USE THE CENTER ROLL FOR ALIGNMENT TO THE CHANNEL CENTER.
4. WORK OUTWARDS FROM THE CHANNEL CENTER TO THE EDGE.
5. USE 3" OVERLAPS AND STAKE AT 5' INTERVALS ALONG THE SEAMS.
6. USE 3' OVERLAPS AND SHINGLE DOWNSTREAM TO CONNECT THE LINING AT THE ROLL ENDS.

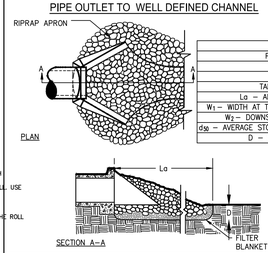
RIPRAP OUTLET PROTECTION (St)

PIPE OUTLET TO FLAT AREA -- NO 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.

PIPE OUTLET TO WELL DEFINED CHANNEL



DISCHARGE POINT	1	2	3	4	5	6	7
PIPE DIAMETER (IN)	4	24	18	18	24	18	N/A
FLOW RATE (CFS)	1	17	4	10	16	9	10
VELOCITY (FPS)	2	6	5	7	8	6	4
TAILWATER CONDITION	MIN	MIN	MIN	MAX	MAX	MIN	MAX
La – APRON LENGTH (FT)	6	13	9	8	9	9	9
W_1 – WIDTH AT THE HEADWALL (FT)	1	6	5	5	6	5	6
W_2 – DOWNSTREAM WIDTH (FT)	7	15	11	5	6	11	6
dso – AVERAGE STONE DIAMETER (FT)	0.2	0.4	0.3	0.2	0.2	0.3	0.2
D – STONE DEPTH (FT)	0.5	0.9	0.7	0.5	0.5	0.7	0.5

GEORGIA811 Utilities Protection Center, Inc.
Know what's below. Call before you dig.

NO	REVISIONS	BY	DATE

HARKLEROAD PROJECT 6416

Carter ◆ Harkleroad Group
94 E. CROGAN STREET, SUITE 100, LAWRENCEVILLE, GA 30046
(770) 982-1996
DONALD W. HARKLEROAD & ASSOCIATES, INC.
COA No. PEF000295, LSF000260 EXPIRATION: 6-30-2026

GSWCC LEVEL II CERT. NO 10875

GEORGIA REGISTERED PROFESSIONAL ENGINEER TRISA CARTER
08-30-24

THESE PLANS ARE SUBJECT TO FEDERAL COPYRIGHT LAWS. ANY USE OF SAME WITHOUT THE EXPRESSED WRITTEN PERMISSION OF RACETRAC INC. IS PROHIBITED.

RACEWAY

RACETRAC, INC.
200 GALLERIA PARKWAY S.E., SUITE 900
SUITE 100 ATLANTA, GA.30339
(770) 431-7600

EROSION CONTROL DETAILS
RACEWAY EDO 1633
500 MERIWETHER ROAD
LAND LOT 185, 2ND DISTRICT
3RD GEORGIA MILITIA DISTRICT
BALDWIN COUNTY, GEORGIA

DATE	08/30/2024
SCALE	N.T.S.
DRAWN BY	RD
DRAWING NAME: 6416cp.dwg	
C2.4	
SHEET NO.	REVISION

H:\6416\6416cp.dwg Sep 04, 2024 - 2:44pm

DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)

Ds1

REQUIREMENT FOR REGULATORY COMPLIANCE

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 or 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 any area will remain undisturbed for greater than six months, permanent vegetative techniques shall be employed. Refer to **Ds2 –Disturbed Area stabilization (With Temporary Disturbed Area Stabilization Seeding), Ds3 – Disturbed Area Stabilization (With Permanent Seeding), and Ds4 – Disturbed Area Stabilization (With Sodding).**

SPECIFICATIONS

Mulching Without Seeding

This standard applies to graded 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 mechanical equipment.
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. Tackifiers binders and hydraulic mulch with tackifiers er specifically designed for tacking straw can be substituted for emulsified asphalt. Please refer to specification **Tac – Tackifiers**. 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.

DUST CONTROL ON DISTURBED AREAS

Du

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 specification **Tac – Tackifiers**. Resins such as Curasol or Terratack should be used according to manufacturer's recommendations.

Vegetative Cover. See specification **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 specification **Tac – Tackifiers.**

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 specification **Ds3 –Disturbed Area Stabilization (With Permanent Vegetation)**. Existing trees and large shrubs may afford valuable protection if left in place.

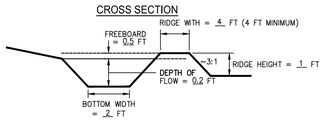
Topsoiling. This entails covering the surface with less erosive soil material. See specification **Tp – Topsoiling.**

Stone. Cover surface with crushed stone or coarse gravel. See specification **Cr–Construction Road Stabilization.**

DIVERSION CHANNEL

Di

CROSS SECTION



NOTES:
1. ALL TREES, BRUSH, STUMPS, OBSTRUCTIONS, AND OTHER OBJECTIONABLE MATERIAL SHALL BE REMOVED AND DISPOSED OF SO NOT TO INTERFERE WITH PROPER FUNCTIONING OF THE DIVERSION.
2. THE DIVERSION SHALL BE EXCAVATED OR SHAPED IN LINE, GRADE, AND CROSS SECTION AS REQUIRED TO MEET THE CRITERIA SPECIFIED HEREIN AND FREE OF IRREGULARITIES WHICH WILL IMPEDE NORMAL FLOW.
3. ALL FILLS SHALL NE MACHINE COMPACTED AS NEEDED TO PREVENT UNEQUAL SETTLEMENT THAT WOULD CAUSE DAMAGE IN THE COMPLETED DIVERSION.
4. ALL EARTH REMOVED AND NOT NEEDED IN CONSTRUCTION SHALL BE SPREAD OR DISPOSED OF SO THAT IT WILL NOT INTERFERE WITH THE FUNCTIONING OF THE DIVERSION.
5. DIVERSION CHANNEL SHALL BE STABILIZED IN ACCORDANCE WITH SPECIFICATION CH–CHANNEL STABILIZATION.

DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)

Ds2

REQUIREMENT FOR REGULATORY COMPLIANCE

Mulch or temporary grassing shall be applied to all exposed areas within 14 days of disturbance. Temporary grassing, instead of mulch, can be applied to rough graded areas that will be exposed for less than six months. If an area is expected to be undisturbed for longer than six months, permanent perennial vegetation shall be used. If optimum planting conditions for temporary grassing is lacking, mulch can be used as a singular erosion control device for up to six months but it shall be applied at the appropriate depth, anchored, and have a continuous 90% cover or greater of the soil surface. Refer to specification **Ds1–Disturbed Area Stabilization (With Temporary Seeding).**

CONDITIONS

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. Note: Some species of temporary vegetation are not appropriate for companion crop plantings because of their potential to out–compete the desired species (e.g. annual ryegrass). Contact NRCS or the local SWCD for more information.

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 hand – seeding, 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 determined by soil test for pH. Quick acting lime should be incorporated to modify pH during the germination period. Bio stimulants should also be considered when there is less than 3% organic matter in the soil. Graded areas require lime application. Soils must be tested to determine required amounts of fertilizer and amendments. Fertilizer should be applied before land preparation and incorporated with a disk, ripper, or chisel. On slopes too steep for, or inaccessible to equipment, fertilizer shall be hydraulically applied, preferably in the first pass with seed and some hydraulic mulch, then topped with the remaining required application rate.

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, culti–packer–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. See Table 6–4.1

Mulching

Temporary vegetation can, in most cases, be established without the use of mulch, provided there is little to no erosion potential. However, the use of mulch can often accelerate and enhance germination and vegetation establishment. 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.

Table 6–4.1 – Temporary Cover or Companion Cover Crops
PLANT, PLANTING RATE, AND PLANTING DATE FOR TEMPORARY COVER OR COMPANION CROPS [1]

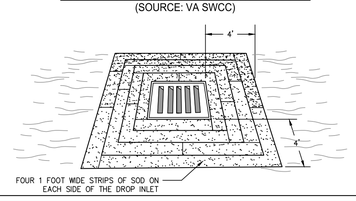
Species	Broadcast Rates		Resource Area [2]	Planting Dates by Resource Area (Solid lines indicate optimum dates, dotted lines indicate permissible but marginal dates.) J F M A M J J A S O N D	Remarks
	Rate Per Acre [2]	Pure Live Seed (PLS) Per 1000 sq. ft.			
BARLEY Hordeum vulgare					
alone	3 bu. (144 lbs)	3.3 lbs	M-L		14,000 seed per pound. Winter hardy. Use on productive soils.
in mixture	1/2 bu. (24 lbs)	0.6 lb	P		
			C		
LESPEDEZA, ANNUAL Lespedeza striata					
alone	40 lbs	0.9 lb	M-L		200,000 seed per pound. May volunteer for several years. Use inoculant EL.
in mixture	10 lbs	0.2 lb	P		
			C		
LOVEGRASS, WEEPING Eragrostis curvula					
alone	4 lbs	0.1 lb	M-L		1,500,000 seed per pound. May last for several years. Mix with Sericea lespedeza.
in mixture	2 lbs	0.05 lb	P		
			C		
MILLET, BRONWTOP Panicum fasciculatum					
alone	40 lbs	0.9 lb	M-L		137,000 seed per pound. Quick dense cover. Will provide excessive competion in mixtures if seeded at high rate.
in mixture	10 lbs	0.2 lb	P		
			C		
MILLET, PEARL Pennesetum glaucum					
alone	40 lbs	0.9 lb	M-L		88,000 seed per pound. Quick dense cover. May reach 5 feet in height. Not recommended for mixtures.
			P		
			C		
OATS Avena sativa					
alone	4 bu. (128 lbs)	2.9 lbs	M-L		13,000 seed per pound. Use on productive soils. Not as a winter hardy as rye or barley.
in mixture	1 bu. (32 lbs)	0.7 lb	P		
			C		
RYE Secale cereale					
alone	3 bu. (168 lbs)	3.9 lbs	M-L		18,000 seed per pound. Quick cover. Drought tolerant and winter hardy.
in mixture	1/2 bu. (28 lbs)	0.6 lb	P		
			C		
RYEGRASS, ANNUAL Lolium temulentum					
alone	40 lbs.	0.9 lb	M-L		227,000 seed per pound. Dense cover. Very competitive and is not to be used in mixes.
			P		
			C		
SUDANGRASS Sorghum sudanese					
alone	60 lbs.	1.4 lbs	M-L		55,000 seed per pound. Good on droughty sites. Not recommened for mixtures.
			P		
			C		
TRITICALE X-Triticosecale					
alone	3 bu. (144 lbs)	3.3 lbs	C		Use on lower part of Southern Coastal Plain and in Atlantic Coastal Flatwoods only.
in mixture	1/2 bu. (24 lbs)	0.6 lb			
WHEAT Triticum aestivum					
alone	3 bu. (180 lbs)	4.1 lbs	M-L		15,000 seed per pound. Winter hardy.
in mixture	1/2 bu. (30 lbs)	0.7 lb	P		
			C		

[1] Temporary cover crops are very competitive and will crowd out perennials if seeded too heavily.
[2] Reduce seeding rates by 50% when drilled.
[3] M-L represents the Mountain; Blue Ridge; and Ridges and Valleys MLRAs.
P represents the Southern Piedmont MLRA.
C represents Southern Coastal Plain; Sand Hills; Black Lands; and Atlantic Coast Flatwoods MLRAs.

INLET SEDIMENT TRAP

Sd2–S

SOD STRIPS PROTECT INLET AREA FROM EROSION
(SOURCE: VA SWCC)



DISTURBED AREA STABILIZATION (WITH SODDING)

Ds4

CONDITIONS

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

CONSTRUCTION SPECIFICATIONS

Soil Preparation

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

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

Mix fertilizer into soil surface. Fertilize based on soil tests or Table 6–6.1.

Table 6–6.1. Fertilizer Requirements for Soil Surface Application

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

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

Installation

Lay sod with tight joints and in straight lines. Don't overlap joints. Stagger joints and do not stretch sod (See Figure 6–6.2)

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

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

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

MATERIALS

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

1. Sod should be machine cut and contain 3/4" (+ or –1/4") of soil, not including shoots or thatch.
2. Sod should be cut to the desired size within + or –5%. Torn or uneven pads should be rejected.
3. Sod should be cut and installed within 36 hours of digging.
4. Avoid planting when subject to frost heave or hot weather, if irrigation is not available.
5. 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 Tifawn	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 (See Figure 6–6.2).

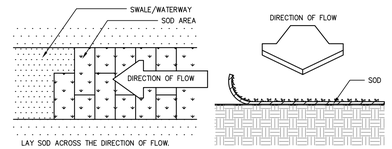
Apply one ton of agricultural lime as indicated by soil test or every 4–6 years. Fertilize grasses in accordance with soil tests or Table 6–6.3.

Table 6–6.3
Fertilizer Requirements for Sod

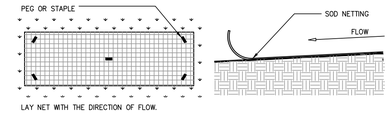
Types of Species	Planting Year	Fertilizer (N–P–K)	Rate (lbs./acre)	Nitrogen Top Dressing Rate (lbs./acre)
cool season grasses	first second maintenance	6–12–12 6–12–12 10–10–10	1500 1000 400	50–100 – 30
warm season grasses	first second maintenance	6–12–12 6–12–12 10–10–10	1500 800 400	50–100 50–100 30

SODDED WATERWAYS

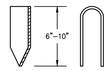
SOD DIRECTIONS



NETTING DIRECTIONS



PEG DETAIL



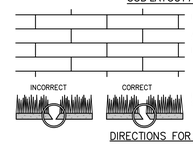
IN CRITICAL AREAS, SECURE SOD WITH NETTING USING STAPLES.

USE PEGS OR STAPLES TO FASTEN SOD FIRMLY — AT THE ENDS OF STRIPS AND IN THE CENTER, OR EVERY 3–4 FEET IF THE STRIPS ARE LONG. WHEN READY TO MOW, DRIVE PEGS OR STAPLES FLUSH WITH THE GROUND.

Figure 6-6.1

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

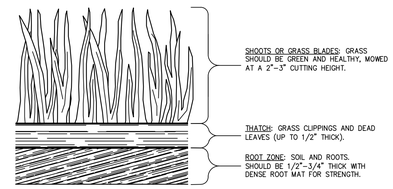


Figure 6-6.2

HWY 441 (PHASE 1)

TO BE SHOWN ON THE EROSION AND SEDIMENT CONTROL PLAN

1.cfs in the channel/ditch that the check dam is being used in: 9.8

2. Above 2.0 cfs: Yes X No

3. If Yes, list BMP being used in conjunction with check dams: Ss – RECP

MERIWETHER RD (PHASE 2)

TO BE SHOWN ON THE EROSION AND SEDIMENT CONTROL PLAN

1.cfs in the channel/ditch that the check dam is being used in: 15.8

2. Above 2.0 cfs: Yes X No

3. If Yes, list BMP being used in conjunction with check dams: Ss – RECP

STONE CHECK DAM

SPACING BETWEEN CHECK DAMS

A = THE TOE OF THE UPSTREAM CHECK DAM.
B = TOP OF THE DOWNSTREAM CHECK DAM.
L = THE DISTANCE SUCH THAT POINTS A AND B ARE OF EQUAL ELEVATION.

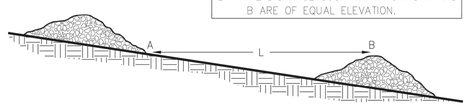


Figure 6-12.1

STONE CHECK DAM

SPACING BETWEEN CHECK DAMS

A = THE TOE OF THE UPSTREAM CHECK DAM.
B = TOP OF THE DOWNSTREAM CHECK DAM.
L = THE DISTANCE SUCH THAT POINTS A AND B ARE OF EQUAL ELEVATION.

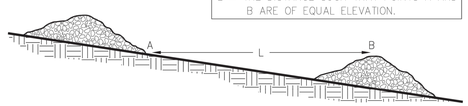


Figure 6-12.1

GEORGIA811 Utilities Protection Center, Inc.
Know what's below. Call before you dig.

NO	DESCRIPTION	BY	DATE
	ADDRESS RACETRAC PROJ. ISSUES, GDOT & COUNTY COMMENTS	RD	08-30-24

HARKLEROAD PROJECT 6416

Carter ◆ Harkleroad Group
94 E. CROCAN STREET, SUITE 100, LAWRENCEVILLE, GA 30046
DONALD W. HARKLEROAD & ASSOCIATES, INC.
(770) 982–1996
COA No. PEF000295, LSF000260 EXPIRATION: 6–30–2026

GSWCC LEVEL II CERT. NO 10875

GEORGIA REGISTERED PROFESSIONAL ENGINEER 27025 CHRISTOPHER A. CARTER

08–30–24

THESE PLANS ARE SUBJECT TO FEDERAL COPYRIGHT LAWS. ANY USE OF SAME WITHOUT THE EXPRESSED WRITTEN PERMISSION OF RACETRAC INC. IS PROHIBITED.

RACEWAY

RACETRAC, INC.
200 GALLERIA PARKWAY S.E., SUITE 900
SUITE 100 ATLANTA, GA.30339
(770) 431–7600

EROSION CONTROL DETAILS
RACEWAY EDO 1633
500 MERIWETHER ROAD
LAND LOT 185, 2ND DISTRICT
398TH GEORGIA MILITIA DISTRICT
BALDWIN COUNTY, GEORGIA

DATE	08/30/2024
SCALE	N.T.S.
DRAWN BY	RD
DRAWING NAME: 6416cp.dwg	
C2.5	1
SHEET NO.	REVISION

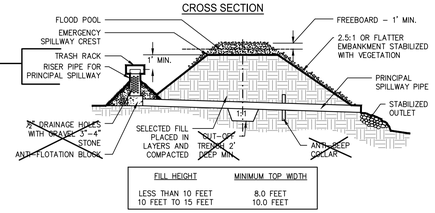
H:\6416\6416cp.dwg Sep 04, 2024 - 10:34am

Sd3
PHASE 1

BASIC COMPONENTS OF TEMPORARY SEDIMENT BASIN

PHASE 1: RISER IS REPLACED WITH THE SKIMMER (Sk).

CROSS SECTION



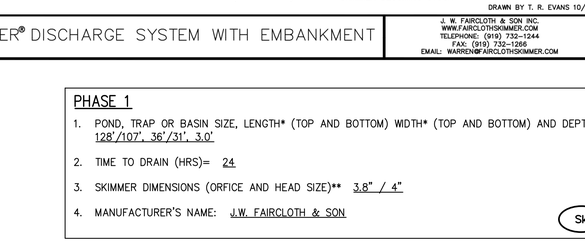
FILL HEIGHT	MINIMUM TOP WIDTH
LESS THAN 10 FEET	8.0 FEET
10 FEET TO 15 FEET	10.0 FEET

PLAN VIEW

NOTES:
1. THE EMERGENCY SPILLWAY SHALL BE INSTALLED IN UNDISTURBED GROUND.
2. THE EMERGENCY SPILLWAY MUST BE CONSTRUCTED WITHIN A TOLERANCE OF 0.2 FEET.

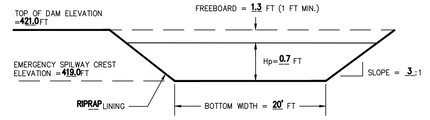
CROSS-SECTIONAL DETAIL

PHASE 1: RISER IS REPLACED WITH THE SKIMMER (Sk).

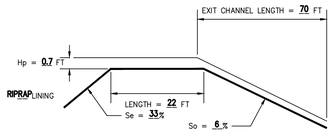


CROSS-SECTIONAL DETAIL OF EMERGENCY SPILLWAY

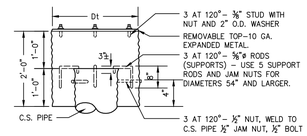
PROFILE ALONG CENTERLINE



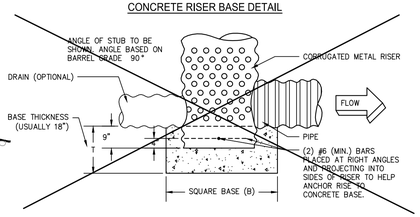
EMERGENCY SPILLWAY



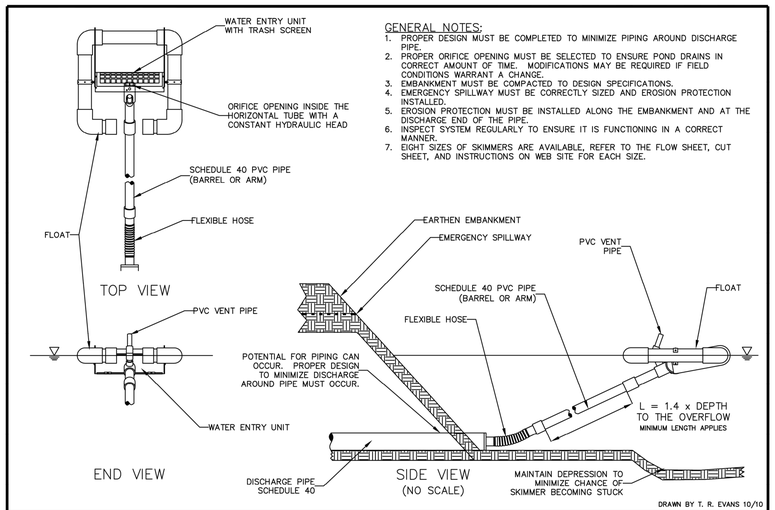
TYPICAL TRASH RACK



CONCRETE RISER BASE DETAIL



Sd3
PHASE 1



GENERAL NOTES:
1. PROPER DESIGN MUST BE COMPLETED TO MINIMIZE PIPING AROUND DISCHARGE PIPE.
2. PROPER ORIFICE OPENING MUST BE SELECTED TO ENSURE POND DRAINS IN CORRECT AMOUNT OF TIME. MODIFICATIONS MAY BE REQUIRED IF FIELD CONDITIONS WARRANT A CHANGE.
3. EMBANKMENT MUST BE COMPACTED TO DESIGN SPECIFICATIONS.
4. EMERGENCY SPILLWAY MUST BE CORRECTLY SIZED AND EROSION PROTECTION INSTALLED.
5. EROSION PROTECTION MUST BE INSTALLED ALONG THE EMBANKMENT AND AT THE DISCHARGE END OF THE PIPE.
6. INSPECT SYSTEM REGULARLY TO ENSURE IT IS FUNCTIONING IN A CORRECT MANNER.
7. EIGHT SIZES OF SKIMMERS ARE AVAILABLE, REFER TO THE FLOW SHEET, CUT SHEET, AND INSTRUCTIONS ON WEB SITE FOR EACH SIZE.

DRAWN BY T. R. EVANS 10/10

FAIRCLOTH SKIMMER® DISCHARGE SYSTEM WITH EMBANKMENT

J. W. FAIRCLOTH & SON INC.
WWW.FAIRCLOTHSKIMMER.COM
TELEPHONE: (919) 732–1244
FAX: (919) 732–1266
EMAIL: WARREN@FAIRCLOTHSKIMMER.COM

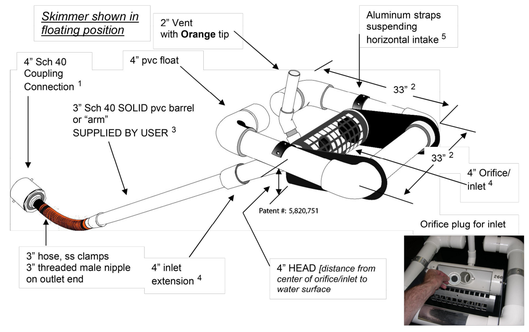
PHASE 1

1. POND, TRAP OR BASIN SIZE, LENGTH* (TOP AND BOTTOM) WIDTH* (TOP AND BOTTOM) AND DEPTH = 128'/107', 36'/31', 3.0'
2. TIME TO DRAIN (HRS)= 24
3. SKIMMER DIMENSIONS (ORFICE AND HEAD SIZE)** 3.8" / 4"
4. MANUFACTURER'S NAME: J.W. FAIRCLOTH & SON

Sk

4" *Faircloth Skimmer®* Surface Drain Cut Sheet

J. W. Faircloth & Son, Inc.
www.FairclothSkimmer.com



1. Coupling can be removed and hose attached to outlet using the threaded 3" nipple. Typical methods used: a) a metal structure with a steel stub out welded on the side at the bottom with a 3" threaded coupling or reducer(s); b) a concrete structure with a hole or orifice at the bottom - use a steel plate with a hole cut in it and coupling welded to it that will fit over the hole in the concrete and bolted to the structure with sealant; or c) it is possible to grout a 4" pvc pipe in a hole in the concrete to connect the skimmer but this is less secure than other methods.
2. Dimensions are approximate, not intended as plans for construction.
3. Barrel (solid, not foam core pipe) should be 1.4 times the depth of water with a minimum length of 8' so the inlet can be pulled to the side for maintenance. If more than 10' long, weight may have to be added to inlet to counter the increased buoyancy.
4. Orifice/inlet tapers down from 4" maximum inlet to a 3" barrel and hose. Barrel is smaller to reduce buoyancy and tendency to lift inlet but is sufficient for flow through inlet because of slope. The orifice/inlet can be reduced using the plug and cutter provided to control the outflow rate – see #6.
5. Horizontal intake is 8" pipe between the straps with slots cut in the inlet and aluminum screen door (smaller than shown in illustration) for access to the 4" inlet and orifice inside.
6. **Capacity:** 20,109 cubic feet per day maximum with 4" inlet and 4" head. Inlet can be reduced by installing a smaller orifice using the plug and cutter provided to adjust flow rate for the particular drawdown time required. Please use the sizing template at www.fairclothskimmer.com .
7. Ships assembled. User glues inlet extension and barrel, installs vent, cuts orifice in plug and attaches to outlet pipe or structure. Includes float, flexible hose, rope, orifice plug and cutter. Does NOT include 3" Sch 40 SOLID pvc barrel or "arm" SUPPLIED BY USER.

4inchCut 5-1-2019

© J. W. Faircloth & Son, Inc. 2019

GEORGIA811
Utilities Protection Center, Inc.
Know what's below. Call before you dig.

H:\6416\6416cp.dwg Aug 29, 2024 - 3:45pm

NO	REVISIONS	BY	DATE

Carter ◆ Harkleroad Group
94 E. CROGAN STREET, SUITE 100, LAWRENCEVILLE, GA 30046
(770) 982-1996
DONALD W. HARKLEROAD & ASSOCIATES, INC.
COA No. PEF000295, LSF000260 EXPIRATION: 6-30-2024

HARKLEROAD PROJECT 6416

GSWCC LEVEL II CERT. NO 10675

GEORGIA REGISTERED PROFESSIONAL ENGINEER CHRIS A. CARTER

08-30-24

THESE PLANS ARE SUBJECT TO FEDERAL COPYRIGHT LAWS. ANY USE OF SAME WITHOUT THE EXPRESSED WRITTEN PERMISSION OF RACETRAC INC. IS PROHIBITED.

RACEWAY
RACETRAC, INC.
200 GALLERIA PARKWAY S.E., SUITE 900
SUITE 100 ATLANTA, GA.30339
(770) 431-7600

EROSION CONTROL DETAILS

RACEWAY EDO 1633

500 MERIWETHER ROAD
LAND LOT 185, 2ND DISTRICT
38TH GEORGIA MILITIA DISTRICT
BALDWIN COUNTY, GEORGIA

DATE	08/30/2024
SCALE	N.T.S.
DRAWN BY	RD
DRAWING NAME: 6416cp.dwg	

C2.6

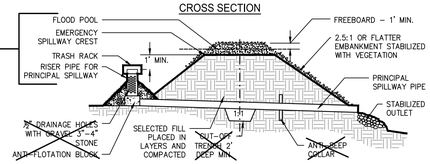
SHEET NO. | REVISION

Sd3
PHASE 2

BASIC COMPONENTS OF TEMPORARY SEDIMENT BASIN

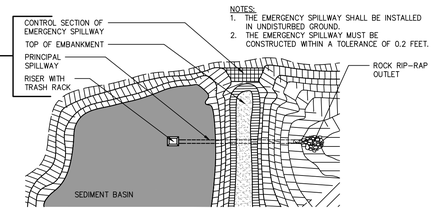
PHASE 2:
RISER AND SPILLWAY ARE REPLACED WITH THE SKIMMER (Sk) AND OUTLET CONTROL STRUCTURE.

CROSS SECTION



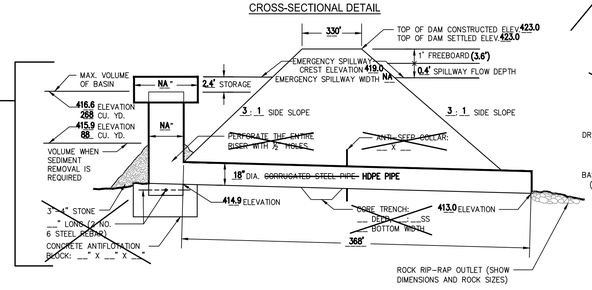
FILL HEIGHT	MINIMUM TOP WIDTH
LESS THAN 10 FEET	8.0 FEET
10 FEET TO 15 FEET	10.0 FEET

PLAN VIEW



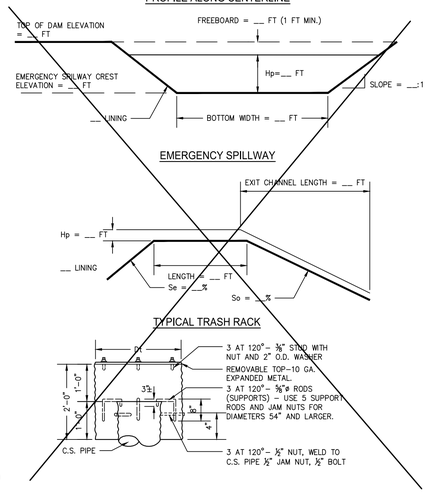
NOTES:
1. THE EMERGENCY SPILLWAY SHALL BE INSTALLED IN UNDISTURBED GROUND.
2. THE EMERGENCY SPILLWAY MUST BE CONSTRUCTED WITHIN A TOLERANCE OF 0.2 FEET.

CROSS-SECTIONAL DETAIL



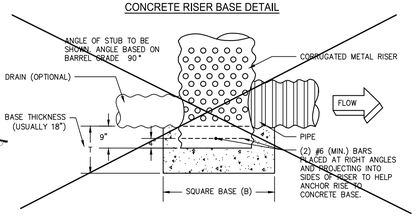
CROSS-SECTIONAL DETAIL OF EMERGENCY SPILLWAY

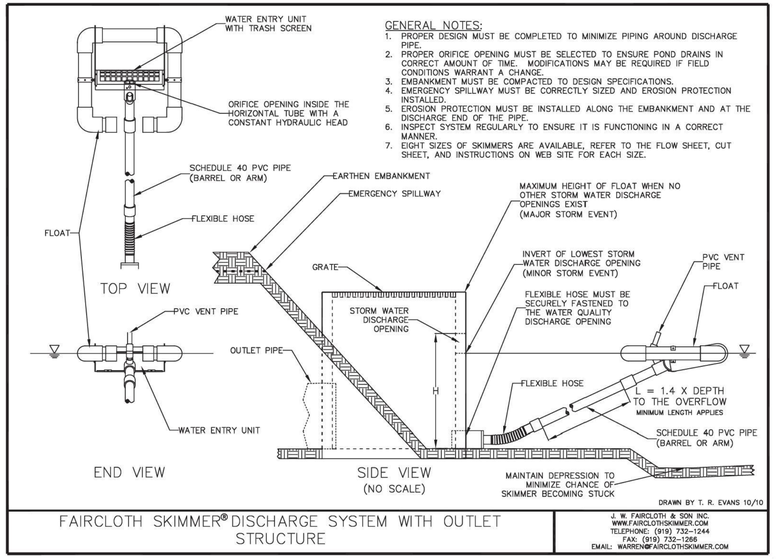
PROFILE ALONG CENTERLINE



TYPICAL TRASH RACK

CONCRETE RISER BASE DETAIL





GENERAL NOTES:
1. PROPER DESIGN MUST BE COMPLETED TO MINIMIZE PIPING AROUND DISCHARGE PIPE.
2. PROPER ORIFICE OPENING MUST BE SELECTED TO ENSURE POND DRAINS IN CORRECT AMOUNT OF TIME. MODIFICATIONS MAY BE REQUIRED IF FIELD CONDITIONS WARRANT A CHANGE.
3. EMBANKMENT MUST BE COMPACTED TO DESIGN SPECIFICATIONS.
4. EMERGENCY SPILLWAY MUST BE CORRECTLY SIZED AND EROSION PROTECTION INSTALLED.
5. EROSION PROTECTION MUST BE INSTALLED ALONG THE EMBANKMENT AND AT THE DISCHARGE END OF THE PIPE.
6. INSPECT SYSTEM REGULARLY TO ENSURE IT IS FUNCTIONING IN A CORRECT MANNER.
7. EIGHT SIZES OF SKIMMERS ARE AVAILABLE, REFER TO THE FLOW SHEET, CUT SHEET, AND INSTRUCTIONS ON WEB SITE FOR EACH SIZE.

DRAWN BY T. R. EVANS 10/10

FAIRCLOTH SKIMMER® DISCHARGE SYSTEM WITH OUTLET STRUCTURE

J. W. FAIRCLOTH & SON INC.
WWW.FAIRCLOTHSKIMMER.COM
TELEPHONE: (919) 732-1244
FAX: (919) 732-1266
EMAIL: WARREN@FAIRCLOTHSKIMMER.COM

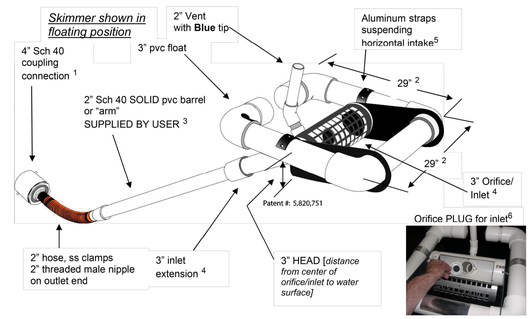
PHASE 2

1. POND, TRAP OR BASIN SIZE, LENGTH* (TOP AND BOTTOM) WIDTH* (TOP AND BOTTOM) AND DEPTH = 157'/150', 56'/46', 4.0'
2. TIME TO DRAIN (HRS)= 24
3. SKIMMER DIMENSIONS (ORFICE AND HEAD SIZE)** 2.6" / 3"
4. MANUFACTURER'S NAME: J.W. FAIRCLOTH & SON

Sk

3" *Faircloth Skimmer®* Cut Sheet

J. W. Faircloth & Son, Inc.
www.FairclothSkimmer.com



1. Coupling can be removed and hose attached to outlet using the threaded 2" nipple. Typical methods: a) a metal structure with a steel stub out welded on the side at the bottom with a 2" threaded coupling or reducer(s); b) a concrete structure with a hole or orifice at the bottom - use a steel plate with a hole cut in it and coupling welded to it that will fit over the hole in the concrete and bolted to the structure with sealant; or c) grout a 4" pvc pipe in a hole in the concrete to connect the skimmer. It can be attached to a straight 4" sch 40 pipe through the dam but the pipe needs to be anchored to the bottom at the connection so it is secure.
2. Dimensions are approximate, not intended as plans for construction.
3. Barrel (solid, not foam core pipe) should be 1.4 times the depth of water with a minimum length of 8' so the inlet can be pulled to the side for maintenance. If more than 10' long weight may have to be added to inlet to counter the increased buoyancy.
4. Orifice/inlet tapers down from a 3" maximum inlet to a 2" barrel and hose. Barrel is smaller to reduce buoyancy and tendency to lift inlet but is sufficient for flow through inlet because of slope. The orifice/inlet can be reduced using the plug and cutter provided to control the outflow rate – see #6.
5. Horizontal intake is 6" pipe between the straps with aluminum screen door for access to the 3" inlet and orifice inside.
6. **Capacity:** 9,774 cubic feet per day maximum with 3" inlet and 3" head. Inlet can be reduced by installing a smaller orifice using the plug and cutter provided to adjust flow rate for the particular drawdown time required. Please use the sizing template at www.fairclothskimmer.com .
7. Ships assembled. User glues inlet extension and barrel, installs vent, cuts orifice in plug and attaches to outlet pipe or structure. Includes float, flexible hose, rope, orifice plug & cutter. Does NOT include 2" Sch 40 SOLID pvc barrel or "arm" SUPPLIED BY USER.

3inchCut 5-1-2019

© J. W. Faircloth & Son, Inc. 2019

GEORGIA811
Utilities Protection Center, Inc.
Know what's below. Call before you dig.

H:\6416\6416cp.dwg Aug 29, 2024 - 3:45pm

NO	REVISIONS	BY	DATE

Carter ◆ Harkleroad Group
94 E. CROCAN STREET, SUITE 100, LAWRENCEVILLE, GA 30046
(770) 982-1996
DONALD W. HARKLEROAD & ASSOCIATES, INC.
COA No. PEF000295, LSF000260 EXPIRATION: 6-30-2024
GSWCC LEVEL II CERT. NO 10675

HARKLEROAD PROJECT 6416

GEORGIA REGISTERED 27076 PROFESSIONAL ENGINEER TRIS A. CARTER

08-30-24

THESE PLANS ARE SUBJECT TO FEDERAL COPYRIGHT LAWS. ANY USE OF SAME WITHOUT THE EXPRESSED WRITTEN PERMISSION OF RACETRAC INC. IS PROHIBITED.

RACEWAY
RACETRAC, INC.
200 GALLERIA PARKWAY S.E., SUITE 900
SUITE 100 ATLANTA, GA.30339
(770) 431-7600

EROSION CONTROL DETAILS

RACEWAY EDO 1633

500 MERIWETHER ROAD
LAND LOT 185, 2ND DISTRICT
318TH GEORGIA MILITIA DISTRICT
BALDWIN COUNTY, GEORGIA

DATE	08/30/2024
SCALE	N.T.S.
DRAWN BY	RD
DRAWING NAME: 6416cp.dwg	
C2.7	
SHEET NO.	REVISION

DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION)

Ds3

REQUIREMENT FOR REGULATORY COMPLIANCE

This practice shall be applied immediately to rough graded areas that will be undisturbed for longer than six months. This practice or sodding shall be applied immediately to all areas at final grade. **Final Stabilization** means that all soil disturbing activities at the site have been completed, and that 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 the GA 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.

Permanent vegetation shall consist of, planted trees, shrubs, perennial vines; or a crop of perennial vegetation appropriate for the region, such that within the growing season a 70% coverage by perennial vegetation shall be achieved. Final stabilization applies to each phase of construction. For linear construction projects on land used for agricultural or silvicultural purposes, final stabilization may be accomplished by stabilizing the disturbed land for its agricultural or silvicultural use. Until this standard is satisfied and permanent control measures and facilities are operational, interim stabilization measures and temporary erosion and sedimentation control measures shall not be removed.

CONDITIONS

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

CONSTRUCTION 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.

Concentrations 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.

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 seedling.

Plant Selection

Refer to Tables 6–4.1, 6–5.2, 6–5.3 and 6–5.4 for approved species. Species not listed shall be approved by the State Resource Conservationist of the Natural Resources Conservation Service before they are used.

Plants shall be selected on the basis of species characteristics, site and soil conditions, planned use and maintenance of the area; time of year of planting, method of planting; and the needs and desires of the land user.

Some perennial species are easily established and can be planted alone. Examples of these are Common Bermuda, Tall Fescue, and Weeping Lovegrass.

Other perennials, such as Bahia Grass and Sericea Lespedeza, are slow to become established and should be planted with another perennial species. The additional species will provide quick cover and ample soil protection until the target perennial species become established. For example, Common seeding combinations are 1) Weeping Lovegrass with Sericea Lespedeza (scarified) and 2) Tall Fescue with Sericea Lespedeza (unscarified).

Plant selection may also include annual companion crops. Annual companion crops should be used only when the perennial species are not planted during their optimum planting period. A common mixture is Brown Top Millet with Common Bermuda in mid–summer. Care should be taken in selecting companion crop species and seeding rates because annual crops will compete with perennial species for water, nutrients, and growing space. A high seeding rate of the companion crop may prevent the establishment of perennial species.

Ryegrass shall not be used in any seeding mixtures containing perennial species due to its ability to out–compete desired species chosen for permanent perennial cover.

Seed Quality

The term "pure live seed" is used to express the quality of seed and is not shown on the label. Pure live seed, PLS, is expressed as a percentage of the seeds that are pure and will germinate. Information on percent germination and purity can be found on seed tags. PLS is determined by multiplying the percent of pure seed with the percent of germination; i.e.,

(PLS = % germination x % purity)

EXAMPLE:

Common Bermuda seed
70% germination, 80% purity

PLS = 70% germination x 80% purity

PLS = 56%

The percent of PLS helps you determine the amount of seed you need. If the seeding rate is 10 pounds PLS and the bulk seed is 56 % PLS, the bulk seeding rate is:

10 lbs. PLS/acre = 17.9 lbs/acre
56% PLS

You would need to plant 17.9 lbs/acre to provide 10 lbs/acre of pure live seed.

Seedbed Preparation

Seedbed preparation may not be required where hydraulic seeding and fertilizing equipment is to be used (but is strongly recommended for any seeding process, when possible). 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.

Innoculants

All legume seed shall be inoculated with appropriate nitrogen – fixing bacteria. The innoculant shall be a pure culture prepared specifically for the seed species and used within the dates on the container.

A mixing medium recommended by the manufacturer shall be used to bond the innoculant to the seed. For conventional seeding, use twice the amount of innoculant recommended by the manufacturer. For hydraulic seeding, four times the amount of innoculant recommended by the manufacturer shall be used.

All inoculated seed shall be protected from the sun and high temperatures and shall be planted the same day inoculated. No inoculated seed shall remain in the hydroseeder longer than one hour.

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 cultі – packer – 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% to 100% 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. Dry straw 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, 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. 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.
2. Synthetic tackifiers, binders or hydraulic mulch specifically designed to tack straw, 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. All tackifiers, binders or hydraulic mulch specifically designed to tack straw should be verified nontoxic through EPA 2021.0 testing. Refer to **Tackifiers–Tac**
3. 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.
4. 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.

Bedding Material

Mulch is used as a bedding material to conserve moisture and control weeds in nurseries, ornamental beds, around shrubs, and on bare areas on lawns.

Material	Depth
Grain straw	4" to 6"
Grass Hay	4" to 6"
Pine needles	3" to 5"
Wood waste	4" to 6"

Irrigation

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

Topdressing

Topdressing will be applied on all temporary and permanent (perennial) species planted alone or in mixtures with other species. Recommended rates of application are listed in Table 6–5.1.

Second Year and Maintenance Fertilization

Second year fertilizer rates and maintenance fertilizer rates are listed in Table 6–5.1.

Lime Maintenance Application

Apply one ton of agricultural lime every 4 to 6 years or as indicated by soil tests. Soil tests can be conducted to determine more accurate requirements. If desired.

Use and Management

Mow Sericea Lespedeza only after frost to ensure that the seeds are mature. Mow between November and March.

Bermudagrass, Bahiagrass and Tall Fescue may be mowed as desired. Maintain at least 6 inches of top growth under any use and management. Moderate use of top growth is beneficial after establishment.

Exclude traffic until the plants are well established. Because of the quail nesting season, mowing should not take place between May and September.

TABLE 6-5.1 Fertilizer Requirements

TYPE OF SPECIES	YEAR	ANALYSIS OR EQUIVALENT N-P-K	RATE	N TOP DRESSING RATE
1. Cool season grasses.	First Second Maintenance	6-12-12 6-12-12 10-10-10	1500 lbs./ac. 1000 lbs./ac. 400 lbs./ac.	50-100 lbs./ac. 1/2 --- 30
2. Cool season grasses and legumes.	First Second Maintenance	6-12-12 0-10-10 0-10-10	1500 lbs./ac. 1000 lbs./ac. 400 lbs./ac.	0-50 lbs./ac. 1/ --- ---
3. Ground covers.	First Second Maintenance	10-10-10 10-10-10 10-10-10	1300 lbs./ac. 1300 lbs./ac. 1100 lbs./ac.	--- --- ---
4. Pine seedlings.	First	20-10-5	one 21-gram pellet per seedling placed in the closing hole	---
5. Shrub Lespedeza.	First Maintenance	0-10-10 0-10-10	700 lbs./ac. 700 lbs./ac. 4/	--- ---
6. Temporary cover crops seeded alone.	First	10-10-10	500 lbs./ac.	30 lbs./ac. 5/
7. Warm season grasses.	First Second Maintenance	6-12-12 6-12-12 10-10-10	1500 lbs./ac. 800 lbs./ac. 400 lbs./ac.	50-100 lbs./ac. 2/6/ 50-100 lbs./ac. 2/ 30 lbs./ac.
8. Warm season grasses and legumes.	First Second Maintenance	6-12-12 0-10-10 0-10-10	1500 lbs./ac. 1000 lbs./ac. 400 lbs./ac.	50 lbs./ac. /6/ 50-100 lbs./ac. 2/ 30 lbs./ac.

1/ Apply in spring following seeding.
2/ Apply in split applications when high rates are used.
3/ Apply in 3 split applications.
4/ Apply when plants are pruned.
5/ Apply to grass species only.
6/ Apply when plants grow to a height of 2 to 4 inches.

Table 6-5.2 - Permanent Cover Crops
PLANT, PLANTING RATE, AND PLANTING DATE FOR PERMANENT COVER [1]

Species	Broadcast Rates: Rate Per Acre [2]	Broadcast Rates: Pure Live Seed (PLS) Per 1000 sq. ft.	Resource Area #	Planting Dates by Resource Area (Solid lines indicate optimum dates, dotted lines indicate permissible but marginal dates.) J F M A M J J A S O N D	Remarks
BAHIA, PENSACOLA *Paspalum notatum*					
alone or with temporary cover	60 lbs	1.4 lbs	P		166,000 seed per pound. Low growing. Sod forming. Slow to establish. Plant with a companion crop. Will spread into bermuda pastures and lawns. Mix with Sericea lespedeza or weeping lovegrass.
with other perennials	30 lbs	0.7 lb	C		
BAHIA, WILMINGTON *Paspalum notatum*					
alone or with temporary cover	60 lbs	1.4 lbs	M-L		166,000 seed per pound. Low growing. Sod forming. Slow to establish. Plant with a companion crop. Will spread into bermuda pastures and lawns. Mix with Sericea lespedeza or weeping lovegrass.
with other perennials	30 lbs	0.7 lb	P		
BERMUDA, COMMON *Cynodon dactylon*					
Hulled seed			P		1,787,000 seed per pound. Quick cover. Low growing and sod forming. Full sun. Good for athletic fields.
alone	10 lbs	0.2 lb	C		
with other perennials	6 lbs	0.1 lb			
BERMUDA, COMMON *Cynodon dactylon*					
Unhulled seed					
with temporary cover	10 lbs	0.2 lb	P		Plant with winter annuals.
with other perennials	6 lbs	0.1 lb	C		Plant with Tall Fescue.
BERMUDA SPRIGS *Cynodon dactylon*					
Coastal, Common, Midland, or Tift 44	40 cu ft or sod plugs 3' x 3'	0.9 cu ft	M-L		A cubic foot contains approximately 650 sprigs. A bushel contains 125 cubic feet or approximately 800 sprigs.
Coastal, Common, of Tift 44			P C		
Tift 78			C		Same as above. Southern Coastal Plain only.
CENTIPEDE *Eremochloa ophiuroides*					
	Block sod only		P C		Drought tolerant. Full sun or partial shade. Effective adjacent to concrete and in concentrated flow areas. Irrigation is needed until fully established. Do not plant near pastures. Winterhardy as far as north Athens and Atlanta.
CROWNVETECH *Coronilla varia*					
with winter annuals or cool season grasses	15 lbs	0.3 lb	M-L P		100,000 seed per pound. Dense growth Drought tolerant and fire resistant. Attractive rose, pink and white blossoms spring to late fall. Mix with 30 pounds of Tall fescue or 15 pounds of rye. Inoculate seed with M inoculant. Use from North atlanta and Northward.
FESCUE, TALL *Festuca arundinacea*					
alone	50 lbs	1.1 lb	M-L		227,000 seed per pound. Use alone only on better sites. Mix with perennial lespedeza or Crownvetch. Apply topdressing in spring following fall plantings. Not for heavy use areas or athletic fields.
with other perennials	30 lbs	0.7 lb	P		
KUDZU *Pueraria thumbergiana*					
Plants or crowns	3' - 7' apart		ALL		Rapid and vigorous growth. Excellent in gully erosion control. Will climb. Good livestock forage.
LESPEDEZA SERICEA *Lespedeza cuneata*					
scarified	60 lbs	1.4 lb	M-L P C		350,000 seed per pound. Widely adapted. Low maintenance. Mix with Weeping lovegrass, Common bermuda, bahia, or tall fescue. Takes 2 to 3 years to become fully established. Excellent on roadbanks. Inoculate seed with EL inoculant.
unscarified	75 lbs	1.7 lb	M-L P C		Mix with Tall fescue or winter annuals.
seed-bearing hay	3 tons	1338 lbs	M-L P C		Cut when seed mixture is mature, but before, it shatters. Add Tall fescue or winter annuals.
LESPEDEZA *Ambro virgata* *Lespedeza virgata DC* *or* *Appalow* *Lespedeza cuneata* *(Dumont) G. Don)*					
scarified	60 lbs	1.4 lb	M-L P C		300,000 seed per pound. Height of growth is 18 to 24 inches. Advantageous in urban areas. Spreading-type growth. New growth has bronze coloration. Mix with weeping lovegrass, common bermuda, bahia, tall fescue or winter annuals. Do not mix with Sericea lespedeza. Slow to develop solid stands. Inoculate seed with EL inoculant.
unscarified	75 lbs	1.7 lb	M-L P C		
LESPEDEZA, SHRUB *Lespedeza bicolor* *Lespedeza thunbergii*					
plants	3' x 3'		M-L P C		Provide wildlife food and cover.
LOVEGRASS, WEEPING *Eragrostis curvula*					
alone	4 lbs	0.1 lb	M-L P C		1,500,000 seed per pound. Quick cover. Drought tolerant. Grows well with Sericea lespedeza on roadbanks.
with other perennials	2 lbs	0.05 lb			
MAIDENCANE *Panicum hemitomon*					
sprigs	2' x 3' spacing	ALL			For very wet sites. May clog channels. Dig sprigs from local sources. Use along river banks and shorelines.
PANICGRASS, ATLANTIC COASTAL *Panicum amarum var amarulum*					
	20 lbs	0.05 lb	P C		Grows well on coastal sand dunes, borrow areas, and gravel pits. Provides winter cover for wildlife. Mix with Sericea lespedeza except for on sand dunes.
REED CANARY GRASS *Phalaris arundinacea*					
alone	50 lbs	1.1 lb	M-L		Grows similar to Tall fescue.
with other perennials	30 lbs	0.7 lb	P		
SUNFLOWER, "AZTEC" MAXIMILLIAN *Helianthus maximiliani*					
	10 lbs	0.2 lb	M-L P C		227,000 seed per pound. Mix with Weeping lovegrass or other low-growing grasses or legumes.

[1] Reduce seeding rates by 50% when drilled.
[2] PLS is an abbreviation for Pure Live Seed. Refer to Section V.E. of these specifications.
[3] M-L represents to Mountain; Blue Ridge; and Ridges and Valleys MLRAs.
P represents the Southern Piedmont MLRA.
C represents Southern Coastal Plain; Sand Hills; Black Lands; and Atlantic Coast Flatwoods MLRAs.

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

SWCD:_____

Project Name: RACEWAY, INC. Address: 500 MERIWEATHER ROAD
City/County: BALDWIN COUNTY, GA Date on Plans: 08/30/2024
Name & email of person filling out checklist:_____

Plan Page #	Included Y/N	TO BE SHOWN ON ES&PC PLAN
C2.6	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)
C2.0	Y	2 Level III 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)
N/A	N	3 Limits of disturbance shall be no greater than 50 acres at any one time without prior written authorization from the GAEPD District Office. If GAEPD approves the request to disturb 50 acres or more at any one time, the Plan must include at least 4 of the BMPs listed in Appendix 1 of this checklist and the GAEPD approval letter. * (A copy of the written approval by GAEPD must be attached to the plan for the Plan to be reviewed.)
C2.0	Y	4 The name and phone number of the 24-hour contact responsible for erosion, sedimentation and pollution controls.
C2.0	Y	5 Provide the name, address, email address, and phone number of primary permittee.
C2.0	Y	6 Note total and disturbed acreages of the project or phase under construction.
C2.0	Y	7 Provide the GPS location of the construction exit for the site. Give the Latitude and Longitude in decimal degrees.
C2.0	Y	8 Initial date of the Plan and the dates of any revisions made to the Plan including the entity who requested the revisions.
C2.0	Y	9 Description of the nature of construction activity and existing site conditions.
C2.0	Y	10 Provide vicinity map showing site's relation to surrounding areas. Include designation of specific phase, if necessary.
C2.0	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.
C2.0	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 19** of the permit.
N/A	N	13 Design professional's certification statement and signature that the permittee's ES&PC Plan provides for an appropriate and comprehensive system of BMPs and sampling to meet permit requirements as stated on **Part IV page 19** of the permit. *
C2.0	Y	14 Clearly note the statement that "The design professional who prepared the ES&PC Plan is to inspect the installation of the initial sediment storage requirements and perimeter control BMPs within 7 days after installation." in accordance with **Part IV.A.5 page 25** of the permit. *
C2.0	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."
N/A	N	16 Provide a description of any buffer encroachments and indicate whether a buffer variance is required.
C2.0	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." *
C2.0	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." *
C2.0	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."
C2.0	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."
C2.0	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."
C2.0	Y	22 Any construction activity which discharges storm water into an Impaired Stream Segment, or within 1 linear mile upstream of and within the same watershed as, any portion of a Biota Impaired Stream Segment must comply with Part III, C of the permit. Include the completed Appendix 1 listing all the BMPs that will be used for those areas of the site which discharge to the Impaired Stream Segment. *
C2.0	Y	23 If a TMDL Implementation Plan for sediment has been finalized for the Impaired Stream Segment (identified in Item 22 above) at least six months prior to submittal of NOI, the ES&PC Plan must address any site-specific conditions or requirements included in the TMDL Implementation Plan. *
C2.0	Y	24 BMPs for concrete washdown of tools, concrete mixer chutes, hoppers and the rear of the vehicles. Washout of the drum at the construction site is prohibited. *
C2.0	Y	25 Provide BMPs for the remediation of all petroleum spills and leaks.
C2.0	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. *
C2.0	Y	27 Description of practices to provide cover for building materials and building products on site. *
C2.0	Y	28 Description of the practices that will be used to reduce the pollutants in storm water discharges. *
C2.0	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, temporary and final stabilization).
C2.0	Y	30 Provide complete requirements of Inspections and record keeping by the primary permittee. *
C2.0	Y	31 Provide complete requirements of Sampling Frequency and Reporting of sampling results. *
C2.0	Y	32 Provide complete details for Retention of Records as per Part IV.F. of the permit. *
C2.0	Y	33 Description of analytical methods to be used to collect and analyze the samples from each location. *
HYDRO	Y	34 Appendix B rationale for NTU values at all outfall sampling points where applicable. *
HYDRO	Y	35 Delineate all sampling locations, perennial and intermittent streams and other water bodies into which storm water is discharged. *
C2.0	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 perimeter control BMPs, intermediate grading and drainage BMPs, and final BMPs are the same, the Plan may combine all of the BMPs into a single phase. *
C2.1–3	Y	37 Graphic scale and North arrow.
C2.1–3	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

C2.0	N	39 Use of alternative BMPs whose performance has been documented to be equivalent to or superior to conventional BMPs as certified by a Design Professional (unless disapproved by GAEPD or the Georgia Soil and Water Conservation Commission). Please refer to the Alternative BMP Guidance Document found at www.pswcc.georgia.gov.
C2.0	N	40 Use of alternative BMP for application to the Equivalent BMP List. Please refer to Appendix A-2 of the Manual for Erosion & Sediment Control in Georgia 2016 Edition. *
C2.1	N/A	41 Delineation of the applicable 25-foot or 50-foot undisturbed buffers adjacent to state waters and any additional buffers required by the Local Issuing Authority. Clearly note and delineate all areas of impact.
C2.1	N	42 Delineation of on-site wetlands and all state waters located on and within 200 feet of the project site.
C2.1 & 6	Y	43 Delineation and acreage of contributing drainage basins on the project site.
HYDRO	Y	44 Provide hydrology study and maps of drainage basins for both the pre- and post-developed conditions. *
C2.0	Y	45 An estimate of the runoff coefficient or peak discharge flow of the site prior to and after construction activities are completed.
C2.4	Y	46 Storm-drain pipe and weir velocities with appropriate outlet protection to accommodate discharges without erosion. Identify/Delineate all storm water discharge points.
C2.0–1	Y	47 Soil series for the project site and their delineation.
C2.1	Y	48 The limits of disturbance for each phase of construction.
C2.1	Y	49 Provide a minimum of 67 cubic yards of sediment storage per acre drained using a temporary sediment basin, retrofitted detention pond, and/or excavated inlet sediment traps for each common drainage location. Sediment storage volume must be in place prior to and during all land disturbance activities until final stabilization of the site has been achieved. A written justification explaining the decision to use equivalent controls when a sediment basin is not attainable must be included in the Plan for each common drainage location in which a sediment basin is not provided. A written justification as to why 67 cubic yards of storage is not attainable must also be given. Worksheets from the Manual included for structural BMPs and all calculations used by the storage design professional to obtain the required sediment when using equivalent controls. When discharging from sediment basins and impoundments, perm'tees 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.
C2.1–3	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.
C5.4–6	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.
C5.4–6	Y	52 Provide vegetative plan, noting all temporary and permanent vegetative practices. Include species, planting dates and seeding, fertilizer, lime and mulching rates. Vegetative plan shall be site specific for appropriate time of the year that seeding will take place and for the appropriate geographic region of Georgia.

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

Effective January 1, 2024

GEORGIA811 Utilities Protection Center, Inc.
Know what's below. Call before you dig.

HARKLEROAD PROJECT 6416
Carter ◆ Harkleroad Group
94 E. CROCAN STREET, SUITE 100, LAWRENCEVILLE, GA 30046
(770) 982-1996
DONALD W. HARKLEROAD & ASSOCIATES, INC.
COA No. PEF000295, LSF000260 EXPIRATION: 6-30-2026
GSWCC LEVEL II CERT. NO 10875
GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 27027 MELISSA A. CARTER
08-30-24

THESE PLANS ARE SUBJECT TO FEDERAL COPYRIGHT LAWS. ANY USE OF SAME WITHOUT THE EXPRESSED WRITTEN PERMISSION OF RACETRAC INC. IS PROHIBITED.

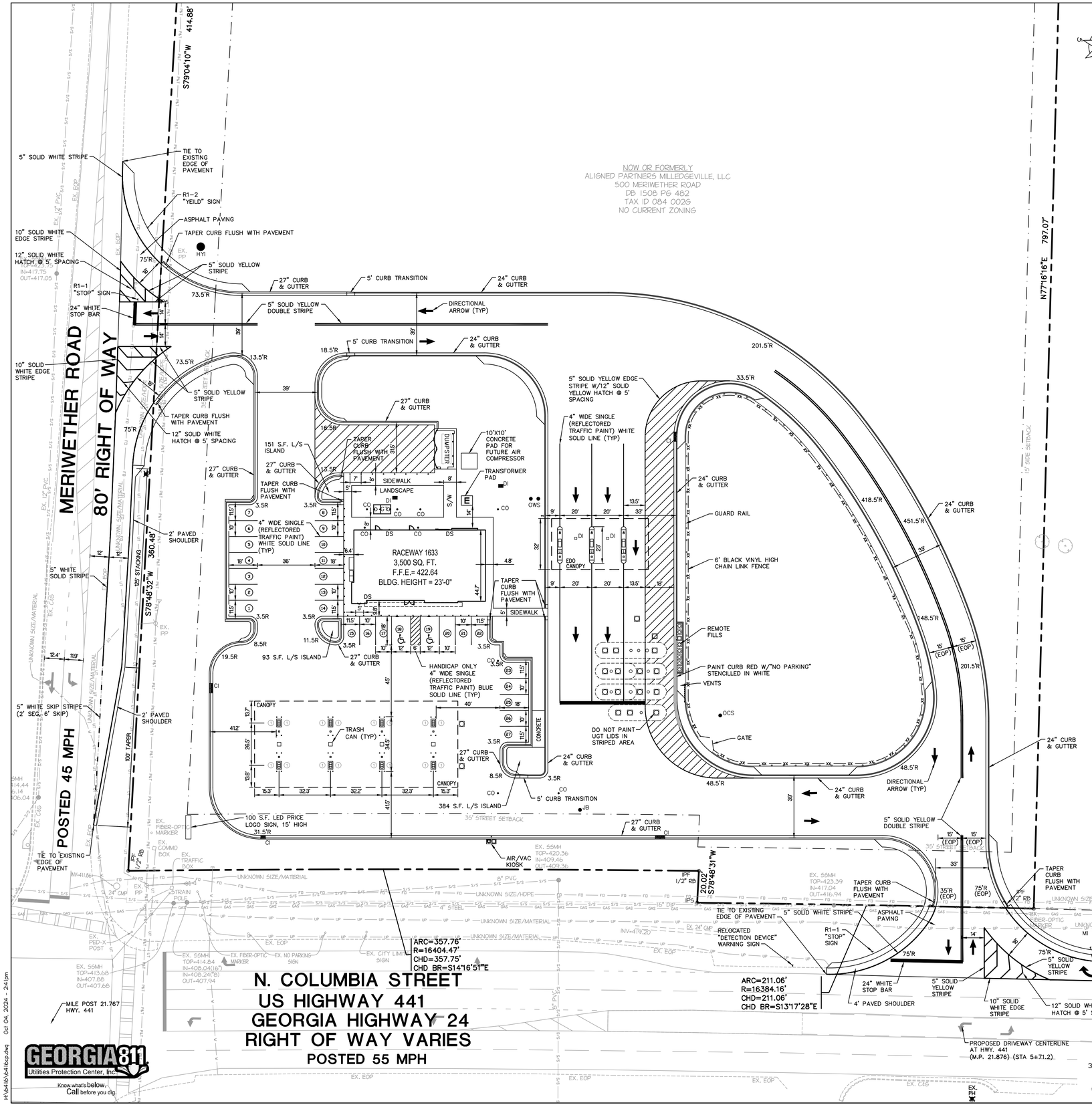
RACEWAY
RACETRAC, INC.
200 GALLERIA PARKWAY S.E., SUITE 900
SUITE 100 ATLANTA, GA.30339
(770) 431-7600

EROSION CONTROL DETAILS
RACEWAY EDO 1633
500 MERIWETHER ROAD
LAND LOT 185, 2ND DISTRICT
38TH GEORGIA MILITIA DISTRICT
BALDWIN COUNTY, GEORGIA

DATE	08/30/2024
SCALE	N.T.S.
DRAWN BY	RD
DRAWING NAME: 6416cp.dwg	
C2.8	
SHEET NO.	REVISION

NO	REVISIONS	BY	DATE

H:\6416\6416cp.dwg Sep 04, 2024 - 10:33am

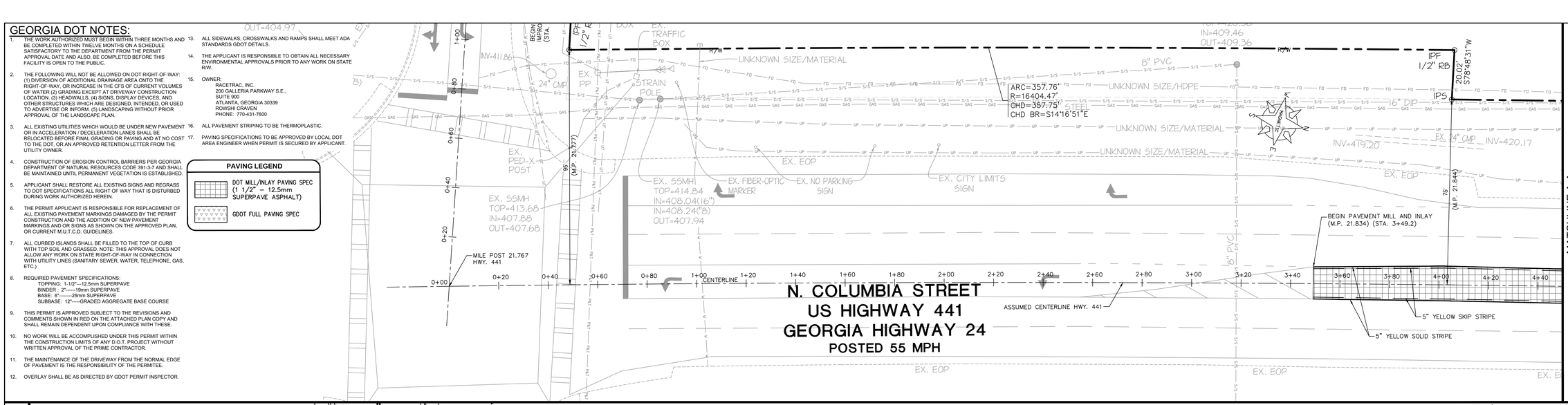

MERIWETHER ROAD
80' RIGHT OF WAY
S79°04'10"W 414.88'
N77°16'16"E 797.07'
S78°48'32"W 360.48'
NOW OR FORMERLY
ALIGNED PARTNERS MILLEDGEVILLE, LLC
500 MERIWETHER ROAD
DB 1508 PG 482
TAX ID 084 002G
NO CURRENT ZONING
NOW OR FORMERLY
FELLOWSHIP MILLEDGEVILLE IL, LLC
2902 N. COLUMBIA STREET
DB 1519 PG 587
TAX ID 084 002F
NO CURRENT ZONING
RACEWAY 1633
3,500 SQ. FT.
F.F.E.= 422.64
BLDG. HEIGHT = 23'-0"
EDO CANOPY
5" SOLID WHITE STRIPE
TIE TO EXISTING EDGE OF PAVEMENT
R1-2 "YEILD" SIGN
ASPHALT PAVING
TAPER CURB FLUSH WITH PAVEMENT
10" SOLID WHITE EDGE STRIPE
12" SOLID WHITE HATCH @ 5' SPACING
5" SOLID YELLOW STRIPE
R1-1 "STOP" SIGN
24" WHITE STOP BAR
5" SOLID YELLOW DOUBLE STRIPE
5' CURB TRANSITION
24" CURB & GUTTER
27" CURB & GUTTER
DIRECTIONAL ARROW (TYP)
151 S.F. L/S ISLAND
93 S.F. L/S ISLAND
384 S.F. L/S ISLAND
DAYLIGHT
10'X10' CONCRETE PAD FOR FUTURE AIR COMPRESSOR
TRANSFORMER PAD
SIDEWALK
LANDSCAPE
4" WIDE SINGLE (REFLECTORED TRAFFIC PAINT) WHITE SOLID LINE (TYP)
2' PAVED SHOULDER
5" WHITE SOLID STRIPE
5" WHITE SKIP STRIPE (2' SEG, 6' SKIP)
100' TAPER
HANDICAP ONLY 4" WIDE SINGLE (REFLECTORED TRAFFIC PAINT) BLUE SOLID LINE (TYP)
TRASH CAN (TYP.)
CANOPY
CONCRETE
100 S.F. LED PRICE LOGO SIGN, 15' HIGH
AIR/VAC KIOSK
35' STREET SETBACK
5" SOLID YELLOW EDGE STRIPE W/12" SOLID YELLOW HATCH @ 5' SPACING
4" WIDE SINGLE (REFLECTORED TRAFFIC PAINT) WHITE SOLID LINE (TYP)
GUARD RAIL
6' BLACK VINYL HIGH CHAIN LINK FENCE
REMOTE FILLS
PAINT CURB RED W/"NO PARKING" STENCILLED IN WHITE
VENTS
OCS
GATE
DO NOT PAINT UGT LIDS IN STRIPED AREA
DIRECTIONAL ARROW (TYP)
TAPER CURB FLUSH WITH PAVEMENT
RELOCATED "DETECTION DEVICE" WARNING SIGN
ASPHALT PAVING
24" WHITE STOP BAR
4' PAVED SHOULDER
5" SOLID YELLOW STRIPE
10" SOLID WHITE EDGE STRIPE
12" SOLID WHITE HATCH @ 5' SPACING
RELOCATED TRAFFIC LIGHT SIGN
RELOCATED SOLAR SPEED DETECTION KIOSK
PROPOSED DRIVEWAY CENTERLINE AT HWY. 441 (M.P. 21.876) (STA 5+71.2)
ARC=357.76'
R=16404.47'
CHD=357.75'
CHD BR=S14°16'51"E
ARC=211.06'
R=16384.16'
CHD=211.06'
CHD BR=S13°17'28"E
N. COLUMBIA STREET
US HIGHWAY 441
GEORGIA HIGHWAY 24
RIGHT OF WAY VARIES
POSTED 55 MPH
POSTED 45 MPH
MILE POST 21.767
HWY. 441
EX. 55MH TOP=433.51 IN=425.16 OUT=425.06
EX. 55MH TOP=423.30 IN=417.04 OUT=416.94
EX. 55MH TOP=414.64 IN=408.24(16") IN=408.24(12") OUT=407.94
EX. 55MH TOP=413.68 IN=407.88 OUT=407.68
EX. 55MH TOP=420.36 IN=409.46 OUT=409.36
8" PVC
24" CMP
INV=419.20
EX. 16" DIP
EX. 4" STEEL
EX. 12" DIP
EX. 6" DIP
UNKNOWN SIZE/MATERIAL
UNKNOWN SIZE/HDPE
EX. EOP
EX. CLG
EX. FH
EX. PP
EX. TRAFFIC BOX
EX. COMMO BOX
EX. FIBER-OPTIC MARKER
EX. PED-X POST
EX. STRAIN POLE
EX. CITY LIMIT SIGN
EX. NO PARKING SIGN
EX. FIBER-OPTIC MARKER
IPF 1/2" RB
IPS
MI
CO
DI
DS
OWS
JB
CI
OCS
VAULT
SITE SIDEWALK
SITE SIDEWALK
SITE SIDEWALK

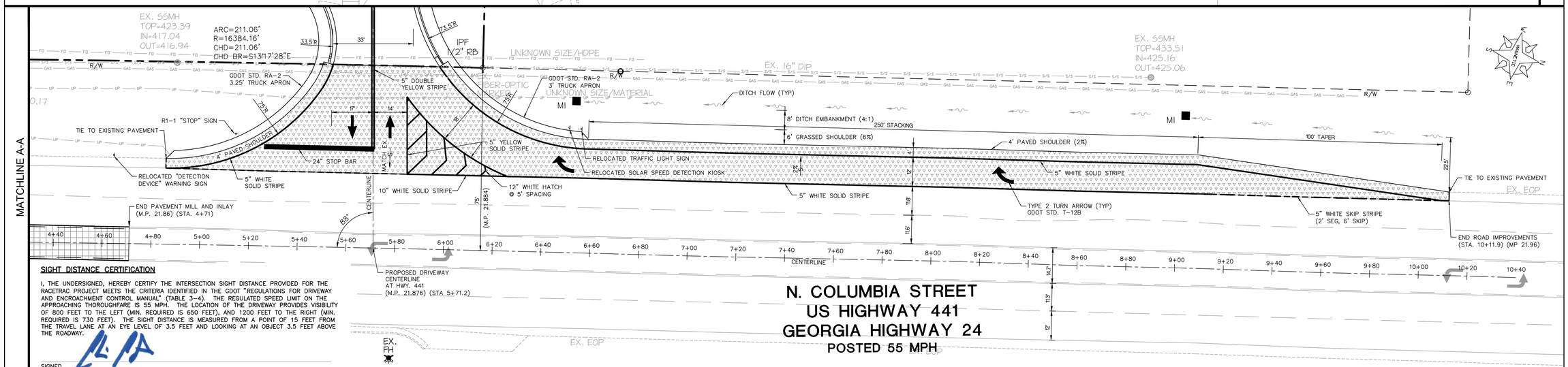
GEORGIA DOT NOTES:

1. THE WORK AUTHORIZED MUST BEGIN WITHIN THREE MONTHS AND BE COMPLETED WITHIN TWELVE MONTHS ON A SCHEDULE SATISFACTORY TO THE DEPARTMENT FROM THE PERMIT APPROVAL DATE AND ALSO, BE COMPLETED BEFORE THIS FACILITY IS OPEN TO THE PUBLIC.
2. THE FOLLOWING WILL NOT BE ALLOWED ON DOT RIGHT-OF-WAY: (1) DIVERSION OF ADDITIONAL DRAINAGE AREA ONTO THE RIGHT-OF-WAY, OR INCREASE IN THE CFS OF CURRENT VOLUMES OF WATER (2) GRADING EXCEPT AT DRIVEWAY CONSTRUCTION LOCATION. (3) HEADWALLS. (4) SIGNS, DISPLAY DEVICES, AND OTHER STRUCTURES WHICH ARE DESIGNED, INTENDED, OR USED TO ADVERTISE OR INFORM. (5) LANDSCAPING WITHOUT PRIOR APPROVAL OF THE LANDSCAPE PLAN.
3. ALL EXISTING UTILITIES WHICH WOULD BE UNDER NEW PAVEMENT OR IN ACCELERATION / DECELERATION LANES SHALL BE RELOCATED BEFORE FINAL GRADING OR PAVING AND AT NO COST TO THE DOT, OR AN APPROVED RETENTION LETTER FROM THE UTILITY OWNER.
4. CONSTRUCTION OF EROSION CONTROL BARRIERS PER GEORGIA DEPARTMENT OF NATURAL RESOURCES CODE 391-3-7 AND SHALL BE MAINTAINED UNTIL PERMANENT VEGETATION IS ESTABLISHED.
5. APPLICANT SHALL RESTORE ALL EXISTING SIGNS AND REGRASS TO DOT SPECIFICATIONS ALL RIGHT OF WAY THAT IS DISTURBED DURING WORK AUTHORIZED HEREIN.
6. THE PERMIT APPLICANT IS RESPONSIBLE FOR REPLACEMENT OF ALL EXISTING PAVEMENT MARKINGS DAMAGED BY THE PERMIT CONSTRUCTION AND THE ADDITION OF NEW PAVEMENT MARKINGS AND OR SIGNS AS SHOWN ON THE APPROVED PLAN, OR CURRENT M.U.T.C.D. GUIDELINES.
7. ALL CURBED ISLANDS SHALL BE FILLED TO THE TOP OF CURB WITH TOP SOIL AND GRASSED. NOTE: THIS APPROVAL DOES NOT ALLOW ANY WORK ON STATE RIGHT-OF-WAY IN CONNECTION WITH UTILITY LINES (SANITARY SEWER, WATER, TELEPHONE, GAS, ETC.)
8. REQUIRED PAVEMENT SPECIFICATIONS:
   TOPPING: 1-1/2"---12.5mm SUPERPAVE
   BINDER: 2"------19mm SUPERPAVE
   BASE: 6"-------25mm SUPERPAVE
   SUBBASE: 12"----GRADED AGGREGATE BASE COURSE
9. THIS PERMIT IS APPROVED SUBJECT TO THE REVISIONS AND COMMENTS SHOWN IN RED ON THE ATTACHED PLAN COPY AND SHALL REMAIN DEPENDENT UPON COMPLIANCE WITH THESE.
10. NO WORK WILL BE ACCOMPLISHED UNDER THIS PERMIT WITHIN THE CONSTRUCTION LIMITS OF ANY D.O.T. PROJECT WITHOUT WRITTEN APPROVAL OF THE PRIME CONTRACTOR.
11. THE MAINTENANCE OF THE DRIVEWAY FROM THE NORMAL EDGE OF PAVEMENT IS THE RESPONSIBILITY OF THE PERMITEE.
12. OVERLAY SHALL BE AS DIRECTED BY GDOT PERMIT INSPECTOR.
13. ALL SIDEWALKS, CROSSWALKS AND RAMPS SHALL MEET ADA STANDARDS GDOT DETAILS.
14. THE APPLICANT IS RESPONSIBLE TO OBTAIN ALL NECESSARY ENVIRONMENTAL APPROVALS PRIOR TO ANY WORK ON STATE R/W.
15. OWNER:
    RACETRAC, INC.
    200 GALLERIA PARKWAY S.E.,
    SUITE 900
    ATLANTA, GEORGIA 30339
    ROWSHI CRAVEN
    PHONE: 770-431-7600
16. ALL PAVEMENT STRIPING TO BE THERMOPLASTIC.
17. PAVING SPECIFICATIONS TO BE APPROVED BY LOCAL DOT AREA ENGINEER WHEN PERMIT IS SECURED BY APPLICANT.

PAVING LEGEND

- DOT MILL/INLAY PAVING SPEC (1 1/2" – 12.5mm SUPERPAVE ASPHALT)
- GDOT FULL PAVING SPEC

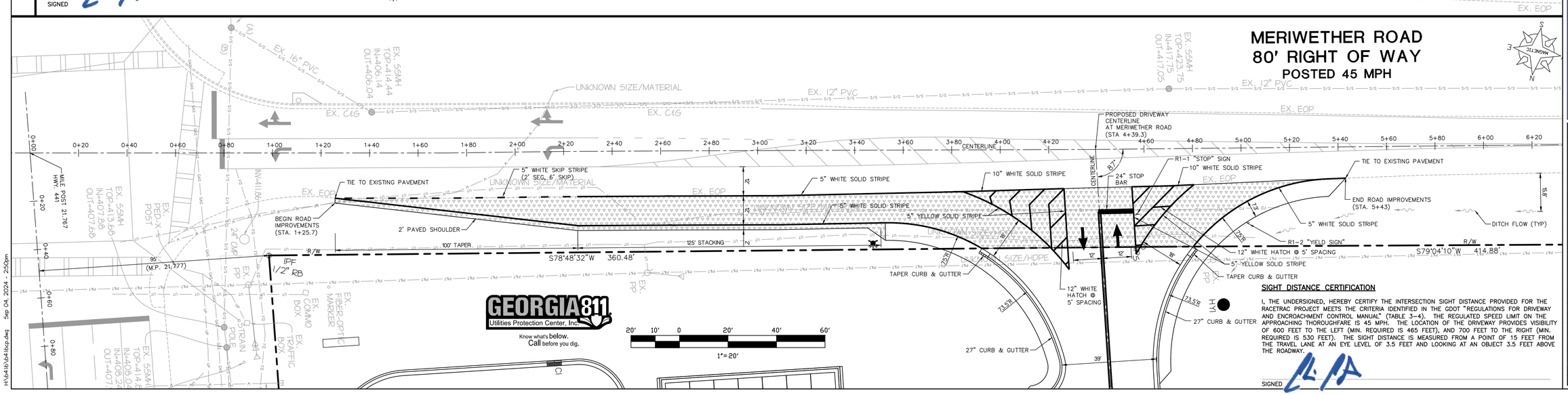




SIGHT DISTANCE CERTIFICATION

I, THE UNDERSIGNED, HEREBY CERTIFY THE INTERSECTION SIGHT DISTANCE PROVIDED FOR THE RACETRAC PROJECT MEETS THE CRITERIA IDENTIFIED IN THE GDOT "REGULATIONS FOR DRIVEWAY AND ENCROACHMENT CONTROL MANUAL" (TABLE 3–4). THE REGULATED SPEED LIMIT ON THE APPROACHING THOROUGHFARE IS 55 MPH. THE LOCATION OF THE DRIVEWAY PROVIDES VISIBILITY OF 800 FEET TO THE LEFT (MIN. REQUIRED IS 650 FEET), AND 1200 FEET TO THE RIGHT (MIN. REQUIRED IS 730 FEET). THE SIGHT DISTANCE IS MEASURED FROM A POINT OF 15 FEET FROM THE TRAVEL LANE AT AN EYE LEVEL OF 3.5 FEET AND LOOKING AT AN OBJECT 3.5 FEET ABOVE THE ROADWAY.

SIGNED



GEORGIA811 Utilities Protection Center, Inc. Know what's below. Call before you dig.

20' 10' 0 20' 40' 60'
1"=20'

SIGHT DISTANCE CERTIFICATION

I, THE UNDERSIGNED, HEREBY CERTIFY THE INTERSECTION SIGHT DISTANCE PROVIDED FOR THE RACETRAC PROJECT MEETS THE CRITERIA IDENTIFIED IN THE GDOT "REGULATIONS FOR DRIVEWAY AND ENCROACHMENT CONTROL MANUAL" (TABLE 3–4). THE REGULATED SPEED LIMIT ON THE APPROACHING THOROUGHFARE IS 45 MPH. THE LOCATION OF THE DRIVEWAY PROVIDES VISIBILITY OF 600 FEET TO THE LEFT (MIN. REQUIRED IS 465 FEET), AND 700 FEET TO THE RIGHT (MIN. REQUIRED IS 530 FEET). THE SIGHT DISTANCE IS MEASURED FROM A POINT OF 15 FEET FROM THE TRAVEL LANE AT AN EYE LEVEL OF 3.5 FEET AND LOOKING AT AN OBJECT 3.5 FEET ABOVE THE ROADWAY.

SIGNED

H:\6416\6416cp.dwg Sep 04, 2024 - 2:50pm

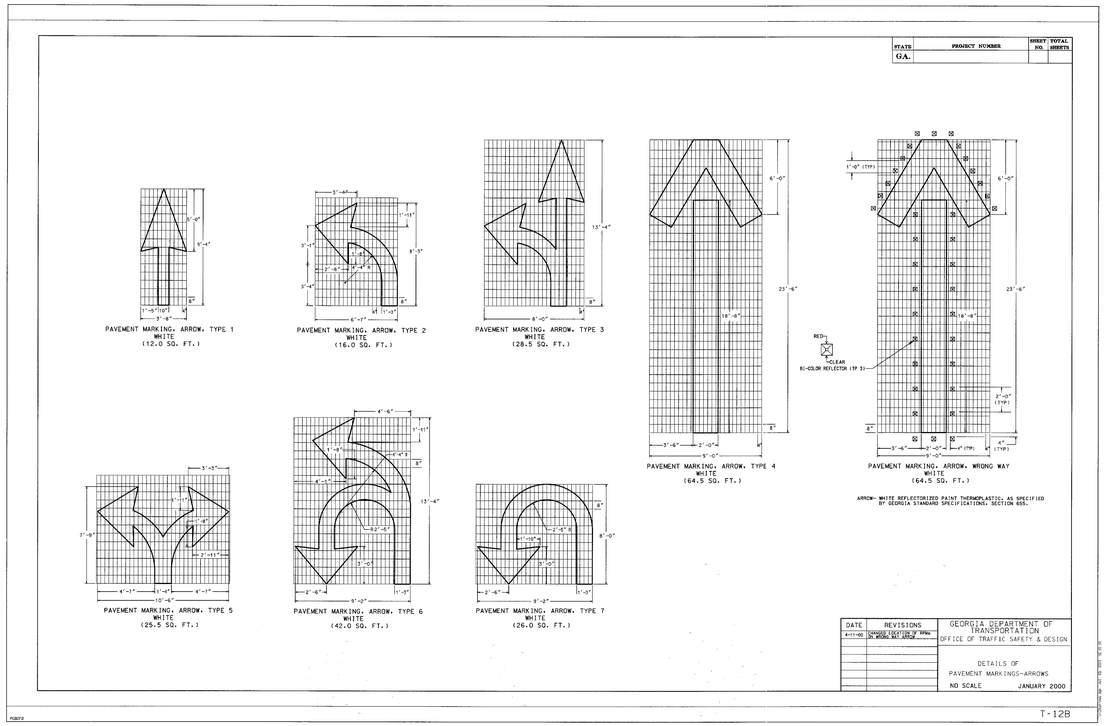
NO	REVISIONS	BY	DATE

HARKLEROAD PROJECT 6416
Carter ◆ Harkleroad Group
94 E. CROGAN STREET, SUITE 100, LAWRENCEVILLE, GA 30046
(770) 982-1996
DONALD W. HARKLEROAD & ASSOCIATES, INC.
COA No. PEF000295, LSF000260 EXPIRATION: 6-30-2026
GSWCC LEVEL II CERT. NO 10875
GEORGIA REGISTERED PROFESSIONAL ENGINEER CHRIS A. CARTER
08-30-24

THESE PLANS ARE SUBJECT TO FEDERAL COPYRIGHT LAWS. ANY USE OF SAME WITHOUT THE EXPRESSED WRITTEN PERMISSION OF RACETRAC INC. IS PROHIBITED.

RACEWAY
RACETRAC, INC.
200 GALLERIA PARKWAY S.E., SUITE 900
SUITE 100 ATLANTA, GA.30339
(770) 431-7600

ROADWAY IMPROVEMENT SITE PLAN	
RACEWAY EDO 1633	
500 MERIWETHER ROAD	
LAND LOT 185, 2ND DISTRICT	
318TH GEORGIA MILITIA DISTRICT	
BALDWIN COUNTY, GEORGIA	
DATE	08/30/2024
SCALE	1"=20'
DRAWN BY	RD
DRAWING NAME: 6416cp.dwg	
C3.0G	
SHEET NO.	REVISION



STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

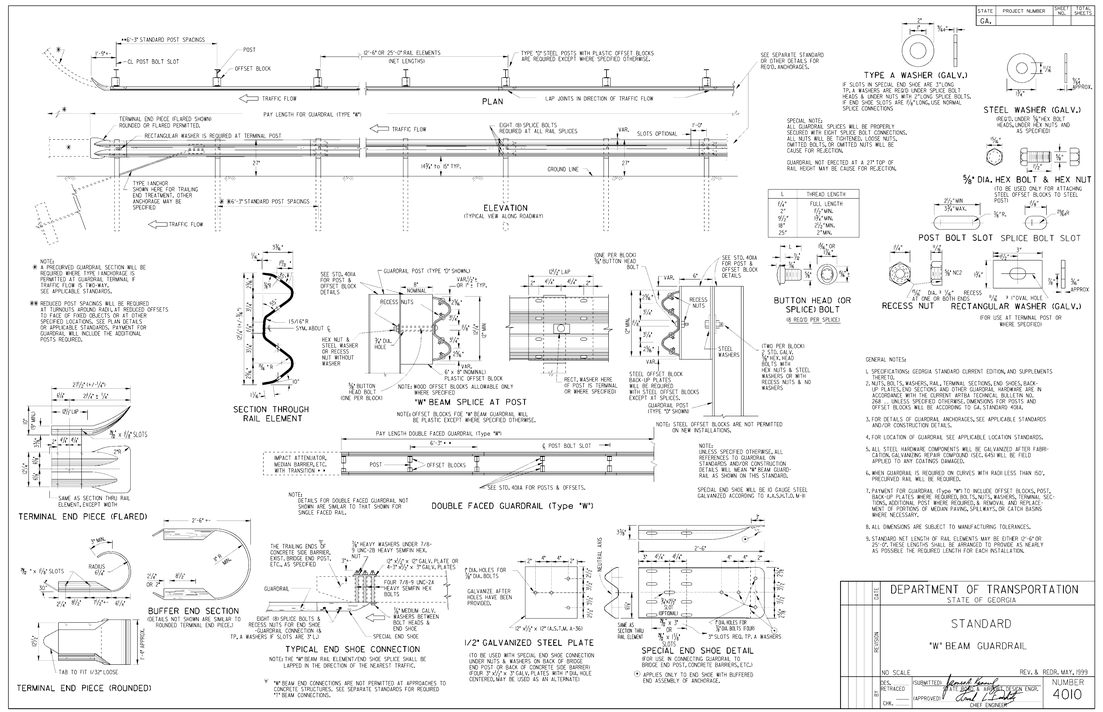
DATE	REVISIONS
4-11-00	CHANGED LOCATION OF SPIRAL ON WRONG WAY ARROW

GEORGIA DEPARTMENT OF TRANSPORTATION
OFFICE OF TRAFFIC SAFETY & DESIGN

DETAILS OF
PAVEMENT MARKINGS-ARROWS

NO SCALE — JANUARY 2000

T-128



L	THREAD LENGTH
1¼"	FULL LENGTH
2"	1½" MIN.
2½"	2" MIN.
3"	2½" MIN.
3½"	2½" MIN.
4"	2½" MIN.
4½"	2½" MIN.
5"	2½" MIN.
6"	2½" MIN.
7"	2½" MIN.
8"	2½" MIN.
9"	2½" MIN.
10"	2½" MIN.
11"	2½" MIN.
12"	2½" MIN.

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

NO.	REVISIONS	BY	DATE
	ADDRESS RACETRAC PROJ. COMMENTS, GDOT & COUNTY COMMENTS	RD	05.30.24

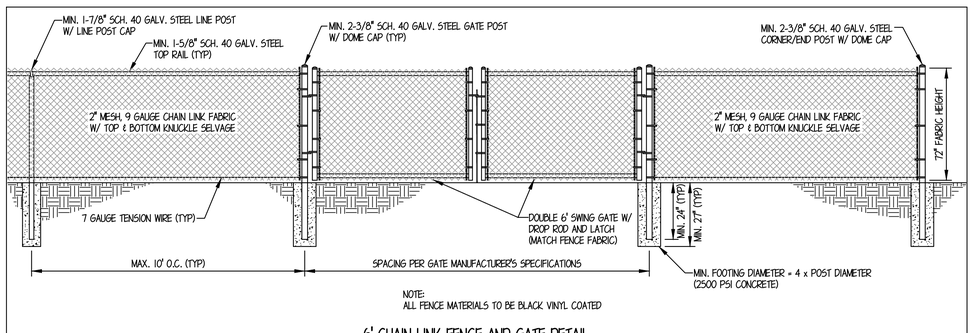
DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

STANDARD
"W" BEAM GUARDRAIL

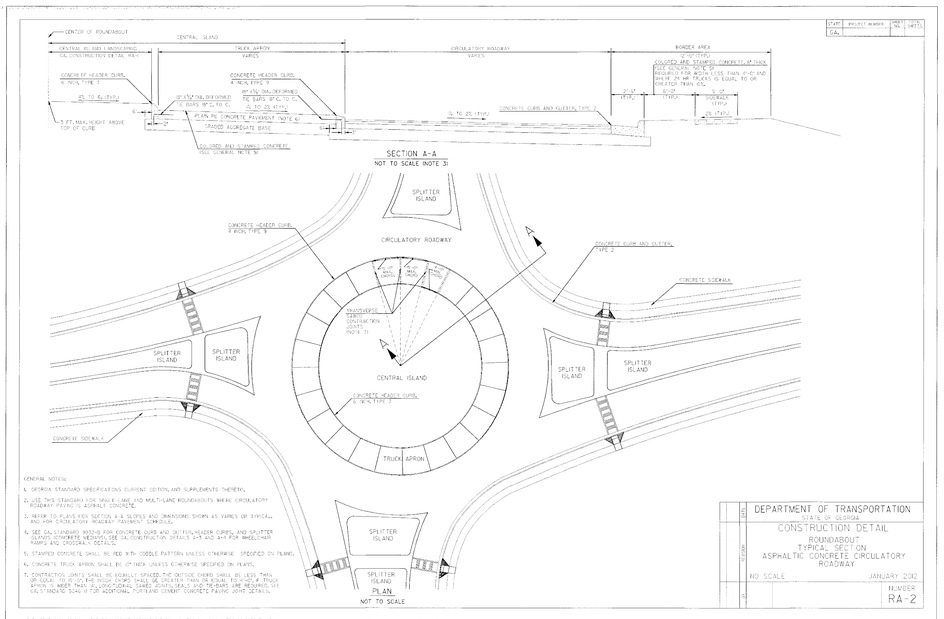
NO SCALE — REV. & REDR. MAY, 1999

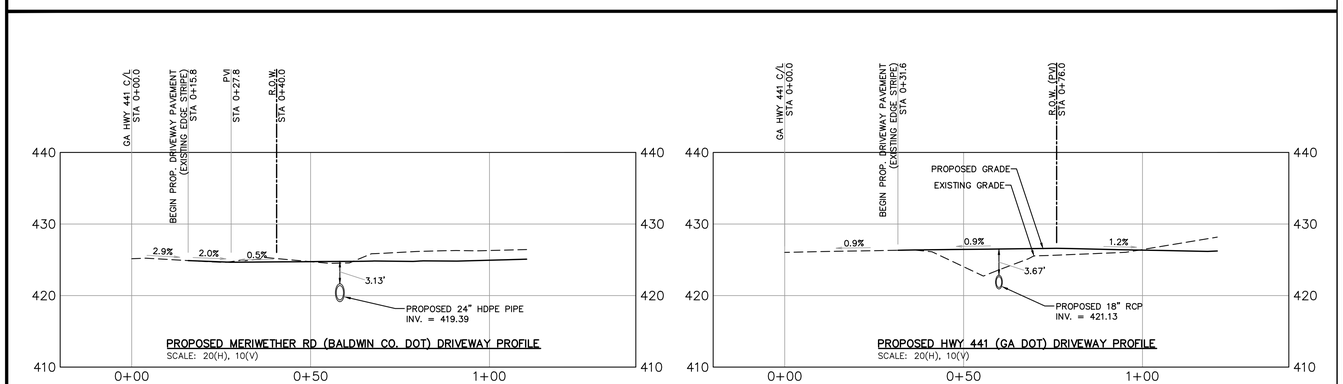
DES. RETRACED — FURNISHED: [signature] STATE ROAD & TOLLWAY DESIGN ENGR.
CHK. — APPROVED: [signature] CHIEF ENGINEER

NUMBER 4010



6' CHAIN LINK FENCE AND GATE DETAIL
NTS





HARKLEROAD PROJECT 6416

Carter ◆ Harkleroad Group
94 E. CROGAN STREET, SUITE 100, LAWRENCEVILLE, GA 30046
DONALD W. HARKLEROAD & ASSOCIATES, INC.
(770) 982-1996
COA No. PEF000295, LSF000260 | EXPIRATION: 6-30-2026

GSWCC LEVEL II CERT. NO 10875

GEORGIA REGISTERED No. 27011 PROFESSIONAL ENGINEER THRIS A. CARTER

08-30-24

THESE PLANS ARE SUBJECT TO FEDERAL COPYRIGHT LAWS. ANY USE OF SAME WITHOUT THE EXPRESSED WRITTEN PERMISSION OF RACETRAC INC. IS PROHIBITED.

RACEWAY
RACETRAC, INC.
200 GALLERIA PARKWAY S.E., SUITE 900
SUITE 100 ATLANTA, GA.30339
(770) 431-7600

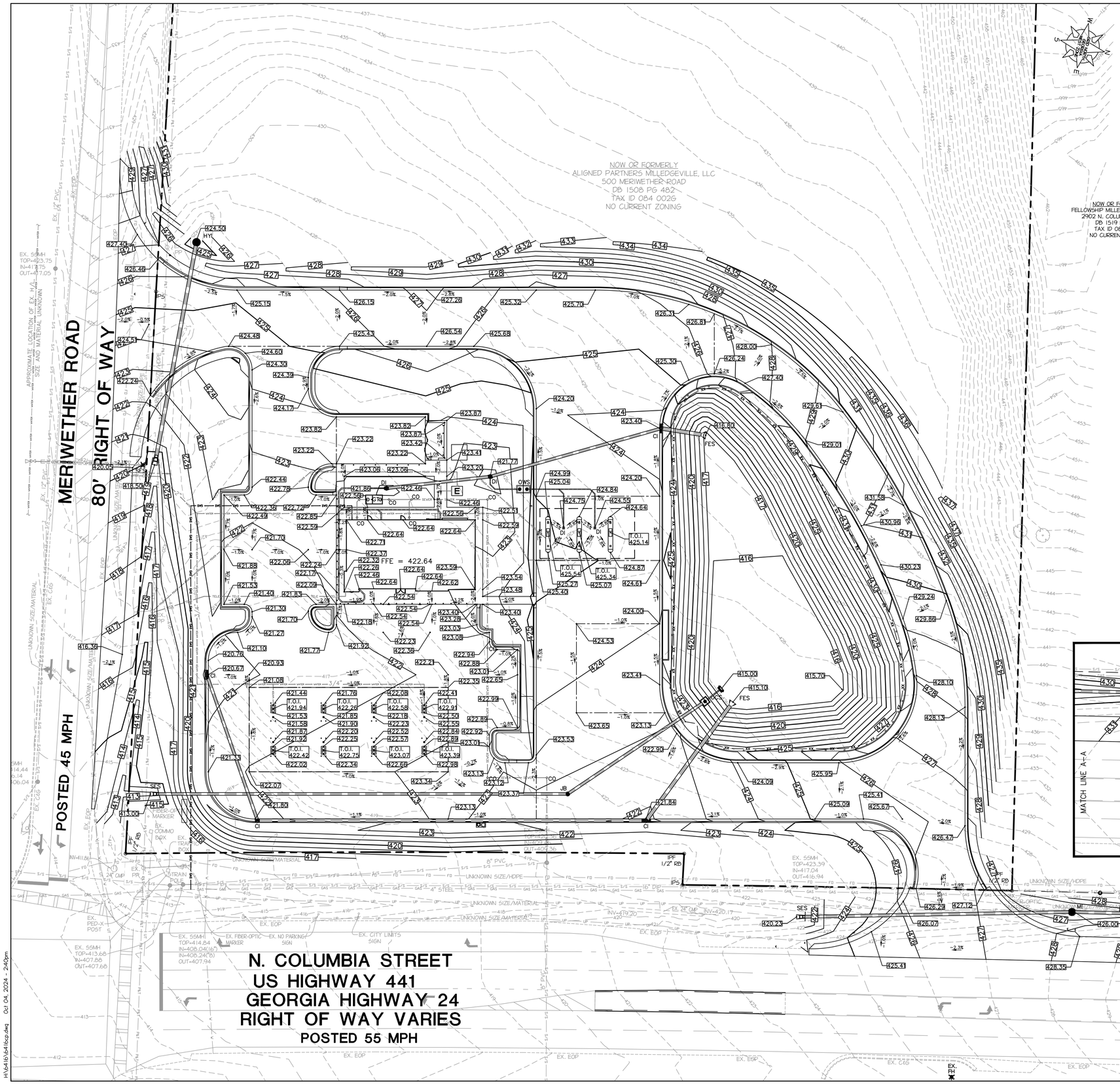
DETAILS

RACEWAY EDO 1633

500 MERIWETHER ROAD
LAND LOT 185, 2ND DISTRICT
318TH GEORGIA MILITIA DISTRICT
BALDWIN COUNTY, GEORGIA

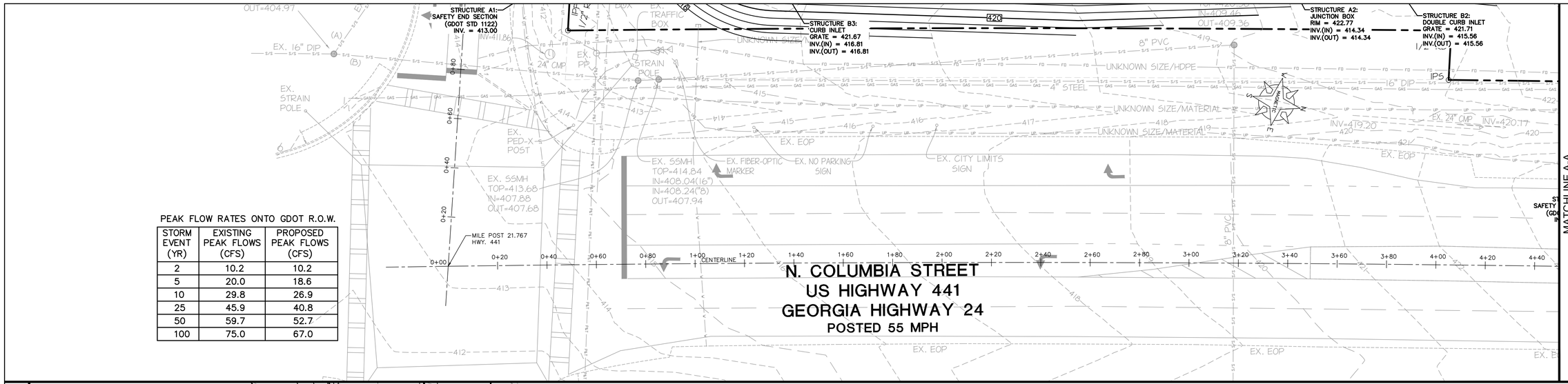
DATE	08/30/2024
SCALE	N.T.S.
DRAWN BY	RD
DRAWING NAME: 6416cp.dwg	
C3.1	1
SHEET NO.	REVISION

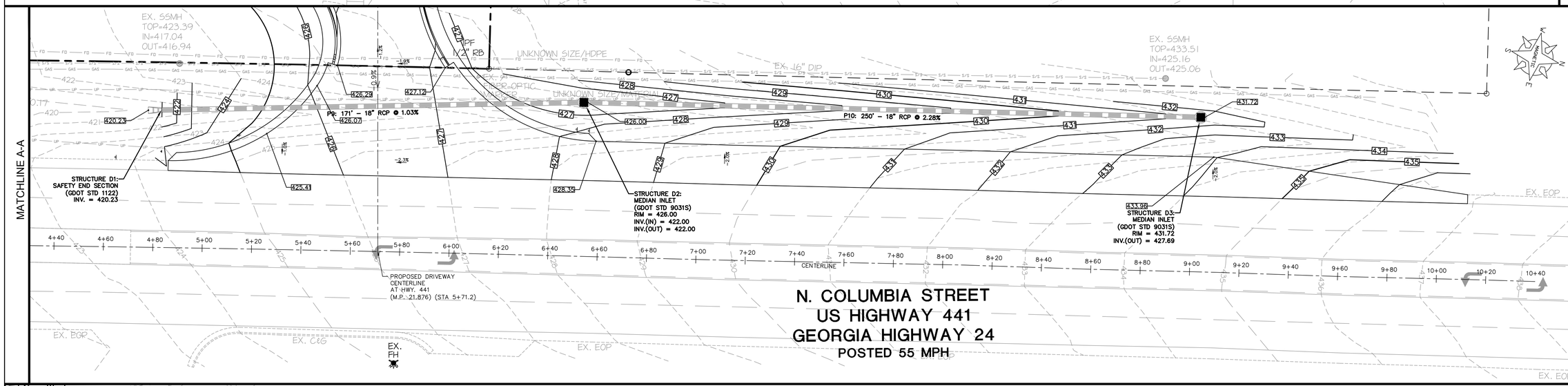
H:\6416\6416cp.dwg Sep 04, 2024 - 2:49pm

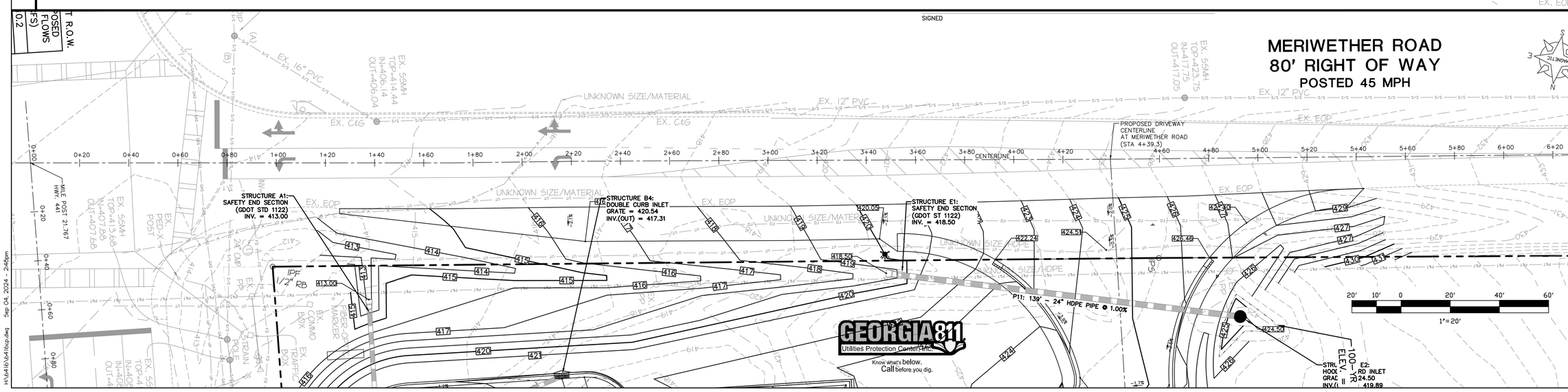

NOW OR FORMERLY
ALIGNED PARTNERS MILLEDGEVILLE, LLC
500 MERIWETHER ROAD
DB 1508 PG 482
TAX ID 084 002G
NO CURRENT ZONING
NOW OR FORMERLY
FELLOWSHIP MILLEDGEVILLE II, LLC
2902 N. COLUMBIA STREET
DB 1519 PG 587
TAX ID 084 002F
NO CURRENT ZONING
MERIWETHER ROAD
80' RIGHT OF WAY
POSTED 45 MPH
FFE = 422.64
N. COLUMBIA STREET
US HIGHWAY 441
GEORGIA HIGHWAY 24
RIGHT OF WAY VARIES
POSTED 55 MPH
VIEW A
MATCH LINE A-A
MATCH LINE A-A (SEE VIEW A)
N. COLUMBIA STREET
US HIGHWAY 441
GEORGIA HIGHWAY 24
EX. 55MH
TOP=423.75
IN=417.75
OUT=417.05
EX. 55MH
TOP=423.39
IN=417.04
OUT=416.94
EX. 55MH
TOP=433.51
IN=425.16
OUT=425.06
EX. 55MH
TOP=415.68
IN=407.88
OUT=407.68
EX. 55MH
TOP=414.84
IN=408.04(16")
IN=408.24"(8)
OUT=407.94
EX. 16" DIP
EX. 24" CMP
EX. 8" PVC
EX. 12" PVC
EX. 4" STEEL
EX. 6" PVC
EX. 24" CMP
EX. 12" PVC
EX. 8" PVC
EX. 6" PVC
EX. 12

PEAK FLOW RATES ONTO GDOT R.O.W.

STORM EVENT (YR)	EXISTING PEAK FLOWS (CFS)	PROPOSED PEAK FLOWS (CFS)
2	10.2	10.2
5	20.0	18.6
10	29.8	26.9
25	45.9	40.8
50	59.7	52.7
100	75.0	67.0







T.R.O.W.
PROPOSED FLOWS (CFS)
0.2

Sep 04, 2024 - 2:48pm
H:\6416\6416cp.dwg

NO.	REVISIONS	BY	DATE

Carter ◆ Harkleroad Group
94 E. CROGAN STREET, SUITE 100, LAWRENCEVILLE, GA 30046
(770) 982-1996
DONALD W. HARKLEROAD & ASSOCIATES, INC.
No. PEF000295, LSF000260 | EXPIRATION: 6-30-2026
COA
HARKLEROAD PROJECT 6416

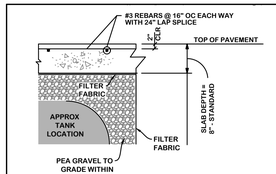
GSWCC LEVEL II CERT. NO 10875
GEORGIA REGISTERED PROFESSIONAL ENGINEER
TERESA A. CARTER
08-30-24

THESE PLANS ARE SUBJECT TO FEDERAL COPYRIGHT LAWS. ANY USE OF SAME WITHOUT THE EXPRESSED WRITTEN PERMISSION OF RACETRAC INC. IS PROHIBITED.

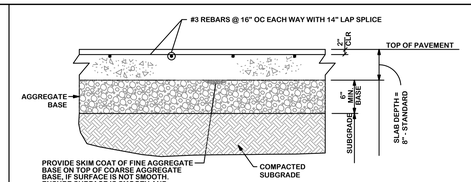
RACEWAY
RACETRAC, INC.
200 GALLERIA PARKWAY S.E., SUITE 900
SUITE 100 ATLANTA, GA.30339
(770) 431-7600

ROADWAY IMPROVEMENT
GRADING AND DRAINAGE PLAN
RACEWAY EDO 1633
500 MERIWETHER ROAD
LAND LOT 185, 2ND DISTRICT
318TH GEORGIA MILITIA DISTRICT
BALDWIN COUNTY, GEORGIA

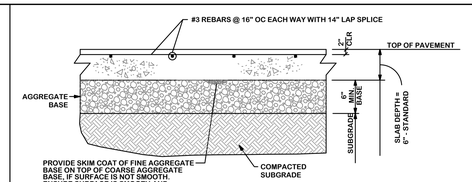
DATE	08/30/2024
SCALE	1"=20'
DRAWN BY	RD
DRAWING NAME: 6416cp.dwg	
C4.0G	
SHEET NO.	REVISION



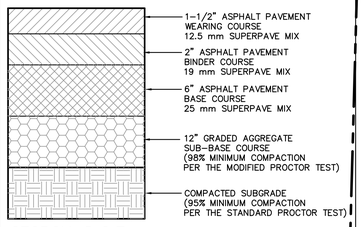
TYPICAL TANK PAD PAVEMENT SECTION



TYPICAL 8" PAVEMENT SECTION
N.T.S.



TYPICAL 6" PAVEMENT SECTION
N.T.S.



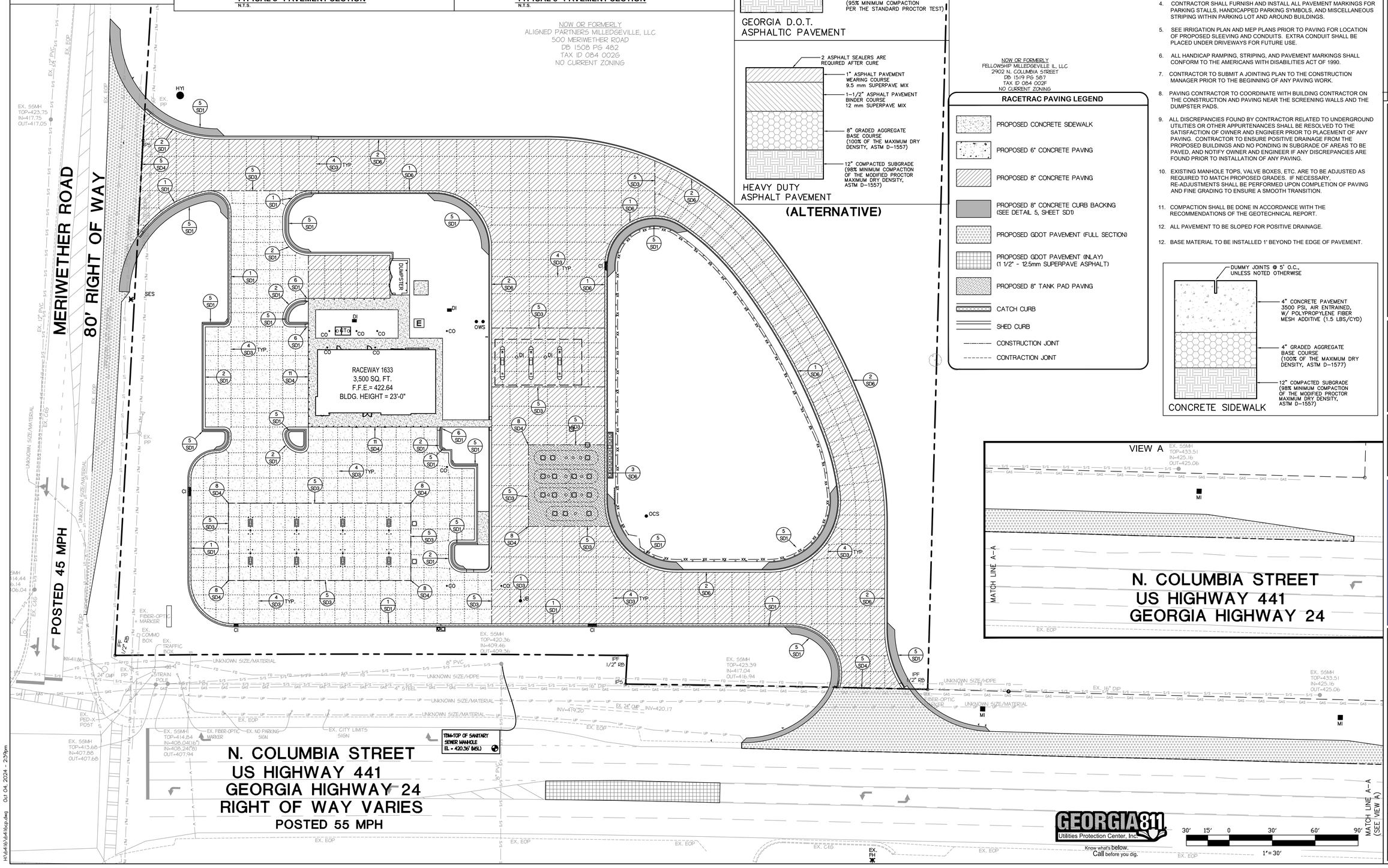
GEORGIA D.O.T.
ASPHALTIC PAVEMENT

HEAVY DUTY
ASPHALT PAVEMENT

(ALTERNATIVE)

NOW OR FORMERLY
ALIGNED PARTNERS MILLEDGEVILLE, LLC
500 MERIWETHER ROAD
DB 1508 PG 482
TAX ID 084 002G
NO CURRENT ZONING

NOW OR FORMERLY
FELLOWSHIP MILLEDGEVILLE IL, LLC
2902 N. COLUMBIA STREET
DB 1519 PG 587
TAX ID 084 002F
NO CURRENT ZONING



RACETRAC PAVING LEGEND

- PROPOSED CONCRETE SIDEWALK
- PROPOSED 6" CONCRETE PAVING
- PROPOSED 8" CONCRETE PAVING
- PROPOSED 8" CONCRETE CURB BACKING (SEE DETAIL 5, SHEET SD1)
- PROPOSED GDOT PAVEMENT (FULL SECTION)
- PROPOSED GDOT PAVEMENT (INLAY) (1 1/2" - 12.5mm SUPERPAVE ASPHALT)
- PROPOSED 8" TANK PAD PAVING
- CATCH CURB
- SHED CURB
- CONSTRUCTION JOINT
- CONTRACTION JOINT

PAVING PLAN NOTES:

1. TESTING OF MATERIALS REQUIRED FOR THE CONSTRUCTION OF THE PAVING IMPROVEMENTS SHALL BE PERFORMED BY AN AGENCY APPROVED BY THE OWNER, FOR TESTING MATERIALS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE . BY THE STANDARD TESTING PROCEDURES, THAT THE WORK CONSTRUCTED MEETS THE REQUIREMENTS OF THE PROJECT SPECIFICATIONS.
2. ALL SIGNS, PAVEMENT MARKINGS, AND OTHER TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" LATEST EDITION.
3. TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE STATE DOT STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES. CONTRACTOR SHALL REVIEW ALL TRAFFIC CONTROL DEVICES WITH DOT PRIOR TO INSTALLATION.
4. CONTRACTOR SHALL FURNISH AND INSTALL ALL PAVEMENT MARKINGS FOR PARKING STALLS, HANDICAPPED PARKING SYMBOLS, AND MISCELLANEOUS STRIPING WITHIN PARKING LOT AND AROUND BUILDINGS.
5. SEE IRRIGATION PLAN AND MEP PLANS PRIOR TO PAVING FOR LOCATION OF PROPOSED SLEEVING AND CONDUITS. EXTRA CONDUIT SHALL BE PLACED UNDER DRIVEWAYS FOR FUTURE USE.
6. ALL HANDICAP RAMPING, STRIPING, AND PAVEMENT MARKINGS SHALL CONFORM TO THE AMERICANS WITH DISABILITIES ACT OF 1990.
7. CONTRACTOR TO SUBMIT A JOINTING PLAN TO THE CONSTRUCTION MANAGER PRIOR TO THE BEGINNING OF ANY PAVING WORK.
8. PAVING CONTRACTOR TO COORDINATE WITH BUILDING CONTRACTOR ON THE CONSTRUCTION AND PAVING NEAR THE SCREENING WALLS AND THE DUMPSTER PADS.
9. ALL DISCREPANCIES FOUND BY CONTRACTOR RELATED TO UNDERGROUND UTILITIES OR OTHER APPURTENANCES SHALL BE RESOLVED TO THE SATISFACTION OF OWNER AND ENGINEER PRIOR TO PLACEMENT OF ANY PAVING. CONTRACTOR TO ENSURE POSITIVE DRAINAGE FROM THE PROPOSED BUILDINGS AND NO PONDING IN SUBGRADE OF AREAS TO BE PAVED, AND NOTIFY OWNER AND ENGINEER IF ANY DISCREPANCIES ARE FOUND PRIOR TO INSTALLATION OF ANY PAVING.
10. EXISTING MANHOLE TOPS, VALVE BOXES, ETC. ARE TO BE ADJUSTED AS REQUIRED TO MATCH PROPOSED GRADES. IF NECESSARY, RE-ADJUSTMENTS SHALL BE PERFORMED UPON COMPLETION OF PAVING AND FINE GRADING TO ENSURE A SMOOTH TRANSITION.
11. COMPACTION SHALL BE DONE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT.
12. ALL PAVEMENT TO BE SLOPED FOR POSITIVE DRAINAGE.
12. BASE MATERIAL TO BE INSTALLED 1' BEYOND THE EDGE OF PAVEMENT.

CONCRETE SIDEWALK

GEORGIA811 Utilities Protection Center, Inc.
Know what's below. Call before you dig.

30' 15' 0 30' 60' 90'
1"= 30'

NO	DESCRIPTION	BY	DATE
2	ADDRESS CRM COMMENTS	RD	10-04-24
1	ADDRESS REJECTION, ISSUES, GDOT & COUNTY COMMENTS	RD	09-30-24

HARKLEROAD PROJECT 6416

Carter ◆ Harkleroad Group
94 E. CROGAN STREET, SUITE 100, LAWRENCEVILLE, GA 30046
(770) 982-1996
DONALD W. HARKLEROAD & ASSOCIATES, INC.
COA No. PEF000295, LSF000260 EXPIRATION: 6-30-2026

GSWCC LEVEL II CERT. NO 10875
GEORGIA REGISTERED 27077 PROFESSIONAL ENGINEER MARISA A. CARTER
10-04-24

THESE PLANS ARE SUBJECT TO FEDERAL COPYRIGHT LAWS. ANY USE OF SAME WITHOUT THE EXPRESSED WRITTEN PERMISSION OF RACETRAC INC. IS PROHIBITED.

RACEWAY
RACETRAC, INC.
200 GALLERIA PARKWAY S.E., SUITE 900
SUITE 100 ATLANTA, GA.30339
(770) 431-7600

PAVING PLAN

RACEWAY EDO 1633

500 MERIWETHER ROAD
LAND LOT 185, 2ND DISTRICT
318TH GEORGIA MILITIA DISTRICT
BALDWIN COUNTY, GEORGIA

DATE	08/30/2024
SCALE	1"=30'
DRAWN BY	RD
DRAWING NAME:	6416cp.dwg
C5.0	2
SHEET NO.	REVISION

H:\6416\cp\6416cp.dwg Oct 04, 2024 - 2:39pm

NOW OR FORMERLY
ALIGNED PARTNERS MILLEDGEVILLE, LLC
500 MERIWETHER ROAD
DB 1508 PG 482
TAX ID 084 002G
NO CURRENT ZONING

NOW OR FORMERLY
FELLOWSHIP MILLEDGEVILLE IL, LLC
2902 N. COLUMBIA STREET
DB 1519 PG 587
TAX ID 084 002F
NO CURRENT ZONING

100-YR PONDING
ELEV. = 425.3

STRUCTURE E2:
HOODED YARD INLET
GRADE = 424.50
INV.(OUT) = 419.89

P11: 139' – 24" HDPE PIPE @ 1.00%

STRUCTURE C2:
DOUBLE CURB INLET
GRATE = 423.27
INV.(IN) = 417.43
INV.(OUT) = 416.93

STRUCTURE C3:
DROP INLET
GRATE = 421.77
INV.(IN) = 418.00 <P8>
INV.(IN) = 419.00 <OWS PIPE>
INV.(OUT) = 418.00

100-YR PONDING
ELEV. = 423.5

P6: 26' – 24" HDPE
PIPE @ 0.50%

STRUCTURE C4:
DROP INLET
GRADE = 421.86
INV.(IN) = 419.34 <ROOF DRAIN>
INV.(OUT) = 418.34

100-YR PONDING
ELEV. = 421.9

STRUCTURE E1:
SAFETY END SECTION
(GDOT ST 1122)
INV. = 418.50

100-YR PONDING
ELEV. = 422.0

P7: 114' – 18" HDPE PIPE @ 0.50%

P8: 67' – 18" HDPE PIPE @ 0.51%

3 SD8 OIL/WATER SEPARATOR
RIM = 424.0 +/-
INV.(IN) = 419.75
INV.(OUT) = 419.50

113'± 6" PVC PIPE
@ 2% MIN. SLOPE
(TYP)

STRUCTURE C1:
FLARED END SECTION
INV. = 416.80

200'± 8" PVC ROOF DRAIN
PIPES @ 1% MIN. SLOPE (TYP)
RACEWAY 1633
3,500 SQ. FT.
F.F.E.= 422.64
BLDG. HEIGHT = 23'-0"

DRY DETENTION POND
(100-YR POND
ELEV. = 420.0)

STRUCTURE A3:
OUTLET CONTROL STRUCTURE
RIM = 421.50
INV.(OUT) = 414.90

STRUCTURE B1:
FLARED END SECTION
INV. = 415.10

MERIWETHER ROAD
80' RIGHT OF WAY
POSTED 45 MPH

STRUCTURE B4:
DOUBLE CURB INLET
GRATE = 420.54
INV.(OUT) = 417.31

100-YR PONDING
ELEV. = 422.8

P12: 99' – 18" HDPE PIPE @ 0.51%

P1: 262' – 18" HDPE PIPE @ 0.51%

P2: 106' – 18" HDPE PIPE @ 0.53%

P3: 91' – 24" HDPE PIPE @ 0.51%

100-YR PONDING
ELEV. = 422.0

P4: 249' – 24" HDPE PIPE @ 0.50%

STRUCTURE A1:
SAFETY END SECTION
(GDOT STD 1122)
INV. = 413.00

STRUCTURE B3:
CURB INLET
GRATE = 421.67
INV.(IN) = 416.81
INV.(OUT) = 416.81

STRUCTURE A2:
JUNCTION BOX
RIM = 422.77
INV.(IN) = 414.34
INV.(OUT) = 414.34

STRUCTURE B2:
DOUBLE CURB INLET
GRATE = 421.71
I/INV.(IN) = 415.56
INV.(OUT) = 415.56

N. COLUMBIA STREET
US HIGHWAY 441
GEORGIA HIGHWAY 24
RIGHT OF WAY VARIES
POSTED 55 MPH

P9: 171' – 18" RCP @ 1.03%

P10: 250' – 18" RCP @ 2.28%

STRUCTURE D1:
SAFETY END SECTION
(GDOT STD 1122)
INV. = 420.23

STRUCTURE D2:
MEDIAN INLET
(GDOT STD 9031S)
RIM = 426.00
INV.(IN) = 422.00
INV.(OUT) = 422.00

STRUCTURE D3:
MEDIAN INLET
(GDOT STD 9031S)
RIM = 431.72
INV.(OUT) = 427.69

VIEW A

P10: 250' – 18" RCP @ 2.28%

STRUCTURE D3:
MEDIAN INLET
(GDOT STD 9031S)
RIM = 431.72
INV.(OUT) = 427.69

N. COLUMBIA STREET
US HIGHWAY 441
GEORGIA HIGHWAY 24

MATCH LINE A-A

MATCH LINE A-A
(SEE VIEW A)

GEORGIA 811
Utilities Protection Center, Inc.
Know what's below.
Call before you dig.

30' 15' 0 30' 60' 90
1"= 30'

No.	DESCRIPTION	BY	DATE
2	ADDRESS CRM COMMENTS	RD	10-04-24
1	ADDRESS RACETRAC PRM, ESWRS, GDOT & COUNTY COMMENTS	RD	9-30-24

HARKLEROAD PROJECT 6416

Carter ◆ Harkleroad Group
94 E. CROGAN STREET, SUITE 100, LAWRENCEVILLE, GA 30046
(770) 982-1996
DONALD W. HARKLEROAD & ASSOCIATES, INC.
COA No. PEF000295, LSF000260 | EXPIRATION: 6-30-2026

GSWCC LEVEL II CERT. NO 10875

GEORGIA REGISTERED No. 27012 PROFESSIONAL ENGINEER MARISA A. CARTER

10-04-24

THESE PLANS ARE SUBJECT TO FEDERAL COPYRIGHT LAWS. ANY USE OF SAME WITHOUT THE EXPRESSED WRITTEN PERMISSION OF RACETRAC INC. IS PROHIBITED.

RACEWAY

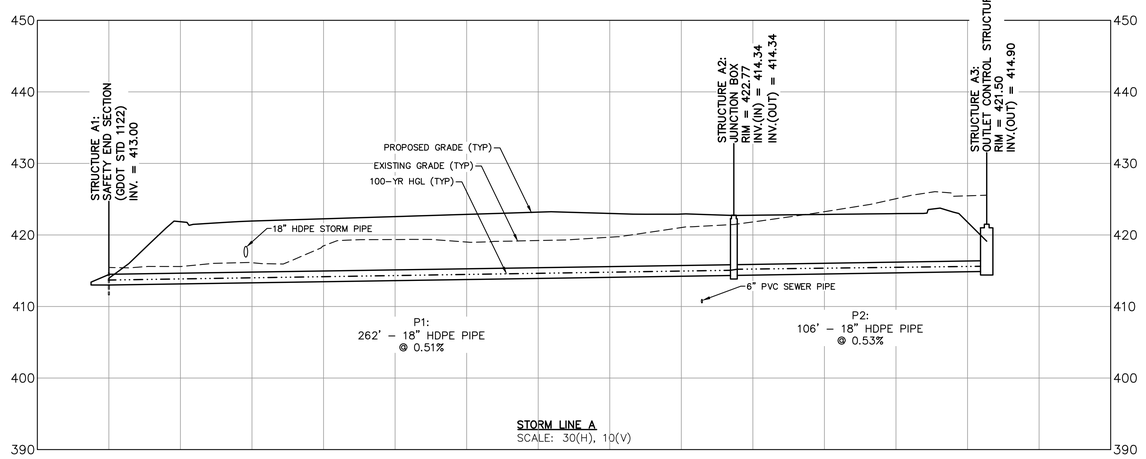
RACETRAC, INC.
200 GALLERIA PARKWAY S.E., SUITE 900
SUITE 100 ATLANTA, GA.30339
(770) 431-7600

DRAINAGE PLAN

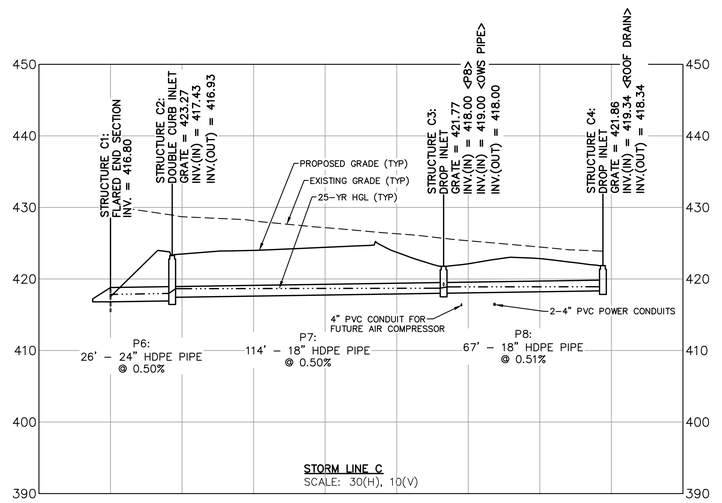
RACEWAY EDO 1633
500 MERIWETHER ROAD
LAND LOT 185, 2ND DISTRICT
318TH GEORGIA MILITIA DISTRICT
BALDWIN COUNTY, GEORGIA

DATE	08/30/2024
SCALE	1"=30'
DRAWN BY	RD
DRAWING NAME:	6416cp.dwg
C6.0	2
SHEET NO.	REVISION

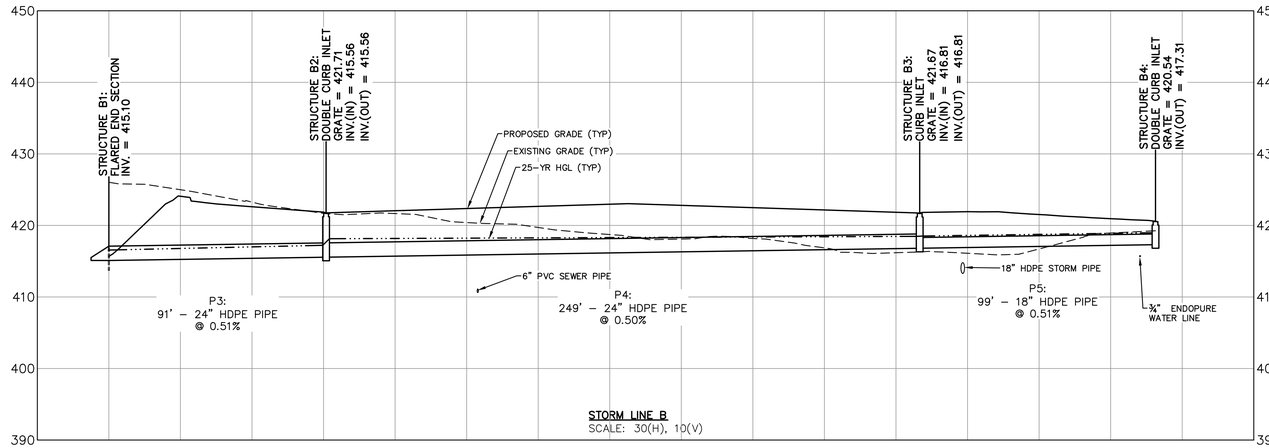
H:\6416\Cad\6cp.dwg Oct 04, 2024 - 2:35pm



STORM LINE A
SCALE: 30(H), 10(V)



STORM LINE C
SCALE: 30(H), 10(V)



STORM LINE B
SCALE: 30(H), 10(V)

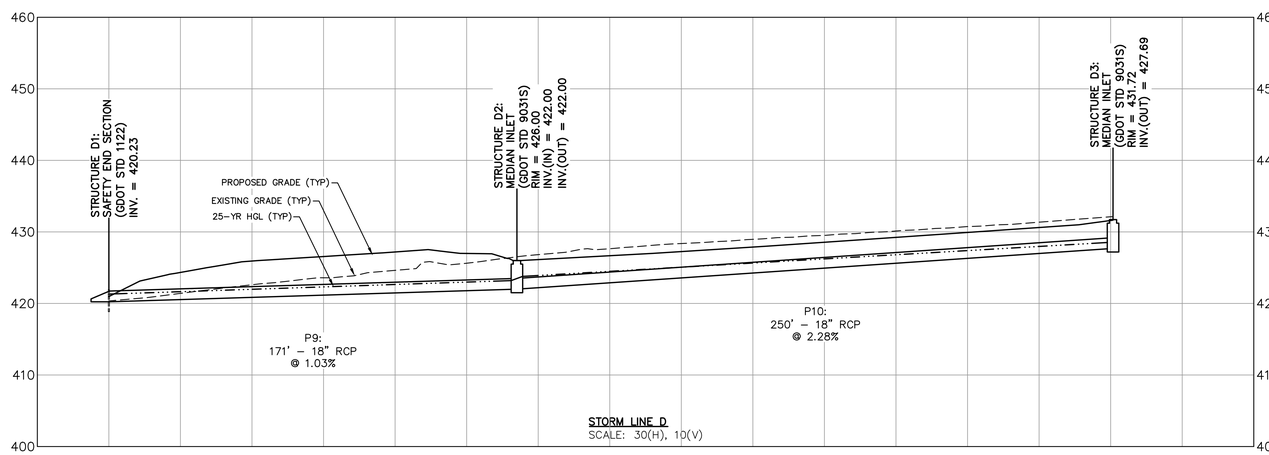
STORM PIPE CHART

STRUCT. LABEL	STRUCT. TYPE	DRAINAGE AREA (AC)	RUNOFF COEFF. C	INLET Tc (MIN)	DESIGN STORM (YR)	FREQ. FACTOR Cf	RAINFALL INTENSITY (IN/HR)	INCR. RUNOFF (CFS)	PIPE LABEL	PIPE MATERIAL	PIPE SIZE (IN)	PIPE LENGTH (FT)	PIPE SLOPE (%)	TOTAL RUNOFF (CFS)	PIPE CAPACITY (CFS)	AVERAGE VELOCITY (FPS)	FULL VELOCITY (FPS)
A2	JB	Refer to the Storm Water Management Report for the 100-yr flow calculation							P1	HDPE	18	262	0.51	3.55	8.14	4.33	4.60
A3	OCS							3.55	P2	HDPE	18	106	0.53	3.55	8.27	4.34	4.69
B2	CI	1.07	0.80	5	25	1.1	9.36	8.81	P3	HDPE	24	91	0.51	16.98	17.41	6.50	5.57
B3	CI	0.22	0.90	5	25	1.1	9.36	2.04	P4	HDPE	24	249	0.50	9.47	17.37	3.20	5.51
B4	CI	0.86	0.87	5	25	1.1	9.36	7.70	P5	HDPE	18	99	0.51	7.70	8.09	4.36	4.60
C2	CI	0.81	0.78	5	25	1.1	9.36	6.50	P6	HDPE	24	26	0.50	8.65	17.37	5.24	5.51
C3	DI	0.19	0.41	5	25	1.1	9.36	0.80	P7	HDPE	18	114	0.50	2.66	8.05	2.50	4.55
C4	DI	0.26	0.72	5	25	1.1	9.36	1.93	P8	HDPE	18	67	0.51	1.93	8.12	2.45	4.60
D2	MI	4.44	0.20	15	25	1.1	5.63	5.50	P9	HDPE	18	171	1.03	9.80	11.57	6.83	6.53
D3	MI	3.00	0.27	17	25	1.1	5.32	4.74	P10	RCP	18	250	2.28	4.74	17.17	3.70	9.72
E2	HYI	9.90	0.28	18	25	1.1	5.18	15.79	P11	RCP	24	139	1.00	15.79	24.53	7.25	7.80

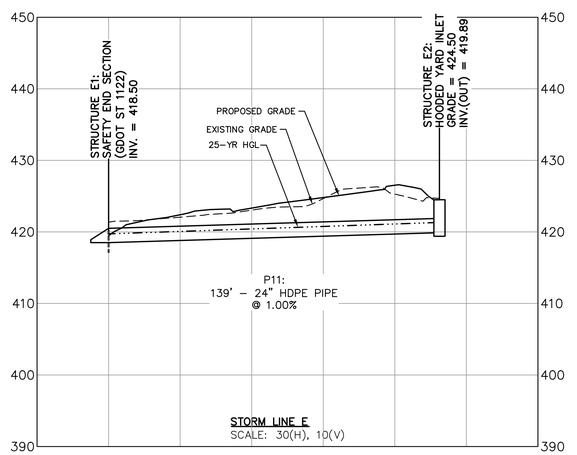
STORM PIPE LEGEND:
- HDPE - HIGH DENSITY POLYETHYLENE PIPE
- RCP - REINFORCED CONCRETE PIPE

STORM STRUCTURE LEGEND:
- CI - CURB INLET
- DI - DROP INLET
- HYI - HOODED YARD INLET
- JB - JUNCTION BOX
- MI - MEDIAN INLET
- OCS - OUTLET CONTROL STRUCTURE

NOTES:
1. ALL PIPE MEASUREMENTS ARE TAKEN FROM THE CENTER OF STRUCTURE TO CENTER OF STRUCTURE.
2. CONTRACTOR AND CONSTRUCTION STAKING COMPANY ARE SPECIFICALLY RESPONSIBLE FOR STRUCTURE LOCATIONS AND LENGTH OF PIPE BETWEEN THEM BASED ON COORDINATION WITH FIELD INSPECTOR AND DETAILS CONTAINED WITHIN



STORM LINE D
SCALE: 30(H), 10(V)



STORM LINE E
SCALE: 30(H), 10(V)

GEORGIA 811
Utilities Protection Center, Inc.
Know what's below.
Call before you dig.

NO.	REVISION	BY	DATE
	ADDRESS RACETRAC PRIVATE ISSUES, GDOT & COUNTY COMMENTS	RD	08-30-24

Carter ◆ Harkleroad Group
94 E. CROGAN STREET, SUITE 100, LAWRENCEVILLE, GA 30046
(770) 982-1996
DONALD W. HARKLEROAD & ASSOCIATES, INC.
COA No. PEF000295, LSF000260 EXPIRATION: 6-30-2026
HARKLEROAD PROJECT 6416

GSWCC LEVEL II CERT. NO 10675

GEORGIA REGISTERED No. 27012 PROFESSIONAL ENGINEER CHRIS A. CARTER

08-30-24

THESE PLANS ARE SUBJECT TO FEDERAL COPYRIGHT LAWS. ANY USE OF SAME WITHOUT THE EXPRESSED WRITTEN PERMISSION OF RACETRAC INC. IS PROHIBITED.

RACEWAY

RACETRAC, INC.
200 GALLERIA PARKWAY S.E., SUITE 900
SUITE 100 ATLANTA, GA.30339
(770) 431-7600

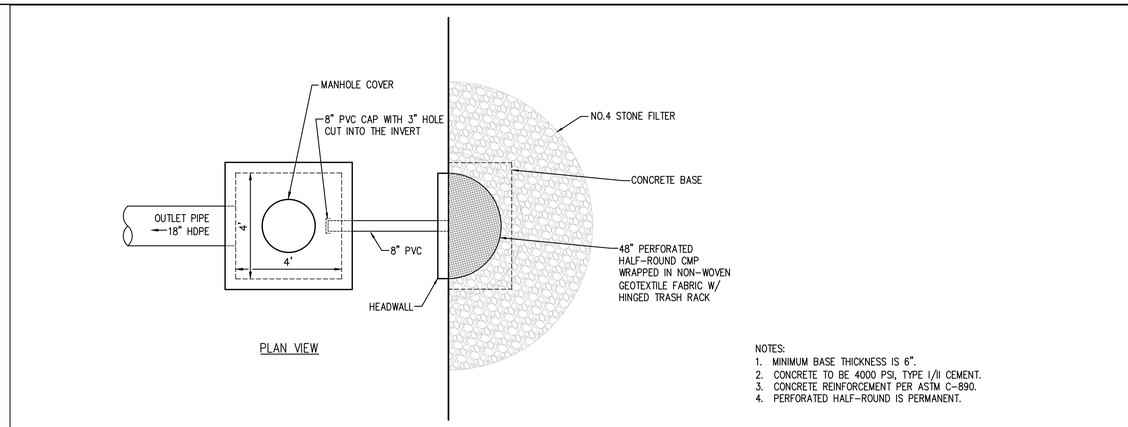
DRAINAGE PROFILES

RACEWAY EDO 1633

500 MERIWETHER ROAD
LAND LOT 185, 2ND DISTRICT
38TH GEORGIA MILITIA DISTRICT
BALDWIN COUNTY, GEORGIA

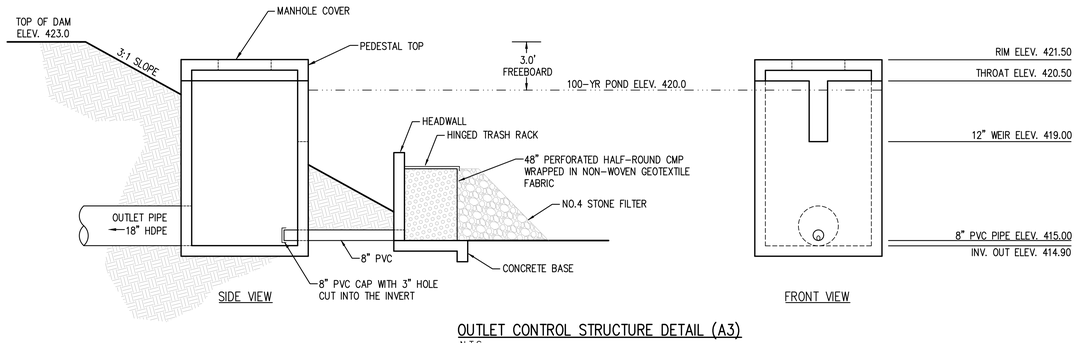
DATE	08/30/2024
SCALE	SEE SHEET
DRAWN BY	RD
DRAWING NAME:	6416cp.dwg
C6.1	1
SHEET NO.	REVISION

H:\6416\6416cp.dwg Sep 04, 2024 - 9:48am



PLAN VIEW

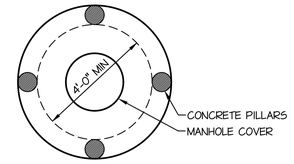
NOTES:
1. MINIMUM BASE THICKNESS IS 6".
2. CONCRETE TO BE 4000 PSI, TYPE I/II CEMENT.
3. CONCRETE REINFORCEMENT PER ASTM C-890.
4. PERFORATED HALF-ROUND IS PERMANENT.



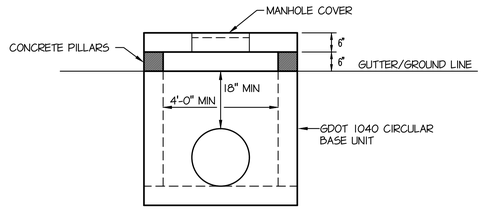
SIDE VIEW

FRONT VIEW

OUTLET CONTROL STRUCTURE DETAIL (A3)
N.T.S.

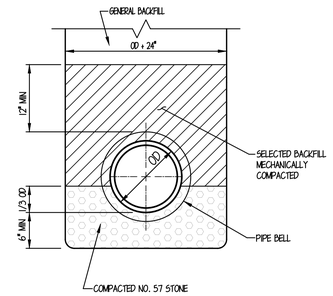


TOP VIEW

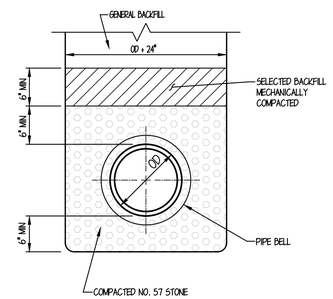


FRONT VIEW

HOODED YARD INLET DETAIL
NTS



STORM PIPE BEDDING DETAIL (EXCLUDES HDPE PIPE)
NTS



HDPE STORM PIPE BEDDING DETAIL
NTS

GEORGIA811
Utilities Protection Center, Inc.
Know what's below.
Call before you dig.

NO	REVISIONS	BY	DATE

HARKLEROAD PROJECT 6416

Carter ◆ Harkleroad Group

94 E. CROGAN STREET, SUITE 100, LAWRENCEVILLE, GA 30046
(770) 982-1996

DONALD W. HARKLEROAD & ASSOCIATES, INC.
COA No. PEF000295, LSF000260 EXPIRATION: 6-30-2026

GSWCC LEVEL II CERT. NO 10875

GEORGIA REGISTERED 27078 PROFESSIONAL ENGINEER TRISA CARTER

08-30-24

THESE PLANS ARE SUBJECT TO FEDERAL COPYRIGHT LAWS. ANY USE OF SAME WITHOUT THE EXPRESSED WRITTEN PERMISSION OF RACETRAC INC. IS PROHIBITED.

RACEWAY

RACETRAC, INC.
200 GALLERIA PARKWAY S.E., SUITE 900
SUITE 100 ATLANTA, GA.30339
(770) 431-7600

DRAINAGE DETAILS

RACEWAY EDO 1633

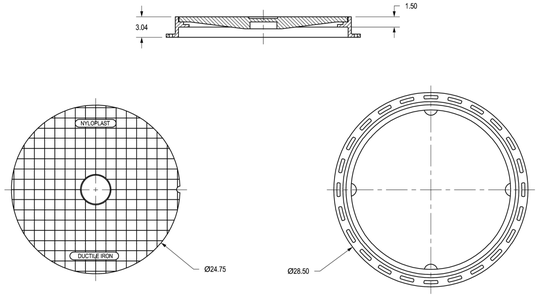
500 MERIWETHER ROAD
LAND LOT 185, 2ND DISTRICT
318TH GEORGIA MILITIA DISTRICT
BALDWIN COUNTY, GEORGIA

DATE	08/30/2024
SCALE	N.T.S.
DRAWN BY	RD
DRAWING NAME: 6416cp.dwg	
C6.2	
SHEET NO.	REVISION

H:\6416\6416cp.dwg Sep 04, 2024 - 9:48am

2499CGC

APPROX. WEIGHT WITH FRAME = 138.00 LBS



DIMENSIONS ARE FOR REFERENCE ONLY
ACTUAL DIMENSIONS MAY VARY
DIMENSIONS ARE IN INCHES
GRATE MEETS H-20 LOAD RATING
QUALITY: MATERIALS SHALL CONFORM TO ASTM A536 GRADE 70-50-05
PAINT: CASTINGS ARE FURNISHED WITH A BLACK PAINT
LOCKING DEVICE AVAILABLE UPON REQUEST SEE DRAWING NO. 7001-110-025

THIS PRINT DISCLOSES SUBJECT MATTER IN WHICH NYLOPLAST HAS PROPRIETARY RIGHTS. THE RECEIPT OR POSSESSION OF THIS PRINT DOES NOT CONFER, TRANSFER, OR LICENSE THE USE OF THE DESIGN OR TECHNICAL INFORMATION SHOWN HEREIN
REPRODUCTION OF THIS PRINT OR ANY INFORMATION CONTAINED HEREIN, OR MANUFACTURE OF ANY ARTICLE HEREFROM, FOR THE DISCLOSURE TO OTHERS IS FORBIDDEN, EXCEPT BY SPECIFIC WRITTEN PERMISSION FROM NYLOPLAST.
©2013 NYLOPLAST

DRAWN BY	EBC	MATERIAL	DUCTILE IRON
DATE	3-8-06		
REVISED BY	EBC	PROJECT NO./NAME	
DATE	3-13-10		
DWG SIZE	A	SCALE 1:10 SHEET 1 OF 1	

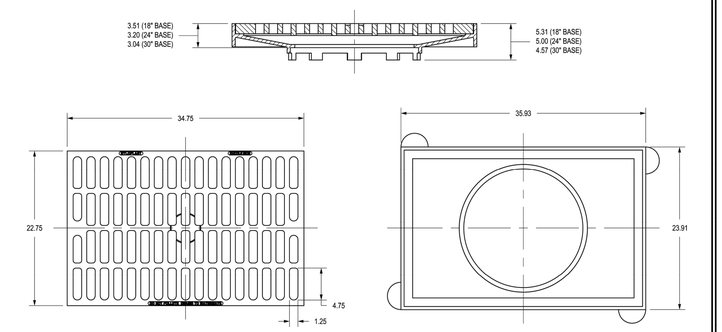
Nyloplast — 3130 VERONA AVE, BUFORD, GA 30518, PHN (770) 932-2443, FAX (770) 932-2490, www.nyloplast-us.com

TITLE: 24 IN SOLID COVER ASSEMBLY - TYPE B

DWG NO. 7001-110-210 REV C

3299CGR

APPROX. DRAIN AREA = 386.10 SQ IN
*APPROX. WEIGHT OF GRATE = 153.00 LBS



DIMENSIONS ARE FOR REFERENCE ONLY
ACTUAL DIMENSIONS MAY VARY
DIMENSIONS ARE IN INCHES
GRATE MEETS H-20 LOAD RATING
GRATE OPENINGS ARE MEET BICYCLE SAFE REQUIREMENTS
QUALITY: MATERIALS SHALL CONFORM TO ASTM A536 GRADE 70-50-05
PAINT: CASTINGS ARE FURNISHED WITH A BLACK PAINT
LOCKING DEVICE AVAILABLE UPON REQUEST SEE DRAWING NO. 7001-110-185
*WEIGHT DOES NOT INCLUDE GRATE
FRAME WITH 18" BASE: APPROX. 123.50 LBS
FRAME WITH 24" BASE: APPROX. 130.00 LBS
FRAME WITH 30" BASE: APPROX. 115.50 LBS

THIS PRINT DISCLOSES SUBJECT MATTER IN WHICH NYLOPLAST HAS PROPRIETARY RIGHTS. THE RECEIPT OR POSSESSION OF THIS PRINT DOES NOT CONFER, TRANSFER, OR LICENSE THE USE OF THE DESIGN OR TECHNICAL INFORMATION SHOWN HEREIN
REPRODUCTION OF THIS PRINT OR ANY INFORMATION CONTAINED HEREIN, OR MANUFACTURE OF ANY ARTICLE HEREFROM, FOR THE DISCLOSURE TO OTHERS IS FORBIDDEN, EXCEPT BY SPECIFIC WRITTEN PERMISSION FROM NYLOPLAST.
©2013 NYLOPLAST

DRAWN BY	EBC	MATERIAL	DUCTILE IRON
DATE	03-02-06		
REVISED BY	NMH	PROJECT NO./NAME	
DATE	7-26-18		
DWG SIZE	A	SCALE 1:10 SHEET 1 OF 1	

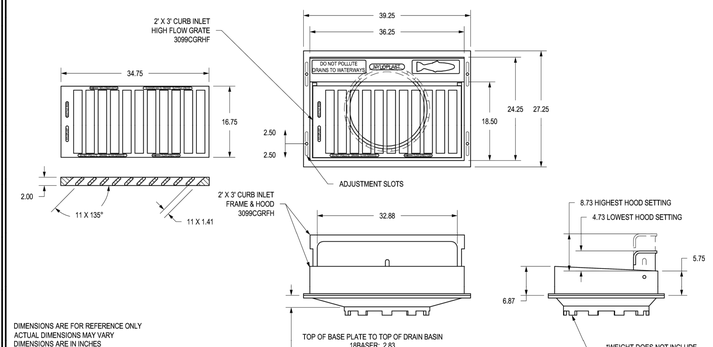
Nyloplast — 3130 VERONA AVE, BUFORD, GA 30518, PHN (770) 932-2443, FAX (770) 932-2490, www.nyloplast-us.com

TITLE: 2 FT X 3 FT ROAD & HIGHWAY 2 PIECE GRATE ASSEMBLY

DWG NO. 7001-110-226 REV E

3099CGRHF & 3099CGRFH

APPROX. GRATE DRAIN AREA = 327.25 SQ IN
*APPROX. WEIGHT WITH FRAME & HOOD = 354.50 LBS



TOP OF BASE PLATE TO TOP OF DRAIN BASIN
18BASER: 2.83
24BASER: 2.83
30BASER: .44

*WEIGHT DOES NOT INCLUDE DUCTILE IRON BASE PLATE
18BASER: APPROX. 133.50 LBS
24BASER: APPROX. 122.00 LBS
30BASER: APPROX. 92.50 LBS

DIMENSIONS ARE FOR REFERENCE ONLY
ACTUAL DIMENSIONS MAY VARY
DIMENSIONS ARE IN INCHES
GRATE MEETS H-20 LOAD RATING
QUALITY: MATERIALS SHALL CONFORM TO ASTM A536 GRADE 70-50-05
PAINT: CASTINGS ARE FURNISHED WITH A BLACK PAINT
LOCKING DEVICE AVAILABLE UPON REQUEST SEE DRAWING NO. 7002-110-058
SLOPE OF GRATE SURFACE IS 5.2%
CURB INLET FRAME INSIDE VOLUME IS APPROX 2.73 CU FT
APPROX. DRAIN AREA OF GRATE & HOOD
LOWEST SETTING = 453.92 SQ IN
LOWEST + 1" SETTING = 496.79 SQ IN
LOWEST + 2" SETTING = 529.67 SQ IN
LOWEST + 3" SETTING = 562.54 SQ IN
HIGHEST SETTING = 595.42 SQ IN

THIS PRINT DISCLOSES SUBJECT MATTER IN WHICH NYLOPLAST HAS PROPRIETARY RIGHTS. THE RECEIPT OR POSSESSION OF THIS PRINT DOES NOT CONFER, TRANSFER, OR LICENSE THE USE OF THE DESIGN OR TECHNICAL INFORMATION SHOWN HEREIN
REPRODUCTION OF THIS PRINT OR ANY INFORMATION CONTAINED HEREIN, OR MANUFACTURE OF ANY ARTICLE HEREFROM, FOR THE DISCLOSURE TO OTHERS IS FORBIDDEN, EXCEPT BY SPECIFIC WRITTEN PERMISSION FROM NYLOPLAST.
©2013 NYLOPLAST

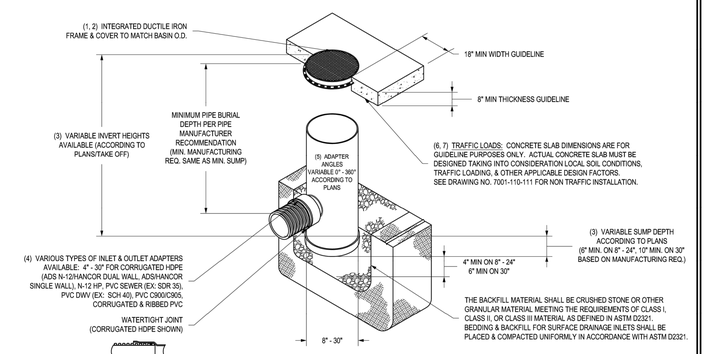
DRAWN BY	EBC	MATERIAL	DUCTILE IRON
DATE	04-10-06		
REVISED BY	CCA	PROJECT NO./NAME	
DATE	09-05-13		
DWG SIZE	A	SCALE 1:16 SHEET 1 OF 1	

Nyloplast — 3130 VERONA AVE, BUFORD, GA 30518, PHN (770) 932-2443, FAX (770) 932-2490, www.nyloplast-us.com

TITLE: 2 FT X 3 FT CURB INLET HIGH FLOW GRATE ASSEMBLY

DWG NO. 7002-110-047 REV D

NYLOPLAST DRAIN BASIN WITH SOLID COVER



1 - 8" - 30" SOLID COVERS SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05.
2 - 12" - 30" FRAMES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05.
8" & 10" SOLID COVERS FIT DIRECTLY ONTO DRAIN BASINS WITH THE USE OF A PVC BODY TOP. SEE DRAWING NO. 7001-110-045.
3 - DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS. RISERS ARE NEEDED FOR BASINS OVER 84" DUE TO SHIPPING RESTRICTIONS. SEE DRAWING NO. 7001-110-065.
4 - DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE (ADS N-12/HANCOR DUAL WALL), N-12 HP, & PVC SEWER (4" - 24").
5 - ADAPTERS CAN BE MOUNTED ON ANY ANGLE 0° TO 360°. TO DETERMINE MINIMUM ANGLE BETWEEN ADAPTERS SEE DRAWING NO. 7001-110-012.
6 - 12" - 30" SOLID COVERS SHALL MEET H-20 LOAD RATING.
7 - 8" & 10" SOLID COVERS ARE RATED FOR LIGHT DUTY APPLICATIONS ONLY; NO CONCRETE COLLAR NEEDED FOR LIGHT DUTY RATING.

THIS PRINT DISCLOSES SUBJECT MATTER IN WHICH NYLOPLAST HAS PROPRIETARY RIGHTS. THE RECEIPT OR POSSESSION OF THIS PRINT DOES NOT CONFER, TRANSFER, OR LICENSE THE USE OF THE DESIGN OR TECHNICAL INFORMATION SHOWN HEREIN
REPRODUCTION OF THIS PRINT OR ANY INFORMATION CONTAINED HEREIN, OR MANUFACTURE OF ANY ARTICLE HEREFROM, FOR THE DISCLOSURE TO OTHERS IS FORBIDDEN, EXCEPT BY SPECIFIC WRITTEN PERMISSION FROM NYLOPLAST.
©2013 NYLOPLAST

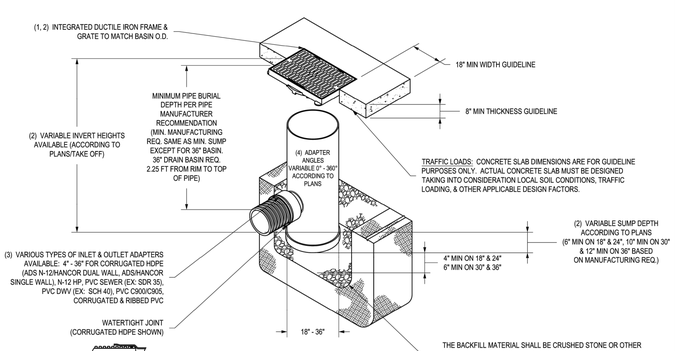
DRAWN BY	EBC	MATERIAL	
DATE	09-14-07		
REVISED BY	NMH	PROJECT NO./NAME	
DATE	03-11-16		
DWG SIZE	A	SCALE 1:40 SHEET 1 OF 1	

Nyloplast — 3130 VERONA AVE, BUFORD, GA 30518, PHN (770) 932-2443, FAX (770) 932-2490, www.nyloplast-us.com

TITLE: DRAIN BASIN WITH SOLID COVER QUICK SPEC INSTALLATION DETAIL

DWG NO. 7001-110-298 REV D

NYLOPLAST 2 FT X 3FT ROAD & HIGHWAY STRUCTURE: 32 _ _ AGR _ _ X



1 - 18" - 30" FRAMES & GRATES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05.
2 - DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS.
3 - DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE (ADS N-12/HANCOR DUAL WALL), N-12 HP, & PVC SEWER (4" - 36").
4 - ADAPTERS CAN BE MOUNTED ON ANY ANGLE 0° TO 360°. TO DETERMINE MINIMUM ANGLE BETWEEN ADAPTERS SEE DRAWING NO. 7001-110-012.
5 - ROAD & HIGHWAY GRATE SHALL BE BICYCLE SAFE AND MEET AASHTO M306 H-25 LOAD RATING.

THIS PRINT DISCLOSES SUBJECT MATTER IN WHICH NYLOPLAST HAS PROPRIETARY RIGHTS. THE RECEIPT OR POSSESSION OF THIS PRINT DOES NOT CONFER, TRANSFER, OR LICENSE THE USE OF THE DESIGN OR TECHNICAL INFORMATION SHOWN HEREIN
REPRODUCTION OF THIS PRINT OR ANY INFORMATION CONTAINED HEREIN, OR MANUFACTURE OF ANY ARTICLE HEREFROM, FOR THE DISCLOSURE TO OTHERS IS FORBIDDEN, EXCEPT BY SPECIFIC WRITTEN PERMISSION FROM NYLOPLAST.
©2013 NYLOPLAST

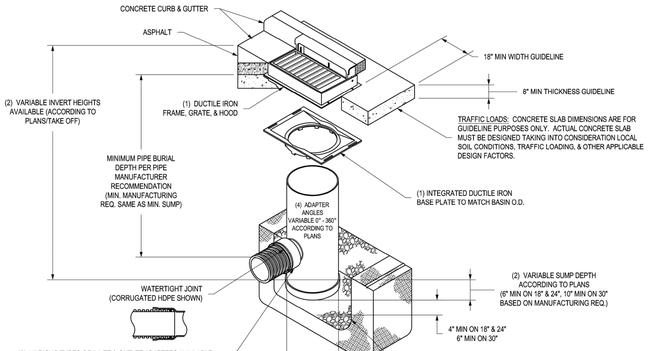
DRAWN BY	EBC	MATERIAL	
DATE	03-22-10		
APPD BY	NMH	PROJECT NO./NAME	
DATE	07-22-19		
DWG SIZE	A	SCALE 1:40 SHEET 1 OF 1	

Nyloplast — 3130 VERONA AVE, BUFORD, GA 30518, PHN (770) 932-2443, FAX (770) 932-2490, www.nyloplast-us.com

TITLE: DRAIN BASIN WITH 2 FT X 3 FT ROAD & HIGHWAY GRATE QUICK SPEC INSTALLATION DETAIL

DWG NO. 7001-110-393 REV E

NYLOPLAST 2 FT X 3FT CURB INLET STRUCTURE: 30 _ _ AGR _ _ X



1 - 18" - 30" FRAMES, GRATES, HOODS, & BASE PLATES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05.
2 - DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS.
3 - DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE (ADS N-12/HANCOR DUAL WALL), N-12 HP, & PVC SEWER (4" - 24").
4 - ADAPTERS CAN BE MOUNTED ON ANY ANGLE 0° TO 360°. TO DETERMINE MINIMUM ANGLE BETWEEN ADAPTERS SEE DRAWING NO. 7001-110-012.
5 - ALL CURB INLET GRATE OPTIONS (DIAGONAL & HIGH FLOW) SHALL MEET H-20 LOAD RATING

THIS PRINT DISCLOSES SUBJECT MATTER IN WHICH NYLOPLAST HAS PROPRIETARY RIGHTS. THE RECEIPT OR POSSESSION OF THIS PRINT DOES NOT CONFER, TRANSFER, OR LICENSE THE USE OF THE DESIGN OR TECHNICAL INFORMATION SHOWN HEREIN
REPRODUCTION OF THIS PRINT OR ANY INFORMATION CONTAINED HEREIN, OR MANUFACTURE OF ANY ARTICLE HEREFROM, FOR THE DISCLOSURE TO OTHERS IS FORBIDDEN, EXCEPT BY SPECIFIC WRITTEN PERMISSION FROM NYLOPLAST.
©2007 NYLOPLAST

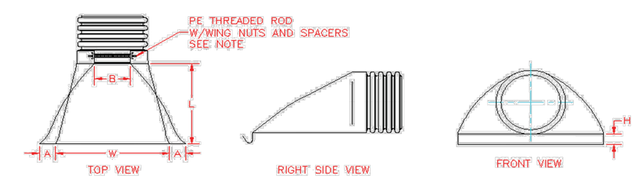
DRAWN BY	NMH	MATERIAL	
DATE	9-5-17		
APPD BY	NMH	PROJECT NO./NAME	
DATE	9-5-17		
DWG SIZE	A	SCALE 1:40 SHEET 1 OF 1	

Nyloplast — 3130 VERONA AVE, BUFORD, GA 30518, PHN (770) 932-2443, FAX (770) 932-2490, www.nyloplast-us.com

TITLE: DOUBLE 2 FT X 3 FT CURB INLET STRUCTURE USING DUCTILE IRON 36" X 80" BASE PLATE

DWG NO. 7002-110-123 A REV A

FLARED END SECTIONS



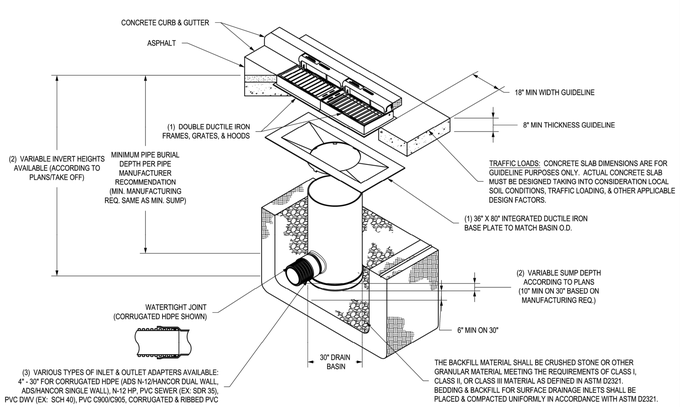
PART #	PIPE SIZE	A	B(MAX)	H	L	W
1015NP	10 in (250 mm)	3.8 in (95 mm)	10.0 in (254 mm)	6.5 in (165 mm)	28.0 in (711 mm)	34.5 in (876 mm)
1215NP	12 & 15 (300 & 375mm)	6.5 in (165 mm)	10.0 in (254 mm)	6.5 in (165 mm)	25.0 in (635 mm)	29.0 in (737 mm)
1810NP	18 in (450 mm)	7.5 in (191 mm)	15.0 in (381 mm)	6.5 in (165 mm)	32.0 in (813 mm)	35.0 in (889 mm)
2410NP	24 in (600 mm)	7.5 in (191 mm)	18.0 in (457 mm)	6.5 in (165 mm)	36.0 in (914 mm)	45.0 in (1143 mm)
3015NP	30 in (750 mm)	7.5 in (191 mm)	12.0 in (305 mm)	8.6 in (218 mm)	58.0 in (1473 mm)	63.0 in (1600 mm)
3615NP	36 in (900 mm)	7.5 in (191 mm)	25.0 in (635 mm)	8.6 in (218 mm)	58.0 in (1473 mm)	63.0 in (1600 mm)

NOTE: ALL DIMENSIONS ARE NOMINAL

ADS — ADVANCED DRAINAGE SYSTEMS, INC.

DRAWING #:	6070	
DRAWN BY:	JCB	01.17.07
APPROVED BY:	JCB	06.28.07
REVISIONS:	TJR	6/7/2016

NYLOPLAST DOUBLE 2 FT X 3FT CURB INLET STRUCTURE USING 36" X 80" DUCTILE IRON BASE PLATE



1 - FRAMES, GRATES, HOODS, & BASE PLATES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05.
2 - DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS.
3 - DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE (ADS N-12/HANCOR DUAL WALL), N-12 HP, & PVC SEWER (4" - 24").
4 - ADAPTERS CAN BE MOUNTED ON ANY ANGLE 0° TO 360°. TO DETERMINE MINIMUM ANGLE BETWEEN ADAPTERS SEE DRAWING NO. 7001-110-012.
5 - ALL CURB INLET GRATE OPTIONS (DIAGONAL & HIGH FLOW) SHALL MEET H-20 LOAD RATING

THIS PRINT DISCLOSES SUBJECT MATTER IN WHICH NYLOPLAST HAS PROPRIETARY RIGHTS. THE RECEIPT OR POSSESSION OF THIS PRINT DOES NOT CONFER, TRANSFER, OR LICENSE THE USE OF THE DESIGN OR TECHNICAL INFORMATION SHOWN HEREIN
REPRODUCTION OF THIS PRINT OR ANY INFORMATION CONTAINED HEREIN, OR MANUFACTURE OF ANY ARTICLE HEREFROM, FOR THE DISCLOSURE TO OTHERS IS FORBIDDEN, EXCEPT BY SPECIFIC WRITTEN PERMISSION FROM NYLOPLAST.
©2007 NYLOPLAST

DRAWN BY	NMH	MATERIAL	
DATE	9-5-17		
APPD BY	NMH	PROJECT NO./NAME	
DATE	9-5-17		
DWG SIZE	A	SCALE 1:40 SHEET 1 OF 1	

Nyloplast — 3130 VERONA AVE, BUFORD, GA 30518, PHN (770) 932-2443, FAX (770) 932-2490, www.nyloplast-us.com

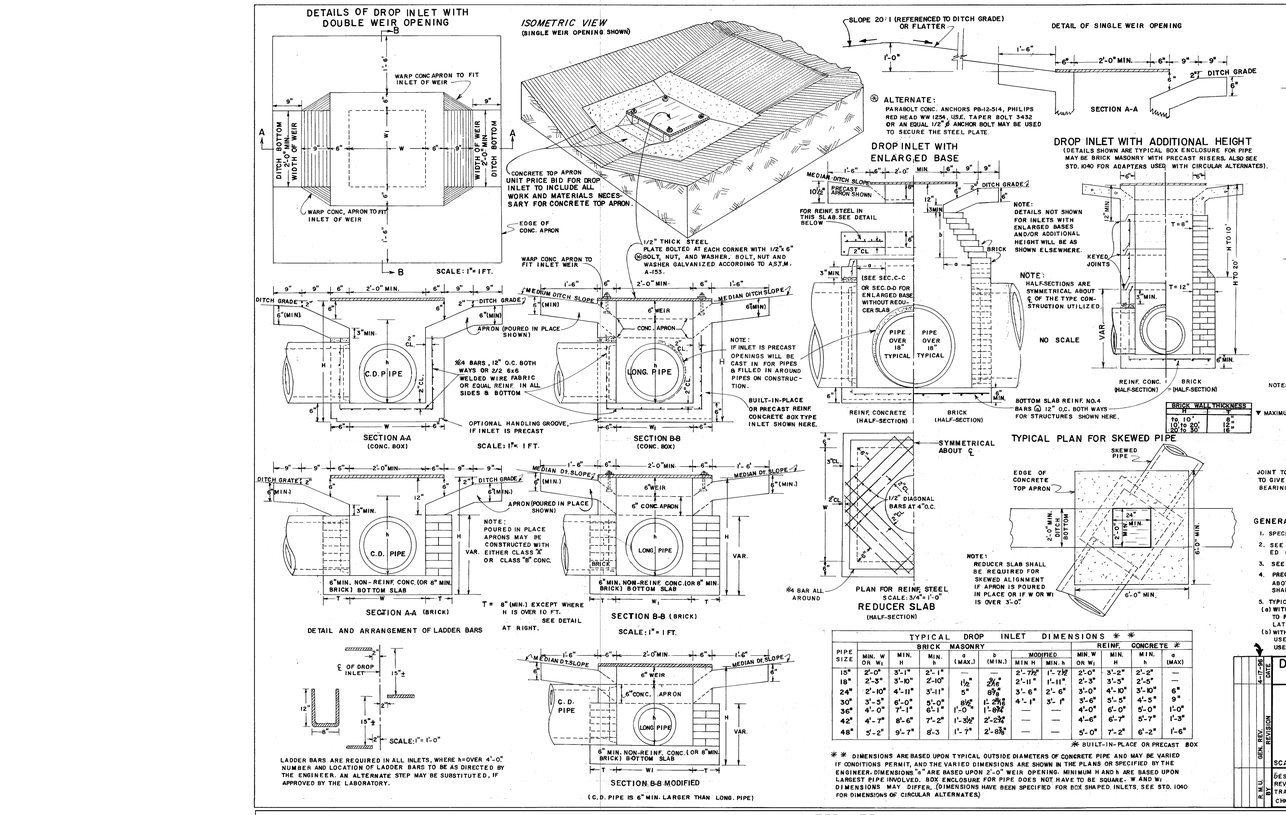
TITLE: DOUBLE 2 FT X 3 FT CURB INLET STRUCTURE USING DUCTILE IRON 36" X 80" BASE PLATE

DWG NO. 7002-110-123 A REV A

GEORGIA 811 Utilities Protection Center, Inc.
Know what's below. Call before you dig.

H:\6416\6416cp.dwg Aug 28, 2024 - 3:52pm

		BY	DATE



STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

NO.	REVISIONS	BY	DATE

HARKLEROAD PROJECT 6416

Carter ◆ Harkleroad Group
94 E. CROGAN STREET, SUITE 100, LAWRENCEVILLE, GA 30046
(770) 982-1996
DONALD W. HARKLEROAD & ASSOCIATES, INC.
COA No. PEF000295, LSF000260 | EXPIRATION: 6-30-2024

GSWCC LEVEL II CERT. NO 10875

GEORGIA REGISTERED PROFESSIONAL ENGINEER TRISA CARTER

08-30-24

THESE PLANS ARE SUBJECT TO FEDERAL COPYRIGHT LAWS. ANY USE OF SAME WITHOUT THE EXPRESSED WRITTEN PERMISSION OF RACETRAC INC. IS PROHIBITED.

RACEWAY

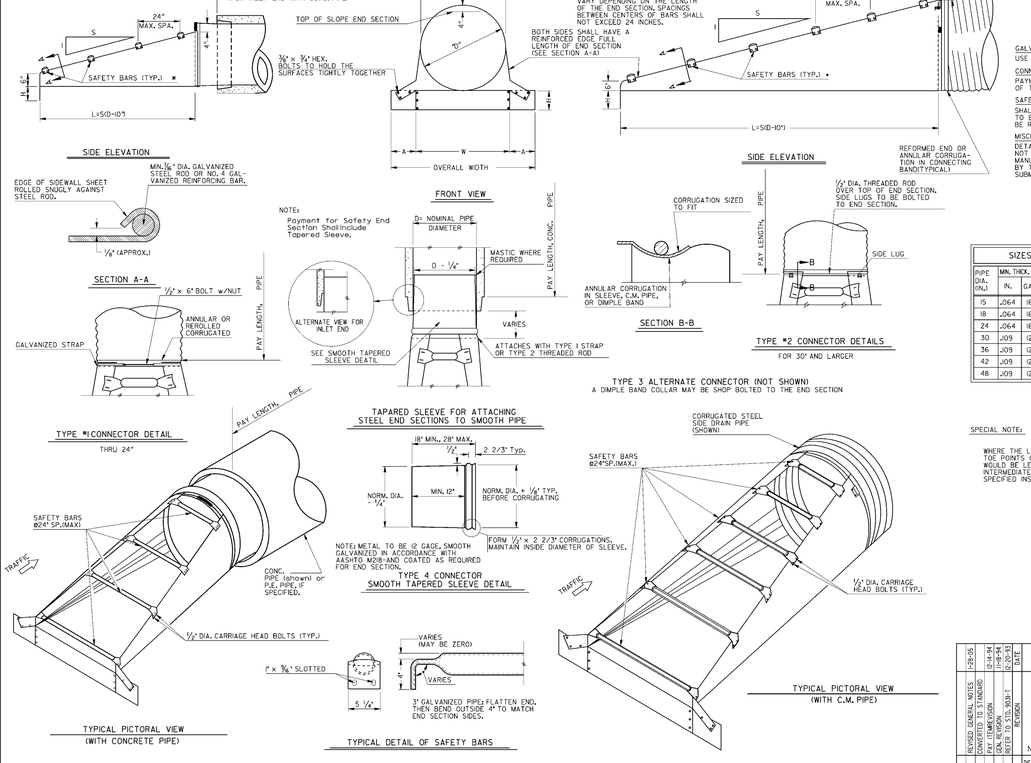
RACETRAC, INC.
200 GALLERIA PARKWAY S.E., SUITE 900
SUITE 100 ATLANTA, GA.30339
(770) 431-7600

DRAINAGE DETAILS

RACEWAY EDO 1633

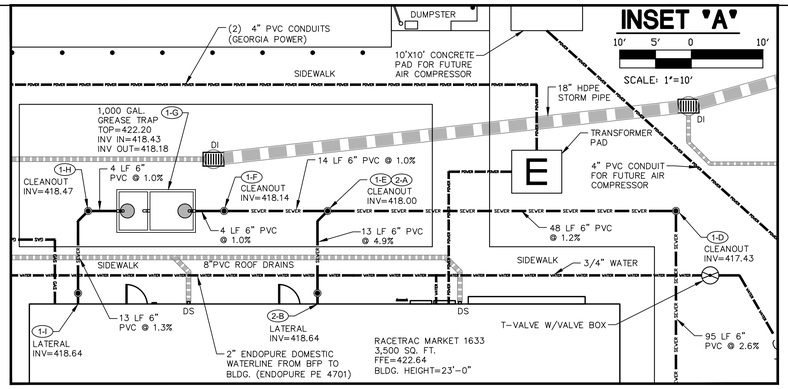
500 MERIWETHER ROAD
LAND LOT 185, 2ND DISTRICT
38TH GEORGIA MILITIA DISTRICT
BALDWIN COUNTY, GEORGIA

DATE	08/30/2024
SCALE	N.T.S.
DRAWN BY	RD
DRAWING NAME:	6416cp.dwg
SHEET NO.	C6.4
REVISION	



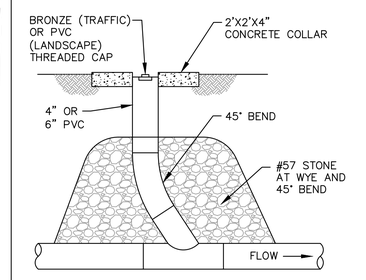
GEORGIA 811
Utilities Protection Center, Inc.
Know what's below. Call before you dig.

H:\6416\6416cp.dwg Aug 29, 2024 - 3:53pm



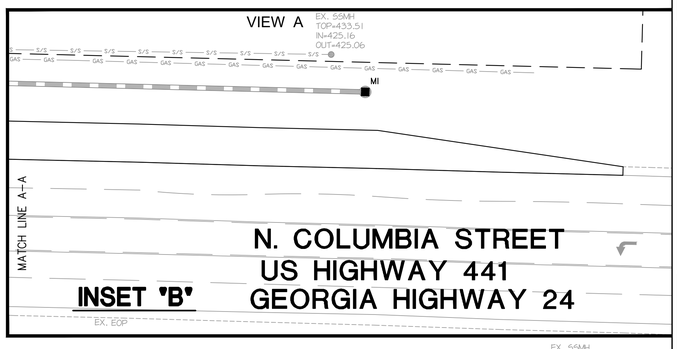
NOW OR FORMERLY
FELLOWSHIP MILLEDGEVILLE IL, LLC
2902 N. COLUMBIA STREET
DB 1519 PG 587
TAX ID 084 002F
NO CURRENT ZONING

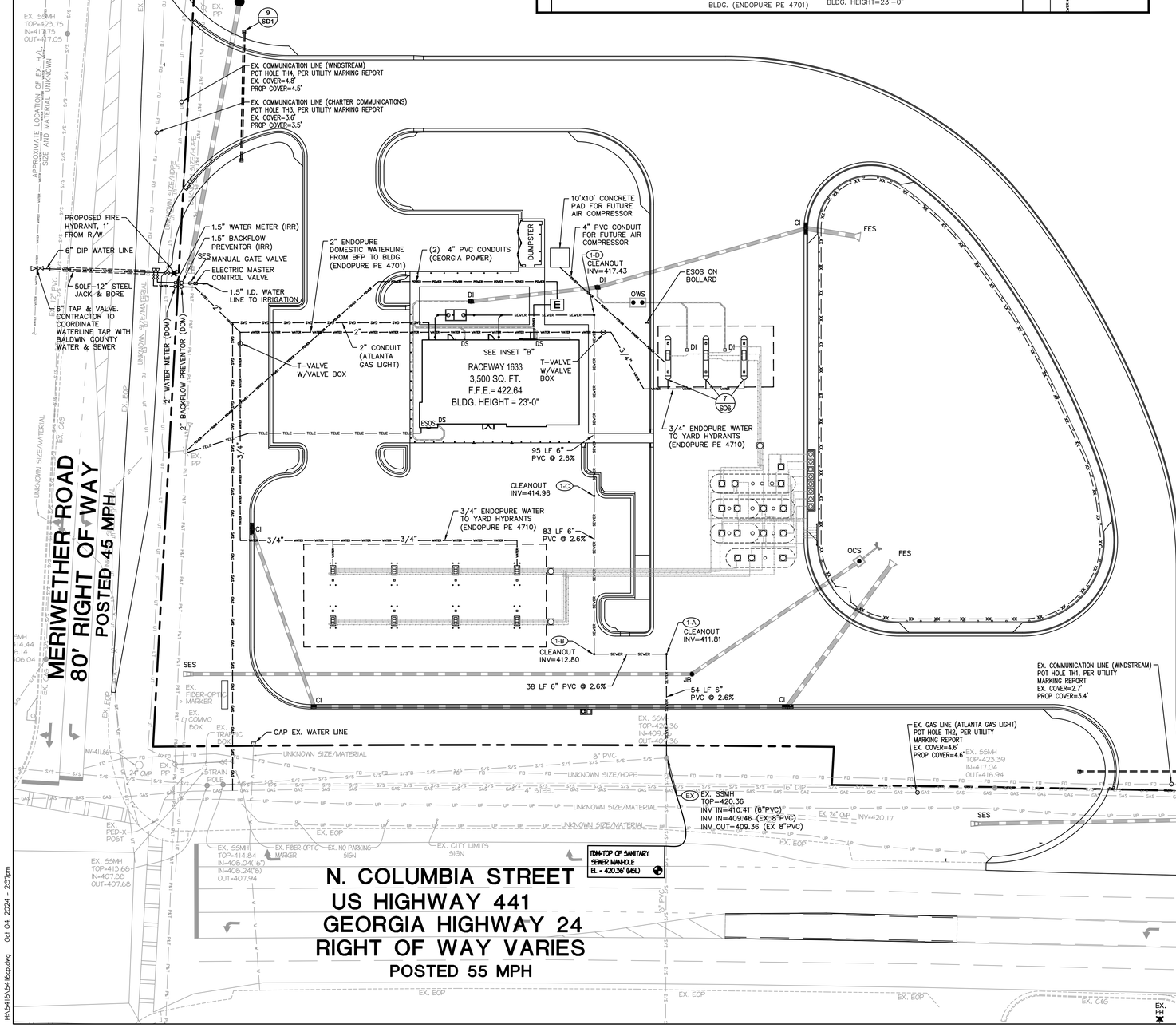
SANITARY SEWER CLEAN OUT DETAIL



UTILITY NOTES:

1. THE UTILITIES SHOWN ARE SHOWN FOR THE CONTRACTOR'S CONVENIENCE ONLY. THERE MAY BE OTHER UTILITIES NOT SHOWN ON THESE PLANS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATIONS OF ALL UTILITIES WITHIN THE LIMITS OF THE WORK. ALL DAMAGE MADE TO EXISTING UTILITIES BY THE CONTRACTOR SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
2. GRAVITY SEWER BY BALDWIN COUNTY WATER & SEWER.
3. ALL PIPE MEASUREMENTS ARE TAKEN FROM THE CENTER OF STRUCTURE TO CENTER OF STRUCTURE.
4. ALL MANHOLES AND UTILITY STRUCTURES LOCATED IN PAVED AREAS TO BE ADJUSTED TO FINISH GRADE, AND TRAFFIC RATED FOR H-20 LOADING.
5. PRIVATE SANITARY SEWER DUCTILE IRON PIPE (DIP) SHALL BE MANUFACTURED IN ACCORDANCE WITH ANSI/AWWA C151/A21.5, AND SHALL BE PRESSURE CLASS 350 UNLESS SHOWN OTHERWISE. PIPE AND FITTINGS SHALL BE CEMENT LINED IN ACCORDANCE WITH ANSI/AWWA C104/A21.4. PIPE AND FITTINGS SHALL BE FURNISHED WITH A BITUMINOUS OUTSIDE COATING IN ACCORDANCE WITH ANSI/AWWA C151/A21.51. JOINTS SHALL BE PUSH-ON TYPE PIPE, AND CONFORM TO ANSI/AWWA C111/A21.11.
6. PRIVATE SANITARY SEWER POLYVINYL CHLORIDE (PVC) PIPE AND FITTINGS SHALL BE MANUFACTURED IN ACCORDANCE WITH ASTM D3034, SDR 26. JOINTS SHALL BE OF THE INTEGRAL BELL AND SPIGOT TYPE WITH A CONFINED ELASTOMETRIC GASKETS MEETING THE REQUIREMENTS OF ASTM D3212; GASKETS SHALL MEET THE REQUIREMENTS OF ASTM F477.
7. INSTALL PRIVATE SANITARY SEWER IN CLASS "B" BEDDING.
8. WATER SUPPLY BY THE BALDWIN COUNTY WATER & SEWER.
9. UNLESS NOTED OTHERWISE, PRIVATE DOMESTIC WATER PIPE MATERIAL TO BE TYPE "K" COPPER MANUFACTURED AND FURNISHED IN ACCORDANCE WITH ASTM B88. FITTINGS SHALL BE OF THE COMPRESSION PACK-JOINT COUPLING TYPE. SMALL ROUGH BRASS FITTINGS SHALL BE IN ACCORDANCE WITH ANSI B16.15, WITH FEDERAL SPECIFICATIONS WW-P-460 AND A-A-59617. BRONZE FITTINGS AND APPURTENANCES SHALL BE IN ACCORDANCE WITH ASTM B62 FOR CONSTRUCTION AND AWWA C800 FOR THREADS. WATER LINE SHALL HAVE A MINIMUM 3' COVER.
10. REFERENCE IRRIGATION PLANS FOR PRIVATE IRRIGATION WATER LINE MATERIALS AND INSTALLATION SPECIFICATIONS.
11. POWER SUPPLY BY GEORGIA POWER.
12. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING ALL NECESSARY POWER CONDUIT AND PULL WIRE ON SITE. THE CONTRACTOR SHALL COORDINATE THE INSTALLATION OF THE SERVICE LINES WITH THE POWER COMPANY.
13. CONTRACTOR SHALL PROVIDE TRANSFORMER PAD (UNLESS TRANSFORMER IS POLE MOUNTED) TO ALLOW FOR INSTALLATION OF TRANSFORMER BY THE POWER COMPANY.
14. COMMUNICATION SERVICE BY WINDSTREAM.
15. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING ALL NECESSARY COMMUNICATION CONDUIT AND PULL WIRE ON SITE. THE CONTRACTOR SHALL COORDINATE THE INSTALLATION OF THE SERVICE LINES WITH THE COMMUNICATION COMPANY.
16. THE CONTRACTOR SHALL REFER TO THE ARCHITECTURAL PLANS AND SPECIFICATIONS FOR THE ACTUAL LOCATIONS OF ALL UTILITY ENTRANCES. THE CONTRACTOR SHALL COORDINATE THE INSTALLATION OF THE UTILITIES IN SUCH A MANNER AS TO AVOID CONFLICTS AND ASSURE PROPER DEPTHS ARE ACHIEVED AS WELL AS COORDINATING WITH THE UTILITY PROVIDER REQUIREMENTS AS TO LOCATIONS AND SCHEDULING FOR TIE-INS/CONNECTIONS PRIOR TO CONNECTING TO EXISTING FACILITIES.





NO.	DESCRIPTION	BY	DATE
2	ADDRESS CRM COMMENTS ADDRESS RACETRAC PRM, ISSWDS, GDOT & COUNTY COMMENTS	RD RD	10-04-24 09-30-24

HARKLEROAD PROJECT 6416

Carter ◆ Harkleroad Group
94 E. CROGAN STREET, SUITE 100, LAWRENCEVILLE, GA 30046
(770) 982-1996
DONALD W. HARKLEROAD & ASSOCIATES, INC.
COA No. PEF000295, LSF000260 EXPIRATION: 6-30-2026

GSWCC LEVEL II CERT. NO 10875

GEORGIA REGISTERED No. 27 PROFESSIONAL ENGINEER CHRIS A. CARTER

10-04-24

THESE PLANS ARE SUBJECT TO FEDERAL COPYRIGHT LAWS. ANY USE OF SAME WITHOUT THE EXPRESSED WRITTEN PERMISSION OF RACETRAC INC. IS PROHIBITED.

RACEWAY

RACETRAC, INC.
200 GALLERIA PARKWAY S.E., SUITE 900
SUITE 100 ATLANTA, GA.30339
(770) 431-7600

UTILITY PLAN

RACEWAY EDO 1633
500 MERIWETHER ROAD
LAND LOT 185, 2ND DISTRICT
38TH GEORGIA MILITIA DISTRICT
BALDWIN COUNTY, GEORGIA

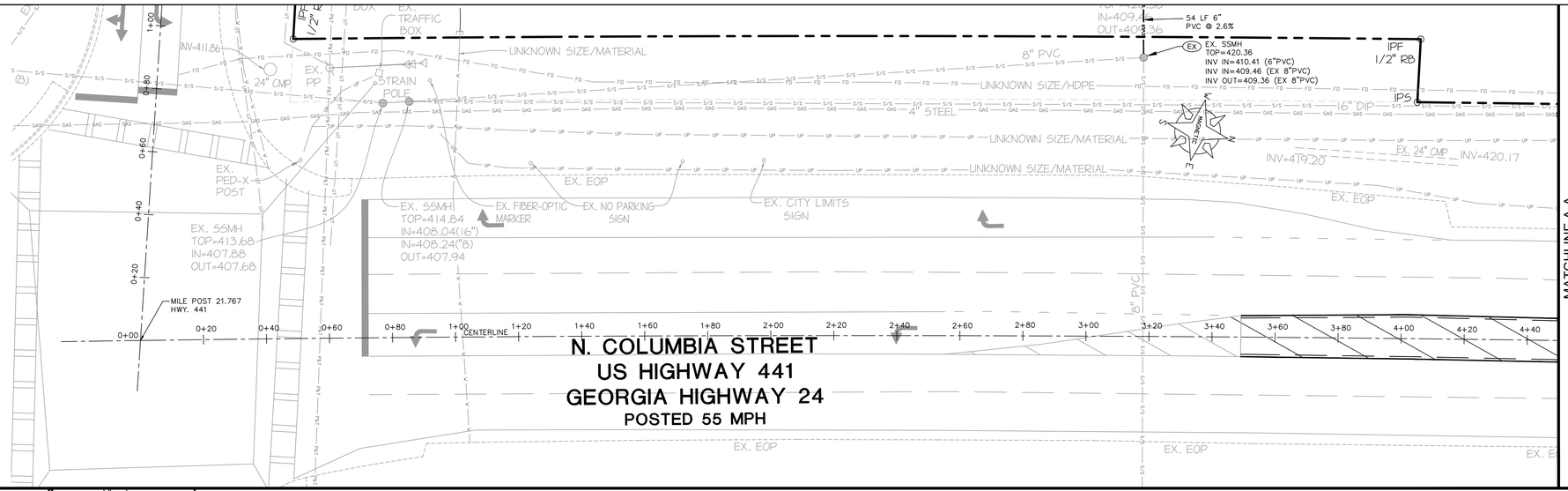
DATE	08/30/2024
SCALE	1"=30'
DRAWN BY	RD
DRAWING NAME: 6416cp.dwg	
C7.0	2
SHEET NO.	REVISION

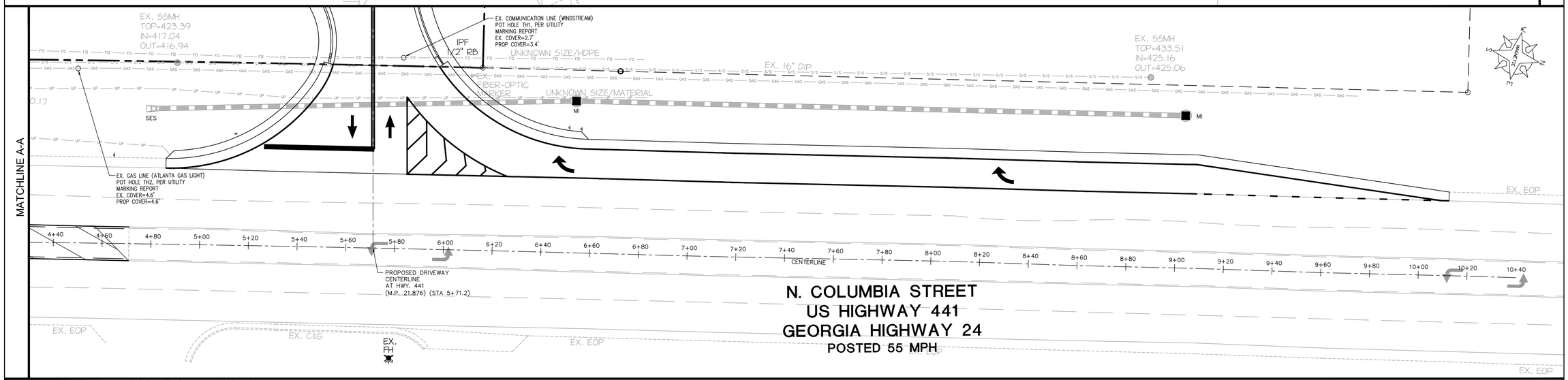
GEORGIA811 Utilities Protection Center, Inc. Know what's below. Call before you dig.

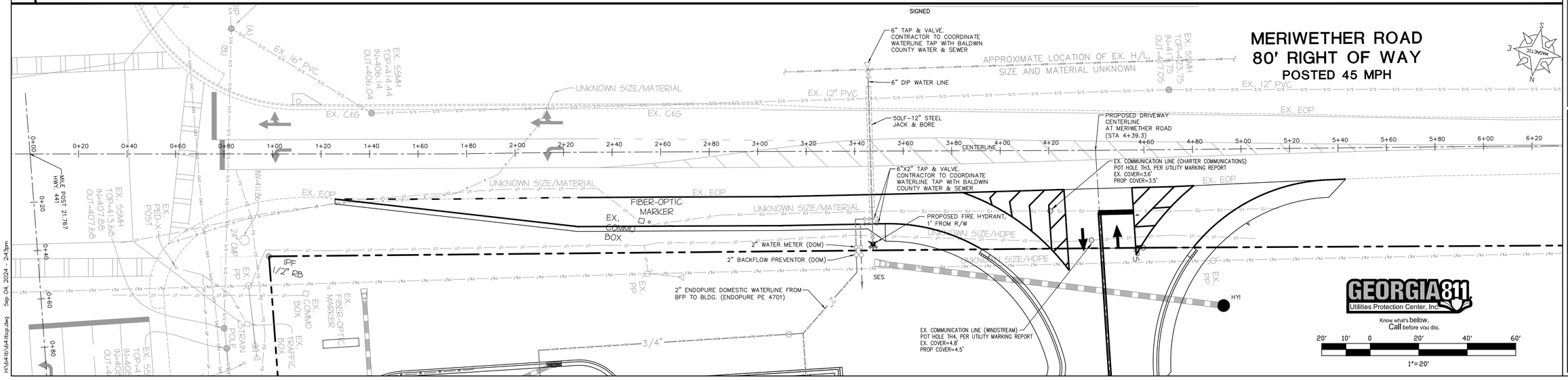
H:\6416\6416cp.dwg Oct 04, 2024 - 2:37pm

GDOT UTILITY NOTES:

1. ALL UTILITIES RELOCATED AND/OR NEWLY INSTALLED ON THE STATE ROUTE R/W MUST BE PERMITTED THROUGH GEORGIA UTILITIES PERMITTING SYSTEM (GUPS).
2. ALL UTILITIES RELOCATED AND/OR NEWLY INSTALLED SHALL BE IN ACCORDANCE WITH THE "UTILITY ACCOMMODATIONS POLICY AND STANDARDS MANUAL 2016 EDITION".
3. ALL WATER METERS AND BACK FLOW DEVICES ARE TO BE PLACED OFF GDOT R/W.
4. WHEN EXCAVATION WORK IS BEING DONE NEAR ANY UTILITY, THE OWNER SHALL BE NOTIFIED PRIOR TO EXCAVATION.
5. THE CONTRACTOR/INSTALLER SHALL ADHERE TO THE GEORGIA UTILITIES PROTECTION CENTER'S "GEORGIA 811 CALL BEFORE YOU DIG" LAW BY CALLING THE UNDERGROUND PROTECTION CENTER AT 1.800.282.7411 OR 811 48 HOURS PRIOR TO BEGINNING ANY GROUND DISTURBING ACTIVITIES.







NO.	REVISIONS	BY	DATE

HARKLEROAD PROJECT 6416

Carter ◆ Harkleroad Group

94 E. CROGAN STREET, SUITE 100, LAWRENCEVILLE, GA 30046
(770) 982-1996

COA No. PEF000295, LSF000260 | DONALD W. HARKLEROAD & ASSOCIATES, INC. | EXPIRATION: 6-30-2026

GSWCC LEVEL II CERT. NO 10875

GEORGIA REGISTERED PROFESSIONAL ENGINEER TRISA CARTER

08-30-24

THESE PLANS ARE SUBJECT TO FEDERAL COPYRIGHT LAWS. ANY USE OF SAME WITHOUT THE EXPRESSED WRITTEN PERMISSION OF RACETRAC INC. IS PROHIBITED.

RACEWAY

RACETRAC, INC.
200 GALLERIA PARKWAY S.E., SUITE 900
SUITE 100 ATLANTA, GA.30339
(770) 431-7600

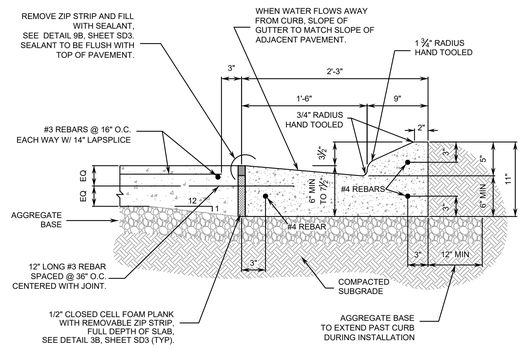
ROADWAY IMPROVEMENT UTILITY PLAN

RACEWAY EDO 1633

500 MERIWETHER ROAD
LAND LOT 185, 2ND DISTRICT
338TH GEORGIA MILITIA DISTRICT
BALDWIN COUNTY, GEORGIA

DATE	08/30/2024
SCALE	1"=20'
DRAWN BY	RD
DRAWING NAME: 6416cp.dwg	
C7.0G	
SHEET NO.	REVISION

H:\6416\6416cp.dwg Sep 04, 2024 - 2:43pm

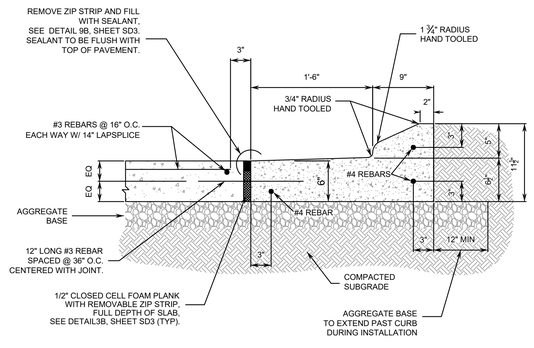


NOTES:

1. CURB CONSTRUCTION AND CONTRACTION JOINTS LOCATIONS NOT TO EXCEED 10 FEET.
2. SAWCUT CONTRACTION JOINTS 1/8" WIDE BY 1-1/2" DEEP AS SOON AS CONCRETE HAS HARDENED SUFFICIENTLY TO PREVENT RAVELING OR DISLODGING OF AGGREGATES.
3. SAWCUT CONSTRUCTION JOINTS 1/8" WIDE BY 1" DEEP, SIMILAR TO DETAIL 9A, SHEET SD3.
4. VERIFY JOINT LOCATIONS WITH THE OWNER'S REPRESENTATIVE.

1 SD1 CATCH CURB DETAIL @ CONCRETE SLAB

NTS

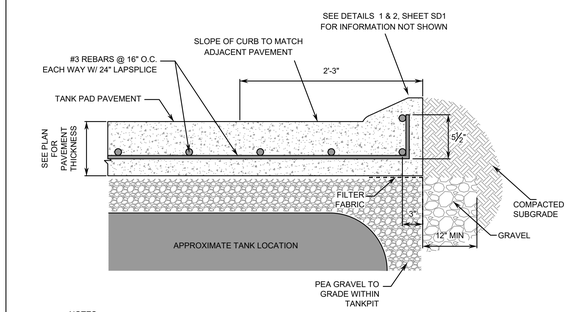


NOTES:

1. CURB CONSTRUCTION AND CONTRACTION JOINTS LOCATIONS NOT TO EXCEED 10 FEET.
2. SAWCUT CONTRACTION JOINTS 1/8" WIDE BY 1-1/2" DEEP AS SOON AS CONCRETE HAS HARDENED SUFFICIENTLY TO PREVENT RAVELING OR DISLODGING OF AGGREGATES.
3. SAWCUT CONSTRUCTION JOINTS 1/8" WIDE BY 1" DEEP, SIMILAR TO DETAIL 9A, SHEET SD3.
4. VERIFY JOINT LOCATIONS WITH THE OWNER'S REPRESENTATIVE.
5. USE THIS DETAIL WHEN ADJACENT PAVEMENT SLOPES AWAY FROM CURBING.

2 SD1 SHED CURB DETAIL @ CONCRETE SLAB

NTS

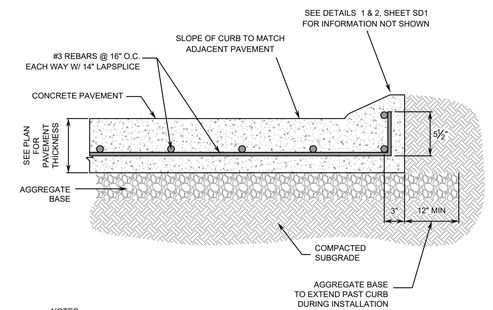


NOTES:

1. CURB CONSTRUCTION AND CONTRACTION JOINTS LOCATIONS NOT TO EXCEED 10 FEET.
2. SAWCUT CONTRACTION JOINTS 1/8" WIDE BY 1-1/2" DEEP AS SOON AS CONCRETE HAS HARDENED SUFFICIENTLY TO PREVENT RAVELING OR DISLODGING OF AGGREGATES.
3. SAWCUT CONSTRUCTION JOINTS 1/8" WIDE BY 1" DEEP, SIMILAR TO DETAIL 9A, SHEET SD3. VERIFY JOINT LOCATIONS WITH THE OWNER'S REPRESENTATIVE.
4. THIS CURB TYPE IS TO BE USED ALONG THE CURB LINE ADJACENT TO THE TANK PAVEMENT. SEE PLAN FOR LOCATION.

3 SD1 TANK AREA CURB DETAIL

NTS

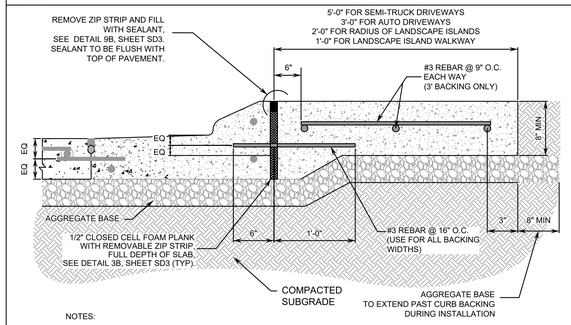


NOTES:

1. CURB CONSTRUCTION AND CONTRACTION JOINTS LOCATIONS NOT TO EXCEED 10 FEET.
2. SAWCUT CONTRACTION JOINTS 1/8" WIDE BY 1-1/2" DEEP AS SOON AS CONCRETE HAS HARDENED SUFFICIENTLY TO PREVENT RAVELING OR DISLODGING OF AGGREGATES.
3. SAWCUT CONSTRUCTION JOINTS 1/8" WIDE BY 1" DEEP, SIMILAR TO DETAIL 9A, SHEET SD3. VERIFY JOINT LOCATIONS WITH THE OWNER'S REPRESENTATIVE.
4. THIS CURB TYPE IS TO BE USED ALONG THE CURB LINE ADJACENT TO THE DRIVEWAY TRENCH DRAINS. SEE PLAN FOR LOCATIONS.

4 SD1 MONOLITHIC CURB DETAIL

NTS

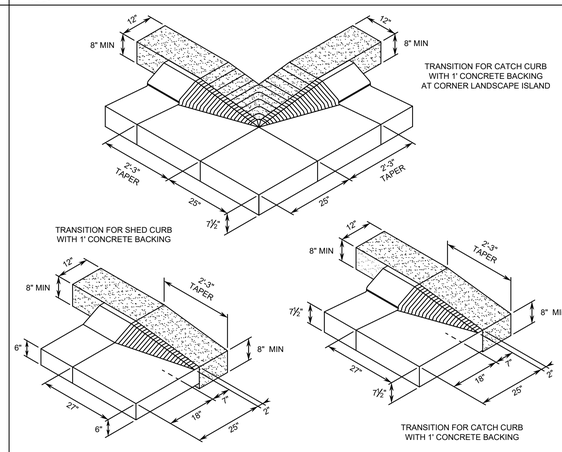


NOTES:

1. CURB CONSTRUCTION AND CONTRACTION JOINTS LOCATIONS NOT TO EXCEED 10 FEET.
2. SAWCUT CONTRACTION JOINTS 1/8" WIDE BY 1-1/2" DEEP AS SOON AS CONCRETE HAS HARDENED SUFFICIENTLY TO PREVENT RAVELING OR DISLODGING OF AGGREGATES.
3. SAWCUT CONSTRUCTION JOINTS 1/8" WIDE BY 1" DEEP. FILL JOINTS WITH PAVEMENT SEALANT PER DETAIL 3B, SHEET SD3. VERIFY JOINT LOCATIONS WITH THE OWNER'S REPRESENTATIVE.
4. CURB BACKING WIDTHS:
   A. THREE (3) FOOT BACKING IS TO BE USED ALONG THE RADIUS OF DRIVEWAYS AND IS STRUCTURALLY REINFORCED WITH #3 REBARS @ 9" O.C. EACH WAY.
   B. TWO (2) FOOT BACKING IS TO BE USED ALONG THE RADIUS OF LANDSCAPE ISLANDS WITHIN HIGH TRAFFIC AREAS. TWO (2) FOOT BACKING IS NOT STRUCTURALLY REINFORCED.
   C. ONE (1) FOOT BACKING IS TO BE USED AS A PEDESTRIAN WALKWAY WITHIN LANDSCAPE ISLANDS. ONE (1) FOOT BACKING IS NOT STRUCTURALLY REINFORCED.
5. SEE PAVING PLAN FOR EXACT LOCATIONS OF CURB BACKING.

5 SD1 CONCRETE BACKING FOR ON-SITE CURB

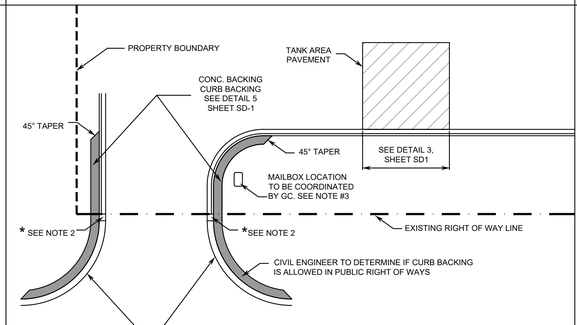
NTS



SEE SITE PLAN FOR EXACT LOCATIONS

6 SD1 CURB TRANSITION DETAILS

NTS

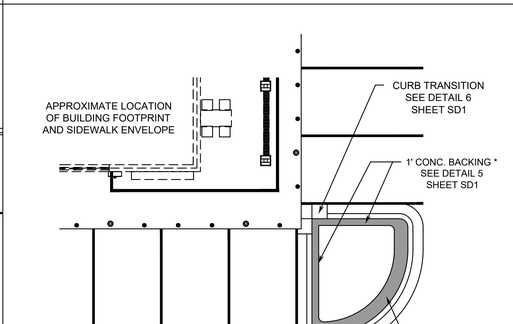


NOTES:

1. REFER TO "SITE PLAN" FOR EXACT LOCATIONS OF THE DIFFERING CURB TYPES.
2. * = RACETRAC CONSTRUCTION PROJECT MANAGER TO COORDINATE WITH CONCRETE SUBCONTRACTOR TO DETERMINE BEST TRANSITION METHOD BETWEEN DIFFERING CURB TYPES.
3. MAILBOX TO BE PROVIDED BY GC. INSTALL LOCATION TO BE COORDINATED BY GC WITH USPS

7 SD1 CURB LAYOUT PLAN VIEW

NTS



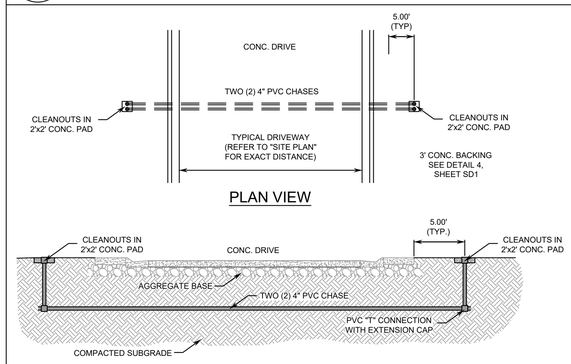
NOTES:

ALTERNATIVE SHERWIN WILLIAMS SETFAST CHLORINATED RUBBER ZONE MARKING PAINT SPEC. TM5127 LED-FREE. TO BE USED

1. REFER TO "SITE PLAN" FOR EXACT LOCATIONS OF THE DIFFERING CURB TYPES.
2. REFER TO SITE PLAN FOR EXACT LOCATIONS.

8 SD1 CONCRETE BACKING & AUTO COURT PAINT DETAIL

NTS



PLAN VIEW

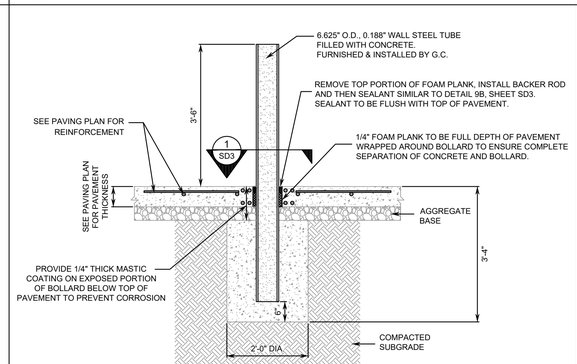
SECTION VIEW

NOTES:

1. PVC CHASE TO BE PLACED UNDER ALL DRIVEWAYS. REFER TO "SITE PLAN" FOR EXACT LOCATIONS.
2. CHASES ARE NOT TO BE USED FOR IRRIGATION INSTALLED WITH THIS DEVELOPMENT. IRRIGATION SLEEVES WILL BE SEPARATE.
3. REFER TO "UTILITY PLAN" AND IRRIGATION PLAN FOR IRRIGATION SLEEVE LOCATIONS.

9 SD1 PVC CHASE DETAIL

NTS

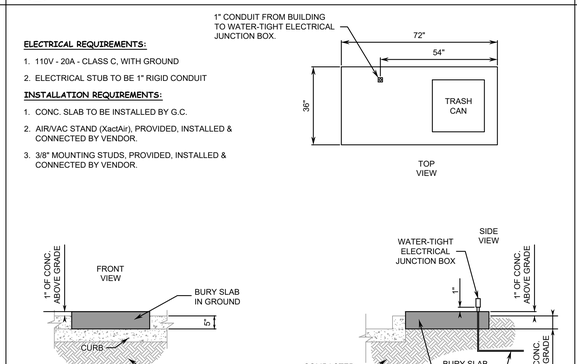


NOTES:

1. BUMPER POSTS TO BE PLUMB AND ALIGNED IN A STRAIGHT LINE AND FILLED WITH CONCRETE.
2. TOPS TO BE GROUND SMOOTH W/ SQUARE EDGE, THE PRIMED WITH "END RUST" BY DURO AND PAINTED WITH INDUSTRIAL OIL BASED ENAMEL. COLOR TO MATCH DECORATIVE LIGHT POLES.
3. REFER TO PAVING PLAN FOR EXACT CONCRETE THICKNESS.
4. REFER TO PAVING PLAN FOR CONCRETE COMPRESSIVE STRENGTH & SUBGRADE COMPACTION REQUIREMENTS.

10 SD1 CANOPY BOLLARD DETAIL

NTS



ELECTRICAL REQUIREMENTS:

1. 110V - 20A - CLASS C, WITH GROUND
2. ELECTRICAL STUB TO BE 1" RIGID CONDUIT

INSTALLATION REQUIREMENTS:

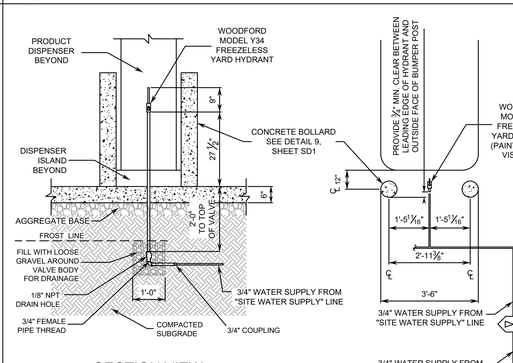
1. CONC. SLAB TO BE INSTALLED BY G.C.
2. AIR/VAC STAND (XactAir), PROVIDED, INSTALLED & CONNECTED BY VENDOR.
3. 3/8" MOUNTING STUDS, PROVIDED, INSTALLED & CONNECTED BY VENDOR.

NOTES:

1. SECURE VAULT TO PAD W/ TWO (2) 29-00450 ANGLE BRACKETS AND FOUR (4) ½"Ø x 4" SIMPSON TITAN HD SCREWTYPE ANCHORS (TYP.)
2. REFER TO PAVING PLAN FOR EXACT CONCRETE THICKNESS.
3. REFER TO PAVING PLAN FOR CONCRETE COMPRESSIVE STRENGTH & SUBGRADE COMPACTION REQUIREMENTS.

11 SD1 AIR/VAC SERVICE DETAIL

NTS



SECTION VIEW

PLAN VIEW

NOTES:

1. SEE "SITE PLAN" FOR EXACT LOCATIONS.
2. REFER TO PAVING PLAN FOR EXACT CONCRETE THICKNESS.
3. REFER TO PAVING PLAN FOR CONCRETE COMPRESSIVE STRENGTH & SUBGRADE COMPACTION REQUIREMENTS.

12 SD1 YARD HYDRANT DETAIL

NTS

NO.	DATE

THESE PLANS ARE SUBJECT TO FEDERAL COPYRIGHT LAWS; ANY USE OF SAME WITHOUT THE EXPRESSED AND WRITTEN PERMISSION OF RACETRAC PETROLEUM, INC. IS PROHIBITED.

RaceTrac.

RACETRAC PETROLEUM, INC.
200 GALLERIA PARKWAY SE
SUITE 900 ATLANTA, GA 30339
(770) 431-7600

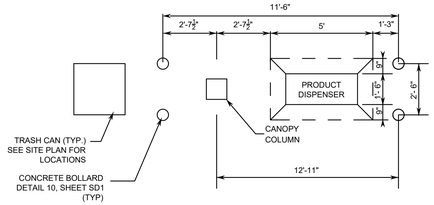
STANDARD DETAILS

RACETRAC MARKET 1635

500 MERIWEATHER ROAD
LAND LOT 185, 2ND DISTRICT
318TH GEORGIA MILITIA DISTRICT
BALDWIN COUNTY, GEORGIA

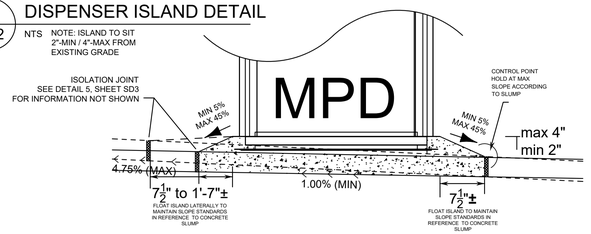
DRAWN-BY	KBEL
DATE	5/22/2024
SCALE	
DRAWING NAME:	RT Standard Details (2024).dwg
SD1	
SHEET NO.	VERSION

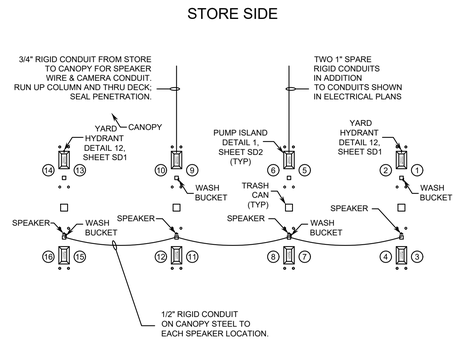
H:\5x8\40x54\6 RT Standard Details (2024).dwg Aug 28, 2024 - 11:20am



1 SD2 DISPENSER ISLAND DETAIL

NTS



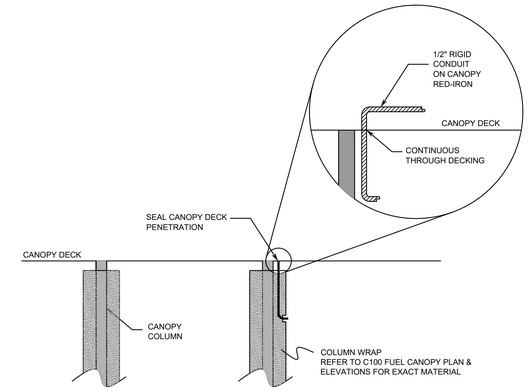


NOTES:

1. DOUBLE ROW OF FOUR (4) SINGLE COLUMN MPD'S.
2. SIXTEEN (16) FUELING POSITIONS.
3. REFER TO CANOPY PLANS FOR CANOPY DIMENSIONS AND COLUMN LOCATIONS.
4. CONDUIT TO BE DRILLED AND RUN THROUGH COLUMN

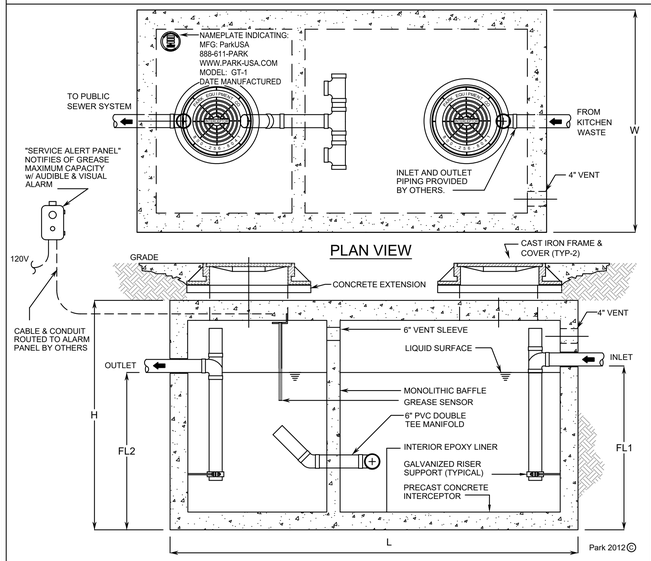
2 SD2 CANOPY ACCESSORIES LAYOUT

NTS



3 SD2 CONDUIT PENETRATION DETAIL

NTS



ELEVATION

TYPICAL APPLICATIONS INCLUDE COMMERCIAL AND INDUSTRIAL FOOD SERVICE KITCHENS WHERE EXCESSIVE GREASE MAY INTERFERE WITH THE PROPER DRAINAGE OF THE SEWER SYSTEM. THE GREASE INTERCEPTOR IS GENERALLY BURIED BELOW GRADE FOR GRAVITY FLOW SEWER SYSTEMS. A SAMPLE WELL IS UTILIZED ON THE OUTLET SIDE FOR SAMPLING BY THE LOCAL WATER AUTHORITY.

SPECIFICATIONS:

CONCRETE:

CLASS II CONCRETE WITH DESIGN STRENGTH OF 4500 PSI AT 28 DAYS. UNIT IS OF MONOLITHIC CONSTRUCTION AT FLOOR, FIRST STAGE OF WALL AND BAFFLE WITH SECTIONAL RISER TO REQUIRED DEPTH. (MONOLITHIC BAFFLE REQUIRED. SLIDE-IN TYPE IS NOT ACCEPTABLE).

REINFORCEMENTS:

GRADE 60 REINFORCEMENT WITH STEEL REBAR CONFORMING TO ASTM A615 ON REQUIRED CENTERS OR EQUAL.

C.I. CASTINGS:

MANHOLE FRAMES, COVERS OR GRATES ARE MANUFACTURED OF GRAY CAST IRON CONFORMING TO ASTM A48-76 CLASS 30. MANHOLE SHALL BE NOMINAL 24 INCH DIAMETER AND BE TRAFFIC DUTY.

GREASE INTERCEPTOR SCHEDULE								
MODEL NO.	CAPACITY USGAL	GREASE CAP. (LBS)	EMPTY WT (LBS)	LENGTH L	WIDTH W	HEIGHT H	INLET FL1	OUTLET FL2
GT-1500	1,500	3,500	16,050	9'-2"	5'-8"	7'-0"	5'-9"	5'-6"

OTHER SIZES ARE AVAILABLE. CONTACT RACETRAC FOR MORE INFORMATION.

ENGINEERING DATA:

THE GREASE INTERCEPTOR IS STRUCTURALLY & HYDRAULICALLY ENGINEERED TO CONFORM TO REGIONAL PLUMBING CODES RECOMMENDED IN MOST CITIES. CONSULT WITH LOCAL AUTHORITIES FOR SPECIFIC APPLICATION REQUIREMENTS.

SHOP DRAWINGS SHALL INCLUDE COMPLETE STRUCTURAL AND BUOYANCY CALCULATIONS CERTIFIED BY A LICENSED PROFESSIONAL ENGINEER.

CONSULT WITH PARK EQUIPMENT COMPANY FOR EXACT EXCAVATION DIMENSIONS & SHIPPING INFORMATION.

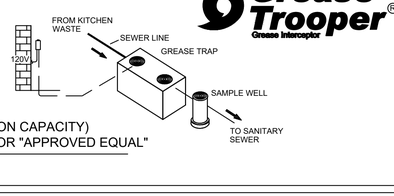
ANSI Z1000 · NPCA CERTIFIED PLANT · EPA · IAPMO MEMBER · ASPE MEMBER · ASTM C-1613

888.611.7275
www.park-usa.com
PARK USA
Design for Water

Grease Trooper® Grease Interceptor

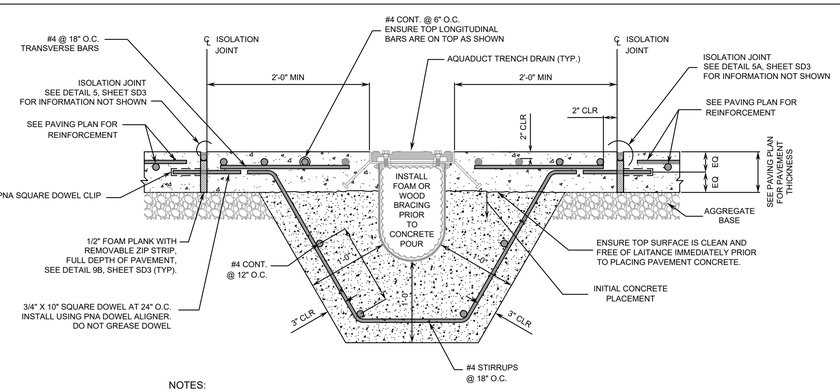
NOTE:

1. ENGINEER OF RECORD APPROVAL REQUIRED FOR "APPROVED EQUAL".



4 SD2 GREASE TRAP (1500 GALLON CAPACITY) & SAMPLE WELL DETAILS OR "APPROVED EQUAL"

NTS

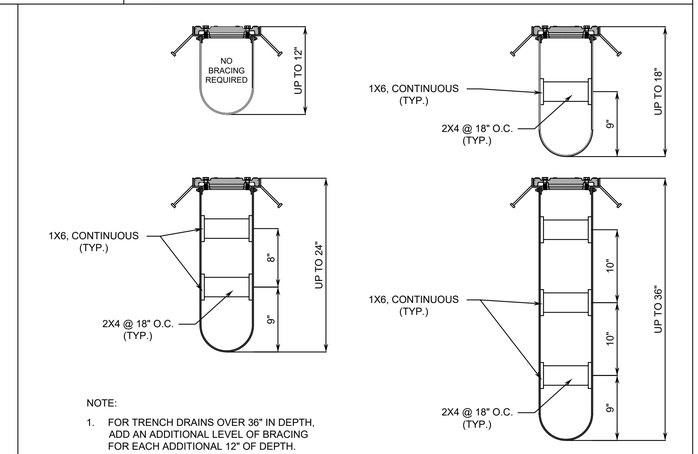


NOTES:

1. G.C. MUST READ INSTALLATION INSTRUCTIONS PRIOR TO INSTALLATION OF AQUADUCT TRENCH DRAIN.
2. REFER TO DETAIL 6, SHEET SD2 FOR BRACING RECOMMENDATIONS.
4. SOME PROJECTS MAY HAVE MULTIPLE TRENCH DRAINS ON SITE. (REFER TO "GRADING PLAN" FOR EXACT LOCATIONS.)
5. EACH TRENCH DRAIN IS INDIVIDUALLY DESIGNED AND SIZED BY AQUADUCT, INC. (REFERE TO DESIGN SPECS FOR EXACT SIZING.)

5 SD2 TYP. CONCRETE DETAIL FOR AQUADUCT TRENCH DRAIN

NTS



NOTE:

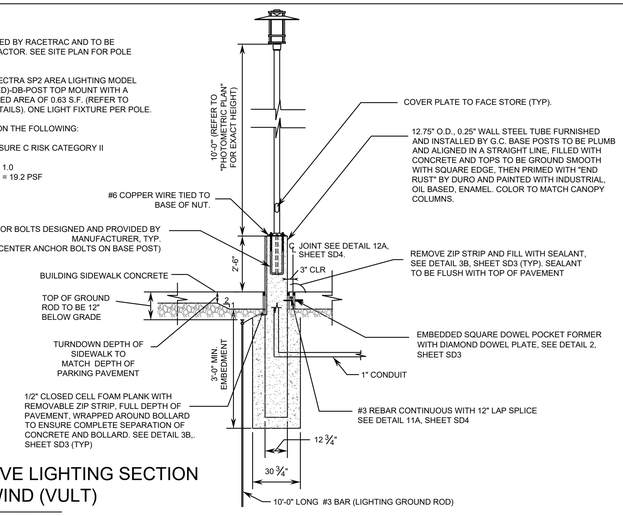
1. FOR TRENCH DRAINS OVER 36" IN DEPTH, ADD AN ADDITIONAL LEVEL OF BRACING FOR EACH ADDITIONAL 12" OF DEPTH.

6 SD2 AQUADUCT TRENCH DRAIN BRACING LAYOUT DETAILS

NTS

NOTES:

1. LIGHT POLES TO BE AAL PROVIDED BY RACETRAC AND TO BE INSTALLED BY GENERAL CONTRACTOR. SEE SITE PLAN FOR POLE LOCATIONS.
2. LIGHT FIXTURES TO BE AAL - SPECTRA SP2 AREA LIGHTING MODEL STR-Y4-2050 FCO-MOD (KB6-12LED)-DB-POST TOP MOUNT WITH A MAXIMUM EFFECTIVE PROJECTED AREA OF 0.63 S.F. (REFER TO "PHOTOMETRIC PLAN" FOR DETAILS). ONE LIGHT FIXTURE PER POLE.
3. WIND DESIGN CRITERIA BASED ON THE FOLLOWING:
   A. ASCE 7-10
   B. Vult=120 MPH WITH EXPOSURE C RISK CATEGORY II
   C. Vasd=93 MPH
   D. IMPORTANCE FACTOR I = 1.0
   E. DESIGN WIND PRESSURE = 19.2 PSF

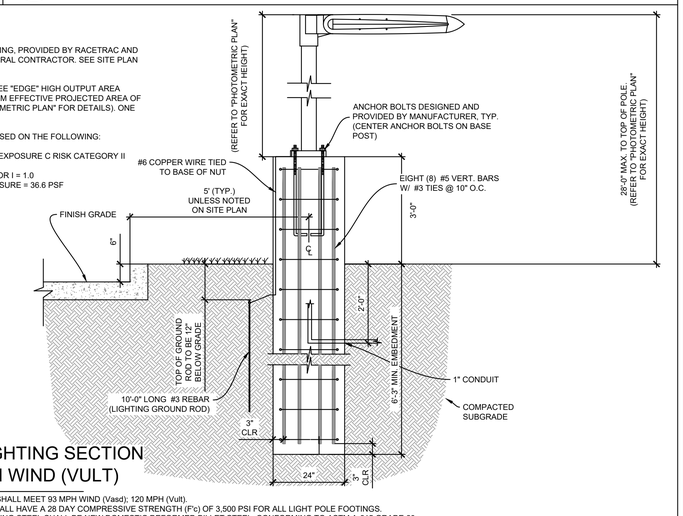


7 SD2 DECORATIVE LIGHTING SECTION 120 MPH WIND (VULT)

1. LIGHT POLES SHALL MEET 93 MPH WIND (Vasd); 120 MPH (Vult).
2. CONCRETE SHALL HAVE A 28 DAY COMPRESSIVE STRENGTH (F'c) OF 3,500 PSI FOR ALL LIGHT POLE FOOTINGS.
3. ALL REINFORCING STEEL SHALL BE NEW DOMESTIC DEFORMED BILLET STEEL CONFORMING TO ASTM A-615 GRADE 60.

NOTES:

1. LIGHT POLES TO BE SPALDING, PROVIDED BY RACETRAC AND TO BE INSTALLED BY GENERAL CONTRACTOR. SEE SITE PLAN FOR POLE LOCATIONS.
2. LIGHT FIXTURES TO BE CREE "EDGE" HIGH OUTPUT AREA LUMINAIRE WITH A MAXIMUM EFFECTIVE PROJECTED AREA OF 2.0 S.F. (REFER TO "PHOTOMETRIC PLAN" FOR DETAILS). ONE LIGHT FIXTURE PER POLE.
3. WIND DESIGN CRITERIA BASED ON THE FOLLOWING:
   A. ASCE 7-10
   B. Vult=120 MPH WITH EXPOSURE C RISK CATEGORY II
   C. Vasd=93 MPH
   D. IMPORTANCE FACTOR I = 1.0
   E. DESIGN WIND PRESSURE = 36.6 PSF



8 SD2 SITE LIGHTING SECTION 120 MPH WIND (VULT)

1. LIGHT POLES SHALL MEET 93 MPH WIND (Vasd); 120 MPH (Vult).
2. CONCRETE SHALL HAVE A 28 DAY COMPRESSIVE STRENGTH (F'c) OF 3,500 PSI FOR ALL LIGHT POLE FOOTINGS.
3. ALL REINFORCING STEEL SHALL BE NEW DOMESTIC DEFORMED BILLET STEEL CONFORMING TO ASTM A-615 GRADE 60.
4. CONCRETE ABOVE FINISH GRADE TO BE SMOOTH WITH RUBBED FINISH.
5. CONCRETE LIGHT POLE BASES TO BE PAINTED TO MATCH BOLLARD.

NO.	DATE

THESE PLANS ARE SUBJECT TO FEDERAL COPYRIGHT LAWS. ANY USE OF SAME WITHOUT THE EXPRESS, PRIOR WRITTEN PERMISSION OF RACETRAC PETROLEUM, INC. IS PROHIBITED.

RACETRAC PETROLEUM, INC.
200 GALLERIA PARKWAY SE
SUITE 900 ATLANTA, GA 30339
(770) 431-7600

STANDARD DETAILS

RACETRAC MARKET 1635

500 MERIWEATHER ROAD
LAND LOT 185, 2ND DISTRICT
318TH GEORGIA MILITIA DISTRICT
BALDWIN COUNTY, GEORGIA

DRAWN-BY	KBEL
DATE	5/22/2024
SCALE	
DRAWING NAME:	RT Standard Details (2024).dwg
SD2	
SHEET NO.	VERSION

H:\5416\5416 RT Standard Details (2024).dwg Aug 28, 2024 - 11:12am

GENERAL CONCRETE PAVEMENT NOTES

1. REVIEW AND VERIFY ALL AS-BUILT CONDITIONS WHICH AFFECT NEW CONSTRUCTION PRIOR TO SUBMISSION OF SHOP DRAWINGS AND ANY FABRICATION.
2. INDUSTRY STANDARDS GOVERNING THIS WORK ARE OF THE LATEST ISSUE AT THE DATE OF THIS DRAWING RELEASE.
3. ENSURE STORAGE, HANDLING, PREPARATION, INSTALLATION, ETC. OF ALL MATERIALS ARE IN ACCORDANCE WITH MANUFACTURER'S / VENDOR'S PRINTED RECOMMENDATIONS AND INSTRUCTIONS.

PAVEMENT SUBGRADE AND BASE NOTES

1. ENSURE TESTING AGENCY VERIFIES THE SUBGRADE IS COMPACTED TO THE SPECIFIED MAXIMUM DRY DENSITY AS DETERMINED BY THE GEOTECHNICAL ENGINEER. RECOMPACT SOFT AREAS AS DIRECTED BY THE GEOTECHNICAL ENGINEER. TESTING AGENCY TO PROVIDE A LETTER REPORT TO THE OWNER'S REPRESENTATIVE STATING THAT THE SUBGRADE HAS BEEN PROPERLY COMPACTED.
2. ENSURE TESTING AGENCY EVALUATES THE SUBGRADE BY PROOF-ROLLING. PROOF ROLLING TO BE DONE BY A FULLY LOADED TANDEM-AXLE DUMP TRUCK OR OTHER EQUIVALENTLY WHEELED VEHICLE ACCEPTABLE TO THE TESTING AGENCY. REPAIR SOFT AREAS THAT DEPRESS DEEPER THAN 1/2 INCH AS DIRECTED BY THE TESTING AGENCY. TESTING AGENCY TO PROVIDE A LETTER REPORT TO THE OWNER'S REPRESENTATIVE STATING THE SUBGRADE HAS BEEN PROOF-ROLLED AND IS ACCEPTABLE. ** DO NOT ** PROOF-ROLL ON TOP OF OR WITHIN 5 FEET OF THE EDGE OF THE UNDERGROUND STORAGE TANK LOCATIONS.
   - A. IF APPLICABLE, THIS PROCESS SHOULD BE IMPLEMENTED AFTER COMPLETION OF THE ROUGH GRADING AND SHOULD BE REPEATED BEFORE THE PLACEMENT OF THE SLAB.
   - B. IF RUTTING OR PUMPING IS EVIDENT AT ANY TIME DURING PREPARATION OF THE SUBGRADE, SUBBASE, BASE ROLLING, OR SLAB PLACEMENT, CORRECTIVE ACTION SHOULD BE TAKEN. FULL SOIL SUPPORT HAS BEEN ACHIEVED IF THE ROLLED AREA IS OBSERVED TO BE FIRM AND UNYIELDING, WITH NO DEPRESSIONS GREATER THAN 1/2 IN. RUTTING NORMALLY OCCURS WHEN THE SURFACE OF THE BASE OR SUBBASE IS WET, GREATER THAN THREE PERCENTAGE POINTS ABOVE OPTIMUM MOISTURE CONTENT, AND THE UNDERLYING SOILS OR SUBGRADE ARE FIRM. PUMPING NORMALLY OCCURS WHEN THE SURFACE OF THE BASE OR SUBBASE IS DRY AND THE UNDERLYING SOILS ARE WET.
   - C. REPAIRS SHOULD INCLUDE, BUT NOT BE LIMITED TO, RAKING SMOOTH OR CONSOLIDATING WITH SUITABLE COMPACTION EQUIPMENT.
3. AGGREGATE BASE MATERIAL:
   - A. COARSE AGGREGATE BASE: CRUSHER RUN WITH ROCK FINES. USE ASTM D448, NO. 467, 57 OR 67 BLEND ONLY IF NOTED OR ALLOWED.
   - B. FINE AGGREGATE BASE: CLEAN SCREENINGS ASTM D 448, NO. 10 WITH 6% TO 12% PASSING NO. 200 SIEVE.
5. AGGREGATE BASE MATERIAL INSTALLATION:
   - A. COMPACT COARSE AGGREGATE BASE TO FINAL THICKNESS SHOWN IN LAYERS NOT EXCEEDING 6 INCHES, WITH MINIMUM OF 2 PASSES PER LAYER WITH A VIBRATORY COMPACTOR.
   - B. COMPACT BASE TO THE SPECIFIED MAXIMUM DRY DENSITY AS DETERMINED BY THE GEOTECHNICAL ENGINEER.
   - C. CHOKE-OFF TOP SURFACE OF COARSE AGGREGATE BASE WITH FINE AGGREGATE BASE MATERIAL DUE TO THE FOLLOWING:
     - C.1. AS REQUIRED TO MEET FINE GRADE ELEVATION TOLERANCES SPECIFIED.
     - C.2. WHERE COARSE AGGREGATE BASE MATERIAL DOES NOT HAVE SUFFICIENT FINE PARTICLES TO PRODUCE A SURFACE THAT IS FREE OF EXPOSED AGGREGATE OR SURFACE VOIDS IMMEDIATELY PRIOR TO PAVEMENT INSTALLATIONS.
   - D. COMPACT FINE AGGREGATE BASE CHOKE-OFF LAYER WITH A MINIMUM OF 2 PASSES WITH A VIBRATORY COMPACTOR.
   - E. TOP SURFACE OF BASE MATERIAL TO BE DRY, SMOOTH, FLAT, DENSE SURFACE IMMEDIATELY BEFORE PLACING CONCRETE.
6. ENSURE TESTING AGENCY VERIFIES AGGREGATE BASE IS COMPACTED TO THE SPECIFIED MAXIMUM DRY DENSITY AS DETERMINED BY THE GEOTECHNICAL ENGINEER IMMEDIATELY PRIOR TO PLACING PAVEMENT. TESTING AGENCY TO PROVIDE LETTER REPORT TO OWNER'S REPRESENTATIVE STATING THE BASE IS ACCEPTABLE.
7. NOTIFY THE OWNER'S REPRESENTATIVE IMMEDIATELY IF UNUSUAL SOIL CONDITIONS ARE FOUND.
8. PROTECT EXISTING STRUCTURES, UTILITIES, PROPERTY CORNERS, ETC. RESTORE ALL ITEMS DAMAGED, AS REQUIRED BY OWNER, AT NO COST TO OWNER OR WITHOUT EXTENSION OF CONTRACT TIME. ** DO NOT ** ALLOW STORED EXCAVATION MATERIAL TO DISRUPT PROPER DRAINAGE OF AREA, DAMAGE TO SURROUNDING AREAS, OR STAIN ADJACENT CONCRETE.
9. DISPOSE OF EXCAVATED MATERIAL AS REQUIRED BY OWNER'S REPRESENTATIVE.

CONCRETE PAVEMENT NOTES:

1. CONFORM TO ACI 318 AND 117 FOR THE DESIGN AND PLACEMENT OF CONCRETE, REINFORCING, AND RELATED ITEMS.
2. CONFORM TO ACI 306.1 FOR COLD WEATHER CONCRETING AND ACI 305R WHEN ANY COMBINATION OF HIGH TEMPERATURE, LOW RELATIVE HUMIDITY, AND WIND VELOCITY TEND TO IMPAIR THE QUALITY OF THE CONCRETE. REJECT CONCRETE IF ITS TEMPERATURE AT TIME OF PLACEMENT IS 90 DEGREES FAHRENHEIT (°F) OR ABOVE. PROTECT SURFACES OF EXPOSED CONCRETE FROM PRECIPITATION DAMAGE UNTIL ADEQUATE STRENGTH IS GAINED TO PREVENT DAMAGE.
   - A. MINIMUM CONDITIONS FOR CONCRETE PLACEMENT-
     - AMBIENT CONDITIONS - 35° AND RISING
     - AGGREGATE BASE TEMP - 45° AND RISING
     - CONCRETE TEMPERATURE - 65° (+/- 5°)
     - CURE APPLICATION - 45° AND RISING
3. CONFORM TO ACI 302.1R, 304R, 308, 309R AND 347R FOR CONCRETE, FORM WORK, CURING, AND RELATED ITEMS. CONFORM TO CRSI MANUAL OF STANDARD PRACTICE AND CRSI PLACING REINFORCING BARS FOR PLACING REINFORCING.
4. PROVIDE A MINIMUM CONCRETE COMPRESSIVE STRENGTH AT 28 DAYS OF 3500 psi.
5. PROVIDE A MINIMUM CEMENTITIOUS CONTENT IN ACCORDANCE WITH ACI 302.1R AND A MAXIMUM WATER/CEMENTITIOUS RATIO OF 0.50. MEASURE AND MIX CONCRETE IN ACCORDANCE WITH ACI 211.1. AIR ENTRAIN CONCRETE EXPOSED TO THE WEATHER. USE SLUMP OF FIVE INCHES (+1/2 INCH, -ONE INCH).
6. SUBMIT FOR APPROVAL MIX DESIGNS AND TEST RESULTS FOR COMPRESSIVE STRENGTH, SLUMP, AND AIR ENTRAINMENT. INCLUDE STANDARD DEVIATIONS AND AVERAGE COMPRESSIVE STRENGTHS FOR FIELD DATA. INCLUDE BRAND NAME AND CHEMICAL COMPOSITION OF ALL ADMIXTURES. INCLUDE AGGREGATE TYPE, SOURCE, AND AGGREGATE GRADATION WITH PERCENT RETAINED ON EACH SIEVE FOR EACH AGGREGATE SIZE GROUP AND TOTAL COMBINED FOR ALL SIZE GROUPS. SUBMIT 14 DAYS MINIMUM PRIOR TO USE.
7. MIX AND TRANSPORT READY-MIXED CONCRETE IN ACCORDANCE WITH ASTM C94, EXCEPT REDUCE MAXIMUM DISCHARGE TIME TO 75 AND 60 MINUTES FOR AIR TEMPERATURES OF 85-90 AND 90 F, RESPECTIVELY.
8. THE OWNER'S TESTING AGENCY WILL TEST SAMPLES OF CONCRETE FOR COMPRESSIVE STRENGTH, AIR ENTRAINMENT, SLUMP, DENSITY (UNIT WEIGHT) AND TEMPERATURE IN ACCORDANCE WITH ASTM C31, C39 AND C138 FROM THE FIRST TRUCK EACH DAY AND THEN EACH 100 CUBIC YARDS FOR EACH TYPE OF CONCRETE PLACED PER DAY, BUT NOT LESS THAN ONCE FOR EACH DAY OF CONCRETE PLACEMENT. WHEN ABOVE SCHEDULE PROVIDES LESS THAN FIVE TESTS PER TYPE OF CONCRETE, TEST FIVE RANDOM BATCHES. IF FEWER THAN 5 BATCHES ARE USED, TEST EACH BATCH. IF CONCRETE IS PUMPED, ENSURE TEST SAMPLES ARE TAKEN AT THE POINT OF PLACEMENT. EACH COMPRESSIVE TEST SHALL CONSIST OF FOUR TEST CYLINDERS TO BE TESTED AS FOLLOWS: ONE AT SEVEN DAYS, TWO AT 28 DAYS, ONE RESERVE.
9. CONFORM TO THE FOLLOWING:
   - A. CEMENT: ASTM C 150.
     1. TYPE I-II; II OR TYPE I CEMENT WITH MAXIMUM C3A CONTENT OF 8%.
   - B. AGGREGATES:
1. ASTM C33, SUBJECT TO SEVERE WEATHERING AND ABRASION, SURFACE APPEARANCE IS IMPORTANT.
   2. OF TOTAL COMBINED COARSE AND FINE AGGREGATES PER MIX DESIGN, DO NOT ALLOW MATERIAL RETAINED ON ANY ONE SIEVE TO BE LESS THAN 6% NOR MORE THAN 24% OF TOTAL BY WEIGHT, EXCEPT:
      (1) LARGEST COARSE AGGREGATE SIZE TO BE #4 STONE. RETAIN 1% TO 8% OF TOTAL COMBINED AGGREGATES PER MIX DESIGN ON LARGEST SIEVE WITH RETAINED AGGREGATE.
      (2) NO. 30 AND 50 SIEVES TO BE 6% TO 15%.
      (3) NO. 100 SIEVE TO BE 2% TO 5%.
   3. GRADATION REQUIREMENTS OF ASTM C33 MAY BE WAIVED, IF ALLOWED BY ENGINEER, IN ORDER TO MEET 6% - 24% RANGE NOTED ABOVE.
   - C. WATER: CLEAN AND POTABLE.
   - D. AIR ENTRAINMENT: ASTM C260.
   - E. WATER-REDUCER: ASTM C494, TYPE A, OR D IF APPROVED. NON-CHLORIDE TYPE.
   - F. RETARDER: ASTM C494, TYPE B OR D.
   - G. ACCELERATOR: ASTM C494, TYPE C OR E. NON-CHLORIDE AND NON-THIOCYANATE TYPE.
   - H. FLY ASH: ASTM C 618, CLASS C OR F, EXCEPT LOSS ON IGNITION NOT TO EXCEED 3%.
   - I. SLAG: ASTM C989, GRADE 100 MINIMUM.
   - J. AGGREGATE BASE: CRUSHER RUN WITH ROCK FINES COMPACT WITH A MINIMUM OF TWO PASSES WITH A SMOOTH VIBRATORY COMPACTOR.
   - K. JOINT BACK-UP MATERIAL: POLYETHYLENE FOAM, 100% CLOSED CELL.
   - L. FIRM PREFORMED JOINT FILLER (P/F): ASTM D 1751, NONEXTRUDING, USE FULL DEPTH OF CONCRETE.
   - M. SOFT PREFORMED JOINT FILER: "EXPANSION-JOINT FILLER" BY SONNEBORN, "DECK-O-FOAM" BY W. R. MEADOWS, OR "CERAMAR" FLEXIBLE FOAM BY W. R. MEADOWS. USE FULL DEPTH OF CONCRETE.
   - N. EVAPORATION RETARDANT: "EUCO-BAR" BY EUCLID, "CONFILM" BY MASTER BUILDERS OR AQUAFILM BY DAYTON SUPERIOR
   - O. LOAD PLATE DOWELS AND CLIPS: PNA, 1-800-542-0214
   - P. SQUARE DOWELS AND POCKET FORMERS: SQUARE DOWEL SYSTEM BY PNA. 1-800-542-0214, ¾" DOWEL CLIP SYSTEM BY PNA
   - Q. PAVEMENT SEALANT: DOW 888 BY DOW CORNING, 301 NS BY PECORA, SPECTRUM 800 OR 900 BY TREMCO.
   - R. LIQUID CURING AND SEALING COMPOUND: ASTM C1315, TYPE I, STYRENE ACRYLATE OR METHACRYLATE TYPE, 29% MINIMUM SOLIDS CONTENT, CLEAR, NON-YELLOWING, STYRENE BUTADIENE NOT ALLOWED AS PART OF BLEND.
   - S. REBAR SUPPORT DEVICES: CRSI MANUAL OF STANDARD PRACTICE.
10. DO NOT USE MANUFACTURED SAND EXCEPT AS A BLEND WITH NATURAL SAND AND/OR AS APPROVED BY ENGINEER.
11. IF POZZOLAN IS APPROVED, ENSURE WEIGHT OF POZZOLAN DIVIDED BY SUM OF CEMENT AND POZZOLAN WEIGHTS IS AT LEAST 15% AND DOES NOT EXCEED FOLLOWING:
    - A. FLY ASH:
      CLASS C FLY ASH: 25%.
      CLASS F FLY ASH: 20%.
    - B. SLAG: 30%
12. DO NOT USE CALCIUM CHLORIDE AS PART OF ADMIXTURE OR BY ITSELF.
13. ENSURE REINFORCING BARS CONFORM TO ASTM A615 GRADE 60, DEFORMED
14. THE GEOTECHNICAL ENGINEERING REPORT INDICATES THAT THE SOILS ON-SITE HAVE A XXXXXXXX SULFATE EXPOSURE. WHERE IMPORTED FILL OR BASE MATERIALS ARE IN CONTACT WITH CONCRETE, THE SULFATE CONTENT AND EXPOSURE OF THESE MATERIALS SHALL BE ACQUIRED BY TEST. SUBMIT ALL TEST RESULTS WITH CONCRETE MIX DESIGNS. FAILURE TO PROVIDE SUPPORTING TEST RESULTS FROM AN ACCREDITED TESTING LABORATORY WILL REQUIRE THE CONCRETE MIX TO BE PROPORTIONED FOR VERY SEVERE SULFATE EXPOSURE AT NO ADDITIONAL COST OR DELAY IN THE PROJECT SCHEDULE.
15. CONCRETE SHALL BE PROPORTIONED TO MEET THE PROJECT SPECIFICATIONS AND THE MINIMUM CRITERIA ESTABLISHED IN "TABLE A" (THIS SHEET) BASED ON THE SULFATE EXPOSURE FROM ANY ADJACENT SOILS OR FILL MATERIALS.
16. ADDITIONALLY, EXTERIOR CONCRETE EXPOSED TO FREEZING TEMPERATURES AND/OR SALT OR DEICING CHEMICALS SHALL HAVE AIR ENTRAINMENT AND THE CEMENT CONTENT APPROPRIATE FOR THE EXPECTED EXPOSURE.
    - A. MINIMUM 4500 psi AND A 0.45 w/cm RATIO. AIR ENTRAIN CONCRETE TO PROVIDE 6% (+/ 1.5%) AIR. PROVIDE SLUMP OF FIVE INCHES (+/-ONE INCH) AT POINT OF CONCRETE PLACEMENT.
17. CONCRETE TO MEET DURABILITY REQUIREMENTS OF ACI 301. FREEZING AND THAWING EXPOSURE CATEGORY TO BE [F0] [F1] [F2] [F3], SULFATE EXPOSURE CATEGORY TO BE [S0] [S1] [S2] [S3], AND CORROSION PROTECTION EXPOSURE CATEGORY TO BE [C0] [C1] [C2]. PROVIDE A MINIMUM CONCRETE COMPRESSIVE STRENGTH AT 28 DAYS OF [3500 PSI] [4000 PSI] [4500 PSI] [5000 PSI] WITH MAXIMUM WATER/CEMENTITIOUS RATIO OF [0.55] [0.50] [0.45] [0.40].
18. ENSURE REINFORCING BARS CONFORM TO ASTM A615 GRADE 60, DEFORMED.
19. PROVIDE CLASS B TENSION LAP SPLICES PER ACI 318, FOR CONCRETE STRENGTH AND BAR LOCATIONS NOTED.
20. MAINTAIN FULL THICKNESS FOR DEPRESSED OR SLOPED PAVEMENTS.
21. ** DO NOT ADD WATER OR PLAIN CEMENT TO ANY PAVEMENT SURFACE DURING FINISHING OPERATIONS.
22. PERFORM NO FINISHING OPERATION WHILE WATER IS PRESENT ON PAVEMENT SURFACE.
23. STRIKE OFF CONCRETE TO REQUIRED ELEVATIONS AND IMMEDIATELY START FINISHING/FLATTENING OPERATIONS. ENSURE FINISHING OPERATIONS ARE NO MORE THAN NECESSARY TO REMOVE IRREGULARITIES AND MEET SPECIFIED TOLERANCES. USE A HIGHWAY STRAIGHTEDGE 10-FOOT-WIDE MAXIMUM, UNLESS OTHERWISED ALLOWED BY OWNER'S REPRESENTATIVE, IN ORDER TO CUT OFF HIGH SPOTS AND FILL IN LOW SPOTS. PERFORM FINISHING OPERATIONS AS NECESSARY TO ENSURE PAVEMENT WILL DRAIN WELL. UNIFORMLY FINISH SURFACE TO TEXTURE PREVIOUSLY APPROVED BY OWNER'S REPRESENTATIVE. ** DO NOT ALLOW SURFACE TO DRY DURING FINISHING OPERATIONS AND BEFORE CURING COMPOUND IS APPLIED; USE EVAPORATION RETARDANT AS NECESSARY TO PREVENT SURFACE DRYING AND PLASTIC SHRINKAGE CRACKS.
24. FOR TOLERANCES CONFORM TO ACI 117 AND ACI 347R, EXCEPT AS NOTED BELOW:
    - A. PAVEMENT AGGREGATE BASE FINE GRADE +0, -3/4 INCH.
    - B. MINIMUM PAVEMENT TOLERANCE: -3/4 INCH.
    - C. WHEN COMPUTING THE AVERAGE OF ALL SAMPLES, SAMPLES WITH A THICKNESS MORE THAN ¾ INCH ABOVE THE SPECIFIED THICKNESS SHALL BE ASSUMED TO HAVE A THICKNESS OF 3/4 INCH MORE THAN THE SPECIFIED THICKNESS.
    - D. AVERAGE PAVEMENT THICKNESS TOLERANCE: -0.
    - E. THICKNESS SAMPLES ARE TO BE RANDOMLY LOCATED FROM EACH PAVEMENT PLACEMENT AND NOT EXCEED 1000 SQUARE FEET OF PAVEMENT SURFACE AREA.
25. START SAWING PAVEMENT CONTRACTION JOINTS USING A "SOFF-CUT" SAW, BLADES AND SKID PLATES AS SOON AS CONCRETE HAS HARDENED SUFFICIENTLY TO PREVENT RAVELING OR DISLODGING OF AGGREGATES. UNLESS RAVELING OR DISLODGING OCCURS, COMPLETE SAWING OF JOINTS WITHIN THE MAXIMUM ELAPSED TIME LIMIT NOTED BELOW, BUT PREFERABLY LESS. THE SPECIFIED TIME FOR ANY ONE LOCATION STARTS WHEN FINISHING OPERATIONS ARE COMPLETE FOR THAT LOCATION. THE SPECIFIED TEMPERATURE IS THE MAXIMUM AIR TEMPERATURE IN DEGREES FAHRENHEIT (°F) THAT OCCURS WITHIN THE SPECIFIED TIME LIMIT. THE ELAPSED TIME MAY NEED TO BE SHORTENED EVEN MORE IF DRY AND OR WINDY CONDITIONS ARE PRESENT. ENSURE JOINTS ARE CLEANED AFTER SAWING AND REMAIN CLEAN UNTIL SEALED.

MAX DEGREES FAHRENHEIT (°F)	MAX ELAPSED HOURS
85 AND ABOVE	1
60 - 84	2
50 - 59	3
40 - 49	4

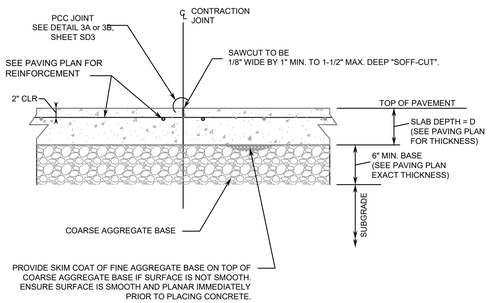
26. START CURING AS SOON AS CONCRETE SURFACE WILL NOT BE DAMAGED BY CURING OPERATIONS.
27. ENSURE PAVEMENT SURFACE IS PROTECTED FROM EQUIPMENT SCRAPES, IMPACT ABRASIONS, STAINS, ETC. REPAIR PAVEMENT SURFACE AS DIRECTED BY OWNER'S REPRESENTATIVE. ENSURE VEHICLES AND EQUIPMENT ARE DIAPERED TO PREVENT OIL OR OTHER FLUID LEAKS FROM STAINING THE PAVEMENT. VEHICLE AND EQUIPMENT TRAFFIC IS PROHIBITED UNTIL THE COMPLETION OF PAVEMENT CURING PERIOD (MINIMUM OF SEVEN CONSECUTIVE DAYS).
28. REFER TO ARCHITECTURAL, MECHANICAL, ELECTRICAL, PROCESS, CIVIL AND VENDOR'S DRAWINGS FOR EMBEDDED ITEMS NOT SHOWN. COORDINATE AND PLACE ALL EMBEDDED ITEMS SHOWN ON THE DRAWINGS OR REQUIRED BY ALL TRADES.
29. PRE-CONSTRUCTION MEETINGS:
    - A. ATTEND PRE-CONSTRUCTION / PLACEMENT MEETING TO BE SCHEDULED AT LEAST 7 DAYS BEFORE STARTING MAIN CONCRETE PAVEMENT.
    - B. ATTENDANCE DESIGNATED BY THE OWNER'S REPRESENTATIVE AND THE FOLLOWING: STRUCTURAL SERVICES INC. REPRESENTATIVE (863-393-4495), TESTING AGENCY, CONTRACTOR, CONCRETE SUPPLIER (INCLUDING QUALITY CONTROL PERSONNEL), AND SUBCONTRACTORS FOR SUBGRADE AND BASE PREPARATION, REINFORCEMENT, PUMPING OR OTHER MEANS OF CONVEYING,PLACEMENT, FINISHING, SAWING, FORMWORK, AND OTHER PERTINENT PORTIONS OF WORK.
    - C. REPRESENTATIVES ARE TO BE PERSONNEL WHO ARE DIRECTLY INVOLVED IN PROJECT AND WHO HAVE AUTHORITY TO CONTROL WORK.

TABLE A: NASHVILLE & BELOW (SEE CONCRETE PAVEMENT NOTE #5)

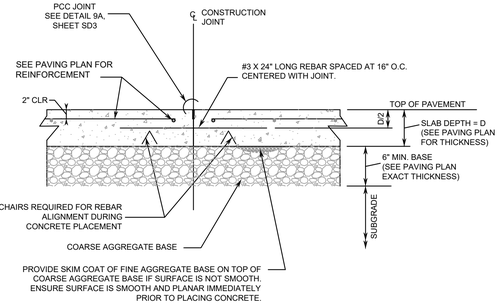
SULFATE EXPOSURE	WATER SOLUBLE SULFATE (SO_4) IN WATER PPM	SULFATE (SO_4) IN WATER PPM	PORTLAND CEMENT TYPE	MAXIMUM W/C RATIO	CONCRETE PAVEMENTS
NEGLIGIBLE	$0.00 \leq SO_4 < 0.10$	$0 \leq SO_4 < 150$	I	0.55	3500
MODERATE	$0.10 \leq SO_4 < 0.20$	$150 \leq SO_4 < 1500$	II	0.50	4000
SEVERE	$0.20 \leq SO_4 \leq 2.00$	$1500 \leq SO_4 < 10,000$	V	0.45	4500
VERY SEVERE	$SO_4 > 2.00$	$SO_4 > 10,000$	V PLUS POZZOLAN	0.40	5000

NOTE TO CIVIL ENGINEERING COMPANY

TYPICALLY USE "MODERATE" EXPOSURE FROM TABLE. CONTACT EPM IF EXPOSURE CLASS SHOULD BE CHANGED.

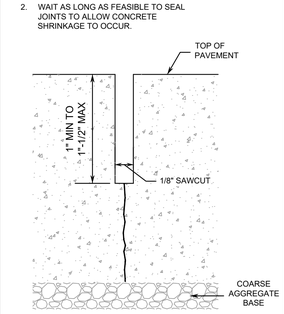


3 SD3 — SLAB CONTRACTION JOINT SECTION — NTS

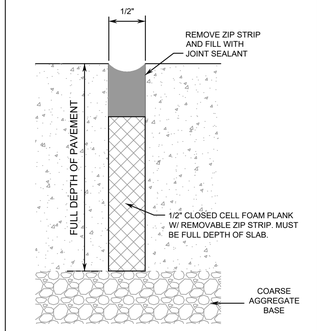


4A SD3 — SLAB CONSTRUCTION JOINT SECTION — NTS

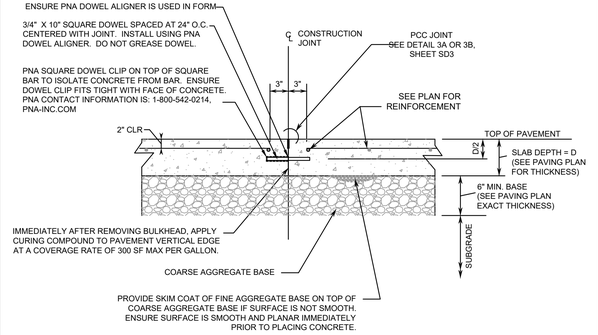
5 SD3 — ISOLATION JOINT PARTIAL PLAN DETAIL — NTS



3A SD3 — PCC JOINT DETAIL — NTS



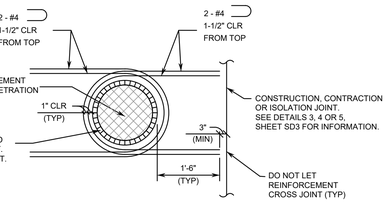
COMPRESSIBLE CLOSED FOAM PLANK ISOLATION JOINT DETAIL — NTS



4B SD3 — SLAB CONSTRUCTION JOINT SECTION — NTS

5A SD3 — ISOLATION JOINT SECTION — NTS

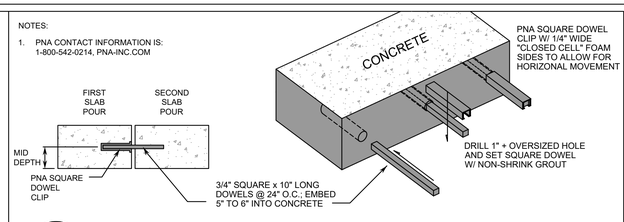
NOTES:
1. SLAB PENETRATIONS INCLUDE, BUT ARE NOT LIMITED TO, BOLLARDS, MANHOLES, INLETS, CLEANOUTS, WATER VALVES, ETC.
2. DO NOT INSTALL CLOSED CELL FOAM AROUND TANK MANHOLE PENETRATIONS.



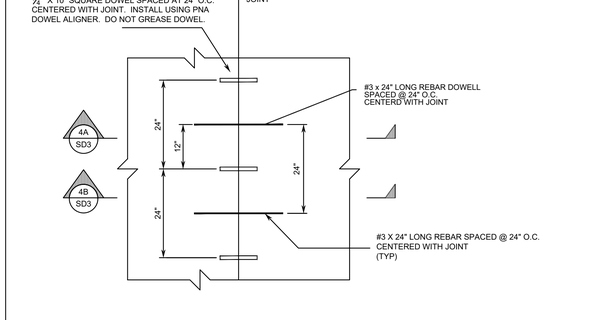
1/2" CLOSED CELL FOAM PLANK WITH REMOVABLE ZIP STRIP, WRAPPED AROUND PENETRATION, FULL DEPTH OF PAVEMENT. REMOVE ZIP STRIP AND FILL WITH SEALANT. SIMILAR TO DETAIL 9B, SHEET SD3 WITH SEALANT FLUSH WITH TOP PAVEMENT.

1 SD3 — SLAB PENETRATIONS DETAIL (SSW, BOLLARD,ETC) — NTS

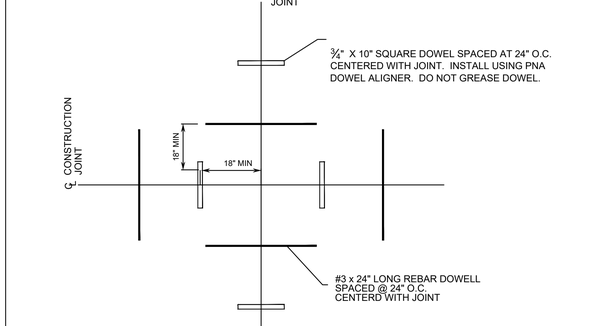
NOTES:
1. PNA CONTACT INFORMATION IS: 1-800-542-0214, PNA-INC.COM



2 SD3 — PNA SQUARE DOWEL PLATE DETAIL (TYP) — NTS



4 SD3 — CONSTRUCTION JOINT PARTIAL PLAN DETAIL — NTS

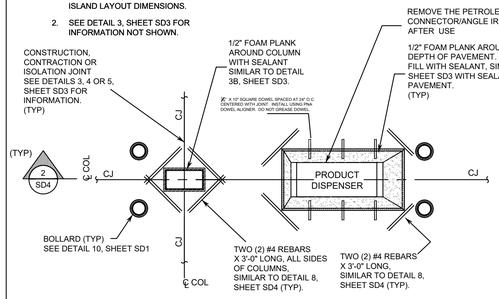


4C SD3 — CONSTRUCTION JOINT INTERSECTION PARTIAL PLAN DETAIL — NTS

℄ ISOLATION JOINT
TANK OR DUMSTER
PAVEMENT
PAVEMENT
ENSURE PNA
DOWEL ALIGNER
IS USED IN FORM
ISOLATION JOINT
REMOVE ZIP STRIP AND FILL
WITH JOINT SEALANT,
SEE DETAIL 9B, SHEET SD3.
3/4" X 10" SQUARE DOWEL SPACED AT 24" O.C.
CENTERED WITH JOINT. INSTALL USING PNA
DOWEL ALIGNER. DO NOT GREASE DOWEL.
PNA SQUARE DOWEL CLIP ON TOP OF SQUARE
BAR TO ISOLATE CONCRETE FROM BAR. EN

NOTES:

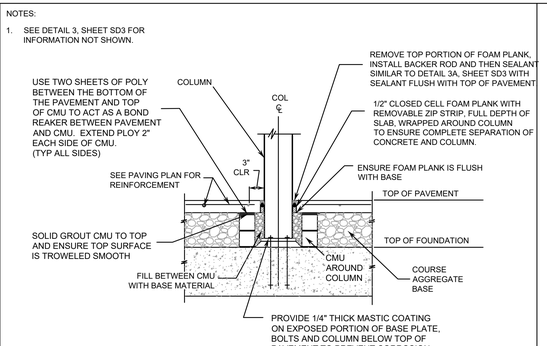
1. SEE DETAIL 1, SHEET SD2 FOR ISLAND LAYOUT DIMENSIONS.
2. SEE DETAIL 3, SHEET SD3 FOR INFORMATION NOT SHOWN.



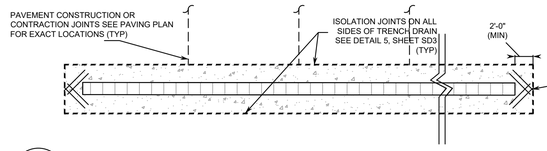
1 SD4 CONCRETE DETAIL @ DISPENSER ISLAND

NOTES:

1. SEE DETAIL 3, SHEET SD3 FOR INFORMATION NOT SHOWN.



2 SD4 NTS CANOPY COLUMN SECTION WITHOUT COLUMN CLADDING



3A SD4 SITE TRENCH DRAIN PLAN NTS

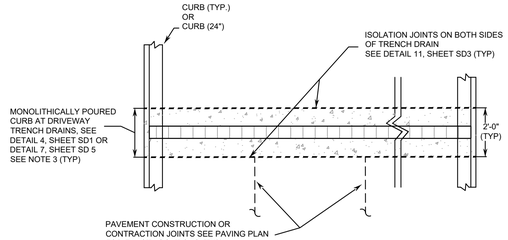
NOTES:

1. TRENCH DRAIN TO BE ISOLATED ON ALL SIDES WITH ISOLATION JOINT. SEE DETAIL 11, SHEET SD3
2. 2'-0" (MIN) CLEARANCE BETWEEN EDGE OF TRENCH DRAIN AND ISOLATION JOINTS.

3B SD4 DRIVEWAY TRENCH DRAIN PLAN NTS

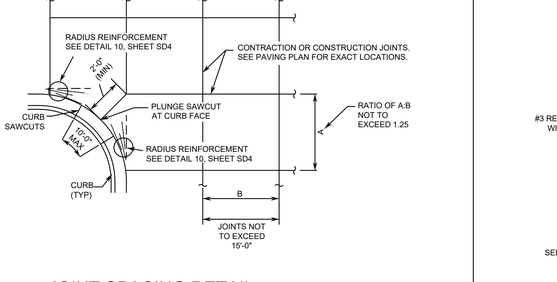
NOTES:

1. TRENCH DRAIN TO BE ISOLATED ON BOTH SIDES WITH ISOLATION JOINT. SEE DETAIL 5, SHEET SD3
2. 2'-0" (MIN) CLEARANCE BETWEEN EDGE OF TRENCH DRAIN AND ISOLATION JOINTS.
3. CURBING BETWEEN ISOLATION JOINTS TO BE A MONOLITHIC POUR, INSTALLED AND FORMED AT TIME OF TRENCH DRAIN CONCRETE. SEE DETAIL 4, SHEET SD1.
4. TRENCH DRAIN TO EXTEND TO FACE OF CURB.

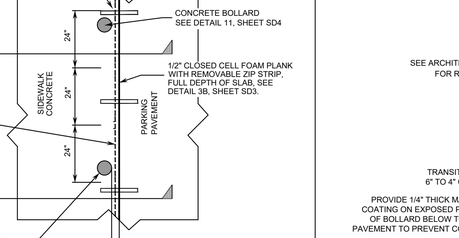


NOTES:

1. SEE DETAIL 3, SHEET SD3 FOR INFORMATION NOT SHOWN.



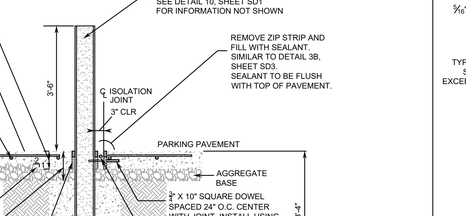
4 SD4 NTS DISPENSER ISLAND SECTION



NOTES:

1. REFER TO LOCAL JURISDICTION REQUIREMENTS FOR SPECIFIC CONNECTION DETAILS.

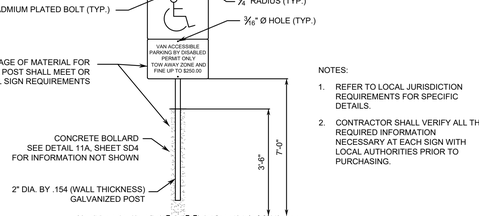
5 SD4 NTS CONCRETE / EXISTING ASPHALT SECTION



NOTES:

1. REFER TO LOCAL JURISDICTION REQUIREMENTS FOR SPECIFIC CONNECTION DETAILS.

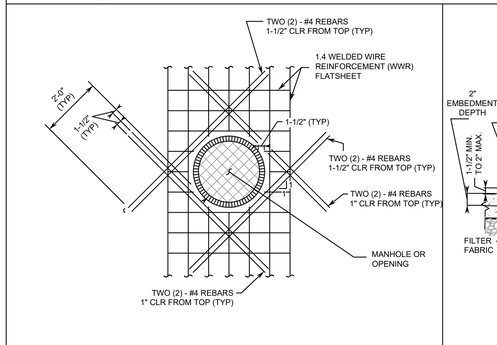
5A SD4 NTS CONCRETE / NEW ASPHALT SECTION



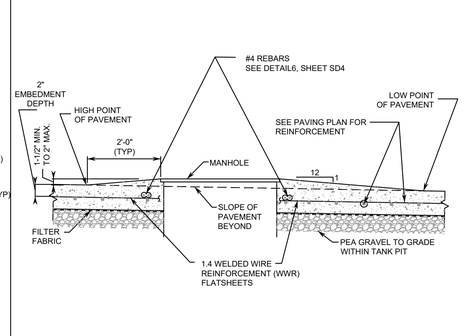
NOTES:

1. IF EXISTING SLAB IS LESS THAN 5-1/2" THICK, NOTIFY OWNER'S REPRESENTATIVE.

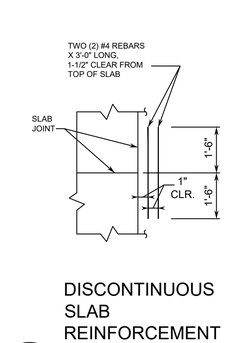
5B SD4 NTS CONCRETE / EXISTING CONCRETE SECTION



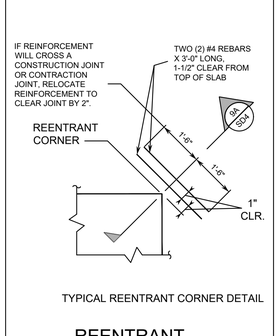
6 SD4 NTS TANK MANHOLE PLAN



6A SD4 NTS TANK MANHOLE SECTION

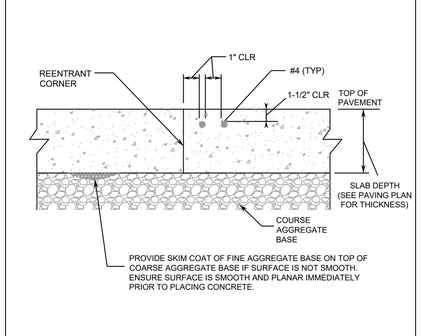


7 SD4 NTS DISCONTINUOUS SLAB REINFORCEMENT JOINT DETAIL

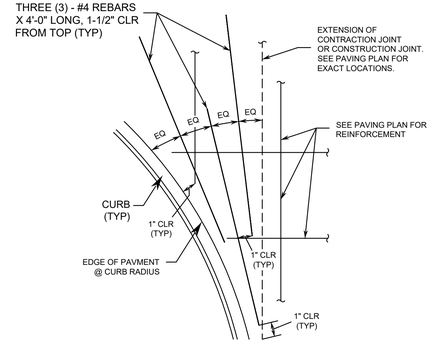


TYPICAL REENTRANT CORNER DETAIL

8 SD4 NTS REENTRANT CORNER DETAIL



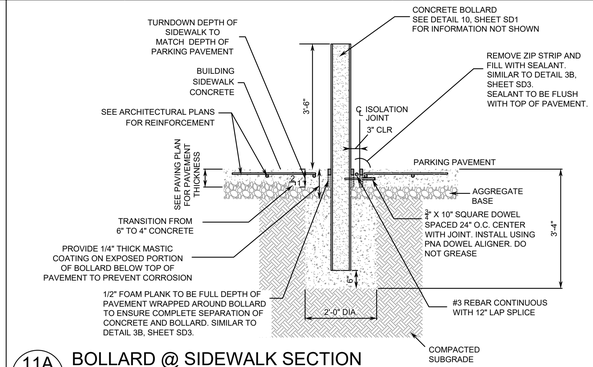
8A SD4 NTS REENTRANT CORNER SECTION



9 SD4 NTS RADIUS REINFORCEMENT DETAIL

10 SD4 NTS JOINT SPACING DETAIL PARTIAL PLAN (TYP)

11 SD4 NTS ISOLATION JOINT @ SIDEWALK PARTIAL PLAN



11A SD4 NTS BOLLARD @ SIDEWALK SECTION

NOTES:

1. REFER TO LOCAL JURISDICTION REQUIREMENTS FOR SPECIFIC DETAILS.
2. CONTRACTOR SHALL VERIFY ALL THE REQUIRED INFORMATION NECESSARY AT EACH SIGN WITH LOCAL AUTHORITIES PRIOR TO PURCHASING.

11B SD4 NTS HANDICAP SIGNAGE DETAIL

NO.	DATE

THESE PLANS ARE SUBJECT TO FEDERAL COPYRIGHT LAWS. ANY USE OF SAME WITHOUT THE EXPRESS WRITTEN PERMISSION OF RACETRAC PETROLEUM, INC. IS PROHIBITED.

RACETRAC PETROLEUM, INC.
200 GALLERIA PARKWAY SE
SUITE 900 ATLANTA, GA 30339
(770) 431-7600

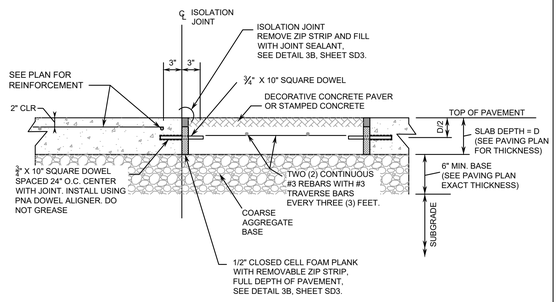
STANDARD DETAILS

RACETRAC MARKET 1635

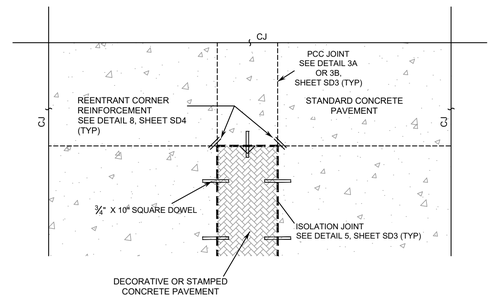
500 MERIWEATHER ROAD
LAND LOT 185, 2ND DISTRICT
318TH GEORGIA MILITIA DISTRICT
BALDWIN COUNTY, GEORGIA

DRAWN-BY	KBEL
DATE	5/22/2024
SCALE	
DRAWING NAME:	RT Standard Details (2024).dwg
SD4	
SHEET NO.	VERSION

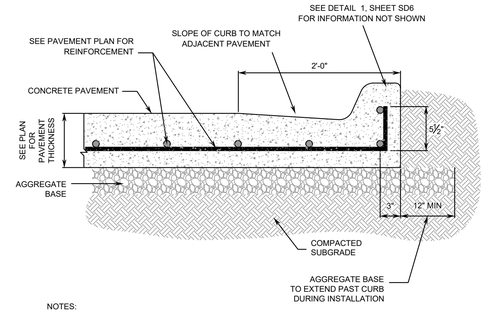
H:\2024\05\24416 RT Standard Details (2024).dwg Aug 29, 2024 - 11:12pm



1 SD5 DECORATIVE PAVER SECTION DETAIL
NTS



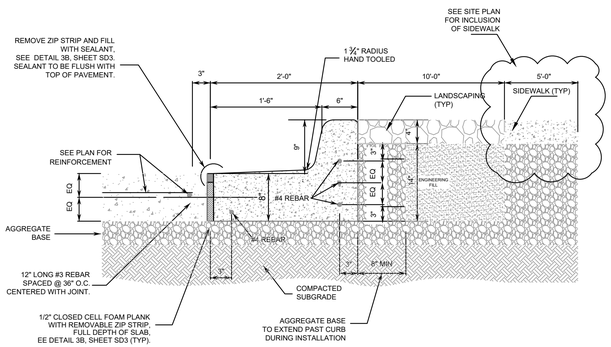
2 SD5 DECORATIVE PAVER PARTIAL PLAN
NTS



NOTES:

1. CURB CONSTRUCTION AND CONTRACTION JOINTS LOCATIONS NOT TO EXCEED 10 FEET.
2. SAWCUT CONTRACTION JOINTS 1/8" WIDE BY 1-1/2" DEEP AS SOON AS CONCRETE HAS HARDENED SUFFICIENTLY TO PREVENT RAVELING OR DISLODGING OF AGGREGATES.
3. SAWCUT CONSTRUCTION JOINTS 1/8" WIDE BY 1" DEEP, SIMILAR TO DETAIL 9A, SHEET SD3. VERIFY JOINT LOCATIONS WITH THE OWNER'S REPRESENTATIVE.
4. THIS CURB TYPE IS TO BE USED ALONG THE CURB LINE ADJACENT TO THE DRIVEWAY TRENCH DRAINS. SEE PLAN FOR LOCATIONS.

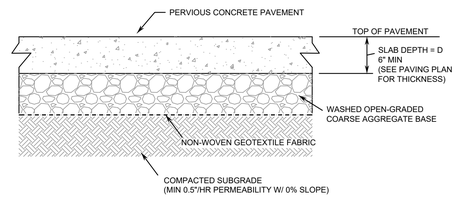
3 SD5 MONOLITHIC CURB (L-BACK) DETAIL
NTS



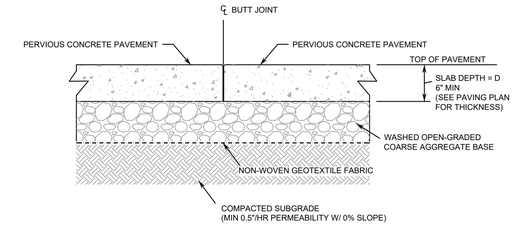
NOTES:

1. CURB CONSTRUCTION AND CONTRACTION JOINTS LOCATIONS NOT TO EXCEED 10 FEET.
2. SAWCUT CONTRACTION JOINTS 1/8" WIDE BY 1-1/2" DEEP AS SOON AS CONCRETE HAS HARDENED SUFFICIENTLY TO PREVENT RAVELING OR DISLODGING OF AGGREGATES.
3. SAWCUT CONSTRUCTION JOINTS 1/8" WIDE BY 1" DEEP, SIMILAR TO DETAIL 3A, SHEET SD3.
4. VERIFY JOINT LOCATIONS WITH THE OWNER'S REPRESENTATIVE.
5. USE THIS DETAIL WHEN ADJACENT PAVEMENT SLOPES AWAY FROM CURBING.
6. DETAIL ONLY TO BE USED FOR THE BACK CURB OF TRUCK PARKING AREAS, NOT ALONG THE SIDES

4 SD5 TRUCK PARKING CURB
NTS



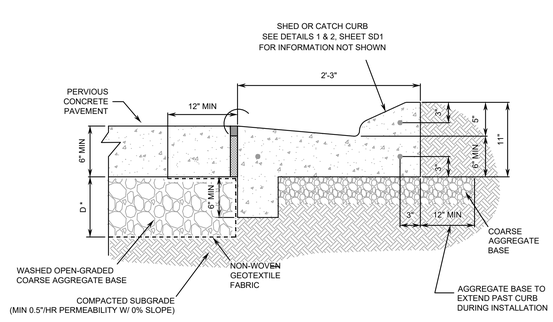
5 SD5 PERVIOUS CONCRETE DETAIL
NTS



6 SD5 PERVIOUS CONCRETE - BUTT JOINT DETAIL
NTS

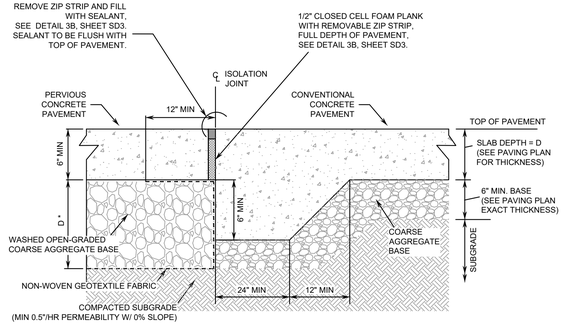
NOTE TO CIVIL ENGINEERING COMPANY

FOR DETAILS 7 & 8, SHEET SD5, ENGINEER TO DETERMINE DEPTH OF AGGREGATE BASE PER NOTE "D*".



D * = DEPTH OF AGGREGATE DETERMINED BY STORAGE NEEDS BASED ON % OF POROSITY OF AGGREGATE RESERVIOR

7 SD5 PERVIOUS CONCRETE @ CURB DETAIL
NTS



D * = DEPTH OF AGGREGATE DETERMINED BY STORAGE NEEDS BASED ON % OF POROSITY OF AGGREGATE RESERVIOR

8 SD5 PERVIOUS CONCRETE / CONVENTIONAL CONCRETE DETAIL
NTS

NO.	DATE

THESE PLANS ARE SUBJECT TO FEDERAL COPYRIGHT LAWS. ANY USE OF SAME WITHOUT THE EXPRESS WRITTEN PERMISSION OF RACETRAC PETROLEUM, INC. IS PROHIBITED.

RACETRAC PETROLEUM, INC.
200 GALLERIA PARKWAY SE
SUITE 900 ATLANTA, GA 30339
(770) 431-7600

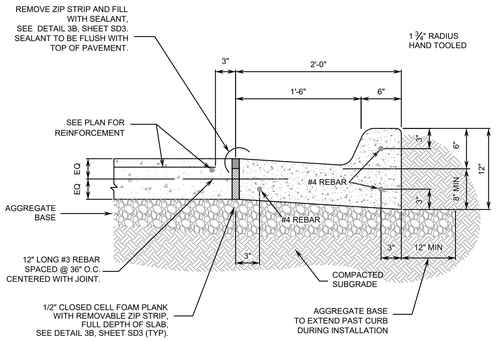
STANDARD DETAILS

RACETRAC MARKET 1635

500 MERIWEATHER ROAD
LAND LOT 185, 2ND DISTRICT
318TH GEORGIA MILITIA DISTRICT
BALDWIN COUNTY, GEORGIA

DRAWN-BY	KBEL
DATE	5/22/2024
SCALE	
DRAWING NAME:	RT Standard Details (2024).dwg
SD5	
SHEET NO.	VERSION

H:\x64\0\x64\6 RT Standard Details (2024).dwg Aug 29, 2024 - 11:13pm

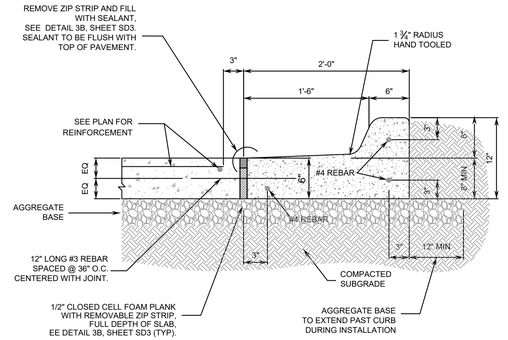


NOTES:

1. CURB CONSTRUCTION AND CONTRACTION JOINTS LOCATIONS NOT TO EXCEED 10 FEET.
2. SAWCUT CONTRACTION JOINTS 1/8" WIDE BY 1-1/2" DEEP AS SOON AS CONCRETE HAS HARDENED SUFFICIENTLY TO PREVENT RAVELING OR DISLODGING OF AGGREGATES.
3. SAWCUT CONSTRUCTION JOINTS 1/8" WIDE BY 1" DEEP, SIMILAR TO DETAIL 3A, SHEET SD3.
4. VERIFY JOINT LOCATIONS WITH THE OWNER'S REPRESENTATIVE.

1 SD6 CATCH CURB [24"] DETAIL @ CONCRETE SLAB

NTS

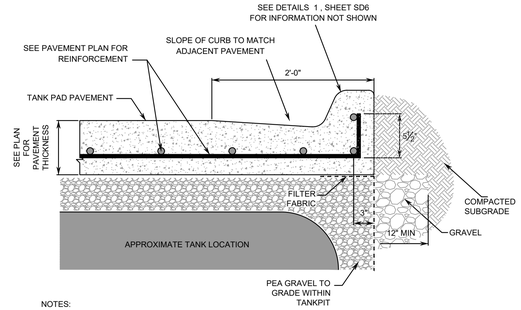


NOTES:

1. CURB CONSTRUCTION AND CONTRACTION JOINTS LOCATIONS NOT TO EXCEED 10 FEET.
2. SAWCUT CONTRACTION JOINTS 1/8" WIDE BY 1-1/2" DEEP AS SOON AS CONCRETE HAS HARDENED SUFFICIENTLY TO PREVENT RAVELING OR DISLODGING OF AGGREGATES.
3. SAWCUT CONSTRUCTION JOINTS 1/8" WIDE BY 1" DEEP, SIMILAR TO DETAIL 3A, SHEET SD3.
4. VERIFY JOINT LOCATIONS WITH THE OWNER'S REPRESENTATIVE.
5. USE THIS DETAIL WHEN ADJACENT PAVEMENT SLOPES AWAY FROM CURBING.

2 SD6 SHED CURB [24"] DETAIL @ CONCRETE SLAB

NTS

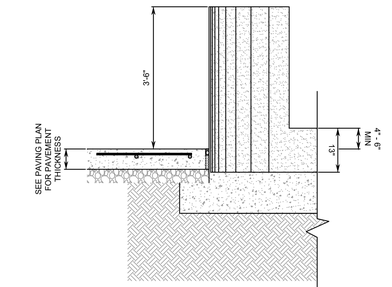


NOTES:

1. CURB CONSTRUCTION AND CONTRACTION JOINTS LOCATIONS NOT TO EXCEED 10 FEET.
2. SAWCUT CONTRACTION JOINTS 1/8" WIDE BY 1-1/2" DEEP AS SOON AS CONCRETE HAS HARDENED SUFFICIENTLY TO PREVENT RAVELING OR DISLODGING OF AGGREGATES.
3. SAWCUT CONSTRUCTION JOINTS 1/8" WIDE BY 1" DEEP, SIMILAR TO DETAIL 3A, SHEET SD3. VERIFY JOINT LOCATIONS WITH THE OWNER'S REPRESENTATIVE.
4. THIS CURB TYPE IS TO BE USED ALONG THE CURB LINE ADJACENT TO THE TANK PAVEMENT. SEE PLAN FOR LOCATION.
5. USE THIS CURB TYPE WHEN TANK ARE ADJACENT TO CURB IN EDO AREA

3 SD6 TANK AREA CURB DETAIL

NTS

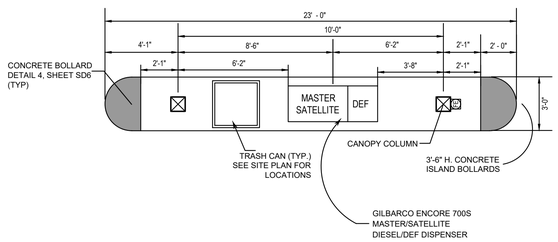


NOTES:

1. BUMPER POSTS TO BE PLUMB AND ALIGNED IN A STRAIGHT LINE AND FILLED WITH CONCRETE.
2. TOPS TO BE GROUND SMOOTH W/ SQUARE EDGE, THE PRIMED WITH "END RUST" BY DURO AND PAINTED WITH INDUSTRIAL OIL BASED ENAMEL. COLOR TO MATCH DECORATIVE LIGHT POLES.
3. REFER TO PAVING PLAN FOR EXACT CONCRETE THICKNESS.
4. REFER TO PAVING PLAN FOR CONCRETE COMPRESSIVE STRENGTH & SUBGRADE COMPACTION REQUIREMENTS.

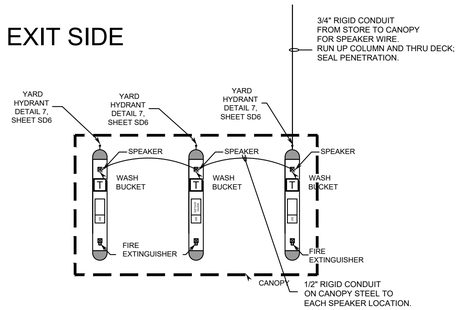
4 SD6 DIESEL CANOPY BOLLARD DETAIL

NTS



5 SD6 EDO DISPENSER ISLAND DETAIL

NTS

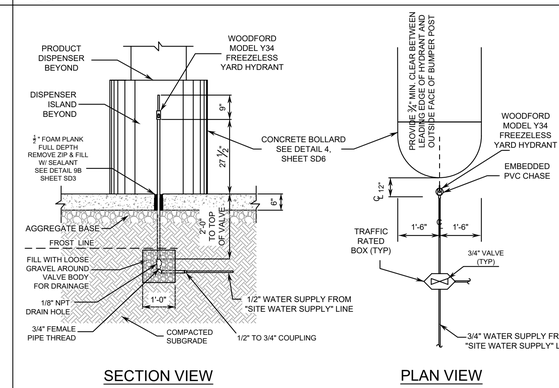


NOTES:

1. SINGLE ROW OF EIGHT (8) DOUBLE COLUMN MPD'S.
2. SEVEN (7) FUELING POSITIONS.
3. REFER TO CANOPY PLANS FOR CANOPY DIMENSIONS AND COLUMN LOCATIONS.

6 SD6 EDO CANOPY ACCESSORIES LAYOUT

NTS

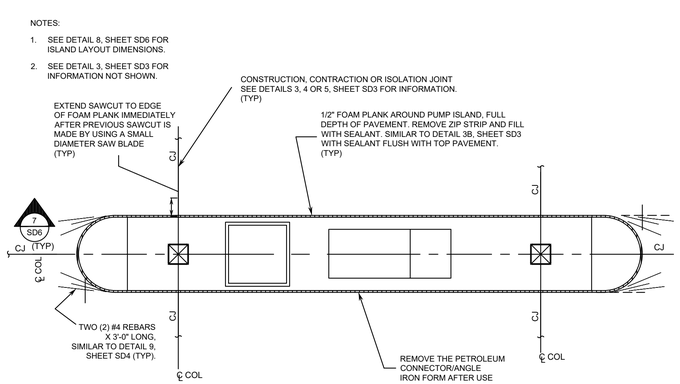


NOTES:

1. SEE "SITE PLAN" FOR EXACT LOCATIONS.
2. REFER TO PAVING PLAN FOR EXACT CONCRETE THICKNESS.
3. REFER TO PAVING PLAN FOR CONCRETE COMPRESSIVE STRENGTH & SUBGRADE COMPACTION REQUIREMENTS.

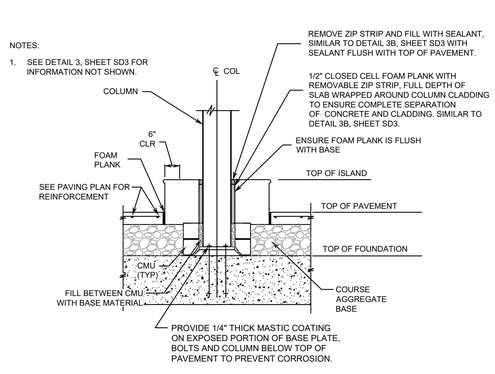
7 SD6 YARD HYDRANT DETAIL

NTS



8 SD6 CONCRETE DETAIL @ DISPENSER ISLAND

NTS



9 SD6 CANOPY COLUMN SECTION WITH COLUMN CLADDING

NTS

THESE PLANS ARE SUBJECT TO FEDERAL COPYRIGHT LAWS. ANY USE OF SAME WITHOUT THE EXPRESS WRITTEN PERMISSION OF RACETRAC PETROLEUM, INC. IS PROHIBITED.

RACETRAC PETROLEUM, INC.
200 GALLERIA PARKWAY SE
SUITE 900 ATLANTA, GA 30339
(770) 431-7600

STANDARD DETAILS

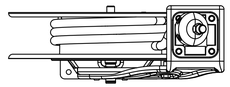
RACETRAC MARKET 1635

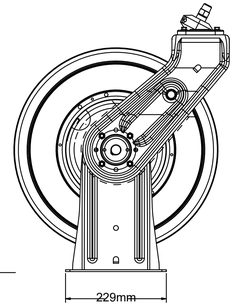
500 MERIWEATHER ROAD
LAND LOT 185, 2ND DISTRICT
318TH GEORGIA MILITIA DISTRICT
BALDWIN COUNTY, GEORGIA

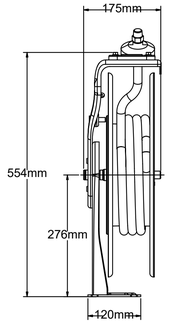
DRAWN-BY	KBEL
DATE	5/22/2024
SCALE	
DRAWING NAME:	RT Standard Details (2024).dwg
SD6	
SHEET NO.	VERSION

NO.	DATE

H:\5416\5416 RT Standard Details (2024).dwg Aug 28, 2024 - 11:13am





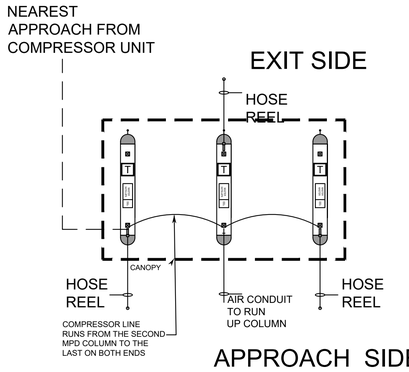


METRIC - ASME Y14.5M
UNLESS OTHERWISE NOTED: DIMENSIONS ARE IN MILLIMETERS SILICONE-FREE STD 4,1208 DIM & TOL STD 1,0402 & ASME Y14,5M - 1994 TOLERANCES: SEE GRACO STANDARDS CENTERLINE VARIANCE STD 1,0406 HOLES STD 1,0407 SHEET METAL STD 4,0100 PLATED & HT TR PARTS STD 1,0409 BURRS & EDGES STD 1,0420 THREADS STD 1,0425 SURFACE ROUGHNESS STD 1,0445
DECIMALS ANGLES X .X .XX ±1 ±0.5 ±0.20 ±0.5°

GRACO

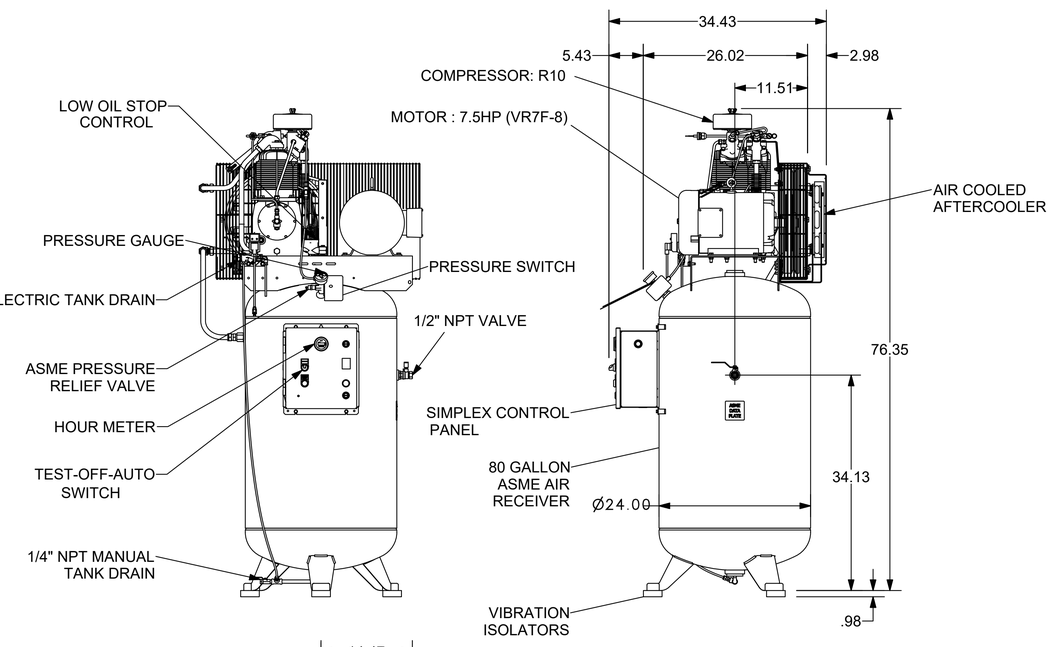
1 / SD7 SERIES F - AIR HOSE REEL

NOTES:
1.NTS; PRINT FOR REFERENCE ONLY.
2. SEE MANUAL FOR MOUNTING DIMENSIONS



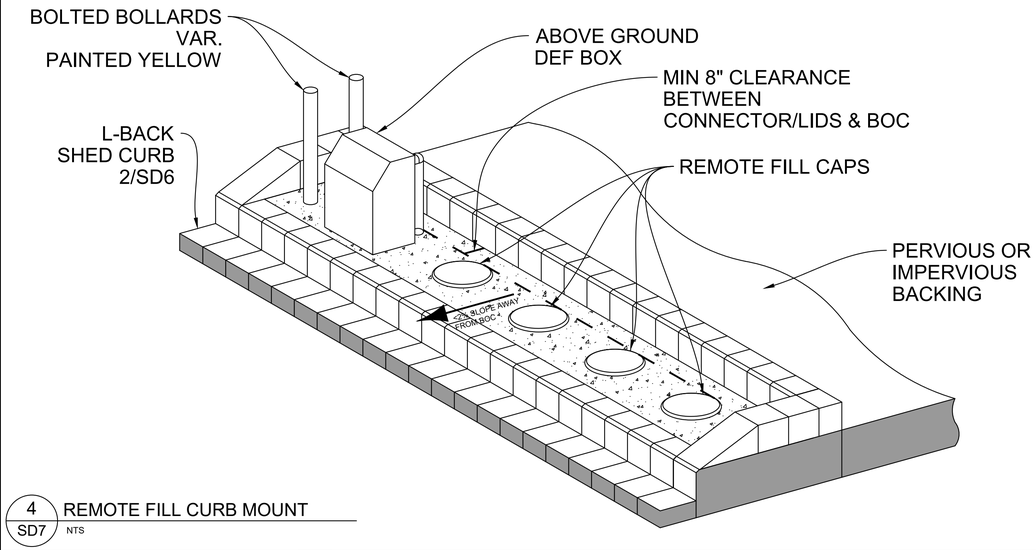
3 / SD7 EDO CANOPY - AIR COMPRESSOR/HOSE LAYOUT

NOTES:
1. NTS
2. HOSE REEL LOCATION ALTERNATES FROM TO APPROACH SIDE
3. REFERENCE 6/SD6 FOR ALL OTHER ACCESSORY LAYOUTS



2 / SD7 0800-OUTLINE-BARE UNIT, 80GL ELECTRIC

NOTES:
1. NTS
2. SPECIFICATIONS AND DIMENSIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE OR OBLIGATION.
3. ALL DIMENSIONS ARE IN INCHES.



4 / SD7 REMOTE FILL CURB MOUNT
NTS

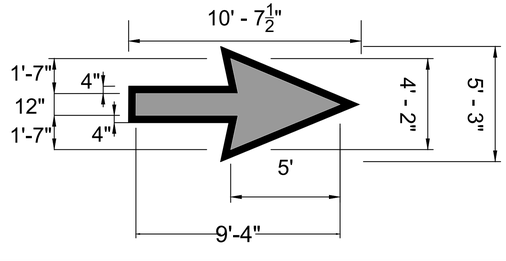
USTC SUPREME TRAFFIC LINE MARKING PAINT, YELLOW

USTC SUPREME TRAFFIC LINE MARKING PAINT, BLACK

STRIPING WIDTHS		
	YELLOW BAND	BLACK OUTLINE
PARKING LINE	0'-8"	0'-4"
PARKING TEXT	4' TALL	0'-4"
STOP BAR	2'-0"	N/A
VAR. ARROWS	1' TO 1'-3" (SEE DOT MANUAL)	0'-4"

5 / SD7 TRUCK COURT PAINT SPEC
NTS

NOTE:
- REFER TO LOCAL DOT CONSTRUCTION DETAILS ON PAVEMENT ARROW MARKING DIMENSIONS AND DESIGN WHEN APPLICABLE.
- CONFIRM LOCAL JURISDICTION REQUIREMENTS ON PAINT COLOR
- STANDARD MUTCD 48" STENCIL; IF 48" UNAVAILABLE, COORDINATE WITH CPM ON ALTERNATIVE



FINISH OF CHAMFERS AND FILLETS TO CONFORM TO ROUGHEST ADJACENT AREA. SURFACE ROUGHNESS MAXIMUM PER ASME B46.1. FULL THREAD DEPTHS ARE MINIMUM.	CONFIDENTIAL - THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF GARDNER DENVER, INC. IT IS NOT FOR PUBLIC DISCLOSURE. POSSESSION OF THE INFORMATION DOES NOT CONVEY ANY RIGHT TO LOAN, SELL OR DISCLOSE THE INFORMATION. UNAUTHORIZED REPRODUCTION OR USE OF THE INFORMATION IS PROHIBITED. THIS DOCUMENT IS TO BE RETURNED TO GARDNER DENVER, INC. UPON THE COMPLETION OF THE PURPOSE FOR WHICH IT IS LOANED OR UPON REQUEST.
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOL. ON DECIMALS: .X = ± .05 TOL. ON DECIMALS: .XX = ± .02 TOL. ON DECIMALS: .XXX = ± AS SPECIFIED TOL. ON ANGLES: = ± 0'-30'	DIMENSIONING AND TOLERANCING PER ASME Y14.5-2009 THREADS PER ASME B1.1 GAGING SYSTEM 21 U.O.S., ANSI B1.20.1 & B1.20.3
THIRD ANGLE PROJECTION	Gardner Denver Gardner Denver Inc. Quincy, IL.

THESE PLANS ARE SUBJECT TO FEDERAL COPYRIGHT LAWS. ANY USE OF SAME WITHOUT THE EXPRESSED, WRITTEN PERMISSION OF RACETRAC PETROLEUM, INC. IS PROHIBITED.

RaceTrac.

RACETRAC PETROLEUM, INC.
200 GALLERIA PARKWAY SE
SUITE 900 ATLANTA, GA 30339
(770) 431-7600

STANDARD DETAILS

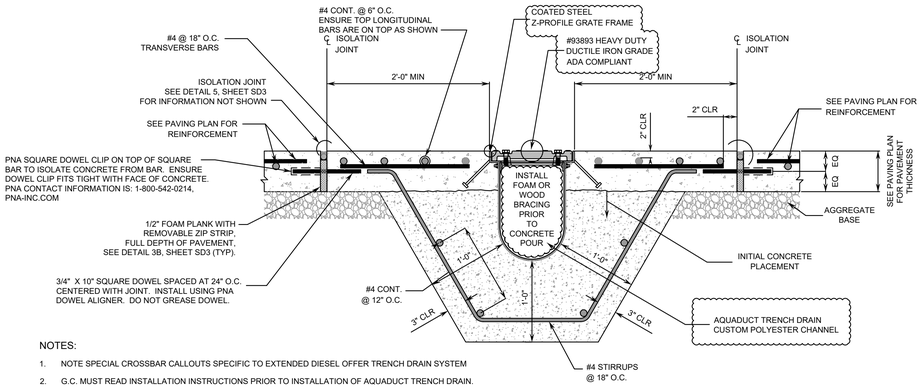
RACETRAC MARKET 1635

500 MERIWEATHER ROAD
LAND LOT 185, 2ND DISTRICT
318TH GEORGIA MILITIA DISTRICT
BALDWIN COUNTY, GEORGIA

DRAWN-BY	KBEL
DATE	5/22/2024
SCALE	
DRAWING NAME:	RT Standard Details (2024).dwg
SD7	
SHEET NO.	VERSION

NO.	DATE

H:\5x416\5x416 RT Standard Details (2024).dwg Aug 28, 2024 - 11:13am

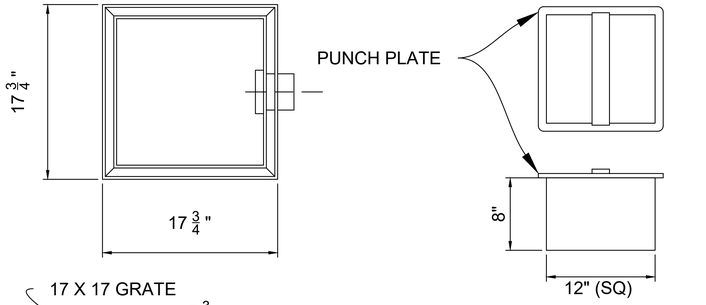


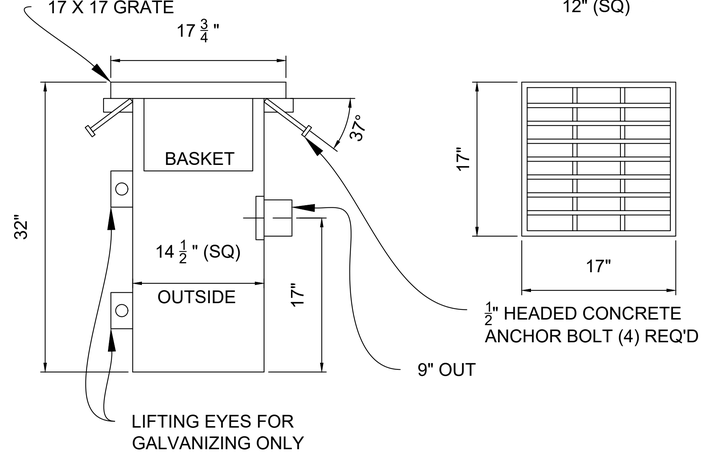
NOTES:

1. NOTE SPECIAL CROSSBAR CALLOUTS SPECIFIC TO EXTENDED DIESEL OFFER TRENCH DRAIN SYSTEM
2. G.C. MUST READ INSTALLATION INSTRUCTIONS PRIOR TO INSTALLATION OF AQUADUCT TRENCH DRAIN.
3. REFER TO DETAIL 6, SHEET SD2 FOR BRACING RECOMMENDATIONS.
4. SOME PROJECTS MAY HAVE MULTIPLE TRENCH DRAINS ON SITE. (REFER TO "GRADING PLAN" FOR EXACT LOCATIONS.)
5. EACH TRENCH DRAIN IS INDIVIDUALLY DESIGNED AND SIZED BY AQUADUCT, INC. (REFERE TO DESIGN SPECS FOR EXACT SIZING.)
6. REFERENCE (6 / SD2) FOR BRACING DETAILS

1 / SD8 TYP. CONCRETE DETAIL FOR RT EXTENDED DIESEL OFFER AQUADUCT CUSTOM 8" TRENCH DRAIN SYSTEM

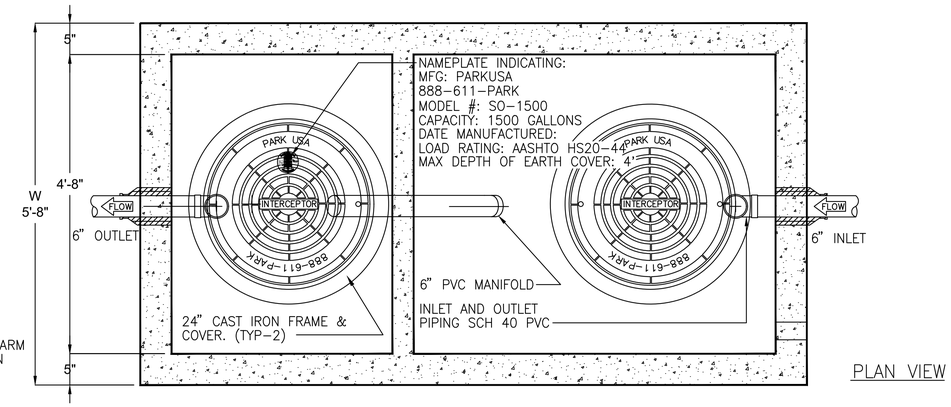
NTS



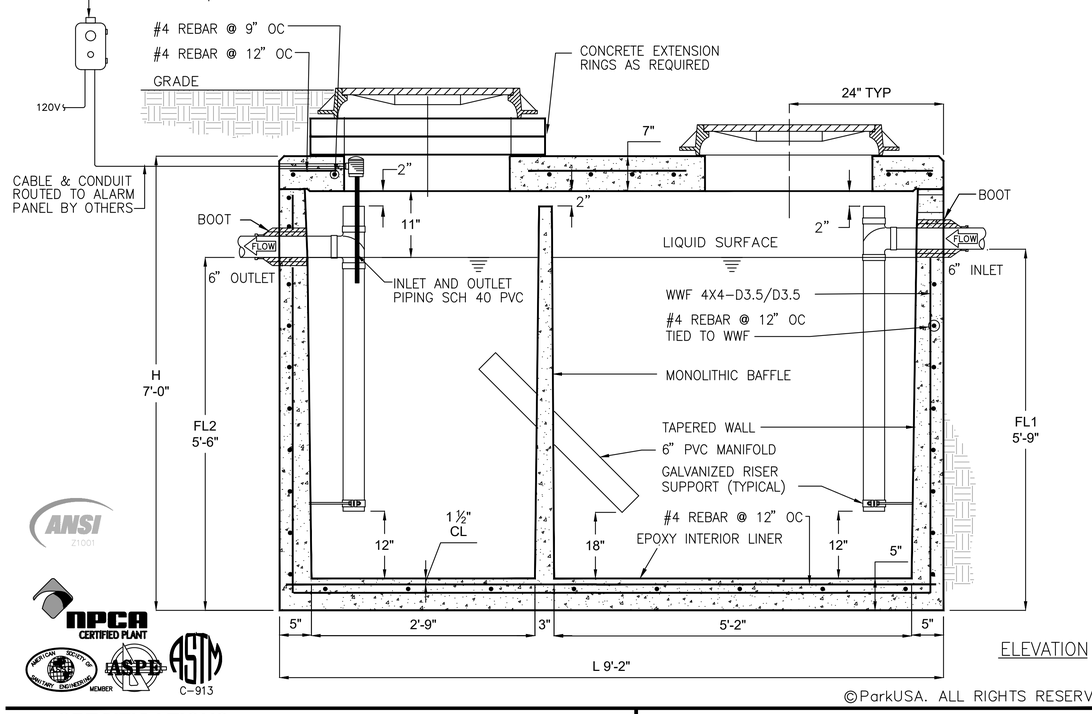


2 / SD8 DIESEL ISLAND CATCH BASIN (TYP.)

NTS



PLAN VIEW



ELEVATION

©ParkUSA. ALL RIGHTS RESERVED.

SPECIFICATIONS

CONCRETE: CLASS I/II CONCRETE WITH DESIGN STRENGTH OF 4500 PSI AT 28 DAYS. UNITS IS MONOLITHIC CONSTRUCTION AT FLOOR, FIRST STAGE OF WALL AND BAFFLE WITH SECTIONAL RISER TO REQUIRED DEPTH. GROSS EMPTY WEIGHT OF APPROXIMATELY 13,250 LBS. CONCRETE MATERIAL REQUIREMENTS SHALL COMPLY WITH THE "MATERIALS AND MANUFACTURERS SECTION OF ASTM C1613".

REINFORCEMENT: GRADE 60 REINFORCED WITH STEEL REBAR CONFORMING TO ASTM A615 ON REQUIRED CENTERS OR EQUAL. STRUCTURAL DESIGN IS BASED ON AASHTO HS-20 LOADING. REBAR #4, WWF 4X4-D3.5/D3.5

C.I. CASTINGS: MANHOLE FRAMES, COVERS, OR GRATES ARE MANUFACTURED OF GREY CAST IRON CONFORMING TO ASTM A48 CLASS 30. MANHOLE SHALL BAVE 24 INCH INSIDE DIAMETER AND BE TRAFFIC DUTY.

ENGINEERING DATA

INTERCEPTOR IS STRUCTURALLY AND HYDRAULICALLY ENGINEERED. NOMINAL LIQUID CAPACITY IS 1500 GALLONS. MANUFACTURER SHALL PROVIDE ENGINEER CERTIFIED SUBMITTAL DRAWINGS UPON REQUEST UPON REQUEST. FIELD EXCAVATION AND PREPARATION SHALL BE COMPLETED PRIOR TO DELIVERY OF INTERCEPTOR. USE DIMENSIONAL DATA AS SHOWN.

NOTES:

1. Contractor to place OTA-600 alarm within 500 feet of oil water separator. CAT-5 cable to be run from building data closet to alarm location, the maximum length of the CAT-5 cable is 350 feet.

888.611.PARK
www.parkusa.com
PARK USA
DESIGN FOR WATER

SAND/OIL TRAP SO-1500
MODEL SIZE 1,500 GALLONS

3 / SD8 OIL WATER SEPERATOR

IF PARKUSA OIL TRAP UNAVAILABLE, COORDINATE WITH CPM FOR EQUIVALENT

NO.	DATE

THESE PLANS ARE SUBJECT TO FEDERAL COPYRIGHT LAWS. ANY USE OF SAME WITHOUT THE EXPRESSED, WRITTEN PERMISSION OF RACETRAC PETROLEUM, INC. IS PROHIBITED.

RaceTrac.

RACETRAC PETROLEUM, INC.
200 GALLERIA PARKWAY SE
SUITE 900 ATLANTA, GA 30339
(770) 431-7600

STANDARD DETAILS

RACETRAC MARKET 1635

500 MERIWEATHER ROAD
LAND LOT 185, 2ND DISTRICT
318TH GEORGIA MILITIA DISTRICT
BALDWIN COUNTY, GEORGIA

DRAWN-BY	KBEL
DATE	5/22/2024
SCALE	
DRAWING NAME:	RT Standard Details (2024).dwg
SD8	
SHEET NO.	VERSION

H:\5416\5416 RT Standard Details (2024).dwg Aug 28, 2024 - 11:13am

PLANT SCHEDULE

Symbol	Qty	Botanical Name	Common Name	Scheduled Size	Remarks
		Trees			
	3	Ilex x 'Conaf'	Oak Leaf Holly	6'-8' Hgt.	Full to Ground
	3	Vitex agnus-castus	Vitex	15 Gal.; 1.5" Cal.	Multi-trunked
		Shrubs			
	16	Abelia x chinensis 'Rose Creek'	Rose Creek Abelia	3 Gal	
	15	Ilex cornuta 'Needlepoint'	Needlepoint Holly	3 Gal	
	54	Miscanthus sinensis 'Little Zebra'	Little Zebra Grass	3 Gal.	
×	0				
		Groundcovers			
	11,411	Cynodon dactylon	Common Bermuda Grass	SF; Seed	See notes & specifications.
	72,698	Cynodon dactylon	Common Bermuda Grass	SF; Sod	See notes & specifications.

LEGEND

- X — EXISTING TREE TO BE REMOVED
- • — EXISTING TREE TO REMAIN
- TREE PROTECTION FENCING

MERIWETHER ROAD
80' RIGHT OF WAY
POSTED 45 MPH
N. COLUMBIA STREET
US HIGHWAY 441
GEORGIA HIGHWAY 24
RIGHT OF WAY VARIES
POSTED 55 MPH

RACETRAC MARKET TBD
3,500 SQ. FT.
F.F.E.= 422.64
BLDG. HEIGHT = 23'-0"

NOW OR FORMERLY
ALIGNED PARTNERS MILLEDGEVILLE, LLC
500 MERIWETHER ROAD
DB 1508 PG 482
TAX ID 084 002G
NO CURRENT ZONING

NOW OR FORMERLY
FELLOWSHIP MILLEDGEVILLE IL, LLC
2992 N. COLUMBIA STREET
DB 1519 PG 587
TAX ID 084 002F
NO CURRENT ZONING

SOD
Seed Only As Needed
Sod Only As Needed
SEED
15-Needlepoint Holly
3-Oak Leaf Holly
19-Little Zebra Grass
35-Little Zebra Grass
16-Rose Creek Abelia
3-Vitex
Tree Protection Fence
2-Existing Tree to Remain
35' STREET SETBACK
TBM=TOP OF SANITARY SEWER MANHOLE EL = 423.39' (MSL)

0 30 60 FT

Know what's below. Call before you dig. 811

PERMIT

manley LAND DESIGN
Landscape Architecture
770.442.8171 tel
770.442.1123 fax
Manley Land Design, Inc.
51 Old Canton Street
Alpharetta, Georgia 30009
manleylanddesign.com

RACEWAY

RACEWAY PROJECT TBD

500 MERIWETHER ROAD
MILLEDGEVILLE, GEORGIA 31061
BALDWIN COUNTY

GEORGIA REGISTERED No. LA001778 LANDSCAPE ARCHITECT Aaron Dennis Neuhof

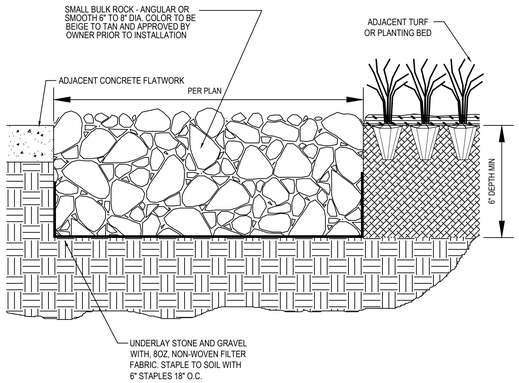
REVISION SCHEDULE

NO.	DATE	DESCRIPTION

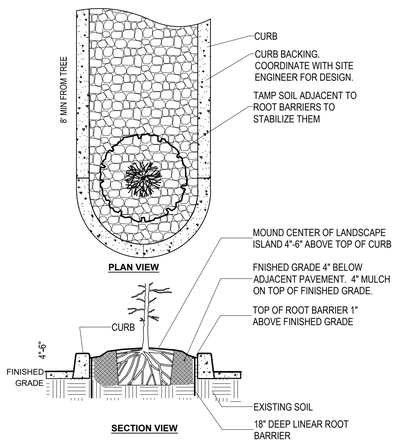
MLD PROJECT #	2023290
DRAWN BY	DO
CHECKED BY	ADN
DATE	1/29/24

LANDSCAPE PLAN

L-1.1

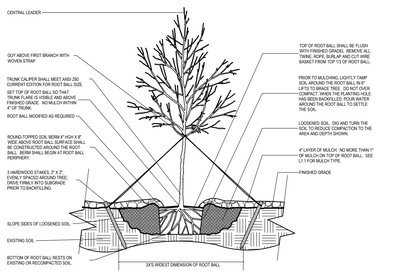


1 SIGNATURE RIVER ROCK MULCH
L1.2 NTS

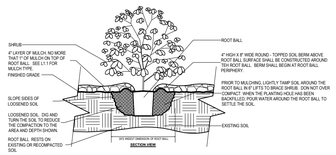


6 ROOT BARRIERS - PARKING LOT ISLANDS
L1.2 NTS

Notes:
1- Root barriers shall be installed per manufacturer's specifications and recommendations.
2- Root barriers shall be installed when root ball is located within 8' of pavement.

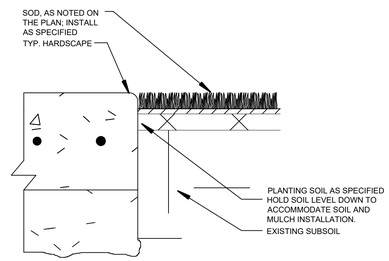


2 TREE STAKING AND PLANTING DETAIL
L1.2 NTS

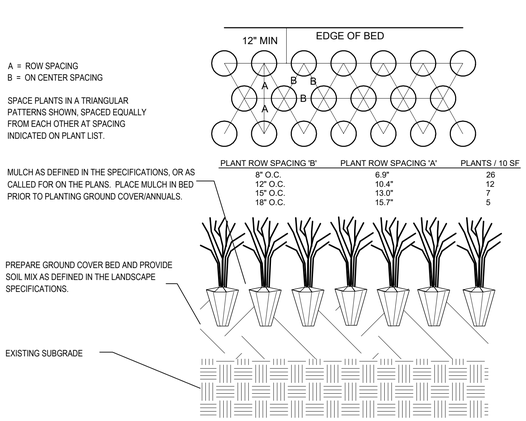


3 SHRUB PLANTING DETAIL
L1.2 NTS

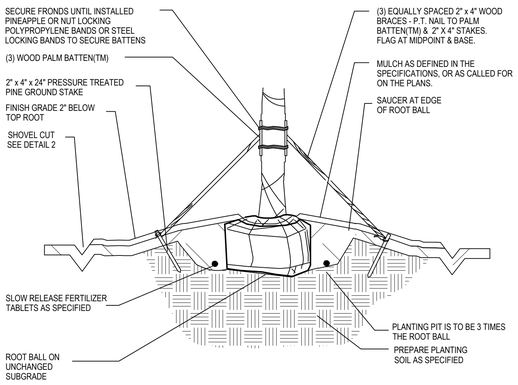
CONTRACTOR TO GRADE AREAS ADJACENT TO SIDEWALK AND PAVEMENT SO THAT INSTALLED SOD OR LANDSCAPING DOES NOT PREVENT POSITIVE DRAINAGE OFF SIDEWALK OR PAVEMENT.



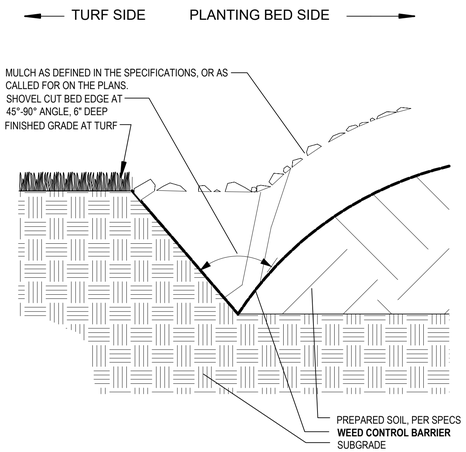
7 SOD OR MULCH INSTALLATION AGAINST HARDSCAPE
L1.2 NTS



4 GROUND COVER PLANTING
L1.2 NTS



5 PALM TREE STAKING
L1.2 NTS



8 SHOVEL CUT BED EDGE
L1.2 NTS

AGENDA ITEMS

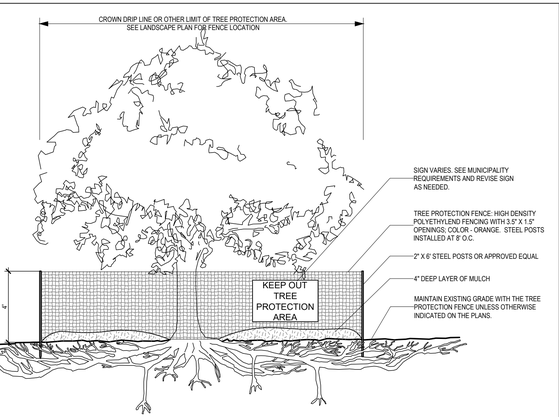
1. SCHEDULE
   a. LANDSCAPE ARCHITECT TO CONTRACT WITH RACETRAC FOR CONSTRUCTION ADMINISTRATION.
   b. ARE THE CONSTRUCTION PROJECT MANAGER OR LANDSCAPE CONTRACTOR PRESENT?
   c. HAS A START DATE BEEN TARGETED AND TIME FRAMES LAID OUT?
   d. HAVE THE OTHER REQUIRED ON-SITE MEETINGS BEEN DISCUSSED?
   e. IS EVERYONE ON THE SAME PAGE MOVING FORWARD?
2. TOP SOIL
   a. WHO IS BRINGING IT TO THE SITE?
   b. WHEN SHOULD IT BE BROUGHT TO THE SITE?
   c. WHERE WILL IT BE STOCKPILED?
3. PLAN REVIEW
   a. HAS IT BEEN STRESSED THAT WE PREFER ROLLED SOD OVER SQUARE PALLETS WHERE APPLICABLE?
   b. ARE THE IRRIGATION SLEEVES IN THEIR PROPER LOCATION?
   c. WILL STRUCTURES / UTILITIES PREVENT THE IRRIGATION MAINLINE FROM BEING THREE (3) FEET OFF OF CURB?
4. SUBMITTALS / APPROVALS
   a. IS THE LANDSCAPE CONTRACTOR CLEAR ON WHAT ALL NEEDS TO BE SELECTED (TAGGED) AND SEEN BEFORE SHOWING UP ON SITE?
      1. PICTURES OF SHRUBS, SOD, INDIVIDUAL TREES, ROCK MULCH.
5. PRICE SIGN LOCATION
   a. HAS THE SIGN SPOTTING BEEN DONE AND IS THE CURRENT LOCATION CONFIRMED?
   b. IF THE LOCATION MAY CHANGE, HAS IT BEEN DISCUSSED HOW EVERYONE WILL BE NOTIFIED?
   c. **DOES ANY LANDSCAPING AFFECT THE VISIBILITY OF THE SIGN?**
6. MISCELLANEOUS
   a. HAVE CIRCUMSTANCES UNIQUE TO THE SITE BEEN DISCUSSED?
   b. DOES ANYONE AT THE MEETING HAVE ANY QUESTIONS OR CONCERNS ABOUT THEIR RESPONSIBILITIES MOVING FORWARD WITH THE PROJECT?

12 LANDSCAPE PRE-CON MEETING AGENDA
L1.2 NTS

LANDSCAPE NOTES

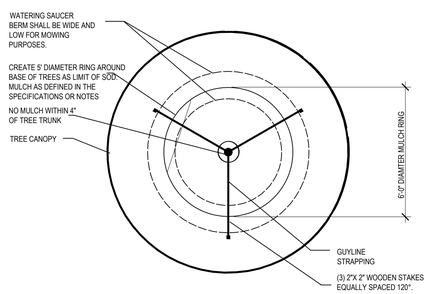
1. Contractor responsible for locating and protecting all underground utilities prior to digging.
2. **Contractor responsible for protecting existing trees from damage during construction as shown on plans.**
3. General Contractor to install 4" minimum depth of clean, friable topsoil at all planting beds and 4" minimum depth at lawn areas prior to fine grading. See Topsoil specification.
4. All shrub beds (existing and new) to be mulched with a 4 inch minimum layer of rock mulch. Rock as defined in the landscape specifications.
5. Existing grass in proposed planting areas to be killed and removed and area to be hand raked to remove all rocks and debris larger than 1 inch in diameter prior to planting shrubs or laying sod. Landscape Contractor to provide fine grading. See grading specification.
6. Any existing grass disturbed during construction to be fully removed, regraded and replaced. **All tire marks and indentions to be repaired. No exceptions.**
7. Landscape Contractor to coordinate with Landscape Architect (L.A.) in the selection of plant material prior to shipment of plant material to site. Photographs to be submitted to L.A. and RaceTrac Project Manager for approval or rejection. Photographs shall show scale and container size of plant material. All trees to be photographed individually for approval by L.A. Shrubs and other plants to be photographed in grouping with one photograph of single plant submitted also, see submittal specification.
8. **Soil to be tested to determine fertilizer and lime requirements and distributed prior to laying sod as directed by L.A. Provide results to L.A. and RaceTrac Project Manager.**
9. Sod to be delivered fresh (Cut less than 24 hours prior to arriving on site), laid immediately, rolled, and watered thoroughly immediately after planting. Edge of sod adjacent to mulch beds to be shovel cut as detailed. All sod to be delivered in largest rolls available. There shall be no gaps between sod joints.
10. All changes to design or plant substitutions are to be authorized in writing by the Landscape Architect, RaceTrac Construction Project Manager, and Engineering Project Manager.
11. Planting Mix to be provided as specified in the landscape specifications.
12. All plant material shall conform to the latest edition of American Standard for Nursery Stock (ANSI Z60.1)
13. The Landscape Contractor shall guarantee all plants installed for one full year from date of acceptance by RaceTrac. All plants shall be alive and at a vigorous rate of growth at the end of the guarantee period. The Landscape Contractor shall not be responsible for acts of God or vandalism.
14. Any plant that is determined dead, in an unhealthy or unsightly condition, lost its shape due to dead branches or other symptoms of poor, non-vigorous growth, as determined by the Landscape Architect, shall be replaced by the Landscape Contractor at no cost to RaceTrac.
15. General Contractor to mound all parking islands 4" - 6" with clean screened topsoil; see specification and detail.
16. Prior to installation, the Landscape Contractor shall inspect the subgrade, general site conditions, verify elevations, utility locations, irrigation, approve topsoil provided by General Contractor and observe the site conditions under which the work is to be done. Notify General Contractor of any unsatisfactory conditions, and work shall not proceed until such conditions have been corrected and are acceptable to the Landscape Architect, Landscape Contractor and RaceTrac Construction Manager.
17. Stake all evergreen and deciduous trees as noted in the specifications.
18. Remove all stakes and guying from all trees after one year from planting.
19. Water all plant material that are newly planted thoroughly twice in first 24 hours and apply mulch immediately.
20. **Site to be 100% irrigated in all planting beds and grass area by an automatic underground irrigation system.**
21. All tree protection devices to be installed by General Contractor prior to the start of land disturbance, and maintained until final landscaping.
22. All tree protection areas to be protected from sedimentation.
23. All tree protection fencing to be inspected daily, and repaired or replaced as needed or as instructed by L.A.
24. No parking, walking, storage or other construction activities shall occur within tree protection areas.
25. Landscape Contractor shall provide a 1 year maintenance period under separate contract following acceptance by the Landscape Architect and RaceTrac Construction Manager. **Maintenance contract to be assigned through RaceTrac Maintenance Department.**
26. These drawings are intended to be printed on 24x36 paper. Printing the drawings at a different size will impact the scale. Verify the graphic scale before referencing any measurements on these sheets. Recipient of these drawings shall be responsible for any errors resulting from incorrect printing, copying, or any other changes that alter the scale of the drawings.
27. Verify all plan dimensions prior to start of construction.
28. Coordinate site access, staging, storage and cleanout areas with owner's representative
29. Contractor shall be responsible for protection of their material stockpiles and work from vandalism, erosion or unintended disturbance during the construction period and until final acceptance is issued.
30. Contractor is responsible for providing temporary safety fencing and barriers around all improvements such as walls, play structures, excavations, etc. associated with their work until such facilities are completely installed per the plans, specifications and manufacturer's recommendations.
31. Local, state and federal jurisdictional requirements, restrictions or procedures shall supersede these plans, notes and specifications when more stringent. **Notify the owner's representative if conflicts occur.**

13 TYPICAL LANDSCAPE NOTES
L1.2 NTS

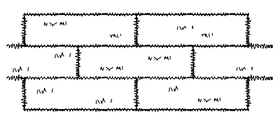


9 TREE PROTECTION FENCING DETAIL
L1.2 NTS

NOTES:
1. SEE LANDSCAPE NOTES FOR ADDITIONAL TREE PROTECTION REQUIREMENTS
2. NO PRUNING SHALL BE PERFORMED ON EXISTING TREES EXCEPT BY APPROVED ARBORIST.
3. NO EQUIPMENT SHALL OPERATE INSIDE OF THE PROTECTIVE FENCING INCLUDING DURING FENCE INSTALLATION AND REMOVAL.
4. SEE SITE PREPARATION PLAN FOR ANY MODIFICATION WITH THE TREE PROTECTION AREA.

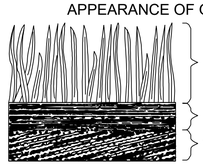


10 TREE PLANTED IN LAWNS
L1.2 NTS



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.

APPEARANCE OF GOOD SOD



SOD PLANTING REQUIREMENTS

GRASS	VARIETIES	RESOURCE AREA	GROWING SEASON
BERMUDA GRASS	COMMON	M-L,P,C	WARM WEATHER
	TIFWAY	P,C	
	TIFGREEN	P,C	
	TIFLAWN	P,C	
BAHIA GRASS	PENSACOLA	P,C	WARM WEATHER
CENTIPEDE	-	P,C	WARM WEATHER
ST. AUGUSTINE	COMMON	C	WARM WEATHER
	BITTERBLUE		
	RALEIGH		
ZOYSIA	EMERALD MEYER	P,C	WARM WEATHER
TALL FESCUE	KENTUCKY	M-L,P	COOL WEATHER

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	6-12-12	1500	50-100
	SECOND MAINTENANCE	6-12-12	1000	-
		10-10-10	400	30
WARM SEASON GRASSES	FIRST	6-12-12	1500	50-100
	SECOND MAINTENANCE	6-12-12	800	50-100
		10-10-10	400	30

NOTE: NO ROLLED SOD IN FLORIDA

FERTILIZER REQUIREMENTS FOR SOIL SURFACE APPLICATION

FERTILIZER TYPE	FERTILIZER RATE (lbs/acre)	FERTILIZER RATE (lbs/sq ft)	SEASON
10-10-10	1000	.025	FALL

11 SOD INSTALLATION DETAILS
L1.2 NTS

manley LAND DESIGN
Landscape Architecture
770.442.8171 tel
770.442.1123 fax
Manley Land Design, Inc.
51 Old Canton Street
Alpharetta, Georgia 30009
manleylanddesign.com

RACEWAY

RACEWAY PROJECT TBD
500 MERIWETHER ROAD
MILLEDGEVILLE, GEORGIA 31061
BALDWIN COUNTY

GEORGIA REGISTERED LANDSCAPE ARCHITECT No. LA001176 Jason Dennis Neitzel

REVISION SCHEDULE

NO.	DATE	DESCRIPTION

MLD PROJECT #	2023290
DRAWN BY	DO
CHECKED BY	ADN
DATE	1/29/24

LANDSCAPE DETAILS

PERMIT

L-1.2

LANDSCAPE SPECIFICATIONS

PART 1 - GENERAL

DESCRIPTION
Provide trees, shrubs, groundcovers, sod, and annuals/perennials as shown and specified on the landscape plan. The work includes:

1. Soil preparation.
2. Trees, shrubs, groundcovers, and annuals/perennials.
3. Planting mixes.
4. Top Soil, Mulch and Planting accessories.
5. Maintenance.
6. Decorative stone.

Related Work:

1. Irrigation System.

QUALITY ASSURANCE
Plant names indicated; comply with “Standardized Plant Names” as adopted by the latest edition of the American Joint Committee of Horticultural Nomenclature. Names of varieties not listed conform generally with names accepted by the nursery trade. Provide stock true to botanical name and legibly tagged.

Comply with sizing and grading standards of the latest edition of “American Standard for Nursery Stock”. A plant shall be dimensioned as it stands in its natural position.

All plants shall be nursery grown under climatic conditions similar to those in the locality of the project for a minimum of 2 years.

Nursery Stock furnished shall be at least the minimum size indicated. Larger stock is acceptable, at no additional cost, and providing that the larger plants will not be cut back to size indicated. Provide plants indicated by two measurements so that only a maximum of 25% are of the minimum size indicated and 75% are of the maximum size indicated.

Before submitting a bid, the Contractor should have investigated the sources of supply and be satisfied that they can supply the listed plants in the size, variety and quality as specified. The Landscape Architect shall approve any substitutes of plant material, or changes in plant material size, prior to the Landscape Contractor submitting a bid.

DELIVER, STORAGE AND HANDLING
Take all precautions customary in good trade practice in preparing plants for moving. Workmanship that fails to meet the highest standards will be rejected. Spray deciduous plants in foliage with an approved “Anti-Desiccant” immediately after digging to prevent dehydration. Dig, pack, transport, and handle plants with care to ensure protection against injury. Inspection certificates required by law shall accompany each shipment invoice or order to stock. Protect all plants from drying out. If plants cannot be planted immediately upon delivery, properly protect them with soil, wet peat moss, or in a manner acceptable to the Landscape Architect. Water heeled-in plantings daily. No plant shall be bound with rope or wire in a manner that could damage or break the branches. Cover plants transported on open vehicles with a protective covering to prevent wind burn.

PROJECT CONDITIONS
Protect existing utilities, paving, and other facilities from damage caused by landscape operations.

A complete list of plants, including a schedule of sizes, quantities, and other requirements are shown on the drawings. In the event that quantity discrepancies or material omissions occur in the plant materials list, the planting plans shall govern.

The irrigation system will be installed prior to planting. Locate, protect and maintain the irrigation system during planting operations. Repair irrigation system components damaged during planting operations; at the Contractor’s expense. Refer to the irrigation specifications, irrigation plan and irrigation details.

Do not begin landscape accessory work before completion of final grading or surfacing.

WARRANTY
Warrant plant material to remain alive, be healthy and in a vigorous condition for a period of 1 year after completion and final acceptance of entire project.

Replace, in accordance with the drawings and specifications, all plants that are dead or, are in an unhealthy, or unsightly condition, and have lost their natural shape due to dead branches, or other causes due to the Contractor’s negligence. The cost of such replacement(s) is at the Contractor’s expense. Warrant all replacement plants for 1 year after installation.

Contractor is responsible for warranty installation. Warranty shall not include damage, loss of trees, plants, or ground covers caused by fires, floods, freezing rains, lightning storms, winds over 75 miles per hour, winter kill caused by extreme cold, severe winter conditions not typical of planting area, and/or acts of vandalism or negligence on a part of the Owner.

Remove and immediately replace all plants, found to be unsatisfactory during the initial planting installation.

Maintain and protect plant material, lawns, and irrigation until final acceptance is made.

ACCEPTANCE
Inspection of planted areas will be made by the Owner’s representative.

1. Planted areas will be accepted provided all requirements, including maintenance, have been complied with and plant materials are alive and in a healthy, vigorous condition.

Upon acceptance, the Contractor shall commence the specified plant maintenance.

CODES, PERMITS AND FEES
Obtain any necessary permits for this Section of Work and pay any fees required for permits.

The entire installation shall fully comply with all local and state laws and ordinances, and with all established codes applicable thereto; and as depicted on the landscape and irrigation construction set.

PART 2 - PRODUCTS

MATERIALS
Plants: Provide typical of their species or variety; with normal, densely developed branches and vigorous, fibrous root systems. Provide only sound, healthy, vigorous plants free from defects, disfiguring knots, sun scald injuries, frost cracks, abrasions of the bark, plant diseases, insect eggs, borers, and all forms of infestation. All plants shall have a fully developed form without voids and open spaces. Plants held on storage will be rejected if they show signs of growth during the storage period.

1. Balled and plants wrapped with burlap, to have firm, natural balls of earth of sufficient diameter and depth to encompass the fibrous and feeding root system necessary for full recovery of the plant. Provide ball sizes complying with the latest edition of the “American Standard for Nursery Stock”. Cracked or mushroomed balls, or signs of circling roots are not acceptable.
2. Container-grown stock: Grown in a container for sufficient length of time for the root system to have developed to hold its soil together, firm and whole.
    a. No plants shall be loose in the container.
    b. Container stock shall not be pot bound.
3. Plants planted in rows shall be matched in form.
4. Plants larger than those specified in the plant list may be used when acceptable to the Landscape Architect.
    a. If the use of larger plants is acceptable, increase the spread of roots or root ball in proportion to the size of the plant.
5. The height of the trees, measured from the crown of the roots to the top of the top branch, shall not be less than the minimum size designated in the plant list.
6. No pruning wounds shall be present with a diameter of more than 1” and such wounds must show vigorous bark on all edges.
7. Evergreen trees shall be branched to the ground or as specified in plant list.
8. Shrubs and small plants shall meet the requirements for spread and height indicated in the plant list.
    a. The measurements for height shall be taken from the ground level to the height of the top of the plant and not the longest branch.
    b. Single stemmed or thin plants will not be accepted.
    c. Side branches shall be generous, well-twigged, and the plant as a whole well-bushed to the ground.
    d. Plants shall be in a moist, vigorous condition, free from dead wood, bruises, or other root or branch injuries.

ACCESSORIES
Topsoil: Shall be fertile, friable, natural topsoil of loamy character, without admixture of subsoil material, obtained from a well-drained arable site, reasonably free from clay, lumps, coarse sands, stones, roots, sticks, and other foreign materials, with acidity range of between pH 6.0 and 6.8.

Note: All planting areas shall be cleaned of construction debris (ie. Concrete, rubble, stones, building material, etc.) prior to adding and spreading of the top soil.

1. *Sod Areas:* Spread a minimum 4” layer of top soil and rake smooth.
2. *Planting bed areas:* Spread a minimum 4” layer of top soil and rake smooth.
3. *Landscape Islands/Medians:* Fracture/loosen existing subgrade to a minimum 24” depth. Remove and replace any subgrade unsuitable for planting. Once subgrade is clean of debris and loosened, add topsoil to a minimum berm 4”-6” height above island curbing. Hold soil level down 4” at island curbing to accommodate Mulch installation; mulch shall be flush along back of curb.
4. *Annual/Perennial bed areas:* Add a minimum of 4” organic matter and till to a minimum 12” depth.
5. At curbing, sidewalk, or landscape bed edges excavate existing material as needed to allow placement of 4” of top soil and 3”-4” of mulch. Mulch should not be at a higher elevation than the surrounding hardscape.

Mulch:
Rock as mulch shall be utilized in all plantings bed areas and in locations as indicated on the plans. Specific rock type selected will be dependent on region and availability, but in general shall meet the following guidelines.

1. Rock Mulch Spec:
    a. Shall be a mix of 2"-5” in size.
    b. In general rock shall be buff to dark brown to gray in color. No white or red rocks.
    c. Install weed control barrier over sub-grade prior to installing stone. Lap 6” on all sides.
    d. Place stone without damaging weed barrier.
    e. Arrange stones for best appearance and to cover all weed barrier fabric.
    f. Install to an even depth of 3”. Use caution during installation not to damage plant material.

When municipalities do not allow rock mulch, hardwood mulch shall be utilized.

2. Hardwood Mulch Spec:
    a. 6 month old well rotted.
    b. double shredded native hardwood bark mulch not larger than 4” in length and ½” in width.
    c. free of wood chips and sawdust.
    d. Install minimum depth of 3” and maximum depth of 4".

Guying/Staking:

1. Arbortie: Green (or white) staking and guying material to be flat, woven, polypropylene material, ¾” wide 900 lb. break strength. Arbortie shall be fastened to stakes in a manner which permits tree movement and supports the tree.
2. Remove Guying/Staking after one year from planting.

Tree Wrap: Tree wraps should be used on young, newly planted thin-barked trees (Cherry, Crabapple, Honey Locust, Linden, Maple, Mountain Ash, Plum) that are most susceptible to sun scald/sunburn. Standard waterproofed tree wrapping paper, 2-1/2” wide, made of 2 layers of crepe Draft paper weighing not less than 30 lbs. per ream, cemented together with asphalt. Wrap the tree in the fall and leave the wrap in place throughout the winter and early spring. Tree wraps are temporary and no longer needed once trees develop corky bark.

PART 3 – EXECUTION

INSPECTION
Prior to beginning work, the Landscape Contractor shall inspect the subgrade, general site conditions, verify elevations, utility locations, irrigation, approve top soil provided by the General Contractor and observe the site conditions under which the work is to be done. Notify the General Contractor of any unsatisfactory conditions, and work shall not proceed until such conditions have been corrected and are acceptable to the Landscape Contractor.

PREPARATION
Planting shall be performed only by experienced workmen familiar with planting procedures under the supervision of a qualified supervisor.

Locate plants as indicated on the plans or as approved in the field after staking by the Landscape Contractor. If obstructions are encountered that are not shown on the drawings, do not proceed with planting operations. Contact landscape architect or construction project manager to determine new location. Spacing of plant material shall be as shown on the landscape plan.

Excavate circular plant pits with vertical sides, except for plants specifically indicated to be planted in beds. Provide shrub pits at least 12” greater than the diameter of the root system and 24” greater for trees. Depth of pit shall accommodate the root system. Provide undisturbed sub grade to hold root ball at nursery grade as shown on the drawings. Root flare must be visible after planting.

Provide pre-mixed planting mixture for use around the balls and roots of the plants consisting of 50% excavated material and 50% topsoil mix. Add plant fertilizer per manufacturer's recommendation for each cu. yd. of mixture.

Provide pre-mixed ground cover bed planting mixture consisting of 4 parts screened topsoil to 1 part peat moss and plant fertilizer per manufacturer's recommendation for each cu. yd. of mixture.

Drainage Test

Randomly select a representative number of shrub plant pits in each shrub planting area and test for drainage prior to planting. Randomly select a representative number of tree plant pits and test for drainage prior to planting. Fill each selected plant pit with water and let stand for twenty-four (24) hours. Do not proceed with planting where drainage problems are apparent. Report to the Owner's Representative areas which do not drain within twenty-four (24) hours.

INSTALLATION
Set plant material in the planting pit to proper grade and alignment. Set plants upright, plumb, and faced to give the best appearance or relationship to each other or adjacent structure. Set plant material 2” – 3” above the finish grade. No filling will be permitted around trunks or stems. Backfill the pit with topsoil mix and excavated material. Do not use frozen or muddy mixtures for backfilling.

After balled and wrapped in burlap plants are set, muddle planting soil mixture around bases of balls and fill all voids.

1. Remove all burlap, ropes, and wires from the top 1/3 of the root ball.

Space ground cover plants in accordance with indicated dimensions. Adjust spacing as necessary to evenly fill planting bed with indicated quantity of plants. Plant to within 24” of the trunks of trees and shrubs within planting bed and to within 18” of edge of bed.

Mulching:

1. Mulch all planting beds and areas indicated for mulch, with required mulching material; depth of mulch as noted above. **Hold mulch back 4” away from tree trunks and shrub stems.** Thoroughly water mulched areas. When hardwood mulch is utilized, after watering, rake mulch to provide a uniform finished surface.

Rock Mulch: (when indicated on landscape plan)

1. Install weed control barrier over sub-grade prior to installing stone. Lap 6” on all sides.
2. Place stone without damaging weed barrier.
3. Arrange stones for best appearance and to cover all weed barrier fabric.

Wrapping, guying, staking:

1. Inspect trees for injury to trunks, evidence of insect infestation, and improper pruning before wrapping.
2. Wrapping:
    a. Wrap trunks of all young newly planted trees known to have thin bark. Wrap spirally from bottom to top with specified tree wrap and secure in place.
    b. Overlap ⅓ the width of the tree wrap strip and cover the trunk from the ground to the height of the second branch.
    c. Secure tree wrap in place with twine wound spirally downward in the opposite direction, tied around the tree in at least 3 places in addition to the top and bottom.
    d. Wrap the trees in the fall and leave the wrap in place throughout the winter and early spring.
    d. Tree wraps are temporary and no longer needed once the trees develop corky bark.
3. Staking/Guying:
    a. Stake/guy all trees immediately after lawn sodding operations and prior to acceptance.
    b. Stake deciduous trees 3” caliper and less. Stake evergreen trees under 8’-0” tall.
        1. Stakes are placed in line with prevailing wind direction and driven into undisturbed soil.
        2. Ties are attached to the tree, usually at the lowest branch.
    c. Guy deciduous trees over 3” caliper. Guy evergreen trees 8’-0” tall and over.
        1. Guy wires to be attached to three stakes driven into undisturbed soil, with one stake placed in the direction of the prevailing wind.
        2. Ties are attached to the tree as high as practical.
        3. The axis of the stake should be at 90 degree angle to the axis on the pull of the guy wire.

Pruning:

1. Prune branches of deciduous stock, after planting, to balance the loss of roots and preserve the natural character appropriate to the particular plant requirements. in general, remove 1/4 to 1/3 of the leaf bearing buds. Remove or cut back broken, damaged, and unsymmetrical growth of new wood.
2. Multiple leader plants: preserve the leader which will best promote the symmetry of the plant. cut branches flush with the trunk or main branch, at a point beyond a lateral shoot or bud a distance of not less than 1/2 the diameter of the supporting branch. make cut on an angle.
3. Prune evergreens only to remove broken or damaged branches.

WORKMANSHIP
During landscape/irrigation installation operations, all areas shall be kept neat and clean. Precautions shall be taken to avoid damage to existing structures. All work shall be performed in a safe manner to the operators, the occupants and any pedestrians.

Upon completion of installation operations, all excess materials, equipment, debris and waste material shall be cleaned up and removed from the site; unless provisions have been granted by the owner to use on-site trash receptacles. Sweep parking and walks clean of dirt and debris. Remove all plant tags and other debris from lawns and planting areas.

Any damage to the landscape, the structure, or the irrigation system caused by the landscape contractor shall be repaired by the landscape contractor without charge to the owner.

MAINTENANCE

1. The contractor shall, maintenance for a period of 30-days after final acceptance of the project landscaping. The contractor must be able to provide continued maintenance if requested by the owner or provide the name of a reputable landscape contractor who can provide maintenance.
2. Maintenance shall include mowing, fertilizing, mulching, pruning, cultivating, weeding, watering, and application of appropriate insecticides and fungicides necessary to maintain plants and lawns free of insects and disease.
    a. Re-set settled plants to proper grade and position. Restore planting saucer and adjacent material and remove dead material.
    b. Tighten and repair guy wires and stakes as required. Remove guy wires after one year. guy straps are not to be too tight some slack is required.
    c. Correct defective work as soon as possible after deficiencies become apparent and weather and season permit.
    d. Water trees, plants and ground cover beds within the first 24 hours of initial planting, and not less than twice per week until final acceptance.

Cleaning
Perform cleaning during installation of the work and upon completion of the work. Remove from site all excess materials, soils, debris, and equipment. Repair damage resulting from planting operations.

manley LAND DESIGN
manley LAND DESIGN
770.442.8171 Tel
770.442.1123 Fax
Manley Land Design, Inc.
51 Old Canton Street
Alpharetta, Georgia 30009
manleylanddesign.com

RACEWAY

PROJECT
500 MEDLOCK BRIDGE ROAD
MILTON, FULTON COUNTY
BALD EAGLE DRIVE/ICE RIDGE DRIVE
DRAWING CONTROL

GEORGIA REGISTERED No. LA001758 LANDSCAPE ARCHITECT Aaron Dennis Neitzke

REVISION SCHEDULE

NO.	DATE	DESCRIPTION

REVISION SCHEDULE

NO.	DATE	DESCRIPTION

MLD PROJECT #	2023290
DRAWN BY	DO
CHECKED BY	ADN
DRAWN BY	DO
CHECKED BY	ADN
DATE	1/29/24

LANDSCAPE STANDARDS
LANDSCAPE STANDARDS

L-1.3
L-1.3

PERMIT