



LIMITS OF DISTURBANCE

PROPOSED INTERIM CONTOUR LINE PROPOSED INDEX CONTOUR LINE

EXISTING INTERIM CONTOUR LINE EXISTING INDEX CONTOUR LINE

PROPOSED SPOT ELEVATION

SLOPE DIRECTIONAL ARROW (1% UNLESS OTHERWISE NOTED) PROPOSED HEADWALL

PROPOSED STORMWATER LINE PROPOSED 6' HEIGHT FENCE PROPOSED 6' HEIGHT GATE

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BROOKHAVEN PARK IMPROVEMENTS SITE DEVELOPMENT PACKAGE

SUBMITTALS / REVISIONS
 NO.
 DATE
 DESCRIPTION

 1
 09.09.2022
 PERMIT REVISIONS

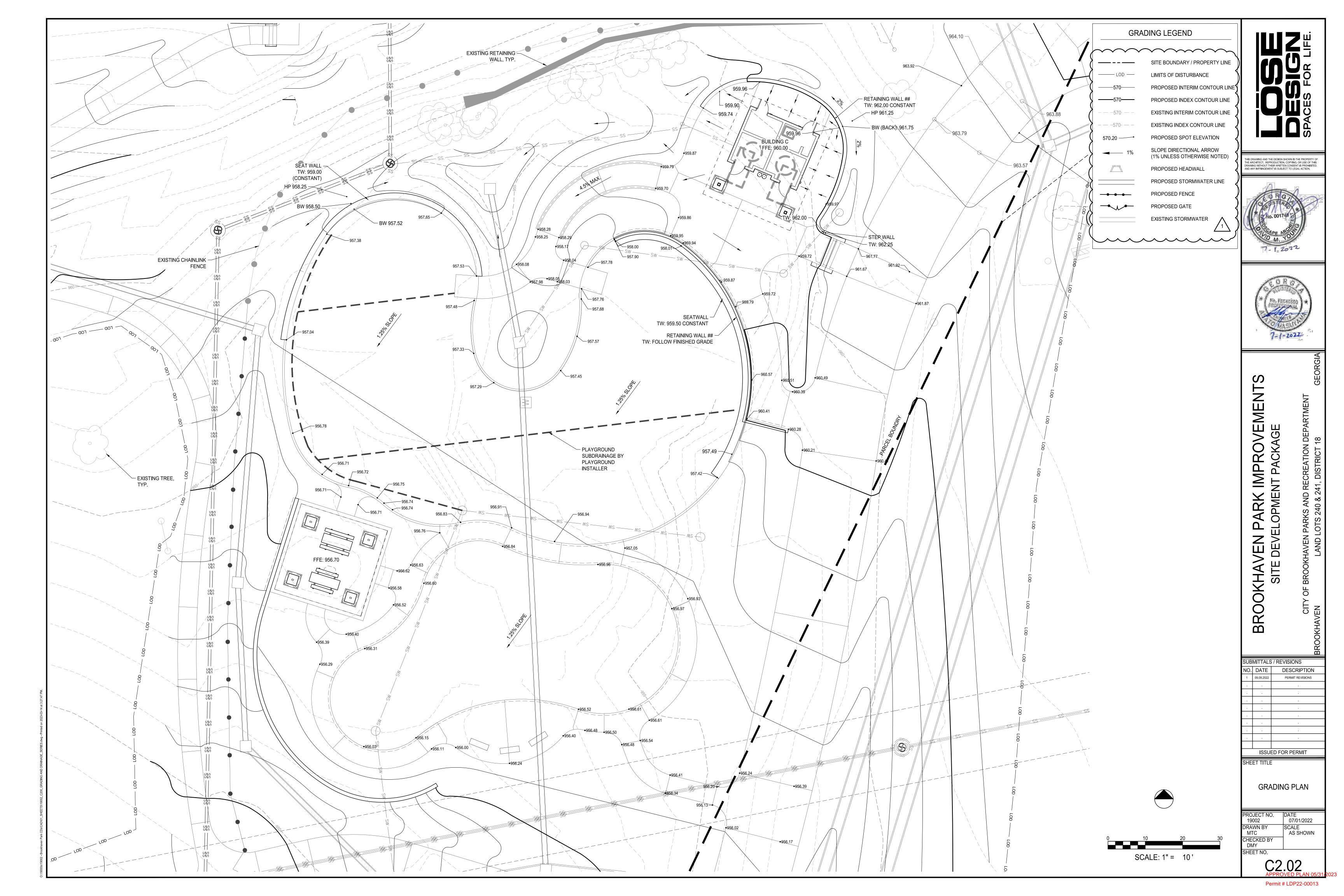
 2
 04/07/2023
 PER CITY COMMENTS 03/28/2023

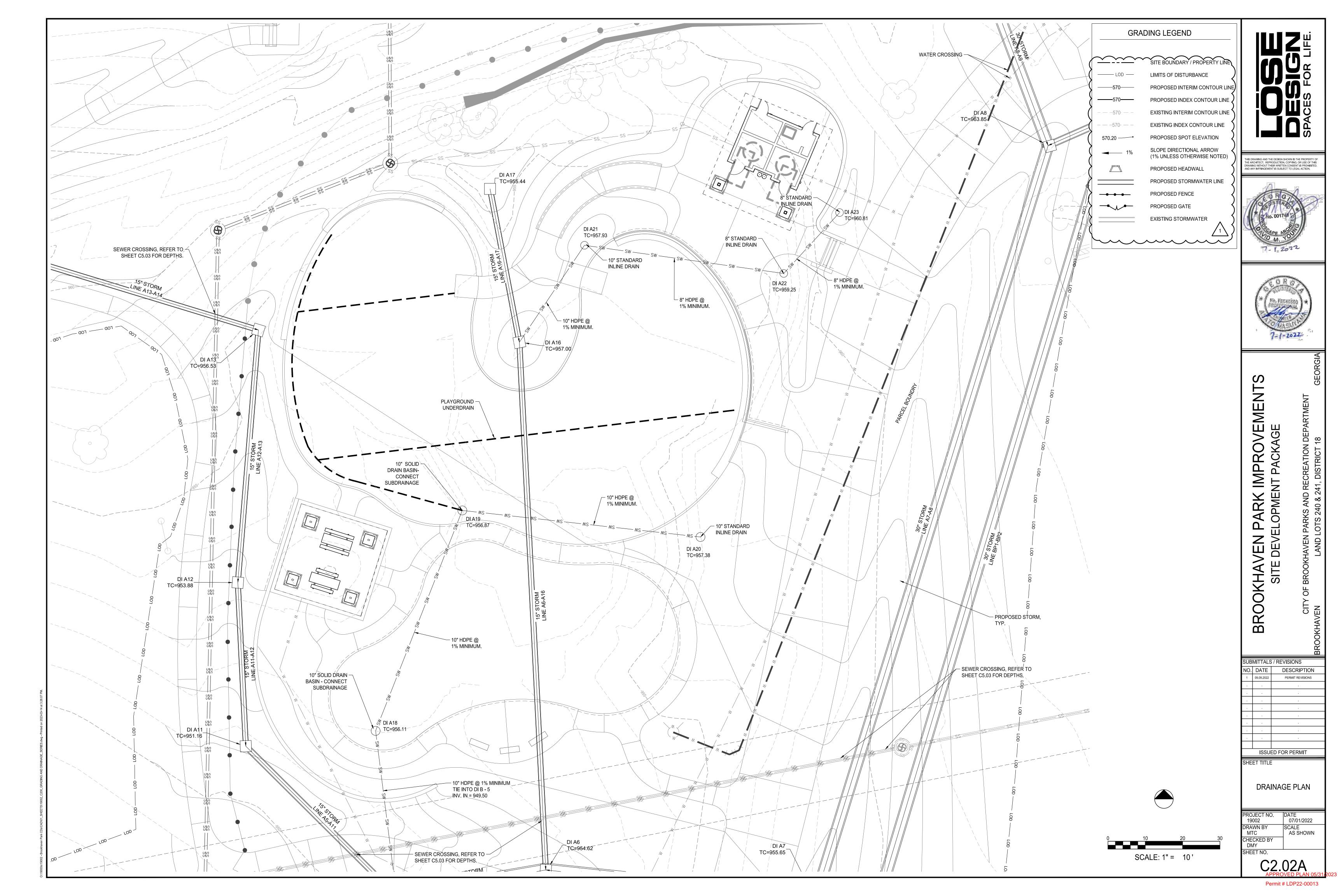
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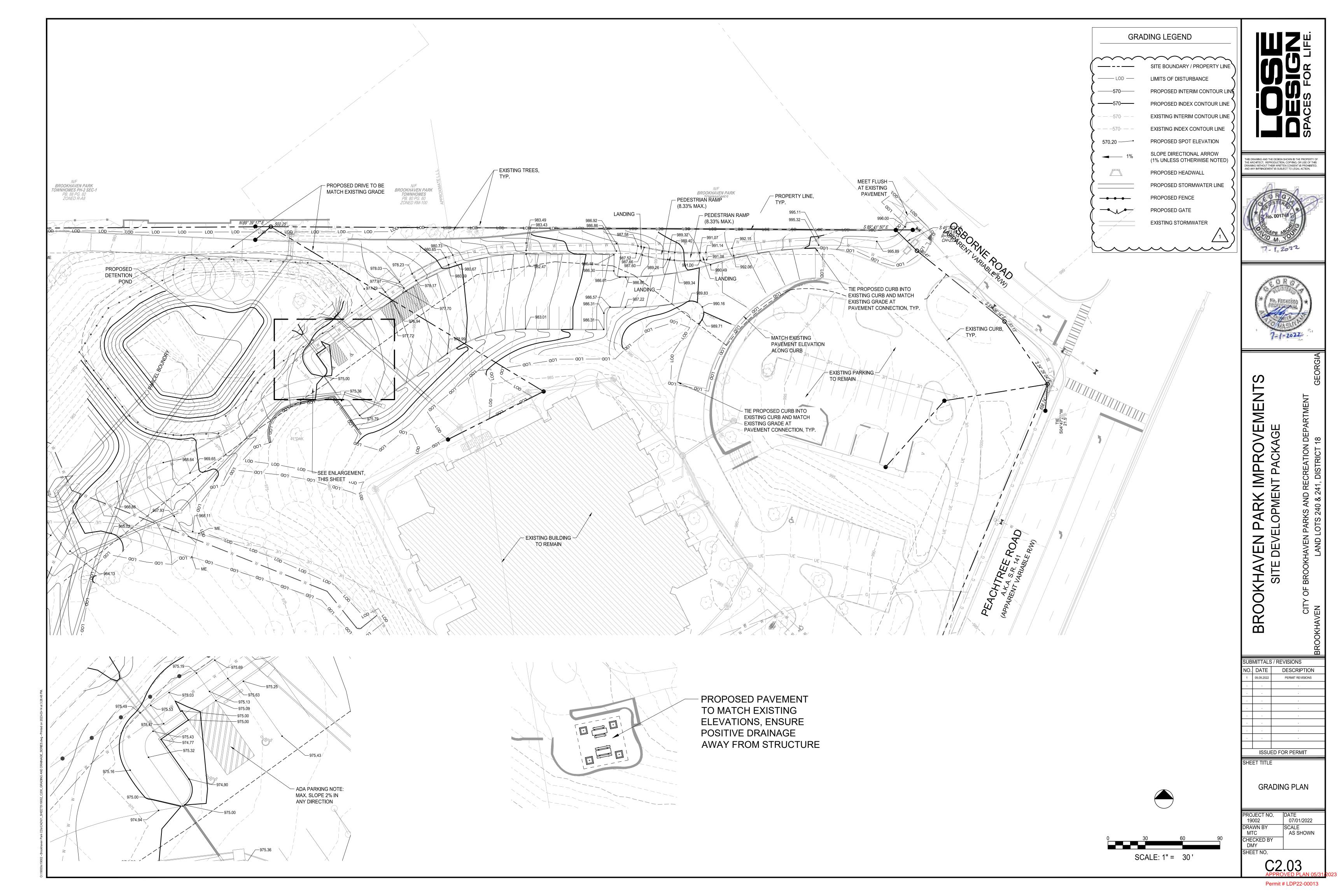
DRAINAGE PLAN

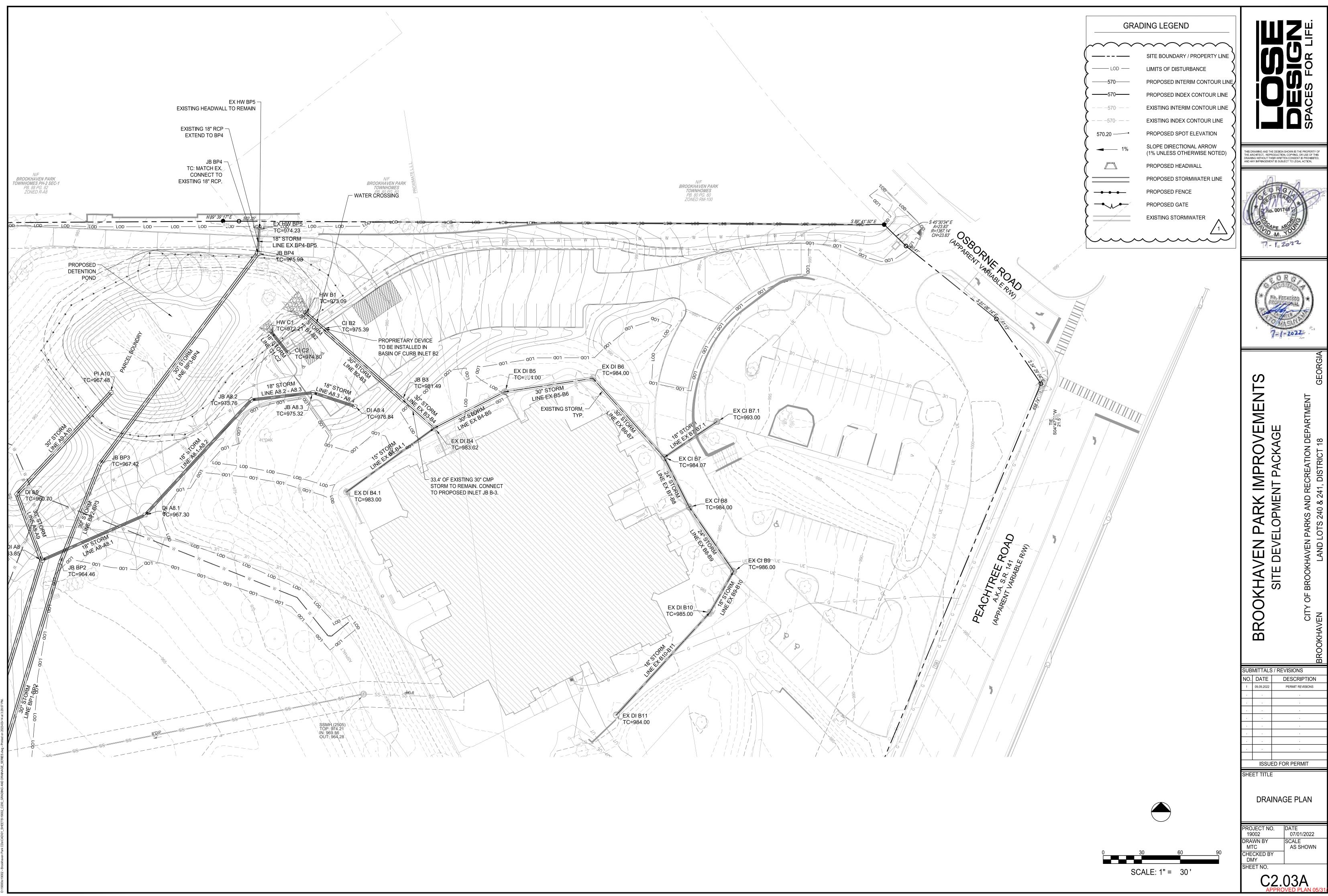
DATE 07/01/2022 PROJECT NO. 19002 DRAWN BY MTC CHECKED BY DMY SCALE AS SHOWN

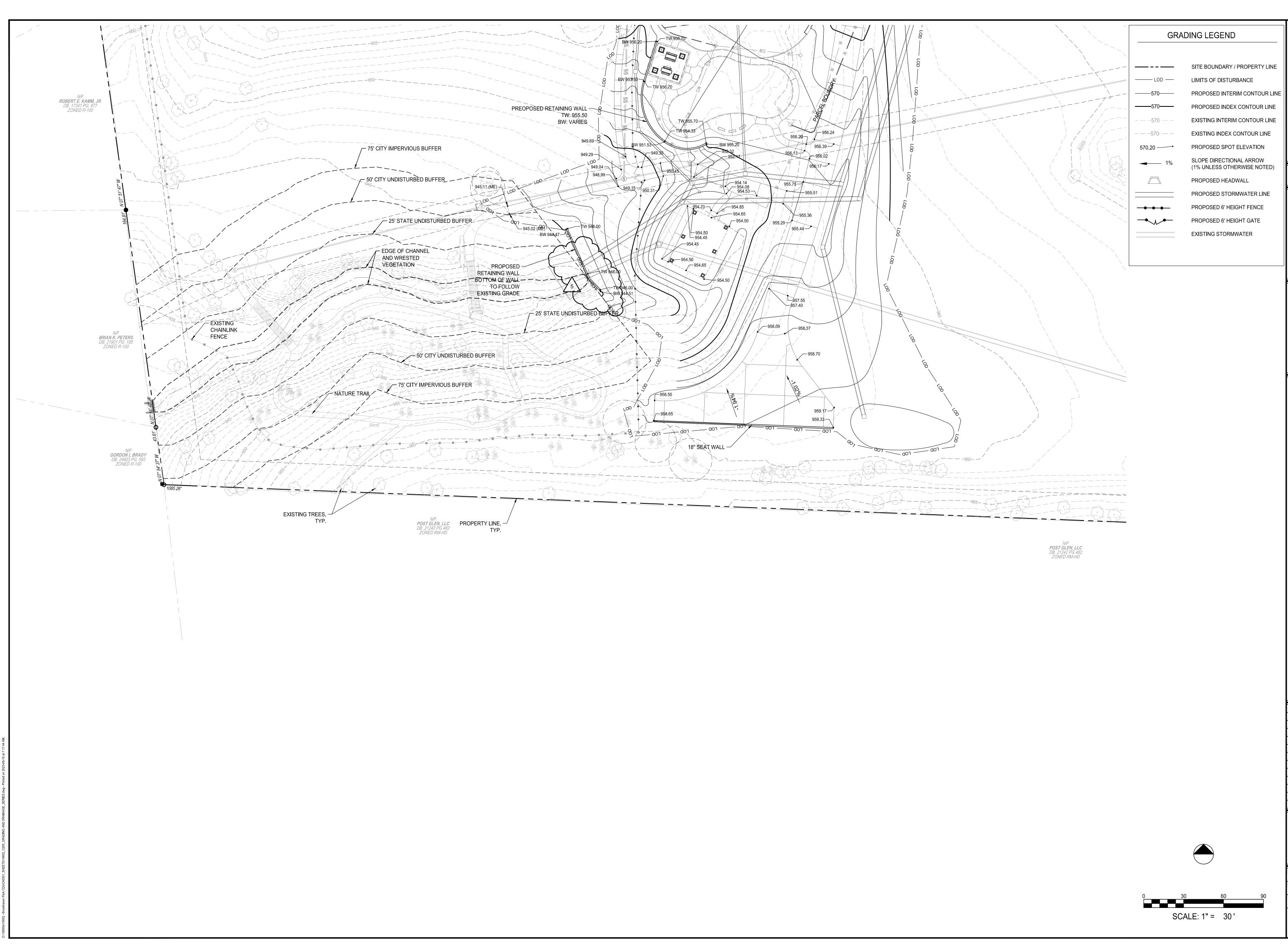
SHEET NO. C2.01A

















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BROOKHAVEN PARK IMPROVEMENTS SITE DEVELOPMENT PACKAGE

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GRADING PLAN

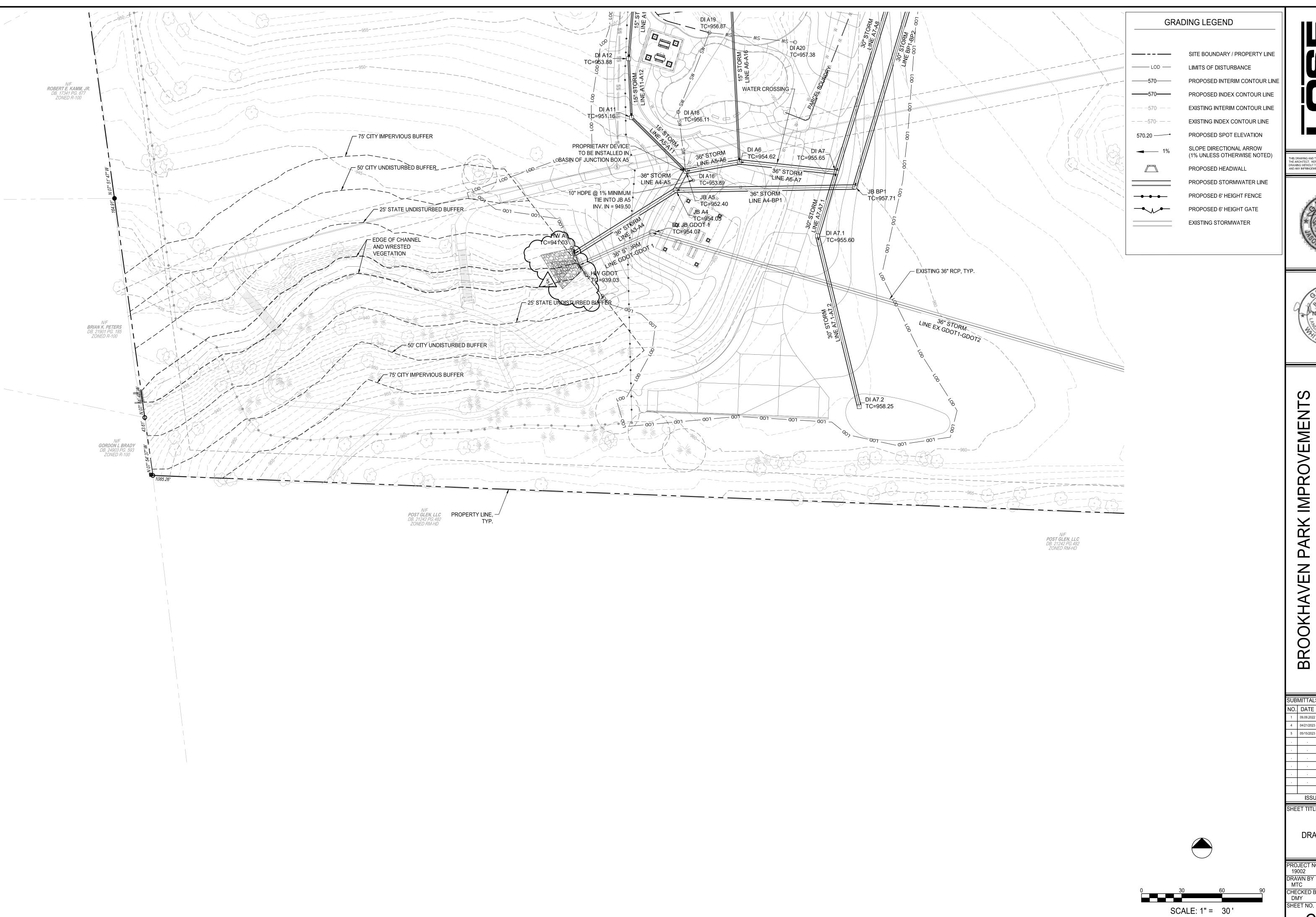
PROJECT NO. 19002 07/01/2022

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SLAPE ARCHIO

BROOKHAVEN PARK IMPROVEMENTS SITE DEVELOPMENT PACKAGE

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 SUBMITTALS / REVISIONS

 NO.
 DATE
 DESCRIPTION

 1
 09.09.2022
 PERMIT REVISIONS

 4
 04/21/2023
 PER CITY COMMENTS 04/18/2023

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 05/15/2023
 PER CITY COMMENTS 05/11/2023

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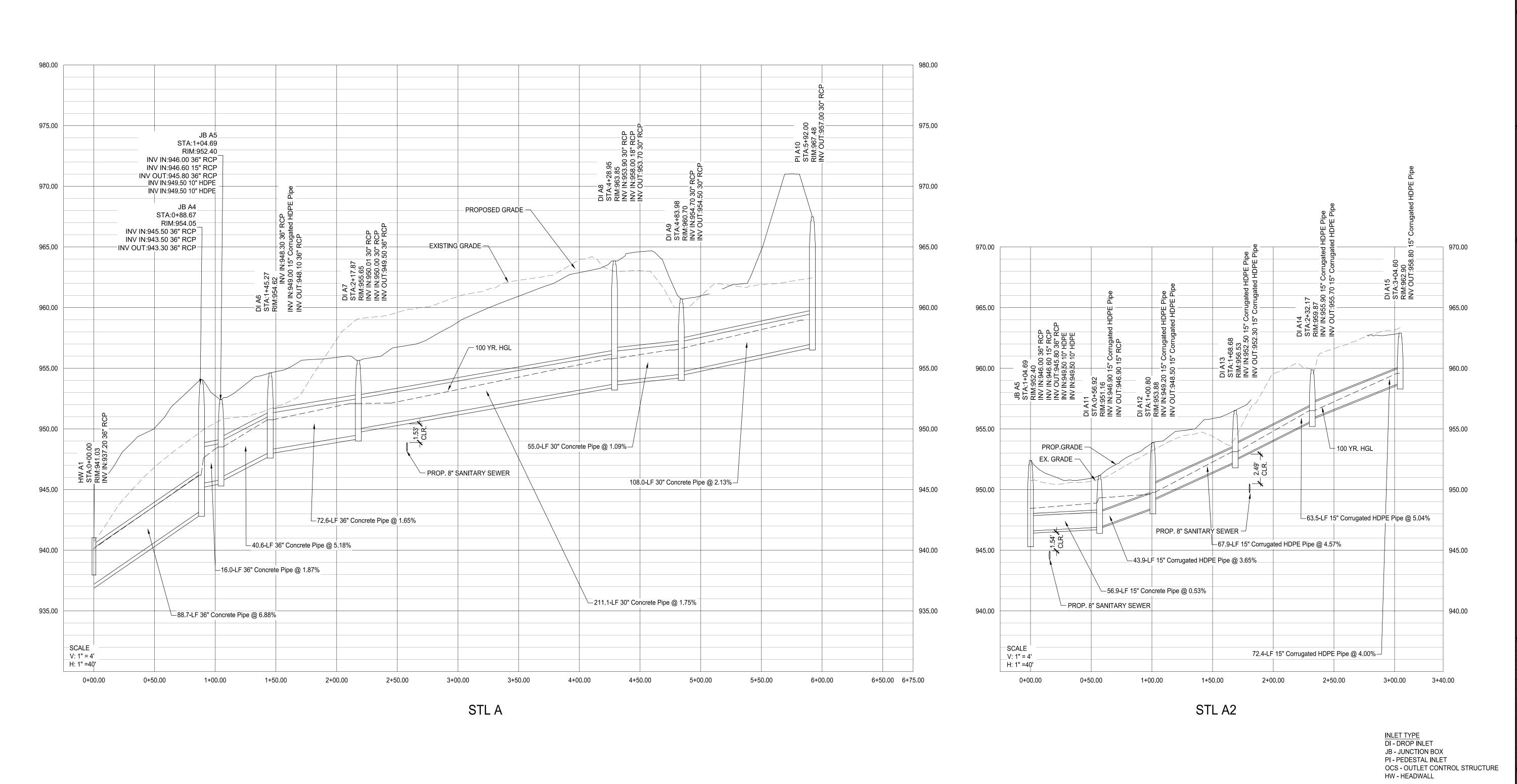
DRAINAGE PLAN

PROJECT NO. 19002 07/01/2022

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CHECKED BY DMY

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BROOKHAVEN PARK IMPROVEMENTS SITE DEVELOPMENT PACKAGE

BROOKHAVEN PARKS AND RECRE LAND LOTS 240 & 241, DIS1

SUBMITTALS / REVISIONS NO. DATE DESCRIPTION

ISSUED FOR PERMIT

SHEET TITLE

STORM PROFILES

PROJECT NO. DATE 19002 07/01/2022 DRAWN BY MTC AS SHOWN CHECKED BY DMY SHEET NO.

C2.05





BROOKHAVEN PARK IMPROVEMENTS SITE DEVELOPMENT PACKAGE

BROOKHAVEN PARKS AND RECRE LAND LOTS 240 & 241, DIS⁻

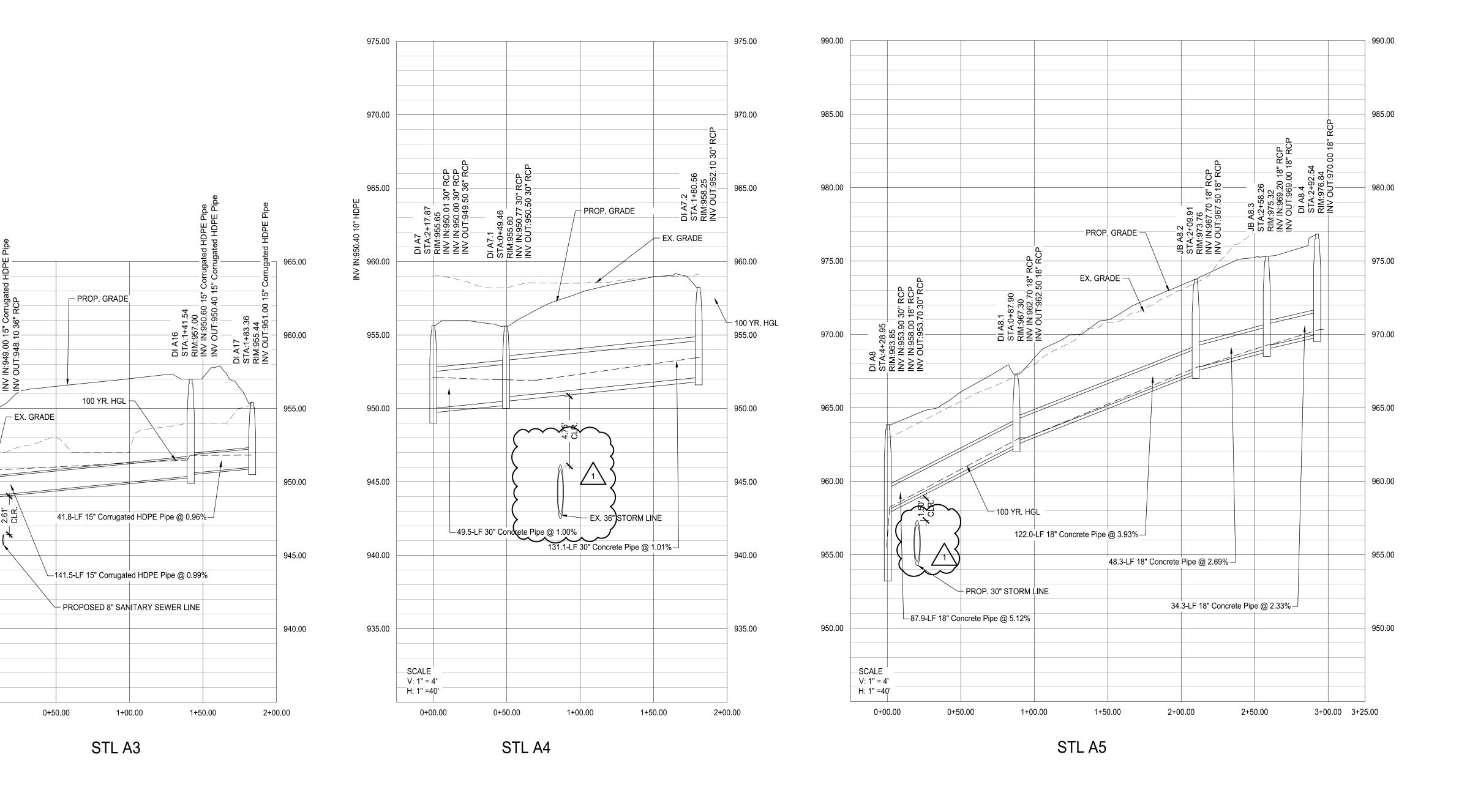
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STORM PROFILES

PROJECT NO. DATE 19002 07/01/2022 DRAWN BY MTC CHECKED BY DMY SHEET NO. AS SHOWN

C2.06



960.00

955.00

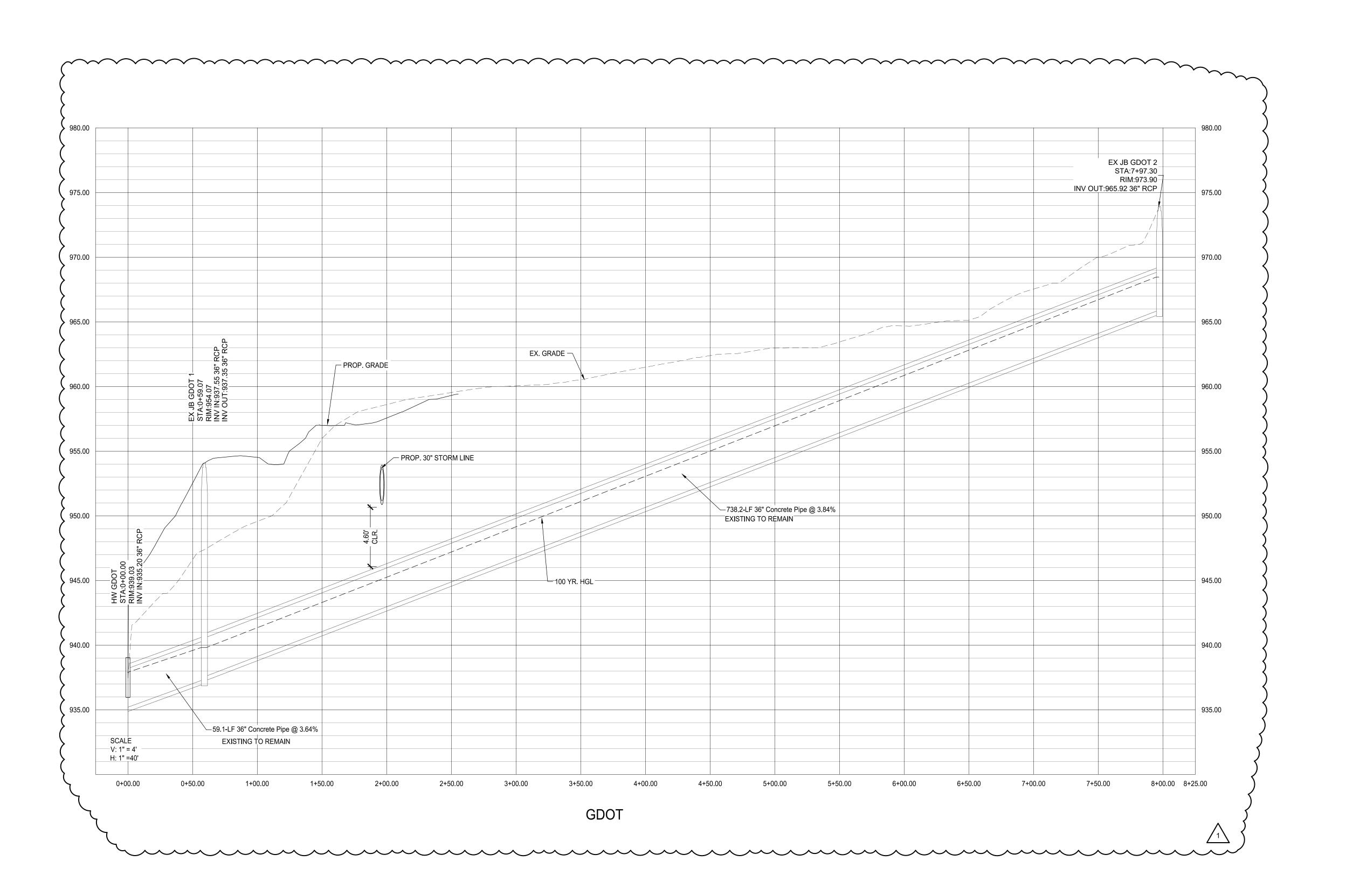
950.00

945.00

940.00

SCALE V: 1" = 4' H: 1" =40'

0+00.00







BROOKHAVEN PARK IMPROVEMENTS SITE DEVELOPMENT PACKAGE

BROOKHAVEN PARKS AND RECRE LAND LOTS 240 & 241, DIS⁻

SUBMITTALS / REVISIONS NO. DATE DESCRIPTION PERMIT REVISIONS

1 09.09.2022

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STORM PROFILES

PROJECT NO. DATE 19002 07/01/2022 DRAWN BY MTC CHECKED BY DMY SHEET NO. AS SHOWN

TOWNHOME BYPASS

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BROOKHAVEN PARK IMPROVEMENTS SITE DEVELOPMENT PACKAGE

BROOKHAVEN PARKS AND RECRE LAND LOTS 240 & 241, DIS⁻

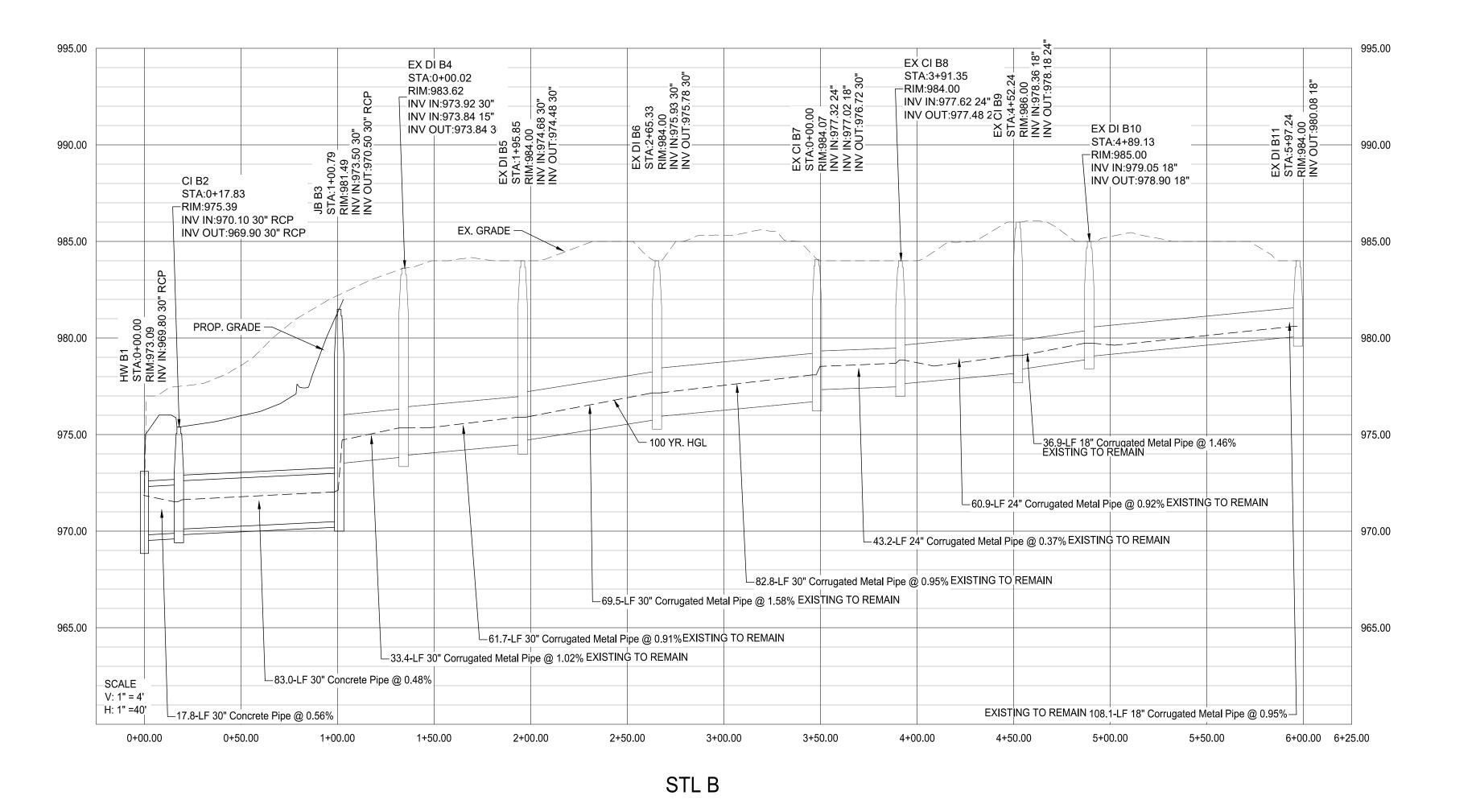
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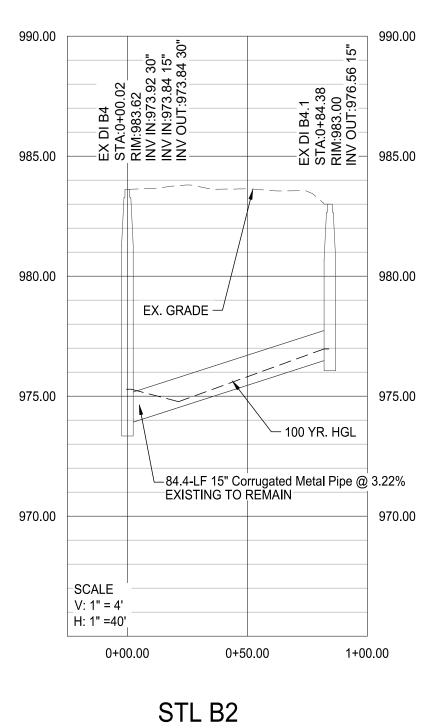
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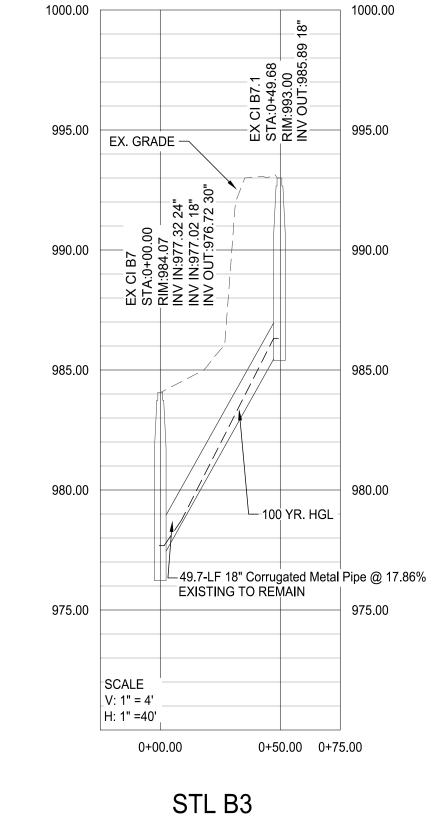
STORM PROFILES

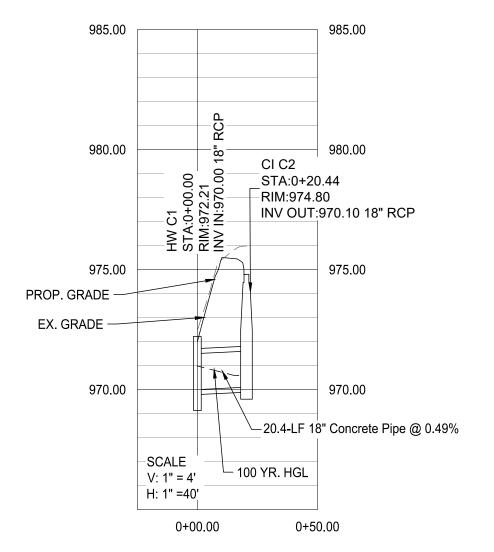
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BROOKHAVEN PARK IMPROVEMENTS
SITE DEVELOPMENT PACKAGE

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DATE DESCRIPTION

SUBMITTALS / REVISIONS				
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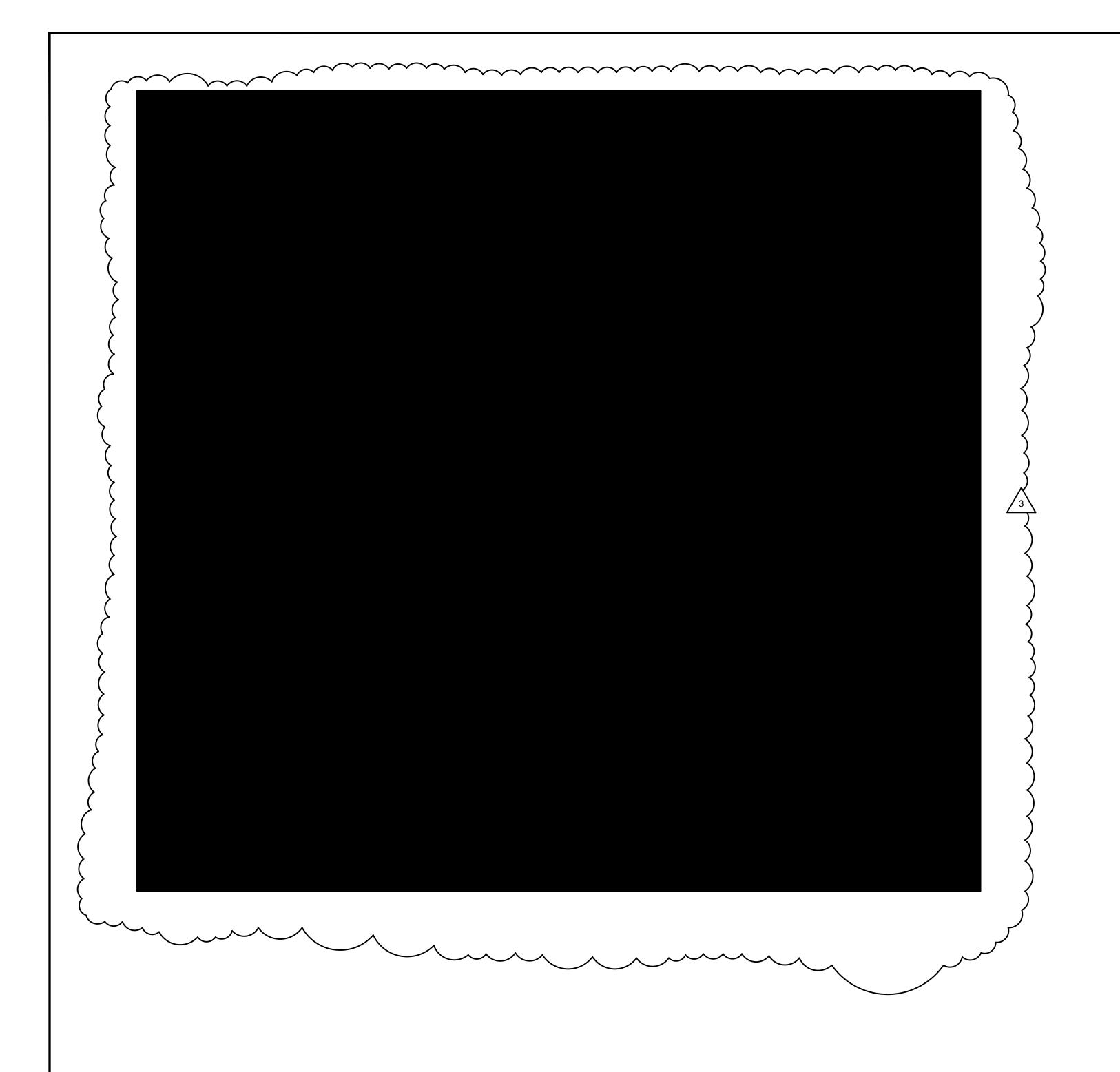
STORM PROFILES

PROJECT NO. 19002 07/01/2022

DRAWN BY SCALE AS SHOWN CHECKED BY DMY

SHEET NO.

C2.09









BROOKHAVEN PARK IMPROVEMENTS SITE DEVELOPMENT PACKAGE

CITY OF BROOKHAVEN PARKS AND RECREATION DEPARTMENT KHAVEN LAND LOTS 240 & 241, DISTRICT 18 SUBMITTALS / REVISIONS
 NO.
 DATE
 DESCRIPTION

 3
 04.07.2023
 PER CITY COMMENTS 03.28.2023

ISSUED FOR PERMIT

PIPE CHART

PROJECT NO. DATE
19002 07/01/2022

DRAWN BY SCALE
MTC N/A

CHECKED BY
DMY

SHEET NO.

C2.09A

CALLOUT(S)

C2.90/

C2.90

C2.90/

C2.95

 $\begin{pmatrix} 6 \\ C2.93 \end{pmatrix}$

C2.98

PROJECT RECEIVING WATERS

UNNAMED TRIBUTARY

CREEK

33.96406 N 84.34146 W

TOTAL DRAINAGE BASIN: 33.97± ACRES

DISCHARGING INTO NANCY

FILTER FABRIC WITH (Sd2-F) C2.98 SUPPORTING FRAME PERFORATED HALF-ROUND PIPE $\frac{5}{(C2.93)}$ Rt-P WITH STONE FILTER SEDIMENT BARRIER $\begin{pmatrix} 2 \\ C2.90 \end{pmatrix}$ (Sd1-NS) — SF -(NON-SENSITIVE AREA) SEDIMENT BARRIER = §F ==== C2.90/ (SENSITIVE AREA) CURB INLET PROTECTION C2.98 (Sd3/) TEMPORARY SEDIMENT BASIN TEMPORARY SEDIMENT TRAP -Sd4-A) OVERALOW TEMPORARY SEDIMENT TRAP -C2.98/ ROCK OUTLET $\begin{pmatrix} 3 \\ C2.98 \end{pmatrix}$ STORMDRAIN OUTLET PROTECTION TREE PROTECTION C2.96 DISTURBED AREA STABILIZATION C2.93/ (WITH MULCHING ONLY) DISTURBED AREA STABILIZATION $\begin{pmatrix} 2 \\ C2.93 \end{pmatrix}$ (WITH TEMPORARY SEEDING) DISTURBED AREA STABILIZATION C2.94/ (WITH PERMANENT SEEDING) DUST CONTROL ON DISTURBED AREAS SLOPE STABILIZATION C2.96 $\begin{pmatrix} 2 \\ C2.92 \end{pmatrix}$ FLOATING SURFACE SKIMMER

FILTER RING

Sd2-E)

EXCAVATED INLET

SEDIMENT TRAP

PROJECT SCOPE OF WORK: THE PROJECT CONSISTS OF DEMOLITION OF EXISTING STRUCTURES, PAVEMENT, AND PLAYGROUND AREA, MASS GRADING, DRAINAGE IMPROVEMENTS, A NEW ASPHALT PARKING AREA, NEW CONCRETE TRAIL, 6 NEW BUILDINGS (2 RESTROOM BUILDINGS, 2 PICNIC PAVILIONS, AND 2 SHADE STRUCTURES), AND A NEW PLAYGROUND AREA. NEW SANITARY SEWER AND WATER SERVICES ARE BEING PROVIDED WITHIN THE SCOPE OF WORK.

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

DESIGNER GSWCC LEVEL II I CERTIFY UNDER PENALTY OF LAW THAT THIS PLAN

WAS PREPARED AFTER A SITE VISIT TO THE LOCATIONS



AARON ST PIERRE, CERTIFIED DESIGN PROFESSIONAL

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 MATERIAL. MULCH SHALL ALLOW SUNLIGHT TO PENETRATE AND AIR TO CIRCULATE AS WELL AS 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 THAN 6 MONTHS.
- 3. PROVIDE GPS COORDINATES AT CONSTRUCTION EXIT AS REQUIRED ON THE NOTICE OF INTENT UNDER THE NPDES APPLICATION.
- 4. 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. 5. 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
- CONSTRUCTION. 6. OWNER AGREES TO PROVIDE AND MAINTAIN OFF-STREET PARKING ON THE SUBJECT PROPERTY DURING THE ENTIRE CONSTRUCTION PERIOD.
- THE CONTRACTOR SHALL FURNISH AND MAINTAIN ALL NECESSARY BARRICADES WHILE ROADWAY FRONTAGE IMPROVEMENTS ARE BEING MADE.
- 8. 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.
- 9. 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.
- 10. 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.
- 14. 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

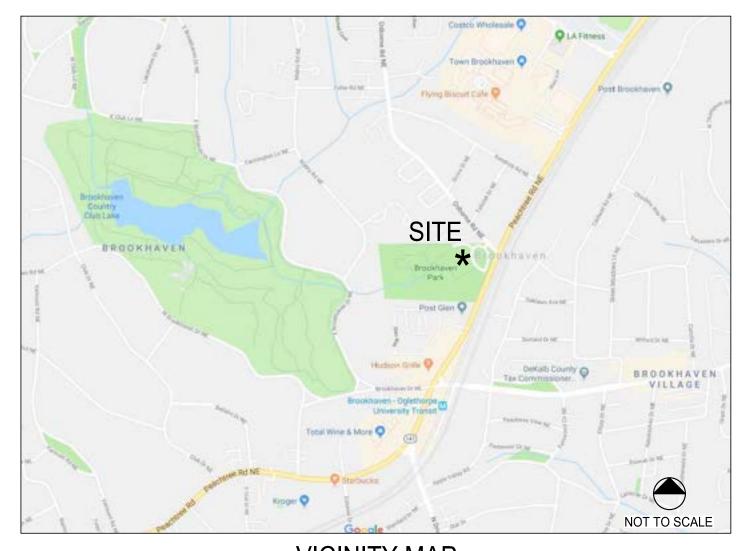
PERIMETER BEST MANAGEMENT PRACTICES (B.M.P.'s): CONTRACTOR TO INSTALL ALL PERIMETER CONTROL BMP's: TREE PROTECTION, SILT FENCE, AND THE INITIAL SEDIMENT STORAGE PONDS, AND THEIR ASSOCIATED DIVERSIONS PRIOR TO COMMENCING ANY GRADING ACTIVITY. SEE MATCHING HIGHLIGHTED AREA.

30'x13' MATERIAL

- STORAGE AREA

CONSTRUCTION EXIT GPS COORDINATES:

33.86536 N 84.33814 W C2.11 C2.31 **EXISTING BUILDING EROSION & SEDIMENT CONTROL** SAMPLING LOCATION GPS COORDINATES:



VICINITY MAP

BUFFER ENCROACHMENT / IMPACTED STREAM NOTE 82 LF OF STREAM WILL BE IMPACTED DURING CONSTRUCTION. A BUFFER VARIANCE PERMIT AND NATIONWIDE PERMIT WILL BE ISSUED PRIOR TO ANY LAND DISTURBING ACTIVITY. PERMIT IDENTIFICATION NUMBERS ARE AS FOLLOWS:

GA EPD BUFFER VARIANCE: BV-044-20-14 USACE NATIONWIDE PERMIT 42 (NWP 42): SAS-2020-00476

PERMIT CONFIRMATION FOR NATIONWIDE PERMIT IS PROVIDED ON SHEET C2.43. PERMIT CONFIRMATION FOR BUFFER VARIANCE WILL BE PROVIDED WHEN IT IS RECEIVED. THE 25' STATE UNDISTURBED BUFFER & 75' CITY OF BROOKHAVEN UNDISTURBED BUFFER ARE DELINEATED AND SHOWN ON ALL APPLICABLE ES&PC PLANS

NOTE: THE RECEIVING STREAM IS NOT A TROUT STREAM. THE RECEIVING STREAM SUPPORTS WARM WATER FISHERIES.

NOTE: POST-DEVELOPED RUNOFF FROM THIS SITE IS DETERMINED TO IOT HAVE ANY NEGATIVE EFFECTS TO ANY DOWNSTREAM OF NEIGHBORING AREA. THE MS-4 AUTHORITY FOR THIS SITE IS THE CITY OF BROOKHAVEN.

FLOODPLAIN NOTE:

THIS SITE IS NOT LOCATED WITHIN A ZONE AS DEFINED BY FIRM COMMUNITY PANEL NUMBER 13089C0052K FOR UNINCORPORATED 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: BROOKHAVEN PARK 4158 PEACHTREE ROAD, NE ATLANTA, GA 30319

NATURE OF CONSTRUCTION ACTIVITY

EXISTING USE: MUNICIPAL PARK PROPOSED USE: MUNICIPAL PARK TOTAL PROJECT AREA: ± 912,604-SF, ± 20.95-AC

CECIL-URBAN LAND COMPLEX, 2 TO 10 % SLOPES URBAN LAND

CECIL SANDY LOAM, 2 TO 6 % SLOPES

PACOLET-URBAN LAND COMPLEX, 10 TO 25 % SLOPES

CONSTRUCTION OF SAFETY FENCE ALONG PEACHTREE ROAD FOR THE CITY OF BROOKHAVEN. THERE ARE NO DELINEATED ON-SITE WETLANDS WITHIN 200

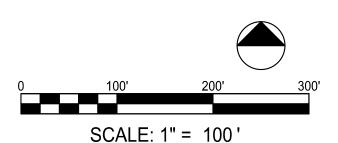
FEET OF THE PROJECT SITE THERE ARE STATE WATERS ONSITE OR WITHIN 200 FEET OF THE PROJECT SITE

AN UNNAMED TRIBUTARY OF NANCY CREEK IS THE RECEIVING WATERS FOR THIS SITE THE SITE IS LOCATED MORE THAN 1-MILE FROM AN IMPAIRED STREAM SEGMENT

POINT TABLE							
POINT#	DESCRIPTION	LATITUDE	LONGITUDE				
1	CONSTRUCTION EXIT	N033° 51' 55.29"	W084° 20' 17.32"				
2	SAMPLE POINT 1	N033° 51' 49.61"	W084° 20' 30.17"				
3	SAMPLE POINT 2	N033° 51' 53.06"	W084° 20' 29.91"				

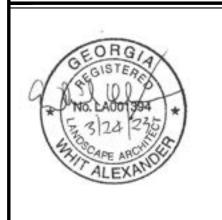






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ESPC PLAN KEY SHEET

07/01/2022 19002 RAWN BY MTC AS SHOWN CHECKED BY

DMY

HEET NO.

NATURAL COVER IS EXPOSED ONLY IN SMALL QUANTITIES.

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

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.

INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROL BMP'S WITHIN SEVEN DAYS AFTER INSTALLATION.

THE DESIGN PROFESSIONAL WHO PREPARED THE ESPC PLAN WILL INSPECT THE INSTALLATION OF THE

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.

STATE WATERS NOTE:
ALL STATE WATERS WITHIN 200' OF THE PROJECT SITE ARE SHOWN HEREIN. NO OTHER STATE WATERS WERE FOUND ON THIS PROPERTY.

BUFFER ENCROACHMENT / IMPACTED STREAM NOTE:
82 LF OF STREAM WILL BE IMPACTED DURING CONSTRUCTION. A
BUFFER VARIANCE PERMIT AND NATIONWIDE PERMIT WILL BE ISSUED
PRIOR TO ANY LAND DISTURBING ACTIVITY. PERMIT IDENTIFICATION
NUMBERS ARE AS FOLLOWS:

GA EPD BUFFER VARIANCE: BV-044-20-14
USACE NATIONWIDE PERMIT 42 (NWP 42): SAS-2020-00476

PERMIT CONFIRMATION FOR NATIONWIDE PERMIT IS PROVIDED ON SHEET C2.43. PERMIT CONFIRMATION FOR BUFFER VARIANCE WILL BE PROVIDED WHEN IT IS RECEIVED. THE 25' STATE UNDISTURBED BUFFER & 75' CITY OF BROOKHAVEN UNDISTURBED BUFFER ARE DELINEATED AND SHOWN ON ALL APPLICABLE ES&PC PLANS

<u>NOTE:</u> THE RECEIVING STREAM IS <u>NOT</u> A TROUT STREAM. THE RECEIVING STREAM SUPPORTS WARM WATER FISHERIES.

NOTE: POST-DEVELOPED RUNOFF FROM THIS SITE IS DETERMINED TO NOT HAVE ANY NEGATIVE EFFECTS TO ANY DOWNSTREAM OF NEIGHBORING AREA. THE MS-4 AUTHORITY FOR THIS SITE IS THE CITY OF BROOKHAVEN.

TREES IN THIS AREA WILL REMAIN,

THEREFORE SPACE FOR A SEDIMENT

BASIN/TRAP IS NOT AVAILABLE AND

SEDIMENT STORAGE WILL BE

PROVIDED BEHIND SILT FENCE.

* 15.4 CY OF SEDIMENT STORAGE PROVIDED

* 0.91 CF OF SEDIMENT STORAGE PROVIDED

2.75 ACRES OF TOTAL DRAINAGE

AREA TO SAMPLE POINT 2 DURING PHASE

2.28 ACRES OF CONTRIBUTING DRAINAGE

AREA WILL NOT BE DISTURBED DURING

CONSTRUCTION INCLUDING DRAINAGE

33.84 ACRES OF TOTAL DRAINAGE

AREA TO SAMPLE POINT 1 DURING PHASE 1

14.67 ACRES OF CONTRIBUTING DRAINAGE

AREA WILL NOT BE DISTURBED DURING

CONSTRUCTION INCLUDING DRAINAGE

ON-SITE FROM THE WEST AND SOUTH

PORTIONS OF THE SITE AND DRAINAGE

OFF-SITE FROM THE SOUTH.

ON-SITE AND OFF-SITE FROM THE

2. ABOVE 2.0 CFS: NO

NORTHWEST PORTION OF THE SITE.

0.23 ACRES SHEET FLOW TO SILT FENCE

1. CFS IN THE CHANNEL/DITCH THAT THE CHECK DAM IS BEING USED IN: 0.02 CFS

75' CITY OF BROOKHAVEN -

50' CITY UNDISTURBED BUFFER

TO NANCY CREEK ~

SAMPLE POINT #1

NTU: 50

25' STATE UNDISTURBED BUFFER

50' CITY UNDISTURBED BUFFER →

75' CITY OF BROOKHAVEN -

IMPERVIOUS BUFFER

GPS COORDINATES:

33.96406 N 84.34146 W

UNNAMED TRIBUTARY

IMPERVIOUS BUFFER

25' STATE UNDISTURBED BUFFER

* 456 LF OF SILT FENCE PROVIDED

PER LF OF SILT FENCE.

EXCAVATED INLET SEDIMENT TRAP CALCULATIONS Total Required Required Provided Inlet Length Width Sedimen Excavation | Slope of Sediment Drainage Sediment Sediment Surface Structure Area (AC) Storage (CY) Storage (CF) Depth (FT) Sides (X:1) Area (SF) (FT) (FT) Storage Storage (CY) 518.6 RECTANGULAR 355.8 RECTANGULAR 211.1 RECTANGULAR 21 TOTAL 1.80 120.6 3256.2 - - -- - 3256.2 120.6

Ds1

1. CFS IN THE CHANNEL/DITCH THAT THE CHECK DAM IS BEING USED IN: 0.12 CFS

3. BMP BEING USED IN CONJUNCTION WITH CHECK DAMS: CH-1 (0.99 FT/S)

DRAINING TO INLET

SEDIMENT TRAP F4

- DIVERSION -

4&5 OUTLET

Ds/1

Du∖

-Ds1

(∕Sd-3) •

MAINTENANCE

SILT FENCE TO BE

FLOW FROM INLET

SEDIMENT TRAP EX1

INSTALLED TO DIVERT

 SEDIMENT TRAP CALCULATIONS (Sd4-C)

 BMP Structure
 Total Drainage Area (AC)
 Required Sediment Storage (CY)
 Required Sediment Storage (CF)
 Provided Sediment Storage (CF)
 Sediment Storage (CF)
 Stor

Stage / Storage Table
Stage (ft) Elevation (ft)

(Sd1-S)

TO BE MARKED WITH

0.05 ACRES SHEET FLOW TO SILT FENCE-

* 3.4 CY OF SEDIMENT STORAGE PROVIDED

* 0.86 CF OF SEDIMENT STORAGE PROVIDED

* 107 LF OF SILT FENCE PROVIDED

PER LF OF SILT FENCE

DA - 0.52 AC

OUTLET PROTECTION:

APRON THICKNESS: 0.45'

Q: 1.00-cfs

L_a: 6-ft 🔄

CLEANOUT ELEVATION TO BE MARKED

ON RISER OR ON A MARKED POST NEXT

CLEANOUT VOLUME: 150 CY (4050 CF)

TO THE RISER

CLEANOUT ELEV: 952.90

V: 5.25-fps

MIN. TAILWATER

OLUME REQUIRED

940.7 CF (34.84 CY)

VOLUME PROVIDED

2153.00 CF (79.74 CY)

CLEANOUT ELEV TO

BE MARKED WITH STAKE

AT OUTLET. ELEV: 946.56

STAKE AT OUTLET

ELEV: 958.62

- DIVERSION

2&3 OUTLET

PROTECTION

PAVEMENT WILL BE NOT BE DEMOLISHED,

SPACE FOR A SEDIMENT BASIN/TRAP IS

NOT AVAILABLE AND SEDIMENT STORAGE

WILL BE PROVIDED BEHIND SILT FENCE.

* 23.5 CY OF SEDIMENT STORAGE PROVIDED

* 2.17 CF OF SEDIMENT STORAGE PROVIDED

THIS AREA IS TOO SMALL TO SIZE A

SEDIMENT BASIN/TRAP, THEREFORE

SEDIMENT STORAGE WILL BE

PROVIDED BEHIND SILT FENCE.

0.35 ACRES DRAINING TO SILT FENCE

* 293 LF OF SILT FENCE PROVIDED

(Sd1-S)

PER LF OF SILT_FENCE

-Du

THE PRESENCE OF STREAM BUFFERS AND

GRADING CONSTRAINTS EXIST IN THIS

AREA THEREFORE SEDIMENT STORAGE

WILL BE PROVIDED BEHIND SILT FENCE.

0.23 ACRES SHEET FLOW TO SILT FENCE

* 15.4 CY OF SEDIMENT STORAGE PROVIDED ~

* 0.51 CF OF SEDIMENT STORAGE PROVIDED

* 810 LF OF SILT FENCE PROVIDED

PER LF OF SILT FENCE

BUT MILLED AND OVERLAID, THEREFORE

Contour area (sqft) Incr. Storage (cuft) Total storage (cuft) 957.00 0.00 396 1.00 958.00 586 488 2.00 959.00 805 1,180 3.00 960.00 1,049 2,105 2,661 3.50 960.50 1,180

- 1.32 ACRES DRÀINING

TO SEDIMENT TRAP 1

2. ABOVE 2.0 CFS: NO

BERM ELEV: 962.0'

Ds1

Du∖

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 DETENTION POND RETROFIT

3. Total Storage Required = 545.4 CY

I. Ayailatole Storage = 507.0 CY

. Required Stormwater Storage = 224.5 CY

8. Is the length-width ratio 2:1 or greater? Yes

9. Total Available Storage After Undercut = 599.6 CY

Required Sediment Storage: (67 CY/AC x 4.79 AC) = 320.9 CY

s the Available Storage greater than the Total Required Storage? No

If 'ne". choose method to be used to increase sediment storage:

. Clean Out Elevation: Elev. @ (22 CY/AC x 4.79 AC) = 967.2 ft

Note: CMP Half-Round Retrofit - Diameter: 48 inches, Height: 4.0 feet

TROD TR LOD - TR LOD -

Ds1

/Du/

Sd2-É/EX1

DIVERSION

. ABOVE 2.0 CFS: NO

DIVERSION 1 OUTLET

PROTECTION (St)

SEE C2.92 DETAIL 1 FOR

TEMPORARY SEDIMENT

DESIGN CALCULATIONS

BASIN DETAILS AND

CFS IN THE CHANNEL/DITCH THAT

THE CHECK DAM IS BEING USED IN:

3. BMP BEING USED IN CONJUNCTION

WITH CHECK DAMS: CH-1 (0.1.62 FT/S)

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.





AARON ST PIERRE, CERTIFIED DESIGN PROFESSIONAL

UNIFORM CODING SYSTEM

FOR SOIL EROSION & SEDIMENT CONTROL PRACTICES
GEORGIA SOIL AND WATER CONSERVATION COMMISSION

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
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 (Cd-S) STONE CHECK DAM C2.90 $\rightarrow \leftarrow$ CHANNEL STABILIZATION (< 5-FPS) Ch-1 C2.90 **VEGETATED LINING** (Sd1-S) SEDIMENT BARRIER = §F === C2.90 (SENSITIVE AREA) $\frac{4}{C2.95}$ - - - - - -DIVERSION FILTER RING C2.93 **EXCAVATED INLET** C2.98 SEDIMENT TRAP FILTER FABRIC WITH (Sd2-F) C2.98 SUPPORTING FRAME PERFORATED HALF-ROUND PIPE C2.93 WITH STONE FILTER Sd3 TEMPORARY SEDIMENT BASIN C2.92 TEMPORARY SEDIMENT TRAP -Sd4-A C2.98 OVERFLOW TEMPORARY SEDIMENT TRAP -Sd4-C C2.98 ROCK OUTLET STORMDRAIN OUTLET PROTECTION C2.98 TREE PROTECTION ---- TR C2.96 DISTURBED AREA STABILIZATION C2.93 (WITH MULCHING ONLY) Du **DUST CONTROL ON DISTURBED AREAS** Sk FLOATING SURFACE SKIMMER C2.92

 OUTLET PROTECTION CALCS

 Di
 1
 2
 3
 4
 5

 D₀
 2'
 2'
 2'
 1'
 1'

 W₁
 6'
 6'
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 13'
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 8'
 8'

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 0.9'
 0.9'
 0.9'
 0.45'
 0.45'

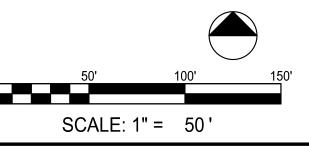
 d₅₀
 0.4'
 0.4'
 0.4'
 0.2'
 0.2'

 dmax
 0.6'
 0.6'
 0.6'
 0.3'
 0.3'

 Q(cfs)
 0.25
 0.12
 0.02
 0.37
 0.61

 Vel(ft/s)
 1.62
 0.99
 0.49
 2.6
 2.6







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YEN PARK IMPROVEMENTS
DEVELOPMENT PACKAGE

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BMITTALS / REVISIONS
DATE DESCRIPTION

 SUBMITTALS / REVISIONS

 NO.
 DATE
 DESCRIPTION

 1
 09.09.2022
 PERMIT REVISIONS

 3
 04.07.2023
 PER CITY COMMENTS 03.28.202

 5
 05/15/2023
 PER CITY REVIEW 05/11/2023

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ET TITLE

ESPC PHASE 1

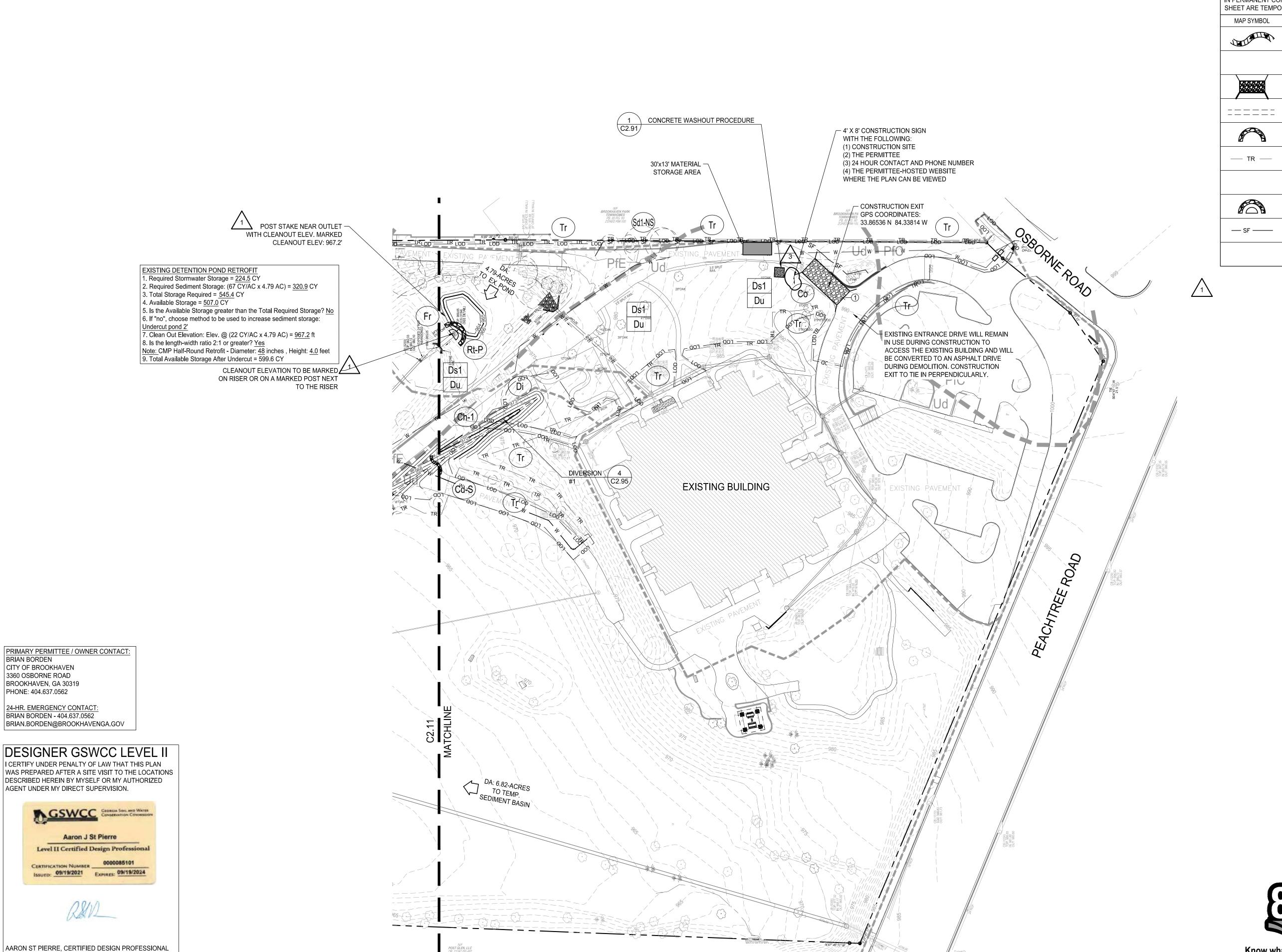
19002 07/01/2022

DRAWN BY SCALE
MTC AS SHOWN

CHECKED BY
DMY

SHEET NO.

C2 11



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 SHEET ARE TEMPORARY.

MAP SYMBOL	CODE	PRACTICE	CALLOUT(S)
	Cd-S	STONE CHECK DAM (Q ₂₅ : 1.88-CFS)	5 C2.90
	Ch-1	CHANNEL STABILIZATION (< 5-FPS) VEGETATED LINING	6 C2.90
	Co	CONSTRUCTION EXIT	4 C2.90
======	Di	DIVERSION	4 C2.95
	Fr	FILTER RING	6 C2.93
TR	Tr	TREE PROTECTION	1 C2.96
	Ds1	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)	1 C2.93
	Rt-P	PERFORATED HALF-ROUND PIPE WITH STONE FILTER	5 C2.93
— SF ——	Sd1-NS	SEDIMENT BARRIER (NON-SENSITIVE AREA)	2 C2.90
	Du	DUST CONTROL ON DISTURBED AREAS	3 C2.93

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PARK IMPROVEMENTS
ELOPMENT PACKAGE DEVELOPMENT P. BROOKHAVEN I

SUBMITTALS / REVISIONS NO. DATE DESCRIPTION PERMIT REVISIONS 09.09.2022 3 04/07/2023 PER CITY COMMENTS 03/28/20:

ISSUED FOR PERMIT

ESPC PHASE 1

PROJECT NO. 19002 07/01/2022 DRAWN BY MTC AS SHOWN CHECKED BY DMY

Permit # LDP22-00013

Know what's below.

Call before you dig. 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.

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.

STATE WATERS NOTE ALL STATE WATERS WITHIN 200' OF THE PROJECT SITE ARE SHOWN HEREIN. NO OTHER STATE WATERS WERE FOUND ON THIS PROPERTY.

BUFFER ENCROACHMENT / IMPACTED STREAM NOTE 82 LF OF STREAM WILL BE IMPACTED DURING CONSTRUCTION. A BUFFER VARIANCE PERMIT AND NATIONWIDE PERMIT WILL BE ISSUED PRIOR TO ANY LAND DISTURBING ACTIVITY. PERMIT IDENTIFICATION NUMBERS ARE AS FOLLOWS:

GA EPD BUFFER VARIANCE: BV-044-20-14 USACE NATIONWIDE PERMIT 42 (NWP 42): SAS-2020-00476

PERMIT CONFIRMATION FOR NATIONWIDE PERMIT IS PROVIDED ON SHEET C2.43. PERMIT CONFIRMATION FOR BUFFER VARIANCE WILL BE PROVIDED WHEN IT IS RECEIVED. THE 25' STATE UNDISTURBED BUFFER & 75' CITY OF BROOKHAVEN UNDISTURBED BUFFER ARE DELINEATED AND SHOWN ON ALL APPLICABLE ES&PC PLANS

NOTE: THE RECEIVING STREAM IS NOT A TROUT STREAM. THE RECEIVING STREAM SUPPORTS WARM WATER FISHERIES.

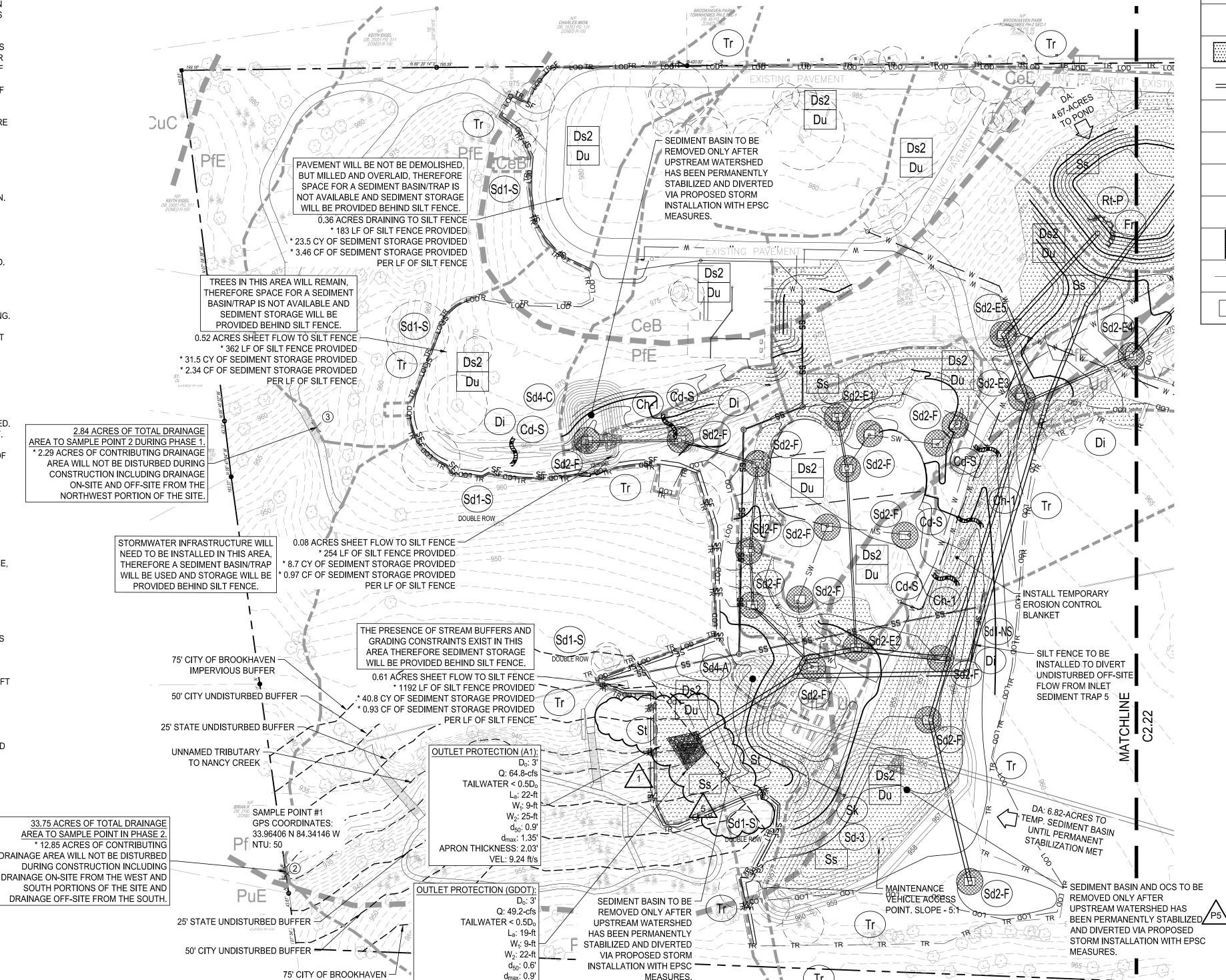
NOTE: POST-DEVELOPED RUNOFF FROM THIS SITE IS DETERMINED TO OT HAVE ANY NEGATIVE EFFECTS TO ANY DOWNSTREAM OF NEIGHBORING AREA. THE MS-4 AUTHORITY FOR THIS SITE IS THE CITY OF BROOKHAVEN.

IMPERVIOUS BUFFER

APRON THICKNESS: 1.35'

VEL: 7.20 ft/s | 2

DESIGNER GSWCC LEVEL II PROPOSED POND RETROFIT . Required Stormwater Storage = 1584.8 CY I CERTIFY UNDER PENALTY OF LAW THAT THIS PLAN 2. Required Sediment Storage: (67 CY/AC x 4.67 AC Dist.) = 312.9 CY WAS PREPARED AFTER A SITE VISIT TO THE LOCATIONS 3. Total Storage Required = 1897.7 CY DESCRIBED HEREIN BY MYSELF OR MY AUTHORIZED 4. Available Storage = 2988.1 CY AGENT UNDER MY DIRECT SUPERVISION. 5. Is the Available Storage greater than the Total Required Storage? Yes 6. Clean Out Elevation: Elev. @ (22 CY/AC x 4.67 AC) = 964.40 ft 7. Is the length-width ratio 2:1 or greater? Yes Note: CMP Half-Round Retrofit - Diameter: 48 inches, Height: 5.0 feet PRIMARY PERMITTEE / OWNER CONTACT: BRIAN BORDEN Level II Certified Design Professional CITY OF BROOKHAVEN 3360 OSBORNE ROAD CERTIFICATION NUMBER __ BROOKHAVEN, GA 30319 ISSUED: 09/19/2021 EXPIRES: 09/19/2024 PHONE: 404.637.0562 BRIAN.BORDEN@BROOKHAVENGA.GOV



AARON ST PIERRE, CERTIFIED DESIGN PROFESSIONAL

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 SHEET ARE TEMPORARY.

SHEET ARE TEMPO	11/7111.		
MAP SYMBOL	CODE	PRACTICE	CALLOUT(S)
	Cd-S	STONE CHECK DAM (Q ₂₅ : 1.88-CFS)	5 C2.90
	Ch-1	CHANNEL STABILIZATION (< 5-FPS) VEGETATED LINING	6 C2.90
=====	Di	DIVERSION	4 C2.95
	Fr	FILTER RING	6 C2.93
	Sd2-E	EXCAVATED INLET SEDIMENT TRAP	1 C2.98
	Sd2-F	FILTER FABRIC WITH SUPPORTING FRAME	1 C2.98
	Rt-P	PERFORATED HALF-ROUND PIPE WITH STONE FILTER	5 C2.93
	Du	DUST CONTROL ON DISTURBED AREAS	3 C2.93
	Ss	SLOPE STABILIZATION	3 C2.96
— §F ——	Sd1-S	SEDIMENT BARRIER (SENSITIVE AREA)	1 C2.90
	Ds2	DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)	2 C2.93
	Sd3	TEMPORARY SEDIMENT BASIN	1 C2.92
	Sd4-A	TEMPORARY SEDIMENT TRAP - OVERFLOW	5 C2.98
	Sd4-C	TEMPORARY SEDIMENT TRAP - ROCK OUTLET	4 C2.98
	St	STORMDRAIN OUTLET PROTECTION	3 C2.98

TREE PROTECTION

FLOATING SURFACE SKIMMER

---- TR

Know what's **below**.

Call before you dig.

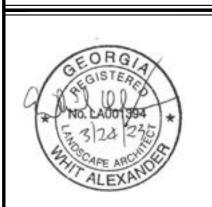
SCALE: 1" = 50'



C2.96

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





L N H ШЩ O Y

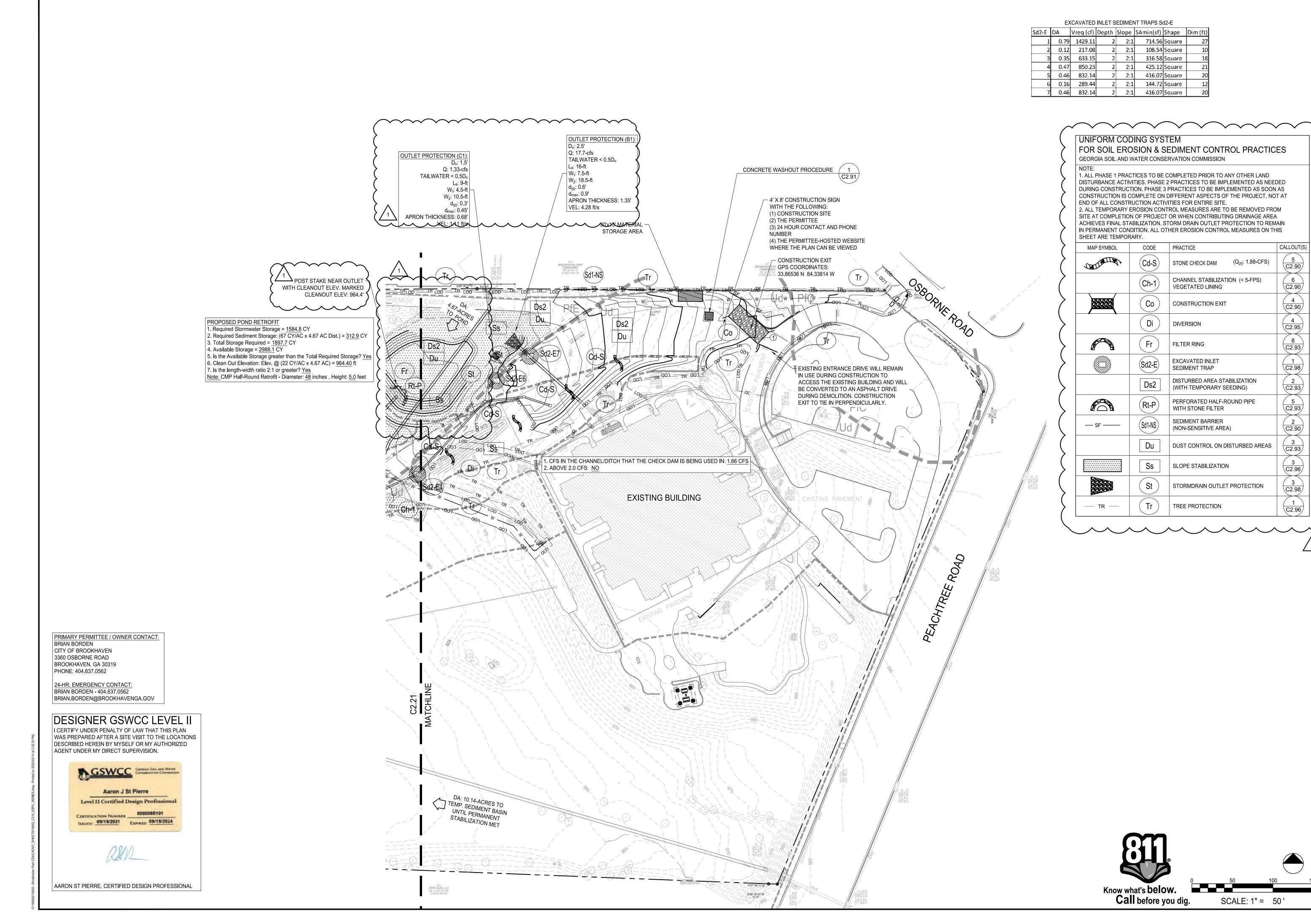
BROOKHA

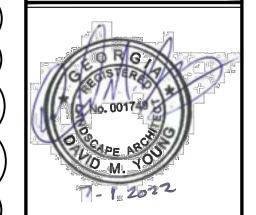
UBMITTALS / REVISIONS NO. DATE DESCRIPTION PERMIT REVISIONS 09.09.2022 05/156/2023 PER CITY REVIEW 05/11/2023

ISSUED FOR PERMIT

ESPC PHASE 2

07/01/2022 19002 RAWN B MTC AS SHOWN CHECKED BY DMY







7-1-2022

IMPROVEMENT NT PACKAGE ACKAG VEN PARK IM **BROOKHAVEN**

UBMITTALS / REVISIONS NO. DATE DESCRIPTION PERMIT REVISIONS 09.09.2022 P4 01/26/2021 PERMIT REVISIONS

ISSUED FOR PERMIT

ESPC PHASE 2

19002 07/01/2022 DRAWN BY AS SHOWN CHECKED BY