

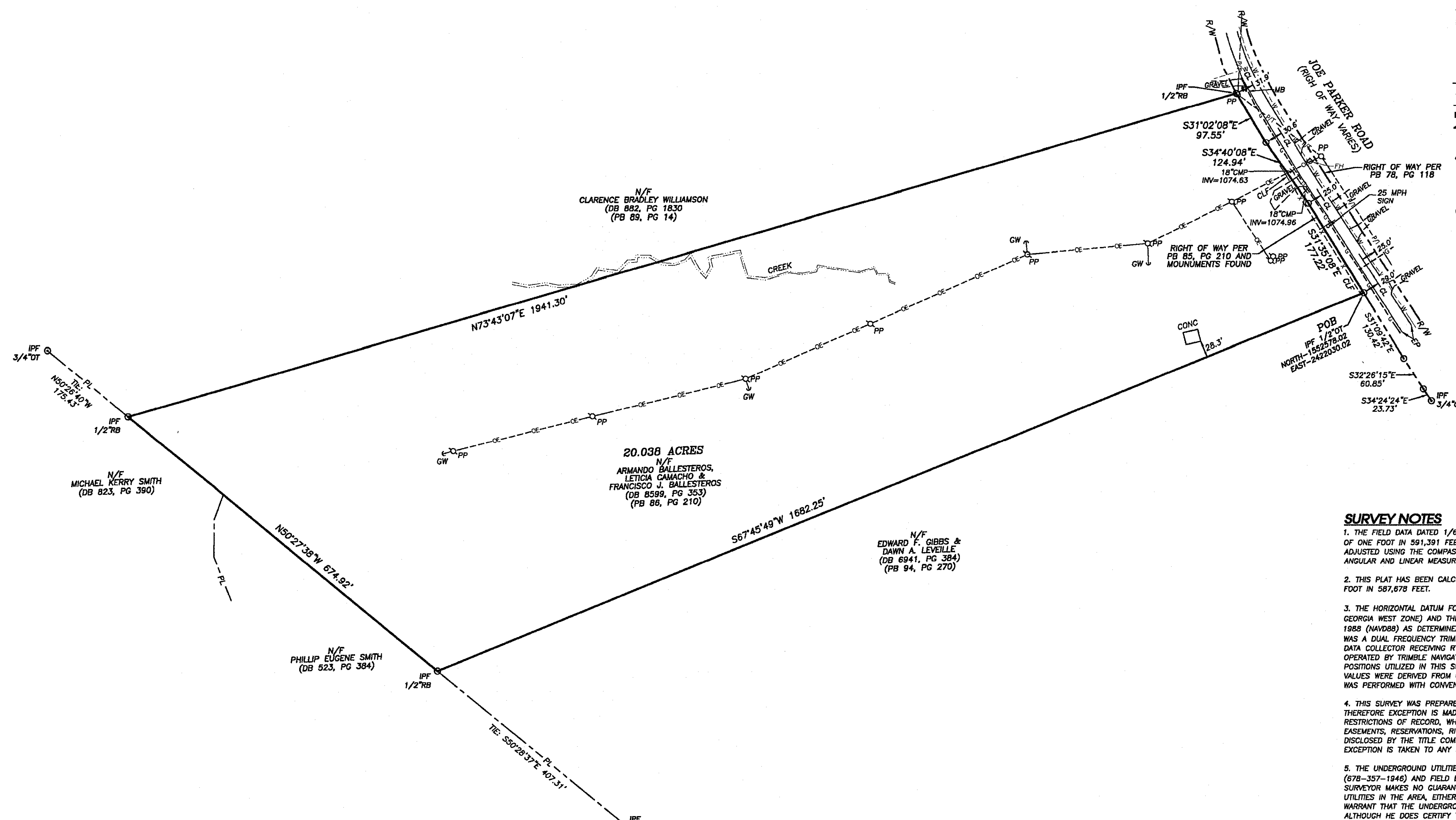
SURVEYORS CERTIFICATION

THIS PLAT IS A RETRACEMENT OF AN EXISTING PARCEL OR PARCELS OF LAND AND DOES NOT SUBDIVIDE OR CREATE A NEW PARCEL OR MAKE ANY CHANGES TO ANY REAL PROPERTY BOUNDARIES. THE RECORDING INFORMATION OF THE DOCUMENTS, MAPS, PLATS, OR OTHER INSTRUMENTS WHICH CREATED THE PARCEL OR PARCELS ARE STATED HEREON. RECORDATION OF THIS PLAT DOES NOT IMPLY APPROVAL OF ANY LOCAL JURISDICTION, AVAILABILITY OF PERMITS, COMPLIANCE WITH LOCAL REGULATIONS OR REQUIREMENTS, OR SUITABILITY FOR ANY USE OR PURPOSE OF THE LAND. FURTHERMORE, THE UNDERSIGNED LAND SURVEYOR CERTIFIES THAT THIS PLAT COMPLIES WITH THE MINIMUM TECHNICAL STANDARDS FOR PROPERTY SURVEYS IN GEORGIA AS SET FORTH IN THE RULES AND REGULATIONS OF THE GEORGIA BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND LAND SURVEYORS AND AS SET FORTH IN O.C.G.A. SECTION 15-6-67.

Robert S. Cleveland, PLS # 2884
 scleveland@rochester-assoc.com
 Rochester and Associates, LLC
 LSF-000484 EXPIRATION 6/30/2024
 www.rochester-assoc.com

1/9/2023
 DATE

THIS BLOCK RESERVED FOR THE CLERK OF THE SUPERIOR COURT



SYMBOLY

- ⊕ MISCELLANEOUS
- ⊙ BENCHMARK
- ⊗ BOUNDARY EVIDENCE FOUND
- ⊙ CURB INLET
- ⊙ CLEAN OUT STORM
- ⊙ CLEAN OUT SANITARY
- ⊙ COMMUNICATION MANHOLE
- ⊙ DROP INLET
- ⊙ DOUBLE-WING CATCH BASIN
- ⊙ FIRE DEPARTMENT CONNECTION
- ⊙ FIRE HYDRANT
- ⊙ FLARED END SECTION
- ⊙ GAS METER
- ⊙ GAS REGULATOR
- ⊙ GAS VALVE
- ⊙ GENERATOR
- ⊙ GREASE TRAP
- ⊙ HEADWALL
- ⊙ IRRIGATION CONTROL VALVE
- ⊙ JUNCTION BOX
- ⊙ LIGHT POLE
- ⊙ MAILBOX
- ⊙ MONUMENT
- ⊙ OVERFLOW CONTROL STRUCTURE
- ⊙ POWER BOX
- ⊙ POWER METER
- ⊙ POWER POLE
- ⊙ SANITARY MANHOLE
- ⊙ SIGN
- ⊙ SINGLE-WING CATCH BASIN
- ⊙ SINGLE-WING CATCH BASIN
- ⊙ TELEPHONE BOX
- ⊙ TRANSFORMER
- ⊙ TRAFFIC SIGNAL POLE
- ⊙ WATER MANHOLE
- ⊙ WATER METER
- ⊙ WATER VALVE
- ⊙ WATER VAULT
- ⊙ WEIR INLET

LEGEND

- AI - ANGLE IRON FOUND
- AKA - ALSO KNOWN AS
- BC - BACK OF CURB
- BL - BUILDING SETBACK LINE
- BWF - BARBED WIRE FENCE
- C&G - CURB & CUTTER
- CBX - CABLE BOX
- CCM - CONCRETE NAIL
- CTP - CRIMP TOP PIPE
- CI - CURB INLET
- CL - CENTER LINE
- CLF - CHAIN LINK FENCE
- CMF - CONCRETE MONUMENT FOUND
- CMP - CORRUGATED METAL PIPE
- CO - CLEANOUT
- CONC - CONCRETE
- CTP - CRIMP TOP PIPE FOUND
- DB,PG - DEED BOOK, PAGE
- DE - DRAINAGE EASEMENT
- DI - DROP INLET
- DIP - DUCTILE IRON PIPE
- DIR - DIRECTION
- DWCB - DOUBLE-WING CATCH BASIN
- EP - EDGE OF PAVEMENT
- FES - FLARED END SECTION
- FFE - FINISHED FLOOR ELEVATION
- FH - FIRE HYDRANT
- GL - GAS LINE
- GM - GAS METER
- GP - GUY POLE
- GT - GREASE TRAP
- GV - GAS VALVE
- GW - GUY WIRE
- HC - HANDICAP PARKING SPACE
- HW - HEADWALL
- IPS - IRON PIN SET (1/2" REBAR)
- JB - JUNCTION BOX
- LL - LAND LOT
- LLL - LAND LOT LINE
- LP - LIGHT POLE
- MH - MANHOLE
- MON - MONUMENT
- N/F - NOW OR FORMERLY
- OCS - OUTLET CONTROL STRUCTURE
- PL - POWER LINE
- PT - POWER & TELEPHONE LINE
- PBX - POWER BOX
- PF - PIPE FOUND
- PL - PROPERTY LINE
- PM - POWER METER
- POB - POINT OF BEGINNING
- PP - POWER POLE
- PS - PARKING SPACES
- PLP - POWER & LIGHT POLE
- PTLP - POWER, TELEPHONE & LIGHT POLE
- PTP - POWER & TELEPHONE POLE
- PP - POLYMER CHLORIDE PIPE
- PV - PAVEMENT
- RBF - REBAR FOUND
- RCP - REINFORCED CONCRETE PIPE
- R/W - RIGHT OF WAY
- N/F - NOW OR FORMERLY
- S - SANITARY SEWER LINE
- SSE - SANITARY SEWER EASEMENT
- S/W - SIDEWALK
- SWCB - SINGLE-WING CATCH BASIN
- TBM - TEMPORARY BENCHMARK
- TBX - TELEPHONE BOX
- TMH - TELEPHONE MANHOLE
- TP - TELEPHONE POLE
- TPB - TRUE POINT OF BEGINNING
- TSP - TRAFFIC SIGNAL POLE
- T - TELEPHONE LINE
- UC - UNDERGROUND COMMUNICATION
- UE - UNDERGROUND ELECTRIC
- UP - UNDERGROUND POWER
- UT - UNDERGROUND TELEPHONE
- WI - WEIR INLET
- WL - WATER LINE
- WM - WATER METER
- WMH - WATER MANHOLE
- WV - WATER VALVE
- PS - PARKING SPACE NUMBER

SURVEY NOTES

1. THE FIELD DATA DATED 1/6/2023 UPON WHICH THIS PLAT IS BASED HAS A CLOSURE PRECISION OF ONE FOOT IN 591,391 FEET AND AN ANGULAR ERROR OF 10" SECONDS PER ANGLE AND WAS ADJUSTED USING THE COMPASS RULE. A TRIMBLE S-SERIES ROBOTIC TOTAL STATION WAS USED FOR ANGULAR AND LINEAR MEASUREMENTS.
2. THIS PLAT HAS BEEN CALCULATED FOR CLOSURE AND IS FOUND TO BE ACCURATE WITHIN ONE FOOT IN 587,678 FEET.
3. THE HORIZONTAL DATUM FOR THIS SURVEY IS THE NORTH AMERICAN DATUM OF 1983 (NAD 83 GEORGIA WEST ZONE) AND THE VERTICAL DATUM USED IS THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAV88) AS DETERMINED BY UTILIZING GPS. THE EQUIPMENT USED TO OBTAIN THIS DATA WAS A DUAL FREQUENCY TRIMBLE (R8, R6, OR R12) GNSS GPS RECEIVER WITH A TRIMBLE TSC7 DATA COLLECTOR RECEIVING RTK CORRECTIONS VIA A WIRELESS NETWORK FROM BASE STATIONS OPERATED BY TRIMBLE NAVIGATION. THE AVERAGE RELATIVE POSITIONAL ACCURACY OBTAINED ON THE POSITIONS UTILIZED IN THIS SURVEY WAS 0.04 FT. HORIZONTAL AND 0.07 FT. VERTICAL. THESE VALUES WERE DERIVED FROM GPS PROCESSING SOFTWARE. THE REMAINDER OF THE FIELD WORK WAS PERFORMED WITH CONVENTIONAL EQUIPMENT AS DESCRIBED ABOVE.
4. THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF A CURRENT TITLE COMMITMENT; THEREFORE EXCEPTION IS MADE HEREIN TO ANY EASEMENTS, RESERVATIONS, RIGHTS OF WAY AND RESTRICTIONS OF RECORD, WHICH MAY EXIST. FURTHERMORE, THIS PROPERTY MAY BE SUBJECT TO EASEMENTS, RESERVATIONS, RIGHTS OF WAY, OR RESTRICTIONS, WHICH ARE NOT RECORDED OR NOT DISCLOSED BY THE TITLE COMMITMENT OR OTHERWISE UNKNOWN TO THE SURVEYOR; THEREFORE EXCEPTION IS TAKEN TO ANY SUCH ITEMS.
5. THE UNDERGROUND UTILITIES SHOWN HEREON HAVE BEEN MARKED BY UTILITY MARKING (678-357-1948) AND FIELD LOCATED BY ROCHESTER & ASSOCIATES, LLC. PERSONNEL. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM THE INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES.
6. THIS PROPERTY MAY OR MAY NOT CONTAIN WETLAND AREAS. NO EFFORTS HAVE BEEN MADE BY THIS SURVEYOR TO IDENTIFY OR LOCATE ANY WETLAND AREAS ON THIS PROPERTY. A QUALIFIED WETLAND SPECIALIST OR BIOLOGIST, PRIOR TO ANY LAND DISTURBANCE, SHOULD PERFORM WETLAND IDENTIFICATION AND DELINEATION.
7. THIS PROPERTY IS LOCATED IN ZONE "X" AS PER F.E.M.A. INSURANCE RATE MAP OF HALL COUNTY, GEORGIA. COMMUNITY PANEL NO. 13139C0195H, EFFECTIVE DATE DECEMBER 1, 2022.
8. ALL PROPERTY CORNERS REFERENCED AS "IPS" INDICATES A 1/2" REBAR PLACED WITH A YELLOW PLASTIC CAP STAMPED "ROCHESTER-LSF000484", UNLESS OTHERWISE NOTED.
9. THIS PLAT IS FOR THE EXCLUSIVE USE OF THE ENTITIES SHOWN HEREON; ANY USE BY THIRD PARTIES IS AT THEIR OWN RISK.
10. ALL DISTANCES AS SHOWN ARE HORIZONTAL GROUND DISTANCES IN U.S. SURVEY FEET (39.37 INCHES = 1 METER).

Rochester | **PLCCM**

Rochester and Associates, LLC
 435 ROCKY HILL, GAINESVILLE, GA 30501
 770.718.0600 P | www.rochester-assoc.com

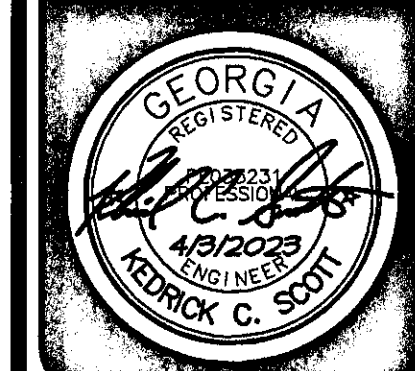
SURVEY FOR:

JOE PARKER SPECIAL EVENTS FACILITY

LOCATED IN
 3210 JOE PARKER ROAD
 G.A.M.D. 411
 HALL COUNTY, GEORGIA

NO.	DATE	DESCRIPTION	REVISIONS

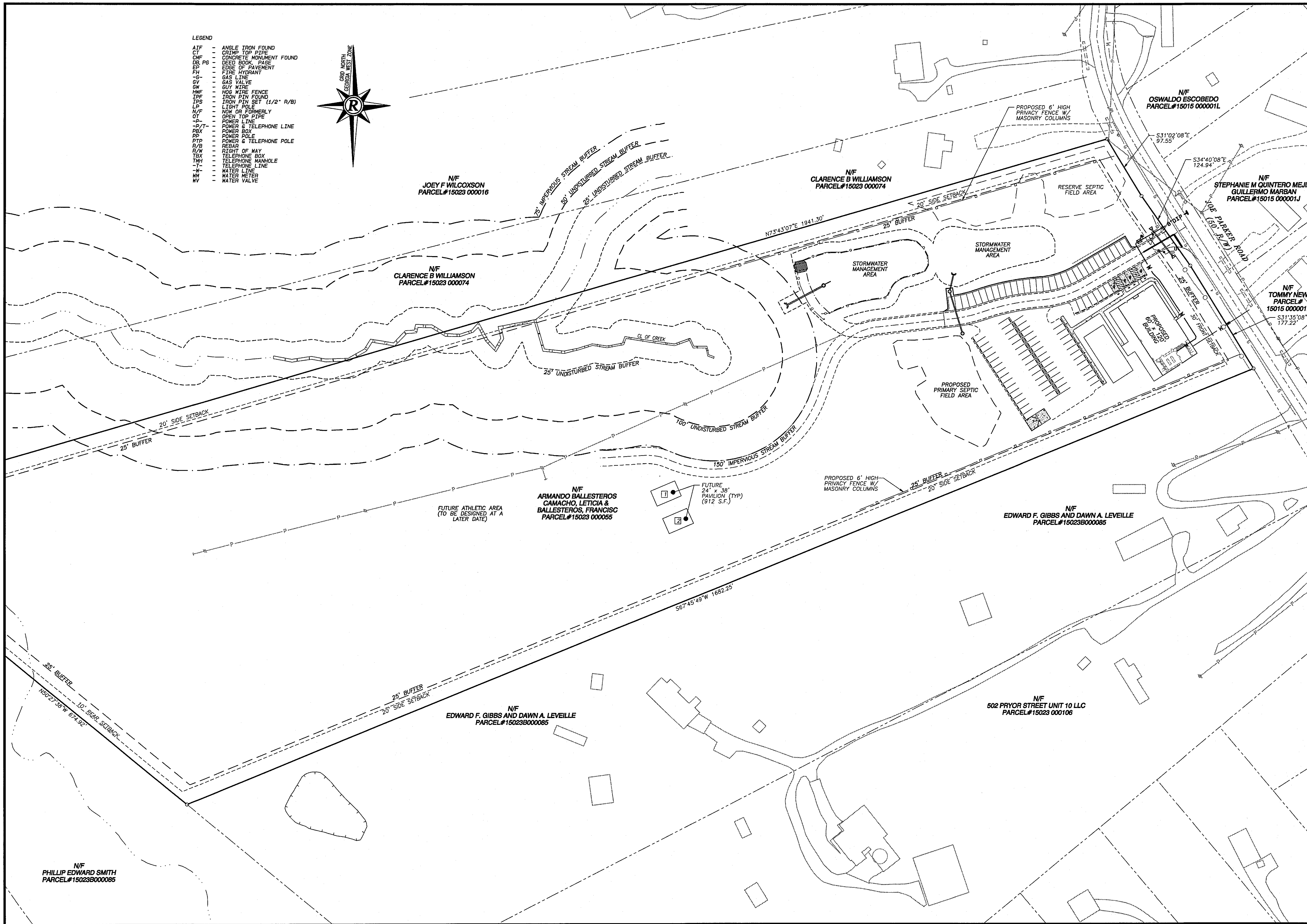
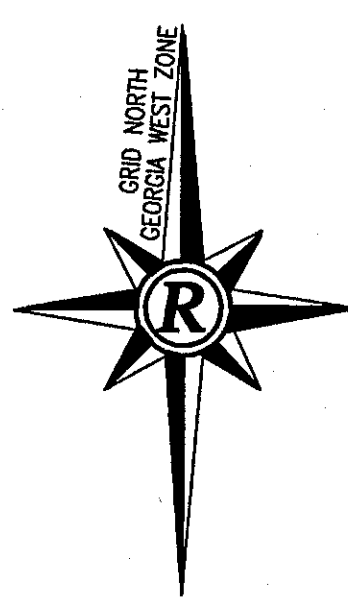
ANY CHANGES OR ALTERATIONS MADE TO THESE CONSTRUCTION DRAWINGS WITHOUT THE WRITTEN APPROVAL OF ROCHESTER & ASSOCIATES, LLC, SHALL BE AT THE USER'S OWN RISK. ROCHESTER & ASSOCIATES, LLC, ASSUMES NO LIABILITY FOR ANY ERRORS OR OMISSIONS IN THESE DRAWINGS, INCLUDING ANY CHANGES, VERIFICATION OF ANY CHANGES.



SHEET
 3
 OF
 25

DATE: 1/9/2023
 SCALE: N.T.S.
 JOB NO.: 0222173.JPR
 FILE NO.: *CNST1.PRG
 DRAWN BY: SWS

- LEGEND
- ATF - ANGLE IRON FOUND
 - CT - CRIMP TOP PIPE
 - CMF - CONCRETE MONUMENT FOUND
 - DB, PB - DEED BOOK, PAGE
 - EP - EDGE OF PAVEMENT
 - FH - FIRE HYDRANT
 - GL - GAS LINE
 - GV - GAS VALVE
 - GW - GUY WIRE
 - HMF - HOE WIRE FENCE
 - IPF - IRON PIN FOUND
 - IPS - IRON PIN SET (1/2" R/B)
 - LP - LIGHT POLE
 - N/F - NOW OR FORMERLY
 - OT - OPEN TOP PIPE
 - P - POWER LINE
 - PT - POWER & TELEPHONE LINE
 - PBX - POWER BOX
 - PP - POWER POLE
 - PTP - POWER & TELEPHONE POLE
 - REBAR - REBAR
 - R/W - RIGHT OF WAY
 - TBX - TELEPHONE BOX
 - TMH - TELEPHONE MANHOLE
 - T - TELEPHONE LINE
 - W - WATER LINE
 - WM - WATER METER
 - WV - WATER VALVE



N/F
JOEY F WILCOXSON
PARCEL#15023 000016

N/F
CLARENCE B WILLIAMSON
PARCEL#15023 000074

N/F
CLARENCE B WILLIAMSON
PARCEL#15023 000074

N/F
OSWALDO ESCOBEDO
PARCEL#15015 000001L

N/F
STEPHANIE M QUINTERO MEJIA
GUILLERMO MARBAN
PARCEL#15015 000001J

N/F
TOMMY NEW
PARCEL#15015 000001I

FUTURE ATHLETIC AREA
(TO BE DESIGNED AT A
LATER DATE)

N/F
ARMANDO BALLESTEROS
CAMACHO, LETICIA &
BALLESTEROS, FRANCISC
PARCEL#15023 000055

FUTURE
24' x 38'
PAVILION (TYP)
(912 S.F.)

N/F
EDWARD F. GIBBS AND DAWN A. LEVELLE
PARCEL#15023B000085

N/F
EDWARD F. GIBBS AND DAWN A. LEVELLE
PARCEL#15023B000085

N/F
502 PRYOR STREET UNIT 10 LLC
PARCEL#15023 000106

N/F
PHILLIP EDWARD SMITH
PARCEL#15023B000085

Rochester | **PECCM**

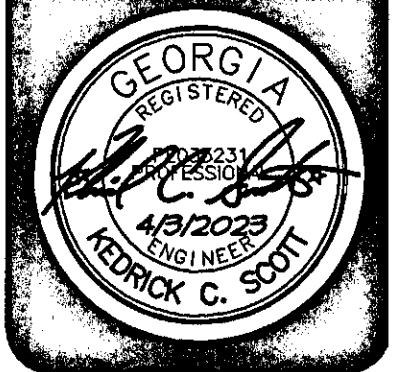
Rochester and Associates, LLC
425 Oak St NW, Gainesville, GA 30501
770.718.0600 P | www.rochester-assoc.com

OVERALL SITE PLAN
FOR:
**JOE PARKER
SPECIAL EVENTS FACILITY**
LOCATED IN
3210 JOE PARKER ROAD
G.M.D. 411
HALL COUNTY, GEORGIA

NO.	DATE	DESCRIPTION	REVISIONS

ANY CHANGES OR ALTERATIONS MADE TO THESE CONSTRUCTION DRAWINGS WITHOUT THE SIGNATURE AND SEAL OF THE REGISTERED PROFESSIONAL ENGINEER ASSOCIATED WITH THESE DRAWINGS ARE VOID AND ANY LIABILITY ASSOCIATED WITH THESE DRAWINGS ARE KEPT ON FILE FOR VERIFICATION OF ANY CHANGES.

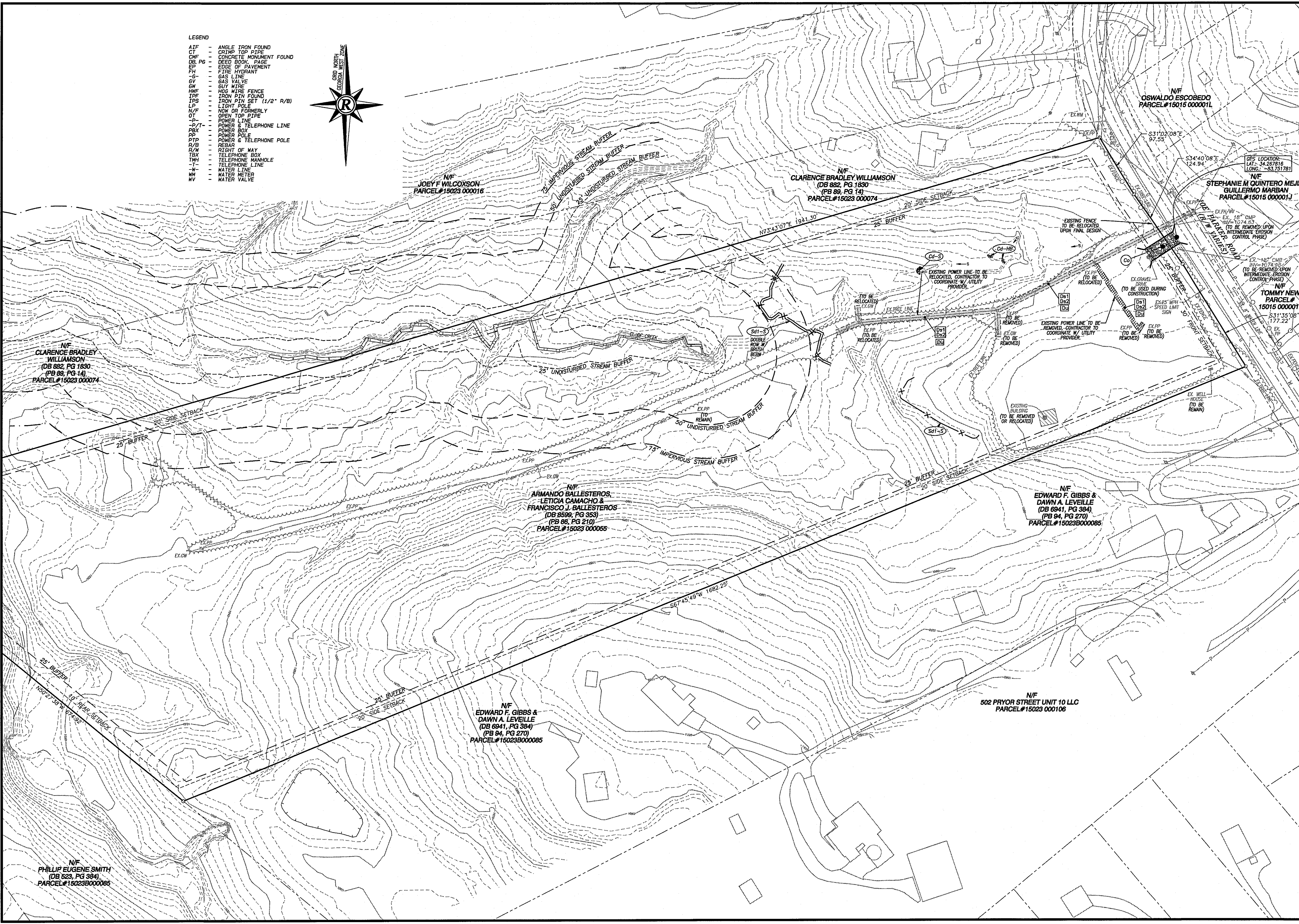
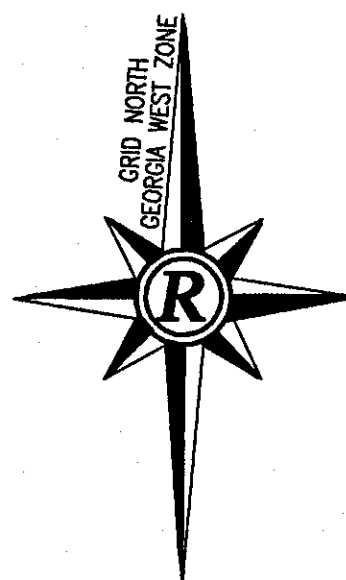
GRAPHIC SCALE
0' 30' 60' 120'



SHEET
4
OF
25

DATE : 4/3/2023
SCALE : 1" = 60'
JOB NO : 0222173.JPR
FILE NO : *CNST170
DRAWN BY: SWS

- LEGEND
- AIF - ANGLE IRON FOUND
 - CT - CRIMP TOP PIPE
 - CMF - CONCRETE MONUMENT FOUND
 - DB PG - DEED BOOK PAGE
 - EP - EDGE OF PAVEMENT
 - FH - FIRE HYDRANT
 - GL - GAS LINE
 - GV - GAS VALVE
 - GW - GUY WIRE
 - HMF - HOG WIRE FENCE
 - IPF - IRON PIM FOUND
 - IPB - IRON PIM SET (1/2" R/B)
 - LP - LIGHT POLE
 - N/F - NOW OR FORMERLY
 - OT - OPEN TOP PIPE
 - P - POWER LINE
 - P/T - POWER & TELEPHONE LINE
 - PBX - POWER BOX
 - PP - POWER POLE
 - PTP - POWER & TELEPHONE POLE
 - R/B - REBAR
 - R/W - RIGHT OF WAY
 - TBX - TELEPHONE BOX
 - TMH - TELEPHONE MANHOLE
 - T - TELEPHONE LINE
 - W - WATER LINE
 - WM - WATER METER
 - WV - WATER VALVE



Rochester | **PECCM**

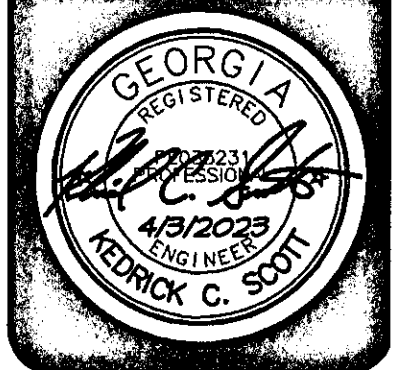
Rochester and Associates, LLC
 435 Oak St NW, Gainesville, GA 30501
 770.718.0600 P | www.rochester-assoc.com

EXISTING CONDITIONS/ DEMO PLAN
 FOR:
JOE PARKER
 SPECIAL EVENTS FACILITY
 LOCATED IN
 3210 JOE PARKER ROAD
 G.M.D. 411
 HALL COUNTY, GEORGIA

NO.	DATE	DESCRIPTION	REVISIONS

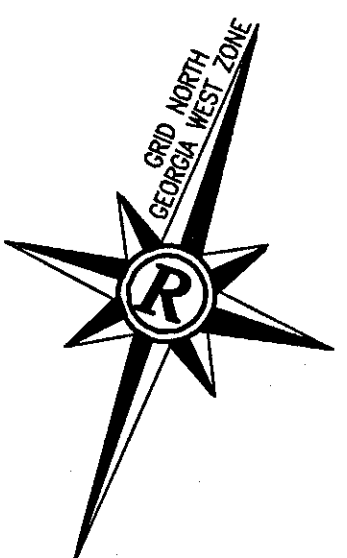
ANY CHANGES OR ALTERATIONS MADE TO THESE CONSTRUCTION DRAWINGS WITHOUT THE WRITTEN APPROVAL OF ROCHESTER & ASSOCIATES, LLC ARE VOID. THE ENGINEER HEREON AND ANY LIABILITY ASSOCIATED HERETO SHALL BE LIMITED TO THE DESIGN AND VERIFICATION OF ANY CHANGES.

GRAPHIC SCALE
 0' 30' 60' 120'



SHEET
5
 OF
25

DATE: 4/3/2023
 SCALE: 1" = 60'
 JOB NO.: 022173.JPR
 FILE NO.: *CNST1.PRO
 DRAWN BY: SWS

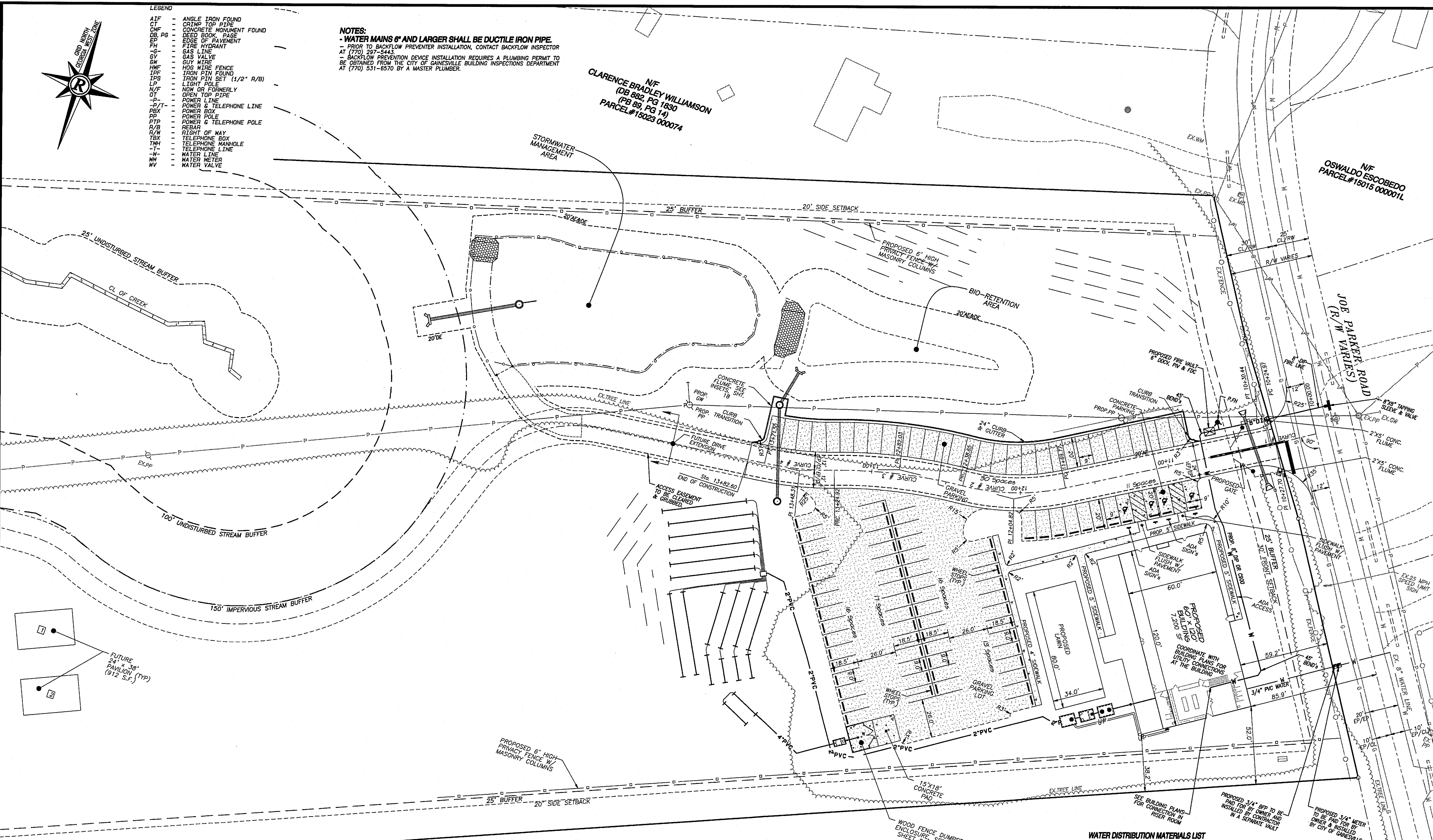


- LEGEND**
- ATF - ANGLE IRON FOUND
 - CT - CONCRETE TOP PIPE
 - CMF - CONCRETE MONUMENT FOUND
 - DB PG - DEED BOOK - PAGE
 - EP - EDGE OF PAVEMENT
 - FH - FIRE HYDRANT
 - GL - GAS LINE
 - GV - GAS VALVE
 - GW - GUY WIRE
 - HWF - HOOD WIRE FENCE
 - IPF - IRON PIN FOUND
 - IPS - IRON PIN SET (1/2" R/B)
 - LP - LIGHT POLE
 - N/F - NDN OR FORMERLY
 - OT - OPEN TOP PIPE
 - P - POWER LINE
 - P/T - POWER & TELEPHONE LINE
 - PBX - POWER BOX
 - PP - POWER POLE
 - PTP - POWER & TELEPHONE POLE
 - REGAR - REGAS
 - R/W - RIGHT OF WAY
 - TBX - TELEPHONE BOX
 - TMH - TELEPHONE MANHOLE
 - TL - TELEPHONE LINE
 - W - WATER LINE
 - WM - WATER METER
 - WV - WATER VALVE

NOTES:
 - WATER MAINS 6" AND LARGER SHALL BE DUCTILE IRON PIPE.
 - PRIOR TO BACKFLOW PREVENTER INSTALLATION, CONTACT BACKFLOW INSPECTOR AT (770) 297-5443.
 - BACKFLOW PREVENTION DEVICE INSTALLATION REQUIRES A PLUMBING PERMIT TO BE OBTAINED FROM THE CITY OF GAINESVILLE BUILDING INSPECTIONS DEPARTMENT AT (770) 531-8370 BY A MASTER PLUMBER.

CLARENCE BRADLEY WILLIAMSON
 N/F
 (DB 892, PG 1630
 (PB 89, PG 14)
 PARCEL#15023 000074

OSWALDO ESCOBEDO
 N/F
 PARCEL#15015 00001L



Rochester DEEM
 Rochester and Associates, LLC
 425 Oak St NW, Gainesville, GA 30501
 770.718.0600 P | www.rochester-assoc.com

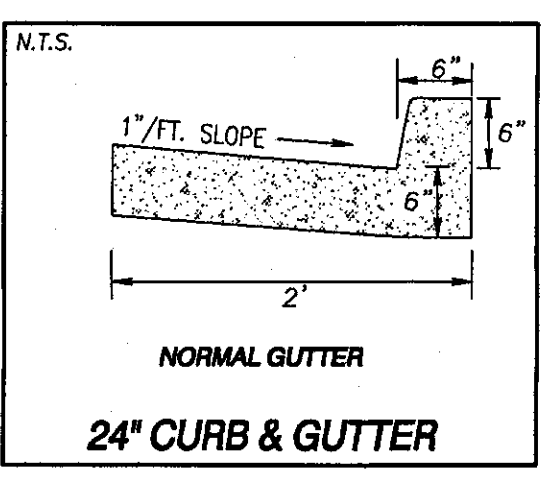
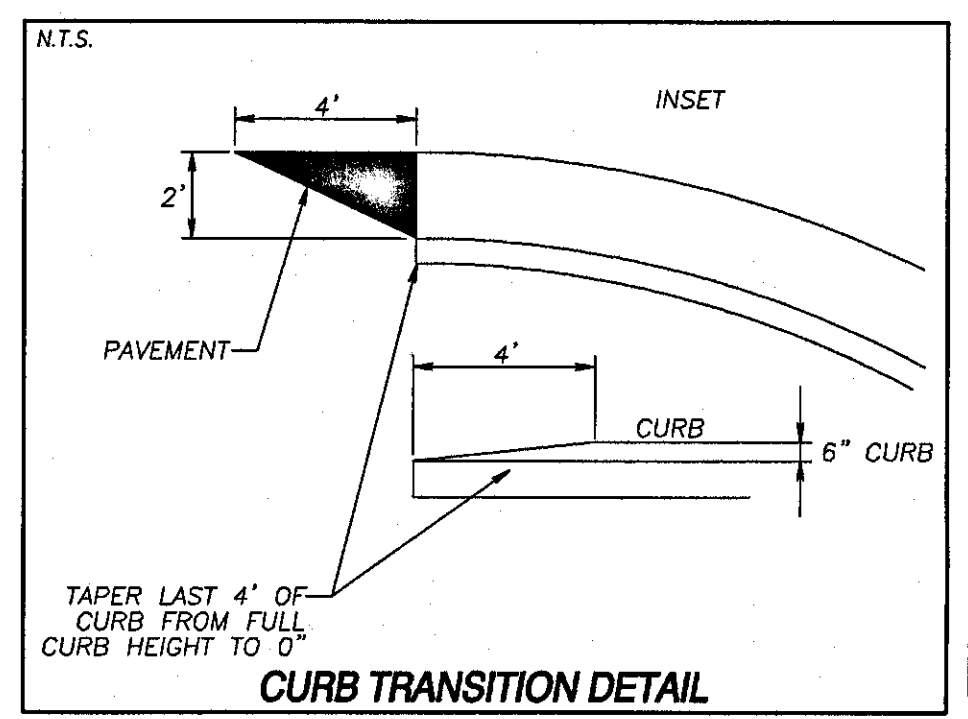
JOE PARKER FACILITY
 SPECIAL EVENTS FACILITY
 FOR :
 JOE PARKER ROAD
 LOCATED IN
 HALL COUNTY, GEORGIA
 3210 JOE PARKER ROAD
 G.M.D. 411

GEORGIA REGISTERED PROFESSIONAL ENGINEER
 EDWARD F. GIBBS
 442028
 EDWARD F. GIBBS
 EDWARD F. GIBBS

ENTRANCE DRIVE CURVE DATA

CURVE #1	CURVE #2
P.I. Station = 10+27.70	P.I. Station = 12+04.82
North = 1552771.5421	North = 1552681.8011
East = 2421907.0811	East = 2421754.3744
Delta = 1°34'03" Rt.	Delta = 26°18'35" Rt.
Arc = 5.47'	Arc = 68.88'
Radius = 200.00'	Radius = 150.00'
Chord = 5.47'	Chord = 68.27'
Tangent = 2.74'	Tangent = 35.06'

CURVE #3	CURVE #4
P.I. Station = 12+82.03	P.I. Station = 13+48.31
North = 1552676.1493	North = 1552654.4041
East = 2421676.1376	East = 2421613.0091
Delta = 14°52'30" Lt.	Delta = 12°44'14" Rt.
Arc = 86.28'	Arc = 46.58'
Radius = 332.33'	Radius = 209.52'
Chord = 86.04'	Chord = 46.48'
Tangent = 43.36'	Tangent = 23.39'



EDWARD F. GIBBS &
 DAWN A. LEVIELLE
 N/F
 (PB 94, PG 270)
 PARCEL#15023B000085

WATER DISTRIBUTION MATERIALS LIST

MATERIAL	QUANTITY	UNIT
8"x6" TAPPING SLEEVE	1	EA
6" DIP	286	LF
Fire Hydrant Assembly	1	EA

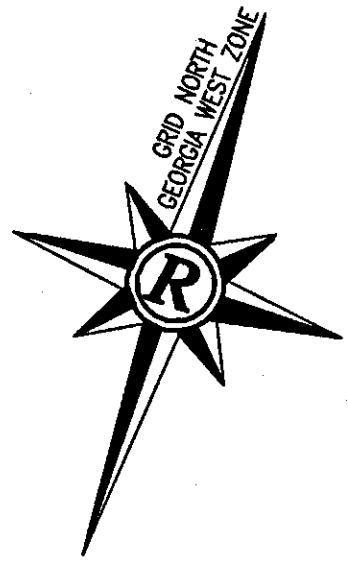
NOTE: SEE SHEET 25 OF THIS SET FOR WATER NOTES.

PARKING CALCULATIONS:
 GROSS BUILDING AREA: 1,200 SF
 PUBLIC ASSEMBLY AREA: 5,630 SF
 USEABLE FLOOR AREA: 3,475 SF

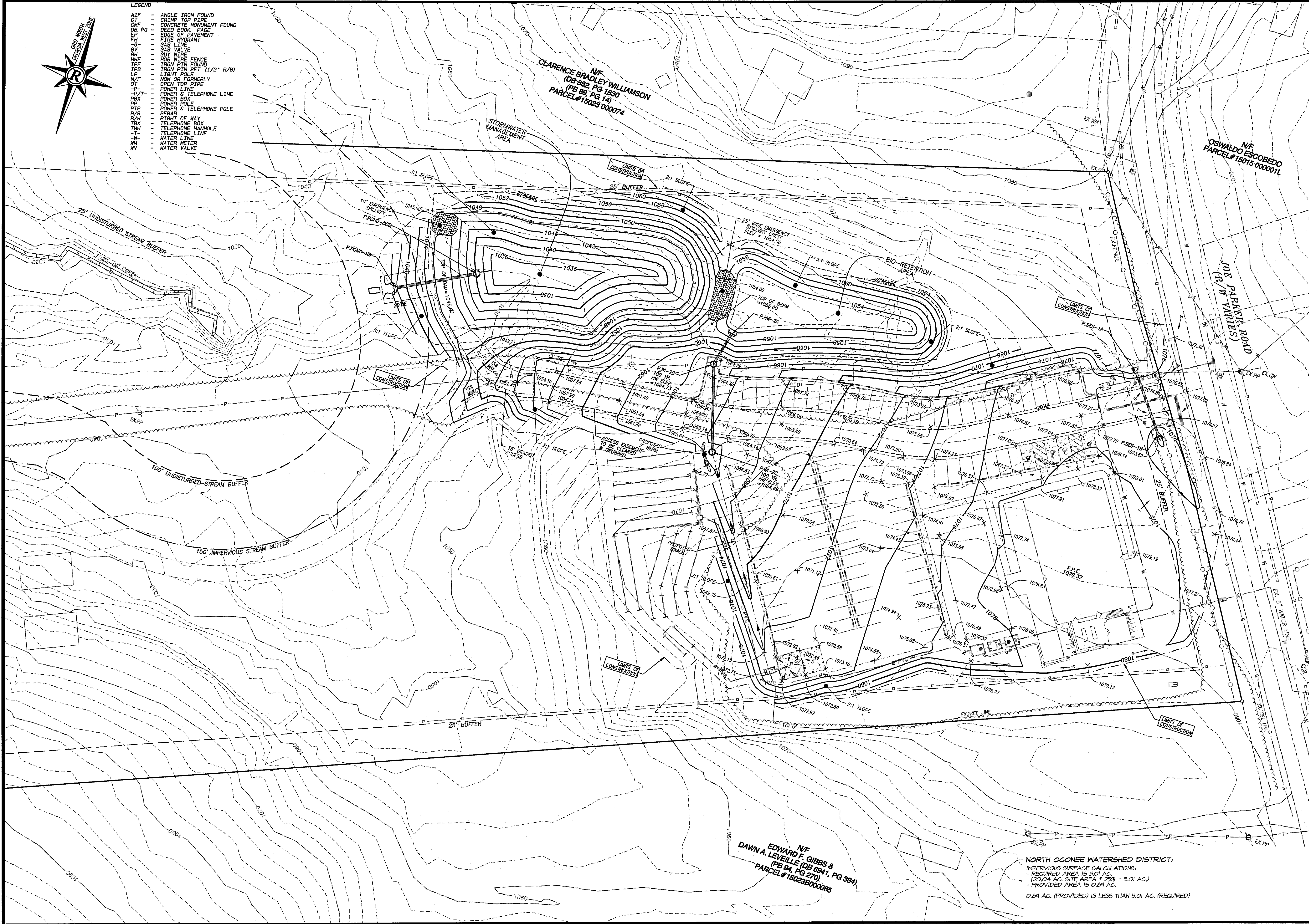
REQUIRED: 1 SPACE PER 3 SEATS OF PLACES OF PUBLIC ASSEMBLY (241 SEATS / 3 PER SPACE) = 99 SPACES
 PROVIDED: 99 SPACES (INCLUDING 4 HANDICAP)
 HANDICAP SPACES REQUIRED: 4 SPACES
 HANDICAP SPACES PROVIDED: 4 SPACES

SETBACKS:
 FRONT: - 25' BUFFER
 - 30' BUILDING SETBACK
 SIDE: - 25' BUFFER
 - 20' BUILDING SETBACK
 REAR: - 25' BUFFER
 - 10' BUILDING SETBACK

SHEET 6 OF 25
 DATE: 4/23/2023
 SCALE: 1" = 30'
 JOB NO.: G22172-JPR
 FILE NO.: 02172-PRP
 DRAWN BY: SWS



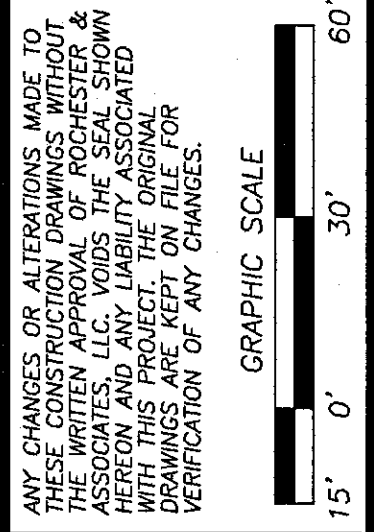
- LEGEND**
- AIF ANGLE IRON FOUND
 - CT CONCRETE TOP PIPE
 - CMF CONCRETE MONUMENT FOUND
 - DB PG DEED BOOK PAGE
 - EP EDGE OF PAVEMENT
 - FH FIRE HYDRANT
 - G GAS LINE
 - GV GAS VALVE
 - GW GUY WIRE
 - HWF HOOD WIRE FENCE
 - IPF IRON PIN FOUND
 - IPB IRON PIN SET (1/2" R/B)
 - LP LIGHT POLE
 - N/F NDM OR FORMERLY
 - OT OPEN TOP PIPE
 - P POWER LINE
 - P/T POWER & TELEPHONE LINE
 - PBX POWER BOX
 - PP POWER POLE
 - PTP POWER & TELEPHONE POLE
 - R/B REAR
 - R/W RIGHT OF WAY
 - TBX TELEPHONE BOX
 - TMH TELEPHONE MANHOLE
 - T TELEPHONE LINE
 - W WATER LINE
 - WM WATER METER
 - WV WATER VALVE



Rochester | **BCEM**
 Rochester and Associates, LLC
 425 Oak St NW, Gainesville, GA 30501
 770.718.0600 p | www.rochester-assoc.com

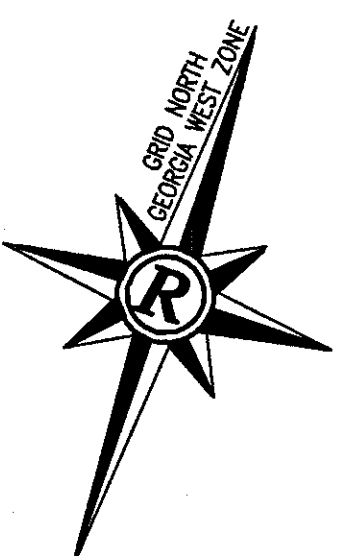
GRADING PLAN
 FOR
JOE PARKER SPECIAL EVENTS FACILITY
 LOCATED IN
 3210 JOE PARKER ROAD
 HALL COUNTY, GEORGIA

NO.	DATE	DESCRIPTION	REVISIONS



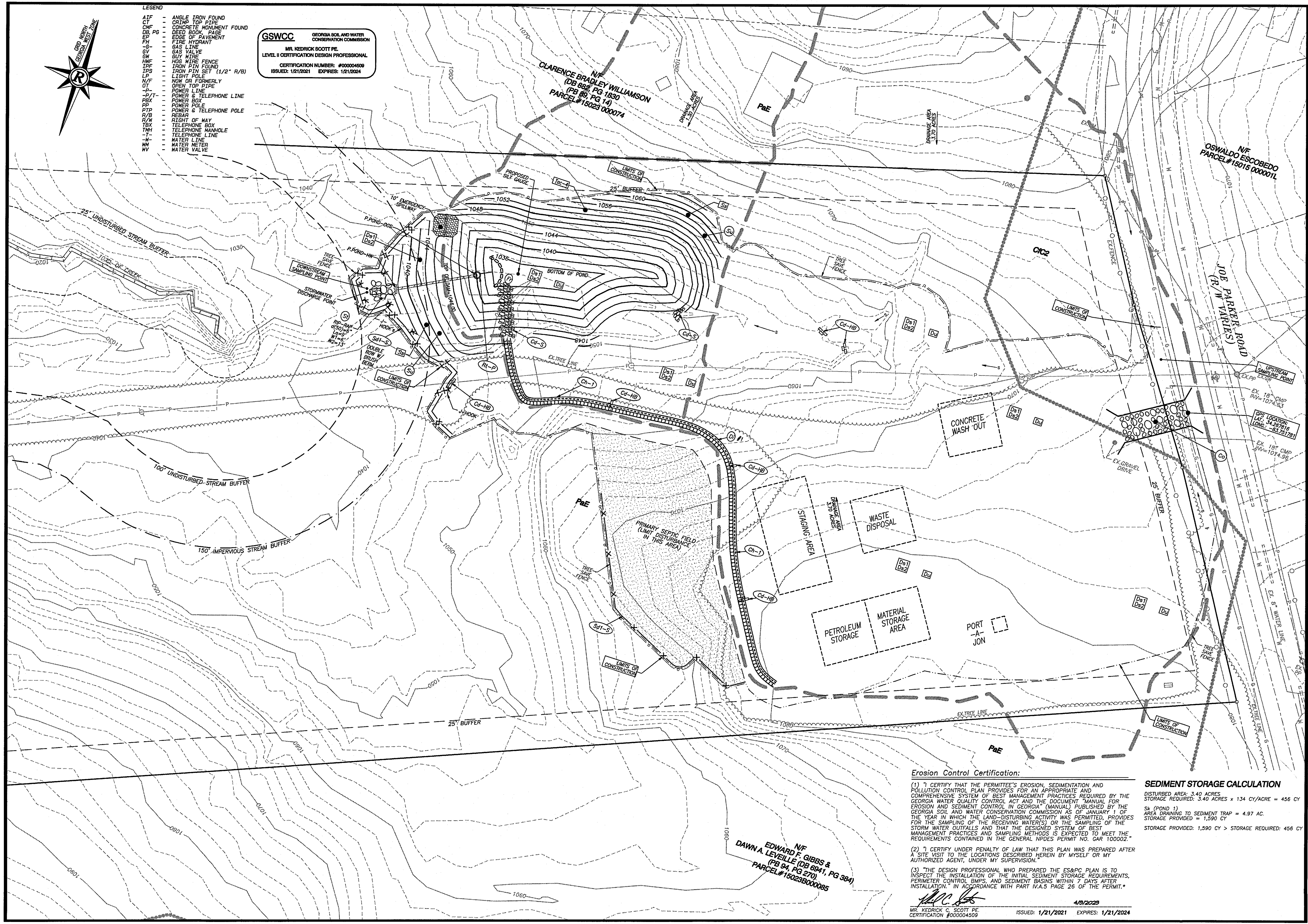
SHEET
7
 OF
25
 DATE: 4/1/2023
 SCALE: 1" = 30'
 JOB NO.: C223173.PRR
 FILE NO.: C223173.PRR
 DRAWN BY: SWS

NORTH OCOONEE WATERSHED DISTRICT:
 IMPERVIOUS SURFACE CALCULATIONS:
 - REQUIRED AREA IS 5.01 AC.
 - 22.04 AC. SITE AREA * 25% = 5.01 AC.
 - PROVIDED AREA IS 0.84 AC.
 0.84 AC. (PROVIDED) IS LESS THAN 5.01 AC. (REQUIRED)



- LEGEND**
- ATF ANGLE IRON FOUND
 - CTF CONCRETE TOP PIPE
 - DB PG DEED BOOK PAGE
 - EP EDGE OF PAVEMENT
 - PH FIRE HYDRANT
 - SL GAS LINE
 - GV GAS VALVE
 - BN GUY WIRE
 - HWF HOOD WIRE FENCE
 - IPF IRON PIN FOUND
 - IPFS IRON PIN SET (1/2" R/B)
 - LP LIGHT POLE
 - N/F NOW OR FORMERLY
 - OT OPEN TOP PIPE
 - P POWER LINE
 - P/T POWER & TELEPHONE LINE
 - PBX POWER BOX
 - PP POWER POLE
 - PTP POWER & TELEPHONE POLE
 - R/W RIGHT OF WAY
 - TRX TELEPHONE BOX
 - TMH TELEPHONE MAINHOLE
 - T WATER LINE
 - W WATER METER
 - WV WATER VALVE

GSWCC GEORGIA SOIL AND WATER CONSERVATION COMMISSION
 MR. KEDRICK SCOTT PE.
 LEVEL II CERTIFICATION DESIGN PROFESSIONAL
 CERTIFICATION NUMBER: #000004509
 ISSUED: 1/21/2021 EXPIRES: 1/21/2024



Rochester | **DEEM**
 Rochester and Associates, LLC
 425 Oak St NW, Gainesville, GA 30501
 770.718.0600 p | www.rochester-assoc.com

FOR: **JOE PARKER SPECIAL EVENTS FACILITY**
 EROSION CONTROL PHASE 1 - INITIAL
 LOCATED IN: 3210 JOE PARKER ROAD, HALL COUNTY, GEORGIA

NO.	DATE	DESCRIPTION	REVISIONS



SHEET **8** OF **25**
 DATE: 4/3/2023
 SCALE: 1" = 30'
 JOB NO.: 022173LPR
 FILE NO.: 4CONSLPR
 DRAWN BY: SVS

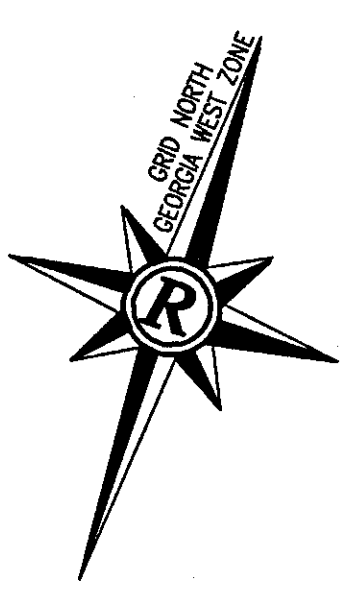
Erosion Control Certification:

- (1) "I CERTIFY THAT THE PERMITTEE'S EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN PROVIDES FOR AN APPROPRIATE AND COMPREHENSIVE SYSTEM OF BEST MANAGEMENT PRACTICES REQUIRED BY THE GEORGIA WATER QUALITY CONTROL ACT AND THE DOCUMENT "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" PUBLISHED BY THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION AS OF JANUARY 1 OF THE YEAR IN WHICH THE LAND-DISTURBING ACTIVITY WAS PERMITTED, PROVIDES FOR THE SAMPLING OF THE RECEIVING WATER(S) OR THE SAMPLING OF THE STORM WATER OUTFALLS AND THAT THE DESIGNED SYSTEM OF BEST MANAGEMENT PRACTICES AND SAMPLING METHODS IS EXPECTED TO MEET THE REQUIREMENTS CONTAINED IN THE GENERAL NPDES PERMIT NO. GAR 100002."
- (2) "I CERTIFY UNDER PENALTY OF LAW THAT THIS PLAN WAS PREPARED AFTER A SITE VISIT TO THE LOCATIONS DESCRIBED HEREIN BY MYSELF OR MY AUTHORIZED AGENT, UNDER MY SUPERVISION."
- (3) "THE DESIGN PROFESSIONAL WHO PREPARED THE ES&PC PLAN IS TO INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS, PERIMETER CONTROL BMPs, AND SEDIMENT BASINS WITHIN 7 DAYS AFTER INSTALLATION." IN ACCORDANCE WITH PART I.V.A.5 PAGE 26 OF THE PERMIT."

Kedrick C. Scott
 MR. KEDRICK C. SCOTT PE.
 CERTIFICATION #000004509
 4/3/2023
 ISSUED: 1/21/2021 EXPIRES: 1/21/2024

SEDIMENT STORAGE CALCULATION

DISTURBED AREA: 3.40 ACRES
 STORAGE REQUIRED: 3.40 ACRES x 134 CY/ACRE = 456 CY
 ST (POND 1) AREA DRAINING TO SEDIMENT TRAP = 4.97 AC.
 STORAGE PROVIDED = 1,590 CY
 STORAGE PROVIDED: 1,590 CY > STORAGE REQUIRED: 456 CY

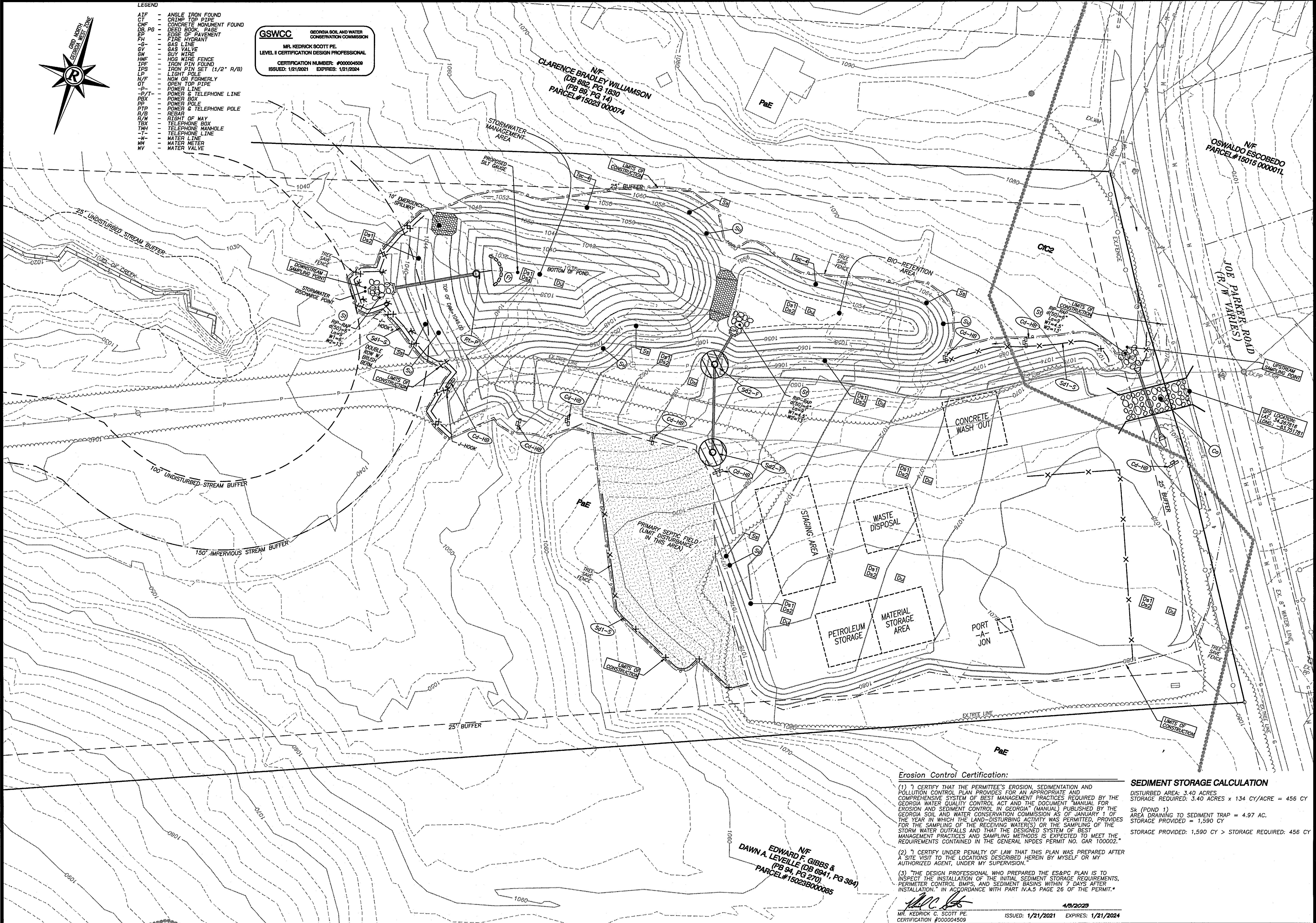


- LEGEND**
- ATF ANGLE IRON FOUND
 - CT CRIMP TOP PIPE
 - CMF CONCRETE MONUMENT FOUND
 - DB, PG DEED BOOK, PAGE
 - EP EDGE OF PAVEMENT
 - FH FIRE HYDRANT
 - GL GAS LINE
 - GV GAS VALVE
 - GW GUY WIRE
 - HWF HOUS WIRE FENCE
 - IPF IRON PIN FOUND
 - LP LIGHT POLE
 - LF LIGHT POLE
 - N/F NOW OR FORMERLY
 - OT OPEN TOP PIPE
 - P POWER LINE
 - P/T POWER & TELEPHONE LINE
 - PBX POWER BOX
 - PP POWER POLE
 - PYP POWER & TELEPHONE POLE
 - REBAR REBAR
 - RLM RIGHT OF WAY
 - TBX TELEPHONE BOX
 - THH TELEPHONE MANHOLE
 - TL TELEPHONE LINE
 - WL WATER LINE
 - WH WATER METER
 - WV WATER VALVE

GSWCC GEORGIA SOIL AND WATER CONSERVATION COMMISSION

MR. KEDRICK SCOTT PE
LEVEL II CERTIFICATION DESIGN PROFESSIONAL

CERTIFICATION NUMBER: #000004508
ISSUED: 1/21/2021 EXPIRES: 1/21/2024



NF
EDWARD F. GIBBS &
DAWN A. LEVILLE (DB 6941, PG 394)
PARCEL# 15023000085

Erosion Control Certification:

- (1) I CERTIFY THAT THE PERMITEE'S EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN PROVIDES FOR AN APPROPRIATE AND COMPREHENSIVE SYSTEM OF BEST MANAGEMENT PRACTICES REQUIRED BY THE GEORGIA WATER QUALITY CONTROL ACT AND THE DOCUMENT "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" (MANUAL) PUBLISHED BY THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION AS OF JANUARY 1 OF THE YEAR IN WHICH THE LAND-DISTURBING ACTIVITY WAS PERMITTED. PROVIDES FOR THE SAMPLING OF THE RECEIVING WATER(S) OR THE SAMPLING OF THE STORM WATER OUTFALLS AND THAT THE DESIGNED SYSTEM OF BEST MANAGEMENT PRACTICES AND SAMPLING METHODS IS EXPECTED TO MEET THE REQUIREMENTS CONTAINED IN THE GENERAL NPDES PERMIT NO. GAR 100002.
- (2) I CERTIFY UNDER PENALTY OF LAW THAT THIS PLAN WAS PREPARED AFTER A SITE VISIT TO THE LOCATIONS DESCRIBED HEREIN BY MYSELF OR MY AUTHORIZED AGENT, UNDER MY SUPERVISION.
- (3) THE DESIGN PROFESSIONAL WHO PREPARED THE ES&PC PLAN IS TO INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS, PERIMETER CONTROL BMPs, AND SEDIMENT BASINS WITHIN 7 DAYS AFTER INSTALLATION." IN ACCORDANCE WITH PART IV.A.5 PAGE 26 OF THE PERMIT.

MR. KEDRICK C. SCOTT PE
ISSUED: 1/21/2021 EXPIRES: 1/21/2024

SEDIMENT STORAGE CALCULATION

DISTURBED AREA: 3.40 ACRES
STORAGE REQUIRED: 3.40 ACRES x 134 CY/ACRE = 456 CY

SK (POND 1)
AREA DRAINING TO SEDIMENT TRAP = 4.97 AC.
STORAGE PROVIDED = 1,590 CY

STORAGE PROVIDED: 1,590 CY > STORAGE REQUIRED: 456 CY

Rochester | **DCCM**

Rochester and Associates, LLC
425 Oak St NW, Gainesville, GA 30501
770.718.0600 p | www.rochester-assoc.com

EROSION CONTROL PHASE 2 - INTERMEDIATE

FOR:

JOE PARKER SPECIAL EVENTS FACILITY

LOCATED IN C.M.D.# 47
3210 JOE PARKER ROAD
HALL COUNTY, GEORGIA

ANY CHANGES OR ALTERATIONS MADE TO THIS PLAN SHALL BE THE RESPONSIBILITY OF THE PERMITEE. THE WRITTEN APPROVAL OF ROCHESTER & ASSOCIATES, LLC, UNDER THE ASSIGNED AUTHORITY OF THE ORIGINAL DESIGNER OR VERIFICATION OF ANY CHANGES.

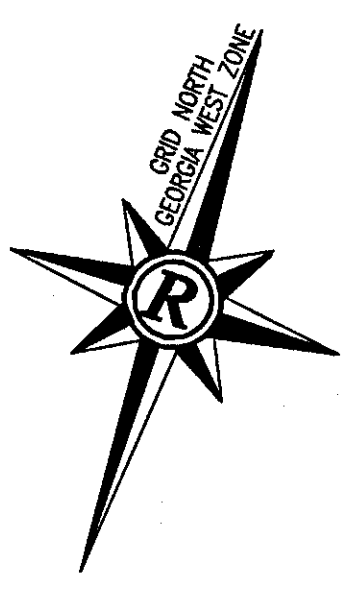
NO.	DATE	DESCRIPTION	REVISIONS

GRAPHIC SCALE
15' 0" 30' 60'

GEORGIA REGISTERED PROFESSIONAL ENGINEER
KEDRICK C. SCOTT
#12223

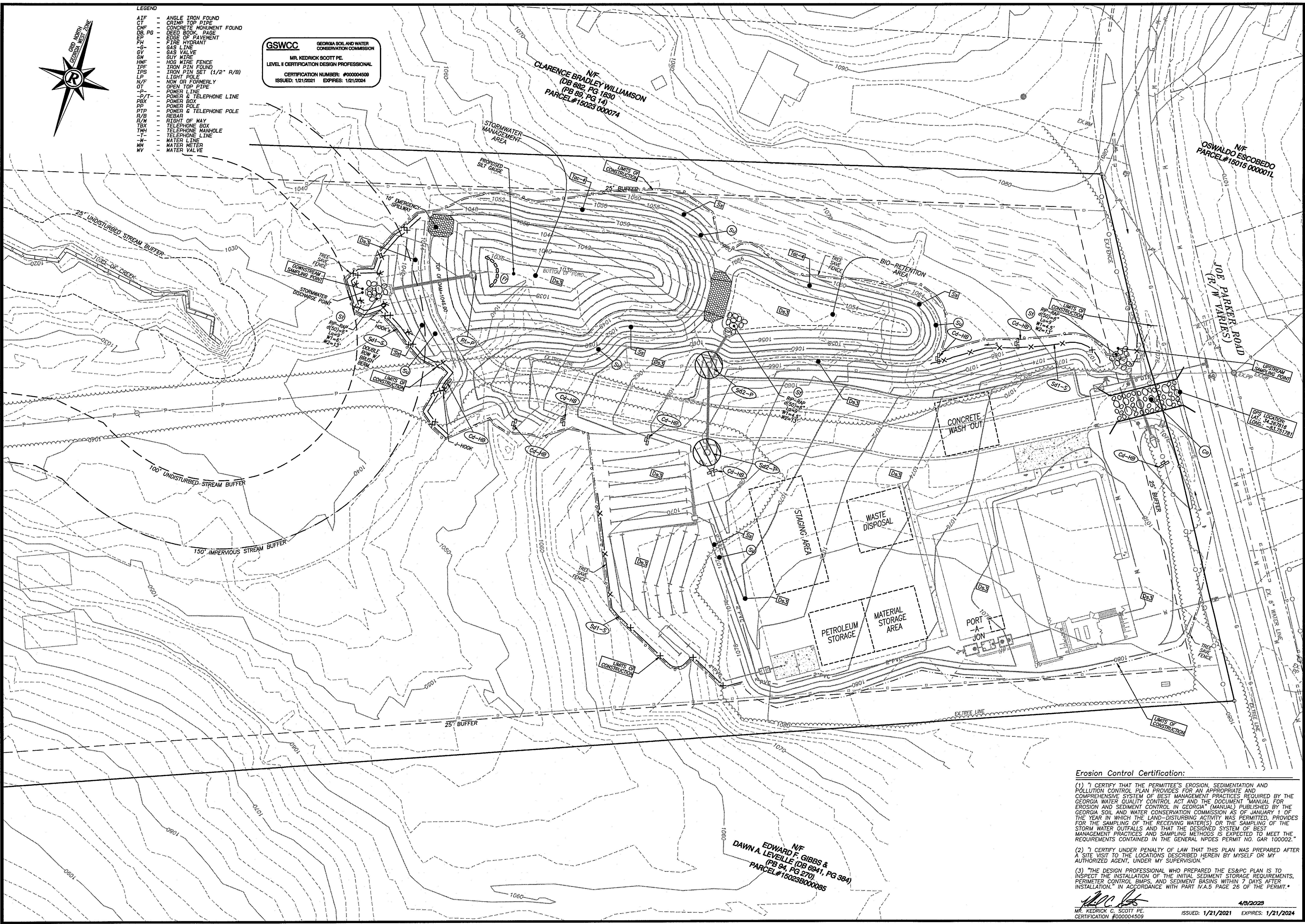
SHEET
9
OF
25

DATE: 4/7/2023
SCALE: 1" = 30'
FILE NO.: C2023174.DWG
DRAWN BY: SWS



- LEGEND**
- ATF ANGLE IRON FOUND
 - CTF CONCRETE TOP PIPE
 - CMF CONCRETE MONUMENT FOUND
 - DB PG DEED BOOK PAGE
 - EP PG EDGE OF PAVEMENT
 - FH FIRE HYDRANT
 - GL GAS LINE
 - GV GAS VALVE
 - GW GUY WIRE
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 - R/W RIGHT OF WAY
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 - TMH TELEPHONE MANHOLE
 - T TELEPHONE LINE
 - W WATER LINE
 - WM WATER METER
 - WV WATER VALVE

GSWCC GEORGIA SOIL AND WATER CONSERVATION COMMISSION
 MR. KEDRICK SCOTT PE.
 LEVEL II CERTIFICATION DESIGN PROFESSIONAL
 CERTIFICATION NUMBER: #000004509
 ISSUED: 1/21/2021 EXPIRES: 1/21/2024



Rochester | **DCCM**
 Rochester and Associates, LLC
 425 Oak St NW, Gainesville, GA 30501
 770.718.0600 p | www.rochester-assoc.com

EROSION CONTROL PHASE 3 - FINAL
 FOR:
JOE PARKER FACILITY
 SPECIAL EVENTS FACILITY
 LOCATED IN C.M.D.# 4 ROAD
 3210 JOE PARKER ROAD
 HALL COUNTY, GEORGIA

NO.	DATE	DESCRIPTION	REVISIONS



SHEET
10
 OF
25

DATE: 4/9/2023
 SCALE: 1" = 30'
 JOB NO.: 022927L/PR
 FILE NO.: 4-CONSTR
 DRAWN BY: SWS

Erosion Control Certification:

(1) I CERTIFY THAT THE PERMITTEE'S EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN PROVIDES FOR AN APPROPRIATE AND COMPREHENSIVE SYSTEM OF BEST MANAGEMENT PRACTICES REQUIRED BY THE GEORGIA WATER QUALITY CONTROL ACT AND THE DOCUMENT "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" (MANUAL) PUBLISHED BY THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION AS OF JANUARY 1 OF THE YEAR IN WHICH THE LAND-DISTURBING ACTIVITY WAS PERMITTED, PROVIDES FOR THE SAMPLING OF THE RECEIVING WATER(S) OR THE SAMPLING OF THE STORM WATER OUTFALLS AND THAT THE DESIGNED SYSTEM OF BEST MANAGEMENT PRACTICES AND SAMPLING METHODS IS EXPECTED TO MEET THE REQUIREMENTS CONTAINED IN THE GENERAL NPDES PERMIT NO. GAR 100002.

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Kedrick C. Scott
 MR. KEDRICK C. SCOTT PE.
 CERTIFICATION #000004509
 ISSUED: 1/21/2021 EXPIRES: 1/21/2024

DISTURBED AREA STABILIZATION (WITH MULCHING ONLY) **Ds1**

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

PURPOSE
-To reduce runoff and erosion
-To conserve moisture
-To prevent surface compaction or crusting
-To control undesirable vegetation
-To modify soil temperature
-To increase biological activity in the soil

REQUIREMENT FOR REGULATORY COMPLIANCE
Mulch or temporary greening shall be applied to all exposed areas within 14 days of disturbance. Mulch can be used as a singular erosion control device for up to six months, but it shall be applied at the appropriate depth, depending on the material used, anchored and have a continuous 90% cover or greater of the soil surface.

Maintenance shall be employed to maintain appropriate depth and 90% cover. Temporary vegetation may be required instead of mulch if the area will remain undisturbed for less than six months.

If any area will remain undisturbed for greater than six months, permanent vegetative techniques shall be employed. Refer to Disturbed Area Stabilization (With Temporary Seeding), Disturbed Area Stabilization (With Permanent Seeding), and Disturbed Area Stabilization (With Sodding).

SPECIFICATIONS
Mulching Without Seeding
This standard applies to graded or cleared areas where seedlings may not have a suitable growing season to produce an erosion retardant cover, but can be stabilized with a mulch cover.

Site Preparation
-Grade to permit the use of equipment for applying and anchoring mulch.
-Install needed erosion control measures as required such as dikes, diversions, berms, terraces and sediment barriers.
-Loosen compact soil to a minimum depth of 3 inches.

Mulching Materials
Select one of the following materials and apply at the depth indicated:
-Dry straw or hay shall be applied at a depth of 2 to 4 inches providing complete soil coverage. One advantage of this material is easy application.
-Wood waste (chips, sawdust or bark) shall be applied at a depth of 2 to 3 inches. Organic material from the clearing stage of development must remain on site, be chipped, and applied as mulch. This method of mulching can greatly reduce erosion control costs.
-Polyethylene film shall be secured over banks or stockpiled soil material for temporary protection. This material can be salvaged and re-used.
-Apply polyethylene film on exposed areas.

Anchoring Mulch
-Straw or hay mulch can be pressed into the soil with a disk harrow with the disk set straight or with a special "beaver disk." Disks may be smooth or serrated and should be 20 inches or more in diameter and 8 to 12 inches apart. The edge of the disk should be dull enough not to cut the mulch but to press it into the soil leaving much of it in an erect position. Straw or hay mulch shall be anchored immediately after application.

Stew or hay mulch spread with special blower-type equipment may be anchored. Tackifiers, binders and hydraulic mulch with tackifier specifically designed for seeding straw can be substituted for emulsified asphalt. Please refer to specification Tack-Tackifiers. Plastic mesh or netting with mesh no larger than one inch by one inch shall be installed according to manufacturer's specifications.
-Netting of the appropriate size shall be used to anchor wood waste. Openings of the netting shall not be larger than the average size of the wood waste chips.
-Polyethylene film shall be anchored trenched at the top as well as incrementally as necessary.

DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING) **Ds2**

DEFINITION
The establishment of temporary vegetative cover with fast growing seedlings for seasonal protection on disturbed or denuded areas.

PURPOSE
-To reduce runoff and sediment damage of down stream resources
-To protect the soil surface from erosion
-To improve wildlife habitat
-To improve aesthetics
-To improve infiltration and aeration as well as organic matter for permanent plantings

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

CONDITIONS
Temporary vegetative measures should be coordinated with permanent measures to assure economical and effective stabilization. Most types of temporary vegetation are ideal to use as companion crops until the permanent vegetation is established. Note: Some species of temporary vegetation are not appropriate for companion crop plantings because of their potential to out-compete the desired species (e.g. annual ryegrass). Contact NFCS or the local SWCD for more information.

SPECIFICATIONS
Grading and Seeding
Excessive water run-off shall be reduced by properly designed and installed erosion control practices such as cleared ditches, dikes, ditches, diversions, sediment berms and other structures.
No shaping or grading is required if slopes can be stabilized by hand-seeded vegetation or if hydraulic seeding equipment is to be used.
Seedbed Preparation
When a hydraulic seeder is used, seedbed preparation is not required. When using conventional or hand-seeding, seedbed preparation is not required if the soil material is loose and not sealed by rainfall.
When soil has been seeded by rainfall or con-ets of smooth soil slopes, the soil shall be pitted, trenched or otherwise scarified to provide a place for seed to lodge and germinate.

Line and Fertilizer
Agricultural lime is required unless soil tests indicate otherwise. Apply agricultural lime at a rate determined by soil test for pH. Quick acting lime should be incorporated to modify pH during the germination period. Six months should be considered when there is less than 2% organic matter in the soil. Graded areas require lime application. Soils must be tested to determine required amount of fertilizer and amendments. Fertilizer should be applied before land preparation and incorporated with a disk, spade, or chisel. On slopes too steep for or inaccessible to equipment, fertilizer shall be hydraulically applied, preferably in the first pass with seed and some hydraulic mulch, then topped with the remaining required application rate.

Seeding
Select a grass or grass-legume mixture suitable to the area and season of the year. Seed shall be applied uniformly by hand, cyclone seeder, drill, cultipacker-seeder, or hydraulic seeder (including seeding and fertilizer). Drill or cultipacker seeders should normally place seed one-quarter to one-half inch deep. Appropriate depth of planting is ten times the seed diameter. Soil should be "raked" lightly to cover seed with soil if seeded by hand. See Table 6-4-1.

Mulching
Temporary vegetation can, in most cases, be established without the use of mulch, provided there is little to no erosion potential. However, the use of mulch can often accelerate and enhance germination and vegetation establishment. Mulch without seeding should be considered for short term protection. Refer to Disturbed Area Stabilization (With Mulching Only).

Infestation
During times of drought, water shall be applied at a rate not causing runoff and erosion. The soil shall be thoroughly wetted to a depth that will insure germination of the seed. Subsequent applications should be made when needed.

DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION) **Ds3**

DEFINITION
The planting of perennial vegetation such as trees, shrubs, vines, grasses, or legumes on exposed areas for final permanent stabilization. Permanent perennial vegetation shall be used to achieve final stabilization.

PURPOSE
-To protect the soil surface from erosion
-To reduce damage from sediment and runoff to down-stream areas
-To control undesirable vegetation
-To improve aesthetics

REQUIREMENT FOR REGULATORY COMPLIANCE
This practice shall be applied immediately to rough graded areas that will be undisturbed for longer than six months. This practice or sodding shall be applied immediately to all areas at final grade. Final stabilization means that all soil disturbing activities at the site have been completed, and that for unpeared areas and areas not covered by permanent structures and areas located outside the waste disposal limits of a landfill cell that has been certified by the GA EPD for waste disposal, 100% of the soil surface is uniformly covered in permanent vegetation with a density of 70% or greater, or landscaped according to the Plan (uniformly covered with landscaping materials in planned landscaped areas), or equivalent permanent stabilization measures. Permanent vegetation shall consist of planted trees, shrubs, perennial vines or a crop of perennial vegetation appropriate for the region, such that within the growing season a 70% coverage by perennial vegetation shall be achieved. Final stabilization applies to each phase of construction. For tree construction projects on land used for agricultural or silvicultural purposes, final stabilization may be accomplished by stabilizing the disturbed land for its agricultural or silvicultural use. Until the standard is satisfied and permanent control measures and facilities are operational, intermediate erosion and sediment control measures shall not be removed.

CONDITIONS
Permanent perennial vegetation is used to provide a protective cover for exposed areas including dikes, ditches, and other denuded areas.

PLANNING CONSIDERATIONS
-Use conventional planting methods where possible.
-When mixed plantings are done during marginal planting periods, companion crops shall be used.
-No-ill planting is effective when planting is done following a summer or winter annual cover crop. Before seedbed preparation no-ill stands of rye is an excellent procedure.
-Block sod provides immediate cover. It is especially effective in eroding erosion adjacent to concrete basins and other structures. Refer to Specification Disturbed Area Stabilization (With Sodding).
-Ingrain should be used when the soil is dry or when summer plantings are done.
-Low maintenance plants, as well as natives, should be used to ensure long-lasting erosion control.
-Mowing should not be performed during the quail nesting season (May to September).
-Wildlife plantings should be included in critical area plantings.
Commercially available plants beneficial to wildlife species include the following:
-Mead Beech Tree
-Beech, Black Cherry, Blackgum, Chestnut, Chickpea, Hickory, Honey Locust, Native Oak, Persimmon, Sawtooth Oak and Sweetgum.
-All trees that produce nuts or fruits are favored by many game species. Hickory provides nuts used mainly by squirrels and deer.
-Shrubs and Small Trees
-Bayberry, Bicolor Leaved, Crabapple, Dog-wood, Huckleberry or Native Blueberry, Mountain Laurel, Native Holly, Red Cedar, Red Mulberry, Sumac, Wax Myrtle, Wild Plum and Blackberry.
-Plant in patches without tall trees to develop stable shrub communities. All produce fruits used by many kinds of wildlife, except leopards which produce seeds used by quail and songbirds.
-Grasses, Legumes, Vines and Temporary Cover
-Bahia grasses, Bermudagrass, Green-Legume mixtures, Partridge Pea, Annual Leaved, Orchardgrass (for mountains), Bromus Millet (for temporary cover), and Native grasses.
-Provide herbaceous cover in clearings for a game bird brood-rearing habitat. Appropriate legumes such as vetches, clovers, and lespedeza may be mixed with grass, but they may die out after a few years.

CONSTRUCTION SPECIFICATIONS
Grading and Shaping
Grading and shaping may not be required when hydraulic seeding and fertilizing equipment is to be used. Vertical bars shall be spaced to enable plant establishment.
When conventional seeding and fertilizing are to be done, grade and slope when feasible and practical, so that equipment can be used safely and efficiently during seedbed preparation, seeding, mulching and maintenance of the vegetation.
Concentrations of water that will cause excessive soil erosion shall be diverted to a safe outlet. Diversions and other treatment practices shall conform with the appropriate standards and specifications.
Line and Fertilizer
Agricultural lime is required at the rate of one to two tons per acre unless soil tests indicate otherwise. Graded areas require lime application. If lime is applied within six months of planting permanent perennial vegetation, additional lime is not required. Agricultural lime shall be within the specifications of the Georgia Department of Agriculture.
Line spread by conventional equipment shall be "ground limestone." Ground limestone is calcitic or dolomitic limestone ground to no less than 80 percent of the material will pass through a 10-mesh sieve, not less than 50 percent will pass through a 60-mesh sieve and not less than 25 percent will pass through a 100-mesh sieve.
Fast-acting lime spread by hydraulic seeding equipment should be "finely ground limestone" separating from the 180 micron size to the 5 micron size. Finely ground limestone is calcitic or dolomitic limestone ground so that 95 percent of the material will pass through a 100-mesh sieve.
Fast-acting lime spread by hydraulic seeding equipment should be "finely ground limestone" separating from the 180 micron size to the 5 micron size. Finely ground limestone is calcitic or dolomitic limestone ground so that 95 percent of the material will pass through a 100-mesh sieve.
It is desirable to use dolomite limestone in the Sand Hills, Southern Coastal Plain and Atlantic Coast Piedmont MLRA. (See Figure 6-4-1.)
Agricultural lime is generally not required where only trees are planted.

Initial fertilization, nitrogen, topdressing, and maintenance fertilizer requirements for each species or combination of species are listed in Table 6-5-1.

Line and Fertilizer Application
When hydraulic seeding equipment is used, the initial fertilizer shall be mixed with seed, inoculant (if needed), and wood cellulose or wood pulp fiber mulch and applied in a slurry. The inoculant, if needed, shall be mixed with the seed prior to being placed into the hydraulic seeder. The slurry mixture will be agitated during application to keep the ingredients thoroughly mixed. The mixture will be spread uniformly over the area within one hour after being placed in the hydraulic seeder.
Finely ground limestone can be applied in the mulch slurry or in combination with the top dressing.
When conventional planting is to be done, lime and fertilizer shall be applied uniformly in one of the following ways:
-Apply before land preparation so that it will be mixed with the soil during seedbed preparation.
-Mix with the soil used to fill the hole, distribute in furrows.
-Broadcast after steep slopes are scarified, pitted or trenched.
-A fertilizer pellet shall be placed at root depth in the closing hole beside each pine tree seeding.

Plant Selection
Refer to Tables 6-4-1, 6-4-2, 6-4-3, 6-4-4 and 6-4-5 for approved species. Species not listed shall be approved by the State Resources Conservationist of the Natural Resources Conservation Service before they are used.
Plants shall be selected on the basis of species characteristics, site and soil conditions, planned use and maintenance of the area; time of year of planting; method of planting; and the needs and desires of the land user.
Other perennials, such as Bahia grass and Sericea Lespedeza, are slow to become established and should be planted with another perennial species. The additional species will provide quick cover and ample soil protection until the target perennial species become established. For example, Common seedling combinations are 1) Weeping Lovegrass with Sericea Lespedeza (scarified) and 2) Tall Fescue with Sericea Lespedeza (scarified).

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

Ds2 CONTINUED
Byes shall not be used in any seeding mixture containing perennial species due to its ability to out-compete desired species chosen for permanent perennial cover.

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

EXAMPLE:
Common Bermuda seed 70% germination, 80% purity
PLS = 70% germination x 80% purity PLS = 56%
The percent of PLS helps you determine the amount of seed you need. If the seeding rate is 10 pounds PLS and the bulk seed is 56% PLS, the bulk seeding rate is:
-10 lbs. PLS/56% = 17.9 lbs/bu/66% PLS
-You would need to plant 17.9 lbs/bu to provide 10 lbs/bu of pure live seed.

Seedbed Preparation
Seedbed preparation may not be required when hydraulic seeding and fertilizing equipment is to be used (but is strongly recommended for any seeding process, when possible). When conventional seeding is to be used, seedbed preparation will be done as follows:
-Tillage, at a minimum, shall adequately loosen the soil to a depth of 4 to 6 inches; elevate compacted; incorporate lime and fertilizer; smooth and firm the soil; allow for the proper placement of seed, sprig, or plant; and allow for the anchoring of straw or hay mulch if a disk is to be used.
-Tillage may be done with any suitable equipment.
-Tillage should be done on the contour where feasible.
-On slopes too steep for the seedbed preparation equipment, the soil surface shall be pitted or trenched across the slope with appropriate hand tools to provide two places 6 to 8 inches apart in which seed may lodge and germinate. Hydraulic seeding may also be used.

Broadcast Plantings
-Tillage, at a minimum, shall adequately loosen the soil to a depth of 4 to 6 inches; elevate compacted; incorporate lime and fertilizer; smooth and firm the soil; allow for the proper placement of seed, sprig, or plant; and allow for the anchoring of straw or hay mulch if a disk is to be used.
-Tillage may be done with any suitable equipment.
-Tillage should be done on the contour where feasible.
-On slopes too steep for the seedbed preparation equipment, the soil surface shall be pitted or trenched across the slope with appropriate hand tools to provide two places 6 to 8 inches apart in which seed may lodge and germinate. Hydraulic seeding may also be used.

Individual Plants
-Where individual plants are to be set, the soil shall be prepared by excavating holes, opening furrows, or ribble planting.
-For nursery stock plants, holes shall be large enough to accommodate roots without crowding. Where site drainage is to be provided, holes shall be dug to the row 30 inches deep on the contour for 4 to 6 months prior to planting. Subsoiling should be done when the soil is dry, preferably in August or September.
-Block sod provides immediate cover. It is especially effective in eroding erosion adjacent to concrete basins and other structures. Refer to Specification Disturbed Area Stabilization (With Sodding).
-Ingrain should be used when the soil is dry or when summer plantings are done.
-Low maintenance plants, as well as natives, should be used to ensure long-lasting erosion control.
-Mowing should not be performed during the quail nesting season (May to September).
-Wildlife plantings should be included in critical area plantings.
Commercially available plants beneficial to wildlife species include the following:
-Mead Beech Tree
-Beech, Black Cherry, Blackgum, Chestnut, Chickpea, Hickory, Honey Locust, Native Oak, Persimmon, Sawtooth Oak and Sweetgum.
-All trees that produce nuts or fruits are favored by many game species. Hickory provides nuts used mainly by squirrels and deer.
-Shrubs and Small Trees
-Bayberry, Bicolor Leaved, Crabapple, Dog-wood, Huckleberry or Native Blueberry, Mountain Laurel, Native Holly, Red Cedar, Red Mulberry, Sumac, Wax Myrtle, Wild Plum and Blackberry.
-Plant in patches without tall trees to develop stable shrub communities. All produce fruits used by many kinds of wildlife, except leopards which produce seeds used by quail and songbirds.
-Grasses, Legumes, Vines and Temporary Cover
-Bahia grasses, Bermudagrass, Green-Legume mixtures, Partridge Pea, Annual Leaved, Orchardgrass (for mountains), Bromus Millet (for temporary cover), and Native grasses.
-Provide herbaceous cover in clearings for a game bird brood-rearing habitat. Appropriate legumes such as vetches, clovers, and lespedeza may be mixed with grass, but they may die out after a few years.

CONSTRUCTION SPECIFICATIONS
Grading and Shaping
Grading and shaping may not be required when hydraulic seeding and fertilizing equipment is to be used. Vertical bars shall be spaced to enable plant establishment.
When conventional seeding and fertilizing are to be done, grade and slope when feasible and practical, so that equipment can be used safely and efficiently during seedbed preparation, seeding, mulching and maintenance of the vegetation.
Concentrations of water that will cause excessive soil erosion shall be diverted to a safe outlet. Diversions and other treatment practices shall conform with the appropriate standards and specifications.
Line and Fertilizer
Agricultural lime is required at the rate of one to two tons per acre unless soil tests indicate otherwise. Graded areas require lime application. If lime is applied within six months of planting permanent perennial vegetation, additional lime is not required. Agricultural lime shall be within the specifications of the Georgia Department of Agriculture.
Line spread by conventional equipment shall be "ground limestone." Ground limestone is calcitic or dolomitic limestone ground to no less than 80 percent of the material will pass through a 10-mesh sieve, not less than 50 percent will pass through a 60-mesh sieve and not less than 25 percent will pass through a 100-mesh sieve.
Fast-acting lime spread by hydraulic seeding equipment should be "finely ground limestone" separating from the 180 micron size to the 5 micron size. Finely ground limestone is calcitic or dolomitic limestone ground so that 95 percent of the material will pass through a 100-mesh sieve.
Fast-acting lime spread by hydraulic seeding equipment should be "finely ground limestone" separating from the 180 micron size to the 5 micron size. Finely ground limestone is calcitic or dolomitic limestone ground so that 95 percent of the material will pass through a 100-mesh sieve.
It is desirable to use dolomite limestone in the Sand Hills, Southern Coastal Plain and Atlantic Coast Piedmont MLRA. (See Figure 6-4-1.)
Agricultural lime is generally not required where only trees are planted.

Initial fertilization, nitrogen, topdressing, and maintenance fertilizer requirements for each species or combination of species are listed in Table 6-5-1.

Line and Fertilizer Application
When hydraulic seeding equipment is used, the initial fertilizer shall be mixed with seed, inoculant (if needed), and wood cellulose or wood pulp fiber mulch and applied in a slurry. The inoculant, if needed, shall be mixed with the seed prior to being placed into the hydraulic seeder. The slurry mixture will be agitated during application to keep the ingredients thoroughly mixed. The mixture will be spread uniformly over the area within one hour after being placed in the hydraulic seeder.
Finely ground limestone can be applied in the mulch slurry or in combination with the top dressing.
When conventional planting is to be done, lime and fertilizer shall be applied uniformly in one of the following ways:
-Apply before land preparation so that it will be mixed with the soil during seedbed preparation.
-Mix with the soil used to fill the hole, distribute in furrows.
-Broadcast after steep slopes are scarified, pitted or trenched.
-A fertilizer pellet shall be placed at root depth in the closing hole beside each pine tree seeding.

Plant Selection
Refer to Tables 6-4-1, 6-4-2, 6-4-3, 6-4-4 and 6-4-5 for approved species. Species not listed shall be approved by the State Resources Conservationist of the Natural Resources Conservation Service before they are used.
Plants shall be selected on the basis of species characteristics, site and soil conditions, planned use and maintenance of the area; time of year of planting; method of planting; and the needs and desires of the land user.
Other perennials, such as Bahia grass and Sericea Lespedeza, are slow to become established and should be planted with another perennial species. The additional species will provide quick cover and ample soil protection until the target perennial species become established. For example, Common seedling combinations are 1) Weeping Lovegrass with Sericea Lespedeza (scarified) and 2) Tall Fescue with Sericea Lespedeza (scarified).

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

PLANTS, PLANTING RATES, AND PLANTING DATES FOR TEMPORARY COVER OR COMPANION CROPS

SPECIES	BROADCAST RATES	PLS PER 1000 FT ²	AREA 4/	PLANTING DATES BY RESOURCE AREAS												REMARKS
				(DOUBLE LINES INDICATE OPTIMUM DATES, SINGLE LINES INDICATE PERMISSIBLE BUT MARGINAL DATES.)												
BARLEY (Hordeum vulgare)	3 bu. (144 lbs.)	3.3 lbs. P		J	F	M	A	M	J	J	A	S	O	N	D	14,000 SEED PER POUND. WINTER HARDY. USE ON PRODUCTIVE SOILS.
ALONE																
IN MIXTURES	1/2 bu. (24 lbs.)	0.6 lbs. P														
LESPEDeza (Sericea) (Lespedeza striata)	40 lbs. (1.6 bu.)	0.9 lbs. P		J	F	M	A	M	J	J	A	S	O	N	D	200,000 SEED PER POUND. MAY VOLUNTARILY FOR SEVERAL YEARS. USE INOCULANT EL.
ALONE																
IN MIXTURES	10 lbs. (0.2 bu.)	0.2 lbs. P														
LOVEGRASS, WEEPING (Eragrostis curvula)	4 lbs. (0.16 bu.)	0.1 lbs. P		J	F	M	A	M	J	J	A	S	O	N	D	1,500,000 SEED PER POUND. WINTER HARDY. USE ON SEVERAL YEARS. MIX WITH SERICEA LESPEDeza.
ALONE																
IN MIXTURES	2 lbs. (0.08 bu.)	0.05 lbs. P														
MILLET, BROWNTOP (Panicum polycarpum)	40 lbs. (1.6 bu.)	0.9 lbs. P		J	F	M	A	M	J	J	A	S	O	N	D	137,000 SEED PER POUND. QUICK DENSE COVER. MAY REACH 5' IN HEIGHT. NOT RECOMMENDED FOR MIXTURES.
ALONE																
IN MIXTURES	10 lbs. (0.2 bu.)	0.2 lbs. P														
MILLET, PEARL (Pennisetum glaucum)	50 lbs. (2.0 bu.)	1.1 lbs. P		J	F	M	A	M	J	J	A	S	O	N	D	88,000 SEED PER POUND. QUICK DENSE COVER. MAY REACH 5' IN HEIGHT. NOT RECOMMENDED FOR MIXTURES.
ALONE																
IN MIXTURES	N/A	N/A														
OATS (Avena sativa)	4 bu. (2.9 bu.)	2.9 lbs. P		J	F	M	A	M	J	J	A	S	O	N	D	13,000 SEED PER POUND. USE ON PRODUCTIVE SOIL. NOT AS WINTER HARDY AS RYE OR BARLEY.
ALONE																
IN MIXTURES	1 bu. (0.7 bu.)	0.7 lbs. P														
RYE (Secale cereale)	3 bu. (3.9 bu.)	3.9 lbs. P		J	F	M	A	M	J	J	A	S	O	N	D	18,000 SEED PER POUND. QUICK DENSE COVER. DROUGHT TOLERANT AND WINTER-HARDY.
ALONE																
IN MIXTURES	1/2 bu. (6 lbs.)	0.6 lbs. P														
RYEGRASS, ANNUAL (Lolium temulentum)	40 lbs. (1.6 bu.)	0.9 lbs. P		J	F	M	A	M	J	J	A	S	O	N	D	227,000 SEED PER POUND. DENSE COVER. VERY COMPETITIVE AND IS NOT TO BE USED IN MIXTURES.
ALONE																
IN MIXTURES	N/A	N/A														
SUDANGRASS (Sorghum sudanense)	60 lbs. (2.4 bu.)	1.4 lbs. P		J	F	M	A	M	J	J	A	S	O	N	D	45,000 SEED PER POUND. GOOD ON DROUGHTY SITES. NOT RECOMMENDED FOR MIXTURES.
ALONE																
IN MIXTURES	N/A	N/A														
WHEAT (Triticum aestivum)	3 bu. (4.1 bu.)	4.1 lbs. P		J	F	M	A	M	J	J	A	S	O	N	D	15,000 SEED PER POUND. WINTER HARDY.
ALONE																
IN MIXTURES	1/2 bu. (6 lbs.)	0.7 lbs. P														

PLANTS, PLANTING RATES, AND PLANTING DATES FOR PERMANENT COVER

SPECIES	BROADCAST RATES	PLS PER 1000 FT ²	AREA 3/	PLANTING DATES BY RESOURCE AREAS												REMARKS
				(SOLID LINES INDICATE OPTIMUM DATES, DOTTED LINES INDICATE PERMISSIBLE BUT MARGINAL DATES.)												
Bahia, Pensacola (Paspalum notatum)	60 lbs. (2.4 bu.)	1.4 lbs. P		J	F	M	A	M	J	J	A	S	O	N	D	166,000 SEED PER POUND. LOW GROWING. SOD FORMING. SLOW TO ESTABLISH. PLANT WITH COMPANION CROP. WILL SPREAD INTO BERMDUDA PASTURES AND LAWNS. MIX WITH SERICEA LESPEDeza OR WEEPING LOVEGRASS.
ALONE or with temporary cover with other perennials																
Bahia, Wilmington (Paspalum notatum)	60 lbs. (2.4 bu.)	1.4 lbs. P		J	F	M	A	M	J	J	A	S	O	N	D	SAME AS ABOVE.
ALONE or with temporary cover with other perennials																
Bermuda Common (Cynodon dactylon)	10 lbs. (0.2 bu.)	0.2 lbs. P		J	F	M	A	M	J	J	A	S	O	N	D	1,787,000 SEED PER POUND. QUICK COVER. LOW GROWING AND SOD FORMING. FULL SUN. GOOD FOR ATHLETIC FIELDS.
ALONE or with other perennials																
Bermuda Common (Cynodon dactylon)	10 lbs. (0.2 bu.)	0.2 lbs. P		J	F	M	A	M	J	J	A	S	O	N	D	PLANT WITH WINTER ANNUALS. PLANT WITH TALL FESCUE.
ALONE or with other perennials																
Bermuda Springs (Pennisetum glaucum)	40 cu. ft. (0.9 cu. ft.)	0.9 cu. ft. P		J	F	M	A	M	J	J	A	S	O	N	D	A CUBIC FOOT CONTAINS APPROXIMATELY 650 SPRIGS. A BUSHEL CONTAINS 1.25 CUBIC FEET OR APPROXIMATELY 800 SPRIGS.
ALONE or with other perennials																
Centipede (Eriochloa ophiuroides)	Block sod only			J	F	M	A	M	J	J	A	S	O	N	D	DROUGHT TOLERANT. FULL SUN OR PARTIAL SHADE. EFFECTIVE ADAMANT TO CONCRETE AND IN CONCENTRATED FLOW AREAS. IRRIGATION IS NEEDED UNTIL FULLY ESTABLISHED. DO NOT PLANT NEAR PASTURES. WINTER HARDY AS FAR NORTH AS ATHENS AND ATLANTA.
ALONE or with other perennials																
Crownvetch (Coronilla varia)	15 lbs. (0.3 bu.)	0.3 lbs. P		J	F	M	A	M	J	J	A	S	O	N	D	100,000 SEED PER POUND. DENSE GROWTH. DROUGHT TOLERANT AND FIRE RESISTANT. ATTRACTIVE ROSE, PINK, AND WHITE BLOSSOMS SPRING TO LATE FALL. MIX WITH 30 POUNDS OF TALL FESCUE OR 15 POUNDS OF FINE-INOCULATE SEED WITH N INOCULANT. USE FROM NORTH ATLANTA AND NORTHWARD.
ALONE or with other perennials																
Fescue, Tall (Festuca arundinacea)	50 lbs. (2.0 bu.)	1.1 lbs. P		J	F	M	A	M	J	J	A	S	O	N	D	227,000 SEED PER POUND. USE ALONE ONLY ON BETTER SITES. MIX WITH PERENNIAL LOVEGRASS OR CROWNVETCH. APPLY TOP DRESSING IN SPRING FOLLOWING FALL PLANTING. NOT FOR HEAVY USE AREAS OR ATHLETIC FIELDS.</

CRITICAL WORK ZONE EROSION CONTROL NOTES:

SHADED AREAS SHOWN ON GRADING PHASE EROSION CONTROL PLANS REPRESENT CRITICAL WORK ZONES. AT THE END OF EACH WORK DAY ALL SLOPES 2:1 OR STEEPER AND HIGHER THAN 5 FEET SHALL RECEIVE SURFACE ROUGHENING, POLYMERS, AND EROSION CONTROL MATTING. ADDITIONALLY, ALL SLOPES SHALL RECEIVE A COVER ON DIKS AND TEMPORARY DOWN DRAINS ALONG THE TOP OF THE SLOPE PREVENTING DRAINAGE SPILLING OVER THE TOP OF THE SLOPE. THE TEMPORARY DOWN DRAINS SHALL BE CONSTRUCTED WITH REINFORCED STAIN STEEL AND THE TOP OF THE SLOPE AND RECONSTRUCTED EACH DAY AS THE SLOPE INCREASES IN HEIGHT.

CLEARING PHASE EROSION CONTROL NOTES:

PRIOR TO THE LAND DISTURBING CONSTRUCTION, THE CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH THE AREA SITE INSPECTOR. THE CONTRACTOR SHALL OBSERVE THE PROTECT SEQUENCE SHOWN ON THE PLANS. THE CONTRACTOR SHALL MAINTAIN CAREFUL SCHEDULING AND PERFORMANCE TO INSURE THAT LAND STRIPPED OF ITS NATURAL COVER IS EXPOSED ONLY IN SMALL QUANTITIES. THE OWNER AGREES TO PROVIDE AND MAINTAIN OFF-STREET PARKING ON THE SUBJECT PROPERTY DURING THE ENTIRE CONSTRUCTION PERIOD. NO STAGING AREAS, MATERIAL STORAGE, CONCRETE WASH OUT AREAS, OR DEBRIS BURN AND BURIAL HOLES SHALL BE LOCATED WITHIN 500 FEET OF DESIGNATED TREE PROTECTION AREAS. 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 DEMARCATED FOR THE DURATION OF THE CONSTRUCTION ACTIVITY. NO LAND DISTURBANCE SHALL OCCUR OUTSIDE THE APPROVED LIMITS INDICATED ON THE PLANS. PRIOR TO ANY OTHER CONSTRUCTION, A STABILIZED CONSTRUCTION ENTRANCE SHALL BE CONSTRUCTED AT EACH POINT OF ENTRY TO OR EXIT FROM THE SITE OR ONTO ANY PUBLIC ROADS. THE FOLLOWING EROSION INITIAL EROSION CONTROL MEASURES SHALL BE IMPLEMENTED PRIOR TO ANY OTHER CONSTRUCTION ACTIVITY.

1. THE CONSTRUCTION EXIT, CONSISTING OF A MINIMUM PAD SIZE OF 20 FEET BY 50 FEET WITH MINIMUM OF 6" TOP DRESSING SHALL BE PLACED AS SHOWN ON THE PLAN. THE STONE SIZE SHOULD CONSIST OF COARSE AGGREGATE WITH 1-1/2" & 3-1/2" IN DIAMETER AND OVERLAP ON GEOTEXTILE UNDERLINER. THE ENTRANCE SHALL MEET THE REQUIREMENTS OF AASHTO M288-96, SECTION 7.3 SEPARATION REQUIREMENTS.

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

3. TYPE "S" SILT FENCE SHOULD BE INSTALLED AT THE PERIMETER OF THE DISTURBED AREA AS SHOWN ON THE PLAN. THE STONE SHOULD BE PLACED IN ACCORDANCE WITH THE MANUAL FOR EROSION CONTROL IN GEORGIA, TABLE 8-20.2. THE SILT FENCE SHOULD BE KEPT ERECT UNTIL ALL TIMES AND REPAIRED WHEN DAMAGED BY THE SITE INSPECTOR OR THE PROJECT DESIGN PROFESSIONAL OF RECORD. SILT SHOULD BE REMOVED WHEN ACCUMULATION REACHES 1/2 THE CAPACITY OF THE DEVICE. THE PERIMETER SILT FENCE SHOULD BE INSPECTED DAILY FOR 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 PLAN. SEE SEPARATE DETAILS FOR SPECIFICS OF TYPE OF INLET PROTECTION SPECIFIED.

5. TREE PROTECTION FENCING SHOULD BE INSTALLED PRIOR TO THE START OF ANY LAND DISTURBANCE ACTIVITY AND MAINTAINED UNTIL FINAL LANDSCAPE 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 UNDESIRABLE CONDITIONS EXIST IN THE FIELD THAT WARRANT ADDITIONAL EROSION CONTROL MEASURES, THE CONTRACTOR MUST CONSTRUCT ANY ADDITIONAL EROSION CONTROL DEVICES DEEMED NECESSARY BY THE SITE INSPECTION.

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.

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 ENGINEER OF RECORD.

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

ALL SILT FENCE MUST MEET THE REQUIREMENTS OF SECTION 177-TEMPORARY SILT CONTROL.

FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF GEORGIA STANDARD SPECIFICATIONS, 1983 EDITION.

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

MULCH OR TEMPORARY GRASS SHALL BE APPLIED TO ALL EXPOSED AREAS WITHIN 7 DAYS OF LAND DISTURBANCE.

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 1/2 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" STONE, AS CONDITIONS DEMAND. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLE ONTO PUBLIC ROADWAY OR INTO STORM DRAIN MUST BE REMOVED IMMEDIATELY.

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

EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE AS DIRECTED BY THE ON SITE INSPECTOR OR THE CIVIL ENGINEER.

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.

GRADING PHASE EROSION CONTROL NOTES:

DURING CONSTRUCTION THE CONTRACTOR SHALL MAINTAIN CAREFUL SCHEDULING AND PERFORMANCE TO ENSURE THAT LAND STRIPPED OF ITS NATURAL GROUND COVER IS EXPOSED ONLY IN SMALL QUANTITIES AND THEREFORE LIMITED DURATIONS. BEFORE PERMANENT EROSION PROTECTION IS ESTABLISHED, NOTE SUB PHASES SHOWN ON PLAN. EARTHWORK OPERATIONS IN THE VICINITY OF STREAM BUFFERS SHALL BE CAREFULLY CONTROLLED TO AVOID DUMPING OR SLOUGHING INTO THE BUFFER AREAS. THE FOLLOWING EROSION CONTROL MEASURES SHALL BE IMPLEMENTED DURING THE PRELIMINARY GRADING PHASE OF CONSTRUCTION.

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

EROSION CONTROL DEVICES SHALL BE INSTALLED IMMEDIATELY AFTER GROUND DISTURBANCE OCCURS. THE LOCATION OF SOME OF THE EROSION CONTROL DEVICES MAY HAVE TO BE ALTERED FROM THAT SHOWN ON THE APPROVED PLANS IF DRAINAGE PATTERNS DURING CONSTRUCTION ARE DIFFERENT FROM THE PROPOSED DRAINAGE PATTERNS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACCOMPLISH EROSION CONTROL FOR ALL DRAINAGE PATTERNS CREATED AT VARIOUS STAGES DURING CONSTRUCTION. ANY DIFFICULTY IN CONTROLLING EROSION DURING ANY PHASE OF CONSTRUCTION SHALL BE REPORTED TO THE DESIGN PROFESSIONAL IMMEDIATELY.

GRADING PHASE NOTES CONTINUED:

THE CONTRACTOR SHALL FURNISH AND MAINTAIN ALL NECESSARY BARRICADES WHILE ROADWAY FRONTAGE IMPROVEMENTS ARE BEING MADE. TYPE "S" SILT FENCE SHOULD BE INSTALLED AT THE TOE OF ALL FILL SLOPES 10 FEET OR GREATER IN HEIGHT. THE SILT FENCE SHOULD BE PLACED IN ACCORDANCE WITH THE MANUAL FOR EROSION CONTROL IN GEORGIA, TABLE 8-20.2. 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 CONSTRUCTED ALONG THE TOP OF SAID FILL SLOPES WITH THE USE OF TEMPORARY DOWN DRAINS TO CONTROL THE STORM WATER RUN OFF AS SHOWN ON THE PLANS.

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.

CUT AND FILL SLOPES ARE NOT TO EXCEED "2H:1V" ALL SLOPES STEEPER THAN 2:1 AND WITH A HEIGHT OF 10 FEET OR GREATER AND CUTS AND FILLS WITHIN STREAM BUFFERS SHALL BE STABILIZED WITH APPROPRIATE EROSION CONTROL MATTING OR BLANKETS. SEE SEPARATE DETAILS FOR ADDITIONAL INFORMATION.

INLET SEDIMENT PROTECTION MEASURES SHALL BE INSTALLED ON ALL STORM STRUCTURES AS THEY ARE CONSTRUCTED. SEE PLAN 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 HEADWALLS ARE CONSTRUCTED. SEE SEPARATE DETAILS 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.

MULCH OR TEMPORARY GRASSING SHALL BE APPLIED TO ALL EXPOSED AREAS WITHIN 7 DAYS OF LAND DISTURBANCE.

ALL DISTURBED AREAS LEFT MULCHED AFTER 14 DAYS SHALL BE STABILIZED WITH TEMPORARY GRASSING.

AFTER PRELIMINARY GRADING ACTIVITIES, THE CONTRACTOR SHALL CONSTRUCT THE PERMANENT STORMWATER POND AND INSTALL A SKIMMER AS SHOWN ON THE PLANS. THE CONTRACTOR SHALL MAINTAIN THE STORMWATER POND UNTIL PERMANENT GROUND COVER IS ESTABLISHED. SEDIMENT SHALL BE CLEANED OUT OF THE POND WHEN IT REACHES 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 1/2 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 THE PUBLIC RIGHT OF WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 1-3" STONE, AS CONDITIONS DEMAND. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLE ONTO PUBLIC ROADWAY OR INTO STORM DRAIN MUST BE REMOVED IMMEDIATELY.

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

EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE AS DIRECTED BY THE ON SITE INSPECTOR OR CIVIL ENGINEER.

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.

FINAL PHASE EROSION CONTROL NOTES:

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

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

MULCH OR TEMPORARY GRASSING SHALL BE APPLIED TO ALL EXPOSED AREAS WITHIN 7 DAYS OF LAND DISTURBANCE.

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

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

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

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

SEDIMENT AND EROSION CONTROL MEASURES SHOULD BE CHECKED AFTER EACH RAIN EVENT. EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED 1/2 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 THE PUBLIC RIGHT OF WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 1-3" STONE, AS CONDITIONS DEMAND. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLE ONTO PUBLIC ROADWAY OR INTO STORM DRAIN MUST BE REMOVED IMMEDIATELY.

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

EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE AS DIRECTED BY THE ON SITE INSPECTOR OR CIVIL ENGINEER.

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.

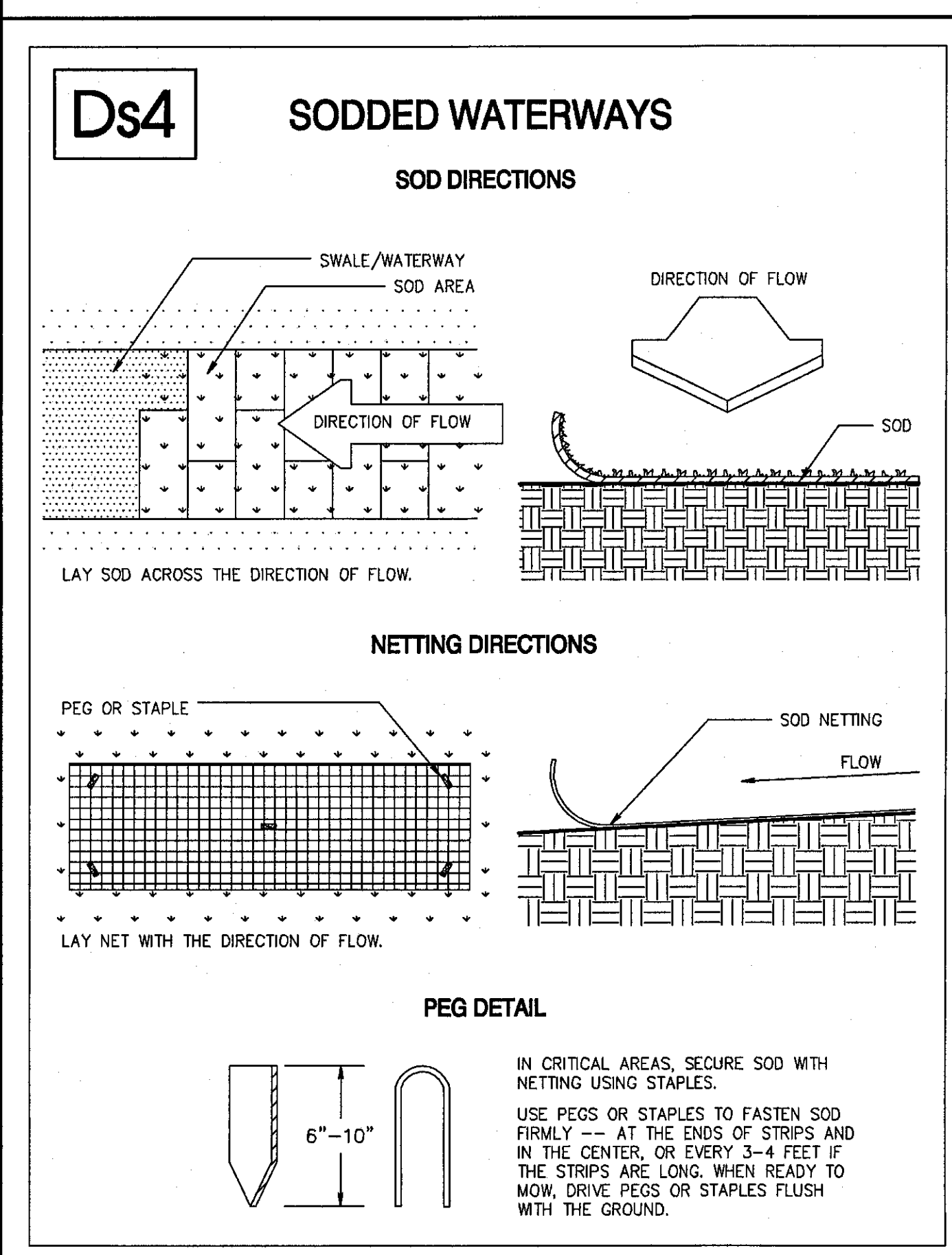
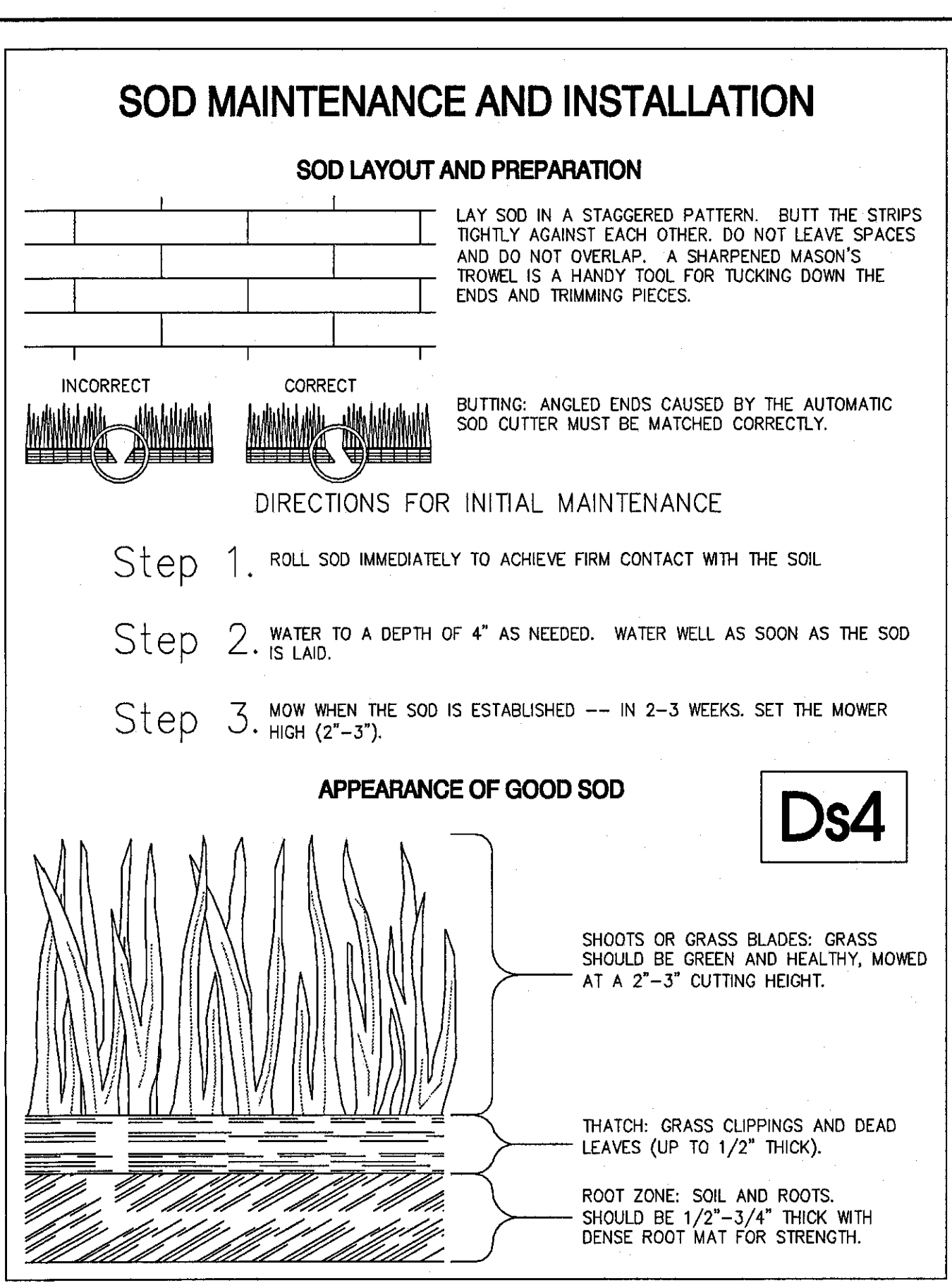
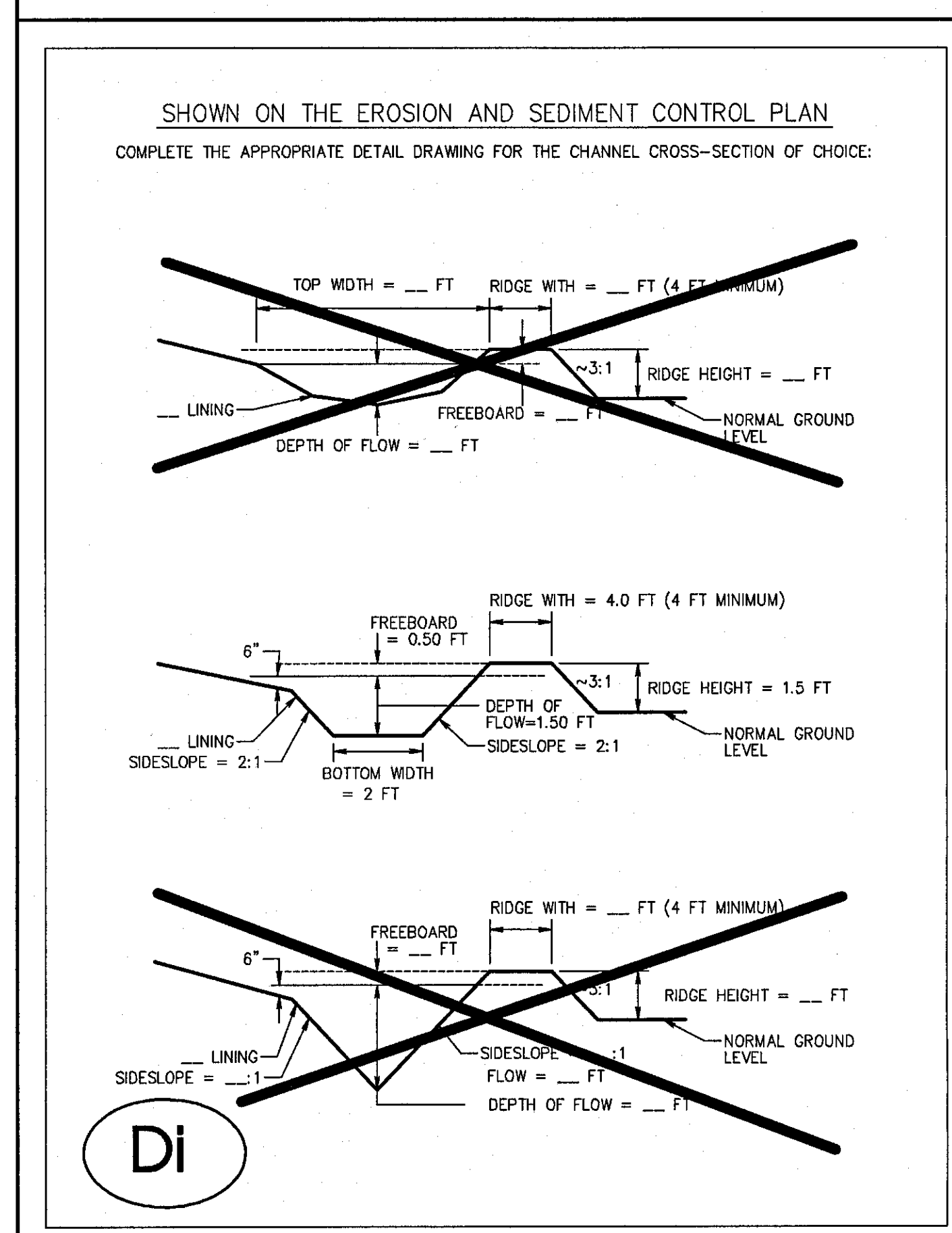
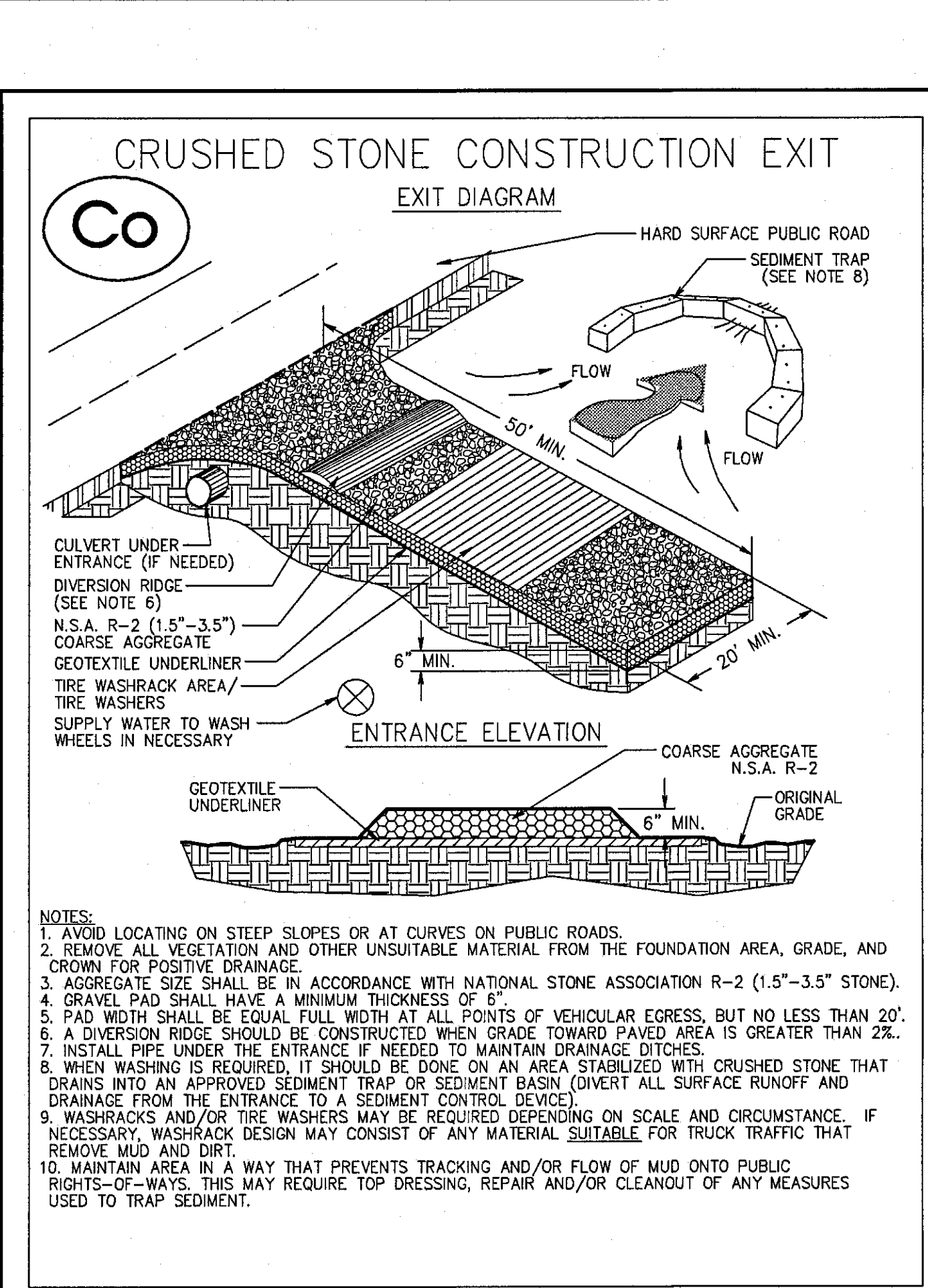
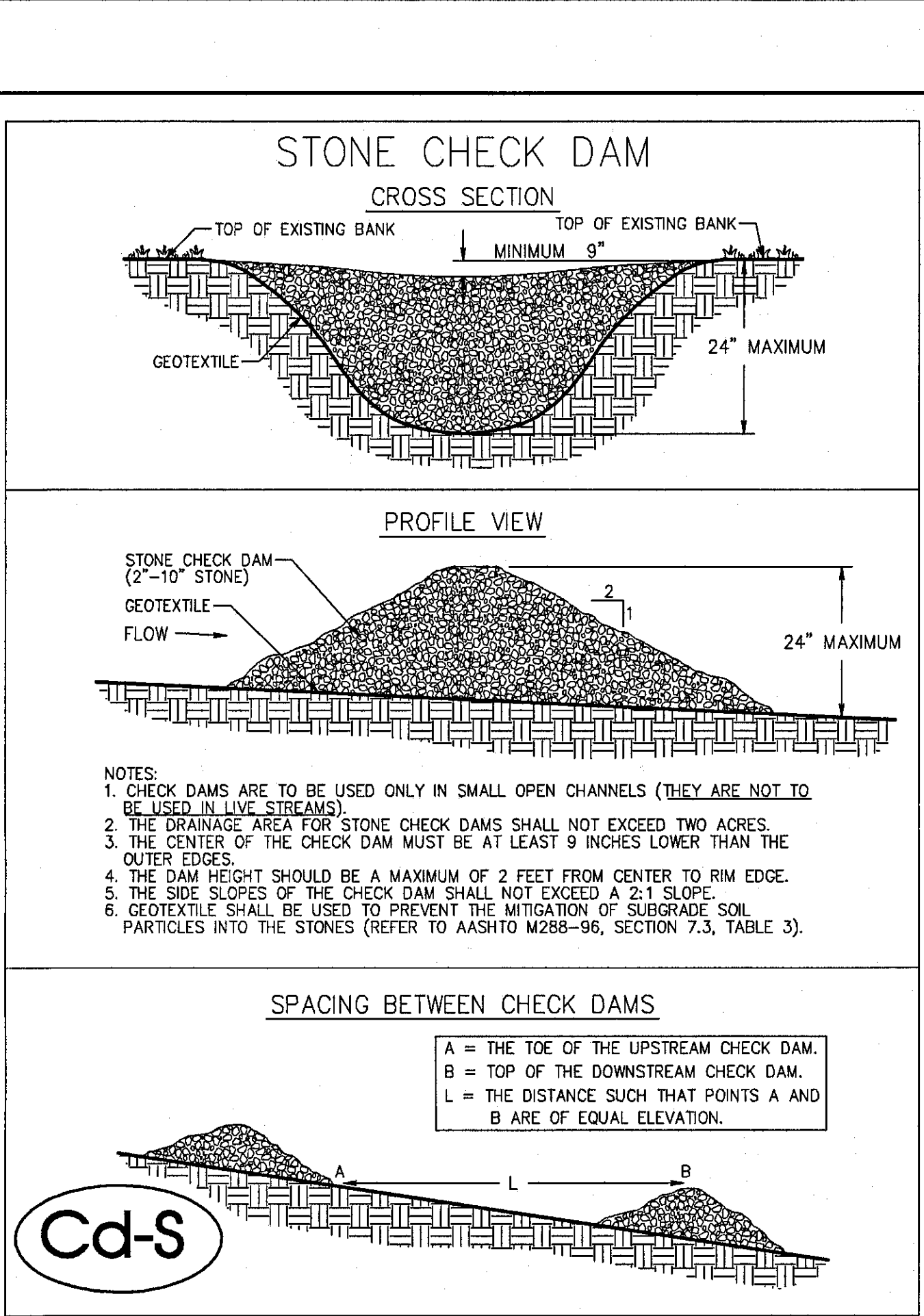
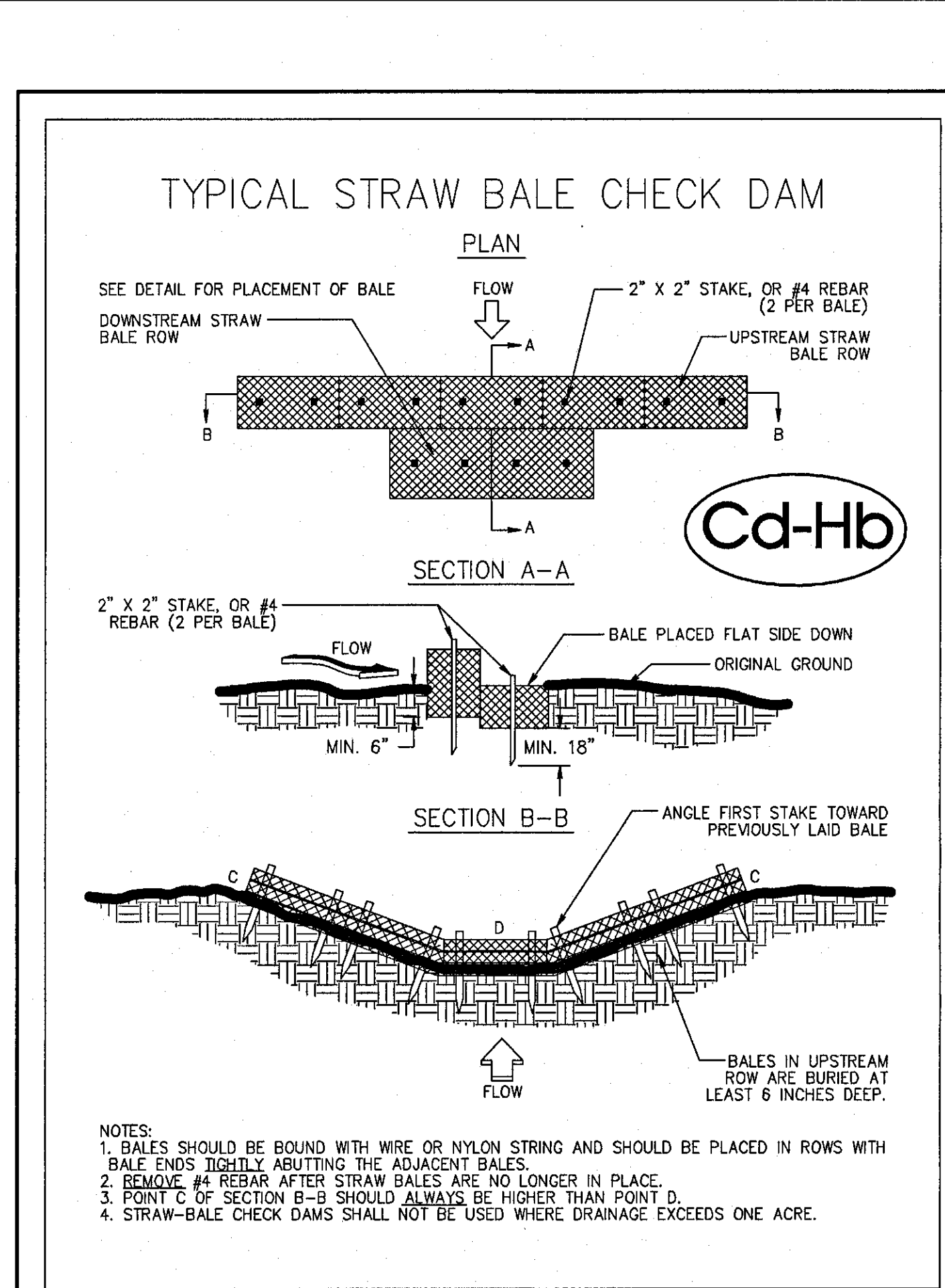
UPON COMPLETION OF THE PROJECT AND RECEIPT OF CERTIFICATE OF OCCUPANCY, THE CONTRACTOR SHALL REMOVE ALL TEMPORARY EROSION CONTROL MEASURES AND DISPOSE OF THEM UNLESS NOTED ON PLANS.

MR. KEDRICK SCOTT PE
LEVEL II CERTIFICATION DESIGN PROFESSIONAL

CERTIFICATION NUMBER: #000004509
ISSUED: 1/21/2021 EXPIRES: 1/21/2024

SYMBOL	SOIL SERIES, TEXTURE AND SLOPES	ERODIBILITY Kw (in/hr)	HYDROLOGIC SOIL GROUP	DEPTH TO HARD ROCK	CLASSIFICATION UNIFIED
C1C2	CECIL SANDY CLAY LOAM, 6 TO 10 PERCENT SLOPES, ERODED	0.17	B	>80"	CL, ML, SC, SW
LuE	IRON-WATEREE COMPLEX, 10 TO 25 PERCENT SLOPES	0.20	B	>80"	SC
PaE	PAOULET SANDY LOAM, 12 TO 25 PERCENT SLOPES	0.17	B	>80"	CL, ML, ML, CL
PuD2	PAOULET SOILS, 10 TO 15 PERCENT SLOPES, ERODED	0.24	B	>80"	CL, ML, ML

NOTE: SOILS INFORMATION TAKEN FROM NATIONAL COOPERATIVE SOIL SURVEY, NRCS SOIL RESOURCE REPORT AND WEB SOIL SURVEY.



SOIL CHART

SYMBOL	SOIL SERIES, TEXTURE AND SLOPES	ERODIBILITY Kw (in/hr)	HYDROLOGIC SOIL GROUP	DEPTH TO HARD ROCK	CLASSIFICATION UNIFIED
C1C2	CECIL SANDY CLAY LOAM, 6 TO 10 PERCENT SLOPES, ERODED	0.17	B	>80"	CL, ML, SC, SW
LuE	IRON-WATEREE COMPLEX, 10 TO 25 PERCENT SLOPES	0.20	B	>80"	SC
PaE	PAOULET SANDY LOAM, 12 TO 25 PERCENT SLOPES	0.17	B	>80"	CL, ML, ML, CL
PuD2	PAOULET SOILS, 10 TO 15 PERCENT SLOPES, ERODED	0.24	B	>80"	CL, ML, ML

NOTE: SOILS INFORMATION TAKEN FROM NATIONAL COOPERATIVE SOIL SURVEY, NRCS SOIL RESOURCE REPORT AND WEB SOIL SURVEY.

Rochester
Rochester and Associates, LLC
425 Oak St NW, Gainesville, GA 30501
770.718.0600 p | www.rochester-assoc.com

EROSION CONTROL NOTES & DETAILS FOR:
JOE PARKER SPECIAL EVENTS FACILITY
LOCATED IN G.M.D. 411
3210 JOE PARKER ROAD
HALL COUNTY, GEORGIA

ANY CHANGES OR ALTERATIONS MADE TO THESE CONSTRUCTION DRAWINGS WITHOUT WRITTEN A.C.C. APPROVAL OF THE DESIGNER AND ANY LIABILITY ASSOCIATED WITH THESE DRAWINGS ARE KEPT ON THE FILE FOR VERIFICATION OF ANY CHANGES.

NO.	DATE	DESCRIPTION	REVISIONS

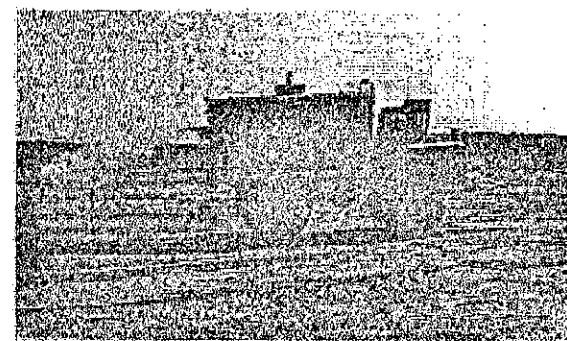
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LEVEL II CERTIFICATION DESIGN PROFESSIONAL
ISSUED: 1/21/2021 EXPIRES: 1/21/2024

GEORGIA REGISTERED PROFESSIONAL ENGINEER
KEDRICK C. SCOTT

SHEET 13 OF 25
DATE: 4/25/2023
SCALE: N.T.S.
JOB NO.: C221712.JPR
FILE NO.: C221712.JPR
DRAWN BY: SWS

Dust Control on Disturbed Areas

Du



DEFINITION

Controlling surface and air movement of dust on construction sites, roads, and demolition sites.

PURPOSE

- To prevent surface and air movement of dust from exposed soil surfaces.

- To reduce the presence of airborne substances which may be harmful or injurious to human health, welfare, or safety, or to animals or plant life.

CONDITIONS

This practice is applicable to areas subject to surface and air movement of dust where on and off-site damage may occur without treatment.

METHOD AND MATERIALS

A. TEMPORARY METHODS

Mulches. See standard Ds1 - Disturbed Area Stabilization (With Mulching Only). Synthetic resins may be used instead of asphalt to bind mulch material. Refer to standard Td-Tackifiers and Binders. Resins such as Curasol or Terrastack should be used according to manufacturer's recommendations.

Vegetative Cover. See standard Ds2 - Disturbed Area Stabilization (With Temporary Seeding).

Spray-on Adhesives. These are used on mineral soils (not effective on muck soils). Keep traffic off these areas. Refer to standard Td-Tackifiers and Binders.

Tillage. This practice is designed to roughen and bring clods to the surface. It is an emergency measure which should be used before wind erosion starts. Begin plowing on windward side of site. Chisel-type plows spaced about 12 inches apart, spring-toothed harrows, and similar plows are examples of equipment which may produce the desired effect.

Irrigation. This is generally done as an emergency treatment. Site is sprinkled with water until the surface is wet. Repeat as needed.

Barriers. Solid board fences, snowfences, burlap fences, crate walls, bales of hay and similar material can be used to control air currents and soil blowing. Barriers placed at right angles to prevailing currents at intervals of about 15 times their height are effective in controlling wind erosion.

Calcium Chloride. Apply at rate that will keep surface moist. May need retreatment.

B. PERMANENT METHODS

Permanent Vegetation. See standard Ds3 - Disturbed Area Stabilization (With Permanent Vegetation). Existing trees and large shrubs may afford valuable protection if left in place.

Topsolling. This entails covering the surface with less erosive soil material. See standard Tp - Topsolling.

Stones. Cover surface with crushed stone or coarse gravel. See standard Cr-Construction Road Stabilization.

GsSWCC (Amended - 2000)

6-81

Fr STONE FILTER RING

PERSPECTIVE VIEW

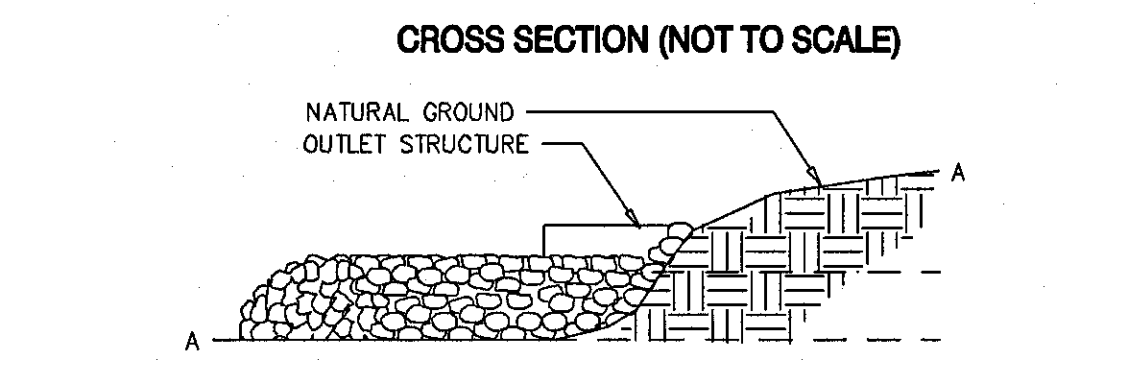
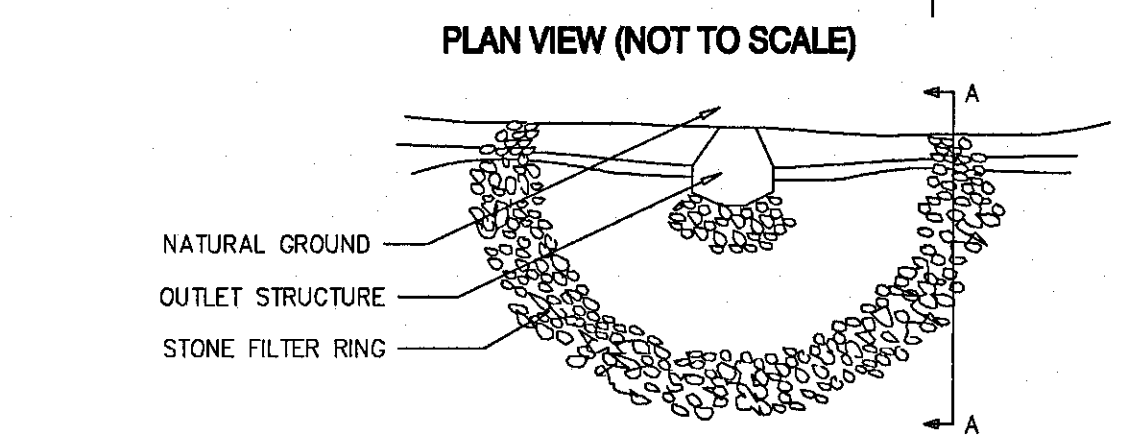
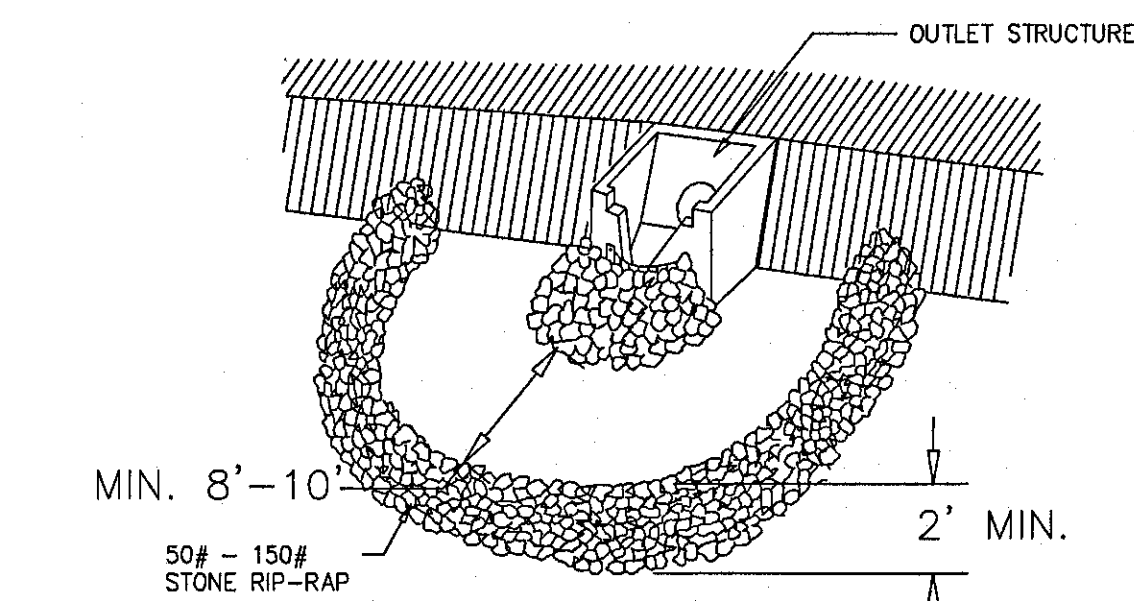


Table 6-27.2 Post Size

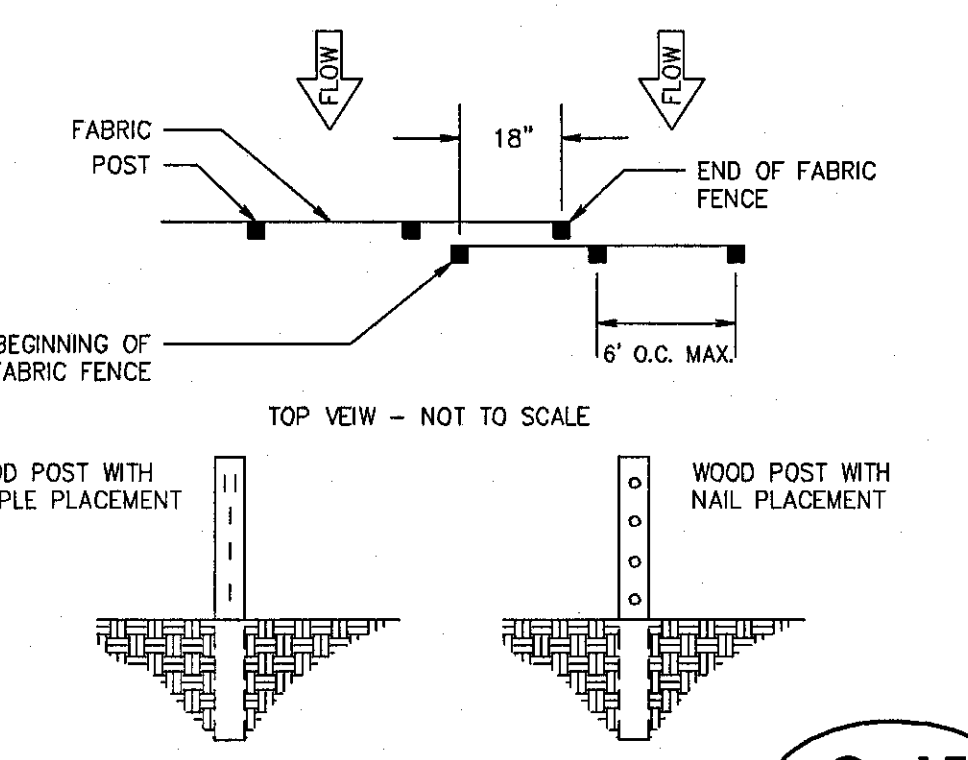
Type	Min Length	Type of Post	Size of Post
NS	4'	Soft wood Oak Steel	3" dia or 2x4 1.5" x 1.5" 1.15lb./ft. min
S	4'	Steel Oak	1.15-1.25 lb./ft. min 2"x2"

Table 6-27.3 Fasteners for Wood Posts

	Gauge	Crown	Legs	Staples / Post
Wire Staples	17 min.	3/4" wide	1/2" long	5 min.
Wire Staples	14 min.	1"	3/4"	4 min.

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

FASTENERS FOR SILT FENCES

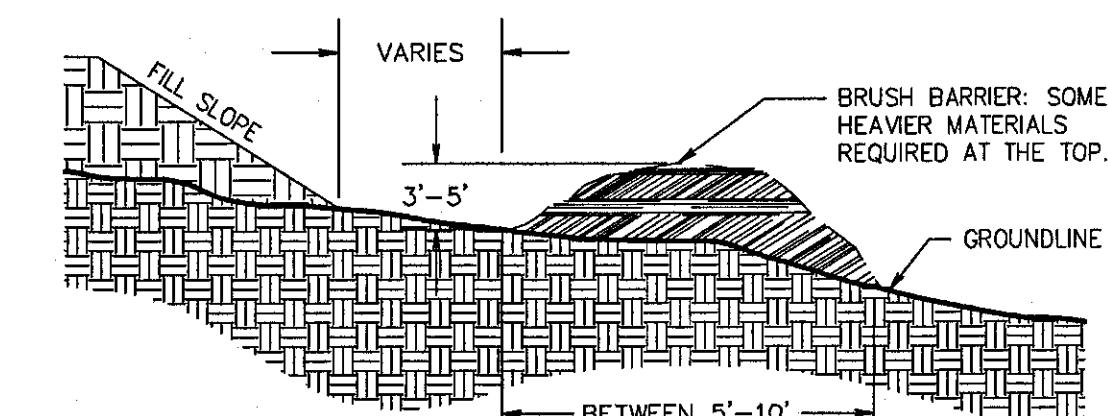


Sd1

NOTES:
1. THE FABRIC AND WIRE SHOULD BE SECURELY FASTENED TO POSTS AND FABRIC ENDS MUST BE OVERLAPPED A MINIMUM OF 18" OR WRAPPED TOGETHER AROUND A POST TO PROVIDE A CONTINUOUS FABRIC BARRIER AROUND THE INLET.

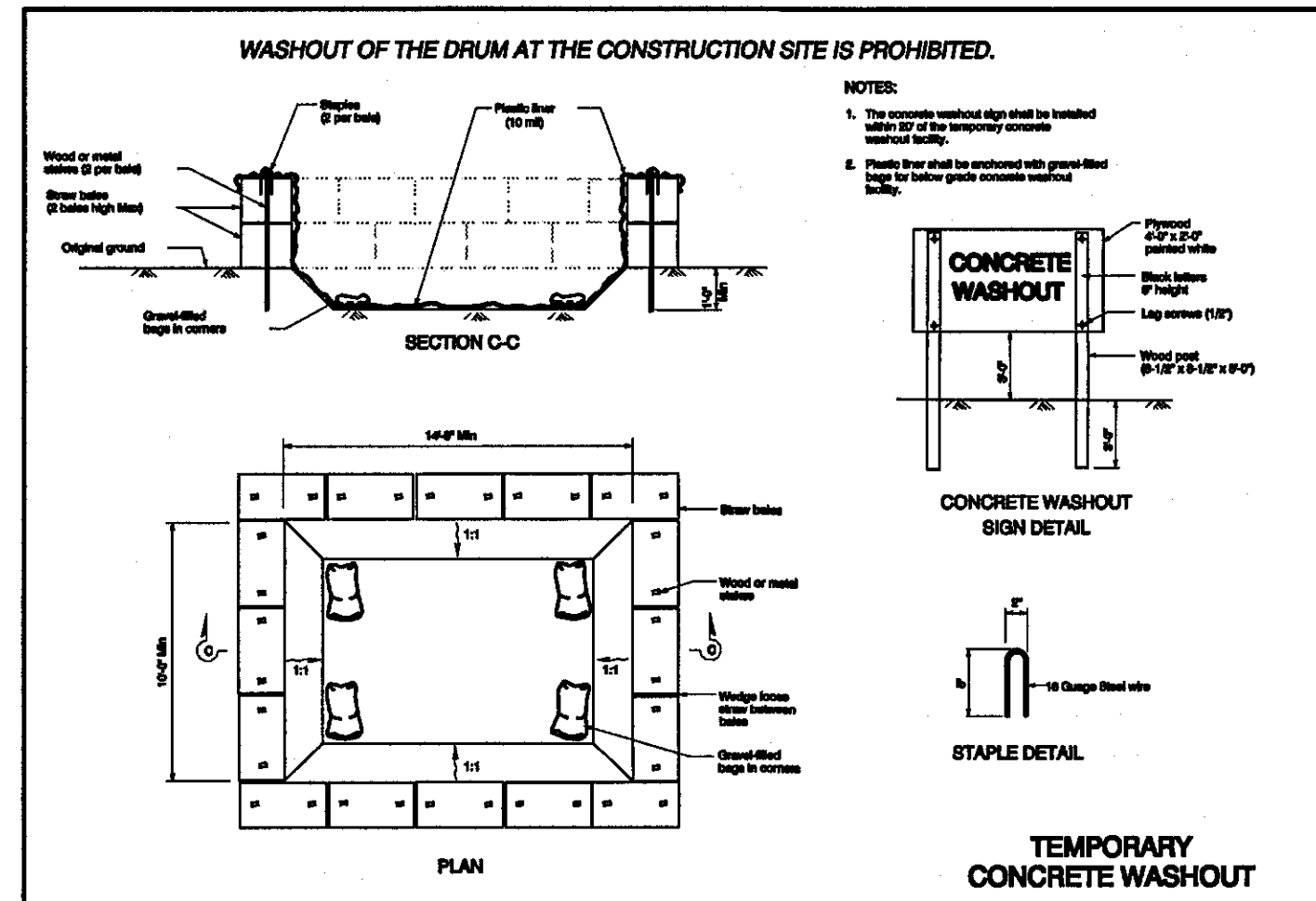
SEDIMENT BARRIERS

BRUSH BARRIER SECTION



NOTE:
1. INTERMINGLE BRUSH, LOGS, ETC. SO AS TO NOT FORM A SOLID DAM.
2. BRUSH SHOULD BE WIND-ROWED ON THE CONTOUR AS CLOSE AS POSSIBLE.
3. MINIMUM BASE WIDTH FOR BARRIER SHALL BE 5 FEET AND SHOULD BE NO WIDER THAN 10 FEET. THE HEIGHT OF THE BARRIER SHOULD BE BETWEEN 3' AND 5'.
4. A COMMERCIALY AVAILABLE FILTER FABRIC MAY BE PLACED ON THE SIDE OF THE BRUSH BARRIER RECEIVING SEDIMENT-LOADED RUNOFF FOR ADDED FILTER CAPACITY (LOWER EDGE MUST BE BURIED IN A 6 INCH DEEP TRENCH AND THE UPPER EDGE MUST BE FASTENED TO THE BRUSH BARRIER).

Sd1-BB

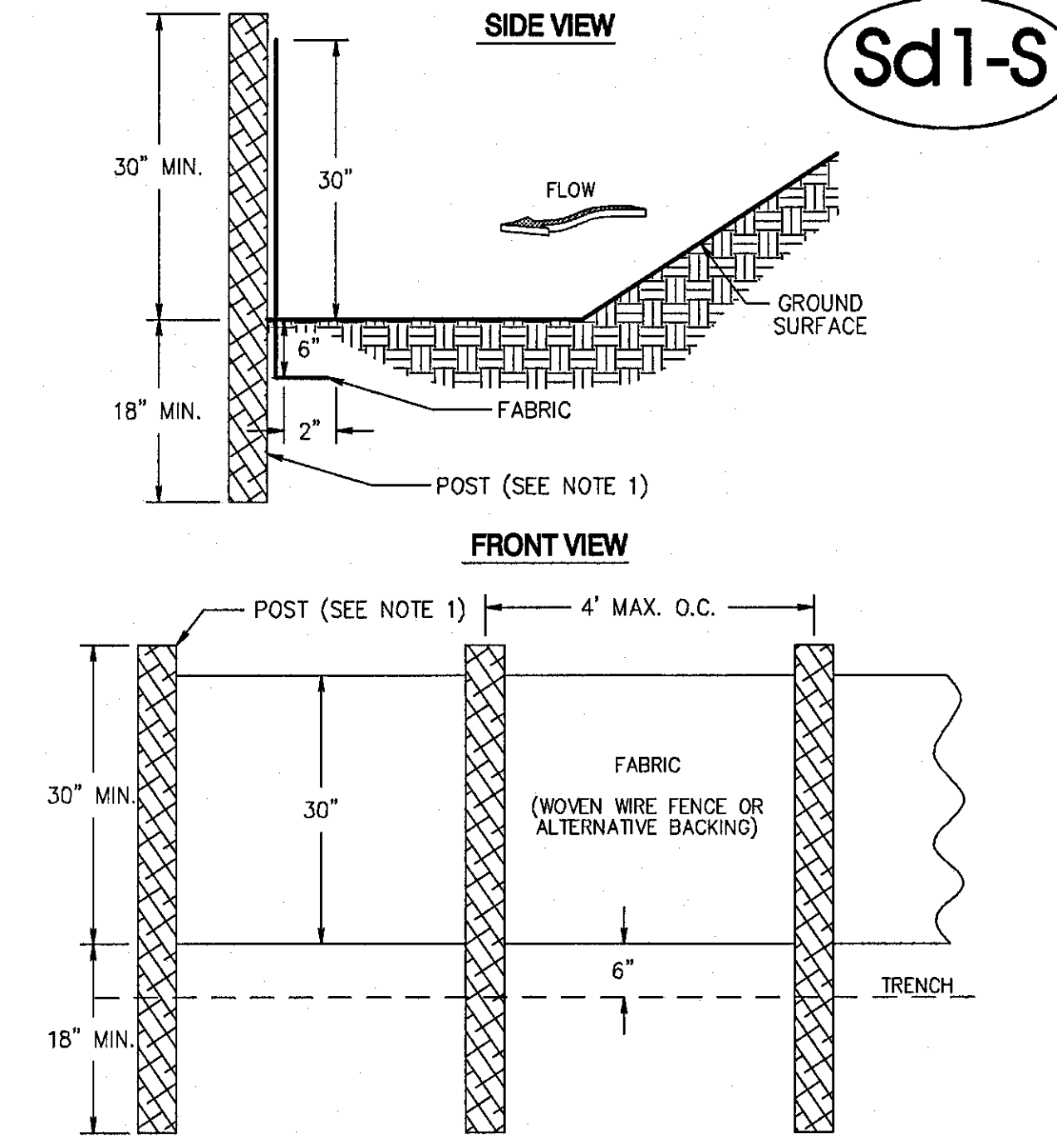


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Utilities Protection Center, Inc
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GSWCC GEORGIA SOIL AND WATER CONSERVATION COMMISSION
MR. KEDRICK SCOTT PE
LEVEL II CERTIFICATION DESIGN PROFESSIONAL
CERTIFICATION NUMBER: #000004509
ISSUED: 1/21/2021 EXPIRES: 1/21/2024

SILT FENCE - TYPE SENSITIVE

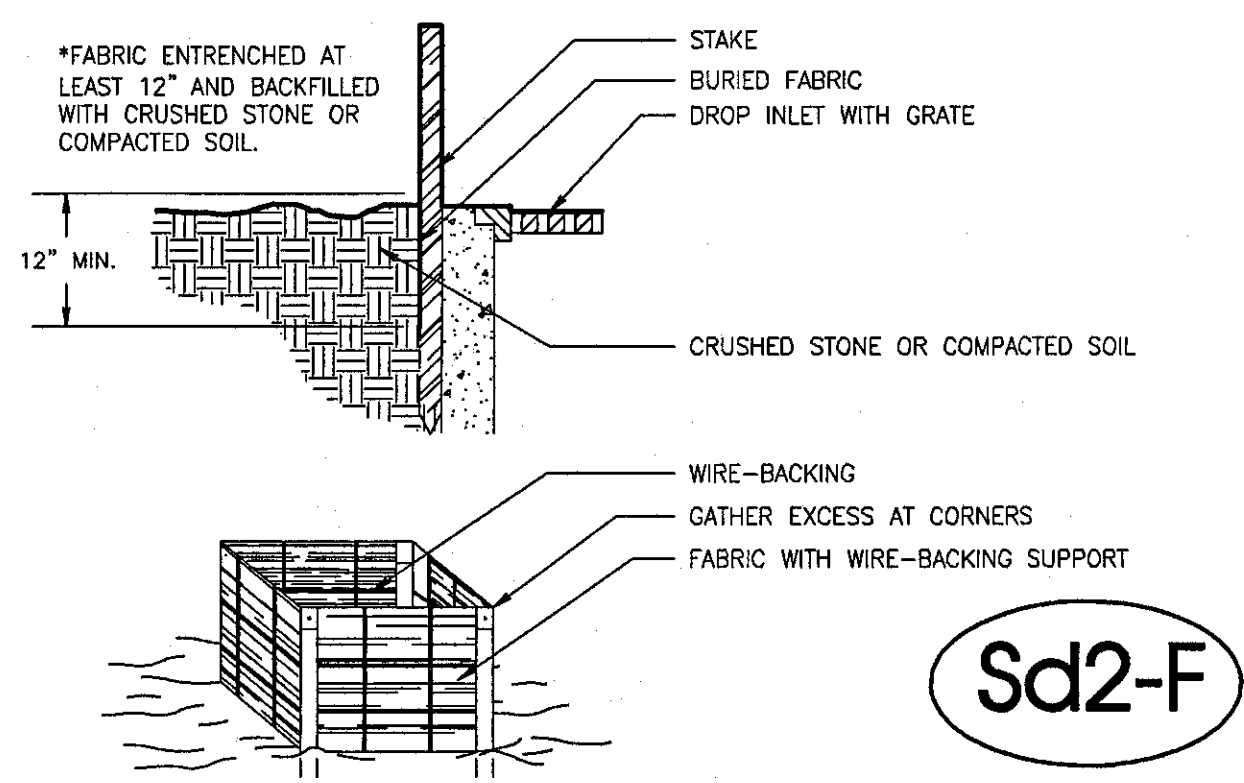
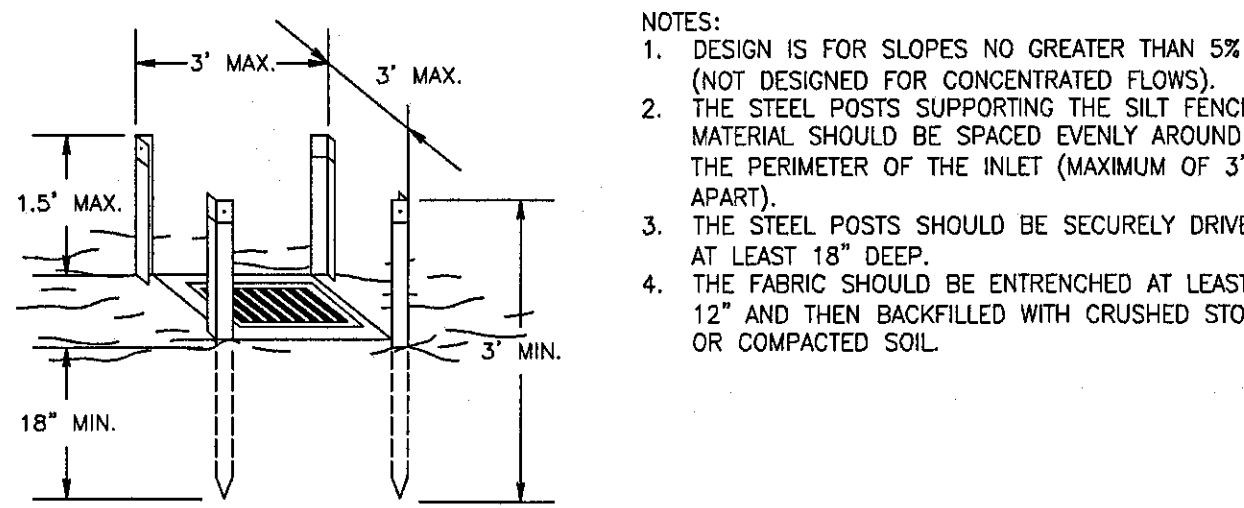
Sd1-S



NOTES:
1. USE STEEL OR WOOD POSTS OR AS SPECIFIED BY THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
2. HEIGHT (H) IS TO BE SHOWN ON THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.

FABRIC AND SUPPORTING FRAME FOR INLET PROTECTION

STEEL FRAME AND SILT FENCE INSTALLATION



Sd2-F

Rochester **PCCM**
Rochester and Associates, LLC
425 Oak St NW, Gainesville, GA 30501
770.718.0600 p | www.rochester-assoc.com

EROSION CONTROL NOTES & DETAILS
FOR:
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LOCATED IN
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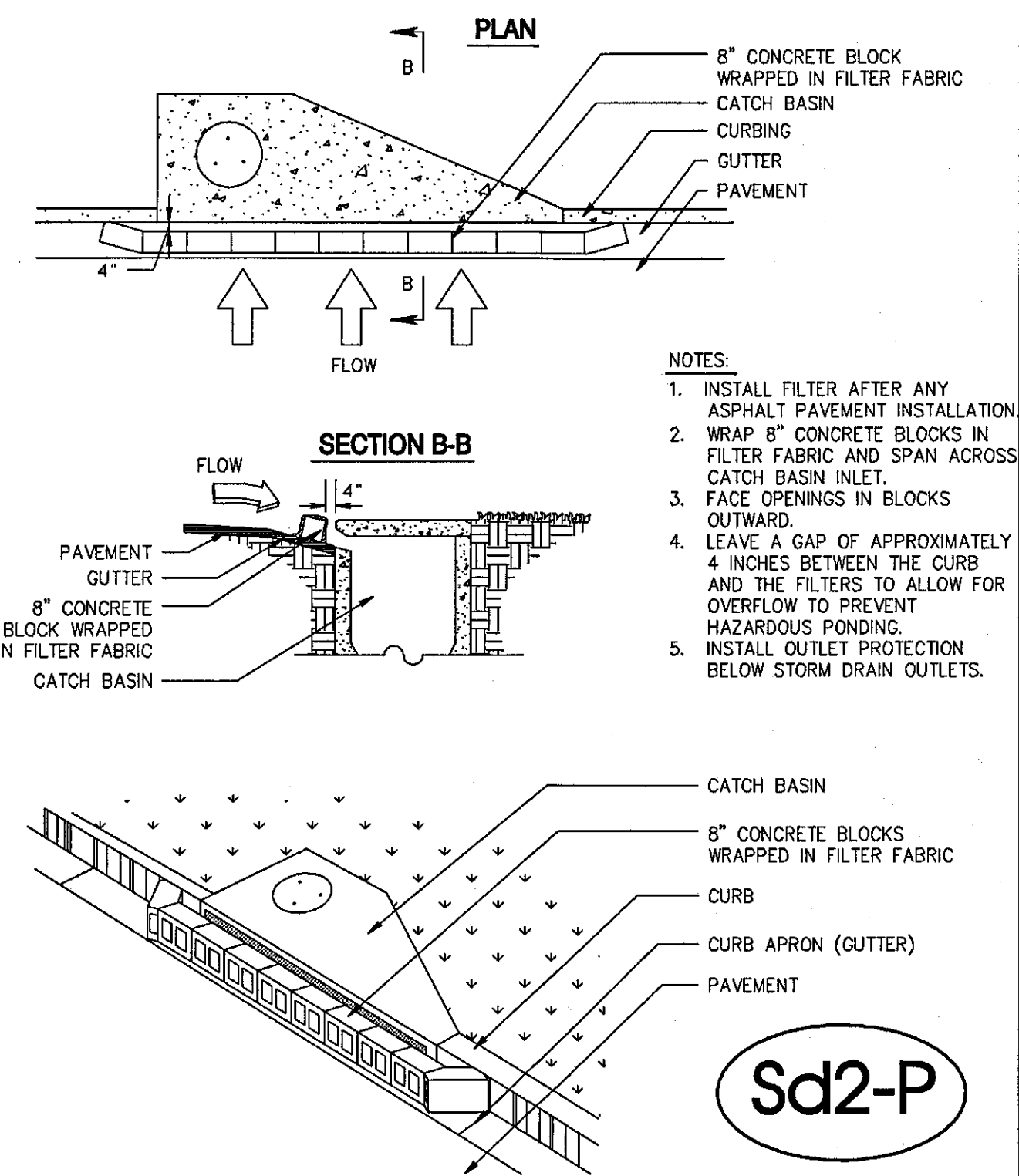
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GEORGIA REGISTERED PROFESSIONAL ENGINEER
KEDRICK C. SCOTT
4/12/2023
SINCE 1998

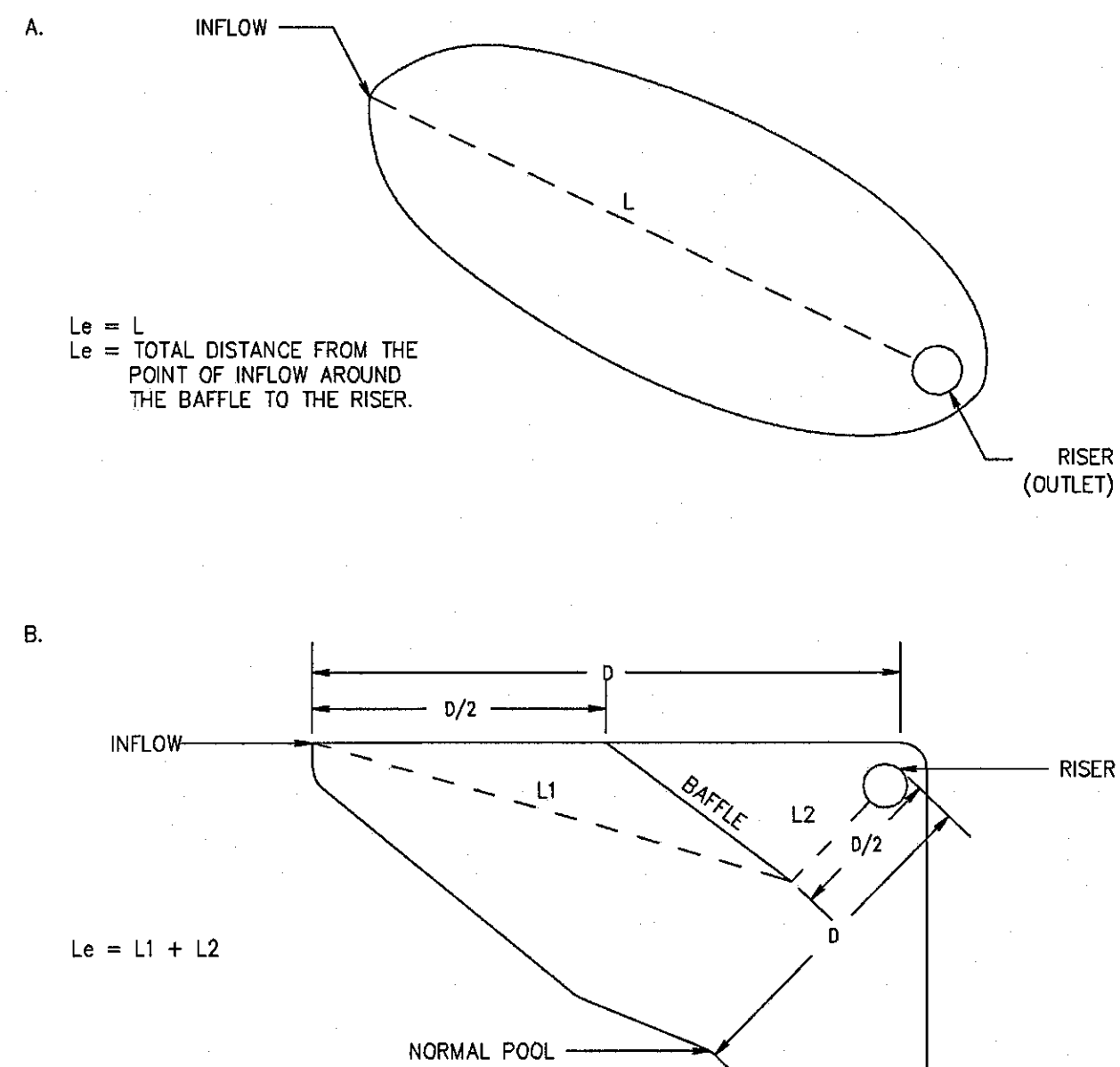
SHEET 14 OF 25
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CURB INLET FILTER "PIGS IN BLANKET"

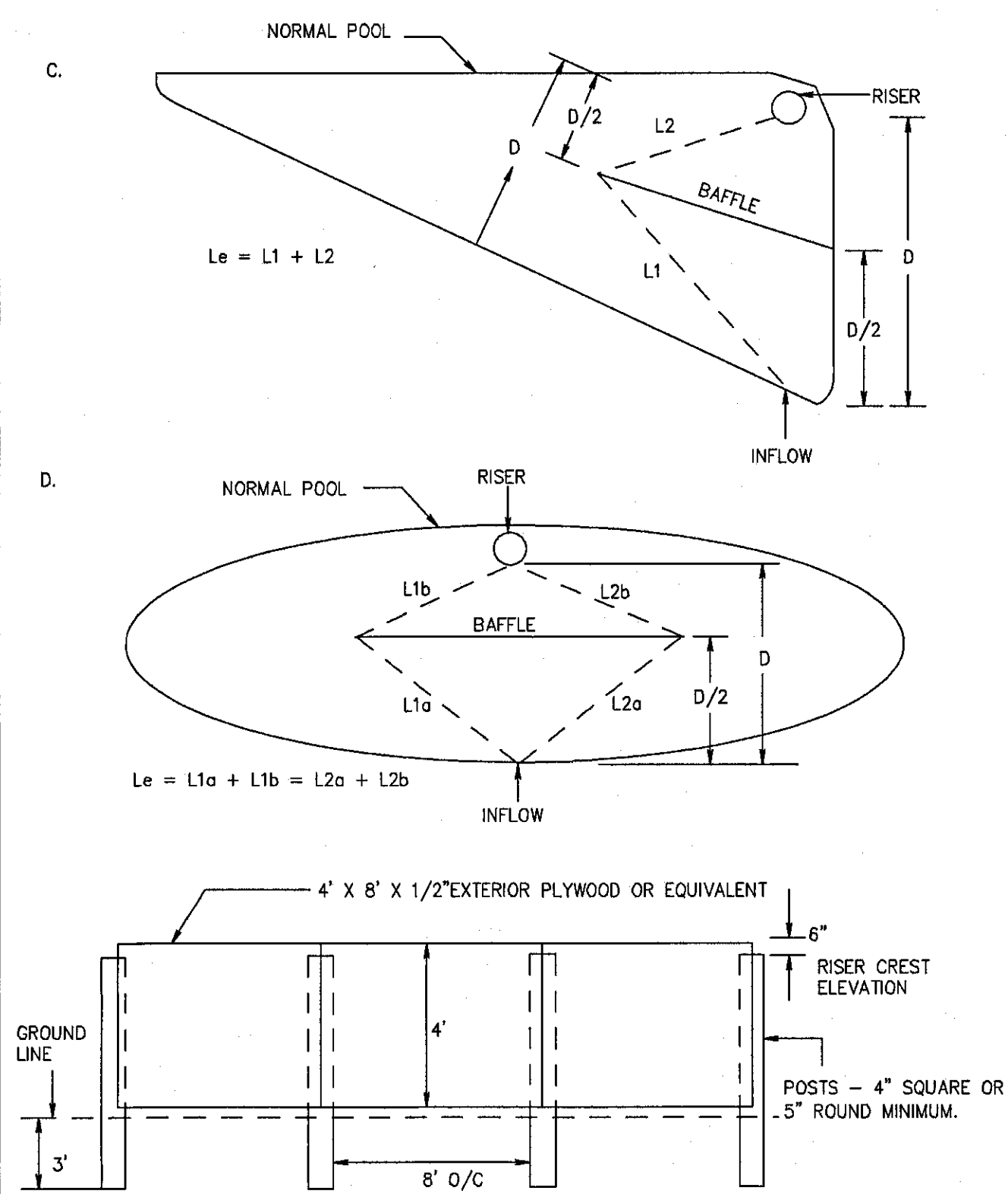


SEDIMENT BASIN BAFFLES

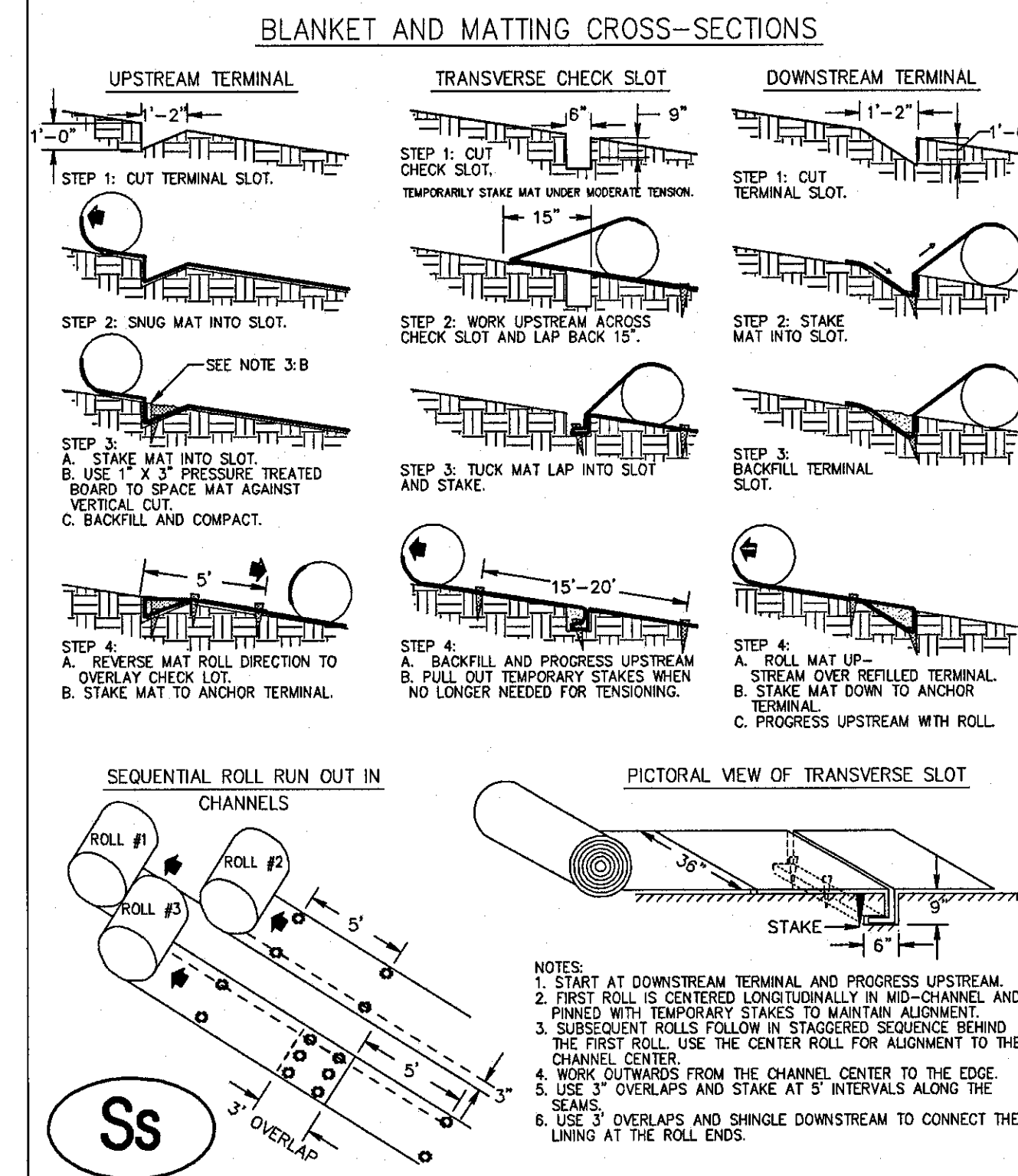
EXAMPLES: PLAN VIEWS (NOT TO SCALE)



SEDIMENT BASIN BAFFLES CONT'D

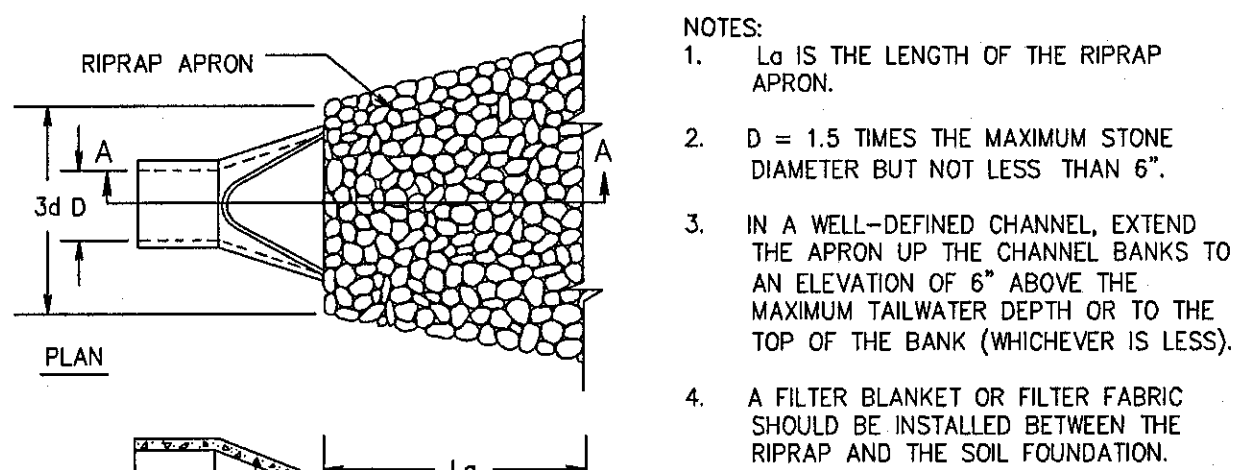


TYPICAL INSTALLATION GUIDELINES FOR ROLLED EROSION CONTROL PRODUCTS (RECP)

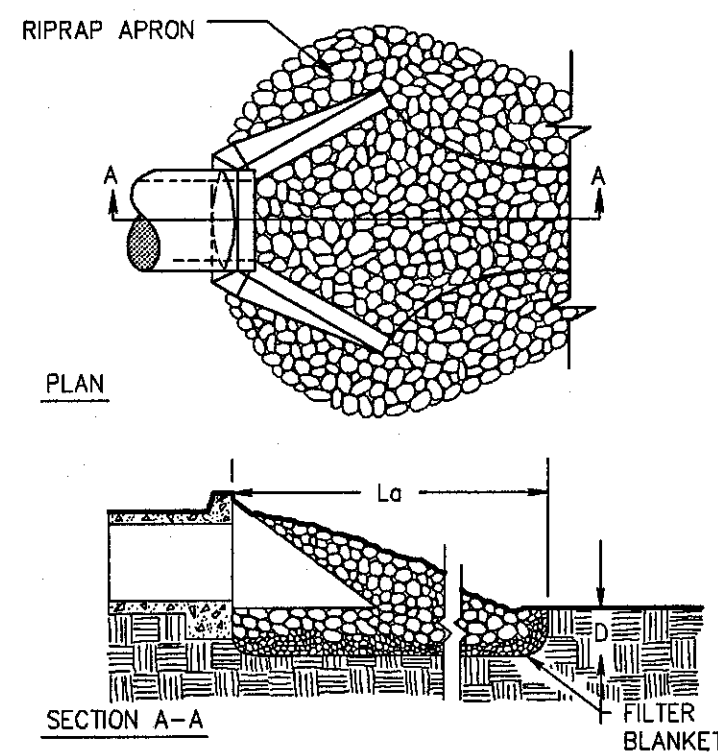


RIPRAP OUTLET PROTECTION

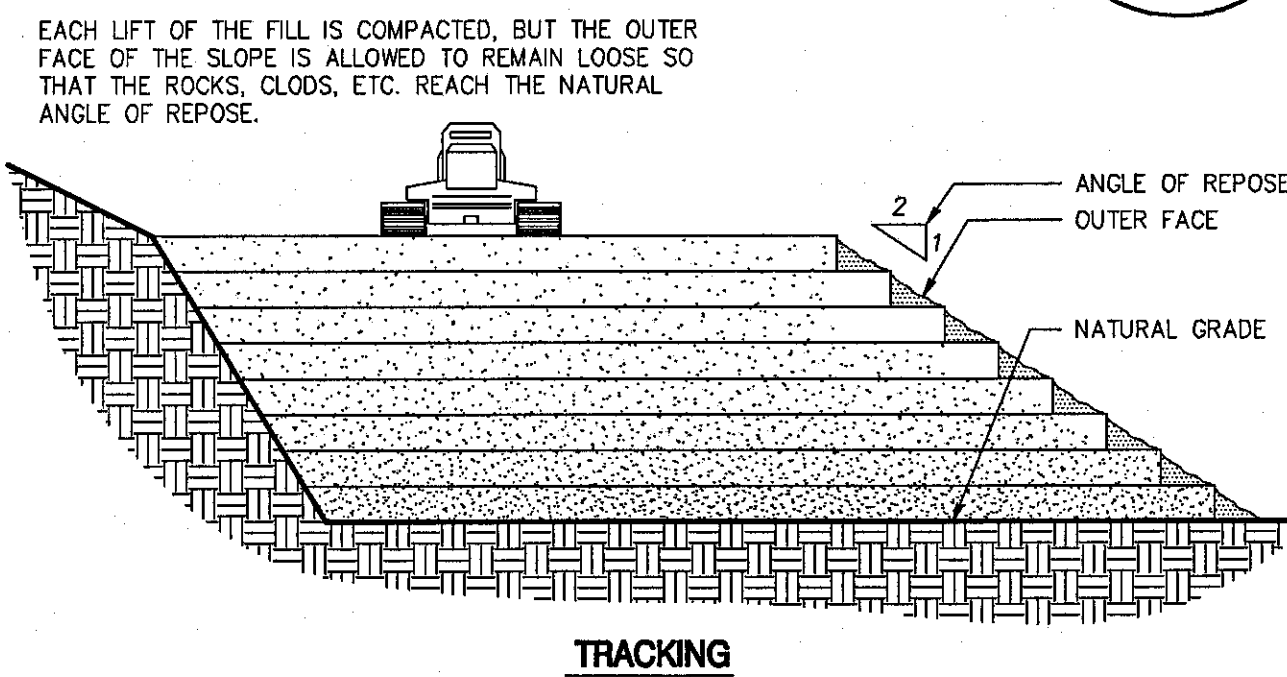
PIPE OUTLET TO FLAT AREA - NO WELL DEFINED CHANNEL



PIPE OUTLET TO WELL DEFINED CHANNEL



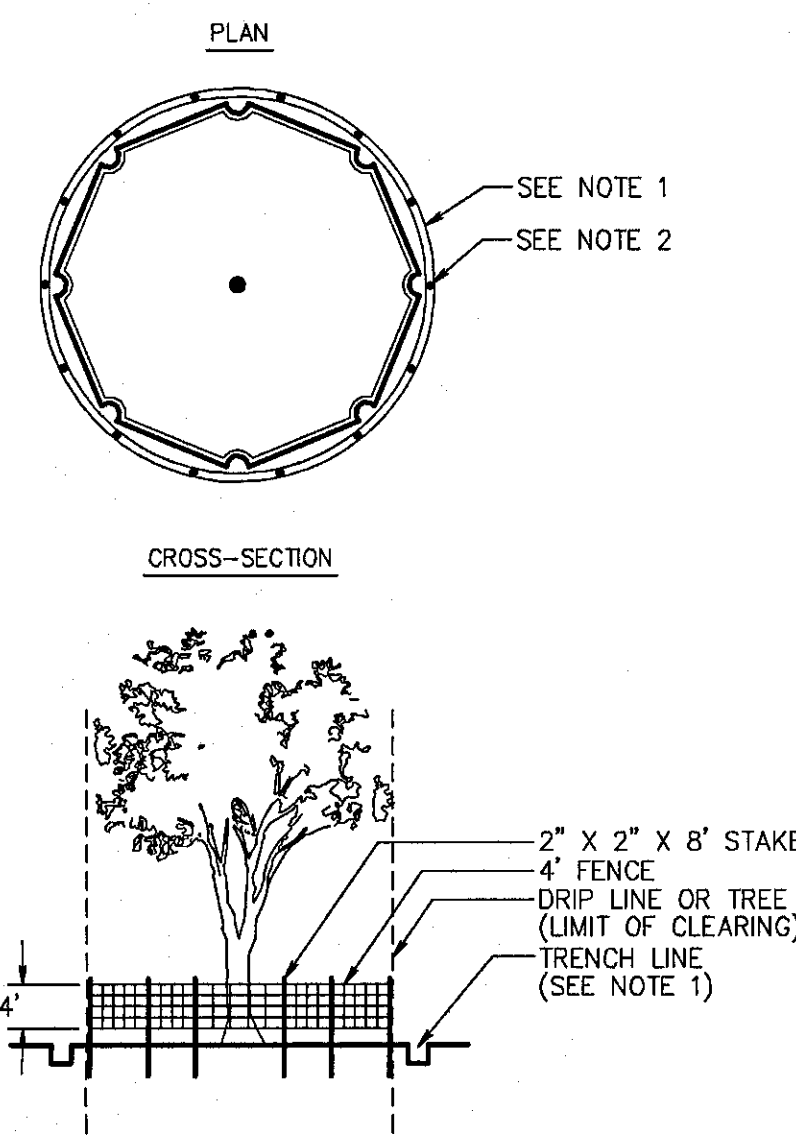
FILL SLOPE TREATMENT



Tr

TREE PROTECTION

"SNOW" FENCE



- NOTES:**
- USE TRENCHER (I.E. DITCH WHICH) TO CUT A 4"-5" W X 18" D TRENCH ALONG DRIP LINE (LIMIT OF CLEARING) AND BACKFILL WITH SAND AND LIGHTLY COMPACT.
 - SPACE STAKES AT INTERVALS SUFFICIENT TO MAINTAIN ALL FENCING OUT OF DRIP LINE OR AS SHOWN BY ENGINEER (SET STAKES NO GREATER THAN 6 FEET ON CENTER - REBAR IS NOT TO BE USED FOR STAKES).
 - MAINTAIN FENCE BY REPAIRING AND/OR REPLACING DAMAGED FENCE. DO NOT REMOVE FENCING PRIOR TO LANDSCAPING OPERATIONS.
 - DO NOT STORE OR STACK MATERIALS, EQUIPMENT, OR VEHICLES WITHIN FENCED AREA.
 - FENCE SHALL BE ORANGE VINYL "SNOW FENCE" 4' HIGH MINIMUM.

TACKIFIERS

Tac



DEFINITION

Tackifiers are used as a tie-down for soil, compost, seed, straw, hay or mulch. Tackifiers hydrate in water and readily blend with other slurry materials to form a homogenous slurry.

PURPOSE

To reduce soil erosion from wind and water on construction sites. Other benefits include soil infiltration, soil fertility, enhanced seed germination, increased soil cohesion, enhanced soil stabilization, reduced stormwater runoff turbidity and reduction in loss of topsoil.

CONDITIONS

This practice is intended for direct soil surface application to sites where the timely establishment of vegetation may not be feasible or where vegetation cover is absent or inadequate. Such areas include construction areas, where plant residues are inadequate to protect the soil surface and where land disturbing activities prevent the establishment or maintenance of a vegetative cover.

CRITERIA

Type I Tackifiers:
Synthetic Polymers

Tac-1

Application rates shall conform to manufacturer's guidelines for application.

Only anionic forms of PAM shall be used. Anionic PAMs shall be no more than 0.05% acrylamide monomer by weight, as

established by the Food and Drug Administration and the Environmental Protection Agency.

Not harmful to plants, animals and aquatic life.

Contain no growth or germination inhibiting materials.

Shall not reduce infiltration rates.

Type II Tackifiers:
Organic Polymers
Such as guar gum, polysaccharides, and starches

Tac-2

Application rates shall conform to manufacturer's guidelines for application.

Derived from natural plant sources.

Not harmful to plants, animals and aquatic life.

Contain no growth or germination inhibiting materials.

Shall not reduce infiltration rates.

Type III Tackifiers:

Synthetic/Organic Blends

Tac-3

Application rates shall conform to manufacturer's guidelines for application.

Only anionic forms of PAM shall be used in the blend, and shall be no more than 0.05% acrylamide monomer by weight.

Organic material must be derived from natural plant sources.

Not harmful to plants, animals and aquatic life.

Contain no growth or germination inhibiting materials.

Shall not reduce infiltration rates.

GSWCC (Amended - 2013)

6-125

GSWCC GEORGIA SOIL AND WATER CONSERVATION COMMISSION
 MR. KEDRICK SCOTT PE.
 LEVEL II CERTIFICATION DESIGN PROFESSIONAL
 CERTIFICATION NUMBER: #000004509
 ISSUED: 1/21/2021 EXPIRES: 1/21/2024

EROSION CONTROL NOTES & DETAILS
 FOR:
JOE PARKER
SPECIAL EVENTS FACILITY
 LOCATED IN
 3210 JOE PARKER ROAD
 G.A.D. 411
 HALL COUNTY, GEORGIA

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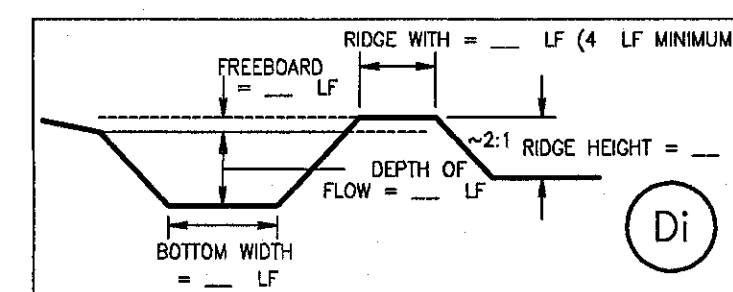
- Type IV Tackifiers:**
Organic Tackifiers with Synthetic Fibers **Tac-4**
- Application rates shall conform to manufacturer's guidelines for application.
 - Organic material must be derived from natural plant sources.
 - Not harmful to plants, animals and aquatic life.
 - Contain no growth or germination inhibiting materials.
 - Shall not reduce infiltration rates.
 - Synthetic fibers shall be of nylon or polyester blends.

- Type V Tackifiers:**
Synthetic/Organic Blends with Synthetic Fibers **Tac-5**
- Application rates shall conform to manufacturer's guidelines for application.
 - Only anionic forms of PAM shall be used in the blend, and shall be no more than 0.05% acrylamide monomer by weight.
 - Organic material must be derived from natural plant sources.
 - Not harmful to plants, animals and aquatic life.
 - Contain no growth or germination inhibiting materials.
 - Shall not reduce infiltration rate.
 - Synthetic fibers shall be of nylon or polyester blends.

MAINTENANCE
Tackified areas should be checked after every rain event. Periodic inspections and required maintenance must be provided per manufacturer's recommendations.

GSWCC 2016 Edition

6-74

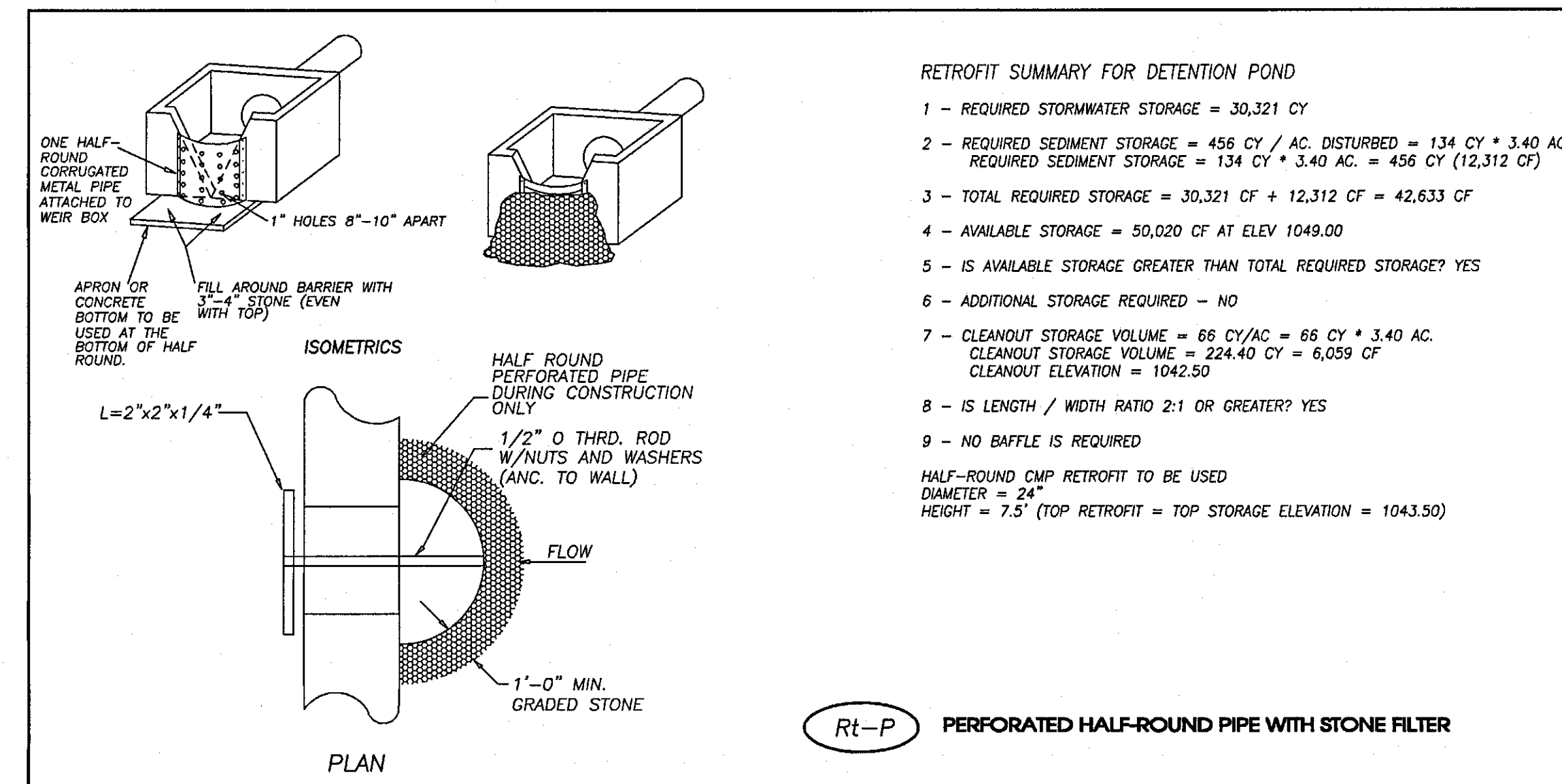


JOE PARKER, SPECIAL EVENTS FACILITY Diversion Calculations

Diversion Number	D.A. (Acres)	C	Tc (Min)	Intensity (In/Hr)	Q (cfs)	Bottom Width (ft)	Side Slope	Ridge Height (ft)	Flow Depth (ft)	Freeboard (ft)	Ridge Width (ft)	Velocity (fps)	Channel Stabilization Type
1	0.46	0.40	5	7.30	1.34	3.00	2:1	1.5	0.21	1.29	3	1.91	Ch-1

DETENTION PONDS/SEDIMENT STORAGE:
DETENTION POND OR SEDIMENT BASINS/STORAGE WILL BE INSTALLED AND FUNCTIONING BEFORE ANY MAJOR GRADING OR IMPERVIOUS SURFACES ARE CONSTRUCTED.

CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
Co	CONSTRUCTION EXIT			A CRUSHED STONE PAD LOCATED AT THE CONSTRUCTION SITE EXIT TO PROVIDE A PLACE FOR REMOVING MUD FROM TIRES THEREBY PROTECTING PUBLIC STREETS.
Du	DUST CONTROL ON DISTURBED AREAS			CONTROLLING SURFACE AND AIR MOVEMENT OF DUST ON CONSTRUCTION SITES, ROADWAYS AND SIMILAR SITES.
Ds1	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)			ESTABLISHING TEMPORARY PROTECTION FOR DISTURBED AREAS WHERE SEEDINGS MAY NOT HAVE A SUITABLE GROWING SEASON TO PRODUCE AN EROSION RETARDING COVER.
Ds2	DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)			ESTABLISHING A TEMPORARY VEGETATIVE COVER WITH FAST GROWING SEEDINGS ON DISTURBED AREAS.
Di	DIVERSION			AN EARTH CHANNEL OR DIKE LOCATED ABOVE, BELOW, OR ACROSS A SLOPE TO DIVERT RUNOFF. THIS MAY BE A TEMPORARY OR PERMANENT STRUCTURE.
Fr	FILTER RING			A TEMPORARY STONE BARRIER CONSTRUCTED AT STORM DRAIN INLETS AND POND OUTLETS.
Rd	ROCK FILTER DAM			A PERMANENT OR TEMPORARY STONE FILTER DAM INSTALLED ACROSS SMALL STREAMS OR DRAINAGES.
Sd1	SEDIMENT BARRIER TYPE "C"			A BARRIER TO PREVENT SEDIMENT FROM LEAVING THE CONSTRUCTION SITE. MADE OF STRAW OR HAY BRUSH, LOGS AND FENCE CHAINS. OF A SEDIMENT TRAP. USUALLY TEMPORARY AND INEXPENSIVE.
Sd2	SEDIMENT TRAP TEMPORARY FILTER FABRIC WITH SUPPORTING FRAME			A TEMPORARY PROTECTIVE DEVICE FORMED AROUND A STORM DRAIN DROP INLET TO TRAP SEDIMENT. USES A FILTER FABRIC WITH SUPPORTING FRAME TO KEEP SEDIMENT OUT.
Sd4	TEMPORARY SEDIMENT TRAP			A SMALL TEMPORARY POND THAT DRAINS A DISTURBED AREA SO THAT SEDIMENT CAN SETTLE OUT. THE PRINCIPLE FEATURE DISTINGUISHING A TEMPORARY SEDIMENT TRAP FROM A TEMPORARY SEDIMENT BASIN IS THE LACK OF A PIPE OR RISER.



- RETROFIT SUMMARY FOR DETENTION POND**
- 1 - REQUIRED STORMWATER STORAGE = 30,321 CY
 - 2 - REQUIRED SEDIMENT STORAGE = 456 CY / AC. DISTURBED = 134 CY * 3.40 AC. = 456 CY (12,312 CF)
 - 3 - TOTAL REQUIRED STORAGE = 30,321 CF + 12,312 CF = 42,633 CF
 - 4 - AVAILABLE STORAGE = 50,020 CF AT ELEV 1049.00
 - 5 - IS AVAILABLE STORAGE GREATER THAN TOTAL REQUIRED STORAGE? YES
 - 6 - ADDITIONAL STORAGE REQUIRED - NO
 - 7 - CLEANOUT STORAGE VOLUME = 66 CY/AC = 66 CY * 3.40 AC. CLEANOUT STORAGE VOLUME = 224.40 CY = 6,059 CF CLEANOUT ELEVATION = 1042.50
 - 8 - IS LENGTH / WIDTH RATIO 2:1 OR GREATER? YES
 - 9 - NO BAFFLE IS REQUIRED
- HALF-ROUND CMP RETROFIT TO BE USED
DIAMETER = 24"
HEIGHT = 7.5' (TOP RETROFIT = TOP STORAGE ELEVATION = 1043.50)

Structure	Pipe Dia. (in.)	Q25 (cfs)	V25 (fps)	d(50) (in.)	La (ft.)	W1 (ft.)	W2 (ft.)	D (in.)	v2 (fps)
P.SES-1A (Headwall)	18	4.36	1.16	6	9	4.5	13	6	1.00
P.HW-2A	18	9.02	1.56	6	9	4.5	13	6	1.39
P.POND-HW	24	3.40	1.13	6	9	6	13	6	0.73

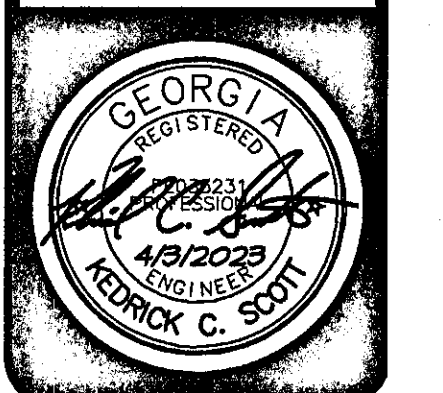
NOTES:
1) PIPE MATERIALS AND SIZES ARE SUBJECT TO CHANGE UPON FINAL ENGINEERING DESIGN PLANS.
2) VELOCITY 2 (V2) HAS BEEN CALCULATED AT THE MIDPOINT OF THE RP-RAP APRON.

GSWCC GEORGIA SOIL AND WATER CONSERVATION COMMISSION
MR. MEDRICK SCOTT PE.
LEVEL II CERTIFICATION DESIGN PROFESSIONAL
CERTIFICATION NUMBER: #000004509
ISSUED: 1/21/2021 EXPIRES: 1/21/2024

EROSION CONTROL NOTES & DETAILS
FOR:
JOE PARKER SPECIAL EVENTS FACILITY
LOCATED IN
3210 JOE PARKER ROAD
G.M.D. 411
HALL COUNTY, GEORGIA

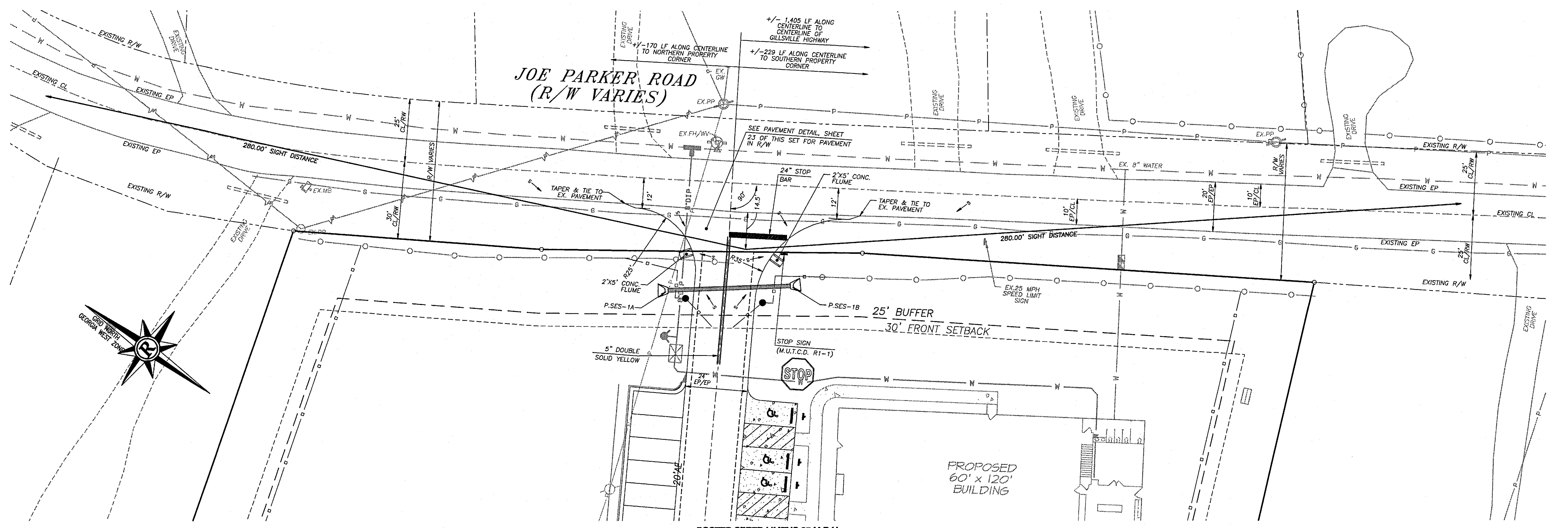
NO.	DATE	DESCRIPTION	REVISTIONS

ANY CHANGES OR ALTERATIONS MADE TO THESE CONSTRUCTION DRAWINGS WITHOUT WRITTEN APPROVAL OF THE DESIGNER ARE UNAUTHORIZED. ANY LIABILITY ASSOCIATED HEREON AND ANY LIABILITY ASSOCIATED WITH THESE DRAWINGS ARE KEPT ON FILE FOR VERIFICATION OF ANY CHANGES.

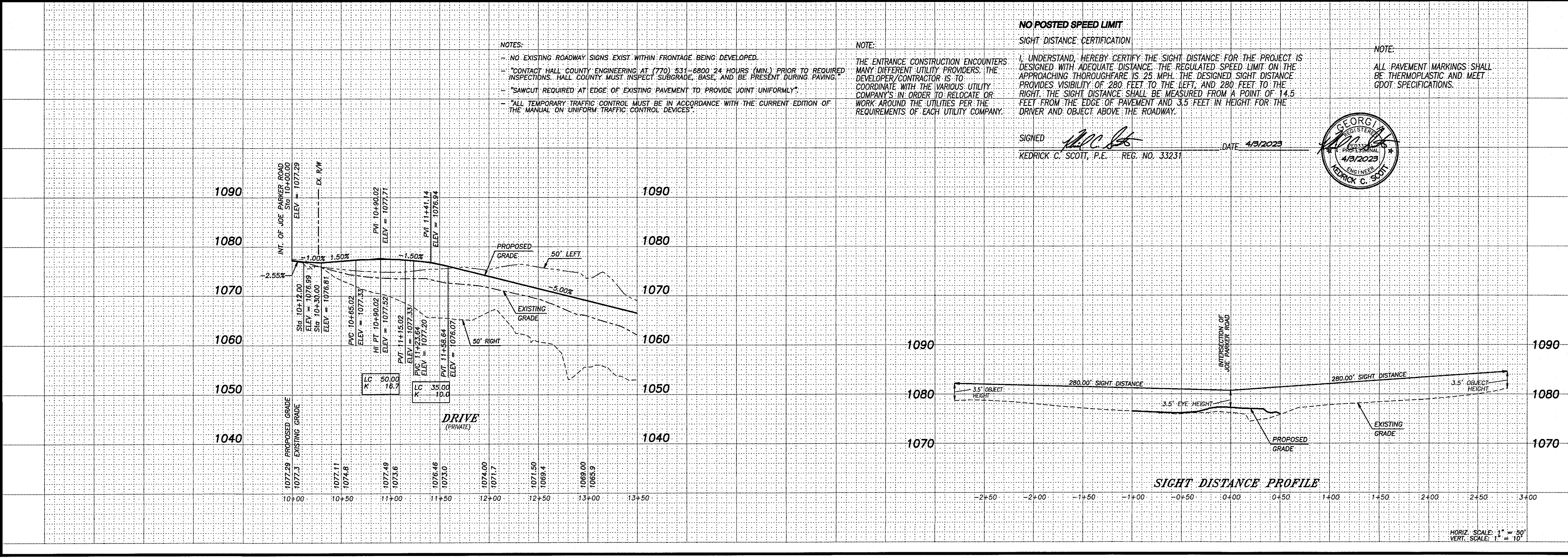


SHEET
16
OF
25
DATE: 4/23/2023
SCALE: N.T.S.
JOB NO: C22171LJRR
FILE NO: *CONSIST*
DRAWN BY: SWS

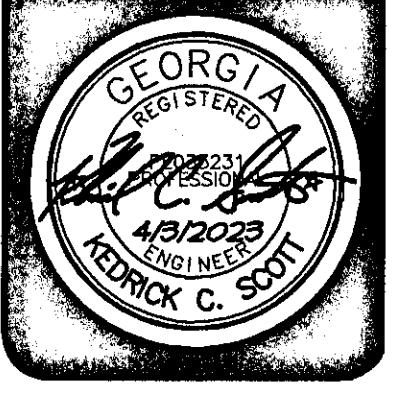
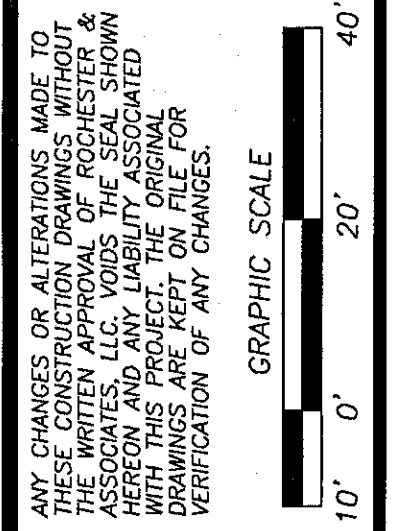
Rochester | **BCECM**
Rochester and Associates, LLC
435 Oak St NW, Gainesville, GA 30501
770.718.0600 P | www.rochester-assoc.com

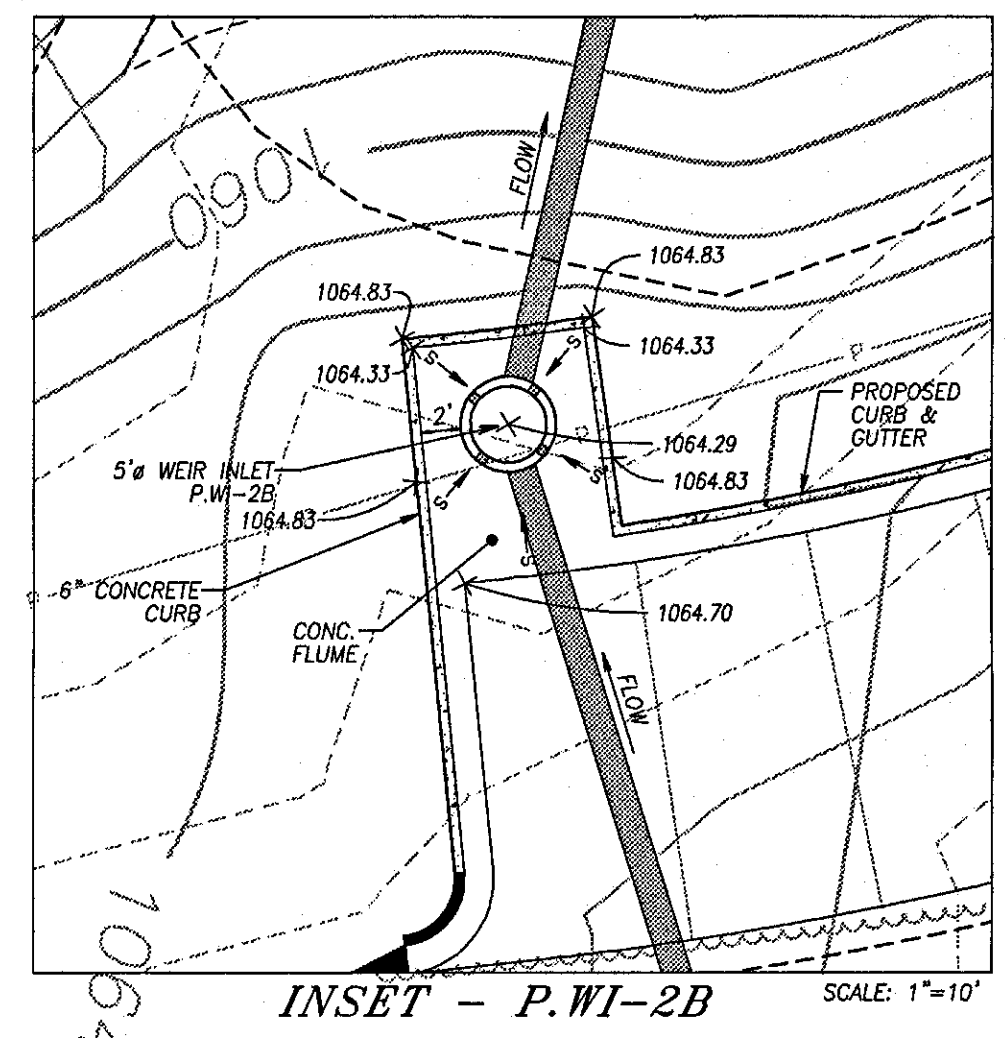


SCALE: 1" = 20'

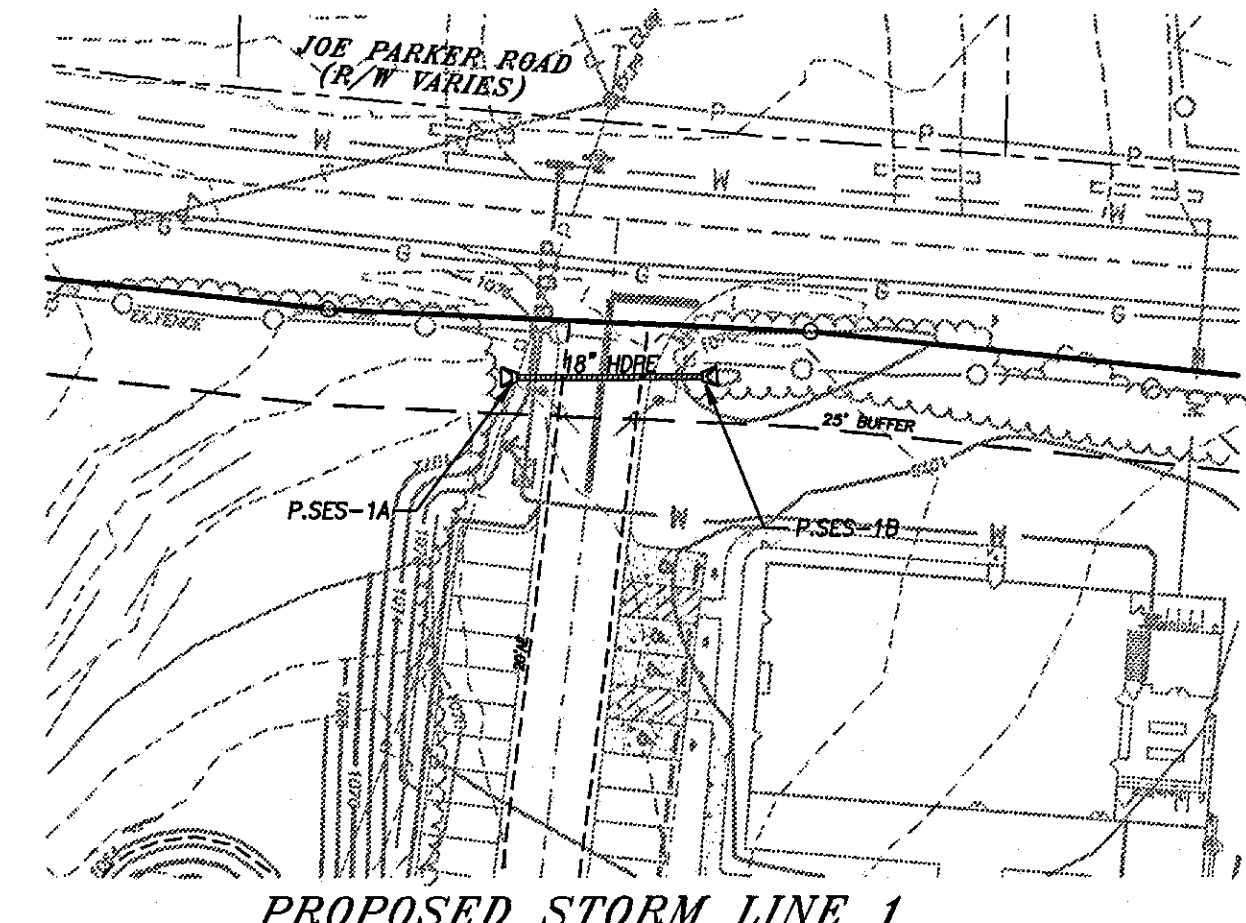


NO.	DATE	DESCRIPTION	REVISIONS

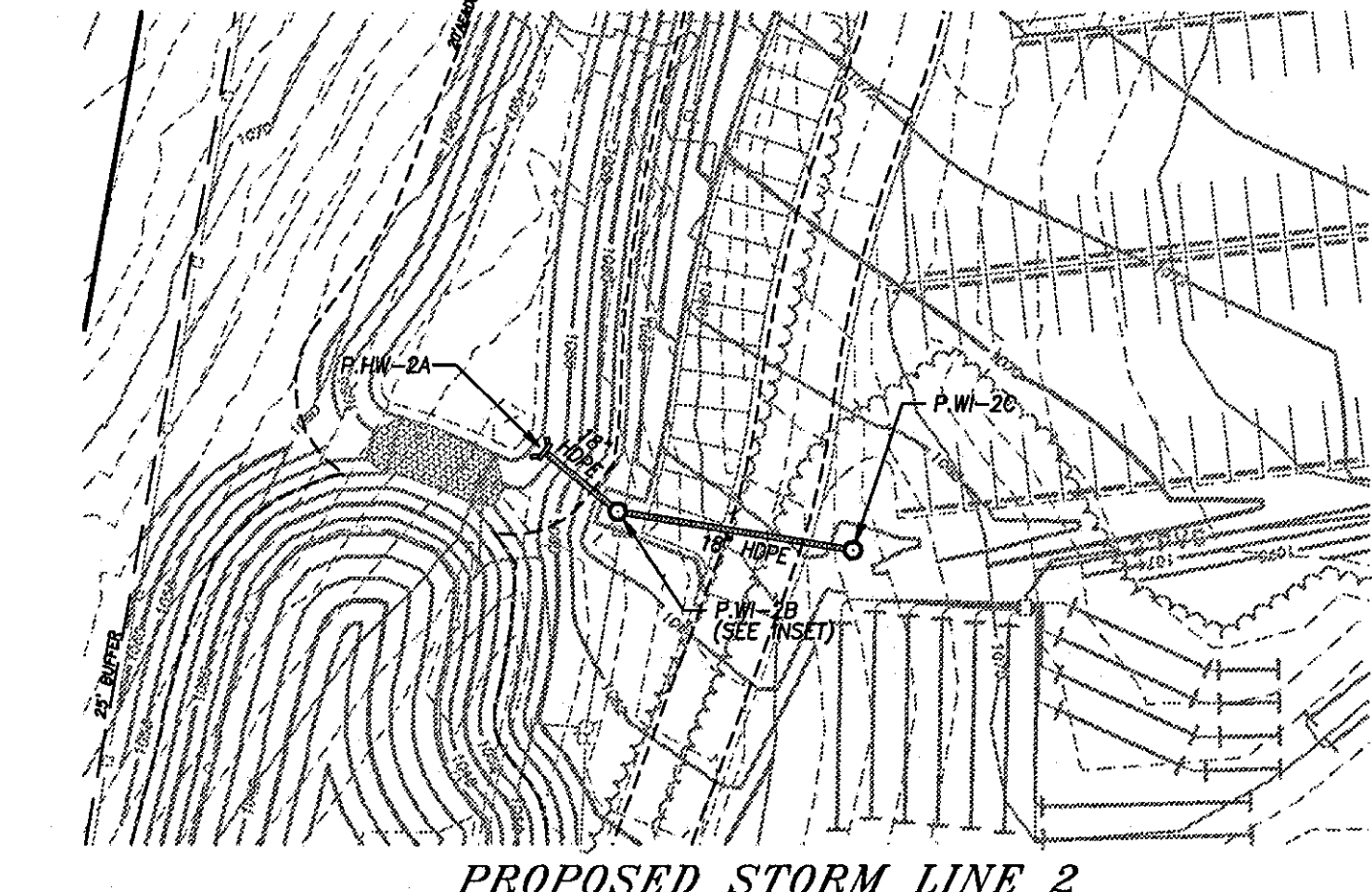




INSET - P.WI-2B SCALE: 1"=10'



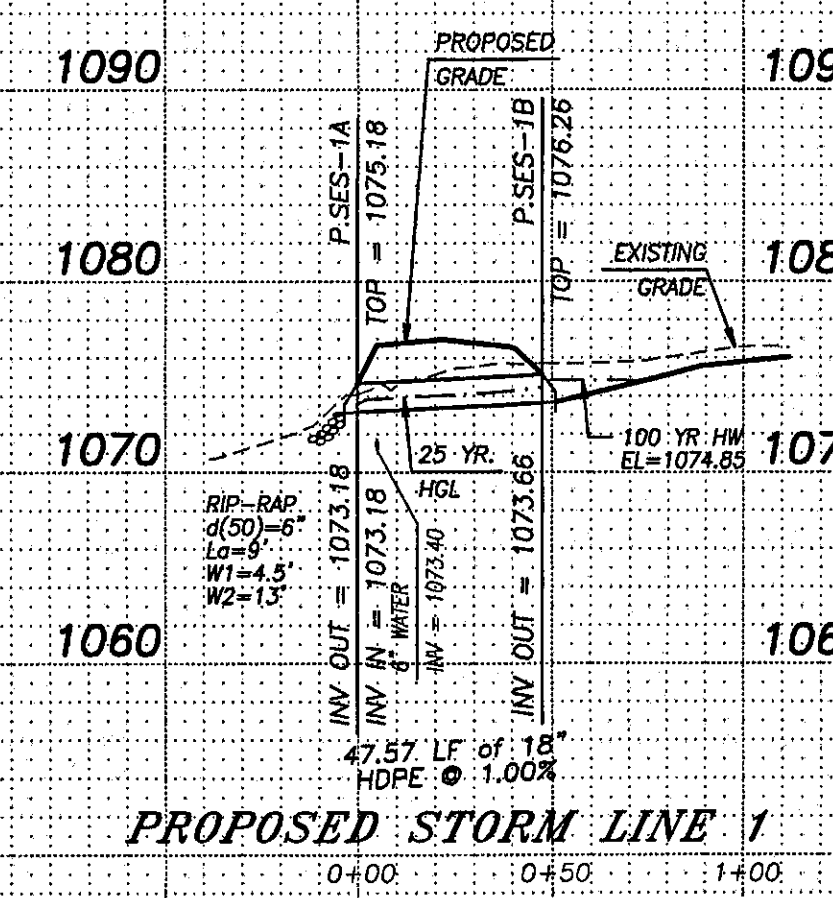
PROPOSED STORM LINE 1



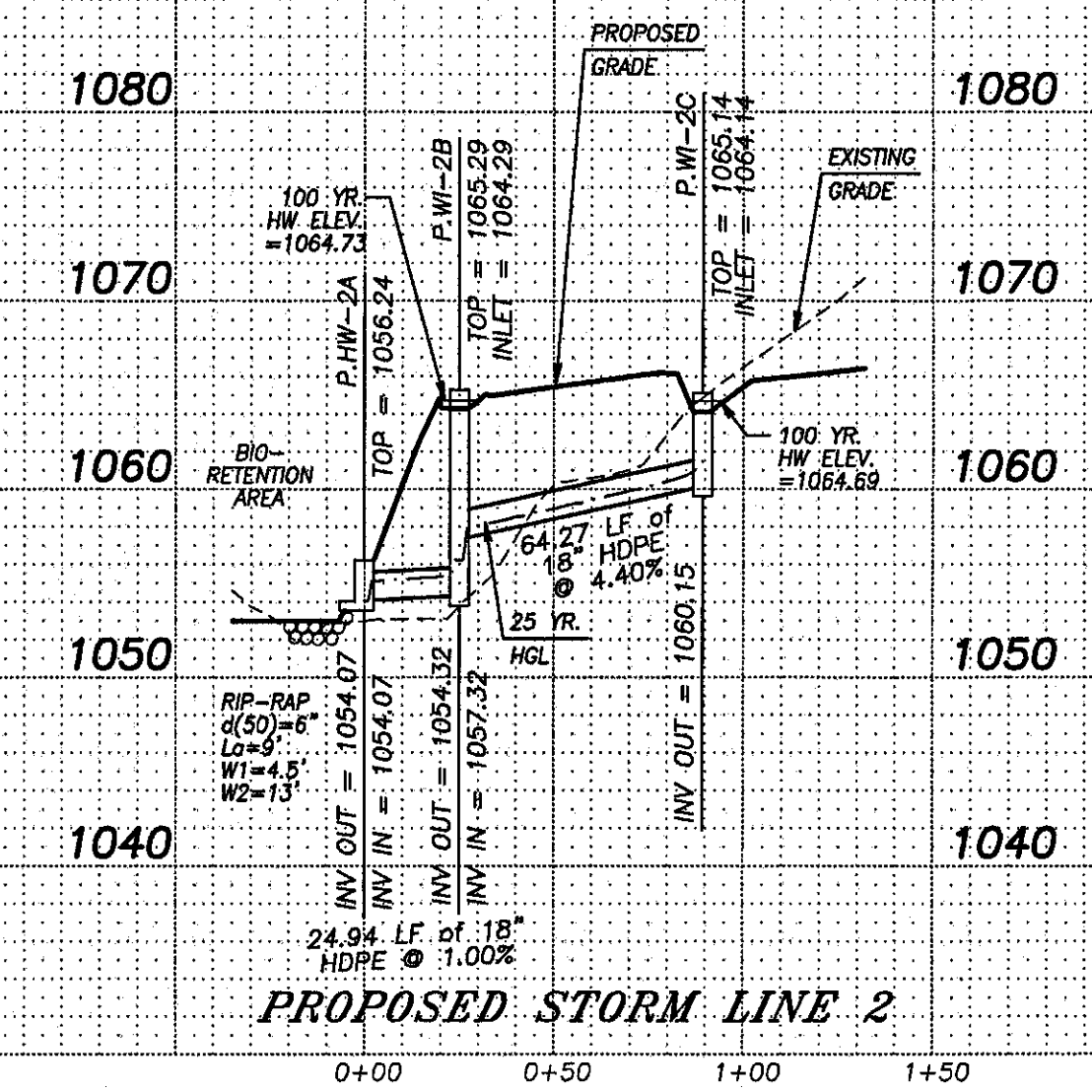
PROPOSED STORM LINE 2

SCALE: 1" = 50'

PIPE CHART FOR PROPOSED STORM LINE 1											
LOCATION	D.A. (Ac.)	Coef.	TC (MIR)	I. 25'	O. 25'	O. Sum	Slope (X)	Length	Size (in)	Material	Vel. (FPS)
P.SES-1B - P.SES-1A	0.71	0.60	5.00	6.39	3.57	4.36	1.00	47.57	18"	HDPE	5.60
S.E. d(50) = 6 in. L _a = 9 W ₁ = 4.5 W ₂ = 13											
PIPE CHART FOR PROPOSED STORM LINE 2											
LOCATION	D.A. (Ac.)	Coef.	TC (MIR)	I. 25'	O. 25'	O. Sum	Slope (X)	Length	Size (in)	Material	Vel. (FPS)
P.WI-2C - P.WI-2B	0.97	0.60	5.00	10.24	5.06	5.96	4.40	64.27	18"	HDPE	9.32
P.WI-2B - P.WI-2A	0.46	0.65	5.00	10.24	3.06	9.02	1.00	24.94	18"	HDPE	6.66
S.E. d(50) = 6 in. L _a = 9 W ₁ = 4.5 W ₂ = 13											



PROPOSED STORM LINE 1

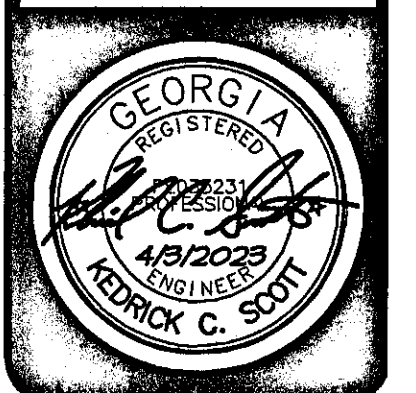


PROPOSED STORM LINE 2

HORIZ. SCALE: 1" = 50'
VERT. SCALE: 1" = 10'

NO.	DATE	DESCRIPTION	REVISTIONS

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1000 GALLON REGULAR SEPTIC TANK

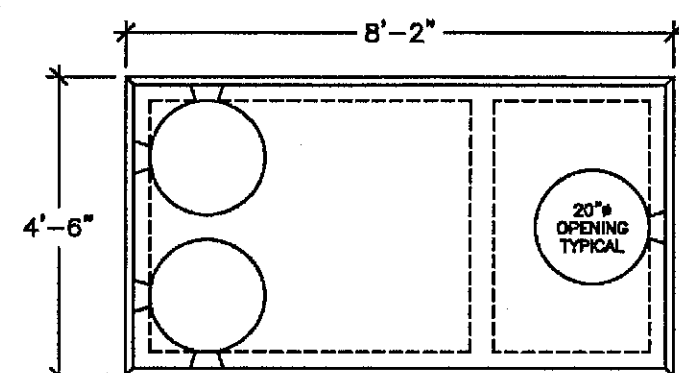
TANK DESIGN SPECIFICATION CONFORMS TO LATEST ASTM DESIGNATION C1227

NOTES:

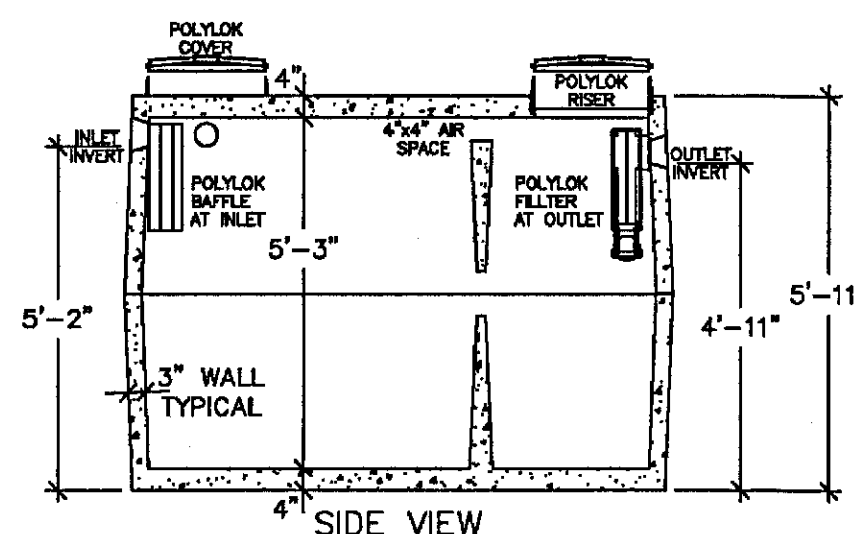
- JOINT SEALANT IS BUTYL RUBBER MASTIC TYPE SEAL THAT CONFORMS TO LATEST AASHTO SPECIFICATION M-198. MEETS FEDERAL SPECIFICATION SS-S-0021(210-A).
- PIPE INLET AND OUTLET LOCATIONS HAVE POLYLOK II PIPE SEALS.
- REINFORCING STEEL DEFORMED BARS CONFORM TO LATEST ASTM SPECIFICATION A615.
- REINFORCING STEEL WELDED WIRE FABRIC CONFORM TO LATEST ASTM SPECIFICATION A185.
- CONCRETE COMPRESSIVE STRENGTH- 4000 PSI AT 28 DAYS.
- METHOD OF MANUFACTURE: WET CAST.
- SECTIONS ARE MONOLITHIC.

WEIGHT CHART

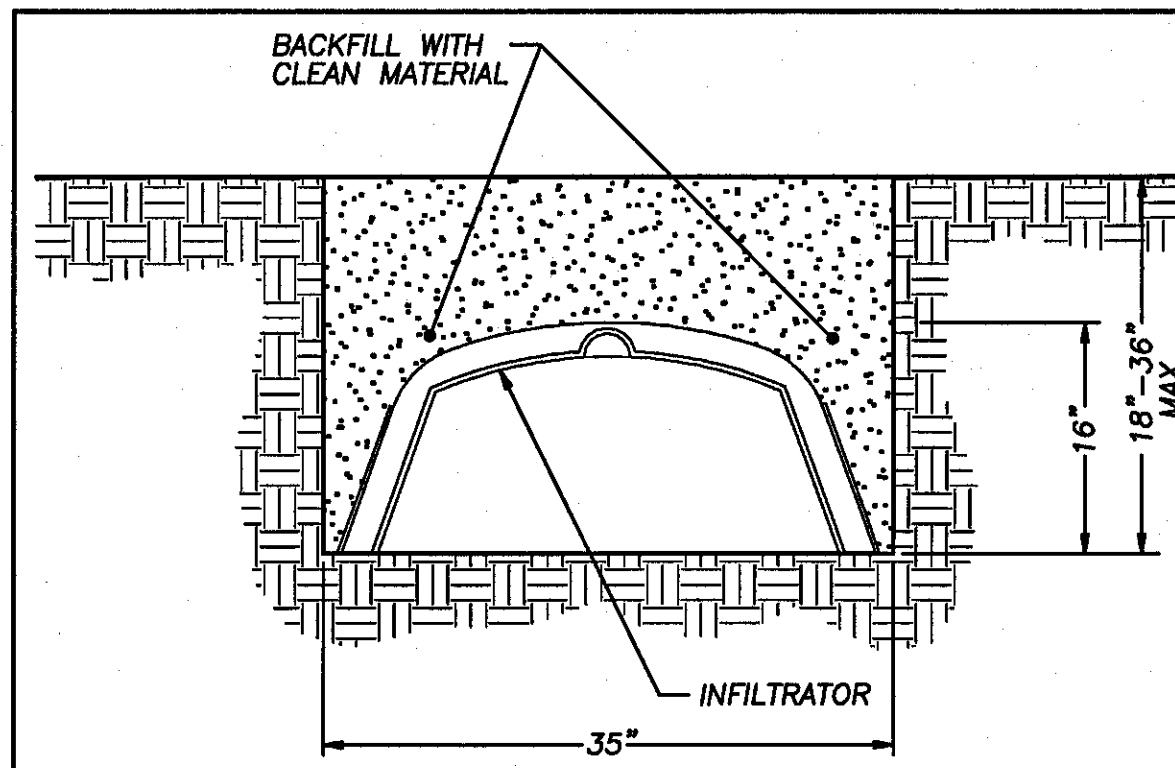
PRODUCT	APPROX. WEIGHT
TANK	PEOD LBS.



TOP VIEW (COVERS AND RISERS REMOVED)



SIDE VIEW



HIGH CAPACITY CHAMBER ABSORPTION TRENCH NOT TO SCALE

NOTES:

- SEPTIC TANK TO BE CONSTRUCTED OF MINIMUM 4500 PSI REINFORCED CONCRETE.
- GRADING CAN AFFECT SOIL SUIABILITY FOR FIELD LINES AND MAY VOID THE USE OF A LOT FOR AN ON-SITE SEWAGE MANAGEMENT SYSTEM. FURTHER SOIL STUDY MAY BE REQUIRED PRIOR TO ISSUANCE OF A SEPTIC TANK PERMIT OR APPROVAL OF AN ON-SITE SEWAGE MANAGEMENT SYSTEM.
- TRASH BURIAL PIT LOCATIONS MUST BE REPORTED TO THE HALL COUNTY ENVIRONMENTAL HEALTH DEPARTMENT PRIOR TO ISSUANCE OF SEPTIC TANK PERMIT.
- 8005 AND TSS NOT TO EXCEED 200 mg/L.
- ANY ABANDONED WELL SHALL BE PROPERLY CLOSED AS PER WATER WELL STANDARDS ACT.
- ANY ABANDONED SEPTIC TANK SHALL BE PUMPED BY A STATE CERTIFIED PUMPER/AUGER AND CRUSHED/FILLED.

SUITABILITY CODES

- A SUITABILITY CODE=SOIL SERIES SHOULD HAVE ABILITY TO FUNCTION AS SUITABLE ABSORPTION FIELD WITH PROPER DESIGN, INSTALLATION, AND MAINTENANCE.
- F SUITABILITY CODE=NORMALLY CONSIDERED UNSATISFACTORY FOR USE FOR CONVENTIONAL ABSORPTION FIELDS.

DUMPSTER NOTES:

- DUMPSTERS ON NON-ABSORBENT CLEANABLE PAD WITH CURB AROUND IT.
- LOCATE DRAIN IN AREA OF DUMPSTER WHERE IT WILL NOT BE BLOCKED BY DUMPSTER.
- ENCLOSURE AROUND DUMPSTER AREA.

SEPTIC CALCULATIONS:

COMMERCIAL USE
REQUIRED FLOW: 2,079 GPD
(PACOLET & UDOROTH CUT/FILL USED)
50 Min/in PERCOLATION RATE COEFFICIENT= 1.414 SF/G
(2,079 GPD x 1.414 SF/G) / 3 = 980 L.F. OF CONVENTIONAL GRAVEL SYSTEM REQUIRED.

PRIMARY SYSTEM:

35% REDUCTION FOR (HIGH CAPACITY) INFILTRATOR
980 x (0.65) = 637 L.F. OF INFILTRATOR REQUIRED
672 L.F. OF HIGH CAP. INFILTRATOR SHOWN.

RESERVE SYSTEM:

COMMERCIAL USE
REQUIRED FLOW: 2,079 GPD
(PACOLET & UDOROTH CUT/FILL USED)
55 Min/in PERCOLATION RATE COEFFICIENT= 1.483 SF/G
(2,079 GPD x 1.483 SF/G) / 3 = 1,028 L.F. OF CONVENTIONAL GRAVEL SYSTEM REQUIRED.

1,030 L.F. OF CONVENTIONAL GRAVEL SYSTEM REQUIRED.

DUMPSTER DRAIN CALCULATIONS:

COMMERCIAL USE
REQUIRED FLOW: 101 GPD
(PACOLET & UDOROTH CUT/FILL USED)
50 Min/in PERCOLATION RATE COEFFICIENT= 1.414 SF/G
(101 GPD x 1.414 SF/G) / 3 = 48 L.F. OF CONVENTIONAL GRAVEL SYSTEM REQUIRED.

35% REDUCTION FOR (HIGH CAPACITY) INFILTRATOR
48 x (0.65) = 31 L.F. OF INFILTRATOR REQUIRED
40 L.F. OF HIGH CAP. INFILTRATOR SHOWN.

DRAIN FIELD NOTE:

SEPTIC DRAIN FIELD AREA MUST BE GRASSED, MAINTAINED AND KEPT FREE OF TREES AND BRUSH. HEAVY EQUIPMENT MUST BE KEPT OFF DRAIN FIELD.

SEPTIC NOTES:

- ANY DEVIATIONS FROM THESE PLANS MUST BE APPROVED BY THE HALL COUNTY HEALTH DEPARTMENT AND THE DESIGN ENGINEER.
- ANY GRADING, FILLING, OR OTHER ALTERATIONS OR CONSTRUCTION ACTIVITIES ON THE FIELD LINE AREA SUBSEQUENT TO THE FINAL INSPECTION BY THE COUNTY BOARD OF HEALTH WHICH MAY ADVERSELY AFFECT THE ON-SITE SEWAGE MANAGEMENT SYSTEM SHALL RENDER THE APPROVAL VOID.
- SOILS INFO TAKEN FROM SOIL MAP PREPARED BY KNSOILS, LLC.
- CONTRACTOR RESPONSIBLE FOR COMPLIANCE WITH ALL SAFETY REQUIREMENTS FOR EXCAVATION & CONSTRUCTION IN ACCORDANCE WITH OSHA, STATE & LOCAL LAWS.
- INFILTRATOR LENGTH CALCULATED AT 40" PER SEGMENT.

GENERAL NOTES:

- ALL PVC PIPE SHALL BE SCHEDULE 40 PVC.
- ALL PVC LATERALS AND DISTRIBUTION LINES ARE TO BE AT A MINIMUM SLOPE OF 0.25" PER FOOT (2.08%).
- CLEAN OUTS SHALL BE SPACED NO FURTHER THAN 75 FEET APART.
- CONTRACTOR SHALL LOCATE CRUSH AND FILL ANY EXISTING SEPTIC TANKS ON SITE.

WASTEWATER USAGE

USAGE	ATTENDEES	TOTAL GALLONS PER DAY
DESCRIPTION	TOTAL	GPD
GEORGE (WITH KITCHEN)	241	1/2 ANNUARY SEAT
TOTAL		2079

NOTE:

THE PROPER PERMITS FROM THE HALL COUNTY HEALTH DEPARTMENT SHALL BE OBTAINED BEFORE CONSTRUCTION OF THE RESERVE SEPTIC SYSTEM IF REQUIRED IN THE FUTURE.

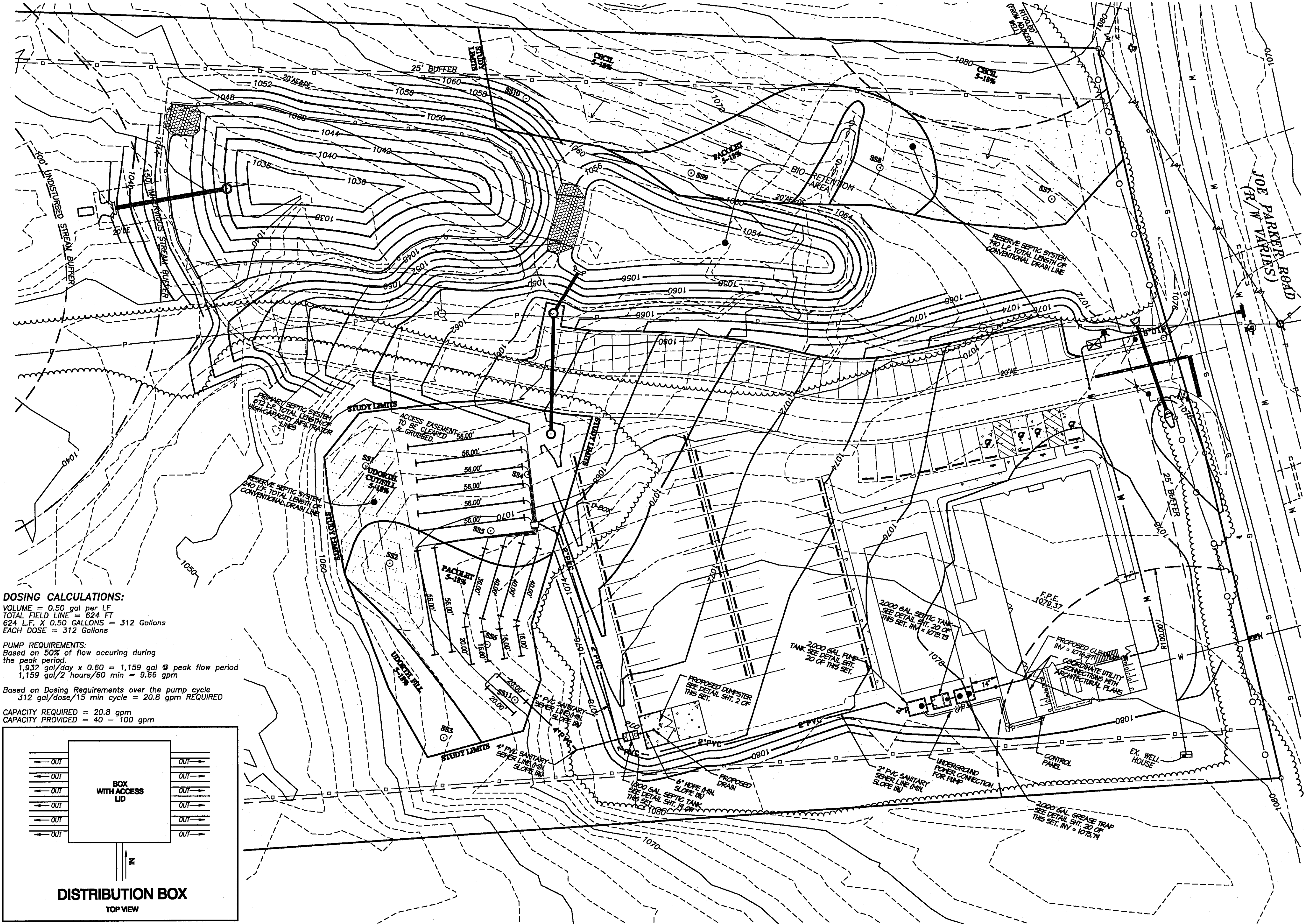
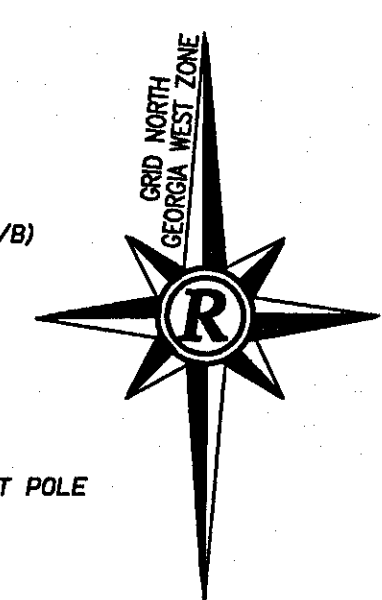
SEPTIC TANK WILL REQUIRE COMMERCIAL EFFLUENT FILTER RATED FOR MAXIMUM GPD FLOW OR GREATER.

LEGEND

- BWF - BARB WIRE FENCE
- CB - CURB & BUTTER
- CL - CENTER LINE
- DB - DEED BOOK, PAGE
- EX - EXISTING
- FB - FLARED END SECTION
- FH - FIRE HYDRANT
- GM - GUY WIRE
- INV - INVERSE
- IPS - IRON PIN SET (1/2" R/B)
- LF - LINEAL FOOT
- LL - LAND LOT
- LL - LAND LOT LINE
- N/F - NOW OR FORMERLY
- PL - POWER LINE
- PP - POWER POLE
- P/T - POWER TELEPHONE LINE
- RB - POINT OF BEGINNING
- PL - PROPERTY LINE
- PLP - POWER TELEPHONE LIGHT POLE
- RSE - REAR FOUND
- R/W - RIGHT OF WAY
- HW - WATER LINE
- WM - WATER METER
- WV - WATER VALVE

SOIL MAP LEGEND

- ⊙ 556 Soil Auger Hole / Reference Point Location
- Soil Boundary
- - - Limits Of Soil Evaluation



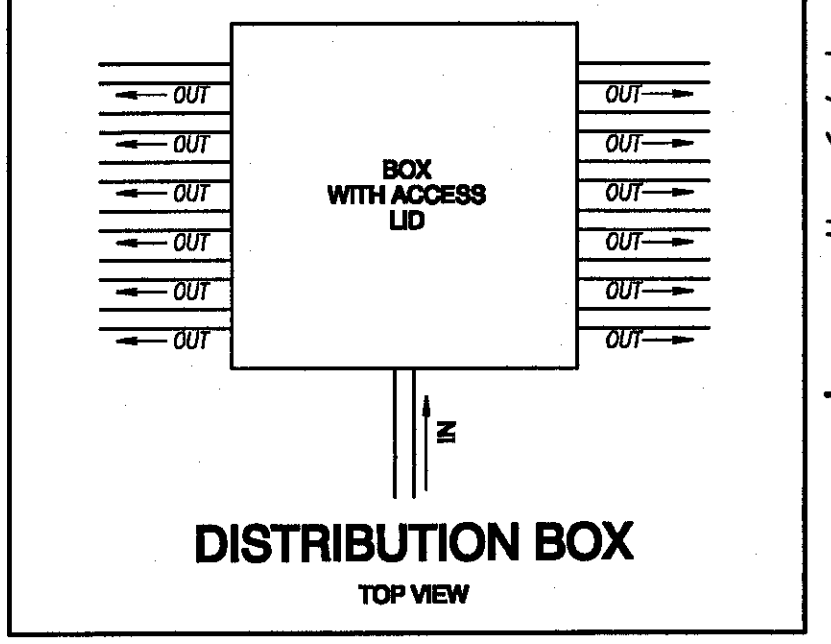
DOSING CALCULATIONS:

VOLUME = 0.50 gal per LF
TOTAL FIELD LINE = 624 FT
624 L.F. x 0.50 GALLONS = 312 Gallons
EACH DOSE = 312 Gallons

PUMP REQUIREMENTS:
Based on 50% of flow occurring during the peak period
1,932 gal/day x 0.60 = 1,159 gal @ peak flow period
1,159 gal/2 hours/60 min = 9.66 gpm

Based on Dosing Requirements over the pump cycle
312 gal/dose/15 min cycle = 20.8 gpm REQUIRED

CAPACITY REQUIRED = 20.8 gpm
CAPACITY PROVIDED = 40 - 100 gpm



DISTRIBUTION BOX TOP VIEW

KW SOILS, LLC.
4961 HOLLAND VIEW DRIVE FLOWERY BRANCH, GA 30542
WORK PH: 706-776-5828 FAX: 706-776-2241
GA REGISTERED SOIL CLASSIFIER #151

COUNTY: HALL DATE: 1/17/2023
OWNER: ROCHESTER AND ASSOCIATES PHONE: 678-450-5130
CONTACT: STEPHEN SISK
SITE LOCATION ADDRESS: 3210 JOE PARKER ROAD GAINESVILLE, GA

INTENSITY LEVEL OF INVESTIGATION: LEVEL 3 SOIL ANALYSIS
SCALE: ONE INCH = 60 FEET
THIS REPORT IS BASED ON CONVENTIONAL SEPTIC SYSTEMS AND ALL RECOMMENDATIONS ARE BASED ON INSTALLATION FROM THE ORIGINAL SOIL SURFACE. ANY GROUND ALTERATION OF 12 INCHES OR MORE VOIDS THE MAPPED AREA.

MAP UNIT	SOIL SERIES	SLOPE % verified	DEPTH TO BEDROCK (inches) verified	DEPTH TO SEASONAL HIGH H2O TABLE (inches) verified	PERC RATE AT OPTIMUM DEPTH MIN./IN. predicted	DEPTH TO OPTIMUM PERC (inches) measured	SUITABILITY CODE (see attachment for definitions)
	CECIL	5-18%	>72	>72	55	30-37	A
	PACOLET	1-18%	>72	>72	30	30-37	A
	UDOROTH CUT/FILL	1-18%	>72	>72	30	30-37	A
	UDOROTH FILL	5-18%	>72	>72	SEE CODES	SEE CODES	F

- AREAS WHICH FLOOD OR HAVE POTENTIAL FOR PROBLEMS ASSOCIATED WITH FLOODING SHOULD NOT BE UTILIZED
- DRAINAGE, RINS ALL YEAR, (ONE DOT) OR SOLID BLUE LINE
 - DRAINAGE, RUNS PART OF THE YEAR, (DOTS)
 - SLOPE (DIRECTION FALLING)
 - WELL
 - TIF
 - TANK AND SYSTEM IN FIRST
 - SPRINGHEAD
 - GULLY, AND/OR RAINY WEATHER DRAINAGE WAY
 - ROCK OUTCROP
 - TEST PITS
 - SWALE - DRAINAGE AREA
 - BORED, NUMBERED & FLAGGED HOLE SITE

K.W.S. NOTE: WELLS ARE LOCATED WHEN POSSIBLE. IT IS UNLAWFUL TO PERSESS ON ADJOINING PROPERTIES. IT IS THE CLIENT'S RESPONSIBILITY TO INFORM THE HEALTH DEPARTMENT OF WELLS ON ADJOINING PROPERTIES.
ANY CHANGES OR ALTERATIONS MADE TO THIS SOIL MAP OR INTERPRETATIONS WITHOUT THE WRITTEN APPROVAL OF KW SOILS, LLC. THE INFORMATION CONTAINED IN THIS REPORT IS BASED ON THE PROFESSIONAL OPINION AND JUDGMENT OF THE SOIL CLASSIFIER AND IS NOT A GUARANTEE OF THE PERFORMANCE OF ANY WASTE DISPOSAL SYSTEM. KW SOILS, LLC DOES NOT DESIGN, INSTALL, MAINTAIN OR OPERATE WASTE DISPOSAL SYSTEMS. YOUR LOCAL HEALTH DEPARTMENT MAY VIEW THE SOIL CONDITIONS DIFFERENTLY THAN THE SOIL CLASSIFIER AND WILL HAVE FINAL SAY IN THEIR COUNTY. YOUR LOCAL HEALTH DEPARTMENT HELD FULL AUTHORITY IN THE PERMITTING OF ON-SITE WASTE DISPOSAL SYSTEMS. KW SOILS, LLC DOES NOT PROVIDE SOIL SURVEYS IN VIOLATION OF THE GEORGIA SOIL SURVEY MANUAL, U.S. SOIL TAXONOMY, AND ALL MAPPING IS DONE IN ACCORDANCE TO THE NATIONAL COOPERATIVE SOIL SURVEY STANDARDS. ALSO, ALL WORK MUST BE IN ACCORDANCE WITH THE GEORGIA SOIL CLASSIFIER CERTIFICATE BOARD MINIMUM SOIL INVESTIGATION STANDARDS FOR ON-SITE SEWAGE DISPOSAL SYSTEMS.

NOTES:

Rochester BCCM
Rochester and Associates, LLC
425 Oak St. NW, Gainesville, GA 30501
770.718.0600 p | www.rochester-assoc.com

SEPTIC PLAN FOR:
JOE PARKER SPECIAL EVENTS FACILITY
LOCATED IN
3210 JOE PARKER ROAD
G.M.D. #11
HALL COUNTY, GEORGIA

NO.	DATE	DESCRIPTION	REVISIONS

ANY CHANGES OR ALTERATIONS MADE TO THESE CONSTRUCTION DRAWINGS WITHOUT THE WRITTEN APPROVAL OF ROCHESTER AND ASSOCIATES, LLC. YOURS THE SEAL SHOWING WHEREIN AN APPROVAL IS NOT ASSOCIATED. DRAWINGS ARE KEPT ON FILE FOR VERIFICATION OF ANY CHANGES.

GRAPHIC SCALE
15' 0' 30' 60'



SHEET 19 OF 25
DATE: 4/23/2023
SCALE: 1" = 30'
JOB NO.: 022173-PR
FILE NO.: *025173-PR
DRAWN BY: SWS

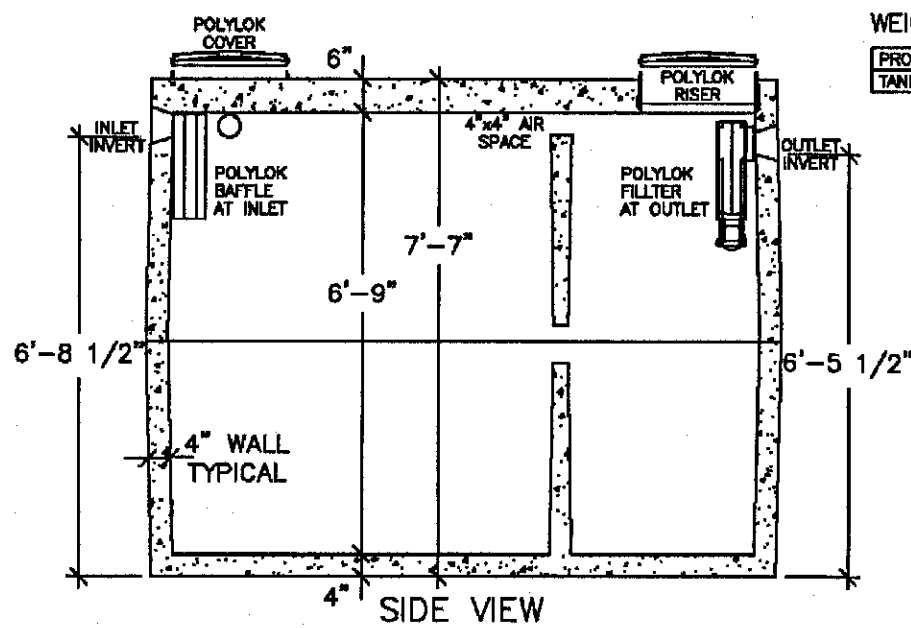
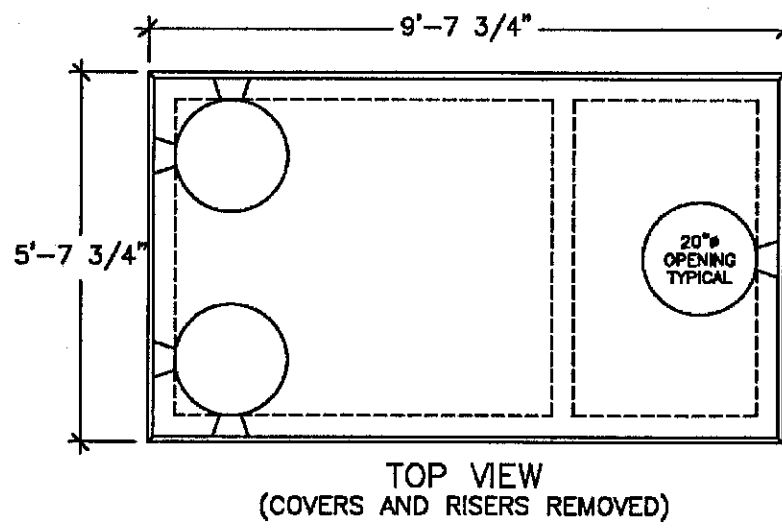
NOTE: TANK TO BE FABRICATED WITH JOINTS FOR 48" DIA. STACKOUTS, ONE ON EACH END OF THE TANK FOR ACCESS. CONTRACTOR TO CONSTRUCT CONCRETE MANHOLE STACKOUTS TO PROPOSED GRADE ELEV. 1220.49 WITH 24" X 24" ACCESS COVERS (TRAFFIC RATED).

2000 GALLON REGULAR SEPTIC TANK

TANK DESIGN SPECIFICATION CONFORMS TO LATEST ASTM DESIGNATION C1227

NOTES:

- JOINT SEALANT IS BUTYL RUBBER MASTIC TYPE SEAL THAT CONFORMS TO LATEST AASHTO SPECIFICATION M-19B. MEETS FEDERAL SPECIFICATION SS-S-0021(210-A).
- PIPE INLET AND OUTLET LOCATIONS HAVE POLYLOK II PIPE SEALS.
- REINFORCING STEEL DEFORMED BARS CONFORM TO LATEST ASTM SPECIFICATION A615.
- CONCRETE COMPRESSIVE STRENGTH - 4000 PSI AT 28 DAYS.
- METHOD OF MANUFACTURE: WET CAST.
- SECTIONS ARE MONOLITHIC.



WEIGHT CHART

PROJECT TANK	APPROX WEIGHT
	16100 LBS.

UNITED CONCRETE PRODUCTS INC.
173 CHURCH STREET TEL. 800 234-3119 FAX. (203) 265-4941
YALESVILLE, CT 06492 (203) 269-3119

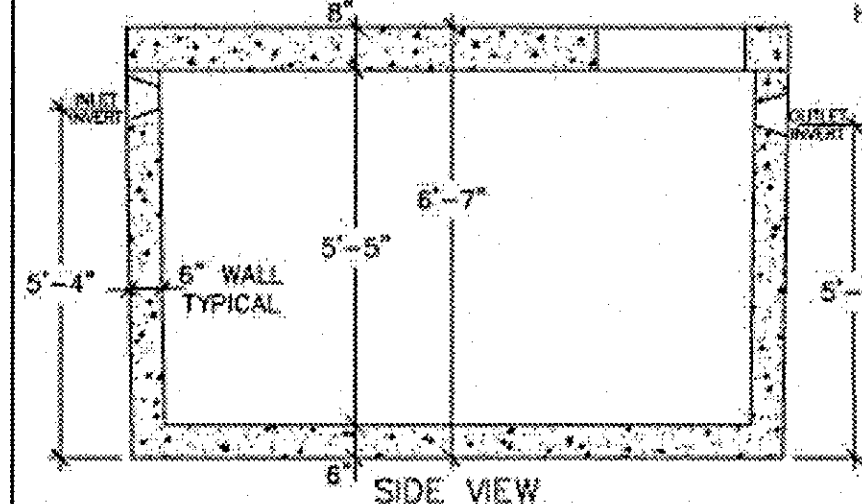
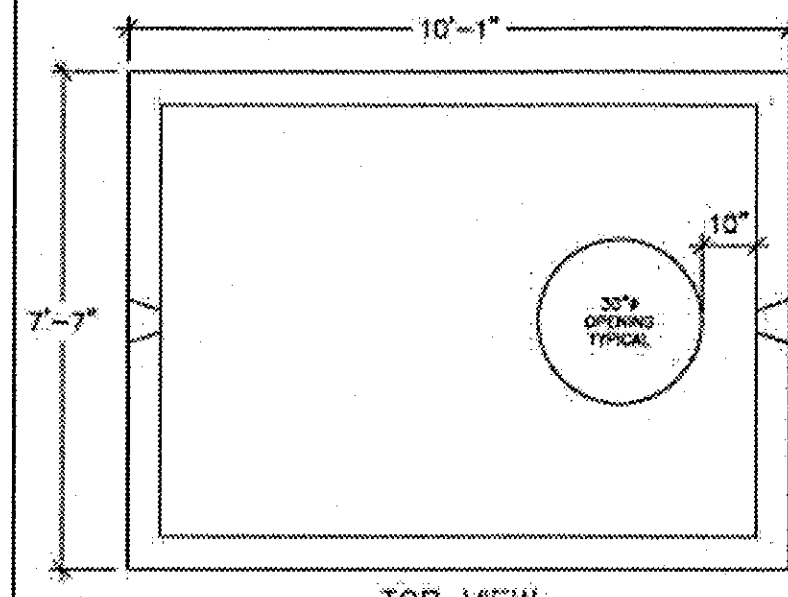
NOTE: PUMP TANK TO INCLUDE 1/2 HP PUMP, SEE DETAILS THIS SHEET FOR SPECIFICATIONS AND DETAILS.

2000 GALLON PUMP CHAMBER

TANK DESIGN SPECIFICATIONS CONFORMS TO LATEST ASTM DESIGNATION C913.

NOTES:

- JOINT SEALANT IS BUTYL RUBBER MASTIC TYPE SEAL THAT CONFORMS TO LATEST AASHTO SPECIFICATION M-19B. MEETS FEDERAL SPECIFICATION SS-S-0021(210-A).
- PIPE INLET AND OUTLET LOCATIONS HAVE POLYLOK II PIPE SEALS. TYPICAL, CUSTOM KNOCKOUTS CAN BE CAST ON REQUEST.
- WHEN SPECIFIED THE TANK EXTERIOR IS COATED WITH BAY OIL, EBONY OR EQUAL.
- WHEN SPECIFIED THE TANK INTERIOR IS COATED WITH FLOKOK EPOXY OR EQUAL.
- REINFORCING STEEL DEFORMED BARS CONFORM TO LATEST ASTM SPECIFICATION A615.
- CONCRETE COMPRESSIVE STRENGTH - 4000 PSI AT 28 DAYS.
- METHOD OF MANUFACTURE: WET CAST.
- SECTIONS ARE MONOLITHIC.
- THE CHAMBER IS DESIGNED FOR HS-20 LOADING w/18" OF SOIL COVER.



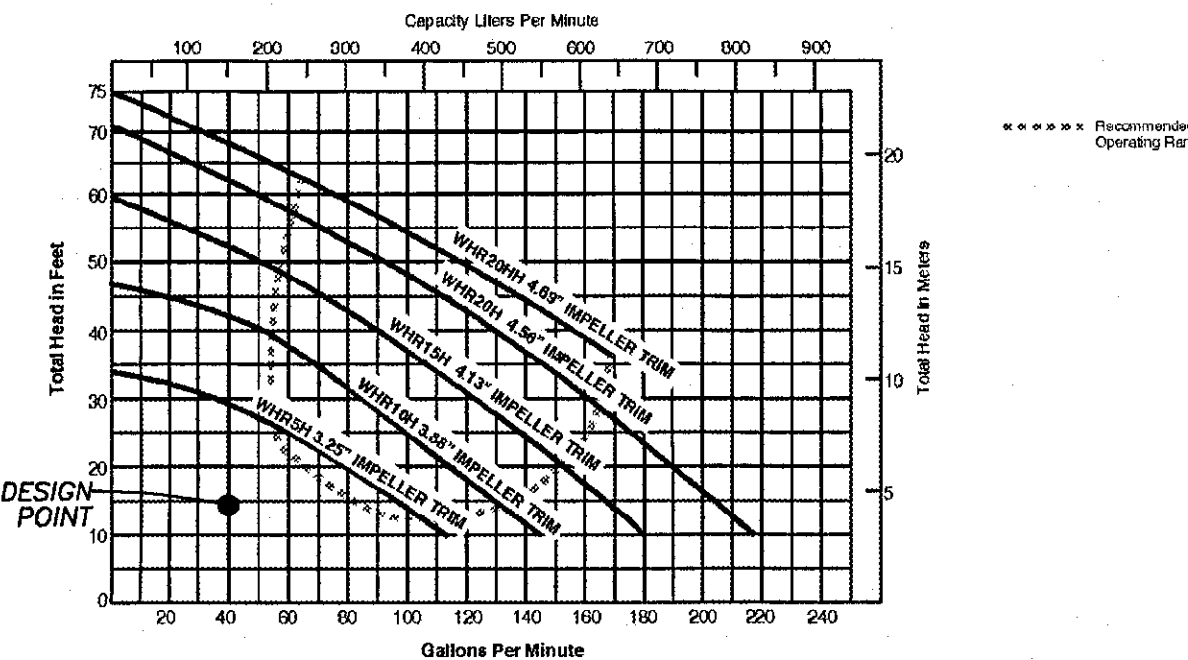
WEIGHT CHART

PROJECT TANK	APPROX WEIGHT
	26800 LBS.

UNITED CONCRETE PRODUCTS INC.
173 CHURCH STREET TEL. 800 234-3119 FAX. (203) 265-4941
YALESVILLE, CT 06492 (203) 269-3119

RESIDENTIAL AND COMMERCIAL SEWAGE AND EFFLUENT PUMPS

MYERS® WHR5H-WHR20HH



MOTOR ELECTRICAL DATA

MODEL NUMBER	HP	VOLTS	PHASE	HERTZ	START AMPS	MAX AMPS	RUN AMPS	RUN KW	START KVA	NEC code	LETTER
WHR5H-11	1/2	115	1	60	30.4	13.8	1.9	3.5	1.6	H	H
WHR5H-21	1/2	230	1	60	16.2	7.6	1.7	3.4	1.6	H	H
WHR5H-31	1/2	460	3	60	8.7	4.2	1.4	3.0	1.4	H	H
WHR5H-41	1/2	460	3	60	10.1	2.3	1.4	8.0	1.9	S	S
WHR5H-51	1/2	575	3	60	8.1	1.3	1.3	8.0	1.9	S	S
WHR10H-01	1	230	1	60	29.0	14.8	3.0	5.8	2.8	D	D
WHR10H-21	1	230	1	60	23.0	12.8	3.0	5.3	2.8	B	B
WHR10H-31	1	230	3	60	30.0	7.7	2.5	10.8	3.0	J	J
WHR10H-41	1	230	3	60	30.0	7.7	2.5	10.8	3.0	K	K
WHR10H-51	1	230	3	60	15.0	3.5	2.5	11.9	3.0	C	C
WHR10H-61	1	575	3	60	12.0	2.8	2.5	11.9	3.0	D	D
WHR15H-01	1-1/2	230	1	60	39.7	15.3	3.3	8.2	3.2	K	K
WHR15H-21	1-1/2	230	1	60	34.4	13.1	3.2	7.7	3.0	C	C
WHR15H-31	1-1/2	230	3	60	30.0	8.5	2.8	10.8	3.4	F	F
WHR15H-41	1-1/2	230	3	60	30.0	7.7	2.8	11.9	3.1	G	G
WHR15H-51	1-1/2	460	3	60	15.0	3.7	2.8	11.9	3.1	G	G
WHR15H-61	1-1/2	575	3	60	12.0	3.1	2.8	11.9	3.1	G	G
WHR20H-21	2	230	1	60	63.0	18.0	3.8	14.5	3.7	E	E
WHR20H-31	2	230	3	60	53.0	10.4	3.3	19.1	3.6	G	G
WHR20H-41	2	230	3	60	44.6	9.0	3.3	18.3	3.6	G	G
WHR20H-51	2	460	3	60	23.0	4.5	3.3	18.3	3.6	G	G
WHR20H-61	2	575	3	60	18.4	3.6	3.3	18.3	3.6	G	G

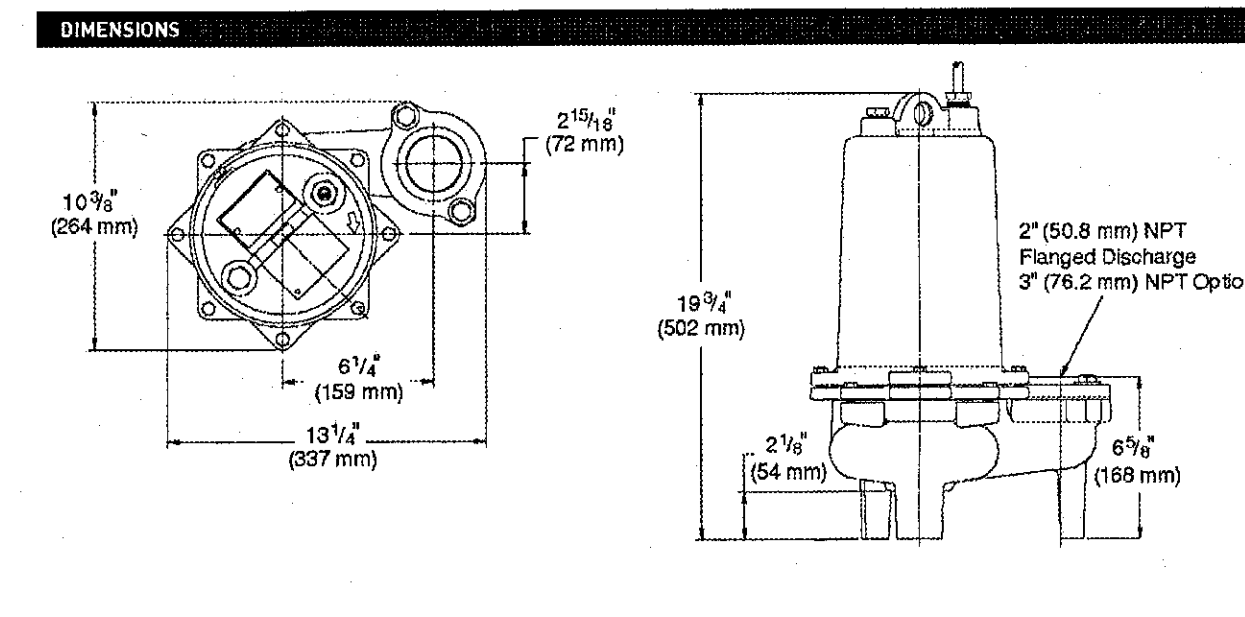
PENTAIR

RESIDENTIAL AND COMMERCIAL SEWAGE AND EFFLUENT PUMPS

MYERS® WHR5H-WHR20HH

ORDERING INFORMATION

MODEL NUMBER	HP	VOLTS	PHASE/CYCLES	DISCHARGE SIZE	SWITCH TYPE	CORD LENGTH	WEIGHT LBS.
WHR5H-11		115	1/60				
WHR5H-21		230	1/60				
WHR5H-31	1/2	460	3/60	2" (50.8 mm)	Manual	20' (6.1 mm)	75 (34 kg)
WHR5H-41		460	3/60				
WHR5H-51		575	3/60				
WHR10H-01		230	1/60				
WHR10H-21	1	230	1/60	2" (50.8 mm)	Manual	20' (6.1 mm)	79 (35.8 kg)
WHR10H-31		230	3/60				
WHR10H-41		460	3/60				
WHR10H-51		575	3/60				
WHR15H-01		230	1/60				
WHR15H-21	1-1/2	230	1/60	2" (50.8 mm)	Manual	20' (6.1 mm)	85 (38.6 kg)
WHR15H-31		230	3/60				
WHR15H-41		460	3/60				
WHR15H-51		575	3/60				
WHR20H-21	2	230	1/60	2" (50.8 mm)	Manual	20' (6.1 mm)	95 (43.1 kg)
WHR20H-31		230	3/60				
WHR20H-41		460	3/60				
WHR20H-51		575	3/60				
WHR20H-61		575	3/60				

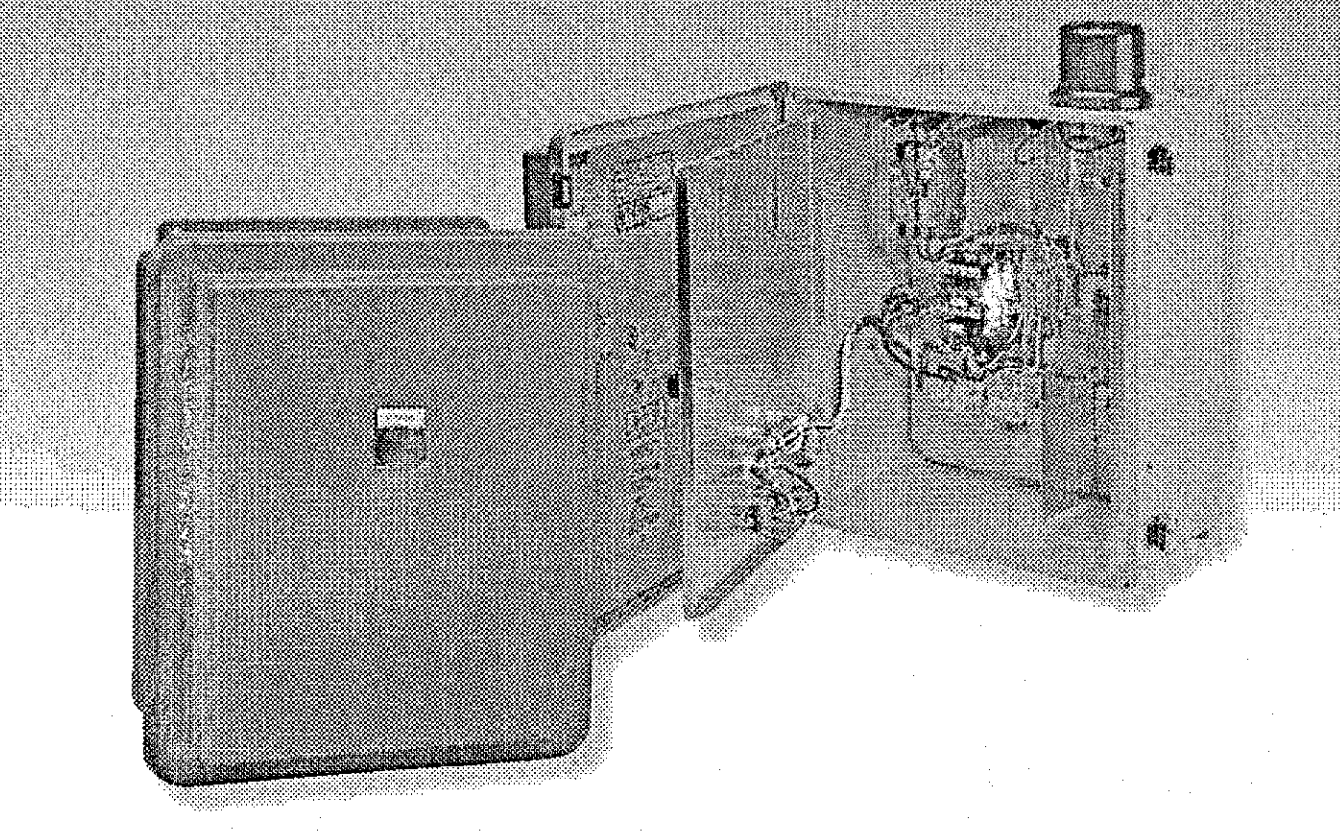


PENTAIR

ACCESSORIES

CE, CMEP and CMW

Simplex, Duplex, Indoor and Outdoor Control Panels



- FEATURES**
- Quality electrical components assure reliable automatic pump operation
 - For 1/2 - 7 HP sump, sewage and effluent pumps
 - IEC horsepower-rated contactors (10) and motor starters (50)
 - 30 starters with ambient-compensated quick-trip overloads
 - Includes alternating and override relays to maximize pump wear
 - Designed for use with off-on alarm (simplex) and off-on lag-alarm (duplex) mercury switches (not included with panel) for long life
 - Corrosion resistant for long life
 - Weather-tight NEMA 4X fiberglass enclosure with outdoor panels
 - Indoor NEMA 1 panels are enamel-coated galvanized steel
 - Meets NEC safety standards
 - UL-508 approved panel designs
 - Outdoor NEMA 4X panels include standard high water alarm light
 - Indoor NEMA 1 panels include standard high water alarm light
 - 24V control circuitry
 - Transfer switch/generator receptacle
 - Pump delay circuitry
 - Low level cut-off and alarm
 - Phase loss circuitry
 - Low voltage circuitry
 - Note: Additional options available

RESIDENTIAL AND COMMERCIAL SEWAGE AND EFFLUENT PUMPS

MYERS® WHR5H-WHR20HH

SPECIFICATIONS

Sewage Pumps - Pumps shall be Myers WHR5H - WHR20HH series sewage pumps selected in accordance with the following design criteria:

Number of Pumps:	1
Primary Design Flow:	40.00 GPM
Primary Design Head:	14.3 FEET
Minimum Shut-off Head:	3.5 FEET
Motor Horsepower:	1/2
Motor Speed:	3450 RPM
Electrical:	SINGLE

Pump - The pump shall be designed to handle raw sewage and be capable of passing 2 inch (50.8 mm) spherical solids. The pump shall be capable of handling liquids with temperatures to 140°F (60°C) intermittent and shall be capable of intermittently running dry without damage to the seals or bearings.

Motor - The pump motor shall be of the submersible type rated 1/2, 1, 1-1/2 or 2 hp as required. Motor shall operate at 3450 RPM and shall be for 115, 208 or 230 volts single phase, or 208, 230, 460, or 575 volts, 3 phase, 60 cycles. Single phase motors shall be of the permanent split capacitor type with no relays or starting switches. Three phase motors shall be squirrel cage induction type. Stator winding shall be of the open type with Class B insulation rated for 130°C maximum operating temperature. The winding housing shall be filled with clean dielectric oil to lubricate bearings, seals, and transfer heat from the windings to the outer shell. The motor assembly shall be of the standard frame design and shall be secured in place by four threaded fasteners allowing for easy field serviceability.

The motor shall be capable of operating over the full range of the performance curve without overloading the motor and causing any objectionable noise or vibration. The common motor pump shaft shall be of 416 stainless steel and shall be heat treated in the die cast motor rotor. The motor shall have two bearings to support the motor, an upper ball bearing to accommodate radial loads and a lower ball bearing to take thrust and radial loads. Ball bearings shall be designed for a B-10 life of 50,000 hours.

A heat sensor thermostat and overload shall be attached to the top end of the motor windings and shall be wired in series with the windings to stop the motor if the motor winding temperature reaches 264°F (130°C). The thermostat shall reset automatically when the motor cools to a safe operating temperature. Three phase motors shall be protected by 3 leg overload relay in control box. Overload shall be of the quick trip ambient compensated type and shall have manual reset button.

Power Cord - The motor power cord shall be SJOWW for single phase and SJOWW for three phase. The cable jacket shall be sealed at the motor entrance by means of a rubber compression washer and compression nut. A heat shrink tube filled with epoxy shall seal the outer cable jacket and the individual leads to prevent water from entering the motor housing.

Shaft Seal - The motor shall be protected by a rotating mechanical shaft seal. The seal shall have carbon and ceramic seal faces lapped to a tolerance of one light band. Metal parts and springs for seals shall be 300 series stainless steel.

Pump Impeller - The pump impeller shall be of the recessed vortex type. The impeller shall be constructed of ductile iron. The impeller shall be threaded onto the 416 stainless steel pump/motor shaft.

Pump and Motor Castings - All castings shall be of high tensile strength Class 30 gray cast iron. Castings shall be treated with phosphate rinse and painted with a high quality air dry enamel.

Fasteners - All exposed fasteners shall be of 300 series stainless steel.

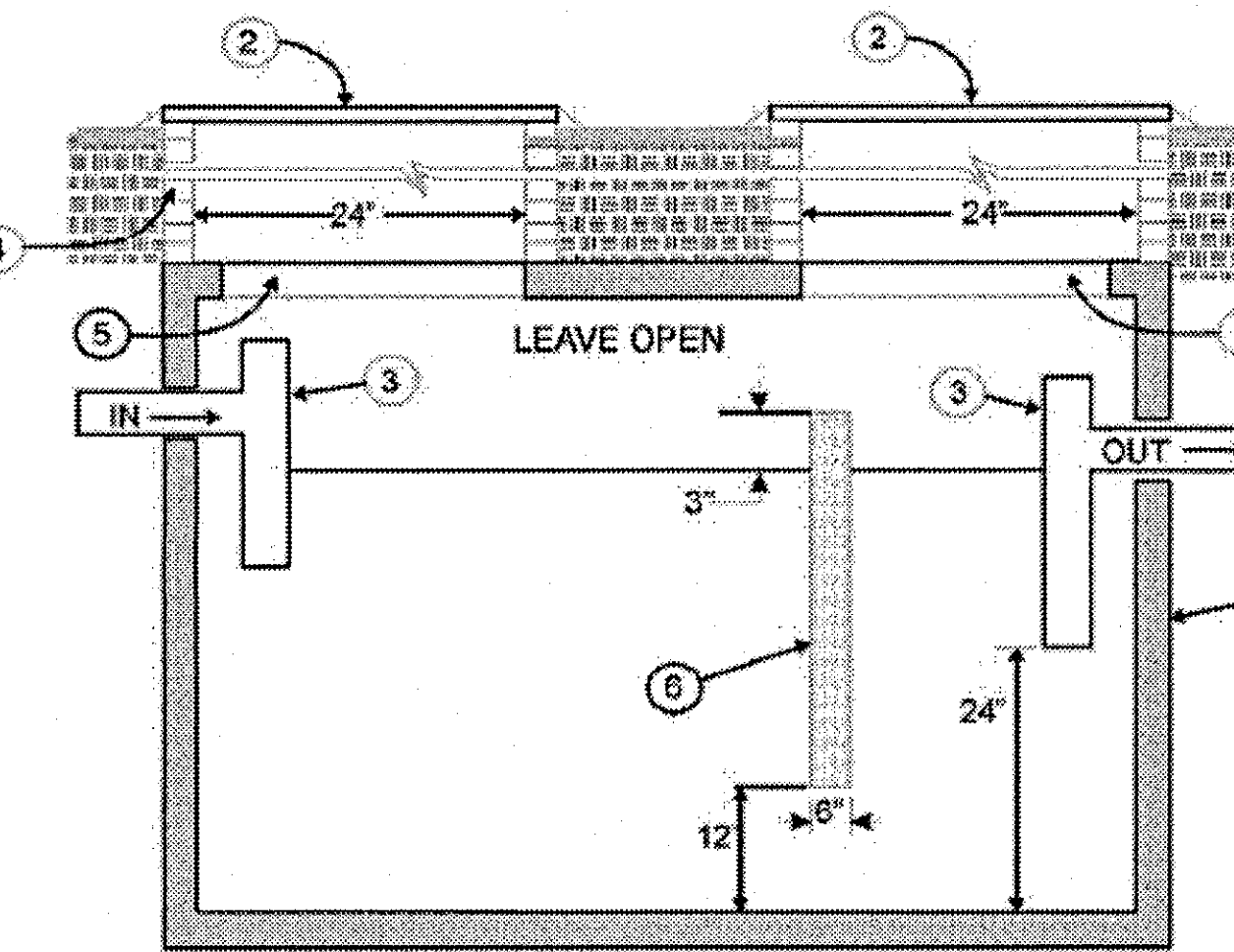
PENTAIR

USA: 213 WRIGHT STREET, DELAWARE, WI 53115 WWW.PENTAIR.COM
CANADA: 490 PINEBUSH SQ., UNIT 4, CAMBRIDGE, ONTARIO, CANADA N1T 0A5
PH: 888-937-8477 ORDERS FAX: 800-426-9446 PH: 800-263-7867 CHANGES FAX: 888-434-5484

Because we are continuously improving our products and services, Pentair reserves the right to change specifications without prior notice.

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STANDARD DESIGN GREASE INTERCEPTOR



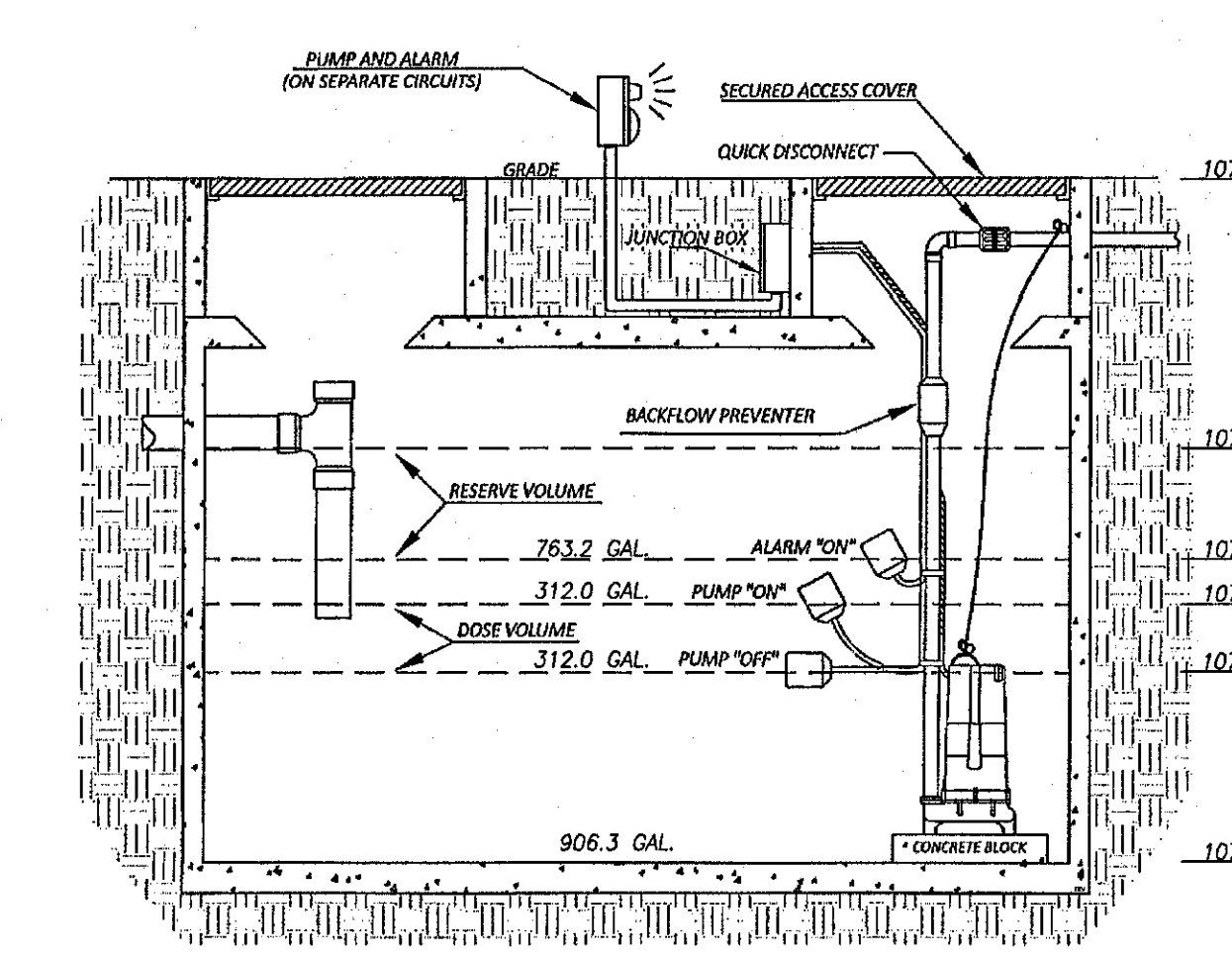
- PRECAST TANK, 2,000 GALLONS.
- MANHOLE TOP AND RING, ONE OVER EACH SECTION.
- PIPE AND FITTINGS OF APPROVED MATERIALS (SCHEDULE 40 PVC - MINIMUM)
- BRICK UP TO GRADE. INSTALL MANHOLE STEPS 2'0\"/>

Figure DF - 7

SECTION B | Effluent Distribution

5) Tables, Figures and Forms

Figure 11.E Typical Dosing Tank with Pump



On-Site Sewage Management Systems Manual

Page 135 of 289

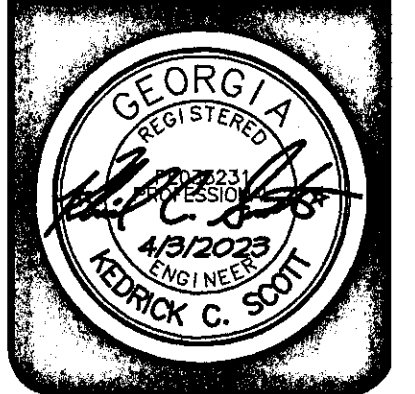
Rochester | **PECCM**

Rochester and Associates, LLC
435 West NW, Gainesville, GA 30501
770.718.0600 P | www.rochester-peccm.com

SEPTIC PLAN FOR:
JOE PARKER SPECIAL EVENTS FACILITY
LOCATED IN
3210 JOE PARKER ROAD
G.M.D. 411
HALL COUNTY, GEORGIA

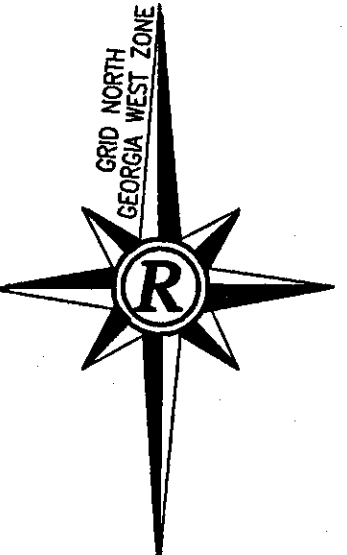
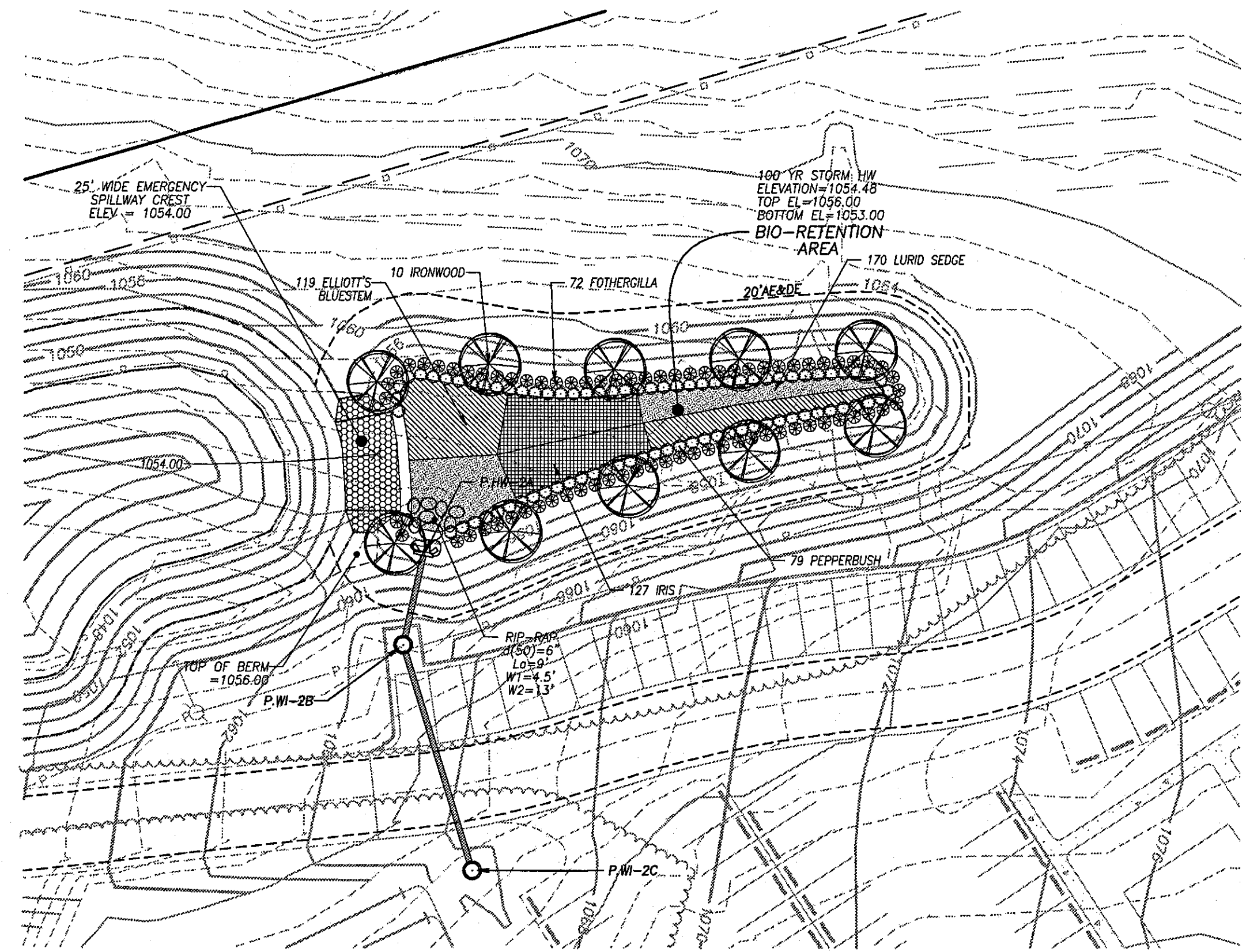
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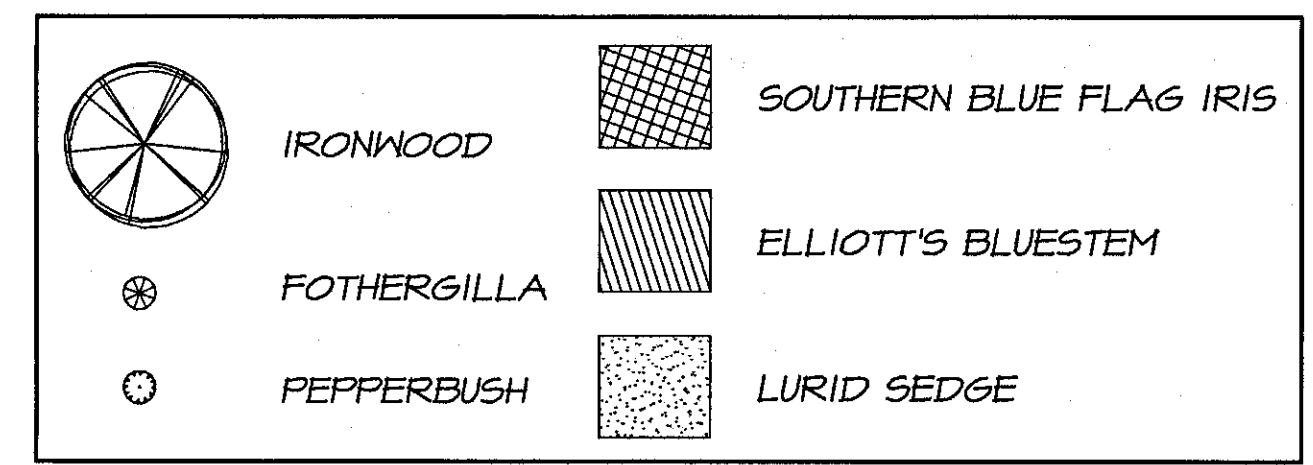


BIO-RETENTION AREA

PLANT LIST

QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	SPACING
10	CARPINUS CAROLINIANA	IRONWOOD	3" GAL	30' O.C.
72	FOTHERGILLA GARDENII	FOTHERGILLA	3 GAL	4' O.C.
127	IRIS VIRGINICA	SOUTHERN BLUE FLAG IRIS	1 GAL	3' O.C.
114	ANDROPOGON GYRANS	ELLIOTT'S BLUESTEM	1 GAL	3' O.C.
170	CAREX LURIDA	LIRIOD SEDGE	1 GAL	1'-6" O.C.
74	CLETHRA ALNIFOLIA	PEPPERBUSH	3 GAL	3'-6" O.C.

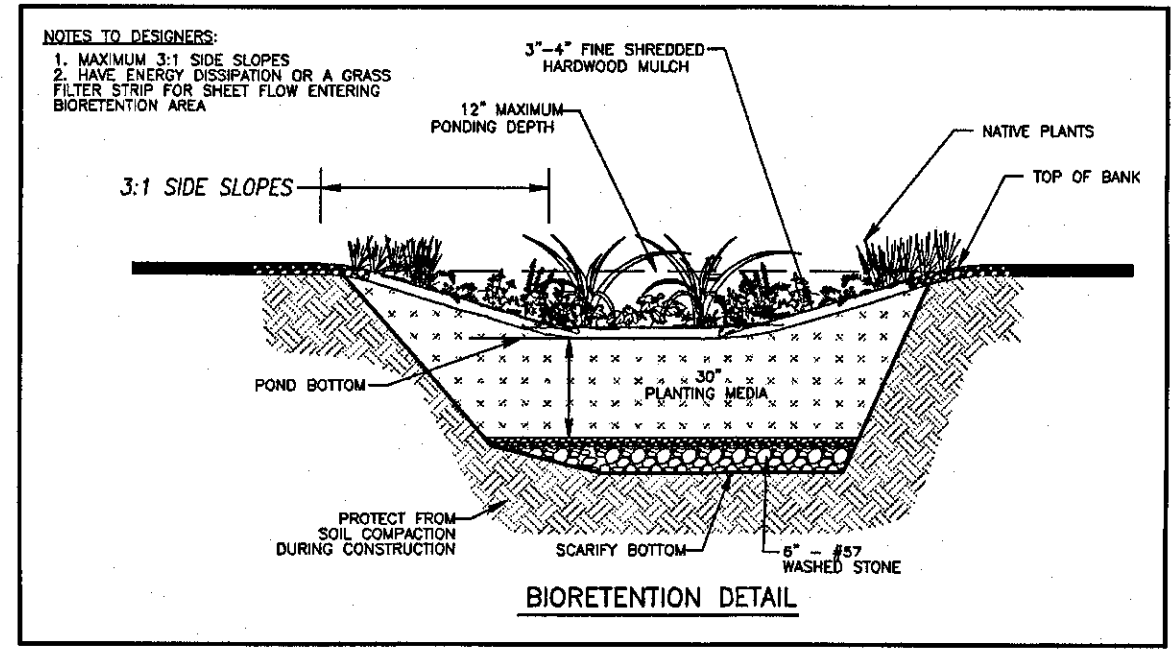
PLANT LEGEND



- NOTES:
- SOIL TESTING REQUIRED FOR ALL BIO-RETENTION AREAS
 - SOIL INFILTRATION RATES MUST ADHERE TO THE FOLLOWING:
 - YIELDS > 0.5 IN./HR. (NO ENGINEERED MEDIA OR UNDERDRAIN REQUIRED)
 - YIELDS < 0.5 IN./HR. (IMPORTED ENGINEERED MEDIA AND/OR UNDERDRAIN REQUIRED)
 - A MINIMUM OF 30" OF PERMEABLE SOIL IS REQUIRED BELOW THE INVERT OF EACH BIO-RETENTION BASIN.
 - IF THE NATIVE SOILS CANNOT SUFFICE FOR THE PLANTING MEDIA USED WITHIN THE BIORETENTION AREA PLANTING BEDS, THEN AN ENGINEERED SOIL MIX SHALL BE PROVIDED THAT MEETS THE FOLLOWING SPECIFICATIONS: TEXTURE: SANDY LOAM OR LOAMY SAND; SAND CONTENT: SOILS SHALL CONTAIN 35%-60% CLEAN, WASHED SAND; TOPSOIL CONTENT: SOILS SHALL CONTAIN 20%-30% TOPSOIL; ORGANIC MATTER CONTENT: SOILS SHALL CONTAIN 10%-25% ORGANIC MATTER; CLAY: SOILS SHALL CONTAIN LESS THAN 15%; INFILTRATION RATE: SOILS SHALL HAVE AN INFILTRATION RATE OF AT LEAST 0.50 INCHES PER HOUR (IN/HR). ALTHOUGH AN INFILTRATION RATE OF BETWEEN 2 AND 4 IN/HR IS PREFERRED; PHOSPHORUS INDEX (P-INDEX): SOILS SHALL HAVE A P-INDEX OF LESS THAN 30; EXCHANGE CAPACITY (CEC): SOILS SHALL HAVE A CEC THAT EXCEEDS 10 MILLIEQUIVALENTS (MEQ) PER 100 GRAMS OF DRY WEIGHT; PH: SOILS SHALL HAVE A PH OF 6-8.
 - TESTING SHALL BE PERFORMED BY A GEOTECHNICAL FIRM WITH A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF GEORGIA AND THE RESULTS SUBMITTED TO THE DESIGN ENGINEER PRIOR TO THE INSTALLATION OF THE BIORETENTION AREA. IF THE INFILTRATION RATE IS LESS THAN 0.5 IN/HR, THE ENGINEER SHALL SPECIFY MATERIAL TO BE INCORPORATED INTO THE SOIL TO ACHIEVE THE REQUIRED INFILTRATION RATE. ADDITIONAL INFILTRATION TESTING AND MATERIAL SHALL BE ADDED TO THE SOIL UNTIL THE INFILTRATION RATE HAS BEEN ACHIEVED. A LETTER FROM THE GEOTECHNICAL FIRM AND DESIGN ENGINEER STATING THE INFILTRATION REQUIREMENTS HAVE BEEN MET SHALL BE SUBMITTED TO THE CITY OF OAKWOOD PRIOR TO THE APPROVAL OF THE FINAL PLAN.

BMP CHART

BMP#	TYPE OF BMP	ON-SITE AREA DRAINING	OFF-SITE AREA DRAINING	STORAGE VOLUME
BMP D	BIO-RETENTION BASIN	2.89 ACRES	0.81 ACRES	5,015 CF



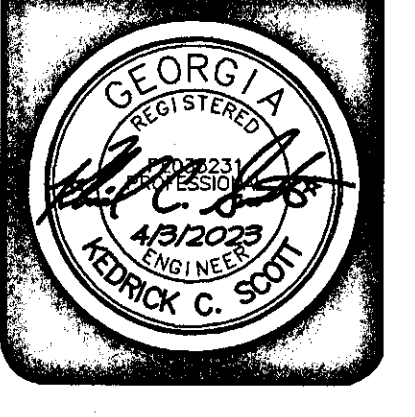
Rochester | **DEEM**
 Rochester and Associates, LLC
 435 Oak St NW, Gainesville, GA 30501
 770.716.0600 P | www.rochester-assoc.com

BIO-RETENTION DETAIL
 FOR : **JOE PARKER SPECIAL EVENTS FACILITY**
 LOCATED IN **HALL COUNTY, GEORGIA**
 3210 JOE PARKER ROAD
 G.M.D. 411

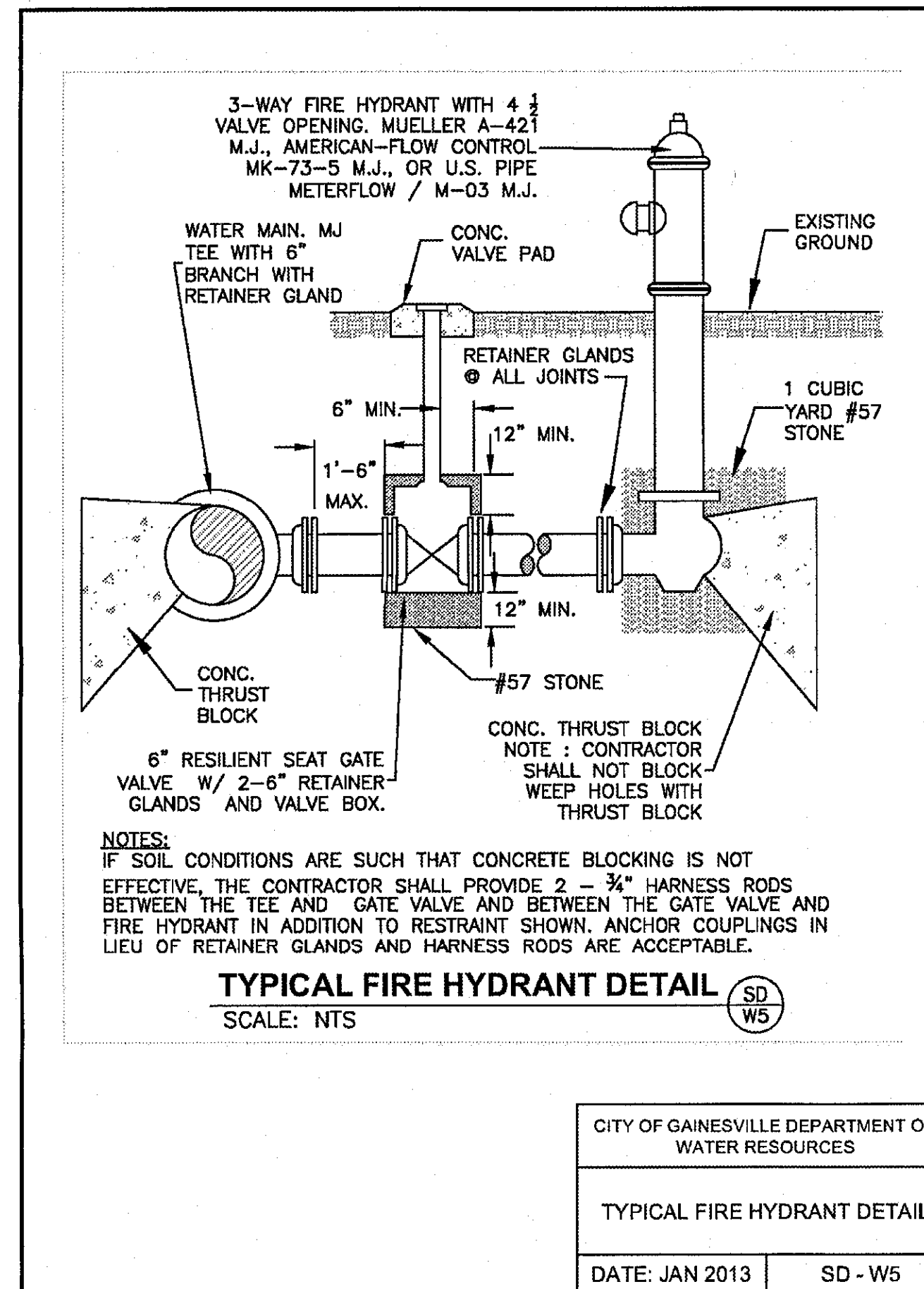
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ANY CHANGES OR ALTERATIONS MADE TO THESE CONSTRUCTION DRAWINGS WITHOUT THE SIGNATURE OF THE DESIGN ENGINEER HEREON AND ANY LIABILITY ASSOCIATED THEREWITH SHALL BE THE RESPONSIBILITY OF THE USER. DRAWINGS ARE KEPT ON FILE FOR VERIFICATION OF ANY CHANGES.

GRAPHIC SCALE
 15' 0' 30' 60'

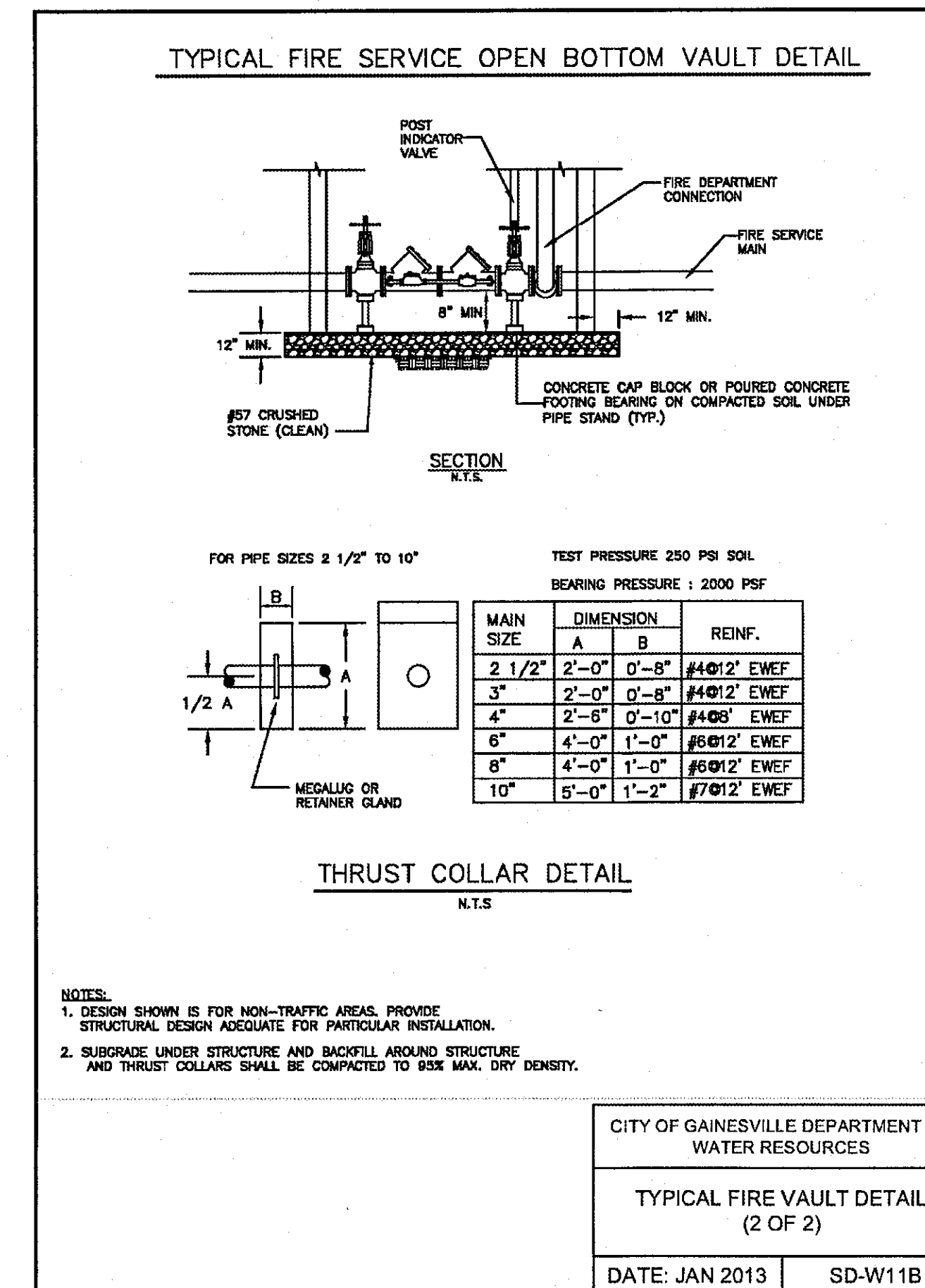
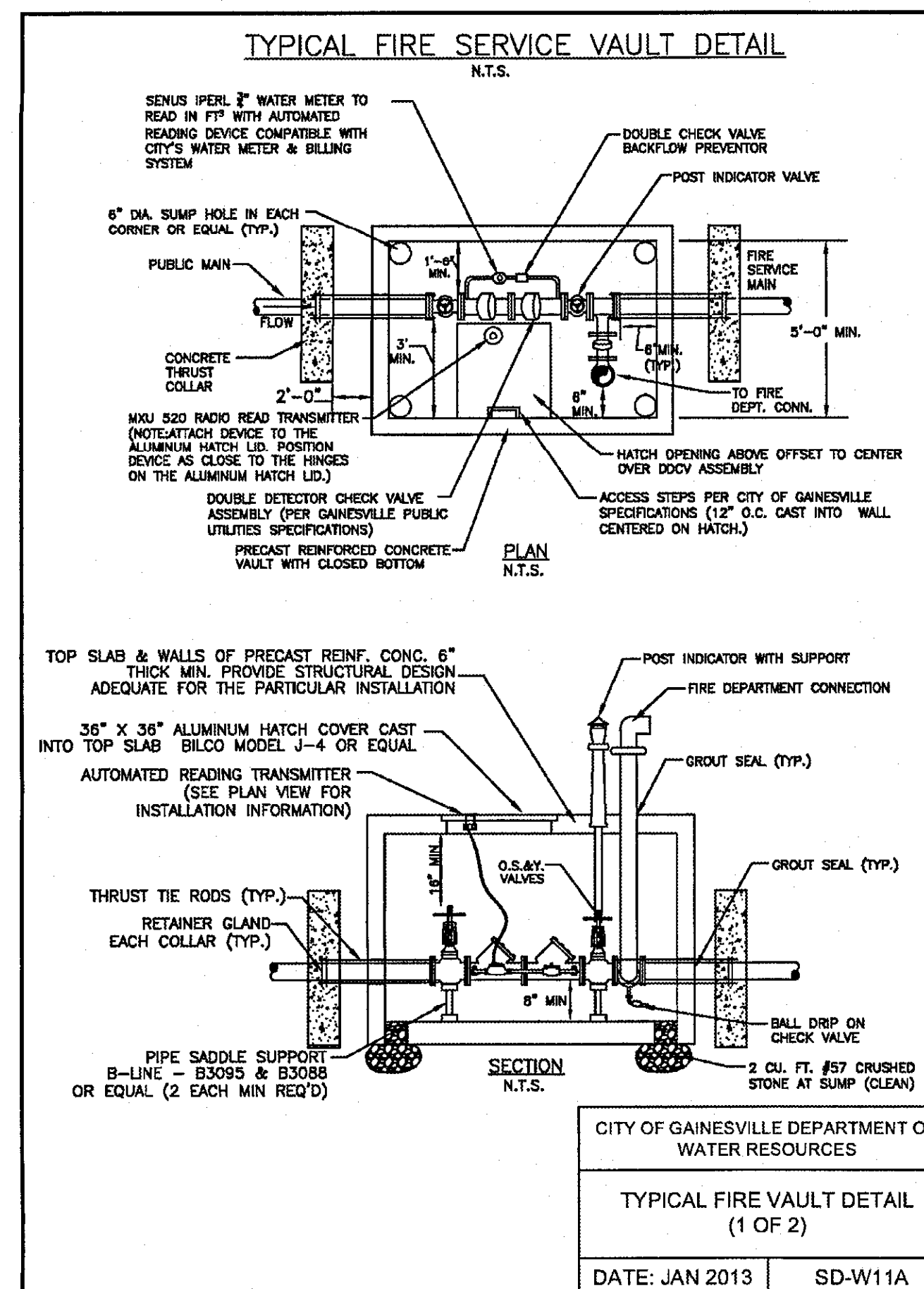


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WATER NOTES:

- NO ADDITIONAL CONSTRUCTION OR IMPROVEMENTS, INCLUDING BUT NOT LIMITED TO WALLS, FENCES, SIGNS, SPRINKLER SYSTEMS, LIGHTS, TREES, ETC. WILL BE ALLOWED ON THE ROAD RIGHT-OF-WAY.
- THE GAINESVILLE PUBLIC UTILITIES DEPARTMENT SHALL BE NOTIFIED 24 HOURS PRIOR TO ANY OR SANITARY SEWER LINE CONSTRUCTION OR REPAIRS. ONLY CONTRACTORS APPROVED BY GAINESVILLE PUBLIC UTILITIES DEPARTMENT WILL BE ALLOWED TO PERFORM CONSTRUCTION OR REPAIRS CONNECTED TO SAID WATER OR SANITARY SEWER MAINS. CALL ENGINEERING INSPECTOR'S AT (770)339-2407 PRIOR TO BEGINNING CONSTRUCTION OR TO BECOME AN APPROVED CONTRACTOR.
- ALL WATER MAIN AND SANITARY SEWER MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE CITY OF GAINESVILLE STANDARDS AND SPECIFICATIONS FOR CONSTRUCTION OF WATER MAINS AND SANITARY SEWERS, LATEST EDITION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING A MARKED-UP SET OF DESIGN DRAWINGS SHOWING ALL "ASBUILT CONDITIONS." THESE "RECORD DRAWINGS" SHALL BE MADE AVAILABLE TO THE DESIGNER AND/OR THE CITY INSPECTOR UPON REQUEST. THE MARK-UPS SHALL BE AT THE SITE AT ALL TIMES AND SHALL BE UTILIZED TO DEVELOP FINAL RECORD DRAWINGS. FINAL ACCEPTANCE OF WATER AND/OR SEWER MAIN CONSTRUCTION WILL NOT BE GRANTED UNTIL ASBUILT DRAWINGS HAVE BEEN RECEIVED BY CITY OF GAINESVILLE PUBLIC UTILITIES ENVIRONMENTAL COMPLIANCE PERMITTING OFFICE.
- CENTERLINE MUST BE SURVEYED AND STAKED FOR GRADING INSPECTION.
- ALL WATER VALVES SHALL BE PLACED OUTSIDE OF PAVEMENT AND FIRE HYDRANTS SHALL BE LOCATED OFF THE BACK OF SHOULDER.
- ANY CHANGES IN THE HORIZONTAL ALIGNMENT SHOWN HEREON SHALL BE APPROVED BY THE CITY OF GAINESVILLE WATER DEPARTMENT AND THE HALL COUNTY ENGINEERING DEPARTMENT PRIOR TO CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL UTILITY LOCATIONS. CONTRACTOR SHOULD NOTIFY THE UTILITIES PROTECTION CENTER, INC. AT (800) 282-7411 THREE WORKING DAYS BEFORE CONSTRUCTION IS TO BEGIN.
- ALL CONSTRUCTION TO MEET CURRENT CITY OF GAINESVILLE STANDARDS AND SPECIFICATIONS.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO SET ALL REQUIRED CONCRETE VALVE MARKERS AS PER THE CITY OF GAINESVILLE.
- FIRE HYDRANTS TO BE PLACED MIN. 6' BEHIND CURB & WATER VALVES OUT OF PAVEMENT.
- ALL DISTURBED AREAS SHALL BE GRASSED IMMEDIATELY UPON COMPLETION OF BACKFILLING TRENCHES.
- MINIMUM COVER OVER WATER AND SEWER LINES SHALL BE 4 FEET. WATER MAINS 12-INCHES AND LARGER SHALL HAVE A MINIMUM OF 5-FEET OF COVER.
- THE TOTAL LENGTH OF WATER MAIN IS 88 LF.



NO.	DATE	DESCRIPTION	REVISIONS

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