

CONSULTANT



**LAKE FOREST ELEMENTARY
RECREATIONAL IMPROVEMENTS**
5920 SANDY SPRINGS CIRCLE
SANDY SPRINGS, GA 30328

REVISIONS		
No.	DATE	DESCRIPTION

RELEASED FOR CONSTRUCTION

SUBMITTALS		
No.	DATE	DESCRIPTION
1	03-04-19	OWNER REVIEW SET
2	03-29-19	PERMIT SET
3	04-23-19	LDP RESUBMITTAL
4	05-07-19	BID SET
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BLP, INC. PROJECT NO: 18136
DATE: 01-18-2019
DRAWING BY: KAM
CHECKED BY: HOB

OVERALL SITE PLAN

C050 SHEET#

Landscape Architects ◆ Civil Engineers ◆ 15 Simpson St. NW Atlanta, GA 30308 Phone: 770-483-1173 www.landplanning.net ◆ Breedlove Land Planning, Inc.

SCALE: 1"=40'-0"

DO NOT DUPLICATE DRAWINGS WITHOUT WRITTEN PERMISSION

CAUTION

THE UTILITIES SHOWN ARE SHOWN FOR THE CONTRACTOR'S CONVENIENCE ONLY. THERE MAY BE OTHER UTILITIES NOT SHOWN ON THESE PLANS. THE DESIGN PROFESSIONAL ASSUMES NO RESPONSIBILITY FOR THE LOCATIONS SHOWN AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATIONS OF UTILITIES WITHIN THE LIMITS OF THE WORK. DAMAGE TO EXISTING UTILITIES BY THE CONTRACTOR FROM HIS/HER OPERATIONS, SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

CONTRACTOR SHALL BE RESPONSIBLE TO SECURE THE SERVICES OF A PRIVATE UTILITY LOCATOR FIRM DURING THE ENTIRE COURSE OF CONSTRUCTION. CONTRACTOR SHALL PAY FOR SAID SERVICES. CONTRACTOR SHALL IMMEDIATELY REPAIR ALL UTILITIES DAMAGED BY CONSTRUCTION ACTIVITIES, AT NO ADDITIONAL COST TO THE OWNER.

811 Know what's below.
Call before you dig.
Dial 811
Or Call 800-282-7411

CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION OF BACKFILL OF ALL UTILITY TRENCHES WITHIN SITE WORK LIMITS. THIS INCLUDES TRENCHES DUG AND BACKFILLED BY LOCAL UTILITIES, SUCH AS POWER, GAS, TELEPHONE, ETC. CONTRACTOR SHALL PROVIDE ADDITIONAL BACKFILL AND COMPACTION AS NECESSARY, IF SETTLEMENT OCCURS.



CITY GATE (FIELD
TE BY FIRE
HALL)

4" D.I.P.
WATER LINE

EXISTING
1st FLO
2nd FLO
3rd FLO
TOTAL

PAVING LEGEND

	RUBBER MULCH POURED IN PLACE
	SYNTHETIC TURF
	CONCRETE WALK

24-HOUR CONTACT
Steve Ciaccio
Parks and Rec Sandy Springs
sciaccio@sandyspringsga.gov
770-238-8062

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www.landplanning.net

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CONSULTANT

SEAL

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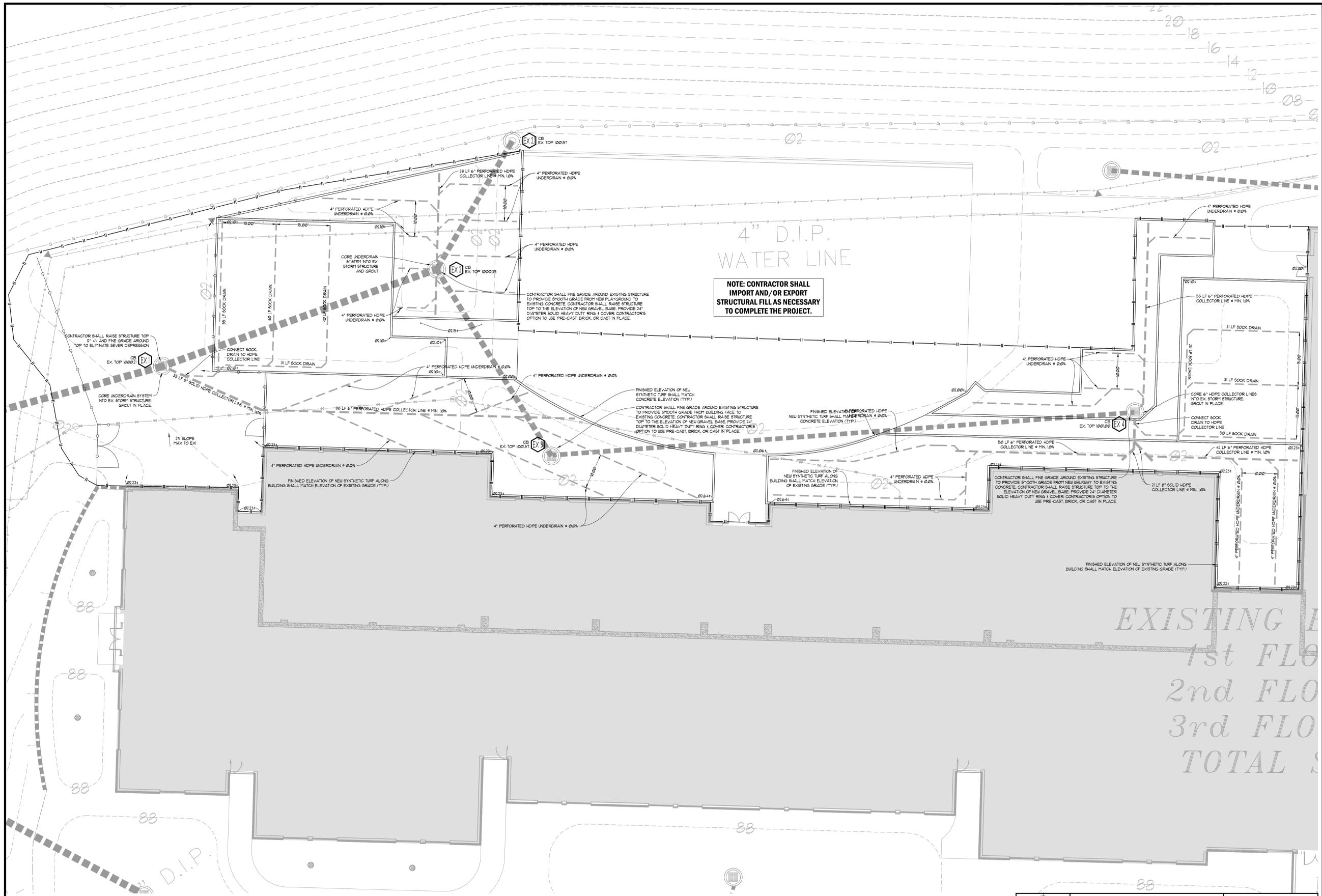
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SITE LAYOUT & MATERIALS PLAN 'A'

C200

SHEET #



4" D.I.P.
WATER LINE

NOTE: CONTRACTOR SHALL
IMPORT AND/OR EXPORT
STRUCTURAL FILL AS NECESSARY
TO COMPLETE THE PROJECT.

EXISTING
1st FLO
2nd FLO
3rd FLO
TOTAL

CITY OF SANDY SPRINGS NOTES

- 1) THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO LAND DISTURBING ACTIVITIES.
- 2) 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 CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.
- 3) ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.
- 4) THE DESIGN PROFESSIONAL WHOSE SEAL APPEARS HEREON CERTIFIES UNDER PENALTY OF LAW THAT THIS PLAN WAS PREPARED AFTER A SITE VISIT TO THE LOCATIONS DESCRIBED HEREIN BY HIMSELF OR HIS AUTHORIZED AGENT, UNDER HIS SUPERVISION.

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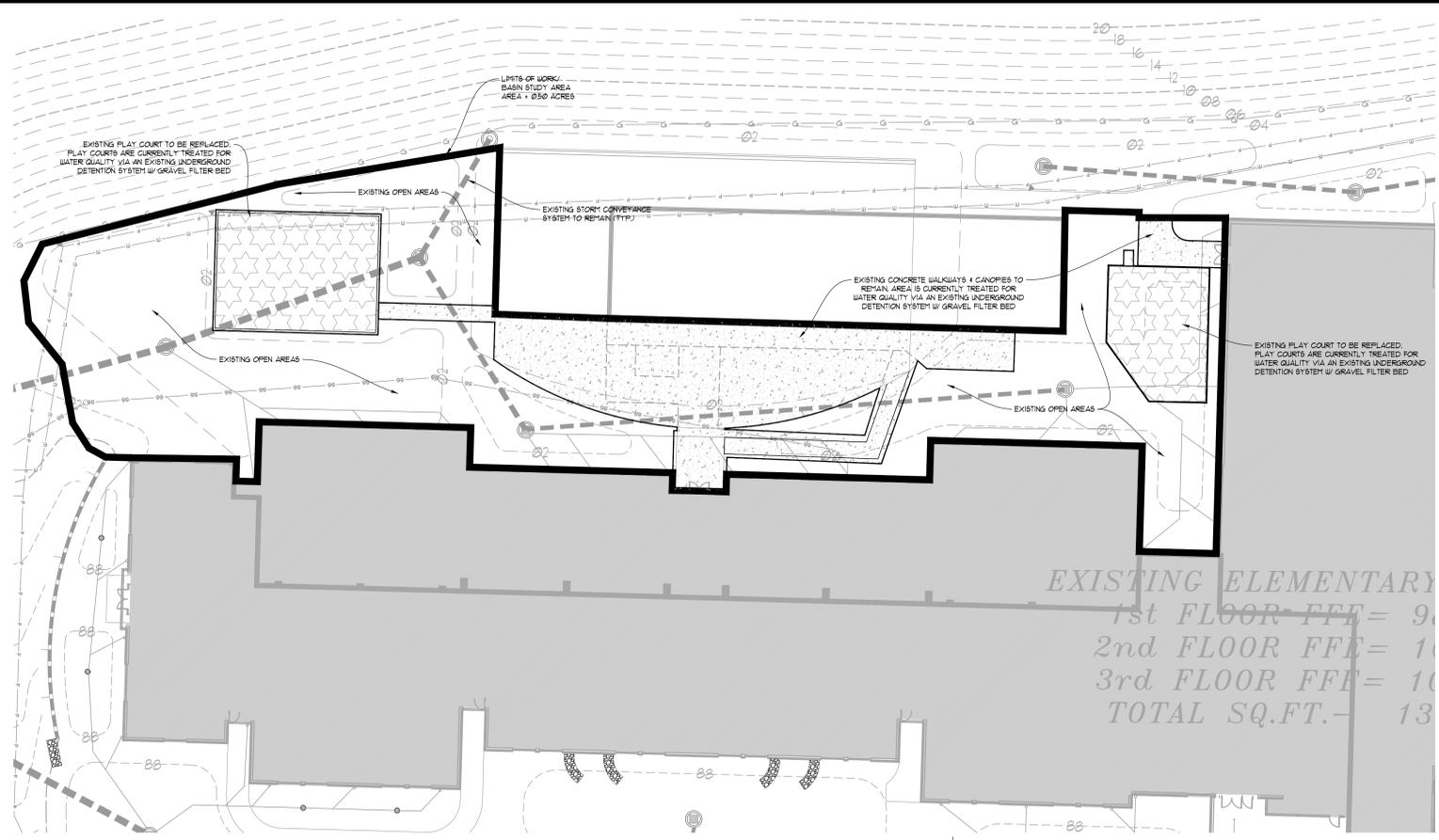
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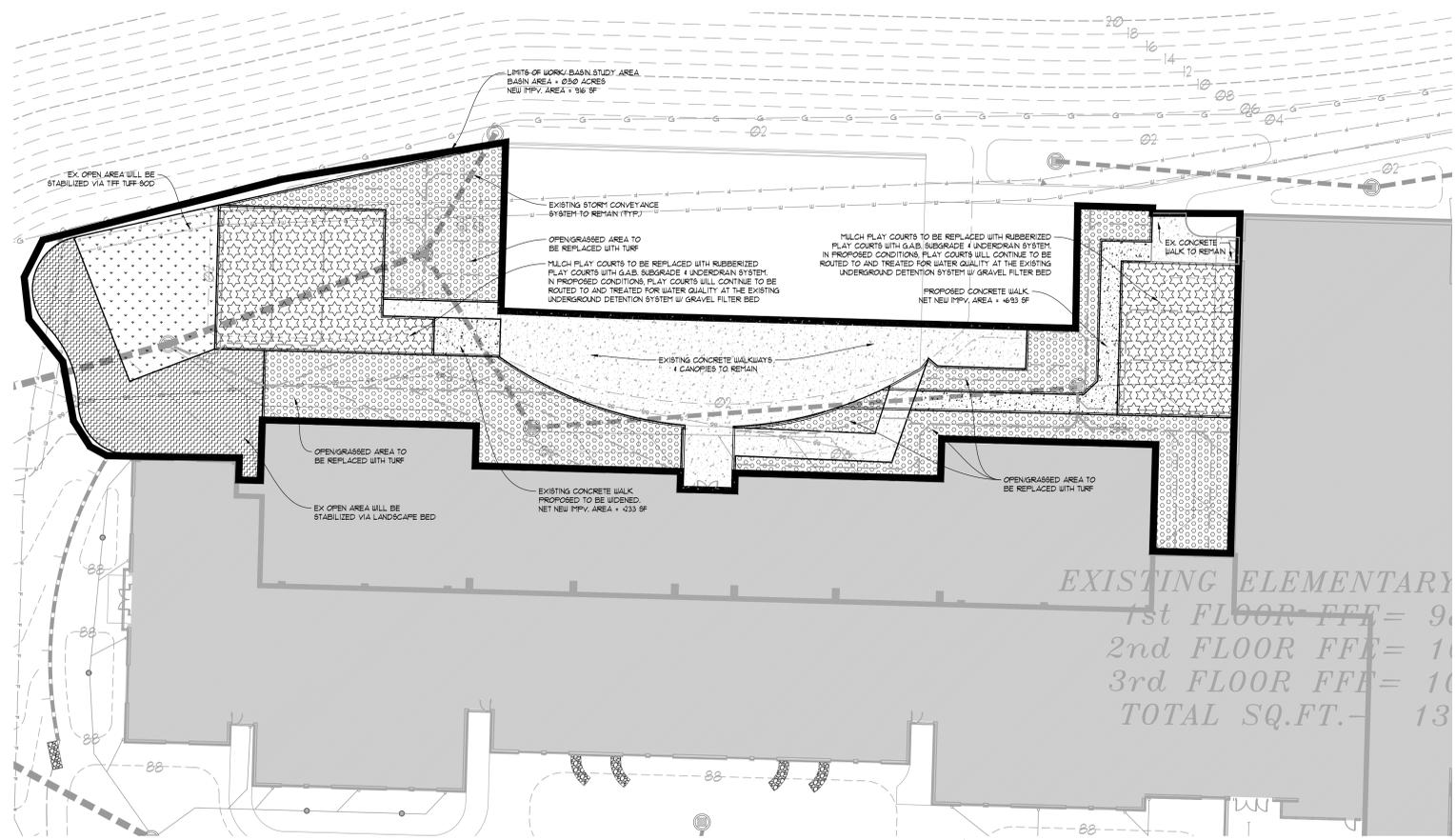
SITE GRADING & DRAINAGE PLAN 'A'

C300

SHEET#



LAKE FOREST ELEMENTARY SCHOOL EXISTING CONDITIONS MAP



LAKE FOREST ELEMENTARY SCHOOL PROPOSED CONDITIONS MAP

HYDROLOGY NARRATIVE

INTRODUCTION
 THIS PROJECT WILL INVOLVE APPROXIMATELY 0.50 ACRES OF WORK WHICH INCLUDES RENOVATING TWO MULCH PLAY COURTS WITH RUBBERIZED COURTS, CONSTRUCTION OF ADDITIONAL PEDESTRIAN WALKWAYS AND STABILIZING OPENGRASED AREAS WITH SOG, TURF AND LANDSCAPE BEDS. THE PURPOSE OF THIS STUDY IS TO SHOW THAT THE RENOVATION OF THE EXISTING SCHOOL PLAYGROUND AND CONSTRUCTION OF NEW CONCRETE WALKS WILL HAVE A NEGLIGIBLE IMPACT ON THE DRAINAGE PATTERNS OF THE SITE. THIS STUDY WILL DEFINE THE EXISTING AND PROPOSED DRAINAGE PATTERNS, THE RELEVANT SANDY SPRINGS FLOODWAY ORDINANCES, AND SHOW HOW THIS SITE MEETS THESE ORDINANCES. THIS STUDY WILL ONLY PERTAIN TO THE PROJECT AREA WITHIN THE OVERALL PARCEL.

EXISTING CONDITIONS
 THE EXISTING PARCEL IS 8.13 ACRES AND CONSISTS OF AN ELEMENTARY SCHOOL BUILDING, PARKING LOTS, PEDESTRIAN ACCESS ROUTES, ONE ABOVE GROUND AND TWO UNDERGROUND STORMWATER MANAGEMENT SYSTEMS, STORMWATER CONVEYANCE SYSTEMS, AND SEVERAL PLAY COURTS & PLAY FIELDS. THE SCHOOL SITE WAS DESIGNATED & CONSTRUCTED IN 2001-2008. OF THE 8.13 ACRES, THIS PROJECT WILL INVOLVE WORK WITHIN ONLY 0.50 ACRES OF THE SITE. THE ENTIRE PROJECT AREA FALLS WITHIN THE "POST 1 BASIN" & "POST 2 BASIN" IDENTIFIED IN THE 2007 HYDROLOGY REPORT. THE EXISTING 0.50 ACRE STUDY BASIN CONSISTS OF TWO MULCH PLAY COURTS (0.07 ACRES, CN = 61) & COVERED CONCRETE WALKWAY PLAY AREA (0.03 ACRES, CN = 98) AND OPEN SPACE (0.31 ACRES, CN = 61). THE EXISTING MULCH COURTS WERE STUDIED AS IMPERVIOUS SURFACES IN THE 2007 HYDROLOGY REPORT AND ARE CURRENTLY CONVEYED TO A COUNSTREAM UNDERGROUND DETENTION SYSTEM & TREATED FOR WATER QUALITY WITH A GRAVEL FILTER BED. THE CONCRETE SURFACES ARE CONVEYED TO THE SAME UNDERGROUND SYSTEM AND TREATED FOR WATER QUALITY IN THE SAME GRAVEL FILTER BED. THE EXISTING CURVE NUMBER OF THE PROJECT AREA IS 76. THE EXISTING CURVE NUMBER OF THE OVERALL DRAINAGE BASIN (IDENTIFIED IN THE 2007 HYDROLOGY REPORT) IS 82.

PROPOSED CONDITIONS
 THIS PROJECT WILL INCLUDE REPLACING THE EXISTING MULCH COURTS WITH NEW RUBBERIZED PLAY COURTS, CONSTRUCTING NEW CONCRETE WALKWAYS AND STABILIZING OPEN AREAS WITH SOG, TURF, AND LANDSCAPE BEDS. THE NEW RUBBERIZED PLAY COURTS WILL HAVE SIMILAR FOOTPRINTS (0.09 ACRES) TO THE EXISTING MULCH COURTS (0.07 ACRES) AND WILL HAVE SIMILAR SUBGRADE CONDITIONS. A GAS BED WITH UNDERDRAN SYSTEMS AND CONVEYANCE TO A NEARBY STORM STRUCTURE. THE SOG & LANDSCAPE BEDS (0.10 ACRES) WILL BE STUDIED AS OPEN SPACE AND WILL HAVE A CURVE NUMBER OF 61. THE TURF SURFACES (0.19 ACRES) WILL BE PERVIOUS WITH AN 8" GRAVEL FILTER BED TO ALLOW RUNOFF TO INFILTRATE NATURALLY INTO THE SOIL. THE GRAVEL FILTER BEDS WILL BE PROVIDED WITH PERFORATED HDPE UNDERDRANS SO THAT LARGER STORM EVENTS WILL BE CONVEYED TO NEARBY STORM STRUCTURES AND DETAINED IN THE EXISTING COUNSTREAM UNDERGROUND SYSTEM. THESE AREAS WERE STUDIED AS HAVING A CURVE NUMBER OF 61 DUE TO THEIR PERVIOUS NATURE. THE NEW CONCRETE AREAS WERE STUDIED AS IMPERVIOUS (CN = 98) AND WILL INCLUDE THE ADDITION OF ONLY 916 SF OF CONCRETE. THE CURVE NUMBER OF THE PROJECT AREA IN POST-DEVELOPMENT CONDITIONS WILL BE 76. THE CURVE NUMBER OF THE OVERALL DRAINAGE BASIN IN POST-DEVELOPMENT CONDITIONS WILL REMAIN 82, EVEN WITH THE ADDITIONAL CONCRETE SURFACES & SLIGHTLY LARGER PLAY COURTS.

CONCLUSION
 THE SANDY SPRINGS DEVELOPMENT CODE STATES THAT THE STORMWATER MANAGEMENT STANDARDS ARE APPLICABLE TO DEVELOPMENTS THAT INVOLVE THE CREATION OF 1000 SF OR MORE OF IMPERVIOUS COVER. BECAUSE THIS SITE INCLUDES THE ADDITION OF ONLY 916 SF OF IMPERVIOUS CONCRETE SURFACES, THIS PROJECT WILL NOT REQUIRE ANY ADDITIONAL STORMWATER TREATMENT MECHANISMS. IN ADDITION TO ADDING LESS THAN 1000 SF OF IMPERVIOUS CONCRETE, THIS PROJECT WILL NOT INCREASE THE CURVE NUMBER OF THE OVERALL DRAINAGE BASIN. THIS PROJECT IS EXPECTED TO HAVE A NEGLIGIBLE IMPACT ON THE DRAINAGE PATTERNS & PEAK FLOWS IN THE OVERALL DRAINAGE BASIN. REFER TO PRE & POST DEVELOPMENT BASIN CHARACTERISTICS TABLES BELOW IN THE 2007 HYDROLOGY STUDY. PLAY COURTS WERE LUMPED INTO THE IMPERVIOUS AREA NUMBERS FOR THE PURPOSES OF THIS STUDY. THE PLAY COURTS HAVE BEEN SHOWN AS A SEPARATE COLUMN WITH CN = 98. REFER TO TURF & PLAY COURT DETAILS ON CDSD FOR ADDITIONAL INFORMATION ON SURFACE & SUBSURFACE CONDITIONS. REFER TO THE SPAL BELOW FOR INFORMATION ON THE PRELIMINARY STORMWATER CONCEPT DISCUSSIONS WITH THE CITY OF SANDY SPRINGS.

PRE-DEVELOPMENT									
Basin	Area (acres)	Woods	Open Space	Play Courts	Impv.	Future Impv.	T.C.N	T.O.C. (min.)	
Pre	0.50		0.31	0.07	0.12	0.00	75	5.00	
Pre Overall	5.32	0.12	2.14	0.07	2.99	0.00	82	6.88	

POST-DEVELOPMENT									
Basin	Area (acres)	Woods	Open Space	Play Courts	Impv.	Turf	CN	T.O.C. (min.)	
Post	0.50		0.09	0.09	0.14	0.19	78	5.00	
Post Overall	5.32	0.12	1.92	0.09	3.01	0.18	82	6.88	

STORMWATER MEETING MINUTES

From: Dustin Pinson
 Sent: Wednesday, February 27, 2019 2:12 PM
 To: 'Quinones, Gilbert'
 Cc: Kyle Webb
 Subject: Lake Forest Elementary School Stormwater Summary

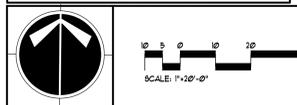
Good afternoon Gilbert,
 Per our meeting today, I wanted to provide a summary of our project & today's discussions so we have record when permitting. Please see below:

- This is a small playground renovation at Lake Forest Elementary School consisting of 0.50 acres of work.
- Renovations will include providing new rubberized play courts in place of the existing mulch play courts, providing new concrete walkways, and replacing some open areas with turf and some open areas with vegetation.
- While the play court surfaces will be different, the subsurface drainage will be the same - a gravel bed w/ an underdrain conveying infiltration to a nearby storm structure.
- An underground detention system is currently providing water quality treatment to the existing play courts. In post-construction conditions, this will remain true for the new play courts.
- The new concrete walkways will not exceed 1,000 S.F. Thus, no new water quality treatment or stormwater detention is being proposed.
- We will provide a detail/specs from the turf manufacturer with our drawings to show the surface/subsurface drainage conditions of the turf.

Please let me know if I've missed anything. Thank you again for taking the time to meet with us today!

Dustin Pinson, E.I.T.
 Breedlove Land Planning, Inc.
 Main: 770-483-1173
 Direct: 706-395-1548
 Website: www.landplanning.net

24-HOUR CONTACT
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sciccio@sandyspringsga.gov
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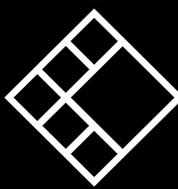
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CONSULTANT
 SEAL
 04.16.2019

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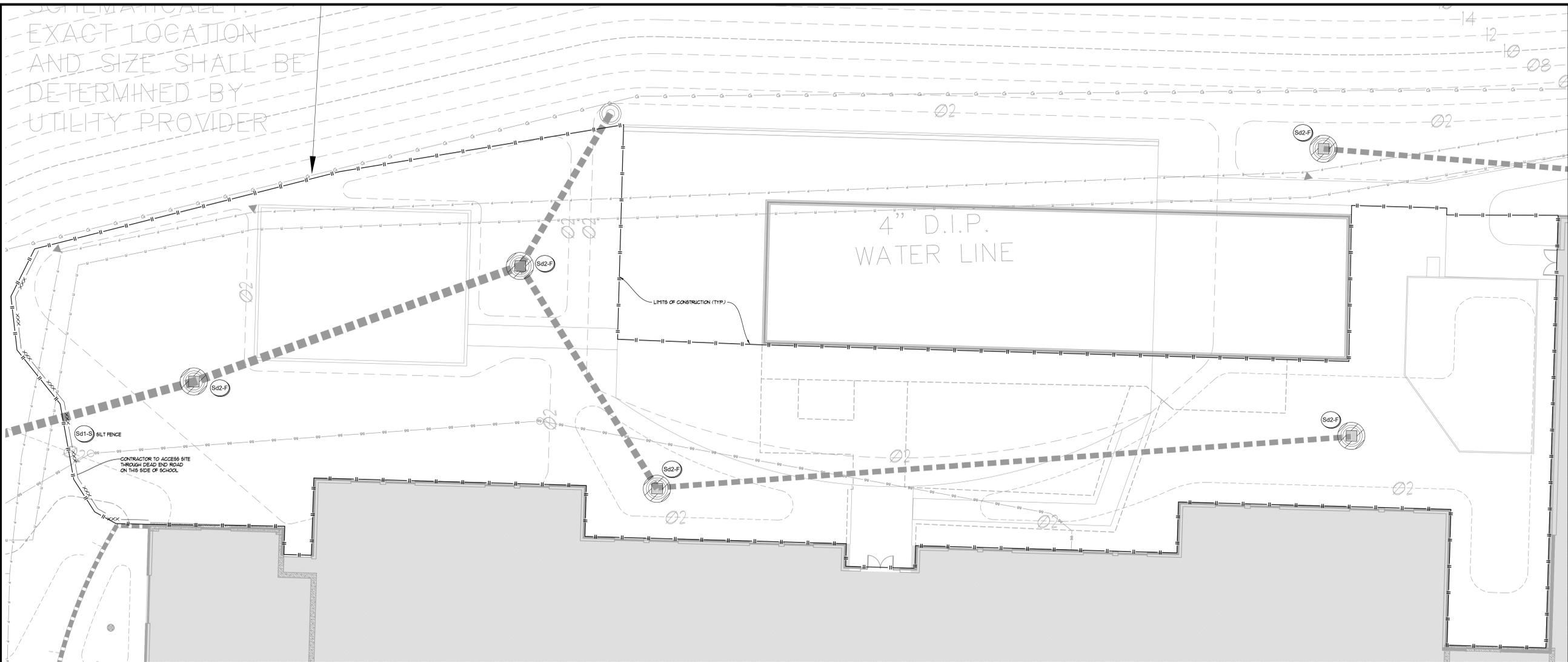
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HYDROLOGY MAPS/ NARRATIVE
 SHEET TITLE
C310
 SHEET#



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

CODE	PRACTICE	MAP SYMBOL	CODE	PRACTICE	MAP SYMBOL
Cd	CHECKDAM		Sr	TEMPORARY STREAM CROSSING	
Ch	CHANNEL STABILIZATION		St	STORMDRAIN OUTLET PROTECTION	
Co	CONSTRUCTION EXIT		Su	SURFACE ROUGHENING	
Cr	CONSTRUCTION ROAD STABILIZATION		Tc	TURBIDITY CURTAIN	
Dc	STREAM DIVERSION CHANNEL		Tp	TOPSOILING	
Di	DIVERSION		Tr	TREE PROTECTION	
Dn1	TEMPORARY DOWNSTREAM STRUCTURE		Wt	VEGETATED WATERWAY OR STORMWATER CONVEYANCE CHANNEL	
Dn2	PERMANENT DOWNSTREAM STRUCTURE				
Fr	FILTER RING				
Ga	GABION				
Gr	GRADE STABILIZATION STRUCTURE				
Lv	LEVEL SPREADER				
Rd	ROCK FILTER DAM				
Re	RETAINING WALL				
Rt	RETRO FITTING				
Sd1	SEDIMENT BARRIER				
Sd2	INLET SEDIMENT TRAP				
Sd3	TEMPORARY SEDIMENT BASIN				
Sd4	TEMPORARY SEDIMENT TRAP				
Sk	FLOATING SURFACE SKIMMER				
Spb	SEEP BERM				

EROSION CONTROL GENERAL NOTES

1. NOTIFY CITY/COUNTY INSPECTORS 24 HOURS BEFORE BEGINNING OF EVERY CONSTRUCTION PHASE.
2. ALL BUFFERS AND TREE SAVE AREAS SHALL BE CLEARLY IDENTIFIED BY FLAGGING AND/OR FENCING PRIOR TO COMMENCEMENT OF ANY LAND DISTURBANCE.
3. THE INSTALLATION OF EROSION AND SEDIMENTATION CONTROL MEASURES AND PRACTICES SHALL OCCUR PRIOR TO OR CONCURRENT WITH LAND DISTURBING ACTIVITIES AND CONSTRUCTION ON THE SITE AND MAINTAINED UNTIL PERMANENT GROUND COVER IS ESTABLISHED.
4. ALL SEDIMENT BARRIERS SHALL BE INSTALLED PRIOR TO ANY GRADING.
5. SEDIMENT BARRIER DEVICES SHALL BE INSPECTED AND REPAIRED OF DAMAGE DAILY. ANY ACCUMULATED SEDIMENT SHALL BE REMOVED AND SPREAD ON SITE.
6. ALL DISTURBED AREAS SHALL BE GRABBED AS SOON AS CONSTRUCTION PHASE PERMITS.
7. EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE MAINTAINED AT ALL TIMES. ADDITIONAL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSTALLED IF DEEMED NECESSARY BY ON-SITE INSPECTION OR AS REQUIRED BY COUNTY.
8. MAINTENANCE OF ALL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES AND PRACTICES WHETHER TEMPORARY OR PERMANENT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
9. ANY DISCREPANCY BETWEEN THIS SHEET AND OTHERS IN THIS SET SHALL BE REFERRED TO THE ARCHITECT BY THE CONTRACTOR FOR CLARIFICATION BEFORE PROCEEDING WITH THE WORK.
10. SEDIMENT STORAGE LEVEL MARKERS MUST BE INSTALLED IN SEDIMENT STORAGE STRUCTURES, INDICATING THE 1/3 FULL VOLUME.
11. MAXIMUM CUT OR FILL SLOPE IS (2/1) 2' HORIZONTAL TO 1' VERTICAL.
12. CONTRACTOR SHALL PROVIDE TEMPORARY DOWN DRAINS ON FILL SLOPES TO PREVENT EROSION PRIOR TO STABILIZATION.
13. CONTRACTOR SHALL REMOVE ACCUMULATED SEDIMENT FROM DETENTION BASIN AT END OF CONSTRUCTION WHEN ALL DISTURBED AREAS HAVE BEEN FULLY STABILIZED.
14. THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO LAND DISTURBING ACTIVITIES.
15. 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 CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.
16. ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

ES&PC DESIGN PROFESSIONAL'S CERTIFICATION STATEMENT

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

Signed: *Kathryn A. Medina* DATE: 04-16-19

CERTIFIED DESIGN PROFESSIONAL: KATHRYN A. MEDINA
 GS&PC CERTIFICATION NO. 00000002016
 EXPIRATION DATE: 04-14-2020
 BREEDLOVE LAND PLANNING, INC.

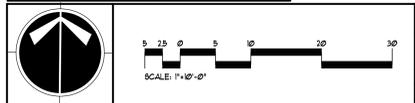
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VEGETATIVE PRACTICES

CODE	PRACTICE	MAP SYMBOL
Bf	BUFFER ZONE	
Cs	COASTAL DUNE STABILIZATION (WITH VEGETATION)	
Ds1	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)	
Ds2	DISTURBED AREA STABILIZATION (WITH TEMP. SEEDING)	
Ds3	DISTURBED AREA STABILIZATION (WITH PERM. SEEDING)	
Ds4	DISTURBED AREA STABILIZATION (SEEDING)	
Du	BUST CONTROL ON DISTURBED AREAS	
Fl-Cd	FLOCCULANTS AND COAGULANTS	
Sb	STREAMBANK STABILIZATION (USING PERM. VEGETATION)	
Ss	SLOPE STABILIZATION	
Tac	TACKERS AND BINDERS	

24-HOUR CONTACT
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 770-238-8062



CAUTION

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LANDSCAPE ARCHITECTS

Civil Engineers

Breedlove Land Planning, Inc.

Atlanta, GA 30808 Phone: 770-483-1173 www.landplanning.net

15 Simpson St. NW Sandy Springs, GA 30328

Lake Forest Elementary Recreational Improvements
5920 Sandy Springs Circle

C410

CONSULTANT

SEAL

REVISIONS

No.	DATE	DESCRIPTION

RELEASED FOR CONSTRUCTION

SUBMITTALS

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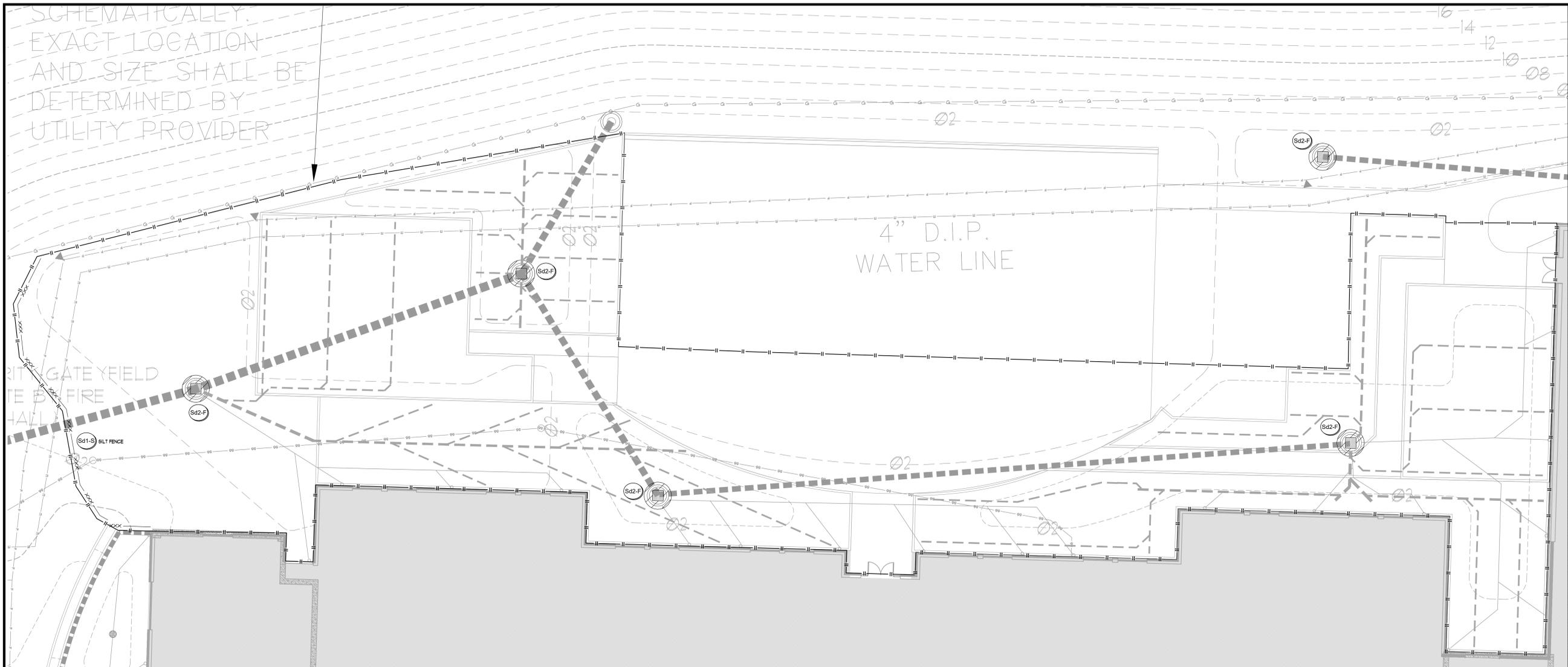
BLP, INC. PROJECT NO: 18136
 DATE: 01-18-2019
 DRAWING BY: KAM
 CHECKED BY: HOB

SITE ES&PC INITIAL PHASE PLAN 'A'

C410

SHEET TITLE

SHEET#



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

CODE	PRACTICE	MAP SYMBOL
Cd	CHECKDAM	
Ch	CHANNEL STABILIZATION	
Co	CONSTRUCTION EXIT	
Cr	CONSTRUCTION ROAD STABILIZATION	
Dc	STREAM DIVERSION CHANNEL	
Di	DIVERSION	
Dn1	TEMPORARY DOWNDRAIN STRUCTURE	
Dn2	PERMANENT DOWNDRAIN STRUCTURE	
Fr	FILTER RING	
Ga	GABION	
Gr	GRADE STABILIZATION STRUCTURE	
Lv	LEVEL SPREADER	
Rd	ROCK FILTER DAM	
Re	RETAINING WALL	
Rt	RETRO FITTING	
Sd1	SEDIMENT BARRIER	
Sd2	INLET SEDIMENT TRAP	
Sd3	TEMPORARY SEDIMENT BASIN	
Sd4	TEMPORARY SEDIMENT TRAP	
Sk	FLOATING SURFACE SKIMMER	
Spb	SEEP BERM	

CODE	PRACTICE	MAP SYMBOL
Sr	TEMPORARY STREAM CROSSING	
St	STORMDRAIN OUTLET PROTECTION	
Su	SURFACE ROUGHENING	
Tc	TURBIDITY CURTAIN	
Tp	TOPSOILING	
Tr	TREE PROTECTION	
Wt	VEGETATED WATERWAY OR STORMWATER CONVEYANCE CHANNEL	

VEGETATIVE PRACTICES

CODE	PRACTICE	MAP SYMBOL
Bf	BUFFER ZONE	
Cs	COASTAL DUNE STABILIZATION (WITH VEGETATION)	
Ds1	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)	
Ds2	DISTURBED AREA STABILIZATION (WITH TEMP SEEDING)	
Ds3	DISTURBED AREA STABILIZATION (WITH PERM SEEDING)	
Ds4	DISTURBED AREA STABILIZATION (SEEDING)	
Du	DUST CONTROL ON DISTURBED AREAS	
Fi-Co	FLOCCULANTS AND COAGULANTS	
Sb	STREAMBANK STABILIZATION (USING PERM VEGETATION)	
Ss	SLOPE STABILIZATION	
Tac	TACKERS AND BINDERS	

EROSION CONTROL GENERAL NOTES

- NOTIFY CITY/COUNTY INSPECTORS 24 HOURS BEFORE BEGINNING OF EVERY CONSTRUCTION PHASE.
- ALL BUFFERS AND TREE SAVE AREAS SHALL BE CLEARLY IDENTIFIED BY FLAGGING AND/OR FENCING PRIOR TO COMMENCEMENT OF ANY LAND DISTURBANCE.
- THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES SHALL OCCUR PRIOR TO OR CONCURRENT WITH LAND DISTURBING ACTIVITIES AND CONSTRUCTION ON THE SITE AND MAINTAINED UNTIL PERMANENT GROUND-COVER IS ESTABLISHED.
- ALL SEDIMENT BARRIERS SHALL BE INSTALLED PRIOR TO ANY GRADING.
- SEDIMENT BARRIER DEVICES SHALL BE INSPECTED AND REPAIRED OF DAMAGE DAILY. ANY ACCUMULATED SEDIMENT SHALL BE REMOVED AND SPREAD ON SITE.
- ALL DISTURBED AREAS SHALL BE GRASSED AS SOON AS CONSTRUCTION PHASE PERMITS.
- EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE MAINTAINED AT ALL TIMES. ADDITIONAL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSTALLED IF DETERMINED NECESSARY BY ON-SITE INSPECTION OR AS REQUIRED BY COUNTY.
- MAINTENANCE OF ALL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES AND PRACTICES WHETHER TEMPORARY OR PERMANENT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- ANY DISCREPANCY BETWEEN THIS SHEET AND OTHERS IN THIS SET SHALL BE REFERRED TO THE ARCHITECT BY THE CONTRACTOR FOR CLARIFICATION BEFORE PROCEEDING WITH THE WORK.
- SEDIMENT STORAGE LEVEL MARKERS MUST BE INSTALLED IN SEDIMENT STORAGE STRUCTURES INDICATING THE 1/3 FULL VOLUME.
- MAXIMUM CUT OR FILL SLOPE IS (3:1) VERTICAL TO 1 HORIZONTAL.
- CONTRACTOR SHALL PROVIDE TEMPORARY DOWN DRAINS ON FILL SLOPES TO PREVENT EROSION PRIOR TO STABILIZATION.
- CONTRACTOR SHALL REMOVE ACCUMULATED SEDIMENT FROM DETENTION BASIN AT END OF CONSTRUCTION WHEN ALL DISTURBED AREAS HAVE BEEN FULLY STABILIZED.
- THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO LAND DISTURBING ACTIVITIES.
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- ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

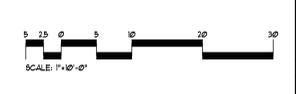
ES&PC DESIGN PROFESSIONAL'S CERTIFICATION STATEMENT

I CERTIFY UNDER PENALTY OF LAW THAT THIS PLAN WAS PREPARED AFTER A SITE VISIT TO THE LOCATIONS DESCRIBED HEREIN BY MYSELF OR MY AUTHORIZED AGENT, UNDER MY SUPERVISION.
 SIGNED: *Kathryn A. Medina* DATE: 04-16-19
 CERTIFIED DESIGN PROFESSIONAL, KATHRYN A. MEDINA
 GSUCC CERTIFICATION NO. 02000060226
 EXPIRATION DATE: 04-14-2020
 BREEDELOVE LAND PLANNING, INC.

CITY OF SANDY SPRINGS NOTES

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24-HOUR CONTACT
Steve Ciaccio
Parks and Rec Sandy Springs
sciaccio@sandyspringsga.gov
770-238-8062



DO NOT DUPLICATE DRAWINGS WITHOUT WRITTEN PERMISSION

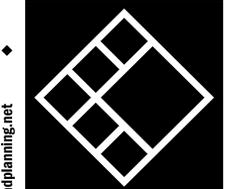
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CONSULTANT
SEAL

LAKE FOREST ELEMENTARY RECREATIONAL IMPROVEMENTS
5920 SANDY SPRINGS CIRCLE
SANDY SPRINGS, GA 30328

REVISIONS

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SUBMITTALS

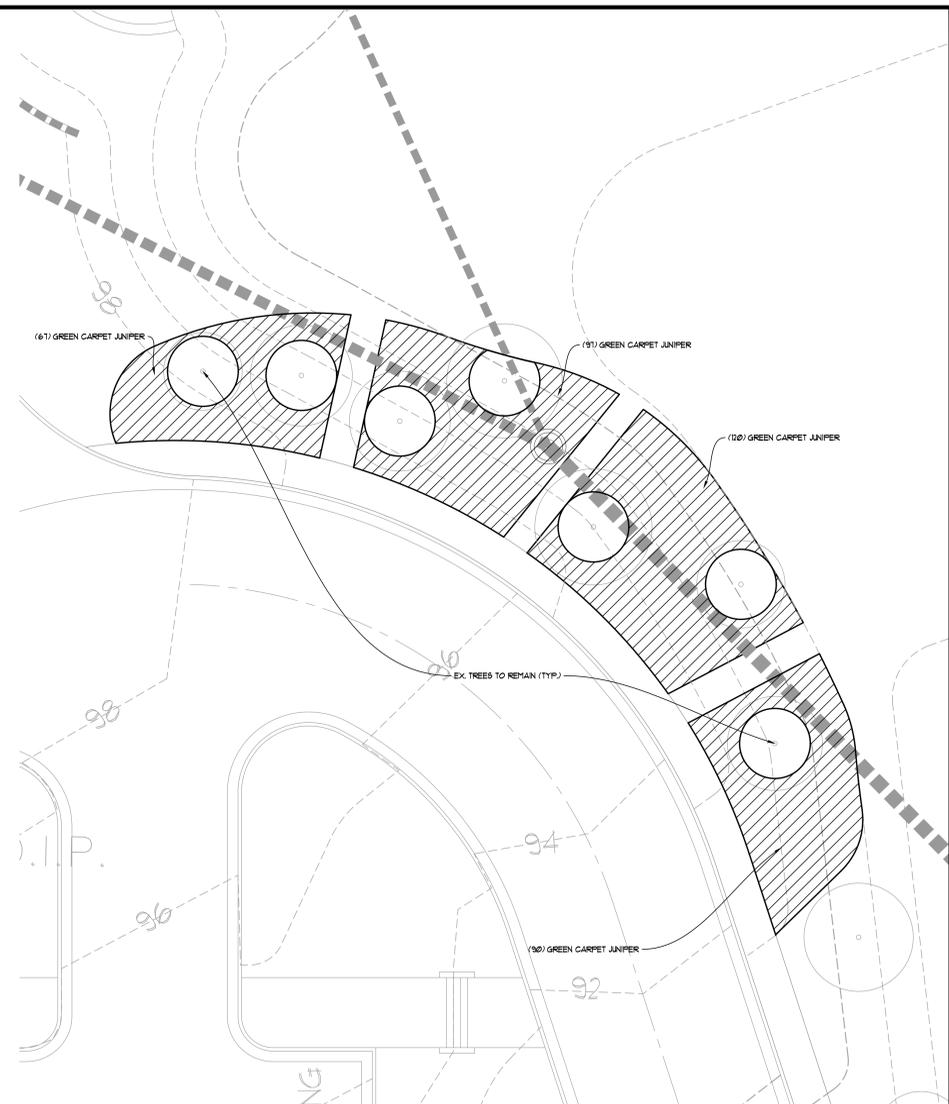
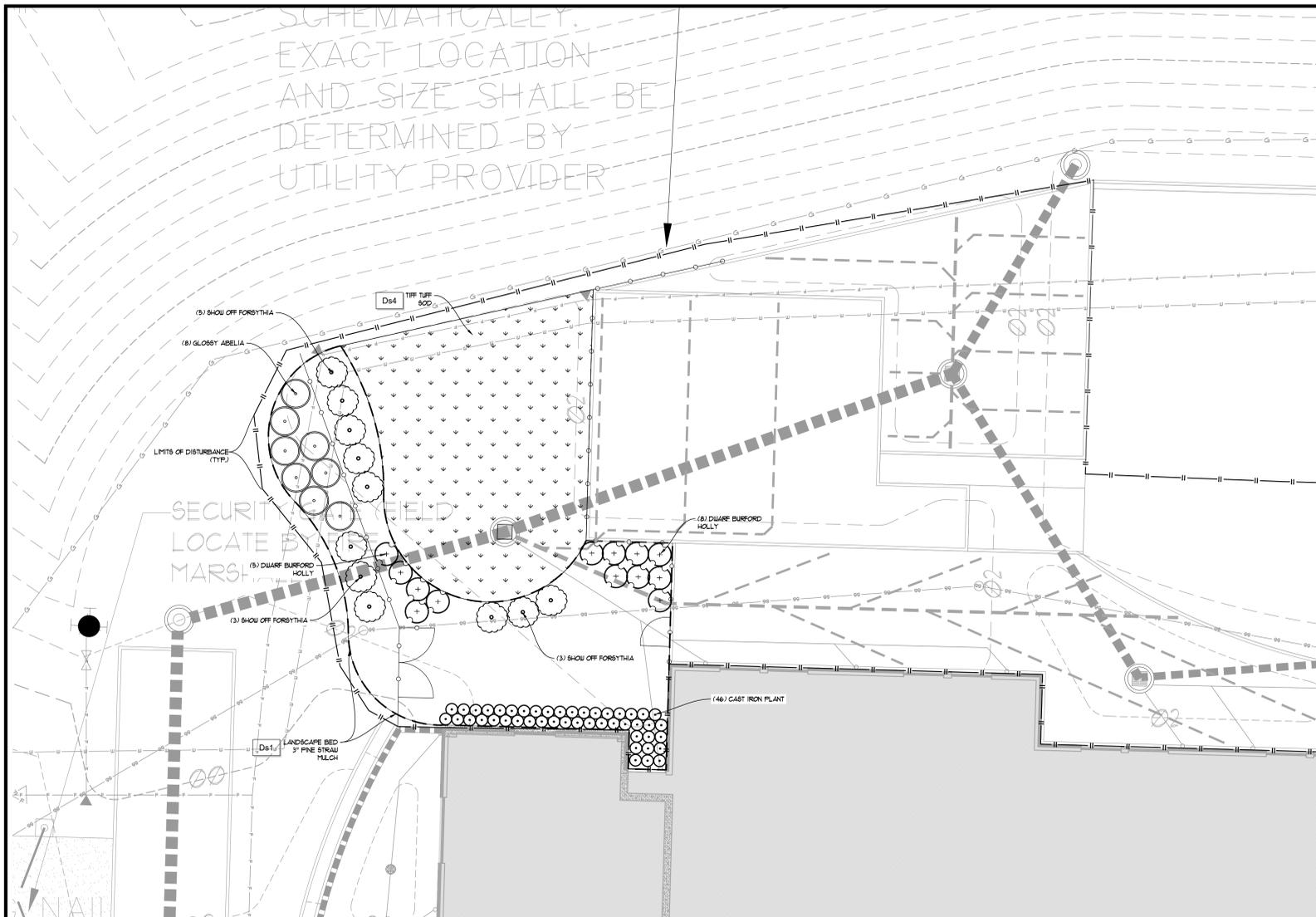
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BLP, INC. PROJECT NO: 18136
 DATE: 01-18-2019
 DRAWING BY: KAM
 CHECKED BY: HOB

SITE ES&PC INTERMEDIATE PHASE PLAN 'A'

C411 SHEET#

Landscape Architects
 Breedlove Land Planning, Inc.
 Civil Engineers
 Atlanta, GA 30808
 Phone: 770-483-1173
 www.landplanning.net



GEORGIA UNIFORM CODING SYSTEM FOR SOIL EROSION AND SEDIMENT CONTROL PRACTICES

GEORGIA SOIL AND WATER CONSERVATION COMMISSION STRUCTURAL PRACTICES

CODE	PRACTICE	MAP SYMBOL
Cd	CHEDDAM	
Ch	CHANNEL STABILIZATION	
Co	CONSTRUCTION EXIT	
Cr	CONSTRUCTION ROAD STABILIZATION	
Dc	STREAM DIVERSION CHANNEL	
Di	DIVERSION	
Dn1	TEMPORARY DOWNDRAIN STRUCTURE	
Dn2	PERMANENT DOWNDRAIN STRUCTURE	
Fr	FILTER RING	
Ga	GABION	
Gr	GRADE STABILIZATION STRUCTURE	
Lv	LEVEL SPREADER	
Rd	ROCK FILTER DAM	
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Rt	RETRO FITTING	
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Sd3	TEMPORARY SEDIMENT BASIN	
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Ds4	DISTURBED AREA STABILIZATION (COOING)	
Du	DUST CONTROL ON DISTURBED AREAS	
Fl-Co	FLOCCULANTS AND COAGULANTS	
Sb	STREAMBANK STABILIZATION (USING PERM VEGETATION)	
Ss	SLOPE STABILIZATION	
Tac	TACKERS AND BINDERS	

SITE ES&PC FINAL PHASE PROJECT AREA 'A'

- #### CITY OF SANDY SPRINGS NOTES
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PLANTING SCHEDULE

BOTANICAL NAME	COMMON NAME	QTY.	SIZE	REMARKS
ILEX CORNUTA DWARF BURFORD	DWARF BURFORD HOLLY	15	3 GAL.	40" OC. FULL HEAD SPECIMEN
ABELIA X GRANDIFLORA	GLOSSY ABELIA	8	3 GAL.	50" OC. FULL HEAD SPECIMEN
ASPIDISTRA ELATOR	CAST IRON PLANT	46	1 GAL.	20" OC. FULL HEAD SPECIMEN
JUNIPER COMMENS GREEN CARPET	GREEN CARPET JUNIPER	374	1 GAL.	15" OC. FULL HEAD SPECIMEN
HYDRANGEA QUERCIFOLIA	SHOU OFF FORSYTHIA	1	3 GAL.	60" OC. FULL HEAD SPECIMEN

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SIGNED: *Kathryn A. Medina* DATE: 04-14-2019
 CERTIFIED DESIGN PROFESSIONAL: KATHRYN A. MEDINA
 GEORGIA CERTIFICATION NO. 00000000206
 EXPIRATION DATE: 04-14-2020
 EMPLOYER: BREDLOVE LAND PLANNING, INC.

PLANTING PLAN PROJECT AREA 'B'

24-HOUR CONTACT
 Steve Ciccio
 Parks and Rec Sandy Springs
 sciccio@sandyspringsga.gov
 770-238-8062

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www.landplanning.net
 Phone: 770-483-1173
 Atlanta, GA 30808

Civil Engineers

15 Simpson St. NW

SEAL

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 5920 SANDY SPRINGS CIRCLE
 SANDY SPRINGS, GA 30328

REVISIONS		
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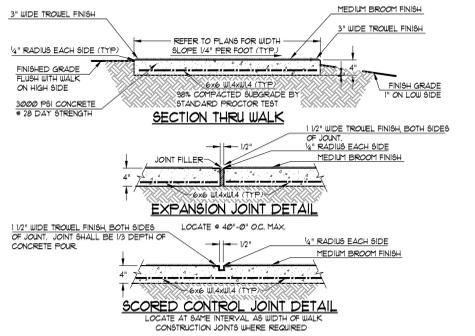
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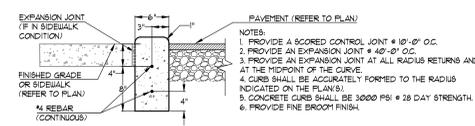
BLP, INC. PROJECT NO: 18136
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 DRAWING BY: NAM
 CHECKED BY: HOB

SITE ES&PC FINAL PHASE PLAN 'A', PLANTING PLAN AREA 'B'

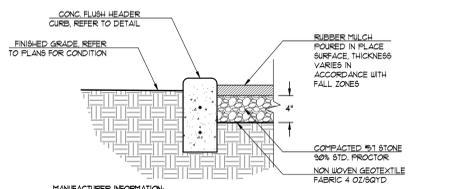
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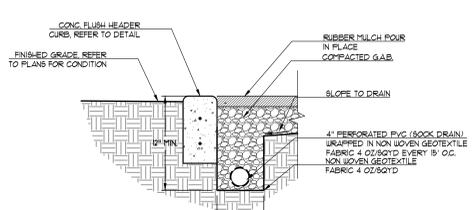
1 CONCRETE WALK NOT TO SCALE



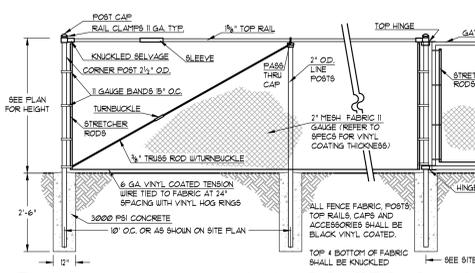
2 CONCRETE FLUSH HEADER CURB NOT TO SCALE



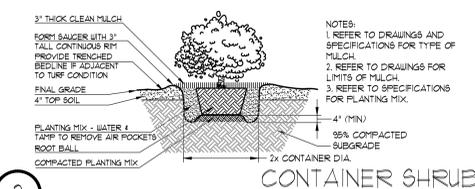
3 RUBBERIZED PLAYGROUND SURFACE NOT TO SCALE



4 PLAYGROUND DRAINAGE CROSS-SECTION NOT TO SCALE



5 VINYL COATED CHAIN LINK FENCE NOT TO SCALE



6 CONTAINER SHRUB NOT TO SCALE

Nationwide Turf

PG55 Product Data

Description
PG55 is a tall pile turf constructed of a Monofilament polyethylene fiber. It is specifically designed for infill turf systems and can be used in golf fringe, landscape and athletic field applications. It should be installed with sufficient infill to maintain turf stability. It should be installed on compacted, stabilized soil or a crushed rock base.

Product Properties

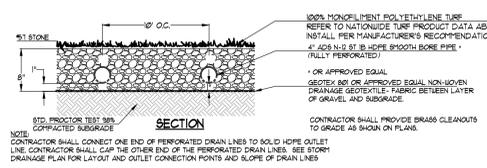
Property	Imperial Unit	Description
Fiber Type		100% Monofilament polyethylene
Fiber Mass	10800	
Pile Height	Denier	1.50 inch
Color (s)		FG/OL with two color thatch
Turfing Gauge	1/2 in	
Stitch Rate	as needed	
Primary Backing	4 oz/yd	Stabilized Dual Layered woven polypropylene
Secondary Backing	28 oz/yd	Polyurethane

Performance Properties

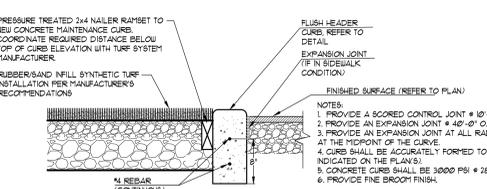
Property	Imperial Unit	Test Method
Face Weight	55 oz/yd	ASTM D418
Total Weight	83 oz/yd	ASTM D418
Permeability	92 in./hour	DIN 18-035, part 6
Turf Bind	8 lb.-f	ASTM D1335
Grab Tear MD	200 lb.-f	ASTM D5034
Grab Tear CMB	200 lb.-f	ASTM D5034

Packaging

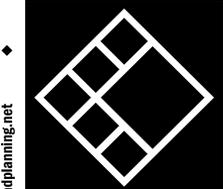
Property	Imperial Unit	Description
Product Name		Pg55, Playground55
Roll Width	15 ft	
Roll Length	as needed	
Area Per Roll		
Total Roll Weight		



7 GRAVEL BED W/ UNDERDRAIN SYSTEM NOT TO SCALE



8 SYNTHETIC TURF NOT TO SCALE



CONSULTANT



LAKE FOREST ELEMENTARY RECREATIONAL IMPROVEMENTS
5920 SANDY SPRINGS CIRCLE
SANDY SPRINGS, GA 30328

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BLP, INC. PROJECT NO: 18136
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CHECKED BY: HOB

SITE WORK CONSTRUCTION DETAILS

C500 SHEET#

24-HOUR CONTACT
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Parks and Rec Sandy Springs
sciaccio@sandyspringsga.gov
770-238-8062



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