

CITY OF BROOKHAVEN MURPHY CANDLER PARK MULTI-USE TRAIL ON DAM DEKALB COUNTY, GEORGIA

GENERAL NOTES:

- THE EXISTING CONDITIONS SURVEY WAS PREPARED BY TRAVIS PRUITT & ASSOCIATES.
- ALL CONSTRUCTION SHALL CONFORM TO THE CURRENT STANDARDS AND SPECIFICATIONS FOR ALL APPROPRIATE JURISDICTIONS.
- ALL CONSTRUCTION OF UTILITIES TO BE SCHEDULED AND APPROVED BY THE OWNER PRIOR TO ANY DISRUPTION OF SERVICES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE EROSION AND SEDIMENT CONTROL AND ALL REASONABLE MEASURES SHALL BE TAKEN TO PROTECT DOWNSTREAM AND OFF-SITE LAND FROM EROSION AND SEDIMENT DAMAGE DUE TO GRADING OPERATIONS.
- APPROVED EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO ANY CLEARING, GRADING OR OTHER LAND DISTURBANCE ACTIVITY AND SHALL BE MAINTAINED IN ACCORDANCE TO CURRENT EDITION OF THE MANUAL OF EROSION AND SEDIMENT CONTROL IN GEORGIA.
- WHERE NECESSARY, THE CONTRACTOR SHALL PROVIDE SHORING OR OTHER APPROVED METHOD IN ORDER TO MAKE THE WORK AREA STABLE AND SAFE.
- ALL WORK PERFORMED BY THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL SAFETY REGULATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN ACCESS FOR ALL EMERGENCY VEHICLES AT ALL TIMES.
- TOPS OF ALL EXISTING STRUCTURES THAT ARE TO REMAIN WITHIN THE AREA REQUIRING RE-GRADING SHALL BE RAISED OR LOWERED AS REQUIRED TO MEET NEW GRADES. PRIOR TO ANY ADJUSTMENT THE CONTRACTOR IS TO COORDINATE SUCH WORK WITH THE OWNER.
- ALL SURFACE AREAS TO HAVE POSITIVE DRAINAGE AT THE CONCLUSION OF THE CONTRACT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DEMOLITION WORK. MATERIALS SHALL BE REMOVED FROM THE SITE AS SOON AS POSSIBLE AND SHALL NOT BE ALLOWED TO ACCUMULATE. CONTRACTOR SHALL BE RESPONSIBLE FOR HAULING OFF AND DISPOSING OF ANY DEBRIS TO AN APPROVED STATE LICENSED FACILITY.
- GRADE TO PROVIDE POSITIVE DRAINAGE AWAY FROM BUILDINGS AND INTO STORM STRUCTURES.
- CONTRACTOR TO MAINTAIN ALL STORM DRAINAGE STRUCTURES DURING THE COURSE OF CONSTRUCTION.
- THE CONTRACTOR IS TO VERIFY ALL LOCATIONS AND/OR TYPES OF UTILITIES NEAR THE PROJECT LIMITS BEFORE CONSTRUCTION BEGINS. ANY DAMAGE CAUSED BY THE CONTRACTOR'S PERSONNEL OR EQUIPMENT TO EXISTING UTILITIES SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR TO OWNERS SPECIFICATIONS. SUCH DAMAGE SHALL BE THE CONTRACTOR'S EXPENSE TO PAY FOR ALL MATERIALS, LABOR AND NECESSARY PERMITS.
- CONTRACTOR SHALL ACQUIRE ALL PERMITS NECESSARY FOR THE CONSTRUCTION OF THIS PROJECT.
- A SEPARATE BUILDING PERMIT SHALL BE OBTAINED FOR ALL RETAINING WALLS GREATER THAN 4 FEET IN HEIGHT AND ALL RETAINING WALLS USED AS A DAM PRIOR TO CONSTRUCTION OF THE WALLS.
- LAND DISTURBANCE TO BE LIMITED TO THOSE AREAS NEEDED FOR PROPOSED WORK.
- ALL BUFFERS AND TREE SAVE AREAS SHALL BE CLEARLY IDENTIFIED WITH FLAGGING AND/OR FENCING PRIOR TO COMMENCEMENT OF ANY LAND DISTURBANCE.
- NOTIFY THE CITY OF BROOKHAVEN INSPECTOR 24 HOURS BEFORE BEGINNING OF EVERY PHASE OF CONSTRUCTION.
- APPROVAL OF THESE PLANS DOES NOT CONSTITUTE APPROVAL BY CITY OF BROOKHAVEN FOR ANY LAND DISTURBING ACTIVITIES WITHIN WETLAND AREAS. IT IS THE RESPONSIBILITY OF THE PROPERTY OWNER TO CONTACT THE APPROPRIATE REGULATORY AGENCY FOR APPROVAL OF ANY WETLAND AREA DISTURBANCE.
- WETLAND CERTIFICATION: THE DESIGN PROFESSIONAL, WHOSE SEAL APPEARS HEREON, CERTIFIES THE FOLLOWING:
 - THE NATIONAL WETLAND INVENTORY DO NOT INDICATE SENSITIVE AREAS WITHIN THE PROJECT AREA.
 - A LETTER OF "NO PERMIT NEEDED" HAS BEEN ISSUED BY THE ARMY CORPS OF ENGINEERS FOR THIS PROJECT.
- THE CONTRACTOR IS RESPONSIBLE FOR ANY DEWATERING EFFORTS OF EXCAVATED FOOTINGS IF NECESSARY AND SHALL INSURE DEWATERING METHODS ARE IN COMPLIANCE WITH NPDES REQUIREMENTS.
- ALL CONSTRUCTION SHALL BE MONITORED BY ATLAS TECHNICAL CONSULTANTS, LLC.



APPROVED

Engineering

Timothy Ward

Timothy Ward



APPROVED

ARBORIST

Jeff Dadisman

Jeff Dadisman



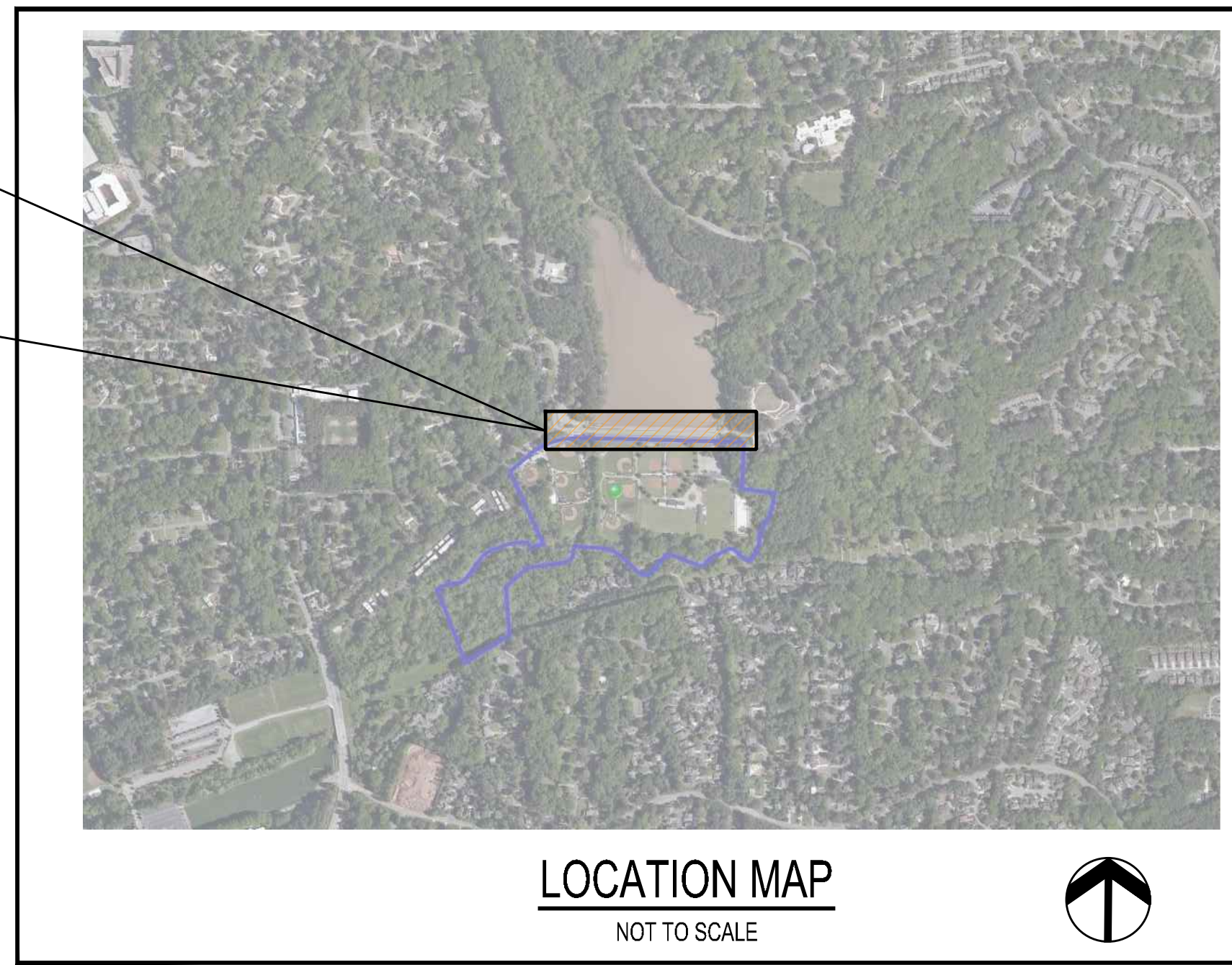
APPROVED

Planning & Zoning

Arona Smith

Arona Smith

PROJECT SITE

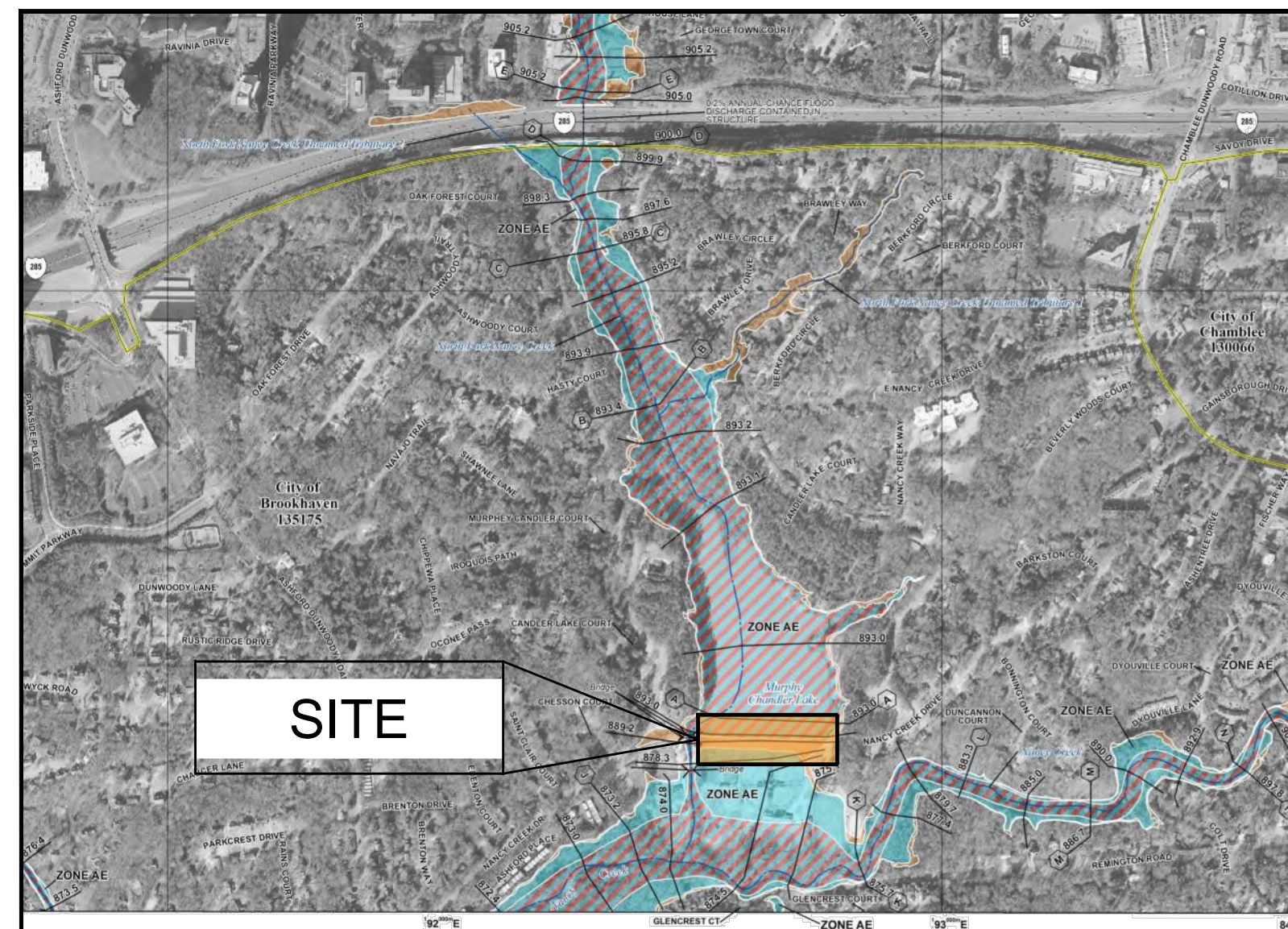


LOCATION MAP

NOT TO SCALE

PROJECT COORDINATION NOTES:

THIS PROJECT MAY HAVE TO BE COORDINATED WITH A BROOKHAVEN PUBLIC WORKS PROJECT TO REPAIR/REPLACE THE DAM'S LOW-LEVEL DRAINPIPE IF THE PROJECTS OVERLAP. THE CONTRACTOR MAY HAVE TO COORDINATE WITH THE PUBLIC WORKS CONTRACTOR TO DETERMINE WHAT ACTIONS HE WILL HAVE TO TAKE TO HELP TO LOWER THE LAKE LEVEL TO AT LEAST A FOOT BELOW THE INVERT OF THE LOW-LEVEL DRAINPIPE. ANY WORK IDENTIFIED BEYOND INITIAL COMMUNICATIONS WITH THE PUBLIC WORKS CONTRACTOR WILL PRECIPITATE A CHANGE ORDER TO THE MULTIUSE TRAIL CONTRACTOR.



FIRM FLOOD MAP

NOT TO SCALE

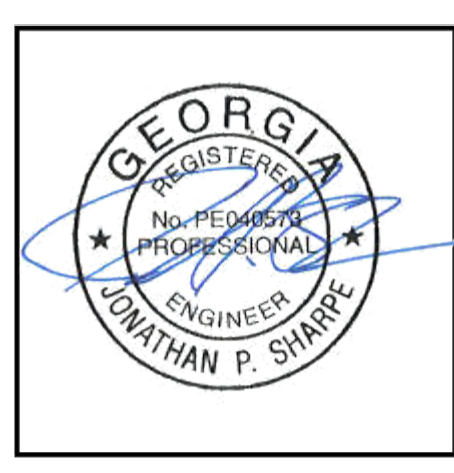
FLOOD NOTE:

ACCORDING TO THE "FIRM" (FLOOD INSURANCE RATE MAP) OF DEKALB COUNTY, GEORGIA (PANEL NUMBER 13089C0012K), DATED AUGUST 15, 2019, A PORTION OF THIS PROPERTY LIES WITHIN A SPECIAL FLOOD HAZARD AREA.

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.



**GEORGIA SAFE DAMS
ENGINEER OF RECORD**
JONATHAN P. SHARPE
REGISTERED GA. PE040573



**ATLAS TECHNICAL
CONSULTANTS, LLC**
3000 NORTHFIELD PLACE
SUITE 1100
ROSWELL, GA 30076
(770) 752-9205

SURVEY NOTES

EQUIPMENT USED:
A TRIMBLE "S" SERIES TOTAL STATION WAS USED TO OBTAIN ANGULAR MEASUREMENTS AND DISTANCE 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.

CLOSURE STATEMENT:
TRACT 1 HAS BEEN CALCULATED FOR CLOSURE AND IS ACCURATE WITHIN ONE FOOT IN 239,751 FEET.

TRACT 2 HAS BEEN CALCULATED FOR CLOSURE AND IS ACCURATE WITHIN ONE FOOT IN 239,751 FEET.

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 ADJUSTED USING THE COMPASS RULE.

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 OF THIS SURVEY ARE IN U.S. SURVEY FEET.

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

DISCLAIMERS:

INFORMATION REGARDING SIZE, LOCATION, AND SPECIES OF EXISTING TREES IS SHOWN HEREON. THERE IS NO CERTAINTY OF THE SIZE AND SPECIES OF THE SAID TREES 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 SAID AUTHORITY.

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 SURVEY FOR DESIGN.

INFORMATION REGARDING THE REPUTED PRESENCE, SIZE, CHARACTER, AND LOCATION OF EXISTING UNDERGROUND UTILITIES AND STRUCTURES IS SHOWN HEREON. THERE IS NO CERTAINTY OF THE ACCURACY OF THIS INFORMATION AND IT SHALL BE CONSIDERED IN THAT LIGHT BY THOSE USING THIS DRAWING. THE LOCATION AND ARRANGEMENT OF UNDERGROUND UTILITIES AND STRUCTURES 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 THE PIPE INFORMATION SHOWN HEREON.

INFORMATION REGARDING STORM SEWER AND SANITARY SEWER AS SHOWN HEREON, IS BASED ON OBSERVATIONS TAKEN BY TERRAMARK EMPLOYEES AT THE 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 DISTINCTLY UNDERSTAND 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 LOCAL AUTHORITY TO DETERMINE SPECIFIC WATER CLASSIFICATION. THEREFORE TERRAMARK 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 OR POLLUTION.

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.

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

TITLE NOTES

ACCORDING TO THE "FIRM" (FLOOD INSURANCE RATE MAP) OF DEKALB COUNTY, GEORGIA (PANEL NUMBERS 13089C0012J & 13089C0014J), DATED MAY 16, 2019, A PORTION OF THIS PROPERTY LIES WITHIN A SPECIAL FLOOD 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.

LDP SET

SHEET INDEX		
SHEET	SHEET TITLE	#
C0.4	COVER SHEET	1
C0.4A	KEY SHEET	2
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-02.4	CONSTRUCTION ITEMS	-
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C4.4C	STAKING PLAN	7
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C7.4A	EROSION CONTROL PLAN (DAM)	12
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REFERENCE MATERIAL

- PLAT FOR CANDLER LAKE ESTATES, UNIT ONE RECORDED IN PB. 45 PG. 14 AMONG THE LAND RECORDS OF DEKALB COUNTY AFORESAID RECORDS
- PLAT FOR ASHWOODY SUBDIVISION RECORDED IN PB. 45 PG. 35 AFORESAID RECORDS
- PLAT FOR CANDLER LAKE VIEW SUBDIVISION RECORDED IN PB. 58 PG. 161 AFORESAID RECORDS
- FINAL PLAT FOR ASHFORD GLEN, UNIT 4 RECORDED IN PB. 84 PG. 29 AFORESAID RECORDS
- PLAT FOR FOX GLEN SUBDIVISION RECORDED IN PB. 46 PG. 87 AFORESAID RECORDS
- CONDOMINIUM PLAT FOR ASHFORD LAKE CONDOMINIUM ASSOCIATION RECORDED IN PB. 6 PG. 9 AFORESAID RECORDS
- DEED FOR ASHFORD PLACE CONDOMINIUM ASSOCIATION RECORDED IN DB. 3529 PG. 379 AFORESAID RECORDS

UTILITY PROVIDERS

GAS	COMMUNICATION
ATLANTA GAS LIGHT COMPANY AGL 10 PEACHTREE STREET NE ATLANTA, GA 30309 MARTIN MAREK (404) 584-4128	AT&T 208 S. AKARD ST. DALLAS, TX 75202 (210) 821-4108 ANGIE HINES (770) 784-3972
GEORGIA POWER COMPANY 823 JEFFERSON STREET ATLANTA, GA 30318 (404) 506-4569 IKE COLLINS	COMCAST 559-6879 SANDRA ANDREWS LEVEL 3 COMMUNICATIONS, INC 1025 ELDERADO BOULEVARD BROOMFIELD, CO 80021 (877) 366-8344 EXT. 3
DEKALB COUNTY WATER AND SEWER DEPARTMENT 1580 ROADHAVEN DR STONE MOUNTAIN, GA 30083 (770) 612-7222 JEFF WOODS (770) 724-1490 JDWOODS@DEKALBCOUNTYGA.GOV	VERIZON / MCI 2400 N GLENVILLE RICHARDSON, TX 75082 (478) 471-1042 DENNIS RAINEY CENTURYLINK 100 CENTURYLINK DRIVE MONROE, LA 71203 (888) 723-8010 ZAYO FIBER SOLUTIONS 400 CENTENNIAL PKWY, SUITE 200 LOUISVILLE, CO 80027 (878) 665-2493 NIC FLORES

UTILITY NOTES

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

UTILISURVEY, LLC
154 GRANT ROAD
FAYETTEVILLE, GA 30215
PHONE: 404-312-8912
ATTENTION: HANS WÖNNEBERGER

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 IS 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, EITHER IN SERVICE OR ABANDONED. UNDERGROUND UTILITIES NOT OBSERVED OR LOCATED UTILIZING THIS TECHNIQUE 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 IDENTIFIED ALTHOUGH THE SURVEYOR DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE.

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

OWNER/PRIMARY PERMITEE:

CONTACT: **CHRISTIAN SIGMAN, CITY MANAGER**
CITY OF BROOKHAVEN
4362 PEACHTREE ROAD NE
BROOKHAVEN, GEORGIA 30319
PHONE: (404) 637-0513
CHRISTIAN.SIGMAN@BROOKHAVENGA.GOV

24-HOUR CONTACT:

CONTACT: **LEE CROY, PARKS PROGRAM MANAGER**
CITY OF BROOKHAVEN
PHONE: 678 576 9846
EMAIL: LEE.CROY@BROOKHAVENGA.GOV

CITY ARBORIST:

JEFF DADISMAN
ISA 50-10385A
PHONE: 404 270 0086
EMAIL: JEFF.DADISMAN@BROOKHAVENGA.GOV

LEAD DESIGN PROFESSIONAL:

CONTACT: **GE GRACE ZHANG, RLA**
CLARK PATTERSON LEE
3011 SUTTON GATE DRIVE, SUITE 130
SUWANEE, GEORGIA 30024

OFFICE: (770) 831-9000
EMAIL: GZHANG@CPLTEAM.COM

AREA TABLE

TRACT 1	3,630,024 SQ.FT. OR 83.3339 AC.
TRACT 2	1,602,679 SQ.FT. OR 36.7924 AC.
TOTAL AREA	5,232,703 SQ.FT. OR 120.1263 AC.

SITE DATA:

PARCEL: 1833101005
OWNER: CITY OF BROOKHAVEN
ADDRESS: 1551 WEST NANCY CREEK DRIVE
ACREAGE: 120.1263 ACRES
ZONING: R-100

TRACT 2 TOTAL AREA: 36.79 AC
TOTAL DISTURBED AREA: 0.57 AC



2021 SMALL TREE LOCATION
CPL LEAD DESIGNER FIELD LOCATED THE SMALL TREES ON SITE BY VISIT
2016 SURVEY & 2019 UPDATED TREE SURVEY
TERRAMARK LAND SURVEYING, INC.
1306 BELLS FERRY ROAD
MARIETTA, GEORGIA 30066
PHONE NO. (770) 421-1927
FAX NO. (770) 421-0552
WWW.TERRAMARK.COM
C. O. A. # LSF000810

NOTE: THE WRESTED VEGETATION AND B&S CONTOUR WERE SURVEYED IN BY TERRAMARK ON FEB. 4, 2021

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>



No.	Date	Description
31	04/29	Multi-Use Trail on Dam - Pre-Construction
32	05/06	LDP - Cover Sheet - City Commission
33	05/08	LDP - Cover Sheet - City Commission
34	05/15	GIS/CADD/As-Built - Survey Data
35	07/26	LDP - HOOK HAVEN - CITY COMMISSION
36	10/19	LDP - HOOK HAVEN - CITY COMMISSION
37	11/04	Multi-Use Trail on Dam - EDR Review Set
38	01/07	Multi-Use Trail on Dam - EDR Review Set
39	02/04	Multi-Use Trail on Dam - CITY LDP COMMISSION



CITY OF BROOKHAVEN
MURPHY CANDLER PARK
1551 W. NANCY CREEK DRIVE NE
BROOKHAVEN, GEORGIA 30319

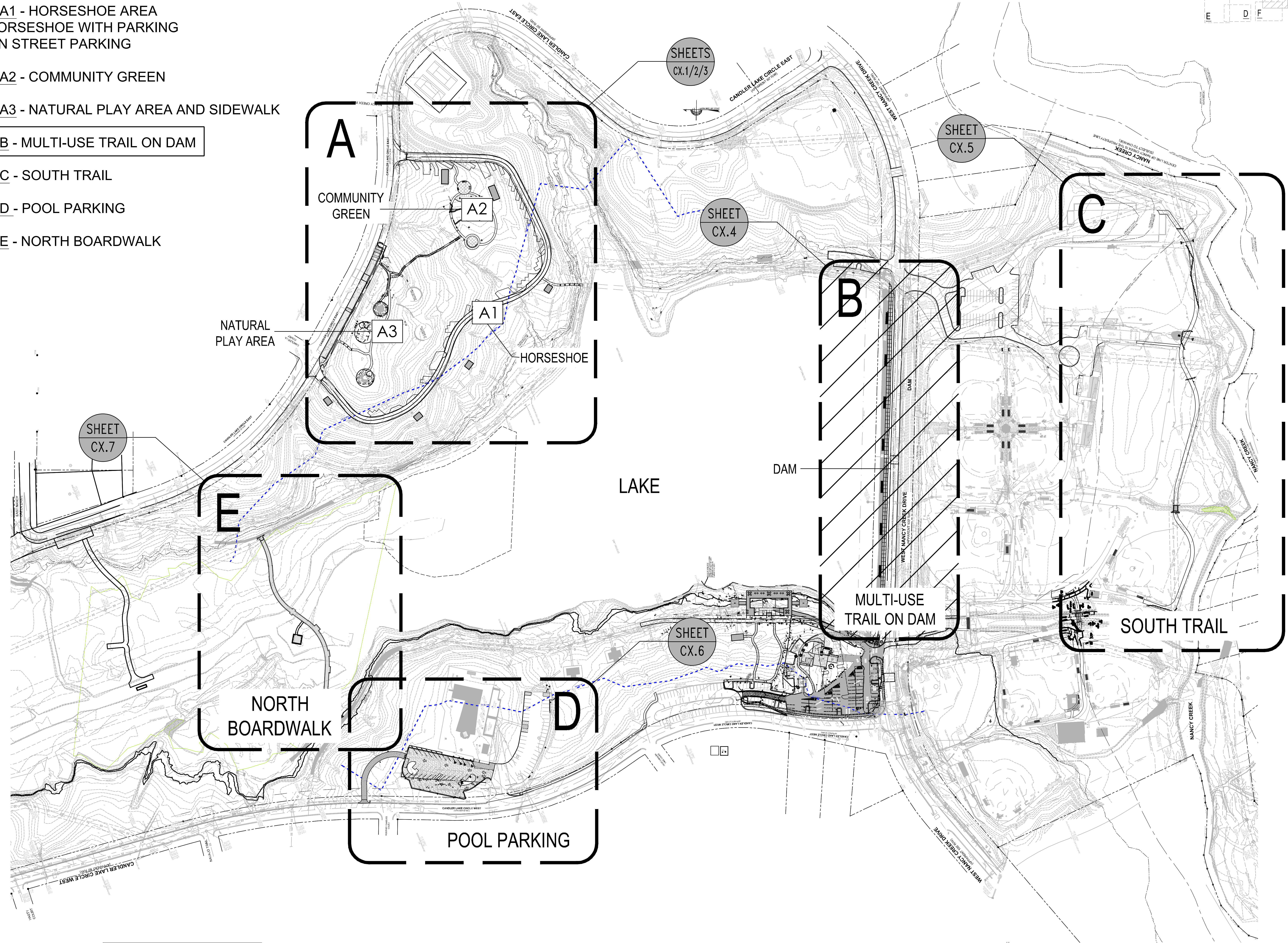
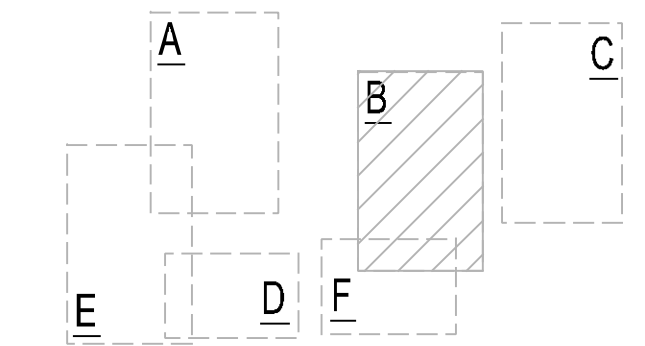
DATE: 03/03/21
DRAWN: GZ
CHECKED: MC
SCALE: NONE
SHEET TITLE: MULTI-USE TRAIL ON DAM COVER SHEET

PROJECT NUMBER: 15092.00
C0.4
1
DRAWING NUMBER

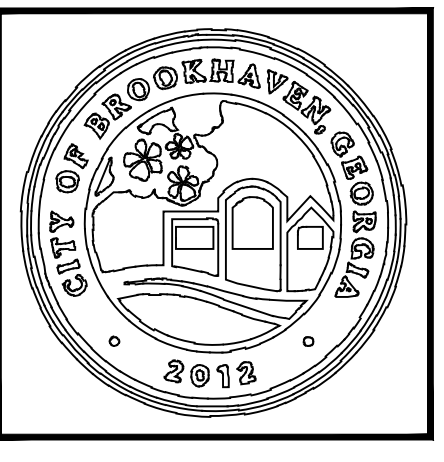
AREA CODE INDEX

1. **AREA A1 - HORSESHOE AREA**
 - HORSESHOE WITH PARKING
 - ON STREET PARKING
2. **AREA A2 - COMMUNITY GREEN**
3. **AREA A3 - NATURAL PLAY AREA AND SIDEWALK**
4. **AREA B - MULTI-USE TRAIL ON DAM**
5. **AREA C - SOUTH TRAIL**
6. **AREA D - POOL PARKING**
7. **AREA E - NORTH BOARDWALK**

SHEET KEY



ARCHITECTURE
ENGINEERING
PLANNING
CPL Team.com



No.	Date	Description
31	04/29	Multi-use Trail on Dam - Preboard Review
32	05/05	LDP - Community Green - City Commission
33	05/26	LDP - Community Green - City Commission
34	06/15	GIS/CAD/Rebar/As-Built - Solar Hot Deck
35	07/26	LDP - POOL PARKING - CITY COMMISSION
36	10/19	LDP - Horseshoe - City Commission
37	11/04	Multi-use Trail on Dam - EDR Review Set
38	01/07	Multi-use Trail on Dam - EDR Review Set
39	02/04	Multi-use Trail on Dam - CITY LDP COMMISSION



CITY OF BROOKHAVEN
MURPHY CANDLER PARK
1551 W. NANCY CREEK DRIVE NE
BROOKHAVEN, GEORGIA 30319

DATE	DRAWN	CHECKED
03/03/21	GZ	MC
SCALE		
SHEET TITLE		
KEY SHEET MULTI-USE TRAIL ON DAM		

PROJECT NUMBER	15092.00
C.O. #	C0.4A
DRAWING NUMBER	2

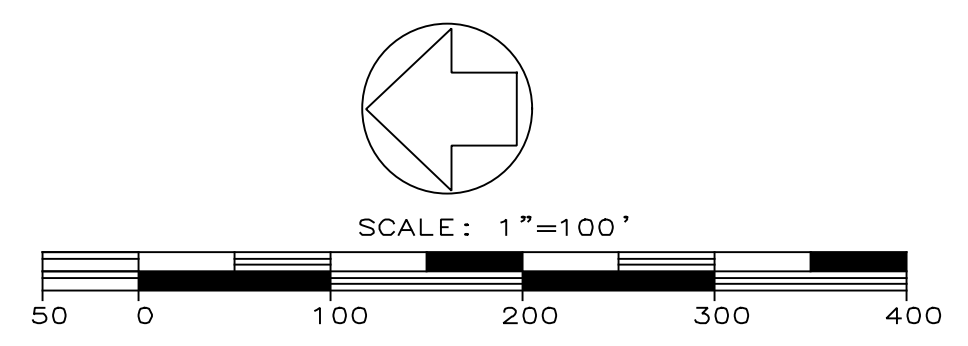
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 Plotted By: Grace Zhang

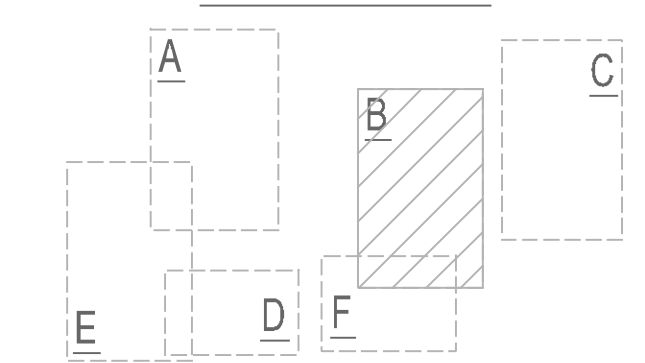
Utilities Protection Center, Inc.
1-800-282-7411
Know what's below.
Call before you dig.

2021 SMALL TREE LOCATION
CPL LEAD DESIGNER FIELD LOCATED THE SMALL TREES ON SITE BY VISIT

2016 SURVEY & 2019 UPDATED TREE SURVEY
TERRAMARK LAND SURVEYING, INC.
1306 BELLS FERRY ROAD
MARIETTA, GEORGIA 30066
PHONE NO. (770) 421-1927
FAX NO. (770) 421-0552
WWW.TERRAMARK.COM
C. O. A. # LSF000610

NOTE:
THE WRESTED VEGETATION
AND B&S CONTOUR WERE
SURVEYED IN BY
TERRAMARK ON FEB. 4,
2021





DRAWINGS SCHEDULE

No.	Date	Description
31	04/29	Multi-use Trail on State - Piedmont Review
32	05/06	LIP - Community Center - City Comment #1
33	05/08	LIP - Community Center - City Comment #2
34	06/15	GS&C Re-submittal #1 - Solar Hot Deck
35	07/08	LIP - HOA - PARKING - CITY COMMENT #1
36	10/19	LIP - Resurface - City Comment #1
37	11/04	Multi-use Trail on State - EDR Review Set
38	01/07	Multi-use Trail on State - EDR Review Set
39	02/04	Multi-use Trail on State - CITY LIP COMMENT #1



CITY OF BROOKHAVEN
MURPHEY CANDLER PARK
1551 W. NANCY CREEK DRIVE NE
BROOKHAVEN, GEORGIA 30319

DATE	DRAWN	CHECKED
03/03/21	GZ	MC

SCALE
SHEET TITLE
EXISTING CONDITIONS
MULTI-USE TRAIL ON
DAM

PROJECT NUMBER	15092.00
C1.4	
3	
DRAWING NUMBER	

LEGEND

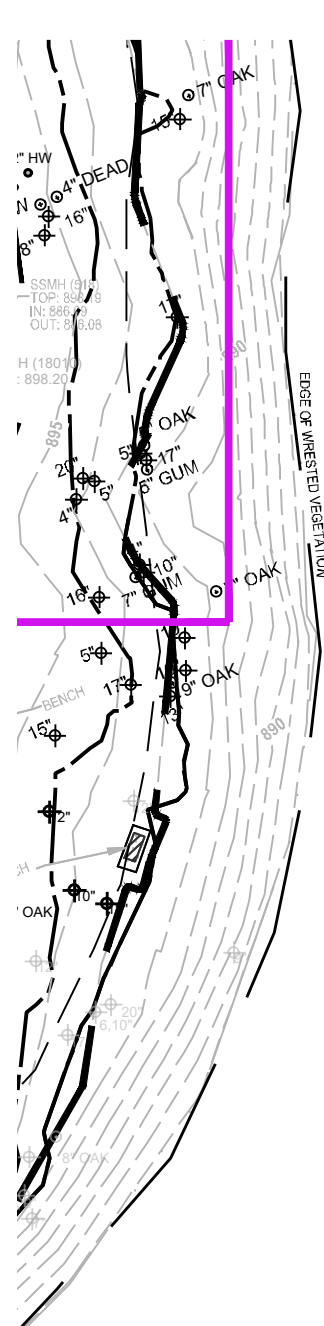
	CURB AND GUTTER (C&G)
	FENCE
	HANDRAIL
	STORM DRAIN LINE
	SANITARY SEWER
	WATER LINE
	GAS LINE
	UNDERGROUND POWER LINE
	OVERHEAD POWER LINE
	COMMUNICATION
	TOPOGRAPHIC CONTOUR
	PROPERTY LINE
	GUARD RAIL
	WET WEATHER DITCH
	WATER SPIGOT
	CATCH BASIN (DWCB)
	CATCH BASIN (SWCB)
	DROP INLET (DI)
	JUNCTION BOX (JB)
	HEAD WALL (HW)
	CURB INLET (CI)
	FLARED END SECTION (FES)
	OUTLET CONTROL STRUCTURE
	YARD DRAIN INLET
	SS MANHOLE (MH)
	CLEAN OUT (CO)
	IRRIGATION CONTROL VALVE
	FIRE HYDRANT (FH)
	WATER VALVE (WV)
	WATER METER (WM)
	FIRE DEPT. CONNECTION (FDC)
	WATER VALVE MARKER
	TRANSFORMER BOX (TX)
	AIR CONDITIONER (AC)
	ELECTRIC METER (EM)
	ELECTRIC UTILITY
	LIGHT POLE (LP)
	POWER POLE WITH LIGHT
	POWER POLE (PP)
	UTILITY MANHOLE (UM)
	SPOTLIGHT
	GAS METER (GM)
	GAS VALVE (GV)
	TELEPHONE PEDESTAL
	COMMUNICATION BOX
	BOLLARD (BO)
	MAIL BOX
	SIGN
	SPOT ELEVATION
	CONCRETE AREA
	OVERHANG AREA
	RIP-RAP AREA
	BRICK AREA
	TREELINE

TREE LEGEND (ABBREVIATIONS)

	DECIDUOUS (TREE)	BIR (BIRCH)	BIRCH	HLY (HOLLY)	HOLLY
	CONIFEROUS (TREE)	BCH (BEECH)	BEECH	HW (HARDWOOD)	HARDWOOD
		CM (CYPRESS)	CYPRESS	MAG (MAGNOLIA)	MAGNOLIA
		CHY (CHERRY)	CHERRY	MAP (MAPLE)	MAPLE
		CYP (CYPRESS)	CYPRESS	OAK (OAK)	OAK
		FIR (FIR)	FIR	ORN (ORNAMENTAL)	ORNAMENTAL
		GING (GINGKO)	GINGKO	PEAR (PEAR)	PEAR
		GUM (GUM)	SWEET GUM	POPL (POPLAR)	POPLAR
		HIC (HICKORY)	HICKORY	SYC (SYCAMORE)	SYCAMORE

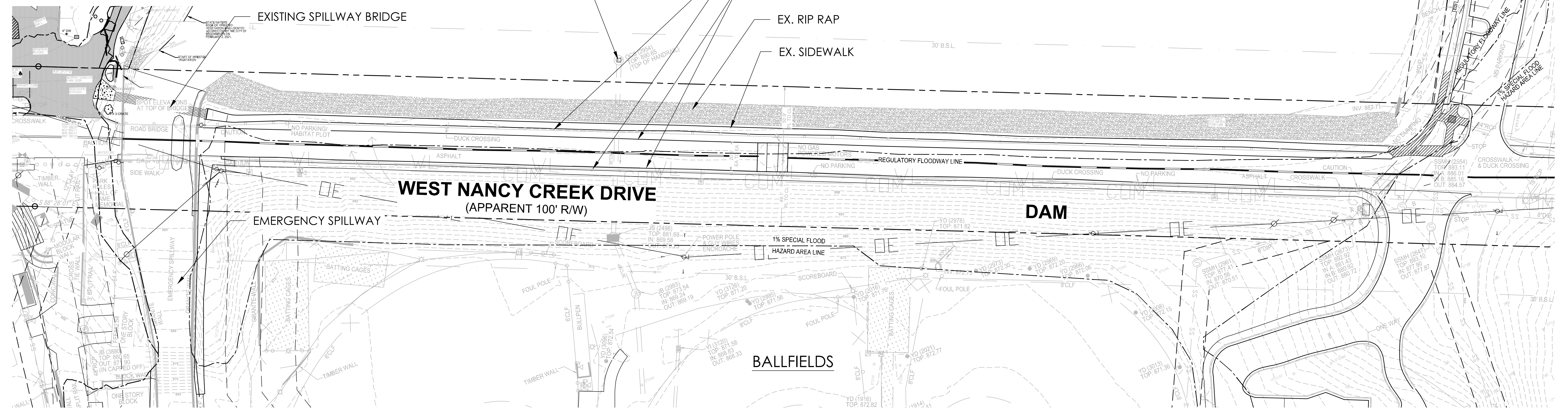
ABBREVIATIONS

A	ARC LENGTH	IPS	IRON PIN SET (CAPPED)
AC	ACRE	N/F	NOW OR FORMERLY
AE	ACCESS EASEMENT	OTP	OPEN TOP PIPE
B.S.L.	BUILDING SETBACK LINE	PS	PLAT BOOK
BW	BARB WIRE	PG	PAGE
CH	CHORD LENGTH	POB	POINT OF BEGINNING
CLF	CHAIN LINK FENCE	POC	POINT OF COMMENCEMENT
CMF	CONCRETE MONUMENT FOUND	R	RADIUS LENGTH
CMP	CORRUGATED METAL PIPE	R/W	RIGHT OF WAY
CONC.	CONCRETE	R/W MON	RIGHT OF WAY MONUMENT
CTP	CRIMP TOP PIPE	REBAR	REBAR
DB	DEED BOOK	RCP	REINFORCED CONCRETE PIPE
DIP	DUCTILE IRON PIPE	SDE	STORM DRAINAGE EASEMENT
FDC	FIRE DEPARTMENT CONNECTION	SQ. FT.	SQUARE FEET
FND	FOUND	SSE	SANITARY SEWER EASEMENT
HDPE	HIGH DENSITY POLYETHYLENE PIPE	WPF	WOOD PRIVACY FENCE
IPF	IRON PIN FOUND		



EXISTING LAKE
FROM OTHER SOURCES:
24"X 24" SLUICE GATE
30" CMP LOW-LEVEL DRAIN PIPE
INV 872.30

- EX. GUARDRAIL
- EX. DRIVE
- EX. RIP RAP
- EX. SIDEWALK

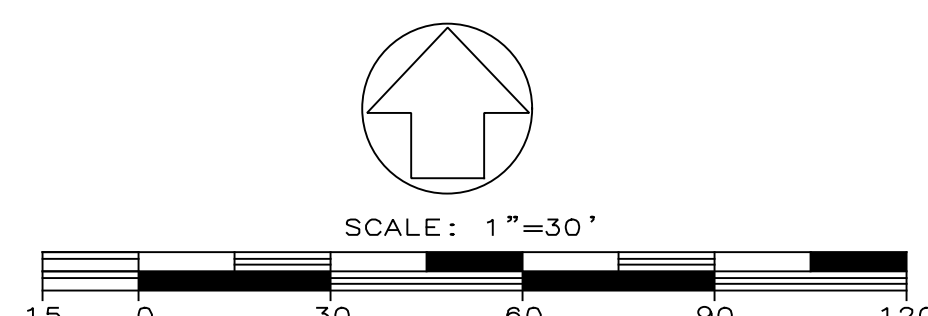


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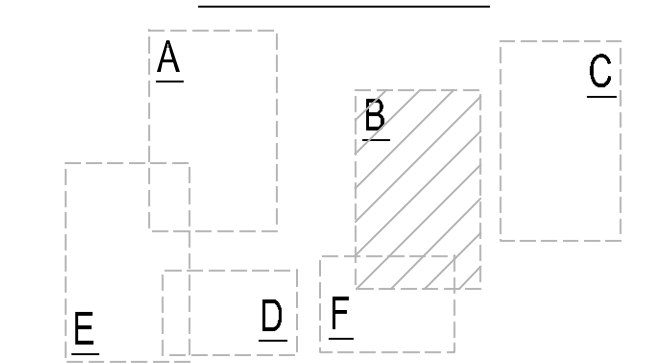
2021 SMALL TREE LOCATION
CPL LEAD DESIGNER FIELD LOCATED THE SMALL TREES ON SITE BY VISIT

2016 SURVEY & 2019 UPDATED TREE SURVEY
TERRAMARK LAND SURVEYING, INC.
1306 BELLS FERRY ROAD
MARIETTA, GEORGIA 30066
PHONE NO. (770) 421-1927
FAX NO. (770) 421-0552
WWW.TERRAMARK.COM
C. O. A. # LSF000610

NOTE:
THE WRESTED VEGETATION
AND 80% CONTOUR WERE
SURVEYED IN BY
TERRAMARK ON FEB. 4,
2021



Date last plotted: 2/4/2022 2:14 PM
Date last accessed: 11/15/2021 2:59 PM
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Plotted By: Grace Zhang



SITE VISIT:
CONTRACTOR SHALL VISIT THE SITE TO VALIDATE ALL DEMOLITION ITEMS AND VERIFY QUANTITIES.

TRAFFIC CONTROL PLAN:
CONTRACTOR TO PROVIDE TRAFFIC CONTROL PLAN PRIOR TO CONSTRUCTION.

GENERAL SITE DEBRIS & FINE GRADING NOTE:
THERE ARE VARIOUS SMALL ITEMS ON THE SITE THAT WILL BE AFFECTED BY DEMOLITION AND CONSTRUCTION. THE CONTRACTOR IS EXPECTED TO PROTECT PERMANENT ITEMS AND WORK AROUND OR REMOVE OTHER ITEMS AS NEEDED. THE FINAL SITE TO BE LEFT CLEAN AND FINE-GRADED. THE CONTRACTOR IS TO REMOVE ANY DIPS, GULLIES, PITS OR OTHER IRREGULARITIES WITHIN THE WORK LIMITS OF THE PROJECT.

DEMOLITION NOTES:

1. CONTRACTOR SHALL CONDUCT DEMOLITION ACTIVITIES WITHOUT INTERFERING WITH VEHICLE AND PEDESTRIAN TRAFFIC IN ADJACENT AREAS.
2. CONTRACTOR SHALL PROTECT UTILITIES AND BENCHMARKS NOT SCHEDULED FOR DEMOLITION FROM DAMAGE. AT NO ADDITIONAL COST TO OWNER, THE CONTRACTOR SHALL REPLACE OR REPAIR ITEMS DAMAGED BEYOND THE LIMITS OF THE DEMOLITION SHOWN.
3. DISCONNECT AND SEAL OFF ABANDONED UTILITIES TO BE REMOVED PRIOR TO THE START OF ANY DEMOLITION ACTIVITIES. UTILITIES SHALL BE DISCONNECTED BELOW EXISTING GRADE LEVEL, OR OUTSIDE OF CONTRACT LIMITS BY REPRESENTATIVES OF THE PUBLIC UTILITY BEING DISCONNECTED. MAINTAIN UTILITY SERVICE TO FACILITIES IN USE.
4. EXCEPT FOR ITEMS DESIGNATED TO BE REMOVED OR REUSED IN THE WORK, ALL MATERIALS RESULTING FROM THIS WORK SHALL BECOME THE PROPERTY OF THE CONTRACTOR, AND SHALL BE PROMPTLY REMOVED FROM THE SITE. STORAGE OR SALE OF REMOVED MATERIALS WILL NOT BE PERMITTED ON PROJECT SITE.
5. REMOVE ALL DEBRIS, RUBBISH, AND WASTE MATERIALS FROM THE SITE WITHIN CONSTRUCTION LIMITS. DO NOT STOCKPILE DEBRIS ON SITE.
6. ALL MATERIALS SHALL BE DISPOSED OF IN A LEGAL MANNER.
7. CONTRACTOR SHALL OBTAIN ALL PERMITS REQUIRED BY THE GOVERNING AGENCY HAVING JURISDICTION.
8. ALL LAND DISTURBANCE TO BE STABILIZED WITH VEGETATION OR RIP RAP UPON COMPLETION OF DEMOLITION PER THE EROSION AND CONTROL PLANS.
9. DUMPSTERS AND/OR TEMPORARY SANITARY FACILITIES SHALL NOT BE LOCATED IN THE ROADWAY OR PARKING LOTS.
10. SAWCUT PAVEMENTS, CURBS, AND/OR WALLS WHOLE TO PROVIDE SMOOTH TRANSITION BETWEEN IMPROVEMENTS TO REMAIN & NEW IMPROVEMENTS.

TEMPORARY LAKE POOL ELEVATION NOTE:

- CONTRACTOR SHALL LOWER THE POOL ELEVATION OF LAKE TO A MINIMUM OF 5 FT BELOW THE LOWEST FOOTING SUBGRADE ELEVATION.
- THIS TEMPORARY POOL ELEVATION SHALL BE MAINTAINED THROUGHOUT THE ENTIRE DURATION OF RETAINING WALL CONSTRUCTION AND BACKFILLING OPERATIONS.
- ONCE THE RETAINING WALLS HAVE BEEN CONSTRUCTED AND BACKFILLED (INCLUDING ALL INSPECTIONS) THE LAKE POOL ELEVATION CAN BE RETURNED TO NORMAL POOL ELEVATION.
- CONTRACTOR SHALL USE TEMPORARY SIPHONS/PUMPS TO FACILITATE THE TEMPORARY LOWERING THE POOL ELEVATION. SIPHON OUTLET SHALL BE LOCATED IN THE SPILLWAY.
- THE LAKE LEVEL SHALL NOT BE LOWERED AT A RATE OF MORE THAN ONE (1) VERTICAL FOOT PER WEEK.
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- DURING REFILLING THE DAM, CMP PIPE SHOULD BE MONITORED AND INSPECTED BY AN ENGINEER OF RECORD (EOR) AT EACH 2-FOOT INCREASE OF THE LAKE LEVEL.

PROJECT COORDINATION NOTES:
THIS PROJECT MAY HAVE TO BE COORDINATED WITH A BROOKHAVEN PUBLIC WORKS PROJECT TO REPAIR/REPLACE THE DAM'S LOW-LEVEL DRAINPIPE IF THE PROJECTS OVERLAP. THE CONTRACTOR MAY HAVE TO COORDINATE WITH THE PUBLIC WORKS CONTRACTOR TO DETERMINE WHAT ACTIONS HE WILL HAVE TO TAKE TO HELP TO LOWER THE LAKE LEVEL TO AT LEAST A FOOT BELOW THE INVERT OF THE LOW-LEVEL DRAINPIPE. ANY WORK IDENTIFIED BEYOND INITIAL COMMUNICATIONS WITH THE PUBLIC WORKS CONTRACTOR WILL PRECIPITATE A CHANGE ORDER TO THE MULTIUSE TRAIL ON CONTRACTOR.

FROM OTHER SOURCES:
24' X 24' SLUICE GATE
30" CMP LOW-LEVEL DRAIN PIPE
INV 872.30

HAUL OFF/RELOCATE RIP RAP UNDER PROPOSED SIDEWALK AND OBSERVATION DECKS AS DIRECTED BY THE CLIENT.

PROPOSED CONSTRUCTION STAGING AREA

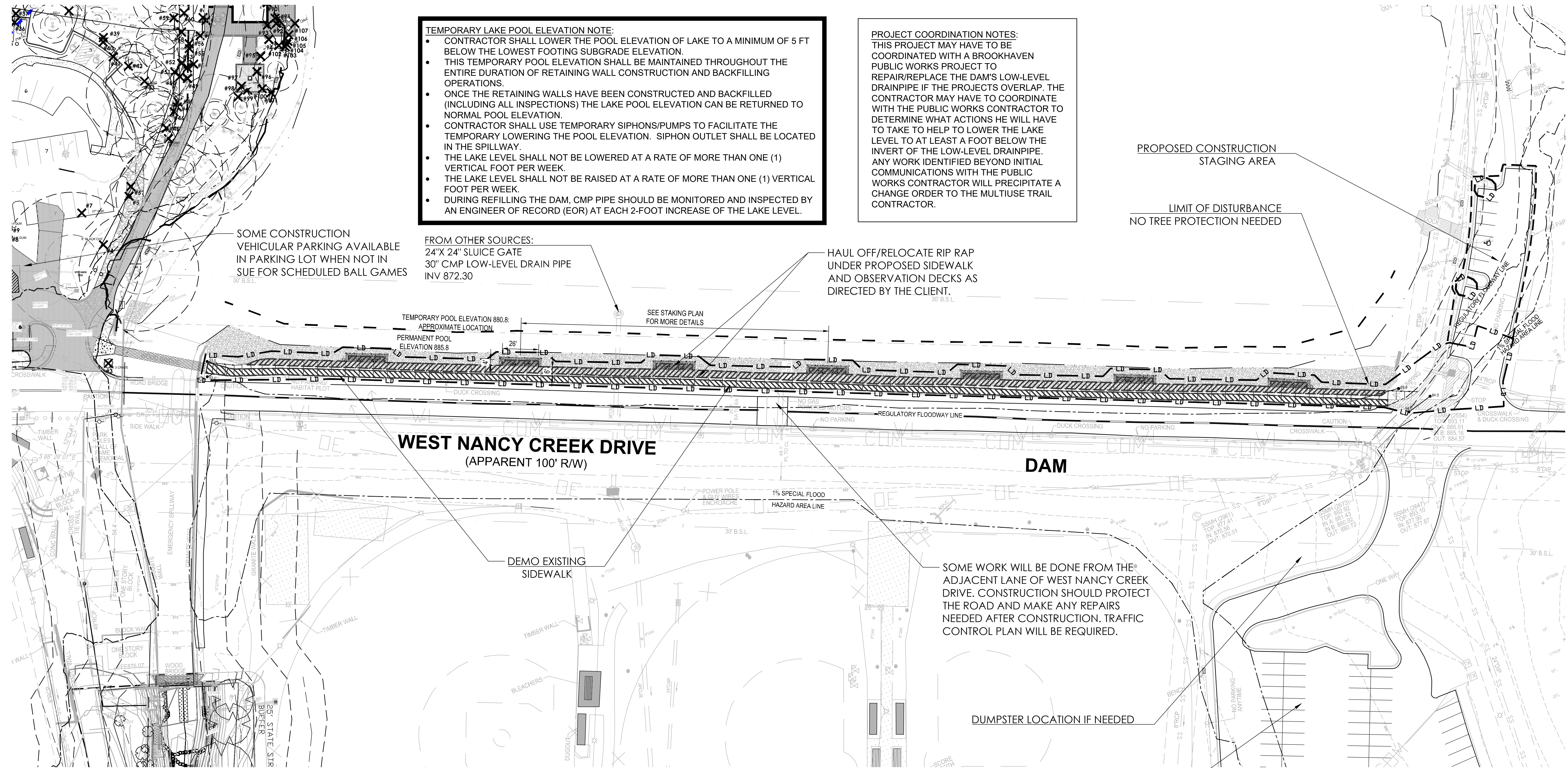
LIMIT OF DISTURBANCE
NO TREE PROTECTION NEEDED

SOME CONSTRUCTION VEHICULAR PARKING AVAILABLE IN PARKING LOT WHEN NOT IN SUE FOR SCHEDULED BALL GAMES

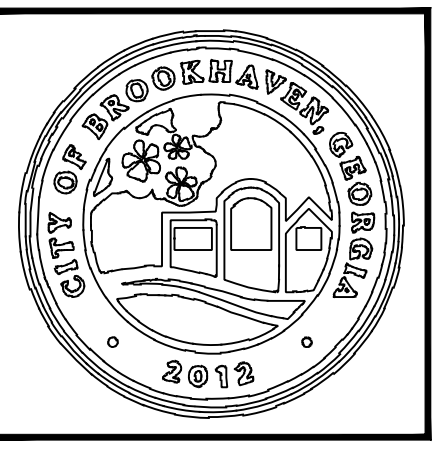
SOME WORK WILL BE DONE FROM THE ADJACENT LANE OF WEST NANCY CREEK DRIVE. CONSTRUCTION SHOULD PROTECT THE ROAD AND MAKE ANY REPAIRS NEEDED AFTER CONSTRUCTION. TRAFFIC CONTROL PLAN WILL BE REQUIRED.

DUMPSTER LOCATION IF NEEDED

SOME WORKMAN PARKING AVAILABLE IN PARKING LOT WHEN THERE ARE NO SCHEDULED BALL GAMES

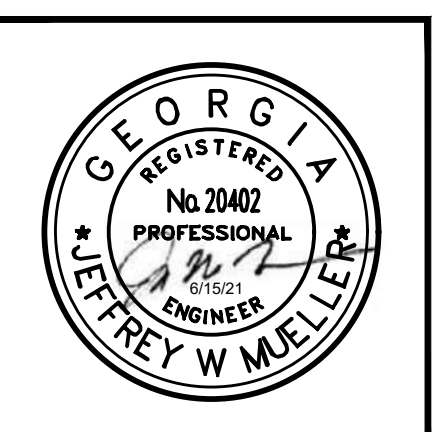
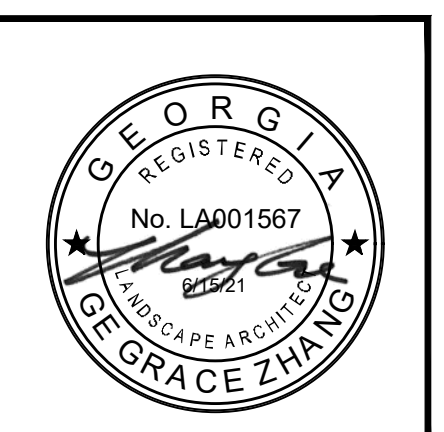


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 Date last plotted: 2/4/2022 2:14 PM
 Plotted By: Grace Zhang



DRAWINGS SCHEDULE

No.	Date	Description
31	04/29	Multi-Use Trail on Dam - Pre-Design Review
32	05/05	LDP - Community Open - City Council #1
33	05/28	LDP - Community Open - City Council #2
34	06/15	GIS/CADD/REVISION #1 - Shared Files
35	07/05	LDP - PROPOSAL - CITY COUNCIL #3
36	10/19	LDP - Review - City Council #4
37	11/04	Multi-Use Trail on Dam - EOR Review #1
38	01/07	Multi-Use Trail on Dam - EOR Review #2
39	02/04	Multi-Use Trail on Dam - CITY COUNCIL #4



CITY OF BROOKHAVEN
MURPHEY CANDLER PARK
1551 W. NANCY CREEK DRIVE NE
BROOKHAVEN, GEORGIA 30319

DATE	DRAWN	CHECKED
03/03/21	GZ	MC
SCALE		
SHEET TITLE	DEMO PLAN - MULTI-USE TRAIL ON DAM	

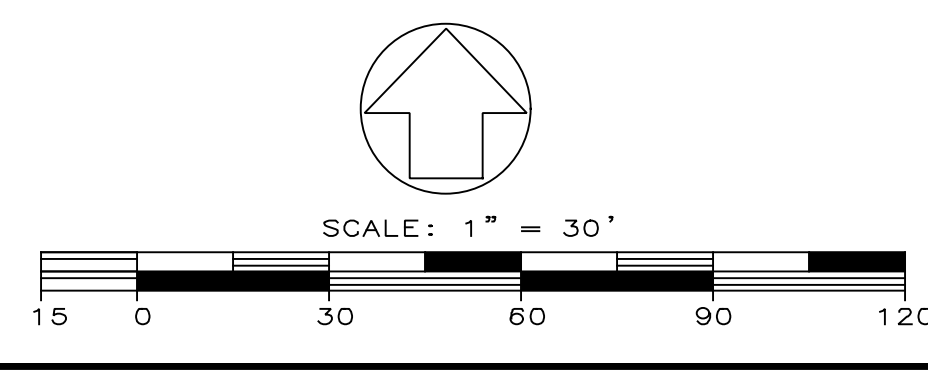
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CAD	C3.4
DRAWING NUMBER	4



2021 SMALL TREE LOCATION
CPL LEAD DESIGNER FIELD LOCATED THE SMALL TREES ON SITE BY VISIT

2016 SURVEY & 2019 UPDATED TREE SURVEY
TERRAMARK LAND SURVEYING, INC.
1396 BELLS FERRY ROAD
MARIETTA, GEORGIA 30086
PHONE NO. (770) 421-1927
FAX NO. (770) 421-0552
WWW.TERRAMARK.COM
C. O. A. # LSF000810

NOTE:
THE WRESTED VEGETATION AND 80% CONTOUR WERE SURVEYED IN BY TERRAMARK ON FEB. 4, 2021



- 1 MOBILIZATION, 1 JOB
A. STAKING - 1 JOB, SEE C4 SHEET SERIES
- 2 DEMOLITION, 1 JOB
SEE DEMOLITION PLANS, C3 SERIES
- 3 EROSION CONTROL, 1 JOB
SEE EROSION CONTROL PLANS, C7 SERIES
- 4 GRADING, 1 JOB
A. FOOTING EXCAVATION, 815 LF
B. RIP RAP REMOVAL, 957 CY
C. FILL BEHIND WALL, 957 CY

TEMPORARY LAKE POOL ELEVATION NOTE:

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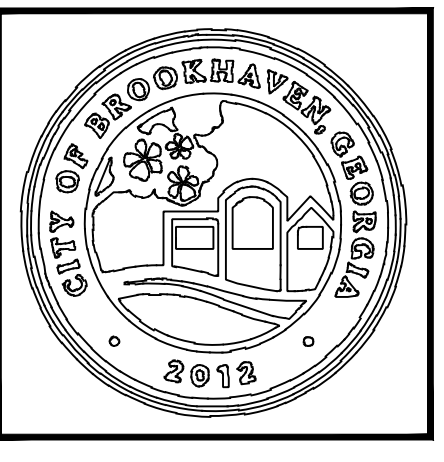
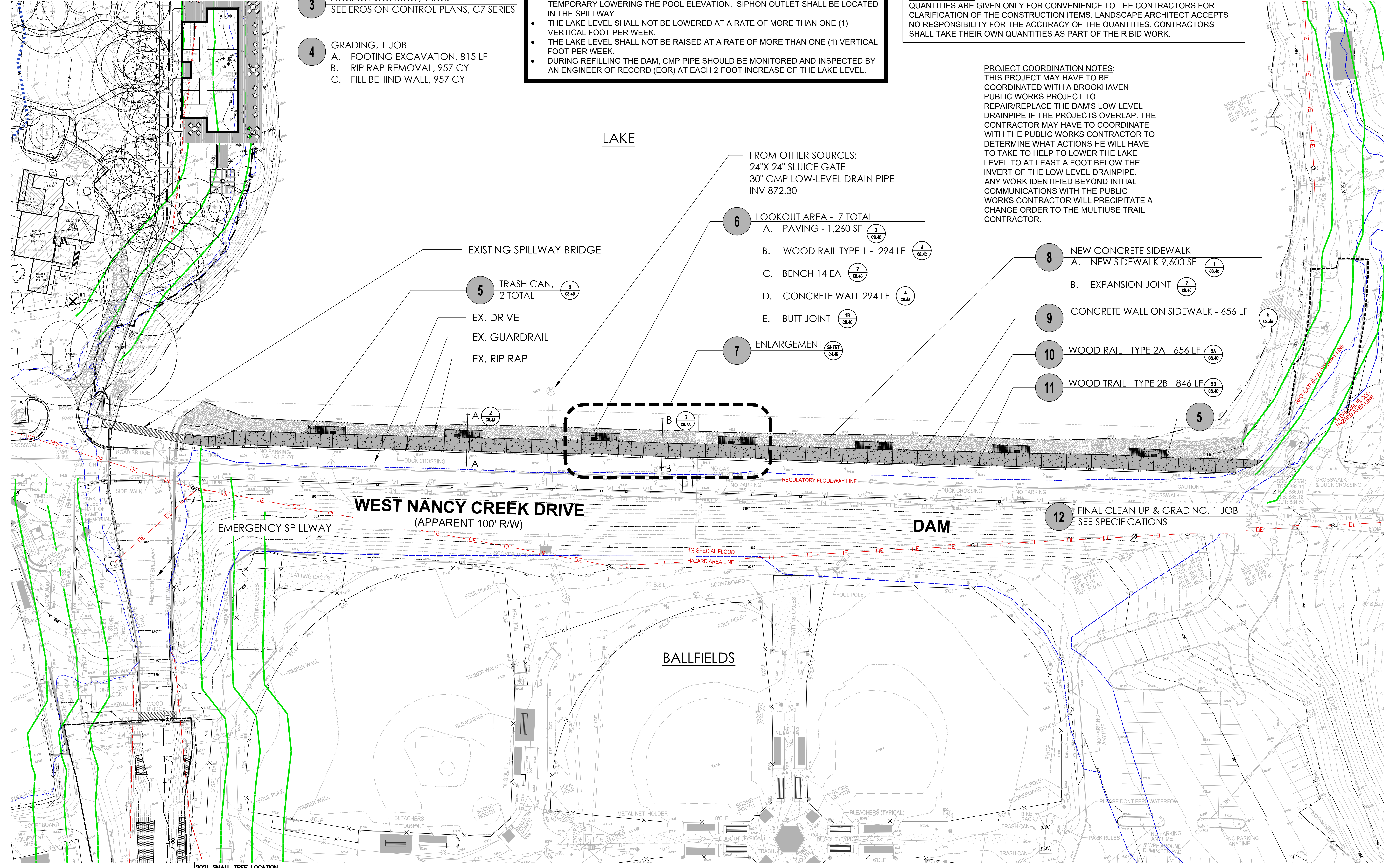
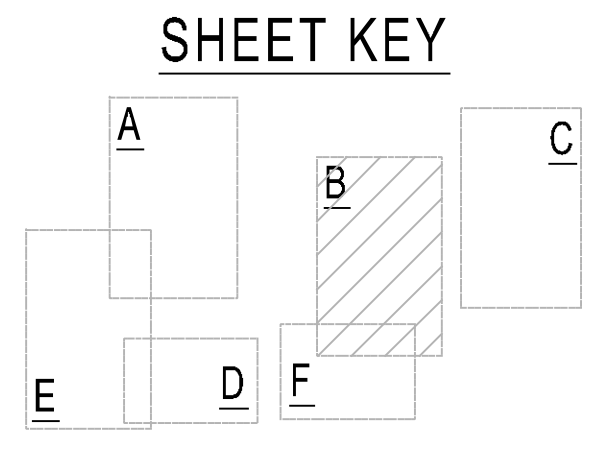
TREE NOTES:
NO SPECIMEN TREES ON SITE.

ACOE PERMIT NOTES:
NO RESTED VEGETATION ALONG THE DAM. NO NEED FOR ACOE PERMIT.

SOIL BORING NOTES:
ASSUMED 1500 PSF WHICH IS WHAT IBC STATES IF NO BORINGS ARE DONE.

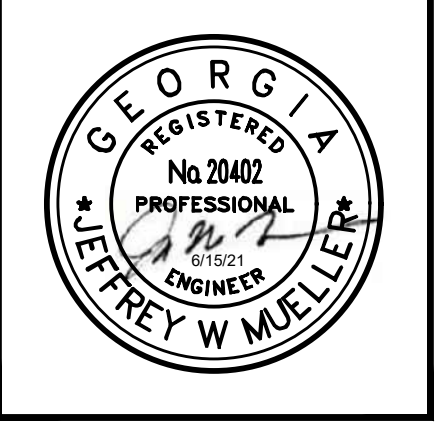
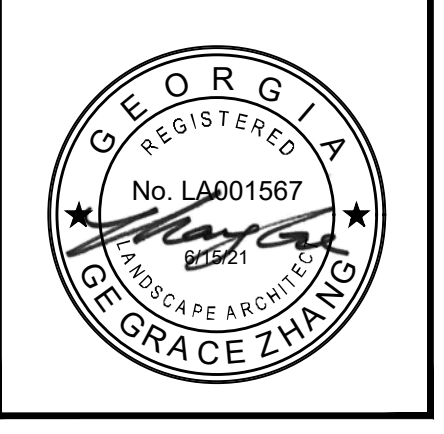
QUANTITY NOTE:
QUANTITIES ARE GIVEN ONLY FOR CONVENIENCE TO THE CONTRACTORS FOR CLARIFICATION OF THE CONSTRUCTION ITEMS. LANDSCAPE ARCHITECT ACCEPTS NO RESPONSIBILITY FOR THE ACCURACY OF THE QUANTITIES. CONTRACTORS SHALL TAKE THEIR OWN QUANTITIES AS PART OF THEIR BID WORK.

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DRAWINGS SCHEDULE

No.	Date	Description
31	04/29	Multi-use Trail on Dam - Preboard Review
32	05/05	LDP - Community Center - City Commission
33	05/08	LDP - Community Center - City Commission
34	06/15	GP/CC/Recreation#1 - Board Not Done
35	07/26	LDP - HOA - HANNAH - CITY COMMISSION
36	10/19	LDP - Recreation - City Commission
37	11/04	Multi-use Trail on Dam - EOR Review Not
38	01/07	Multi-use Trail on Dam - EOR Review Not
39	02/04	Multi-use Trail on Dam - CITY LDP COMMISSION



CITY OF BROOKHAVEN
MURPHEY CANDLER PARK
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BROOKHAVEN, GEORGIA 30319

DATE	DRAWN	CHECKED
03/03/21	GZ	MC
SCALE		
SHEET TITLE	LAYOUT PLAN MULTI-USE TRAIL ON DAM	

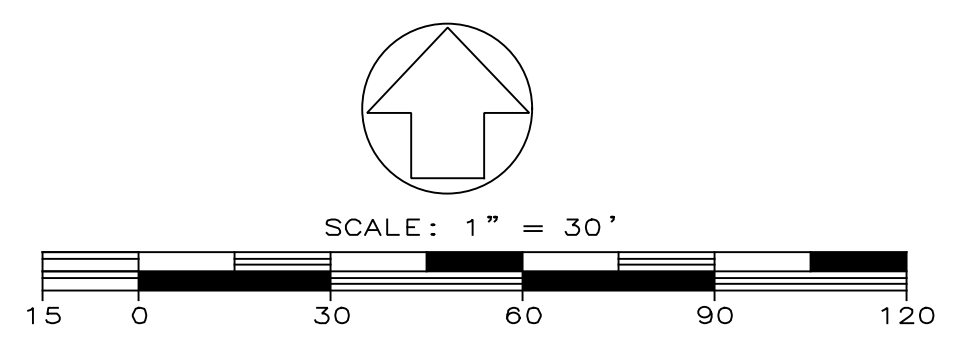
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DRAWING NUMBER	



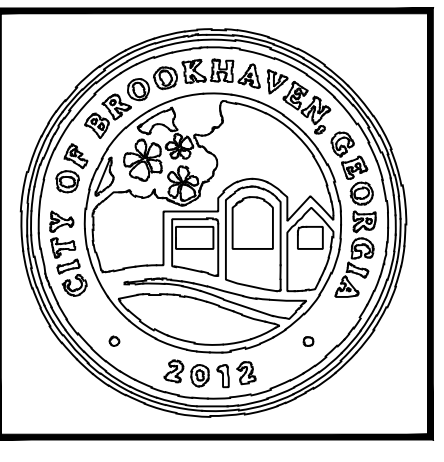
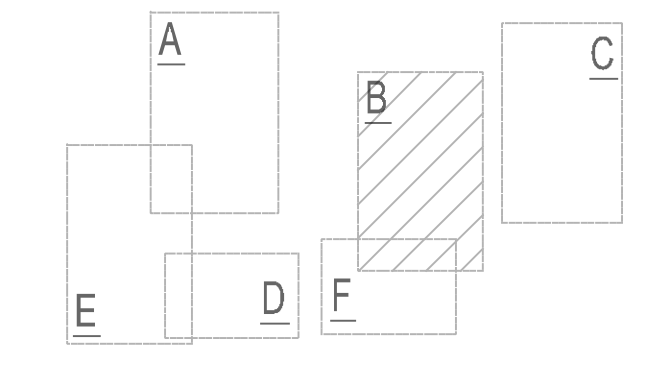
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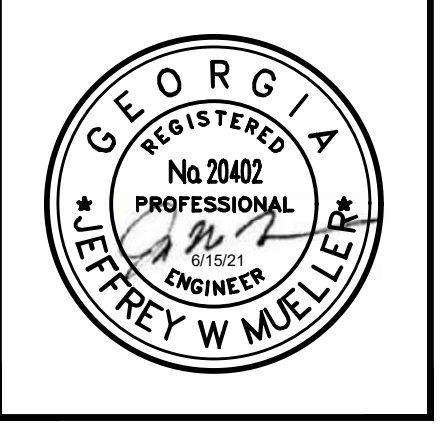


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 Plotted By: Grace Zhang



DRAWINGS SCHEDULE

No.	Date	Description
31	04/29	Multi-use Trail on Dam - Pre-Work Review
32	05/06	LDP - Community Meeting - City Commission
33	05/26	LDP - Community Meeting - City Commission #2
34	06/15	GIS/CC Review Meeting #1 - Solar And Trees
35	07/26	LDP - HOA Meeting - CITY COMMISSION #3
36	10/19	LDP - Hearing - City Commission #4
37	11/04	Multi-use Trail on Dam - EDR Review Meeting
38	01/07	Multi-use Trail on Dam - EDR Review Meeting
39	02/04	Multi-use Trail on Dam - CITY LDP COMMISSION #1



CITY OF BROOKHAVEN
MURPHEY CANDLER PARK
1551 W. NANCY CREEK DRIVE NE
BROOKHAVEN, GEORGIA 30319

DATE	DRAWN	CHECKED
03/03/21	GZ	MC
SCALE		
SHEET TITLE		
LAYOUT PLAN MULTI-USE TRAIL ON DAM ENLARGEMENT		

PROJECT NUMBER	15092.00
C4.4B	
6	
DRAWING NUMBER	

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TREE NOTES:

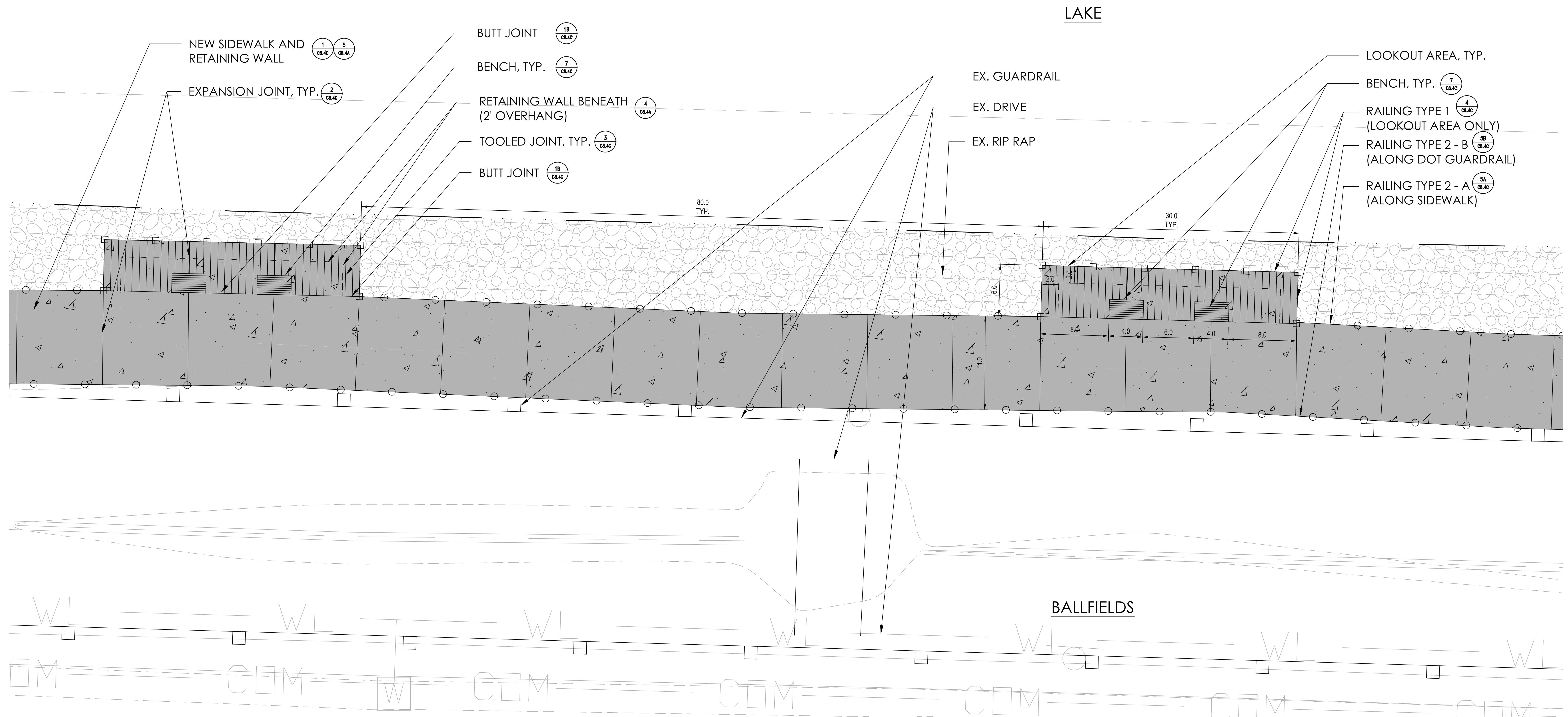
- NO SPECIMEN TREES ON SITE.

LAYOUT NOTES:

- TWO TRASH CANS ON EITHER END, SEE DETAIL 3/C8.4D.
- TOTAL 7 LOOKOUT AREAS.

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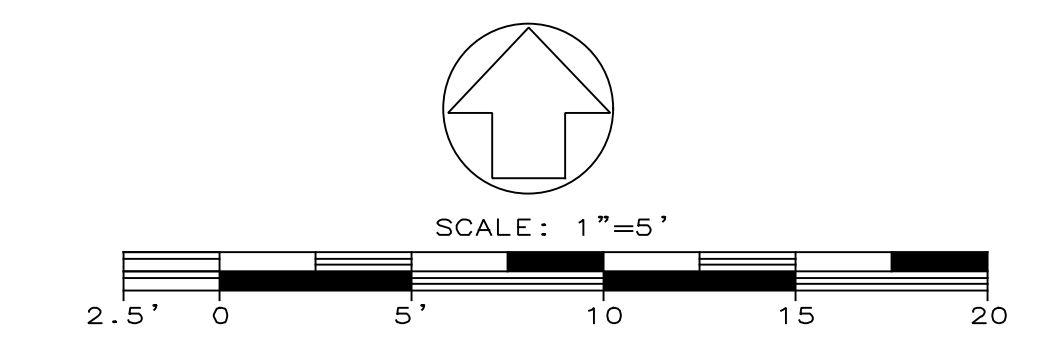
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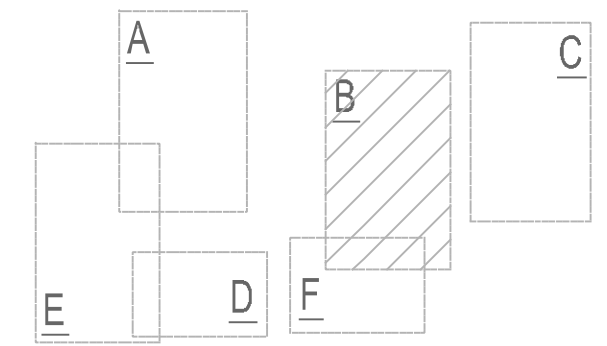
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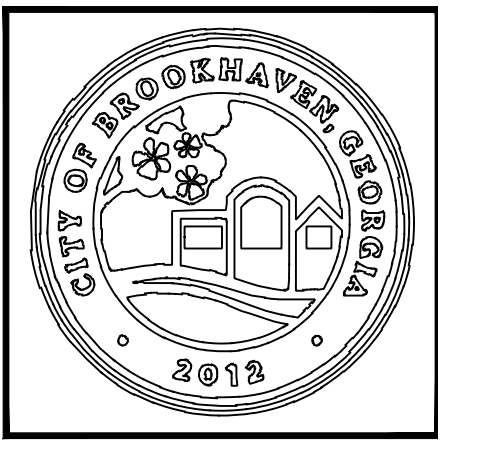
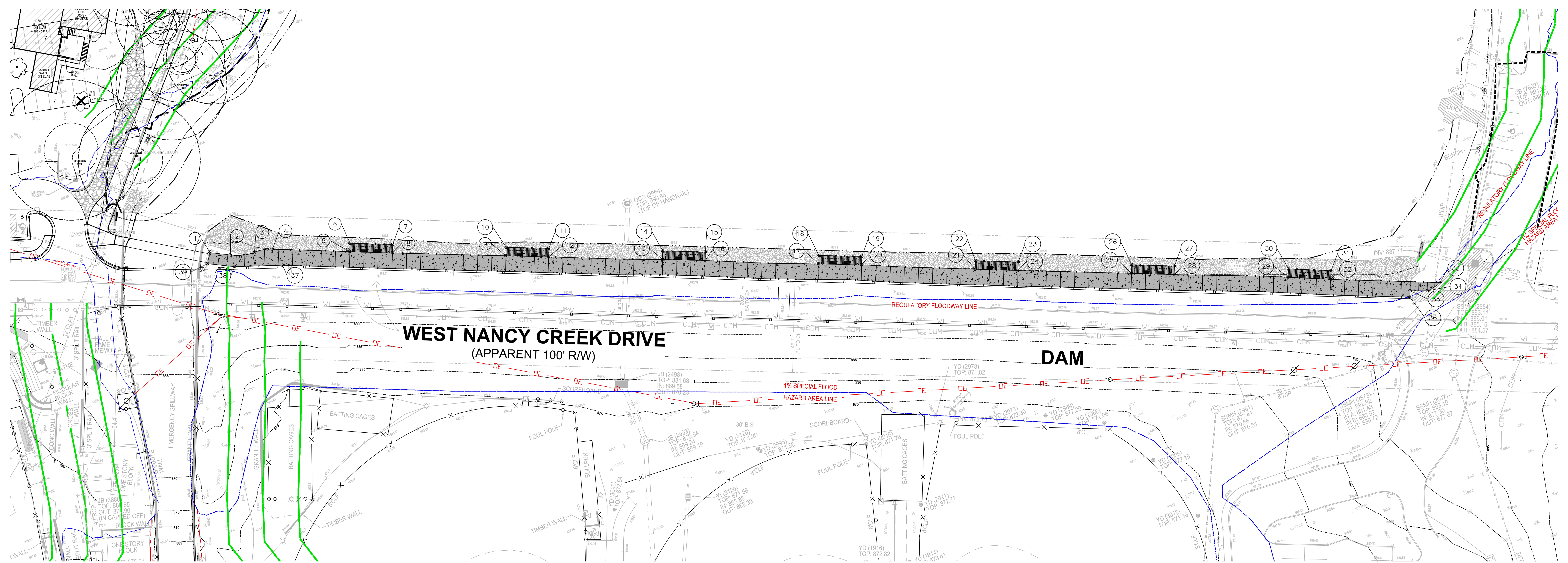


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3	1422135.1096	2248435.2338
5	1422135.8067	2248502.3235
6	1422141.6754	2248502.5126
7	1422140.8526	2248532.4930
8	1422134.9108	2248532.3280
10	1422138.8599	2248612.3491
11	1422138.0282	2248642.3437
12	1422132.0325	2248642.1774
13	1422130.2338	2248722.2514
14	1422136.2314	2248722.4214
15	1422135.5479	2248752.4049
16	1422129.5495	2248752.2681
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18	1422133.2049	2248832.2998
19	1422132.3730	2248862.2953
20	1422126.5311	2248862.1333

Point #	Northing	Easting
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22	1422129.3830	2248942.3363
23	1422128.5513	2248972.3309
24	1422122.5108	2248972.1669
25	1422120.5237	2249051.9976
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27	1422125.6855	2249082.1708
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34	1422108.2162	2249260.0012
35	1422108.3316	2249247.8963
36	1422103.7705	2249247.8394
37	1422126.3005	2248455.0061
38	1422125.2400	2248421.4486
39	1422127.3415	2248402.3718

TREE NOTES:
1. NO SPECIMEN TREES ON SITE.

ADJUSTMENT NOTES:
STAKING MAY BE SUBJECT TO SAME ADJUSTMENT IN THE FIELD AFTER STAKEOUT IS COMPLETE. ADJUSTMENT MAY BE MADE TO ACCOMMODATE EXISTING CONDITIONS ON SITE.



No.	Date	Description
31	06/29	Walk Line Trail on Dam - Postment Review
32	09/05	LDP - Comments - City Council
33	09/28	LDP - Comments - City Council
34	09/15	SSMOC Resolution #1 - Issue Fee Debit
35	07/26	LDP - FINAL PLANING - CITY COUNCIL #1
36	10/18	LDP - Resolution - City Council #1
37	11/04	Walk Line Trail on Dam - EDR Review Set
38	01/07	Walk Line Trail on Dam - EDR Review Set
39	02/04	Walk Line Trail on Dam - CITY LDP COMMENT #1



CITY OF BROOKHAVEN
MURPHEY CANDLER PARK
1551 W. NANCY CREEK DRIVE NE
BROOKHAVEN, GEORGIA 30319

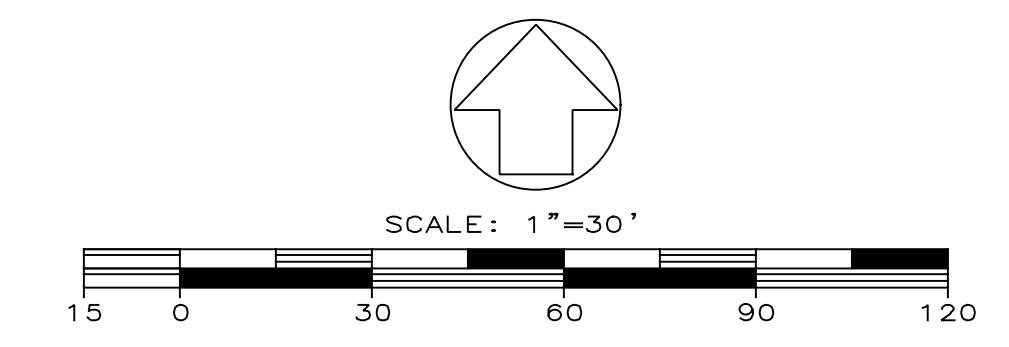
DATE	DRAWN	CHECKED
03/03/21	GZ	MC

SCALE
SHEET TITLE
STAKING PLAN
MULTI-USE TRAIL ON
DAM

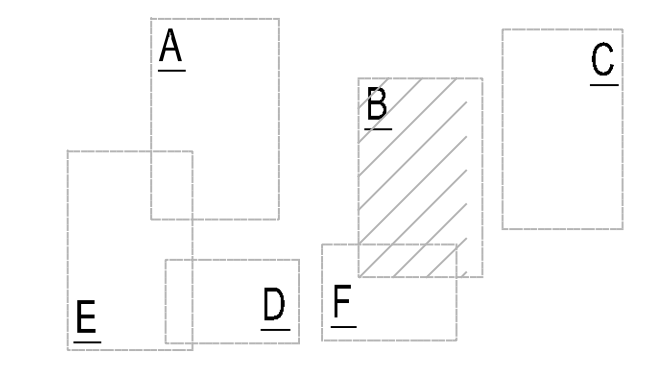
PROJECT NUMBER	15092.00
C4.4C	
7	
DRAWING NUMBER	



2021 SMALL TREE LOCATION
CPL LEAD DESIGNER FIELD LOCATED THE SMALL TREES ON SITE BY VISIT
2016 SURVEY & 2019 UPDATED TREE SURVEY
TERRAMARK LAND SURVEYING, INC.
1396 BELLS FERRY ROAD
MARIETTA, GEORGIA 30066
PHONE NO. (770) 421-1927
FAX NO. (770) 421-0552
WWW.TERRAMARK.COM
C. O. A.# LSF000810
NOTE:
THE WRESTED VEGETATION AND BGS CONTOUR WERE SURVEYED BY TERRAMARK ON FEB. 4, 2021



SHEET KEY



TEMPORARY LAKE POOL ELEVATION NOTE:

- CONTRACTOR SHALL LOWER THE POOL ELEVATION OF LAKE TO A MINIMUM OF 5 FT BELOW THE LOWEST FOOTING SUBGRADE ELEVATION.
- THIS TEMPORARY POOL ELEVATION SHALL BE MAINTAINED THROUGHOUT THE ENTIRE DURATION OF RETAINING WALL CONSTRUCTION AND BACKFILLING OPERATIONS.
- ONCE THE RETAINING WALLS HAVE BEEN CONSTRUCTED AND BACKFILLED (INCLUDING ALL INSPECTIONS) THE LAKE POOL ELEVATION CAN BE RETURNED TO NORMAL POOL ELEVATION.
- CONTRACTOR SHALL USE TEMPORARY SIPHONS/PUMPS TO FACILITATE THE TEMPORARY LOWERING THE POOL ELEVATION. SIPHON OUTLET SHALL BE LOCATED IN THE SPILLWAY.
- THE LAKE LEVEL SHALL NOT BE LOWERED AT A RATE OF MORE THAN ONE (1) VERTICAL FOOT PER WEEK.
- THE LAKE LEVEL SHALL NOT BE RAISED AT A RATE OF MORE THAN ONE (1) VERTICAL FOOT PER WEEK.
- DURING REFILLING THE DAM, CMP PIPE SHOULD BE MONITORED AND INSPECTED BY AN ENGINEER OF RECORD (EOR) AT EACH 2-FOOT INCREASE OF THE LAKE LEVEL.

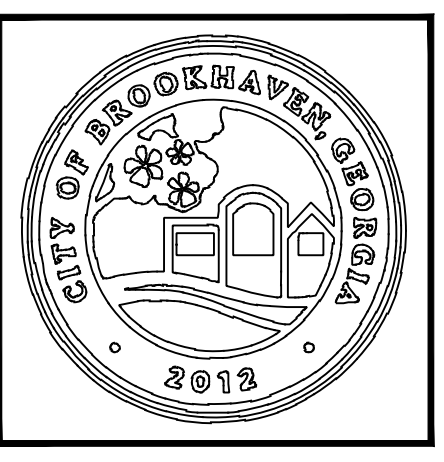
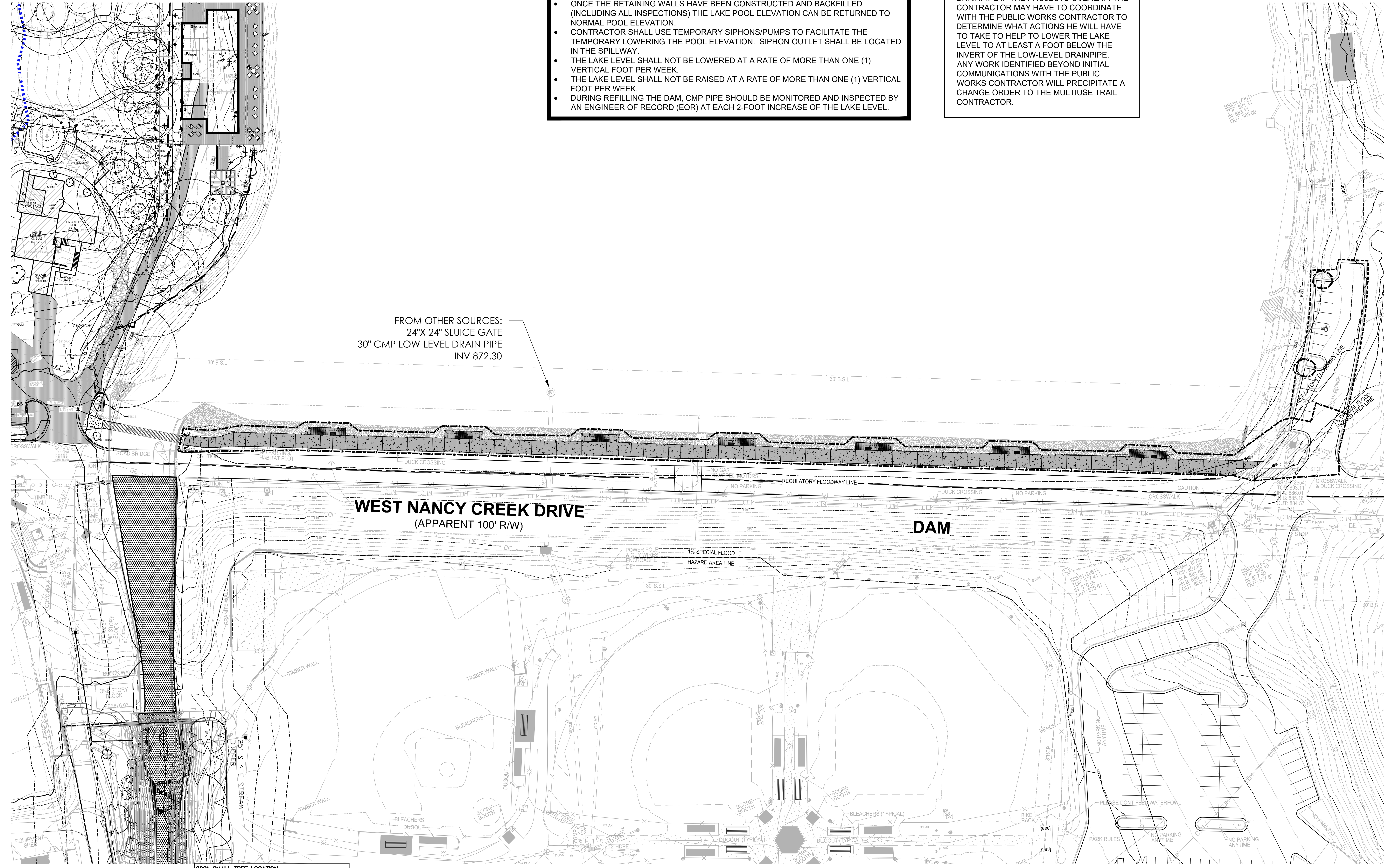
PROJECT COORDINATION NOTES:

THIS PROJECT MAY HAVE TO BE COORDINATED WITH A BROOKHAVEN PUBLIC WORKS PROJECT TO REPAIR/REPLACE THE DAM'S LOW-LEVEL DRAINPIPE IF THE PROJECTS OVERLAP. THE CONTRACTOR MAY HAVE TO COORDINATE WITH THE PUBLIC WORKS CONTRACTOR TO DETERMINE WHAT ACTIONS HE WILL HAVE TO TAKE TO HELP TO LOWER THE LAKE LEVEL TO AT LEAST A FOOT BELOW THE INVERT OF THE LOW-LEVEL DRAINPIPE. ANY WORK IDENTIFIED BEYOND INITIAL COMMUNICATIONS WITH THE PUBLIC WORKS CONTRACTOR WILL PRECIPITATE A CHANGE ORDER TO THE MULTIUSE TRAIL CONTRACTOR.

FROM OTHER SOURCES:
24"X 24" SLUICE GATE
30" CMP LOW-LEVEL DRAIN PIPE
INV 872.30

WEST NANCY CREEK DRIVE
(APPARENT 100' R/W)

DAM



DRAWINGS SCHEDULE

No.	Date	Description
31	04/29	Multi-Use Trail on Dam - Placeholder
32	05/05	LIP - Community Green - City Council #1
33	05/28	LIP - Community Green - City Council #1
34	06/15	Interim Resolution - Multi-Use Trail
35	07/26	LIP - PROS PARKING - CITY COUNCIL #1
36	10/19	LIP - Resolution - City Council #1
37	11/04	Multi-Use Trail on Dam - EOR Review Set
38	01/07	Multi-Use Trail on Dam - EOR Review Set
39	02/04	Multi-Use Trail on Dam - CITY LIP COUNCIL #1



CITY OF BROOKHAVEN
MURPHEY CANDLER PARK
1551 W. NANCY CREEK DRIVE NE
BROOKHAVEN, GEORGIA 30319

DATE	DRAWN	CHECKED
03/03/21	GZ	MC

SCALE
SHEET TITLE
GRADING AND DRAINAGE PLAN
MULTI-USE TRAIL ON DAM

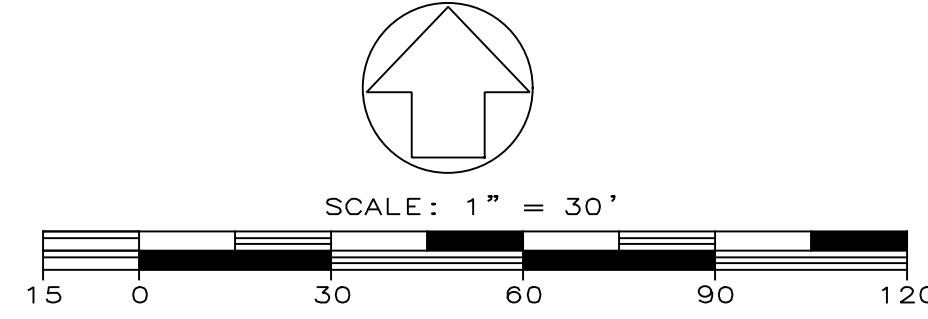
PROJECT NUMBER	15092.00
C5.4	
8	
DRAWING NUMBER	



2021 SMALL TREE LOCATION
OPL LEAD DESIGNER FIELD LOCATED THE SMALL TREES ON SITE BY VISIT

2016 SURVEY & 2019 UPDATED TREE SURVEY
TERRAMARK LAND SURVEYING, INC.
1386 BELLS FERRY ROAD
MARIETTA, GEORGIA 30066
PHONE NO. (770) 421-1927
FAX NO. (770) 421-0552
WWW.TERRAMARK.COM
C. O. A. # LSF000810

NOTE:
THE UNRESTED VEGETATION AND 803 CONTOUR WERE SURVEYED IN BY TERRAMARK ON FEB. 4, 2021



Drawing Name: S:\Projects\Brookhaven, C\Murphey, Candler\01 Job Into CAD\C5 Series, MCP-Grading and Drainage Plan.dwg
Date last accessed: 2/4/2022 12:16 PM
Printed By: Grace Zhang
Date last plotted: 2/4/2022 2:17 PM

Construction Exit (Co)



DEFINITION
A stone stabilized pad located at any point where traffic will be leaving a construction site to a public right-of-way, street, alley, sidewalk or parking area or any other area where there is a transition from bare soil to a paved area.

PURPOSE
To reduce or eliminate the transport of mud from the construction area onto public rights-of-way by motor vehicles or by runoff.

CONDITIONS
This practice is applied at appropriate points of construction egress. Geotextile underlayment is required to stabilize and support the pad aggregates.

DESIGN CRITERIA
Formal design is not required. The following standards shall be used:

Aggregate Size
Stone will be in accordance with National Stone Association R-2 (1.5 to 3.5 inch stone).

Pad Thickness
The gravel pad shall have a minimum thickness of 6 inches.

Pad Width
At a minimum, the width should equal full width of all points of vehicular egress, but not less than 20 feet wide.

Pad Length
The gravel pad shall have a minimum length of 50 feet.

of 50 feet. When the construction is less than 50' from the paved access, the length shall be from the edge of existing pavement to the permitted building being constructed.

Washing
If the action of the vehicle traveling over the gravel pad does not sufficiently remove the mud, the tires should be washed prior to entrance onto public rights-of-way. When washing is required, it shall be done on an area stabilized with crushed stone and provisions that intercept the sediment-laden runoff and direct it into an approved sediment trap or sediment basin.

Location
The exit shall be located or protected to prevent sediment from leaving the site.

CONSTRUCTION SPECIFICATIONS
It is recommended that the egress area be excavated to a depth of 3 inches and be cleared of all vegetation and roots.

Diversion Ridge
On sites where the grade toward the paved area is greater than 2%, a diversion ridge 6 to 8 inches high with 3:1 side slopes shall be constructed across the foundation approximately 15 feet above the road.

Geotextile
The geotextile underlayment must be placed the full length and width of the entrance. Geotextile selection shall be based on AASHTO M288-06 specification:

- For subgrades with a CBR greater than or equal to 3 or shear strength greater than 30 kPa, geotextile must meet requirements of section AASHTO M288-06 Section 7.3, Separation Requirements.
- For subgrades with a CBR between 1 and 3 or shear strength between 30 and 90 kPa, geotextile must meet requirements of section AASHTO M288-06 Section 8, Geotextile Properties Requirements for Sub-surface Drainage, Separation, Stabilization, and Permanent Erosion Control (Geotextile Property Requirements).

MAINTENANCE

The exit shall be maintained in a condition that will prevent tracking and 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 trap sediment. All materials spilled, dropped, washed, or tracked from vehicles or site onto roadways or into storm drains must be removed immediately.

CRUSHED STONE CONSTRUCTION EXIT

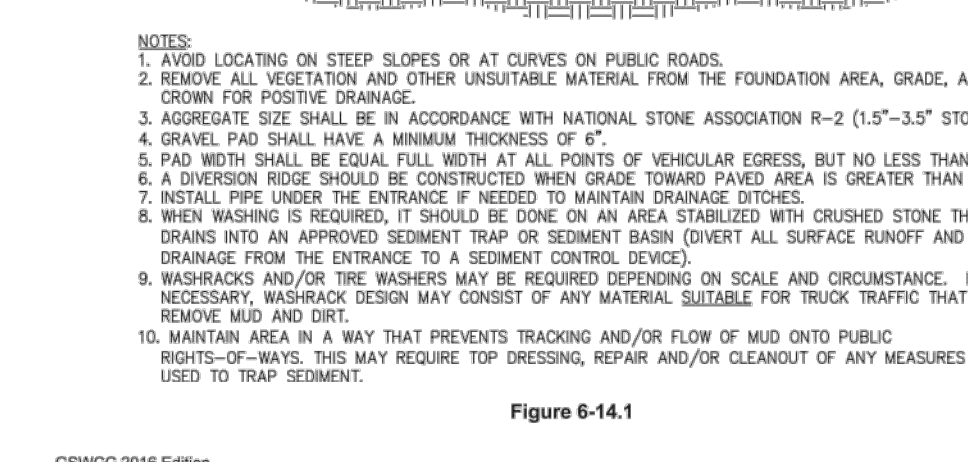
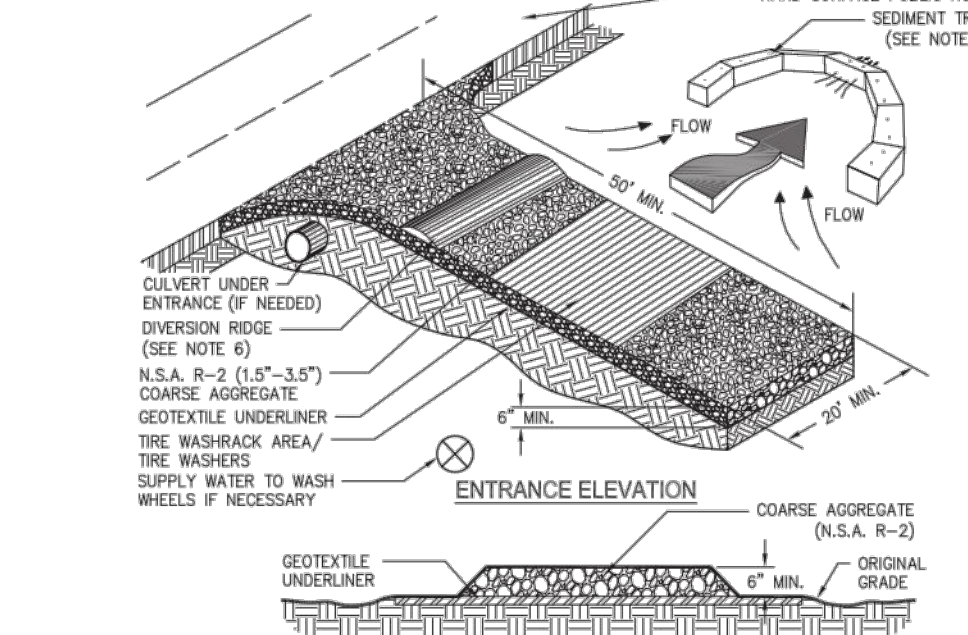


Figure 6-14.1

Sediment Barrier (Sd1)



DEFINITION
Sediment Barriers are temporary structures made up of a porous material typically supported by steel or wood posts. Types of sediment barriers may include silt fence, brush piles, mulch berms, compost filter socks or other filtering material.

PURPOSE
To minimize and prevent sediment carried by sheet flow from leaving the site and entering natural drainage ways or storm drainage systems by slowing storm water runoff and causing the deposition and/or filtration of sediment at the structure. The barriers retain the soil on the disturbed land until the activities disturbing the land are completed and vegetation is established.

CONDITIONS
Barriers should be installed where runoff can be stored behind the barrier without damaging the subgrade area behind the barrier or the structure itself. Sediment barriers shall not be installed across streams, ditches, waterways, or any area the design professional designates as sensitive.

DESIGN CRITERIA
Sediment barriers are designed to retain sediment transported by sheet flow from disturbed areas. It is important for the design professional to take into account the profile of the product for use on the site.

CONSTRUCTION SPECIFICATIONS
Non-sensitive Areas - Sd1-NS
Sediment barriers being used as Type NS shall have a support spacing of no greater than 8 feet on center, with each being driven into the ground a minimum of 18 inches.

Figure 6-14.2

SILT FENCE - SENSITIVE



DEFINITION
Silt fences are temporary structures made up of a porous material typically supported by steel or wood posts. Types of silt fences may include silt fence, brush piles, mulch berms, compost filter socks or other filtering material.

PURPOSE
To minimize and prevent sediment carried by sheet flow from leaving the site and entering natural drainage ways or storm drainage systems by slowing storm water runoff and causing the deposition and/or filtration of sediment at the structure. The barriers retain the soil on the disturbed land until the activities disturbing the land are completed and vegetation is established.

CONDITIONS
Barriers should be installed where runoff can be stored behind the barrier without damaging the subgrade area behind the barrier or the structure itself. Sediment barriers shall not be installed across streams, ditches, waterways, or any area the design professional designates as sensitive.

DESIGN CRITERIA
Sediment barriers are designed to retain sediment transported by sheet flow from disturbed areas. It is important for the design professional to take into account the profile of the product for use on the site.

CONSTRUCTION SPECIFICATIONS
Non-sensitive Areas - Sd1-NS
Sediment barriers being used as Type NS shall have a support spacing of no greater than 8 feet on center, with each being driven into the ground a minimum of 18 inches.

Figure 6-14.3

CONCRETE WASHOUT DETAIL

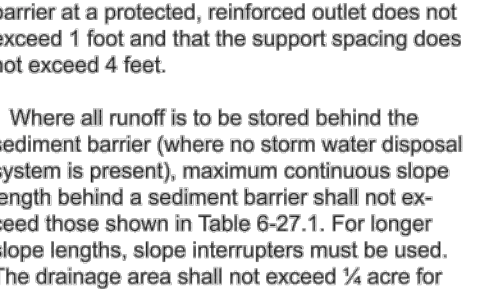


Figure 6-14.4

Table 6-27.1 Criteria for Sediment Barrier

Land Slope	Maximum Slope Length Above Fence
Percent	Feet
< 2	100
2 to 5	75
5 to 10	50
10 to 20	25
> 20	15

"In areas where the slope is greater than 20%, a flat area length of 10 feet between the toe of slope to the barrier should be provided."

Placement
The type of sediment barrier depends on whether the area is sensitive or nonsensitive. Sensitive areas can be defined as any area that needs additional protection, these areas include but are not limited to: state waters, wetlands, or any area the design professional designates as sensitive.

When using multiple types of sediment barriers on a site in a single run, the barriers must be overlapped 18 inches or as specified by design professional. See Figure 6-27.5.

CONSTRUCTION SPECIFICATIONS

Non-sensitive Areas - Sd1-NS
Sediment barriers being used as Type NS shall have a support spacing of no greater than 8 feet on center, with each being driven into the ground a minimum of 18 inches.

Sensitive Areas - Sd1-S
Sediment barriers being used as Type S shall have a support spacing of no greater than 4 feet on center, with each being driven into the ground a minimum of 18 inches.

Table 6-27.2 Post Size

Type	Min Length	Type of Post	Size of Post
NS	4'	Soft wood Oak Steel	3/4 dia or 2x4 1.5" x 1.5" 1.18 lb./ft. min
S	4'	Steel Oak	1.15-1.25 lb./ft. min 2"x2"

Table 6-27.3 Fasteners for Wood Posts

Wire Staples	Gauge	Crown Legs	12" long	5 min.
17 min.	3/4"	wide	12"	5 min.
17 min.	3/4"	wide	12"	5 min.

Table 6-27.4 Fasteners for Wood Posts

Gauge	Length	Butt-on Heads	Nail Post
14 min.	1"	3/4"	4 min.

Note: Fabric material may also be attached to the post by wire, cords, and pockets.

FASTENERS FOR SILT FENCES



Figure 6-27.5

Table 6-27.5 Fasteners for Wood Posts

Wire Staples	Gauge	Crown Legs	12" long	5 min.
17 min.	3/4"	wide	12"	5 min.
17 min.	3/4"	wide	12"	5 min.

Note: Fabric material may also be attached to the post by wire, cords, and pockets.

FASTENERS FOR SILT FENCES



Figure 6-27.5

Table 6-27.5 Fasteners for Wood Posts

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FASTENERS FOR SILT FENCES



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FASTENERS FOR SILT FENCES



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FASTENERS FOR SILT FENCES



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CONCRETE WASHOUT DETAIL

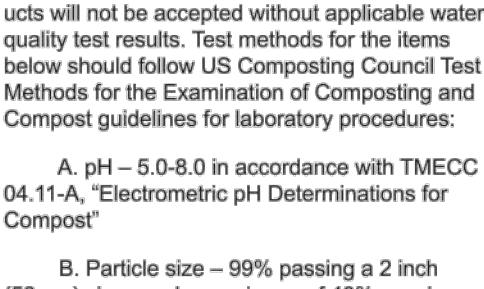


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When using multiple types of sediment barriers on a site in a single run, the barriers must be overlapped 18 inches or as specified by design professional. See Figure 6-27.5.

CONSTRUCTION SPECIFICATIONS

Non-sensitive Areas - Sd1-NS
Sediment barriers being used as Type NS shall have a support spacing of no greater than 8 feet on center, with each being driven into the ground a minimum of 18 inches.

Sensitive Areas - Sd1-S
Sediment barriers being used as Type S shall have a support spacing of no greater than 4 feet on center, with each being driven into the ground a minimum of 18 inches.

FASTENERS FOR SILT FENCES



Figure 6-27.5

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FASTENERS FOR SILT FENCES

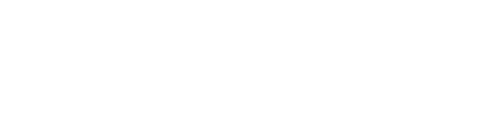


Figure 6-27.5

Table 6-27.5 Fasteners for Wood Posts

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Note: Fabric material may also be attached to the post by wire, cords, and pockets.

FASTENERS FOR SILT FENCES



Figure 6-27.5

Table 6-27.5 Fasteners for Wood Posts

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Note: Fabric material may also be attached to the post by wire, cords, and pockets.

FASTENERS FOR SILT FENCES



CONCRETE WASHOUT DETAIL



Figure 6-14.4

Table 6-27.1 Criteria for Sediment Barrier

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> 20	15

"In areas where the slope is greater than 20%, a flat area length of 10 feet between the toe of slope to the barrier should be provided."

Placement
The type of sediment barrier depends on whether the area is sensitive or nonsensitive. Sensitive areas can be defined as any area that needs additional protection, these areas include but are not limited to: state waters, wetlands, or any area the design professional designates as sensitive.

When using multiple types of sediment barriers on a site in a single run, the barriers must be overlapped 18 inches or as specified by design professional. See Figure 6-27.5.

CONSTRUCTION SPECIFICATIONS

Non-sensitive Areas - Sd1-NS
Sediment barriers being used as Type NS shall have a support spacing of no greater than 8 feet on center, with each being driven into the ground a minimum of 18 inches.

Sensitive Areas - Sd1-S
Sediment barriers being used as Type S shall have a support spacing of no greater than 4 feet on center, with each being driven into the ground a minimum of 18 inches.

FASTENERS FOR SILT FENCES



Figure 6-27.5

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Note: Fabric material may also be attached to the post by wire, cords, and pockets.

FASTENERS FOR SILT FENCES



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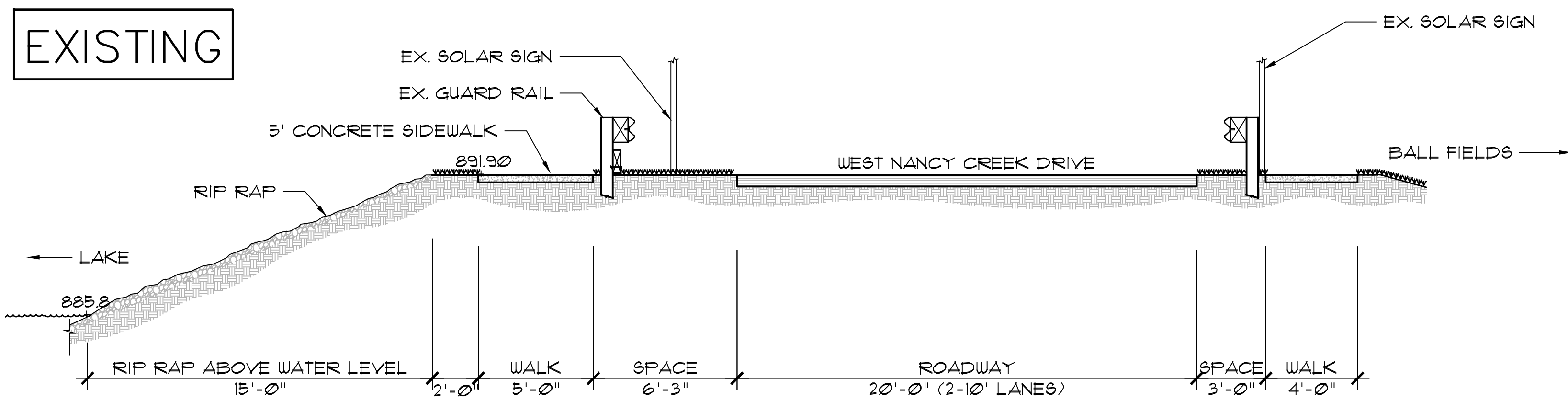
FASTENERS FOR SILT FENCES



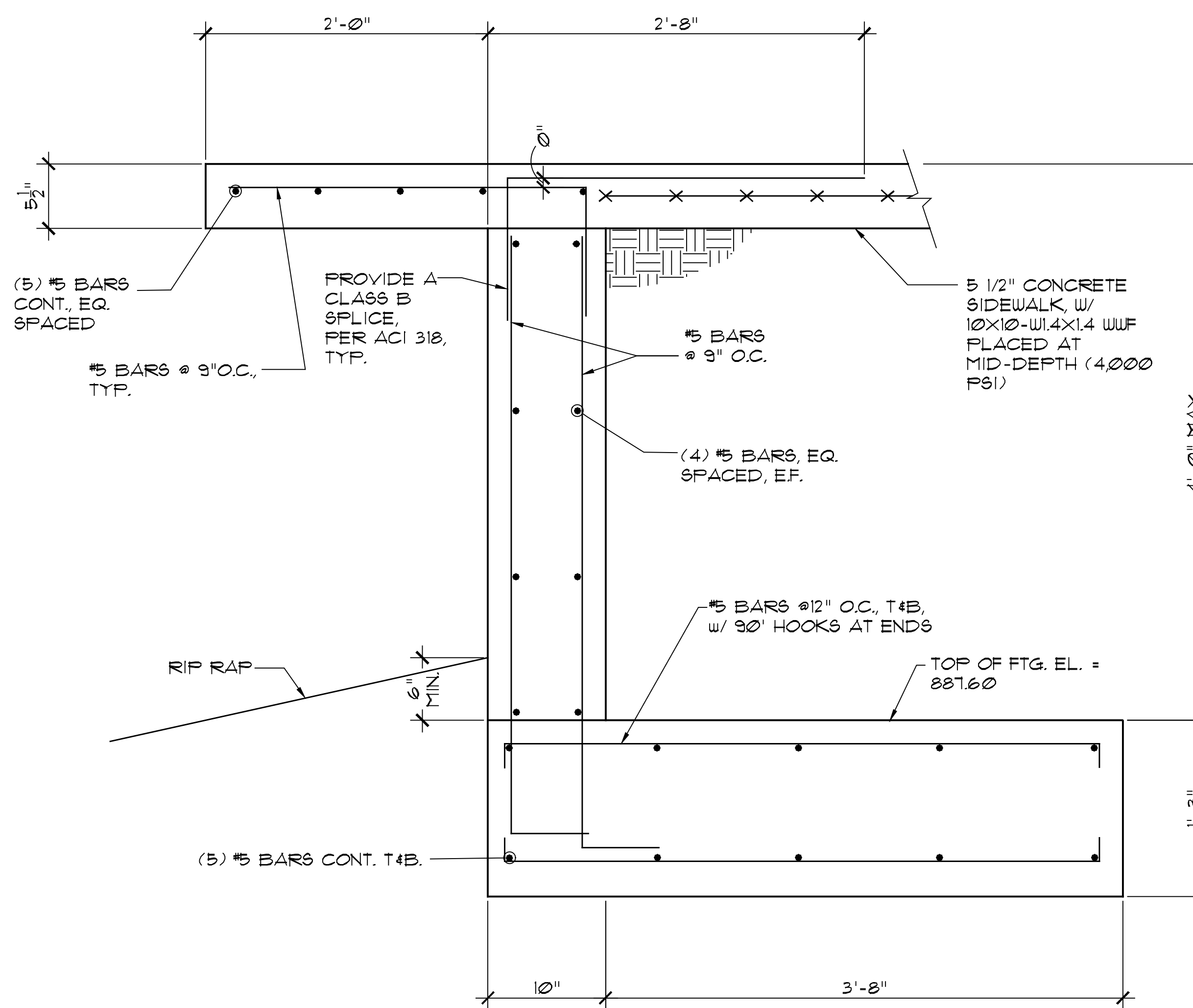
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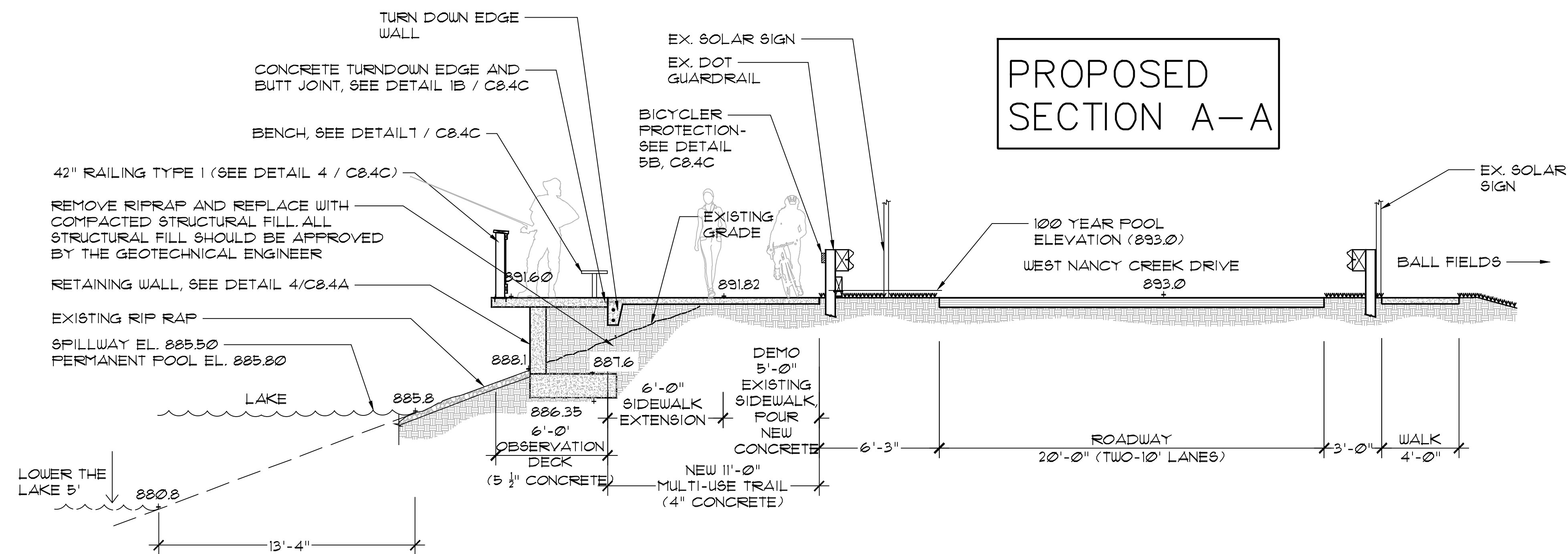


1 MURPHEY CANDLER DAM - EX. CONDITIONS
1/4"=1'-0"

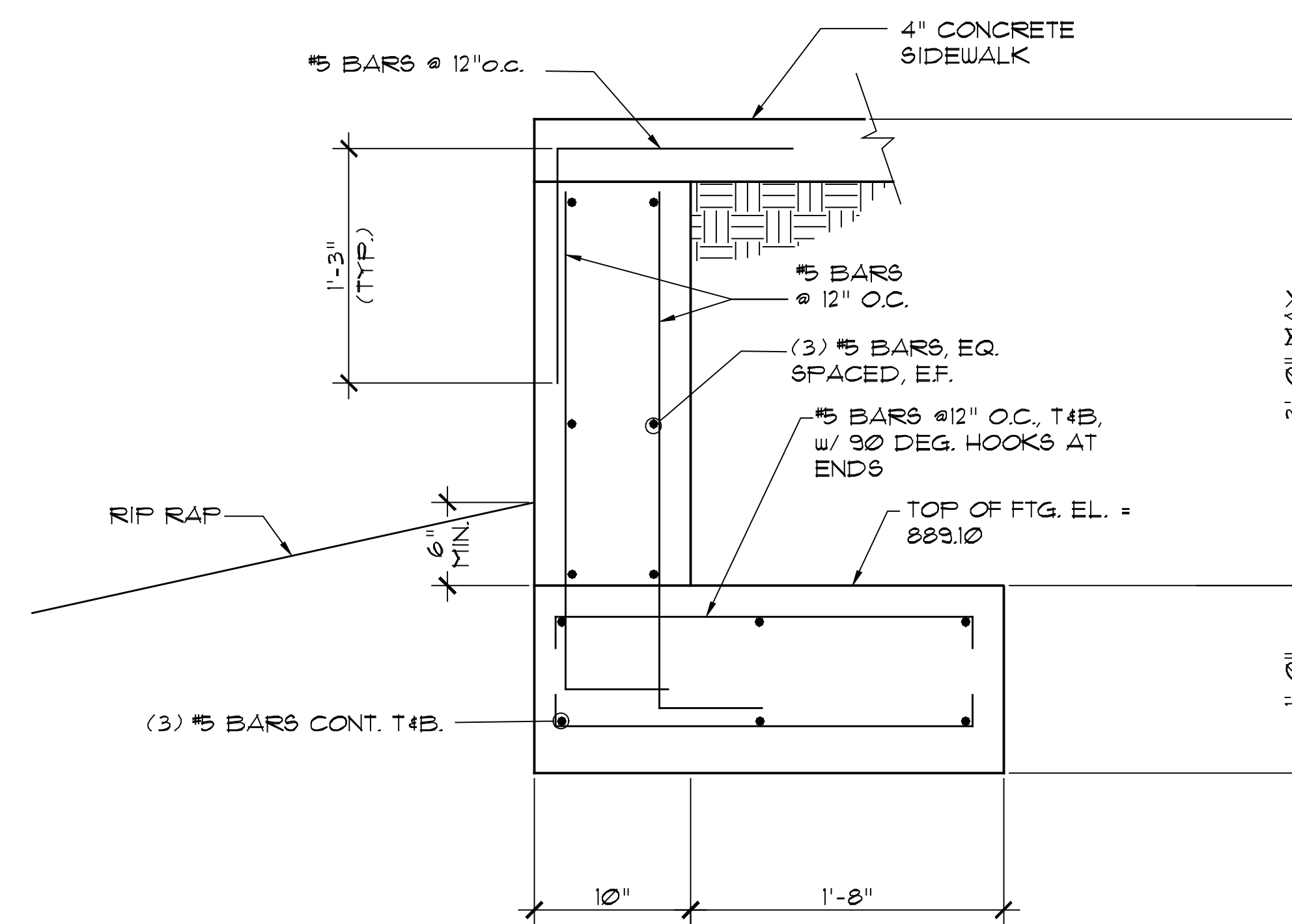


4 MURPHEY CANDLER DAM - RETAINING WALL DETAIL SECTION A-A
1 1/2"=1'-0"

FINAL-2021

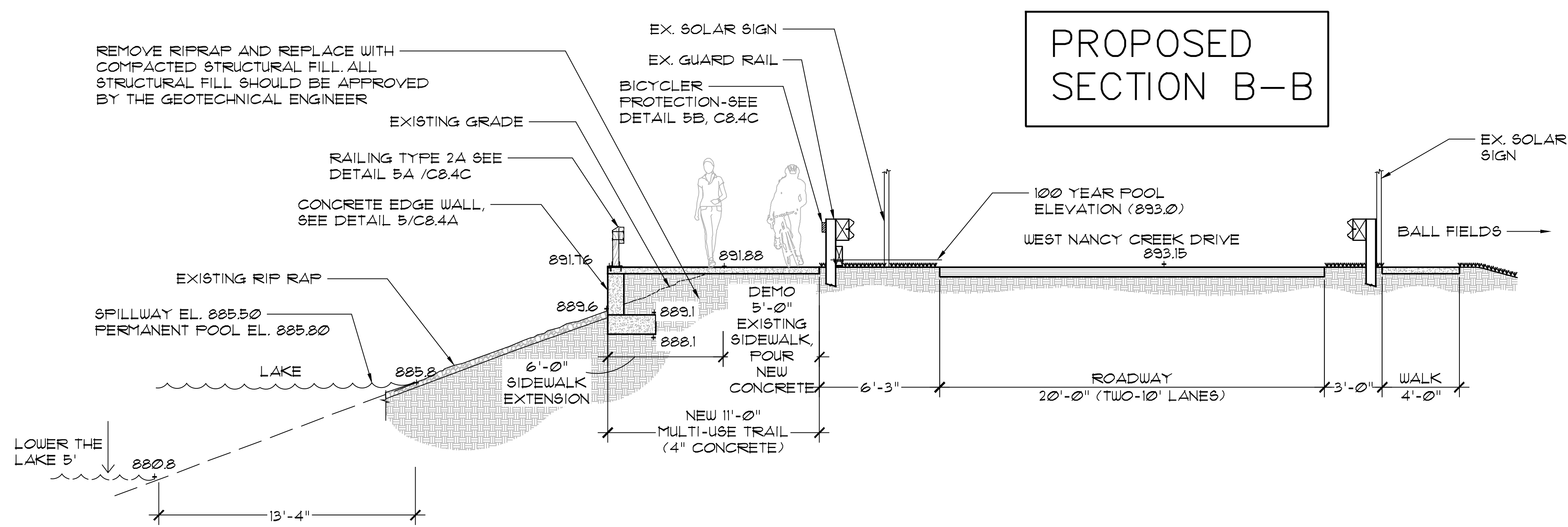


2 MURPHEY CANDLER DAM - PROPOSED BOARDWALK SECTION A-A WITH OVERLOOK CONCRETE DECK
1/4"=1'-0"

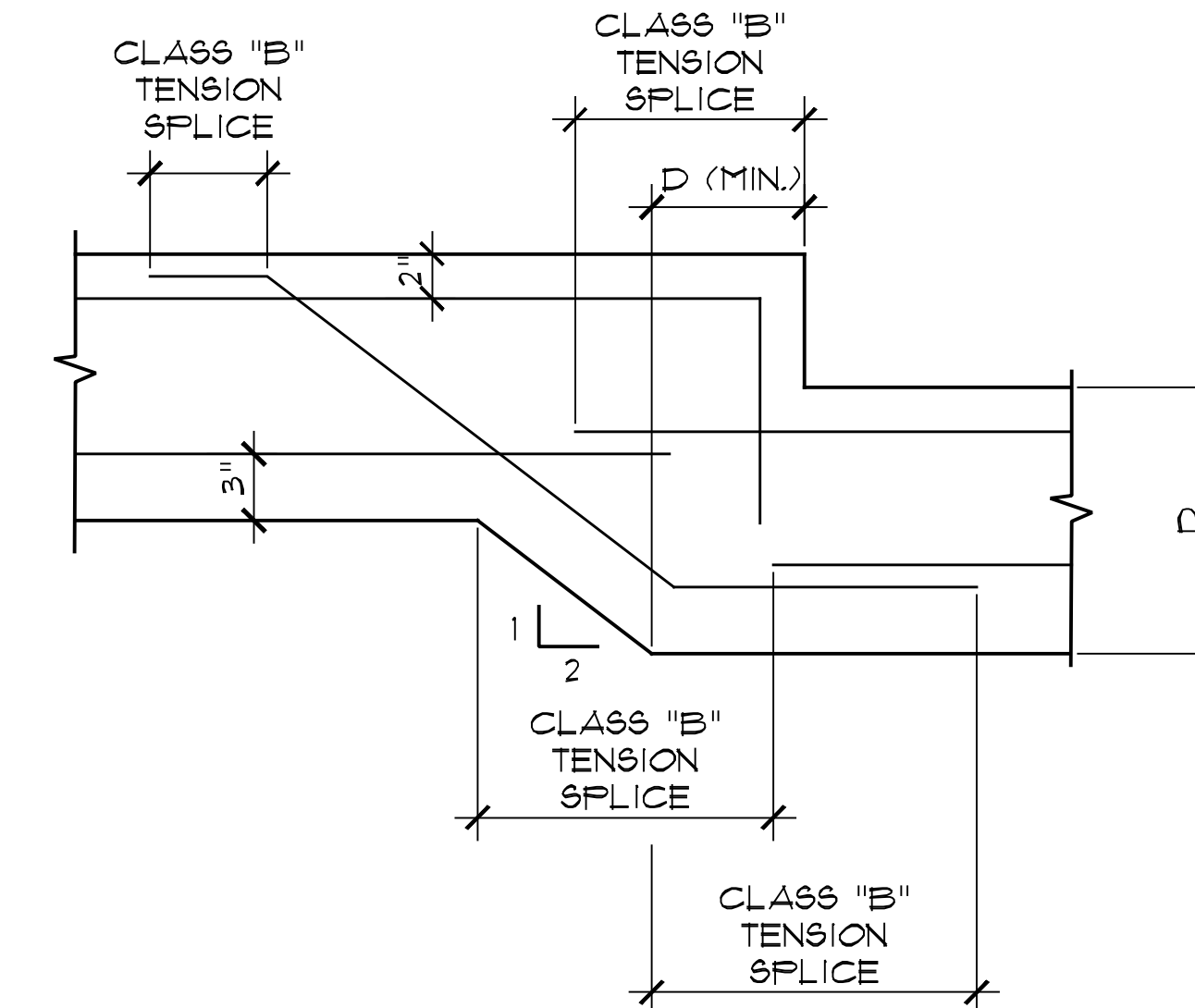


5 MURPHEY CANDLER DAM - RETAINING WALL DETAIL SECTION B-B
1 1/2"=1'-0"

FINAL-2021



3 MURPHEY CANDLER DAM - PROPOSED BOARDWALK SECTION B-B W/O OVERLOOK
1/4"=1'-0"



6 FOOTING STEP DETAIL
1 1/2"=1'-0"

No.	Date	Description
31	04/29	Multi-Use Trail on Dam - Pre-Design Review
32	05/05	LDP - Community Design - City Comment #1
33	05/28	LDP - Community Design - City Comment #2
34	06/15	SBDC - Resubmittal #1 - Solar Trail Deck
35	07/26	LDP - FOOT PARKING - CITY COMMENT #1
36	10/19	LDP - Resubmittal - City Comment #2
37	11/04	Multi-Use Trail on Dam - EOR Review Set
38	01/07	Multi-Use Trail on Dam - EOR Review Set
39	02/04	Multi-Use Trail on Dam - CITY LDP COMMENT #1

DATE	DRAWN	CHECKED
03/03/21	GZ	MC

SHEET TITLE
SITE DETAILS #1
MULTI-USE TRAIL ON
DAM

PROJECT NUMBER	15092.00
C8.4A	
19	
DRAWING NUMBER	

GENERAL NOTES

- THE STRUCTURE SHOWN ON THESE DRAWING IS SOUND ONLY IN ITS COMPLETED FORM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE DESIGN, ADEQUACY, SAFETY AND STABILITY OF TEMPORARY ERECTION BRACING AND SHORING.
- WHERE A DETAIL, TYPICAL DETAIL, SECTION, TYPICAL SECTION OR PLAN NOTE IS SHOWN FOR ONE CONDITION, IT SHALL APPLY FOR ALL SIMILAR OR LIKE CONDITIONS UNLESS NOTED OTHERWISE.
- ALL DESIGN, INCLUDING MATERIAL STRESSES AND METHODS OF CONSTRUCTION SHALL BE IN COMPLIANCE WITH THE 2018 INTERNATIONAL BUILDING CODE WITH GEORGIA STATE AMENDMENTS, THE UNIFORM BUILDING CODE, OSHA AND GOVERNING AGENCIES HAVING JURISDICTION.
- THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS, ELEVATIONS AND SITE CONDITIONS SHOWN ON THE DRAWINGS AND IMMEDIATELY NOTIFY THE OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES PRIOR TO ORDERING OR FABRICATING MATERIALS OR OTHERWISE PROCEEDING WITH THE WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES IN ORDER TO COMPLY WITH THE CONSTRUCTION DOCUMENTS. THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIAL, EQUIPMENT AND SERVICES REQUIRED TO EXECUTE AND COMPLETE ALL ITEMS OF WORK AS SHOWN OR INDICATED ON THE DRAWINGS AND AS SPECIFIED HEREIN, INCLUDING INCIDENTAL ITEMS TO EFFECT A FINISHED AND COMPLETE JOB, EVEN THOUGH SUCH ITEMS ARE NOT SHOWN OR PARTICULARLY MENTIONED.
- THE GENERAL CONTRACTOR SHALL USE CONSTRUCTION METHODS THAT ARE IN STRICT ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
- CONTRACTOR SHALL BE COMPLETELY RESPONSIBLE FOR ADEQUATELY SHORING EXISTING CONSTRUCTION WHILE PERFORMING NEW WORK.
- DIMENSIONS ARE NOT TO BE DERIVED BY SCALING THESE DRAWINGS. IF THERE ARE ANY QUESTIONS REGARDING DIMENSIONS, CONTACT THE ARCHITECT/ENGINEER FOR INFORMATION PRIOR TO SUBMITTING SHOP DRAWINGS.
- THE CONTRACTOR SHALL COORDINATE ALL STRUCTURAL WORK WITH THE CIVIL DRAWINGS AND SPECIFICATIONS, AND WITH THE WORK OF ALL OTHER TRADES.
- THE CONTRACTOR SHALL RESTORE TO ITS ORIGINAL CONDITION ALL SITE APPURTENANCES DAMAGED UNDER THIS CONTRACT AT NO ADDITIONAL COST TO THE OWNER.
- INFORMATION IN THESE STRUCTURAL NOTES IS A SELECTED SUMMARY OF REQUIREMENTS. REFER TO SPECIFICATIONS FOR AMPLIFICATIONS OF REQUIREMENTS.
- WHERE MEMBER LOCATIONS ARE NOT SPECIFICALLY DIMENSIONED, MEMBERS ARE EQUALLY SPACED BETWEEN LOCATED MEMBERS.
- THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION SAFETY.

CAST-IN-PLACE CONCRETE NOTES

- ALL CONCRETE WORK, CONSTRUCTION AND REINFORCING DETAILS SHALL CONFORM TO THE 2018 INTERNATIONAL BUILDING CODE WITH GEORGIA STATE SUPPLEMENTS AND "THE SPECIFICATIONS OF THE AMERICAN CONCRETE INSTITUTE BUILDING CODE REQUIREMENTS" (ACI-318).
- ALL CONCRETE SHALL ATTAIN A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS AND CONFORM TO THE REQUIREMENTS OF THE SCHEDULE BELOW, UNLESS NOTED OTHERWISE. SEE SPECIFICATIONS FOR MIX DESIGN REQUIREMENTS.

LOCATION	w/ C RATIO	SLUMP (±1")	% AIR (±1%)	MAXIMUM AGGREGATE	MIN. STRENGTH @ 28 DAYS
RETAINING WALLS	.45	3.5"	5.5	1 1/2"	4,000 PSI
SITE CONCRETE	SEE CIVIL DRAWINGS				

- CONTRACTOR SHALL SUBMIT MIX DESIGNS PROPORTIONED BY A LICENSED TESTING LABORATORY.
- OWNER TO PROVIDE ALL CONCRETE TESTING. MINIMUM OF FOUR (4) CYLINDERS PER EACH FIFTY (50) YARDS OR FRACTION THEREOF POURED IN ONE DAY. BREAK ONE AT 7 DAYS AND TWO AT 28 DAYS.

REINFORCING STEEL

- ALL REINFORCING STEEL SHALL BE DETAILED, FABRICATED AND PLACED IN ACCORDANCE WITH "ACI MANUAL OF STANDARD PRACTICE FOR DETAILING CONCRETE STRUCTURES" (ACI-315).
- REINFORCING STEEL SHALL CONFORM TO ASTM A-615 GRADE 60. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A-185.
- LAP SPLICES AND EMBEDMENT LENGTHS SHALL CONFORM TO ACI 318.
- PROVIDE CORNER BARS TO MATCH HORIZONTAL REINFORCING WHERE FOOTINGS, WALLS OR BEAMS MEET AT CORNERS OR INTERSECT. THIS ALSO INCLUDES INTERSECTIONS OF CONCRETE WITH MASONRY WORK.
- PROVIDE SHOP DRAWINGS FOR REINFORCING INCLUDING ALL NECESSARY ACCESSORIES TO HOLD REINFORCING SECURELY IN PLACE.
- CLEAR COVER CONCRETE PROTECTION FOR REINFORCING STEEL SHALL BE:
 - 3" - CONCRETE CAST AGAINST EARTH.
 - 2" - FORMED SURFACES IN CONTACT WITH SOIL OR EXPOSED TO WEATHER.
- CLASS "B" TENSION SPLICE: #5 BAR = 1'-8"

FOUNDATIONS

- FILL FORMS AND REINFORCING STEEL IN PLACE SHALL BE APPROVED BY THE OWNER'S REPRESENTATIVE BEFORE ANY CONCRETE IS PLACED.
- NO FOUNDATION SHALL BE PLACED IN WATER OR ON FROZEN GROUND.
- CENTERLINE OF FOOTINGS, WALLS, GRADE BEAMS, COLUMNS, AND BEAMS SHALL COINCIDE, UNLESS OTHERWISE NOTED.
- ALL EXTERIOR CONCRETE USED ABOVE GRADE SHALL HAVE AN AIR ENTRAINING AGENT.
- RUB ALL SIGHT EXPOSED CONCRETE AFTER FORMS HAVE BEEN REMOVED.
- ALL EXPOSED CORNERS SHALL BE CHAMFERED 3/4".
- PROVIDE VERTICAL CONTROL JOINTS EVERY 20 FEET MAX. PROVIDE VERTICAL CONSTRUCTION JOINTS EVERY 100 FEET MAX.
- FILL COMPACTION: 95% DRY DENSITY STANDARD PROCTOR
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS ON THE JOB BEFORE COMMENCING WORK. EPOXY ANCHORS SHALL BE HIT HY-200 INJECTION ADHESIVE ANCHORS AS MANUFACTURED BY HILTI, INC., TULSA OK (800-879-8000).

DESIGN CRITERIA NOTES

1. GENERAL BUILDING CODE

THE CONSTRUCTION DOCUMENTS ARE BASED ON THE REQUIREMENTS OF THE 2018 INTERNATIONAL BUILDING CODE WITH GEORGIA STATE AMENDMENTS.

2. DEAD AND LIVE LOADS

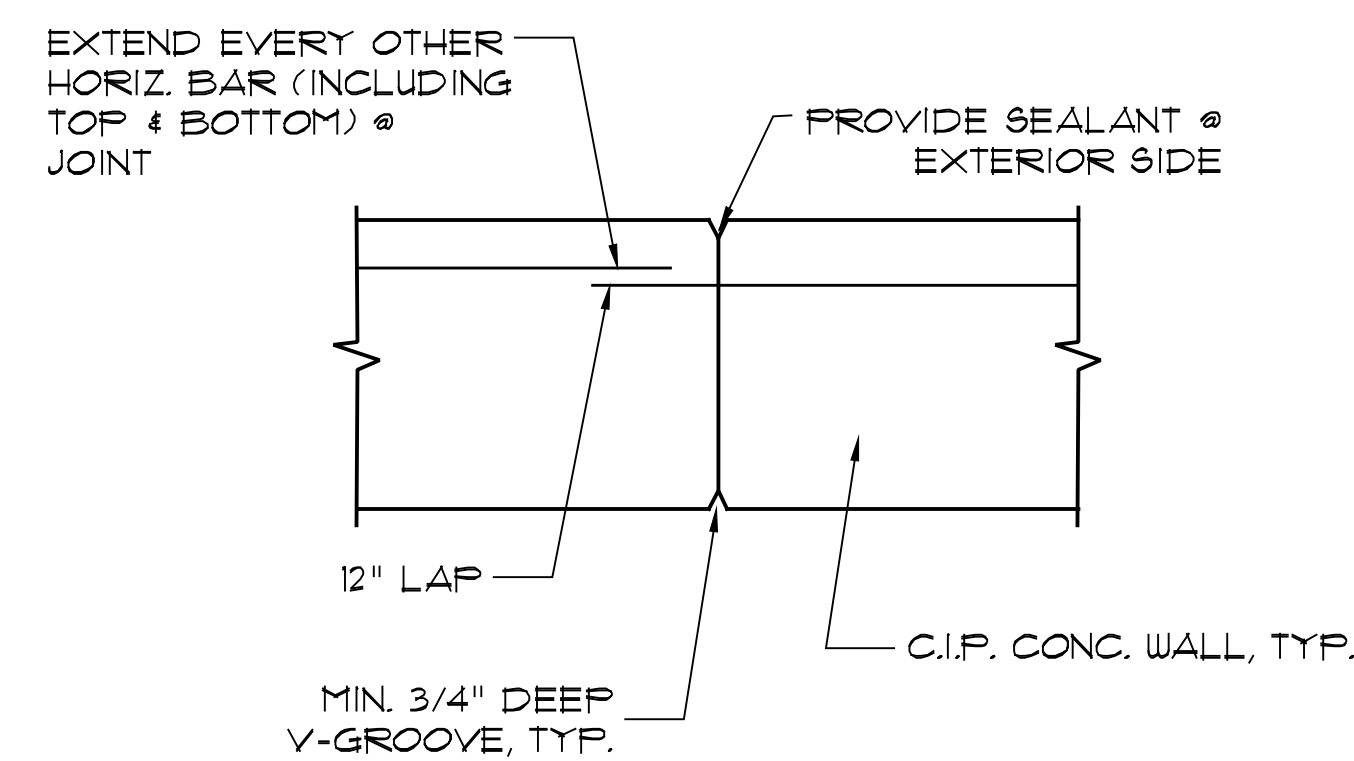
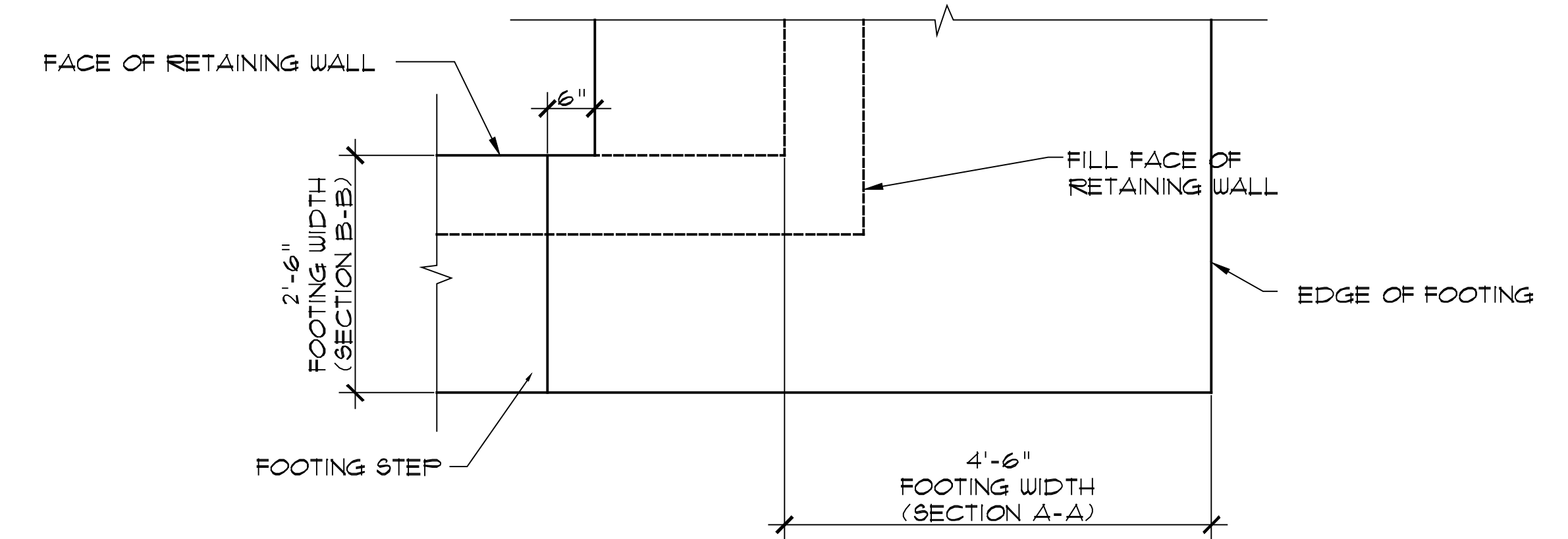
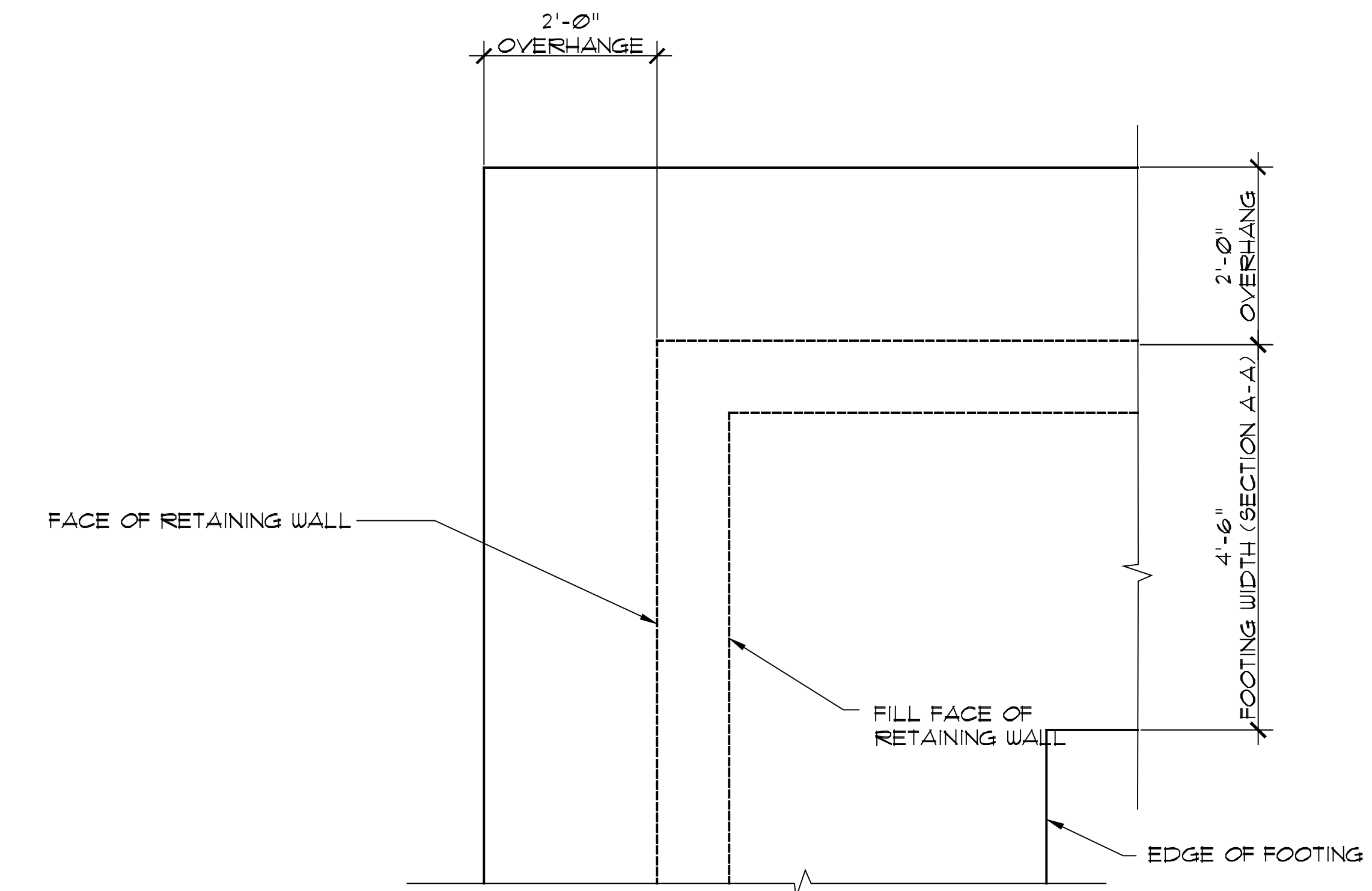
- THE DEAD LOADS ARE THE SELF WEIGHT OF MATERIALS OF CONSTRUCTION.
- THE UNIFORMLY DISTRIBUTED AND/OR CONCENTRATED LIVE LOADS USED IN THE DESIGN OF THE BUILDING ARE BASED ON THE FOLLOWING INTENDED USE OR OCCUPANCIES:
 - PEDESTRIAN BRIDGES: 100 PSF

3. GEOTECHNICAL INFORMATION

THE STRUCTURE HAS BEEN DESIGNED BASED ON AN ASSUMED BEARING CAPACITY. THE SOIL BEARING CAPACITY AND CONSISTENCY SHALL BE VERIFIED FOR THE FOUNDATION LIMITS BY ATLAS TECHNICAL CONSULTANTS, LLC.

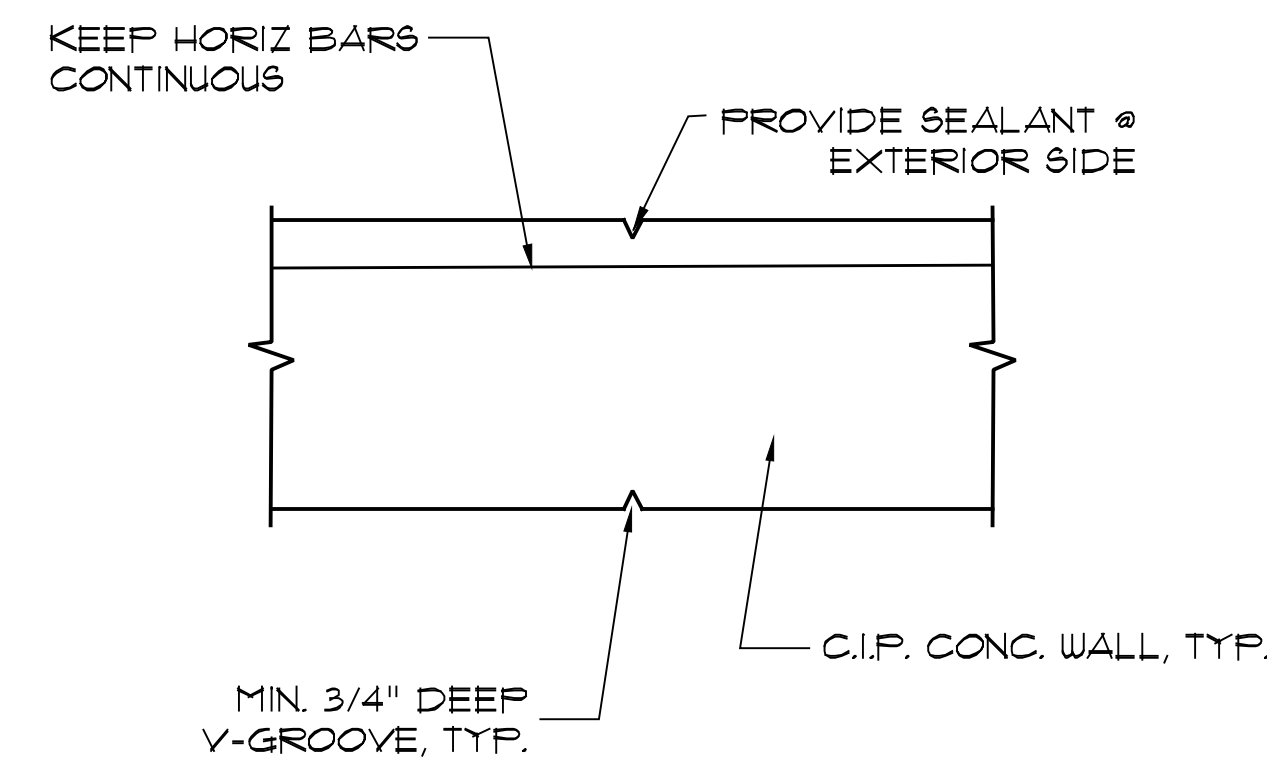
ASSUMED SOIL PROPERTIES

- ALLOWABLE BEARING CAPACITY: 1,500 PSF
- SOIL DENSITY: 120 PCF
- ACTIVE EQUIVALENT FLUID PRESSURE: 45 PSF
- PASSIVE EQUIVALENT FLUID PRESSURE: ASSUMED 0 PSF
- AT REST EQUIVALENT FLUID PRESSURE: 65 PSF



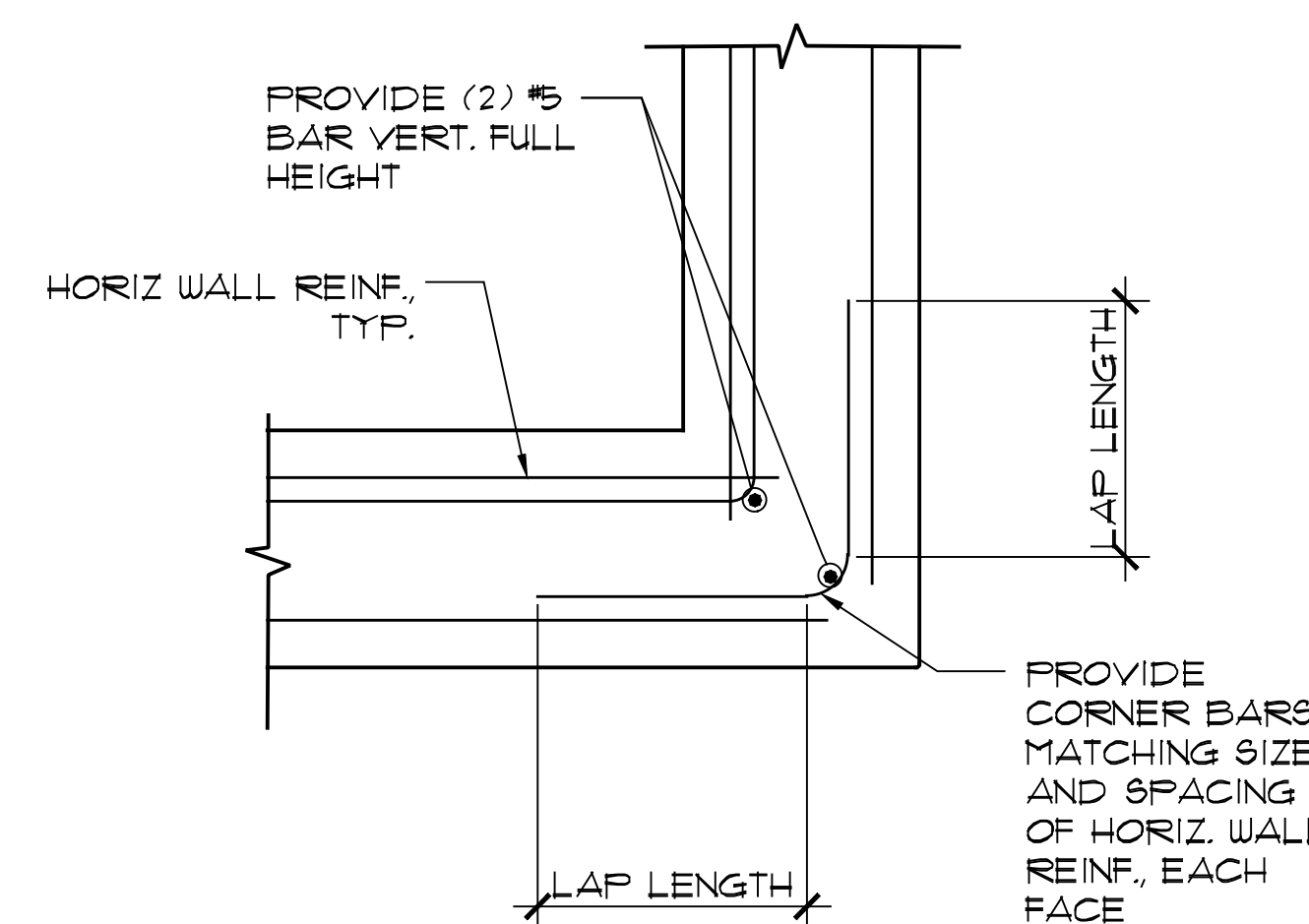
- NOTES:**
- C.I.P. WATER STOP NOT REQUIRED @ CONSTRUCTION JOINTS
 - VERTICAL BARS NOT SHOWN FOR CLARITY

1 VERT. CONST. JOINT DETAIL NTS

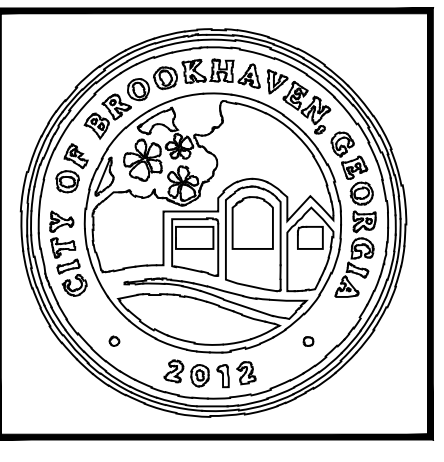


- NOTES:**
- JOINT SPACING: 20' MAX. NO MORE THAN 10' FROM CORNER.
 - VERTICAL BARS NOT SHOWN FOR CLARITY.

2 VERT. CONTROL JOINT DETAIL NTS



3 CONC. WALL CORNER DETAIL NTS



DRAWINGS SCHEDULE

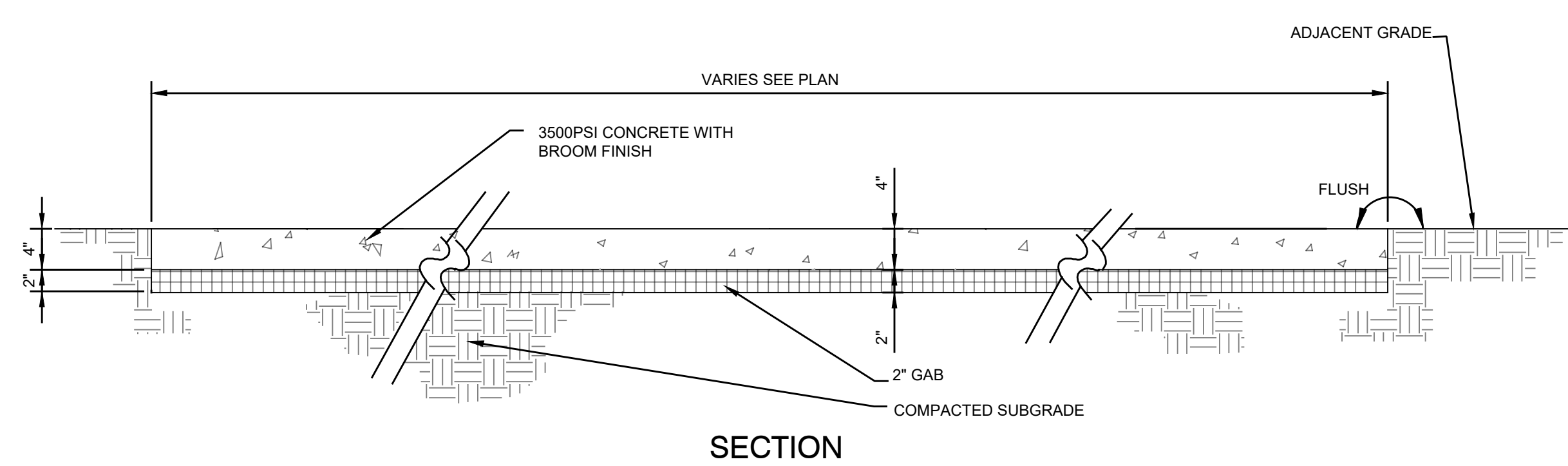
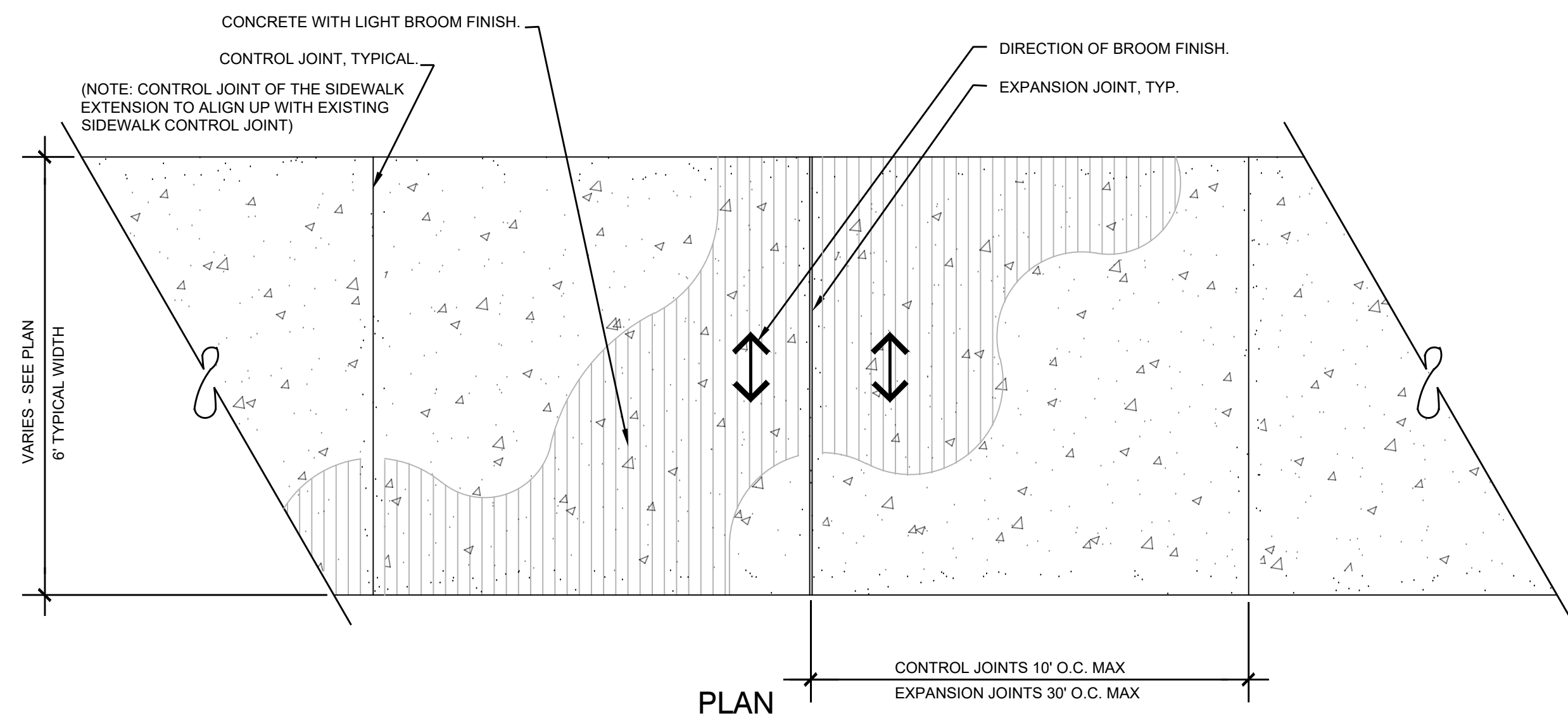
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31	04/29	Multi-use Trail on Dam - Pedestrian Review
32	05/05	LDP - Community Design - City Comment #1
33	05/26	LDP - Community Design - City Comment #2
34	06/15	GIS/CAD Reformatting - Solar And Trees
35	07/26	LDP - HOA PARALLEL - CITY COMMENT #1
36	10/19	LDP - Resurface - City Comment #1
37	11/04	Multi-use Trail on Dam - EDR Review Set
38	01/07	Multi-use Trail on Dam - EDR Review Set
39	02/04	Multi-use Trail on Dam - CITY LDP COMMENT #1

CITY OF BROOKHAVEN
MURPHEY CANDLER PARK
 1551 W. NANCY CREEK DRIVE NE
 BROOKHAVEN, GEORGIA 30319

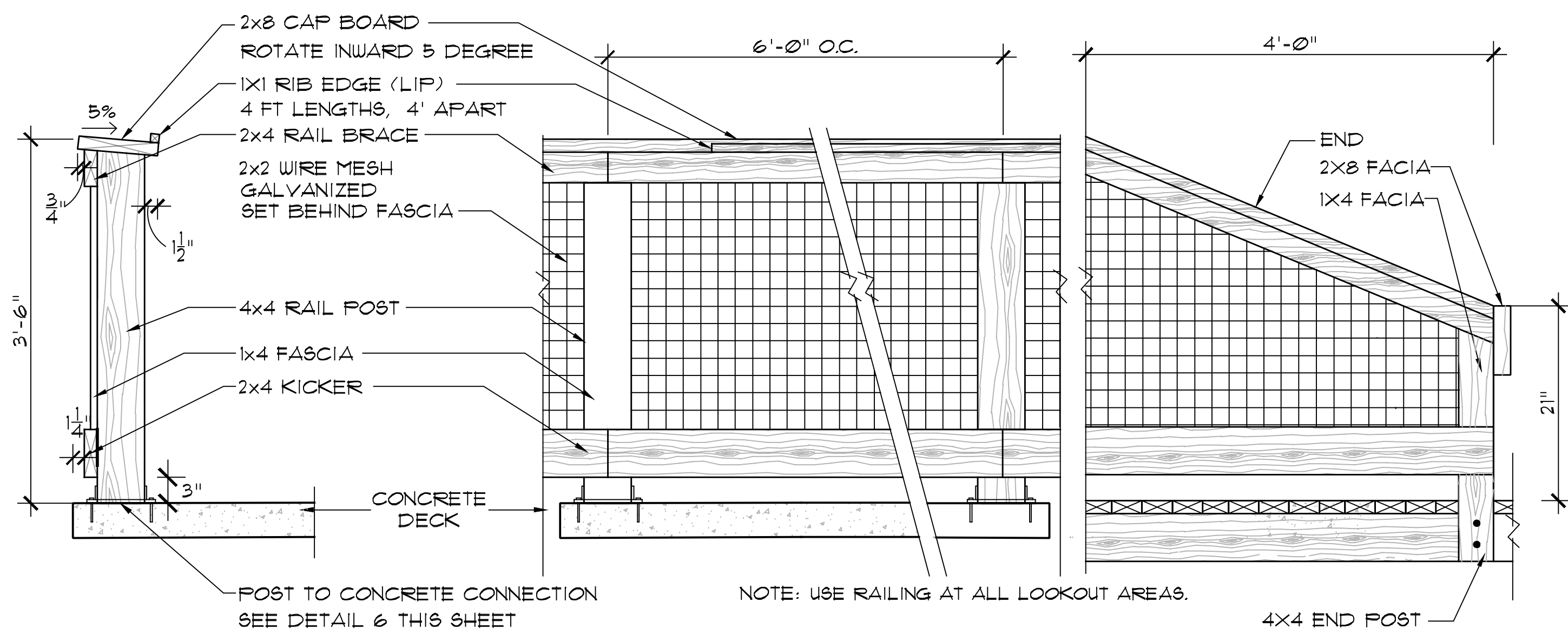
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03/03/21	GZ	MC
SCALE		
SHEET TITLE		
MULTI-USE TRAIL ON DAM		
STRUCTURAL GENERAL NOTES AND DETAILS		

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C8.4B	
DRAWING NUMBER	20

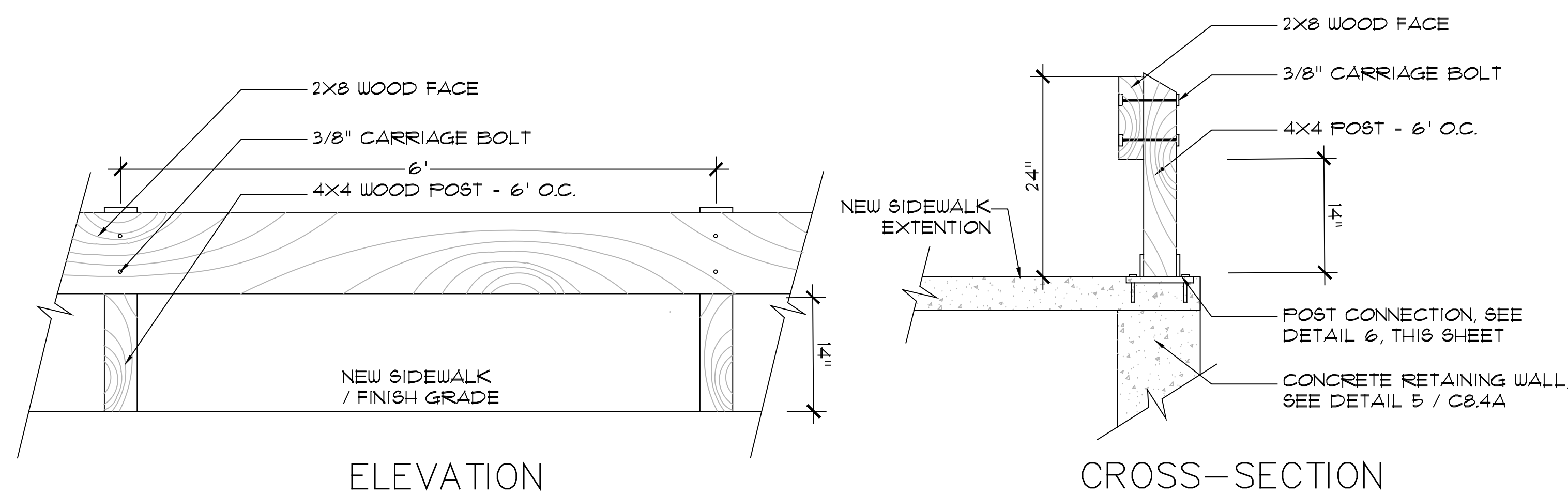
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 Date last plotted: 2/4/2022 2:19 PM
 Plotted By: Grace Zhang



1 CONCRETE SIDEWALK
1-1/2" = 1'-0"

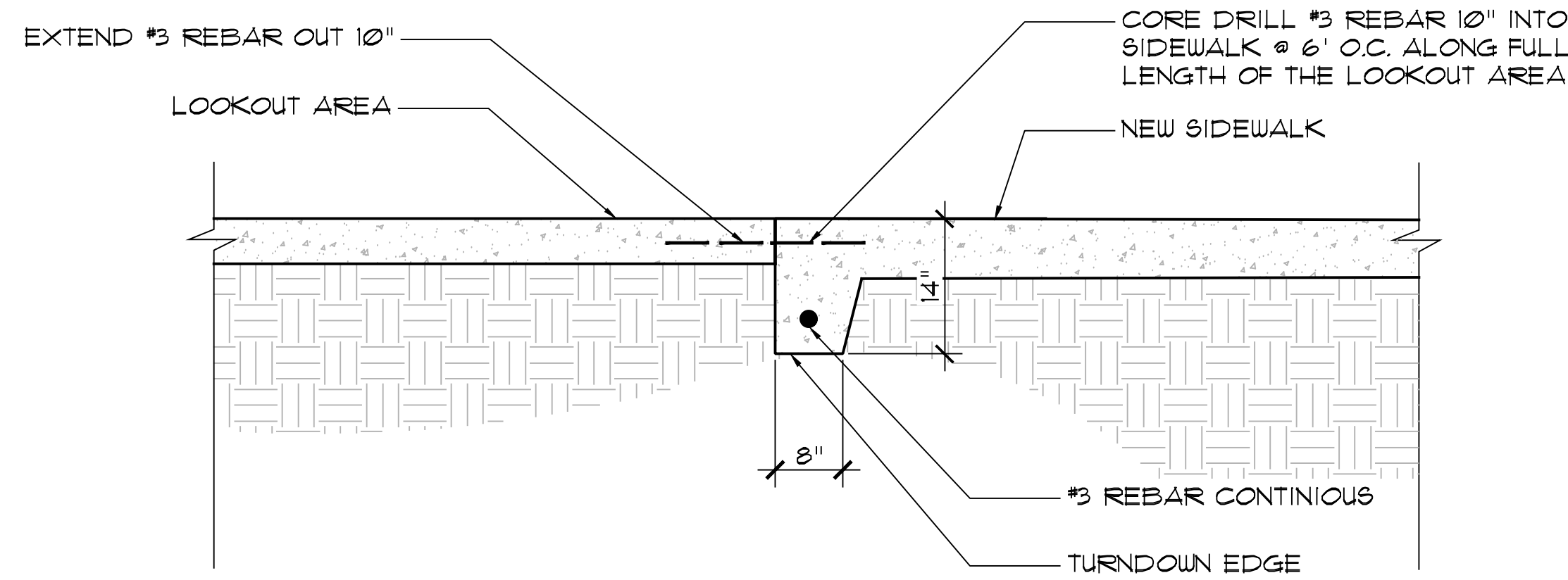


4 RAILING TYPE 1 - WOODEN DECK RAILING
1" = 1'-0"

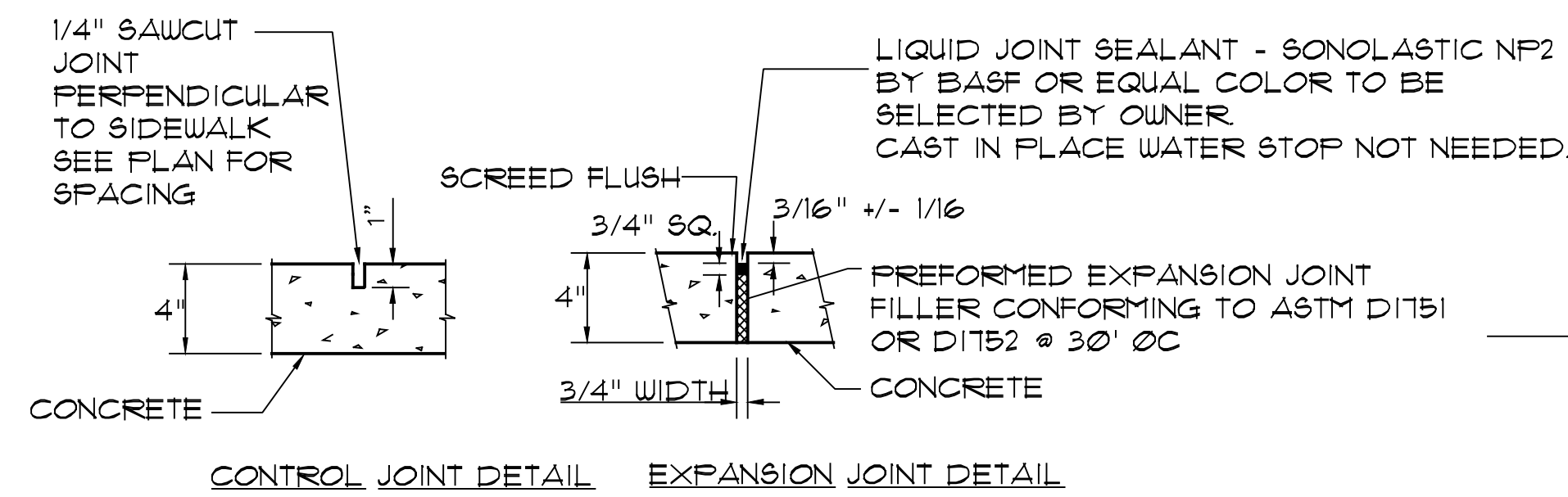


5A RAILING TYPE 2A - SIDEWALK RAILING
1" = 1'-0"

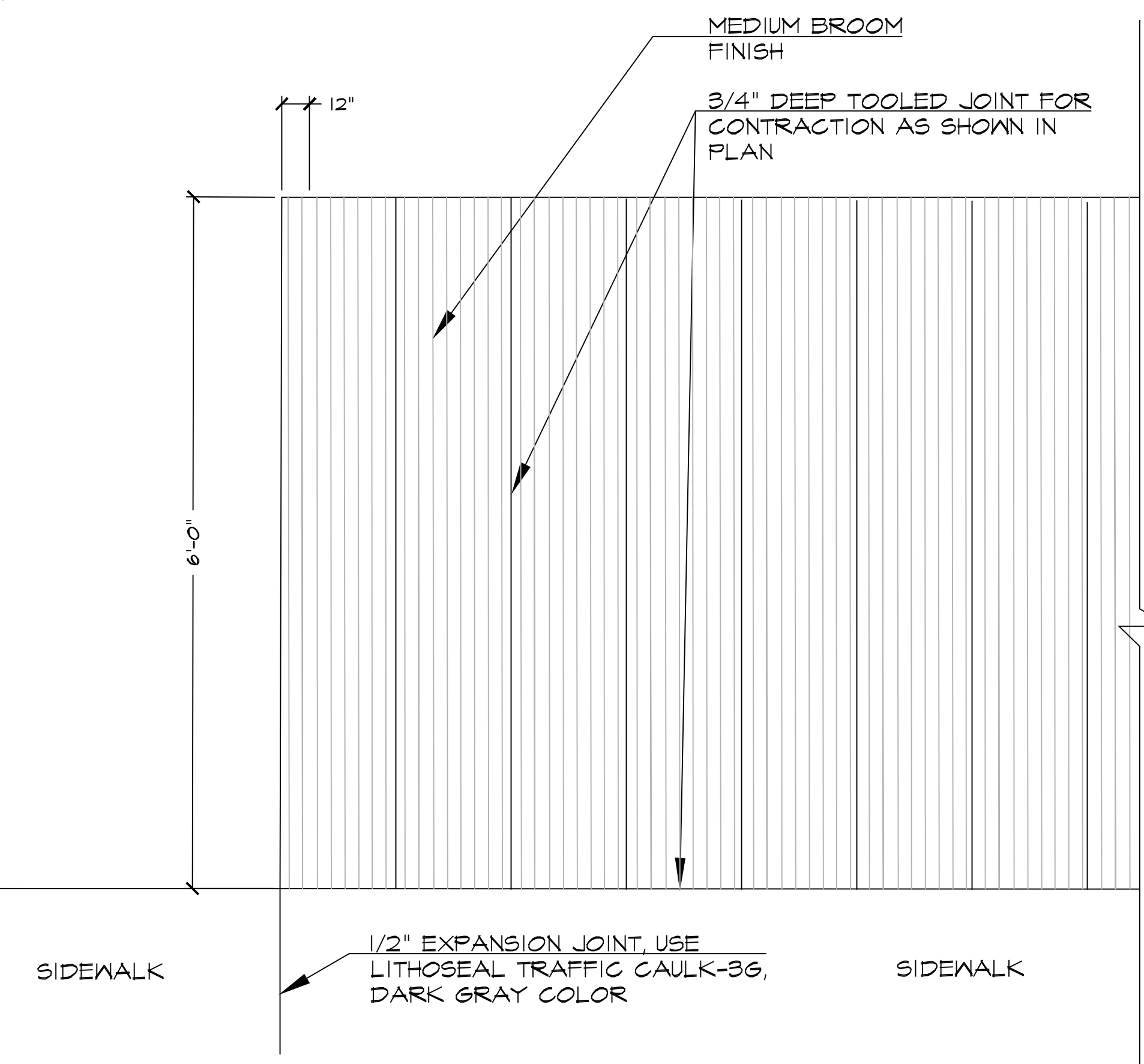
WOOD NOTE:
ALL WOOD MATERIAL WILL BE PRESSURE TREATED WOOD.



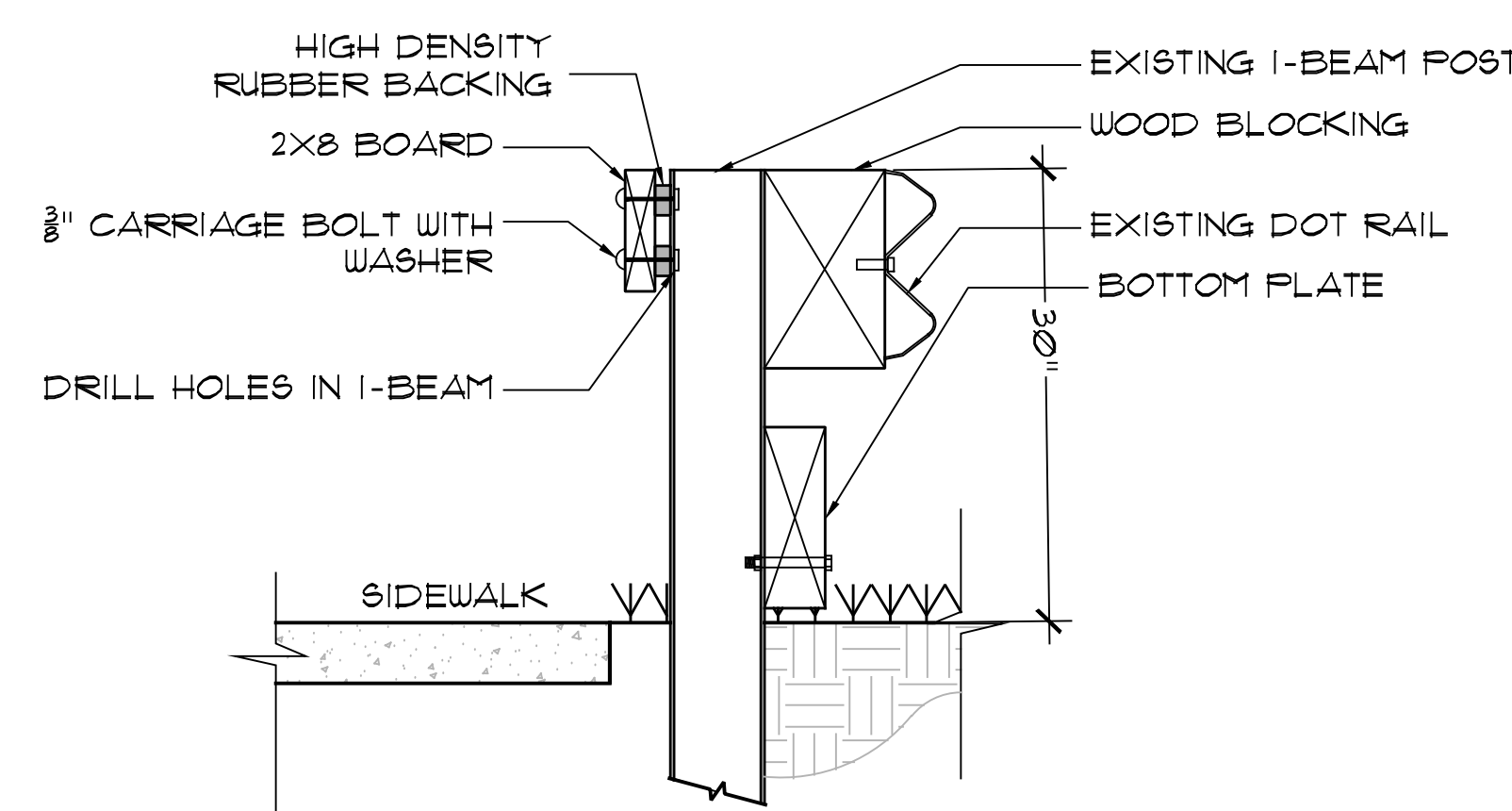
1B BUTT JOINT AND TURNDOWN EDGE
NTS



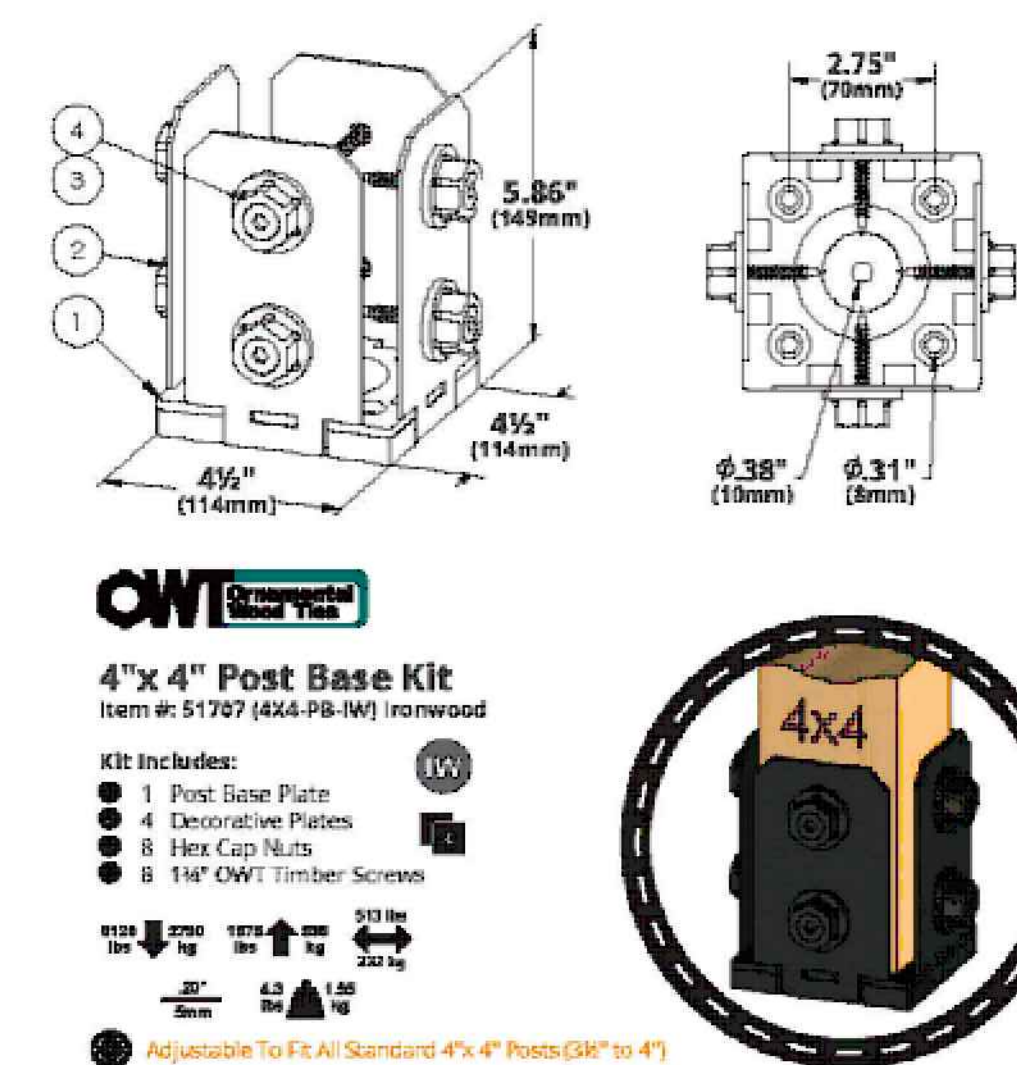
2 TYPICAL CONCRETE JOINT DETAILS
NTS



3 LOOKOUT AREA SCORING PATTERN
NTS



5B RAILING TYPE 2B - SIDEWALK RAILING ALONG GUARDRAIL
1" = 1'-0"



6 RAILING POST CONNECTION DETAIL
NTS

VICTOR STANLEY
Create a timeless moment.*

P.O. BOX 330 - DUNKIRK, MD 20754 USA
TOLL FREE: (800) 368-2973 (USA & CANADA)
TEL: (201) 855-8300 - FAX: (410) 297-7579
WEB SITE: HTTP://WWW.VICTORSTANLEY.COM

* ALL DIMENSIONS ARE IN INCHES *

15-1/2"
17"
16"
SEAT HEIGHT
2" x 4" (TYPICAL) SLATS
CLEARANCE FOR 1/2" ANCHOR BOLTS
47-1/2"
36-1/2" CENTER-TO-CENTER
3/8" x 3" CENTER BRACE FOR ADDITIONAL SUPPORT
2-3/8" O.D. TUBULAR STEEL

AVAILABLE OPTIONS:
POWDER COATING
10 STANDARD COLORS, 2 OPTIONAL METALLIC COLORS,
CUSTOM COLORS (INCLUDING THE BAL RANGE)
SLAT TYPES
1PK WOOD (AS SHOWN) OR 2PK SITE SYSTEMS REINFORCED RECYCLED PLASTIC SLATS
2PK SITE SYSTEMS COLORS: GRAY, MAPLE, OBEYH, AND WALNUT (NOT AVAILABLE IN 8' LENGTH)

NOTES:
1. DIMENSIONS NOT TO SCALE. DO NOT SCALE DRAWINGS.
2. ALL FABRICATED METAL COMPONENTS ARE STEEL (HOT-DIP GALVANIZED, ETCHED, PHOSPHATIZED, PREHEATED, AND ELECTROSTATICALLY POWDER-COATED WITH T.P.U.C. POLYESTER POWDER COATING). PRODUCTS ARE FULLY CLEANED AND PREHEATED, PREHEATED AND COATED WHILE HOT TO FULL CAPACITY AND BUILT WITH CONTINUAL FILL. COATED PARTS ARE FULLY CURED TO OBTAIN MANUFACTURER'S SPECIFICATIONS. THE THICKNESS OF THE RESULTING FINISH AVERAGES 8-10 MILS (200-250 MICRONS).
3. IT IS NOT RECOMMENDED TO LOCATE ANCHOR BOLTS UNTIL BENCH IS IN PLACE. THIS VICTOR STANLEY, INC. PRODUCT MUST BE PERMANENTLY ATTACHED TO THE GROUND. CONSULT YOUR LOCAL CODES FOR REGULATIONS.
4. ANCHOR BOLTS NOT PROVIDED BY VICTOR STANLEY, INC.
5. FOR HIGH SALT ABUSIVE CLIMATES, HOT-DIP GALVANIZING BEFORE POWDER COATING IS AVAILABLE. HOT-DIP GALVANIZING IS PERFORMED FOR VICTOR STANLEY, INC. BY AN EXPERIENCED QUALIFIED FIRM TO WHICH PRODUCTS ARE SHIPPED FOR GALVANIZING. HOT-DIP GALVANIZING INCLUDES AN AGGRESSIVE PRE-TREATMENT AND IMMERSION IN A TANK OF CHANGED LIQUID. 100% FT. OR MORE BODY (400°C). THE RESULTING SURFACE IS RESISTANT TO RUST BUT HAS SOME IRREGULARITIES RESULTING FROM THE PROCESS OF THE ZINC TO THE STEEL SURFACE. AS A RESULT, THE POWDER-COATING SURFACE FINISH OVER THAT GALVANIZED SURFACE MAY EXHIBIT BUMPS, UNEVENNESS, AND MAY NOT BE AS SMOOTH AS THE STANDARD FINISH; THIS UNEVEN AND INCONSISTENT FINISH IS NORMAL FOR GALVANIZING. CONTACT MANUFACTURER FOR DETAILS.
6. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE. CONTACT MANUFACTURER FOR DETAILS.
7. THIS PRODUCT IS SHIPPED PARTIALLY UNASSEMBLED.

MODEL 4
HOMESTEAD
BACKLESS BENCH
SHOWN: STANDARD 4 FOOT LENGTH
STANDARD SURFACE MOUNT

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REV. 3/15/17 DRAW V.F.T. 2017-591

INSTALL PER MANUFACTURER RECOMMENDATIONS
VICTOR STANLEY MODEL 4, WOOD SURFACE MOUNT (OR APPROVED EQUAL).

7 BENCH
NTS

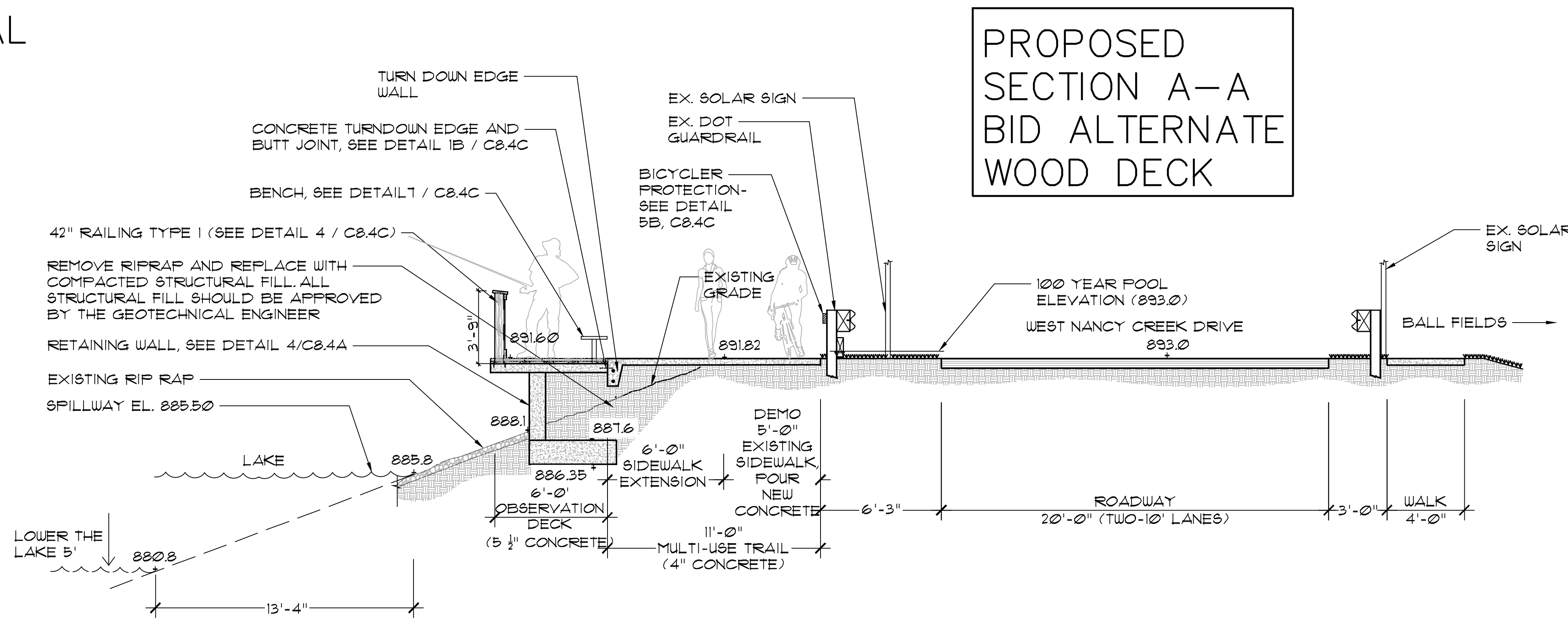
DRAWINGS SCHEDULE

No.	Date	Description
31	04/29	Multi-Use Trail on Dam - Preboard Review
32	05/05	LDP - Community Draw - City Council #1
33	05/28	LDP - Community Draw - City Council #2
34	06/15	Final Preboard Review - Final Board Review
35	07/26	LDP - PROS. PLANING - CITY COUNCIL #3
36	10/19	LDP - November - City Council #4
37	11/04	Multi-Use Trail on Dam - EOP Review Set
38	01/07	Multi-Use Trail on Dam - EOP Review Set
39	02/04	Multi-Use Trail on Dam - CITY LDP COMMISSION #1

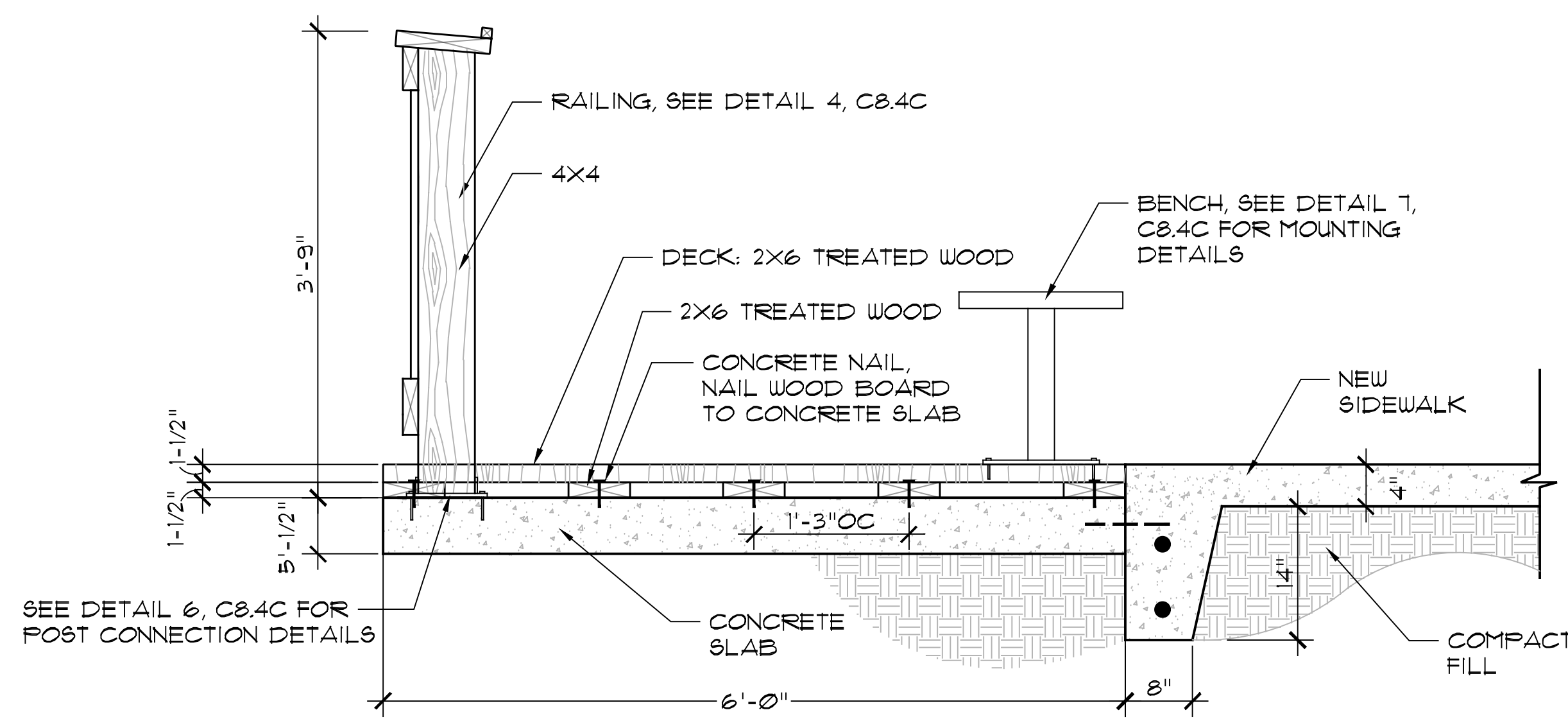
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03/03/21	GZ	MC
SCALE	SHEET TITLE	
	SITE DETAILS #2 MULTI-USE TRAIL ON DAM	

PROJECT NUMBER	15092.00
C8.4C	
21	
DRAWING NUMBER	

FINAL

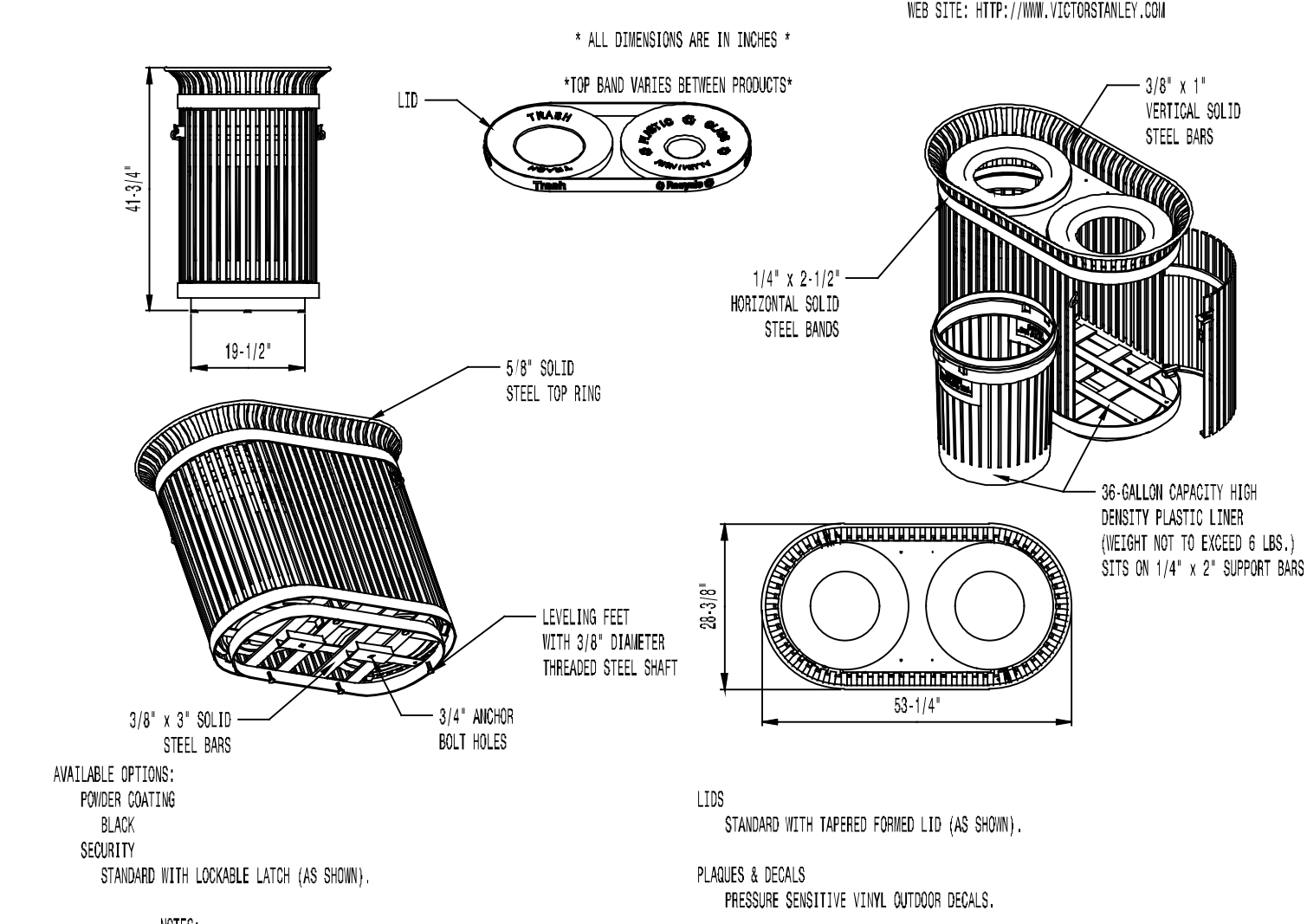


1 MURPHY CANDLER DAM – PROPOSED BOARDWALK SECTION A-A
1/4"=1'-0"



2 BID ALTERNATE – WOOD DECK CROSS SECTION
1"=1'-0"

VICTOR STANLEY, INC.
Manufacturers of Quality Site Furnishings since 1962



- NOTES:
- DRAWING NOT TO SCALE. DO NOT SCALE DIMENSIONS.
 - ALL FABRICATED METAL COMPONENTS ARE STEEL, GALVANNEAL, ETCHED, PHOSPHATIZED, PREPAINTED, AND ELECTROSTATICALLY POWDER COATED WITH 1.0 MIL POLYESTER POWDER COATING. PRODUCTS ARE FULLY GALVANNEAL AND PHOSPHATIZED AND COATED WITH HOT DIP GALVANNEAL AND SOLID FILM COATING. COATED PARTS ARE THEN FULLY CORDED TO COATING MANUFACTURER'S SPECIFICATIONS. THE THICKNESS OF THE RESULTING FINISH MEETS 5 TO 10 MILS (50 TO 100 MICRONS).
 - SOIL IMPREGNATED BRIMBLE BRUSHING AND STAINLESS STEEL FINISH FOR RUST RESISTANT, STANDARD 3/16" SOLID STEEL LATER ASSEMBLY OR OPTIONAL. FINISHES STAINLESS STEEL BRIMBLE BRUSHING.
 - THESE VICTOR STANLEY, INC. PRODUCTS MAY BE PERMANENTLY AFFIXED TO THE GROUND. CONSULT YOUR LOCAL CODES FOR REGULATIONS.
 - VICTOR STANLEY, INC., PLASTIC OVER LAMINATE IS BLENDED FOR TOLLING RESISTANCE FOR AND OWNED BY VICTOR STANLEY, INC. THEY OFFER MAXIMUM CAPACITY AND STRENGTH WITH LIGHTWEIGHT CONSTRUCTION USING BUTYRAL, WOODS, FIBER, TANGULAR, MICROBALLS, AND HIGH-STRENGTH MATERIALS. THIS MONOLITHIC MANUFACTURING SUPPORTS EASY EMPTYING AND STRENGTH RESIST APPROX. LONG SERVICE LIFE.
 - ANCHOR BOLT NOT PROVIDED BY VICTOR STANLEY, INC.
 - FOR HIGH SOIL RESISTANCE, HOT-DIP GALVANNEAL BEFORE POWDER COATING IS AVAILABLE. HOT-DIP GALVANNEAL IS FORMED FOR VICTOR STANLEY, INC. BY AN EXPERTISE QUALIFIED FIRM TO MEET PROGRESS AND SHIPPED FOR GALVANNEALING. HOT-DIP GALVANNEALING INCLUDES AN AGGRESSIVE PRE-TREATMENT AND UNDERGOES A TANK OF CHARGED LIQUID ZINC AT OR ABOVE 800°F (427°C). THE RESULTING SURFACE IS RESISTANT TO RUST BUT HAS SOME IRREGULARITY RESULTING FROM THE BONDING OF THE ZINC TO THE STEEL SURFACE. AS A RESULT, THE POWDER-COATING SURFACE FOLLOWS THE GALVANNEAL SURFACE (AN EXISTING BUMP, IRREGULARITY, AND MAY NOT BE AS SMOOTH AS THE STANDARD FINISH). THIS IRREGULARITY UNDERGOES FROM HOT-DIP GALVANNEALING. CONTACT MANUFACTURER FOR DETAILS.
 - ALL SPECIFICATIONS ARE SUBJECT TO CHANGE. CONTACT MANUFACTURER FOR DETAILS.
 - THIS PRODUCT IS SHIPPED FULLY ASSEMBLED.

SD-242
IRON/STEEL SERIES
SEC. 200P RECYCLING STATION
3000L (2) STANDARD TYPED FORMED LID

INSTALL PER MANUFACTURER'S RECOMMENDATIONS
VICTOR STANLEY RB-36 STEEL MATERIAL, BLACK POWDER COAT FINISH (OR APPROVED EQUAL).

3 TRASH CAN
1"=1'-0"

ARCHITECTURE
ENGINEERING
PLANNING
CPLTeam.com



No.	Date	Description
31	04/29	Multi-use Trail on Dam - Preboard Review
32	05/05	LDP - Community Design - City Comment #1
33	05/28	LDP - Community Design - City Comment #2
34	06/16	Revised Manufacturing - Final Review
35	07/26	LDP - PROS. PRELIMINARY - CITY COMMENT #3
36	10/19	LDP - Revision - City Comment #4
37	11/04	Multi-use Trail on Dam - LDP Review Set
38	01/07	Multi-use Trail on Dam - LDP Review Set
39	02/04	Multi-use Trail on Dam - LDP LDP COMMENT #5



CITY OF BROOKHAVEN
MURPHEY CANDLER PARK
1551 W. NANCY CREEK DRIVE NE
BROOKHAVEN, GEORGIA 30319

DATE	DRAWN	CHECKED
03/03/21	GZ	MC
SCALE		
SHEET TITLE		
SITE DETAIL #3 ALTERNATE MULTI-USE TRAIL ON DAM		

PROJECT NUMBER	15092.00
C8.4D	
DRAWING NUMBER	22

APPROVED PLAN 03/18/2022
Permit # LDP21-00005

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