



ASATO MASUYAMA. CERTIFIED DESIGN PROFESSIONAL

# MURPHEY CANDLER TRAIL - SOUTH



SOUTH

TRAIL

CANDLER TR. TE DEVELOPMENT

MURPHEY C SITE I

BMITTALS / REVISIONS

IO. DATE

DESCRIPTION

PERMIT REVISIONS

SITE DEVELOPMENT PLAN

PREPARED FOR: CITY OF BROOKHAVEN



# DO NOT BEGIN CONSTRUCTION

before the on-site pre-construction meeting with the City Land Development Inspector.

Schedule through the Project Portal: https://cityworks.brookhavenga.gov/ProjectPortal

SITE INFORMATION

PROPERTY ADDRESS: 1551 WEST NANCY CREEK DRIVE, ATLANTA, GA 30319

TOTAL SITE PROPOSED IMPERVIOUS AREA: ± 16,656 SF (0.38 AC.)

PERCENTAGE OF DISTURBED IMPERVIOUS: ± 12,6% IMPERVIOUS

PERCENTAGE OF SITE PROPOSED IMPERVIOUS: ± 0.01% IMPERVIOUS

PARCEL ID: 18 326 01 041

DEKALB COUNTY LDP AP# 3115931

PROJECT SCOPE OF WORK:

CITY OF BROOKHAVEN FILE # \_\_\_LDP22-00012\_

TOTAL SITE AREA: ± 1,602,679 SF (± 36.7924 AC.)

TOTAL DISTURBED AREA: ± 131,656 (± 3.02 AC.)

TOTAL DISTURBED IMPERVIOUS AREA: ± 0.38 ACRES

ZONING CLASS: R-100

BROOKHAVEN, GA 30319 PHONE: 404 637 0562 BRIAN BORDEN - 404.637.0562

BRIAN.BORDEN@BROOKHAVENGA.GOV

**GENERAL NOTES** 

**DEMOLITION PLAN** 

LAYOUT PLAN KEY

PLAN & PROFILE PLAN & PROFILE PLAN & PROFILE

PLAN & PROFILE

PLAN & PROFILE

PLAN & PROFILE

**ESPC NOTES** 

**ESPC NOTES** 

**ESPC NOTES** 

ESPC PLAN KEY SHEET

ESPC INITIAL PHASE

**ESPC INITIAL PHASE** 

ESPC FINAL PHASE

ESPC FINAL PHASE

ESPC DETAILS

**ESPC DETAILS** 

SITE DETAILS

SITE DETAILS

SITE DETAILS

SITE DETAILS - LOW CROSSING

Sheet Number Sheet Title

C0.00

C0.02

C0.04

C1.01

2 \ C1.06

C3.01

C3.04

C3.12

C3.21

C3.31

C3.32

C3.40

C3.41

C4.00

C4.01

C4.02

C4.03

Planning & Zoning

SHEET INDEX

SURVEY (BY OTHERS - FOR REFERENCE **EXISTING CONDITIONS - GIS** PROPOSED CONDITIONS (GIS SITE PLAN) TREE PROTECTION PLAN

STRUCTURAL DRAWINGS (BY EMC ENGINEERS) STRUCTURAL GENERAL NOTES S0.02

S1.00 BOARDWALK BW-C PLAN LAYOU

BOARDWALK BW-D / BOARDWALK BW-E PEDESTRIAN BRIDGE PLAN LAYOUT **BOARDWALK BW-F PLAN LAYOUT** 

**BRIDGE & BOARDWALK ABUTMENTS** BRIDGE DRAWINGS (BY PIONEER BRIDGES) (PROVIDED FOR BASIS OF DESIGN)

> CORNERSTONE PEDESTRIAN BRIDGE PRELIMINARY DRAWINGS

The City of Brookhaven does not certify the accuracy of these drawings. In approving these drawings and specifications, the City has relied upon the accuracy of the information and representations furnished herein by the engineer, or architect, and/or applicant. The City of Brookhaven assumes no liability or responsibility for the accuracy of the representations provided.

CITY OF BROOKHAVEN FLOODPLAIN NOTES:

COUNTY COMMUNITY PANELS (FIRM 13089C0014K).

# **OWNERS**

CITY OF BROOKHAVEN 4362 PEACHTREE RD. BROOKHAVEN, GA 30319 **CONTACT: KAREN OWENS** 404.637.0500

# DEVELOPER

CITY OF BROOKHAVEN PARKS AND RECREATION DEPARTMENT 3360 OSBORNE ROAD, NE BROOKHAVEN, GA 30319 CONTACT: KAREN OWENS, DIRECTOR 404.637.0500

# AT FOX GLEN CT. THERE WILL BE AN ADDITIONAL SMALL TRAIL THAT CREATES A LOOP WITHIN THE TURN OF THE MAIN TRAIL

THE CITY OF BROOKHAVEN WISHES TO DEVELOP A TRAIL CONNECTION AND

WITH A PRE-ENGINEERED BRIDGE STRUCTURE. BRIDGE APPROACHES AND

BRIDGE AT MURPHEY CANDLER PARK. TRAILS WILL CONNECT AT TWO POINTS IN

CONCRETE BRIDGE ABUTMENTS WILL BE ENGINEERED. ONCE ON THE FAR SIDE OF NANCY CREEK, THE BRIDGE APPROACH WILL RETURN TO GRADE. THE TRAIL

WILL THEN CONTINUE WEST ALONG NANCY CREEK, BEFORE TURNING SOUTH TO

CROSS THE COLONIAL PIPELINE AND CONNECT WITH THE SMALL TURN-AROUND

# LOSE DESIGN

DESIGNER

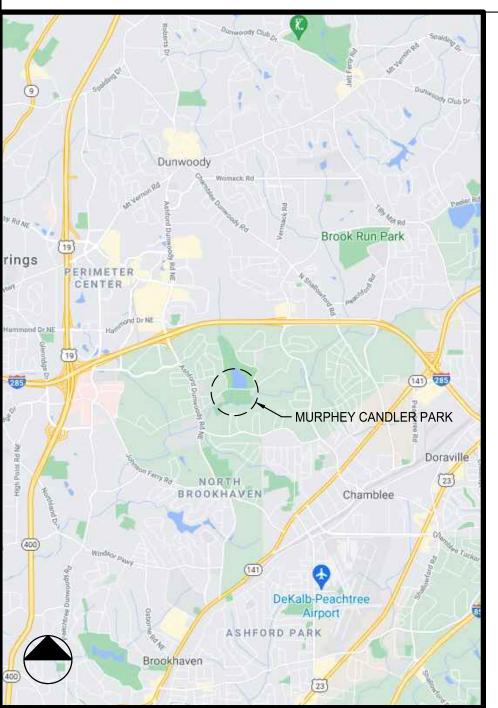
LANDSCAPE ARCHITECTURE/ARCHITECTURE/CIVIL **ENGINEERING/PLANNING** 

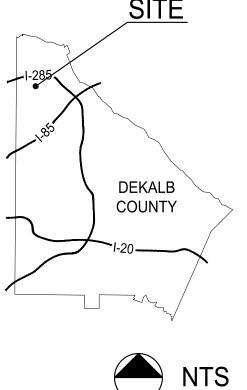
> 220 WEST CROGAN STREET, SUITE 100 LAWRENCEVILLE, GEORGIA 30046 PHONE: 770-338-0017 CONTACT: AARON ST. PIERRE

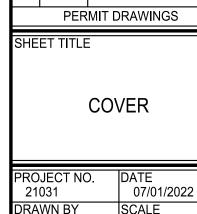
# CONSULTANTS

**SURVEYOR** TERRA MARK LAND SURVEYING, INC. 1396 BELLS FERRY ROAD MARIETTA, GEORGIA 30066 PHONE: 770-421-1927

# LOCATION MAP

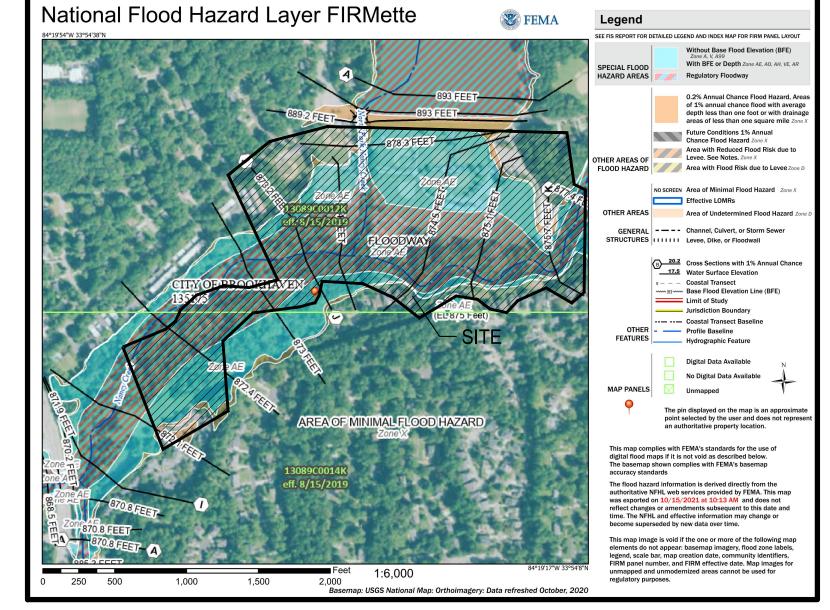






DRAWN BY MTC CHECKED BY C0.00

Call before you dig.



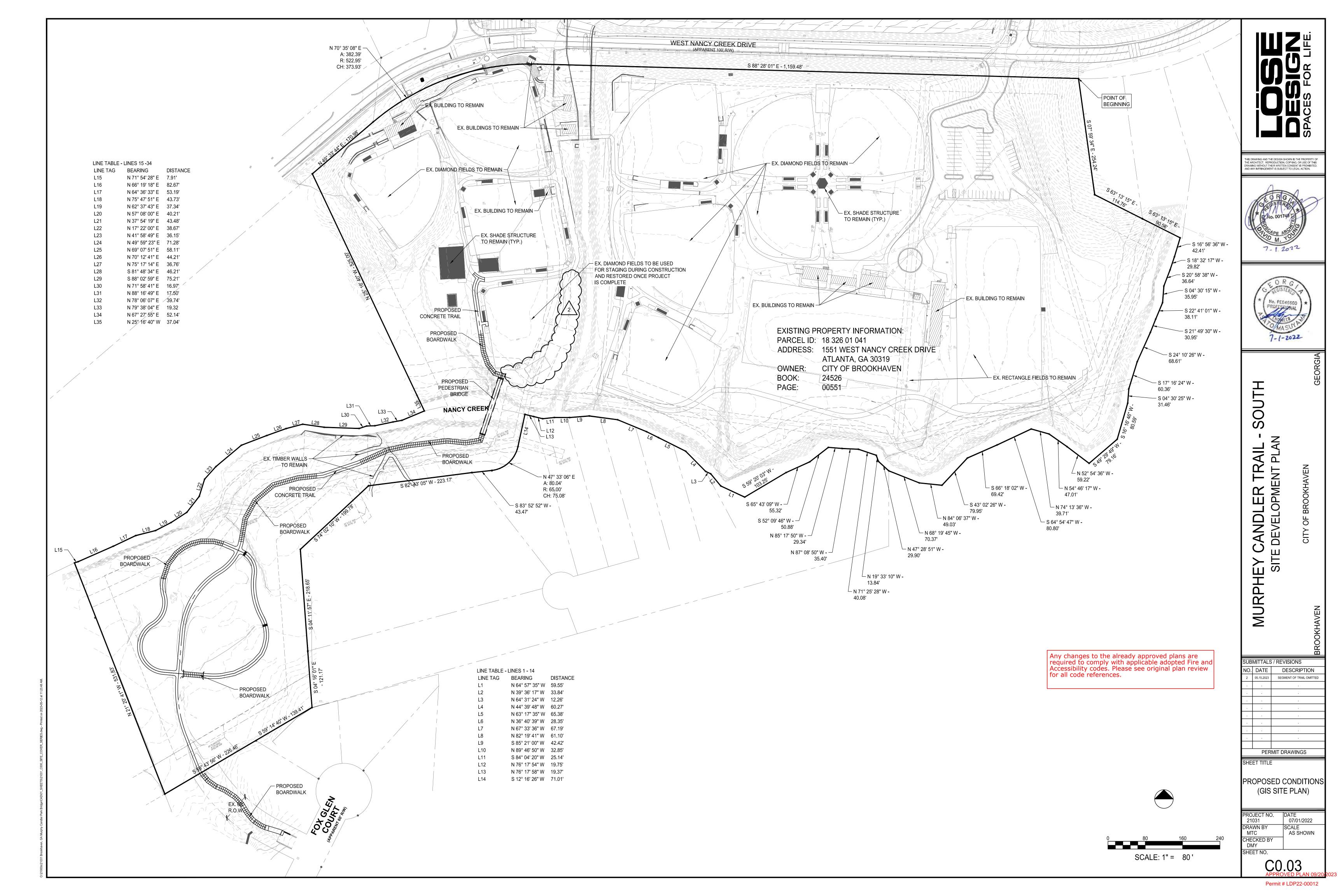
2. THE BASE FLOOD (IRF) ELEVATIONS SHOWN HEREON ARE BASED ON THE 3. ALL CONSTRUCTION INCLUDING GRADING AND FILLING WITHIN THE 4. ALL CUT AND FILL WITHIN THE FLOODPLAIN SHALL BE FIELD VERIFIED AND 5. ALL INTERMEDIATE REGIONAL FLOODPLAIN SHALL BE FIELD LOCATED AND STAKED PRIOR TO ENCROACHMENT WITHIN THEM. SUCH LOCATION SHALL BI FLOODPLAIN: B. UPON COMPLETION OF RESTORATION, A PROFESSIONAL ENGINEER B. UPON COMPLETION OF RESTORATION, A PROFESSIONAL ENGINEE SHALL CERTIFY IN WRITING TO THE COMMUNITY DEVELOPMENT DEPARTMENT THAT ALL WORK IS COMPLETE AND THE FLOODPLAIN

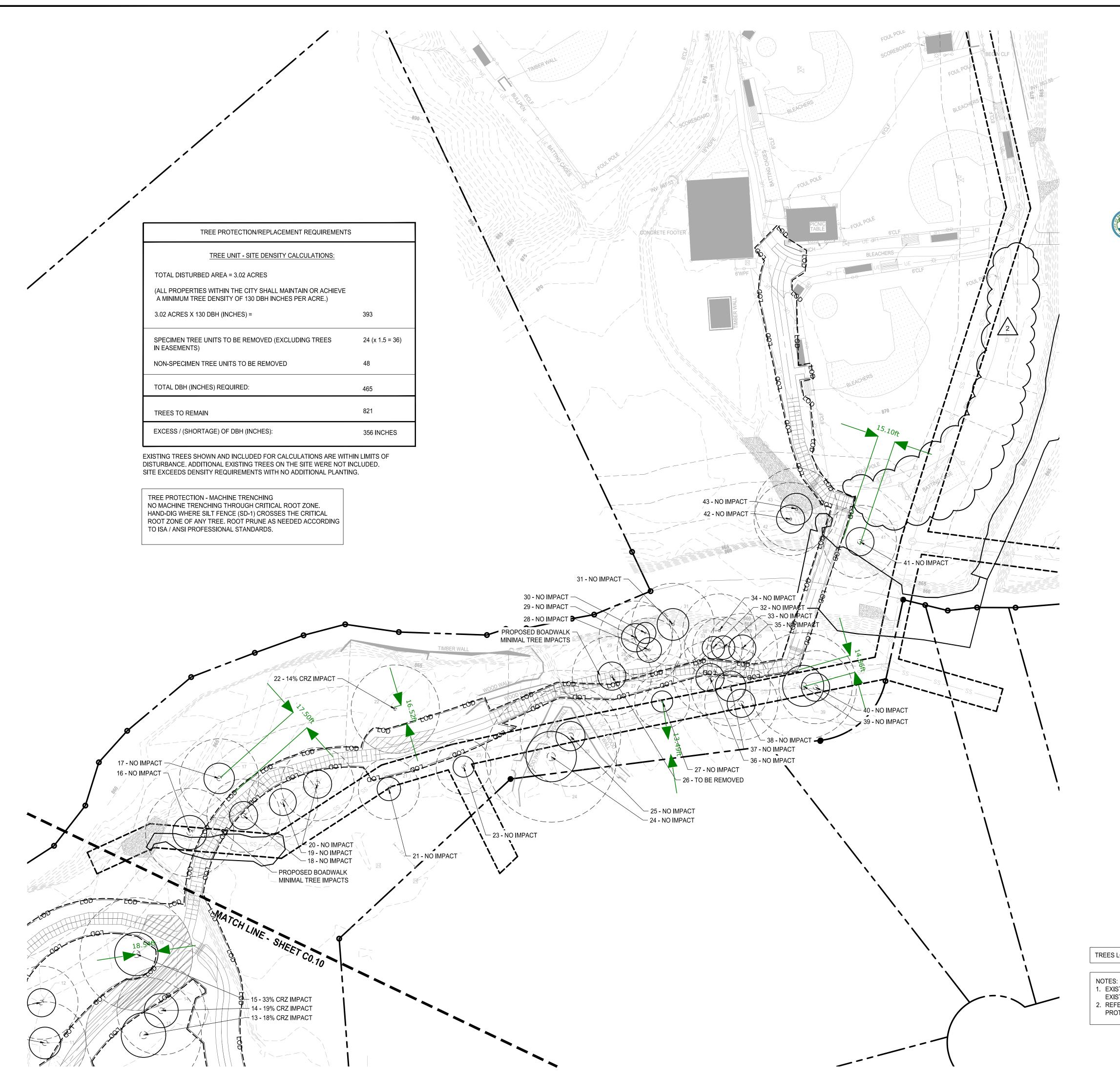
8. THE LOWEST FLOOR ELEVATION INCLUDES BASEMENT AND ATTACHED

GARAGE AND SHALL BE A MINIMUM OF 3 FEET ABOVE THE 100 YEAR STORM

THE FLOOD ZONE AE SHOWN HEREON ARE BASED ON THE DEKALB

STRUCTURAL ENGINEER EMC STRUCTURAL ENGINEER, PC 4525 TROUSDALE DR. NASHVILLE, TENNESSEE 37204 PHONE: 615-781-8199





EXISTING TREE INFORMATION WAS PROVIDED ON THE SURVEY, PREPARED BY TERRAMARK LAND SURVEYING INC., (NO. TM 20-221; DATE: 11-17-2020). REVISIONS TO LIST OF EXISTING TREES BASED ON FIELD VISIT.

# LEGEND:

—— LOD ——

LIMITS OF CONSTRUCTION/ DISTURBANCE

EXISTING TREE TO BE REMOVED

TREE PROTECTION FENCE, REF. 05/C4.01

APPROVED
ARBORIST

Jeff Dadisman

TREE TRUNK
(BASED ON SURVEY)

EXISTING TREE TO REMAIN - NO IMPACT

DRIP LINE /
CRITICAL
ROOT ZONE
STRUCTURAL
ROOT PLATE

EXISTING TREE TO REMAIN - CRZ IMPACT

1

# TREES TO REMAIN

NO.	SPECIES	DBH (INCHES)	NOTES
16	POPLAR	29.0	SPECIMEN; NO IMPACT
17	MAPLE	26.0	SPECIMEN; NO IMPACT
18	SYCAMORE	24.0	SPECIMEN; NO IMPACT
19	SYCAMORE	23.0	NO IMPACT
20	HARDWOOD	22	NO IMPACT
21	OAK	20.0	NO IMPACT
22	HARDWOOD	29.0	MULTI-STEM; SPECIMEN; 14% CRZ IMPACT
23	OAK	18.0	NO IMPACT
24	HARDWOOD	43.0	MULTI-STEM; SPECIMEN; NO IMPACT
25	OAK	25.0	MULTI-STEM, SPECIMEN; NO IMPACT
27	MAGNOLIA	18.0	NO IMPACT
28	OAK	21.0	NO IMPACT
29	OAK	24.0	SPECIMEN; NO IMPACT
30	OAK	18	NO IMPACT
31	OAK	27.0	SPECIMEN; NO IMPACT
32	SWEETGUM	19.0	NO IMPACT
33	SWEETGUM	20	NO IMPACT
34	OAK	24	SPECIMEN; NO IMPACT
35	OAK	23	NO IMPACT
36	OAK	24	SPECIMEN; NO IMPACT
37	SWEETGUM	26	NO IMPACT
38	OAK	24	SPECIMEN; NO IMPACT
39	POPLAR	35	SPECIMEN; NO IMPACT
40	OAK	24	SPECIMEN; NO IMPACT
41	HARDWOOD	24	SPECIMEN; NO IMPACT
42	POPLAR	24	SPECIMEN; NO IMPACT

# TREES TO BE REMOVED

TOTAL: 661 DBH (INCHES)

43 HARDWOOD

NO	0050150	DBH	NOTEO
NO.	SPECIES	(INCHES)	NOTES

26 MAPLE 24.0 SPECIMEN; LOCATED IN PROPOSED BOARDWALK ALIGNMENT TOTAL: 24 DBH (SPECIMEN) TO BE REMOVED

27 SPECIMEN; NO IMPACT

TREES LOCATED IN SEWER EASEMENT DO NOT COUNT TOWARDS CALCULATIONS.

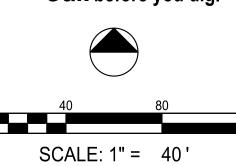
1. EXISTING SITE EXCEEDS REQUIRED TREE DENSITY AFTER

EXISTING TREE REMOVAL.

. REFER TO SHEET C0.01 FOR CITY OF BROOKHAVEN TREE

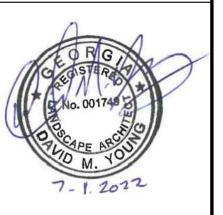
PROTECTION NOTES.





DESIGN SPACES FOR LIFE

THIS DRAWING AND THE DESIGN SHOWN IS THE PROPERTY OF THE ARCHITECT. REPRODUCTION, COPYING, OR USE OF THIS DRAWING WITHOUT THEIR WRITTEN CONSENT IS PROHIBITED, AND ANY INFRINGEMENT IS SUBJECT TO LEGAL ACTION.



MURPHEY CANDLER TRAIL - SOUTH SITE DEVELOPMENT PLAN

SUBMITTALS / REVISIONS

NO. DATE DESCRIPTION

1 09.06.2022 PERMIT REVISIONS

2 05.15.2023 SEGMENT OF TRAIL OMITTED

PERMIT DRAWINGS

TREE PROTECTION

PLAN

PROJECT NO. | DATE | 07/01/2022 | DRAWN BY | SCALE | 1" = 40' | CHECKED BY | MTC | DATE | DATE | 07/01/2022 | DATE | 07/01/202

C0.11

# **UNIFORM CODING SYSTEM** FOR SOIL EROSION & SEDIMENT CONTROL PRACTICES GEORGIA SOIL AND WATER CONSERVATION COMMISSION

I. ALL PHASE 1 PRACTICES TO BE COMPLETED PRIOR TO ANY OTHER LAND DISTURBANCE ACTIVITIES. PHASE 2 PRACTICES TO BE IMPLEMENTED AS NEEDED DURING CONSTRUCTION. PHASE 3 PRACTICES TO BE IMPLEMENTED AS SOON AS CONSTRUCTION IS COMPLETE ON DIFFERENT ASPECTS OF THE PROJECT, NOT AT END OF ALL CONSTRUCTION ACTIVITIES FOR ENTIRE SITE

ALL TEMPORARY EROSION CONTROL MEASURES ARE TO BE REMOVED FROM SITE AT COMPLETION OF PROJECT OR WHEN CONTRIBUTING DRAINAGE AREA ACHIEVES FINAL STABILIZATION. STORM DRAIN OUTLET PROTECTION TO REMAIN IN PERMANENT CONDITION, ALL OTHER EROSION CONTROL MEASURES ON THIS SHEET ARE TEMPORARY.

MAP SYMBOL	CODE	PRACTICE	CALLOUT(S)
	Co	CONSTRUCTION EXIT	01 C3.40
— §F ——	Sd1-S	SEDIMENT BARRIER (SENSITIVE AREA)	02 C3.40
	Ds1	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)	05 C3.40
	Ds2	DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)	06 C3.40
	Ds3	DISTURBED AREA STABILIZATION (WITH PERMANENT SEEDING)	01 C3.41
	Du	DUST CONTROL ON DISTURBED AREAS	04 C3.40
·	•	·	

### **DESIGNER GSWCC LEVEL II** I CERTIFY UNDER PENALTY OF LAW THAT THIS PLAN WAS PREPARED AFTER A SITE VISIT TO THE LOCATIONS DESCRIBED HEREIN BY MYSELF OR MY AUTHORIZED AGENT UNDER MY DIRECT SUPERVISION.



ASATO MASUYAMA, CERTIFIED DESIGN PROFESSIONAL

CONSTRUCTION ACTIVITY WHICH DISCHARGES STORM WATER INTO AN IMPAIRED STREAM SEGMENT. 4 ADDITIONAL BMPs WILL BE USED FROM APPENDIX 1 FOR THE AREA OF THE SITE WHICH DISCHARGES TO THE IMPAIRED STREAM SEGMENT.

- 1. A LARGE SIGN ( MINIMUM 4FT X 8 FT) MUST BE POSTED ON SITE BY THE ACTUAL START DATE OF CONSTRUCTION. THE SIGN MUST BE VISIBLE FROM A PUBLIC ROADWAY. THE SIGN MUST IDENTIFY THE FOLLOWING: (1) CONSTRUCTION SITE, (2 THE PERMITTEE(S), (3) THE CONTACT PERSON(S) AND TELEPHONE NUMBER(S), AND (4) THE PERMITEE-HOSTED WEBSITE WHERE THE PLAN CAN BE VIEWED MUST BE PROVIDED ON THE SUBMITTED NOI. THE SIGN MUST REMAIN ON SITE AND THE PLAN MUST BE AVAILABLE ON THE PROVIDED WEBSITE UNTIL A NOT HAS BEEN
- 2. CONDUCT TURBITY SAMPLING AFTER EVERY RAIN EVENT OF 0.5 IN OR GREATER WITHIN ANY 24-HOUR PERIOD, RECOGNIZING THE EXCEPTIONS SPECIFIED IN PART IV.D.6.D. OF THE CURRENT NPDES PERMITS.
- 3. REDUCE THE TOTAL PLANNED SITE DISTURBANCE TO LESS THAN 50% IMPERVIOUS SURFACES (EXCLUDING ANY STATE-MANDATED BUFFER AREAS FROM SUCH CALCULATIONS). ALL CALCULATIONS MUST BE INCLUDED ON THE PLAN.
- 4. USE MULCH FILTER BERMS, IN ADDITION TO A SILT FENCE, ON THE SITE PERIMETER WHEREVER CONSTRUCTION STORM WATER (INCLUDING SHEET FLOW) MAY BE DISCHARGED. MULCH FILTER BERMS CANNOT BE PLACED IN WATERWAYS OR AREAS OF CONCENTRATED FLOW.

# LAYOUT NOTES:

WHEN ESTIMATING.

- SEE SHEET C0.01 FOR GENERAL NOTES.
- SEE ARCHITECTURAL SHEETS FOR BUILDING.
- INSTALL JOINTS WHERE SHOWN TO ALIGN TO WALLS, BUILDINGS, RADII, ETC. EVENLY SPACE BETWEEN ELEMENTS AS SHOWN. PROVIDE EXPANSION JOINTS BETWEEN CONCRETE PAVEMENT AND VERTICAL ELEMENTS (WALL, CURBS, ETC.). ALL JOINTS TO BE STRAIGHT AND TRUE.
- LAYOUT ALL CURVES SMOOTHLY WITH NO ABRUPT CHANGES AT TANGENT POINTS. ALL CURBS ARE DIMENSIONED TO THE FACE OF CURB.
- CONTRACTOR TO TAKE ALL PRECAUTIONS TO FIND AND AVOID SITE UTILITIES. ALL UTILITIES ARE NOT SHOWN ON DRAWING. VERIFY LOCATIONS AND CONSIDER SUCH
- ALL PAVEMENT MARKING AND TRAFFIC CONTROL DEVICES SHALL BE INSTALLED PER THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). LATEST EDITION.
- ALL PAVEMENT MARKINGS TO BE THERMOPLASTIC, UNLESS OTHERWISE NOTED.
- 9. ALL ANGLES ARE 90° UNLESS OTHERWISE NOTED. 10. ALL RADIUS ARE 5' UNLESS OTHERWISE NOTED.

	Point	Table	
Point #	Raw Description	Northing	Easting
1	CONSTRUCTION EXIT #1	N033° 54' 28.58"	W084° 19' 32.62"
2	CONSTRUCTION EXIT #2	N033° 54' 16.92"	W084° 19' 39.82"
3	STUDY POINT #1	N033° 54' 25.69"	W084° 19' 32.40"
4	STUDY POINT #2	N033° 54' 22.62"	W084° 19' 44.83"

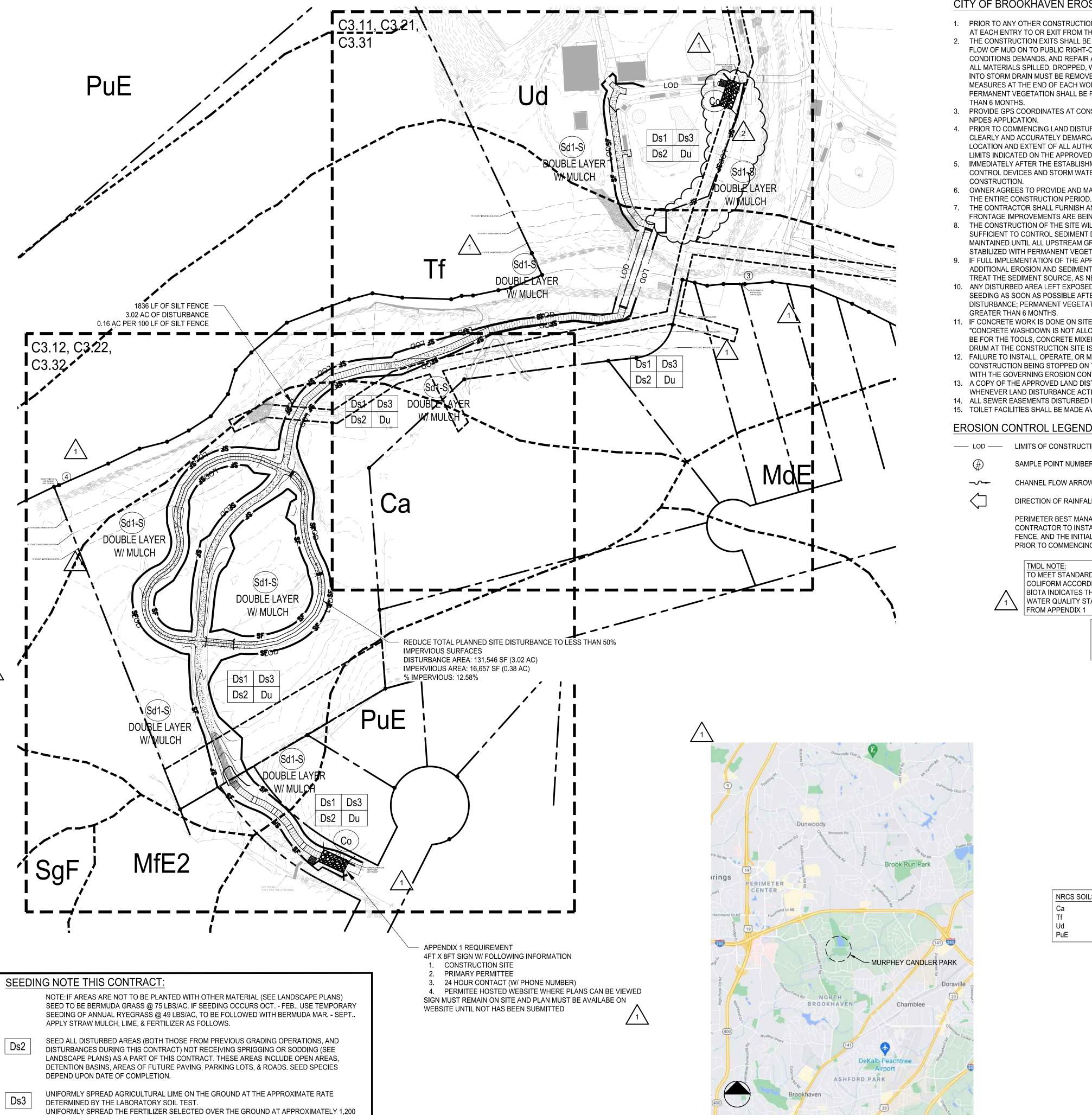
LBS/ACRE (1350 KG/HA). IF USING A HIGHER ANALYSIS FERTILIZER WITH HYDROSEEDING, APPLY

EVENLY APPLY STRAW MULCH IMMEDIATELY AFTER SEEDING BETWEEN 3/4 IN AND 1-1/2 IN (20 MM and 40 MM) DEEP, ACCORDING TO THE TEXTURE AND MOISTURE CONTENT OF THE MULCH

MATERIAL. MULCH SHALL ALLOW SUNLIGHT TO PENETRATE AND AIR TO CIRCULATE AS WELL AS

IT AT THE SAME RATE PER ACRE (HECTARE) AS THE STANDARD FERTILIZER.

SHADE THE GROUND, REDUCE EROSION, AND CONSERVE SOIL MOISTURE



# CITY OF BROOKHAVEN EROSION CONTROL NOTES:

- 1. PRIOR TO ANY OTHER CONSTRUCTION, A STABILIZED CONSTRUCTION ENTRANCE SHALL BE CONSTRUCTED AT EACH ENTRY TO OR EXIT FROM THE SITE.
- 2. THE CONSTRUCTION EXITS SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ON TO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH STONE, AS CONDITIONS DEMANDS, AND REPAIR AND/OR CLEAN-OUT OF ANY STRUCTURES USED TO TRAP SEDIMENT. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLE ONTO PUBLIC ROADWAY OR INTO STORM DRAIN MUST BE REMOVED IMMEDIATELY. THE CONTRACTOR SHALL INSPECT CONTROL MEASURES AT THE END OF EACH WORK DAY TO ENSURE MEASURES ARE FUNCTIONING PROPERLY. PERMANENT VEGETATION SHALL BE PLANTED IF THE AREA IS TO BE LEFT UNDISTURBED FOR GREATER
- PROVIDE GPS COORDINATES AT CONSTRUCTION EXIT AS REQUIRED ON THE NOTICE OF INTENT UNDER THE NPDES APPLICATION.
- PRIOR TO COMMENCING LAND DISTURBANCE ACTIVITY, THE LIMITS OF LAND DISTURBANCE SHALL BE CLEARLY AND ACCURATELY DEMARCATED WITH STAKES, RIBBONS, OR OTHER APPROPRIATE MEANS. THE LOCATION AND EXTENT OF ALL AUTHORIZED LAND DISTURBANCE SHALL OCCUR WITHIN THE APPROVED LIMITS INDICATED ON THE APPROVED PLANS.
- IMMEDIATELY AFTER THE ESTABLISHMENT OF CONSTRUCTION ENTRANCES/EXITS, ALL PERIMETER EROSION CONTROL DEVICES AND STORM WATER MANAGEMENT DEVICES SHALL BE INSTALLED PRIOR TO ANY OTHER
- OWNER AGREES TO PROVIDE AND MAINTAIN OFF-STREET PARKING ON THE SUBJECT PROPERTY DURING
- 7. THE CONTRACTOR SHALL FURNISH AND MAINTAIN ALL NECESSARY BARRICADES WHILE ROADWAY FRONTAGE IMPROVEMENTS ARE BEING MADE.
- THE CONSTRUCTION OF THE SITE WILL INITIATE WITH THE INSTALLATION OF EROSION CONTROL MEASURES SUFFICIENT TO CONTROL SEDIMENT DEPOSITS AND EROSION. ALL SEDIMENT CONTROL WILL BE MAINTAINED UNTIL ALL UPSTREAM GROUND WITHIN THE CONSTRUCTION AREA HAS BEEN COMPLETELY STABILIZED WITH PERMANENT VEGETATION AND ALL ROADS/DRIVEWAYS HAVE BEEN PAVED.
- IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE, AS NECESSARY
- ANY DISTURBED AREA LEFT EXPOSED SHALL BE TEMPORARILY STABILIZED WITH MULCH OR TEMPORARY SEEDING AS SOON AS POSSIBLE AFTER ROUGH GRADING IS COMPLETED BUT WITHIN 14 DAYS AFTER DISTURBANCE; PERMANENT VEGETATION SHALL BE PLANTED IF THE AREA IS TO BE LEFT UNDISTURBED FOR GREATER THAN 6 MONTHS.
- 11. IF CONCRETE WORK IS DONE ON SITE THEN A CONCRETE WASHDOWN BMP SHALL BE PROVIDED OR A NOTE "CONCRETE WASHDOWN IS NOT ALLOWED ON SITE." THE CONCRETE WASHDOWN AREA, IF ALLOWED, SHALL BE FOR THE TOOLS, CONCRETE MIXER CHUTES, HOPPERS, AND THE REAR OF VEHICLES. WASHOUT OF THE DRUM AT THE CONSTRUCTION SITE IS PROHIBITED.
- 12. FAILURE TO INSTALL, OPERATE, OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB SITE UNTIL SUCH MEASURES ARE CORRECTED CONSISTENT WITH THE GOVERNING EROSION CONTROL ORDINANCE.
- 13. A COPY OF THE APPROVED LAND DISTURBANCE PLAN AND PERMIT SHALL BE PRESENT ON THE SITE WHENEVER LAND DISTURBANCE ACTIVITY IS IN PROGRESS.
- ALL SEWER EASEMENTS DISTURBED MUST BE DRESSED AND GRASSED TO CONTROL EROSION. 15. TOILET FACILITIES SHALL BE MADE AVAILABLE TO CONSTRUCTION WORKERS WITHIN 300-FEET OF SITE.

# **EROSION CONTROL LEGEND:**

— LOD — LIMITS OF CONSTRUCTION/ DISTURBANCE

SAMPLE POINT NUMBER (SEE C2.10 FOR GIS LOCATION)

CHANNEL FLOW ARROW

DIRECTION OF RAINFALL RUNOFF

PERIMETER BEST MANAGEMENT PRACTICES (B.M.P.'s): CONTRACTOR TO INSTALL ALL PERIMETER CONTROL BMP's: TREE PROTECTION, SILT FENCE, AND THE INITIAL SEDIMENT STORAGE PONDS, AND THEIR ASSOCIATED DIVERSIONS

PRIOR TO COMMENCING ANY GRADING ACTIVITY. SEE MATCHING HIGHLIGHTED AREA.

TO MEET STANDARDS, NANCY CREEK REQUIRES AN 84% REDUCTION IN FECAL COLIFORM ACCORDING TO THE TMDL IMPLEMENTATION PLAN. THE TMDL FOR FISH BIOTA INDICATES THAT A 35.45% REDUCTION IS NEEDED IN NANCY CREEK TO MEET WATER QUALITY STANDARDS. SEE SHEET C3.03 FOR ADDITIONAL BMP'S REQUIRED

> FLOODPLAIN NOTE THIS SITE IS LOCATED WITHIN A ZONE AE AS DEFINED BY FIRM COMMUNITY PANEL NUMBER 13089C0014K FOR CITY OF BROOKHAVEN, DeKALB COUNTY, GEORGIA (AUGUST 15, 2019).

> > PHASE III EROSION CONTROL NOTE ALL EROSION CONTROL MEASURES TO BE INSTALLED PER 2016 GREEN BOOK. CONTRACTOR TO REMOVE SILT FENCE AFTER ALL SOIL IS STABILIZED AND AFTER ISSUANCE OF THE CERTIFICATE OF OCCUPANCY.

> > > CONSTRUCTION ADDRESS: MURPHEY CANDLER PARK 1551 WEST NANCY CREEK DR

ATLANTA, GA 30319 PRIMARY PERMITTEE / OWNER CONTACT: KAREN OWENS CITY OF BROOKHAVEN 3360 OSBORNE ROAD BROOKHAVEN, GA 30319 PHONE: 404.637.0562

24-HR. EMERGENCY CONTACT: BRIAN BORDEN - 404.637.0500 BRIAN.BORDEN@BROOKHAVENGA.GOV

EXISTING USE: MUNICIPAL PARK PROPOSED USE: MUNICIPAL PARK TOTAL PROJECT AREA: ± 1,602,679-SF, ± 36.79-AC

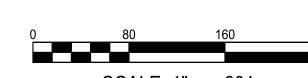
TOTAL DISTURBED AREA: ± 131,546-SF, ± 3.02-AC

# NRCS SOILS TYPE LEGEND

- CARTECAY SILT LOAM, FREQUENTLY FLOODED TOCCOA SANDY LOAM, 0 TO 2 % SLOPES, FREQUENTLY FLOODED URBAN LAND PACOLET-URBAN LAND COMPLEX, 10 TO 25 % SLOPES
  - THERE ARE DELINEATED ON-SITE WETLANDS WITHIN 200 FEET OF THE PROJECT SITE
  - AN UNNAMED TRIBUTARY OF NANCY CREEK IS THE RECEIVING WATERS FOR THIS SITE THE SITE IS LOCATED WITHIN 1-MILE FROM AN IMPAIRED

STREAM SEGMENT





SCALE: 1" = 80'

DRAWING AND THE DESIGN SHOWN IS THE PROPER HE ARCHITECT. REPRODUCTION, COPYING, OR USE OF THIS RAWING WITHOUT THEIR WRITTEN CONSENT IS PROHIBITED ND ANY INFRINGEMENT IS SUBJECT TO LEGAL ACTION.



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JBMITTALS / REVISIONS D. DATE DESCRIPTION PERMIT REVISIONS 09.06.2022

05.15.2023 SEGMENT OF TRAIL OMITTED PERMIT DRAWINGS

**ESPC PLAN KEY SHEET** 

07/01/2022 DRAWN BY CHECKED BY

HEET NO.

NOTE:

1. ALL PHASE 1 PRACTICES TO BE COMPLETED PRIOR TO ANY OTHER LAND
DISTURBANCE ACTIVITIES. PHASE 2 PRACTICES TO BE IMPLEMENTED AS NEEDED
DURING CONSTRUCTION. PHASE 3 PRACTICES TO BE IMPLEMENTED AS SOON AS
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END OF ALL CONSTRUCTION ACTIVITIES FOR ENTIRE SITE.

2. ALL TEMPORARY EROSION CONTROL MEASURES ARE TO BE REMOVED FROM SITE AT COMPLETION OF PROJECT OR WHEN CONTRIBUTING DRAINAGE AREA ACHIEVES FINAL STABILIZATION. STORM DRAIN OUTLET PROTECTION TO REMAIN IN PERMANENT CONDITION. ALL OTHER EROSION CONTROL MEASURES ON THIS SHEET ARE TEMPORARY.

CO CONSTRUCTION EXIT  Sediment Barrier (SENSITIVE AREA)  Disturbed Area Stabilization (WITH MULCHING ONLY)  Disturbed Area Stabilization (WITH TEMPORARY SEEDING)  Disturbed Area Stabilization (WITH TEMPORARY SEEDING)  Disturbed Area Stabilization (WITH TEMPORARY SEEDING)  Disturbed Area Stabilization (WITH PERMANENT SEEDING)  Du Dust Control on disturbed Areas	MAP SYMBOL	CODE	PRACTICE	CALLOUT(S)
Sd1-S) (SENSITIVE AREA)  Ds1 DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)  Ds2 DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)  Ds3 DISTURBED AREA STABILIZATION (WITH PERMANENT SEEDING)  Ds3 DISTURBED AREA STABILIZATION (WITH PERMANENT SEEDING)  Ds4 DUST CONTROL ON DISTURBED AREAS		Co	CONSTRUCTION EXIT	
DS1 (WITH MULCHING ONLY)  DS2 DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)  DS3 DISTURBED AREA STABILIZATION (WITH PERMANENT SEEDING)  DISTURBED AREA STABILIZATION (WITH PERMANENT SEEDING)  DISTURBED AREA STABILIZATION (01 C3.41)	— §F ——	Sd1-S		l <del>1                                   </del>
DS2 (WITH TEMPORARY SEEDING)  DS3 DISTURBED AREA STABILIZATION (WITH PERMANENT SEEDING)  O1 C3.40  O2 O4  O4		Ds1		
DIST CONTROL ON DISTURBED APEAS 104		Ds2		
		Ds3		I <del>I I I I I I I I I I I I I I I I I I </del>
		Du	DUST CONTROL ON DISTURBED AREAS	I <del>I</del>

NRCS SOILS TYPE LEGEND

CARTECAY SILT LOAM, FREQUENTLY FLOODED
TOCCOA SANDY LOAM, 0 TO 2 % SLOPES, FREQUENTLY FLOODED
TOCCOA SANDY LOAM, 0 TO 2 % SLOPES, FREQUENTLY FLOODED

PACOLET-URBAN LAND COMPLEX, 10 TO 25 % SLOPES

# DESIGNER GSWCC LEVEL II

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



ASATO MASUYAMA, CERTIFIED DESIGN PROFESSIONAL

FLOODPLAIN NOTE:
THIS SITE IS LOCATED WITHIN A ZONE AS DEFINED BY FIRM
COMMUNITY PANEL NUMBER 13089C0012K FOR CITY OF
BROOKHAVEN, DEKALB COUNTY, GEORGIA (AUGUST 15, 2019).

CONSTRUCTION ADDRESS: MURPHEY CANDLER PARK 1551 WEST NANCY CREEK DR

ATLANTA, GA 30319

PRIMARY PERMITTEE / OWNER CONTACT:
BRIAN BORDEN
CITY OF BROOKHAVEN
3360 OSBORNE ROAD
BROOKHAVEN, GA 30319
PHONE: 404.637.0562

24-HR. EMERGENCY CONTACT: BRIAN BORDEN - 404.637.0562 BRIAN.BORDEN@BROOKHAVENGA.GOV

EXISTING USE: MUNICIPAL PARK PROPOSED USE: MUNICIPAL PARK

TOTAL PROJECT AREA: ± 1,602,679-SF, ± 36.79-AC TOTAL DISTURBED AREA: ± 131,546-SF, ± 3.02-AC

# LAYOUT NOTES:

1. SEE SHEET C0.01 FOR GENERAL NOTES.

 SEE ARCHITECTURAL SHEETS FOR BUILDING.
 INSTALL JOINTS WHERE SHOWN TO ALIGN TO WALLS, BUILDINGS, RADII, ETC. EVENLY SPACE BETWEEN ELEMENTS AS SHOWN. PROVIDE EXPANSION JOINTS BETWEEN

BE STRAIGHT AND TRUE.
4. LAYOUT ALL CURVES SMOOTHLY WITH NO ABRUPT CHANGES AT TANGENT POINTS.

CONCRETE PAVEMENT AND VERTICAL ELEMENTS (WALL, CURBS, ETC.). ALL JOINTS TO

LAYOUT ALL CURVES SMOOTHLY WITH NO ABRUPT CHANGES AT TANGENT POINTS.
 ALL CURBS ARE DIMENSIONED TO THE FACE OF CURB.
 CONTRACTOR TO TAKE ALL PRECAUTIONS TO FIND AND AVOID SITE UTILITIES. ALL

UTILITIES ARE NOT SHOWN ON DRAWING. VERIFY LOCATIONS AND CONSIDER SUCH WHEN ESTIMATING.

7. ALL PAVEMENT MARKING AND TRAFFIC CONTROL DEVICES SHALL BE INSTALLED PER

THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). LATEST EDITION.

ALL PAVEMENT MARKINGS TO BE THERMOPLASTIC, UNLESS OTHERWISE NOTED.
 ALL ANGLES ARE 90° UNLESS OTHERWISE NOTED.
 ALL RADIUS ARE 5' UNLESS OTHERWISE NOTED.

LED PER

IT AT THE SAME RATE PER ACRE (HECTARE) AS THE STANDARD FERTILIZER.

ITION.

EVENLY APPLY STRAW MULCH IMMEDIATELY AFTER SEEDING BETWEEN 3/4 IN AND 1-1/2 IN (20

MM and 40 MM) DEEP, ACCORDING TO THE TEXTURE AND MOISTURE CONTENT OF THE MULCH

MATERIAL. MULCH SHALL ALLOW SUNLIGHT TO PENETRATE AND AIR TO CIRCULATE AS WELL AS

SHADE THE GROUND, REDUCE EROSION, AND CONSERVE SOIL MOISTURE.

DETERMINED BY THE LABORATORY SOIL TEST.

DEPEND UPON DATE OF COMPLETION.

APPLY STRAW MULCH, LIME, & FERTILIZER AS FOLLOWS.

SEED TO BE BERMUDA GRASS @ 75 LBS/AC. IF SEEDING OCCURS OCT. - FEB., USE TEMPORARY

SEEDING OF ANNUAL RYEGRASS @ 49 LBS/AC, TO BE FOLLOWED WITH BERMUDA MAR. - SEPT...

SEED ALL DISTURBED AREAS (BOTH THOSE FROM PREVIOUS GRADING OPERATIONS, AND

LANDSCAPE PLANS) AS A PART OF THIS CONTRACT. THESE AREAS INCLUDE OPEN AREAS,

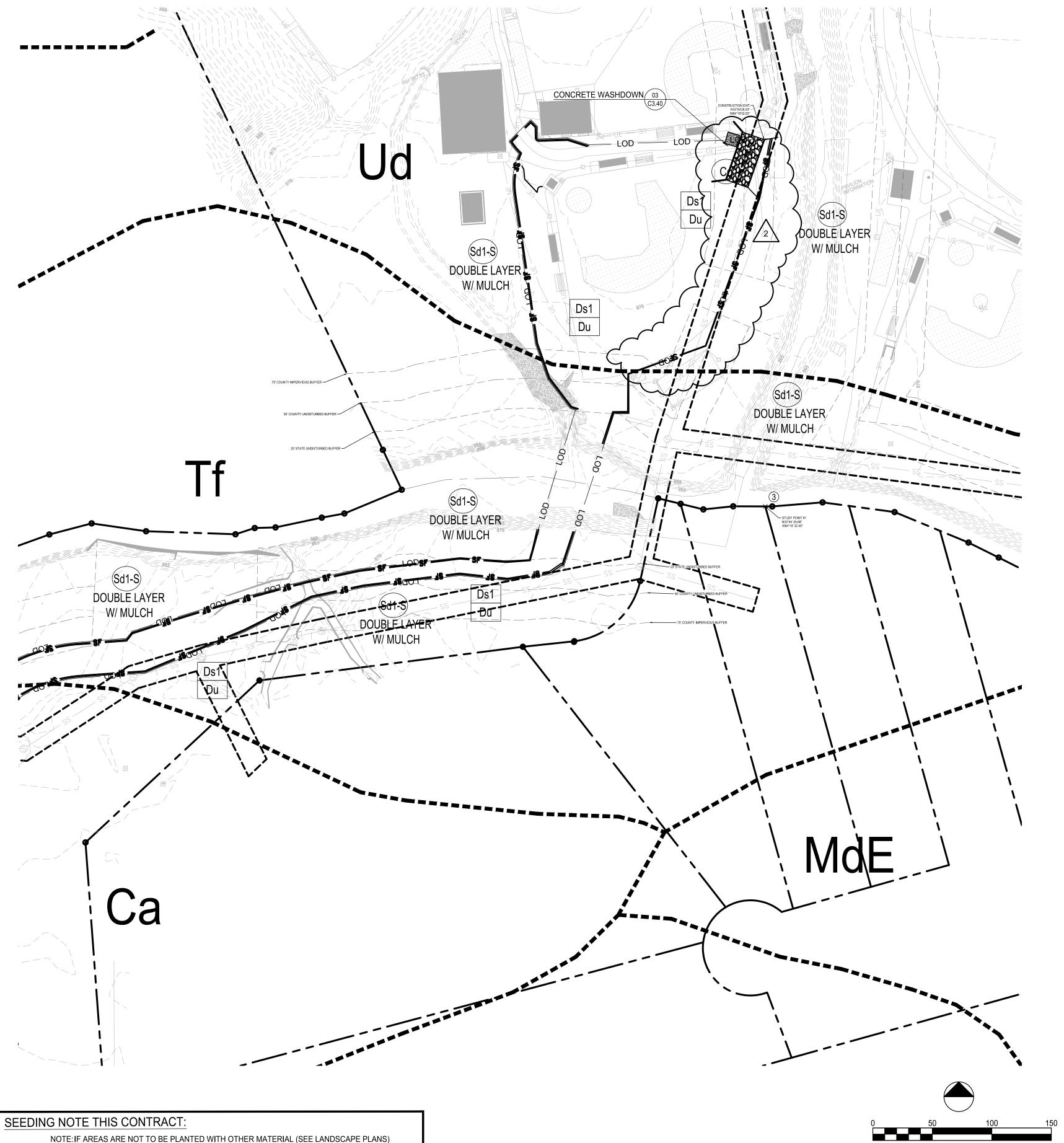
DETENTION BASINS, AREAS OF FUTURE PAVING, PARKING LOTS, & ROADS. SEED SPECIES

UNIFORMLY SPREAD AGRICULTURAL LIME ON THE GROUND AT THE APPROXIMATE RATE

UNIFORMLY SPREAD THE FERTILIZER SELECTED OVER THE GROUND AT APPROXIMATELY 1,200

LBS/ACRE (1350 KG/HA). IF USING A HIGHER ANALYSIS FERTILIZER WITH HYDROSEEDING, APPLY

DISTURBANCES DURING THIS CONTRACT) NOT RECEIVING SPRIGGING OR SODDING (SEE



THERE ARE DELINEATED ON-SITE WETLANDS WITHIN 200

THE SITE IS LOCATED WITHIN 1-MILE FROM AN IMPAIRED

AN UNNAMED TRIBUTARY OF NANCY CREEK IS THE

FEET OF THE PROJECT SITE

STREAM SEGMENT

RECEIVING WATERS FOR THIS SITE

# CLEARING PHASE EROSION CONTROL NOTES

PRIOR TO THE LAND DISTURBING CONSTRUCTION THE CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH THE AREA SITE DEVELOPMENT INSPECTOR.

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.

THE OWNER AGREES TO PROVIDE AND MAINTAIN OFF-STREET PARKING ON THE SUBJECT PROPERTY DURING THE ENTIRE CONSTRUCTION PERIOD.

NO STAGING AREAS, MATERIAL STORAGE, CONCRETE WASH OUT AREAS, OR DEBRIS BURN AND BURIAL HOLES SHALL BE LOCATED WITHIN 500 FEET OF DESIGNATED TREE PROTECTION AREAS OR STREAM BUFFERS, IF POSSIBLE.

A COPY OF THE APPROVED LAND DISTURBANCE PLAN AND PERMIT SHALL BE PRESENT ON THE SITE AT ALL TIMES.

THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND-DISTURBING ACTIVITIES.

PRIOR TO COMMENCING LAND DISTURBANCE ACTIVITY, THE LIMITS OF LAND DISTURBANCE SHALL BE CLEARLY AND ACCURATELY DEMARCATED WITH STAKES, RIBBONS, OR OTHER APPROPRIATE MEANS. THE LOCATION AND EXTENT OF ALL AUTHORIZED LAND DISTURBANCE ACTIVITIES SHALL BE DEMARCATED FOR THE DURATION OF THE CONSTRUCTION ACTIVITIES. NO LAND DISTURBANCE SHALL TAKE PLACE OUTSIDE THE APPROVED LIMITS INDICATED ON THE APPROVED PLANS.

PRIOR TO ANY OTHER CONSTRUCTION, A STABILIZED CONSTRUCTION ENTRANCE SHALL BE CONSTRUCTED AT EACH POINT OF ENTRY OR EXIT FROM THE SITE OR ONTO ANY PUBLIC ROADWAY.

THE FOLLOWING INITIAL EROSION CONTROL MEASURES SHALL BE IMPLEMENTED PRIOR TO ANY OTHER CONSTRUCTION ACTIVITIES.

- 1. THE CONSTRUCTION EXIT, CONSISTING OF A MINIMUM PAD SIZE OF 20 FEET BY 50 FEET WITH A MINIMUM OF 6" THICK STONE, SHALL BE PLACED AS SHOWN ON THE PLANS. THE STONE SIZE SHALL CONSIST OF COURSE AGGREGATE BETWEEN 1-1/2" & 3-1/2" IN DIAMETER AND OVERLAID ON A GEOTEXTILE UNDERLINER. THE GEOTEXTILE UNDERLINER SHALL MEET THE REQUIREMENTS OF AASHTO M266-96, SECTION 7.3 SEPARATION REQUIREMENTS.
- 2. IMMEDIATELY AFTER THE ESTABLISHMENT OF CONSTRUCTION ENTRANCE/EXIT ALL PERIMETER EROSION CONTROL AND STORM WATER MANAGEMENT DEVICES SHALL BE INSTALLED AS SHOWN ON THE CLEARING PHASE EROSION CONTROL PLAN.
- 3. TYPE 'C' SILT FENCE SHOULD BE INSTALLED AT THE PERIMETER OF THE DISTURBED AREA AS SHOWN ON THE PLAN. THE SILT FENCE SHOULD BE PLACED IN ACCORDANCE WITH THE MANUAL FOR EROSION CONTROL IN GEORGIA, TABLE 6-27.1. THE SILT FENCE SHOULD BE KEPT ERECT AT ALL TIMES AND REPAIRED WHEN REQUESTED BY THE SITE INSPECTOR OR THE PROJECT DESIGN PROFESSIONAL OF RECORD. SILT SHOULD BE REMOVED WHEN ACCUMULATION REACHES 1/2 HEIGHT OF BARRIER. THE PERIMETER SILT FENCE SHOULD BE INSPECTED DAILY FOR ANY FAILURES. ANY FAILURES OF SAID FENCING SHOULD BE REPAIRED IMMEDIATELY.
- 4. INLET SEDIMENT PROTECTION MEASURES SHALL BE INSTALLED ON ALL EXISTING STORM STRUCTURES AS SHOWN ON THE PLANS. SEE SEPARATE DETAIL FOR SPECIFICS ON TYPE OF INLET PROTECTION SPECIFIED.
- 5.STONE CHECK DAMS SHALL BE INSTALLED ON ALL EXISTING CONCENTRATED FLOWS AS SHOWN ON THE PLANS.
- 6. TREE PROTECTION FENCING SHOULD BE INSTALLED PRIOR TO THE START OF ANY LAND DISTURBANCE ACTIVITY AND MAINTAINED UNTIL FINAL LANDSCAPING IS INSTALLED. THE TREE PROTECTION FENCING SHOULD BE INSPECTED DAILY. ANY FAILURES OF SAID FENCING SHOULD BE REPAIRED IMMEDIATELY.

AFTER INSTALLATION OF INITIAL EROSION CONTROL MEASURES THE SITE CONTRACTOR SHALL SCHEDULE AN INSPECTION BY THE PROJECT DESIGN PROFESSIONAL. NO OTHER CONSTRUCTION ACTIVITIES SHALL OCCUR UNTIL THE PROJECT DESIGN PROFESSIONAL APPROVES THE INSTALLATION OF SAID EROSION CONTROL MEASURES. IF UNFORESEEN CONDITIONS EXIST IN THE FIELD THAT WARRANT CONSTRUCTION OF ADDITIONAL EROSION CONTROL MEASURES, THE CONTRACTOR MUST CONSTRUCT ANY ADDITIONAL EROSION CONTROL DEVICES DEEMED NECESSARY BY THE SITE INSPECTOR.

AFTER APPROVAL OF THE INITIAL EROSION CONTROL INSTALLATION, THE CONTRACTOR MAY PROCEED WITH CLEARING AND GRUBBING ACTIVITIES. AS CLEARING PERMITS THE CONTRACTOR SHALL CONSTRUCT TEMPORARY SEDIMENT PONDS AND DIVERSION DIKES AS SHOWN ON THE CLEARING PHASE PLAN TO CONTROL EROSION AND STORM WATER RUNOFF.

THE DESIGN PROFESSIONAL WHO PREPARED THE ESPC PLAN WILL INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROL BMP'S WITHIN SEVEN DAYS AFTER INSTALLATION

THE CONTRACTOR CAN UTILIZE CLEARED TREES AS BARRIER BRUSH SEDIMENT CONTROL IN AREAS SHOWN ON PLAN WHERE INITIAL GRADING ACTIVITIES WILL NOT OCCUR.

NO BURN OR BURY PITS SHALL BE PERMITTED ON THE CONSTRUCTION SITE WITHOUT WRITTEN PERMISSION BY THE OWNER AND/OR THE ENGINEER OF RECORD.

ADDITIONAL SILT BARRIERS MUST BE PLACED AS SHOWN ON THE PLANS AS ACCESS IS OBTAINED DURING CLEARING. NO GRADING SHALL TAKE PLACE UNTIL SILT BARRIER INSTALLATION AND SEDIMENT PONDS ARE CONSTRUCTED AS SHOWN ON THE CLEARING PHASE EROSION CONTROL PLAN.

ALL SILT FENCE MUST MEET THE REQUIREMENTS OF SECTION 171-TEMPORARY SILT FENCE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF GEORGIA, STANDARD SPECIFICATIONS, 1983.

ALL ITEMS IN THIS SECTION OF THE SPECIFICATIONS SHALL MEET THE REQUIREMENTS AS SET FORTH IN SECTION 161, 162, 163, AND 164 OF GEORGIA D.O.T. STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES.

ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD OF GREATER THAN 7 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

ALL DISTURBED AREAS LEFT MULCHED AFTER 30 DAYS SHALL BE STABILIZED WITH TEMPORARY VEGETATION.

SEDIMENT AND EROSION CONTROL MEASURES SHOULD BE CHECKED AFTER EACH RAIN EVENT. EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED ONE HALF THE CAPACITY OF THE DEVICE. ADDITIONAL DEVICES MUST BE INSTALLED IF NEW CHANNELS HAVE DEVELOPED.

THE CONSTRUCTION EXIT SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACK OR FLOW OF MUD ONTO PUBLIC RIGHT-OF-WAY, THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 1-3 INCH STONE, AS CONDITIONS DEMAND. ALL MATERIAL SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO PUBLIC ROADWAY OR INTO STORM DRAIN MUST BE REMOVED IMMEDIATELY.

CONTRACTOR SHALL INSPECT CONTROL MEASURES AT THE END OF EACH WORKING DAY TO ENSURE MEASURES ARE FUNCTIONING PROPERLY.

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, OR AS DIRECTED BY THE EROSION CONTROL INSPECTOR.

FAILURE TO INSTALL, OPERATE, OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB UNTIL SUCH MEASURES ARE CORRECTED BACK TO THE APPROVED EROSION CONTROL PLAN.

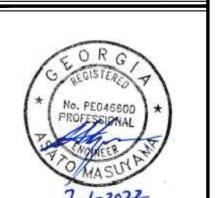
SCALE: 1" = 50 '

THE SITE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTENANCE OF ALL EROSION CONTROL MEASURES INCLUDING REPLACING OR REPAIRING ANY DAMAGED DEVICES DUE TO ANY CONSTRUCTION ACTIVITY BY

ALL CLEARING AND GRUBBING DEBRIS TO BE CHIPPED AND MULCHED FOR USE IN SEDIMENT AND EROSION CONTROL PREVENTION.

DESIGN SPACES FOR LIFE.

THIS DRAWING AND THE DESIGN SHOWN IS THE PROPERTY OF THE ARCHITECT. REPRODUCTION, COPYING, OR USE OF THIS DRAWING WITHOUT THEIR WRITTEN CONSENT IS PROHIBITED, AND ANY INFRINGEMENT IS SUBJECT TO LEGAL ACTION.



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ANDLER TRAIL
DEVELOPMENT PLAN

NUX

UBMITTALS / REVISIONS
O. DATE DESCRIPTION
1 09.06.2022 PERMIT REVISIONS
2 05.15.2023 SEGMENT OF TRAIL OMITTED

2 05.15.2023 SEGMENT OF TRAIL OMITTEE

PERMIT DRAWINGS

SHEET TITLE

ESPC INITIAL PHASE

PROJECT NO. DATE 21031 07/01/2022
DRAWN BY SCALE

AM 1"=50
CHECKED BY
-SHEET NO.

**3. | |** ROVED PLAN 09/

I. ALL PHASE 1 PRACTICES TO BE COMPLETED PRIOR TO ANY OTHER LAND DISTURBANCE ACTIVITIES. PHASE 2 PRACTICES TO BE IMPLEMENTED AS NEEDED DURING CONSTRUCTION. PHASE 3 PRACTICES TO BE IMPLEMENTED AS SOON AS CONSTRUCTION IS COMPLETE ON DIFFERENT ASPECTS OF THE PROJECT, NOT AT END OF ALL CONSTRUCTION ACTIVITIES FOR ENTIRE SITE.

2. ALL TEMPORARY EROSION CONTROL MEASURES ARE TO BE REMOVED FROM SITE AT COMPLETION OF PROJECT OR WHEN CONTRIBUTING DRAINAGE AREA ACHIEVES FINAL STABILIZATION. STORM DRAIN OUTLET PROTECTION TO REMAIN IN PERMANENT CONDITION. ALL OTHER EROSION CONTROL MEASURES ON THIS SHEET ARE TEMPORARY.

MAP SYMBOL	CODE	PRACTICE	CALLOUT(S)
	Co	CONSTRUCTION EXIT	01 C3.40
— §F ——	Sd1-S	SEDIMENT BARRIER (SENSITIVE AREA)	02 C3.40
	Ds1	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)	05 C3.40
	Ds2	DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)	06 C3.40
	Ds3	DISTURBED AREA STABILIZATION (WITH PERMANENT SEEDING)	01 C3.41
	Du	DUST CONTROL ON DISTURBED AREAS	04 C3.40
·		·	

NRCS SOILS TYPE LEGEND

CARTECAY SILT LOAM, FREQUENTLY FLOODED

TOCCOA SANDY LOAM, 0 TO 2 % SLOPES, FREQUENTLY FLOODED

PACOLET-URBAN LAND COMPLEX, 10 TO 25 % SLOPES

# DESIGNER GSWCC LEVEL II

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



ASATO MASUYAMA, CERTIFIED DESIGN PROFESSIONAL

FLOODPLAIN NOTE: THIS SITE IS LOCATED WITHIN A ZONE AS DEFINED BY FIRM COMMUNITY PANEL NUMBER 13089C0012K FOR CITY OF BROOKHAVEN, DeKALB COUNTY, GEORGIA (AUGUST 15, 2019).

> CONSTRUCTION ADDRESS: MURPHEY CANDLER PARK 1551 WEST NANCY CREEK DR

ATLANTA, GA 30319 PRIMARY PERMITTEE / OWNER CONTACT: BRIAN BORDEN CITY OF BROOKHAVEN 3360 OSBORNE ROAD BROOKHAVEN, GA 30319 PHONE: 404.637.0562

24-HR. EMERGENCY CONTACT: BRIAN BORDEN - 404.637.0562 BRIAN.BORDEN@BROOKHAVENGA.GOV

> EXISTING USE: MUNICIPAL PARK PROPOSED USE: MUNICIPAL PARK

TOTAL PROJECT AREA: ± 1,602,679-SF, ± 36.79-AC TOTAL DISTURBED AREA: ± 131,546-SF, ± 3.02-AC

# DOUBLE LAYER W/ MULCH SEEDING NOTE THIS CONTRACT: NOTE: IF AREAS ARE NOT TO BE PLANTED WITH OTHER MATERIAL (SEE LANDSCAPE PLANS) SEED TO BE BERMUDA GRASS @ 75 LBS/AC. IF SEEDING OCCURS OCT. - FEB., USE TEMPORARY SCALE: 1" = 50' THERE ARE DELINEATED ON-SITE WETLANDS WITHIN 200 SEEDING OF ANNUAL RYEGRASS @ 49 LBS/AC, TO BE FOLLOWED WITH BERMUDA MAR. - SEPT.. FEET OF THE PROJECT SITE APPLY STRAW MULCH, LIME, & FERTILIZER AS FOLLOWS. AN UNNAMED TRIBUTARY OF NANCY CREEK IS THE RECEIVING WATERS FOR THIS SITE SEED ALL DISTURBED AREAS (BOTH THOSE FROM PREVIOUS GRADING OPERATIONS, AND

# **GRADING PHASE EROSION CONTROL NOTES**

INSPECTOR AT ALL TIMES REGARDING PROJECT SEQUENCE.

ESTABLISHED. NOTE SUB PHASES SHOWN ON PLANS.

THE FOLLOWING EROSION CONTROL MEASURES SHALL BE IMPLEMENTED DURING THE PRELIMINARY **GRADING PHASE OF CONSTRUCTION:** 

MAINTAIN FULL COORDINATION WITH THE DESIGN PROFESSIONAL, CONTRACTOR AND REGULATORY

DURING CONSTRUCTION, THE CONTRACTOR SHALL MAINTAIN CAREFUL SCHEDULING AND PERFORMANCE TO INSURE THAT LAND STRIPPED OF ITS NATURAL GROUND COVER IS EXPOSED ONLY IN SMALL QUANTITIES AND THEREFORE LIMITED DURATION, BEFORE PERMANENT EROSION PROTECTION IS

EARTHWORK OPERATIONS IN THE VICINITY OF STREAM BUFFERS SHALL BE CAREFULLY CONTROLLED TO AVOID DUMPING OR SLOUGHING INTO THE BUFFER AREAS.

SEDIMENT SHALL NOT BE WASHED INTO INLETS. IT SHALL BE REMOVED FROM THE SEDIMENT TRAPS AND DISPOSED OF AND STABILIZED SO THAT IT WILL NOT ENTER THE INLET AGAIN.

EROSION CONTROL DEVICES SHALL BE INSTALLED IMMEDIATELY AFTER GROUND DISTURBANCE OCCURS. THE LOCATION OF SOME OF THE EROSION CONTROL 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 RESPONSIBILITY OF THE CONTRACTOR TO ACCOMPLISH EROSION CONTROL FOR ALL DRAINAGE PATTERNS CREATED AT THE VARIOUS STAGES OF CONSTRUCTION. ANY DIFFICULTY IN CONTROLLING EROSION DURING ANY PHASE OF CONSTRUCTION SHALL BE REPORTED TO THE DESIGN PROFESSIONAL IMMEDIATELY.

THE CONTRACTOR SHALL FURNISH AND MAINTAIN ALL NECESSARY BARRICADES WHILE ROADWAY FRONTAGE IMPROVEMENTS ARE BEING MADE.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING BARRIERS AT THE TOE OF SLOPES UNDER CONSTRUCTION. THESE BARRIERS SHALL BE SHOWN IN THE PLANS. THESE BARRIERS MAY BE RELOCATED AND REUSED AFTER PERMANENT SLOPE STABILIZATION BECOMES FULLY ESTABLISHED. AS THEY ARE RELOCATED, ANY DEFECTIVE MATERIALS IN THE BARRIER SHALL BE REPLACED. IN ADDITION, ALL DEBRIS AND SILT AT THE PREVIOUS LOCATION SHALL BE REMOVED.

ALL SLOPES STEEPER THAN 2.5:1 AND WITH A HEIGHT OF 10FT OR GREATER, AND CUTS AND FILLS WITHIN STREAM BUFFERS, SHALL BE STABILIZED WITH APPROPRIATE EROSION CONTROL MATTING OR BLANKETS IMMEDIATELY.

TYPE "C" SILT FENCE SHALL BE PLACED AT THE TOE OF ALL DIRT STOCK PILE AREAS AND ALL FILL SLOPES 10FT OR GREATER IN HEIGHT. THE SILT FENCE SHALL BE MAINTAINED UNTIL PERMANENT GROUND COVER IS ESTABLISHED ON THE SLOPE. SILT SHALL BE REMOVED WHEN ACCUMULATION REACHES 1/2 HEIGHT OF THE BARRIER. ADDITIONALLY, DIVERSION DIKES SHALL BE SHALL BE CONSTRUCTED ALONG THE TOP OF ALL SAID FILL SLOPES WITH THE USE OF TEMPORARY DOWN DRAINS TO CONTROL STORMWATER RUNOFF AS SHOWN ON THE PLANS.

INLET SEDIMENT PROTECTION MEASURES SHALL BE INSTALLED ON ALL STORM STRUCTURES AS THEY ARE CONSTRUCTED. SEE PLAN VIEW FOR SPECIFIC TYPE AND SEPARATE DETAILS FOR ADDITIONAL INFORMATION ON TYPE OF INLET PROTECTION SPECIFIED.

STORM DRAIN OUTLET PROTECTION SHALL BE PLACED AT ALL OUTLET HEADWALLS AS SOON AS THE HEADWALL IS CONSTRUCTED. SEE SEPARATE DETAILS FOR ADDITIONAL INFORMATION.

STONE CHECK DAMS SHALL BE INSTALLED IN AREAS OF CONCENTRATED FLOWS AS SHOWN ON THE PLAN. SEE SEPARATE DETAIL FOR ADDITIONAL INFORMATION.

ALL DRAINAGE SWALES SHALL BE APPLIED WITH VEGETATIVE COVER AS SOON AS FINAL GRADE IS ACHIEVED.

ALL GRADED AREAS SHALL BE APPLIED WITH VEGETATIVE COVER AS SOON AS FINAL GRADE IS ACHIEVED.

ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD OF GREATER THAN 7 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

ALL DISTURBED AREAS LEFT MULCHED AFTER 30 DAYS SHALL BE STABILIZED WITH TEMPORARY GRASSING.

AFTER PRELIMINARY GRADING ACTIVITIES, THE CONTRACTOR SHALL CONSTRUCT TEMPORARY SEDIMENT BASINS AND DIVERSION DIKES AS SHOWN ON PLAN. THE CONTRACTOR SHALL MAINTAIN THE SEDIMENT POND UNTIL PERMANENT GROUND COVER IS ESTABLISHED. SEDIMENT SHALL BE CLEANED OUT OF THE PONDS WHEN IT REACHES THE 1/3 DEPTH OF BASIN. SEE SEPARATE DETAILS FOR ADDITIONAL INFORMATION.

SEDIMENT AND EROSION CONTROL MEASURES SHOULD BE CHECKED AFTER EACH RAIN EVENT. EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED ONE HALF THE CAPACITY OF THE DEVICE. ADDITIONAL DEVICES MUST BE INSTALLED IF NEW CHANNELS HAVE DEVELOPED. INDICATORS MUST BE INSTALLED IN SEDIMENT BASINS INDICATING THE 1/3 FULL VOLUME FOR CLEANOUT.

THE CONSTRUCTION EXIT SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACK OR FLOW OF MUD ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 1-3" OF STONE, AS CONDITIONS DEMAND. ALL MATERIALS SPILLED. DROPPED. WASHED. OR TRACKED FROM VEHICLE ONTO PUBLIC ROADWAY OR INTO STORM DRAIN MUST BE REMOVED IMMEDIATELY.

CONTRACTOR SHALL INSPECT CONTROL MEASURES AT THE END OF EACH WORKING DAY TO ENSURE MEASURES ARE FUNCTIONING PROPERLY.

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, OR AS DIRECTED BY THE EROSION CONTROL INSPECTOR.

FAILURE TO INSTALL, OPERATE, OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB UNTIL SUCH MEASURES ARE CORRECTED BACK TO THE APPROVED EROSION CONTROL PLANS.

THE SITE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTENANCE OF ALL EROSION CONTROL MEASURES INCLUDING REPLACING OR REPAIRING ANY DAMAGED DEVICES DUE TO ANY CONSTRUCTION ACTIVITY BY

ALL INLET HEADWALLS TO BE PROTECTED WITH SILT GATES, AND ALL DROP INLETS TO BE UNDERCUT 1.5FT DEEP BY 10FT IN DIAMETER.

ERODED VEGETATED SLOPES WILL BE BACKFILLED, SMOOTHED, SEEDED OR GRASSED AND COVERED WITH GEOTEXTILE MATTING.

THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND DISTURBING

ACTIVITIES.

HE ARCHITECT. REPRODUCTION, COPYING, OR USE OF THIS RAWING WITHOUT THEIR WRITTEN CONSENT IS PROHIBITED ND ANY INFRINGEMENT IS SUBJECT TO LEGAL ACTION.



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BMITTALS / REVISIONS O. DATE DESCRIPTION PERMIT REVISIONS 09.06.2022 05.15.2023 SEGMENT OF TRAIL OMITTED

PERMIT DRAWINGS

**ESPC INTERMEDIATE** PHASE

07/01/2022 DRAWN BY CHECKED BY

SHEET NO.

Permit # LDP22-00012

# LAYOUT NOTES:

SEE SHEET C0.01 FOR GENERAL NOTES.

SEE ARCHITECTURAL SHEETS FOR BUILDING. INSTALL JOINTS WHERE SHOWN TO ALIGN TO WALLS, BUILDINGS, RADII, ETC. EVENLY SPACE BETWEEN ELEMENTS AS SHOWN. PROVIDE EXPANSION JOINTS BETWEEN

4. LAYOUT ALL CURVES SMOOTHLY WITH NO ABRUPT CHANGES AT TANGENT POINTS.

ALL CURBS ARE DIMENSIONED TO THE FACE OF CURB. 6. CONTRACTOR TO TAKE ALL PRECAUTIONS TO FIND AND AVOID SITE UTILITIES. ALL

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BE STRAIGHT AND TRUE.

CONCRETE PAVEMENT AND VERTICAL ELEMENTS (WALL, CURBS, ETC.). ALL JOINTS TO

UTILITIES ARE NOT SHOWN ON DRAWING. VERIFY LOCATIONS AND CONSIDER SUCH

THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). LATEST EDITION. 8. ALL PAVEMENT MARKINGS TO BE THERMOPLASTIC, UNLESS OTHERWISE NOTED.

9. ALL ANGLES ARE 90° UNLESS OTHERWISE NOTED. 10. ALL RADIUS ARE 5' UNLESS OTHERWISE NOTED.

UNIFORMLY SPREAD AGRICULTURAL LIME ON THE GROUND AT THE APPROXIMATE RATE Ds3 DETERMINED BY THE LABORATORY SOIL TEST. UNIFORMLY SPREAD THE FERTILIZER SELECTED OVER THE GROUND AT APPROXIMATELY 1,200 LBS/ACRE (1350 KG/HA). IF USING A HIGHER ANALYSIS FERTILIZER WITH HYDROSEEDING, APPLY

DEPEND UPON DATE OF COMPLETION.

IT AT THE SAME RATE PER ACRE (HECTARE) AS THE STANDARD FERTILIZER. EVENLY APPLY STRAW MULCH IMMEDIATELY AFTER SEEDING BETWEEN 3/4 IN AND 1-1/2 IN (20 MM and 40 MM) DEEP, ACCORDING TO THE TEXTURE AND MOISTURE CONTENT OF THE MULCH MATERIAL. MULCH SHALL ALLOW SUNLIGHT TO PENETRATE AND AIR TO CIRCULATE AS WELL AS SHADE THE GROUND, REDUCE EROSION, AND CONSERVE SOIL MOISTURE.

DISTURBANCES DURING THIS CONTRACT) NOT RECEIVING SPRIGGING OR SODDING (SEE

LANDSCAPE PLANS) AS A PART OF THIS CONTRACT. THESE AREAS INCLUDE OPEN AREAS,

DETENTION BASINS, AREAS OF FUTURE PAVING, PARKING LOTS, & ROADS. SEED SPECIES

THE SITE IS LOCATED WITHIN 1-MILE FROM AN IMPAIRED

STREAM SEGMENT

1. ALL PHASE 1 PRACTICES TO BE COMPLETED PRIOR TO ANY OTHER LAND DISTURBANCE ACTIVITIES. PHASE 2 PRACTICES TO BE IMPLEMENTED AS NEEDED DURING CONSTRUCTION. PHASE 3 PRACTICES TO BE IMPLEMENTED AS SOON AS CONSTRUCTION IS COMPLETE ON DIFFERENT ASPECTS OF THE PROJECT, NOT AT END OF ALL CONSTRUCTION ACTIVITIES FOR ENTIRE SITE.

2. ALL TEMPORARY EROSION CONTROL MEASURES ARE TO BE REMOVED FROM SITE AT COMPLETION OF PROJECT OR WHEN CONTRIBUTING DRAINAGE AREA ACHIEVES FINAL STABILIZATION. STORM DRAIN OUTLET PROTECTION TO REMAIN IN PERMANENT CONDITION. ALL OTHER EROSION CONTROL MEASURES ON THIS SHEET ARE TEMPORARY.

MAP SYMBOL	CODE	PRACTICE	CALLOUT(S)
	Co	CONSTRUCTION EXIT	01 C3.40
— §F ——	Sd1-S	SEDIMENT BARRIER (SENSITIVE AREA)	V 02 C3.40
	Ds1	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)	V 05 C3.40
	Ds2	DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)	▼ 06 C3.40
	Ds3	DISTURBED AREA STABILIZATION (WITH PERMANENT SEEDING)	01 C3.41
	Du	DUST CONTROL ON DISTURBED AREAS	V 04 C3.40
			1

NRCS SOILS TYPE LEGEND

CARTECAY SILT LOAM, FREQUENTLY FLOODED

TOCCOA SANDY LOAM, 0 TO 2 % SLOPES, FREQUENTLY FLOODED URBAN LAND

PACOLET-URBAN LAND COMPLEX, 10 TO 25 % SLOPES

# DESIGNER GSWCC LEVEL II

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



ASATO MASUYAMA, CERTIFIED DESIGN PROFESSIONAL

FLOODPLAIN NOTE: THIS SITE IS LOCATED WITHIN A ZONE AS DEFINED BY FIRM COMMUNITY PANEL NUMBER 13089C0012K FOR CITY OF

THE CERTIFICATE OF OCCUPANCY.

BROOKHAVEN, DeKALB COUNTY, GEORGIA (AUGUST 15, 2019).

PHASE III EROSION CONTROL NOTE ALL EROSION CONTROL MEASURES TO BE INSTALLED PER 2016 GREEN BOOK. CONTRACTOR TO REMOVE SILT FENCE AFTER ALL SOIL IS STABILIZED AND AFTER ISSUANCE OF

> CONSTRUCTION ADDRESS: MURPHEY CANDLER PARK 1551 WEST NANCY CREEK DR ATLANTA, GA 30319

PRIMARY PERMITTEE / OWNER CONTACT: BRIAN BORDEN CITY OF BROOKHAVEN 3360 OSBORNE ROAD BROOKHAVEN, GA 30319 PHONE: 404.637.0562

24-HR. EMERGENCY CONTACT: BRIAN BORDEN - 404.637.0562 BRIAN.BORDEN@BROOKHAVENGA.GOV

> EXISTING USE: MUNICIPAL PARK PROPOSED USE: MUNICIPAL PARK

TOTAL PROJECT AREA: ± 1,602,679-SF, ± 36.79-AC TOTAL DISTURBED AREA: ± 131,546-SF, ± 3.02-AC

# SEEDING NOTE THIS CONTRACT:

# LAYOUT NOTES:

SEE SHEET C0.01 FOR GENERAL NOTES.

SEE ARCHITECTURAL SHEETS FOR BUILDING.

INSTALL JOINTS WHERE SHOWN TO ALIGN TO WALLS, BUILDINGS, RADII, ETC. EVENLY SPACE BETWEEN ELEMENTS AS SHOWN. PROVIDE EXPANSION JOINTS BETWEEN CONCRETE PAVEMENT AND VERTICAL ELEMENTS (WALL, CURBS, ETC.). ALL JOINTS TO BE STRAIGHT AND TRUE.

4. LAYOUT ALL CURVES SMOOTHLY WITH NO ABRUPT CHANGES AT TANGENT POINTS. ALL CURBS ARE DIMENSIONED TO THE FACE OF CURB.

6. CONTRACTOR TO TAKE ALL PRECAUTIONS TO FIND AND AVOID SITE UTILITIES. ALL UTILITIES ARE NOT SHOWN ON DRAWING. VERIFY LOCATIONS AND CONSIDER SUCH WHEN ESTIMATING.

7. ALL PAVEMENT MARKING AND TRAFFIC CONTROL DEVICES SHALL BE INSTALLED PER THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). LATEST EDITION.

8. ALL PAVEMENT MARKINGS TO BE THERMOPLASTIC, UNLESS OTHERWISE NOTED. 9. ALL ANGLES ARE 90° UNLESS OTHERWISE NOTED.

IT AT THE SAME RATE PER ACRE (HECTARE) AS THE STANDARD FERTILIZER. EVENLY APPLY STRAW MULCH IMMEDIATELY AFTER SEEDING BETWEEN 3/4 IN AND 1-1/2 IN (20 MM and 40 MM) DEEP, ACCORDING TO THE TEXTURE AND MOISTURE CONTENT OF THE MULCH MATERIAL. MULCH SHALL ALLOW SUNLIGHT TO PENETRATE AND AIR TO CIRCULATE AS WELL AS SHADE THE GROUND, REDUCE EROSION, AND CONSERVE SOIL MOISTURE. 10. ALL RADIUS ARE 5' UNLESS OTHERWISE NOTED.

NOTE: IF AREAS ARE NOT TO BE PLANTED WITH OTHER MATERIAL (SEE LANDSCAPE PLANS) SEED TO BE BERMUDA GRASS @ 75 LBS/AC. IF SEEDING OCCURS OCT. - FEB., USE TEMPORARY

SEED ALL DISTURBED AREAS (BOTH THOSE FROM PREVIOUS GRADING OPERATIONS, AND

LANDSCAPE PLANS) AS A PART OF THIS CONTRACT. THESE AREAS INCLUDE OPEN AREAS,

DETENTION BASINS, AREAS OF FUTURE PAVING, PARKING LOTS, & ROADS. SEED SPECIES

UNIFORMLY SPREAD AGRICULTURAL LIME ON THE GROUND AT THE APPROXIMATE RATE

UNIFORMLY SPREAD THE FERTILIZER SELECTED OVER THE GROUND AT APPROXIMATELY 1,200

LBS/ACRE (1350 KG/HA). IF USING A HIGHER ANALYSIS FERTILIZER WITH HYDROSEEDING, APPLY

DISTURBANCES DURING THIS CONTRACT) NOT RECEIVING SPRIGGING OR SODDING (SEE

APPLY STRAW MULCH, LIME, & FERTILIZER AS FOLLOWS.

DEPEND UPON DATE OF COMPLETION.

DETERMINED BY THE LABORATORY SOIL TEST.

SEEDING OF ANNUAL RYEGRASS @ 49 LBS/AC, TO BE FOLLOWED WITH BERMUDA MAR. - SEPT..



# FINAL PHASE **EROSION CONTROL NOTES**

THE FOLLOWING EROSION CONTROL MEASURES SHALL BE IMPLEMENTED DURING THE FINAL EROSION CONTROL PHASE OF CONSTRUCTION:

MAINTAIN FULL COORDINATION WITH THE DESIGN PROFESSIONAL, CONTRACTOR AND

REGULATORY INSPECTOR AT ALL TIMES REGARDING PROJECT SEQUENCE.

SEDIMENT SHALL NOT BE WASHED INTO INLETS. IT SHALL BE REMOVED FROM THE SEDIMENT TRAPS AND DISPOSED OF AND STABILIZED SO THAT IT WILL NOT ENTER THE INLETS AGAIN.

ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD OF GREATER THAN 7 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

ALL DISTURBED AREAS LEFT MULCHED AFTER 30 DAYS SHALL BE STABILIZED WITH TEMPORARY GRASSING.

THE CONTRACTOR SHALL MAINTAIN ALL SEDIMENT PONDS AND EROSION CONTROL MEASURES UNTIL PERMANENT GROUND COVER IS ESTABLISHED. SEDIMENT SHALL BE CLEANED OUT OF THE PONDS WHEN IT REACHES THE HALF-WAY POINT ON THE RISER.

AFTER CURBING, GRADED AGGREGATE BASE, AND PAVEMENT HAVE BEEN INSTALLED, ALL INLET SEDIMENT TRAPS ON SINGLE AND DOUBLE WING CATCH BASINS ALONG WITH ANY CURB INLETS SHALL BE REMOVED AND REPLACED WITH CURB FILTER INLET PROTECTION. SEE SEPARATE DETAIL FOR ADDITIONAL INFORMATION.

ALL ROADWAY AND PARKING SHOULDERS SHOULD BE APPLIED WITH VEGETATIVE COVER AS SOON AS FINAL GRADE IS ACHIEVED BEHIND CURBS.

SEDIMENT AND EROSION CONTROL MEASURES SHOULD BE CHECKED AFTER EACH RAIN EVENT. EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED ONE-HALF THE CAPACITY OF THE DEVICE. ADDITIONAL DEVICES MUST BE INSTALLED IF NEW CHANNELS HAVE DEVELOPED.

THE CONSTRUCTION EXIT SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACK OR FLOW OF MUD ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 1-3" OF STONE, AS CONDITIONS DEMAND, ALL MATERIALS SPILLED, DROPPED, WASHED. OR TRACKED FROM VEHICLE ONTO PUBLIC ROADWAY OR INTO STORM DRAIN MUST BE REMOVED IMMEDIATELY.

CONTRACTOR SHALL INSPECT CONTROL MEASURES AT THE END OF EACH WORKING DAY TO ENSURE MEASURES ARE FUNCTIONING PROPERLY.

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 AS DIRECTED BY THE ON-SITE INSPECTOR OR THE CIVIL

ALL TEMPORARY SEDIMENT BASINS SHALL BE REMOVED WHEN THE DEVELOPMENT IS COMPLETE AND ALL DISTURBED AREAS HAVE BEEN STABILIZED WITH PERMANENT VEGETATION.

FAILURE TO INSTALL, OPERATE, OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB UNTIL SUCH MEASURES ARE CORRECTED BACK TO THE APPROVED EROSION CONTROL PLANS.

THE SITE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTENANCE OF ALL EROSION CONTROL MEASURES INCLUDING REPLACING OR REPAIRING ANY DAMAGED DEVICES DUE TO CONSTRUCTION ACTIVITY BY OTHERS.

ERODED VEGETATED SLOPES WILL BE BACKFILLED, SMOOTHED, SEEDED OR GRASSED AND COVERED WITH GEOTEXTILE MATTING.

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

UPON COMPLETION OF THE PROJECT AND RECEIPT OF CERTIFICATE OF OCCUPANCY, THE CONTRACTOR SHALL REMOVE ALL TEMPORARY EROSION CONTROL MEASURES AND DISPOSE OF THEM UNLESS NOTED ON PLANS.

# STREAM BUFFER KEY



25' BUFFER

50' BUFFER





THE ARCHITECT. REPRODUCTION, COPYING, OR USE OF THIS DRAWING WITHOUT THEIR WRITTEN CONSENT IS PROHIBITED AND ANY INFRINGEMENT IS SUBJECT TO LEGAL ACTION.



S

UBMITTALS / REVISIONS NO. DATE DESCRIPTION PERMIT REVISIONS 09.06.2022 2 05.15.2023 SEGMENT OF TRAIL OMITTE

PERMIT DRAWINGS

ESPC FINAL PHASE

CHECKED BY

07/01/2022 DRAWN BY

SHEET NO.

Permit # LDP22-00012

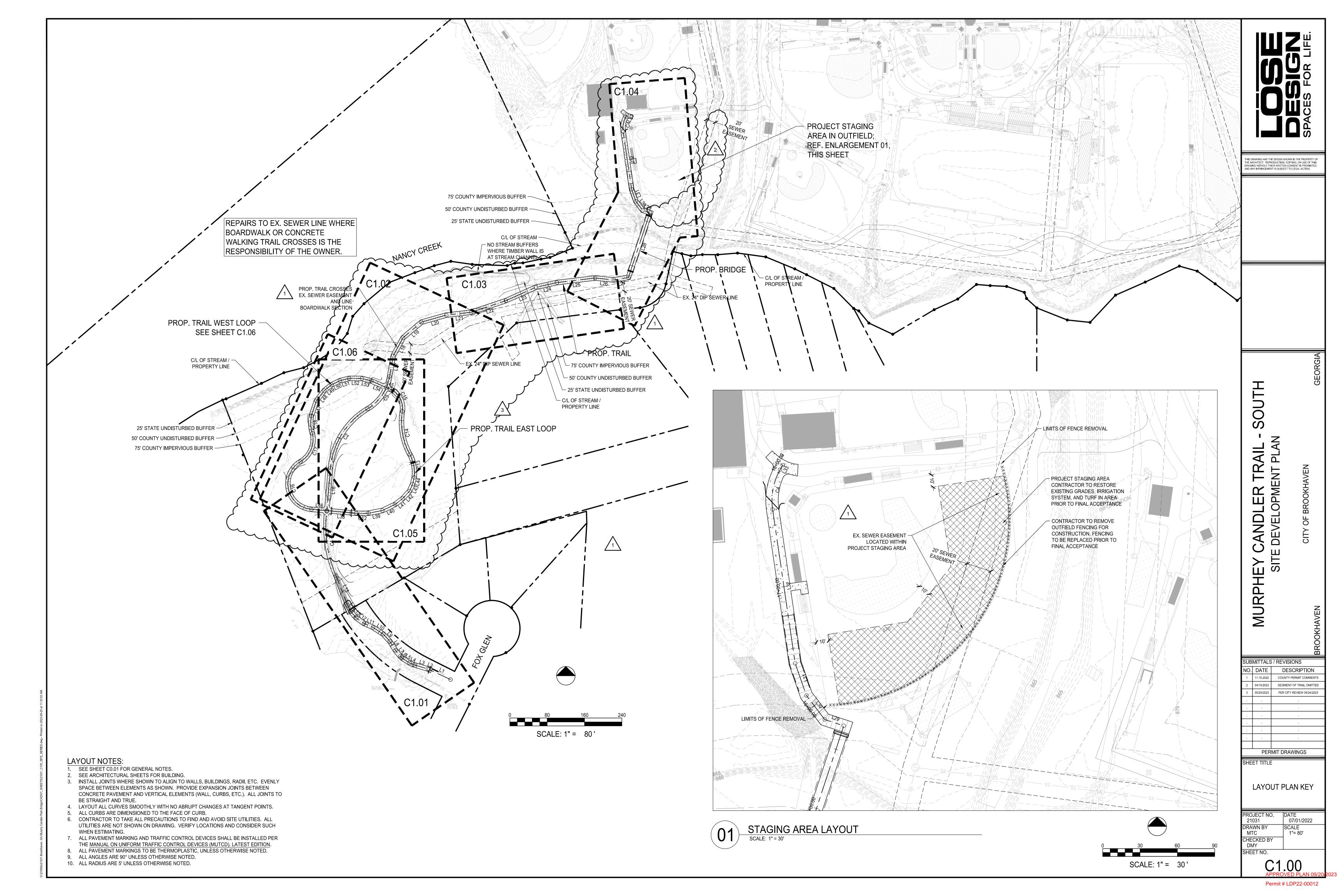
SCALE: 1" = 50'

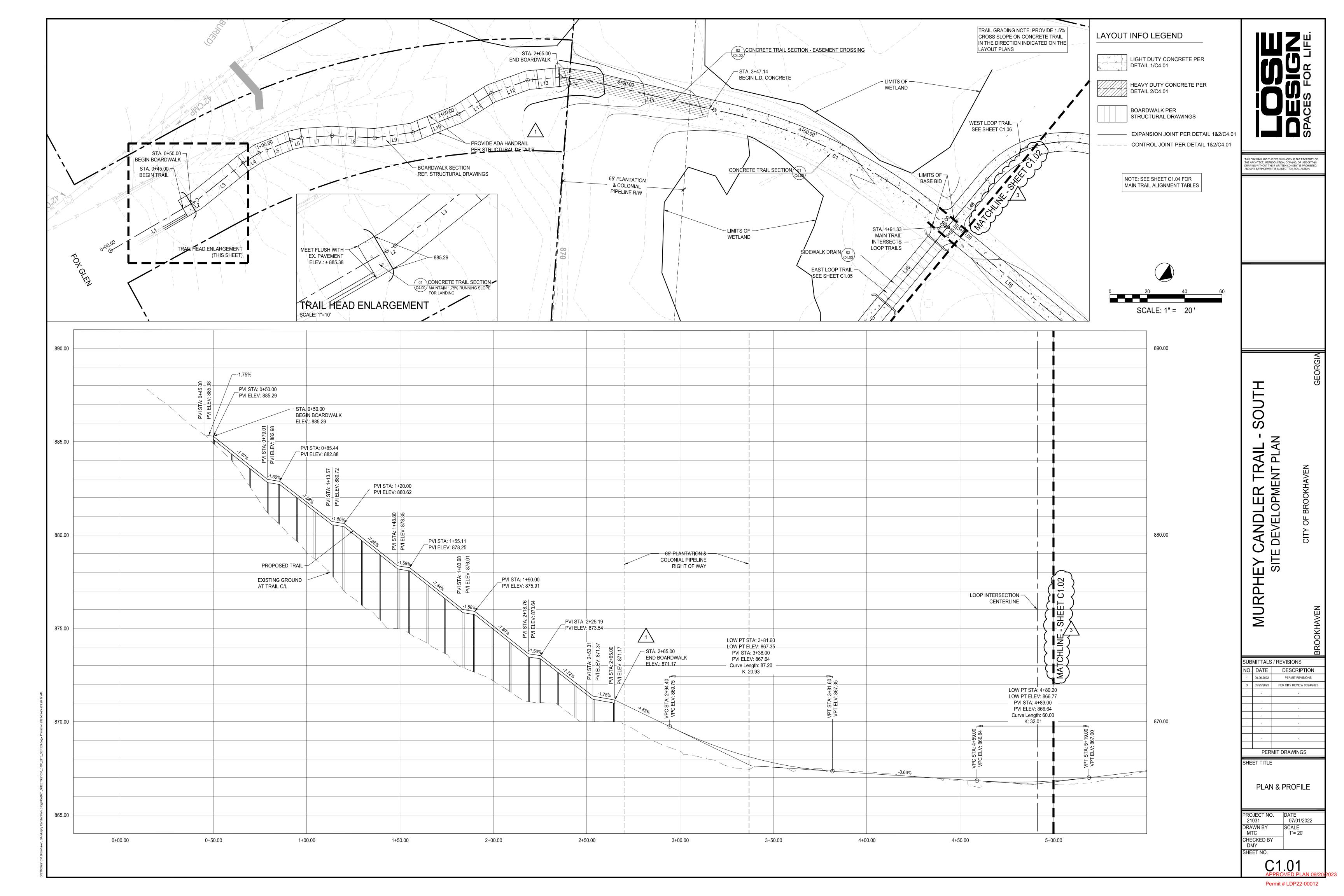
THERE ARE DELINEATED ON-SITE WETLANDS WITHIN 200

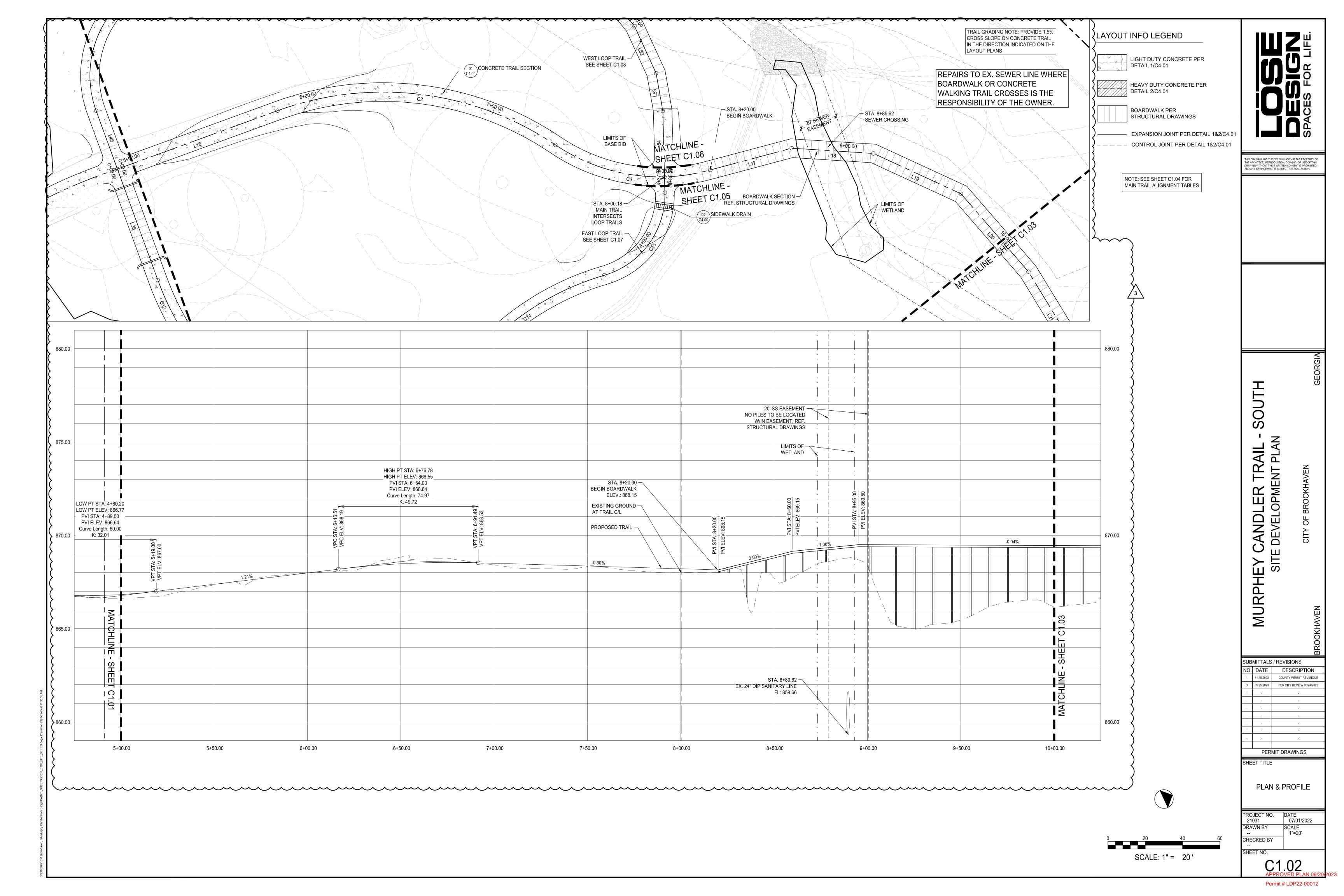
FEET OF THE PROJECT SITE AN UNNAMED TRIBUTARY OF NANCY CREEK IS THE RECEIVING WATERS FOR THIS SITE

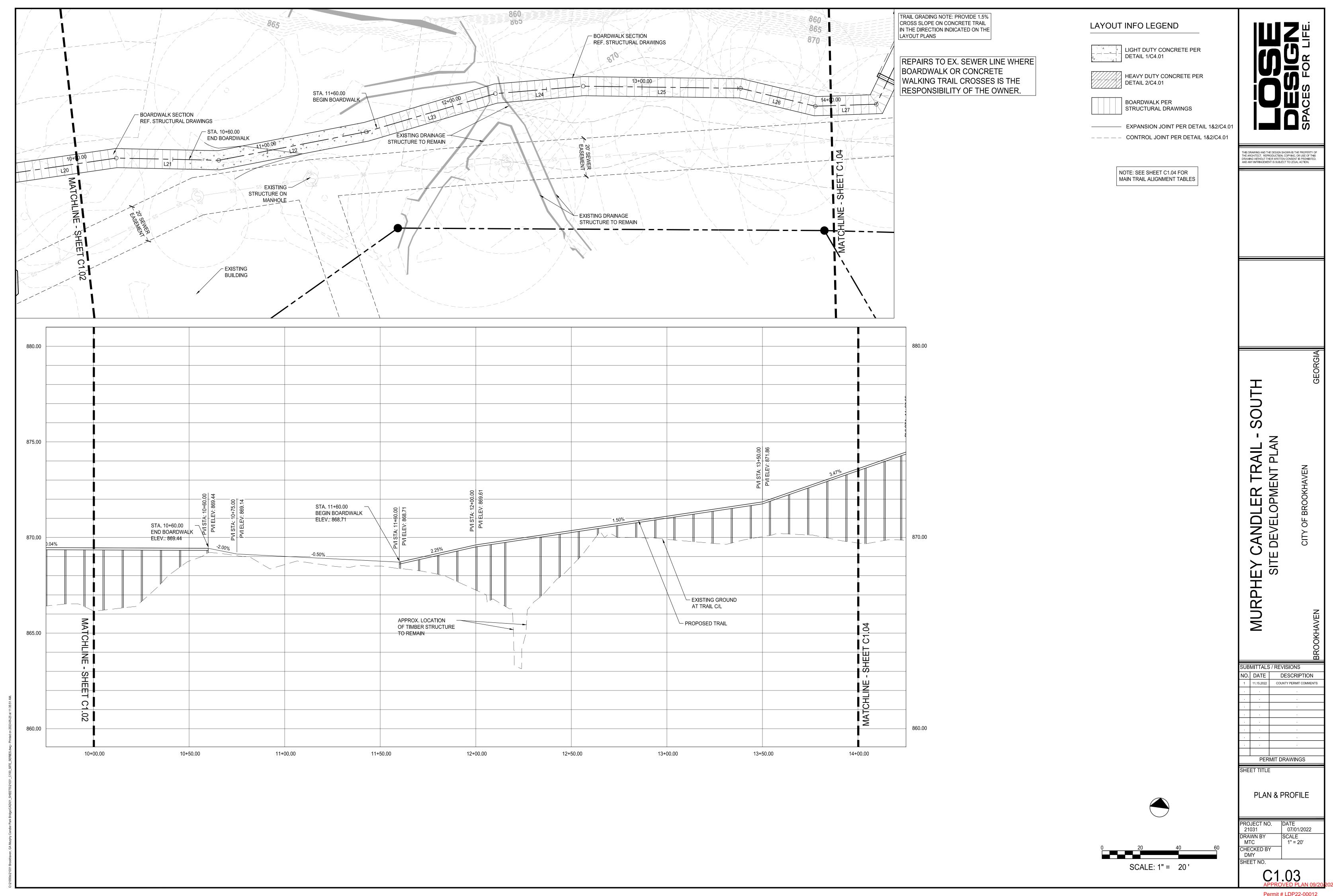
THE SITE IS LOCATED WITHIN 1-MILE FROM AN IMPAIRED

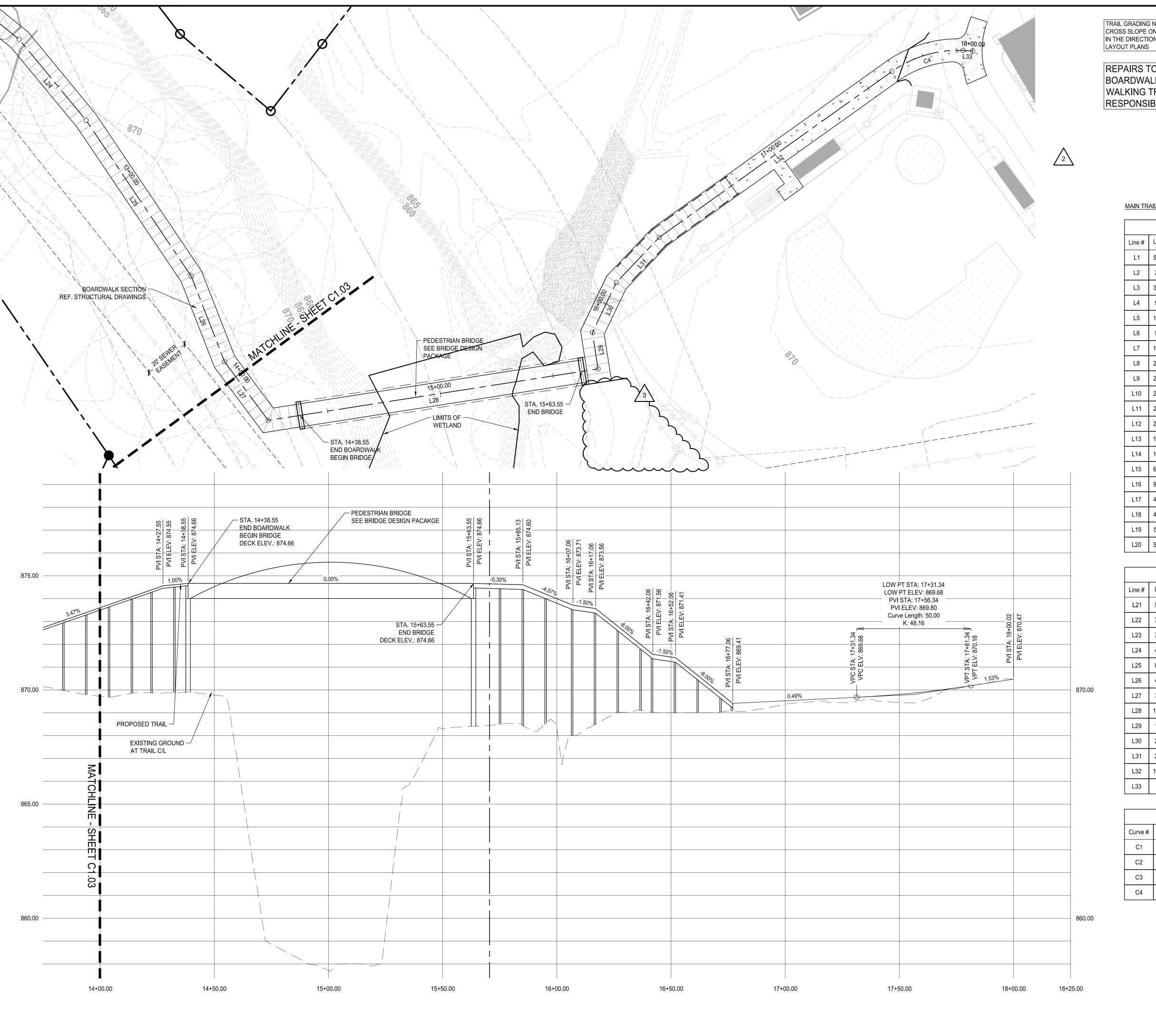
STREAM SEGMENT











TRAIL GRADING NOTE: PROVIDE 1.5% CROSS SLOPE ON CONCRETE TRAIL IN THE DIRECTION INDICATED ON THE

REPAIRS TO EX. SEWER LINE WHERE BOARDWALK OR CONCRETE WALKING TRAIL CROSSES IS THE RESPONSIBILITY OF THE OWNER.

# LAYOUT INFO LEGEND

LIGHT DUTY CONCRETE PER DETAIL 1/C4.01

HEAVY DUTY CONCRETE PER DETAIL 2/C4.01

**BOARDWALK PER** STRUCTURAL DRAWINGS

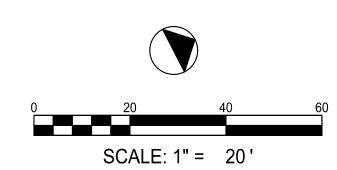
----- EXPANSION JOINT PER DETAIL 1&2/C4.01 - - - - CONTROL JOINT PER DETAIL 1&2/C4.01

# MAIN TRAIL ALIGNMENT TABLES

			Line Table: Alignments	
Line #	Length	Direction	Start Point	End Point
L1	50.980	N64° 48' 39.29"W	(2247775.8097,1420397.2728)	(2247729.6777,1420418.9701)
L2	2.660	N66° 18' 46.52"W	(2247729.6777,1420418.9701)	(2247727.2422,1420420.0386)
L3	31.683	N73° 17' 09.25"W	(2247727.2422,1420420.0386)	(2247696.8980,1420429.1504)
L4	9.914	N67° 24' 20.65"W	(2247696.8980,1420429.1504)	(2247687.7447,1420432.9595)
L5	18.828	N56° 39' 23.90"W	(2247687.7447,1420432.9595)	(2247672.0156,1420443.3086)
L6	5.654	N46° 36' 27.65"W	(2247672.0156,1420443.3086)	(2247667.9070,1420447.1929)
L7	16.349	N38° 43' 00.55"W	(2247667.9070,1420447.1929)	(2247657.6812,1420459.9490)
L8	22.988	N31° 35' 56.78"W	(2247657.6812,1420459.9490)	(2247645.6359,1420479.5291)
L9	20.529	N42° 54' 31.97"W	(2247645.6359,1420479.5291)	(2247631.6594,1420494.5650)
L10	26.319	N56° 25' 37.28"W	(2247631.6594,1420494.5650)	(2247609.7308,1420509.1194)
L11	20.892	N66° 41' 04.87"W	(2247609.7308,1420509.1194)	(2247590.5450,1420517.3882)
L12	20.635	N54° 33' 11.26"W	(2247590.5450,1420517.3882)	(2247573.7349,1420529.3552)
L13	17.738	N40° 07' 47.24"W	(2247573.7349,1420529.3552)	(2247562.3026,1420542.9172)
L14	15.140	N27° 10' 27.40"W	(2247562.3026,1420542.9172)	(2247555.3883,1420556.3859)
L15	69.264	N21° 30' 58.95"W	(2247555.3883,1420556.3859)	(2247529.9845,1420620.8232)
L16	93.134	N04° 58' 22.88"E	(2247510.4700,1420757.3801)	(2247518.5434,1420850.1633)
L17	45.125	N10° 03' 52.64"E	(2247645.2634,1421046.8707)	(2247653.1494,1421091.3013)
L18	43.854	N28° 38' 26.85"E	(2247653.1494,1421091.3013)	(2247674.1696,1421129.7898)
L19	51.691	N49° 43' 45.29"E	(2247674.1696,1421129.7898)	(2247713.6094,1421163.2026)
L20	55.140	N74° 07' 20.09"E	(2247713.6094,1421163.2026)	(2247766.6458,1421178.2882)

			Line Table: Alignments	
Line #	Length	Direction	Start Point	End Point
L21	53.657	N83° 37' 41.80"E	(2247766.6458,1421178.2882)	(2247819.9709,1421184.2429)
L22	78.556	N71° 27' 10.45"E	(2247819.9709,1421184.2429)	(2247894.4470,1421209.2303
L23	70.445	N65° 56' 30.95"E	(2247894.4470,1421209.2303)	(2247958.7722,1421237.9479
L24	46.162	N77° 32' 21.28"E	(2247958.7722,1421237.9479)	(2248003.8467,1421247.9083
L25	82.297	N83° 11' 05.32"E	(2248003.8467,1421247.9083)	(2248085.5625,1421257.6743
L26	40.177	S84° 09' 02.94"E	(2248085.5625,1421257.6743)	(2248125.5305,1421253.5798
L27	31.991	N80° 30' 13.47"E	(2248125.5305,1421253.5798)	(2248157.0827,1421258.8577
L28	146.214	N18° 16' 44.56"E	(2248157.0827,1421258.8577)	(2248202.9419,1421397.6935
L29	16.111	N71° 43' 15.52"W	(2248202.9419,1421397.6935)	(2248187.6443,1421402.7464
L30	24.278	N37° 17' 33.20"W	(2248187.6443,1421402.7464)	(2248172.9347,1421422.0608
L31	27.325	N19° 17' 41.12"W	(2248172.9347,1421422.0608)	(2248163.9059,1421447.8506
L32	125.039	N08° 20' 03.31"W	(2248163.9059,1421447.8506)	(2248145.7818,1421571.5686
L33	4.251	N30° 14' 22.56"E	(2248151.7724,1421603.4903)	(2248153.9133,1421607.1628

	Curve Table: Alignments					
Curve #	Radius	Length	Chord Direction	Start Point	End Point	
C1	270.000	139.490	N08° 07' 57.79"W	(2247529.9845,1420620.8232)	(2247510.4700,1420757.3801)	
C2	165.000	155.697	N32° 00' 20.26"E	(2247518.5434,1420850.1633)	(2247598.0354,1420977.3492)	
C3	100.002	86.740	N34° 11' 21.98"E	(2247598.0354,1420977.3492)	(2247645.2634,1421046.8707)	
C4	50.000	33.079	N10° 37' 43.72"E	(2248145.7818,1421571.5686)	(2248151.7724,1421603.4903)	





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SOUTH CANDLER TRAIL - E DEVELOPMENT PLAN MURPHEY C SITE I

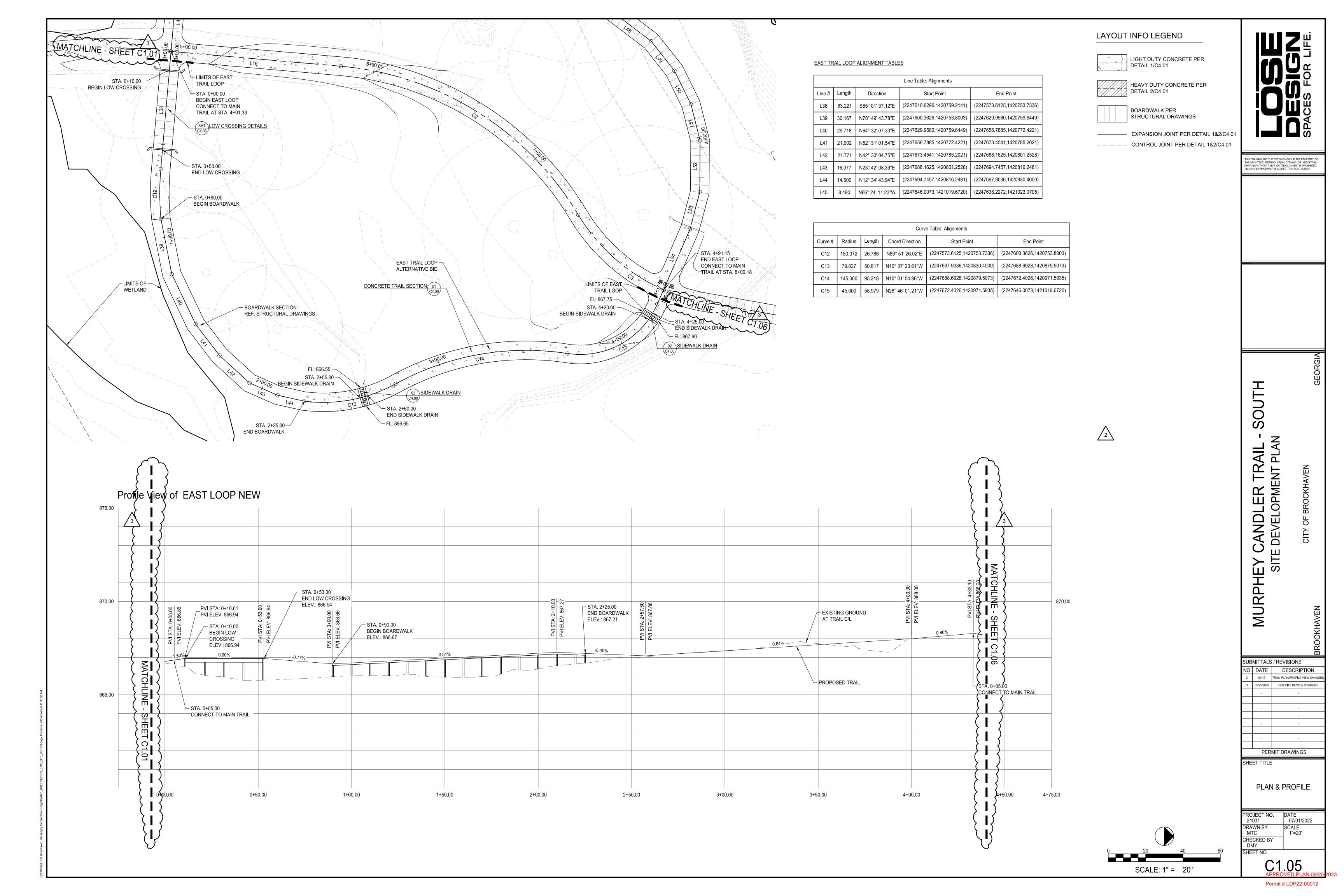
SUBMITTALS / REVISIONS NO. DATE DESCRIPTION 
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 11.15.2022
 COUNTY PERMIT COMMENTS

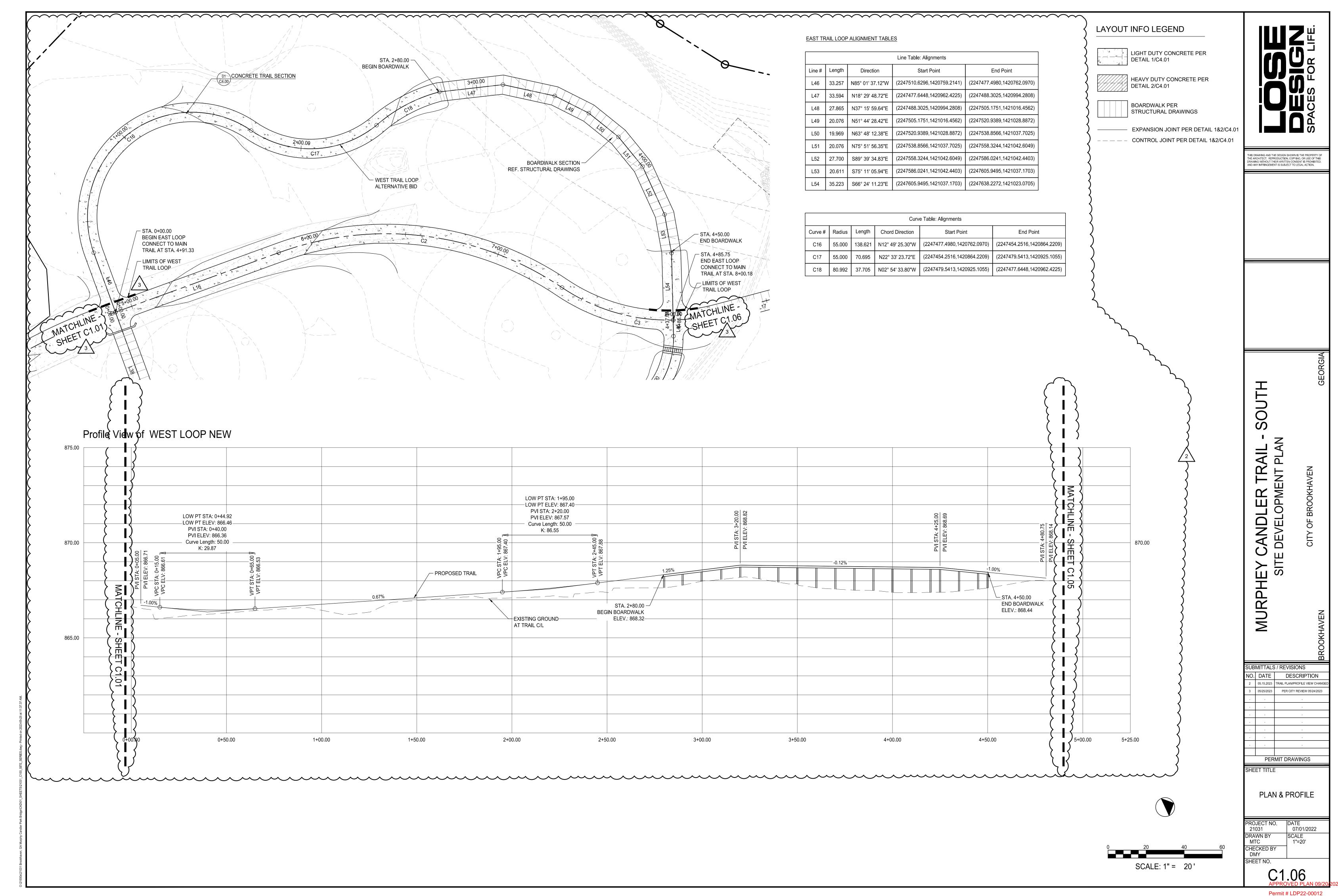
 2
 05.15.2023
 TRAIL PLAN/PROFILE VIEW CHANGE
 3 05.25.2023 PER CITY REVIEW 05.24.2023

PERMIT DRAWINGS

PLAN & PROFILE

07/01/2022 DRAWN BY MTC 1" = 20' CHECKED BY DMY SHEET NO.





### EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN (ESPC)

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

### SITE DESCRIPTION:

OWNER/DEVELOPER AS PRIMARY PERMITTEE WILL OVERSEE SITE CONSTRUCTION LOCATED WITHIN THE PROPERTY LOCATED AT 1551 WEST NANCY CREEK, ATLANTA, GA 30319. THE ENTIRE SITE CONTAINS ±36.79 ACRES.

### DESCRIBE PROPERTY TO BE DEVELOPED: MUNICIPAL PARK

AFTER PLACEMENT OF PERIMETER SILT PROTECTION BARRIERS AND CONSTRUCTION ENTRANCES CONSTRUCTION WILL BEGIN WITH DEMOLITION OF EXISTING SITE FEATURES AS OUTLINED ON THE DEMOLITION PLAN SHEET C0.03 CONTINUING WITH CLEARING AND GRUBBING OF VEGETATION IN AREAS THAT ARE TO BE DISTURBED, PRELIMINARY AND FINAL GRADING, UTILITY INSTALLATION, SIDEWALKS AND STRUCTURES PER THE PHASED EROSION CONTROL PLAN SHEETS C2.10-C2.32 AND CONSTRUCTION PLAN

STORM WATER RUNOFF FROM THIS DEVELOPMENT WILL BE DIVERTED THROUGH TEMPORARY BMP'S UNTIL THE SITE IS STABILIZED.

# ZONING:

THIS SITE IS ZONED R-100.

# SURVEY INFORMATION

BOUNDARY AND TOPOGRAPHIC SURVEY, DATED 08/22/2016, BY TERRAMARK LAND SURVEYING, INC.

NO PORTION OF THIS PROPERTY LIES WITHIN A SPECIAL FLOOD HAZARD AREA PER FEMA FIRM PANEL 13089C0014K, EFFECTIVE DATE AUGUST 15, 2019.

### RUNOFF COEFFICIENT

- RUNOFF COEFFICIENT

   WEIGHTED PRE-CONSTRUCTION CN CURVE NUMBER: 55
- WEIGHTED POST-CONSTRUCTION CN CURVE NUMBER: 60

### SOIL TYPES

THE NRCS SOIL TYPES CAN BE FOUND ON SHEET C2.10 OF THESE CONSTRUCTION DOCUMENTS

### SOIL DISTRIBUTING ACTIVITIES INCLUDE:

- INSTALLING A STABILIZED CONSTRUCTION EXIT, PERIMETER AND OTHER EROSION AND SEDIMENT
- CONTROLS.
- CLEARING AND GRUBBING.EXCAVATION OF THE FOUNDATION.
- EXCAVATION OF THE FOUNDATION.
  GRADING AND EXCAVATION FOR UTILITIES.
- GRADING AND EXCAVATION FOR UTILITIES.
   PREPARATION FOR FINAL PLANTING AND SEEDING.
- PREPARATION FOR FINAL PLANTING AND SEEDIN
   COMPLETION OF ON-SITE STABILIZATION.
- SEQUENCE OF MAJOR ACTIVITIES SEE CONSTRUCTION SCHEDULE

### SEQUENCE OF MAJOR ACTIVITIES - SEE CONSTRUCTION SCHEDULE

THERE ARE 25 FOOT STATE WATERS BUFFERS ON THIS SITE BUT THERE ARE NO ENCROACHMENTS. A BUFFER VARIANCE IS NOT REQUIRED FROM GEORGIA ENVIRONMENTAL PROTECTION DIVISION (EPD).

THE RECEIVING WATER FOR THIS SITE IS AN UNNAMED TRIBUTARY OF NANCY CREEK.
THIS PROJECT DOES DISCHARGE STORMWATER INTO AN IMPAIRED STREAM SEGMENT, OR WITHIN 1
LINEAR MILE UPSTREAM OF AND WITHIN THE SAME WATERSHED AS, ANY PORTION OF AN BIOTA IMPAIRED STREAM SEGMENT.

# CONTROLS

# EROSION AND SEDIMENT CONTROLS

ALL PERIMETER SILT FENCES AND CONSTRUCTION EXITS SHALL BE IN PLACE PRIOR TO ANY LAND DISTURBING ACTIVITIES.

EXISTING VEGETATION SHALL BE LEFT IN PLACE UNTIL SUCH TIME THAT LAND DISTURBING ACTIVITIES ARE TO TAKE PLACE UPON THAT PORTION OF THE SITE. WHEN CONSTRUCTION ACTIVITIES HAVE CEASED IN AN AREA, THAT AREA SHALL BE STABILIZED WITHIN 14 DAYS. IF THE AREA IS NOT YET TO FINAL GRADE, IT SHALL BE MULCHED. IF THE AREA IS TO FINAL GRADE AND WILL EVENTUALLY CONTAIN SITE IMPROVEMENTS SUCH AS THE STRUCTURES OR SIDEWALKS, IT SHALL BE TEMPORARY SEEDED. AREAS BROUGHT TO FINAL GRADE THAT WILL REMAIN PERVIOUS ARE TO BE PERMANENTLY SEEDED. ALLOWABLE EXCEPTIONS FROM THE NPDES GENERAL PERMIT, GAR 100001, ARE NOTED BELOW.

"WHERE THE INITIATION OF STABILIZATION MEASURES BY THE 14TH DAY AFTER CONSTRUCTION, ACTIVITY TEMPORARY OR PERMANENTLY CEASE IS PRECLUDED BY SNOW COVER OR OTHER ADVERSE WEATHER CONDITIONS, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE."

"WHERE CONSTRUCTION ACTIVITY WILL RESUME ON A PORTION OF THE SITE WITHIN 21 DAYS FROM WHEN ACTIVITIES CEASED, (E.G. THE TOTAL TIME PERIOD THAT CONSTRUCTION ACTIVITY IS TEMPORARILY CEASED IS LESS THAN 21 DAYS) THEN STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE BY THE 14TH DAY AFTER CONSTRUCTION ACTIVITY TEMPORARILY CEASED."

PLEASE REFER TO DETAIL SHEETS FOR THE LAND DISTURBANCE CONSTRUCTION SCHEDULE AND TEMPORARY AND PERMANENT GRASSING SCHEDULES.

# NON- STORM WATER DISCHARGES

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

# OTHER CONTROLS

NO WASTE WILL BE DISPOSED OF INTO STORM WATER INLETS OR WATERS OF THE STATE.

# WASTE MATERIALS

ALL WASTE MATERIALS WILL BE COLLECTED AND STORED IN A SECURELY LIDDED METAL DUMPSTER. THE DUMPSTER WILL MEET ALL 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 ONSITE.

ALL PERSONNEL WILL BE INSTRUCTED ON PROPER PROCEDURES FOR WASTE DISPOSAL. A NOTICE STATING THESE PRACTICES WILL BE POSTED AT THE JOBSITE AND THE CONTRACTOR WILL BE RESPONSIBLE FOR SEEING THAT THESE PROCEDURES ARE FOLLOWED.

### 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 ESPCP 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 ALL THE SPECIFIC INFORMATION IN THE APPLICABLE MSDS FOR THE PRODUCT HE/SHE IS USING PARTICULARLY REGARDING SPILL CONTROL TECHNIQUES.

THE CONTRACTOR WILL IMPLEMENT THE SPILL PREVENTION CONTROL AND COUNTERMEASURES (SPCC) PLAN FOUND WITHIN THIS ESPCP AND WILL TRAIN ALL PERSONNEL IN THE PROPER CLEANUP AND HANDLING OF SPILLED MATERIALS. NO SPILLED HAZARDOUS MATERIALS OR HAZARDOUS WASTE WILL BE ALLOWED TO COME IN CONTACT WITH STORM WATER DISCHARGES. IF SUCH CONTACT OCCURS, THE STORM WATER DISCHARGE WILL BE CONTAINED ONSITE UNTIL APPROPRIATE MEASURES IN COMPLIANCE WITH STATE AND FEDERAL REGULATIONS ARE TAKEN TO DISPOSE OF SUCH CONTAMINATED STORM WATER. IT SHALL BE THE RESPONSIBILITY OF THE JOB SITE SUPERINTENDENT TO PROPERLY TRAIN ALL PERSONNEL IN THE USE OF THE SPCC PLAN.

# SANITARY WASTES

A MINIMUM OF ONE PORTABLE SANITARY UNIT WILL BE PROVIDED FOR EVERY TEN WORKERS ON THE SITE. ALL SANITARY WASTE WILL BE COLLECTED FROM THE PORTABLE 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 ONE 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 WILL BE DETERMINED BY THE CONTRACTOR.

SANITARY SEWER WILL BE PROVIDED BY MUNICIPAL AUTHORITY AT THE COMPLETION OF THIS PROJECT.

### CONCRETE WASHDOWN PER DETAIL 1 ON SHEET C3.40

- WASHOUT OF THE CONCRETE DRUM IS PROHIBITED. FOLLOWING IS A PROCEDURE TO WASHDOWN TOOLS, CHUTE AND HOPPER:

  1. COORDINATE WITH SITE SUPERINTENDENT TO EXCAVATE A PIT DEEP ENOUGH TO CONTAIN WASHDOWN WATER.
- 2. BACK IN EQUIPMENT.
- 3. WASHDOWN ONLY THE CHUTE, HOPPER AND REAR OF THE VEHICLE. DO NOT WASH OUT THE DRUM.
- 4. MAKE SURE WASHDOWN WATER GOES INTO AND STAYS IN THE PIT.
- 5. COORDINATE WITH SITE SUPERINTENDENT TO FILL IN PIT AND SMOOTH OUT GROUND.

### OFFSITE VEHICLE TRACKING

A STABILIZED CONSTRUCTION EXIT HAS BEEN PROVIDED TO HELP REDUCE VEHICLE TRACKING OF SEDIMENT. SEE SHEET C2.11 FOR CONSTRUCTION EXIT LOCATION AND DETAILS. THE PAVED STREET ADJACENT TO THE SITE EXIT WILL BE INSPECTED DAILY FOR TRACKING OF MUD, DIRT, OR RACK. DUMP TRUCKS HAULING MATERIAL FROM THE CONSTRUCTION SITE WILL BE COVERED WITH A TARPAULIN.

### INVENTORY FOR POLLUTION PREVENTION PLAN

THE FOLLOWING MATERIALS ARE EXPECTED ONSITE DURING CONSTRUCTION: CONCRETE PRODUCTS, ASPHALT, PETROLEUM BASED FUELS AND LUBRICANTS FOR EQUIPMENT, TAR, METAL BUILDING MATERIALS, LUMBER, SHEET ROCK, FLOOR COVERINGS, ELECTRICAL WIRE AND FIXTURES, PAINTS/ STAINS/ FINISHING TREATMENTS, PAINTS, PAINT SOLVENTS, ADDITIVES FOR SOIL STABILIZATION, CLEANING SOLVENTS, PESTICIDES, FERTILIZERS, HERBICIDES, CRUSHED STONE, PLASTIC AND METAL PIPES.

# 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 SPILLS AND SPILLS FROM DISCHARGING INTO STORM WATER RUNOFF.

# GOOD HOUSEKEEPING

QUANTITIES OF PRODUCTS STORED ONSITE WILL BE LIMITED TO THE AMOUNT NEEDED FOR THE JOB.

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
- 5. THE CONTRACTOR WILL INSPECT SUCH MATERIALS TO ENSURE PROPER USE, STORAGE AND DISPOSAL.

# 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 OR SUCH EQUIPMENT. EQUIPMENT MAINTENANCE AREAS WILL BE LOCATED AWAY FROM STATE WATER, 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. EXCESS PRODUCT, MATERIALS USED WITH THESE PRODUCTS AND PRODUCT CONTAINERS WILL BE DISPOSED OF ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.

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

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

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

# SOIL CLEANUP AND CONTROL PRACTICES

- LOCAL, STATE AND MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED AND
- PROCEDURES WILL BE MADE AVAILABLE TO SITE PERSONNEL.

   MATERIAL AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE MATERIAL STORAGE AREAS. TYPICAL
- MATERIALS AND EQUIPMENT INCLUDES BUT IS NOT LIMITED TO BROOMS, DUSTPANS, MOPS, RAGS, GLOVES, GOGGLES, CAT LITTER, SAND, SAWDUST AND PROPERLY LABELED PLASTIC AND METAL WASTE CONTAINERS.
- SPILL PREVENTION PRACTICES AND PROCEDURES WILL BE REVIEWED AFTER A SPILL AND ADJUSTED AS NECESSARY TO PREVENT FUTURE SPILLS.
  ALL SPILLS WILL BE CLEANED UP IMMEDIATELY UPON DISCOVERY. ALL SPILLS WILL BE REPORTED AS REQUIRED BY LOCAL,
- STATE AND FEDERAL REGULATIONS.

   FOR SPILLS THAT IMPACT SURFACE WATER THE NATIONAL RESPONSE CENTER (NRC) WILL BE CONTACTED WITHIN 24 HOURS.
- FOR SPILLS THAT IMPACT SURFACE WATER, THE NATIONAL RESPONSE CENTER (NRC) WILL BE CONTACTED WITHIN 24 HOURS AT 1-800-424-8802

• FOR SPILLS LESS THAN 25 GALLONS AND NO SURFACE WATER IMPACTS THE SPILL WILL BE CLEANED UP AND LOCAL AGENCIES

• FOR SPILLS GREATER THAN 25 GALLONS AND NO SURFACE WATER IMPACTS, THE GEORGIA EPD WILL BE CONTACTED WITHIN 24

FOR SPILLS OF AN UNKNOWN AMOUNT, THE NATIONAL CENTER WILL BE CONTACTED WITH IN 24 HOURS.

WILL BE CONTACTED AS REQUIRED.

THE CONTRACTOR SHALL NOTIFY THE LICENSED PROFESSIONAL WHO PREPARED THIS PLAN IF MORE THAN 1320 GALLONS OF

THE CONTRACTOR SHALL NOTIFY THE LICENSED PROFESSIONAL WHO PREPARED THIS PLAN IF MORE THAN 1320 GALLONS OF PETROLEUM IS STORED ONSITE (THIS INCLUDES CAPACITIES OF EQUIPMENT) OR IF ANY ONE PIECE OF EQUIPMENT HAS A CAPACITY GREATER THAN 660 GALLONS. THE CONTRACTOR WILL NEED A SPILL PREVENTION CONTAINMENT AND COUNTERMEASURES PLAN PREPARED BY THAT LICENSED PROFESSIONAL.

# ON-SITE BUILDING MATERIALS

BUILDING MATERIALS AND BUILDING PRODUCTS WILL BE COVERED WITH PLASTIC SHEETING SECURED OVER THE MATERIALS OR PER MANUFACTURER'S RECOMMENDATION. ALL BUILDING MATERIALS, BUILDING PRODUCTS, CONSTRUCTION WASTE, TRASH, LANDSCAPE MATERIALS, FERTILIZERS, PESTICIDES, HERBICIDES, DETERGENTS, SANITARY WASTE, AND OTHER MATERIALS SHALL BE COVERED AND NOT IN DIRECT CONTACT WITH THE GROUND TO MINIMIZE EXPOSURE TO PRECIPITATION AND TO STORMWATER.

### INIODEOTIONIO

### PRIMARY PERMITTEE

- 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 ONCE EVERY 24 HOURS EXCEPT ANY NON-WORKING SATURDAY, NON-WORKING SUNDAY AND NON-WORKING FEDERAL HOLIDAY UNTIL A NOTICE OF TERMINATION IS SUBMITTED. MEASUREMENT OF RAINFALL MAY BE SUSPENDED IF ALL AREAS OF THE SITE HAVE UNDERGONE FINAL STABILIZATION OR ESTABLISHED A CROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET PERENNIALS APPROPRIATE FOR THE REGION.
- 3. CERTIFIED PERSONNEL (PROVIDED BY THE PRIMARY PERMITTEE) SHALL INSPECT THE FOLLOWING AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.5 INCHES RAINFALL OR GREATER (UNLESS SUCH STORM ENDS AFTER 5:00 PM ON ANY FRIDAY OR ON ANY NON-WORKING SATURDAY, NON-WORKING SUNDAY OR ANY NON-WORKING FEDERAL HOLIDAY IN WHICH CASE THE INSPECTION SHALL BE COMPLETED BY THE END OF THE NEXT BUSINESS DAY AND/OR WORKING DAY, WHICHEVER OCCURS FIRST): (A) DISTURBED AREAS OF THE PRIMARY PERMITTEE'S CONSTRUCTION SITE; (B) AREAS USED BY THE PRIMARY PERMITTEE FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION; AND (C) STRUCTURAL CONTROL MEASURES. EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN APPLICABLE TO THE PRIMARY PERMITTEE'S SITE SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. WHERE DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE, THEY SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATER(S). FOR AREAS OF A SITE THAT HAVE UNDERGONE FINAL STABILIZATION OR ESTABLISHED A CROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET PERENNIALS 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 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
- 6. A REPORT OF EACH INSPECTION THAT INCLUDES THE NAME(S) OF CERTIFIED PERSONNEL MAKING EACH INSPECTION, THE DATE(S) OF EACH INSPECTION, CONSTRUCTION PHASE (I.E. INITIAL, INTERMEDIATE OR FINAL), MAJOR OBSERVATIONS RELATING TO THE IMPLEMENTATION OF THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN, AND ACTIONS TAKEN IN ACCORDANCE WITH PART IV.D.4.A.(5). OF THE PERMIT SHALL BE MADE AND RETAINED AT THE SITE OR BE READILY AVAILABLE AT A DESIGNATED ALTERNATE LOCATION UNTIL THE ENTIRE SITE OR THAT PORTION OF A CONSTRUCTION PROJECT THAT HAS BEEN PHASED HAS UNDERGONE FINAL STABILIZATION AND A NOTICE OF TERMINATION IS SUBMITTED TO EPD. SUCH REPORTS SHALL BE READILY AVAILABLE BY THE END OF THE SECOND BUSINESS DAY AND/OR WORKING DAY AND SHALL IDENTIFY ALL INCIDENTS OF BEST MANAGEMENT PRACTICES THAT HAVE NOT BEEN PROPERLY INSTALLED AND/OR MAINTAINED AS DESCRIBED IN THE PLAN. WHERE THE REPORT DOES NOT IDENTIFY ANY INCIDENTS, THE INSPECTION REPORT SHALL CONTAIN A CERTIFICATION THAT THE BEST MANAGEMENT PRACTICES ARE IN COMPLIANCE WITH THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN. THE REPORT SHALL BE SIGNED IN ACCORDANCE WITH PART V.G.2. OF THIS PERMIT.

### MAINTENANCE & INSPECTION OF EROSION & SEDIMENT CONTROLS

### MAINTENANCE

THE FOLLOWING BEST MANAGEMENT PRACTICE MAINTENANCE CRITERIA ARE TAKEN FORM THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA", 2016 EDITION.

CONSTRUCTION EXITS SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 1.5-3.5 INCH STONE, AS CONDITIONS DEMAND, AND REPAIR AND/OR CLEANOUT OF ANY STRUCTURES TO TROP SEDIMENT. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES OR SITE ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY

DETENTION POND OUTLET STRUCTURES SHALL BE KEPT CLEAR OF TRASH AND DEBRIS. THIS WILL REQUIRE CONTINUOUS MONITORING AND MAINTENANCE, WHICH INCLUDES SEDIMENT REMOVAL WHEN ONE-THIRD OF THE SEDIMENT STORAGE CAPACITY HAS BEEN LOST.

SEDIMENT SHALL BE REMOVED FROM SILT FENCES ONCE IT HAS BEEN ACCUMULATED TO ONE-HALF THE ORIGINAL HEIGHT OF THE BARRIER. FILTER FABRIC SHALL BE REPLACES WHENEVER IT HAS DETERIORATED TO SUCH AN EXTENT THAT THE EFFECTIVENESS OF THE FABRIC IS REDUCED (APPROXIMATELY SIX MONTHS).

SEDIMENT SHALL BE REMOVED FROM TRAPS WHEN THE SEDIMENT HAS ACCUMULATED TO ONE-HALF THE HEIGHT OF THE TRAP. SEDIMENT SHALL BE REMOVED FROM CURB INLET PROTECTION IMMEDIATELY. FOR EXCAVATED INLET SEDIMENT TRAPS, SEDIMENT SHALL BE REMOVED WHEN ON-HALF OF THE SEDIMENT STORAGE CAPACITY HAS BEEN LOST TO SEDIMENT ACCUMULATION.

SEDIMENT SHALL NOT BE WASHED INTO THE INLET. IT SHALL BE REMOVED FROM THE SEDIMENT TRAP AND DISPOSED OF AND STABILIZED SO THAT IT WILL NOT INTER THE INLET

WHEN THE CONTRIBUTING DRAINAGE AREA HAS BEEN PERMANENTLY STABILIZED, ALL MATERIALS AND ANY SEDIMENT SHALL BE REMOVED AND EITHER SALVAGED OR DISPOSED OF PROPERLY. THE DISTURBED AREA SHALL BE BROUGHT TO PROPER GRADE, THEN SMOOTHED AND COMPACTED. APPROPRIATELY STABILIZE ALL DISTURBED AREAS AROUND THE INLET.

REPAIR ALL DAMAGES CAUSED TO TEMPORARY SEDIMENT BASINS BY SOIL EROSION OR CONSTRUCTION EQUIPMENT AT OR BEFORE THE END OF EACH WORKING DAY. SEDIMENT SHALL BE REMOVED FROM THE BASIN WHEN IT REACHES THE SPECIFIED DISTANCE BELOW THE TOP OF THE RISER. SEDIMENT SHALL NOT ENTER ADJACENT STREAMS OR DRAINAGE WAYS DURING SEDIMENT REMOVAL OR DISPOSAL. THE SEDIMENT SHALL NOT BE DEPOSITED DOWNSTREAM FROM THE EMBANKMENT ADJACENT TO A STREAM OR FLOODPLAIN.

INSPECT RIP RAP OUTLET STRUCTURES AFTER HEAVY RAINS TO SEE IF ANY EROSION AROUND OR BELOW THE RIP RAP HAS TAKEN PLACE OR IT STONES HAVE BEEN DISLODGED.

IMMEDIATELY MAKE ALL NEEDED REPAIRS TO PREVENT FURTHER DAMAGE.

ROUGHENED AREAS SHALL BE SEEDED AND MULCHED AS SOON AS POSSIBLE TO OBTAIN OPTIMUM SEED GERMINATION AND SEEDING GROWTH.

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 AN AREA WILL REMAIN UNDISTURBED FOR GREATER THAN SIX MONTHS, PERMANENT VEGETATIVE TECHNIQUES SHALL BE EMPLOYED.

PERMANENT VEGETATION SHALL BE APPLIED IMMEDIATELY TO ROUGH GRADED AREAS THAT WILL BE UNDISTURBED FOR LONGER THAN SIX MONTHS. THIS PRACTICE 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, AT LEAST 70% OF THE SOIL SURFACE IS UNIFORMLY COVERED IN PERMANENT VEGETATION OR EQUIVALENT PERMANENT STABILIZATION MEASURES HAVE BEEN EMPLOYED. PERMANENT VEGETATION SHALL CONSIST OF: PLANTED TREES, SHRUBS, PERENNIAL VINES, A CROP OF PERENNIAL VEGETATION APPROPRIATE FOR THE REGIONS, SUCH THAT WITHIN THE GROWING SEASON 70% COVERAGE BY PERENNIAL VEGETATION SHALL BE ACHIEVED. FINAL STABILIZATION APPLIES TO EACH PHASE OF CONSTRUCTION. 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.

DESIGN SPACES FOR LIFE

HIS DRAWING AND THE DESIGN SHOWN IS THE PROPERTY OF HE ARCHITECT. REPRODUCTION, COPYING, OR USE OF THIS RAWING WITHOUT THEIR WRITTEN CONSENT IS PROHIBITED, ND ANY INFRINCEMENT IS SUBJECT TO LEGAL ACTION.



S

ANDLER TRAIL
DEVELOPMENT PLAN

UBMITTALS / REVISIONS
O. DATE DESCRIPTION

MURPH

HEET TITLE

PERMIT DRAWINGS

**ESPC NOTES** 

ASATO MASUYAMA, CERTIFIED DESIGN PROFESSIONAL

PRIMARY PERMITTEE / OWNER CONTACT
BRIAN BORDEN
CITY OF BROOKHAVEN

DESIGNER GSWCC LEVEL II

I CERTIFY UNDER PENALTY OF LAW THAT THIS PLAN

DESCRIBED HEREIN BY MYSELF OR MY AUTHORIZED

AGENT UNDER MY DIRECT SUPERVISION.

CERTIFICATION NUMBER.

ISSUED: 10/01/2021

WAS PREPARED AFTER A SITE VISIT TO THE LOCATIONS

GSWCC GEORGIA SOIL AND WATER CONSERVATION COMMISSION

Asato Masuyama

Level II Certified Design Professional

EXPIRES: 10/01/2024

BROOKHAVEN, GA 30319
PHONE: 404.637.0562

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BRIAN.BORDEN@BROOKHAVENGA.GOV

3360 OSBORNE RD

PROJECT NO. 21031 DATE 07/01/2022

DRAWN BY SCALE N.T.S.

CHECKED BY SHEET NO.

# **SURVEY NOTES**

A TRIMBLE "S" SERIES TOTAL STATION WAS USED TO OBTAIN ANGULAR MEASUREMENTS

A TRIMBLE R-10 DUAL FREQUENCY GPS UNIT WAS USED FOR ESTABLISHING CONTROL. A NETWORK ADJUSTED RTK SURVEY WAS PERFORMED AND ADJUSTED BY RELATIVE POSITIONAL ACCURACY.

FRACT 1 HAS BEEN CALCULATED FOR CLOSURE AND IS ACCURATE

ADJUSTED USING THE COMPASS RULE.

FRACT 2 HAS BEEN CALCULATED FOR CLOSURE AND IS ACCURATE

THE FIELD DATA UPON WHICH THIS SURVEY IS BASED HAD A CLOSURE OF ONE FOOT IN 31,741 FEET AND AN ANGULAR ERROR OF 1" PER ANGLE POINT AND WAS

THE BEARINGS SHOWN ON THIS SURVEY ARE COMPUTED ANGLES BASED ON A GRID BEARING BASE (GA WEST ZONE) NAD83.

ALL HORIZONTAL DISTANCES SHOWN ARE GROUND DISTANCES. MEASURING UNITS

CONTOURS ARE SHOWN AT ONE FOOT INTERVALS. ELEVATIONS ARE BASED ON RTK GLOBAL POSITIONING SYSTEMS OBSERVATION AND ARE RELATIVE TO NAVD 88 DATUM.

FIELD WORK FOR THIS PROPERTY WAS COMPLETED ON AUGUST 17, 2016

INFORMATION REGARDING SIZE, LOCATION, AND SPECIES OF EXISTING TREES IS SHOWN HEREON. THERE IS NO CERTAINTY OF THE SIZE AND SPECIES OF THE SAID FREES WITHOUT VERIFICATION FROM THE DESIGNATED ARBORIST BY THE LOCAL REGULATORY AUTHORITY. 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 EXCEPT BY APPROVAL OF

THIS SURVEY MAY NOT REPRESENT OFFSITE PAINT STRIPING TO THE ACCURACY REQUIRED FOR LANE DESIGN. TERRAMARK LOCATES THE EDGE OF PAVING AND CRITICAL POINTS TO REFLECT ACCURATE TOPOGRAPHIC DATA ONLY. ACCURACY OF PAINT LOCATIONS SHOULD BE VERIFIED WITH SURVEYOR PRIOR TO USING THIS

INFORMATION REGARDING THE REPUTED PRESENCE, SIZE, CHARACTER, AND OCATION OF EXISTING UNDERGROUND UTILITIES AND STRUCTURES IS SHOWN HEREON. THERE IS NO CERTAINTY TO THE ACCURACY OF THIS INFORMATION AND T SHALL BE CONSIDERED IN THAT LIGHT BY THOSE USING THIS DRAWING. SHOWN HEREON MAY BE INACCURATE AND UTILITIES AND STRUCTURES NOT SHOWN MAY BE ENCOUNTERED. 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 REGARDING STORM SEWER AND SANITARY SEWER AS SHOWN HEREON, IS BASED ON OBSERVATIONS TAKEN BY TERRAMARK EMPLOYEES AT FHE GROUND ELEVATION OF THE EXISTING STRUCTURE. TERRAMARK EMPLOYEES ARE NOT AUTHORIZED TO ENTER A CONFINED SPACE SUCH AS A STRUCTURE. THEREFORE, THERE IS NO CERTAINTY OF THE PIPE SIZES AND PIPE MATERIAL THAT ARE SHOWN ON THIS SURVEY. EXCAVATION BY A CERTIFIED CONTRACTOR IS THE ONLY WAY TO VERIFY PIPE SIZE AND MATERIAL. THE OWNER, HIS EMPLOYEES, HIS CONSULTANTS, HIS CONTRACTORS, AND/OR HIS AGENTS SHALL HEREBY DISTINCTL' JNDERSTAND THAT THE SURVEYOR IS NOT RESPONSIBLE FOR THE CORRECTNESS OR SUFFICIENCY OF THE PIPE INFORMATION SHOWN HEREON.

STATE WATERS AND BUFFERS AS SHOWN OR NOT SHOWN HEREON ARE SUBJECT TO REVIEW BY LOCAL JURISDICTION OFFICIALS. IT IS THE RESPONSIBILITY OF THE LOCAI AUTHORITY TO DETERMINE SPECIFIC WATER CLASSIFICATION. THEREFORE ERRAMARK LAND SURVEYING ACCEPTS NO RESPONSIBILITY IN THE IDENTIFICATION OF SAID WATERS OR BUFFERS IDENTIFIED OR NOT IDENTIFIED HEREON.

PROPERTY IS SUBJECT TO RIGHTS OF UPPER AND LOWER RIPARIAN OWNERS IN AND TO THE WATER OF CREEKS AND BRANCHES CROSSING OR ADJOINING SUBJECT PROPERTY AND THE NATURAL FLOW THEREOF, FREE FROM DIMINUTION

THIS SURVEY WAS PREPARED FOR THE EXCLUSIVE USE OF THE PERSON, PERSONS OR ENTITY NAMED HEREON. THIS SURVEY DOES NOT EXTEND TO ANY UNNAMED PERSON, PERSONS OR ENTITY WITHOUT THE EXPRESS CERTIFICATION BY THE SURVEYOR NAMING SAID PERSON, PERSONS OR ENTITY

FERRAMARK LAND SURVEYING, INC. DOES NOT WARRANT THE EXISTENCE OR NON -EXISTENCE OF ANY WETLANDS OR HAZARDOUS WASTE IN THE SURVEY

# SITE INFORMATION

REFERENCE MATERIAL

1. PLAT FOR CANDLER LAKE ESTATES, UNIT ONE

3. PLAT FOR CANDLER LAKE VIEW SUBDIVISION

AMONG THE LAND RECORDS OF DEKALB COUNTY

RECORDED IN PB. 45 PG. 14

2. PLAT FOR ASHWOODY SUBDIVISION RECORDED IN PB. 45 PG. 35 AFORESAID RECORDS

CURRENT OWNER: CITY OF BROOKHAVEN

TAX PARCEL ID # 18 331 01 005 & 18 326 01 041 ADDRESS: 1551 WEST NANCY CREEK DRIVE ZONING: R-100 (MULTI FAMILY RESIDENTIAL JURISDICTION: CITY OF BROOKHAVEN

SETBACKS:FRONT 35' SIDE 20' (ULESS ADJOINER IS ANY R LOT THEN 50') REAR 40' (ULESS ADJOINER IS ANY R LOT THEN 50') PARKING COUNT:

DB. 24965 PG. 50

REGULAR PARKING - 228 HANDICAPPED PARKING -TOTAL PARKING COUNT - 233

# **AREA TABLE**

3.630.024 SQ.FT. OR 83.3339 AC. 1,602,679 SQ.FT. OR 36.7924 AC.

TOTAL AREA 5,232,703 SQ.FT. OR 120.1263 AC.

# TITLE NOTES

ACCORDING TO THE "FIRM" (FLOOD INSURANCE RATE MAP) OF DEKALB COUNTY, GEORGIA (PANEL NUMBERS 13089C0012J & 13089C0014J), DATED MAY 16, 2013; A PORTION ÒF THIS PROPERTY LIES WITHIN A SPECIAL FLÓOD HAZARD AREA.

THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT, WHICH COULD REVEAL ENCUMBRANCES NOT SHOWN ON THIS SURVEY. SUBJECT PROPERTY HAS ACCESS TO THE PUBLIC RIGHT OF WAY OF

WEST NANCY CREEK DRIVE, CANDLER LAKE WEST & CANDLER LAKE EAST.

# TRACT 1 PROPERTY DESCRIPTION

eing a tract or parcel of land lying and being in Land Lots 326 & 331, 18th District, DeKalb County Georgia and being more particularly described as follows:

o find the Point of Beginning, commence at a ½ rebar capped rebar set representing the intersection of the extension of right of lines of the West Right of Way Line of Candler Lake Circle East (having an apparent 60 feet wide right of way) and the North Right of Way Line of West Nancy Creek Drive (having an apparent 100 feet wide right of way), said right of way lines being shown on a plat of subdivision entitled "Candler Lake Estates, Unit One" and recorded among the Land Records of DeKalb County, Georgia in Plat Book 45, Page 14; thence, leaving the said point and running, 26.38 feet along the arc of a curve deflecting to the right, having a radius of 506.58 feet and a chord bearing and distance of South 47° 01' 01" West, 26.37 feet to a ½ inch capped rebar set at the True Point of Beginning of the herein described tract or parcel of land; thence aving the said Point of Beginning and running with the said line of West Nancy Creek Drive

- 380.40 feet along the arc of a curve deflecting to the right, having a radius of 506.58 feet and a chord bearing and distance of South 70° 01' 15" West, 371.53 feet to a ½ inch capped rebar set; thence,
- North 88° 28' 01" West, 1,159.48 feet to a ½ inch capped rebar set; thence, 146.06 feet along the arc of a curve deflecting to the left, having a radius of 622.95 feet and a chord bearing and distance of South 84° 48' 59" West, 145.72 feet to a ½ inch capped rebar set at the intersection of aforesaid West Nancy Creek Drive and the East Right of Way Line of Candler Lake Circle West (having an apparent variable width right of way);
- thence, running with the said line of Candler Lake Circle West 212.67 feet along the arc of a curve deflecting to the right, having a radius of 773.40 feet and a chord bearing and distance of North 01° 17' 06" East, 212.00 feet to a ½ inch capped North 09° 09' 45" East, 20.00 feet to a 1/2 inch capped rebar set; thence,
- North 24° 06' 45" East, 46.16 feet to a ½ inch capped rebar set; thence, 408.95 feet along the arc of a curve deflecting to the left, having a radius of 539.87 feet and a chord bearing and distance of North 13° 35' 58" West, 399.24 feet; thence, North 35° 18' 01" West, 29.88 feet; thence,
- 435.41 feet along the arc of a curve deflecting to the right, having a radius of 686.20 feet and a chord bearing and distance of North 17° 07' 22" West, 428.14 feet; thence, 523.78 feet along the arc of a curve deflecting to the left, having a radius of 1,794.83 feet
- and a chord bearing and distance of North 07° 18' 19" West, 521.93 feet; thence, North 15° 39' 56" West, 1,182.85 feet to a ½ inch capped rebar set; thence, leaving the said line of Candler Lake Circle West and running with the South Right of Way Line of an undeveloped City Street (having an apparent 60 feet right of way) as shown on a plat of subdivision entitled "Ashwoody" and recorded among the aforesaid Land Records in Plat
- 215.29 feet along the arc of a curve deflecting to the right, having a radius of 162.68 feet and a chord bearing and distance of North 40° 25' 23" East, 199.92 feet; thence,
- North 78° 06' 13" East, 98.19 feet; thence, 109.79 feet along the arc of a curve deflecting to the right, having a radius of 170.80 feet and a chord bearing and distance of South 76° 39' 12" East, 107.91 feet; thence, South 58° 15' 31" East, 39.59 feet; thence,
- 171.51 feet along the arc of a curve deflecting to the right, having a radius of 855.80 feet and a chord bearing and distance of South 52° 34' 06" East, 171.23 feet; thence, South 46° 48' 38" East, 109.64 feet; thence, 150.99 feet along the arc of a curve deflecting to the right, having a radius of 1,060.00 feet

and a chord bearing and distance of South 42° 42' 47" East. 150.86 feet: thence

- South 38° 37' 57" East, 185.42 feet to a ½ inch capped rebar set; thence, South 27° 52' 26" East. 267.98 feet: thence. 134.69 feet along the arc of a curve deflecting to the right, having a radius of 3,888.00 feet and a chord bearing and distance of South 26° 52' 53" East, 134.68 feet to a ½ capped
- South 25° 53' 21" East, 89.96 feet to a ½ inch capped rebar set on the developed West Right of Way Line of Candler Lake Circle East (having an apparent 60 feet wide right of way) as shown on a plat of subdivision entitled "Candler Lake View" and recorded among the aforesaid Land Records in Plat Book 58, Page 161; thence, running with the said line of Candler Lake Circle East
- 87.43 feet along the arc of a curve deflecting to the right, having a radius of 476.00 feet and a chord bearing and distance of South 21° 03' 58" East, 87.31 feet; thence, South 17° 19' 19" East, 233.10 feet; thence, 576.41 feet along the arc of a curve deflecting to the left, having a radius of 750.28 feet and a chord bearing and distance of South 39° 19' 51" East, 562.34 feet; thence,
- South 61° 20' 23" East. 277.04 feet: thence. 372.07 feet along the arc of a curve deflecting to the left, having a radius of 709.22 feet and a chord bearing and distance of South 76° 22' 09" East, 367.82 feet, thence,
- North 88° 36' 05" East, 106.79 feet, thence, 428.21 feet along the arc of a curve deflecting to the right, having a radius of 186.47 feet and a chord bearing and distance of South 25° 36' 38" East, 340.13 feet, thence, South 40° 10' 39" West, 291.39 feet, thence, 397.43 feet along the arc of a curve deflecting to the left, having a radius of 312.01 feet and
- a chord bearing and distance of South 03° 41' 11" West, 371.10 feet to a ½ inch capped South 32° 48' 16" East, 104.23 feet to a 1/2 inch capped rebar set; thence South 33° 54' 42" East, 127.33 feet to a 1/2 inch capped rebar set; thence, 43.16 feet along the arc of a curve deflecting to the right, having a radius of 30.00 feet and a chord bearing and distance of South 07° 17' 54" West, 39.53 feet to the Point of

Beginning, containing 3,630,024 square feet or 83.3339 acres of land, more or less.

PHOTO #

perty is subject to all easements and rights of way recorded and unrecorded.

# **BOUNDARY AND TOPOGRAPHIC SURVEY** FOR THE CITY OF BROOKHAVEN

(MURPHEY CANDLER PARK)

LOCATED IN LAND LOTS 326, 327 & 331, 18TH DISTRICT DEKALB COUNTY, GEORGIA

SITE MAP







**PHOTO #3** 



# TRACT 2 PROPERTY DESCRIPTION

Being a tract or parcel of land lying and being in Land Lots 326 & 327, 18th District, DeKalb County Georgia and being more particularly described as follows:

To find the Point of Beginning, commence at a ½ rebar capped rebar set representing the intersection of the extension of right of lines of the West Right of Way Line of Candler Lake Circle East (having an apparent 60 feet wide right of way) and the North Right of Way Line of West Nancy Creek Drive (having an apparent 100 feet wide right of way), said right of way lines being shown on a plat of subdivision entitled "Candler Lake Estates, Unit One" and recorded among the Land Records of DeKalb County, Georgia in Plat Book 45, Page 14; thence, leaving the said point and running, 26.38 feet along the arc of a curve deflecting to the right, having a radius of 506.58 feet and a chord bearing and distance of South 47° 01' 01" West, 26.37 feet to a ½ inch capped rebar set; thence, running with the said line of West Nancy Creek Drive, 380.40 feet along the arc of a curve deflecting to the right, having a radius of 506.58 feet and a chord bearing and distance of South 70° 01' 15" West, 371.53 feet to a ½ inch capped rebar set; thence, leaving said line of West Nancy Creek Drive and running across West Nancy Creek Drive, South 01° 31' 59" West, 100.00 feet to a ½ inch capped rebar set on the South Right of Way Line of said West Nancy Creek Drive, said point being the True Point of Beginning of the herein described tract or parcel of land; thence leaving the said Point of Beginning and the said line of West Nancy Creek Drive and

running with Lots 1 & 2 of said Candler Lake Estates South 07° 53' 34" East, 251.24 feet to a  $\frac{1}{2}$  inch rebar found; thence, South 63° 13' 35" East, 114.76 feet to a  $\frac{1}{2}$  inch rebar found; thence, South 63° 13' 35" East, 90.56 feet to the centerline of Nancy Creek; thence, running with South 16° 56' 36" West, 42.41 feet, thence, South 18° 32' 17" West, 29.82 feet; thence South 20° 58' 38" West, 36.64 feet; thence, South 04° 30' 15" West, 35.95 feet; thence, South 22° 41' 01" West, 38.11 feet, thence, South 21° 49' 30" West, 30.95 feet, thence, South 24° 10' 56" West, 68.61 feet, thence, South 17° 16' 24" West, 60.36 feet, thence South 04° 30' 25" West, 31.46 feet, thence South 16° 16' 46" West, 80,59 feet, thence South 49° 29' 49" West, 79.16 feet; thence North 52° 54' 36" West, 59.22 feet; thence. North 54° 46' 17" West, 47 01 feet, thence, North 74° 14' 36" West, 39.71 feet, thence, South 64° 54' 47" West, 80.80 feet, thence South 66° 18' 02" West, 69.42 feet, thence, South 43° 02' 26" West, 79.95 feet, thence North 84° 06' 37" West, 49.03 feet, thence North 68° 19' 45" West, 70.37 feet, thence

North 47° 28' 51" West, 29.90 feet, thence, North 71° 25' 28" West, 40.08 feet, thence North 87° 08' 50" West, 35.40 feet; thence North 85° 17' 50" West, 29.34 feet; thence South 52° 09' 46" West, 50.88 feet, thence South 65° 43' 09" West, 55.32 feet, thence, South 59° 20' 03" West, 103.25 feet, thence, North 39° 36' 17" West, 33.84 feet, thence, North 64° 31' 24" West, 12 26 feet; thence North 44° 39' 48" West, 60.27 feet; thence North 63° 17' 35" West, 65.38 feet, thence North 63° 40' 39" West, 28.35 feet, thence North 67° 33' 36" West, 67.19 feet; thence,

South 85° 21' 00" West, 42 42 feet, thence

North 89° 46' 50" West, 32.85 feet; thence South 84° 04' 20" West, 25.14 feet, thence, North 76° 17' 54" West, 19.75 feet to the intersection with the West Line of Lot 5, Block B as shown on a Final Plat entitled "Ashford Glen, Unit IV" and recorded among the aforesaid Land Records in Plat Book 84, Page 29, thence,

North 76° 17' 58" West, 19.37 feet; thence, leaving the aforesaid centerline of Nancy Creek and running through Lots 6 & 7, Block B of said Ashford Glen, Unit IV South 12° 16' 26" West, 71.01 feet to a ½ inch capped rebar set; thence, 80.04 feet along the arc of a curve deflecting to the right, having a radius of 65.00 feet and a chord bearing and distance of South 47° 33' 06" West, 75.08 feet; thence,

South 83° 52' 52" West, 43,47 feet to a ½ inch rebar found; thence, South 82° 43' 05" West, 223.17 feet to a ½ inch rebar found; thence, South 47° 02' 10" West, 199.78 feet to a 1/2 inch rebar found; thence, running with the West South 04° 11' 57" East, 218.65 feet to a ½ inch rebar found at the Northwest Corner of Lot 8 of said Ashford Glen, Unit IV; thence, running with the West Line of Lot 8 South 04° 16' 01" East, 121.17 feet to an axle found at the rear angle point of Lot 14, Block

A of a subdivision entitled "Fox Glen" and recorded among the aforesaid Land Records in Plat Book 46, Page 87; thence, running with northwesterly lines of the said Fox Glen South 59° 14' 40" West, 139.41 feet to a 1/2 inch rebar found at the common corner of Lot 14 and Lot 15, thence, continuing South 59° 43' 56" West, 226.46 feet to a 1/2 inch rebar found (disturbed); thence, running with the property now or formerly owned by the Ashford Lake Condominium Association

and as shown on a Condominium Plat recorded among the aforesaid Land Records in Condo Plat 6. Page 9 North 21° 20' 40" West, 531.83 feet to the centerline of Nancy Creek; thence, running with the said centerline of Nancy Creek North 71° 54' 28" East, 7.91 feet, thence

North 66° 19' 18" East, 82.67 feet, thence North 64° 36' 33" East, 53.19 feet; thence North 75° 47' 51" East, 43.73 feet, thence North 62° 37' 43" East, 37.34 feet, thence, North 57° 08' 00" East, 40.21 feet, thence, North 37° 54' 19" East, 43.48 feet, thence, North 17° 22' 00" East, 38.67 feet, thence, North 41° 58' 49" East, 36.15 feet; thence North 49° 59' 23" East, 71.28 feet; thence, North 69° 07' 51" East, 58.11 feet; thence, North 70° 12' 41" East, 44.21 feet; thence, North 75° 17' 14" East, 36.76 feet, thence, South 81° 48' 34" East, 46.21 feet, thence, South 88° 02' 59" East, 75.21 feet, thence, North 71° 58' 41" East, 16.97 feet; thence, North 88° 16' 49" East, 17.50 feet; thence,

North 78° 06' 07" East, 39.74 feet; thence, North 79° 38' 04" East, 19.32 feet; thence, North 67° 27' 55" East, 52.14 feet; thence, leaving the centerline of Nancy Creek and running with the property now or formerly owned by the Ashford Place Condominium ciation as described in a deed recorded among the aforesaid Land Records in Deed

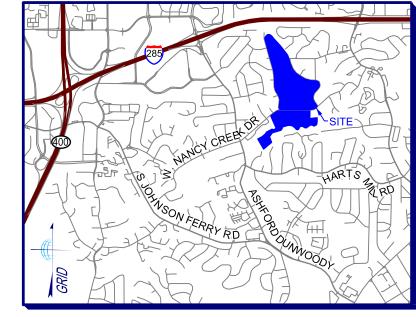
North 25° 16' 40" West, 37.04 feet; thence, North 25° 16' 40" West, 525.00 feet to a 1/2 inch rebar found on the aforesaid South Line of West Nancy Creek Drive; thence, running with the said line of West Nancy Creek Drive North 49° 33' 44" East, 170.98 feet; thence,

382.39 feet along the arc of a curve deflecting to the right, having a radius of 522.95 feet and a chord bearing and distance of North 70° 35' 08" East, 373.93 feet to a 1/2 inch capped South 88° 28' 01" East, 1,159.48 feet to the Point of Beginning, containing 1,602,679

square feet or 36.7924 acres of land, more or less. Property is subject to all easements and rights of way recorded and unrecorded.

> PICTURE LOCATION AND DIRECTION





# **LOCATION MAP**

LAT - 33°54'34.29"N LONG - 84°19'34.42"W

# **BENCHMARK 1 BENCHMARK 2 DETAIL DETAIL**





# **UTILITY NOTES**

THE UNDERGROUND UTILITIES SHOWN HEREON ARE BASED ON LOCATION OF MARKINGS PROVIDED BY:

JTILISURVEY LLC 154 GRANT ROAD FAYETTEVILLE, GA. 30215 PHONE: 404-312-6912 ATTENTION: HANS WONNEBERGER

THE UNDERGROUND UTILITIES (EXCEPT THE LOCATION OF EXISTING DRAINAGE, SEWER, AND IRRIGATION UTILITIES AS WELL AS UNDERGROUND STORAGE TANKS) WERE LOCATED BY UTILISURVEY, LLC. UTILIZING RADIO FREQUENCY TECHNIQUE AND IN ACCORDANCE TO LEVEL "B" UTILITY LOCATION CRITERIA. THIS TECHNIQUE CAPABLE OF LOCATING METALLIC UTILITIES AND TRACER WIRES ANY NON- METALLIC UTILITIES (WITHOUT TRACER WIRE) ARE NOT LOCATED.

THE SURVEYOR MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA. FITHER IN-SERVICE OR ABANDONED, UNDERGROUND UTILITIES NOT OBSERVED OR LOCATED UTILIZING THIS FECHNIQUE MAY EXIST ON THIS SITE BUT ARE NOT SHOWN, AND MAY BE FOUND UPON EXCAVATION. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH THE SURVEYOR DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE.

NFORMATION REGARDING MATERIAL AND SIZE OF UTILITIES IS BASED ON RECORDS ACQUIRED FROM THE UTILITY OWNERS.

# **UTILITY PROVIDERS**

ATLANTA GAS LIGHT COMPANY AGL 10 PEACHTREE STREET NE ATLANTA, GA 30309 MARTIN MAREK (404) 584-4126

GEORGIA POWER COMPANY 823 JEFFERSON STREET ATLANTA, GA 30318 (404) 506-4569 **İKE ĆOLLINS** 

(770) 724-1490

WATER DEKALB COUNTY WATER AND SEWER DEPARTMEN 1580 ROADHAVEN DR. STONE MOUNTAIN, GA. 30083 **JEFF WOODS** 

JDWOODS@DEKALBCOUNTYGA.GOV

COMCAST (770) 559-6879 SANDRA ANDREWS LEVEL 3 COMMUNICATIONS, INC 1025 ELDORADO BOULEVARD BROOMFIELD, CO 80021 (877) 366-8344 EXT. 3

COMMUNICATION

208 S. AKARD ST.

(210) 821-4105

(770) 784-3972

ÀNGELO HINES

DALLAS, TX 75202

VERIZON / MCI 2400 N GLENVILLE RICHARDSON, TX 75082 DENNIS RAINEY **CENTURYLINK** 100 CENTURYLINK DRIVE

MONROE, LA 71203

(888) 723-8010

**ZAYO FIBER SOLUTIONS** 400 CENTENNIAL PKWY, SUITE 200 LOUSVILL, CO 80027 (678) 666-2493 NIC FLORES

# SURVEYOR'S CERTIFICATE

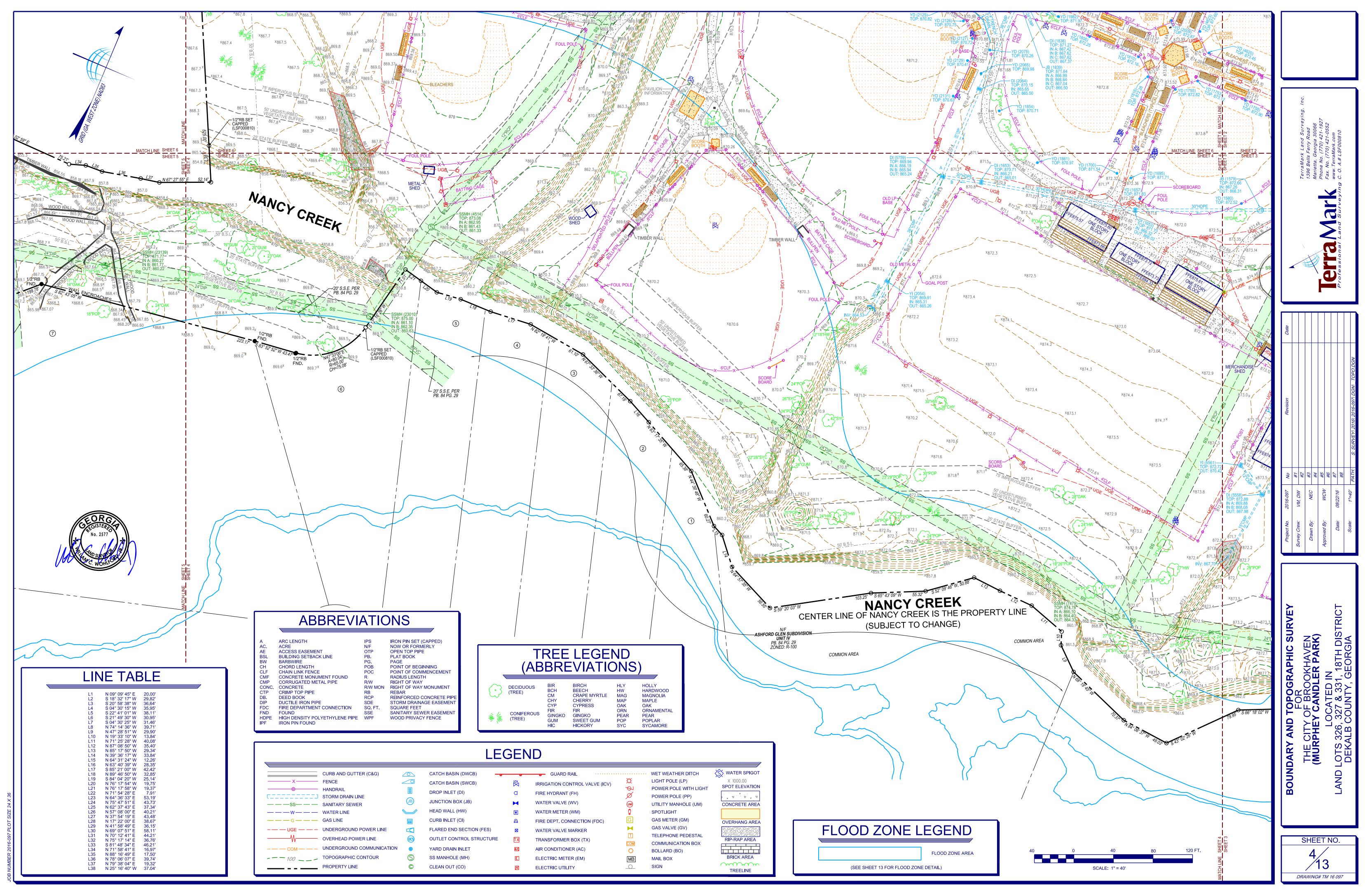
THIS SURVEY WAS PREPARED IN CONFORMITY WITH THE TECHNICAL STANDARDS FOR PROPERTY SURVEYS IN GEORGIA AS SET FORTH IN CHAPTER 180-7 OF THE RULES OF GEORGIA BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND LAND URVEYORS AND AS SET FORTH IN THE GEORGIA SURVEY ACT O.C.G.A 15-6-6 AUTHORITY O.C.G.A. SECS. 15-6-67, 43-15-4, 43-15-6, 43-15-19, 43-15-

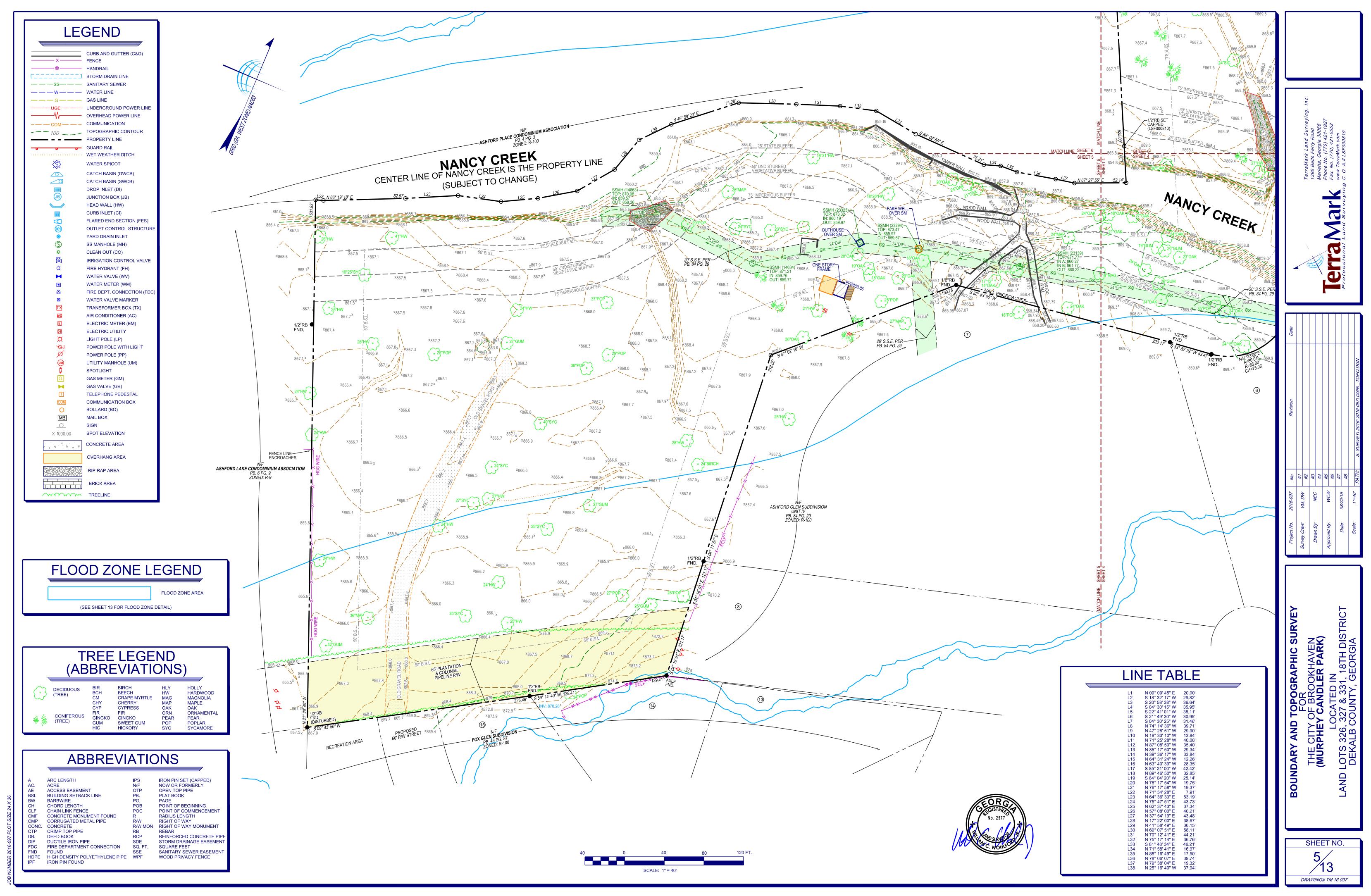
WILLIAM C. WOHLFORD, JR., R **REGISTERED NUMBER: 2577** 

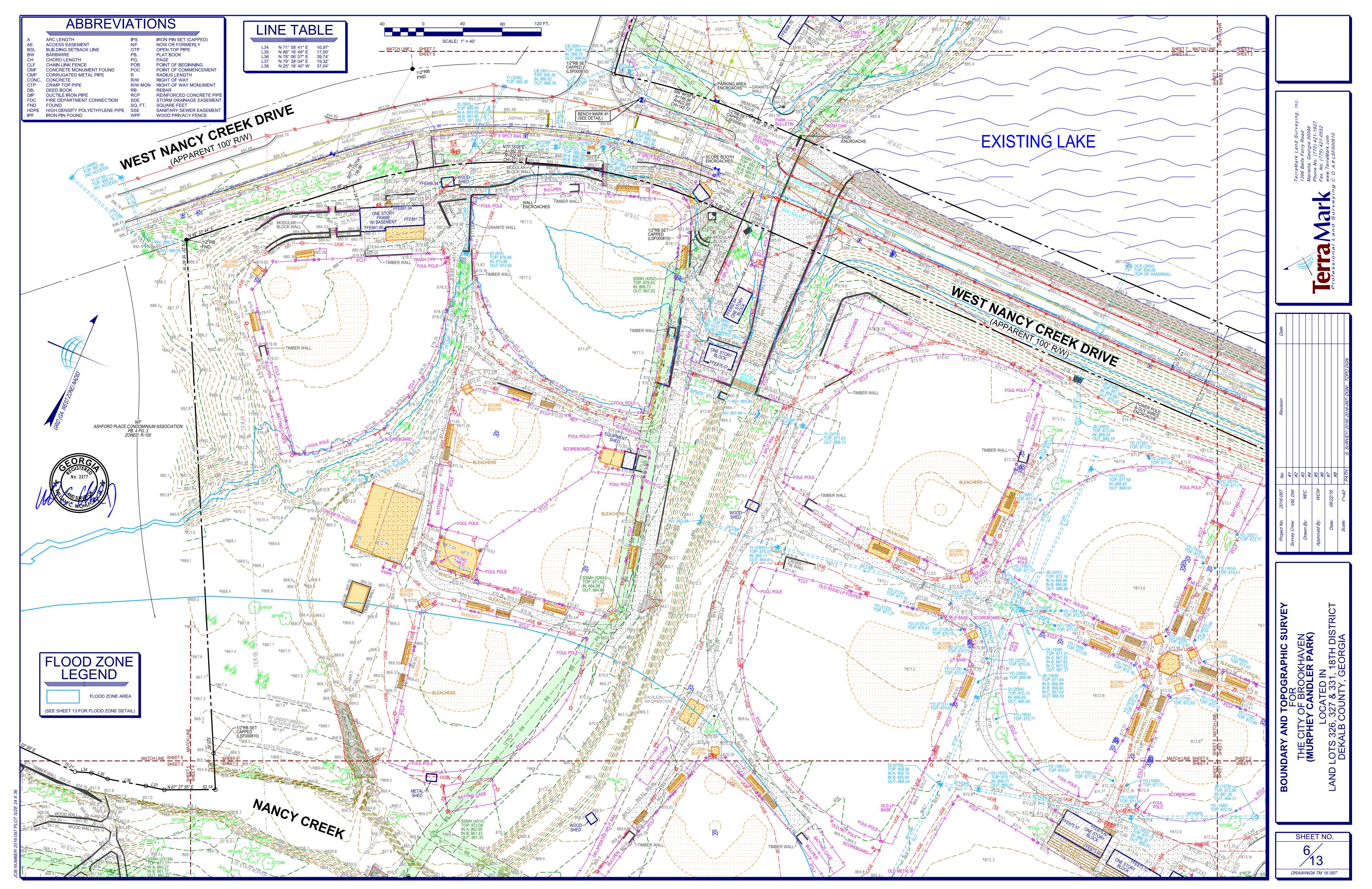
SHEET NO. **DRAWING# TM 16 097** 

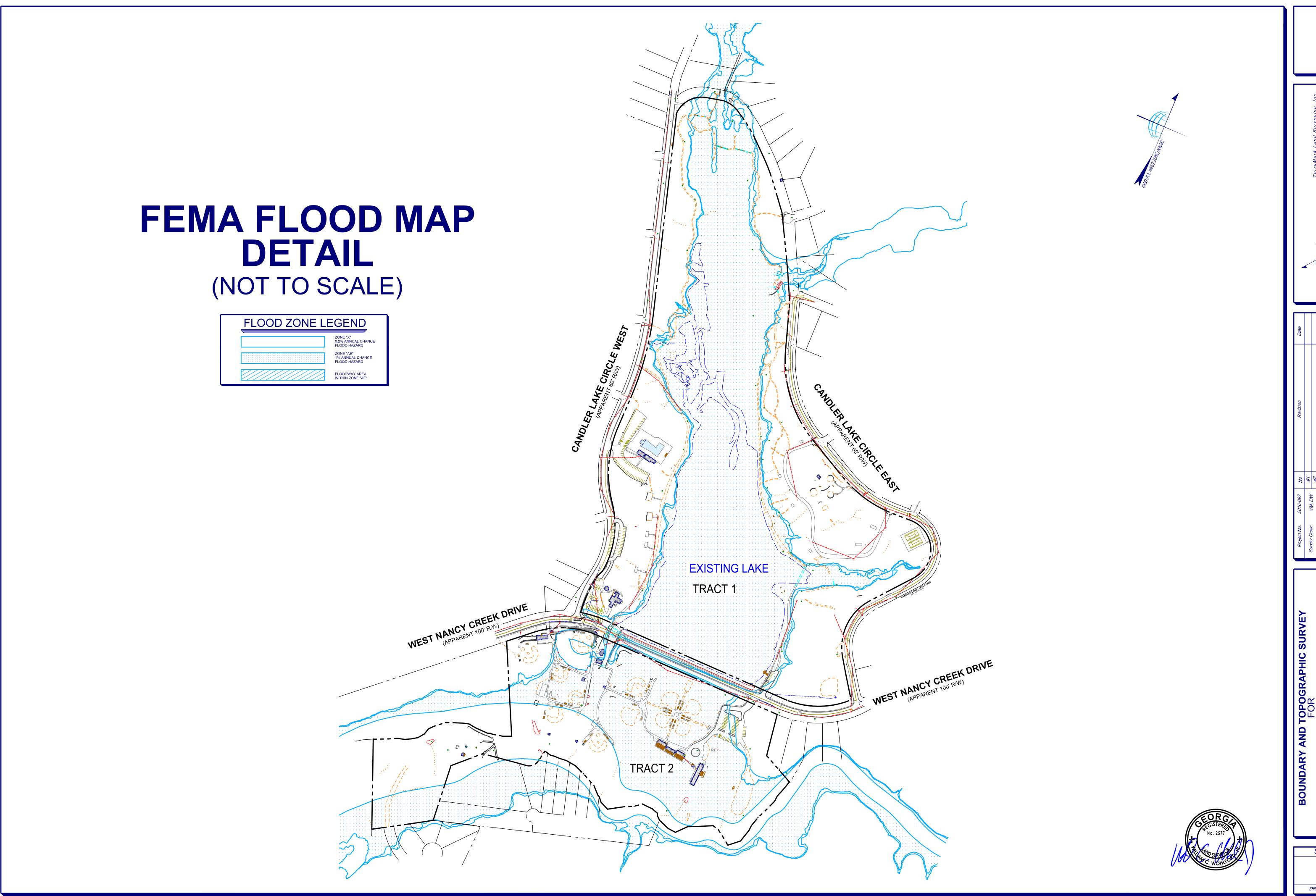
HAVE PAR

RECORDED IN PB. 58 PG. 161 AFORESAID RECORDS 4. FINAL PLAT FOR ASHFORD GLEN, UNIT 4 RECORDED IN PB. 84 PG. 29 AFORESAID RECORDS 5. PLAT FOR FOX GLEN SUBDIVISION RECORDED IN PB. 46 PG. 87 AFORESAID RECORDS 6. CONDOMINIUM PLAT FOR ASHFORD LAKE CONDOMINIUM ASSOCIATION RECORDED IN PB. 6 PG. 9 AFORESAID RECORDS 7. DEED FOR ASHFORD PLACE CONDOMINIUM ASSOCIATION AFORESAID RECORDS











Project No.	Project No. 2016-097	No	Revision	Date
Survey Crew.	1/4/10/14/	1#		
carrey crew.	VIVI, DVV	#2		
Drawn Bv.	NEC	£#		
DIAMII DY.	0	7#		
Approved By:	IN/CIN/	2#		
Apployed by.	11011	9#		
.040.	31/00/00	2#		
Dale.		8#		
Scale:	4"-40'			
Coarc.	7 -40	PATH:	S: SURVEYI 2016  2016-097  DGN _TOPO.DGN	

UNDARY AND TOPOGRAPHIC SURVEY
FOR
THE CITY OF BROOKHAVEN
(MURPHEY CANDLER PARK)
LOCATED IN
ND LOTS 326, 327 & 331, 18TH DISTRICT



FROM LACK OF VERIFICATION WILL BE AT CONTRACTOR'S SOLE EXPENSE. 2. THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR THE DAMAGE OR LOSS OF ANY

REFERENCE POINTS AND HUBS DURING THE CONSTRUCTION OF HIS/HER WORK, AND

- SHALL BEAR THE COST OF REPLACING SAME. 3. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS, SPECIFICATIONS AND THE REQUIREMENTS AND STANDARDS OF THE LOCAL GOVERNING AUTHORITY. THE SOILS REPORT AND RECOMMENDATIONS SET FORTH THEREIN ARE A PART OF THE REQUIRED CONSTRUCTION DOCUMENTS AND TAKE PRECEDENCE UNLESS SPECIFICALLY NOTED OTHERWISE ON THE PLANS. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION/PROJECT MANAGER OF ANY DISCREPANCY BETWEEN SOILS REPORT AND
- 4. CARE SHALL BE TAKEN TO PROTECT ANY UTILITIES, TREES, ETC. WHICH ARE TO REMAIN AND NOT TO BE DISTURBED BY THE CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGES TO SUCH PROPERTY
- 5. THE SITE SURVEY SHALL BE CONSIDERED A PART OF THESE PLANS. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR LOCATING IMPROVEMENTS PER THESE PLANS.
- 6. UPON RECEIPT OF POINT COORDINATE DATA, THE CONTRACTOR SHALL RUN AN INDEPENDENT VERTICAL CONTROL TRAVERSE TO CHECK BENCHMARKS AND A HORIZONTAL CONTROL TRAVERSE THROUGH GIVEN POINTS TO CONFIRM GEOMETRIC
- DATA AND NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO ANY CONSTRUCTION. 7. THE LOCATIONS OF UNDERGROUND FACILITIES SHOWN ON THE PLAN ARE BASED ON FIELD SURVEYS AND LOCAL UTILITY COMPANY RECORDS. IT SHALL BE THE CONTRACTOR'S FULL RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES TO LOCATE THEIR
- FACILITIES PRIOR TO STARTING CONSTRUCTION. NO ADDITIONAL COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR DAMAGE AND REPAIR TO THESE FACILITIES CAUSED BY HIS WORK FORCE. 8. PRIOR TO STARTING CONSTRUCTION THE CONTRACTOR SHALL BE RESPONSIBLE TO MAKE SURE THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION OR FABRICATION SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED
- AND THOROUGHLY REVIEWED ALL PLANS AND OTHER DOCUMENTS APPROVED BY ALL OF THE PERMITTING AUTHORITIES. 9. THE CONTRACTOR SHALL GIVE ALL NECESSARY NOTICES AND OBTAIN ALL PERMITS AND PAY ALL LEGAL FEES. HE/SHE SHALL ALSO COMPLY WITH ALL CITY, COUNTY AND STATE
- STREETS, WATER MAINS, SEWERS, BLASTING, PUBLIC STRUCTURES, ETC. 10. THE CONTRACTOR ACKNOWLEDGES AND AGREES THAT THE WORK IS ENTIRELY AT THE CONTRACTOR'S RISK UNTIL SITE IS ACCEPTED, AND THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR PROTECTION OF THE PROJECT AND PUBLIC SAFETY. THE CONTRACTOR WILL INDEMNIFY THE OWNER AND LOSE & ASSOCIATES, INC. FROM LIABILITY AT THE SITE THROUGHOUT THE CONSTRUCTION PROCESS.

BUILDING LAWS, ORDINANCES OR REGULATIONS RELATING TO BUILDING SIDEWALKS,

- 11. ALL DIMENSIONS, GRADES, AND UTILITY LOCATIONS SHOWN ON THESE PLANS WERE BASED ON SITE SURVEY PROVIDED BY OTHERS. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY CONSTRUCTION/PROJECT MANAGER IF ANY DISCREPANCIES EXIST PRIOR TO PROCEEDING WITH CONSTRUCTION FOR NECESSARY CHANGES. NO EXTRA COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR WORK HAVING TO BE REDONE DUE TO INFORMATION SHOWN INCORRECTLY ON THESE PLANS IF SUCH NOTIFICATION HAS NOT BEEN GIVEN.
- 12. THE CONTRACTOR SHALL FURNISH, INSTALL AND MAINTAIN ALL NECESSARY TEMPORARY WORKS FOR THE PROTECTION OF THE WORK AND THE PUBLIC, INCLUDING BARRICADES, WARNING SIGNS, LIGHTS OR OTHER DEVICES SOLELY AT THE DETERMINATION OF THE CONTRACTOR.
- 13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE DONE TO THE PREMISES OR ADJACENT PREMISES, OR INJURIES TO THE PUBLIC DURING THE CONSTRUCTION OF THE WORK, WHETHER CAUSED BY THE CONTRACTOR, SUBCONTRACTORS, OR THE CARELESSNESS OF ANY OF THEIR EMPLOYEES.
- 14. ALL PAY ITEMS HAVE BEEN EXPLICITLY SET FORTH AS SUCH IN THE PROPOSAL, ALL OTHER ITEMS OF COST ARE TO BE INCLUDED IN THE PRICE OF THE ITEMS ACTUALLY BID
- 15. ALL WORK WITHIN THE RIGHTS OF WAY SHALL BE IN ACCORDANCE WITH THE GOVERNING JURISDICTION AND SPECIFICATIONS.
- 16. THE CONTRACTOR SHALL PROVIDE SUCH BRACING, SHEETING AND SHORING, BLASTING PROTECTION, WARNING LIGHTS AND BARRICADES, ETC. AS MAY BE NECESSARY FOR THE PROTECTION OF LIFE AND PROPERTY FOR EMPLOYEES AND THE GENERAL PUBLIC. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE SAFETY STATUTES AND RULES REQUIRING CERTAIN PROTECTIVE PERSONAL APPAREL SUCH AS HARD HATS, EAR PLUGS, EYE SHIELDS, PROTECTIVE SHOES, ETC. THE OWNER AND ENGINEER ASSUME NO RESPONSIBILITY OR LIABILITY FOR ACTIONS TAKEN BY THE CONTRACTOR WHICH ENDANGER LIFE OR PROPERTY.
- 17. THE CONTRACTOR WILL, UPON BECOMING AWARE OF SUBSURFACE OR LATENT PHYSICAL CONDITIONS DIFFERING FROM THOSE DISCLOSED BY THE ORIGINAL SOIL EXPLORATION WORK, PROMPTLY NOTIFY THE OWNER VERBALLY TO PERMIT VERIFICATION OF THE CONDITIONS AND IN WRITING, AS TO THE NATURE OF THE DIFFERING CONDITIONS. NO CLAIM BY THE CONTRACTOR FOR ANY CONDITIONS DIFFERING FROM THOSE ANTICIPATED IN THE PLAN AND SPECIFICATIONS AND DISCLOSED BY THE SOIL STUDIES WILL BE ALLOWED UNLESS THE CONTRACTOR HAS SO NOTIFIED THE OWNER, VERBALLY AND IN WRITING AS REQUIRED ABOVE, OF SUCH DIFFERING CONDITIONS
- 18. ANY FOREIGN ITEM FOUND DURING CONSTRUCTION IS THE PROPERTY OF THE LAND OWNER. THIS INCLUDES, BUT IS NOT LIMITED TO, PRECIOUS METALS, COINS, PAPER CURRENCY, ARTIFACTS AND ANTIQUITIES.
- 19. THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS TO INSURE THAT THE NEW WORK SHALL FIT INTO THE EXISTING SITE IN THE MANNER INTENDED AND AS SHOWN ON THE DRAWINGS. SHOULD ANY CONDITIONS EXIST THAT ARE CONTRARY TO THOSE SHOWN ON THE DRAWINGS, THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE PRIOR TO PERFORMING ANY WORK IN THE AREA INVOLVING DIFFERENCES. NOTIFICATION SHALL BE IN THE FORM OF A DRAWING OR SKETCH INDICATING FIELD MEASUREMENTS AND NOTES RELATING TO THE AREA.
- 20. THE CONTRACTOR SHALL MAINTAIN THE SITE IN A NEAT AND ORDERLY CONDITION AT ALL TIMES. DAILY, AND MORE OFTEN IF NECESSARY, INSPECT & AND PICK UP ALL SCRAP, DEBRIS, & WASTE MATERIAL.
- 21. THE CONTRACTOR SHALL PROVIDE PROTECTION TO ALL FINISHED WORK. MAINTAIN SURFACES CLEAN, UNMARRED, AND SUITABLY PROTECTED UNTIL ACCEPTANCE BY
- 22. UPON COMPLETION OF PROJECT, CONTRACTOR SHALL CLEAN THE PAVED AREAS PRIOR TO REMOVAL OF TEMPORARY SEDIMENT CONTROLS, AS DIRECTED BY THE CITY AND/OR CONSTRUCTION/PROJECT MANAGER. IF POWER WASHING IS USED, NO SEDIMENT LADEN WATER SHALL BE WASHED INTO THE STORM SYSTEM. ALL SEDIMENT LADEN MATERIAL ON PAVEMENT OR WITHIN THE STORM SYSTEM SHALL BE COLLECTED AND REMOVED
- FROM THE SITE AT CONTRACTOR'S EXPENSE. 23. CONTRACTOR SHALL AT ALL TIMES ENSURE THAT SWPPP MEASURES PROTECTING EXISTING DRAINAGE FACILITIES BE IN PLACE PRIOR TO THE COMMENCEMENT OF ANY PHASE OF THE SITE CONSTRUCTION OR LAND ALTERATION.
- 24. THE CONTRACTOR SHALL COORDINATE ALL ROAD CLOSURES, EXCAVATIONS, ETC. WITH LOCAL JURISDICTIONS. ALL TEMPORARY LANE CLOSURES, EXCAVATIONS, BORINGS, TRAFFIC CONTROL, ETC. SHALL BE DONE IN COMPLIANCE WITH LOCAL REQUIREMENTS.
- 25. THE CONTRACTOR SHALL PERFORM ALL QUANTITY TAKEOFFS REQUIRED FOR BIDDING AND CONSTRUCTION OF THIS PROJECT. LOSE AND ASSOCIATES, INC. ACCEPTS NO RESPONSIBILITY NOR LIABILITY FOR QUANTITY TAKEOFFS PERFORMED FOR THIS PROJECT.

# **DEMOLITION**

- 1. DEMOLITION INCLUDES THE FOLLOWING WITHIN THE PROPERTY LINES: 1.1. TRANSFER BENCHMARK CONTROL TO NEW LOCATIONS OUTSIDE THE DISTURBED
- AREA PRIOR TO COMMENCING DEMOLITION OPERATIONS (WHEN APPLICABLE). PROVIDE TEMPORARY BARRICADES AND OTHER FORMS OF PROTECTION AS REQUIRED TO PROTECT OWNER'S PERSONNEL AND GENERAL PUBLIC FROM INJURY
- DUE TO DEMOLITION WORK. DEMOLITION AND REMOVAL OF SITE IMPROVEMENTS.
- DISCONNECTING, CAPPING OR SEALING, AND ABANDONING/REMOVING SITE UTILITIES IN PLACE (WHICHEVER IS APPLICABLE).
- **DEMOLITION (CONT.)**
- ALL DEMOLISHED MATERIALS (EXCLUDING FOREIGN ITEMS AS LISTED IN 'GENERAL') BECOME THE PROPERTY OF THE CONTRACTOR UNLESS OTHERWISE DESIGNATED BY THE

- OWNER'S REP. DISPOSE OF OFF THE OWNER'S PROPERTY AT NO ADDITIONAL COST 3. ALL PAVEMENT, BASE COURSES, SIDEWALKS, CURBS, ETC., THAT ARE REMOVED SHALL BE REMOVED TO FULL DEPTH. ALL PAVEMENT, SIDEWALK, AND CURB SHALL BE SAW CUT IN ORDER TO OBTAIN NEAT LINES AND SMOOTH TRANSITIONS TO NEW SURFACES.
- 4. ALL ITEMS OF CONSTRUCTION REMAINING AND NOT SPECIFICALLY MENTIONED THAT INTERFERES WITH THE NEW CONSTRUCTION SHALL BE REMOVED AS DIRECTED BY THE OWNERS REPRESENTATIVE AT NO ADDITIONAL COST.
- 5. CONTRACTOR SHALL PROVIDE PROTECTION TO ALL STREETS, TREES, UTILITIES, AND STRUCTURES THAT ARE TO REMAIN. CONTRACTOR-CAUSED DAMAGE WILL BE REPAIRED
- TO LOCAL STANDARDS AT NO ADDITIONAL COST TO THE OWNER. 6. THE CONTRACTOR SHALL CONFORM TO ALL LOCAL CODES AND OBTAIN ALL PERMITS PRIOR TO BEGINNING WORK.
- NO TREES ARE TO BE REMOVED AND/OR VEGETATION DISTURBED EXCEPT AS NECESSARY FOR DEMOLITION PURPOSES AND ONLY WITH PRIOR APPROVAL FROM THE OWNER'S REPRESENTATIVE.
- 8. OBTAIN APPROVED BORROW SOIL MATERIALS OFF-SITE. 9. STORAGE OR SALE OF REMOVED ITEMS OR MATERIALS ON-SITE WILL NOT BE PERMITTED. 10. DO NOT START DEMOLITION WORK UNTIL UTILITY DISCONNECTING AND SEALING HAVE BEEN COMPLETED AND VERIFIED IN WRITING.
- 11. REMOVE: REMOVE AND LEGALLY DISPOSE OF ITEMS EXCEPT THOSE INDICATED TO BE REINSTALLED, SALVAGED, OR TO REMAIN.
- 12. REMOVE, REINSTALL, AND RELOCATE: REMOVE ITEMS INDICATED; CLEAN, SERVICE, AND OTHERWISE PREPARE THEM FOR REUSE; STORE AND PROTECT AGAINST DAMAGE. REINSTALL ITEMS IN LOCATIONS INDICATED.
- 13. EXISTING TO REMAIN: PROTECT ITEMS INDICATED TO REMAIN AGAINST DAMAGE AND SOILING THROUGHOUT CONSTRUCTION. WHEN PERMITTED BY THE ENGINEER, ITEMS MAY BE REMOVED TO A SUITABLE, PROTECTED STORAGE LOCATION THROUGHOUT CONSTRUCTION AND THEN CLEANED AND REINSTALLED IN THEIR ORIGINAL LOCATIONS.
- 14. REGULATORY REQUIREMENTS: COMPLY WITH GOVERNING EPA NOTIFICATION REGULATIONS BEFORE STARTING DEMOLITION. COMPLY WITH HAULING AND DISPOSAL
- REGULATIONS OF AUTHORITIES HAVING JURISDICTION. 15. CONTRACTOR SHALL SCHEDULE DEMOLITION ACTIVITIES WITH THE
- CONSTRUCTION/PROJECT MANAGER INCLUDING THE FOLLOWING: 15.1. DETAILED SEQUENCE OF DEMOLITION AND REMOVAL WORK, INCLUSIVE OF STARTING
- AND ENDING DATES FOR EACH ACTIVITY. DATES FOR SHUTOFF, CAPPING, AND CONTINUATION OF UTILITY SERVICES. 15.3. IDENTIFY AND ACCURATELY LOCATE UTILITIES AND OTHER SUBSURFACE
- STRUCTURAL, ELECTRICAL, OR MECHANICAL CONDITIONS. 16. MAINTAIN EXISTING UTILITIES INDICATED TO REMAIN IN SERVICE AND PROTECT THEM
- AGAINST DAMAGE THROUGHOUT CONSTRUCTION OPERATIONS 16.1. DO NOT INTERRUPT EXISTING UTILITIES SERVING OCCUPIED OR OPERATING FACILITIES. EXCEPT WHEN AUTHORIZED IN WRITING BY ENGINEER AND AUTHORITIES HAVING JURISDICTION. PROVIDE TEMPORARY SERVICES DURING INTERRUPTIONS TO
- EXISTING UTILITIES, AS ACCEPTABLE TO OWNER AND TO GOVERNING AUTHORITIES. 17. UTILITY REQUIREMENTS: LOCATE, IDENTIFY, DISCONNECT, AND SEAL OR CAP OFF
- INDICATED UTILITY SERVICES SERVING THE SITE. 17.1. ARRANGE TO SHUT OFF AND CAP UTILITIES WITH UTILITY COMPANIES AND FOLLOW THEIR RESPECTIVE UTILITY KILL AND CAP POLICIES.
- 17.2. ALL EXISTING UNDERGROUND UTILITIES SHOWN ARE APPROXIMATE AND ARE TO BE VERIFIED BY CONTRACTOR. LOSE & ASSOCIATES, INC. DOES NOT ACCEPT ANY RESPONSIBILITY FOR THE ACCURACY OF EXISTING UTILITIES INDICATED ON THE CONSTRUCTION DOCUMENTS. VERIFY LOCATION OF EXISTING UTILITIES AND EXERCISE EVERY PRECAUTION WHEN WORKING ON OR NEAR THESE AREAS TO AVOID DAMAGE TO THESE EXISTING FACILITIES. UTILITY LINES MAY BE ENCOUNTERED IN EXCAVATION THAT WERE NOT KNOWN OR SHOWN TO EXIST, SO CAUTION SHALL BE TAKEN IN ALL EXCAVATIONS. ACTIVE OR INACTIVE UTILITIES ENCOUNTERED BY THE CONTRACTOR SHALL BE HANDLED IN ACCORDANCE WITH THE REQUIREMENTS OR
- THE UTILITY COMPANIES. 18. CONDUCT DEMOLITION OPERATIONS TO PREVENT INJURY TO PEOPLE AND DAMAGE TO ADJACENT BUILDINGS AND FACILITIES TO REMAIN. ENSURE SAFE PASSAGE OF PEOPLE AROUND DEMOLITION AREA.
- 18.1. ERECT TEMPORARY PROTECTION, BARRICADES AS PER LOCAL GOVERNING AUTHORITIES.
- 18.2. PROTECT EXISTING SITE IMPROVEMENTS AND APPURTENANCES TO REMAIN. 19. EXPLOSIVES: USE OF EXPLOSIVES WILL NOT BE PERMITTED
- 20. REMOVE AND TRANSPORT DEBRIS IN A MANNER THAT WILL PREVENT SPILLAGE ON ADJACENT SURFACES AND AREAS.
- 21. CLEAN ADJACENT BUILDINGS AND IMPROVEMENT OF DUST, DIRT, AND DEBRIS CAUSED BY DEMOLITION OPERATIONS. RETURN ADJACENT AREAS TO CONDITION EXISTING BEFORE START OF DEMOLITION.
- 22. DAMAGES: PROMPTLY REPAIR DAMAGES TO ADJACENT FACILITIES CAUSED BY
- DEMOLITION OPERATIONS AT THE CONTRACTORS COST. 23. GENERAL: PROMPTLY DISPOSE OF DEMOLISHED MATERIALS. DO NOT ALLOW DEMOLISHED
- MATERIALS TO ACCUMULATE ON-SITE. 24. BURNING: DO NOT BURN DEMOLISHED MATERIALS. 25. CONDUCT DEMOLITION OPERATIONS AND REMOVE DEBRIS TO ENSURE MINIMUM
- INTERFERENCE WITH EXISTING FACILITIES. 25.1. DO NOT CLOSE OR OBSTRUCT STREETS, WALKS, OR OTHER ADJACENT OCCUPIED OR USED FACILITIES WITHOUT PERMISSION FROM OWNER AND AUTHORITIES HAVING JURISDICTION. PROVIDE ALTERNATE ROUTES AROUND CLOSED OR OBSTRUCTED
- TRAFFIC WAYS IF REQUIRED BY GOVERNING REGULATIONS. 25.2. PROVIDE TEMPORARY FENCES, BARRICADES, COVERINGS OR OTHER PROTECTIONS TO PRESERVE EXISTING ITEMS INDICATED TO REMAIN AND TO PREVENT INJURY OR DAMAGE TO PERSONS OR PROPERTY. APPLY PROTECTIONS TO ADJACENT PROPERTIES AS REQUIRED.

# **CLEARING & GRUBBING**

- 1. DO NOT EXCEED CLEARING AND GRUBBING LIMITS OF CONSTRUCTION LINES INDICATED ON THE PLANS.
- 2. ALL AREAS OUTSIDE THE LIMITS OF CONSTRUCTION SHALL NOT BE CROSSED BY HEAVY EQUIPMENT OR USED FOR STORING HEAVY EQUIPMENT OR MATERIALS.
- 3. NO EQUIPMENT SHALL BE STORED UNDER THE DRIP LINE OF TREES TO REMAIN. 4. DO NOT FALL ANY TREES OR PUSH PILES OF DEBRIS AGAINST TREES TO REMAIN.
- 5. REMOVE ALL STUMPS, ROCKS, ASPHALT & CONCRETE DEBRIS, ETC. WITHIN CLEARING LIMITS AND DISPOSE OFF SITE IN ACCORDANCE WITH LOCAL, STATE, & FEDERAL REGULATIONS.
- 6. CONTACT ALL UTILITY AUTHORITIES WHO HAVE LINES WITHIN THE CLEARING AND GRUBBING LIMITS BEFORE STARTING WORK.
- 7. ALL EROSION CONTROL SEDIMENT BARRIERS, SILT FENCES, AND TREE PROTECTION DEVICES SHALL BE INSTALLED PRIOR TO STARTING CLEARING AND GRUBBING OPERATIONS.
- 8. CONTRACTOR TO STAKE TRAIL CENTERLINES (WHEN APPROPRIATE) & LIMITS OF CLEARING FOR REVIEW BY LOSE & ASSOCIATES, INC. PRIOR TO BEGINNING CLEARING OPERATIONS; TREES WITHIN GRADING LIMITS TO BE SAVED WILL BE IDENTIFIED BY THE OWNER'S REPRESENTATIVE. FIELD CHANGES TO GRADING PLANS SHALL BE MADE FOR SMOOTH TRANSITION OF GRADES AROUND ALL TREES.
- 9. SEE SPECIFICATIONS FOR TREE CLEARING REQUIREMENTS AND PENALTIES FOR DAMAGES TO TREES DESIGNATED TO REMAIN.
- 10. ALL CLEARING SHALL BE LIMITED TO AREAS TO BE GRADED WITHIN 14 CALENDAR DAYS

# **EXISTING UTILITIES**

- 1. UNDERGROUND UTILITIES HAVE NOT BEEN VERIFIED BY THE OWNER, LOSE & ASSOCIATES, OR THEIR REPRESENTATIVES. BEFORE YOU DIG CALL 811 TO HAVE EXISTING UTILITIES MARKED
- 2. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK AND AGREES TO BE RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT RESULT FROM THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE
- AND PRESERVE ANY UNDERGROUND UTILITIES TO REMAIN. 3. LOSE & ASSOCIATES, INC. ACCEPTS NO RESPONSIBILITY FOR THE ACCURACY OF THE BASE SURVEY INFORMATION PROVIDED BY OTHERS.

# DEVELOPMENT

- 1. NOTIFY OWNER AND LOSE & ASSOCIATES, INC. AT 50, 95, AND 100 PERCENT COMPLETION
- OF EVERY PHASE OF CONSTRUCTION 2. ALL BUFFERS AND TREE SAVE AREAS SHALL BE CLEARLY IDENTIFIED BY FLAGGING

- AND/OR FENCING PRIOR TO COMMENCEMENT OF ANY LAND DISTURBANCE.
- 3. ALL CONSTRUCTION TO COMPLY WITH LOCAL/COUNTY ZONING AND CODES STANDARDS AND STATE OF TENNESSEE STORMWATER REGULATIONS.

- 1. TOPSOIL SHALL BE STORED ON SITE IN LOCATIONS APPROVED BY THE OWNERS REPRESENTATIVE AND OUTSIDE AREAS PRONE TO FLOODING. DRAINAGE SHALL ROUTE AROUND THESE TOPSOIL STOCKPILES FOR THE DURATION OF THE GRADING OPERATIONS. EROSION CONTROL MEASURES SHALL PREVENT LOSS OF TOPSOIL MATERIAL.
- UNSUITABLE SOILS SHALL BE UNIFORMLY SPREAD ACROSS NON-STRUCTURAL FILL AREAS, COVERED WITH TOPSOIL. AND VEGETATED PER DRAWINGS.
- 3. FILL AREAS SHALL BE PROOF-ROLLED WITH RUBBER-TIRED EQUIPMENT WITH A MINIMUM WEIGHT OF FIFTEEN TONS PRIOR TO BEGINNING FILL OPERATION. AREAS WHICH ARE SOFT OR UNSTABLE SHALL BE UNDERCUT UNTIL STABLE SOILS ARE FOUND. RECOMPACTION OF THESE SOILS TO 98 PERCENT MAXIMUM DRY DENSITY (AS PER ASTM D698 STANDARD PROCTOR) WILL BE ALLOWED, UNDER THE DIRECTION OF A QUALIFIED
- 4. CUT AREA SHALL BE PROOF-ROLLED AFTER FINAL SUBGRADE IS ACHIEVED IN THE SAME MANNER AS FILLED AREAS. SOFT OR UNSTABLE SOILS SHALL BE SCARIFIED TO A DEPTH OF 12" AND RECOMPACTED TO 98 PERCENT MAXIMUM DRY DENSITY AS PER ASTM D698 (STANDARD PROCTOR).
- 5. CONFIRMATION OF ALL COMPACTION REQUIREMENTS SHALL BE CONFIRMED BY A QUALIFIED SOILS ENGINEER. SEE SPECIFICATION FOR SOIL COMPACTION RATES.
- 6. ALL FILL AREAS SHALL BE RAISED IN LIFTS NOT EXCEEDING 6 INCHES. 7. ALL AREAS WILL BE GRADED TO PROVIDE PROPER DRAINAGE AND PREVENT STANDING
- 8. ELEVATIONS SHOWN ON THE PLANS IS THE FINISH GRADE ELEVATION. 9. GRADING SHALL BE SEQUENCED SO THAT BASE STONE IS PLACED WITHIN 14 CALENDAR
- DAYS OF ACHIEVING OPTIMUM SUBGRADE COMPACTION. 10. ALL GRADING OPERATIONS SHALL BE COMPLETED IN COMPLIANCE OF CITY, COUNTY, AND STATE LAND DISTURBANCE PERMITS AS REQUIRED

# LAYOUT

- ALL LAYOUT MEASUREMENTS ARE TO CENTERLINE UNLESS OTHERWISE NOTED. 2. COORDINATE POINTS SHOWN ARE TAKEN FROM BASE INFORMATION PROVIDED BY OTHERS. CONTRACTOR SHALL CROSS CHECK BETWEEN COORDINATE LAYOUT AND PLAN
- DIMENSIONS PRIOR TO COMMENCING WORK. 3. LOSE AND ASSOCIATES. INC., ACCEPTS NO RESPONSIBILITY FOR THE ACCURACY OF THE BASE INFORMATION AS PROVIDED. CONTRACTOR IS TO VERIFY ALL BASE INFORMATION AS NECESSARY AND TO ADVISE THE ARCHITECT OF ANY DISCREPANCIES PRIOR TO ANY
- LAYOUT WORK 4. ALL WORK SHALL BE COMPLETED TO THE LEVEL INDICATED BY THE SCOPE OF WORK
- LISTED IN THE BID DOCUMENTS 5. CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACEMENT OF ALL DAMAGED AND/OR DISTURBED MONUMENTS, STAKES, ETC.
- CONTRACTOR SHALL NOT SCALE DRAWINGS. CONTRACTOR SHALL USE DIMENSION,
- COORDINATES, AND OTHER INFORMATION PROVIDED ON LAYOUT PLANS. CONTRACTOR IS RESPONSIBLE FOR ALL CONSTRUCTION STAKING REQUIRED ON THE PROJECT. THE CONTRACTOR SHALL VERIFY THAT NO CONFLICTS EXIST BETWEEN
- EXISTING FACILITIES AND PROPOSED FACILITIES PRIOR TO BEGINNING CONSTRUCTION ACTIVITIES. 8. CONTRACTOR SHALL NOTIFY LOSE & ASSOCIATES, INC. WITHIN 24 HOURS OF ANY LAYOUT DISCREPANCIES PRIOR TO PROCEEDING WITH WORK. ALL ADDITIONAL COSTS, INCLUDING BUT NOT LIMITED TO REMEDIAL CONSTRUCTION, ADDITIONAL SITE VISITS, OR ENGINEERING SERVICES AND FEES, ETC., INCURRED DUE TO THE FAILURE TO FOLLOW
- THIS PROCEDURE WILL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR 9. CONTRACTOR SHALL PROVIDE ADEQUATE LAYOUT INFORMATION TO DEMONSTRATE. TO THE MAXIMUM EXTENT PRACTICAL, THAT NO CONFLICTS BETWEEN VARIOUS TRADES
- 10. DRAINAGE STRUCTURES ARE SHOWN TO INDICATE CASTING TYPE AND LOCATION. CONTRACTOR SHALL STAKE PROPOSED PAVING, STRUCTURES, CURBS, ETC. TO ENSURE DRAINAGE STRUCTURES ARE PLACED TO AVOID CONFLICTS. DRAINAGE STRUCTURES ARE NOT DRAWN TO SCALE.

# **ADA REQUIREMENTS**

- 1. ALL CONSTRUCTION ACTIVITIES SHALL BE COMPLETED IN FULL COMPLIANCE WITH THE AMERICANS WITH DISABILITIES ACT ("ADA") AND ARCHITECTURAL AND TRANSPORTATION BARRIERS COMPLIANCE BOARD, FEDERAL REGISTER 36CFR PARTS 1190 AND 1191, ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES: ARCHITECTURAL BARRIERS
- ACT (ABA) ACCESSIBILITY GUIDELINES 2. CONTRACTOR TO COORDINATE ALL INSPECTIONS AS REQUIRED BY THE LOCAL ADA
- COMPLIANCE OFFICE. 3. AT ALL INTERSECTION OF TRAILS, SIDEWALKS, PLAZAS, AND OTHER INSTANCES WHERE 90 DEGREE TURNS CAN TAKE PLACE, THE MAX. SLOPE IN ALL DIRECTIONS IS 2 PERCENT.

# TREE PROTECTION / REMOVAL

- 1. EXISTING TREES ON-SITE TO BE REMOVED HAVE BEEN MARKED ON THE SITE PLANS WITH AN "X". ONLY THOSE MARKED TREES SHALL BE REMOVED. CONTRACTOR SHALL PROCEED WITH THE FOLLOWING FOR TREES TO BE REMOVED ONLY:
- 1.1. REMOVE THE TOP OF ALL TREES INCLUDING BRANCHES AND TRUNK IN AN ORGANIZED AND SAFE MATTER BEING CAREFUL NOT TO DAMAGE ANY TREES TO REMAIN OR OTHER SITE FEATURES.
- 1.2. ALL STUMPS OF TREES BEING REMOVED SHALL BE COMPLETELY EXCAVATED AND REMOVED. ALL EXCAVATED HOLES, FROM REMOVAL OF TREE ROOTS, REMAINING ON-SITE SHALL BE REMEDIATED WITH ENGINEERED FILL AND COMPACTED TO MEET SPECIFICATIONS.
- 1.3. ALL TREE WASTE, INCLUDING LIMBS, BRANCHES, TRUNKS, ROOTS OR OTHER, SHALL BE COMPLETELY REMOVED FROM THE CONSTRUCTION SITE AND DISPOSED OF IN A
- LEGAL MANNER. 2. ALL TREES THAT HAVE NOT BEEN MARKED ON THESE PLANS WITH AN "X" SHALL BE PROTECTED ON SITE DURING CONSTRUCTION FROM ANY AND ALL DAMAGE.
- 2.1. ALL PROTECTED TREES THAT ARE LOCATED NEAR OR WITHIN THE LIMITS OF CONSTRUCTION SHALL BE PROTECTED BY TREE PROTECTION FENCING PER DETAILS. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY PROTECTED TREES THAT

CONTRACTOR SHALL PROCEED WITH THE FOLLOW FOR TREES TO BE PROTECTED ONLY:

- ARE DAMAGED DURING CONSTRUCTION. 2.3. IF PROTECTED TREES ARE LOCATED WITHIN THE LIMITS OF CONSTRUCTION, THEY MUST BE PROTECTED DURING SITE CONSTRUCTION.
- IF GRADING, EXCAVATION OR PAVING IS SHOWN TO OCCUR NEAR THE PROTECTED TREE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTRACTING WITH A LOCAL TREE SURGEON FOR RECOMMENDATIONS ON TREE PROTECTION.
- 2.5. IF DISCREPANCIES OCCUR AND IT IS ANTICIPATED THAT THE PROTECTED TREES WILL BE DAMAGED DUE TO PROPOSED CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE DESIGNER IMMEDIATELY OF ANY CONFLICT.
- THE CONTRACTOR SHALL ALSO SUBMIT RECOMMENDATIONS TO THE DESIGNER
- FROM THE TREE SURGEON FOR PROTECTION MEASURES. CONTRACTOR SHALL BE RESPONSIBLE FOR IN-FIELD COORDINATION WITH THE DESIGNER TO RESOLVE ANY CONFLICTS THAT MAY ARISE DUE TO PROTECTED
- 2.8. IF THE CONTRACTOR LOCATES TREES IN THE FIELD THAT ARE NOT SHOWN ON THESE PLANS OR THAT ARE MISLOCATED, THE CONTRACTOR SHALL NOTIFY THE DESIGNER FOR REVIEW OF THE TREE AND ITS LOCATION.
- 2.9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION WITH SUB-CONSULTANTS AND UTILITY PROVIDERS DURING CONSTRUCTION TO ENSURE THE PROTECTION OF THE TREES TO REMAIN.

# TREE PROTECTION / REMOVAL (CONT.)

2.10. IN THE EVENT OF UTILITY LINE ADJUSTMENTS, ADDITIONS OR RELOCATIONS, THE CONTRACTOR SHALL WORK WITH THE UTILITY PROVIDER AND INSTALLER TO ROUTE THE UTILITY LINES OUTSIDE OF THE TREE PROTECTION ZONE. IF THIS IS NOT POSSIBLE, RECOMMENDATIONS MUST BE OBTAINED FROM A LOCAL TREE SURGEON FOR REMEDIATION OPTIONS.

2.11. CONTRACTOR MUST SUBMIT ALL REPORTS OR RECOMMENDATIONS FOR TREE PRUNING OR ALTERING TO THE LANDSCAPE ARCHITECT FOR REVIEW PRIOR TO RENDERING SERVICES.

# **BROOKHAVEN TREE PROTECTION NOTES:**

- TREES IDENTIFIED TO BE PRESERVED AND COUNTED TOWARD THE TREE DENSITY REQUIREMENTS SHALL HAVE TEMPORARY CHAIN LINK FENCE OR FOUR FOOT ORANGE TREE PROTECTION FENCING AND STAKED HAY BALES INSTALLED AT OR BEYOND THE CRITICAL ROOT ZONE. A SIGN SHALL BE PLACE ON THE FENCING STATING "KEEP OUT." A TWO-INCH LAYER OF MULCH AND MYCORRHIZAE FUNGI SHALL BE APPLIED OVER THE CRITICAL ROOT ZONE PRIOR TO CONSTRUCTION.
- PRE-CONSTRUCTION LIMB PRUNING SHALL BE PERFORMED ON ANY TREES WITHIN THE CONSTRUCTION ZONE, THAT ARE TO BE PRESERVED, TREE BRANCHES SHALL BE PRUNED TO AN APPROPRIATE HEIGHT TO AVOID DAMAGE BY CONSTRUCTION EQUIPMENT AND STRUCTURES. ALL DEAD BRANCHES GREATER THAN ONE INCH IN DIAMETER SHOULD BE REMOVED TO REDUCE THE RISK OF DEAD BRANCH FAILURE TO CONSTRUCTION PERSONNEL. ALL TREE PRUNING IS TO BE DONE USING ANSI STANDARD A300 (PART 1) FOR PRUNING. NO GAFF OR SPIKE CLIMBING TO BE USED TO ACCESS LIMBS.
- ROOT PRUNING IS TO BE DONE WHENEVER ROOTS OF TREES ARE EXPOSED DURING CONSTRUCTION, ALL ROOT PRUNING TO BE DONE USING ANSI STANDARD A300 (PART 8) FOR ROOT MANAGEMENT. THE ROOT ENDS ARE TO BE CUT OFF CLEANLY AND THE ROOTS COVERED BY DIRT OR PLASTIC FOR AS LONG AS THE ROOT IS EXPOSED. WHEN PERFORMING A TRENCH EXCAVATION, THE ROOTS HAVE TO BE CUT ON THE TREE-SIDE OF THE TRENCH PRIOR TO EXCAVATING. NO ROOT PRUNING SHALL BE ALLOWED IN THE STRUCTURAL ROOT PLATE OF ANY SAVED TREE.
- IN TREE SAVE AREAS WHERE LARGE EQUIPMENT WILL BE OPERATING, A TEMPORARY BRIDGE OVER THE ROOT SYSTEM OF THE TREE SHALL BE CONSTRUCTED INCLUDING BUT NOT LIMITED TO CONSTRUCTION MATS OR LANDSCAPE TIMBERS AND PLYWOOD, AREA OF BRIDGE WILL TYPICALLY ADHERE TO THE AREA UNDER THE DRIPLINE FOR ALL TREES. TEMPORARY BRIDGE DETAIL MUST BE INCLUDED ON THE TREE PROTECTION AND REPLACEMENT PLAN.
- NO PERSON ENGAGED IN THE CONSTRUCTION OF ANY IMPROVEMENT OR SITE WORK SHALL ENCROACH OR PLACE SOLVENTS, MATERIAL, CONSTRUCTION MACHINERY OR TEMPORARY SOIL DEPOSITS WITHIN THE CRITICAL ROOT ZONE OF SPECIMEN TREES, TREE SAVE AREAS, TRANSITIONAL BUFFER ZONES, STREAM BUFFERS AND/OR STATE BUFFERS. 6. ALL TREE PROTECTION DEVICES MUST REMAIN IN FUNCTIONING CONDITION UNTIL
- COMPLETION OF THE PROJECT: 6.1. FOR ALL PROJECTS, TREE PROTECTION DEVICES MUST BE INSTALLED AND
- INSPECTED PRIOR TO ANY CLEARING, GRUBBING OR GRADING TREE PROTECTION FENCES FOR SUBDIVISIONS SHALL BE INSTALLED BY THE DEVELOPER AT THE SAME TIME AS THE EROSION CONTROL DEVICES. THE DEVELOPER IS RESPONSIBLE FOR MAINTENANCE OF TREE PROTECTION FENCES AND DEVICES UNTIL BUILDING COMMENCES ON A LOT. THEREAFTER, BOTH THE DEVELOPER AND THE GENERAL CONTRACTOR ARE RESPONSIBLE FOR MAINTENANCE
- OF THE FENCE ON THE LOT. ANY TREE DESIGNATED ON THE TREE PROTECTION PLAN TO BE SAVED, WHICH IS DAMAGED DURING CONSTRUCTION OTHER THAN BY AN ACT OF GOD, SHALL BE TREATED ACCORDING TO ISA STANDARDS. IF FATALLY DAMAGED, THE TREE SHALL BE RECOMPENSED ON A 1.5-INCH PER ONE-INCH BASIS WITH A COMBINATION OF TWO-INCH, THREE-INCH AND FOUR-INCH OR LARGER CALIPER OVERSTORY TREES.
- BOUNDARY TREE PROTECTION AND ESCROW ACCOUNT. 8.1. THE PERMITTEE SHALL PROVIDE A BOUNDARY TREE AGREEMENT BETWEEN THE HOMEOWNER AND THE APPLICANT. THE BOUNDARY TREE OWNER MAY REQUEST FOR A TREE ESCROW ACCOUNT TO BE ESTABLISHED, WHICH MAY BE AN IRREVOCABLE LETTER OF CREDIT IN FAVOR OF THE CITY FROM THE PERMITTEE IN THE AMOUNT AGREED TO BY BOTH PARTIES OR MAY BE A CASH DEPOSIT IN TRUST WITH THE CITY IN THAT AMOUNT, OR THE PERMITTEE MUST SUBMIT AN AGREEMENT CONTRACT CONCERNING THE PROPOSED BOUNDARY TREE DISTURBANCE THAT IS AGREED UPON AND SIGNED AND NOTARIZED BY BOTH PARTIES, PRIOR TO PERMIT ISSUANCE A COPY OF THAT AGREEMENT SHALL BE SUBMITTED TO THE CITY TO BE PLACED IN THE BUILDING PERMIT FILE.
- FOR ANY BOUNDARY TREE THAT HAS ITS CRITICAL ROOT ZONE IMPACTED AND/OR ENCROACHED INTO MORE THAN 20 PERCENT WITHOUT A PREVIOUSLY APPROVED CERTIFIED ARBORIST PRESCRIPTION. THE PERMITTEE SHALL EITHER DEPOSIT INTO AN ESCROW ACCOUNT. OR CAUSE TO BE ISSUED IN FAVOR OF THE CITY. AN IRREVOCABLE LETTER OF CREDIT, IN AN AMOUNT TOTALING THE ESTIMATED COST OF REMOVAL OF THE BOUNDARY TREE PLUS THE COST TO REPLACE THE BOUNDARY TREE WITH A MINIMUM THREE-INCH CALIPER TREE. THE APPLICANT MUST SEND A CERTIFIED LETTER DESCRIBING THE PROPOSED DISTURBANCE TO THE BOUNDARY TREE OWNER AT THE LAST KNOWN ADDRESS OF THE BOUNDARY TREE OWNER. A COPY OF THE LETTER AND THE CERTIFICATE OF MAILING MUST BE PROVIDED TO THE CITY TO PLACE IN THE PERMIT FILE PRIOR TO PERMIT ISSUANCE. THIS DOES NOT PREVENT THE BOUNDARY TREE OWNER FROM FILING A CIVIL ACTION IN COURT FOR ANY DAMAGES TO THE BOUNDARY TREE REAL OR PERCEIVED.
- REPLACEMENT TREES SHALL BE OF COMPARABLE MATURE CANOPY SIZE AND SPECIES QUALITY TO THE REPLACED BOUNDARY TREE, AND SHALL BE ECOLOGICALLY COMPATIBLE WITH THE INTENDED GROWING SITE AS DETERMINED BY
- AFTER THREE YEARS FROM THE DATE OF CERTIFICATE OF OCCUPANCY ISSUANCE, THE PERMITTEE MAY PETITION THE CITY ARBORIST TO RETURN THE MONEY HELD IN ESCROW FOR THE BOUNDARY TREE. THE CITY ARBORIST WILL REVIEW THE BOUNDARY TREE TO DETERMINE IF IT IS IN IRREVERSIBLE DECLINE AS A RESULT OF THE PERMITTEE'S DISTURBANCE ACTIVITIES. PERMITTEE AND BOUNDARY TREE OWNER ARE NOTIFIED OF THE ARBORIST'S DETERMINATION VIA FIRST CLASS MAIL
- EITHER PARTY MAY APPEAL THE DECISION TO THE BOARD OF APPEALS. IF, DURING THE THREE-YEAR PERIOD, THE BOUNDARY TREE IS IN IRREVERSIBLE DECLINE OR HAS DIED AS A RESULT OF THE PERMITTEE'S LAND DISTURBANCE AND/OR CONSTRUCTION ACTIVITY, THE BOUNDARY TREE OWNER WILL BE ISSUED A CHECK BY THE CITY FOR THE AMOUNT DEPOSITED BY THE PERMITTEE. THE PERMITTEE AND BOUNDARY TREE OWNER WILL BE NOTIFIED BY THE ARBORIST VIA FIRST CLASS MAIL. EITHER PARTY MAY APPEAL THE DECISION TO THE BOARD OF
- NEITHER THE BOUNDARY TREE OWNER NOR THE PERMITTEE SHALL BE ENTITLED TO RECEIVE INTEREST ON ANY FUNDS REQUIRED BY THIS PROVISION. ANY FUNDS NOT COLLECTED BY EITHER THE BOUNDARY TREE OWNER OR THE PERMITTEE WITHIN A PERIOD OF FOUR YEARS SHALL BE DEPOSITED INTO THE CITY TREE FUND.

- **DEKALB COUNTY NOTES** 1. 72 HOURS NOTICE IS REQUIRED TO GEORGIA 811 UTILITY PROTECTION CENTER BEFORE
- ANY PLANNED DIGGING. (HTTP://WWW.GEORGIA811.COM) DEKALB COUNTY IS NOT RESPONSIBLE FOR ANY ERRORS OR OMISSIONS BY ENGINEERS OR OTHER DESIGN PROFESSIONALS ON DESIGN OR COUNTY CODE REQUIREMENTS FOR
- ALL TREE PROTECTION FENCING TO BE INSPECTED DAILY AND REPLACED OR REPAIRED
- ALL TREE PROTECTION DEVICES ARE TO BE INSTALLED PRIOR TO START OF LAND DISTURBANCE AND MAINTAINED UNTIL FINAL LANDSCAPING IS INSTALLED. NO PARKING, STORAGE OR OTHER CONSTRUCTION SITE ACTIVITIES ARE TO OCCUR WITHIN THE TREE PROTECTION AREAS.

6. ALL REQUIRED VEGETATION MUST BE MAINTAINED FOR TWO GROWING SEASONS AFTER

THE DATE OF FINAL INSPECTION. ALL TREE PROTECTION AREAS TO BE PROTECTED FROM SEDIMENTATION.

# **ABBREVIATIONS**

BOC - BOTTOM OF CURB

BFP - BACKFLOW PREVENTER

ASPH - ASPHALT

@ - AT

DR - DRIVE

FT - FEET

MAX - MAXIMUM

MIN - MINIMUM

MH - MANHOLE

MPH - MILES PER HOUR

- BOTTOM OF STEP - PERFORATED DRAIN PD - BOTTOM OF WALL - PROPERTY LINE CENTERLINE POB - POINT OF BEGINNING - CONTROL JOINT - POWER POLE CO - COMPANY - RADIUS CONT - CONTINUOUS **ROW - RIGHT OF WAY** CY - CUBIC YARD SERV - SERVICE DIA - DIAMETER SCH - SCHEDULE - SQUARE FEET EJ - EXPANSION JOINT S.F. - SILT FENCE ELEC - ELECTRIC SQ - SQUARE **ELEV - ELEVATION**  SQARE YARD FH - FIRE HYDRANT SIG - SIGNAL EX - EXISTING SPEC - SPECIFICATION(S) STA - STATION FL - FLOW LINE - STREET ST - TELEPHONE - TOP OF CASTING

OD

NIC - NOT IN CONTRACT

- OUTSIDE DIAMETER

NO - NUMBER

O.C. - ON CENTER

WS - WATER SERVICE

WWF - WELDED WIRE FABRIC

WV - WATER VALVE

GALV - GALVANIZED HP - HIGH POINT TOC - TOP OF CURB HT - HEIGHT HW - HEADWALL - TOP OF FOOTING - TOP OF PAVEMENT **HYD** - **HYDRANT** ID - INSIDE DIAMETER TS - TOP OF STEP JUNC - JUNCTION TW - TOP OF WALL LOC - LIMITS OF CLEARANCE TYP. - TYPICAL L.O.D. - LIMITS OF DISTURBANCE VERT - VERTICAL LF - LINEAR FEET W - WATER

BVCS - BEGINNING OF VERTICAL CURVE STATION BVCE - BEGINNING OF VERTICAL CURVE ELEVATION EVCS - ENDING OF VERTICAL CURVE STATION **EVCE - ENDING OF VERTICAL CURVE ELEVATION** 

PVI - POINT OF VERTICAL INTERSECTION

NOTE: THESE ABBREVIATIONS ARE GENERAL; INDIVIDUAL SHEETS MAY INCLUDE OTHERS.

# "C" SHEETS LEGEND

— OE — OE — OVERHEAD ELECTRIC — UE — UE — UNDERGROUND ELECTRIC — G —— G —— GAS — SW — STORM SEWER — SS — SANITARY SEWER BENCHMARK FIRE HYDRANT

DRAWING AND THE DESIGN SHOWN IS THE PROPERT E ARCHITECT. REPRODUCTION, COPYING, OR USE OF THI ID ANY INFRINGEMENT IS SUBJECT TO LEGAL ACTION.





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GENERAL NOTES

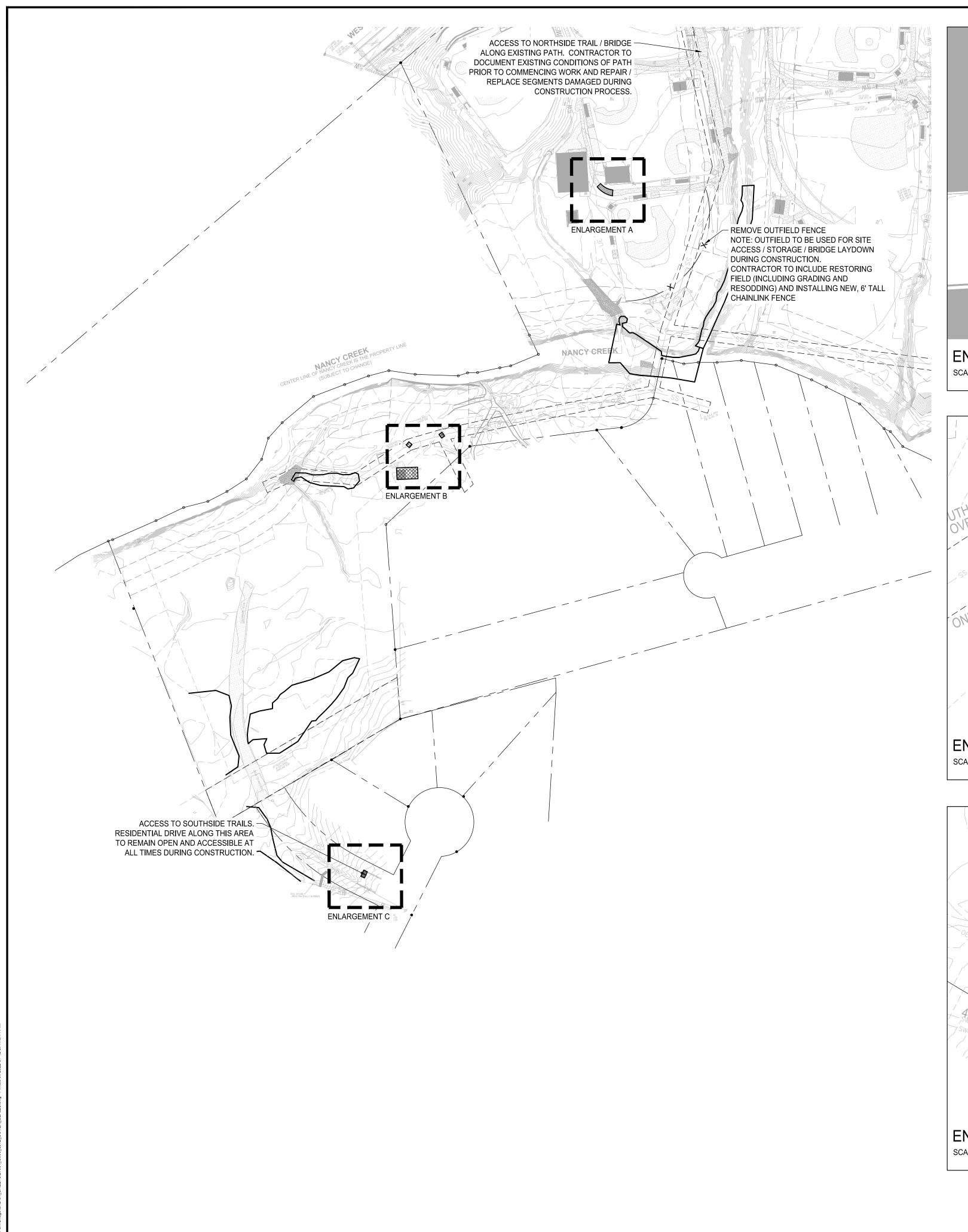
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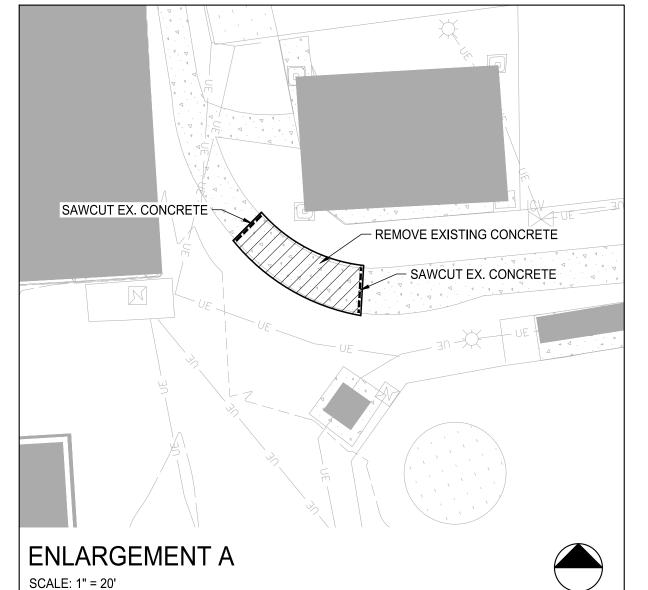
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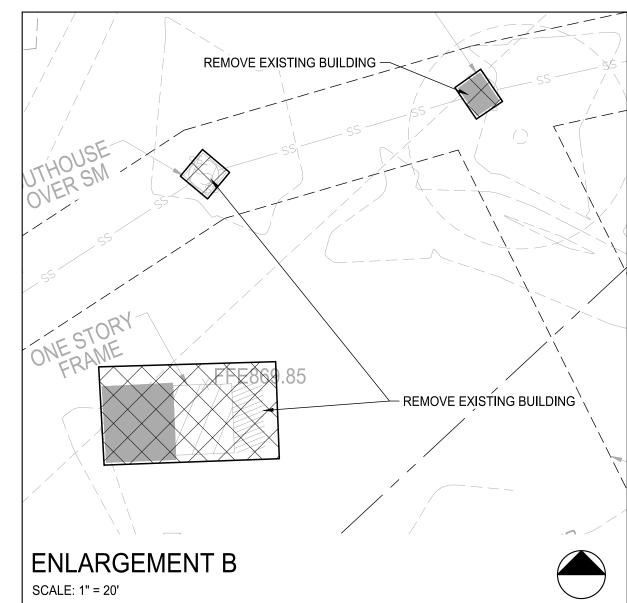
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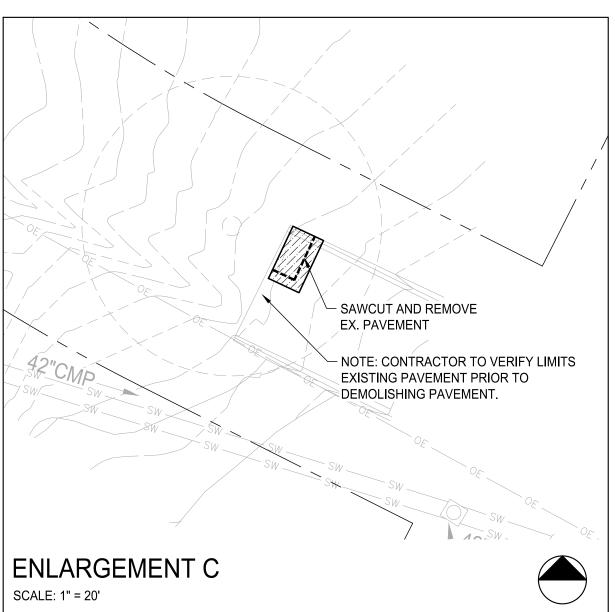
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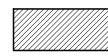








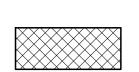
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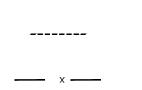
**EXISTING CONCRETE PAVEMENT REMOVAL** SEE DEMO REFERENCE 1, THIS SHEET



**EXISTING ASPHALT PAVEMENT REMOVAL** SEE DEMO REFERENCE 2, THIS SHEET



STRUCTURE REMOVAL (BUILDINGS, RETAINING WALLS, ETC.) SEE DEMO REFERENCE 3, 4, 5, 6, 7, THIS



SAW CUT LINE (PROVIDE CLEAN, STRAIGHT EDGE AT EXISTING PAVEMENT)

EXISTING FENCE TO BE REMOVED SEE DEMO REFERENCE 8, THIS SHEET —— LOD ——

LIMITS OF DISTURBANCE

# **DEMOLITION REFERENCES:**

- 1. REMOVE EXISTING CONCRETE PAVEMENT.
- 2. REMOVE EXISTING ASPHALT PAVEMENT.
- 3. REMOVE EXISTING BUILDINGS, INCLUDING ALL
- CONNECTIONS, PAVEMENT, SITE FURNISHINGS, ETC. SEE BUILDING DEMOLITION NOTE FOR ADDITIONAL INFORMATION.
- 4. REMOVE EXISTING PATIO AND STRUCTURE
- 5. REMOVE EXISTING WALL WITH FOUNDATION.
- 6. REMOVE EXISTING CONCRETE STAIRS WITH FOUNDATION.
- REMOVE EXISTING CURB
- 8. REMOVE EXISTING FENCE AND FOOTING FOUNDATIONS
- 9. REMOVE STORM LINES (SIZES VARY)

# SITE DEMO NOTES

- SEE SHEET C0.01 FOR ADDITIONAL DEMOLITION NOTES.
- 2. CONTRACTOR TO NOTIFY LANDSCAPE ARCHITECT OF ANY DISCREPANCIES BETWEEN PLAN AND FIELD CONDITIONS IMMEDIATELY UPON DISCOVERY.
- 3. CONTRACTOR TO COORDINATE WITH OWNER FOR STORAGE LOCATIONS FOR CONSTRUCTION MATERIALS TO BE SALVAGED.
- PRIOR TO BEGINNING DEMOLITION, ENSURE EROSION AND INLET PROTECTION ARE IN PLACE.
- 5. DISPOSE OF DEMOLISHED MATERIALS LEGALLY OFF SITE.
- 6. ANY DAMAGES TO EXISTING ITEMS TO REMAIN SHALL BE REPLACED BY CONTRACTOR AT NO ADDITIONAL COST TO OWNER.
- 7. SITE BOUNDARY SHALL BE FENCED WITH STANDARD STAKED ORANGE CONSTRUCTION FENCING.
- 8. ALL LIGHTING AND LIGHTING EQUIPMENT TO REMAIN SHALL BE PROTECTED IN PLACE WITH TREE PROTECTION FENCING PRIOR
- 9. A GEOTECHNICAL REPORT HAS BEEN PREPARED FOR THIS PROJECT BY GEOHYDRO ENGINEERS, DATED MAY 30, 2019. GEOHYDRO REPORT NO. 190367.20.
- 10. CONTRACTOR TO BACKFILL AND COMPACT ANY HOLES/VOIDS CAUSED BY DEMO WORK.
- 11. EXISTING UTILITIES MAY BE PRESENT THAT WERE NOT IDENTIFIED ON THE SURVEY. IF THE CONTRACTOR ENCOUNTERS ANY SUCH UTILITY, CONTRACTOR TO NOTIFY OWNER AND DESIGNER IMMEDIATELY. ANY UTILITIES IDENTIFIED TO BE CUT OFF SHALL BE REMOVED THE THE EXTENT NECESSARY FOR PROPOSED WORK, THEM CAPPED AND SEALED IN PLACE.

# **GENERAL BUILDING DEMOLITION NOTES**

- GENERAL INTENT IS TO DEMOLISH AND REMOVE EXISTING CONSTRUCTION AS NOTED AND AS REQUIRED FOR THE NEW DESIGN. COORDINATE THIS WORK WITH EXISTING CONDITIONS AND ALL CONTRACT DOCUMENTS.
- INTENT IS FOR ENTIRE BUILDING TO BE REMOVED IN ENTIRETY ROOF, INTERIOR AND EXTERIOR WALLS, DOORS, WINDOWS, ETC TO BE REMOVED. ALL FINISHES AND FURNISHINGS TO BE REMOVED. BUILDING FOUNDATION TO BE REMOVED AND BACKFILLED AND COMPACTED AS REQUIRED TO PROVIDE ACCEPTABLE SOILS FOR NEW CONSTRUCTION. CAP ALL UTILITIES TO REMAIN FOR FUTURE USE AS REQUIRED.
- (1) EXISTING ELECTRICAL SYSTEM TO BE REMOVED IN ENTIRETY (2) EXISTING PLUMBING SYSTEM TO BE REMOVED IN ENTIRETY. (3) EXISTING HVAC DUCTWORK TO BE REMOVED IN ENTIRETY
- C. THE CONTRACTOR SHALL VISIT PROJECT DURING BID PERIOD, ATTEND ALL PRE-BID CONFERENCES, AND BECOME FAMILIAR WITH THE ENTIRE SCOPE OF WORK. CONTRACTOR'S BID PROPOSAL SHALL BE BASED IN PART BY HIS OBSERVANCE OF ALL EXISTING CONDITIONS.

CONTRACTOR SHALL CLARIFY HIS BID TO INDICATE ANY AREAS THEY WERE NOT ABLE TO GAIN ACCESS TO VIEW **EXISTING CONDITIONS.** 

D. POOL WILL BE CLOSED DURING DEMOLITION AND CONSTRUCTION OF RENOVATION PROJECT. COORDINATE AND

SCHEDULE ALL WORK WITH OWNER AND BUILDING OFFICIALS, INCLUDING MAINTAINING OF ANY REQUIRED EXITING.

- E. THE CONTRACTOR SHALL BE ENTIRELY RESPONSIBLE FOR ALL SHORING, BRACING, SCAFFOLDING, ETC., AND THEIR STRENGTH AND ADEQUACY, PROPER USE, OPERATION, AND MAINTENANCE.
- UNLESS OTHERWISE DIRECTED, SHOWN, OR SPECIFIED, ALL MATERIALS AND EQUIPMENT REMOVED OR DEMOLISHED, EXCEPT THOSE NOTED TO BE SALVAGED OR RELOCATED, SHALL BECOME THE PROPERTY OF THE CONTRACTOR, AND SHALL BE REMOVED FROM THE PREMISES AND DISPOSED OF LEGALLY.
- G. CARE SHALL BE TAKEN TO AVOID DAMAGING OR DISTURBING EXISTING CONSTRUCTION WHICH IS INDICATED TO REMAIN. AT NO EXPENSE TO OWNER, CONTRACTOR SHALL MAKE ANY REPAIRS NECESSARY TO RECTIFY DAMAGE AND RESTORE EXISTING CONSTRUCTION TO UNDAMAGED STATE EXISTING PRIOR TO COMMENCEMENT OF WORK.
- H. EXISTING ELECTRICAL, PLUMBING, VENT, AND GAS LINES THAT ARE TO BE ABANDONED SHALL BE CAPPED IN WALLS OR UNDER FLOOR, OR AS NOTED IN PLAN DEMOLITION NOTES, OR AS REQUIRED BY CODE. PATCH DEMOLISHED AREAS FLUSH WITH ADJACENT SURFACES USING LIKE MATERIALS. REMOVE WIRING BACK TO PANEL.
- I. WHERE EXISTING ACTIVE ELECTRICAL EQUIPMENT, COMMUNICATION LINES, ETC. (THAT REMAIN) ARE ATTACHED TO WALLS THAT WILL BE REMOVED, REROUTE AND RE-SUPPORT LINES AS NECESSARY FOR TEMPORARY USE FOR PROPER INSTALLATION OF NEW CONSTRUCTION.
- VERIFY LOCATION OF ALL UNDERGROUND UTILITIES, SANITARY SEWERS, ELECTRICAL AND FOUNDATIONS, ETC. BEFORE COMMENCING ANY SAWCUTTING OR DIGGING.
- K. REFER TO REMAINDER OF CONTRACT DOCUMENTS FOR ADDITIONAL INFORMATION AND ADDITIONAL MISCELLANEOUS
- L. HAZARDOUS MATERIALS HAVE NOT BEEN IDENTIFIED IN THE EXISTING STRUCTURES.

ABATEMENT SERVICES.

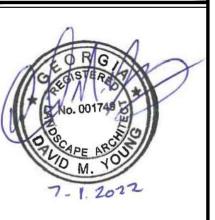
- 1. IT IS NOT EXPECTED THAT HAZARDOUS MATERIALS WILL BE ENCOUNTERED IN THE WORK.
- 2. IF HAZARDOUS MATERIALS ARE ENCOUNTERED OR IF MATERIALS SUSPECTED OF CONTAINING HAZARDOUS MATERIALS ARE ENCOUNTERED, DO NOT DISTURB; IMMEDIATELY NOTIFY ARCHITECT AND OWNER.
- 3. DECISION WILL BE MADE ON DIRECTION OF ABATEMENT:
- a. OPTION 1 HAZARDOUS MATERIALS WILL BE REMOVED BY OWNER UNDER A SEPARATE CONTRACT BY LICENSED CONTRACTOR FAMILIAR AND ALE TO PERFORM ALL REQUIRED HAZARDOUS MATERIALS ABATEMENT SERVICES. b. OPTION 2 - HAZARDOUS MATERIALS WILL BE REMOVED BY GENERAL CONTRACTOR UNDER A SEPARATE

CONTRACT BY LICENSED CONTRACTOR FAMILIAR AND ALE TO PERFORM ALL REQUIRED HAZARDOUS MATERIALS



SCALE: 1" = 100'

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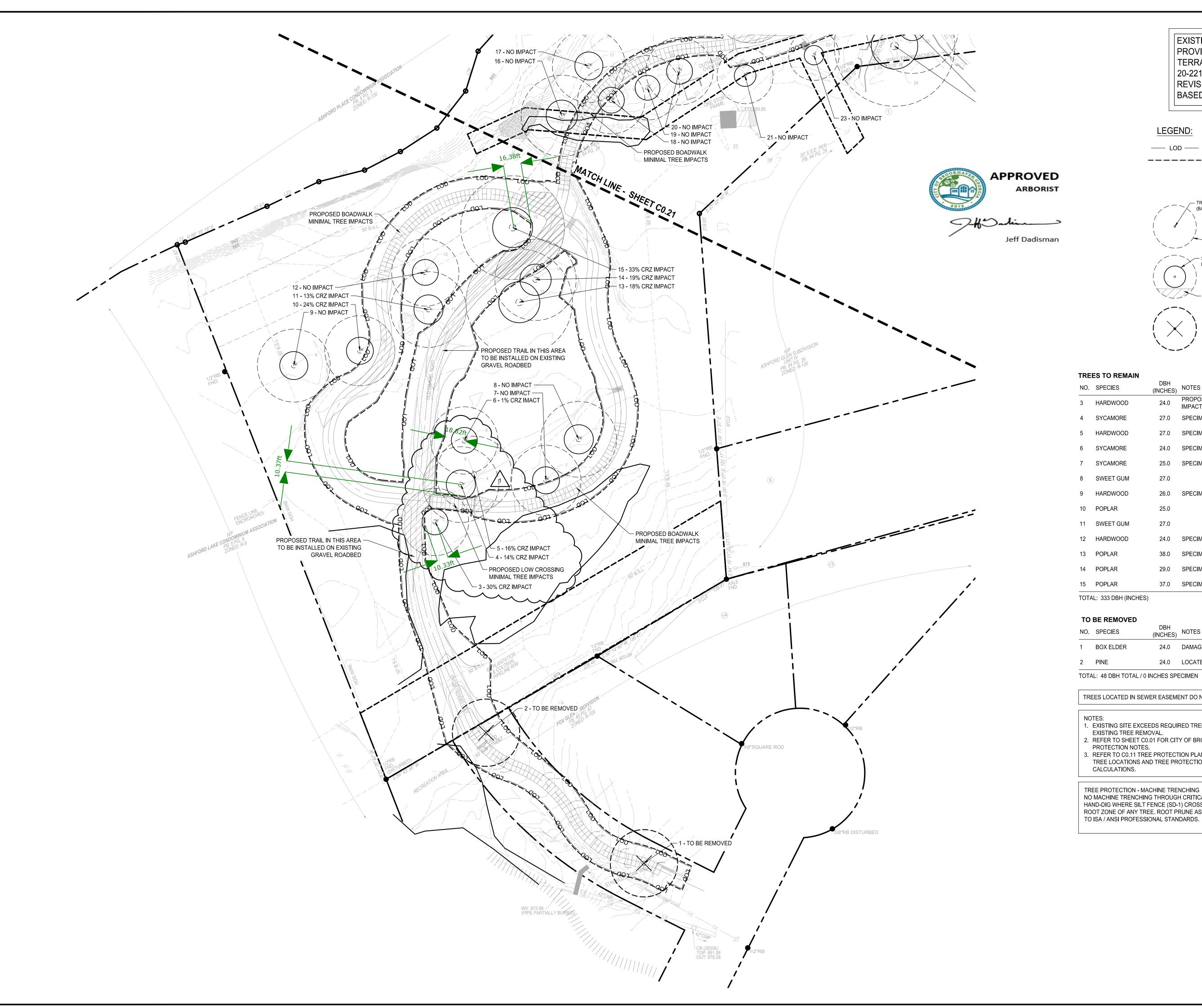
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DEMOLITION PLAN

07/01/2022 DRAWN BY MTC 1" = 100' CHECKED BY DMY SHEET NO.



EXISTING TREE INFORMATION WAS PROVIDED ON THE SURVEY, PREPARED BY TERRAMARK LAND SURVEYING INC., (NO. TM 20-221; DATE: 11-17-2020). REVISIONS TO LIST OF EXISTING TREES BASED ON FIELD VISIT.

# LEGEND:

— LOD —

LIMITS OF CONSTRUCTION/ DISTURBANCE

TREE PROTECTION FENCE, REF. 05/C4.01

EXISTING TREE TO BE REMOVED

EXISTING TREE TO REMAIN - NO IMPACT **ROOT ZONE** - STRUCTURAL **ROOT PLATE** EXISTING TREE TO REMAIN - CRZ IMPACT ZONE OF CRZ

PROPOSED TRAIL LOCATED IN EXISTING ROAD BED - MINIMAL 3 HARDWOOD IMPACT TO CRZ 27.0 SPECIMEN 5 HARDWOOD 27.0 SPECIMEN 24.0 SPECIMEN 25.0 SPECIMEN 8 SWEET GUM 27.0 26.0 SPECIMEN 9 HARDWOOD 11 SWEET GUM 27.0 12 HARDWOOD 24.0 SPECIMEN 38.0 SPECIMEN 29.0 SPECIMEN

DBH (INCHES) NOTES 1 BOX ELDER 24.0 DAMAGED TREE

24.0 LOCATED IN WORK AREA

TREES LOCATED IN SEWER EASEMENT DO NOT COUNT TOWARDS CALCULATIONS.

37.0 SPECIMEN

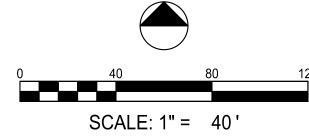
- 1. EXISTING SITE EXCEEDS REQUIRED TREE DENSITY AFTER
- EXISTING TREE REMOVAL.
- 2. REFER TO SHEET C0.01 FOR CITY OF BROOKHAVEN TREE PROTECTION NOTES.
- 3. REFER TO C0.11 TREE PROTECTION PLAN FOR PROPOSED TREE LOCATIONS AND TREE PROTECTION/ REPLACEMENT

TREE PROTECTION - MACHINE TRENCHING NO MACHINE TRENCHING THROUGH CRITICAL ROOT ZONE. HAND-DIG WHERE SILT FENCE (SD-1) CROSSES THE CRITICAL ROOT ZONE OF ANY TREE. ROOT PRUNE AS NEEDED ACCORDING



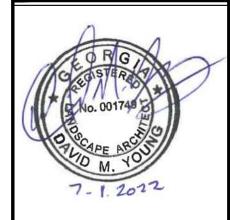
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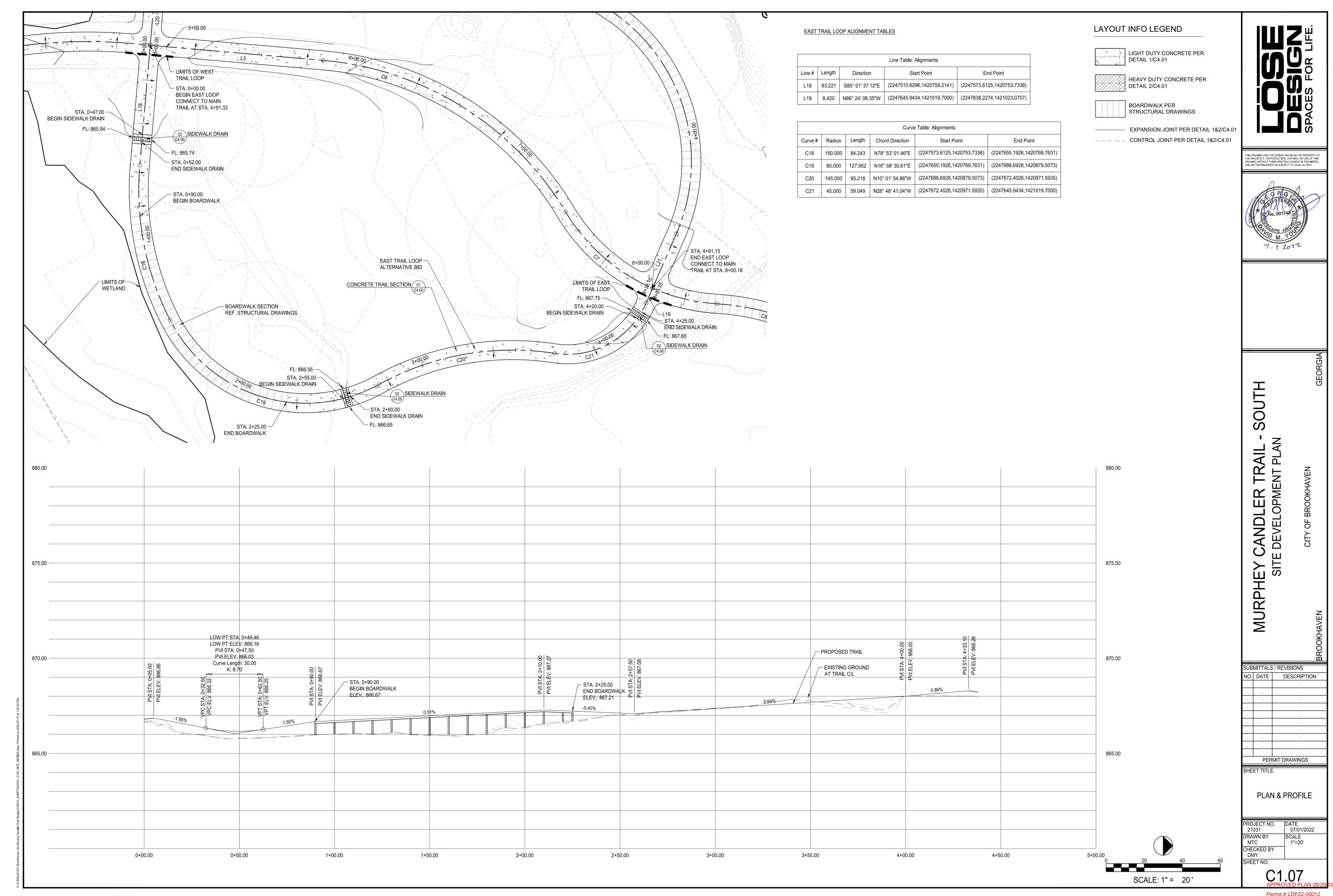
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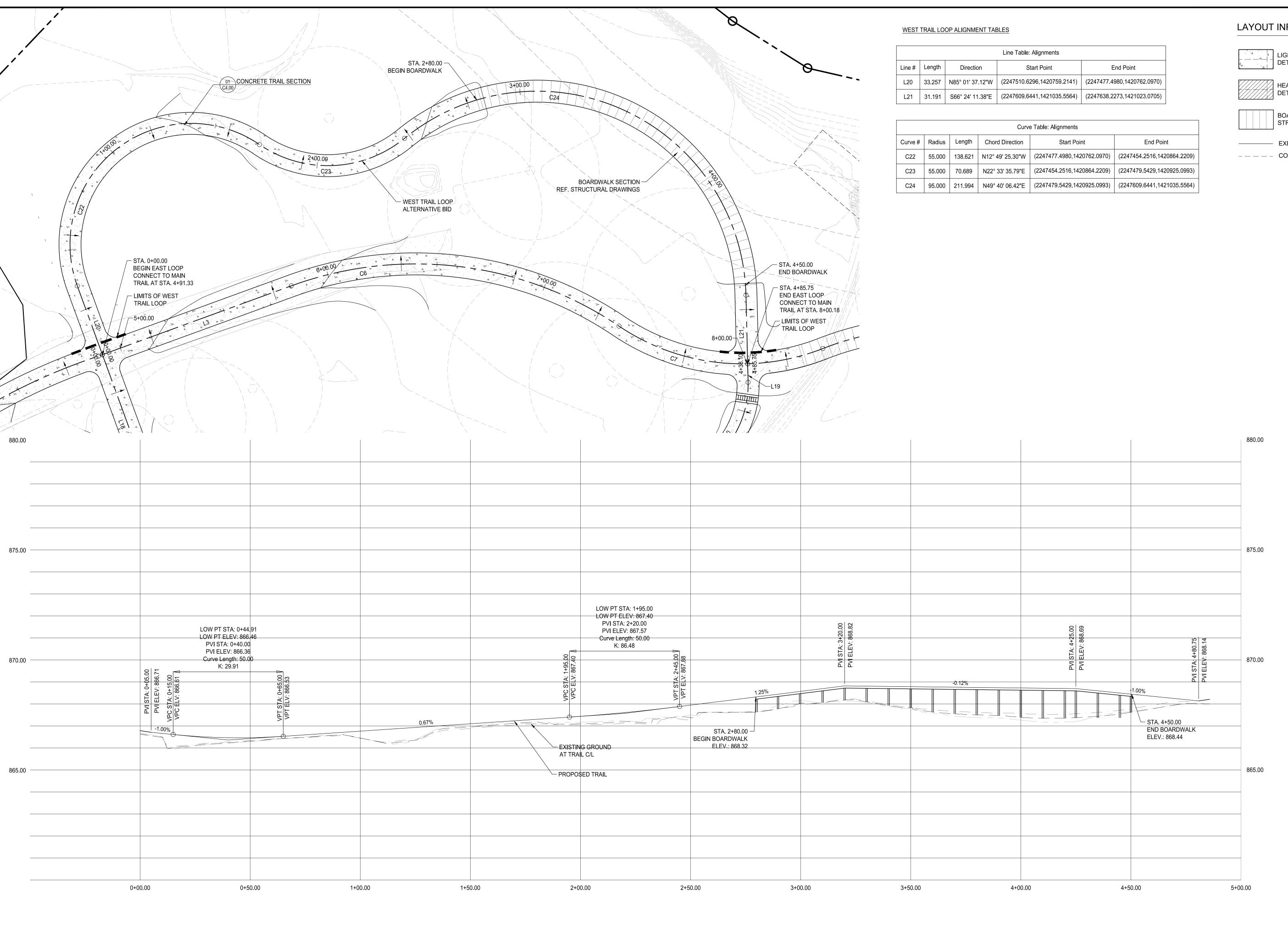
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SHEET TITLE

TREE PROTECTION PLAN

ROJECT NO. 21031	DATE 07/01/2022
RAWN BY MTC	SCALE 1" = 40'
HECKED BY DMY	
IEEE NIO	





LAYOUT INFO LEGEND

LIGHT DUTY CONCRETE PER DETAIL 1/C4.01



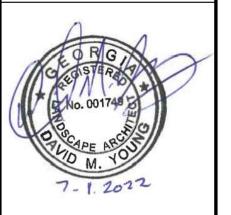
HEAVY DUTY CONCRETE PER DETAIL 2/C4.01



----- EXPANSION JOINT PER DETAIL 1&2/C4.01 \_ \_ \_ \_ \_ CONTROL JOINT PER DETAIL 1&2/C4.01



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SOUTH CANDLER TRAIL -

MURPHEY C SITE I

SUBMITTALS / REVISIONS NO. DATE DESCRIPTION

PERMIT DRAWINGS

PLAN & PROFILE

07/01/2022 DRAWN BY MTC 1"=20' CHECKED BY DMY SHEET NO.

SCALE: 1" = 20 '

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.

THE OWNER AGREES TO PROVIDE AND MAINTAIN OFF-STREET PARKING ON THE SUBJECT PROPERTY DURING THE ENTIRE CONSTRUCTION PERIOD.

NO STAGING AREAS, MATERIAL STORAGE, CONCRETE WASH OUT AREAS, OR DEBRIS BURN AND BURIAL HOLES SHALL BE LOCATED WITHIN 500 FEET OF DESIGNATED TREE PROTECTION AREAS OR STREAM BUFFERS, IF POSSIBLE.

A COPY OF THE APPROVED LAND DISTURBANCE PLAN AND PERMIT SHALL BE PRESENT ON THE SITE AT ALL TIMES.

THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND-DISTURBING ACTIVITIES.

PRIOR TO COMMENCING LAND DISTURBANCE ACTIVITY, THE LIMITS OF LAND DISTURBANCE SHALL BE CLEARLY AND ACCURATELY DEMARCATED WITH STAKES, RIBBONS, OR OTHER APPROPRIATE MEANS. THE LOCATION AND EXTENT OF ALL AUTHORIZED LAND DISTURBANCE ACTIVITIES SHALL BE DEMARCATED FOR THE DURATION OF THE CONSTRUCTION ACTIVITIES. NO LAND DISTURBANCE SHALL TAKE PLACE OUTSIDE THE APPROVED LIMITS INDICATED ON THE APPROVED PLANS.

PRIOR TO ANY OTHER CONSTRUCTION, A STABILIZED CONSTRUCTION ENTRANCE SHALL BE CONSTRUCTED AT EACH POINT OF ENTRY OR EXIT FROM THE SITE OR ONTO ANY PUBLIC ROADWAY.

THE FOLLOWING INITIAL EROSION CONTROL MEASURES SHALL BE IMPLEMENTED PRIOR TO ANY OTHER CONSTRUCTION ACTIVITIES.

1. THE CONSTRUCTION EXIT, CONSISTING OF A MINIMUM PAD SIZE OF 20 FEET BY 50 FEET WITH A MINIMUM OF 6" THICK STONE, SHALL BE PLACED AS SHOWN ON THE PLANS. THE STONE SIZE SHALL CONSIST OF COURSE AGGREGATE BETWEEN 1-1/2" & 3-1/2" IN DIAMETER AND OVERLAID ON A GEOTEXTILE UNDERLINER. THE GEOTEXTILE UNDERLINER SHALL MEET THE REQUIREMENTS OF AASHTO M266-96, SECTION 7.3 SEPARATION REQUIREMENTS.

2. IMMEDIATELY AFTER THE ESTABLISHMENT OF CONSTRUCTION ENTRANCE/EXIT ALL PERIMETER EROSION CONTROL AND STORM WATER MANAGEMENT DEVICES SHALL BE INSTALLED AS SHOWN ON THE CLEARING PHASE EROSION CONTROL PLAN.

3. TYPE 'C' SILT FENCE SHOULD BE INSTALLED AT THE PERIMETER OF THE DISTURBED AREA AS SHOWN ON THE PLAN. THE SILT FENCE SHOULD BE PLACED IN ACCORDANCE WITH THE MANUAL FOR EROSION CONTROL IN GEORGIA, TABLE 6-27.1. THE SILT FENCE SHOULD BE KEPT ERECT AT ALL TIMES AND REPAIRED WHEN REQUESTED BY THE SITE INSPECTOR OR THE PROJECT DESIGN PROFESSIONAL OF RECORD. SILT SHOULD BE REMOVED WHEN ACCUMULATION REACHES 1/2 HEIGHT OF BARRIER. THE PERIMETER SILT FENCE SHOULD BE INSPECTED DAILY FOR ANY FAILURES. ANY FAILURES OF SAID FENCING SHOULD BE REPAIRED IMMEDIATELY.

4. INLET SEDIMENT PROTECTION MEASURES SHALL BE INSTALLED ON ALL EXISTING STORM STRUCTURES AS SHOWN ON THE PLANS. SEE SEPARATE DETAIL FOR SPECIFICS ON TYPE OF INLET PROTECTION SPECIFIED.

5.STONE CHECK DAMS SHALL BE INSTALLED ON ALL EXISTING CONCENTRATED FLOWS AS SHOWN ON THE PLANS.

6. TREE PROTECTION FENCING SHOULD BE INSTALLED PRIOR TO THE START OF ANY LAND DISTURBANCE ACTIVITY AND MAINTAINED UNTIL FINAL LANDSCAPING IS INSTALLED. THE TREE PROTECTION FENCING SHOULD BE INSPECTED DAILY. ANY FAILURES OF SAID FENCING SHOULD BE REPAIRED IMMEDIATELY.

AFTER INSTALLATION OF INITIAL EROSION CONTROL MEASURES THE SITE CONTRACTOR SHALL SCHEDULE AN INSPECTION BY THE PROJECT DESIGN PROFESSIONAL. NO OTHER CONSTRUCTION ACTIVITIES SHALL OCCUR UNTIL THE PROJECT DESIGN PROFESSIONAL APPROVES THE INSTALLATION OF SAID EROSION CONTROL MEASURES. IF UNFORESEEN CONDITIONS EXIST IN THE FIELD THAT WARRANT CONSTRUCTION OF ADDITIONAL EROSION CONTROL MEASURES, THE CONTRACTOR MUST CONSTRUCT ANY ADDITIONAL EROSION CONTROL DEVICES DEEMED NECESSARY BY THE SITE INSPECTOR.

AFTER APPROVAL OF THE INITIAL EROSION CONTROL INSTALLATION, THE CONTRACTOR MAY PROCEED WITH CLEARING AND GRUBBING ACTIVITIES. AS CLEARING PERMITS THE CONTRACTOR SHALL CONSTRUCT TEMPORARY SEDIMENT PONDS AND DIVERSION DIKES AS SHOWN ON THE CLEARING PHASE PLAN TO CONTROL EROSION AND STORM WATER RUNOFF.

THE DESIGN PROFESSIONAL WHO PREPARED THE ESPC PLAN WILL INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROL BMP'S WITHIN SEVEN DAYS AFTER INSTALLATION.

THE CONTRACTOR CAN UTILIZE CLEARED TREES AS BARRIER BRUSH SEDIMENT CONTROL IN AREAS SHOWN ON PLAN WHERE INITIAL GRADING ACTIVITIES WILL NOT OCCUR.

NO BURN OR BURY PITS SHALL BE PERMITTED ON THE CONSTRUCTION SITE WITHOUT WRITTEN PERMISSION BY THE OWNER AND/OR THE ENGINEER OF RECORD.

ADDITIONAL SILT BARRIERS MUST BE PLACED AS SHOWN ON THE PLANS AS ACCESS IS OBTAINED DURING CLEARING. NO GRADING SHALL TAKE PLACE UNTIL SILT BARRIER INSTALLATION AND SEDIMENT PONDS ARE CONSTRUCTED AS SHOWN ON THE CLEARING PHASE EROSION CONTROL PLAN.

ALL SILT FENCE MUST MEET THE REQUIREMENTS OF SECTION 171-TEMPORARY SILT FENCE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF GEORGIA, STANDARD SPECIFICATIONS, 1983.

ALL ITEMS IN THIS SECTION OF THE SPECIFICATIONS SHALL MEET THE REQUIREMENTS AS SET FORTH IN SECTION 161, 162, 163, AND 164 OF GEORGIA D.O.T. STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES.

ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD OF GREATER THAN 7 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

ALL DISTURBED AREAS LEFT MULCHED AFTER 30 DAYS SHALL BE STABILIZED WITH TEMPORARY VEGETATION.

SEDIMENT AND EROSION CONTROL MEASURES SHOULD BE CHECKED AFTER EACH RAIN EVENT. EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED ONE HALF THE CAPACITY OF THE DEVICE. ADDITIONAL DEVICES MUST BE INSTALLED IF NEW CHANNELS HAVE DEVELOPED.

THE CONSTRUCTION EXIT SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACK OR FLOW OF MUD ONTO PUBLIC RIGHT-OF-WAY, THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 1-3 INCH STONE, AS CONDITIONS DEMAND. ALL MATERIAL SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO PUBLIC ROADWAY OR INTO STORM DRAIN MUST BE REMOVED IMMEDIATELY.

CONTRACTOR SHALL INSPECT CONTROL MEASURES AT THE END OF EACH WORKING DAY TO ENSURE MEASURES ARE FUNCTIONING PROPERLY.

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, OR AS DIRECTED BY THE EROSION CONTROL INSPECTOR.

FAILURE TO INSTALL, OPERATE, OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB UNTIL SUCH MEASURES ARE CORRECTED BACK TO THE APPROVED EROSION CONTROL PLAN.

THE SITE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTENANCE OF ALL EROSION CONTROL MEASURES INCLUDING REPLACING OR REPAIRING ANY DAMAGED DEVICES DUE TO ANY CONSTRUCTION ACTIVITY BY

ALL CLEARING AND GRUBBING DEBRIS TO BE CHIPPED AND MULCHED FOR USE IN SEDIMENT AND EROSION CONTROL PREVENTION.

# GRADING PHASE EROSION CONTROL NOTES

THE FOLLOWING EROSION CONTROL MEASURES SHALL BE IMPLEMENTED DURING THE PRELIMINARY GRADING PHASE OF CONSTRUCTION:

MAINTAIN FULL COORDINATION WITH THE DESIGN PROFESSIONAL, CONTRACTOR AND REGULATORY INSPECTOR AT ALL TIMES REGARDING PROJECT SEQUENCE.

DURING CONSTRUCTION, THE CONTRACTOR SHALL MAINTAIN CAREFUL SCHEDULING AND PERFORMANCE TO INSURE THAT LAND STRIPPED OF ITS NATURAL GROUND COVER IS EXPOSED ONLY IN SMALL QUANTITIES AND THEREFORE LIMITED DURATION, BEFORE PERMANENT EROSION PROTECTION IS ESTABLISHED. NOTE SUB PHASES SHOWN ON PLANS.

EARTHWORK OPERATIONS IN THE VICINITY OF STREAM BUFFERS SHALL BE CAREFULLY CONTROLLED TO AVOID DUMPING OR SLOUGHING INTO THE BUFFER AREAS.

SEDIMENT SHALL NOT BE WASHED INTO INLETS. IT SHALL BE REMOVED FROM THE SEDIMENT TRAPS AND DISPOSED OF AND STABILIZED SO THAT IT WILL NOT ENTER THE INLET AGAIN.

EROSION CONTROL DEVICES SHALL BE INSTALLED IMMEDIATELY AFTER GROUND DISTURBANCE OCCURS. THE LOCATION OF SOME OF THE EROSION CONTROL 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 RESPONSIBILITY OF THE CONTRACTOR TO ACCOMPLISH EROSION CONTROL FOR ALL DRAINAGE PATTERNS CREATED AT THE VARIOUS STAGES OF CONSTRUCTION. ANY DIFFICULTY IN CONTROLLING EROSION DURING ANY PHASE OF CONSTRUCTION SHALL BE REPORTED TO THE DESIGN PROFESSIONAL IMMEDIATELY.

THE CONTRACTOR SHALL FURNISH AND MAINTAIN ALL NECESSARY BARRICADES WHILE ROADWAY FRONTAGE IMPROVEMENTS ARE BEING MADE.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING BARRIERS AT THE TOE OF SLOPES UNDER CONSTRUCTION. THESE BARRIERS SHALL BE SHOWN IN THE PLANS. THESE BARRIERS MAY BE RELOCATED AND REUSED AFTER PERMANENT SLOPE STABILIZATION BECOMES FULLY ESTABLISHED. AS THEY ARE RELOCATED, ANY DEFECTIVE MATERIALS IN THE BARRIER SHALL BE REPLACED. IN ADDITION, ALL DEBRIS AND SILT AT THE PREVIOUS LOCATION SHALL BE REMOVED.

ALL SLOPES STEEPER THAN 2.5:1 AND WITH A HEIGHT OF 10FT OR GREATER, AND CUTS AND FILLS WITHIN STREAM BUFFERS, SHALL BE STABILIZED WITH APPROPRIATE EROSION CONTROL MATTING OR BLANKETS IMMEDIATELY.

TYPE "C" SILT FENCE SHALL BE PLACED AT THE TOE OF ALL DIRT STOCK PILE AREAS AND ALL FILL SLOPES 10FT OR GREATER IN HEIGHT. THE SILT FENCE SHALL BE MAINTAINED UNTIL PERMANENT GROUND COVER IS ESTABLISHED ON THE SLOPE. SILT SHALL BE REMOVED WHEN ACCUMULATION REACHES 1/2 HEIGHT OF THE BARRIER. ADDITIONALLY, DIVERSION DIKES SHALL BE SHALL BE CONSTRUCTED ALONG THE TOP OF ALL SAID FILL SLOPES WITH THE USE OF TEMPORARY DOWN DRAINS TO CONTROL STORMWATER RUNOFF AS SHOWN ON THE PLANS.

INLET SEDIMENT PROTECTION MEASURES SHALL BE INSTALLED ON ALL STORM STRUCTURES AS THEY ARE CONSTRUCTED. SEE PLAN VIEW FOR SPECIFIC TYPE AND SEPARATE DETAILS FOR ADDITIONAL INFORMATION ON TYPE OF INLET PROTECTION SPECIFIED.

STORM DRAIN OUTLET PROTECTION SHALL BE PLACED AT ALL OUTLET HEADWALLS AS SOON AS THE HEADWALL IS CONSTRUCTED. SEE SEPARATE DETAILS FOR ADDITIONAL INFORMATION.

STONE CHECK DAMS SHALL BE INSTALLED IN AREAS OF CONCENTRATED FLOWS AS SHOWN ON THE PLAN. SEE SEPARATE DETAIL FOR ADDITIONAL INFORMATION.

ALL DRAINAGE SWALES SHALL BE APPLIED WITH VEGETATIVE COVER AS SOON AS FINAL GRADE IS ACHIEVED.

ALL GRADED AREAS SHALL BE APPLIED WITH VEGETATIVE COVER AS SOON AS FINAL GRADE IS ACHIEVED.

ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD OF GREATER THAN 7 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

ALL DISTURBED AREAS LEFT MULCHED AFTER 30 DAYS SHALL BE STABILIZED WITH TEMPORARY

AFTER PRELIMINARY GRADING ACTIVITIES, THE CONTRACTOR SHALL CONSTRUCT TEMPORARY SEDIMENT BASINS AND DIVERSION DIKES AS SHOWN ON PLAN. THE CONTRACTOR SHALL MAINTAIN THE SEDIMENT POND UNTIL PERMANENT GROUND COVER IS ESTABLISHED. SEDIMENT SHALL BE CLEANED OUT OF THE PONDS WHEN IT REACHES THE 1/3 DEPTH OF BASIN. SEE SEPARATE DETAILS FOR ADDITIONAL INFORMATION.

SEDIMENT AND EROSION CONTROL MEASURES SHOULD BE CHECKED AFTER EACH RAIN EVENT. EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED ONE HALF THE CAPACITY OF THE DEVICE. ADDITIONAL DEVICES MUST BE INSTALLED IF NEW CHANNELS HAVE DEVELOPED. INDICATORS MUST BE INSTALLED IN SEDIMENT BASINS INDICATING THE 1/3 FULL VOLUME FOR CLEANOUT.

THE CONSTRUCTION EXIT SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACK OR FLOW OF MUD ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 1-3" OF STONE, AS CONDITIONS DEMAND. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLE ONTO PUBLIC ROADWAY OR INTO STORM DRAIN MUST BE REMOVED IMMEDIATELY.

CONTRACTOR SHALL INSPECT CONTROL MEASURES AT THE END OF EACH WORKING DAY TO ENSURE MEASURES ARE FUNCTIONING PROPERLY.

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, OR AS DIRECTED BY THE EROSION CONTROL INSPECTOR.

FAILURE TO INSTALL, OPERATE, OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB UNTIL SUCH MEASURES ARE CORRECTED BACK TO THE APPROVED EROSION CONTROL PLANS.

THE SITE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTENANCE OF ALL EROSION CONTROL MEASURES INCLUDING REPLACING OR REPAIRING ANY DAMAGED DEVICES DUE TO ANY CONSTRUCTION ACTIVITY BY OTHERS.

ALL INLET HEADWALLS TO BE PROTECTED WITH SILT GATES, AND ALL DROP INLETS TO BE UNDERCUT 1.5FT DEEP BY 10FT IN DIAMETER.

ERODED VEGETATED SLOPES WILL BE BACKFILLED, SMOOTHED, SEEDED OR GRASSED AND COVERED WITH GEOTEXTILE MATTING.

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

# FINAL PHASE EROSION CONTROL NOTES

THE FOLLOWING EROSION CONTROL MEASURES SHALL BE IMPLEMENTED DURING THE FINAL EROSION CONTROL PHASE OF CONSTRUCTION:

MAINTAIN FULL COORDINATION WITH THE DESIGN PROFESSIONAL, CONTRACTOR AND REGULATORY INSPECTOR AT ALL TIMES REGARDING PROJECT SEQUENCE.

SEDIMENT SHALL NOT BE WASHED INTO INLETS. IT SHALL BE REMOVED FROM THE SEDIMENT TRAPS AND DISPOSED OF AND STABILIZED SO THAT IT WILL NOT ENTER THE INLETS AGAIN.

ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD OF GREATER THAN 7 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

ALL DISTURBED AREAS LEFT MULCHED AFTER 30 DAYS SHALL BE STABILIZED WITH TEMPORARY GRASSING.

THE CONTRACTOR SHALL MAINTAIN ALL SEDIMENT PONDS AND EROSION CONTROL MEASURES UNTIL PERMANENT GROUND COVER IS ESTABLISHED. SEDIMENT SHALL BE CLEANED OUT OF THE PONDS WHEN IT REACHES THE HALF-WAY POINT ON THE RISER.

AFTER CURBING, GRADED AGGREGATE BASE, AND PAVEMENT HAVE BEEN INSTALLED, ALL INLET SEDIMENT TRAPS ON SINGLE AND DOUBLE WING CATCH BASINS ALONG WITH ANY CURB INLETS SHALL BE REMOVED AND REPLACED WITH CURB FILTER INLET PROTECTION. SEE SEPARATE DETAIL FOR ADDITIONAL INFORMATION.

ALL ROADWAY AND PARKING SHOULDERS SHOULD BE APPLIED WITH VEGETATIVE COVER AS SOON AS FINAL GRADE IS ACHIEVED BEHIND CURBS.

SEDIMENT AND EROSION CONTROL MEASURES SHOULD BE CHECKED AFTER EACH RAIN EVENT. EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED ONE-HALF THE CAPACITY OF THE DEVICE. ADDITIONAL DEVICES MUST BE INSTALLED IF NEW CHANNELS HAVE DEVELOPED.

THE CONSTRUCTION EXIT SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACK OR FLOW OF MUD ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 1-3" OF STONE, AS CONDITIONS DEMAND. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLE ONTO PUBLIC ROADWAY OR INTO STORM DRAIN MUST BE REMOVED IMMEDIATELY.

CONTRACTOR SHALL INSPECT CONTROL MEASURES AT THE END OF EACH WORKING DAY TO ENSURE MEASURES ARE FUNCTIONING PROPERLY.

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 AS DIRECTED BY THE ON-SITE INSPECTOR OR THE CIVIL ENGINEER.

ALL TEMPORARY SEDIMENT BASINS SHALL BE REMOVED WHEN THE DEVELOPMENT IS COMPLETE AND ALL DISTURBED AREAS HAVE BEEN STABILIZED WITH PERMANENT VEGETATION.

FAILURE TO INSTALL, OPERATE, OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB UNTIL SUCH MEASURES ARE CORRECTED BACK TO THE APPROVED EROSION CONTROL PLANS.

THE SITE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTENANCE OF ALL EROSION CONTROL MEASURES INCLUDING REPLACING OR REPAIRING ANY DAMAGED DEVICES DUE TO CONSTRUCTION ACTIVITY BY OTHERS.

ERODED VEGETATED SLOPES WILL BE BACKFILLED, SMOOTHED, SEEDED OR GRASSED AND COVERED WITH GEOTEXTILE MATTING.

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

UPON COMPLETION OF THE PROJECT AND RECEIPT OF CERTIFICATE OF OCCUPANCY, THE CONTRACTOR SHALL REMOVE ALL TEMPORARY EROSION CONTROL MEASURES AND DISPOSE OF THEM UNLESS NOTED ON PLANS.

# CRITICAL WORK ZONE EROSION CONTROL NOTES:

MATTING AS SPECIFIED ON THE EROSION CONTROL PLANS.

WHERE INDICATED, HATCHED AREAS SHOWN ON THE EROSION CONTROL PLANS MAY REPRESENT CRITICAL WORK ZONES. AT THE END OF EACH WORK DAY ALL SLOPES 2:1 OR STEEPER AND HIGHER THAN 5 FEET SHALL RECEIVE SURFACE ROUGHENING, POLYMERS, AND EROSION CONTROL MATTING. ADDITIONALLY, ALL FILL SLOPES SHALL RECEIVE A DIVERSION DIKE AND TEMPORARY DRAIN ALONG THE TOP OF THE SLOPE PREVENTING DRAINAGE SPILLING OVER THE EDGE AND DOWN THE FACE OF THE SLOPE. THE TEMPORARY DOWN DRAINS SHALL BE CONSTRUCTED WITH PERFORATED STAND PIPES AT THE TOP OF THE SLOPE AND RECONSTRUCTED EACH DAY AS THE SLOPE INCREASES IN HEIGHT. 3:1 SLOPES SHALL RECEIVE

# DESIGN PROFESSIONAL'S CERTIFICATION

(1) I CERTIFY THAT THE PERMITTEE'S EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN, PROVIDES FOR AN APPROPRIATE AND COMPREHENSIVE SYSTEM OF BEST MANAGEMENT PRACTICES REQUIRED BY THE GEORGIA WATER QUALITY CONTROL ACT AND THE DOCUMENT "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" (MANUAL) PUBLISHED BY THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION AS OF JANUARY 1 OF THE YEAR IN WHICH THE LAND-DISTURBING ACTIVITY WAS PERMITTED, PROVIDES FOR THE SAMPLING OF THE RECEIVING WATER(S) OR THE SAMPLING OF THE STORM WATER OUTFALLS AND THAT THE DESIGNED SYSTEM OF BEST MANAGEMENT PRACTICES AND SAMPLING METHODS IS EXPECTED TO MEET THE REQUIREMENTS CONTAINED IN THE GENERAL NPDES PERMIT NO. GAR 100001.

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

DESIGN PROFESSIONAL

DATE

GA REGISTRATION #

LEVEL II CERTIFICATION EXPIRES:

# NPDES PERMIT COVERAGE

THIS PLAN HAS BEEN PREPARED TO MEET THE REQUIREMENTS UNDER THE STATE OF GEORGIA, DEPARTMENT OF NATURAL RESOURCES, ENVIRONMENTAL PROTECTION DIVISION (EDP). GENERAL PERMIT NO. <u>GAR 100001</u>. FOR AUTHORIZATION TO DISCHARGE UNDER THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES). STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY FOR STAND ALONE DEVELOPMENTS.

AUTHORIZED DISCHARGES

 ALL DISCHARGES OF STORMWATER ASSOCIATED WITH CONSTRUCTION ACTIVITY THAT WILL RESULT IN LAND DISTURBANCE EQUAL TO OR GREATER THAN ONE ACRE. PART I.C.1.a-c.

2. ALL DISCHARGES COVERED BY THIS PERMIT SHALL BE COMPOSED ENTIRELY OF STORMWATER EXCEPT AS PROVIDED IN PART I.C.2 AND PART III.A.2 OF THE PERMIT.

PART III.A.1
3. AUTHORIZED MIXED STORMWATER DISCHARGES: PART I.C.2

A. THE INDUSTRIAL SOURCE OR ACTIVITY OTHER THAN CONSTRUCTION IS LOCATED ON THE SAME SITE AS THE CONSTRUCTION ACTIVITY AND IS AN INTEGRAL PART OF THE CONSTRUCTION ACTIVITY.

B. THE STORMWATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY FROM
THE AREAS OF THE SITE WHERE CONSTRUCTION ACTIVITIES ARE OCCURRING ARE
IN COMPLIANCE WITH THE TERMS OF THIS PERMIT.
 C. STORMWATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY FROM THE

AREAS OF THE SITE WHERE INDUSTRIAL ACTIVITY OTHER THAN CONSTRUCTION
ARE OCCURRING ARE COVERED BY A DIFFERENT NPDES GENERAL PERMIT OR
INDIVIDUAL PERMIT AUTHORIZING SUCH DISCHARGES AND THE DISCHARGES ARE IN
COMPLIANCE WITH A DIFFERENT NPDES PERMIT.

4. AUTHORIZED NON-STORMWATER DISCHARGES: PART III.A.2

A. FIRE FIGHTING ACTIVITIES

B. FIRE HYDRANT FLUSHING C. POTABLE WATER SOURCES INCLUDING WATER LINE FLUSHING

D. IRRIGATION DRAINAGE
E. AIR CONDITIONING CONDENSATE

F. SPRINGS G. UNCONTAMINATED GROUND WATER

H. FOUNDATION OR FOOTING DRAINS WHERE FLOWS ARE NOT CONTAMINATED WITH PROCESS MATERIALS OR POLLUTANTS

# LIMITATIONS ON COVERAGE PART I.C.3

1. THE FOLLOWING STORMWATER DISCHARGES FROM CONSTRUCTION SITES ARE NOT

AUTHORIZED BY THIS PERMIT:

A. STORMWATER DISCHARGES ASSOCIATED WITH AN INDUSTRIAL ACTIVITY THAT ORIGINATES FROM THE SITE AFTER CONSTRUCTION ACTIVITIES HAVE BEEN COMPLETED AND THE SITE HAS UNDERGONE FINAL STABILIZATION.

B. DISCHARGES THAT ARE MIXED WITH SOURCES OF NON-STORMWATER OTHER THAN

DISCHARGES THAT ARE IDENTIFIED IN PART II.A.2 OF THIS PERMIT AND THAT ARE IN COMPLIANCE WITH PART IV.D.6 (NON-STORMWATER DISCHARGES) OF THIS PERMIT.

C. STORMWATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY THAT ARE SUBJECT TO AN EXISTING NPDES INDIVIDUAL OR GENERAL PERMIT. SUCH DISCHARGES MAY BE AUTHORIZED UNDER THIS PERMIT AFTER AN EXISTING PERMIT EXPIRES PROVIDED THE EXISTING PERMIT DID NOT ESTABLISH NUMERIC

LIMITATIONS FOR SUCH DISCHARGES.

D. STORMWATER DISCHARGES FROM CONSTRUCTION SITES THAT THE DIRECTOR (EPD) HAS DETERMINED TO BE, OR MAY REASONABLY BE EXPECTED TO BE, CONTRIBUTING TO A VIOLATION OF A WATER QUALITY STANDARD.

2. WHERE A RELEASE CONTAINING A HAZARDOUS SUBSTANCE IN AN AMOUNT EQUAL TO OR IN EXCESS OF A REPORTING QUANTITY ESTABLISHED UNDER EITHER GEORGIA'S OIL OR HAZARDOUS MATERIAL SPILLS OR RELEASES ACT (O.C.G.A 12-14-2, ET SEQ.) 40 CFR 117 OR CFR 302 OCCURS DURING A 24 HOUR PERIOD, THE PERMITTEE IS REQUIRED TO NOTIFY THE FOLLOWING AGENCIES IN ACCORDANCE WITH THE ABOVE MENTIONED REGULATIONS AS SOON AS HE HAS KNOWLEDGE OF THE DISCHARGE: EPD AT (404)656-4883 OR (800) 241-4113 OR THE NATIONAL RESPONSE CENTER (NRC) AT 1-800-424-8802. PART III.B.1

3. THIS PERMIT DOES NOT AUTHORIZE THE DISCHARGE OF HAZARDOUS SUBSTANCES OR OIL RESULTING FROM AN ON-SITE SPILL. PART III.B.2

# WATER QUALITY COMPLIANCE PART I.C.4

PRIMARY PERMITTEE

(OWNER/OPERATOR)

ALL DISCHARGES AUTHORIZED BY THIS PERMIT SHALL NOT CAUSE VIOLATIONS OF GEORGIA'S IN-STREAM WATER QUALITY STANDARDS AS PROVIDED BY THE RULES AND REGULATIONS FOR WATER QUALITY CONTROL, CHAPTER 301-3-6-03.

# PRIMARY PERMITTEE'S (OWNER/OPERATOR) CERTIFICATION

(1) "I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN (PLAN) WAS PREPARED BY A DESIGN PROFESSIONAL, AS DEFINED BY THIS PERMIT THAT HAS COMPLETED THE APPROPRIATE CERTIFICATION COURSE APPROVED BY THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION IN ACCORDANCE WITH THE PROVISIONS OF O.C.G.A. 12-7-19 AND THAT I WILL ADHERE TO THE PLAN AND COMPLY WITH ALL PERMIT REQUIREMENTS."

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

DATE

PRIMARY PERMITTEE / OWNER CONTACT:
BRIAN BORDEN
CITY OF BROOKHAVEN
3360 OSBORNE ROAD
BROOKHAVEN, GA 30319
PHONE: 404.637.0562

24-HR. EMERGENCY CONTACT:
BRIAN BORDEN - 404.637.0562
BRIAN.BORDEN@BROOKHAVENGA.GOV

# NPDES PERMIT COVERAGE

SEE SHEET C2.10 FOR SAMPLING LOCATIONS.

SAMPLING METHODOLOGY PART IV.D.6

All SAMPLING SHALL BE COLLECTED BY "GRAB SAMPLES" AND THE ANALYSIS OF THESE SAMPLES MUST BE CONDUCTED IN ACCORDANCE WITH METHODOLOGY AND TEST PROCEDURES ESTABLISHED BY 40 CFR PART 136 (UNLESS OTHER TEST PROCEDURES HAVE BEEN APPROVED). THE GUIDANCE DOCUMENT TITLED "NPDES STORMWATER 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.

SAMPLES SHALL BE WELL MIXED BEFORE TRANSFERRING TO A SECONDARY CONTAINER.

3. LARGE MOUTH, WELL CLEANED AND RINSED GLASS OR PLASTIC JARS SHALL 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 THE PERMIT MUST BE REPORTED TO EPD AS SPECIFIED IN PART IV.E.

SAMPLING FREQUENCY

SAMPLING FREQUENCY SHALL OCCUR IN ACCORDANCE WITH PART IV.D.6.D OF THE PERMIT.

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

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

A. FOR EACH AREA OF THE SITE THAT DISCHARGES TO A RECEIVING WATER OR FROM AN OUTFALL, THE FIRST RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH WITH A STORM WATER DISCHARGE THAT OCCURS DURING NORMAL BUSINESS HOURS AS DEFINED IN THIS PERMIT AFTER ALL CLEARING AND GRUBBING OPERATIONS HAVE BEEN COMPLETED, BUT PRIOR TO COMPLETION OF MASS GRADING OPERATIONS, IN THE DRAINAGE AREA OF THE LOCATION SELECTED AS

THE SAMPLING LOCATION;
B. IN ADDITION TO (A) ABOVE, FOR EACH AREA OF THE SITE THAT DISCHARGES TO A RECEIVING WATER OR FROM AN OUTFALL, THE FIRST RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH WITH A STORM WATER DISCHARGE THAT OCCURS DURING NORMAL BUSINESS HOURS AS DEFINED IN THIS PERMIT EITHER 90 DAYS AFTER THE FIRST SAMPLING EVENT OR AFTER ALL MASS GRADING OPERATIONS HAVE BEEN COMPLETED, BUT PRIOR TO SUBMITTAL OF A NOT, IN THE DRAINAGE AREA OF THE LOCATION SELECTED AS THE SAMPLING

LOCATION, WHICHEVER COMES FIRST;
C. AT THE TIME OF SAMPLING PERFORMED PURSUANT TO (A) AND (B)
ABOVE, IF BMPS IN ANY AREA OF THE SITE THAT DISCHARGES TO A
RECEIVING WATER OR FROM AN OUTFALL ARE NOT PROPERLY
DESIGNED, INSTALLED AND MAINTAINED CORRECTIVE ACTION SHALL
BE DEFINED AND IMPLEMENTED WITHIN TWO (2) BUSINESS DAYS, AND
TURBIDITY SAMPLES SHALL BE TAKEN FROM DISCHARGES FROM THAT
AREA OF THE SITE FOR EACH SUBSEQUENT RAIN EVENT THAT
REACHES OR EXCEEDS 0.5 INCH DURING NORMAL BUSINESS HOURS\*
UNTIL THE SELECTED TURBIDITY STANDARD IS ATTAINED, OR UNTIL
POST-STORM EVENT INSPECTIONS DETERMINE THAT BMPS ARE
PROPERLY DESIGNED, INSTALLED AND MAINTAINED:

D. WHERE SAMPLING PURSUANT TO (A), (B) OR (C) ABOVE IS REQUIRED BUT NOT POSSIBLE (OR NOT REQUIRED BECAUSE THERE WAS NO DISCHARGE), THE PERMITTEE, IN ACCORDANCE WITH PART IV.D.4.A.(6), MUST INCLUDE A WRITTEN JUSTIFICATION IN THE INSPECTION REPORT OF WHY SAMPLING WAS NOT PERFORMED. PROVIDING THIS JUSTIFICATION DOES NOT RELIEVE THE PERMITTEE OF ANY SUBSEQUENT SAMPLING OBLIGATIONS UNDER (A), (B) OR (C) ABOVE:

SUBSEQUENT SAMPLING OBLIGATIONS UNDER (A), (B) OR (C) ABOVE; 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 3.A. AND 3.B. BY COLLECTING TURBIDITY SAMPLES FROM ANY RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH AND ALLOWS FOR SAMPLING AT ANY TIME OF THE DAY OR WEEK.

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



listy

ASATO MASUYAMA, CERTIFIED DESIGN PROFESSIONAL

DESIGN SPACES FOR LIFE.

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ELOPMENT PLAN

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PERMIT DRAWINGS

ECT NO. | DATE | 07/01/2022

21031 07/01/2022

DRAWN BY SCALE N.T.S.

CHECKED BY SHEET NO.

APPROVED PLAN 09/2
Permit # LDP22-00012

# NPDES PERMIT COVERAGE (CONTINUED)

# STORM WATER SAMPLING

# SAMPLE ANALYSIS

STORM WATER SAMPLES ARE TO BE ANALYZED IN ACCORDANCE WITH METHODOLOGY AND TEST PROCEDURES ESTABLISHED BY 40CFR PART 136 AND THE GUIDANCE DOCUMENT TITLES NPDES STORM WATER SAMPLING GUIDANCE DOCUMENT EPA 833-B-92-001.

STORM WATER IS TO BE SAMPLED FOR NEPHELOMETRIC TURBIDITY UNITS (NTU) AT 2 OUTFALL LOCATIONS INDICATED ON SHEET C3.04. A DISCHARGE OF STORM WATER RUNOFF FROM DISTURBED AREAS WHERE BEST MANAGEMENT PRACTICES HAVE NOT BEEN PROPERLY DESIGNED. INSTALLED. AND MAINTAINED SHALL CONSTITUTE A SEPARATE VIOLATION FOR EACH DAY ON WHICH SUCH CONDITION RESULTS IN THE TURBIDITY OF THE DISCHARGE EXCEEDS THE VALUE THAT WAS SELECTED FROM APPENDIX B IN PERMIT NUMBER GAR 100001. THE NTU IS BASED UPON THE TOTAL PROJECT AREA OF 3.02 ACRES OF THE PROJECT SITE. THE SURFACE WATER DRAINAGE AREA OF BETWEEN 10.00 - 24.99 SQ. MILES. AND RECEIVING WATER WHICH SUPPORTS WARM WATER FISHERIES.

### NTU VALUE= 200

# SAMPLE TYPE

ALL SAMPLING SHALL BE COLLECTED BY "GRAB SAMPLES" AND THE ANALYSIS OF THESE SAMPLES MUST BE CONDUCTED IN ACCORDANCE WITH METHODOLOGY AND TEST PROCEDURES ESTABLISHED BY 40CFR PART 136 (UNLESS OTHER TEST PROCEDURES HAVE BEEN APPROVED); THE GUIDANCE DOCUMENT TITLED "NPDES STORM WATER SAMPLING GUIDANCE DOCUMENT, EPA 833-B-92-001" AND GUIDANCE DOCUMENTS THAT MAY BE PREPARED BY THE EPD.

- SAMPLE CONTAINERS SHOULD BE LABELED PRIOR TO COLLECTING THE SAMPLES.
- SAMPLES SHOULD BE WELL MIXED BEFORE TRANSFERRING TO A SECONDARY CONTAINER.
- LARGE MOUTH, WELL CLEANED AND RINSED GLASS OR PLASTIC JARS SHOULD BE USED FOR COLLECTING SAMPLES. THE JARS SHOULD BE CLEANED THOROUGHLY TO AVOID CONTAMINATION.
- MANUAL, 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.
- 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

### **SAMPLING POINTS**

THERE ARE 2 SAMPLING LOCATION AS INDICATED ON SHEET C3.04 AND SEE POINT TABLE ON C3.04 FOR COORDINATES. PER NPDES PERMIT GAS 100001, FOR CONSTRUCTION ACTIVITIES. THE PRIMARY PERMITTEE MUST COMPLETE ALL SAMPLING.

- CARE SHOULD BE TAKEN TO AVOID STIRRING THE BOTTOM SEDIMENTS IN THE RECEIVING WATER(S) OR IN THE OUTFALL
- STREAM WATER CHANNEL THE SAMPLING CONTAINER SHOULD BE HELD SO THAT THE OPENING FACES UPSTREAM.
- THE SAMPLINGS SHOULD BE KEPT FREE FROM FLOATING DEBRIS.
- THE PRIMARY PERMITTEE DOES NOT HAVE TO SAMPLE SHEET FLOW INTO UNDISTURBED NATURAL AREAS OR AREAS STABILIZED BY THE PROJECT.

# SAMPLING FREQUENCY

# SEE NOTES ON SHEET C3.04.

# REPORTING

- 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 THE 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 STORM WATER 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.
- 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.
- 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 THE 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 NO QUALIFYING EVENTS OCCURRED WITHIN A MONTHLY MONITORING PERIOD. A REPORT MUST BE SUBMITTED STATING SUCH. ADDRESSES ARE PROVIDED BELOW:

GOVERNING AGENCY: CITY OF BROOKHAVEN 3360 OSBORNE ROAD

BROOKHAVEN, GA 30319 PHONE: 404.637.0562

OWNER: CITY OF BROOKHAVEN ATTN: INSPECTOR: TBD 3360 OSBORNE ROAD ADDRESS: TBD BROOKHAVEN, GA 30319 ADDRESS: TBD PHONE: 404.637.0562 PHONE: TBD

# RETENTION OF RECORDS

- 1. THE PRIMARY PERMITTEE SHALL RETAIN THE FOLLOWING RECORDS AT THE CONSTRUCTION SITE OR THE RECORDS SHALL BE READILY AVAILABLE AT A DESIGNATED ALTERNATE LOCATION FROM COMMENCEMENT OF CONSTRUCTION UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART VI:
- A. A COPY OF ALL NOTICES OF INTENT SUBMITTED TO EPD;
- B. A COPY OF THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN REQUIRED BY THIS PERMIT: C. THE DESIGN PROFESSIONAL'S REPORT OF THE RESULTS OF THE INSPECTION CONDUCTED IN ACCORDANCE WITH PART IV.A.5.
- OF THIS PERMIT: D. A COPY OF ALL SAMPLING INFORMATION, RESULTS, AND REPORTS REQUIRED BY THIS PERMIT;
- E. A COPY OF ALL INSPECTION REPORTS GENERATED IN ACCORDANCE WITH PART IV.D.4.A. OF THIS PERMIT;
- F. A COPY OF ALL VIOLATION SUMMARIES AND VIOLATION SUMMARY REPORTS GENERATED IN ACCORDANCE WITH PART III.D.2. OF THIS PERMIT: AND
- G. DAILY RAINFALL INFORMATION COLLECTED IN ACCORDANCE WITH PART IV.D.4.A.(2). OF THIS PERMIT.
- 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 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.

# COMPLIANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS

THE CONTRACTOR WILL OBTAIN COPIES OF ANY AND ALL LOCAL AND STATE REGULATIONS THAT ARE APPLICABLE TO STORM WATER MANAGEMENT, EROSION CONTROL, AND POLLUTION MINIMIZATION AT THIS JOB SITE AND WILL COMPLY FULLY WITH SUCH REGULATIONS. THE CONTRACTOR WILL SUBMIT WRITTEN EVIDENCE OF SUCH COMPLIANCE IF REQUESTED BY THE OWNER OR ANY AGENT OF A REGULATORY BODY. THE CONTRACTOR WILL COMPLY WITH ALL CONDITIONS OF ANY AND ALL LOCAL, STATE AND FEDERAL AGENCIES HAVE GOVERNING AUTHORITY, INCLUDING THE CONDITIONS RELATED TO MAINTAINING THE ESPCP AND EVIDENCE OF COMPLIANCE WITH THE ESPCP AT THE JOB SITE AND ALLOWING REGULATORY PERSONNEL ACCESS TO THE JOB SITE AND TO RECORDS IN ORDER TO DETERMINE

THIS VEGETATIVE PLAN WILL BE CARRIED OUT ON ROAD CUT AND FILL SLOPES, SHOULDERS AND CRITICAL AREAS CREATED BY CONSTRUCTION. SEEDING WILL BE DONE AS SOON AS CONSTRUCTION IN AN AREA IS COMPLETED. PLANTINGS WILL BE MADE TO CONTROL EROSION, TO REDUCE DAMAGES FROM SEDIMENT AND RUNOFF TO DOWNSTREAM AREAS AND TO IMPROVE THE SAFETY AND BEAUTY OF THE DEVELOPMENT AREA.

# SOIL CONDITIONS

DUE TO GRADING AND CONSTRUCTION, THE AREAS TO BE TREATED ARE MAINLY SUBSOIL SUBSTRATA. FERTILITY IS LOW AND THE PHYSICAL CHARACTERISTICS OF THE EXPOSED MATERIAL AREA UNFAVORABLE TO ALL BUT THE MOST HARDY PLANTS.

### TREATMENT SPECIFICATIONS

# CONVENTIONAL SEEDING EQUIPMENT

GRADE, SHAPE AND SMOOTH WHERE NEEDED TO PROVIDE FOR SAFE EQUIPMENT OPERATION AT SEEDING TIME AND FOR MAINTENANCE PURPOSES. THE LIME AND FERTILIZER IN DRY FORM WILL BE SPREAD UNIFORMLY OVER THE AREA IMMEDIATELY BEFORE SEEDBED PREPARATION. A SEEDBED WILL BE PREPARED BY SCARIFYING TO A DEPTH OF 1 TO 4 INCHES AS DETERMINED ON SITE. THE SEEDBED MUST BE WELL PULVERIZED, SMOOTHED AND FIRMED. SEEDING WILL BE DONE WITH CULTIPACKER-SEEDER, DRILL, ROTARY SEEDER OR OTHER MECHANICAL OR HAND SEEDER. SEED WILL BE DISTRIBUTED UNIFORMLY OVER A FRESHLY PREPARED SEEDBED AND COVERED LIGHTLY. WITHIN 24 HOURS AFTER SEEDING, STRAW OR HAY MULCH WILL BE SPREAD UNIFORMLY OVER THE AREA, LEAVING ABOUT 25 PERCENT OR THE GROUND SURFACE EXPOSED. MULCH WILL BE SPREAD WITH BLOWER-TYPE MULCH EQUIPMENT OR BY HAND AND ANCHORED IMMEDIATELY AT IT IS SPREAD. A DISK HARROW WITH THE DISK SET OR A SPECIAL PACKER DISK MAY BE USED TO PRESS THE MULCH INTO THE SOIL. THE PER ACRE APPLICATION RATES ARE AS FOLLOWS:

# A. SEEDING WITH MULCH:(CONVENTIONAL SEEDING EQUIPMENT ON SLOPES LESS THAN 3:1)

AGRICULTURAL LIMESTONE FERTILIZER, 5-10-15 MULCH, STRAW OR HAY		4000 LBS./ACRE 1500 LBS./ACRE 5000 LBS./ACRE
SEEDING SPECIES HULL COMMON BERMUDA GRASS	APPLICATION RATE/ACRE 10 LBS.	PLANTING DATES 3/1-6/15
HOLE COMMON BENWOODA CINACO	TO EBO.	3/1-0/13
FESCUE	50 LBS.	9/1-10/31
FESCUE RYE GRASS	50 LBS. 50 LBS.	11/1-2/28
HAY MULCH FOR TEMP. COVER	5000 LBS.	6/15-8/31
B. TOP DRESSING: APPLY WHEN PLANTS	ARE 2 TO 4 INCHES TALL	

FERTILIZER(AMMONIUM NITRATE 33.5%) C. SECOND-YEAR FERTILIZER: (5-10-15 OR EQUIVALENT)

SURFACE EXPOSED. THE PER ACRE APPLICATION RATES ARE AS FOLLOWS:

SEEDING SPECIES

WHEN HYDRAULIC SEEDING AND FERTILIZING EQUIPMENT IS USED, NO GRADING AND SHAPING OR SEEDBED PREPARATION WILL BE REQUIRED. THE FERTILIZER, SEED AND WOOD CELLULOSE FIBER WILL BE MIXED WITH WATER AND APPLIED IN A SLURRY. ALL SLURRY INGREDIENTS MUST BE COMBINED TO FORM A HOMOGENEOUS MIXTURE. AND

300 LBS./ACRE

800 LBS./ACRE

PLANTING DATES

SPREAD UNIFORMLY OVER THE AREA WITHIN ONE HOUR AFTER MIXTURE IS MADE. STRAW OR HAY MULCH AND ASPHALT EMULSION WILL BE APPLIED WITH BLOWER-TYPE MULCH SPREADING EQUIPMENT WITHIN 24 HOURS AFTER SEEDING. THE MULCH WILL BE SPREAD UNIFORMLY OVER THE AREA, LEAVING ABOUT 25 PERCENT OF THE GROUND

### A. SEEDING WITH MULCH: (HYDRAULIC SEEDING EQUIPMENT ON SLOPES LESS THAN 3:1 AND STEEPER) AGRICULTURAL LIMESTONE #75 4000 LBS./ACRE FERTILIZER, 5-10-15 1500 LBS./ACRE MULCH. (STRAW OR HAY) OR 5000 LBS./ACRE WOOD CELLULOSE FIBER MULCH 1000 LBS./ACRE

APPLICATION RATE/ACRE

WEEPING GRASS OR COMMON BERMUDA, HULLED	60 LBS. 4 LBS. 6 LBS.	3/1-6/15
FESCUE SERICEA LESPEDEZA, UNSCARIFIED	40 LBS. 60 LBS.	9/1-10/31
FESCUE SERICEA LESPEDEZA, UNSCARIFIED RYE	40 LBS. 75 LBS. 50 LBS.	11/1-2/28
HAY MULCH FOR TEMPORARY COVER	5000 LBS.	6/15-8/31
B. <u>TOP DRESSING:</u> APPLY WHEN PLANTS ARE FERTILIZER (AMMONIUM NITRATE 33.5%)		3000 LBS./ACRE
C. <u>SECOND-YEAR FERTILIZER:</u> (0-20-20 OR EQI	UIVALENT)	500 LBS./ACRE

# GENERAL NOTES PER EROSION, SEDIMENTATION & POLLUTION CONTROL (ES&PC) PLAN CHECKLIST:

- THE DESIGN PROFESSIONAL WHO PREPARED THE ES&PC PLAN WILL INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROL BMPS WITHIN SEVEN DAYS AFTER INSTALLATION.
- 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.
- 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.
- WASTE MATERIALS SHALL NOT BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.
- THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH LAND-DISTURBING ACTIVITIES.
- 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.
- ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

# GENERAL NOTES:

- 1. AFTER CONSTRUCTION, EROSION AND SEDIMENTATION WILL BE MANAGED BY STABILIZED LOT CONSISTING OF PAVED DRIVES, GRASSING, AND LANDSCAPING.
- 2. MINIMIZING WIND EROSION AND CONTROLLING DUST WILL BE ACCOMPLISHED BY ONE OR MORE OF THE FOLLOWING METHODS:
- COVERING 30% OR MORE OF THE SOIL SURFACE WITH NON-ERODIBLE MATERIAL
- ROUGHENING THE SOIL TO PRODUCE RIDGES PERPENDICULAR TO THE PREVAILING WIND
- FREQUENT WATERING OF EXCAVATION AND FILL AREAS
- PROVIDING GRAVEL OR PAVING AT ENTRANCE/ EXIT DRIVES
- 10. EROSION CONTROL AND TREE PROTECTION MEASURES SHALL BE INSTALLED PRIOR TO ANY OTHER CONSTRUCTION ACTIVITY AND MAINTAINED UNTIL PERMANENT GROUND COVER IS ESTABLISHED.
- 11. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES WILL BE INSTALLED IF DEEMED NECESSARY BY THE ONSITE INSPECTOR
- 12. EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES TO BE INSPECTED DAILY.
- 13. CUT AND FILL SLOPES SHALL NOT EXCEED 3H:1V ON RESIDENTIAL PROJECTS AND LOTS, AND LOTS SHALL NOT EXCEED 2H:1V ON ALL OTHER PROJECTS.
- 14. WEEKLY EROSION AND SEDIMENT CONTROL REPORTS SHALL BE SUBMITTED TO THE CITY ENGINEER STARTING WITH THE ISSUANCE OF THE LDP AND ENDING WHEN THE PROJECT IS RELEASED BY THE INSPECTOR.
- 15. INSPECTIONS BY QUALIFIED PERSONNEL PROVIDED BY THE PRIMARY PERMITTEE AND THE ASSOCIATED RECORDS SHALL BE KEPT ON SITE IN COMPLIANCE WITH GAR 100001.
- 16. ALL SEWER EASEMENTS DISTURBED MUST BE DRESSED AND GRASSED TO CONROL EROSION.
- 17. THE CONSTRUCTION OF THE SITE WILL INITIATE WITH THE INSTALLATION OF EROSION CONTROL MEASURES SUFFICIENT TO CONTROL SEDIMENT DEPOSITS AND EROSION. ALL SEDIMENT CONTROL WILL BE MAINTAINED UNTIL ALL UPSTREAM GROUND WITHIN THE CONSTRUCTION AREA HAS BEEN COMPLETELY STABILIZED WITH STABILIZED WITH PERMANENT VEGETATION AND ALL ROAD/DRIVEWAYS HAVE BEEN PAVED.

# **ON-SITE BUILDING MATERIALS:**

BUILDING MATERIALS AND BUILDING PRODUCTS WILL BE COVERED WITH PLASTIC SHEETING SECURED OVER THE MATERIALS OR PER MANUFACTURER'S RECOMMENDATION. ALL BUILDING MATERIALS, BUILDING PRODUCTS, CONSTRUCTION WASTE, TRASH, LANDSCAPE MATERIALS, FERTILIZERS, PESTICIDES, HERBICIDES, DETERGENTS, SANITARY WASTE, AND OTHER MATERIALS SHALL BE COVERED AND NOT IN DIRECT CONTACT WITH THE GROUND TO MINIMIZE EXPOSURE TO PRECIPITATION AND TO STORMWATER.

# DESIGN PROFESSIONAL 7-DAY VISIT CERTIFICATION:

DATE OF INSPECTION I CERTIFY THE SITE WAS IN COMPLIANCE WITH THE ES&PC PLAN ON THE DATE OF INSPECTION.

**GSWCC LEVEL II DESIGN PROFESSIONAL CERTIFICATION #** INSPECTION REVEALED THE FOLLOWING DISCREPANCIES FROM THE ES&PC PLAN.

THESE DISCREPANCIES MUST BE ADDRESS IMMEDIATELY AND A REINSPECTION SCHEDULED. WORK SHALL NOT PROCEED ON SITE UNTIL THE DESIGN PROFESSIONAL CERTIFICATION IS OBTAINED.

# APPENDIX B

# **Nephelometric Turbidity Unit (NTU) TABLES**

# Cold Water (Trout Stream)

Surface Water Drainage Area, square miles

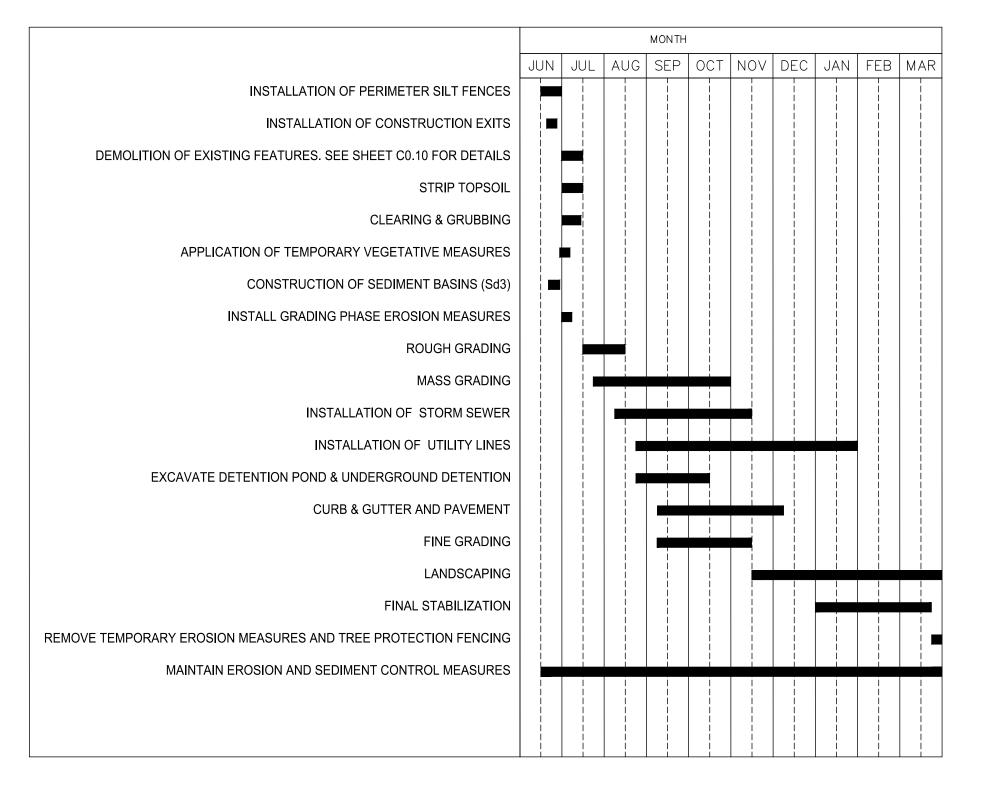
		0-4.99	5-9.99	10-24.99	25-49.99	50-99.99	100-249.99	250-499.99	500+
	1.00-10	25	50	75	150	300	500	500	500
0 0.	10.01-25	25	25	50	75	150	200	500	500
Site Size, acres	25.01-50	25	25	25	50	75	100	300	500
	50.01-100	20	25	25	35	59	75	150	300
	100.01+	20	20	25	25	25	50	60	100

# Warm Water (Supporting Warm Water Fisheries)

Surface Water Drainage Area, square miles

		0-4.99	5-9.99	10-24.99	25-49.99	50-99.99	100-249.99	250-499.99	500+
	1.00-10	75	150	200	400	750	750	750	750
0.11.6	10.01-25	50	100	100	200	300	500	750	750
Site Size, acres	25.01-50	50	50	100	100	200	300	750	750
	50.01-100	50	50	50	100	100	150	300	600
	100.01+	50	50	50	50	50	100	200	100

To use these tables, select the size (acres) of the construction site. Then, select the surface water drainage area (square miles). The NTU matrix value arrived at from the above tables is the one to use in Part III.D.4.



ANTICIPATED CONSTRUCTION SCHEDULE START DATE: 06/2021 END DATE: 03/2021

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



ASATO MASUYAMA, CERTIFIED DESIGN PROFESSIONAL

PRIMARY PERMITTEE / OWNER CONTACT BRIAN BORDEN CITY OF BROOKHAVEN 3360 OSBORNE RD BROOKHAVEN, GA 30319 PHONE: 404.637.0562 24-HR. EMERGENCY CONTACT: BRIAN BORDEN - 404.637.0562

BRIAN.BORDEN@BROOKHAVENGA.GOV

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UBMITTALS / REVISIONS IO. DATE DESCRIPTION

PERMIT DRAWINGS **ESPC NOTES** 

DRAWN BY

07/01/2022 N.T.S. CHECKED BY SHEET NO.

I. ALL PHASE 1 PRACTICES TO BE COMPLETED PRIOR TO ANY OTHER LAND DISTURBANCE ACTIVITIES. PHASE 2 PRACTICES TO BE IMPLEMENTED AS NEEDED DURING CONSTRUCTION. PHASE 3 PRACTICES TO BE IMPLEMENTED AS SOON AS CONSTRUCTION IS COMPLETE ON DIFFERENT ASPECTS OF THE PROJECT, NOT AT END OF ALL CONSTRUCTION ACTIVITIES FOR ENTIRE SITE.

2. ALL TEMPORARY EROSION CONTROL MEASURES ARE TO BE REMOVED FROM SITE AT COMPLETION OF PROJECT OR WHEN CONTRIBUTING DRAINAGE AREA ACHIEVES FINAL STABILIZATION. STORM DRAIN OUTLET PROTECTION TO REMAIN IN PERMANENT CONDITION. ALL OTHER EROSION CONTROL MEASURES ON THIS SHEET ARE TEMPORARY.

MAP SYMBOL	CODE	PRACTICE	CALLOUT(S)
	Co	CONSTRUCTION EXIT	01 C3.40
— §F ——	Sd1-S	SEDIMENT BARRIER (SENSITIVE AREA)	©2 C3.40
	Ds1	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)	V 05 C3.40
	Ds2	DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)	V 06 C3.40
	Ds3	DISTURBED AREA STABILIZATION (WITH PERMANENT SEEDING)	01 C3.41
	Du	DUST CONTROL ON DISTURBED AREAS	V 04 C3.40

NRCS SOILS TYPE LEGEND

PuE

CARTECAY SILT LOAM, FREQUENTLY FLOODED TOCCOA SANDY LOAM, 0 TO 2 % SLOPES, FREQUENTLY FLOODED URBAN LAND

PACOLET-URBAN LAND COMPLEX, 10 TO 25 % SLOPES

# DESIGNER GSWCC LEVEL II

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



ASATO MASUYAMA, CERTIFIED DESIGN PROFESSIONAL

FLOODPLAIN NOTE: THIS SITE IS LOCATED WITHIN A ZONE AS DEFINED BY FIRM

SEDIMENT BASINS, RETROFIT OR EXCAVATED INLET WERE NOT USED BECAUSE THE ARE NO EXISTING OR PROPOSED BASINS OR INLETS WITHIN THE DISTURBED AREA.

CONSTRUCTION OF TEMPORARY EXCAVATIONS WILL RESULT IN

BROOKHAVEN, DeKALB COUNTY, GEORGIA (AUGUST 15, 2019).

COMMUNITY PANEL NUMBER 13089C0012K FOR CITY OF

ADDITIONAL SERVICES AND REMOVAL OF TREES. CONSTRUCTION ADDRESS: MURPHEY CANDLER PARK 1551 WEST NANCY CREEK DR ATLANTA, GA 30319

> PRIMARY PERMITTEE / OWNER CONTACT: BRIAN BORDEN CITY OF BROOKHAVEN 3360 OSBORNE ROAD BROOKHAVEN, GA 30319 PHONE: 404.637.0562

24-HR. EMERGENCY CONTACT: BRIAN BORDEN - 404,637,0562 BRIAN.BORDEN@BROOKHAVENGA.GOV

EXISTING USE: MUNICIPAL PARK PROPOSED USE: MUNICIPAL PARK

SHADE THE GROUND, REDUCE EROSION, AND CONSERVE SOIL MOISTURE.

TOTAL PROJECT AREA: ± 1,602,679-SF, ± 36.79-AC TOTAL DISTURBED AREA: ± 131,546-SF, ± 3.02-AC

# LAYOUT NOTES:

BE STRAIGHT AND TRUE.

SEE SHEET C0.01 FOR GENERAL NOTES.

SEE ARCHITECTURAL SHEETS FOR BUILDING. INSTALL JOINTS WHERE SHOWN TO ALIGN TO WALLS, BUILDINGS, RADII, ETC. EVENLY SPACE BETWEEN ELEMENTS AS SHOWN. PROVIDE EXPANSION JOINTS BETWEEN CONCRETE PAVEMENT AND VERTICAL ELEMENTS (WALL, CURBS, ETC.). ALL JOINTS TO

4. LAYOUT ALL CURVES SMOOTHLY WITH NO ABRUPT CHANGES AT TANGENT POINTS.

ALL CURBS ARE DIMENSIONED TO THE FACE OF CURB. 6. CONTRACTOR TO TAKE ALL PRECAUTIONS TO FIND AND AVOID SITE UTILITIES. ALL UTILITIES ARE NOT SHOWN ON DRAWING. VERIFY LOCATIONS AND CONSIDER SUCH WHEN ESTIMATING.

7. ALL PAVEMENT MARKING AND TRAFFIC CONTROL DEVICES SHALL BE INSTALLED PER THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). LATEST EDITION. 8. ALL PAVEMENT MARKINGS TO BE THERMOPLASTIC, UNLESS OTHERWISE NOTED.

9. ALL ANGLES ARE 90° UNLESS OTHERWISE NOTED. 10. ALL RADIUS ARE 5' UNLESS OTHERWISE NOTED.

# DOUBLE LAYER W/ MULCH Ds1 Du Ds1 Dú Ds1 Ds1 Du Du DOUBLE LAYER W/ MULCH Ds1 Du DOUBLE LAYER SEEDING NOTE THIS CONTRACT: NOTE: IF AREAS ARE NOT TO BE PLANTED WITH OTHER MATERIAL (SEE LANDSCAPE PLANS) SEED TO BE BERMUDA GRASS @ 75 LBS/AC. IF SEEDING OCCURS OCT. - FEB., USE TEMPORARY THERE ARE DELINEATED ON-SITE WETLANDS WITHIN 200 SEEDING OF ANNUAL RYEGRASS @ 49 LBS/AC, TO BE FOLLOWED WITH BERMUDA MAR. - SEPT... $\sim\sim\sim\sim$ FEET OF THE PROJECT SITE APPLY STRAW MULCH, LIME, & FERTILIZER AS FOLLOWS. AN UNNAMED TRIBUTARY OF NANCY CREEK IS THE APPENDIX 1 REQUIREMENT RECEIVING WATERS FOR THIS SITE 4FT X 8FT SIGN W/ FOLLOWING INFORMATION SEED ALL DISTURBED AREAS (BOTH THOSE FROM PREVIOUS GRADING OPERATIONS, AND THE SITE IS LOCATED WITHIN 1-MILE FROM AN IMPAIRED CONSTRUCTION SITE DISTURBANCES DURING THIS CONTRACT) NOT RECEIVING SPRIGGING OR SODDING (SEE STREAM SEGMENT PRIMARY PERMITTEE LANDSCAPE PLANS) AS A PART OF THIS CONTRACT. THESE AREAS INCLUDE OPEN AREAS, 3. 24 HOUR CONTACT (W/ PHONE NUMBER) DETENTION BASINS, AREAS OF FUTURE PAVING, PARKING LOTS, & ROADS. SEED SPECIES 4. PERMITEE HOSTED WEBSITE WHERE PLANS CAN BE VIEWED DEPEND UPON DATE OF COMPLETION. SIGN MUST REMAIN ON SITE AND PLAN MUST BE AVAILABE ON WEBSITE UNTIL NOT HAS BEEN SUBMITTED UNIFORMLY SPREAD AGRICULTURAL LIME ON THE GROUND AT THE APPROXIMATE RATE Ds3 DETERMINED BY THE LABORATORY SOIL TEST. UNIFORMLY SPREAD THE FERTILIZER SELECTED OVER THE GROUND AT APPROXIMATELY 1,200 LBS/ACRE (1350 KG/HA). IF USING A HIGHER ANALYSIS FERTILIZER WITH HYDROSEEDING, APPLY IT AT THE SAME RATE PER ACRE (HECTARE) AS THE STANDARD FERTILIZER. EVENLY APPLY STRAW MULCH IMMEDIATELY AFTER SEEDING BETWEEN 3/4 IN AND 1-1/2 IN (20 MM and 40 MM) DEEP, ACCORDING TO THE TEXTURE AND MOISTURE CONTENT OF THE MULCH MATERIAL. MULCH SHALL ALLOW SUNLIGHT TO PENETRATE AND AIR TO CIRCULATE AS WELL AS

DOUBLE LAYER

# **CLEARING PHASE EROSION CONTROL NOTES**

ACTIVITIES.

PRIOR TO THE LAND DISTURBING CONSTRUCTION THE CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH THE AREA SITE DEVELOPMENT INSPECTOR.

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.

THE OWNER AGREES TO PROVIDE AND MAINTAIN OFF-STREET PARKING ON THE SUBJECT PROPERTY DURING THE ENTIRE CONSTRUCTION PERIOD.

NO STAGING AREAS, MATERIAL STORAGE, CONCRETE WASH OUT AREAS, OR DEBRIS BURN AND BURIAL HOLES SHALL BE LOCATED WITHIN 500 FEET OF DESIGNATED TREE PROTECTION AREAS OR STREAM BUFFERS, IF POSSIBLE.

A COPY OF THE APPROVED LAND DISTURBANCE PLAN AND PERMIT SHALL BE PRESENT ON THE SITE AT ALL

THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND-DISTURBING

PRIOR TO COMMENCING LAND DISTURBANCE ACTIVITY. THE LIMITS OF LAND DISTURBANCE SHALL BE CLEARLY AND ACCURATELY DEMARCATED WITH STAKES, RIBBONS, OR OTHER APPROPRIATE MEANS. THE LOCATION AND EXTENT OF ALL AUTHORIZED LAND DISTURBANCE ACTIVITIES SHALL BE DEMARCATED FOR THE DURATION OF THE CONSTRUCTION ACTIVITIES. NO LAND DISTURBANCE SHALL TAKE PLACE OUTSIDE THE APPROVED LIMITS INDICATED ON THE APPROVED PLANS.

PRIOR TO ANY OTHER CONSTRUCTION, A STABILIZED CONSTRUCTION ENTRANCE SHALL BE CONSTRUCTED AT EACH POINT OF ENTRY OR EXIT FROM THE SITE OR ONTO ANY PUBLIC ROADWAY.

THE FOLLOWING INITIAL EROSION CONTROL MEASURES SHALL BE IMPLEMENTED PRIOR TO ANY OTHER CONSTRUCTION ACTIVITIES.

- 1. THE CONSTRUCTION EXIT, CONSISTING OF A MINIMUM PAD SIZE OF 20 FEET BY 50 FEET WITH A MINIMUM OF 6" THICK STONE, SHALL BE PLACED AS SHOWN ON THE PLANS. THE STONE SIZE SHALL CONSIST OF COURSE AGGREGATE BETWEEN 1-1/2" & 3-1/2" IN DIAMETER AND OVERLAID ON A GEOTEXTILE UNDERLINER. THE GEOTEXTILE UNDERLINER SHALL MEET THE REQUIREMENTS OF AASHTO M266-96, SECTION 7.3 SEPARATION REQUIREMENTS.
- 2. IMMEDIATELY AFTER THE ESTABLISHMENT OF CONSTRUCTION ENTRANCE/EXIT ALL PERIMETER EROSION CONTROL AND STORM WATER MANAGEMENT DEVICES SHALL BE INSTALLED AS SHOWN ON THE CLEARING PHASE EROSION CONTROL PLAN.
- 3. TYPE 'C' SILT FENCE SHOULD BE INSTALLED AT THE PERIMETER OF THE DISTURBED AREA AS SHOWN ON THE PLAN. THE SILT FENCE IS TO BE 30" IN HEIGHT. THE SILT FENCE SHOULD BE PLACED IN ACCORDANCE WITH THE MANUAL FOR EROSION CONTROL IN GEORGIA, TABLE 6-27.1. THE SILT FENCE SHOULD BE KEPT ERECT AT ALL TIMES AND REPAIRED WHEN REQUESTED BY THE SITE INSPECTOR OR THE PROJECT DESIGN PROFESSIONAL OF RECORD. SILT SHOULD BE REMOVED WHEN ACCUMULATION REACHES 1/2 HEIGHT OF BARRIER. THE PERIMETER SILT FENCE SHOULD BE INSPECTED DAILY FOR ANY FAILURES. ANY FAILURES OF SAID FENCING SHOULD BE REPAIRED IMMEDIATELY.
- 4. INLET SEDIMENT PROTECTION MEASURES SHALL BE INSTALLED ON ALL EXISTING STORM STRUCTURES AS SHOWN ON THE PLANS. SEE SEPARATE DETAIL FOR SPECIFICS ON TYPE OF INLET
- 5. STONE CHECK DAMS SHALL BE INSTALLED ON ALL EXISTING CONCENTRATED FLOWS AS SHOWN ON THE PLANS.
- 6. TREE PROTECTION FENCING SHOULD BE INSTALLED PRIOR TO THE START OF ANY LAND DISTURBANCE ACTIVITY AND MAINTAINED UNTIL FINAL LANDSCAPING IS INSTALLED. THE TREE PROTECTION FENCING SHOULD BE INSPECTED DAILY. ANY FAILURES OF SAID FENCING SHOULD BE REPAIRED IMMEDIATELY.

AFTER INSTALLATION OF INITIAL EROSION CONTROL MEASURES THE SITE CONTRACTOR SHALL SCHEDULE AN INSPECTION BY THE PROJECT DESIGN PROFESSIONAL. NO OTHER CONSTRUCTION ACTIVITIES SHALL OCCUR UNTIL THE PROJECT DESIGN PROFESSIONAL APPROVES THE INSTALLATION OF SAID EROSION CONTROL MEASURES. IF UNFORESEEN CONDITIONS EXIST IN THE FIELD THAT WARRANT CONSTRUCTION OF ADDITIONAL EROSION CONTROL MEASURES, THE CONTRACTOR MUST CONSTRUCT ANY ADDITIONAL EROSION CONTROL DEVICES DEEMED NECESSARY BY THE SITE INSPECTOR.

AFTER APPROVAL OF THE INITIAL EROSION CONTROL INSTALLATION, THE CONTRACTOR MAY PROCEED WITH CLEARING AND GRUBBING ACTIVITIES. AS CLEARING PERMITS THE CONTRACTOR SHALL CONSTRUCT TEMPORARY SEDIMENT PONDS AND DIVERSION DIKES AS SHOWN ON THE CLEARING PHASE PLAN TO CONTROL EROSION AND STORM WATER RUNOFF.

THE DESIGN PROFESSIONAL WHO PREPARED THE ESPC PLAN WILL INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROL BMP'S WITHIN SEVEN DAYS AFTER

THE CONTRACTOR CAN UTILIZE CLEARED TREES AS BARRIER BRUSH SEDIMENT CONTROL IN AREAS SHOWN ON PLAN WHERE INITIAL GRADING ACTIVITIES WILL NOT OCCUR.

NO BURN OR BURY PITS SHALL BE PERMITTED ON THE CONSTRUCTION SITE WITHOUT WRITTEN PERMISSION BY THE OWNER AND/OR THE ENGINEER OF RECORD.

ADDITIONAL SILT BARRIERS MUST BE PLACED AS SHOWN ON THE PLANS AS ACCESS IS OBTAINED DURING CLEARING. NO GRADING SHALL TAKE PLACE UNTIL SILT BARRIER INSTALLATION AND SEDIMENT PONDS ARE CONSTRUCTED AS SHOWN ON THE CLEARING PHASE EROSION CONTROL PLAN.

ALL SILT FENCE MUST MEET THE REQUIREMENTS OF SECTION 171-TEMPORARY SILT FENCE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF GEORGIA, STANDARD SPECIFICATIONS, 1983.

ALL ITEMS IN THIS SECTION OF THE SPECIFICATIONS SHALL MEET THE REQUIREMENTS AS SET FORTH IN SECTION 161, 162, 163, AND 164 OF GEORGIA D.O.T. STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES.

ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD OF GREATER THAN 7 DAYS SHALL BE STABILIZED

ALL DISTURBED AREAS LEFT MULCHED AFTER 30 DAYS SHALL BE STABILIZED WITH TEMPORARY VEGETATION.

WITH MULCH OR TEMPORARY SEEDING.

SEDIMENT AND EROSION CONTROL MEASURES SHOULD BE CHECKED AFTER EACH RAIN EVENT. EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED ONE HALF THE CAPACITY OF THE DEVICE. ADDITIONAL DEVICES MUST BE INSTALLED IF NEW CHANNELS HAVE DEVELOPED.

THE CONSTRUCTION EXIT SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACK OR FLOW OF MUD ONTO PUBLIC RIGHT-OF-WAY, THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 1-3 INCH STONE, AS CONDITIONS DEMAND. ALL MATERIAL SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO PUBLIC ROADWAY OR INTO STORM DRAIN MUST BE REMOVED IMMEDIATELY.

CONTRACTOR SHALL INSPECT CONTROL MEASURES AT THE END OF EACH WORKING DAY TO ENSURE MEASURES ARE FUNCTIONING PROPERLY.

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, OR AS DIRECTED BY THE EROSION CONTROL INSPECTOR.

FAILURE TO INSTALL, OPERATE, OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB UNTIL SUCH MEASURES ARE CORRECTED BACK TO THE APPROVED EROSION CONTROL PLAN.

THE SITE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTENANCE OF ALL EROSION CONTROL MEASURES INCLUDING REPLACING OR REPAIRING ANY DAMAGED DEVICES DUE TO ANY CONSTRUCTION ACTIVITY BY OTHERS.

ALL CLEARING AND GRUBBING DEBRIS TO BE CHIPPED AND MULCHED FOR USE IN SEDIMENT AND EROSION CONTROL PREVENTION.

HE ARCHITECT. REPRODUCTION, COPYING, OR USE OF THIS RAWING WITHOUT THEIR WRITTEN CONSENT IS PROHIBITED ND ANY INFRINGEMENT IS SUBJECT TO LEGAL ACTION.



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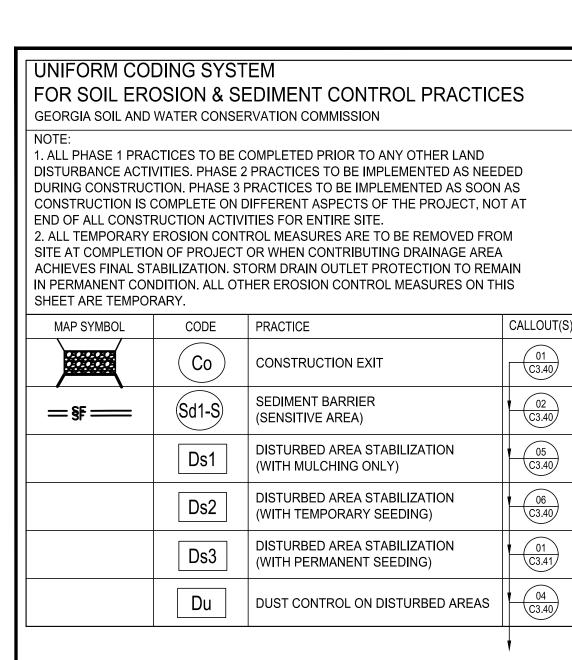
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PERMIT DRAWINGS

**ESPC INITIAL PHASE** 

07/01/2022 DRAWN BY CHECKED BY

SHEET NO.



# NRCS SOILS TYPE LEGEND

CARTECAY SILT LOAM, FREQUENTLY FLOODED TOCCOA SANDY LOAM, 0 TO 2 % SLOPES, FREQUENTLY FLOODED URBAN LAND

PACOLET-URBAN LAND COMPLEX, 10 TO 25 % SLOPES

# DESIGNER GSWCC LEVEL II

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



ASATO MASUYAMA, CERTIFIED DESIGN PROFESSIONAL

FLOODPLAIN NOTE: THIS SITE IS LOCATED WITHIN A ZONE AS DEFINED BY FIRM COMMUNITY PANEL NUMBER 13089C0012K FOR CITY OF BROOKHAVEN, DeKALB COUNTY, GEORGIA (AUGUST 15, 2019).

> CONSTRUCTION ADDRESS: MURPHEY CANDLER PARK 1551 WEST NANCY CREEK DR ATLANTA, GA 30319

PRIMARY PERMITTEE / OWNER CONTACT: BRIAN BORDEN CITY OF BROOKHAVEN 3360 OSBORNE ROAD BROOKHAVEN, GA 30319 PHONE: 404.637.0562

24-HR. EMERGENCY CONTACT: BRIAN BORDEN - 404.637.0562 BRIAN.BORDEN@BROOKHAVENGA.GOV

EXISTING USE: MUNICIPAL PARK PROPOSED USE: MUNICIPAL PARK TOTAL PROJECT AREA: ± 1,602,679-SF, ± 36.79-AC

TOTAL DISTURBED AREA: ± 131,546-SF, ± 3.02-AC

# LAYOUT NOTES:

BE STRAIGHT AND TRUE.

SEE SHEET C0.01 FOR GENERAL NOTES.

SEE ARCHITECTURAL SHEETS FOR BUILDING. INSTALL JOINTS WHERE SHOWN TO ALIGN TO WALLS, BUILDINGS, RADII, ETC. EVENLY SPACE BETWEEN ELEMENTS AS SHOWN. PROVIDE EXPANSION JOINTS BETWEEN CONCRETE PAVEMENT AND VERTICAL ELEMENTS (WALL, CURBS, ETC.). ALL JOINTS TO

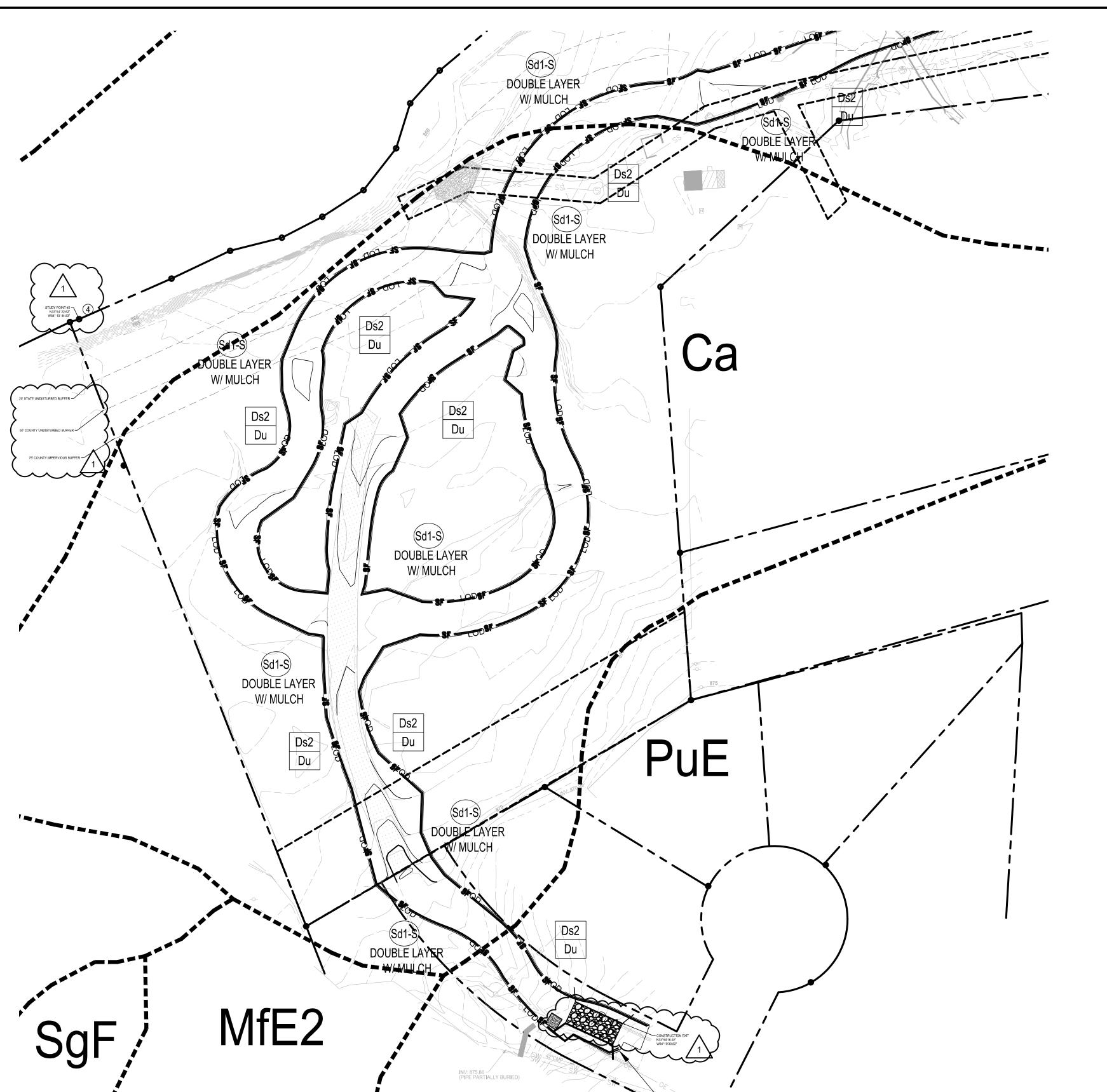
4. LAYOUT ALL CURVES SMOOTHLY WITH NO ABRUPT CHANGES AT TANGENT POINTS. ALL CURBS ARE DIMENSIONED TO THE FACE OF CURB.

6. CONTRACTOR TO TAKE ALL PRECAUTIONS TO FIND AND AVOID SITE UTILITIES. ALL UTILITIES ARE NOT SHOWN ON DRAWING. VERIFY LOCATIONS AND CONSIDER SUCH WHEN ESTIMATING.

7. ALL PAVEMENT MARKING AND TRAFFIC CONTROL DEVICES SHALL BE INSTALLED PER THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). LATEST EDITION.

9. ALL ANGLES ARE 90° UNLESS OTHERWISE NOTED.

8. ALL PAVEMENT MARKINGS TO BE THERMOPLASTIC, UNLESS OTHERWISE NOTED. MATERIAL. MULCH SHALL ALLOW SUNLIGHT TO PENETRATE AND AIR TO CIRCULATE AS WELL AS SHADE THE GROUND, REDUCE EROSION, AND CONSERVE SOIL MOISTURE. 10. ALL RADIUS ARE 5' UNLESS OTHERWISE NOTED.



# SEEDING NOTE THIS CONTRACT:

NOTE: IF AREAS ARE NOT TO BE PLANTED WITH OTHER MATERIAL (SEE LANDSCAPE PLANS) SEED TO BE BERMUDA GRASS @ 75 LBS/AC. IF SEEDING OCCURS OCT. - FEB., USE TEMPORARY SEEDING OF ANNUAL RYEGRASS @ 49 LBS/AC, TO BE FOLLOWED WITH BERMUDA MAR. - SEPT.. APPLY STRAW MULCH, LIME, & FERTILIZER AS FOLLOWS.

SEED ALL DISTURBED AREAS (BOTH THOSE FROM PREVIOUS GRADING OPERATIONS, AND DISTURBANCES DURING THIS CONTRACT) NOT RECEIVING SPRIGGING OR SODDING (SEE LANDSCAPE PLANS) AS A PART OF THIS CONTRACT. THESE AREAS INCLUDE OPEN AREAS, DETENTION BASINS, AREAS OF FUTURE PAVING, PARKING LOTS, & ROADS. SEED SPECIES DEPEND UPON DATE OF COMPLETION.

UNIFORMLY SPREAD AGRICULTURAL LIME ON THE GROUND AT THE APPROXIMATE RATE DETERMINED BY THE LABORATORY SOIL TEST. UNIFORMLY SPREAD THE FERTILIZER SELECTED OVER THE GROUND AT APPROXIMATELY 1,200 LBS/ACRE (1350 KG/HA). IF USING A HIGHER ANALYSIS FERTILIZER WITH HYDROSEEDING, APPLY IT AT THE SAME RATE PER ACRE (HECTARE) AS THE STANDARD FERTILIZER. EVENLY APPLY STRAW MULCH IMMEDIATELY AFTER SEEDING BETWEEN 3/4 IN AND 1-1/2 IN (20 MM and 40 MM) DEEP, ACCORDING TO THE TEXTURE AND MOISTURE CONTENT OF THE MULCH

# THERE ARE DELINEATED ON-SITE WETLANDS WITHIN 200 FEET OF THE PROJECT SITE AN UNNAMED TRIBUTARY OF NANCY CREEK IS THE

RECEIVING WATERS FOR THIS SITE THE SITE IS LOCATED WITHIN 1-MILE FROM AN IMPAIRED STREAM SEGMENT

APPENDIX 1 REQUIREMENT 4FT X 8FT SIGN W/ FOLLOWING INFORMATION

WEBSITE UNTIL NOT HAS BEEN SUBMITTED

1. CONSTRUCTION SITE PRIMARY PERMITTEE 3. 24 HOUR CONTACT (W/ PHONE NUMBER) 4. PERMITEE HOSTED WEBSITE WHERE PLANS CAN BE VIEWED

SIGN MUST REMAIN ON SITE AND PLAN MUST BE AVAILABE ON

SCALE: 1" = 50 '

**GRADING PHASE EROSION CONTROL NOTES** 

THE FOLLOWING EROSION CONTROL MEASURES SHALL BE IMPLEMENTED DURING THE PRELIMINARY GRADING PHASE OF CONSTRUCTION:

MAINTAIN FULL COORDINATION WITH THE DESIGN PROFESSIONAL, CONTRACTOR AND REGULATORY INSPECTOR AT ALL TIMES REGARDING PROJECT SEQUENCE.

DURING CONSTRUCTION, THE CONTRACTOR SHALL MAINTAIN CAREFUL SCHEDULING AND PERFORMANCE TO INSURE THAT LAND STRIPPED OF ITS NATURAL GROUND COVER IS EXPOSED ONLY IN SMALL QUANTITIES AND THEREFORE LIMITED DURATION, BEFORE PERMANENT EROSION PROTECTION IS ESTABLISHED. NOTE SUB PHASES SHOWN ON PLANS.

EARTHWORK OPERATIONS IN THE VICINITY OF STREAM BUFFERS SHALL BE CAREFULLY CONTROLLED TO AVOID DUMPING OR SLOUGHING INTO THE BUFFER AREAS.

SEDIMENT SHALL NOT BE WASHED INTO INLETS. IT SHALL BE REMOVED FROM THE SEDIMENT TRAPS AND DISPOSED OF AND STABILIZED SO THAT IT WILL NOT ENTER THE INLET AGAIN.

EROSION CONTROL DEVICES SHALL BE INSTALLED IMMEDIATELY AFTER GROUND DISTURBANCE OCCURS. THE LOCATION OF SOME OF THE EROSION CONTROL 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 RESPONSIBILITY OF THE CONTRACTOR TO ACCOMPLISH EROSION CONTROL FOR ALL DRAINAGE PATTERNS CREATED AT THE VARIOUS STAGES OF CONSTRUCTION ANY DIFFICULTY IN CONTROLLING EROSION DURING ANY PHASE OF CONSTRUCTION SHALL BE REPORTED TO THE DESIGN PROFESSIONAL IMMEDIATELY.

THE CONTRACTOR SHALL FURNISH AND MAINTAIN ALL NECESSARY BARRICADES WHILE ROADWAY FRONTAGE IMPROVEMENTS ARE BEING MADE.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING BARRIERS AT THE TOE OF SLOPES UNDER CONSTRUCTION. THESE BARRIERS SHALL BE SHOWN IN THE PLANS. THESE BARRIERS MAY BE RELOCATED AND REUSED AFTER PERMANENT SLOPE STABILIZATION BECOMES FULLY ESTABLISHED. AS THEY ARE RELOCATED, ANY DEFECTIVE MATERIALS IN THE BARRIER SHALL BE REPLACED. IN ADDITION, ALL DEBRIS AND SILT AT THE PREVIOUS LOCATION SHALL BE REMOVED.

ALL SLOPES STEEPER THAN 2.5:1 AND WITH A HEIGHT OF 10FT OR GREATER, AND CUTS AND FILLS WITHIN STREAM BUFFERS, SHALL BE STABILIZED WITH APPROPRIATE EROSION CONTROL MATTING OR BLANKETS IMMEDIATELY.

TYPE "C" SILT FENCE SHALL BE PLACED AT THE TOE OF ALL DIRT STOCK PILE AREAS AND ALL FILL SLOPES 10FT OR GREATER IN HEIGHT. THE SILT FENCE SHALL BE MAINTAINED UNTIL PERMANENT GROUND COVER IS ESTABLISHED ON THE SLOPE. SILT SHALL BE REMOVED WHEN ACCUMULATION REACHES 1/2 HEIGHT OF THE BARRIER. ADDITIONALLY, DIVERSION DIKES SHALL BE SHALL BE CONSTRUCTED ALONG THE TOP OF ALL SAID FILL SLOPES WITH THE USE OF TEMPORARY DOWN DRAINS TO CONTROL STORMWATER RUNOFF AS SHOWN ON THE PLANS.

INLET SEDIMENT PROTECTION MEASURES SHALL BE INSTALLED ON ALL STORM STRUCTURES AS THEY ARE CONSTRUCTED. SEE PLAN VIEW FOR SPECIFIC TYPE AND SEPARATE DETAILS FOR ADDITIONAL INFORMATION ON TYPE OF INLET PROTECTION SPECIFIED.

STORM DRAIN OUTLET PROTECTION SHALL BE PLACED AT ALL OUTLET HEADWALLS AS SOON AS THE HEADWALL IS CONSTRUCTED. SEE SEPARATE DETAILS FOR ADDITIONAL INFORMATION.

STONE CHECK DAMS SHALL BE INSTALLED IN AREAS OF CONCENTRATED FLOWS AS SHOWN ON THE PLAN. SEE SEPARATE DETAIL FOR ADDITIONAL INFORMATION.

ALL DRAINAGE SWALES SHALL BE APPLIED WITH VEGETATIVE COVER AS SOON AS FINAL GRADE IS ACHIEVED.

ALL GRADED AREAS SHALL BE APPLIED WITH VEGETATIVE COVER AS SOON AS FINAL GRADE IS ACHIEVED.

ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD OF GREATER THAN 7 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

ALL DISTURBED AREAS LEFT MULCHED AFTER 30 DAYS SHALL BE STABILIZED WITH TEMPORARY GRASSING.

AFTER PRELIMINARY GRADING ACTIVITIES, THE CONTRACTOR SHALL CONSTRUCT TEMPORARY SEDIMENT BASINS AND DIVERSION DIKES AS SHOWN ON PLAN. THE CONTRACTOR SHALL MAINTAIN THE SEDIMENT POND UNTIL PERMANENT GROUND COVER IS ESTABLISHED. SEDIMENT SHALL BE CLEANED OUT OF THE PONDS WHEN IT REACHES THE 1/3 DEPTH OF BASIN. SEE SEPARATE DETAILS FOR ADDITIONAL INFORMATION.

SEDIMENT AND EROSION CONTROL MEASURES SHOULD BE CHECKED AFTER EACH RAIN EVENT. EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED ONE HALF THE CAPACITY OF THE DEVICE. ADDITIONAL DEVICES MUST BE INSTALLED IF NEW CHANNELS HAVE DEVELOPED. INDICATORS MUST BE INSTALLED IN SEDIMENT BASINS INDICATING THE 1/3 FULL VOLUME FOR CLEANOUT.

THE CONSTRUCTION EXIT SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACK OR FLOW OF MUD ONTO PUBLIC RIGHT-OF-WAY, THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 1-3" OF STONE, AS CONDITIONS DEMAND. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLE ONTO PUBLIC ROADWAY OR INTO STORM DRAIN MUST BE REMOVED IMMEDIATELY.

CONTRACTOR SHALL INSPECT CONTROL MEASURES AT THE END OF EACH WORKING DAY TO ENSURE MEASURES ARE FUNCTIONING PROPERLY.

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, OR AS DIRECTED BY THE EROSION CONTROL INSPECTOR.

FAILURE TO INSTALL, OPERATE, OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB UNTIL SUCH MEASURES ARE CORRECTED BACK TO THE APPROVED EROSION CONTROL PLANS.

ALL INLET HEADWALLS TO BE PROTECTED WITH SILT GATES, AND ALL DROP INLETS TO BE UNDERCUT 1.5FT

DEEP BY 10FT IN DIAMETER.

THE SITE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTENANCE OF ALL EROSION CONTROL MEASURES

INCLUDING REPLACING OR REPAIRING ANY DAMAGED DEVICES DUE TO ANY CONSTRUCTION ACTIVITY BY

ERODED VEGETATED SLOPES WILL BE BACKFILLED, SMOOTHED, SEEDED OR GRASSED AND COVERED WITH GEOTEXTILE MATTING.

THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND DISTURBING



HE ARCHITECT. REPRODUCTION, COPYING, OR USE OF THIS RAWING WITHOUT THEIR WRITTEN CONSENT IS PROHIBITED ND ANY INFRINGEMENT IS SUBJECT TO LEGAL ACTION.



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UBMITTALS / REVISIONS O. DATE DESCRIPTION PERMIT REVISIONS 09.06.2022

PERMIT DRAWINGS

**ESPC INTERMEDIATE** 

PHASE

07/01/2022 DRAWN BY CHECKED BY

SHEET NO.

# **UNIFORM CODING SYSTEM** FOR SOIL EROSION & SEDIMENT CONTROL PRACTICES GEORGIA SOIL AND WATER CONSERVATION COMMISSION 1. ALL PHASE 1 PRACTICES TO BE COMPLETED PRIOR TO ANY OTHER LAND DISTURBANCE ACTIVITIES. PHASE 2 PRACTICES TO BE IMPLEMENTED AS NEEDED DURING CONSTRUCTION. PHASE 3 PRACTICES TO BE IMPLEMENTED AS SOON AS CONSTRUCTION IS COMPLETE ON DIFFERENT ASPECTS OF THE PROJECT, NOT AT END OF ALL CONSTRUCTION ACTIVITIES FOR ENTIRE SITE. 2. ALL TEMPORARY EROSION CONTROL MEASURES ARE TO BE REMOVED FROM SITE AT COMPLETION OF PROJECT OR WHEN CONTRIBUTING DRAINAGE AREA ACHIEVES FINAL STABILIZATION. STORM DRAIN OUTLET PROTECTION TO REMAIN

IN PERMANENT CONDITION. ALL OTHER EROSION CONTROL MEASURES ON THIS

MAP SYMBOL	CODE	PRACTICE	CALLOUT(S)
	Co	CONSTRUCTION EXIT	01 C3.40
— §F ——	Sd1-S	SEDIMENT BARRIER (SENSITIVE AREA)	V 02 C3.40
	Ds1	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)	V 05 C3.40
	Ds2	DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)	V 06 C3.40
	Ds3	DISTURBED AREA STABILIZATION (WITH PERMANENT SEEDING)	V 01 C3.41
	Du	DUST CONTROL ON DISTURBED AREAS	V 04 C3.40

NRCS SOILS TYPE LEGEND

SHEET ARE TEMPORARY.

CARTECAY SILT LOAM, FREQUENTLY FLOODED

TOCCOA SANDY LOAM, 0 TO 2 % SLOPES, FREQUENTLY FLOODED

PACOLET-URBAN LAND COMPLEX, 10 TO 25 % SLOPES

# DESIGNER GSWCC LEVEL II

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



ASATO MASUYAMA, CERTIFIED DESIGN PROFESSIONAL

FLOODPLAIN NOTE: THIS SITE IS LOCATED WITHIN A ZONE AS DEFINED BY FIRM COMMUNITY PANEL NUMBER 13089C0012K FOR CITY OF BROOKHAVEN, DeKALB COUNTY, GEORGIA (AUGUST 15, 2019).

> PHASE III EROSION CONTROL NOTE ALL EROSION CONTROL MEASURES TO BE INSTALLED PER 2016 GREEN BOOK. CONTRACTOR TO REMOVE SILT FENCE AFTER ALL SOIL IS STABILIZED AND AFTER ISSUANCE OF THE CERTIFICATE OF OCCUPANCY.

> > CONSTRUCTION ADDRESS: MURPHEY CANDLER PARK 1551 WEST NANCY CREEK DR

ATLANTA, GA 30319 PRIMARY PERMITTEE / OWNER CONTACT: BRIAN BORDEN CITY OF BROOKHAVEN 3360 OSBORNE ROAD BROOKHAVEN, GA 30319

24-HR. EMERGENCY CONTACT: BRIAN BORDEN - 404.637.0562 BRIAN.BORDEN@BROOKHAVENGA.GOV

PHONE: 404.637.0562

EXISTING USE: MUNICIPAL PARK PROPOSED USE: MUNICIPAL PARK

DETERMINED BY THE LABORATORY SOIL TEST.

UNIFORMLY SPREAD THE FERTILIZER SELECTED OVER THE GROUND AT APPROXIMATELY 1,200

LBS/ACRE (1350 KG/HA). IF USING A HIGHER ANALYSIS FERTILIZER WITH HYDROSEEDING, APPLY

EVENLY APPLY STRAW MULCH IMMEDIATELY AFTER SEEDING BETWEEN 3/4 IN AND 1-1/2 IN (20

MM and 40 MM) DEEP, ACCORDING TO THE TEXTURE AND MOISTURE CONTENT OF THE MULCH

MATERIAL. MULCH SHALL ALLOW SUNLIGHT TO PENETRATE AND AIR TO CIRCULATE AS WELL AS

IT AT THE SAME RATE PER ACRE (HECTARE) AS THE STANDARD FERTILIZER.

SHADE THE GROUND, REDUCE EROSION, AND CONSERVE SOIL MOISTURE.

TOTAL PROJECT AREA: ± 1,602,679-SF, ± 36.79-AC

TOTAL DISTURBED AREA: ± 131,546-SF, ± 3.02-AC

# LAYOUT NOTES:

BE STRAIGHT AND TRUE.

SEE SHEET C0.01 FOR GENERAL NOTES.

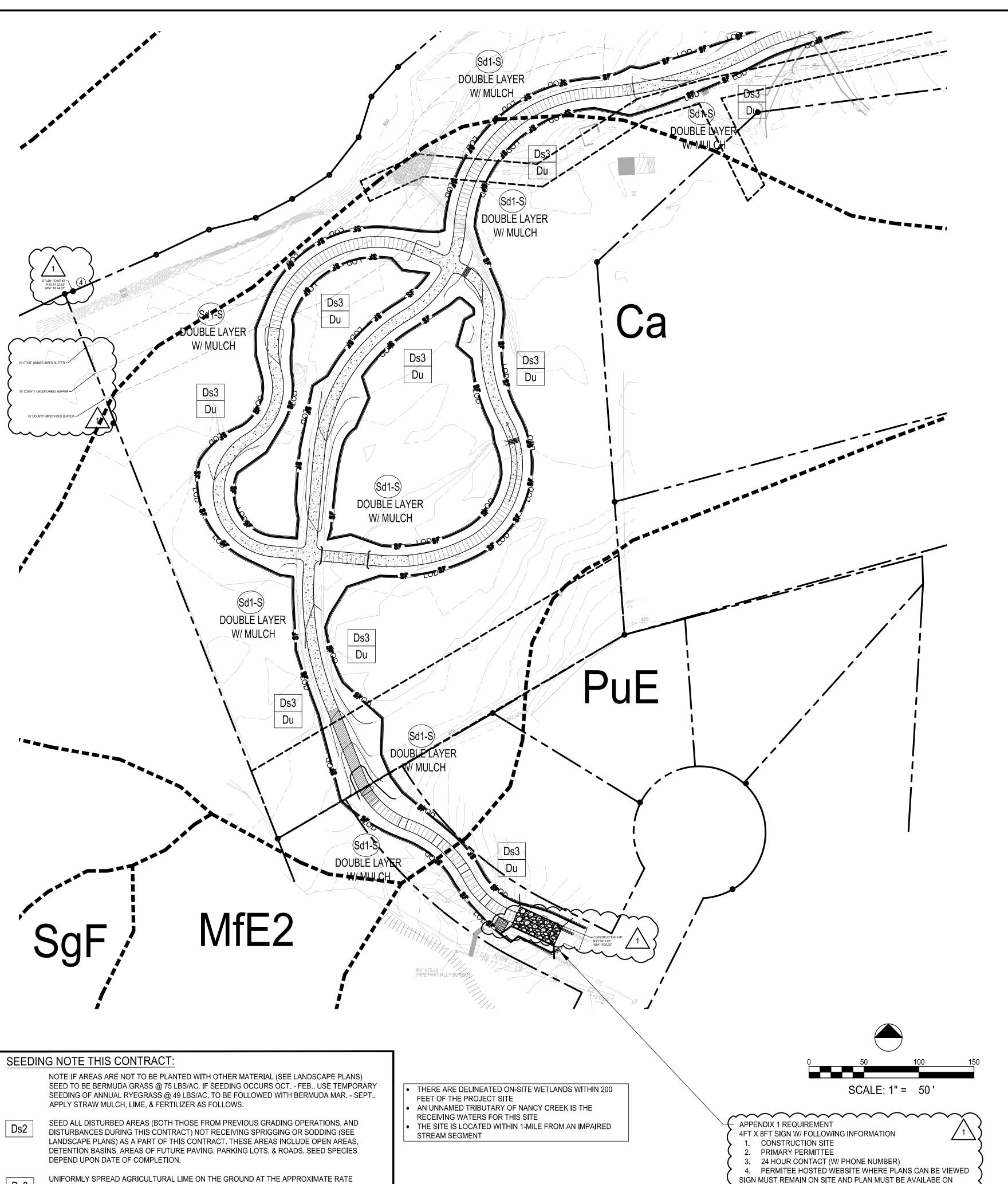
SEE ARCHITECTURAL SHEETS FOR BUILDING. INSTALL JOINTS WHERE SHOWN TO ALIGN TO WALLS, BUILDINGS, RADII, ETC. EVENLY SPACE BETWEEN ELEMENTS AS SHOWN. PROVIDE EXPANSION JOINTS BETWEEN CONCRETE PAVEMENT AND VERTICAL ELEMENTS (WALL, CURBS, ETC.). ALL JOINTS TO

4. LAYOUT ALL CURVES SMOOTHLY WITH NO ABRUPT CHANGES AT TANGENT POINTS.

ALL CURBS ARE DIMENSIONED TO THE FACE OF CURB. 6. CONTRACTOR TO TAKE ALL PRECAUTIONS TO FIND AND AVOID SITE UTILITIES. ALL UTILITIES ARE NOT SHOWN ON DRAWING. VERIFY LOCATIONS AND CONSIDER SUCH WHEN ESTIMATING.

7. ALL PAVEMENT MARKING AND TRAFFIC CONTROL DEVICES SHALL BE INSTALLED PER THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). LATEST EDITION. 8. ALL PAVEMENT MARKINGS TO BE THERMOPLASTIC, UNLESS OTHERWISE NOTED.

9. ALL ANGLES ARE 90° UNLESS OTHERWISE NOTED. 10. ALL RADIUS ARE 5' UNLESS OTHERWISE NOTED.



WEBSITE UNTIL NOT HAS BEEN SUBMITTED

# FINAL PHASE **EROSION CONTROL NOTES**

THE FOLLOWING EROSION CONTROL MEASURES SHALL BE IMPLEMENTED DURING THE FINAL **EROSION CONTROL PHASE OF CONSTRUCTION:** 

MAINTAIN FULL COORDINATION WITH THE DESIGN PROFESSIONAL, CONTRACTOR AND REGULATORY INSPECTOR AT ALL TIMES REGARDING PROJECT SEQUENCE.

SEDIMENT SHALL NOT BE WASHED INTO INLETS. IT SHALL BE REMOVED FROM THE SEDIMENT TRAPS AND DISPOSED OF AND STABILIZED SO THAT IT WILL NOT ENTER THE INLETS AGAIN.

ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD OF GREATER THAN 7 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

ALL DISTURBED AREAS LEFT MULCHED AFTER 30 DAYS SHALL BE STABILIZED WITH TEMPORARY GRASSING.

THE CONTRACTOR SHALL MAINTAIN ALL SEDIMENT PONDS AND EROSION CONTROL MEASURES UNTIL PERMANENT GROUND COVER IS ESTABLISHED. SEDIMENT SHALL BE CLEANED OUT OF THE PONDS WHEN IT REACHES THE HALF-WAY POINT ON THE RISER.

AFTER CURBING, GRADED AGGREGATE BASE, AND PAVEMENT HAVE BEEN INSTALLED, ALL INLET SEDIMENT TRAPS ON SINGLE AND DOUBLE WING CATCH BASINS ALONG WITH ANY CURB INLETS SHALL BE REMOVED AND REPLACED WITH CURB FILTER INLET PROTECTION. SEE SEPARATE DETAIL FOR ADDITIONAL INFORMATION.

ALL ROADWAY AND PARKING SHOULDERS SHOULD BE APPLIED WITH VEGETATIVE COVER AS SOON AS FINAL GRADE IS ACHIEVED BEHIND CURBS.

SEDIMENT AND EROSION CONTROL MEASURES SHOULD BE CHECKED AFTER EACH RAIN EVENT. EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED ONE-HALF THE CAPACITY OF THE DEVICE. ADDITIONAL DEVICES MUST BE INSTALLED IF NEW CHANNELS HAVE DEVELOPED.

THE CONSTRUCTION EXIT SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACK OR FLOW OF MUD ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 1-3" OF STONE, AS CONDITIONS DEMAND. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLE ONTO PUBLIC ROADWAY OR INTO STORM DRAIN MUST BE REMOVED IMMEDIATELY.

CONTRACTOR SHALL INSPECT CONTROL MEASURES AT THE END OF EACH WORKING DAY TO ENSURE MEASURES ARE FUNCTIONING PROPERLY.

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 AS DIRECTED BY THE ON-SITE INSPECTOR OR THE CIVIL ENGINEER.

ALL TEMPORARY SEDIMENT BASINS SHALL BE REMOVED WHEN THE DEVELOPMENT IS COMPLETE AND ALL DISTURBED AREAS HAVE BEEN STABILIZED WITH PERMANENT

FAILURE TO INSTALL, OPERATE, OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB UNTIL SUCH MEASURES ARE CORRECTED BACK TO THE APPROVED EROSION CONTROL PLANS.

THE SITE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTENANCE OF ALL EROSION CONTROL MEASURES INCLUDING REPLACING OR REPAIRING ANY DAMAGED DEVICES DUE TO CONSTRUCTION ACTIVITY BY OTHERS.

ERODED VEGETATED SLOPES WILL BE BACKFILLED, SMOOTHED, SEEDED OR GRASSED AND COVERED WITH GEOTEXTILE MATTING.

THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT

UPON COMPLETION OF THE PROJECT AND RECEIPT OF CERTIFICATE OF OCCUPANCY, THE CONTRACTOR SHALL REMOVE ALL TEMPORARY EROSION CONTROL MEASURES AND DISPOSE OF THEM UNLESS NOTED ON PLANS.

HE ARCHITECT. REPRODUCTION, COPYING, OR USE OF THIS RAWING WITHOUT THEIR WRITTEN CONSENT IS PROHIBITED ND ANY INFRINGEMENT IS SUBJECT TO LEGAL ACTION.



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SHEET NO.

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 <u>SUITABLE</u> FOR TRUCK TRAFFIC THAT REMOVE MUD AND DIRT.

10.MAINTAIN AREA IN A WAY THAT PREVENTS TRACKING AND/OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.

**CO - CONSTRUCTION EXIT** 

SCALE: XX = XX

# Disturbed Area Stabilization (With Mulching Only) Ds1



# DEFINITION

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

# PURPOSE

To reduce runoff and erosion

To conserve moisture

To prevent surface compaction or crusting

To modify soil temperature

To increase biological activity in the soil

To control undesirable vegetation

# 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

If any area will remain undisturbed for greater than six months, permanent vegetative techniques shall be employed. Refer to Ds2 -Dis-

GSWCC 2018 Edition

turbed Area Stabilization (With Temporary (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.

Install needed erosion control measures as required such as dikes, diversions, berms, terraces and sediment barriers.

Loosen compact soil to a minimum depth of 3 inches.

# Mulching Materials

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

- 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.
- 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.
- 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.

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

CONTROL PLAN.

SCALE: XX = XX

AND POLLUTION CONTROL PLAN.

30" MIN.

18" MIN

SIDE VIEW

FRONT VIEW

1. USE STEEL OR WOOD POSTS OR AS SPECIFIED BY THE EROSION, SEDIMENTATION,

2. HEIGHT (\*) IS TO BE SHOWN ON THE EROSION, SEDIMENTATION, AND POLLUTION

SD1-S - SILT FENCE - TYPE C

4' MAX. O.C.

(SENSITIVE AREA)

(WOVEN WIRE FENCE

BACKING)

(Sd1-S)

Apply polyethylene film on exposed areas.

the organic mulches.

### Anchoring Mulch Straw or hay mulch can be pressed into

Co

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

fications.

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. Tackifers, binders and hydraulic mulch with tackifier specifically desgined for tacking straw can be substituted for emulsified asphalt. Please refer to specification Tac-Tackifers. Plastic mesh or netting with mesh no larger than one inch by one inch shall be installed according to manufacturer's speci-

> 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.

Polyethylene film shall be anchor trenched at the top as well as incrementally as

# **GEORGIA** Major Land Resource Areas 128 Southern Appalachian Ridges and Valleys 129 Sand Mountain 130B Southern Blue Ridge 133A Southern Coastal Plain 136 Southern Pledmont 137 Carolina and Georgia Sand Hills 153A Atlantic Coast Flatwoods 153B Tidewater Area 85°0'0"W Natural Resources Conservation Service 1 inch equals 40 miles Revised 2006

Figure 6-4.1

GSWCC 2016 Edition

DS2 - DISTURBED AREA STABILIZATION SCALE: XX = XX

CONCRETE WASHOUT LAG SCREWS WOOD POST PLYWOOD PAINTED WHITE CONCRETE WASHOUT SIGN (OR EQUIVALENT)

STAPLES EARTHEN BERM **PERMEABLE GEOTEXTILE** FABRIC

Table 1 Spray-On Adhesive Application Requirements Water Adhesive (Gal./Acre) Dilution Type Anionic Coarse asphalt 7:1 emulsion Fine Latex 12.5:1

Nozzle | Application emulsion spray Resin-in-Fine 300 4:1 water emulsion

**DU - DUST CONTROL** 

SCALE: XX = XX

**CONCRETE WASHDOWN** 

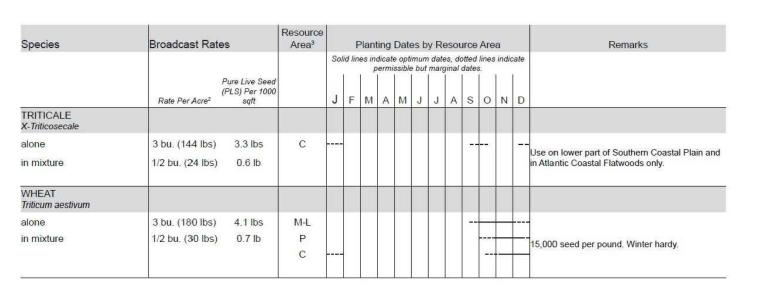
SECTION B-B

NOT TO SCALE

Table 6-4.1 - Temporary Cover or Companion Cover Crops PLANT, PLANTING RATE, AND PLANTING DATE FOR TEMPORARY COVER OR COMPANION CROPS!

Species	Broadcas	t Rates	Resource Area <sup>3</sup>	Planting Dates by Resource Area										Remarks		
				Sol	id line							otted date:		indic	ate	
2		Pure Live Seed (PLS) Per 1000 sqft		J	F	М	Α	М	J	J	Α	s	0	N	D	
BARLEY Hordeum vulagre																
alone	3 bu. (144 lbs)	3.3 lbs	M-L								270.00		_			14,000 seed per pound. Winter hardy. Use
in mixture	1/2 bu. (24lbs)	0.6 lb	P								000		_			on productive soils.
10			С													
LESPEDEZA, ANNUAL Lespedeza striata																
alone	40 lbs	0.9 lb	M-L													200,000 seed per pound. May volunteer for sev-
in mixture	10 lbs	0.2 lb	Р			_										eral years. Use inoculant EL.
3	T-1		С			***						1 - 2				
LOVEGRASS, WEEPING Eragrostis curvula																
alone	4 lbs	0.1 lb	M-L													1,500,000 seed per pound. May last for several
in mixture	2 lbs	0.05 lb	Р				-									years. Mix with Sericea lespedeza.
25	į.		С						(77A)			g	Ш.			
MILLET, BROWNTOP Panicum fasciculatum																
alone	40 lbs	0.9 lb	M-L				et et e		an esta							107.000
in mixture	10 lbs	0.2 lb	Р			100										137,000 seed per pound. Quick dense cover. Will provide excessive competion in mixtures if
			С			3	-			2000						seeded at high rate.

Species	Broadcast	t Rates	Resource Area <sup>3</sup>		P	lant	ing	Date	es b	y Re	esou	urce	Are	a		Remarks
	Solid lines indicate optimum dates, dotted lines indicate permissible but marginal dates.															
		Pure Live Seed (PLS) Per 1000 sqft		J	F	М	Α	М	J	J	Α	s	0	Ν	D	
MILLET, PEARL Pennesetum glaucum																
alone	50 lbs	1.1 lbs	M-L P C	9		7.5						10 -				88,000 seed per pound. Quick dense cover. May reach 5 feet in height. Not recommended for mixtures.
OATS Avena sativa																
alone in mixture	4 bu. (128 lbs) 1 bu. (32 lbs)	2.9 lbs 0.7 lb	M-L P C													13,000 seed per pound. Use on productive soils. Not as a winter hardy as rye or barley.
RYE Secale cereale																
alone in mixture	3 bu. (168 lbs) 1/2 bu. (28 lbs)	3.9 lbs 0.6 lb	M-L P C			0					* <u></u>					18,000 seed per pound. Quick cover. Drought tolerant and winter hardy.
RYEGRASS, ANNUAL Lolium temulentum			ů.	e e		0. 0.		9: s		0. 0	i.	10-0				
alone	40 lbs	0.9 lb	M-L P C							12		k				227,000 seed per pound. Dense cover. Very com petitive and is <u>not</u> to be used in mixtures.
SUDANGRASS Sorghum sudanese																
alone	60 lbs	1.4 lbs	M-L P C													55,000 seed per pound. Good on droughty sites.  Not recommended for mixtures.



<sup>1</sup>Temporary cover crops are very competitive and will crowd out perennials if seeded too heavily <sup>2</sup>Reduce seeding rates by 50% when drilled. <sup>3</sup>M-L represents the Mountain; Blue Ridge; and Ridges and Valleys MLRAs

P represents the Southern Piedmont MLRA

C represents Southern Coastal Plan; Sand Hills; Black Lands; and Atlantic Coast Flatwoods MLRAs

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SOUTH S **TRAIL** 

SANDLEF DEVELOPN MURPHEY (

UBMITTALS / REVISIONS NO. DATE DESCRIPTION PERMIT REVISIONS 09.06.2022

PERMIT DRAWINGS

DESIGNER GSWCC LEVEL II

I CERTIFY UNDER PENALTY OF LAW THAT THIS PLAN

DESCRIBED HEREIN BY MYSELF OR MY AUTHORIZED

AGENT UNDER MY DIRECT SUPERVISION.

GSWCC

WAS PREPARED AFTER A SITE VISIT TO THE LOCATIONS

Asato Masuyama

CERTIFICATION NUMBER \_\_\_\_\_\_0000083860

ISSUED: 10/01/2021 EXPIRES: 10/01/2024

ASATO MASUYAMA, CERTIFIED DESIGN PROFESSIONAL

Level II Certified Design Professional

GEORGIA SOIL AND WATER

ESPC DETAILS

07/01/2022 RAWN BY N.T.S. CHECKED BY

SHEET NO. C3.40

Permit # LDP22-00012

DS1 - DISTURBED AREA STABILIZATION SCALE: XX = XX

6-34

0 <del>1</del>		Fertilizer Requir	rements	GSWCC	Table 6-5.2- Permanent Cover Crops PLANT, PLANTING RATE, AND PLANTING	NG DATE FOR PERMANENT (	COVER 1				0)	manent Cover Crops NG RATE, AND PLANTING DATE	FOR PERMANENT COVER	21		GSWCC	Table 6-5.2- Permanent	Cover Crops E, AND PLANTING DATE FOR	R PERMANENT COVER	21	
TYPE OF SPECIES	YEAR E	NALYSIS OR QUIVALENT N-P-K	RATE	TOP DRESSING RATE		Resource Area <sup>3</sup>		s by Resource Area	Ren	narks	Species	Broadcast Rate	4-20-00-00-00-00-00-00-00-00-00-00-00-00-	lanting Dates by Resour		Remarks Edition	, S.M., FEARTING RA		Resource	**	
	Second	6-12-12 6-12-12 10-10-10	1500 lbs./ac. 1000 lbs./ac. 400 lbs./ac.	50-100 lbs./ac. 1/2/				num dates, dotted lines ind but marginal dates.	licate		3		solid line are Live ad (PLS)	es indicate optimum dates, dott permissible but marginal da		מכ	Species	Broadcast Rates		lanting Dates by Resources indicate optimum dates, dotted	
Cool season grasses and	First Second	6-12-12 0-10-10	1500 lbs./ac. 1000 lbs./ac.	0-50 lbs/ac. 1/	Rate Per Ar	Pure Live Seed (PLS) cre² Per 1000 sqft	J F M A M	J J A S O N	D		BERMUDA SPRI Cynodon dactyloi	Rate Per Acre² Per 1	1000 sqft J F	M A M J J A	S O N D			Pure Liv Seed (PL	/e .S)	permissible but marginal da	ates.
3. Ground covers	First	0-10-10	400 lbs./ac. 1300 lbs./ac. 3/	=	Paspalum notatum alone or with temporary cover 60 lbs	1.4 lbs P			166,000 seed per pou	- ST - ST	Coastal, Commo	on, Midland, 40 cu ft 0.9 or sod plugs 3' x'	M-L		spr	ubic foot contains approximately 650 igs. A bushel contains 1.25 cubic feet or	FESCUE, TALL Festuca arundinacea	Rate Per Acre² Per 1000	sqft J F	M A M J J A S	S O N D
	Maintenance	10-10-10 10-10-10 20-10-5	1300 lbs./ac. 3/ 1100 lbs./ac. one 21-gram pellet		with other perennials 30 lbs	0.7 lb C			companion crop. Will pastures and awns. M deza or weeping love	ix with Sericea les	pe- Coastal, Commo	on, of Tift 44			Sar	proximately 800 springs. The as above.	alone	50 lbs 1.1 lb	M-L		227,000 seed per pound. Use alone only on better sites. Mix with perennial lespededza or Crownvetch. Apply topdressing in spring following fall plantings. Not for heavy use
4. I no securings	THOL	20 10 3	per seedling placed in the closing hole	_	BAHIA, WILMINGTON Paspalum notatum alone or with temporary						Tift 78  CENTIPEDE				Sou	uthern Coastal Plain only	with other perennials  KUDZU  Pueraria thumbergiana	30 lbs 0.7 lb		-	areas or athletic fields.
	Maintenance	0-10-10 0-10-10	700 lbs./ac. 700 lbs./ac. 4/		cover 60 lbs with other perennials 30 lbs BERMUDA, COMMON				Same as above.		Eremochloa oph	uiroides  Block sod only	y P C		Dro	ought tolerant. Full sun or partial shade.	Plants or crowns	3' - 7' apart	ALL		Rapid and vigorous growth. Excellent in gully erosion control. Will climb. Good
Temporary     cover crops     seeded alone	First	10-10-10	500 lbs./ac.	30 lbs./ac. 5/	Cynodon dactylon Hulled seed alone 10 lbs	0.2 lb C			4 707 000 2014 2010						Effe cen unt	ective adjacent to concrete and in con- strated flow areas. Irrigation is needed il fully established. Do not plant near stures. Winterhardy as far as north	LESPEDEZA SERICEA Lespedeza cuneata	3 - <i>1</i> apart	ALL M.I		livestock forage.  350,000 seed per pound. Widely adapted.
	Second	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.	with other perennials 6 lbs BERMUDA, COMMON				1,787,000 seed per po Low growing and sod Good for athletic fileds	forming. Full sun.		н				ens and Atlanta	scarified	60 lbs 1.4 lb	P C -		Low maintenace. Mix with Weeping loveg- rass, Common bermuda, bahia, or tall fescue. Takes 2 to 3 years to become fully
8. Warm season	First Second	6-12-12 0-10-10	1500 lbs./ac. 1000 lbs./ac.	50 lbs./ac./6/	Cynodon dactylon Unhulled seed with temporary cover 10 lbs	0.2 lb P			Plant with winter annu	als.					Dro	0,000 seed per pound. Dense growth.  bught tolerant and fire resistant. Attractive	unscarified	75 lbs 1.7 lb	P		late seed with FL inoculant
	Maintenance	0-10-10	400 lbs./ac.		with other perennials 6 lbs	0.1 lb C	-		Plant with Tall Fescue		with winter annu season grasses		M-L 0.3 lb P		fall.	e, pink and white blossoms spring to late . Mix with 30 pounds of Tall fescue or 15 unds of rye. Inoculate see with M inocu- t. Use from North Atlanta and Northward.	and begins box	2 tone 4220 lb	M-L P		Cut when seed mixture is mature, but be- fore, it shatters. Add Tall fescue or winter
1/ Apply in spring followin 2/ Apply in split application	s when high rates are u	sed.		6-42							6-43	ų.	1 1: 1: 1			44	seed- bearing hay	3 tons 1338 lb			annuais.
3/ Apply in 3 split applicat 4/ Apply when plants are 5/ Apply to grass species 6/ Apply when plants grow	runed. only.	hes			G G	e 6-5.2- Permanent Cover Crops NT, PLANTING RATE, AND PLAI		Resource			W	Dura	able Shrubs and	Table 6-5.3		ermanent Cover	Та	ble 6-5.3. Durable Shr	ubs and Ground	I Covers for Perm	nanent Cover
G Table 6-5.2- Permanent 0	and the second s		OVER 1		Specificon	B B	roadcast Rates		anting Dates by Resource Are		Remarks	Ground covers in	clude a wide range o	of low-growing pla	nts planted to	ogether in considerable numbers to isses. Weeds are likely to compete,	Common Name	Scientific Name	Mature Heigh	nt Plant Spacing	Comments
C 2016 E Species	Broadcast Rates	Resource Area <sup>3</sup>	Planting Dates by Resou	ırce Area	Remarks		Pure Live Seed (PLS	5)	permissible but marginal dates.			especially the first ye	ar. Maintenance is ne	eded to insure sur	vival. These g	round covers will not be used unless until plants provide adequate cover.	1	llex crenata 'Repandens'	2-3 ft.	5 ft.	Sun, semi-shade.
9	Russ		id lines indicate optimum dates, do permissible but marginal		MAIE Pani	DENCANE cum hemitomon	er Acre² Per 1000 so	gn J F	M A M J J A S O	N D		Fall planting is en establish new roots		he need for const	ant watering	is reduced and plants have time to	Andorra	Juniperus	2-3 ft.	5 ft.	Excellent for slopes.
LESPEDEZA	Pure Seed Rate Per Acre² Per 10	(PLS)	F M A M J J A	S O N D	sprig		spacing ALL		<u> </u>	sprigs from	et sites. May clog channels. Dig n local sources. Use along river shorelines.	Common Name	Scientific Name	Mature Height	Plant Spacir	ng Comments	Juniper	horizontalis 'Plumosa'			Sun.
Ambro virgata  Lespedeza virgata DC  or					COA Pania	ICGRASS, ATLANTIC STAL cum amarum var rukum						Albelia	Abelia grandiflora	3-4 ft.	5 ft.	Also a prostrate form 2 feet high. Sun, semi-shade. Semi-	Andorra Compacta	Juniperus horizontalis	1-2 ft.	5 ft.	More compact than andora.
Appalow Lespedeza cuneata (Dumont) G. Don)								Р		areas, and for wildlife	l on coastal sand dunes, borrow gravel pits. Provides winter cover Mix with Sericea lespedeza excep	ot Carolina	Gelsemium	low	3 ft.	evergreen. Vine. Yellow, trumpet-	Juniper	'Plumosa com- pacta'			
scarified	60 lbs 1.4	M-L P C		300,000 seed pe 18 to 24 inches. eas. Spreading-	type growth. New growth has	D CANARY GRASS aris arundinacea	lbs 0.5 lb	С		on sand d	unes.	Yellow Jessamine	sempervirens	NOW.	J.A.	like flowers. Hardy, one of best vines. Evergreen.	Blue Chip Juniper	Juniperus horizontalis 'Blue Chip'	8-10 in.	4 ft.	
		P		rass, common b	ermuda, bahia, tall fescue with s. Do not mix with Sericea SUN		lbs 0.7 lb	P		Grows sim	ilar to Tall fescue	Carpet Blue	Ajuga reptans	2-4 in.	3 ft.	Native to Georgia.  Needs good drainage,	Blue Rug	Juniperus	4-6 in.	3 ft.	Very low. Sun.
unscarified  LESPEDEZA, SHRUB	75 lbs 1.7	lb C		Inoculate seed v		nthus maximiliani	a second	M-L P		lovegrass	eed per pound. Mix with Weeping or other low-grwoing grasses or					partial shade. Blue or white flowers. Evergreen.	Juniper	horizontalis 'Wiltonii'			
Lespedeza bicolor Lespedeza thumbergii		M-L			2 PL	duce seeding rates by 50% w S is an abbreviation for Pure l L represents to Mountain; Blu	Live Seed. Refer	to Section V.E. of th	ese specifications.	legumes.		Bearberry Cotoneaster	Cotoneaster dammeri	2-4 ft.	5 ft.	White flowers, red fruit. Sun. Evergreen.	Parsons Juniper	Juniperus davurica 'Expansa'	18-24 in.	5 ft.	One of the best, good winter cover.
plants  LOVEGRASS, WEEPING  Eragrostis curvula	3' x3'	C -		Provide wildlife f	food and cover P rej	presents the Southern Piedmo presents the Souther Coastal	ont MLRA	**		As. See Figure	e 6-4.1	Ground Cover Cotoneaster	Cotoneaster salicifoluis 'Repens'	1-2 ft.	5 ft.	White flowers, red fruit. Sun. Evergreen.		(Squamata Parsoni)			
alone  with other perennials	4 lbs 0.1	P		1,500,000 seed Drought tolerant lespedeza on ro	per pound. Quick cover. c. Grows well with Sericea adbanks.			Ta	ble 6-5.4.			Rock Cotoneaster	Cotoneaster horizontalis	1-2 ft.	5 ft.	Semi-evergreen. Sun.	Pfitzer Juniper	Juniperus chinensis	6-8 ft.	6 ft.	Needs room,
\$				Covers for Pern				Trees for	Erosion Contro	ol		Virginia Creeper	Parthenocissue quinquefolia	low	3 ft.	Red in fall. Vine. Deciduous. Native to	1/A 25-240 - 250	'Pfitzerana'	0.10	4.0	F
Common Name			Mature Height			SITE	SOIL MATERIAL	COMMON SOILS	PLANTING TREE SPECIES <sup>1</sup>	SPACING	PLANTING DATES <sup>3</sup>	Daylily	Hemerocallis spp.	2-3 ft.	2 ft.	Georgia.  Many flower colors.	Prince of Wales Juniper	Juniperus horizontalis 'Prince of Wales'	8-10 in.	4 ft.	Feathery appearance.
Creeping	Liriope spica	ta	10-12 in.	1 ft.	Spreads by runners.	Borrow areas, graded areas,	Sandy	Lakeland, Troup	Loblolly pine (Pinus taeda)	2	M-L,P 12/1-3/15 C 12/1-3/1	English Ivy	Hedera helix	low	3 ft.	Full sun. Very hardy, Shade only. Climbs.	Sargent Juniper	Juniperus chinensis	1-2 ft.	5 ft.	Full sun. Needs good drainage. Good winter
Liriope						and spoil material		•	Longleaf pine (Pinus palustris)		100000000000000	Compacta Holly	llex crenata 'Compacta'	3-4 ft.	5 ft.	Sun, semi-shade.	.03	'Sargentii'		45	color.
Big Leaf Periwinkle	Vinca major		12-15 in.	4 ft.	Lilac flowers in spring. Semi-shade.				22		M-L,P 12/1-3/15	Chinese Holly	llex cornuta 'Rotunda'	3-4 ft.	5 ft.	Very durable. Sun, semi-shade.	Shore Juniper	Juniperus conferta	2-3 ft.	5 ft.	Emerald Sea or Blue Pacific cultivars are good.
Common	Vinca minor		5-6 in.	4 ft.	Lavender-blue		Loamy	Orangeburg, Tifton	Loblolly pine Slash pine Loblolly pine	2	C 12/1-3/1	Dwarf Burford Holly	llex burfordii 'Nana'	5-8 ft.	8 ft.		Liriope	Liriope muscari	8-10 in.	3 ft.	
Periwinkle					flowers in spring. Semi-shade						M-L,P 12/1-3/15	Dwarf Yaupon Holly	llex vomitoria 'Nana'	3-4 ft.	5 ft.	Very durable, sun, semi-shade.					
Cherokee	Rosa laeviga	ıta	2 ft.	5 ft.	Rampant grower. Not		Clay	Cecil, Faceville	Slash pine Virginia pine	2	C 12/1-3/1	GSWCC 2016 Edition				6-47	7 6-48				GSWCC 2018 Edition
Rose				57500 5000	for restricted spaces. State flower.				(Pinus virginiana)												
Memoria Rose	Rosa weuch	uriana	2 ft.	5 ft.	Rampant grower.	Streambanks			Willows <sup>4</sup> (Salix speciecs)	2 ft x 2 ft	ALL										
St. Johnswort	Hypericum c		8-12 in.	3 ft.	Semi-shade.	1 Other trees on	nd shruhs liete	ed on Table 6.29	5.3 may be interplan	ted with the r	oines for improved										
Anthony	Spirea buma		3-4 ft.	5 ft.	Sun.	wildlife benefit		on raine 0-2	may be interplate	ou mui uic j	os ioi improved										
Waterer Spirea		1977	102115055	(1554) The		<sup>2</sup> Type of Plantin Trees alone	ng			o, of Trees Pe	er Acre										DESIGNER GSWCC LEVEL II
Thunberg Spirea	Spirea thinbe	ergii	3-4 ft.	5 ft.	Sun.	Trees alone Trees in comb with grasses a				2722 1210											I CERTIFY UNDER PENALTY OF LAW THAT THIS PLAN WAS PREPARED AFTER A SITE VISIT TO THE LOCATIONS DESCRIBED HEREIN BY MYSELF OR MY AUTHORIZED
Opilica						with grasses a	andron outen p	auno OIL	C 9 16	12.10											AGENT UNDER MY DIRECT SUPERVISION.
	CO DICTU					M-L represents P represents ti			and Ridges and Va	llevs MLRAs											GSWCC GEORGIA SOIL AND WATER CONSERVATION COMMISSION
	S3 - DISTU CALE: XX = XX	KREN YI	KEA STABI	LIZATION			ne Southern C		nd Hills; Black Lands	and Atlantic	Coast Flatwoods ML										Asato Masuyama
						. J to local igo															Level II Certified Design Professional

GSWCC 2016 Edition

4 Fertilization of companion crop is ample for this species.

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SOUTH

MURPHEY CANDLER TRAIL - SITE DEVELOPMENT PLAN

SUBMITTALS / REVISIONS NO. DATE DESCRIPTION

PERMIT DRAWINGS

Level II Certified Design Professional

ASATO MASUYAMA, CERTIFIED DESIGN PROFESSIONAL

ESPC DETAILS

PROJECT NO. DATE 21031 07/01/2022 SCALE N.T.S. CHECKED BY

SHEET NO.

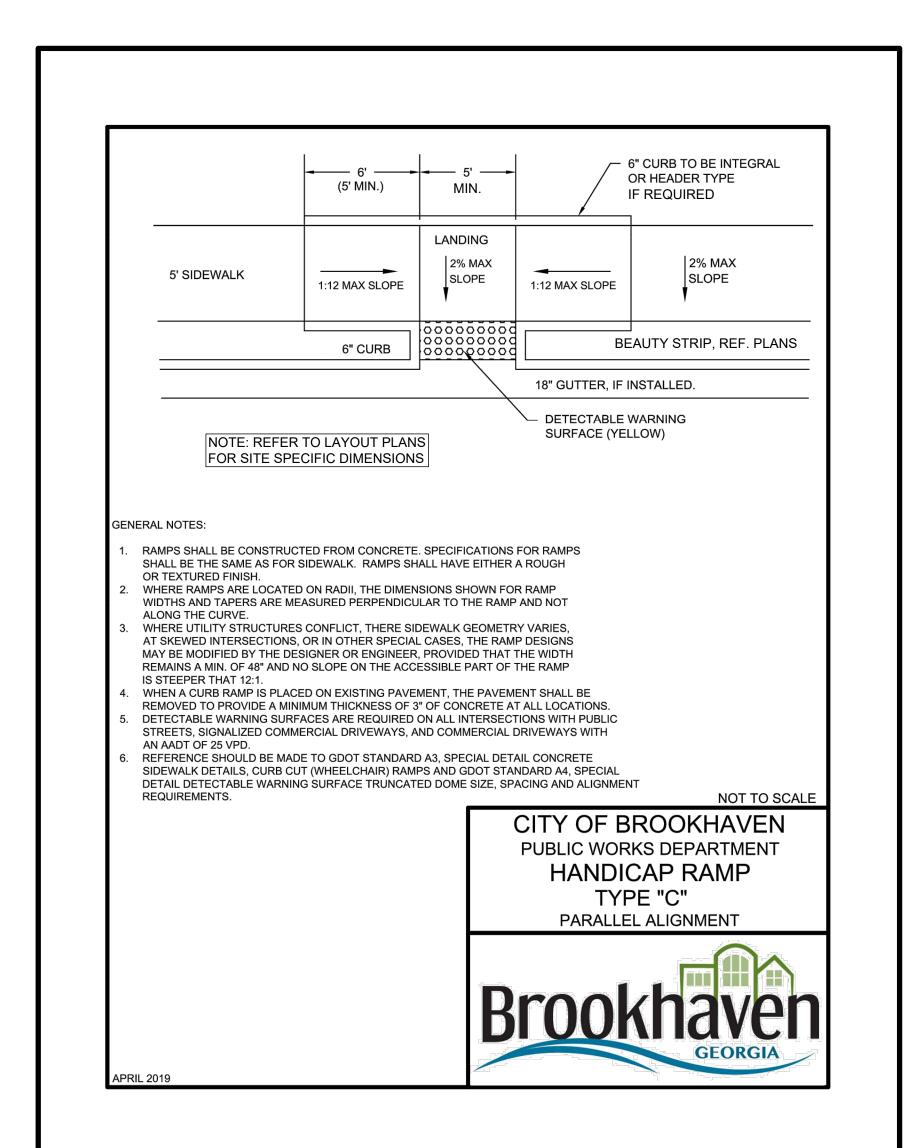
PLAN VIEW

1. TRANSITION IS NOT TO BE LOCATED WITHIN THE CURB RADIUS

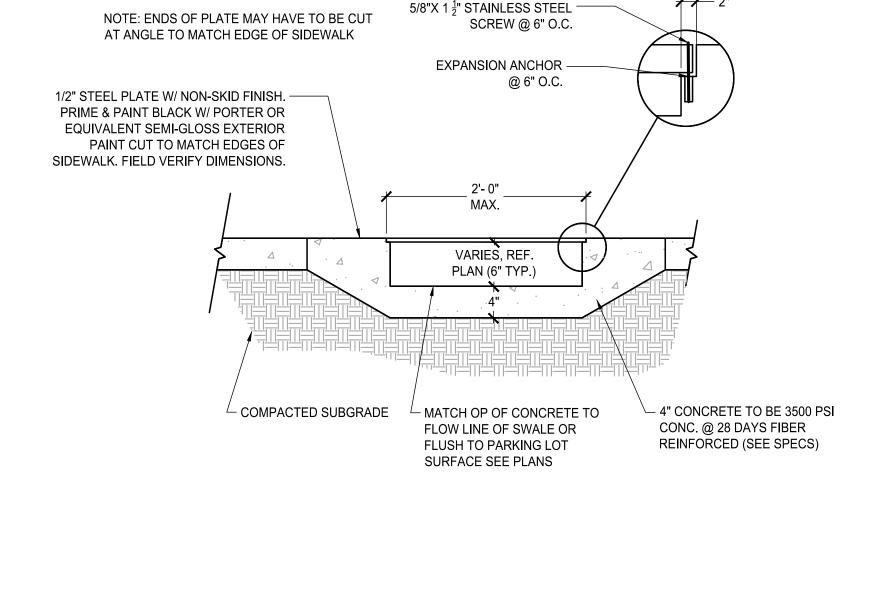
— 2'- 1 ½ " SECTION A-A SECTION B-B SECTION C-C

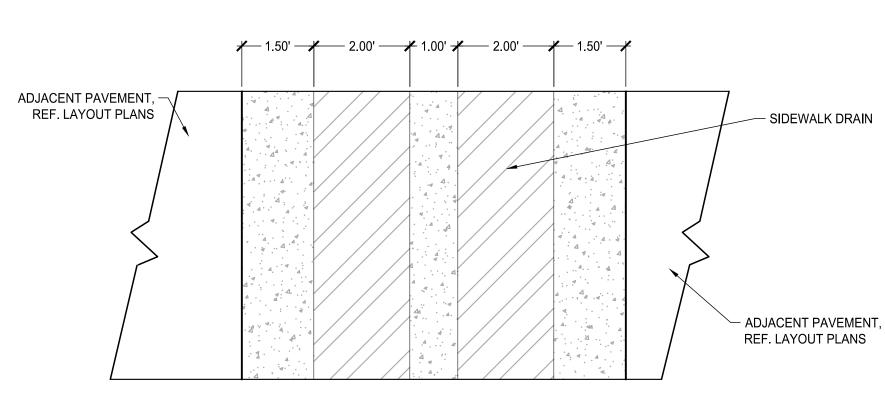
**CURB TRANSITION** SCALE: N.T.S.

SIDEWALK RAMP

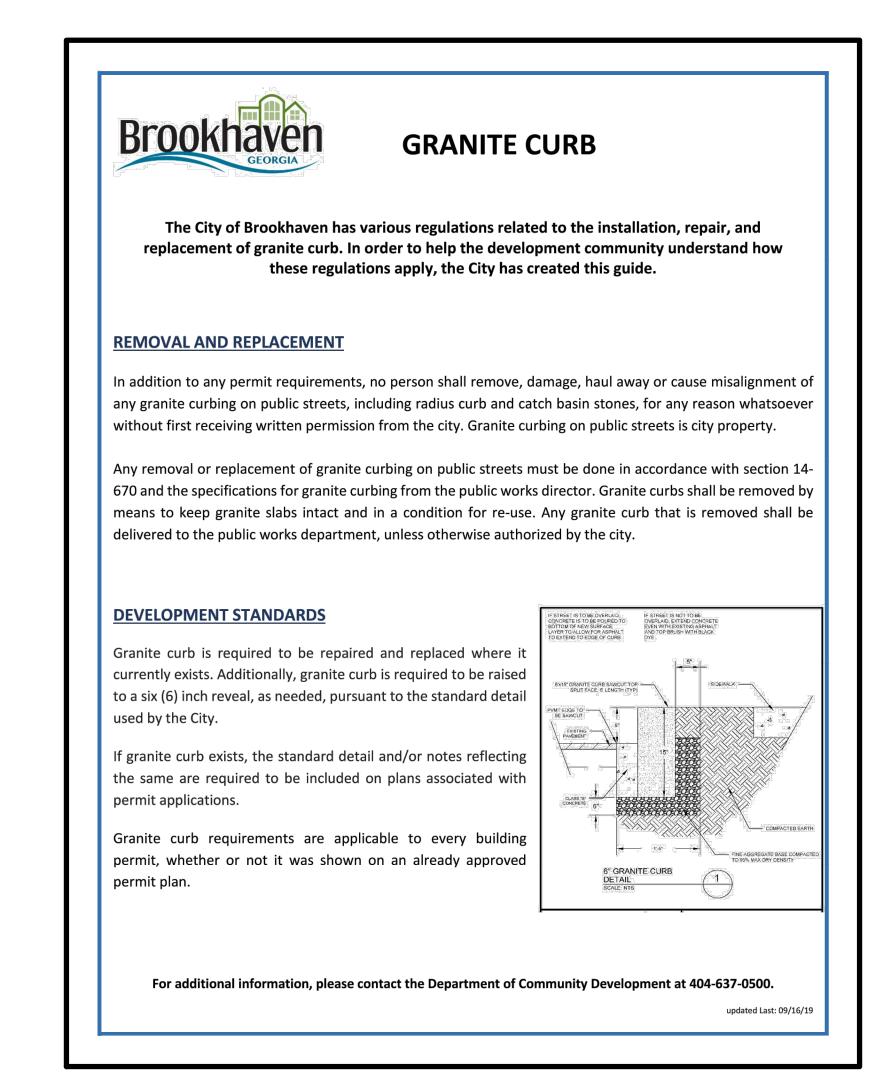






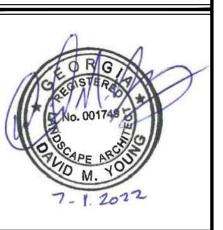


SIDEWALK DRAIN



**GRANITE POST CURB** 

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SOUTH **TRAIL** VELOPMENT CANDLER TE DEVELOPME

MURPHEY C SITE I

SOR	MITTALS	AEVISIONS
NO.	DATE	DESCRIPTION
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PERMIT DRAWINGS

SITE DETAILS

07/01/2022 DRAWN BY MTC N.T.S. CHECKED BY SHEET NO.

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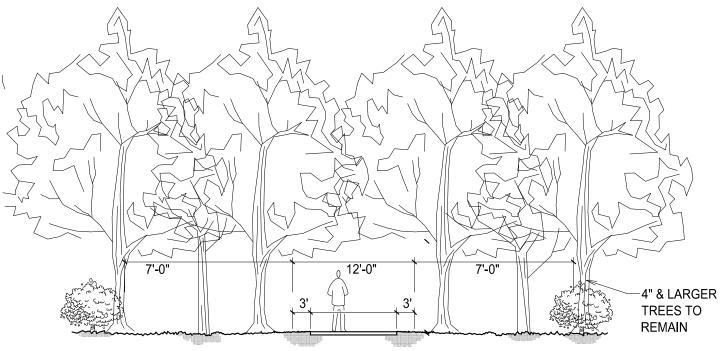
\*NOTIFY ARCHITECT IF TRAIL ROUTE INTERFERES WITH OVERSTORY SPECIMEN TREES OVER 18" D.B.H. PINE, POPLAR & SWEETGUM SPECIMEN TREES OVER 25" D.B.H AND UNDERSTORY/SMALL TREES OVER 8" D.B.H. LANDSCAPE ARCHITECT WILL SUGGEST RE-ROUTING TO AVOID REMOVAL OF SUCH TREES.

\*STAKE TRAIL CENTERLINE @ 50' INTERVALS IN FIELD AND NOTIFY LANDSCAPE ARCHITECT AND OWNER PRIOR TO CONSTRUCTION FOR TRAIL ALIGNMENT APPROVAL. FIELD ADJUSTMENTS TO SAVE SPECIMEN TREES SHOULD BE ANTICIPATED.

3" W. WHITE CENTERLINE STRIPE ON ALL ASPHALT TRAIL SECTIONS. DO NOT MARK CENTERLINE ON BRIDGES USE PAVEMENT MARKING PAINT -CONTRACTOR TO SUBMIT SAMPLE 10'-0" OR AS TO OWNER FOR APPROVAL. OTHERWISE NOTED ON PLANS - FINISHED GRADE 6" FIBER MESH REINFORCED (BACKFILL SIDE CONCRETE W/ MEDIUM FINISH 2% CROSS SLOPE MAX. SLOPES) 3000 PSI MIN. BACKFILL SIDES OF 12" TRAIL AND RESEED TYP. 6" GAB AGGREGATE TO SPEC.S (BOTH BOTH COURSE PER GDOT STANDARDS SIDES) 98% COMPACTED SUBGRADE

LIMITS OF DISTURBANCE TYP. **INSTALL EXCELSIOR MATTING** ON ALL SLOPES GREATER THAN OR EQUAL TO 3:1 (TYP. BOTH SIDES) \*INSTALL DIVERSION SWALES 2'-0" TYP. CONCRETE TRAIL -TO DIRECT DRAINAGE AWAY BEFORE EDGE FROM TRAIL. OF SLOPE **EXISTING GRADE** PROPOSED SLOPE 2% TYP. MAX GRADE \*TRAIL SURFACE SHALL BE SLOPED 2% DOWNHILL SIDE SLOPES UNLESS OTHERWISE SHALL NOT EXCEED 2.5:1 INDICATED TO PROVIDE CUT & FILL SLOPES SHALL FOR ADEQUATE DRAINAGE. TIE INTO EXISTING SLOPES **GRADING SECTION** TO CREATE AN EVEN TRANSITION.

**CONCRETE TRAIL SECTION** 



1. LANDSCAPE ARCHITECT SHALL FLAG TREES FOR REMOVAL. ADDITIONAL TREES MAY BE REMOVED BY CONTRACTOR AFTER ON-SITE CONSULTATION AND AGREEMENT OF LANDSCAPE ARCHITECT.

2. CONTRACTOR SHALL COMPLETELY CLEAR VEGETATION WITHIN 3' OF TRAIL EDGE, EXCEPT TREES 4" AND LARGER. CONTRACTOR SHALL CLEAR FOREST UNDERSTORY( TREES LESS THAN 4" CAL.) AND BRUSH FOR A DISTANCE OF 10' ON BOTH SIDES OF THE TRAIL. < OF TREES SHALL BE LIMBED UP TO A VERTICAL DISTANCE OF 10' FROM THE FOREST FLOOR IN THE 10' WIDE ZONE. BRANCHES SHALL BE CUT FLUSH WITH STANDARD TREE PRUNING EQUIPMENT, AS CALLED FOR IN THE TREE PRUNING SPECIFICATION & DETAIL 2A/C4.06 3. CONTRACTOR SHALL USE WOOD CHIPPER TO DISPOSE OF LANDSCAPE CLEARING DEBRIS. WOOD CHIPS

SHALL BE BLOWN INTO WOODS ADJACENT TO TRAIL. CONTRACTOR SHALL USE ALL PRACTICABLE MEANS TO REDUSE AMOUNT OF WASTE SENT FROM THIS JOB SITE TO LANDFILL. 4. IN AREAS WHERE TRAIL IS ROUTED ADJACENT TO WOODS EDGE, UNDERSTORY CLEARING SHALL EXTEND 15'

5. SEED AREA WITHIN CLEARING LIMITS ONLY IN FLOODPLAIN AS CALLED FOR IN SPECIFICATIONS

# **VEGETATION CLEARING FOR TRAILS**

SCALE: N.T.S.

1. UNLESS OTHERWISE NOTED, SEEDING SHALL BE INSTALLED ON ALL CUT AND FILL SLOPES, SHOULDERS, AND DISTURBED AREAS GENERATED BY CONSTRUCTION.

2. SEEDING SHALL BE INSTALLED AS SOON AS CONSTRUCTION IN AN AREA IS COMPLETED.

1. ALL SOIL IN LANDSCAPE BEDS TO BE AMENDED TO A DEPTH OF 3" TO 4" WITH NATIVE TOPSOIL WITH 5-10% FINISHED COMPOST / SOLID HUMATES AS THE ORGANIC MATTER. TO BE TILLED INTO THE EXPOSED CLAY SUBSOIL TO A DEPTH OF AT LEAST 3"

SEEDING PROCEDURES (REFER TO TABLES AT RIGHT FOR APPLICATION RATES): 1. SHAPE AND SMOOTH GRADE WHERE NEEDED TO PROVIDE FOR SAFE EQUIPMENT OPERATION AT

SEEDING TIME AND FOR MAINTENANCE PURPOSES. 2. SPREAD LIME AND FERTILIZER IN DRY FORM UNIFORMLY OVER THE AREA IMMEDIATELY BEFORE

SEEDBED PREPARATION. 3. SCARIFY SEEDBED TO A DEPTH OF 1" TO 4" AS DETERMINED ON-SITE. THE SEEDBED MUST BE WELL

PULVERIZED, SMOOTHED, AND FIRMED PRIOR TO SEED INSTALLATION. 4. DISTRIBUTE SEED UNIFORMLY OVER FRESHLY PREPARED SEEDBED WITH CULTIPACKER-SEEDER, DRILL,

ROTARY SEEDER, OR OTHER MECHANICAL OR HAND SEEDER. 5. WITHIN 24 HOURS AFTER SEEDING, STRAW OR HAY MULCH SHALL BE SPREAD UNIFORMLY OVER THE

AREA, LEAVING ABOUT 25% OF THE GROUND SURFACE EXPOSED. MULCH SHALL BE SPREAD WITH BLOWER-TYPE MULCH EQUIPMENT OR BY HAND AND ANCHORED IMMEDIATELY AS IT IS SPREAD. A DISK HARROW WITH THE DISK SET OR A SPECIAL PACKER DISK MAY BE USED TO PRESS THE MULCH INTO

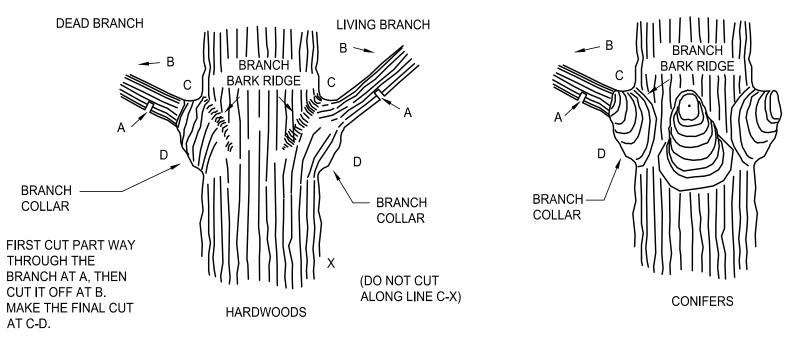
6. WITHIN 24 HOURS AFTER SEEDING AN PLACEMENT OF MULCH, WATER AREA TO A SATURATION DEPTH OF  $\frac{1}{2}$ ".

WHEN PLANTS ARE 2" TO 4" TALL, TOPDRESS AREA WITH SEED AND APPLY FERTILIZER (5-10-15) AT A

2. AT THE BEGINNING OF THE SECOND GROWING SEASON, APPLY FERTILIZER (5-10-15) AT A RATE OF 800 LBS. / ACRE.



DISTURBED AREA SEEDING

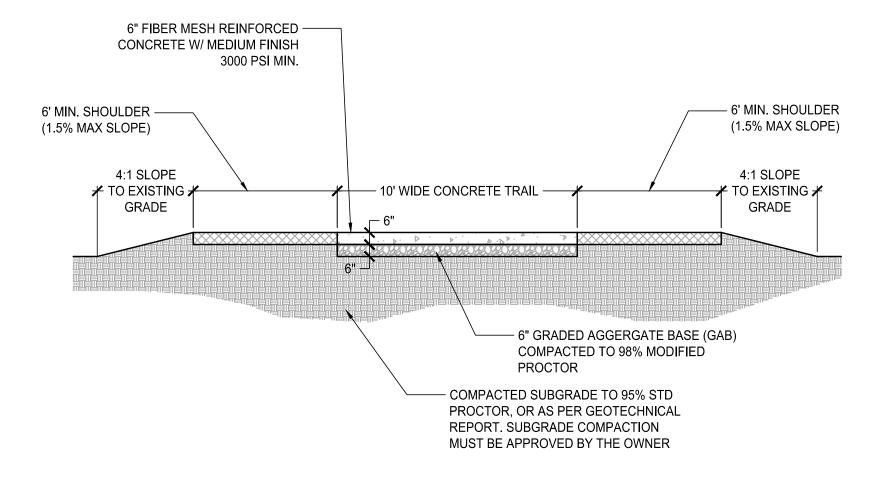


THANKS LARGELY TO THE WORK OF DR. ALEX L. SHIGO AND OTHERS SCIENTISTS AT THE USDA FOREST SERVICE'S NORTHEASTERN FOREST EXPERIMENT STATION IN DURHAM, NH. MUCH IS NOW UNDERSTOOD ABOUT A TREE'S NATURAL SYSTEM OF DEFENSE AGAINST INFECTIONS FROM WOUNDS. BASED ON THIS KNOWLEDGE, THESE METHODS OF MAKING PRUNING CUTS ARE RECOMMENDED TO HELP WORK WITH RATHER THAN AGAINST A TREE'S NATURAL TENDENCY TO WALL OFF INJURED TISSUES AND PREVENT THE SPREAD OF DECAY. IN THESE ILLUSTRATIONS, FINAL CUTS SHOULD BE MADE FROM POINTS C TO D. DO NOT CUT ALONG LINE C-X WHICH IS SIMPLY AN IMAGINARY VERTICAL LINE TO HELP YOU LOCATE C-D

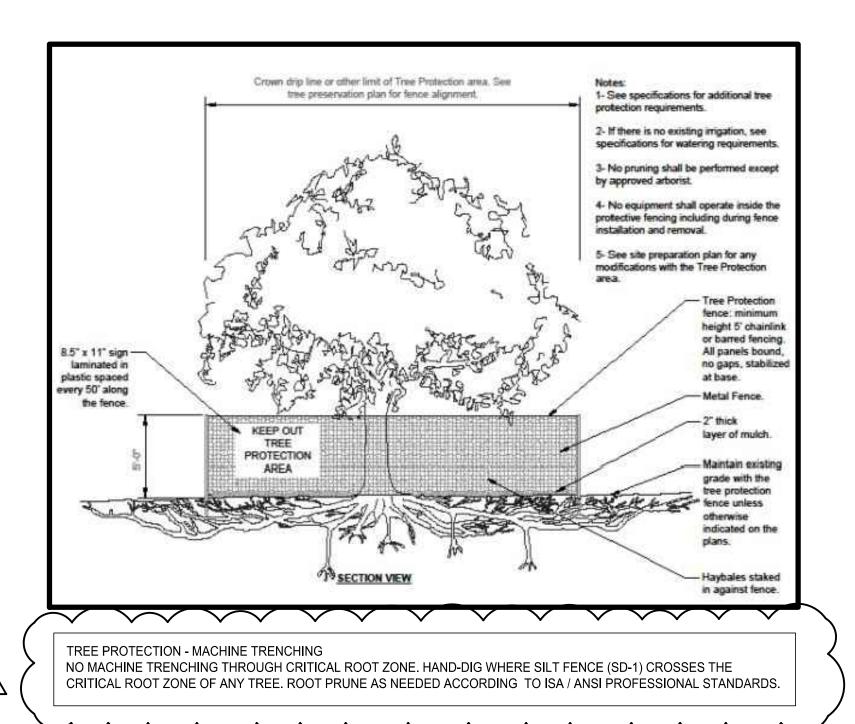
TREE PRUNING TO BE PERFORMED AS NEEDED BY THE CONTRACTOR



TREE PRUNING



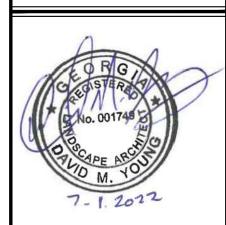
**CONCRETE TRAIL SECTION - EASEMENT CROSSING** 



TREE PROTECTION (BROOKHAVEN)

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SOUTH

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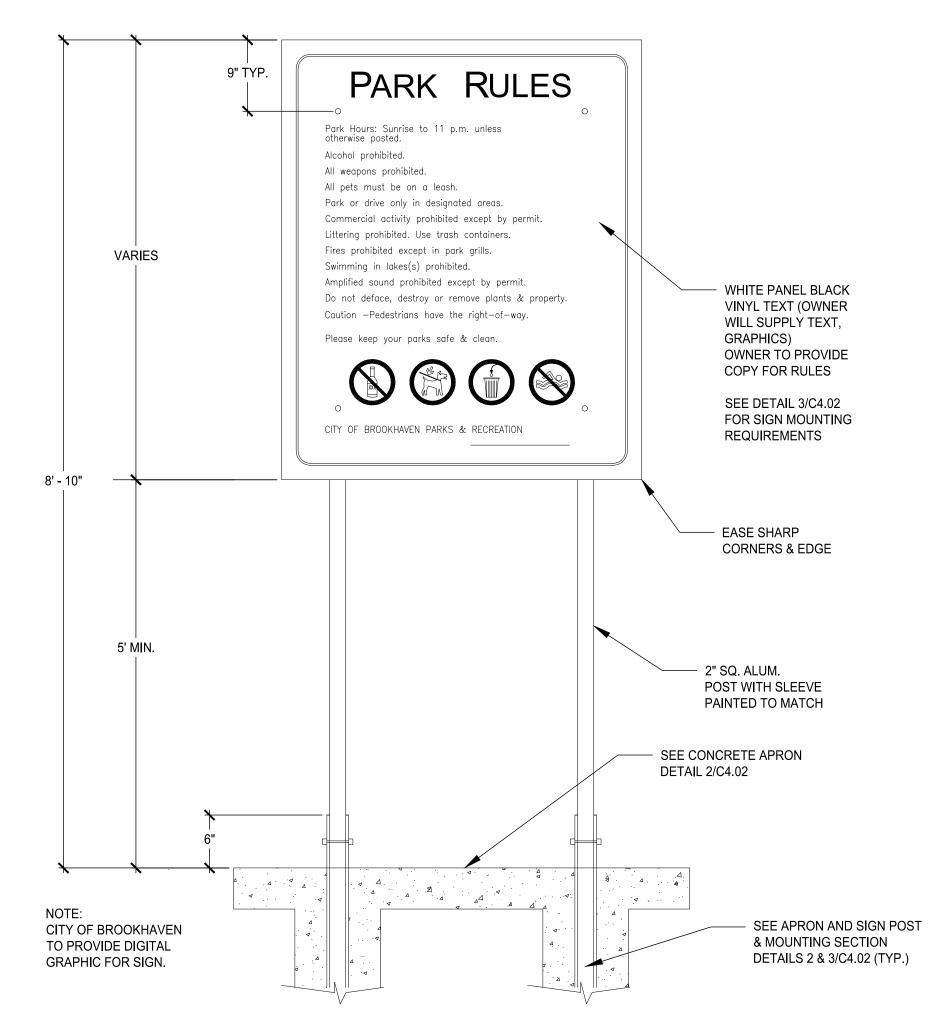
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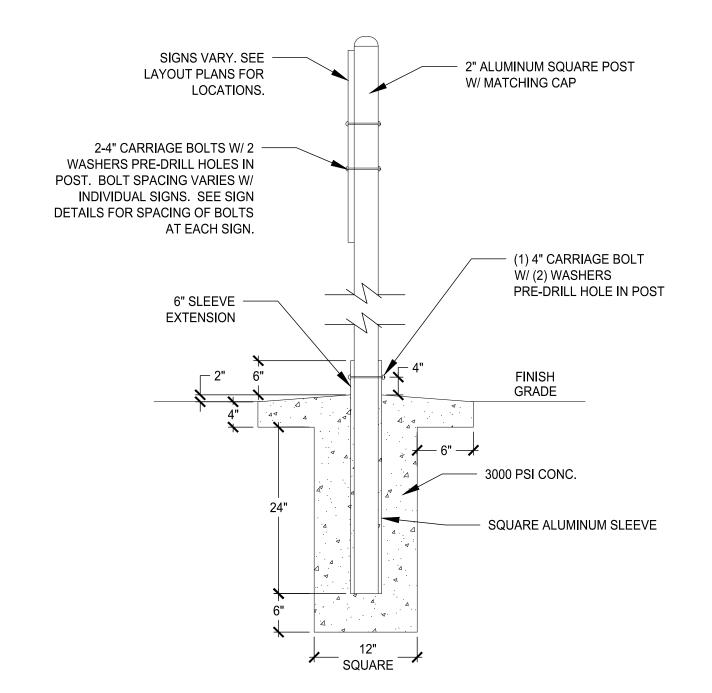
SITE DETAILS

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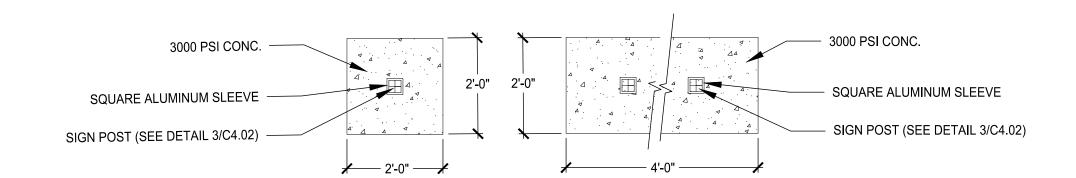
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PARK RULES SIGN (PROVIDE 1) SCALE: N.T.S.

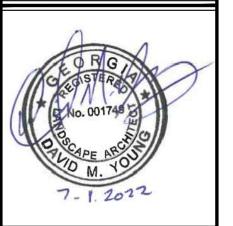


SIGN POST & MOUNTING SECTION SCALE: N.T.S.



POST INSTALLATION APRON SCALE: N.T.S.

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SOUTH MURPHEY CANDLER TRAIL
SITE DEVELOPMENT PLAI

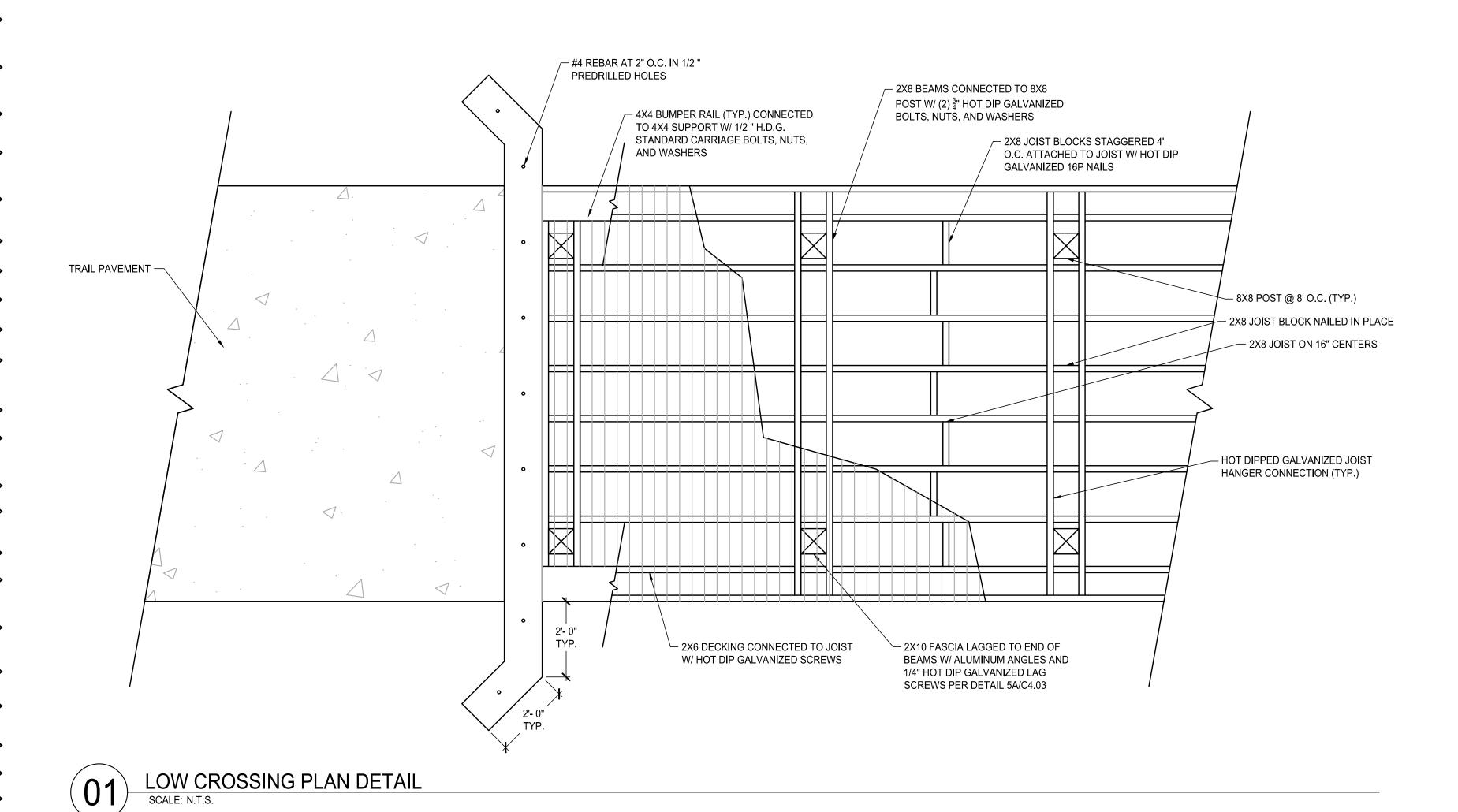
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PROJECT NO. DATE 21031 07/01/2022 DRAWN BY MTC CHECKED BY DMY SHEET NO. SCALE N.T.S.

C4.02



─ 4X4 BUMPER RAIL CONNECTED TO 4X4 SUPPORT W/ 1/2"" H.D.G. STANDARD CARRIAGE BOLTS, NUTS, AND WASHERS 4X4 SUPPORT CONNECTED TO 2X6 PLANK W/ 1/2"" H.D.G. STANDARD CARRIAGE BOLTS, NUTS, AND 2X10 FASCIA LAGGED TO END OF BEAMS W/ 1/4"" LAG SCREWS TOP OF FASCIA TO BE FLUSH W/ DECKING — PLACE ALUMINUM FLASHING CAP ON - 2X8 JOIST CONNECTED TO BEAM BY TOP OF EACH PILE 16 GAUGE HOT DIPPED GALVANIZED JOIST HANGERS EXISTING GRADE — CONCRETE FOOTING SEE3/C4.02 -- 2X8 BEAM CONNECTED TO 8X8 WOOD POST W/ (2) 3/4" GALVANIZED ─ 8" WOOD POSTS BOLTS, NUTS, AND WASHERS

— 10' - 0" CLEAR DISTANCE —

02 LOW CROSSING SECTION
SCALE: N.T.S.

END OF 4X4 BUMPER RAIL CUT FLUSH — W/ THE END FACE OF 4X4 SUPPORT /-- 4X4 BUMPER RAIL CONNECTED TO 4X4 SUPPORT W/ 1/2"" H.D.G. STANDARD CARRIAGE BOLTS, NUTS, 6X8 TIMBER TIES TOENAILED W/ 60D — AND WASHERS BUMBER RAIL SECURED HOT DIP GALVANIZED NAILS, 2'-0" D.C. 8' O.C. MAX. NUMBER OF TIES MAY VARY PER - USE 1/2" HOT DIP GALVANIZED SITE CONDITIONS CARRIAGE BOLTS W/ 1" WASHERS COUNTERSINK TOP OF BOLT FLUSH W/ TOP SURFACE OF RAIL TRAIL PAVEMENT -- SPLICE 4"X4" RAIL 12' O.C. AS SHOWN — 4X4 SUPPORT CONNECTED TO 2X6 INGRESS AND EGRESS TO PLANK W/ 1/2" H.D.G. STANDARD BOARDWALK SHALL NOT CARRIAGE BOLTS, NUTS, AND EXCEED 8.33% OR 1:12 WASHERS — 1/2" HOT DIP GALVANIZED CARRIAGE BOLTS, NUTS, AND WASHERS W/ NUT #4 REBAR @ 2'-0" O.C. FOR TIMBER — EXSPOSURE ON INSIDE TIES IN 1/2" DIA. PRE-DRILLED HOLES REBAR @ 18" DEPTH MIN. INTO — - 2X10 FASCIA LAGGED TO END OF COMPACTED SUBGRADE BEAMS W/ ALUMINUM ANGLE (SEE 5A THIS SHEET) COLUMN BASE-GALV, FINISH, BOLT -TO POST, GALV. HARDWARE TO BE INSTALLED PER MANUFACTURER'S SPECS. (TYP.)

- 8X8 POST W/ SPACING

8' O.C. MAX

└─ BOARDWALK HEIGHT VARIES AS PER

SITE CONDITIONS- SEE PLAN FOR

HEIGHT, 1'- 6" MAX

CONCRETE FOOTING

@ 3000 PSI (TYP.)

03 LOW CROSSING ELEVATION SCALE: N.T.S.

#57 CRUSHED STONE FOR LEVELING —

AS NEEDED

NOTES

1. ATTACH BEAMS TO POST WITH 3/4" HOT DIP GALVANIZED CARRIAGE BOLT.

USE LOCK WASHERS @ ALL NUTS.

USE TWO BOLTS AT OUTSIDE BEAMS TO POST CONNECTIONS
 ATTACH DECKING TO JOIST W/2- 6 GAUGE 2 1/2" FLAT HEAD HOT DIPPED GALVANIZED SCREWS. SPACE DECK BOARDS 1/4", LINE UP SCREWS FULL LENGTH OF BOARDWALK.

ATTACH JOIST TO BEAMS W/ HOT DIP GALVANISED JOIST HANGERS.
 CONNECT TOP RAIL TO POST W/ 3" WOOD SCREWS (2 MIN. / JUNCTION). ALL

CONNECTORS TO BE HOT DIP GALVANIZED.

6. SAND EDGES & FACE OF RUB RAIL & HANDRAIL TO REMOVE SPLINTERS.

7. SEAL ALL BOARDWALK STRUCTURES & OVERLOOK STRUCTURES WITH PENETRATING

SEALERS AS MANUFACTURED BY THOMPSON OR EQUIVALENT UPON COMPLETING ALL CARPENTRY WORK EXCEPT WHERE PAINT IS CALLED FOR ON PLANS.

8. ALL NAILS, SCREWS, BOLTS, NUTS AND WASHERS TO BE HOT DIP GALVANIZED.

9. ALL 2X6 DECKING, RAIL CAPS AND HAND RAILS TO BE #1 DENSE PRESSURE TREATED

SOUTHERN YELLOW PINE: AWPA C2, U1, T1 PRESSURE TREATED.

10. ALL OTHER MEMBERS TO BE NO.2 PTP - SEE SPECIFICATIONS FOR TREATMENT.

ALL STEEL HARDWARE USED FOR PIER CONSTRUCTION SHALL BE HOT -DIPPED GALVANIZED.
 MINIMUM POLE PENETRATION FOR FIXED PIERS SHALL DEPEND ON SITE CONDITIONS.

ALL PILES SHALL HAVE A CONCRETE FOOTING AS SHOWN.

13. SMALL MEMBERS SHALL HAVE PRE-DRILLED HOLES TO PREVENT SPLITTING DURING CONSTRUCTION.

14. ALL ANGLES AND STRUCTURAL PLATES SHALL BE HOT DIPPED GALVANIZED.15. ANY DISCREPANCIES FOUND ON THIS DRAWING SHALL BE BROUGHT TO THE ATTENTION

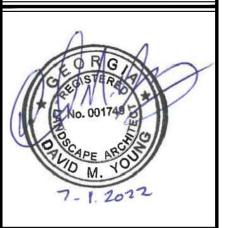
OF THE ENGINEER PRIOR TO CONSTRUCTION.

BOARDWALK NOTES

SCALE: N.T.S.

DESIGN SPACES FOR LIFE.

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CANDLER TRAIL - SOUTH E DEVELOPMENT PLAN

SUBMITTALS / REVISIONS
NO. DATE DESCRIPTION

MURPHEY

DEDMIT DRAWINGS

PERMIT DRAWINGS

SITE DETAILS - LOW CROSSING

PROJECT NO. 21031 DATE 07/01/2022
DRAWN BY SCALE N.T.S.
CHECKED BY

SHEET NO.

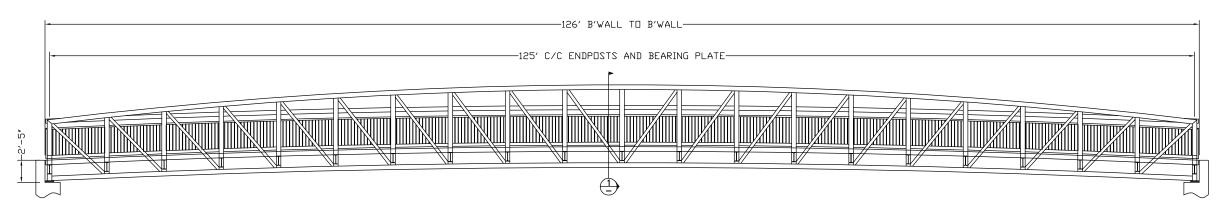
C4.03

DESIGN CRITERIA

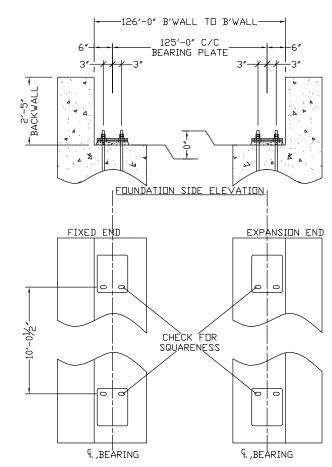
THIS BRIDGE IS DESIGNED BASED ON THE FOLLOWING CRITERIA:

1. DEAD LOAD OF 107 PSF PLUS EVENLY DISTRIBUTED LIVE LOAD
OF 90 PSF.

OF 90 PSF.
2. DEAD LOAD PLUS CONCENTRATED LIVE LOAD OF 10,000 POUNDS.
3. WIND LOAD OF 35 PSF CALCULATED ON THE ENTIRE PROJECTED VERTICAL SURFACE AS THOUGH FULLY ENCLOSED PER AASHTO.



SIDE ELEVATION VIEW



FOUNDATION PLAN VIEW

UNFACTURED ABUTMENT REACTIONS

(EXCLUDES IMPACT)

VERT. DL = 66.9 KIPS

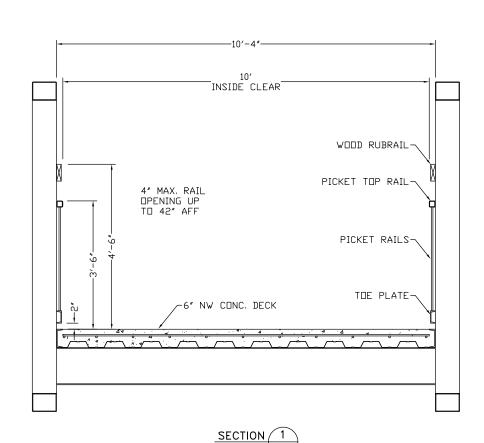
VERT. LL = 56.3 KIPS

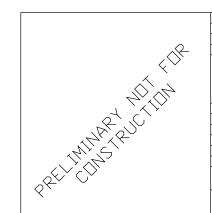
HORIZ. (WIND) = 18.4 KIPS

THERMAL LONG. = 13.4 KIPS

NET UPLIFT (WIND) AT ONE BP = NONE

NET FACTORED UPLIFT = NONE





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DESCRIPTION	10′×125′	CORN	ERSTO	NE PED	ES	STRIAN	V I	BRID	GE
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\*NOTE: DIMENSIONS AND REACTIONS ARE SUBJECT TO CHANGE BASED ON FINAL DESIGN.

## STRUCTUAL GENERAL NOTES

#### DESIGN AND CODE INFORMATION

- 1. All construction shall conform to the 2018 INTERNATIONAL BUILDING CODE with 2020 GEORGIA STATE AMENDMENTS.
- 2. Verify existing conditions and dimensions. Immediately notify the engineer of record of any conditions which do not comply with plans and specifications. Structural drawings shall be coordinated with the civil drawings.
- Contract documents shall not be reproduced for use as shop drawings.
- 4. The design adequacy of all temporary bracing and shoring is the sole responsibility of the contractor.
- 5. Refer to architectural, mechanical, plumbing, electrical, and civil drawings for locations of miscellaneous items (openings, bent plates, inserts, etc.) affecting structural work.

```
6. DEAD LOADS
 6.1. Boardwalk:
  6.1.1. Selfweight
  6.1.2. Miscellaneous: 5 psf
 6.2. Pedestrian Bridge
  6.2.1. Selfweight
```

#### 7. LIVE LOADS

7.1.	Bridge:	125 ps
7.2.	Boardwalk:	100 ps
7.3.	Wall surcharge load — plazas:	100 ps
7.4.	Observation platforms:	100 ps

7.5. Boardwalk Handrails (Design & detailing by others): 7.5.1. Uniform Load: 50 plf in any direction 7.5.2. Concentrated Load: 200 lb at any point in any direction

## 8. WIND DATA (per ASCE 7-16):

```
8.1. Basic Wind Speed (3-sec qust): Vult = 106 \text{ mph Vasd} = 90 \text{ mph}
8.2. Risk Category: II
8.3. Exposure Category: B
```

# 9. SEISMIC DATA (per ASCE 7-10):

```
9.1. Risk Category: II
9.2. Importance Factor: I = 1.0
```

9.3. Mapped Spectral Response Accelerations: 9.3.1. Ss = 0.1989.3.2.  $S_1 = 0.092$ 

#### 9.4. Site Class: D 9.5. Spectral Response Coefficients: 9.5.1. $S_{ds} = 0.211$

9.5.2. Sd1 = 0.1489.6. Seismic Design Category: C

9.7. Basic Seismic Force Resisting System 9.7.1. Bridges: Inverted Pendulum Structure 9.7.2. Boardwalks: Braced Wood Frames

9.8. Response Modification Coefficient: 9.8.1. Bridge: R = 2.09.8.2. Boardwalk: R = 1.5

9.9. Seismic Response Coefficient, 9.9.1. Bridge: Cs = 0.1408

9.9.2. Boardwalk: Cs = 0.14089.10. Base Shear:

9.10.1. Bridge: 9.10.1.1. Total = 125.3 kips

9.10.1.2. Ea Pier = 23.3 kips, maximum 9.10.2. Boardwalk: 3.38 kips

## SPECIAL INSPECTIONS AND TESTING

Boardwalk: Special Inspections not required. Retaining Walls: Inspections not required per local Code

3. Pedestrian Bridge: Refer to sheet S3.02 for Special Inspections Requirements

## STRUCTURAL OBSERVATIONS

1. The Structural Engineer of Record has not been employed to perform periodic visual observation of the structures during construction for general conformance to the contract design drawings.

## FOUNDATION NOTES

- 1. The foundation design is based the following assumptions.
- 2. Contractor shall thoroughly read and understand the recommendations contained in the geotechnical report prior to start of construction. The report requires remedial work to be done to some areas of the subgrade prior to construction of the structures' foundations.
- 3. Footings are designed to bear on uniform soils capable of supporting 3000 psf. Design assume differential and total settlements are within accepted tolerances for the type of construction used.
- 4. The soil bearing capacity and consistency shall be verified for the foundation limits by a professional geotechnical engineer registered in the project state when the foundation excavations have been carried down to the proposed elevations. The bottom of all footings shall be a minimum of 2'-0" below finished grade.
- 5. Where footing excavations are to remain open and may be exposed to rainfall, the excavations shall be undercut and a 3 inch thick mud mat of 2000 psi concrete shall be placed in the bottom to protect the soils.

#### BOARDWALK BENTS & BRACING DESIGN NOTES:

1. All wood shall be pressure treated & rated for ground contact.

2. Minimum design loads: 2.1. Dead — structure selfweight + 5 psf 2.2. Live - 100 psf 2.3. Wind — Calculated per ASCE 7-10 2.4. Seismic — Calculated per ASCE 7—10

#### REINFORCED CONCRETE

- 1. The design of all concrete work shall conform to ACI 318—14 "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE".
- 2. Reinforcing steel shall be deformed bars meeting the requirements of ASTM A615, Grade 60.
- 3. The 28-day compressive strength of all cast-in-place concrete shall

be: 3.1. Boardwalks' footings 3000 psi 3.2. Bridge abutments, foundations — 4000 psi -4000 psi 3.3. Walls, piers, beams

3.4. Site concrete — see Civil Drawings

4. All concrete shall be air—entrained.

5. Lap splices for reinforcing bars shall be as follows per ACI 318-11:

BAR SIZE	STD LAP	1.3 x STD LAP
4	24"	32"
5	32"	40"
6	37"	48"
7	54"	70"
8	62"	80"
9	70"	92"

Use Std Lap lengths except when horizontal reinforcing has more than 12" of fresh concrete cast below it, then use 1.3 x Std Lap lengths.

6. Clear concrete cover for reinforcing steel shall be: 6.1. Footings cast against soil or rock — 3"

6.2. Footing cast against forms 6.3. Walls - 2"

- 7. Longitudinal reinforcing in footings and walls shall be continuous around
- 8. Mechanical vibrators shall be used to vibrate all concrete.
- 9. Chamfer exposed corners of walls  $\frac{3}{4}$ ".
- 10. Exposed faces of bridge abutment walls shall be formed with form liners as specified by the owner.
- 11. Concrete shall be sampled and tested in accordance with project specifications. A copy of all concrete compressive strength tests

reports shall be kept at the job site at all times for review by the inspector.

#### LUMBER FRAMING

- 1. All framing members shall be Southern Yellow Pine, 19% moisture content unless otherwise noted, and the following grades:
- 1.1. 2x members: No. 2 1.2. 4x6, 6x6 members: Select Structural
- 2. All framing members shall be pressure treated, rated for ground contact.
- 3. All metal connectors shall be manufactured by Simpson Strong—Tie, Inc, or equivalent.
- 4. All screws used in wood connections shall be 'SDWS' screws as manufactured by Simpson Strong—Tie.
- 5. All bolts shall meet the requirements of ASTM A307 or F1554.
- 6. All metal connectors, screws, bolts, nuts, washers, etc., shall be hot dipped galvanized. All Simpson products shall be either hot dipped galvanized or have a Z-MAX coating.



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SOUTH SANDLER TRAIL -

MURPHEY (

SUBMITTALS/REVISIONS NO. DATE DESCRIPTION

STRUCTURAL **GENERAL NOTES** 

PERMIT SET

SHEET TITLE

DRAWN BY EMC CHECKED BY EMC SHEET NO.

> **S0.01** Permit # LDP22-00012

## STRUCTURAL SPECIAL INSPECTION SCHEDULES - PEDESTRIAN BRIDGE:

THE STATEMENT OF SPECIAL INSPECTION IS SUBMITTED AS A CONDITION FOR PERMIT ISSUANCE IN ACCORDANCE WITH THE SPECIAL INSPECTION AND STRUCTURAL TESTING REQUIREMENTS OF THE BUILDING CODE. IT INCLUDES A SCHEDULE OF SPECIAL INSPECTION SERVICES APPLICABLE TO THIS PROJECT.

THE SPECIAL INSPECTOR SHALL KEEP RECORDS OF ALL INSPECTIONS AND SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL AND THE REGISTERED DESIGN PROCESSIONAL IN RESPONSIBLE CHARGE. DISCOVERED DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF SUCH DISCREPANCIES ARE NOT CORRECTED, THE DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE BUILDING OFFICIAL AND THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE. THE SPECIAL INSPECTION PROGRAM DOES NOT RELIEVE THE CONTRACTOR OF HIS OR HER RESPONSIBILITIES.

INTERIM REPORTS SHALL BE SUBMITTED TO THE BUILDING OFFICIAL AND THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE.

A FINAL REPORT OF SPECIAL INSPECTIONS DOCUMENTING COMPLETION OF ALL REQUIRED SPECIAL INSPECTION, TESTING, AND CORRECTION OF AN DISCREPANCIES NOTED IN THE INSPECTIONS SHALL BE SUBMITTED PRIOR TO ISSUANCE OF A CERTIFICATE OF USE AND OCCUPANCY. JOB SITE SAFETY AND MEAN AND METHODS OF CONSTRUCTION ARE SOLELY THE RESPONSIBILITY OF THE CONTRACTOR.

	SPECIAL INSPECTION SCHEDULE: FABRICATORS					
	VERIFICATION AND INSPECTION TASK	APPLICABLE TO THIS	FREQUENCY			
	VENTITION AND INSPECTION TASK	PROJECT?	CONTINUOUS	PERIODIC		
1.	VERIFY FABRICATION AND IMPLEMENTATION PROCEDURES:					
	A. STEEL CONSTRUCTION — BRIDGES	N				
	B. CONCRETE CONSTRUCTION (INCLUDING REBAR FABRICATION)	N				
	C. WOOD CONSTRUCTION	N				
	D. COLD-FORMED METAL CONSTRUCTION	N				
	E. OTHER CONSTRUCTION	N				

	SPECIAL INSPECTION SCHEDULE: SOILS				
	VERIFICATION AND INSPECTION TASK	APPLICABLE TO THIS	FREQUENCY		
	VENTITION AND INSPECTION TASK	PROJECT?	CONTINUOUS	PERIODIC	
1.	VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY	Y	1	X	
2.	VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL	Y	-	X	
3.	PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS	Y		X	
4.	VERIFY USE OF PROPER MATERIALS, DENSITIES, AND LIFT THICKNESS DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.	Y	X		
5.	PRIOR TO PLACEMENT OF COMPACTED FILL, OBSERVE SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	Y		Х	

	SPECIAL INSPECTION SCHEDULE: CAST-IN-PLACE FOUNDATION ELEMENTS						
	VERIFICATION AND INSPECTION TASK  APPLICABLE FREQUENCY TO THIS						
	VENTITION AND INSIDERTION TASK	TO THIS PROJECT?	CONTINUOUS	PERIODIC			
SPECIAL INSPECTIONS AND VERIFICATIONS FOR CONCRETE     FOUNDATION CONSTRUCTION IN ACCORDANCE WITH THE     SPECIAL INSPECTION SCHEDULE							
	A. ISOLATED SPREAD CONCRETE FOOTINGS	Y		Х			
	B. CONTINUOUS CONCRETE FOOTINGS SUPPORTING WALLS Y X						
	C. CONCRETE FOUNDATION WALLS	Y		Х			

	SPECIAL INSPECTION SCHEDULE: CONCRETE CONSTRUCTION					
	APPLICABLE FREQUENCY					
	VERIFICATION AND INSPECTION TASK	TO THIS PROJECT?	CONTINUOUS	PERIODIC		
1.	INSPECTION OF REINFORCING STEEL, INCLUDING PLACEMENT.	Y	x			
2.	INSPECTION OF REINFORCING STEEL WELDING IN ACCORDANCE WITH THE SPECIAL INSPECTION SCHEDULE: STEEL CONSTRUCTION OTHER THAN STRUCTURAL STEEL, ITEM 3.	N				
3.	INSPECTION OF ANCHORS CAST IN CONCRETE WHERE ALLOWABLE LOADS HAVE BEEN INCREASED OR WHERE STRENGTH DESIGN IS USED.	Y		х		
4.	INSPECTION OF ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS.	Y		Х		
5.	VERIFYING USE OF REQUIRED DESIGN MIX.	Y		Х		
6.	AT THE TIME FRESH CONCRETE IS SAMPLED TO FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	Y	X			
7.	INSPECTION OF CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	Y		Х		
8.	INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	Y		Х		
9.	INSPECTION OF PRESTRESSED CONCRETE:					
	A. APPLICATION OF PRESTRESSING FORCES	N				
	B. GROUTING OF BONDED PRESTRESSING TENDONS IN THE SEISMIC-FORCE-RESISTING SYSTEM.	N				
10.	ERECTION OF PRECAST CONCRETE MEMBERS.	Υ	Х			
11.	VERIFICATION OF IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POST-TENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS.	N				
12.	INSPECT FORMWORK FOR SHAPE, LOCATIONS AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	Y	Х			



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SOUTH

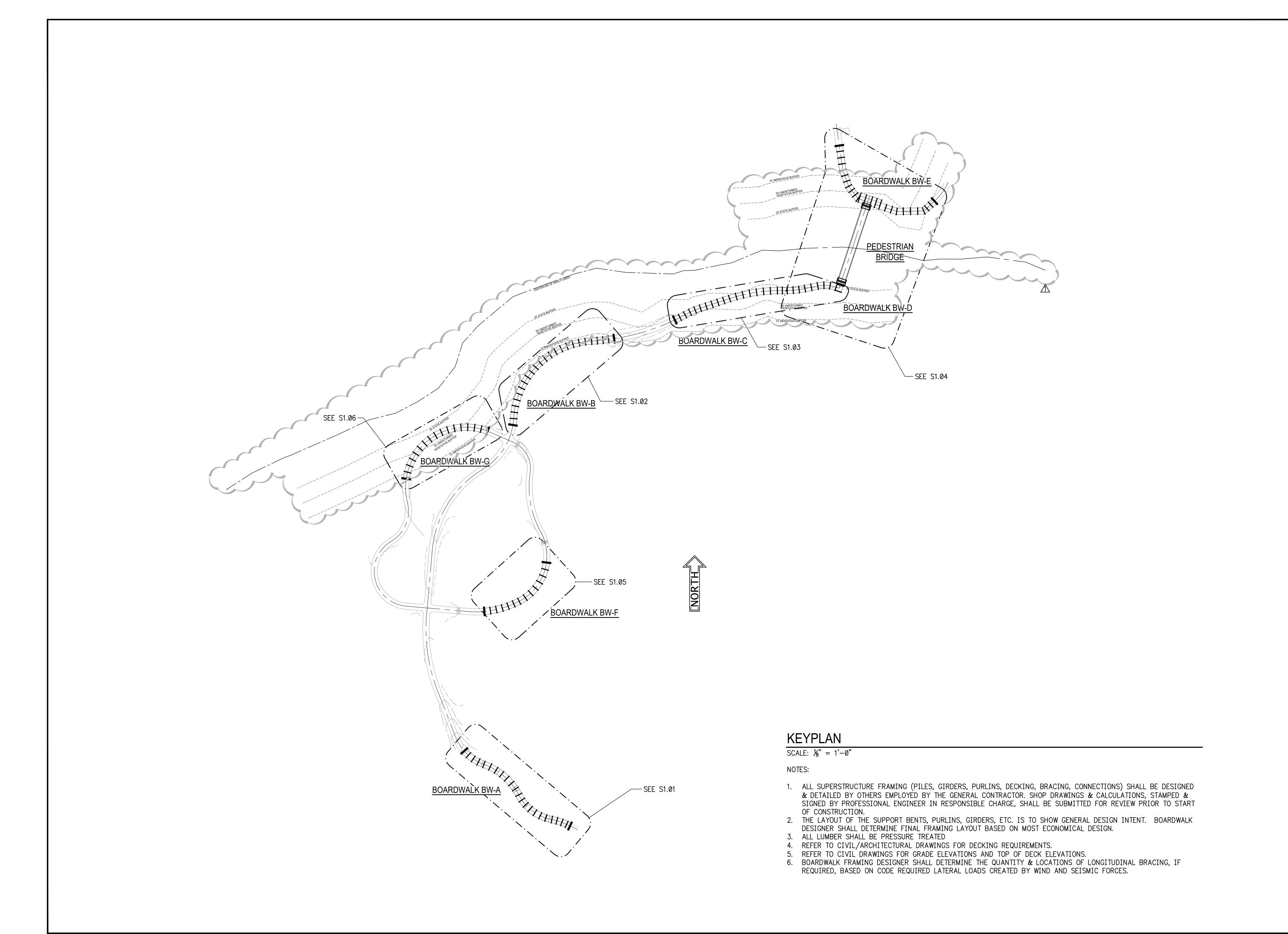
MURPHEY CANDLER TRAIL
SITE DEVELOPMENT PLANS

SUBMITTALS/REVISIONS NO. DATE DESCRIPTION

STRUCTURAL SPECIAL INSPECTION PLAN

PROJECT NO. 21031 DATE 02/04/2022

DRAWN BY SCALE EMC CHECKED BY EMC SHEET NO.



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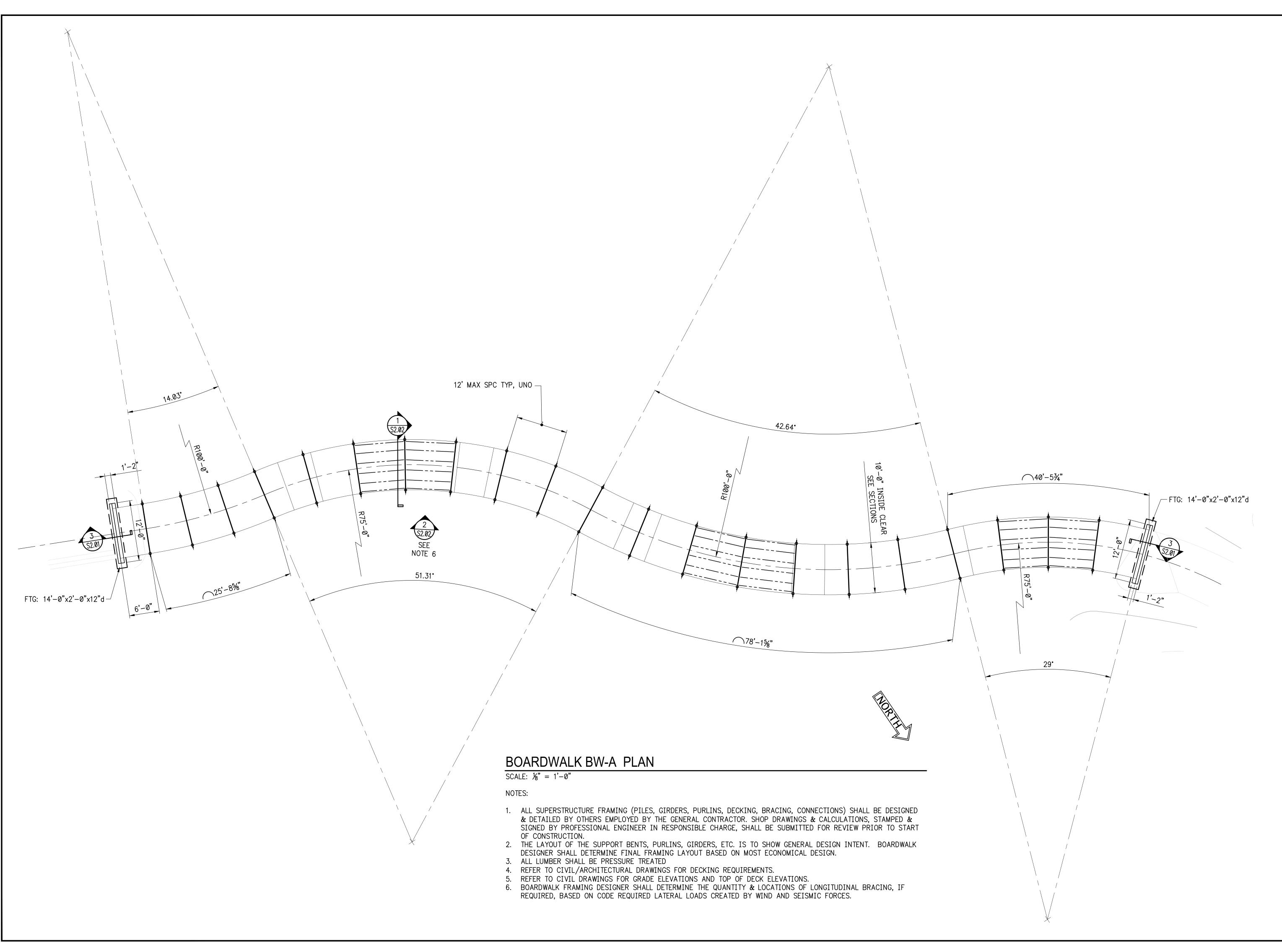
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PROJECT NO. 21031 DRAWN BY EMC CHECKED BY EMC SHEET NO.





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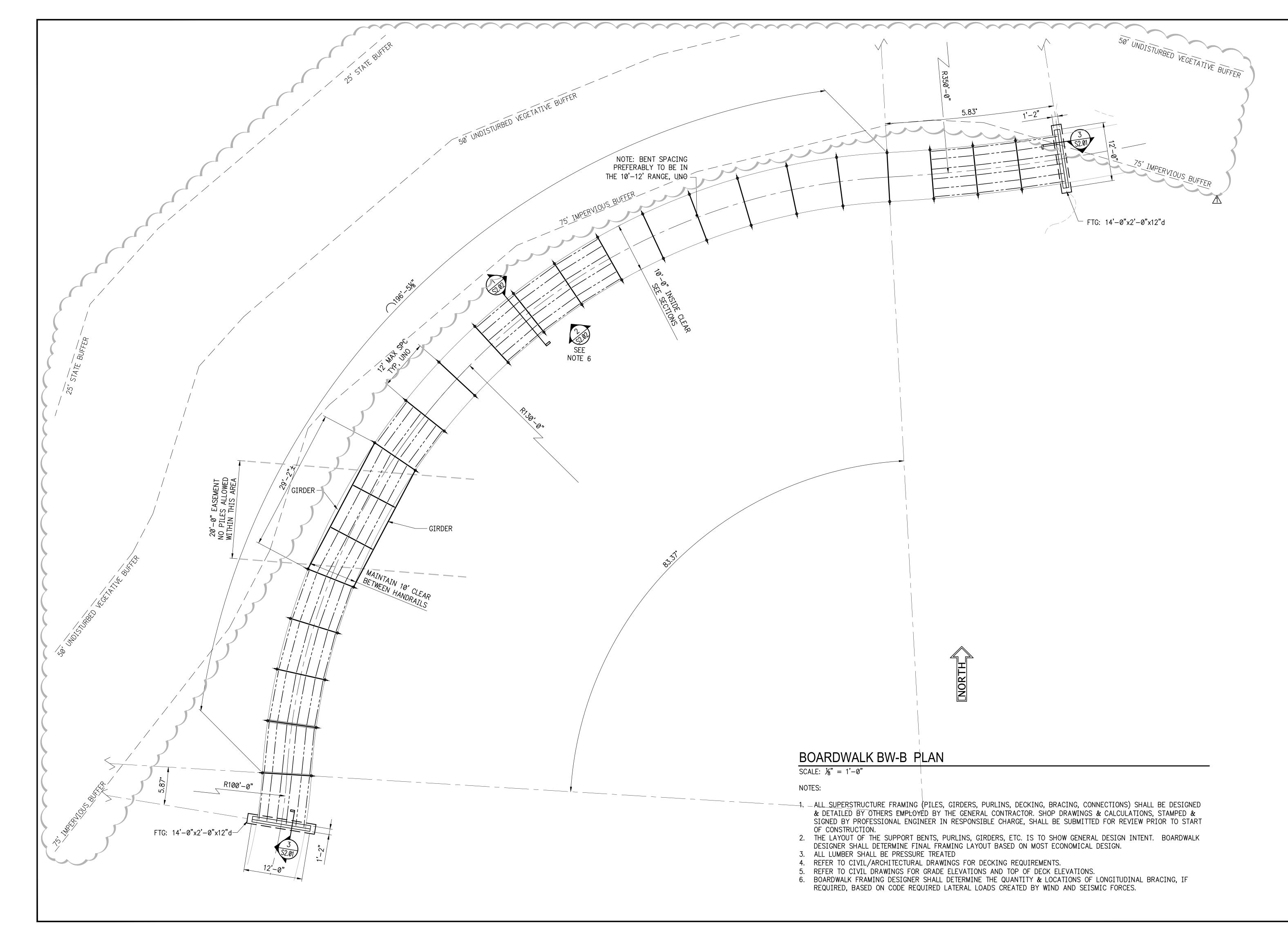
MURPHEY CANDLER TRAIL
SITE DEVELOPMENT PLANS

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**BOARDWALK BW-A** PLAN LAYOUT

PROJECT NO. 21031	DATE 02/04/2022
DRAWN BY EMC	SCALE  /2" = 1'-0"
CHECKED BY EMC	/8 - 1-0



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SOUTH

CANDLER TRAIL

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SUBMITTALS/REVISIONS

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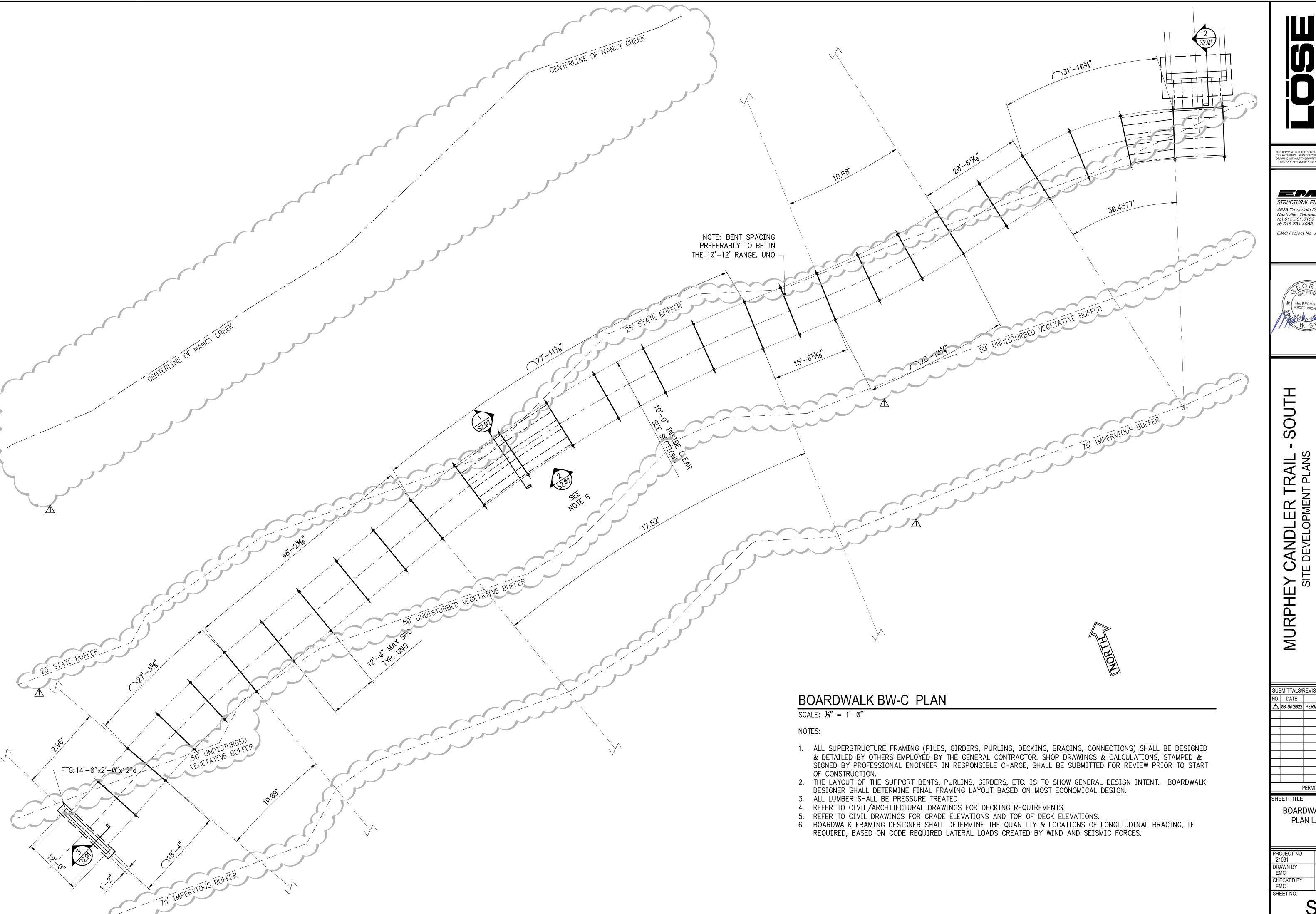
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**BOARDWALK BW-B** 

PLAN LAYOUT

PROJECT NO. 21031	DATE 02/04/2022
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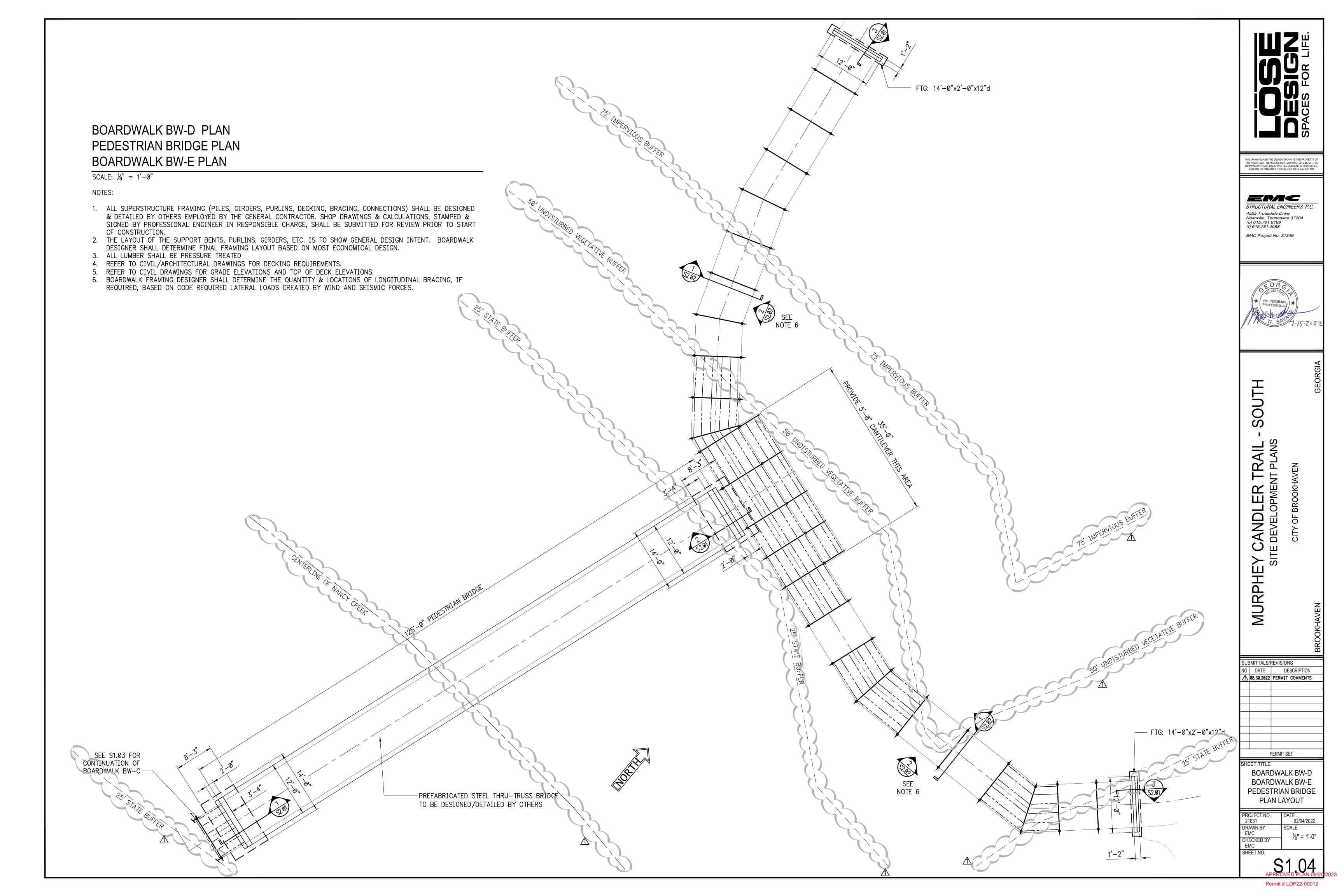


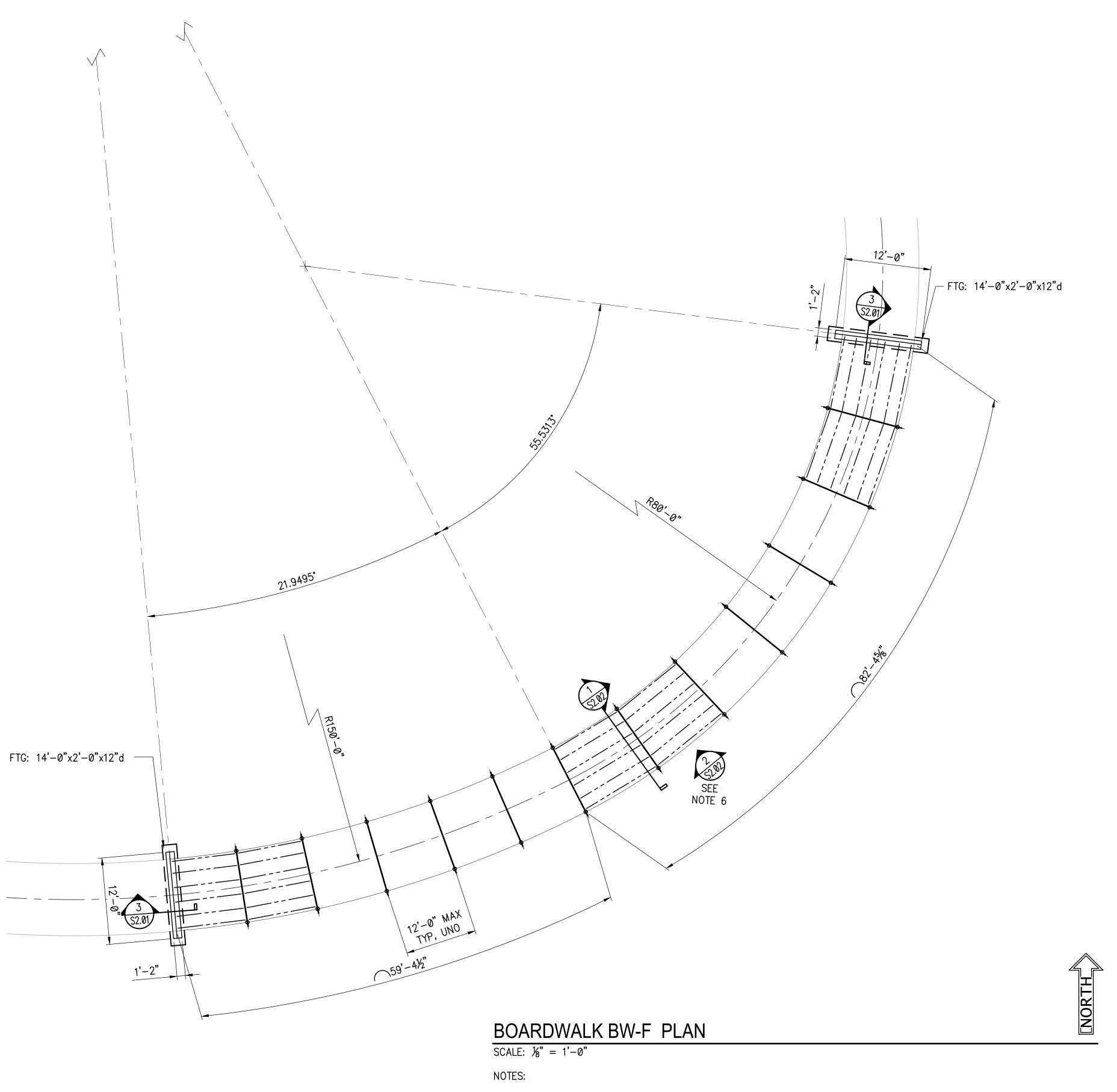
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**BOARDWALK BW-C** PLAN LAYOUT





- 1. ALL SUPERSTRUCTURE FRAMING (PILES, GIRDERS, PURLINS, DECKING, BRACING, CONNECTIONS) SHALL BE DESIGNED & DETAILED BY OTHERS EMPLOYED BY THE GENERAL CONTRACTOR. SHOP DRAWINGS & CALCULATIONS, STAMPED & SIGNED BY PROFESSIONAL ENGINEER IN RESPONSIBLE CHARGE, SHALL BE SUBMITTED FOR REVIEW PRIOR TO START OF CONSTRUCTION.
- 2. THE LAYOUT OF THE SUPPORT BENTS, PURLINS, GIRDERS, ETC. IS TO SHOW GENERAL DESIGN INTENT. BOARDWALK DESIGNER SHALL DETERMINE FINAL FRAMING LAYOUT BASED ON MOST ECONOMICAL DESIGN.
- 3. ALL LUMBER SHALL BE PRESSURE TREATED
- ALL LOMBER STALL BE TRESSORE INCATED
   REFER TO CIVIL/ARCHITECTURAL DRAWINGS FOR DECKING REQUIREMENTS.
   REFER TO CIVIL DRAWINGS FOR GRADE ELEVATIONS AND TOP OF DECK ELEVATIONS.
   BOARDWALK FRAMING DESIGNER SHALL DETERMINE THE QUANTITY & LOCATIONS OF LONGITUDINAL BRACING, IF REQUIRED, BASED ON CODE REQUIRED LATERAL LOADS CREATED BY WIND AND SEISMIC FORCES.



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SOUTH

MURPHEY CANDLER TR SITE DEVELOPMENT P

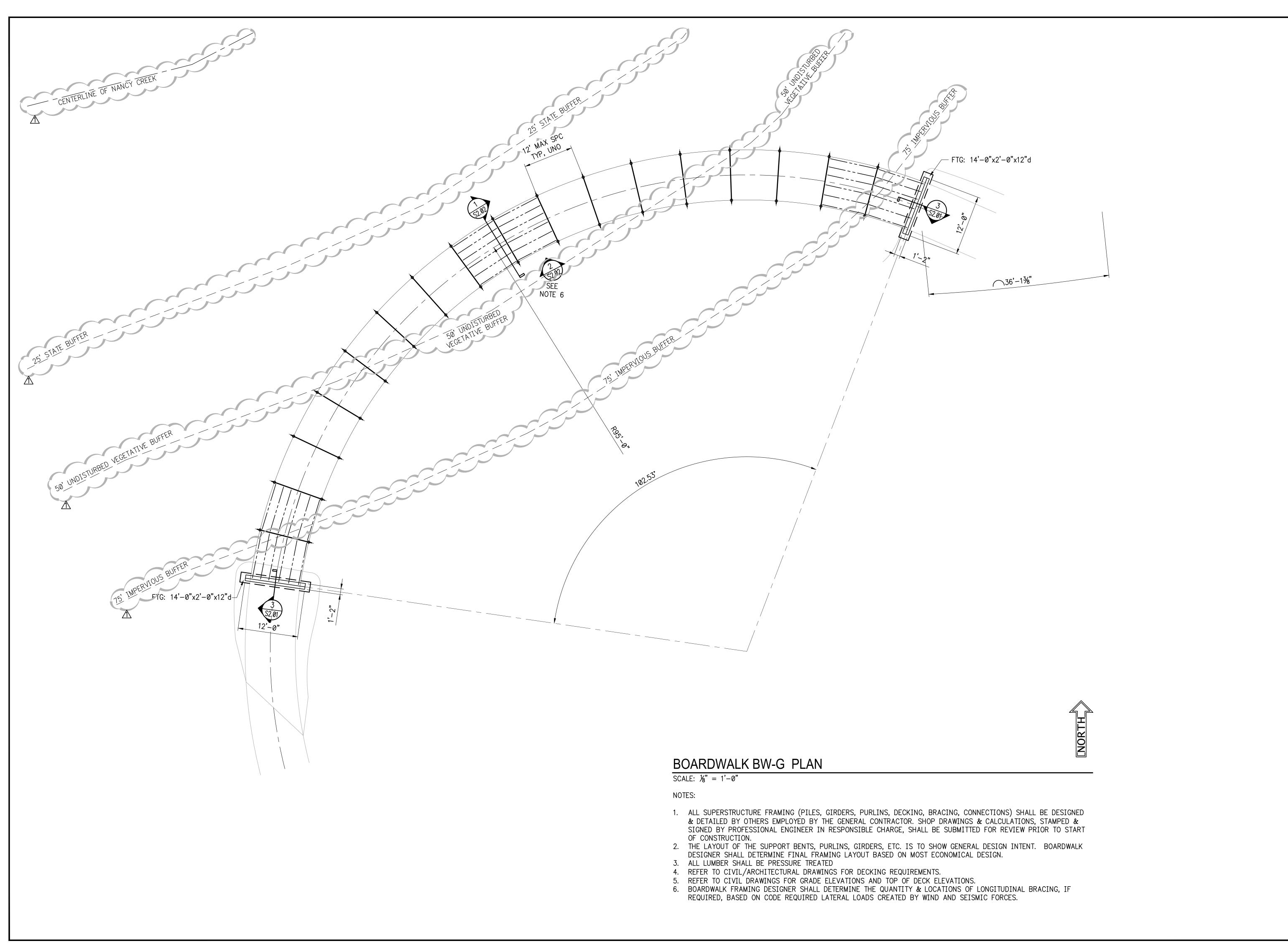
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**BOARDWALK BW-F** PLAN LAYOUT

PERMIT SET

PROJECT NO. 21031 DRAWN BY EMC CHECKED BY EMC SHEET NO. 02/04/2022

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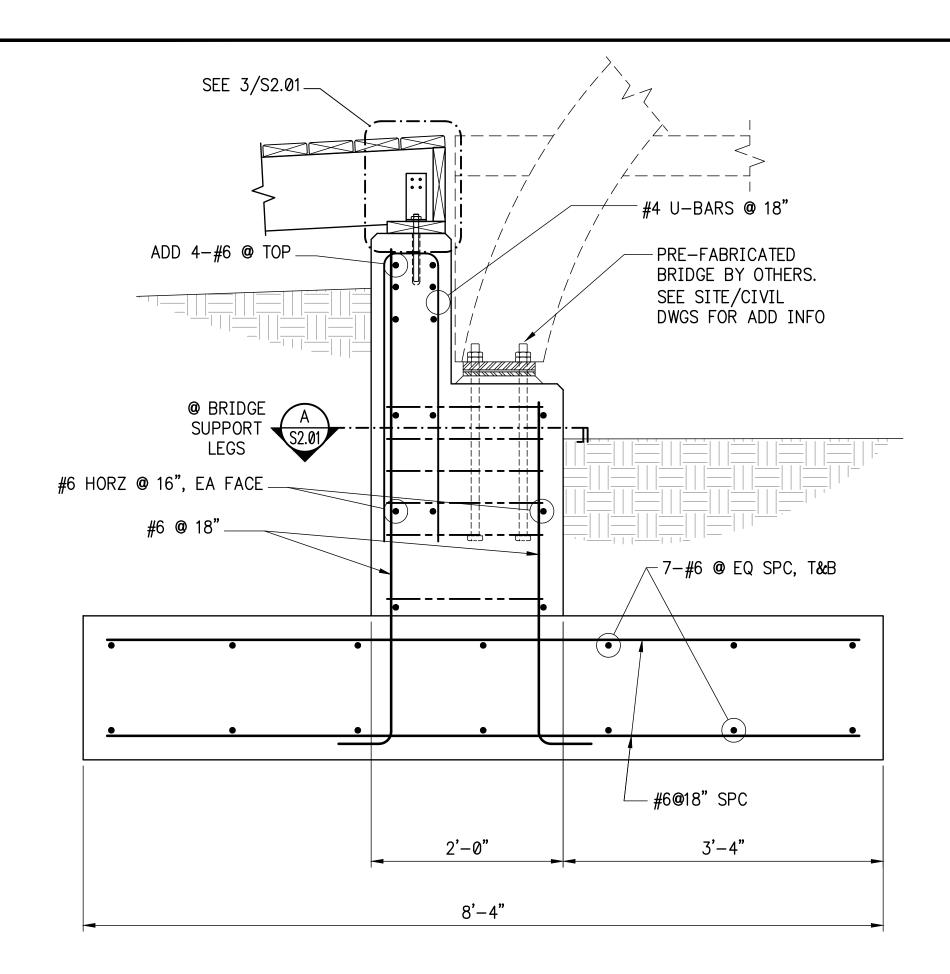
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NO	DATE	DESCRIPTION	
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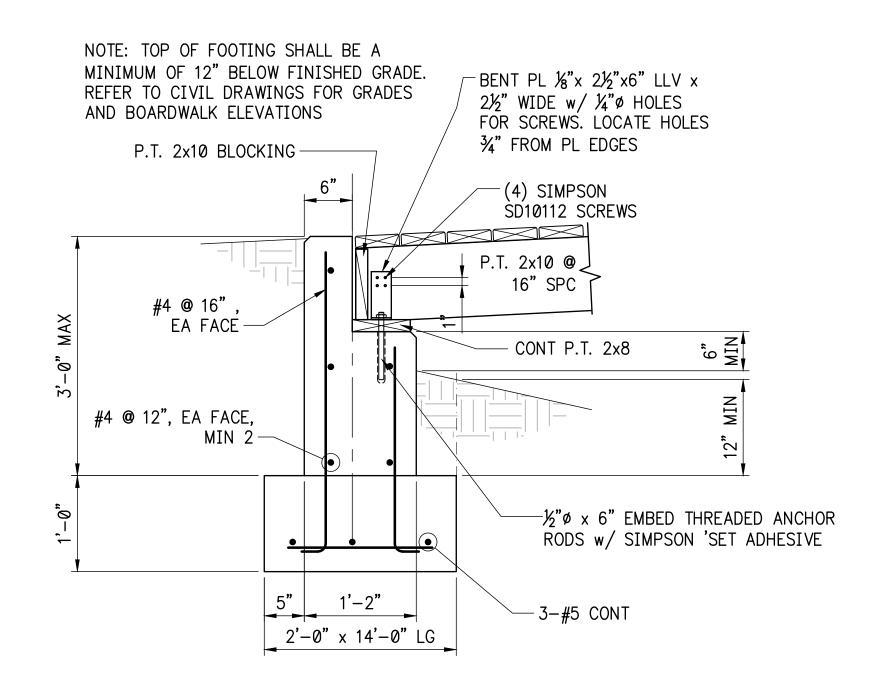
**BOARDWALK BW-G** PLAN LAYOUT

DRAWN BY EMC CHECKED BY EMC SHEET NO.

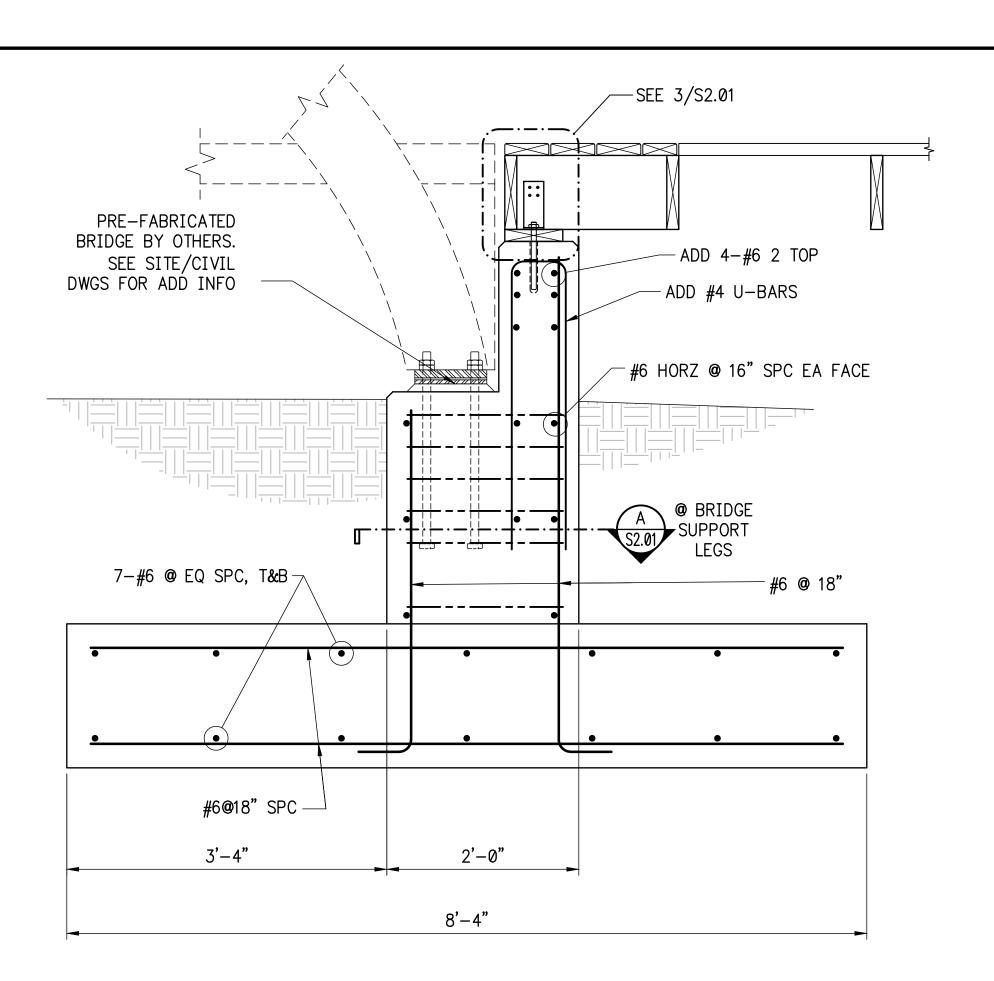


SECTION - BRIDGE/BOARDWALK ABUTMENT

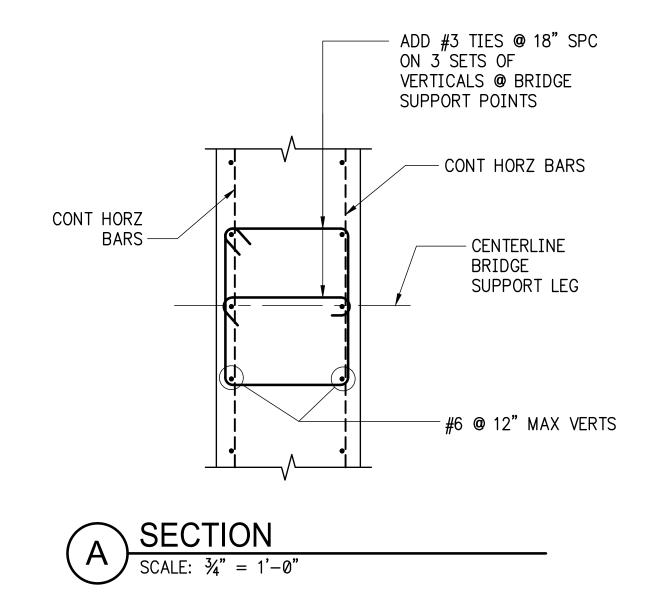
--- <u>NOTE</u>---ALL EXPOSED CONCRETE SHALL HAVE A SMOOTH, HAND RUBBED FINISH



SECTION - BOARDWALK ABUTMENT



SECTION - BRIDGE/BOARDWALK ABUTMENT



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SOUTH

MURPHEY CANDLER TRAIL
SITE DEVELOPMENT PLANS CITY OF BROOKHAVE

SUBMITTALS/REVISIONS

NO. DATE DESCRIPTION PERMIT SET

SHEET TITLE

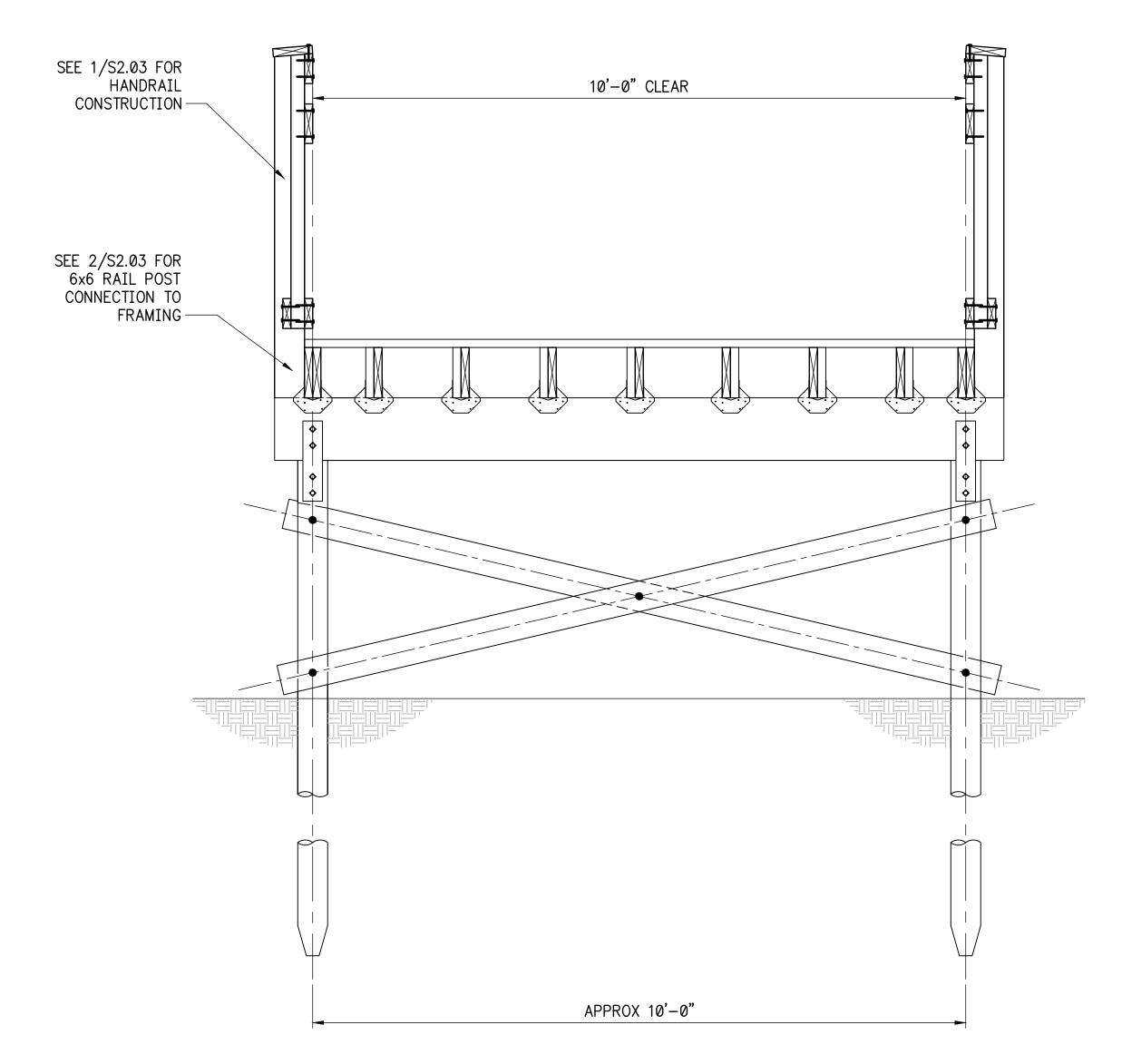
BRIDGE & BOARDWALK ABUTMENTS - SECTIONS

PROJECT NO. DATE 21031 02/ 02/04/2022 DRAWN BY EMC CHECKED BY EMC SHEET NO.

\$2.01

ALL ALL WOOD SHALL BE PRESSURE TREATED, RATED FOR GROUND CONTACT.

ALL METAL HARDWARE (BOLTS, THREADED RODS, NUTS, WASHERS, ETC.) SHALL BE HOT DIPPED GALVANIZED. ALL SIMPSON PRODUCTS SHALL HAVE A ZMAX COATING, OR SHALL BE HOT DIPPED GALVANIZED



## BOARDWALK BENTS & BRACING DESIGN NOTES:

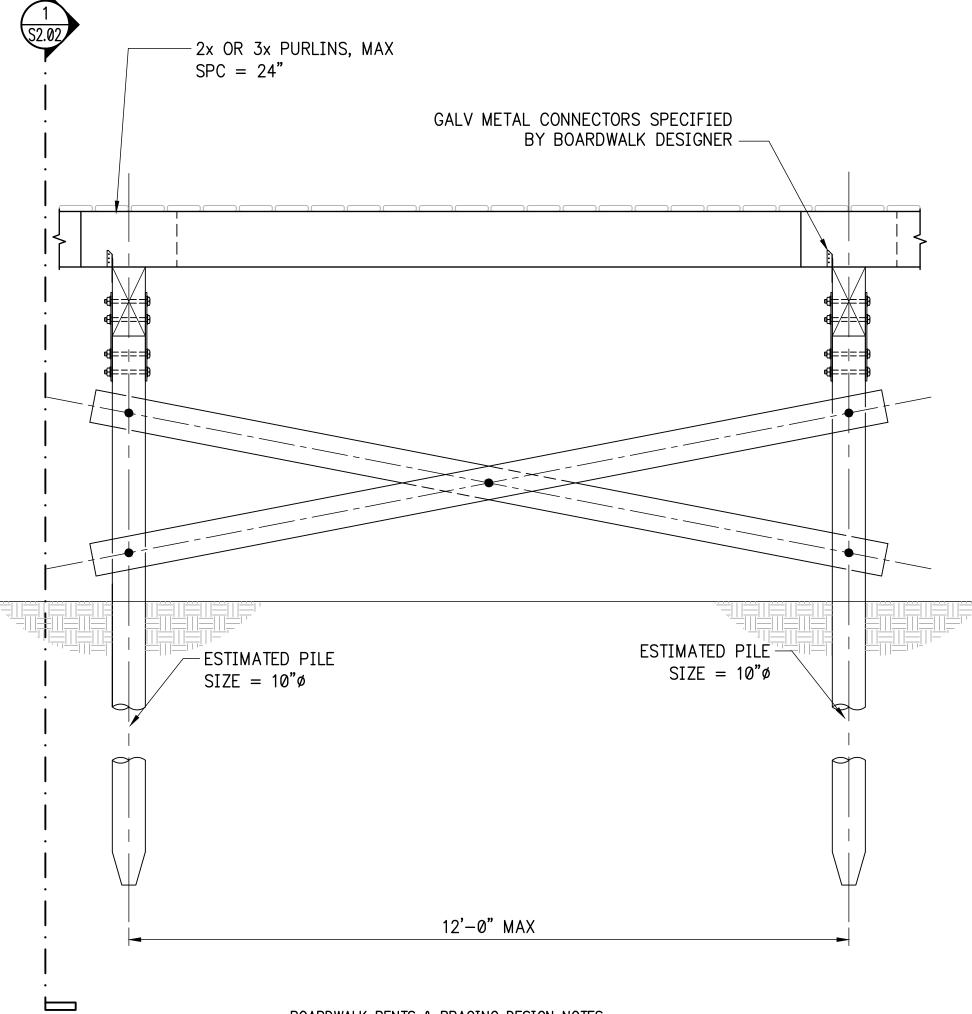
- 1. THE DESIGN OF THE BOARDWALK SUPERSTRUCTURE (DECKING, PURLINS, GIRDERS, PILES, AND DIAGONAL BRACING, INCLUDING ALL CONNECTIONS ARE THE RESPONSIBILITY OF OTHERS, EMPLOYED BY THE CONTRACTOR.
- 2. ALL WOOD SHALL BE PRESSURE TREATED & RATED FOR GROUND CONTACT.
- 3. PILES SHALL BE INSTALLED BY VIBRATORY MEANS. DESIGN OF EMBEDMENT LENGTH REQUIREMENTS SHALL ACCOUNT FOR ALL GRAVITY LOADS (DEAD, LIVE, SNOW), WIND LOADS, AND SEISMIC LOADS.
- 4. MINIMUM DESIGN LOADS:
- 4.1. DEAD STRUCTURE SELFWEIGHT + 5 PSF 4.2. LIVE - 100 PSF
- 4.3. WIND SEE SHEET S4.01—DESIGN & CODE INFORMATION, ITEM 8.
- 4.4. SEISMIC SEE SHEET S4.01—DESIGN & CODE INFORMATION, ITEM 9.
- 5. CALCULATIONS FOR ALL BENT DESIGNS (GIDERS, PILES, BRACING, CONNECTIONS) SHALL BE SUBMITTED FOR REVIEW BY EOR. CALCULATIONS SHALL BE STAMPED AND SIGNED BY PROFESSIONAL ENGINEER IN RESPONSIBLE CHARGE, AND REGISTERED IN THE
- PROJECT STATE.

  6. A PROFESSIONAL GEOTECHNICAL ENGINEER SHALL BE EMPLOYED TO DETERMINE THE SOIL DESIGN PARAMETERS TO BE USED IN DETERMINING THE VERTICAL AND LATERAL LOAD CAPACITIES OF THE

1 ELEVATION - TYPICAL BOARDWALK BENT
SCALE: 3/4" = 1'-0"

ALL ALL WOOD SHALL BE PRESSURE TREATED, RATED FOR GROUND CONTACT.

ALL METAL HARDWARE (BOLTS, THREADED RODS, NUTS, WASHERS, ETC.) SHALL BE HOT DIPPED GALVANIZED. ALL SIMPSON PRODUCTS SHALL HAVE A ZMAX COATING, OR SHALL BE HOT DIPPED GALVANIZED



BOARDWALK BENTS & BRACING DESIGN NOTES:

- 1. THE DESIGN OF THE BOARDWALK SUPERSTRUCTURE (DECKING, PURLINS, GIRDERS, PILES, AND DIAGONAL BRACING, INCLUDING ALL CONNECTIONS ARE THE RESPONSIBILITY OF OTHERS, EMPLOYED BY THE CONTRACTOR.
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  4.4. SEISMIC SEE SHEET S4.01-DESIGN & CODE INFORMATION,
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- CALCULATIONS SHALL BE STAMPED AND SIGNED BY PROFESSIONAL ENGINEER IN RESPONSIBLE CHARGE, AND REGISTERED IN THE PROJECT STATE.

  6 A PROFESSIONAL GEOTECHNICAL ENGINEER SHALL BE EMPLOYED TO
- 6. A PROFESSIONAL GEOTECHNICAL ENGINEER SHALL BE EMPLOYED TO DETERMINE THE SOIL DESIGN PARAMETERS TO BE USED IN DETERMINING THE VERTICAL AND LATERAL LOAD CAPACITIES OF THE

ELEVATION - BOARDWALK LONGITUDINAL BRACING

SCALE: 3/4" = 1'-0"



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GEORGIA

DLER TRAIL - SOUTH LOPMENT PLANS

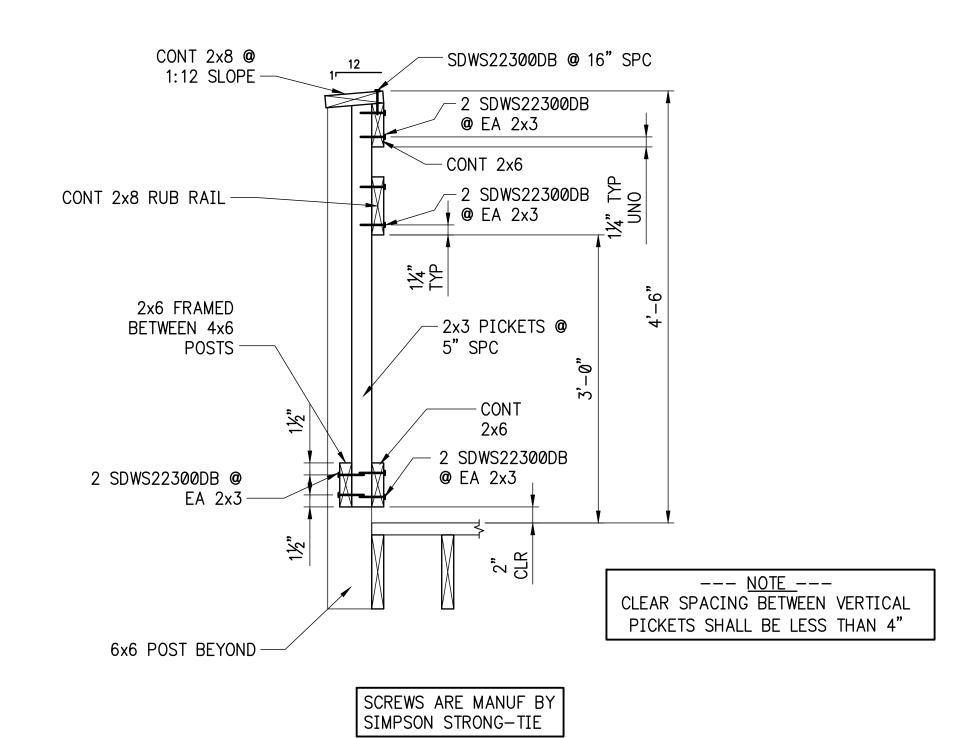
MURPHEY CANDLER
SITE DEVELOPMEN

SUBMITTALS/REVISIONS		
NO.	DATE	DESCRIPTION
A1	03.05.2021	ADDENDUM NO. 1
PERMIT SET		

BOARDWALKS SECTIONS AND DETAILS

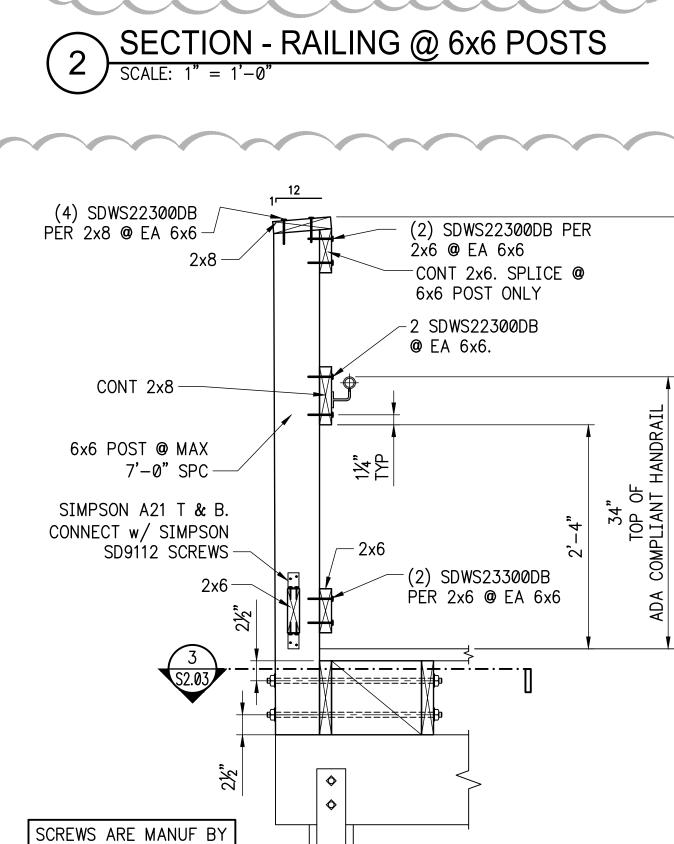
PROJECT NO. 21031	DATE 02/04/2022
DRAWN BY EMC	SCALE
CHECKED BY	

SHEET NO. **\$2.02** 



SEE 1a/S2.03 FOR ADA COMPLIANT HANDRAILS REQUIREMENTS. REFER TO LAYOUT PLANS (C1.00 SERIES DWGS) FOR LOCATIONS OF TYPICAL AND ADA COMPLIANT HANDRAILS

**SECTION - RAILING** 



REFER TO LAYOUT PLANS (C1.00 SERIES DWGS)

FOR LOCATIONS OF ADA COMPLIANT HANDRAILS

w/ ADA COMPLIANT HANDRAIL

(4) SDWS22300DB

6x6 POST @ MAX

SIMPSON A21 T & B. CONNECT w/ SIMPSON

SCREWS ARE MANUF BY

SIMPSON STRONG-TIE

SIMPSON STRONG-TIE

SCALE: 1" = 1'-0"

7'-0" SPC-

SD9112 SCREWS-

PÈR 2x8 @ EA 6x6-

CONT 2x8 RUB RAIL-

(2) SDWS22300DB PER

-CONT 2x6. SPLICE @

-(2) SDWS23300DB PER

2x6 @ EA 6x6

2x6 @ EA 6x6

\_ 2 SDWS22300DB

♥ @ EA 2x3

**.**74₹

OF TYPICAL AND ADA COMPLIANT HANDRAILS

6x6 POST ONLY

-6x6 RAIL POST @ 7'-0" MAX SPC BOARDWALK PURLINS BY BOARDWALK DESIGNER (2) %"ø ASTM A36 ALL-THREAD. PROVIDE HEAVY WASHERS EA END. **═╳**═<del>╞╞╏</del>═════┼ -2x BLOCKING. DEPTH TO MATCH PURLINS' DEPTH ALL ALL WOOD SHALL BE PRESSURE TREATED, RATED FOR GROUND CONTACT.

> ALL METAL HARDWARE (BOLTS, THREADED RODS, NUTS, WASHERS, ETC.) SHALL BE HOT DIPPED GALVANIZED. ALL SIMPSON PRODUCTS SHALL HAVE A ZMAX COATING, OR SHALL BE HOT DIPPED GALVANIZED

**SECTION** 



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STRUCTURAL ENGINEERS, P.C. 4525 Trousdale Drive Nashville, Tennessee 37204 (o) 615.781.8199 (f) 615.781.4088 EMC Project No. 21346



SOUTH

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TRAIL NT PLANS SANDLER TE

MURPHEY (

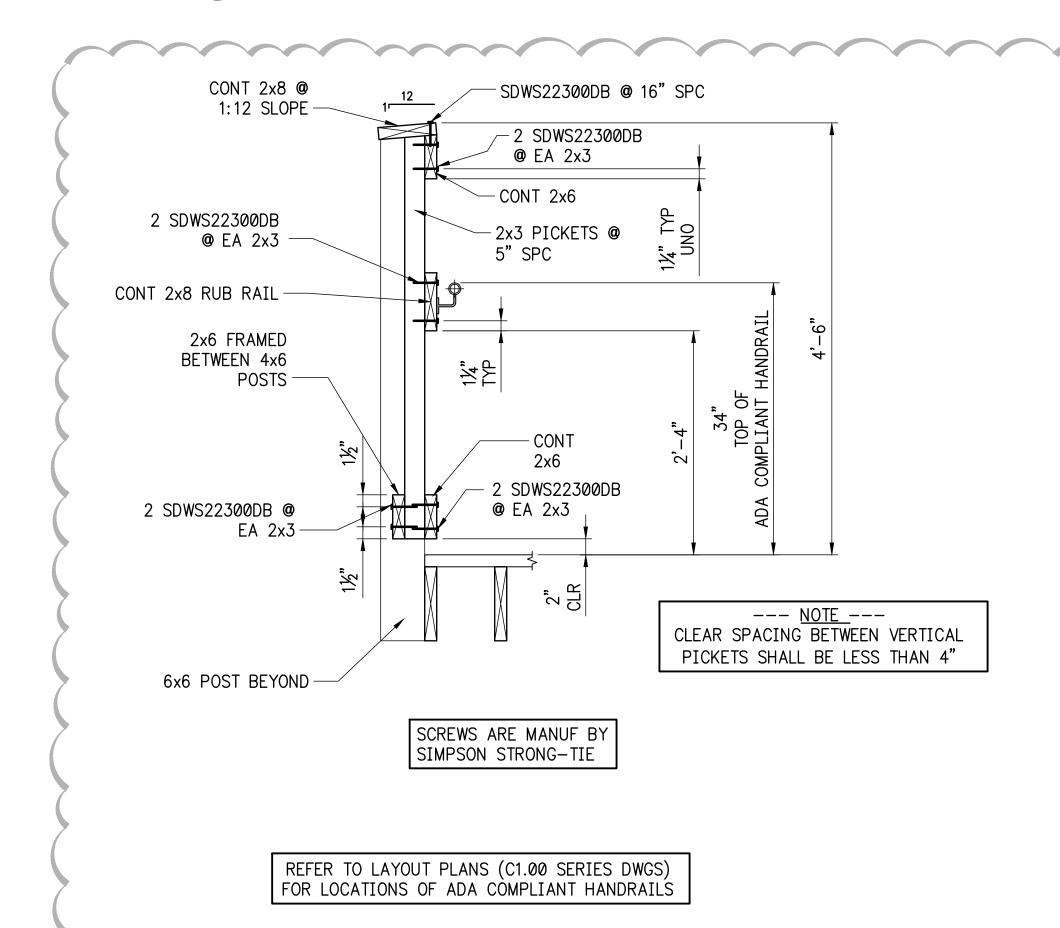
SUBMITTALS/REVISIONS NO DATE DESCRIPTION ⚠ 08.30.2022 PERMIT COMMENTS PERMIT SET

SHEET TITLE **RETAINING WALLS SECTIONS AND** SCHEDULE

DRAWN BY CHECKED BY EMC

SHEET NO. S2.03

Permit # LDP22-00012



SECTION - RAILING - ADA COMPLIANT

(1a) SCALE: 1" = 1'-0"

