DAWSON COUNTY SENIOR CENTER & PAVILION -SITE PACKAGE

201 RECREATION RD DAWSONVILLE, GA 30534

100% CONSTRUCTION DOCUMENTS

		SECTION MARK 'SIM' - SIMILAR 'OH' - OPPOSITE HAND		PLASTER, GYPSUM WALLBOARD
		'OH' - OPPOSITE HAND ENLARGED PLAN /		RIGID INSULATION
	A101	DETAIL MARK		BATT INSULATION
00	1	DOOR REFERENCE NUMBER SEE SHEET A8.1		EARTH
OFFI C12		ROOM NAME & NUMBER		GRANULAR
PT	>	FLOOR FINISH	4 4 4 4	CONCRETE
A		COLUMN AND GRID NUMBER		BRICK
4		WINDOW REFERENCE NUMBER SEE SHEET A8.1		STEEL, IRON
7		SOLID GROUT		WOOD
		WOOD DIMENSIONAL		MORTAR NET
AB	BKE	/IATIONS		
@	AT		HT	HEIGHT
ACT	ACOUS	TICAL TILE	I.B.C.	INSTALLED BY CONTRACTOR
	ACOUS	FINISHED FLOOR		
ACT A.F.F. ALUM. B/	ACOUS ABOVE ALUMIN BOTTO	FINISHED FLOOR IUM M OF	I.B.C. JT. L.L. MAT.	INSTALLED BY CONTRACTOR JOINT LANDLORD MATERIAL
ACT A.F.F. ALUM. B/ BD.	ACOUS ABOVE ALUMIN BOTTO BOARD	FINISHED FLOOR IUM M OF	I.B.C. JT. L.L. MAT. MAX.	INSTALLED BY CONTRACTOR JOINT LANDLORD MATERIAL MAXIMUM
ACT A.F.F. ALUM. B/ BD. BLDG.	ACOUS ABOVE ALUMIN BOTTO BOARD BUILDII	FINISHED FLOOR IUM M OF	I.B.C. JT. L.L. MAT. MAX. MECH.	INSTALLED BY CONTRACTOR JOINT LANDLORD MATERIAL MAXIMUM MECHANICAL
ACT A.F.F. ALUM. B/ BD.	ACOUS ABOVE ALUMIN BOTTO BOARD	FINISHED FLOOR JUM M OF NG	I.B.C. JT. L.L. MAT. MAX.	INSTALLED BY CONTRACTOR JOINT LANDLORD MATERIAL MAXIMUM
ACT A.F.F. ALUM. B/ BD. BLDG. BR BRG CFMF	ACOUS ABOVE ALUMIN BOTTO BOARD BUILDII BRICK BEARIN COLD F	FINISHED FLOOR JUM M OF NG IG FORMED METAL FRAMING	I.B.C. JT. L.L. MAT. MAX. MECH. MIN. MTL. NC.	INSTALLED BY CONTRACTOR JOINT LANDLORD MATERIAL MAXIMUM MECHANICAL MINIMUM METAL NON-COMBUSTIBLE
ACT A.F.F. ALUM. B/ BD. BLDG. BR BRG CFMF C.L.	ACOUS ABOVE ALUMIN BOTTO BOARD BUILDIN BRICK BEARIN COLD F	FINISHED FLOOR JUM M OF NG IG FORMED METAL FRAMING	I.B.C. JT. L.L. MAT. MAX. MECH. MIN. MTL. NC. N.I.C.	INSTALLED BY CONTRACTOR JOINT LANDLORD MATERIAL MAXIMUM MECHANICAL MINIMUM METAL NON-COMBUSTIBLE NOT IN CONTRACT
ACT A.F.F. ALUM. B/ BD. BLDG. BR BRG CFMF C.L. CLR	ACOUS ABOVE ALUMIN BOTTO BOARD BUILDII BRICK BEARIN COLD F CENTE CLEAR	FINISHED FLOOR JUM M OF NG IG FORMED METAL FRAMING R LINE	I.B.C. JT. L.L. MAT. MAX. MECH. MIN. MTL. NC. N.I.C.	INSTALLED BY CONTRACTOR JOINT LANDLORD MATERIAL MAXIMUM MECHANICAL MINIMUM METAL NON-COMBUSTIBLE NOT IN CONTRACT NOT TO EXCEED
ACT A.F.F. ALUM. B/ BD. BLDG. BR BRG CFMF C.L. CLR C.J.	ACOUS ABOVE ALUMIN BOTTO BOARD BUILDII BRICK BEARIN COLD F CENTE CLEAR CONTR	FINISHED FLOOR JUM M OF NG NG GORMED METAL FRAMING R LINE OL JOINT	I.B.C. JT. L.L. MAT. MAX. MECH. MIN. MTL. NC. N.I.C. N.T.E. N.T.S.	INSTALLED BY CONTRACTOR JOINT LANDLORD MATERIAL MAXIMUM MECHANICAL MINIMUM METAL NON-COMBUSTIBLE NOT IN CONTRACT NOT TO EXCEED NOT TO SCALE
ACT A.F.F. ALUM. B/ BD. BLDG. BR BRG CFMF C.L. CLR	ACOUS ABOVE ALUMIN BOTTO BOARD BUILDII BRICK BEARIN COLD F CENTE CLEAR CONTR	FINISHED FLOOR JUM M OF NG NG GORMED METAL FRAMING R LINE OL JOINT EETE MASONRY UNIT	I.B.C. JT. L.L. MAT. MAX. MECH. MIN. MTL. NC. N.I.C.	INSTALLED BY CONTRACTOR JOINT LANDLORD MATERIAL MAXIMUM MECHANICAL MINIMUM METAL NON-COMBUSTIBLE NOT IN CONTRACT NOT TO EXCEED
ACT A.F.F. ALUM. B/ BD. BLDG. BR BRG CFMF C.L. CLR C.J. C.M.U. COORD. COL	ACOUS ABOVE ALUMIN BOTTO BOARD BUILDII BRICK BEARIN COLD F CENTE CLEAR CONTR CONCR COORD	FINISHED FLOOR JUM M OF NG NG ORMED METAL FRAMING R LINE OL JOINT EETE MASONRY UNIT DINATE	I.B.C. JT. L.L. MAT. MAX. MECH. MIN. MTL. NC. N.I.C. N.T.E. N.T.S. O.D. OPP. PL.	INSTALLED BY CONTRACTOR JOINT LANDLORD MATERIAL MAXIMUM MECHANICAL MINIMUM METAL NON-COMBUSTIBLE NOT IN CONTRACT NOT TO EXCEED NOT TO SCALE OVERFLOW DRAIN OPPOSITE PLASTIC LAMINATE
ACT A.F.F. ALUM. B/ BD. BLDG. BR BRG CFMF C.L. CLR C.J. C.M.U. COORD. COL CONC.	ACOUS ABOVE ALUMIN BOTTO BOARD BUILDIN BRICK BEARIN COLD F CENTE CLEAR CONTR CONCR COORD COLUM	FINISHED FLOOR JUM M OF NG NG GORMED METAL FRAMING R LINE OL JOINT JETE MASONRY UNIT DINATE N JETE	I.B.C. JT. L.L. MAT. MAX. MECH. MIN. MTL. NC. N.I.C. N.T.E. N.T.S. O.D. OPP. PL. PLYWD.	INSTALLED BY CONTRACTOR JOINT LANDLORD MATERIAL MAXIMUM MECHANICAL MINIMUM METAL NON-COMBUSTIBLE NOT IN CONTRACT NOT TO EXCEED NOT TO SCALE OVERFLOW DRAIN OPPOSITE PLASTIC LAMINATE PLYWOOD
ACT A.F.F. ALUM. B/ BD. BLDG. BR BRG CFMF C.L. CLR C.J. C.M.U. COORD. COL	ACOUS ABOVE ALUMIN BOTTO BOARD BUILDII BRICK BEARIN COLD F CENTE CLEAR CONTR CONCR COORE COLUM CONCR CONCR	FINISHED FLOOR JUM M OF NG NG ORMED METAL FRAMING R LINE OL JOINT EETE MASONRY UNIT DINATE N EETE	I.B.C. JT. L.L. MAT. MAX. MECH. MIN. MTL. NC. N.I.C. N.T.E. N.T.S. O.D. OPP. PL.	INSTALLED BY CONTRACTOR JOINT LANDLORD MATERIAL MAXIMUM MECHANICAL MINIMUM METAL NON-COMBUSTIBLE NOT IN CONTRACT NOT TO EXCEED NOT TO SCALE OVERFLOW DRAIN OPPOSITE PLASTIC LAMINATE
ACT A.F.F. ALUM. B/ BD. BLDG. BR BRG CFMF C.L. CLR C.J. C.M.U. COORD. COL CONC.	ACOUS ABOVE ALUMIN BOTTO BOARD BUILDIN BRICK BEARIN COLD F CENTE CLEAR CONTR CONCR COORD COLUM	FINISHED FLOOR JUM M OF NG NG ORMED METAL FRAMING R LINE OL JOINT EETE MASONRY UNIT DINATE N EETE NUOUS	I.B.C. JT. L.L. MAT. MAX. MECH. MIN. MTL. NC. N.I.C. N.T.E. N.T.S. O.D. OPP. PL. PLYWD. PR.	INSTALLED BY CONTRACTOR JOINT LANDLORD MATERIAL MAXIMUM MECHANICAL MINIMUM METAL NON-COMBUSTIBLE NOT IN CONTRACT NOT TO EXCEED NOT TO SCALE OVERFLOW DRAIN OPPOSITE PLASTIC LAMINATE PLYWOOD PAIR
ACT A.F.F. ALUM. B/ BD. BLDG. BR BRG CFMF C.L. CLR C.J. C.M.U. COORD. COL CONC. CONT. ~ DWG. D.S.	ACOUS ABOVE ALUMIN BOTTO BOARD BUILDII BRICK BEARIN COLD F CENTE CLEAR CONCR CONCR CONCR CONCR CONCR CONCR CONCR CONCR DIAMET DRAWII DOWN	FINISHED FLOOR JUM M OF NG NG GORMED METAL FRAMING R LINE OL JOINT JETE MASONRY UNIT DINATE N JETE MOUS JETE NOUS JETE NOUS	I.B.C. JT. L.L. MAT. MAX. MECH. MIN. MTL. NC. N.I.C. N.T.E. N.T.S. O.D. OPP. PL. PLYWD. PR. P.T. O.C. R.D.	INSTALLED BY CONTRACTOR JOINT LANDLORD MATERIAL MAXIMUM MECHANICAL MINIMUM METAL NON-COMBUSTIBLE NOT IN CONTRACT NOT TO EXCEED NOT TO SCALE OVERFLOW DRAIN OPPOSITE PLASTIC LAMINATE PLYWOOD PAIR PRESSURE TREATED ON CENTER ROOF DRAIN
ACT A.F.F. ALUM. B/ BD. BLDG. BR BRG CFMF C.L. CLR C.J. COORD. COORD. COL CONC. CONT. DWG. D.S. EA.	ACOUS ABOVE ALUMIN BOTTO BOARD BUILDII BRICK BEARIN COLD F CENTE CLEAR CONTR CONCR CONCR CONCR CONTR DIAME DRAWII DOWN EACH	FINISHED FLOOR JUM M OF NG NG NG ORMED METAL FRAMING R LINE OL JOINT EETE MASONRY UNIT DINATE N EETE NUOUS FER NG SPOUT	I.B.C. JT. L.L. MAT. MAX. MECH. MIN. MTL. NC. N.I.C. N.T.E. N.T.S. O.D. OPP. PL. PLYWD. PR. P.T. O.C. R.D. S.B.O.	INSTALLED BY CONTRACTOR JOINT LANDLORD MATERIAL MAXIMUM MECHANICAL MINIMUM METAL NON-COMBUSTIBLE NOT IN CONTRACT NOT TO EXCEED NOT TO SCALE OVERFLOW DRAIN OPPOSITE PLASTIC LAMINATE PLYWOOD PAIR PRESSURE TREATED ON CENTER ROOF DRAIN SUPPLIED BY OWNER
ACT A.F.F. ALUM. B/ BD. BLDG. BR BRG CFMF C.L. CLR C.J. C.M.U. COORD. COL CONC. CONT. ~ DWG. D.S. EA. ELEV.	ACOUS ABOVE ALUMIN BOTTO BOARD BUILDII BRICK BEARIN COLD F CENTE CLEAR CONTR CONCR CONCR COLUM CONCR CONTIN DIAMET DRAWII DOWN EACH ELEVAT	FINISHED FLOOR JUM M OF NG NG IG FORMED METAL FRAMING R LINE OL JOINT EETE MASONRY UNIT DINATE N EETE NUOUS FER NG SPOUT	I.B.C. JT. L.L. MAT. MAX. MECH. MIN. MTL. NC. N.I.C. N.T.E. N.T.S. O.D. OPP. PL. PLYWD. PR. P.T. O.C. R.D. S.B.O. SCHED.	INSTALLED BY CONTRACTOR JOINT LANDLORD MATERIAL MAXIMUM MECHANICAL MINIMUM METAL NON-COMBUSTIBLE NOT IN CONTRACT NOT TO EXCEED NOT TO SCALE OVERFLOW DRAIN OPPOSITE PLASTIC LAMINATE PLYWOOD PAIR PRESSURE TREATED ON CENTER ROOF DRAIN SUPPLIED BY OWNER SCHEDULE
ACT A.F.F. ALUM. B/ BD. BLDG. BR BRG CFMF C.L. CLR C.J. COORD. COORD. COL CONC. CONT. DWG. D.S. EA.	ACOUS ABOVE ALUMIN BOTTO BOARD BUILDII BRICK BEARIN COLD F CENTE CLEAR CONCR CONCR CONCR CONCR CONCR CONTIN DIAMET DRAWII DOWN EACH ELECTE	FINISHED FLOOR JUM M OF NG NG IG FORMED METAL FRAMING R LINE OL JOINT EETE MASONRY UNIT DINATE N EETE NUOUS FER NG SPOUT	I.B.C. JT. L.L. MAT. MAX. MECH. MIN. MTL. NC. N.I.C. N.T.E. N.T.S. O.D. OPP. PL. PLYWD. PR. P.T. O.C. R.D. S.B.O.	INSTALLED BY CONTRACTOR JOINT LANDLORD MATERIAL MAXIMUM MECHANICAL MINIMUM METAL NON-COMBUSTIBLE NOT IN CONTRACT NOT TO EXCEED NOT TO SCALE OVERFLOW DRAIN OPPOSITE PLASTIC LAMINATE PLYWOOD PAIR PRESSURE TREATED ON CENTER ROOF DRAIN SUPPLIED BY OWNER
ACT A.F.F. ALUM. B/ BD. BLDG. BR BRG CFMF C.L. CLR C.J. C.M.U. COORD. COL CONC. CONT. DWG. D.S. EA. ELEV. ELEC. E.S. EXP.	ACOUS ABOVE ALUMIN BOTTO BOARD BUILDII BRICK BEARIN COLD F CENTE CLEAR CONTR CONCR CONCR COLUM CONCR CONTIN DIAMET DRAWII DOWN EACH ELECTF EQUIPM EXPAN	FINISHED FLOOR JUM M OF NG NG NG SORMED METAL FRAMING R LINE OL JOINT SETE MASONRY UNIT DINATE N SETE NUOUS FER NG SPOUT FION RIC MENT SUPPLIER SION	I.B.C. JT. L.L. MAT. MAX. MECH. MIN. MTL. NC. N.I.C. N.T.E. N.T.S. O.D. OPP. PL. PLYWD. PR. P.T. O.C. R.D. S.B.O. SCHED. SIM. STL. STRUCT.	INSTALLED BY CONTRACTOR JOINT LANDLORD MATERIAL MAXIMUM MECHANICAL MINIMUM METAL NON-COMBUSTIBLE NOT IN CONTRACT NOT TO EXCEED NOT TO SCALE OVERFLOW DRAIN OPPOSITE PLASTIC LAMINATE PLYWOOD PAIR PRESSURE TREATED ON CENTER ROOF DRAIN SUPPLIED BY OWNER SCHEDULE SIMILAR STEEL STRUCTURAL
ACT A.F.F. ALUM. B/ BD. BLDG. BR BRG CFMF C.L. CLR C.J. C.M.U. COORD. COL CONC. CONT. ~ DWG. D.S. EA. ELEV. ELEC. E.S. EXP. EXT.	ACOUS ABOVE ALUMIN BOTTO BOARD BUILDII BRICK BEARIN COLD F CENTE CLEAR CONTR CONCR COUM CONCR CONTIN DIAME DRAWII DOWN EACH ELEVA ELECTI EQUIPM EXPAN EXTER	FINISHED FLOOR JUM M OF NG NG NG SORMED METAL FRAMING R LINE OL JOINT SETE MASONRY UNIT DINATE N SETE NUOUS FER NG SPOUT FION RIC MENT SUPPLIER SION OR	I.B.C. JT. L.L. MAT. MAX. MECH. MIN. MTL. NC. N.I.C. N.T.E. N.T.S. O.D. OPP. PL. PLYWD. PR. P.T. O.C. R.D. S.B.O. SCHED. SIM. STRUCT. T/	INSTALLED BY CONTRACTOR JOINT LANDLORD MATERIAL MAXIMUM MECHANICAL MINIMUM METAL NON-COMBUSTIBLE NOT IN CONTRACT NOT TO EXCEED NOT TO SCALE OVERFLOW DRAIN OPPOSITE PLASTIC LAMINATE PLYWOOD PAIR PRESSURE TREATED ON CENTER ROOF DRAIN SUPPLIED BY OWNER SCHEDULE SIMILAR STEEL STRUCTURAL TOP OF
ACT A.F.F. ALUM. B/ BD. BLDG. BR BRG CFMF C.L. CLR C.J. C.M.U. COORD. CONC. CONT. ~ DWG. D.S. EA. ELEV. ELEC. E.S. EXP. EXT. E.W.C.	ACOUS ABOVE ALUMIN BOTTO BOARD BUILDII BRICK BEARIN COLD F CENTE CLEAR CONCR CONCR CONCR CONCR CONTIN DIAME* DRAWII DOWN EACH ELECTF EQUIPN EXPAN EXTERI ELECTF	FINISHED FLOOR JUM M OF NG NG NG ORMED METAL FRAMING R LINE OL JOINT SETE MASONRY UNIT DINATE N SETE NOUS FER NG SPOUT FION RIC MENT SUPPLIER SION OR RIC WATER COOLER	I.B.C. JT. L.L. MAT. MAX. MECH. MIN. MTL. NC. N.I.C. N.T.E. N.T.S. O.D. OPP. PL. PLYWD. PR. P.T. O.C. R.D. S.B.O. SCHED. SIM. STL. STRUCT. T/ T&G	INSTALLED BY CONTRACTOR JOINT LANDLORD MATERIAL MAXIMUM MECHANICAL MINIMUM METAL NON-COMBUSTIBLE NOT IN CONTRACT NOT TO EXCEED NOT TO SCALE OVERFLOW DRAIN OPPOSITE PLASTIC LAMINATE PLYWOOD PAIR PRESSURE TREATED ON CENTER ROOF DRAIN SUPPLIED BY OWNER SCHEDULE SIMILAR STEEL STRUCTURAL TOP OF TONGUE AND GROOVE
ACT A.F.F. ALUM. B/ BD. BLDG. BR BRG CFMF C.L. CLR C.J. C.M.U. COORD. COL CONC. CONT. CONT. DWG. D.S. EA. ELEV. ELEC. E.S. EXP. EXT.	ACOUS ABOVE ALUMIN BOTTO BOARD BUILDII BRICK BEARIN COLD F CENTE CLEAR CONCR CONCR CONCR CONTIN DIAME DRAWII DOWN EACH ELECTF EQUIPM EXTERI ELECTF FLOOR	FINISHED FLOOR JUM M OF NG NG NG ORMED METAL FRAMING R LINE OL JOINT SETE MASONRY UNIT DINATE N SETE NOUS FER NG SPOUT FION RIC MENT SUPPLIER SION OR RIC WATER COOLER	I.B.C. JT. L.L. MAT. MAX. MECH. MIN. MTL. NC. N.I.C. N.T.E. N.T.S. O.D. OPP. PL. PLYWD. PR. P.T. O.C. R.D. S.B.O. SCHED. SIM. STRUCT. T/	INSTALLED BY CONTRACTOR JOINT LANDLORD MATERIAL MAXIMUM MECHANICAL MINIMUM METAL NON-COMBUSTIBLE NOT IN CONTRACT NOT TO EXCEED NOT TO SCALE OVERFLOW DRAIN OPPOSITE PLASTIC LAMINATE PLYWOOD PAIR PRESSURE TREATED ON CENTER ROOF DRAIN SUPPLIED BY OWNER SCHEDULE SIMILAR STEEL STRUCTURAL TOP OF
ACT A.F.F. ALUM. B/ BD. BLDG. BR BRG CFMF C.L. CLR C.J. CONC. CONT. CONT. DWG. D.S. EA. ELEV. ELEC. E.S. EXP. EXT. E.W.C. F.D.	ACOUS ABOVE ALUMIN BOTTO BOARD BUILDII BRICK BEARIN COLD F CENTE CLEAR CONTR CONCR COUM CONCR CONTIN DIAME DRAWII DOWN EACH ELECTF EQUIPM EXPAN EXTERI FLOOR FIRE EX	FINISHED FLOOR JUM M OF NG NG NG ORMED METAL FRAMING R LINE OL JOINT SETE MASONRY UNIT DINATE N SETE NO SETE NO SETE NG SPOUT FION RIC MENT SUPPLIER SION OR RIC WATER COOLER DRAIN	I.B.C. JT. L.L. MAT. MAX. MECH. MIN. MTL. NC. N.I.C. N.T.E. N.T.S. O.D. OPP. PL. PLYWD. PR. P.T. O.C. R.D. S.B.O. SCHED. SIM. STL. STRUCT. T/ T&G TYP.	INSTALLED BY CONTRACTOR JOINT LANDLORD MATERIAL MAXIMUM MECHANICAL MINIMUM METAL NON-COMBUSTIBLE NOT IN CONTRACT NOT TO EXCEED NOT TO SCALE OVERFLOW DRAIN OPPOSITE PLASTIC LAMINATE PLYWOOD PAIR PRESSURE TREATED ON CENTER ROOF DRAIN SUPPLIED BY OWNER SCHEDULE SIMILAR STEEL STRUCTURAL TOP OF TONGUE AND GROOVE TYPICAL
ACT A.F.F. ALUM. B/ BD. BLDG. BR BRG CFMF C.L. CLR C.J. C.M.U. COORD. CONC. CONT. ~ DWG. D.S. EA. ELEV. ELEC. E.S. EXP. EXT. E.W.C. F.D. FEC F.F. FL.	ACOUS ABOVE ALUMIN BOTTO BOARD BUILDII BRICK BEARIN COLD F CENTE CLEAR CONTR CONCR CONCR CONTIN DIAME DRAWII DOWN EACH ELECTF EQUIPN EXPAN EXTER ELECTF FLOOR FIRE EX	FINISHED FLOOR JUM M OF NG NG NG ORMED METAL FRAMING R LINE OL JOINT SETE MASONRY UNIT DINATE N SETE NO SPOUT FION RIC MENT SUPPLIER SION OR RIC WATER COOLER DRAIN CTINGUISHER CABINET FLOOR	I.B.C. JT. L.L. MAT. MAX. MECH. MIN. MTL. NC. N.I.C. N.T.E. N.T.S. O.D. OPP. PL. PLYWD. PR. P.T. O.C. R.D. S.B.O. SCHED. SIM. STL. STRUCT. T/ T&G TYP. UNO VERT. VWC	INSTALLED BY CONTRACTOR JOINT LANDLORD MATERIAL MAXIMUM MECHANICAL MINIMUM METAL NON-COMBUSTIBLE NOT IN CONTRACT NOT TO EXCEED NOT TO SCALE OVERFLOW DRAIN OPPOSITE PLASTIC LAMINATE PLYWOOD PAIR PRESSURE TREATED ON CENTER ROOF DRAIN SUPPLIED BY OWNER SCHEDULE SIMILAR STEEL STRUCTURAL TOP OF TONGUE AND GROOVE TYPICAL UNLESS NOTED OTHERWISE VERTICAL VINYL WALL COVERING
ACT A.F.F. ALUM. B/ BD. BLDG. BR BRG CFMF C.L. CLR C.J. C.M.U. COORD. CONC. CONT. PWG. D.S. EA. ELEV. ELEC. E.S. EXP. EXT. E.W.C. F.D. FEC F.F. FL. F.O.	ACOUS ABOVE ALUMIN BOTTO BOARD BUILDII BRICK BEARIN COLD F CENTE CLEAR CONTR CONCR CONCR CONTIN DIAME DRAWII DOWN EACH ELECTF EQUIPM EXPAN EXTERI ELECTF FLOOR FIRE EX	FINISHED FLOOR JUM M OF ONG JOH	I.B.C. JT. L.L. MAT. MAX. MECH. MIN. MTL. NC. N.I.C. N.T.E. N.T.S. O.D. OPP. PL. PLYWD. PR. P.T. O.C. R.D. S.B.O. SCHED. SIM. STL. STRUCT. T/ T&G TYP. UNO VERT. VWC W	INSTALLED BY CONTRACTOR JOINT LANDLORD MATERIAL MAXIMUM MECHANICAL MINIMUM METAL NON-COMBUSTIBLE NOT IN CONTRACT NOT TO EXCEED NOT TO SCALE OVERFLOW DRAIN OPPOSITE PLASTIC LAMINATE PLYWOOD PAIR PRESSURE TREATED ON CENTER ROOF DRAIN SUPPLIED BY OWNER SCHEDULE SIMILAR STEEL STRUCTURAL TOP OF TONGUE AND GROOVE TYPICAL UNLESS NOTED OTHERWISE VERTICAL VINYL WALL COVERING WIDE
ACT A.F.F. ALUM. B/ BD. BLDG. BR BRG CFMF C.L. CLR C.J. C.M.U. COORD. CONC. CONT. ~ DWG. D.S. EA. ELEV. ELEC. E.S. EXP. EXT. E.W.C. F.D. FEC F.F. FL. F.O. F.O.F.	ACOUS ABOVE ALUMIN BOTTO BOARD BUILDII BRICK BEARIN COLD F CENTE CLEAR CONTR CONCR CONCR COLUM CONCR CONTIN DIAME* DRAWII DOWN EACH ELEVA* ELECTI EQUIPN EXPAN EXTER ELECTI FLOOR FIRE EX FINISH FLOOR FACE C	FINISHED FLOOR JUM M OF NG	I.B.C. JT. L.L. MAT. MAX. MECH. MIN. MTL. NC. N.I.C. N.T.E. N.T.S. O.D. OPP. PL. PLYWD. PR. P.T. O.C. R.D. S.B.O. SCHED. SIM. STL. STRUCT. T/ T&G TYP. UNO VERT. VWC W	INSTALLED BY CONTRACTOR JOINT LANDLORD MATERIAL MAXIMUM MECHANICAL MINIMUM METAL NON-COMBUSTIBLE NOT IN CONTRACT NOT TO EXCEED NOT TO SCALE OVERFLOW DRAIN OPPOSITE PLASTIC LAMINATE PLYWOOD PAIR PRESSURE TREATED ON CENTER ROOF DRAIN SUPPLIED BY OWNER SCHEDULE SIMILAR STEEL STRUCTURAL TOP OF TONGUE AND GROOVE TYPICAL UNLESS NOTED OTHERWISE VERTICAL VINYL WALL COVERING WIDE
ACT A.F.F. ALUM. B/ BD. BLDG. BR BRG CFMF C.L. CLR C.J. C.M.U. COORD. CONC. CONT. DWG. D.S. EA. ELEV. ELEC. E.S. EXP. EXT. E.W.C. F.D. FEC F.F. FL. F.O.	ACOUS ABOVE ALUMIN BOTTO BOARD BUILDII BRICK BEARIN COLD F CENTE CLEAR CONTR CONCR CONCR COLUM CONCR CONTIN DIAME DRAWII DOWN EACH ELECTF EQUIPN EXPAN EXTER ELECTF FLOOR FIRE EX FINISH FLOOR FACE C FACE C	FINISHED FLOOR JUM M OF NG NG ORMED METAL FRAMING R LINE OL JOINT JETE MASONRY UNIT DINATE N JETE NUOUS JEER NG SPOUT JION RIC MENT SUPPLIER SION OR RIC WATER COOLER DRAIN KTINGUISHER CABINET FLOOR OF JETE OF FINISH OF MASONRY	I.B.C. JT. L.L. MAT. MAX. MECH. MIN. MTL. NC. N.I.C. N.T.E. N.T.S. O.D. OPP. PL. PLYWD. PR. P.T. O.C. R.D. S.B.O. SCHED. SIM. STL. STRUCT. T/ T&G TYP. UNO VERT. VWC W	INSTALLED BY CONTRACTOR JOINT LANDLORD MATERIAL MAXIMUM MECHANICAL MINIMUM METAL NON-COMBUSTIBLE NOT IN CONTRACT NOT TO EXCEED NOT TO SCALE OVERFLOW DRAIN OPPOSITE PLASTIC LAMINATE PLYWOOD PAIR PRESSURE TREATED ON CENTER ROOF DRAIN SUPPLIED BY OWNER SCHEDULE SIMILAR STEEL STRUCTURAL TOP OF TONGUE AND GROOVE TYPICAL UNLESS NOTED OTHERWISE VERTICAL VINYL WALL COVERING WIDE
ACT A.F.F. ALUM. B/ BD. BLDG. BR BRG CFMF C.L. CLR C.J. C.M.U. COORD. CONC. CONT. ~ DWG. D.S. EA. ELEV. ELEC. E.S. EXP. EXT. E.W.C. F.D. FEC F.F. FL. F.O. F.O.F. F.O.M.	ACOUS ABOVE ALUMIN BOTTO BOARD BUILDII BRICK BEARIN COLD F CENTE CLEAR CONTR CONCR CONCR CONTR DIAME DRAWII DOWN EACH ELECTF EQUIPM EXPAN EXTERI ELECTF FLOOR FIRE EX FINISH FLOOR FACE C FACE C FURNIS	FINISHED FLOOR JUM M OF NG	I.B.C. JT. L.L. MAT. MAX. MECH. MIN. MTL. NC. N.I.C. N.T.E. N.T.S. O.D. OPP. PL. PLYWD. PR. P.T. O.C. R.D. S.B.O. SCHED. SIM. STL. STRUCT. T/ T&G TYP. UNO VERT. VWC W W/ WD.	INSTALLED BY CONTRACTOR JOINT LANDLORD MATERIAL MAXIMUM MECHANICAL MINIMUM METAL NON-COMBUSTIBLE NOT IN CONTRACT NOT TO EXCEED NOT TO SCALE OVERFLOW DRAIN OPPOSITE PLASTIC LAMINATE PLYWOOD PAIR PRESSURE TREATED ON CENTER ROOF DRAIN SUPPLIED BY OWNER SCHEDULE SIMILAR STEEL STRUCTURAL TOP OF TONGUE AND GROOVE TYPICAL UNLESS NOTED OTHERWISE VERTICAL VINYL WALL COVERING WIDE
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SYMBOLS

ELEVATION MARK

SHEATHING

	SHEET LIST - SITE PACKAGE		
	0.121.2.6. 0.121.7.0.0.0		
SHEET NUME	SER Sheet Name	2019-02-19 CONSTRUCTION DOCUMENTS 100%	2019-03-08 GRANT REVIEW DOCUMENTS
.G1-0	COVER SHEET	Х	Х
.G-1	CIVIL COVER SHEET	Х	Х
.G-2	CONSTRUCTION RESPONSIBILITY PLAN	Х	Х
.G-3	PARTIAL TOPOGRAPHIC SURVEY	Х	Х
.G-4	SENIOR CENTER SEPTIC DESIGN COVER SHEET	Χ	Х
.G-5	SITE PLAN AND LEVEL 3 SOIL SURVEY	Χ	Х
.G-6	SEPTIC SYSTEM LAYOUT	Χ	Х
.G-7	SEPTIC DESIGN AND COMPONENTS DETAIL	Χ	Х
.G-8	PAVILION SEPTIC DESIGN COVER SHEET	Χ	Х
.Н	SITE PLAN AND LEVEL 3 SOIL SURVEY	Х	Х
.I	SEPTIC SYSTEM LAYOUT	Х	X
.J	SEPTIC DESIGN AND COMPONENTS DETAIL	X	X
C-0	DEMOLITION PLAN	X	X
C-1	SITE & PAVING PLAN	X	X
C-1.1	ACCESSIBILITY PLAN AND DETAILS	X	Х
C-2	GRADING AND DRAINAGE PLAN	X	Х
C-2.1	STORM DRAINAGE PROFILES	X	Х
C-2.2	STORM DRAINAGE DETAILS	X	X
C-3	UTILITIES PLAN	X	X
C-3.1	SANITARY SEWER PROFILES	X	X
C-4	EROSION, SEDIMENTATION, & POLLUTION CONTROL COVER	X	X
C-4.1	EROSION, SEDIMENTATION, & POLLUTION CONTROL NOTES	X	X
C-4.2	EROSION, SEDIMENTATION, & POLLUTION CONTROL NOTES	X	X
C-4.3	INITIAL EROSION, SEDIMENTATION, & POLLUTION CONTROL PLAN	X	X
C-4.4	INTERMEDIATE EROSION, SEDIMENTATION, & POLLUTION CONTROL PLAN	X	X
C-4.5	FINAL EROSION, SEDIMENTATION, & POLLUTION CONTROL PLAN	X	X
C-4.6	EROSION, SEDIMENTATION, & POLLUTION CONTROL DETAILS	X	X
C-4.7	EROSION, SEDIMENTATION, & POLLUTION CONTROL DETAILS	X	X
C-4.8	EROSION, SEDIMENTATION, & POLLUTION CONTROL DETAILS	X	X
C-5	CONSTRUCTION DETAILS	X	X
C-5.1	CONSTRUCTION DETAILS UTILITY DETAILS	X	X
C 6		X	. X
C-6			
C-6 C-6.1 L-1	UTILITY DETAILS LANDSCAPE PLAN	X	X

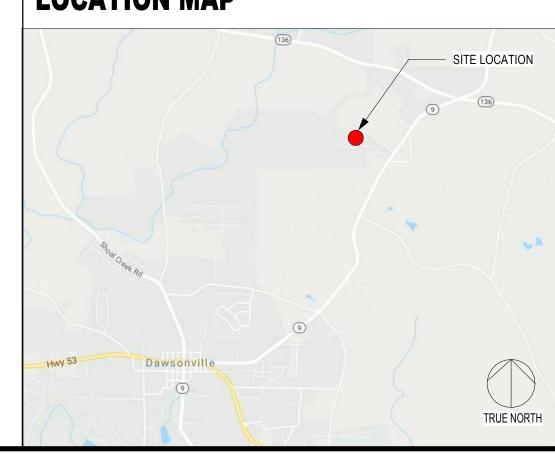
	OWNER: DAWSON COUNTY BOARD OF	COMMISSION	ERS
	25 JUSTICE WAY, SUITE 2223 DAWSONVILLE, GA 30534	PHONE: CONTACT: EMAIL:	706.344.3500 ext. 42223 MELISSA HAWK mhawk@dawsoncounty.org
	CIVIL ENGINEER: FORESITE GROUP, INC.		
	3740 DAVINCI CT SUITE 100 PEACHTREE CORNERS, GA 30092	PHONE: CONTACT: EMAIL:	770.368.1399 JACK JOHNSON jjohnson@fg-inc.net
	ARCHITECT: WAKEFIELD BEASLEY & ASSO	OCIATES, INC.	
	5200 AVALON BOULEVARD ALPHARETTA, GEORGIA 30009	PHONE: CONTACT: EMAIL:	770.209.9393 CHRISTIAN SPRINGFIELD cspringfield@wbassociates.co
GI	ENERAL NOTES		
1	DO NOT SCALE DRAWINGS - USE NOT SHOWN OR IN QUESTION, C CLARIFICATION FROM ARCHITEC	ONTRACTOR S	SHALL REQUEST
2	UNLESS OTHERWISE NOTED, INT FROM FACE OF METAL STUD FR FRAMING/CMU, OR FROM FACE O CENTERLINE. EXCEPTION: MILLY FROM FACE OF FINISH SURFACE	AMING/CMU TO OF METAL STUI VORK DETAILS) FACE OF METAL STUD D FRAMING/CMU TO COLU WHERE DIMENSIONS AR
3	ELEVATIONS AND LEVELS ARE S (F.F.E. 0'-0" = 993.30') TARGET EL BENCHMARK ELEVATION" -COOF HEIGHT WITH CIVIL AND STRUCT	HOWN FROM F EVATIONS ARE RDINATE ELEVA	INISH FLOOR ELEVATION E BASED ON A "REFERENG ATION OF FINISHED FLOO
4	ELECTRIC PANELS, ALARM BOXE	S. FIRE FOUIP	MENT CARINETS AND OTI

LOCATION MAP

TO THE OWNER.

A. VALVES

C. MIXING BOXES



RECESSED BOXES GREATER THAN 16 SQUARE INCHES THAT ARE LOCATED

IN RATED WALLS SHALL BE BACKED BY GYPSUM WALLBOARD LAYERS

PROIDED WITH A RATED CABINET TO MATCH THE DESIGNATED RATING.

SUFFICIENT TO MAINTAIN THE DESIGNATED RATING. FEC'S MAY BE

5 ATTIC ACCESS FROM AN ADJACENT SPACE SHALL BE PROVIDED WHERE

H. SPRINKLER SYSTEM DRAINS AND TEST CONNECTIONS

6 PATCH AND REPAIR ALL ITEMS DAMAGED OR ALTERED DURING

CONSTRUCTION. ALL PATCHES SHALL BLEND WITH ADJACENT MATERIAL, COLOR, FINISH, AND TEXTURE. ALL EXISTING WORK FURNISHINGS, EQUIPMENT OR MATERIAL TO REMAIN THAT ARE DAMAGED BY THE CONTRACTOR'S OPERATION SHALL BE REPAIRED AT NO ADDITIONAL COST

THE BELOW ITEMS OCCUR OVER GWB CEILINGS:

B. FLOW MEASURING DEVICES

D. POWER OPERATED DAMPERS E. ACCESS PANELS IN DUCTWORK F. VOLUME AND BALANCING DEVICES

G. WATER FLOW SWITCHES

I. PRESSURE SWITCHES

WAKEFIELD BEASLEY &

DESIGNING ARCHITECT

A **NELSON** Company

ASSOCIATES

ARCHITECT OF RECORD

a licensed affiliate of Nelson Worldwide, LLC.



DAWSON COUNTY SENIOR CENTER

201 RECREATION RD DAWSONVILLE, GA 30534

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Record	
Record	

2018-06-01 DESIGN DEVELOPMENT 100% 2018-06-18 CD PROGRESS PRINT 90% 2019-02-19 CONSTRUCTION DOCUMENTS 100% 2019-03-08 GRANT REVIEW DOCUMENTS

Revisions

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RELEASED FOR CONSTRUCTION

February 04, 2019

PROJECT NUMBER 1816000.000

COVER SHEET

SHEET NUMBER

G1-0

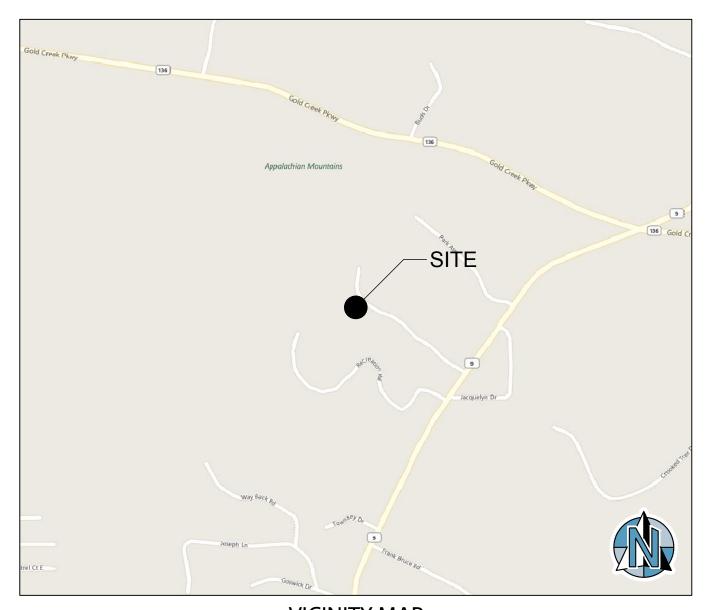
SITE DEVELOPMENT PLANS FOR:

DAWSON COUNTY SENIOR CENTER EXPANSION

201 RECREATION RD DAWSONVILLE, GA 30534 LAND LOTS 248 & 249, 13TH DISTRICT, PARCEL #: 091035 **ZONED: RA**

SHEET INDEX

- COVER
- CONSTRUCTION RESPONSIBILITY PLAN
- **SURVEY**
- **DEMOLITION PLAN**
- SITE & PAVING PLAN
- ACCESSIBILITY PLAN AND DETAILS
- GRADING AND DRAINAGE PLAN STORM DRAINAGE PROFILES
- C-2.2 STORM DRAINAGE DETAILS
- **UTILITIES PLAN**
- SANITARY SEWER PROFILES
- **EROSION, SEDIMENTATION, & POLLUTION CONTROL COVER** EROSION, SEDIMENTATION, & POLLUTION CONTROL NOTES
- EROSION, SEDIMENTATION, & POLLUTION CONTROL NOTES
- INITIAL EROSION, SEDIMENTATION, & POLLUTION CONTROL PLAN
- INTERMEDIATE EROSION, SEDIMENTATION, & POLLUTION CONTROL PLAN
- FINAL EROSION, SEDIMENTATION, & POLLUTION CONTROL PLAN
- EROSION, SEDIMENTATION, & POLLUTION CONTROL DETAILS
- **EROSION, SEDIMENTATION, & POLLUTION CONTROL DETAILS** EROSION, SEDIMENTATION, & POLLUTION CONTROL DETAILS
- **CONSTRUCTION DETAILS**
- **CONSTRUCTION DETAILS**
- **UTILITY DETAILS**
- UTILITY DETAILS LANDSCAPE PLAN
- LANDSCAPE DETAILS



VICINITY MAP NOT TO SCALE

SITE DISTURBED AREA = 7.5 AC.

PREPARED BY:



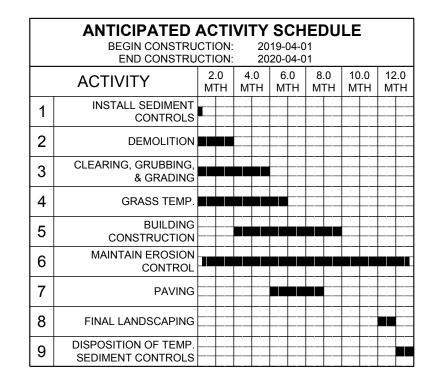
Foresite Group, Inc. **w** | www.fg-inc.net **o** | 770.368.1399 3740 Davinci Ct. Suite 100 **f** | 770.368.1944

Peachtree Corners, GA 30092

24 HR CONTACT: DAVID MCGHEE (706) 344-3501

ISSUED: MARCH 28, 2018 121.029

CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY UPON COMPLETION OF INITIAL EROSION BMP'S AS SHOWN ON SHEET C-4 IN ORDER FOR ENGINEER TO SCHEDULE THE INITIAL 7 DAY EROSION CONTROL INSPECTION. THE CONTRACTOR SHALL VERIFY THAT ALL EXISTING INITIAL BMP'S ARE INSTALLED PROPERLY. ALL COMPENSATION FOR DESIGN ENGINEER'S REINSPECTION TO VERIFY THAT THE INITIAL BMP'S ARE PROPERLY INSTALLED WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.



PROJECT DIRECTORY

OWNER

DAWSON COUNTY BOARD OF **COMMISSIONER** 25 JUSTICE WAY, SUITE 2223 DAWSONVILLE, GA 30534 (706) 344-3500 **CONTACT: MELISSA HAWK**

CIVIL ENGINEER

FORESITE GROUP, INC. 3740 DAVINCI COURT, SUITE 100 PEACHTREE CORNERS, GA 30092 (770) 344-3700 **CONTACT: DAWN PRUETT**

ARCHITECT

ERIC PEEK 5200 AVOLON BLVD ALPHARETTA, GA 30009 (770) 209-9393 **CONTACT: WAKEFIELD BEASLEY &** ASSCIATES, INC.

SURVEYOR GEOSURVEY, LTD 1660 BARNES MILL RD MARIETTA, GA 30062 (770) 795-9900 **CONTACT: JOHN NEWMAN**

GEOTECHNICAL ENGINEER

GEOHYDRO ENGINEERS 1000 COBB PLACE BLVD, SUITE 290 KENNESAW, GA 30144 (770) 426.7100 **CONTACT: A. MARTY PENINGER**

UTILITY PROVIDERS

WATER SERVICE PROVIDER ETOWAH WATER AND SEWER AUTHORITY

1162 HWY 53 E DAWSONVILLE, GA 30534 (706) 216-8474 CONTACT: JOHN CORAN

SANITARY SEWER SERVICE PROVIDER

ETOWAH WATER AND SEWER 1162 HWY 53 E DAWSONVILLE, GA 30534 (706) 216-8474 **CONTACT: JOHN CORAN**

ELECTRICAL SERVICE PROVIDER

GEORGIA POWER COMPANY 823 JEFFERSON ST. ATLANTA, GA 30318 (404) 506-4569 CONTACT: IKE COLLINS

GAS SERVICE PROVIDER SOUTHEN COMPANY GAS

10 PEACHTREE ST. NE ATLANTA, GA 30309 (404) 584-4338 **CONTACT: HAYDEN HINTON**

TELEPHONE SERVICE PROVIDER

WINDSTREAM COMMUNICATION 750 N. JEFFERSON ST. NE MILLEDGEVILLE, GA 31061 (888) 599-3166

LOCAL MUNICIPALITY **DAWSON COUNTY**

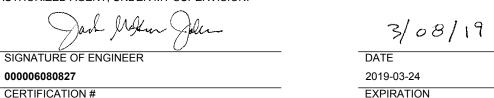
25 JUSTICE WAY, SUITE 2223 DAWSONVILLE, GA 30534 (706) 344-3500 **CONTACT: JASON STREETMAN**



Know what's **below**. **Call** before you dig.

CERTIFICATION STATEMENT

"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 STATE 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 THE BEST MANAGEMENT PRACTICES AND SAMPLING METHODS IS EXPECTED TO MEET THE REQUIREMENTS CONTAINED IN THE GENERAL NPDES PERMIT NO. GAR 100001 ADDITIONALLY, 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."



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

SIGNATURE OF PRIMARY PERMITEE

AS USED HEREIN, THE WORD CERTIFY SHALL MEAN AN EXPRESSION OF THE CONSULTANT'S PROFESSIONAL OPINION TO THE BEST OF ITS INFORMATION, KNOWLEDGE, AND BELIEF, AND DOES NOT CONSTITUTE A WARRANTY OR GUARANTEE BY THE CONSULTANT

WAKEFIELD BEASLEY & ASSOCIATES

A NEL3ON Company

ARCHITECT OF RECORD

a licensed affiliate of Nelson Worldwide, LLC



DAWSON COUNTY **SENIOR CENTER** AND PAVILION

201 RECREATION RD DAWSONVILLE, GA 30534

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Print Record

2019-01-14 SCHEMATIC DESIGN PACKAGE 2019-02-04 BID PACKAGE

2019-03-08 GRANT REVIEW DOCUMENTS

Description

RELEASED FOR CONSTRUCTION

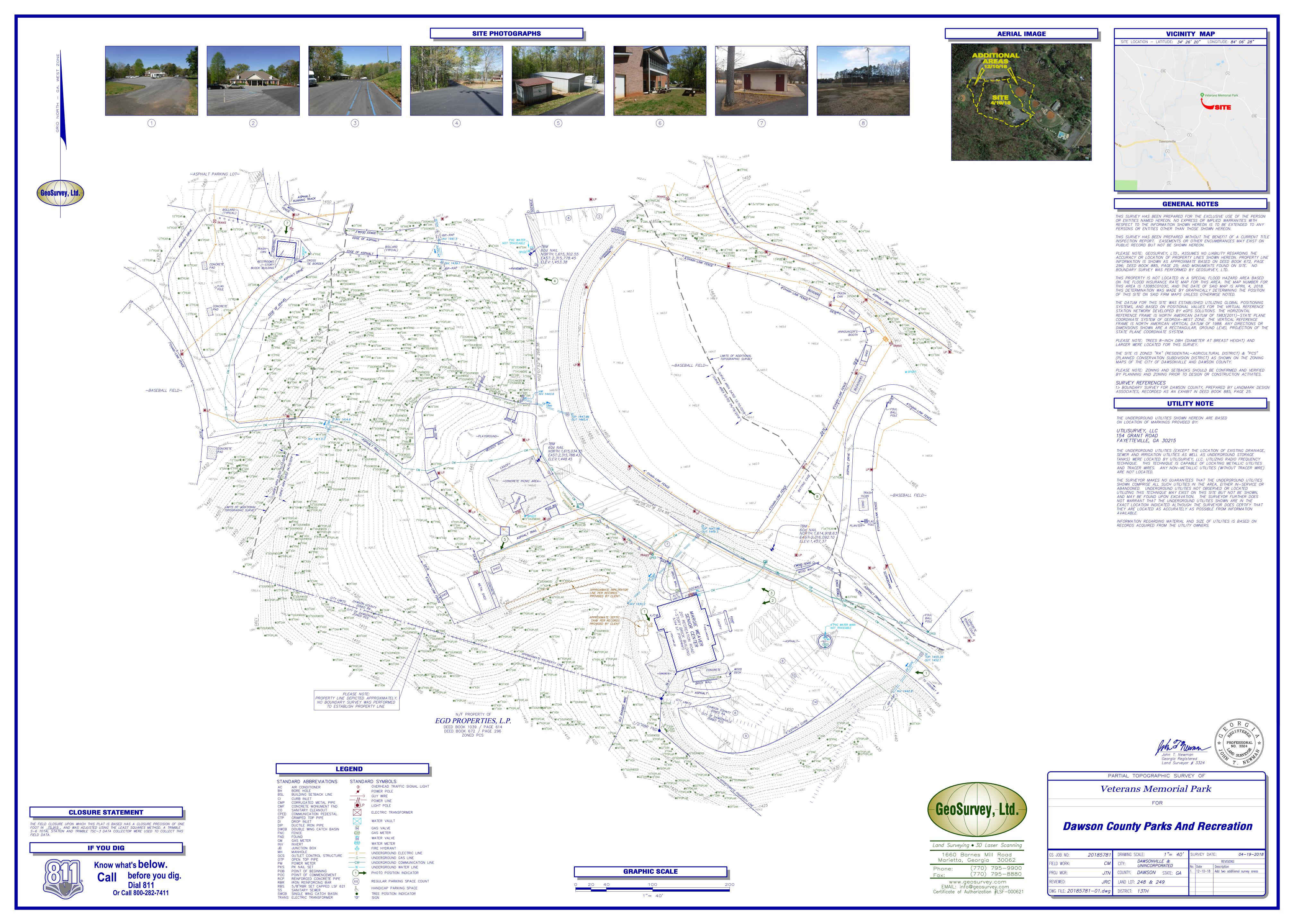
PROJECT NUMBER

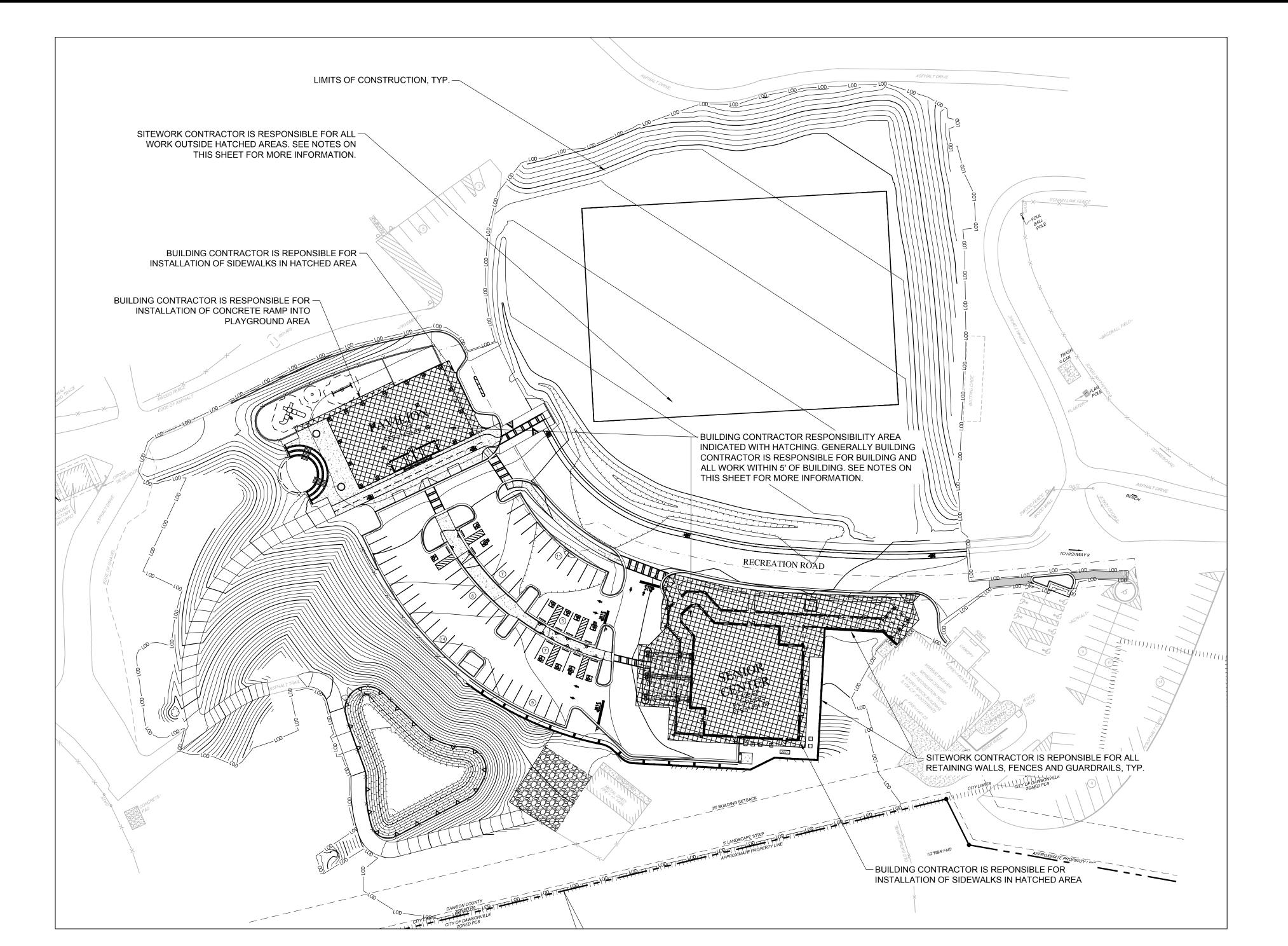
SHEET TITLE

COVER

SHEET NUMBER

G-





- 3. SITEWORK CONTRACTOR IS RESPONSIBLE TO BRING THE BUILDING PADS TO GRADE IN ACCORDANCE WITH THE REPORT OF SUBSURFACE EXPLORATION AND GEOTECHNICAL ENGINEERING PREPARED BY GEOHYDRO ENGINEERS, DATED APRIL 3, 2018.
- UNDERGROUND ROOF DRAINAGE LINES). SITE WORK CONTRACTOR IS RESPONSIBLE FOR ALL COSTS AND COORDINATION WITH UTILITY PROVIDERS FOR
- INSTALLATION OF SERVICES, RELOCATION AND/OR MODIFICATION OF SERVICES. 5. SITEWORK CONTRACTOR IS RESPONSIBLE FOR TRANSFORMER PAD. BUILDING CONTRACTOR RESPONSIBLE FOR ALL OTHER BUILDING UTILITY EQUIPMENT PADS,
- 6. ALL RETAINING WALLS, FENCES AND GUARDRAILS (SEE BUILDING STRUCTURAL PLANS FOR FENCE CONNECTION DETAIL TO TOP OF RETAINING WALL).
- 7. ALL PLAYGROUND INFRASTRUCTURE UNLESS OTHERWISE NOTED HERE ON.
- 10. ALL CONCRETE SIDEWALK, UNLESS OTHERWISE NOTED IN THE RESPONSIBILITY
- 11. ALL ROADWAY, TRAIL, AND PARKING LOT ASPHALT PAVING TO THE BINDER COURSE OF ASPHALT. THE BUILDING CONTRACTOR WILL BE RESPONSIBLE TO INSTALL THE FINISH COURSE OF ASPHALT AT THE COMPLETION OF
- CONSTRUCTION. 12. ALL LANDSCAPING AND IRRIGATION.
- ALL OTHER SITEWORK INDICATED IN THE PLANS AND SPECIFICATIONS NOT COVERED BY THE BUILDING CONTRACTOR.

BUILDING CONTRACTOR RESPONSIBILITIES:

1. COMPLETE BUILDING PER BUILDING PLANS.

Know what's **below. Call** before you dig.

- 3. HVAC AND OTHER EQUIPMENT PADS EXCEPT TRANSFORMER PAD. SEE NOTES
- 6. PORTIONS OF CONCRETE SIDEWALK INDICATED IN THE RESPONSIBILITY EXHIBIT.
- PORTIONS OF CONCRETE SIDEWALK INDICATED IN THE RESPONSIBILITY EXHIBIT.
 INSTALLATION THE FINISH COURSE OF ASPHALT AT THE COMPLETION OF CONSTRUCTION.
 REPLACEMENT OF ANY SIDEWALK, CURBS OR OTHER IMPROVEMENTS INSTALLED



SITEWORK CONTRACTOR RESPONSIBILITIES:

- ALL DEMOLITION.
 ALL GRADING, EARTHWORK, STORMWATER MANAGEMENT AND DRAINAGE INFRASTRUCTURE INCLUDING ROOF DRAINS STUBBED AT 5' OUTSIDE THE BUILDING ENVELOPE.
- 4. ALL UTILITIES STUBBED AT 5' OUTSIDE BUILDING ENVELOPE (INCLUDING
- SEE NOTES BELOW.
- 8. ALL AMPHITHEATER INFRASTRUCTURE.
- 9. ALL CURB AND GUTTER.

- 13. ALL PAVEMENT STRIPING AND SIGNAGE.
 14. REPLACEMENT OF ANY IMPROVEMENTS INSTALLED BY THE BUILDING CONTRACTOR THAT ARE DAMAGED BY SITEWORK CONTRACTOR DURING

- 2. UTILITY CONNECTIONS TO BUILDING.
- ABOVE.
- DOWNSPOUT CONNECTIONS TO UNDERGROUND ROOF DRAINAGE LINES.
 CONCRETE PAVEMENT IN PORTE COCHERE AREA.

BY THE SITEWORK CONTRACTOR THAT ARE DAMAGED BY BUILDING CONTRACTOR DURING CONSTRUCTION.

SCALE IN FEET

WAKEFIELD BEASLEY & ASSOCIATES

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DAWSON COUNTY **SENIOR** CENTER AND PAVILION

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2019-03-08 GRANT REVIEW DOCUMENTS

Revisions

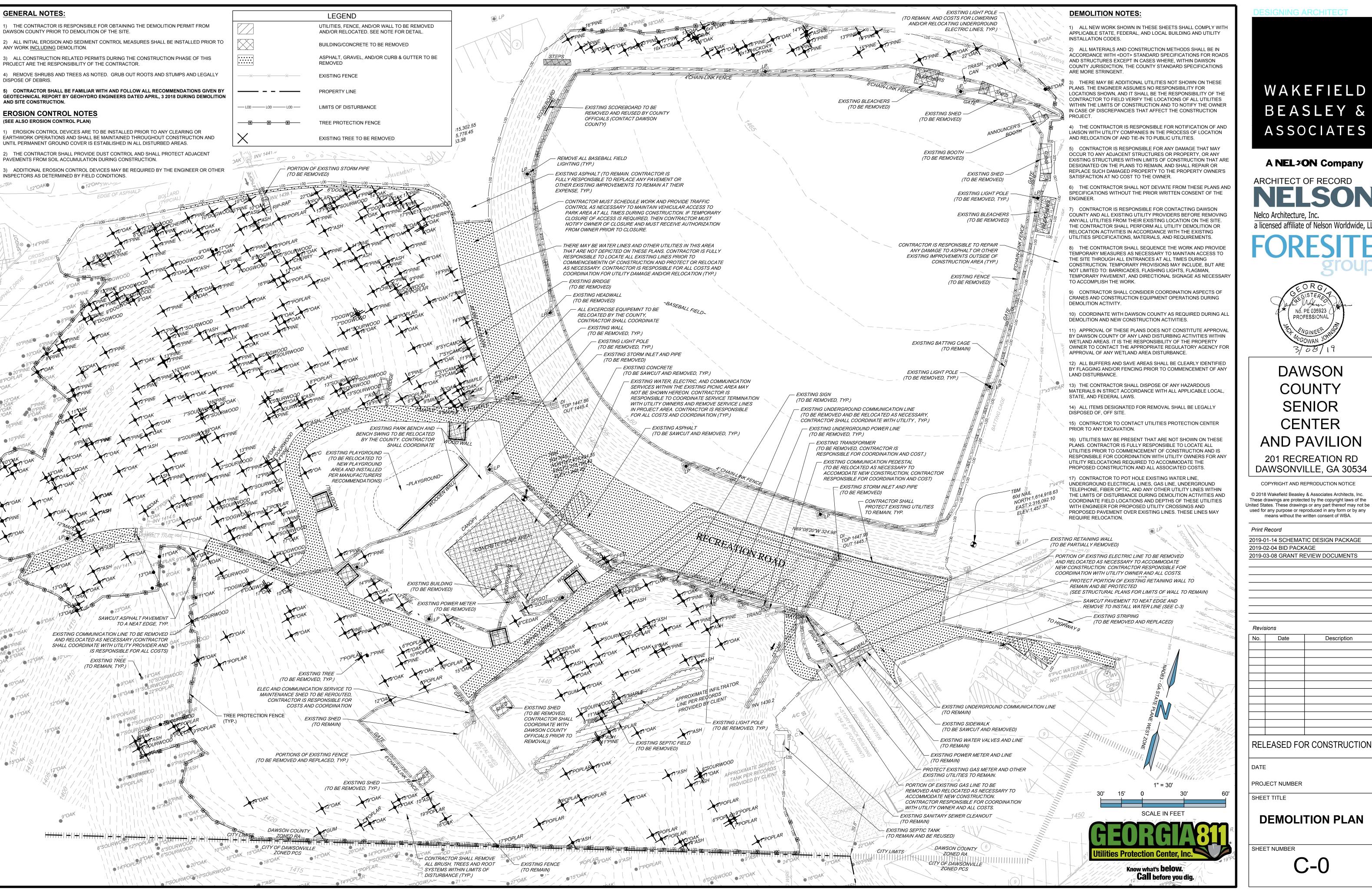
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RELEASED FOR CONSTRUCTION

PROJECT NUMBER

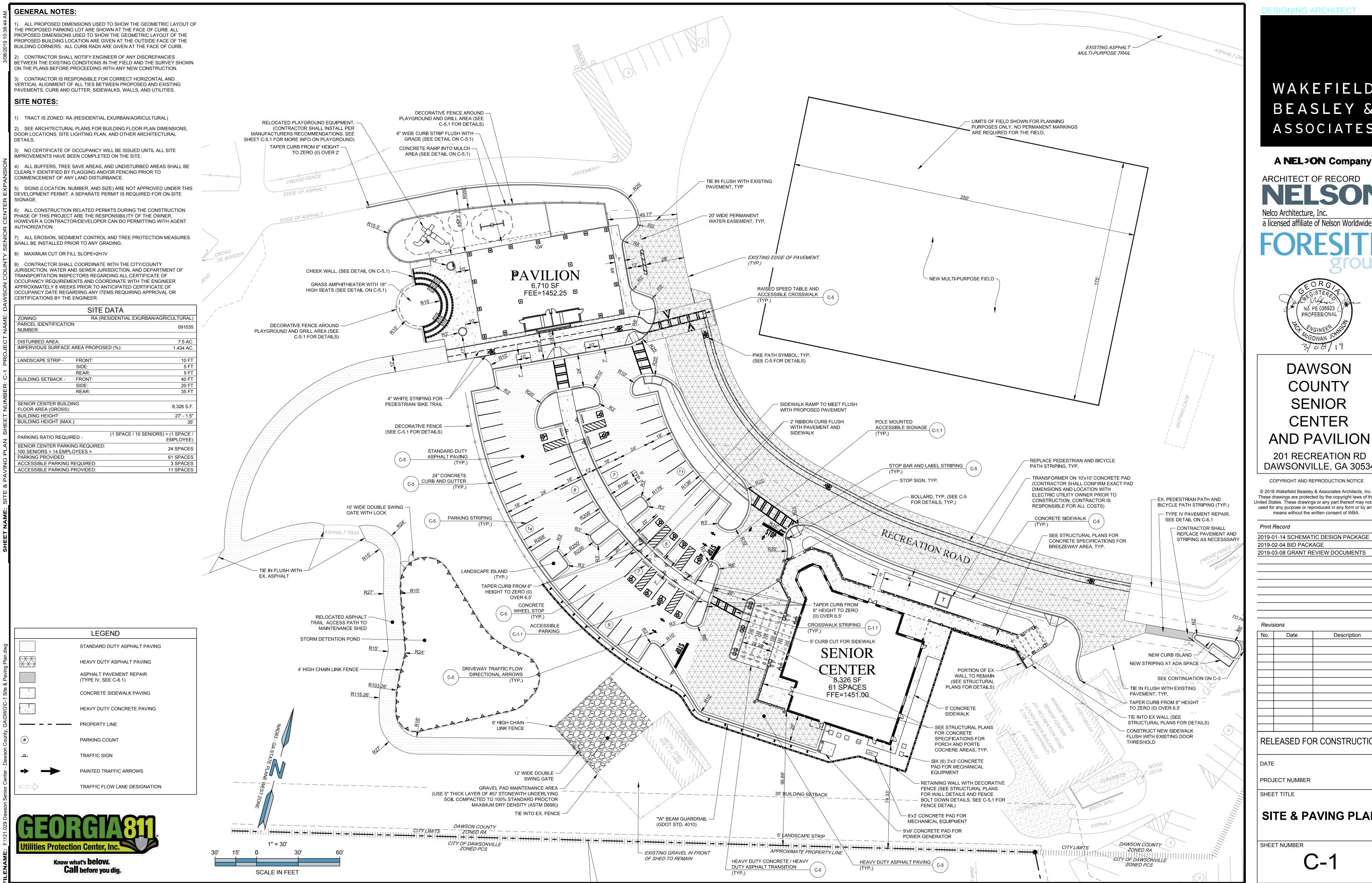
SHEET TITLE

CONSTRUCTION **RESPONSIBILITY PLAN**



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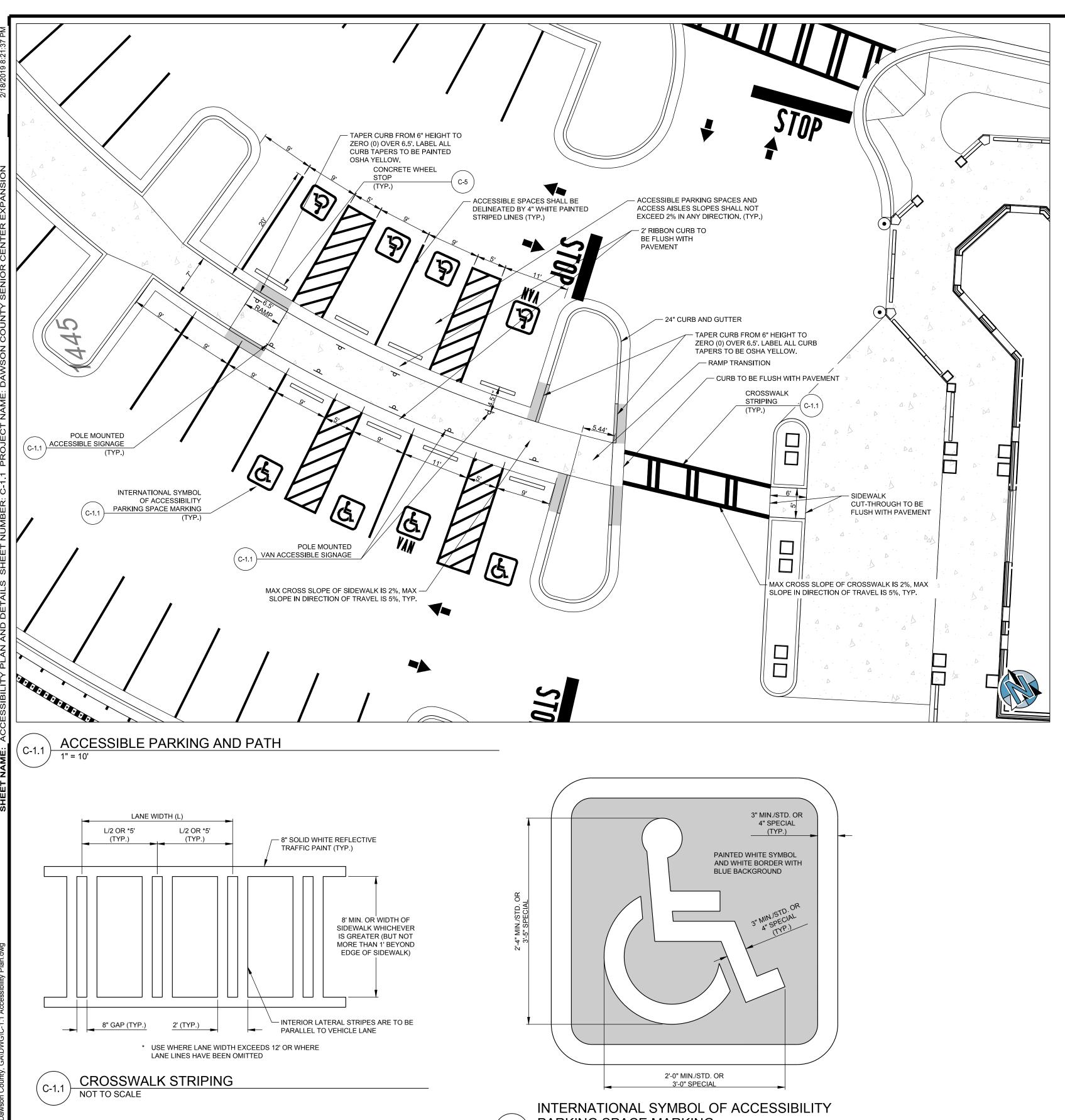
2019-01-14 SCHEMATIC DESIGN PACKAGE 2019-02-04 BID PACKAGE

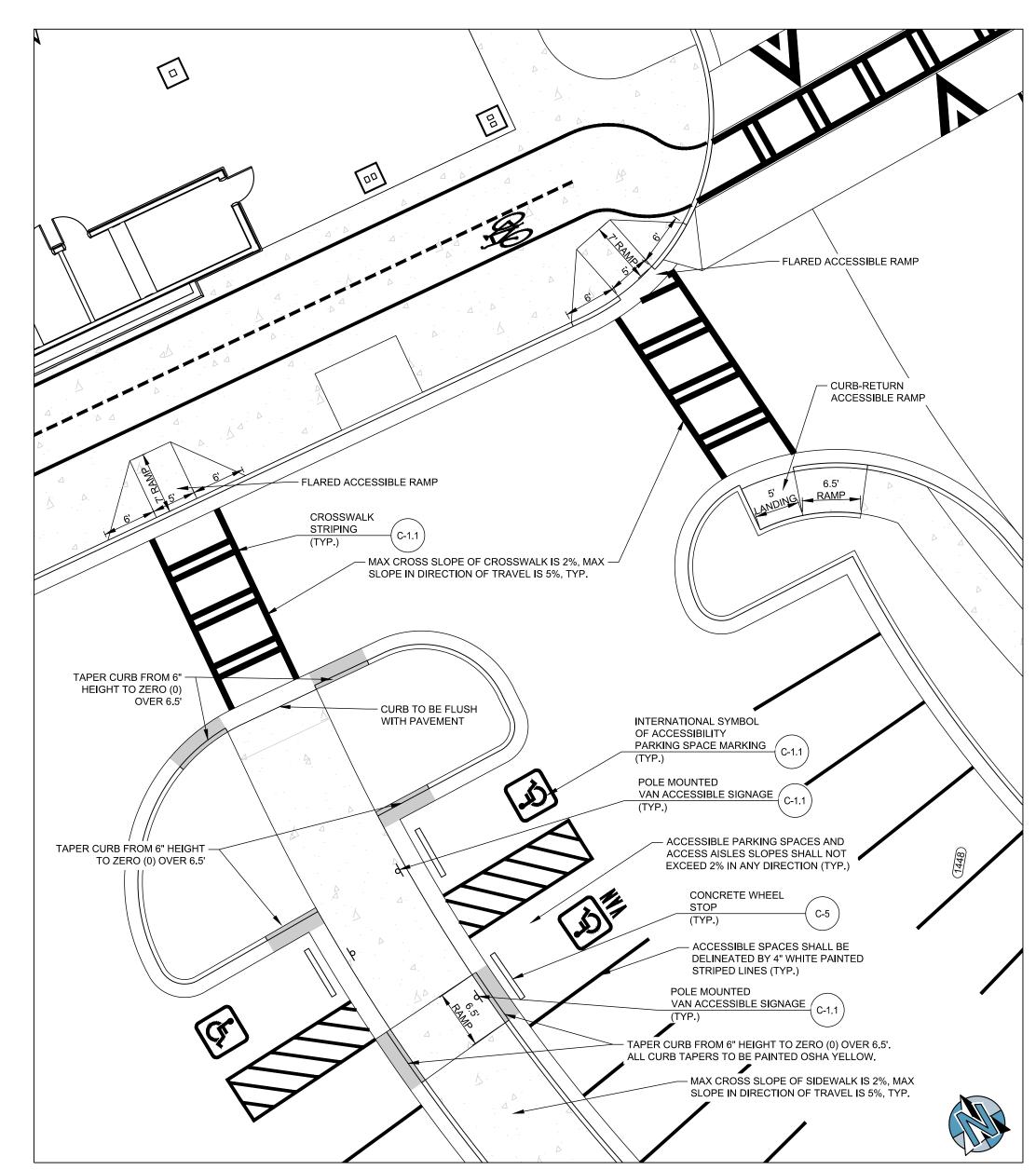
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EL	LEASED FOR CONSTRUCTION							

PROJECT NUMBER

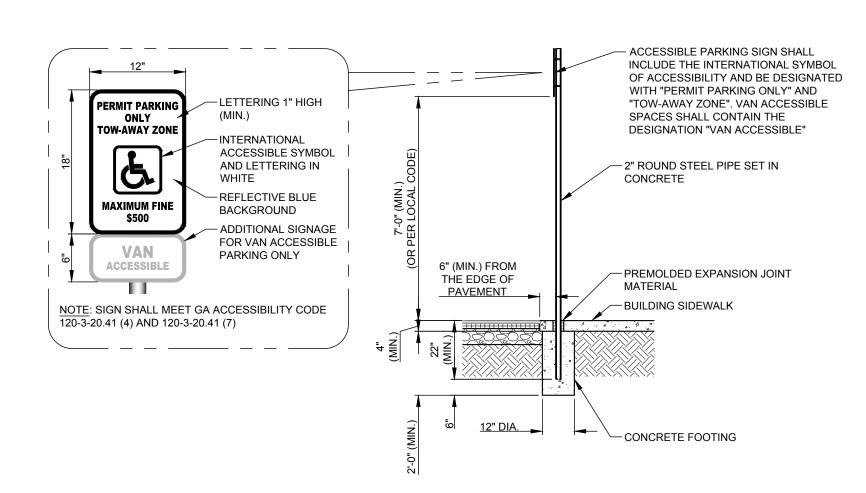
SHEET TITLE

SITE & PAVING PLAN





ACCESSIBLE PARKING AND PATH



SIDEWALK POLE MOUNTED ACCESSIBLE SIGNAGE C-1.1 NOT TO SCALE

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No. Date Description

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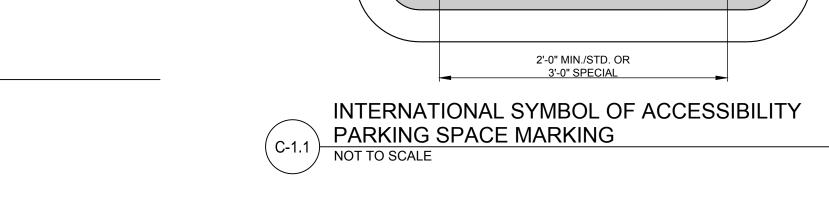
PROJECT NUMBER

SHEET TITLE

ACCESSIBILITY PLAN AND DETAILS

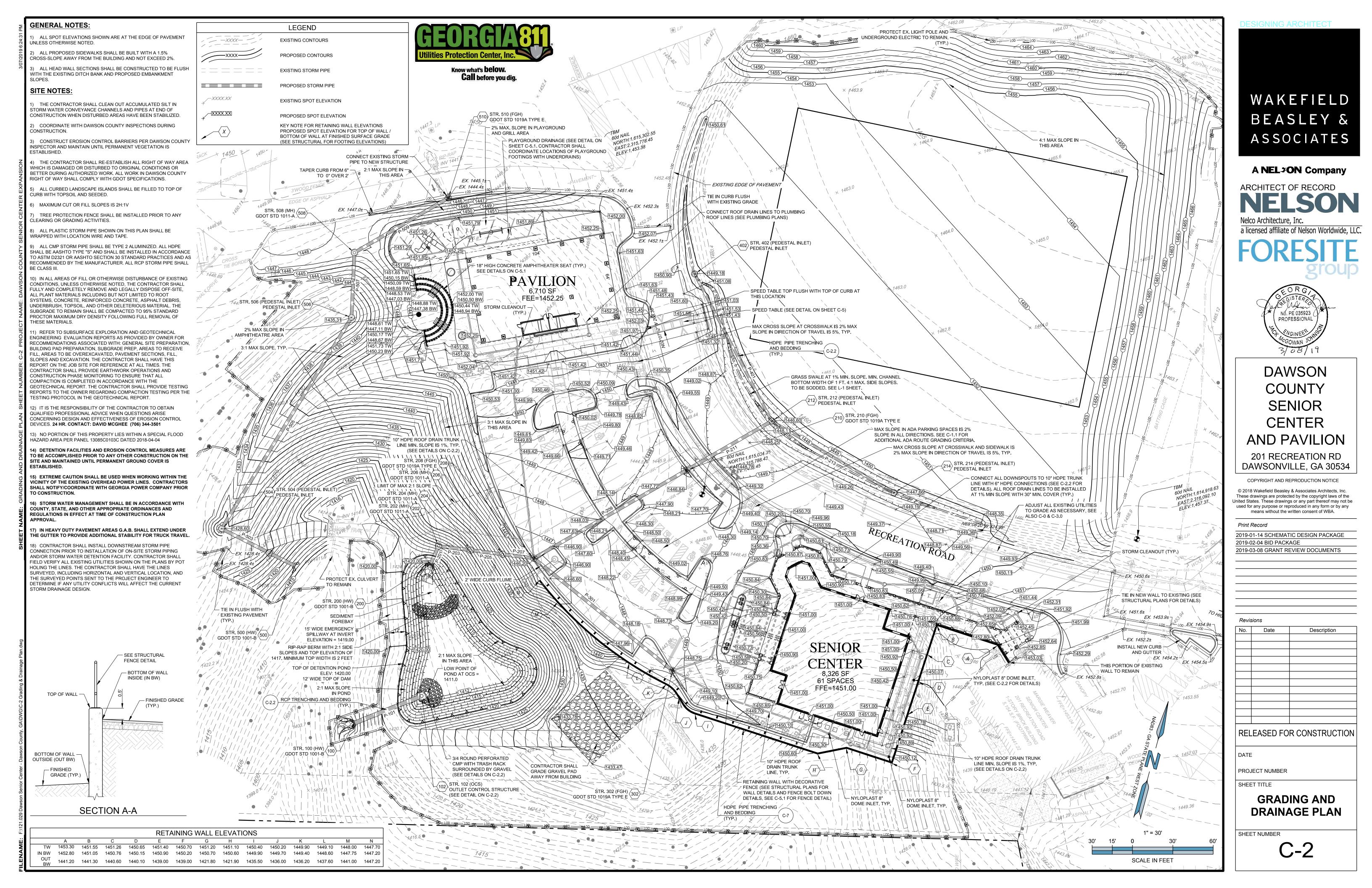
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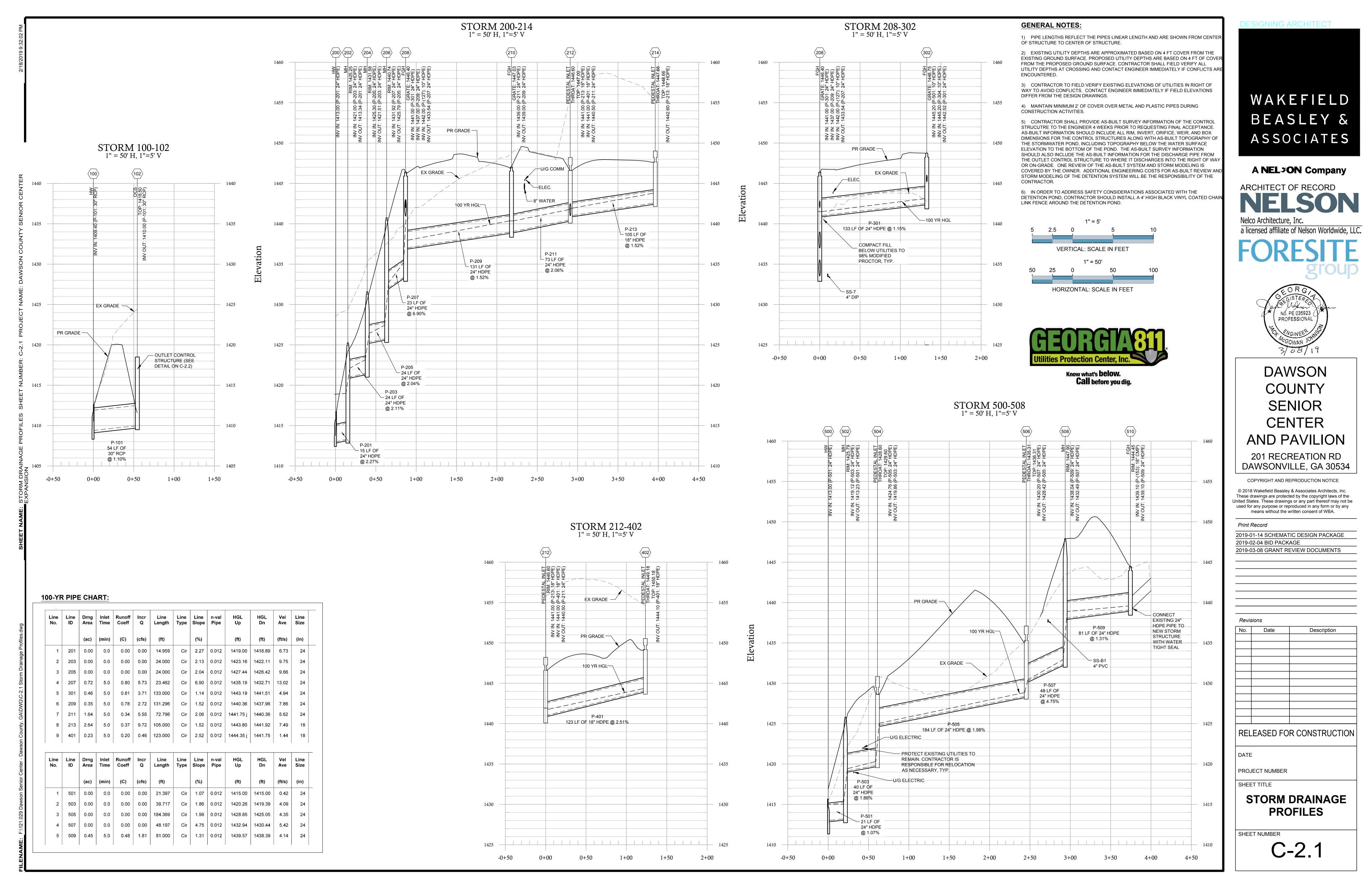
C-1.1





Call before you dig.





WHEN ARE INLINE DRAINS USED?

TYPICAL INSTALLATIONS

WHEN ARE DRAIN BASINS USED?

ADAPTERS CAN BE MOUNTED ON ANY ANGLE 0° TO 360°, TO DETERMINE MINIMUM ANGLE BETWEEN ADAPTERS SEE DRAWING NO. 7001-110-012
 DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO 19-0A DETAILS RISERS ARE NEEDED FOR BASINS OVER 84° DUE TO SHIPPING RESTRICTIONS

NYLOPLAST DETAILS

- STRUCTURES & ADAPTERS AVAILABLE IN SIZES 8" - 30"

SEE DRAWING NO. 7001-110-065

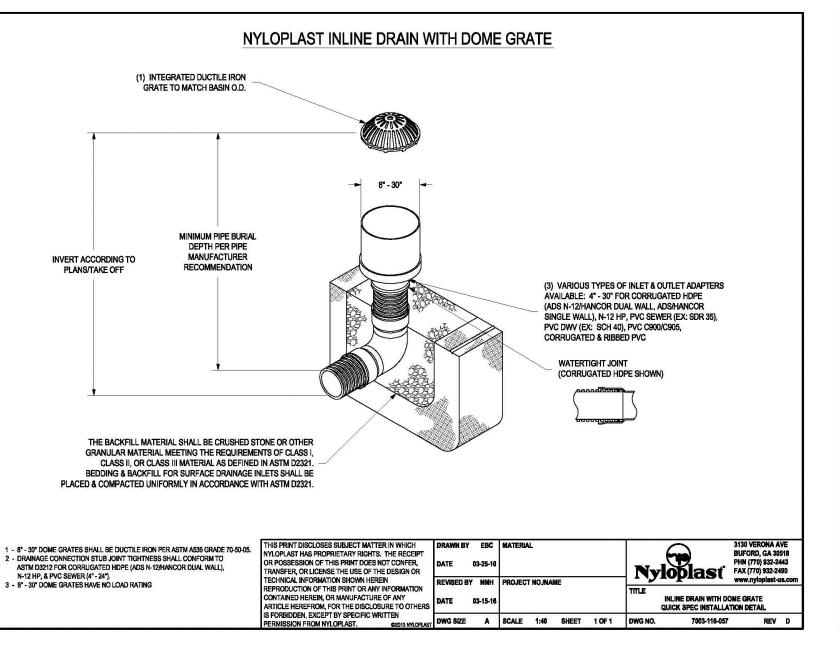
NOT TO SCALE

: TO CHANGE ELEVATION

TYPICAL INSTALLATION OF NYLOPLAST

2708AG _ _ X 2710AG _ _ X 2712AG _ _ X 2715AG _ _ X 2718AG _ _ X 2724AG _ _ X 2730AG _ _ X

2808AG _ _ X 2810AG _ _ X 2812AG _ _ X 2815AG _ _ X 2818AG _ _ X 2824AG _ _ X 2830AG _ _ X



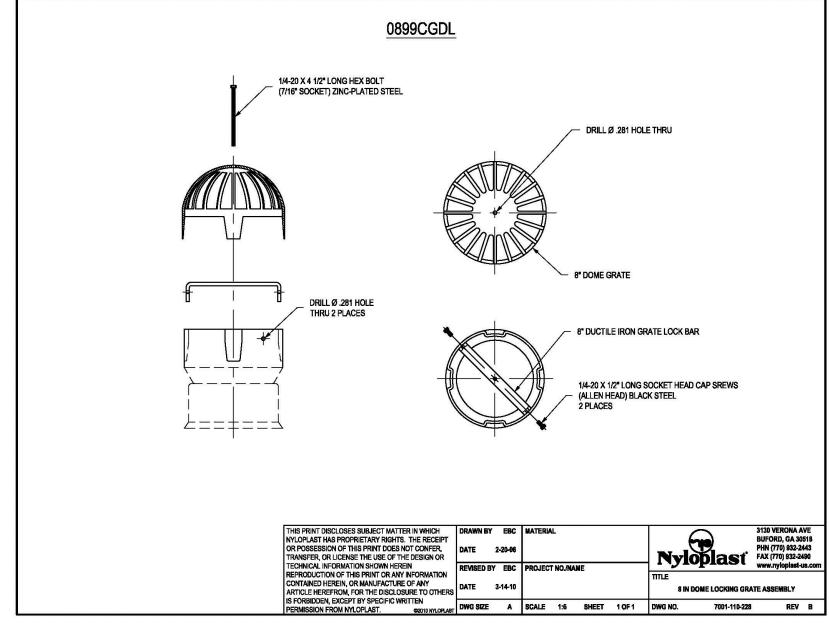
1: TO ENTER AN EXISTING LINE

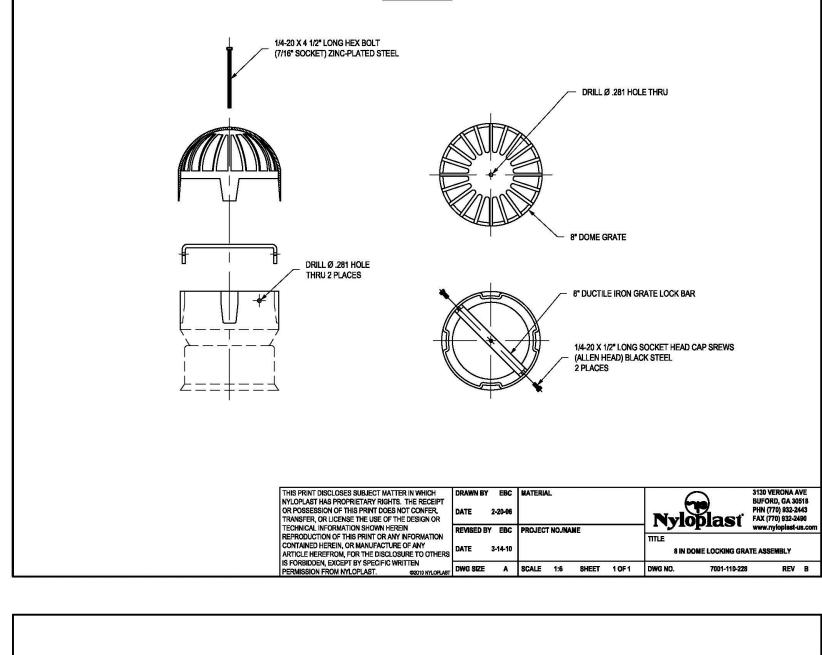
WATERTIGHT ADAPTERS AVAILABLE

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Section 2722

Engineered Surface Drainage Products

PVC surface drainage inlets shall be of the inline drain type as indicated on the contract drawing and referenced within the contract specifications. The ductile iron

grates for each of these fittings are to be considered an integral part of the surface drainage inlet and shall be furnished by the same manufacturer. The surface

The inline drain required for this contract shall be manufactured from PVC pipe stock, utilizing a thermo-molding process to reform the pipe stock to the furnished

configuration. The drainage pipe connection stubs shall be manufactured from PVC pipe stock and formed to provide a watertight connection with the specified

pipe system. This joint tightness shall conform to ASTM D3212 for joints for drain and sewer plastic pipe using flexible elastomeric seals. The flexible elastomeric

seals shall conform to ASTM F477. The pipe bell spigot shall be joined to the inline drain body by use of a swage mechanical joint. The raw material used to

manufacture the pipe stock that is used to manufacture the inline drain body and pipe stubs of the surface drainage inlets shall conform to ASTM D1784 cell class

The grates furnished for all surface drainage inlets shall be ductile iron grates for sizes 8", 10", 12", 15", 18", 24" and 30" shall be made specifically for each fitting

so as to provide a round bottom flange that closely matches the diameter of the surface drainage inlet. Grates for inline drains shall be capable of supporting H-20

wheel loading for traffic areas or H-10 loading for pedestrian areas. 12" and 15" square grates will be hinged to the frame using pins. Metal used in the

The specified PVC surface drainage inlet shall be installed using conventional flexible pipe backfill materials and procedures. The backfill material shall be crushed stone or other granular material meeting the requirements of class 1, class 2, or class 3 material as defined in <u>ASTM D2321</u>. Bedding and backfill for

surface drainage inlets shall be well placed and compacted uniformly in accordance with ASTM D2321. The drain basin body will be cut at the time of the final

grade. No brick, stone or concrete block will be required to set the grate to the final grade height. For H-20 load rated installations, a concrete ring will be poured

under and around the grate and frame. The concrete slab must be designed taking into consideration local soil conditions, traffic loading, and other applicable design factors. For other installation considerations such as migration of fines, ground water, and soft foundations refer to <u>ASTM D2321</u> guidelines.

drainage inlets shall be as manufactured by Nyloplast a division of Advanced Drainage Systems, Inc., or prior approved equal.

manufacture of the castings shall conform to ASTM A536 grade 70-50-05 for ductile iron. Grates shall be provided painted black.

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RECOMMENDED MINIMUM TRENCH WIDTHS

PIPE DIAM. | MIN. TRENCH WIDTH

MINIMUM RECOMMENDED COVER BASED ON

VECHICLE LOADING CONDITIONS

* VEHICLES IN EXCESS OF 75T MAY REQUIRE

MINIMUM RECOMMENDED COVER BASED

ON RAILWAY LOADING CONDITIONS

SURFACE LIVE LOADING CONDITION

E-80**

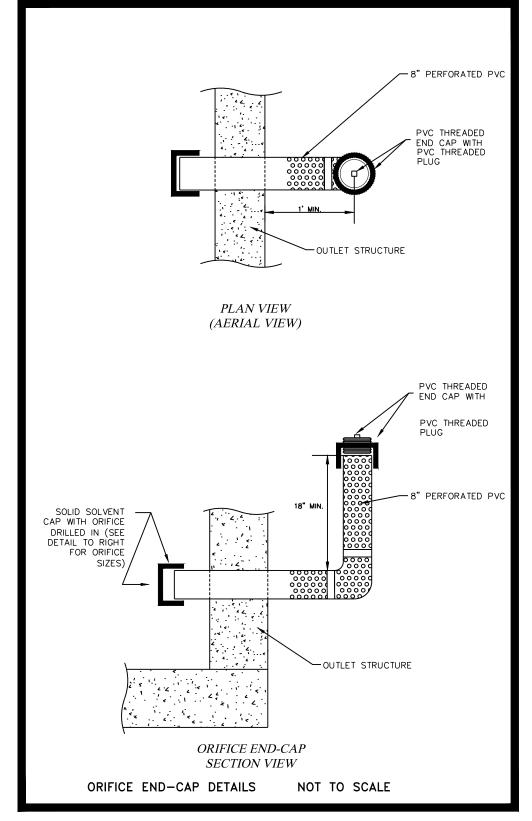
HEAVY CONSTRUCTION

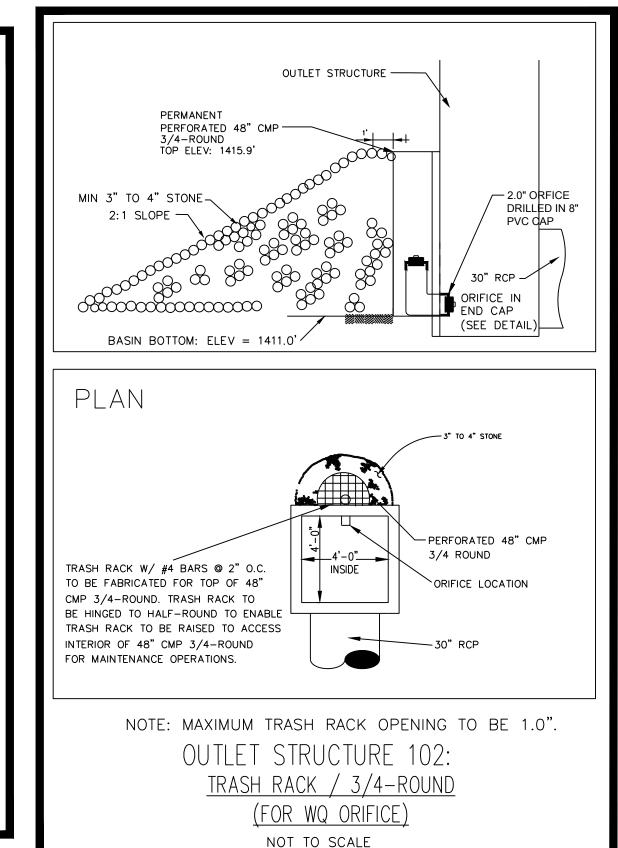
(75T AXLE LOAD) *

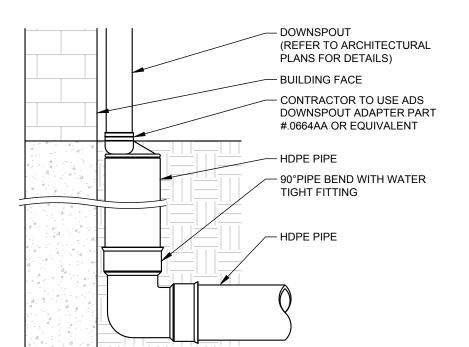
ARTICLE HEREFROM, FOR THE DISCLOSURE TO OTHERS

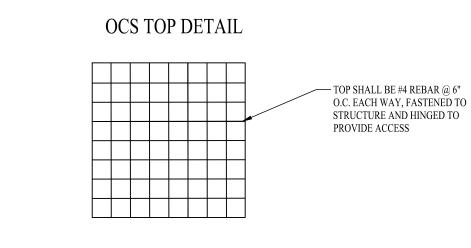
IS FORBIDDEN FXCEPT BY SPECIFIC MORE.

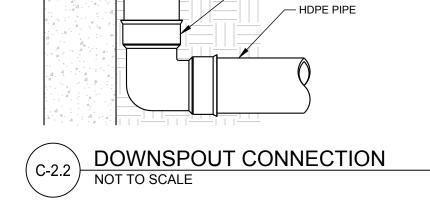
O3-15-16











	Installation Type	Bedding Thickness	Haunch and Outer Bedding	Lower Side
	Type 1	Do/24 minimum, not less than 75 mm (3"). If rock foundation, use Do/12 minimum, not less than 150 mm (6").	95% Category I	90% Category I, 95% Category II, or 100% Category I
Overfill Soil Category I, II, III H Do Do (Min.)	Type 2	Do/24 minimum, not less than 75 mm (3"). If rock foundation, use Do/12 minimum, not less than 150 mm (6").	90% Category I or 95% Category II	85% Category I, 90% Category II, or 95% Category III
Haunch - See Illustration 4.4 Lower Side - See Illustration 4.4	Type 3	Do/24 minimum, not less than 75 mm (3"). If rock foundation, use Do/12 minimum, not less than 150 mm (6").	85% Category I, 90% Category II, or 95% Category III	85% Category I, 90% Category II, or 95% Category III
	Type 4	No bedding required, except if rock foundation, use Do/12 minimum, not less than 150 mm (6").	No compaction required, except if Category III, use 85% Category III	No compaction required, except Category III, use 85% Category III

BUFORD, GA 30518

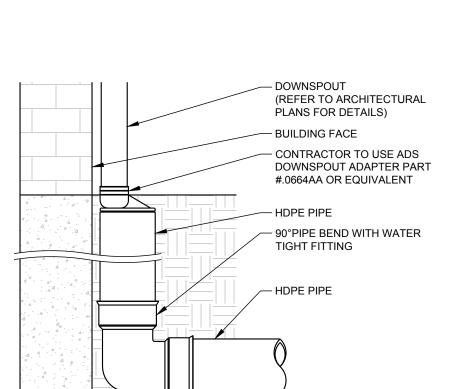
Nyloplast FAX (770) 932-2490

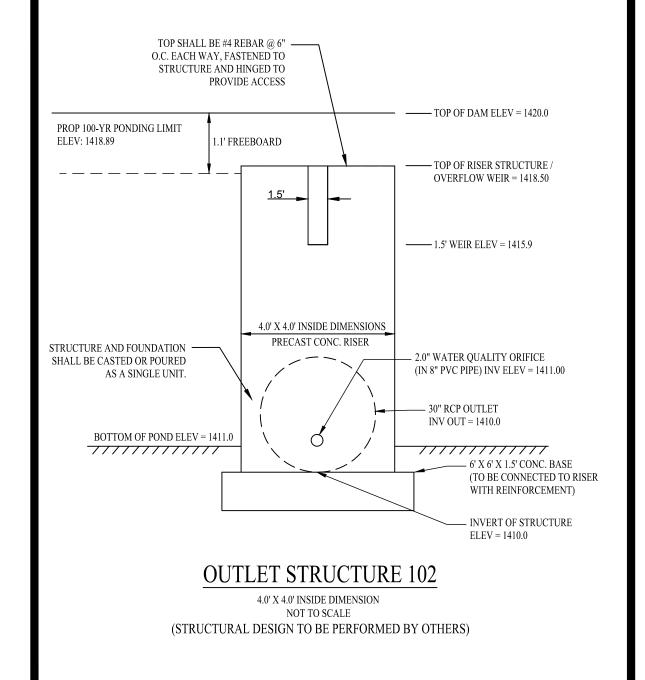
8 IN - 30 IN INLINE DRAIN SPECIFICATIONS

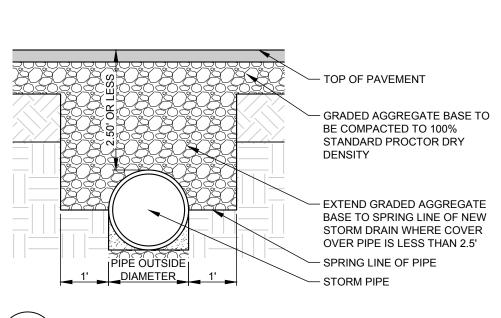
Compaction and soil symbols - i.e. "95% Category I"- refers to Category I soil material with minimum standard Proctor compaction of 95%. See Illustration 4.5 for equivalent modified Proctor values. 2. Soil in the outer bedding, haunch, and lower side zones, except under the middle1/3 of the pipe, shall be compacted to at least the same compaction as the majority of soil in the overfill zone.

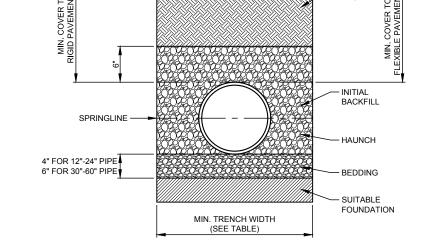
3. For trenches, top elevation shall be no lower than 0.1 H below finished grade or, for roadways, its top

- shall be no lower than an elevation of 1 foot below the bottom of the pavement base material. 4. For trenches, width shall be wider than shown if required for adequate space to attain the specified compaction in the haunch and bedding zones. 5. For trench walls that are within 10 degrees of vertical, the compaction or firmness of the soil in the trench walls and lower side zone need not be considered.
- For trench walls with greater than 10 degree slopes that consist of embankment, the lower side shall be compacted to at least the same compaction as specified for the soil in the backfill zone.
- 7.1 A subtrench is defined as a trench with its top below finished grade by more than 0.1 H or, for roadways, its top is at an elevation lower than 1ft. below the bottom of the pavement base material. 7.2 The minimum width of a subtrench shall be 1.33 D₂ or wider if required for adequate space to attain the specified compaction in the haunch and bedding zones.
- 7.3 For subtrenches with walls of natural soil, any portion of the lower side zone in the subtrench wall shall be at least as firm as an equivalent soil placed to the compaction requirements specified for the lower side zone and as firm as the majority of soil in the overfill zone, or shall be removed and replaced with soil compacted to the specified level.









2: AT THE BEGINNING OF A DRAIN LINE

12" DRAIN BASIN

(2) INLET & OUTLET

5: TO CHANGE DIRECTION

Nyloblast

8 IN - 30 IN TYPICAL INSTALLATION OPTIONS

INSTALLATION

USING AN ELBOW & RISER

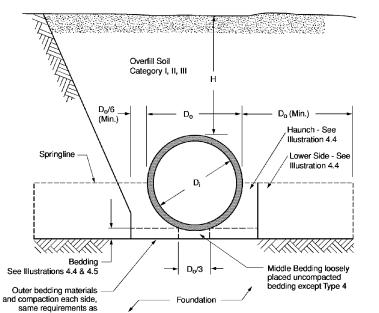
10" INLINE DRAIN

4: FOR SHALLOW

- OTES:
 ALL PIPE SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2321, "STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY FLOW APPLICATIONS", LATEST ADDITION
- FOUNDATION: WHERE THE TRENCH BOTTOM IS UNSTABLE, THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH SUITABLE MATERIAL AS SPECIFIED BY THE ENGINEER. AS AN ALTERNATIVE AND AT THE DISCRETION OF THE DESIGN ENGINEER, THE TRENCH BOTTOM MAY BE STABILIZED USING A GEOTEXTILE MATERIAL. BEDDING: SUITABLE MATERIAL SHALL BE CLASS I, II OR III. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. UNLESS OTHERWISE NOTED BY
- AS REQUIRED IN ASTM D2321, LATEST EDITION.

HDPE BEDDING, TRENCHING, AND BACKFILI

MINIMUM COVER: MINIMUM COVER, H, IN NON-TRAFFIC APPLICATIONS (GRASS OR LANDSCAPE AREAS) IS 12" FROM THE TOP OF PIPE TO GROUND SURFACE. ADDITIONAL COVER MAY BE REQUIRED TO PREVENT FLOATION. FOR TRAFFIC APPLICATIONS, MINIMUM COVER, H, IS 12" UP TO 48" DIAMETER PIPE AND 24" OF COVER FOR 54"-60" DIAMETER PIPE, MEASURED FROM TOP OF PIPE TO BOTTOM OF FLEXIBLE PAVEMENT OR TO TOP OF RIGID PAVEMENT



T DWG SIZE A SCALE 1:1 SHEET 1 OF 1 DWG NO. 7003-110-009 REV H

Illustration 4.3 Standard Trench/Embankment Installation The SPIDA design runs with the Standard Installations were made with medium compaction of the bedding under the middle-third of the pipe, and with some compaction of the overfill above the springline of the pipe. This middlethird area under the pipe in the Standard Installations has been designated as loosely placed, uncompacted material. The intent is to maintain a slightly yielding bedding under the middle-third of the pipe so that the pipe may settle slightly into the bedding and achieve improved load distribution. Compactive efforts in the

STORM PIPE MINIMUM COVER NOT TO SCALE

MEASURES SHOULD BE TAKEN TO PREVENT MIGRATION OF NATIVE FINES INTO BACKFILL MATERIAL, WHEN REQUIRED. THE ENGINEER, MINIMUM BEDDING THICKNESS SHALL BE 4" (100mm) FOR 4"-24" (100mm-600mm); I'll ENGINEER, MINIMUM BEDDING THICKNESS SHALL BE 4 (100mm) FOR 4-24 (100mm-600mm);

6" (150mm) FOR 30"-60" (750mm-900mm).

INITIAL BACKFILL: SUITABLE MATERIAL SHALL BE CLASS I, II OR III IN THE PIPE ZONE EXTENDING NOT LESS THAN 6" ABOVE CROWN OF PIPE. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. MATERIAL SHALL BE INSTALLED

UP TO 24" 24" 42"-60" ** COVER IS MEASURED FROM TOP OF PIPE TO *** E-80 COVER REQUIREMENTS. ARE ONLY APPLICABLE TO ASTM F 2306 PIPE.

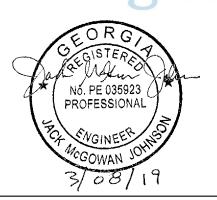
PIPE DIAM. H-25

ADDITIONAL COVER

RCP BEDDING, TRENCHING, AND BACKFILL

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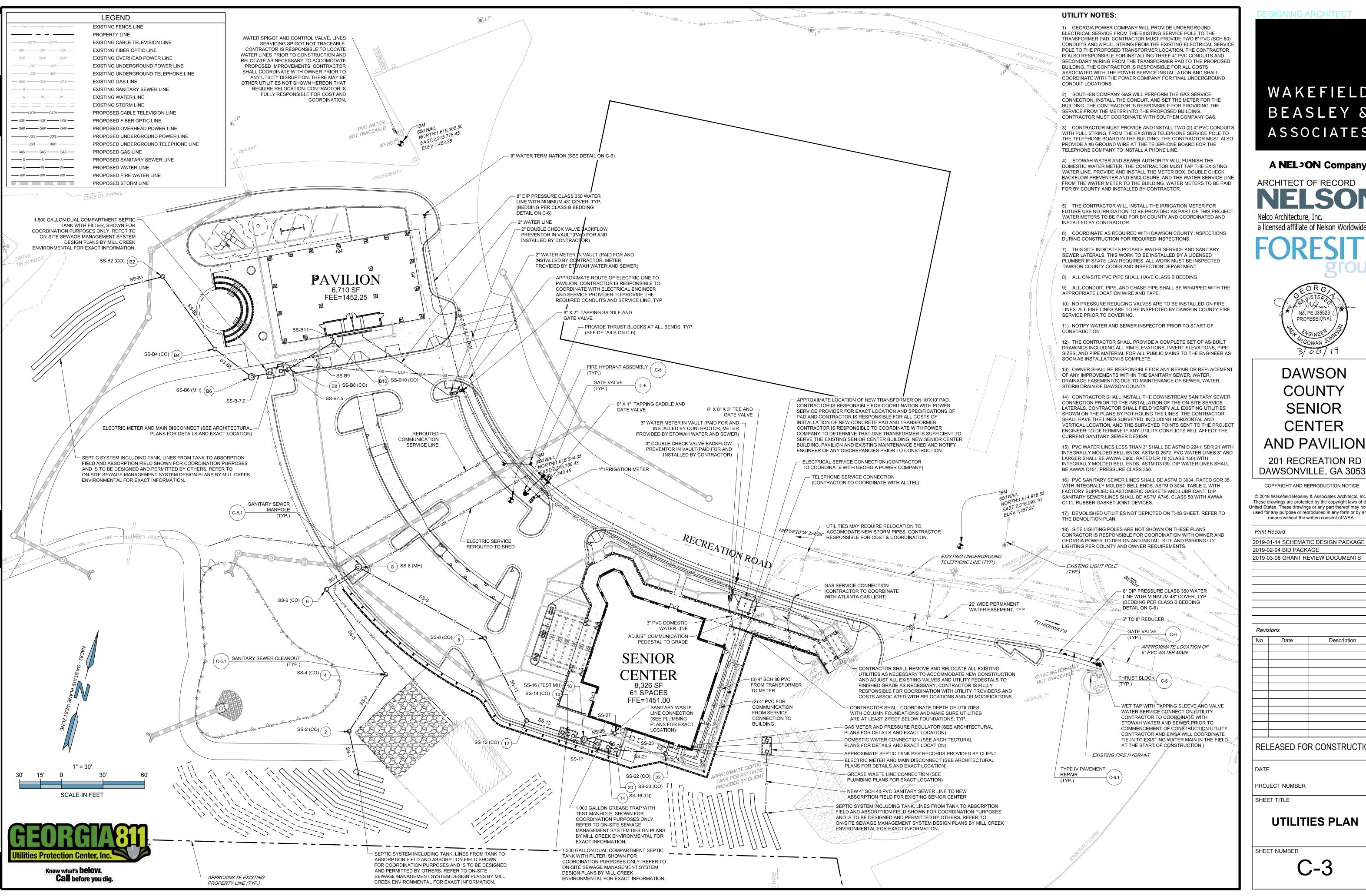
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SHEET TITLE

STORM DRAINAGE DETAILS



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Description

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UTILITIES PLAN

GENERAL NOTES:

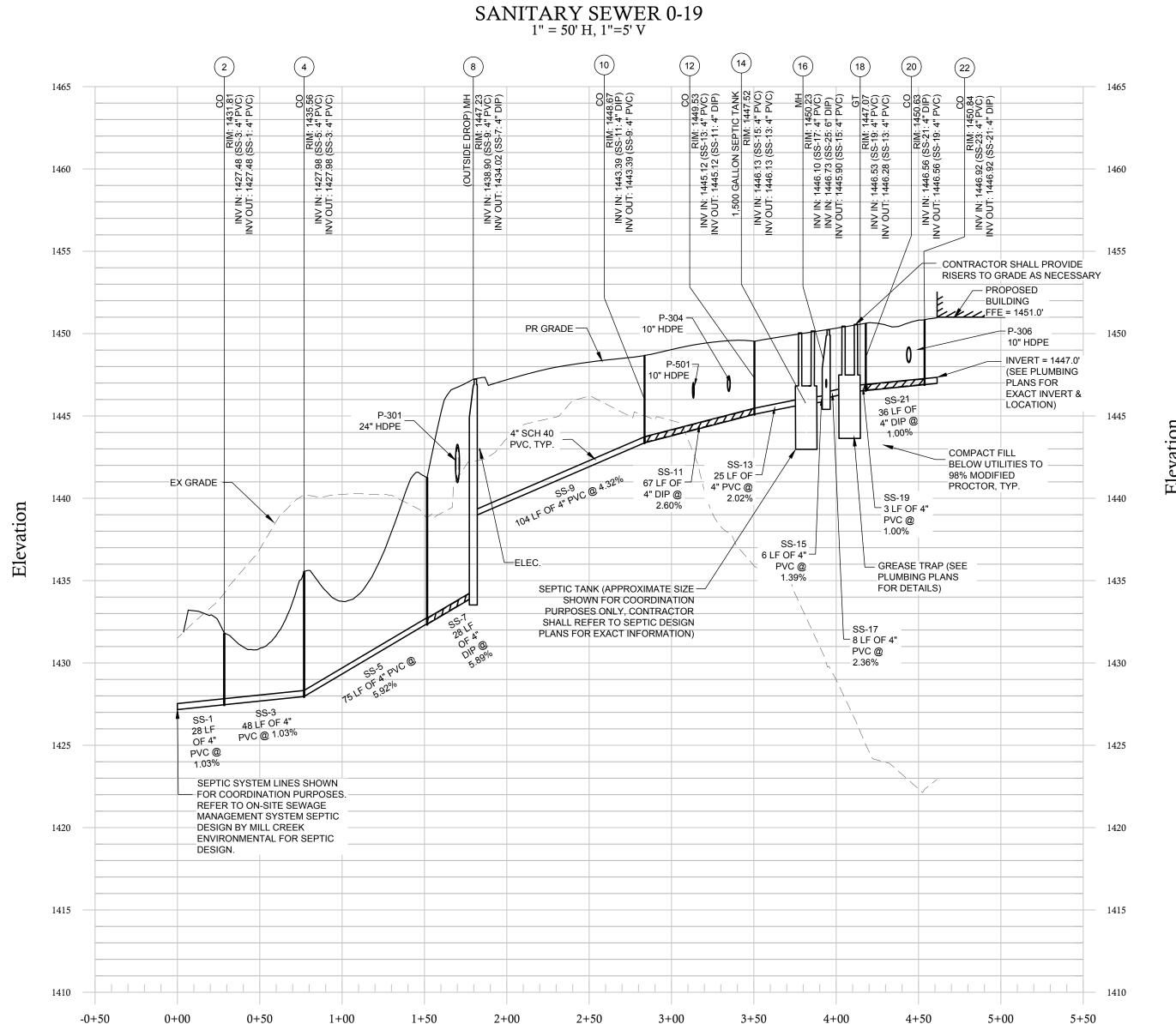
PIPE LENGTHS REFLECT THE PIPES LINEAR LENGTH AND ARE SHOWN FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE.

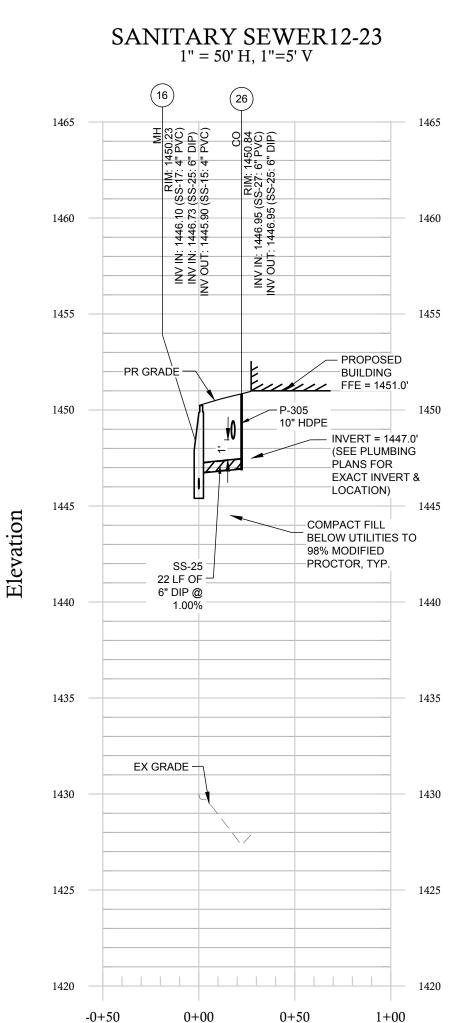
2) EXISTING UTILITY DEPTHS ARE APPROXIMATED BASED ON 4 FT COVER FROM THE EXISTING GROUND SURFACE. PROPOSED UTILITY DEPTHS ARE BASED ON 4 FT OF COVER FROM THE PROPOSED GROUND SURFACE. CONTRACTOR SHALL FIELD VERIFY ALL UTILITY DEPTHS AT CROSSING AND CONTACT ENGINEER IMMEDIATELY IF CONFLICTS ARE

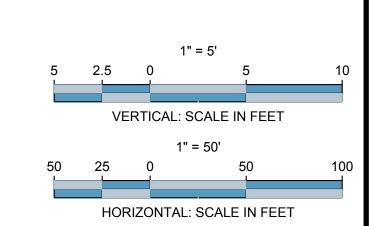
CONTRACTOR TO FIELD VERIFY EXISTING ELEVATIONS OF UTILITIES IN RIGHT OF WAY TO AVOID CONFLICTS. CONTACT ENGINEER IMMEDIATELY IF FIELD ELEVATIONS DIFFER FROM

) MAINTAIN MINIMUM 2' OF COVER OVER METAL AND PLASTIC PIPES DURING CONSTRUCTION ACTIVITIES.

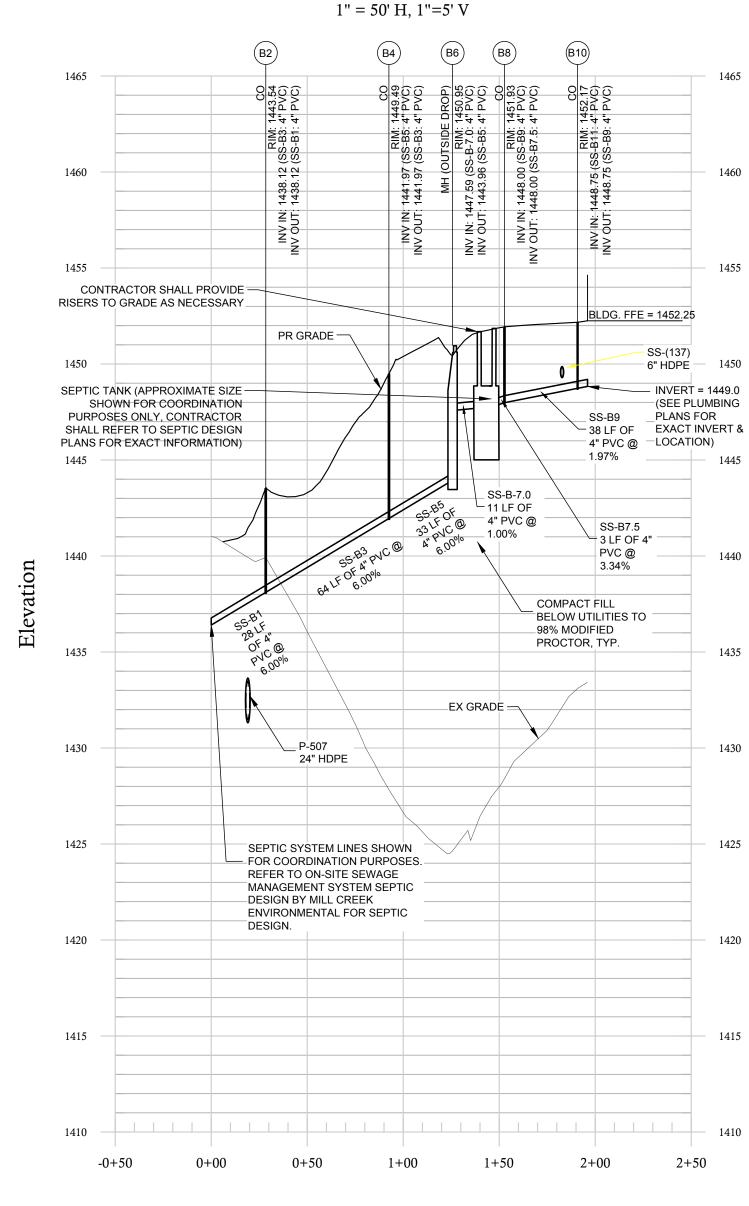
CONTRACTOR SHALL PROVIDE WATER AND SEWER ASBUILT SURVEY A MINIMUM OF 8 WEEKS PRIOR TO CERTIFICATE OF OCCUPANCY.







SANITARY LINE B (PAVILION)



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SANITARY SEWER PROFILES

SHEET NUMBER

C-3.1



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EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLANS (ESPCP) FOR:

DAWSON COUNTY SENIOR CENTER EXPANSION

IN ACCORDANCE WITH GEORGIA NPDES PERMIT GAR #100001 201 RECREATION RD

DAWSONVILLE, GA 30534 **ESPCP SHEET INDEX**

SITE DETAILS:

2) TOTAL AREA OF THE SITE = 7.5 ACRES

CURVE NUMBER, EXISTING CONDITION = 66 CURVE NUMBER. DEVELOPED CONDITION = 72

NUMBER 13085C0103C DATED 2018-04-04

ACCESSIBLE LOCATION

BY THE ENGINEER.

OF THE CONTRACTOR.

PREPARED BY:

Foresite Group, Inc.

Norcross, GA 30092

Suite 240

5185 Peachtree Pkwy.

ARE SHOWN ON THE LOCATION MAP (THIS SHEET)

- **EROSION, SEDIMENTATION, & POLLUTION CONTROL COVER**
- C-4.1 EROSION, SEDIMENTATION, & POLLUTION CONTROL NOTES
- C-4.2 EROSION, SEDIMENTATION, & POLLUTION CONTROL NOTES
- C-4.3 INITIAL EROSION, SEDIMENTATION, & POLLUTION CONTROL PLAN
- INTERMEDIATE EROSION, SEDIMENTATION, & POLLUTION CONTROL PLAN
- C-4.5 FINAL EROSION, SEDIMENTATION, & POLLUTION CONTROL PLAN

THE PROPOSED SITE IMPROVEMENTS INCLUDE A NEW SENIOR CENTER AND ASSOCIATED

THERE ARE ARE NO KNOWN STATE WATERS PRESENT ON SITE. THERE ARE NO KNOWN STATE WATERS

WITHIN 200 FEET OF THE SITE. APPROXIMATE LOCATION OF OFF-SITE WATERS AND RECEIVING WATER

THERE ARE NO KNOWN WETLANDS ON THE SITE. ALL WETLANDS DELINEATED ARE SHOWN IN THIS

7) NO PORTION OF THE SUBJECT PROPERTY LIES WITHIN A 100 YEAR FLOOD HAZARD AREA PER FIRM MAP

A COPY OF THIS APPROVED PLAN MUST BE RETAINED ON-SITE OR AT A READILY

THIS PLAN SHALL BE AMENDED WHEN A CHANGE IN DESIGN, CONSTRUCTION, OPERATION, OR MAINTENANCE HAS A SIGNIFICANT EFFECT ON BMP'S WITH A

HYDRAULIC COMPONENT (INCLUDING SpB, Sd2, Sd3, Sd4, Rt, Ss, Rd, AND OTHER MEASURES IN CONCENTRATED FLOW AREAS). SUCH AMENDMENTS MUST BE CERTIFIED

CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY UPON START OF CONSTRUCTION

IN ORDER FOR ENGINEER TO SCHEDULE THE INITIAL 7 DAY EROSION CONTROL

INSPECTION. THE CONTRACTOR SHALL VERIFY THAT ALL EXISTING INITIAL BMP'S ARE

INSTALLED PROPERLY. ALL COMPENSATION FOR DESIGN ENGINEER'S REINSPECTION TO

VERIFY THAT THE INITIAL BMP'S ARE PROPERLY INSTALLED WILL BE THE RESPONSIBILITY

INFRASTRUCTURE INCLUDING A PARKING LOT, DETENTION FACILITY, AND UTILITIES

- C-4.6 EROSION, SEDIMENTATION, & POLLUTION CONTROL DETAILS
- C-4.7 EROSION, SEDIMENTATION, & POLLUTION CONTROL DETAILS
- C-4.8 EROSION, SEDIMENTATION, & POLLUTION CONTROL DETAILS C-4.9 EROSION, SEDIMENTATION, & POLLUTION CONTROL DETAILS

SITE DISTURBED AREA = 7.5 AC

JOSEPH LN

VICINITY MAP, SCALE: 1" = 500'

PHASE-I WATER SAMPLING LOCATION SCHEDULE									
NITORING SITE	TYPE OF SITE (SEE KEY)	TOTAL AR	BASIN	ON-SITE BASIN AREA	RECOMMENDED FOR MONITORING	RECEIVING WATER NAME	IMPAIRED?	NTU LIMIT FROM PERMIT	COLD WATER?
		ACKLS	JQ. IVII.	ACKLO		LININ IN LANCED TRUBLITARY OF BUILDI			
MS-A	OF	10.09	0.016	10.09	YES	UNNNAMED TRIBUTARY OF BURT CREEK	NO	75	NO

CITY/STATE/ZIF

CITY/STATE/ZIF

** O.C.G.A. Sec. 12-7-6 STATES "A discharge of STORMWATER runoff from disturbed areas where best management practices have not been properly designed, installed, and maintained shall constitute a separate violation of any land-disturbing permit issued by a local issuing authority or of any state general permit issued by the division pursuant to subsection (f) of Code Section 12-5-30 for each day on which such discharge results in the turbidity of receiving waters being increased by more than 25 nephelometric turbidity units for waters supporting warm water fisheries or by more than ten nephelometric turbidity units for waters classified as trout waters

*** Impaired indicates the site discharges into, or is within one mile upstream of and within the same watershed, as a portion of an impaired stream segment for the criteria voildated "Bio F" (Impaired Fish Community) and/or "Bio M" (Impaired Macrovertebrate Community), within Category 4a, 4b, or 5, and the potential cause is either "NP" (nonpoint source) or "UR" (urban runoff) on the latest published impaired streams list maintained by the Georgia Environmental Protection Division.

- RW-D: RECEIVING WATER- DOWNSTREAM OF SITE
- * THESE SITES ARE NOT RECOMMENDED FOR THE FOLLOWING REASONS:
- <MS-C: FLOWS IN THIS CHANNEL AREA NOT ADEQUATELY CONCENTRATED TO SAMPLE.>

COMPANY

COMPANY

LEVEL IA CERTIFICATION NO.

LEVEL IA CERTIFICATION NO.



Know what's **below**. **Call** before you dig.

ADDRESS

SIGNATURE

ADDRESS

SIGNATURE

SECONDARY PERMITTEES A COMPLETE LIST OF SECONDARY PERMITTEES AND CONTACT INFORMATION SHOULD BE MAINTAINED IN THE SPACE BELOW, AND A COPY OF THE PLAN (AND ANY SUBSEQUENT REVISIONS TO THE PLAN) SHALL BE PROVIDED TO EACH SECONDARY PERMITTEE. EACH SECONDARY PERMITTEE SHALL SIGN A WRITTEN ACKNOWLEDGEMENT OF RECEIPT IN THE SPACE BELOW. THE RECORD OF ACKNOWLEDGEMENTS MUST REMAIN IN THE ON-SITE RECORDS. ADDRESS LEVEL IA CERTIFICATION NO. SIGNATURE

EROSION, SEDIMENTATION, & **POLLUTION CONTROL COVER**

DESIGN PROFESSIONAL CERTIFICATION 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 STATE 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 THE BEST MANAGEMENT PRACTICES AND SAMPLING METHODS IS EXPECTED TO MEET THE REQUIREMENTS CONTAINED IN THE GENERAL NPDES PERMIT NO.

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.

2019-03-24 CERTIFICATION #

OWNER CERTIFICATION

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

EXPIRATION

IMPRISONMENT FOR KNOWING VIOLATIONS

INSTALL SEDIMENT CONTROLS DEMOLITION CLEARING, GRUBBING & GRADING GRASS TEME BUILDING CONSTRUCTION MAINTAIN EROSION CONTROL FINAL LANDSCAPING

DISPOSITION OF TEMP.

SEDIMENT CONTROLS

ANTICIPATED ACTIVITY SCHEDULE

2.0 | 4.0 | 6.0 | 8.0 | 10.0 | 12.0

BEGIN CONSTRUCTION: 04/01/2019

END CONSTRUCTION: 04/01/2020

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> **DAWSON** COUNTY **SENIOR CENTER** AND PAVILION

PROFESSIONAL

201 RECREATION RD DAWSONVILLE, GA 30534

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2019-03-08 GRANT REVIEW DOCUMENTS

Print Record

2019-01-14 SCHEMATIC DESIGN PACKAGE 2019-02-04 BID PACKAGE

Revisions

10.	Date	Description

RELEASED FOR CONSTRUCTION

PROJECT NUMBER

ISSUED: MARCH 28, 2018

24 HR CONTACT:

DAVID MCGHEE

(706) 344-3501

w | www.fg-inc.net

o | 770.368.1399 **f** | 770.368.1944

121.029

SIGNATURE OF OWNER

GENERAL EROSION CONTROL NOTES:

- THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION CONTROL MEASURES AND PRACTICES PRIOR TO ALL LAND DISTURBING ACTIVITIES THROUGHOUT THE ENTIRE PROJECT
- EROSION AND SEDIMENT 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
- ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.
- A COPY OF THE APPROVED LAND DISTURBANCE PLAN AND PERMIT SHALL BE PRESENT ON THE SITE WHENEVER LAND DISTURBANCE ACTIVITY IS IN
- THE CONTRACTOR IS RESPONSIBLE FOR THE MAINTENANCE OF ALL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES AND BEST MANAGEMENT PRACTICES. WHETHER TEMPORARY OR PERMANENT.
- EROSION CONTROL DEVICES THAT ARE INSTALLED AS DIRECTED BY AN INSPECTOR BUT NOT SHOWN ON THE APPROVED PLAN ARE THE
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN QUALIFIED PROFESSIONAL ADVICE WHEN QUESTIONS ARISE CONCERNING TIMING, DESIGN AND EFFECTIVENESS OF EROSION CONTROL DEVICES. 24 HR CONTACT: DAVID MCGHEE (706) 344-3501.
- 8) ALL SLOPES STEEPER THAN 2.5:1 WITH A HEIGHT OF TEN FEET OR GREATER SHALL STABILIZED WITH THE APPROPRIATE EROSION CONTROL MATTING
- THE CONTRACTOR SHALL STOCKPILE AND REUSE TOPSOIL TO DRESS FINAL GRADES. CONFIRM THE STOCKPILE LOCATION WITH THE OWNER PRIOR TO COMMENCEMENT OF CONSTRUCTION. SEE GRADING AND DRAINAGE PLANS FOR NOTES REGARDING EXCESS TOPSOIL AND OTHER UNCLASSIFIED
- 10) THE CONTRACTOR IS RESPONSIBLE FOR THE CLEANING OUT OF ANY ACCUMULATED SILT IN THE STORM DRAINAGE PIPES AT END OF CONSTRUCTION WHEN DISTURBED AREAS HAVE BEEN STABILIZED.
- 1) CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING EROSION CONTROL MEASURES UNTIL THE ENTIRE PROJECT HAS UNDERGONE FINAL STABILIZATION AND ALL CONSTRUCTION HAS BEEN COMPLETED.
- 12) RED LINE COMMENTS ON WORKING SETS OF PLANS SHOULD BE MAINTAINED ON SITE FOR ANY CHANGES MADE TO EROSION CONTROL PLAN. COMMENTS SHOULD INCLUDE DATE AND JUSTIFICATION FOR CHANGES.
- 13) OFF SITE VEHICLE TRACKING OF DIRT, SOILS, AND SEDIMENTS AND THE GENERATION OF DUST SHALL BE MINIMIZED OR ELIMINATED TO THE MAXIMUM EXTENT PRACTICAL. DUST CONTROL MEASURES MAY CONSIST OF APPLICATION OF MULCHES, VEGETATIVE COVER, SPRAY-ON ADHESIVES, CALCIUM CHLORIDE: THE USE OF IRRIGATION: AND/OR THE CONSTRUCTION OF BARRIERS TO PROTECT FROM WIND OR SCREEN AIRBORNE PARTICULATES.
- 14) IF THE ACTION OF VEHICLES TRAVELING OVER THE GRAVEL CONSTRUCTION EXIT PAD DOES NOT SUFFICIENTLY REMOVE MUD FROM VEHICLE TIRES, HE TIRES SHOULD BE WASHED BEFORE LEAVING THE PROJECT SITE. WHEN WASHING IS REQUIRED. IT SHALL BE DONE ON THE CONSTRUCTION PAD OR OTHER AREA STABILIZED WITH CRUSHED STONE. ALL RUNOFF FROM WASHING AREAS BUST BE DIRECTED TO A SEDIMENT TRAP OR SEDIMENT BASIN INCLUDED IN THESE PLANS.

STREAMS AND WETLANDS

- NO CONSTRUCTION ACTIVITY SHALL BE CONDUCTED WITHIN THE BANKS OF STREAMS OR WITHIN A WETLAND AREA EXCEPT UPON RECEIPT OF AUTHORIZATION FOR SUCH ACTIVITY FROM THE U.S. ARMY CORPS OF ENGINEERS.
- EXCEPT AS PROVIDED IN NO. 4 BELOW, NO CONSTRUCTION ACTIVITIES SHALL BE CONDUCTED WITHIN A 25 FOOT BUFFER ALONG THE BANKS OF ALL ITATE WATERS, AS MEASURED HORIZONTALLY FROM THE POINT WHERE VEGETATION HAS BEEN WRESTED BY NORMAL STREAM FLOW OR WAVE ACTION, EXCEPT WHERE THE DIRECTOR HAS DETERMINED TO ALLOW A VARIANCE THAT IS AT LEAST AS PROTECTIVE OF NATURAL RESOLUCES AND THE ENVIRONMENT IN ACCORDANCE WITH THE PROVISIONS OF O.C.G.A. 12-7-6, OR WHERE A DRAINAGE STRUCTURE OR A ROADWAY DRAINAGE STRUCTURE MUS BE CONSTRUCTED, PROVIDED THAT ADEQUATE EROSION CONTROL MEASURES ARE INCORPORATED IN THE PROJECT PLANS AND SPECIFICATIONS AND ARE MPLEMENTED, OR ALONG ANY EPHEMERAL STREAM, OR WHERE BULKHEADS AND SEAWALLS MUST BE CONSTRUCTED TO PREVENT THE EROSION OF THE SHORELINE ON LAKE OCONEE AND LAKE SINCLAIR .. THE BUFFER SHALL NOT APPLY TO THE FOLLOWING ACTIVITIES PROVIDED THAT ADEQUATE EROSION CONTROL MEASURES ARE INCORPORATED INTO THE PROJECT PLANS AND SPECIFICATIONS ARE IMPLEMENTED:.

A) PUBLIC DRINKING WATER SYSTEM RESERVOIRS;

- STREAM CROSSINGS FOR WATER LINES AND SEWER LINES, PROVIDED THAT THE STREAM CROSSINGS OCCUR AT AN ANGLE, AS MEASURED FROM THE POINT OF CROSSING, WITHIN 25 DEGREES OF PERPENDICULAR TO THE STREAM AND CAUSE A WIDTH OF DISTURBANCE OF NOT MORE THAN 50 FEET WITHIN THE BUFFER, AND NATIVE RIPARIAN VEGETATION IS RE-ESTABLISHED IN ANY BARE OR DISTURBED AREAS WITHIN THE BUFFER;
- STREAM CROSSINGS FOR ANY UTILITY LINES OF ANY FLECTRIC MEMBERSHIP CORPORATION OR MUNICIPAL FLECTRICAL SYSTEM OR ANY PUBLIC UTILITY UNDER THE REGULATORY JURISDICTION OF THE PUBLIC SERVICE COMMISSION. ANY UTILITY UNDER THE REGULATORY JURISDICTION OF THE FEDERAL ENERGY REGULATORY COMMISSION. ANY CABLE TELEVISION SYSTEM AS DEFINED IN CODE SECTION 36-18-1. OR ANY AGENCY OR INSTRUMENTALITY OF THE UNITED STATES ENGAGED IN THE GENERATION, TRANSMISSION OR DISTRIBUTION OF POWER, PROVIDED THAT: (A) THE STREAM CROSSINGS OCCUR AT AN ANGLE AS MEASURED FROM THE POINT OF CROSSING. WITHIN 25 DEGREES OF PERPENDICULAR TO THE STREAM AND CAUSE A WIDTH OF DISTURBANCE OF NOT MORE THAN 50 FEET WITHIN THE BUFFER. (B) NATIVE RIPARIAN VEGETATION IS RE-ESTABLISHED IN ANY BARE OR DISTURBED AREAS WITHIN THE BUFFER AND (C) THE ENTITY IS NOT A SECONDARY PERMITTEE FOR A PROJECT LOCATED WITHIN A COMMON DEVELOPMENT OR SALE UNDER THIS PERMIT;
- BUFFER CROSSING FOR FENCES, PROVIDED THAT THE CROSSINGS OCCUR AT AN ANGLE, AS MEASURED FROM THE POINT OF CROSSING, WITHIN 25 DEGREES OF PERPENDICULAR TO THE STREAM AND CAUSE A WIDTH OF DISTURBANCE OF NOT MORE THAN 50 FEET WITHIN THE BUFFER, AND NATIVE RIPARIAN VEGETATION IS RE-ESTABLISHED IN ANY BARE OR DISTURBED AREAS WITHIN THE BUFFER;
- STREAM CROSSINGS FOR AFRIAL LITH ITYLINES, PROVIDED THAT: (A) THE NEW LITH ITYLINE RIGHT-OF-WAY WIDTH DOES NOT EXCEED 100 LINEAL FEET. (B) UTILITY LINES ARE ROUTED AND CONSTRUCTED SO AS TO MINIMIZE THE NUMBER OF STREAM CROSSINGS AND DISTURBANCES TO THE BUFFER, (C) ONLY TREES AND TREE DEBRIS ARE REMOVED FROM WITHIN THE BUFFER RESULTING IN ONLY MINOR SOIL EROSION (I.E., DISTURBANCE TO LINDERLYING VEGETATION IS MINIMIZED). AND (D) NATIVE RIPARIAN VEGETATION IS RE-ESTABLISHED IN ANY BARE OR DISTURBED AREAS WITHIN THE BUFFER. THE PLAN SHALL INCLUDE A DESCRIPTION OF THE STREAM CROSSINGS WITH DETAILS OF THE BUFFER DISTURBANCE INCLUDING AREA AND LENGTH OF BUFFER DISTURBANCE, ESTIMATED LENGTH OF TIME OF BUFFER DISTURBANCE, AND JUSTIFICATION;
- UTILITY STRUCTURES WITHIN THE CURRENT RIGHT-OF-WAY UNDERTAKEN OR FINANCED IN WHOLE OR IN PART BY THE DEPARTMENT OF TRANSPORTATION. THE GEORGIA HIGHWAY AUTHORITY OR THE STATE ROAD AND TOLLWAY AUTHORITY OR UNDERTAKEN BY ANY COUNTY OR MUNICIPALITY PROVIDED THAT (A) THE AREA OF LAND DISTURBANCE DOES NOT EXCEED 100 SQUARE FEET PER STRUCTURE (B) THE AREA OF BUFFER VEGETATION TO BE CUT (NOT GRUBBED) DOES NOT EXCEED 1.000 SQUARE FEET PER STRUCTURE. (C) NATIVE RIPARIAN VEGETATION IS RE-ESTABLISHED IN ANY BARE OR DISTURBED AREAS WITHIN THE BUFFER AND (D) THE ENTITY IS NOT A SECONDARY PERMITTEE FOR A PROJECT LOCATED WITHIN A COMMON DEVELOPMENT OR SALE UNDER THIS PERMIT
- RIGHT-OF-WAY POSTS, GUY-WIRES, ANCHORS, SURVEY MARKERS AND THE REPLACEMENT AND MAINTENANCE OF EXISTING UTILITY STRUCTURES WITHIN THE CURRENT RIGHT-OF-WAY BY ANY ELECTRIC MEMBERSHIP CORPORATION OR MUNICIPAL ELECTRICAL SYSTEM OR ANY PUBLIC UTILITY UNDER THE REGULATORY JURISDICTION OF THE PUBLIC SERVICE COMMISSION, ANY UTILITY UNDER THE REGULATORY JURISDICTION OF THE FEDERAL ENERGY REGULATORY COMMISSION. ANY CABLE TELEVISION SYSTEM AS DEFINED IN CODE SECTION 36-18-1. OR ANY AGENCY OR INSTRUMENTALITY OF THE UNITED STATES ENGAGED IN THE GENERATION. TRANSMISSION OR DISTRIBUTION OF POWER. PROVIDED THAT: (A) THE AREA OF LAND DISTURBANCE DOES NOT EXCEED 100 SQUARE FEET PER STRUCTURE, (B) THE AREA OF BUFFER VEGETATION TO BE CUT (NOT GRUBBED) DOES NOT EXCEED 1,000 SQUARE FEET PER STRUCTURE, (C) NATIVE RIPARIAN VEGETATION IS RE-ESTABLISHED IN ANY BARE OR DISTURBED AREAS WITHIN THE BUFFER AND (D) THE ENTITY IS NOT A SECONDARY PERMITTEE FOR A PROJECT LOCATED WITHIN A COMMON DEVELOPMENT OR SALE UNDER THIS PERMIT: AND
- MAINTENANCE (EXCLUDING DREDGING), REPAIR AND/OR UPGRADE OF SOIL AND WATER CONSERVATION DISTRICT WATERSHED DAMS WHEN UNDER THE TECHNICAL SUPERVISION OF THE USDA NATURAL RESOURCES CONSERVATION SERVICE.
- NO CONSTRUCTION ACTIVITIES SHALL BE CONDUCTED WITHIN A 50 FOOT BUFFER. AS MEASURED HORIZONTALLY FROM THE POINT WHERE VEGETATION AS BEEN WRESTED BY NORMAL STREAM FLOW OR WAVE ACTION, ALONG THE BANKS OF ANY STATE WATERS CLASSIFIED AS "TROUT STREAMS" EXCEPT WHEN APPROVAL IS GRANTED BY THE DIRECTOR OF EPD FOR ALTERNATE BLIFFER REQUIREMENTS IN ACCORDANCE WITH THE PROVISIONS OF O.C.G.A. 12-7-6. OR WHERE A ROADWAY DRAINAGE STRUCTURE MUST BE CONSTRUCTED: PROVIDED. HOWEVER. THAT SMALL SPRINGS AND STREAMS CLASSIFIED AS TROUT STREAMS" WHICH DISCHARGE AN AVERAGE ANNUAL FLOW OF 25 GALLONS PER MINUTE OR LESS SHALL HAVE A 25 FOOT BUFFER OR THEY MAY BE PIPED. AT THE DISCRETION OF THE PERMITTEE. PURSUANT TO THE TERMS OF A RULE PROVIDING FOR A GENERAL VARIANCE PROMULGATED BY THE BOARD. OF NATURAL RESOURCES INCLUDING NOTIFICATION OF SUCH TO EPD AND THE LOCAL ISSUING AUTHORITY OF THE LOCATION AND EXTENT OF THE PIPING AND PRESCRIBED METHODOLOGY FOR MINIMIZING THE IMPACT OF SUCH PIPING SHORT OF THE DOWNSTREAM PERMITTEE'S PROPERTY. AND THE PERMITTEE MUST COMPLY WITH THE BUFFER REQUIREMENT FOR ANY ADJACENT TROUT STREAMS. THE BUFFER SHALL NOT APPLY TO ACTIVITIES LISTED IN 2.a HROUGH 2.h PROVIDED THAT ADEQUATE EROSION CONTROL MEASURES ARE INCORPORATED INTO THE PROJECT PLANS AND SPECIFICATIONS
- EXCEPT AS PROVIDED ABOVE, FOR BUFFERS REQUIRED PURSUANT TO NO. 2. AND 3. NO CONSTRUCTION ACTIVITIES SHALL BE CONDUCTED WITHIN A BUFFER AND A BUFFER SHALL REMAIN IN ITS NATURAL. UNDISTURBED. STATE OF VEGETATION UNTIL ALL LAND DISTURBING ACTIVITIES ON THE CONSTRUCTION SITE ARE COMPLETED. DURING COVERAGE UNDER THE NPDES PERMIT, A BUFFER CANNOT BE THINNED OR TRIMMED OF VEGETATION AND A PROTECTIVE VEGETATIVE COVER MUST REMAIN TO PROTECT WATER QUALITY AND AQUATIC HABITAT AND A NATURAL CANOPY MUST BE LEFT IN SUFFICIENT QUANTITY TO KEEP SHADE ON THE STREAM BED

POST-CONSTRUCTION STORMWATER BMP'S (PART IV.D.3.b)

-) STORMWATER RUNOFF IS CAPTURED WITHIN THE PROPOSED CLOSED CONDUIT SYSTEM THAT DRAINS SOUTH TO THE REAR OF THE PROPERTY WHERE SITE WILL BE SERVED BY A PROPOSED ABOVE GROUND DETENTION POND WITH SEDIMENT FOREBAY . OFFISTE STORMWATER RUNOFF FROM THE NORHTWEST IS ROUTED AROUND THE PROJECT SITE AND BYPASSES THE ABOVE GROUND DETENTION POND WITH SEDIMENT FOREBAY SERVING THE SITE.
-) THE POND DISCHARGES TO THE SOUTH THROUGH A ENERGY DISSIPATING HEADWALL WITH RIP-RAP OUTLET PROTECTION. NOTE RIP-RAP TO BE MAINTAINED AFTER CONSTRUCTION.

BMP MAINTENANCE (PART IV.D.5)

- 1) THE CONTRACTOR SHALL TAKE IMMEDIATE ACTION UPON DISCOVERY OF ANY DEFICIENCIES IN EROSION CONTROL BEST MANAGEMENT PRACTICES, WHETHER OR NOT IT IS INCLUDED IN AN INSPECTION REPORT
- 2) ALL STRUCTURAL EROSION AND SEDIMENT CONTROL MEASURES MUST BE CLEANED OUT OR RECONSTRUCTED WHEN SEDIMENT VOLUMES EXCEED 1/3 OF THE STORAGE CAPACITY OF THE MEASURE.
- 3) ALL SILT FENCE STORAGE SHALL BE CLEANED OUT OR RECONSTRUCTED WHEN SEDIMENT VOLUMES EXCEED 1/2 OF THE HEIGHT OF THE SILT
- 4) SEDIMENT CLEANED OUT FROM STORAGE DEVICES AND SILT FENCE SHOULD BE SPREAD IN UPLAND AREAS, MIXED WITH TOPSOIL, AND MULCHED OR SEEDED IMMEDIATELY. DO NOT SPOIL IN AREAS WHERE STRUCTURAL FILLS ARE REQUIRED (SUCH AS PAVEMENT, BUILDING FOOTPRINTS, ETC.)
- 5) WHERE THE INITIATION OF STABILIZATION MEASURES BY THE 14TH DAY AFTER CONSTRUCTION ACTIVITY TEMPORARILY OR PERMANENTLY CEASE IS PRECLUDED BY SNOW COVER OR OTHER ADVERSE WEATHER CONDITIONS, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE. 6) WHERE CONSTRUCTION ACTIVITY WILL RESUME ON A PORTION OF THE SITE WITHIN 21 DAYS FROM WHEN ACTIVITIES CEASED, (E.G., THE TOTAL TIME

PERIOD THAT THE CONSTRUCTION ACTIVITY IS TEMPORARILY CEASED LESS THAN 21 DAYS) THEN STABILIZATION MEASURES DO NOT HAVE TO BE

INITIATED ON THAT PORTION OF THE SITE BY THE 14TH DAY AFTER CONSTRUCTION ACTIVITY TEMPORARILY CEASED. 7) REAPPLICATION OF VEGETATIVE BMPS MAY BE REQUIRED TO ACHIEVE FULL COVERAGE. REFER TO VEGETATIVE BMP NOTES AND DETAILS FOR INSTALLATION AND MAINTENANCE OF VEGETATIVE BMP'S.

INSPECTIONS (PART IV.D.4)

- IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO MAKE SURE THAT INSPECTIONS ARE BEING PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THIS PERMIT NOTED BELOW.
- 2) EACH DAY WHEN ANY TYPE OF CONSTRUCTION ACTIVITY HAS TAKEN PLACE AT A PRIMARY PERMITTEE'S SITE, CERTIFIED PERSONNEL PROVIDED BY THE PRIMARY PERMITTEE SHALL INSPECT: (A) ALL AREAS AT THE PRIMARY PERMITTEE'S SITE WHERE PETROLEUM PRODUCTS ARE STORED, USED, OR HANDLED FOR SPILLS AND LEAKS FROM VEHICLES AND EQUIPMENT AND (B) ALL LOCATIONS AT THE PRIMARY PERMITTEE'S SITE WHERE VEHICLES ENTER OR EXIT THE SITE FOR EVIDENCE OF OFF-SITE SEDIMENT TRACKING. THESE INSPECTIONS MUST BE CONDUCTED UNTIL A NOTICE OF TERMINATION IS SUBMITTED.
- 3) MEASURE RAINFALL ONCE EVERY 24 HOURS EXCEPT ANY NON-WORKING SATURDAY, NON-WORKING SUNDAY AND NON-WORKING FEDERAL HOLIDAY UNTIL A NOTICE OF TERMINATION IS SUBMITTED. MEASUREMENT OF RAINFALL MAY BE SUSPENDED IF ALL AREAS OF THE SITE HAVE UNDERGONE FINAL STABILIZATION OR ESTABLISHED A CROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET PERENNIALS APPROPRIATE FOR THE REGION.
- 4) CERTIFIED PERSONNEL (PROVIDED BY THE PRIMARY PERMITTEE) SHALL INSPECT THE FOLLOWING AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.5 INCHES RAINFALL OR GREATER (UNLESS SUCH STORM ENDS AFTER 5:00 PM ON ANY FRIDAY OR ON ANY NON-WORKING SATURDAY NON-WORKING SUNDAY OR ANY NON-WORKING FEDERAL HOLIDAY IN WHICH CASE THE INSPECTION SHALL BE COMPLETED BY THE END OF THE NEXT BUSINESS DAY AND/OR WORKING DAY, WHICHEVER OCCURS FIRST); (A) DISTURBED AREAS OF THE PRIMARY PERMITTEE'S CONSTRUCTION SITE: (B) AREAS USED BY THE PRIMARY PERMITTEE FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION: AND (C) STRUCTURAL CONTROL MEASURES, EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN APPLICABLE TO THE PRIMARY PERMITTEE'S SITE SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. WHERE DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE, THEY SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATER(S). FOR AREAS OF A SITE THAT HAVE UNDERGONE FINAL STABILIZATION OR ESTABLISHED A CROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET PERENNIALS APPROPRIATE FOR THE REGION, THE PERMITTEE MUST COMPLY WITH PART IV.D. 4.A.(4). THESE INSPECTIONS MUST BE CONDUCTED UNTIL A NOTICE OF TERMINATION IS SUBMITTED.
- 5) CERTIFIED PERSONNEL (PROVIDED BY THE PRIMARY PERMITTEE) SHALL INSPECT AT LEAST ONCE PER MONTH DURING THE TERM OF THIS PERMIT (I.E. LINTIL A NOTICE OF TERMINATION IS RECEIVED BY EPD) THE AREAS OF THE SITE THAT HAVE LINDERGONE FINAL STABILIZATION OR ESTABLISHED A CROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET PERENNIALS APPROPRIATE FOR THE REGION. THESE AREAS SHALL BE INSPECTED FOR EVIDENCE OF OR THE POTENTIAL FOR POLLUTANTS ENTERING THE DRAINAGE SYSTEM AND THE RECEIVING WATER(S). FROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. WHERE DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE, THEY SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATER(S).
- BASED ON THE RESULTS OF EACH INSPECTION, THE SITE DESCRIPTION AND THE POLLUTION PREVENTION AND CONTROL MEASURES IDENTIFIED IN THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN, THE PLAN SHALL BE REVISED AS APPROPRIATE NOT LATER THAN SEVEN (7) CALENDAR DAYS FOLLOWING EACH INSPECTION. IMPLEMENTATION OF SUCH CHANGES SHALL BE MADE AS SOON AS PRACTICAL BUT IN NO CASE LATER THAN SEVEN (7) CALENDAR DAYS FOLLOWING EACH INSPECTION.

SAMPLING REQUIREMENTS (PART IV.D.6):

THIS PERMIT REQUIRES THE MONITORING OF NEPHELOMETRIC TURBIDITY IN RECEIVING WATER(S) OR OUTFALLS IN ACCORDANCE WITH THIS PERMIT. THIS PARAGRAPH SHALL NOT APPLY TO ANY LAND DISTURBANCE ASSOCIATED WITH THE CONSTRUCTION OF SINGLE-FAMILY HOMES WHICH ARE NOT PART OF A SUBDIVISION OR PLANNED COMMON DEVELOPMENT UNLESS FIVE (5) ACRES OR MORE WILL BE DISTURBED. THE FOLLOWING PROCEDURES CONSTITUTE EPD'S GUIDELINES FOR SAMPLING TURBIDITY.

- ALL SAMPLING SHALL BE COLLECTED BY "GRAB SAMPLES" AND THE ANALYSIS OF THESE SAMPLES MUST BE CONDUCTED IN ACCORDANCE WITH METHODOLOGY AND TEST PROCEDURES ESTABLISHED BY 40 CFR PART 136 (UNLESS OTHER TEST PROCEDURES HAVE BEEN APPROVED); THE GUIDANCE DOCUMENT TITLED "NPDES STORM WATER SAMPLING GUIDANCE DOCUMENT, EPA 833-8-92-001" AND GUIDANCE DOCUMENTS THAT MAY BE PREPARED BY
- A) SAMPLE CONTAINERS SHOULD BE LABELED PRIOR TO COLLECTING THE SAMPLES.
- B) SAMPLES SHOULD BE WELL MIXED BEFORE TRANSFERRING TO A SECONDARY CONTAINER.
- C) LARGE MOUTH, WELL CLEANED AND RINSED GLASS OR PLASTIC JARS SHOULD BE USED FOR COLLECTING SAMPLES. THE JARS SHOULD BE CLEANED THOROUGHLY TO AVOID CONTAMINATION. MANUAL, AUTOMATIC OR RISING STAGE SAMPLING MAY BE UTILIZED. SAMPLES REQUIRED BY THIS PERMIT SHOULD BE ANALYZED IMMEDIATELY
- BUT IN NO CASE LATER THAN 48 HOURS AFTER COLLECTION. HOWEVER, SAMPLES FROM AUTOMATIC SAMPLERS MUST BE COLLECTED NO LATER THAN THE NEXT BUSINESS DAY AFTER THEIR ACCUMULATION. UNLESS FLOW THROUGH AUTOMATED ANALYSIS IS UTILIZED. IF AUTOMATIC SAMPLING IS LITH IZED AND THE AUTOMATIC SAMPLER IS NOT ACTIVATED DURING THE QUALIFYING EVENT, THE PERMITTEE MUST UTILIZE MANUAL SAMPLING OR RISING STAGE SAMPLING DURING THE NEXT QUALIFYING EVENT. DILUTION OF SAMPLES IS NOT REQUIRED. SAMPLES MAY BE ANALYZED DIRECTLY WITH A PROPERLY CALIBRATED TURBIDIMETER. SAMPLES ARE NOT REQUIRED TO BE COOLED.
- SAMPLING AND ANALYSIS OF THE RECEIVING WATER(S) OR OUTFALLS BEYOND THE MINIMUM FREQUENCY STATED IN THIS PERMIT MUST BE REPORTED TO EPD AS SPECIFIED IN PART IV.E OF THE NPDES PERMIT.

SAMPLING POINTS:

- 1) FOR CONSTRUCTION ACTIVITIES THE PRIMARY PERMITTEE MUST SAMPLE ALL RECEIVING WATER(S), OR ALL OUTFALL(S), OR A COMBINATION OF RECEIVING WATER(S) AND OUTFALL(S). SAMPLES TAKEN FOR THE PURPOSE OF COMPLIANCE WITH THIS PERMIT SHALL BE REPRESENTATIVE OF THE MONITORED ACTIVITY AND REPRESENTATIVE OF THE WATER QUALITY OF THE RECEIVING WATER(S) AND/OR THE STORM WATER OUTFALLS USING THE FOLLOWING MINIMUM GUIDELINES.
- A) THE UPSTREAM SAMPLE FOR EACH RECEIVING WATER(S) MUST BE TAKEN IMMEDIATELY UPSTREAM OF THE CONFLUENCE OF THE FIRST STORM WATER DISCHARGE FROM THE PERMITTED ACTIVITY (I.E., THE DISCHARGE FARTHEST UPSTREAM AT THE SITE) BUT DOWNSTREAM OF ANY OTHER STORM WATER DISCHARGES NOT ASSOCIATED WITH THE PERMITTED ACTIVITY, WHERE APPROPRIATE, SEVERAL UPSTREAM SAMPLES FROM ACROSS THE RECEIVING WATER(S) MAY NEED TO BE TAKEN AND THE ARITHMETIC AVERAGE OF THE TURBIDITY OF THESE SAMPLES USED FOR THE
- UPSTREAM TURBIDITY VALUE. THE DOWNSTREAM SAMPLE FOR EACH RECEIVING WATER(S) MUST BE TAKEN DOWNSTREAM OF THE CONFLUENCE OF THE LAST STORM WATER DISCHARGE FROM THE PERMITTED ACTIVITY (LE. THE DISCHARGE FARTHEST DOWNSTREAM AT THE SITE) BUT UPSTREAM OF ANY OTHER STORM WATER DISCHARGE NOT ASSOCIATED WITH THE PERMITTED ACTIVITY. WHERE APPROPRIATE, SEVERAL DOWNSTREAM SAMPLES FROM ACROSS THE RECEIVING WATER(S) MAY NEED TO BE TAKEN AND THE ARITHMETIC AVERAGE OF THE TURBIDITY OF THESE SAMPLES USED FOR THE DOWNSTREAM TURBIDITY VALUE
- IDEALLY THE SAMPLES SHOULD BE TAKEN FROM THE HORIZONTAL AND VERTICAL CENTER OF THE RECEIVING WATER(S) OR THE STORM WATER OUTFALL CHANNEL(S)
- CARE SHOULD BE TAKEN TO AVOID STIRRING THE BOTTOM SEDIMENTS IN THE RECEIVING WATER(S) OR IN THE OUTFALL STORM WATER CHANNEL THE SAMPLING CONTAINER SHOULD BE HELD SO THAT THE OPENING FACES UPSTREAM.
- THE SAMPLES SHOULD BE KEPT FREE FROM FLOATING DEBRIS. PERMITTEES DO NOT HAVE TO SAMPLE SHEET FLOW THAT FLOWS ONTO UNDISTURBED NATURAL AREAS OR AREAS STABILIZED BY THE PROJECT FOR PURPOSES OF THIS SECTION, STABILIZED SHALL MEAN, FOR UNPAVED 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 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 AS DEFINED IN THE MANUAL (EXCLUDING A CROP ·OF ANNUAL VEGETATION AND A SEEDING OF TARGET CROP PERENNIALS
- ALL SAMPLING PURSUANT TO THIS PERMIT MUST BE DONE IN SUCH A WAY (INCLUDING GENERALLY ACCEPTED SAMPLING METHODS, LOCATIONS, TIMING. AND FREQUENCY) AS TO ACCURATELY REFLECT WHETHER STORM WATER RUNOFF FROM THE CONSTRUCTION SITE IS IN COMPLIANCE WITH THE STANDARD SET FORTH IN PARTS 111.D.3. OR 111.D.4 . ., WHICHEVER IS APPLICABLE.

SAMPLING FREQUENCY:

APPROPRIATE FOR THE REGION).

- 1) THE PRIMARY PERMITTEE MUST SAMPLE IN ACCORDANCE WITH THE PLAN AT LEAST ONCE FOR EACH RAINFALL EVENT DESCRIBED BELOW. FOR A QUALIFYING EVENT, THE PERMITTEE SHALL SAMPLE AT THE BEGINNING OF ANY STORM WATER DISCHARGE TO A MONITORED RECEIVING WATER AND/OR FROM A MONITORED OUTFALL LOCATION WITHIN IN FORTY-FIVE (45) MINUTES OR AS SOON AS POSSIBLE.
- 2) HOWEVER. WHERE MANUAL AND AUTOMATIC SAMPLING ARE IMPOSSIBLE (AS DEFINED IN THIS PERMIT), OR ARE BEYOND THE PERMITTEE'S CONTROL, THE PERMITTEE SHALL TAKE SAMPLES AS SOON AS POSSIBLE. BUT IN NO CASE MORE THAN TWELVE (12) HOURS AFTER THE BEGINNING OF THE STORM
- 3) SAMPLING BY THE PERMITTEE SHALL OCCUR FOR THE FOLLOWING QUALIFYING EVENTS:
- A) FOR EACH AREA OF THE SITE THAT DISCHARGES TO A RECEIVING WATER OR FROM AN OUTFALL, THE FIRST RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH WITH A STORM WATER DISCHARGE THAT OCCURS DURING NORMAL BUSINESS HOURS AS DEFINED IN THIS PERMIT AFTER ALL CLEARING AND GRUBBING OPERATIONS HAVE BEEN COMPLETED. BUT PRIOR TO COMPLETION OF MASS GRADING OPERATIONS. IN THE DRAINAGE AREA OF THE LOCATION SELECTED AS THE SAMPLING LOCATION;
- IN ADDITION TO (a) ABOVE, FOR EACH AREA OF THE SITE THAT DISCHARGES TO A RECEIVING WATER OR FROM AN OUTFALL, THE FIRST RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH WITH A STORM WATER DISCHARGE THAT OCCURS DURING NORMAL BUSINESS HOURS AS DEFINED IN THIS PERMIT EITHER 90 DAYS AFTER THE FIRST SAMPLING EVENT OR AFTER ALL MASS GRADING OPERATIONS HAVE BEEN COMPLETED, BUT PRIOR TO SUBMITTAL OF A NOT. IN THE DRAINAGE AREA OF THE LOCATION SELECTED AS THE SAMPLING LOCATION, WHICHEVER COMES FIRST;
- AT THE TIME OF SAMPLING PERFORMED PURSUANT TO (a) AND (b) ABOVE, IF BMPS IN ANY AREA OF THE SITE THAT DISCHARGES TO A RECEIVING WATER OR FROM AN OUTFALL ARE NOT PROPERLY DESIGNED, INSTALLED AND MAINTAINED, CORRECTIVE ACTION SHALL BE DEFINED AND IMPLEMENTED WITHIN TWO (2) BUSINESS DAYS, AND TURBIDITY SAMPLES SHALL BE TAKEN FROM DISCHARGES FROM THAT AREA OF THE SITE FOR EACH SUBSEQUENT RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH DURING NORMAL BUSINESS HOURS* UNTIL THE SELECTED TURBIDITY STANDARD IS ATTAINED, OR UNTIL POST-STORM EVENT INSPECTIONS DETERMINE THAT BMPS ARE PROPERLY DESIGNED, INSTALLED AND
- WHERE SAMPLING PURSUANT TO (a), (b) OR (c) ABOVE IS REQUIRED BUT NOT POSSIBLE (OR NOT REQUIRED BECAUSE THERE WAS NO DISCHARGE), THE PERMITTEE, IN ACCORDANCE WITH PART IV.D.4.A.(6), MUST INCLUDE A WRITTEN JUSTIFICATION IN THE INSPECTION REPORT OF WHY SAMPLING WAS NOT PERFORMED. PROVIDING THIS JUSTIFICATION DOES NOT RELIEVE THE PERMITTEE OF ANY SUBSEQUENT SAMPLING OBLIGATIONS UNDER (a), (b) OR (c) ABOVE; AND

- E) EXISTING CONSTRUCTION ACTIVITIES, I.E., THOSE THAT ARE OCCURRING ON OR BEFORE THE EFFECTIVE DATE OF THIS PERMIT, THAT HAVE MET THE SAMPLING REQUIRED BY (a) ABOVE SHALL SAMPLE IN ACCORDANCE WITH (b) . THOSE EXISTING CONSTRUCTION ACTIVITIES THAT HAVE MET
- THE SAMPLING REQUIRED BY (b) ABOVE SHALL NOT BE REQUIRED TO CONDUCT ADDITIONAL SAMPLING OTHER THAN AS REQUIRED BY (c) ABOVE. NOTE THAT THE PERMITTEE MAY CHOOSE TO MEET THE REQUIREMENTS OF (a) AND (b) ABOVE BY COLLECTING TURBIDITY SAMPLES FROM ANY RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH AND ALLOWS FOR SAMPLING AT ANY TIME OF THE DAY OR WEEK.

REPORTING (PART V.E)

- I) THE APPLICABLE PERMITTEES ARE REQUIRED TO SUBMIT THE SAMPLING RESULTS TO THE EPD AT THE ADDRESS SHOWN IN PART 11.C. OF THE PERMIT BY THE FIFTEENTH DAY OF THE MONTH FOLLOWING THE REPORTING PERIOD. REPORTING PERIODS ARE MONTHS DURING WHICH SAMPLES ARE TAKEN IN ACCORDANCE WITH THIS PERMIT. SAMPLING RESULTS SHALL BE IN A CLEARLY LEGIBLE FORMAT. UPON WRITTEN NOTIFICATION. EPD MAY REQUIRE THE APPLICABLE PERMITTEE TO SUBMIT THE SAMPLING RESULTS ON A MORE FREQUENT BASIS. SAMPLING AND ANALYSIS OF ANY STORM WATER DISCHARGE(S) OR THE RECEIVING WATER(S) BEYOND THE MINIMUM FREQUENCY STATED IN THIS PERMIT MUST BE REPORTED IN A SIMILAR MANNER TO THE EPD. THE SAMPLING REPORTS MUST BE SIGNED IN ACCORDANCE WITH PART V.G.2 OF THE PERMIT. SAMPLING REPORTS MUST BE SUBMITTED TO EPD UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART VI OF THE PERMIT.

- THE NAME(S) OF THE CERTIFIED PERSONNEL WHO PERFORMED THE SAMPLING AND MEASUREMENTS;
- D) THE DATE(S) ANALYSES WERE PERFORMED;
- G) REFERENCES AND WRITTEN PROCEDURES, WHEN AVAILABLE, FOR THE ANALYTICAL TECHNIQUES OR METHODS USED;
- I) RESULTS WHICH EXCEED 1000 NTU SHALL BE REPORTED AS "EXCEEDS 1000 NTU;" AND
- ALL WRITTEN CORRESPONDENCE REQUIRED BY THIS PERMIT SHALL BE SUBMITTED BY RETURN RECEIPT CERTIFIED MAIL (OR SIMILAR SERVICE) TO HE APPROPRIATE DISTRICT OFFICE OF THE EPD ACCORDING TO THE SCHEDULE IN APPENDIX A OF THIS PERMIT. THE PERMITTEE SHALL RETAIN A COPY OF THE PROOF OF SUBMITTAL AT THE CONSTRUCTION SITE OR THE PROOF OF SUBMITTAL SHALL BE READILY AVAILABLE AT A DESIGNATED LOCATION FROM COMMENCEMENT OF CONSTRUCTION UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART VILIE AN ELECTRONIC SUBMITTAL IS PROVIDED BY EPD THEN THE WRITTEN CORRESPONDENCE MAY BE SUBMITTED ELECTRONICALLY; IF REQUIRED, A PAPER COPY MUST ALSO BE SUBMITTED

RETENTION OF RECORDS (PART IV.F):

- A) A COPY OF ALL NOTICES OF INTENT SUBMITTED TO EPD
- C) THE DESIGN PROFESSIONAL'S REPORT OF THE RESULTS OF THE INSPECTION CONDUCTED IN ACCORDANCE WITH PART IV.A.5. OF THIS PERMIT:
- D) A COPY OF ALL MONITORING INFORMATION, RESULTS, AND REPORTS REQUIRED BY THIS PERMIT; E) A COPY OF ALL INSPECTION REPORTS GENERATED IN ACCORDANCE WITH PART IV.D.4.A. OF THIS PERMIT:
- F) A COPY OF ALL VIOLATION SUMMARIES AND VIOLATION SUMMARY REPORTS GENERATED IN ACCORDANCE WITH PART III.D.2. OF THIS PERMIT; AND G) DAILY RAINFALL INFORMATION COLLECTED IN ACCORDANCE WITH PART IV.D.4.A.(1)(C) OF THIS PERMIT.
-) COPIES OF ALL NOI'S, NOT'S, REPORTS, PLANS, MONITORING REPORTS, MONITORING INFORMATION, INCLUDING ALL CALIBRATION AND MAINTENANCE RECORDS AND ALL ORIGINAL STRIP CHART RECORDINGS FOR CONTINUOUS MONITORING INSTRUMENTATION, EROSION, SEDIMENTATION AND POLLUTION CONTROL PLANS. RECORDS OF ALL DATA USED TO COMPLETE THE NOTICE OF INTENT TO BE COVERED BY THIS PERMIT AND ALL OTHER RECORDS.
- REQUIRED BY THIS PERMIT SHALL BE RETAINED BY THE PERMITTEE WHO EITHER PRODUCED OR USED IT FOR A PERIOD OF AT LEAST THREE YEARS FROM THE DATE THAT THE NOT IS SUBMITTED IN ACCORDANCE WITH PART VI OF THIS PERMIT. THESE RECORDS MUST BE MAINTAINED AT THE PERMITTEE'S PRIMARY PLACE OF BUSINESS OR AT A DESIGNATED ALTERNATIVE LOCATION ONCE THE CONSTRUCTION ACTIVITY HAS CEASED AT THE PERMITTED SITE. THIS PERIOD MAY BE EXTENDED BY REQUEST OF THE EPD AT ANY TIME UPON WRITTEN NOTIFICATION TO THE PERMITTEE.

- AN EFFORT SHALL BE MADE TO MAINTAIN THE MINIMUM AMOUNT OF MATERIAL NEEDED TO COMPLETE THE JOB ONSITE
- ALL MATERIALS STORED ONSITE WILL BE STORED IN A NEAT, ORDERLY MANNER IN THEIR APPROPRIATE CONTAINERS.
- 3) PRODUCTS WILL BE KEPT IN THEIR ORIGINAL CONTAINERS WITH THE ORIGINAL MANUFACTURER'S LABEL
- 5) WHENEVER POSSIBLE, ALL OF A PRODUCT WILL BE USED UP BEFORE DISPOSING OF THE CONTAINER
- 6) MANUFACTURER'S RECOMMENDATIONS FOR PROPER USE AND DISPOSAL WILL BE FOLLOWED
- 7) THE SITE SUPERINTENDENT WILL INSPECT DAILY TO ENSURE PROPER USE AND DISPOSAL OF MATERIALS ONSITE.

- WATERPROOF COVER, WHERE FEASIBLE.THE COVER SHOULD BE ADEQUATELY SECURED AND REMAIN IN PLACE AT ALL TIMES WHEN STOCKPILE MATERIALS ARE NOT BEING USED, WHEN INFEASIBLE, RUNOFF FROM THE STOCKPILE SHOULD BE DIVERTED TO STRUCTURAL EROSION & SEDIMENT
- 3) LOCATE STOCKPILES A MINIMUM OF 50 FEET FROM CONCENTRATED FLOW AREAS.
- 4) INSPECT DAILY FOR EROSION AND/OR LEACHING OF STOCKPILES OF RAW MATERIALS
- 1) LIQUID STORAGE CONTAINERS MUST HAVE TIGHT FITTING LIDS AND BE PROPERLY LABELED WITH THE CONTENTS AND ANY POSSIBLE HAZARDS.
- 2) ALL LIQUID STORAGE CONTAINERS SHOULD BE PLACED IN A DESIGNATED AREA WITH A SECONDARY CONTAINMENT SYSTEM, SUCH AS CURBING, BERMS, DIKES, LINERS, OR USE OF SPILL PALLETS SUCH THAT CONTENTS WILL NOT DISCHARGE, FLOW, OR BE WASHED INTO THE STORMWATER DRAINAGE SYSTEM IF THE CONTAINER LEAKS OR RUPTURES. SECONDARY CONTAINMENT SHOULD BE DESIGNED TO STORE 110% OF THE VOLUME OF THE
- RUNOFF BEYOND SECONDARY STORAGE AREAS SHOULD BE DIVERTED TO EROSION CONTROL BMP'S. IF BMP'S WITH A SKIMMER DEVICE ARE CONSTRUCTED ON THE PROPERTY, LIQUID STORAGE CONTAINMENT RUNOFF SHOULD BE DIVERTED TO SUCH MEASURES.
- 7) USE DRY ABSORBENTS, SUCH AS ABSORBENT GRANULES, SOCKS, AND PADS TO CLEAN UP ANY SPILLS OR LEAKING FLUIDS.
- DUMPSTERS, ARE OFTEN BEST LOCATED NEAR CONSTRUCTION SITE ENTRANCES OR THE SOURCE OF DISPOSAL TO MINIMIZE TRAFFIC ON DISTURBED SOIL. DISPOSAL SHALL BE PERIODICALLY AS NEEDED.
- 3) COVER TEMPORARY WASTE PILES WITH A WATERPROOF COVER WHEN FEASIBLE TO DO SO. 4) NO CONSTRUCTION MATERIALS WILL BE BURIED ONSITE.
- ALL PERSONNEL WILL BE INSTRUCTED CONCERNING WASTE DISPOSAL. THE CONTRACTOR WILL BE RESPONSIBLE FOR THIS INSTRUCTION, AND WILL BE RESPONSIBLE FOR SEEING THAT THESE INSTRUCTIONS ARE FOLLOWED.
- INSPECT SOLID WASTE DISPOSAL AREAS DAILY TO ENSURE THERE ARE NO LEAKS OR SPILLS, AND THERE IS NO LOOSE/UNSECURED TRASH OR SOLID

HAZARDOUS MATERIALS

- B) ORIGINAL LABELS AND MATERIAL SAFETY DATA WILL BE RETAINED.
- C) IF SURPLUS PRODUCT MUST BE DISPOSED OF, MANUFACTURER'S OR LOCAL AND STATE RECOMMENDED METHODS FOR PROPER DISPOSAL WILL BE
- REGARDING SPILL CONTROL TECHNIQUES. HAZARDOUS WASTE STORAGE AREAS SHOULD, AT A MINIMUM, BE SHELTERED FROM PRECIPITATION AND RAISED OFF THE GROUND WITH

SANITARY WASTE

SPILLS AND DRIPS.

- 1) ALL SANITARY WASTE WILL BE MANAGED APPROPRIATELY BY PERMANENT EXISTING ON-SITE FACILITIES OR PORTABLE UNITS.
- 2) ALL SANITARY WASTE TO BE DISPOSED OF PROPERLY ACCORDING TO STATE AND FEDERAL CODE.
- 3) A MINIMUM OF ONE SANITARY UNIT WILL BE PROVIDED FOR EVERY TEN (10) WORKERS ON SITE OR AS OTHERWISE REQUIRED BY LOCAL REGULATIONS.

ON-SITE VEHICLE MAINTENANCE 1) FOR ALL OUTDOOR MAINTENANCE ACTIVITIES, A TARP OR GROUND CLOTH AND DRIP PANS SHOULD BE PLACED BENEATH THE VEHICLE TO CAPTURE

- 2) AVOID CHANGING MOTOR OIL OR OTHER VEHICLE FLUIDS, OR PERFORMING HEAVY EQUIPMENT MAINTENANCE NEAR A STORMWATER DRAIN, DRAINAGE DITCH. SURFACE WATER. OR ANYWHERE WHERE THE CONTAMINANTS COULD COME INTO CONTACT WITH RAIN OR STORMWATER RUNOFF.
- 3) ALWAYS USE FUNNELS WHEN POURING LIQUIDS, AND USE DRIP PANS UNDER A VEHICLE WHEN UNCLIPPING HOSES, UNSCREWING FILTERS, AND

REMOVING OTHER PARTS THAT ARE SUBJECT TO LEAKS. CLEAN UP VEHICLE FLUIDS WITH RAGS OR ABSORBENT MATERIALS IMMEDIATELY.

CONCRETE WASHOUT 1) WASHOUT OF THE DRUM OF A CONCRETE TRUCK ON THE CONSTRUCTION SITE IS PROHIBITED. CONCRETE WASHDOWN OF TOOLS, CONCRETE MIXER CHUTES, HOPPERS, AND THE REAR OF VEHICLES WILL ONLY BE ALLOWED IN DESIGNATED CONCRETE WASHDOWN AREAS SHOWN IN THIS PLAN, AND

- CONCRETE WASHDOWN AREAS MUST HAVE THE CWRMP INSTALLED IN ACCORDANCE WITH PLAN REQUIREMENTS AND DETAILS. IF NO CONCRETE WASHOU AREA IS SHOWN, THE PLAN MUST BE AMENDED FOR CONCRETE WASHOUT TO BE ALLOWED AT THE LOCATION THAT IS DESIGNATED ON THE PLAN.WASHDOW MUST ADDITIONALLY MEET THE FOLLOWING PRACTICES:
- A) PREVENT WASHDOWN WATER FROM FLOWING OUT OF THE WASHDOWN AREA;
- B) USE THE MINIMUM AMOUNT OF WATER TO WASH DOWN TOOLS, MIXER CHUTES, HOPPERS, AND THE REAR OF ANY VEHICLES; REMOVE ANY CONCRETE SEDIMENT FROM THE AREA SURROUNDING THE WASHOUT AREA BEFORE IT HARDENS: AND
- REMOVE ANY CONCRETE RESIDUE FROM THE AREA ONCE IT HAS HARDENED NEVER DISCHARGE OR DUMP RAW, EXCESS OR WASTE MATERIALS, SLURRY, OR RINSE WATER INTO A STORMWATER DRAIN, DRAINAGE DITCH, OR SURFACE WATER. APPROPRIATELY DISPOSE OF ANY SOLID CONCRETE OR ASPHALT WASTE, INCLUDING DUST PRODUCED FROM SAWCUTTING/MILLING

PETROLEUM / OIL PRODUCTS

OPERATIONS.

- INSPECT VEHICLES AND EQUIPMENT DAILY FOR LEAKS AND RECEIVE REGULAR PREVENTIVE MAINTENANCE TO REDUCE THE CHANCE OF LEAKAGE. PETROLEUM PRODUCTS WILL BE STORED IN TIGHTLY SEALED CONTAINERS WHICH ARE CLEARLY LABELED.
- THERE SHALL BE NO ON-SITE STORAGE OF PETROLEUM FOR FUELING MOBILE PETROLEUM TRUCKS SHALL BE USED TO FUEL CONSTRUCTION. EQUIPMENT ON-SITE. ON-SITE FUELING SHOULD BE PERFORMED AT A MINIMUM OF 50 FEET AWAY FROM CONCENTRATED FLOWS OF STORMWATER, STORMWATER DRAINS, DRAINAGE DITCHES, AND SURFACE WATERS, PLACE TEMPORARY CAPS OVER NEARBY CATCH BASINS AND OPEN MANHOLES SO THAT IF A SPILL OCCURS IT IS PREVENTED FROM ENTERING THE STORMWATER DRAINAGE SYSTEM. WHERE POSSIBLE, DESIGNATE AREAS FOR FUELING WHERE RUNOFF DISCHARGES TO A SEDIMENT STORAGE AREA WITH A SKIMMER DEVICE.
- 3) ANY ASPHALT SUBSTANCES USED ONSITE WILL BE APPLIED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.
-) A SPILL PREVENTION, CONTROL, AND COUNTERMEASURES (SPCC) PLAN TO MEET THE EPA OIL SPILL PROGRAM REGULATIONS MAY BE REQUIRED IF ANY SINGLE PETROLEUM STORAGE UNIT EXCEEDS 660 GALLONS, OR A TOTAL OF MORE THAN 1,320 GALLONS OF FUEL ARE STORED ON SITE. THIS PLAN WAS PREPARED WITH THE UNDERSTANDING THRESHOLDS FOR THE PREPARATION OF AN SPCC PLAN WOULD NOT BE EXCEEDED, AND THAT ON-SITE FUEL STORAGE WILL NOT BE PROVIDED.
- 5) NOTHING IN THIS PERMIT SHALL BE CONSTRUED TO PRECLUDE THE INSTITUTION OF ANY LEGAL ACTION OR RELIEVE THE PERMITTEE FROM ANY RESPONSIBILITIES, LIABILITIES, OR PENALTIES TO WHICH THE PERMITTEE IS OR MAY BE SUBJECT UNDER THE GEORGIA HAZARDOUS WASTE MANAGEMENT ACT, O.C.G.A. 12-8-60, ET SEQ. OR UNDER CHAPTER 14 OF TITLE 12 OF THE OFFICIAL CODE OF GEORGIA ANNOTATED; NOR IS THE OPERATOR RELIEVED FROM ANY RESPONSIBILITIES. LIABILITIES OR PENALTIES TO WHICH THE PERMITTEE IS OR MAY BE SUBJECT UNDER SECTION 311 OF THE CLEAN WATER ACT OR SECTION 106 OF COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY ACT.

- 1) FERTILIZERS USED WILL BE APPLIED ONLY IN THE MINIMUM AMOUNTS RECOMMENDED BY THE MANUFACTURER. ONCE APPLIED, FERTILIZER WILL BE WORKED INTO THE SOIL TO LIMIT EXPOSURE TO STORM WATER. STORAGE WILL BE IN A CLEAN, DRY PLACE. THE CONTENTS OF ANY PARTIALLY USED BAGS OF FERTILIZER WILL BE TRANSFERRED TO A SEALABLE PLASTIC BIN TO AVOID SPILLS.
- 2) AVOID FERTILIZER APPLICATION WHEN IT IS RAINING OR WHEN HEAVY RAIN IS FORECAST
- 3) FERTILIZER GRANULES SHOULD BE WORKED INTO THE SOIL RATHER THAN BROADCAST AND LEFT ON THE SURFACE. 4) SWEEP UP DRY FERTILIZER GRANULES THAT FALL ON PAVEMENT OR OTHER HARD SURFACES. DO NOT HOSE OR BLOW OFF
- 1) DO NOT MIX OR PREPARE PESTICIDES OR FUNGICIDES NEAR A STORMWATER DRAIN, DRAINAGE DITCH, OR SURFACE WATER. PREPARE THE MINIMUM
- AMOUNT OF PESTICIDE NEEDED FOR THE JOB AND USE THE LOWEST RATE THAT WILL EFFECTIVELY CONTROL PESTS/UNDESIRABLE VEGETATION. 2) READ AND FOLLOW THE LABEL DIRECTIONS AND APPLY ALL FUNGICIDES AND PESTICIDES AS DIRECTED. FOLLOW FEDERAL. STATE, AND LOCAL LAWS
- AND REGULATIONS GOVERNING THE USE, STORAGE, AND DISPOSAL OF PESTICIDES AND TRAINING OF APPLICATORS AND PEST CONTROL ADVISORS. 3) DO NOT APPLY FUNGICIDES OR PESTICIDES WHEN IT IS RAINING OR RAIN IS FORECAST.
- 4) PESTICIDES SHOULD NEVER BE APPLIED DIRECTLY TO SURFACE WATERS OR WITHIN 100' OF A STREAM BANK OR SHORELINE.
- 5) SWEEP UP DRY PESTICIDE THAT FALLS ONTO PAVEMENT OR OTHER IMPERVIOUS SURFACES. DO NOT HOSE OFF. FOLLOW MANUFACTURER INSTRUCTIONS FOR SPILLS AND LEAKS.

1) ALL CONTAINERS WILL BE TIGHTLY SEALED AND STORED WHEN NOT REQUIRED FOR USE. EXCESS PAINT WILL NOT BE DISCHARGED TO THE STORM SEWER SYSTEM BUT WILL BE PROPERLY DISPOSED OF ACCORDING TO MANUFACTURER'S INSTRUCTIONS OR STATE AND LOCAL REGULATIONS.

2) FOR WATER-BASED PAINTS, CLEAN PAINTING EQUIPMENT IN A SINK OR BASIN CONNECTED TO THE SANITARY SEWER OR IN THE CONCRETE WASHOUT AREA. CLEAN UP NON-WATER BASED PAINTS, FINISHES, AND OTHER MATERIALS IN A MANNER THAT ENABLES COLLECTION OF WASTE PAINT AND SOLVENTS FOR RECYCLING AND PROPER DISPOSAL. NEVER POUR WASTE PAINT DOWN A STORM DRAIN OR INTO A CONCENTRATED FLOW AREA.

SPILL CLEANUP AND CONTROL

CONTACT WITH A HAZARDOUS SUBSTANCE.

FOR SPILLS THAT IMPACT SURFACE WATER, OR FOR SPILLS OF AN UNKNOWN AMOUNT, THE NATIONAL RESPONSE CENTER (NRC) WILL BE CONTACTED WITHIN 24 HOURS AT (800) 426-2675

FOR SPILLS GREATER THAN 25 GALLONS WITH NO SURFACE WATER IMPACT, GEORGIA EPD MUST BE CONTACTED WITHIN 24 HOURS. FOR SPILLS LESS THAN 25 GALLONS WITH NO SURFACE WATER IMPACTS, THE SPILL WILL BE CLEANED UP AND LOCAL AGENCIES WILL BE CONTACTED AS

- LOCAL, STATE, AND MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED AND PROCEDURES MADE AVAILABLE
- 2) MATERIALS AND EQUIPMENT NECESSARY FOR SPILL CLEANUP SHALL BE KEPT IN OR NEAR MATERIAL STORAGE AREAS. THIS INCLUDES BUT IS NOT LIMITED TO BROOMS, DUSTPANS, MOPS, RAGS, GLOVES, SORBENTS, AND CLEARLY LABELED WASTE CONTAINERS.
- 3) ALL SPILLS WILL BE CLEANED UP IMMEDIATELY UPON DISCOVERY.
- 5) FOLLOWING A SPILL. MEASURES WILL BE TAKEN/PROCEDURES ADJUSTED TO PREVENT THIS TYPE OF SPILL FROM RE-OCCURRING AND HOW TO CLEAN UP THE SPILL IF THERE IS ANOTHER ONE A DESCRIPTION OF THE SPILL WHAT CAUSED IT AND THE CLEANUP MEASURES WILL BE INCLUDED IN THE

4) THE SPILL AREA WILL BE KEPT WELL VENTILATED AND PERSONNEL WILL WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT INJURY FROM

No. PE 035923

PROFESSIONAL

WAKEFIELD

BEASLEY &

ASSOCIATES

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201 RECREATION RD

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2019-03-08 GRANT REVIEW DOCUMENTS

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Print Record 2019-01-14 SCHEMATIC DESIGN PACKAGE

2019-02-04 BID PACKAGE

Revisions Date Description

RELEASED FOR CONSTRUCTION

PROJECT NUMBER

EROSION,



2) ALL SAMPLING REPORTS SHALL INCLUDE THE FOLLOWING INFORMATION:

A) SAMPLE CONTAINERS SHOULD BE LABELED PRIOR TO COLLECTING THE SAMPLES. B) THE RAINFALL AMOUNT, DATE, EXACT PLACE AND TIME OF SAMPLING OR MEASUREMENTS;

E) THE TIME(S) ANALYSES WERE INITIATED;

THE NAME(S) OF THE CERTIFIED PERSONNEL WHO PERFORMED THE ANALYSES;

THE RESULTS OF SUCH ANALYSES, INCLUDING THE BENCH SHEETS, INSTRUMENT READOUTS, COMPUTER DISKS OR TAPES, ETC., USED TO

J) CERTIFICATION STATEMENT THAT SAMPLING WAS CONDUCTED AS PER THE PLAN.

BY RETURN RECEIPT CERTIFIED MAIL OR SIMILAR SERVICE

- THE PRIMARY PERMITTEE SHALL RETAIN THE FOLLOWING RECORDS AT THE CONSTRUCTION SITE OR THE RECORDS SHALL BE READILY AVAILABLE AT A DESIGNATED ALTERNATE LOCATION FROM COMMENCEMENT OF CONSTRUCTION UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART
- B) A COPY OF THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN REQUIRED BY THIS PERMIT.

RISK REDUCTION/POLLUTION CONTROL (PART IV.D.3.c)

- 4) SUBSTANCES WILL NOT BE MIXED WITH ONE ANOTHER UNLESS RECOMMENDED BY THE MANUFACTURER
-) BULK STORAGE INCLUDES THE STORAGE OF RAW OF FINISHED PRODUCTS AND BYPRODUCTS STORED IN LARGE PILES OR STACKS ON A TEMPORARY OR PERMANENT BASIS, INCLUDING GRAVEL, COMPOST, CHEMICALS, LOGS, TREATED WOOD, SAWDUST, WOOD CHIPS, COAL, BUILDING MATERIALS, CONCRETE, AND METAL PRODUCTS. FOR BULK STORAGE OF TOPSOIL, REFER TO TOPSOIL STOCKPILING BMP'S.
- BULK MATERIALS SHOULD NOT BE ALLOWED TO WASH OFF THE SITE OR DISCHARGE INTO SURFACE WATERS. PROTECT STOCKPILES WITH A
- **LIQUID STORAGE**
- LARGEST CONTAINER OR 10% OF THE VOLUME OF ALL CONTAINERS, WHICHEVER IS GREATER.
- 4) PROVIDE BARRIERS AROUND LIQUID STORAGE AREAS TO PREVENT DAMAGE FROM VEHICLES OR EQUIPMENT. 6) ADDITIONAL REQUIREMENTS ARE INCLUDED IN THE PLAN FOR OIL/PETROLEUM STORAGE.INSPECT DAILY FOR LEAKS AND SPILLS.
- WASTE DISPOSAL 1) ALL WASTE MATERIALS WILL BE COLLECTED AND STORED TO BE PROPERLY DISPOSED OF AT A LICENSED SOLID WASTE MANAGEMENT COMPANY LOCATE WASTE COLLECTION AREAS AWAY FROM STREETS, GUTTERS, WATERCOURSES, AND STORM DRAINS, WASTE COLLECTION AREAS, SUCH AS
- 1) THESE PRACTICES ARE USED TO REDUCE THE RISKS ASSOCIATED WITH HAZARDOUS MATERIALS: A) PRODUCTS WILL BE KEPT IN THEIR ORIGINAL CONTAINERS UNLESS THEY ARE NOT RE-SEALABLE.
- 2) ALL HAZARDOUS WASTE MATERIALS (AS DEFINED IN 40 CFR PART 261) WILL BE SEPARATED FROM CONSTRUCTION WASTE AND WILL BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL OR STATE REGULATION OR BY THE MANUFACTURER. SITE PERSONNEL WILL BE INSTRUCTED IN THESE PRACTICES, AND THE CONTRACTOR WILL BE RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE FOLLOWED. MATERIAL DATA SAFETY SHEETS FOR EACH SUBSTANCE WITH HAZARDOUS PROPERTIES THAT IS USED ON THE JOB SITE WILL BE OBTAINED AND USED FOR THE PROPER MANAGEMENT OF POTENTIAL WASTES THAT MAY RESULT FROM THESE PRODUCTS. AN MSDS WILL BE POSTED IN THE IMMEDIATE

AREA WHERE SUCH PRODUCT IS STORED. EACH EMPLOYEE WHO MUST HANDLE A SUBSTANCE WITH HAZARDOUS PROPERTIES WILL BE INSTRUCTED ON

SECONDARY CONTAINMENT (SUCH AS SPILL PALLETS) TO PREVENT LEACHING AND DELIVERY FROM RUNOFF. ALL STORAGE MUST COMPLY WITH STATE AND FEDERAL REGULATIONS.

THE USE OF THE MSDS SHEETS AND THE SPECIFIC INFORMATION IN THE APPLICABLE MSDS FOR THE PRODUCT HE/SHE IS USING, PARTICULARLY

CONSTRUCTION SEQUENCE (PART IV.D.1)

THE FOLLOWING SEQUENCE OF ACTIVITIES ARE TO BE IMPLEMENTED IN THE ORDER SHOWN, UNLESS INCLEMENT WEATHER, SITE CONDITIONS, REVISIONS, RECOMMENDATIONS FROM THE PRE-CONSTRUCTION CONFERENCE, OR OTHER REASON JUSTIFIES A DEVIATION FROM THIS SCHEDULE. IF A DEVIATION IS UNDERTAKEN OR ANTICIPATED, THE LOCAL JURISDICTION SHALL BE NOTIFIED AND THE CHANGE OF SEQUENCE RECORDED IN THE DAILY LOG.

PHASE-I: CLEARING, GRADING, DEMOLITION, AND INSTALLATION OF INITIAL BMP'S

1) OBTAIN AND POST A COPY OF THE LAND DISTURBANCE PERMIT ON THE SITE. A COPY OF THE FILED NOTICE OF INTENT (NOI) AND DELIVERY RETURN RECEIPT SHOULD BE STORED WITH THE APPROVED CONSTRUCTION PLANS ON-SITE, ALONG WITH SETTING UP STORAGE FOR THE DAILY

- SAMPLING LOG AND FILING FOR REPORTS REQUIRED BY THE NPDES PERMIT. LAND DISTURBANCE CANNOT COMMENCE LESS THAN 14 DAYS FROM THE DATE ON THE DELIVERY RECEIPT.

 2) SET UP A PRE-CONSTRUCTION CONFERENCE ON-SITE WITH THE OWNER, CONTRACTOR, DESIGN TEAM MEMBERS AS NEEDED, AND LOCAL
- 3) COORDINATE THE DISCONNECTION AND REMOVAL OF ANY EXISTING UTILITIES ON-SITE TO BE REMOVED OR ABANDONED. FIELD CONFIRM THE LOCATION OF ALL EXISTING UTILITIES BY POTHOLING.
- 4) STAKE LIMITS OF DISTURBED AREA AND TREE PROTECTION AREAS.

SSUING AUTHORITY TO REVIEW CONSTRUCTION REQUIREMENTS.

- 5) INSTALL TREE SAVE FENCING TO DELINEATE BUFFER AND TREE SAVE AREAS AS SHOWN ON THE PLAN.
- 6) CONSTRUCT THE CONSTRUCTION ENTRANCE(S) AT THE PROPOSED LOCATION(S) SHOWN ON THE PLANS. (TEMPORARY STREET ACCESS PERMITS MAY BE REQUIRED.)
- 7) INSTALL ALL PERIMETER SILT BARRIERS AS SHOWN ON THE PHASE-I PLAN SHEETS.
- 8) CLEAR AND GRUB ROUTES TO THE MINIMUM EXTENT NEEDED TO CONSTRUCT STRUCTURAL BEST MANAGEMENT PRACTICES IN CONCENTRATED FLOW AREAS SHOWN ON THE INITIAL PHASE PLAN. THIS INCLUDES EXCAVATED SEDIMENT TRAPS, SEDIMENT BASINS, ROCK DAMS. SILT GATES. AND DIVERSIONS.
- 9) INSTALL STRUCTURAL BMP'S IN CONCENTRATED FLOW AREAS WITH MINIMAL DISTURBANCE TO ADJACENT AREAS.
- 10) INSTALL SKIMMER DEVICES ON STRUCTURAL BMP'S AS SHOWN ON THE INITIAL PHASE PLANS.
- 11) COMMENCE CLEARING, GRUBBING, AND DEMOLITION OPERATIONS. CONSTRUCT ALL REMAINING BMP'S SHOWN ON THE PHASE-I PLANS CONCURRENT WITH CLEARING AND GRUBBING OPERATIONS.
- 12) COMMENCE DEMOLITION ACTIVITY CONCURRENT WITH CLEARING AND GRUBBING ACTIVITY. CONSTRUCTION DEBRIS SHOULD BE SORTED FROM VEGETATIVE DEBRIS FOR PROPER DISPOSAL.
- 13) APPLY TEMPORARY VEGETATION (Ds1/Ds2) IN ACCORDANCE WITH PLANS AND NOTES FOR CLEARED AREAS.

PHASE-II: GRADING AND UTILITY CONSTRUCTION

CONSTRUCT ALL STRUCTURAL BMP'S SHOWN ON THE PHASE-II PLAN WHERE COMPLETION OF GRADING AND UTILITY CONSTRUCTION IS NOT ECESSARY FOR INSTALLATION.

2) COMMENCE ROUGH GRADING ON-SITE. INSTALL STRUCTURAL AND VEGETATIVE BMP'S AS SHOWN ON THE PHASE-II PLAN AS EACH AREA IS COMPLETED. FOR LARGE FILLS AND MAJOR EARTH MOVING ACTIVITIES THAT CHANGE CONVEYANCE OF STORMWATER RUNOFF, THE INSTALLATION OF DIVERSIONS, DOWN DRAINS, AND STRUCTURES ON THE PLANS SHOULD BE CONSTRUCTED TO MAINTAIN THE PROTECTION OF SLOPES AND ROUTING OF WATER TO THE PHASE-II STRUCTURAL STORAGE LOCATIONS. THIS MAY INCLUDE PHASED INSTALLATION OF DOWN DRAINS WITH DIVERSIONS ALONG THE FACE OF LARGE FILL AREAS.

- 3) INSTALL PERMANENT STORMWATER MANAGEMENT AREAS AS SHOWN. WHERE PERMANENT STORMWATER MANAGEMENT AREAS HAVE WATER QUALITY COMPONENTS, INSTALL SKIMMER OR RETROFITTING DEVICES AS SHOWN ON THE PLAN AND DO NOT CONSTRUCT WATER QUALITY DEVICES UNTIL FINAL STABILIZATION HAS TAKEN PLACE. WHERE INFILTRATION IS A PART OF A STORMWATER MANAGEMENT COMPONENT, MAINTAIN THE BOTTOM OF THE INFILTRATION AREA A MINIMUM OF SIX INCHES ABOVE FINAL GRADE, TO BE EXCAVATED ONCE FINAL STABILIZATION OF THE SITE IS COMPLETE.
- 4) CONSTRUCT TEMPORARY AND PERMANENT DRAINAGE STRUCTURES AS NECESSARY FOR CONVEYANCE DURING GRADING ACTIVITIES. INSTALL STORM OUTLET PROTECTION CONCURRENT WITH CONSTRUCTION OF ANY DRAINAGE OUTFALL.
- 5) AS FINAL GRADE OF SLOPES ARE ACHIEVED, TRACK OR BENCH AS SHOWN ON THE PLANS. INSTALL SLOPE STABILIZATION REQUIRED IN THE PLANS CONCURRENT WITH THE ESTABLISHMENT OF FINAL GRADE OF SLOPES AND CONVEYANCE CHANNELS.
- 6) INSTALL INLET SEDIMENT TRAPS CONCURRENT WITH THE CONSTRUCTION OF STORM DRAIN STRUCTURES. PROTECT INLETS WHERE EXCAVATION HAS NOT BEEN BACKFILLED AND INLET PROTECTION ESTABLISHED BY DIVERTING TO COMPLETED INLET SEDIMENT TRAPS.
- 7) SPREAD FERTILIZER AND GRASS SEED/SODDING ALONG WITH RECOMMENDED MULCHING (IF SEEDED) AS SOON AS FINAL GRADE IS ACHIEVED IN ACCORDANCE WITH THE PHASE-III PLAN SHEETS AND ANY APPLICABLE LANDSCAPE PLAN.
- (8) COMMENCE FINAL GRADING OF ALL ROADS, PARKING LOTS, AND BUILDING PADS.
- EXCAVATE AND BACKFILL UTILITY CONSTRUCTION IN SECTIONS TO MINIMIZE OPEN EXCAVATION. WHERE UTILITIES ARE AT FINAL GRADE, PLACE PERMANENT SEEDING IN ACCORDANCE WITH PHASE-III PLANS.

THE PHASE-III - FINAL CONSTRUCTION, LANDSCAPING, AND PERMANENT STABILIZATION Z 1) AS SOON AS CONCRETE RUILDING PADS ARE POLIRED, ALL AREAS AROUND THE PADS AND STREET/PARKING

AS SOON AS CONCRETE BUILDING PADS ARE POURED, ALL AREAS AROUND THE PADS AND STREET/PARKING AREAS ARE TO BE TEMPORARILY VEGETATED.

- $\frac{\mathbf{r}}{\mathbf{O}}$ 2) CONSTRUCT BUILDING PAD AND FOUNDATIONS.
- CONSTRUCT ALL LEVEL SPREADERS AND MAINTAIN STORM OUTLET PROTECTION AT PIPE OUTLETS AS SHOWN ON THE PLANS.
- PLACE GRADED AGGREGATE BASE FOR ROADS AND DRIVES. MODIFY ALL CURB INLET SEDIMENT TRAPS AS NEEDED, BOTH FOR DIVERSION OF WATER INTO THE RAISED THROATS AND FOR THE INLET. (Sd2-P MAY BE INSTALLED ON THE GUTTER IN MOST CASES).
- O CONVEYANCE AS SHOWN IN THE PLANS, WHICH MAY REQUIRE CONSTRUCTING A SEGMENT OF CURB AT A LATER DATE TO MAINTAIN PROPER U O CONVEYANCE OF STORMWATER.

 6) AFTER A CURING TIME OF NO LESS THAN SEVEN DAYS, BACKFILL CURBS AND SMOOTH SHOULDER GRADES. PLACE FINAL

5 5) INSTALL CURBING AND SIDEWALKS. DURING THIS PHASE, CURBING MAY ACT AS A RUNOFF DIVERSION. THE CONTRACTOR MUST MAINTAIN

- LANDSCAPING/STABILIZATION ON SHOULDERS AS SOON AS SEASON AND CONSTRUCTION ACTIVITY ALLOWS. IF FINAL STABILIZATION WILL NOT BE IMMEDIATE, PLACE TEMPORARY SEEDING OR MULCH ON THE SHOULDERS.
- 7) PAVE ALL STREETS AND PARKING AREAS. SEDIMENT INLET TRAP PROTECTION MAY REQUIRE MODIFICATION TO MATCH PHASE-III PLAN.

 8) ALL SEDIMENT PONDS AND PERIMETER SILT FENCE IS TO BE MAINTAINED FOR THE DURATION OF BUILDING AND SITE CONSTRUCTION. AT
- COMPLETION OF BUILDING/SITE INFRASTRUCTURE CONSTRUCTION, ALL AREAS ARE TO BE PERMANENTLY VEGETATED.

 9) UPON FINAL STABILIZATION TO STORMWATER MANAGEMENT AREAS, INSTALLATION OF WATER QUALITY AND/OR INFILTRATION MEASURES SHALL BE COMPLETED. IMMEDIATELY UPON COMPLETION, AS-BUILT SURVEYS OF THESE SHOULD BE COMPLETED AND PROVIDED TO THE ENGINEER
- CORRECTIVE ACTION, IF REQUIRED, SHOULD BE TAKEN BEFORE A NOTICE OF TERMINATION IS FILED.

 10) UPON FINAL STABILIZATION OF 100% OF THE CONTRIBUTING ON-SITE DRAINAGE AREAS, REMOVE THE RESPECTIVE TEMPORARY STRUCTURAL RMP'S LISE PERMANENT VEGETATIVE RMP'S AND LANDSCAPING SHOWN ON THE PHASE-III AND LANDSCAPE PLAN TO STABILIZE DISTURBED AREAS.

FOR REVIEW. NOTE THAT IMPROPERLY CONSTRUCTED STORMWATER MANAGEMENT AREAS MAY RESULT IN ADDITIONAL LAND DISTURBANCE.

BMP'S USE PERMANENT VEGETATIVE BMP'S AND LANDSCAPING SHOWN ON THE PHASE-III AND LANDSCAPE PLAN TO STABILIZE DISTURBED AREAS FROM STRUCTURAL BMP'S AS THEY ARE REMOVED.

NOTICE OF TERMINATION (NOT) 1) THE PRIMARY PERMITTEE IS TO SU

- THE PRIMARY PERMITTEE IS TO SUBMIT A NOTICE OF TERMINATION ONCE THE FOUR FOLLOWING CRITERIA ARE MET:

 A) THE ENTIRE STANDALONE DEVELOPMENT HAS UNDERGONE FINAL STABILIZATION;
- B) ALL STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY THAT ARE AUTHORIZED BY THE NPDES PERMIT HAVE CEASED;
- C) THE SITE IS IN COMPLIANCE WITH THIS PERMIT AND ALL TEMPORARY BMP'S HAVE BEEN REMOVED.
- PHASES OF THE STANDALONE DEVELOPMENT, THE PHASE OR SEPARATE PHASES OF THE STANDALONE DEVELOPMENT, THE PHASE OR PHASES OF THE STANDALONE DEVELOPMENT, THE PHASE OR PHASES OF THE STANDALONE DEVELOPMENT ON THE NOT MUST CORRESPOND TO THE PHASE OR PHASES IN THE NOI.



		GEORGI	A UNIFOR	RM CODING SYSTEM FOR ER	OSION	I AND SEDIMENT	CONTRO	DL PRACT	TICES	-
CODE	PRACTICE	STRUCTU DETAIL	JRAL PRACT SYMBOL	DESCRIPTION	CODE	PRACTICE	STRUCTU DETAIL	JRAL PRACT SYMBOL	DESCRIPTION	_
Cq	CHECK DAM		V	A small temporary barrier or dam constructed across a swale, drainage ditch or area of concentrated flow.	Sd2-P	INLET SEDIMENT TRAP CURB INLET PROTECTION	Coton Basin Curbing			
Cd-S)	CHECK DAM STONE CHECK DAM		~	A small temporary barrier or dam constructed across a swale, drainage ditch or area of concentrated flow.	(Sd3)	TEMPORARY SEDIMENT BASIN		(Sd3)	A basin created by excavation or a dam across a waterway. The surface water runoff is temporarily stored allowing the bulk of the sediment to drop out.	
Cd-Hb	CHECK DAM STRAW-BALE CHECK DAMS		~	A small temporary barrier or dam constructed across a swale, drainage ditch or area of concentrated flow.	Sd4	TEMPORARY SEDIMENT TRAP		Sd4	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.	-
Cd-Fs	CHECK DAM COMPOST FILTER SOCK		V	A small temporary barrier or dam constructed across a swale, drainage ditch or area of concentrated flow.	Sd4-A	TEMPORARY SEDIMENT TRAP OVERFLOW		Sd4-A	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.	
Ch	CHANNEL STABILIZATION	7	Ch	Improving, constructing or stabilizing an open channel, existing stream, or ditch.	Sd4-B	TEMPORARY SEDIMENT TRAP COMBINATION STRAW BALE AND SILT FENCE OUTLET		Sd4-B	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.	
Ch-1	CHANNEL STABILIZATION CATEGORY 1 (0-5 FT/S) VEGETATED LINING		Ch-1	Improving, constructing or stabilizing an open channel, existing stream, or ditch.	Sd4-C			Sd4-C	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.	
Ch-2	CHANNEL STABILIZATION CATEGORY 2 (2-10 FT/S) RIP RAP LINING		Ch-2	Improving, constructing or stabilizing an open channel, existing stream, or ditch.	Sk	FLOATING SURFACE SKIMMER		Sk	A buoyant device that releases/drains water from the surface of sediment ponds, traps, or basins at a controlled rate of flow.	
Ch-3	CHANNEL STABILIZATION CATEGORY 3 (> 10 FT/S) CONCRETE LINING		Ch-3	Improving, constructing or stabilizing an open channel, existing stream, or ditch.	SpB	SEEP BERM		SpB	Linear control device constructed as a diversion perpendicular to the direction of runoff to enhance dissipation and infiltration, while creating multiple sedimentation chambers with the employment of intermediate dikes.	
Co	CONSTRUCTION EXIT		Co	A crushed stone pad located at the construction site exit to provide a place for removing mud from tires thereby protecting public streets.	Sr	TEMPORARY STREAM CROSSING		Sr	A temporary bridge or culvert-type structure protecting a stream or watercourse from damage by crossing construction equipment.	
Cr	CONSTRUCTION ROAD STABILIZATION		Cr	A travel way constructed as part of a construction plan including access roads, subdivision roads, parking areas and other on-site vehicle transportation routes.	Sr-B	TEMPORARY STREAM CROSSING BRIDGE CROSSING		Sr-B	A temporary bridge or culvert-type structure protecting a stream or watercourse from damage by crossing construction equipment.	
Cw	CONCRETE WASHOUT AREA	The state of the s			Sr-C	TEMPORARY STREAM CROSSING CULVERT CROSSING		Sr-C	A temporary bridge or culvert-type structure protecting a stream or watercourse from damage by crossing construction equipment.	
Dc	STREAM DIVERSION CHANNEL		Dc	A temporary channel constructed to convey flow around a construction site while a permanent structure is being constructed.	St	STORM DRAIN OUTLET PROTECTION		St	A paved or short section of riprap channel at the outlet of a storm drain system preventing erosion from the concentrated runoff.	
Dc-A	STREAM DIVERSION CHANNEL (0-2.5 FT/S) GEOTEXTILE, POLYETHYLENE FILM, OR SOD		Dc-A	A temporary channel constructed to convey flow around a construction site while a permanent structure is being constructed.	Su	SURFACE ROUGHENING		Su	A rough soil surface with horizontal depressions on a contour or slopes left in a roughened condition after grading.	
Dc-B	STREAM DIVERSION CHANNEL (0-2.5 FT/S) GEOTEXTILE ALONE		Dc-B	A temporary channel constructed to convey flow around a construction site while a permanent structure is being constructed.	Tc	TURBIDITY CURTAIN		Tc	A floating or staked barrier installed within the water (it may also be referred to as a floating boom, silt barrier, or silt curtain).	-
Dc-C)	STREAM DIVERSION CHANNEL (0-2.5 FT/S) CLASS I RIPRAP AND GEOTEXTILE		Dc-C)	A temporary channel constructed to convey flow around a construction site while a permanent structure is being constructed.	Tc-F	TURBIDITY CURTAIN FLOATING TURBIDITY CURTAINS		Tc-F	A floating or staked barrier installed within the water (it may also be referred to as a floating boom, silt barrier, or silt curtain).	
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.	Tc-S	TURBIDITY CURTAIN STAKED TURBIDITY CURTAINS		Tc-S	A floating or staked barrier installed within the water (it may also be referred to as a floating boom, silt barrier, or silt curtain).	
(Dn1)	TEMPORARY DOWN DRAIN STRUCTURE	111111	(Dn1)	A flexible conduit of heavy-duty fabric or other material designed to safely conduct surface runoff down a slope. This is temporary and inexpensive.	Тр	TOPSOILING		Тр	The practice of stripping off the more fertile soil, storing it, then spreading it over the disturbed area after completion of construction activities.	-
(Dn2)	PERMANENT DOWN DRAIN STRUCTURE		(Dn2)	A paved chute, pipe, sectional conduit or similar material designed to safely conduct surface runoff down a slope.	Tr	TREE PROTECTION		<u>*</u>	To protect desirable trees from injury during construction activity.	-
Fr	FILTER RING		Fr	A temporary stone barrier constructed at storm drain inlets and pond outlets.	Wt	VEGETATED WATERWAY OR STORMWATER CONVEYANCE CHANNEL		Wt	Paved or vegetative water outlets for diversions, terraces, berms, dikes or similar structures.	
Ga	GABIONS		Ga	Rock filter baskets which are hand-placed into position forming soil stabilizing structures.			,			
Gr	GRADE STABILIZATION STRUCTURE		Gr	Permanent structures installed to protect channels or waterways where otherwise the slope would be sufficient for the running water to form gullies.	CODE	PRACTICE	VEGETA DETAIL	TIVE PRACT SYMBOL	ICES DESCRIPTION	
Lv	LEVEL SPREADER		Lv	A structure to convert concentrated flow of water into less erosive sheet flow. This should be constructed only on undisturbed soils.	Bf	BUFFER ZONE		Bf	Strip of undisturbed original vegetation, enhanced or restored existing vegetation or the reestablishment of vegetation surrounding an area of disturbance or bordering streams.	
Rd	ROCK FILTER DAM		Rd	A permanent or temporary stone filter dam installed across small streams or drainage ways.	Cs	COASTAL DUNE STABILIZATION	JEHEN F F F F F F F F F F F F F F F F F F F	Cs	Planting vegetation on dunes that are denuded, artificially constructed, or re-nourished.	-
Re	RETAINING WALL		Re	A wall installed to stabilize cut and fill slopes where maximum permissible slopes are not obtainable. Each situation will require special design.	Ds1	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)		Ds1	Establishing temporary protection for disturbed areas where seedlings may not have a suitable growing season to produce an erosion retarding cover.	-
Rt	RETROFITTING		Rt	A device or structure placed in front of a permanent stormwater detention pond outlet structure to serve as a temporary sediment filter.	Ds2	DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)		Ds2	Establishing a temporary vegetative cover with fast growing seeding on disturbed areas.	
Rt-P	RETROFITTING PERFORATED HALF-ROUND PIPE WITH STONE FILTER		Rt-P	A device or structure placed in front of a permanent stormwater detention pond outlet structure to serve as a temporary sediment filter.	Ds3	DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION)	11. 11. 12. 12. 12. 12. 12. 12. 12. 12.	Ds3	Establishing a permanent vegetative cover such as trees, shrubs, vines, grasses, or legumes on disturbed areas.	
Rt-B	RETROFITTING SLOTTED BOARD DAM WITH STONE OR FILTER FABRIC		Rt-B	A device or structure placed in front of a permanent stormwater detention pond outlet structure to serve as a temporary sediment filter.	Ds4	DISTURBED AREA STABILIZATION (WITH SODDING)		Ds4	A permanent vegetative cover using sods on highly erodible or critically eroded lands.	
Rt-Sg	RETROFITTING SILT CONTROL GATE		Rt-Sg)	A device or structure placed in front of a permanent stormwater detention pond outlet structure to serve as a temporary sediment filter.	Du	DISTORBED AREAS		Du	Controlling surface and air movement of dust on construction site, roadways and similar sites.	
(Sd1)	SEDIMENT BARRIER			A barrier to prevent sediment from leaving the construction site. It may be sandbags, bales of straw or hay, brush, logs and poles, gravel, or a	FI-Co	FLOCCULANTS AND COAGULANTS		FI-Co	Substance formulated to assist in the solids/liquid separation of suspended particles in solution.	
Sd1-NS	SEDIMENT BARRIER TYPE NS: NONSENSITIVE AREAS		Sd1-NS	A barrier to prevent sediment from leaving the construction site. It may be sandbags, bales of straw or hay, brush, logs and poles, gravel, or a silt fence.	Sb	STREAM BANK STABILIZATION		Sb	The use of readily available native plant materials to maintain and enhance steam banks, or to prevent, or restore and repair small stream bank erosion problems.	[
Sd1-S	SEDIMENT BARRIER TYPE S: SENSITIVE AREAS		(§d1-S)	A barrier to prevent sediment from leaving the construction site. It may be sandbags, bales of straw or hay, brush, logs and poles, gravel, or a silt fence.	Ss	SLOPE STABILIZATION		Ss	A protective covering used to prevent erosion and establish temporary or permanent vegetation on steep slopes, shore lines, or channels.	
Sd1-Fs	SEDIMENT BARRIER TYPE S: SENSITIVE AREAS COMPOST FILTER SOCK		Sd1-Fs	A barrier to prevent sediment from leaving the construction site. It may be sandbags, bales of straw or hay, brush, logs and poles, gravel, or a silt fence.	Tac	TACKIFIERS AND BINDERS		Tac	Substance used to anchor straw or hay mulch by causing the organic material to bind together.	
Sd1-BB	SEDIMENT BARRIER BRUSH BARRIER (TIMBER CLEARING ONLY)		Sd1-BB	A barrier to prevent sediment from leaving the construction site. It may be sandbags, bales of straw or hay, brush, logs and poles, gravel, or a silt fence.	Tac-1	TACKIFIERS TYPE I: SYNTHETIC POLYMERS		Tac-1	Substance used to anchor straw or hay mulch by causing the organic material to bind together.	
Sd2	INLET SEDIMENT TRAP	*		An impounding area created by excavating around a storm drain drop inlet. The excavated area will be filled and stabilized on completion of construction activities.	Tac-2	TACKIFIERS TYPE II: ORGANIC POLYMERS		Tac-2	Substance used to anchor straw or hay mulch by causing the organic material to bind together.	Γ
Sd2-E	INLET SEDIMENT TRAP EXCAVATED INLET SEDIMENT TRAP	*		An impounding area created by excavating around a storm drain drop inlet. The excavated area will be filled and stabilized on completion of construction activities.	Гас-3	TACKIFIERS TYPE III: SYNTHETIC/ORGANIC BLENDS		Гас-3	Substance used to anchor straw or hay mulch by causing the organic material to bind together.	
Sd2-F)	INLET SEDIMENT TRAP FILTER FABRIC WITH SUPPORTING FRAME	* * * * * * * * * * * * * * * * * * *		An impounding area created by excavating around a storm drain drop inlet. The excavated area will be filled and stabilized on completion of construction activities.	Гас-4	TACKIFIERS TYPE IV: ORGANIC TACKIFIERS WITH SYNTHETIC FIBERS		Гас-4	Substance used to anchor straw or hay mulch by causing the organic material to bind together.	-
Sd2-B	INLET SEDIMENT TRAP BAFFLE BOX	* * * * * * * * * * * * * * * * * * *		An impounding area created by excavating around a storm drain drop inlet. The excavated area will be filled and stabilized on completion of construction activities.	Гас-5	TACKIFIERS TYPE V: SYNTHETIC/ORGANIC BLENDS WITH SYNTHETIC FIBERS		Tac-5	Substance used to anchor straw or hay mulch by causing the organic material to bind together.	-
Sd2-Bg	INLET SEDIMENT TRAP BLOCK AND GRAVEL DROP INLET PROTECTION			An impounding area created by excavating around a storm drain drop inlet. The excavated area will be filled and stabilized on completion of construction activities.						
Sd2-G	INLET SEDIMENT TRAP GRAVEL DROP INLET	* * * * * * * * * * * * * * * * * * *		An impounding area created by excavating around a storm drain drop inlet. The excavated area will be filled and stabilized on completion of construction activities.						
_	PROTECTION	***************************************		An impounding area created by excavating around a storm drain drop						

An impounding area created by excavating around a storm drain drop

inlet. The excavated area will be filled and stabilized on completion of

construction activities.

INLET SEDIMENT TRAP

SOD INLET PROTECTION

OUEET	\//\	NO	GASWCC CHECKLIST
SHEET		NO.	CHECKLIST DESCRIPTION The applicable Erosion, Sedimentation and Pollution Control Plan Checklist established by the Commission as of January 1 of the year
C-4.2	Y	1.)	which the land-disturbing activity was permitted.
C-4.0	Y	2.)	Level II certification number issued by the Commission, signature and seal of the certified design professional. Limit of disturbance shall be no greater than 50 acres at any one time without prior written authorization from the EPD district office. If
C-4.0	Y	3.)	EPD approves the request to disturb 50 acres or more at any one time, the plan must include at least 4 of the BMP's listed in Appendix of this checklist.*
C-4.0	Y	4.)	The name and phone number of the 24-hour local contact responsible for erosion, sedimentation and pollution controls.
C-4.0 C-4.3 - C-4.5	Y		Provide name, address, email address and phone number of primary permittee. Note total and disturbed acreage of the project or phase under construction.
C-4.0	Y		Provide the GPS location of the construction exit for the site. Give the Latitude and Longitude in decimal degrees.
C-4.0	Y	-	Initial date of the Plan and the dates of any revisions made to the Plan including the entity who requested therevisions.
C-4.0 C-4.0	Y		Description of the nature of construction activity Provide vicinity map showing site's relation to surrounding areas. Include designation of specific phase, if necessary.
C-4.0	Y	11.)	Identify the project receiving waters and describe all sensitive adjacent areas including streams, lakes, residential areas, wetlands, etc
C-4.0	Y	12.)	which may be affected. Design Professional's certification statement and signature that the site was visited prior to development of the ES&PC Plan as Stated
C-4.0	Y	13.)	Part IV page 19 of the permit. Design Professional's certification statement and signature that the permittee's ES&PC Plan provides for an appropriate and
		<u> </u>	comprehensive system of BMP's and sampling to meet permit requirements as stated on Part IV page 19 of the permit.* Clearly note the statement that "The design professional who prepared the ES&PC Plan is to inspect the installation of the initial
C-4.0	Y	14.)	sediment storage requirements and perimeter control BMP's within 7 days after installation." in accordance with Part IV.A.5 of this perr Clearly note the statement that "Non-exempt activities shall not be conducted within the 25 or 50-foot undisturbed stream buffers as
C-4.0	Y	15.)	measured from the point of wrested vegetation without first acquiring the necessary variances and permits."
C-4.0	Y	16.)	Provide a description of any buffer encroachments and indicate whether a buffer variance is required. Clearly note the statement that "Amendments/revisions to the ES&PC Plan which have a significant effect on BMP's with a hydraulic
C-4.0	Y	17.)	component must be certified by the design professional."*
C-4.0	Y	18.)	Clearly note the statement that "Waste materials shall not be discharged to waters of the State, except as authorized by a section 404 permit."*
C-4.0	Y	19.)	Clearly note statement that "The escape of sediment from the site shall be prevented by the installation fo erosion and sediment control measures and practices prior to land disturbing activities."
C-4.1	Y	20.)	Clearly note statement that "Erosion control measures will be maintained at all times. If full implementation of the approved plan does provide for effective erosion control, additional erosion and sediment control measures shall be implemented to control or treat the
C-4.1	Y	21.)	sediment source." Clearly note the statement "Any disturbed area left exposed for a period greater than 14 days shall be stabilized with mulch or temporal seeding."
C-4.1	Y		seeding." Any construction activity which discharges stormwater into an impaired stream segment, or within 1 linear mile upstream of an within the same watershed as, any portion of a Biota Impaired Stream Segment must comply with Part III.C of the Permit. Include the completed
C-4.1	Y	23.)	Appendix 1 listing all the BMP's that will be used for those areas of the site which discharge to the Impaired Stream Segment.* If a TMDL implementation Plan for sediment has been finalized for the Impaired Stream Segment (identified in item 21 above) at least months prior to submittal of a NOI, the ES&PC Plan must address any site-specific conditions or requirements included in the TMDL
		,	Plan.* BMP'S for concrete washdown of tools, concrete mixer chutes, hoppers, and the rear of the vehicles. Washout of the drum at the
C-4.1 C-4.1	Y	24.) 25.)	construction site is prohibited.* Provide BMP's for the remediation of all petroleum spills and leaks.
C-4.1	Y	26.)	Description of the measures that will be installed during the construction process to control pollutants in stormwater that will occur after construction operations have been completed.*
C-4.1 C-4.1	Y Y	-	Description of practices to provide cover for building materials and building products on site.* Description of the practices that will be used to reduce the pollutants in stormwater discharges.*
C-4.1	Y		Description and chart or timeline of the intended sequence of major activities which disturb soils for the major portions of the site (i.e., initial perimeter and sediment storage BMP's, clearing & grubbing activities, excavation activities, utility activities, temporary and final stabilization).
C-4.1	Y		Provide complete requirements of inspections and record keeping by the primary permittee.*
C-4.1	Y		Provide Complete requirements of sampling frequency and reporting of sampling results.*
C-4.1	Y	32.)	Provide complete details for retention of records as per Part IV.F of the permit.* Description of analytical methods to be used to collect and analyze the samples from each location.*
C-4.1	Y	34.)	Appendix B rationale for NTU values at all outfall sampling points where applicable.*
C-4.1	Y	35.)	Delineate all sampling locations, perennial and intermittent streams, and other water bodies into which stormwater is discharged.* A description of the appropriate controls and measures that will be implemented at the construction site including: (1) initial sediment
C-4.2	Y		storage requirements and perimeter control BMPs, (2) intermediate grading and drainage BMPs, and (3) final BMPs. For construction sites where there will be no mass grading and the initial perimeter control BMPs, intermediate grading and drainage BMPs, and final
			BMP's are the same, the plan may combine all of the BMPs into a single phase.*
C-4.3 - C-4.5	Y	37.)	Graphic Scale and North Arrow Existing and proposed contour lines with contour lines drawn at an interval in accordance with the following:
C-4.X	Y	38.)	SCALE: 1"=100' OR LARGER Ground Slope (%) Flat (0-2%) Rolling (2-8%) Contour Intervals (ft) 1 or 2
			Steep (8%+) 2, 5, or 10 Use of alternative BMPs whose performance has been documented to be equivalent to or superior to conventional BMPs as certified by
	N/A	39.)	Design Professional (unless disapproved by EPD or the Georgia Soil and Water Conservation Commission). Please refer to the Alternative BMP Guidance Document found at www.gaswcc.org
	N/A	40.)	Use of alternative BMP for application to the Equivalent BMP List. Please refer to Appendix A-2 of the Manual for Erosion & Sediment Control in Georgia 2016 Edition.*
C-4.3 - C-4.5	Y	41.)	Delineation of the applicable 25-foot or 50-foot undisturbed buffers adjacent to state waters and any additional buffers required by the local issuing authority. Clearly note and delineate all areas of impact.
C-4.3 - C-4.5	Y	42.)	Delination of on-site wetlands and all state waters located on and within 200 feet of the project site.
C-4.3 - C-4.5	Y		Delineation and acreage of contributing drainage basins on the project site. Provide hydrology study and maps of drainage basins for both the pre- and post- developed conditions.*
C-4.3 - C-4.5 C-4.3 - C-4.5	Y		An estimate of hte runoff coefficient or peak discharge flow of the site prior to and after construction activities are completed.
C-4.3 - C-4.5	Y	46.)	Storm-drain pipe and weir velocities with appropriate outlet protection to accommodate discharges without erosion. Identify/Delineate storm water discharge points.
C-4.3 - C-4.5	Y	47.)	Soil series for the project site and their delineation. The limits of disturbance for each phase of construction.
C-4.3 - C-4.5	Y	48.)	The limits of disturbance for each phase of construction. Provide a minimum of 67 cubic yards of sediment storage per acre drained using a temporary sediment basin, retrofitted detention por
C-4.3 - C-4.5	Y	49.)	and/or excavated inlet sediment traps for each common drainage location. Sediment storage volume must be in place prior to and durall land disturbance activities until final stabilization of the site has been achieved. A written justification explaining the decision to use equivalent controls when a sediment basin is not attainable must be included in the plan for each common drainage location in which sediment basin is not provided. A written justification as to why 67 cubic yards of storage is not attainable must also be given. Worksheets from the Manual must be included for structural BMPs and all calculations used by the design professional to obtain the required sediment storage when using equivalent controls. When discharging from sediment basins and impoundments, permittees at required to utilize outlet structures that withdraw water from the surface, unless infeasible. If outlet structures that withdraw water from the surface are not feasible, a written justification explaining this decision must be included in the plan.
C-4.3 - C-4.5	Y	50.)	Location of Best Management Practices that are consistent with and no less stringent than the Manual for Erosion and Sediment Control
C-4.6 - C-4.8	Y	51)	in Georgia. Use uniform coding symbols from the Manual, Chapter 6 with legend. Provide detailed drawings for all structural practices. Specifications must, at a minimum, meet the guidelines set forth in the Manual for
C-4.3 - C-4.5	Y	,	Erosion and Sediment Control in Georgia. Provide vegetative plan, noting all temporary and permanent vegetative practices. Include species, planting dates, and seeding, fertilizlime, and mulching rates. Vegetative plan shall be site specific for appropriate time of year that seeding will take place and for the
J 1.0 - O -4 .0		·	appropriate geographic region of Georgia. t is less than 1 acre and not part of a common development but within 200 ft of a perenial stream the * checklist items would be N/A
f using this check	ist f∩r a n	rolect tha	LISTESS UIDIT I DOLE AND NOLDAN OLA COMMINIO DEVELOCIMENTO DI MINIMI ZOO IL DI A DEFENIA STEAM THE TOTAL MANTIMI DE MANTI

SOIL TYPE

FANNIN FINE SANDY LOAM, 10 TO 25
PERCENT SLOPE

HIE HAYESVILLE SANDY LOAM, 10 TO 25
PERCENT SLOPES

LEGEND									
CODE	PRACTICE	DETAIL	SYMBOL	DESCRIPTION					
N/A	BASIN DELINEATION	N/A							
N/A	LIMITS OF DISTURBANCE	N/A	LOD						
N/A	SOIL DELINEATION	N/A							

SEE SHEET SERIES C-4 FOR EROSION AND SEDIMENTATION CONTROL PLANS

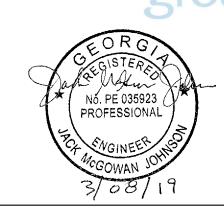
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FORESITE



COUNTY
SENIOR
CENTER
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Revisions

o. Date Description

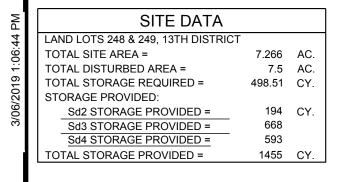
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ATE

PROJECT NUMBER

EROSION,
SEDIMENTATION, &
POLLUTION
CONTROL NOTES

C-42



SOIL TYPE FANNIN FINE SANDY LOAM, 10 TO 25 PERCENT SLOPE HAYESVILLE SANDY LOAM, 10 TO 25 PERCENT SLOPES

EROSION NOTES:

- 1. THE INSTALLATION OF EROSION CONTROL MEASURES AND PRACTICES SHALL TAKE PLACE PRIOR TO OR CONCURRENT WITH ALL LAND DISTURBING ACTIVITIES THROUGHOUT THE ENTIRE
- 2. ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.
- 3. EROSION AND SEDIMENT 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.
- 4. THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, ALL LAND DISTURBING ACTIVITIES THROUGHOUT THE ENTIRE PROJECT.
- 5. THE CONTRACTOR SHALL REMOVE ACCUMULATED SILT WHEN THE ACCUMULATED SILT IS ONE-THIRD (1/3) FULL FOR ALL EROSION & SEDIMENT CONTROL STRUCTURES.
- 6. MAINTENANCE OF ALL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES AND PRACTICES, WHETHER TEMPORARY OR PERMANENT, SHALL BE AT ALL TIMES THE RESPONSIBILITY OF THE PROPERTY OWNER.
- . SEE ADDITIONAL EROSION CONTROL NOTES ON SHEETS C-4 THROUGH C-4.2

EXCAVATED INLET BASIN #1

- . DRAINAGE AREA = 1.36 AC. 2. REQUIRED SEDIMENT STORAGE = 67 CY/AC * DRAINAGE AREA REQUIRED SEDIMENT STORAGE = 67 CY/AC * 1.36 AC. REQUIRED SEDIMENT STORAGE = 91 CY = 2460 CF
- PROVIDED SEDIMENT STORAGE = $\overline{97}$ CY = $\overline{2619}$ CF 3. ASSUME EXCAVATION **DEPTH** (MINIMUM OF 1.5 FT.) = **3** FT
- 5. DETERMINE REQUIRED SURFACE AREA SAmin = REQUIRED SEDIMENT STORAGE / EXCAVATION DEPTH SAmin = 2619 CY / 3 FT
- ASSUME SHAPE OF EXCAVATION AND DETERMINE DIMENSIONS.
 (A RECTANGULAR SHAPE WITH 3:1 LENGTH TO WIDTH RATIO IS

DIMENSIONS: L = 60 FT W = 22 FT

EXCAVATED INLET BASIN #2

- 1. **DRAINAGE AREA = 1.34** AC. 2. REQUIRED SEDIMENT STORAGE = 67 CY/AC * DRAINAGE AREA REQUIRED SEDIMENT STORAGE = 67 CY/AC * 1.34 AC.
 - REQUIRED SEDIMENT STORAGE = 90 CY = 2424 CF PROVIDED SEDIMENT STORAGE = 97 CY = 2619 CF





Call before you dig.

SIGNATURE OF ENGINEER

000006080827

CERTIFICATION #

2019-03-24

EXPIRATION

SCALE IN FEET

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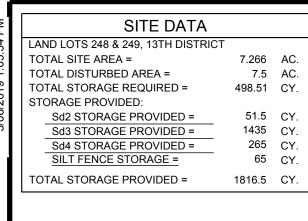
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Date	Description

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PROJECT NUMBER

INITIAL EROSION, SEDIMENTATION, & POLLUTION CONTROL PLAN



SOIL TYPE

FANNIN FINE SANDY LOAM, 10 TO 25 PERCENT SLOPE

HAYESVILLE SANDY LOAM, 10 TO 25 HIE PERCENT SLOPES

EROSION NOTES:

- . THE INSTALLATION OF EROSION CONTROL MEASURES AND PRACTICES SHALL TAKE PLACE PRIOR TO OR CONCURRENT WITH ALL LAND DISTURBING ACTIVITIES THROUGHOUT THE ENTIRE PROJECT.
- 2. ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR **TEMPORARY SEEDING.**
- **EROSION AND SEDIMENT 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.
- 4. THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, ALL LAND DISTURBING ACTIVITIES THROUGHOUT THE ENTIRE PROJECT.
- 5. THE CONTRACTOR SHALL REMOVE ACCUMULATED SILT WHEN THE ACCUMULATED SILT IS ONE-THIRD (1/3) FULL FOR ALL EROSION & SEDIMENT CONTROL STRUCTURES.
- MAINTENANCE OF ALL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES AND PRACTICES, WHETHER TEMPORARY OR PERMANENT, SHALL BE AT ALL TIMES THE RESPONSIBILITY OF THE PROPERTY OWNER.
- 7. SEE ADDITIONAL EROSION CONTROL NOTES ON SHEETS C-4

Know what's **below**.

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′`	310113							
	Date	Description						
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DATE

SCALE IN FEET

PROJECT NUMBER

INTERMEDIATE EROSION, **SEDIMENTATION, & POLLUTION CONTROL PLAN**



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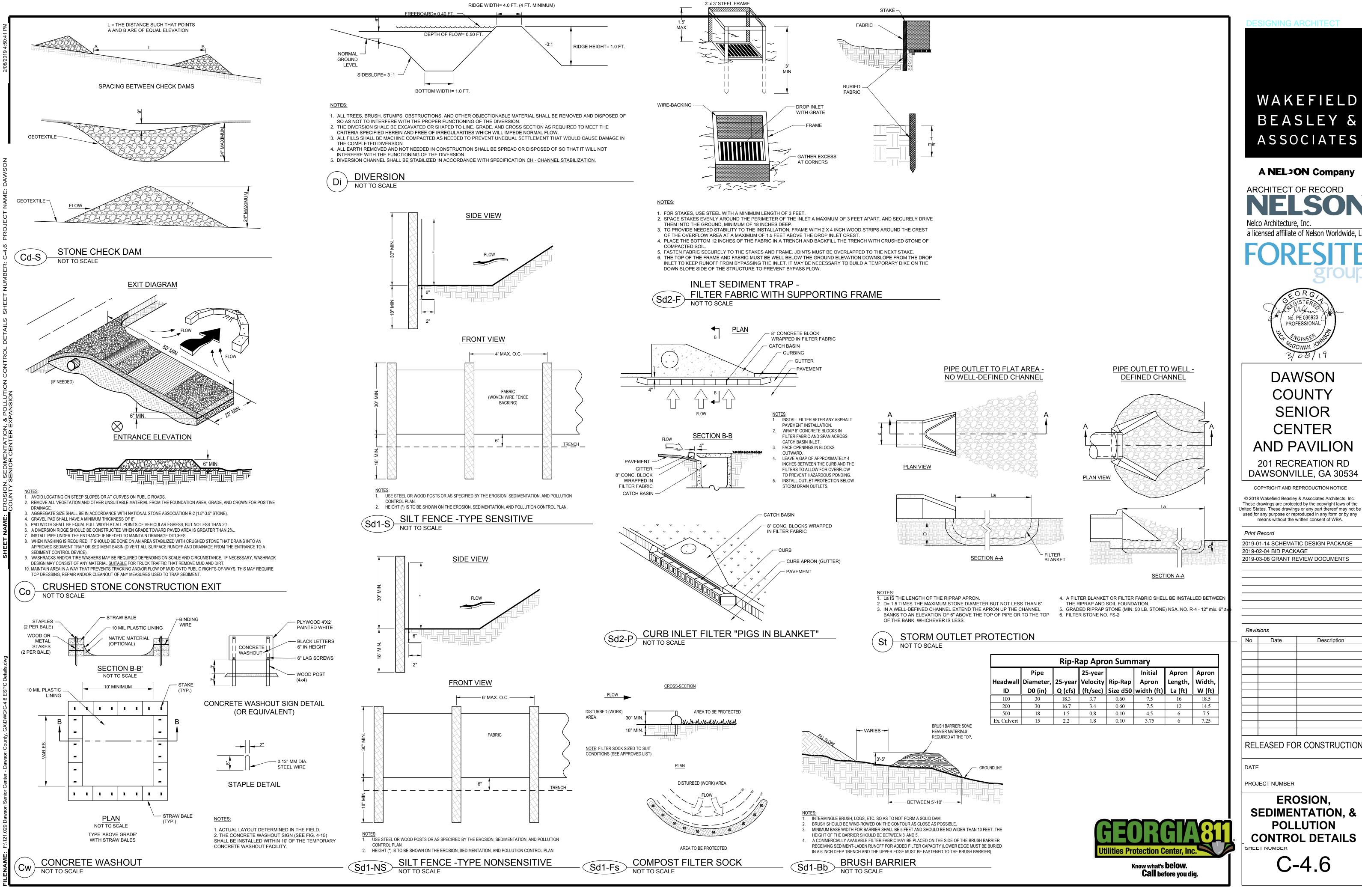
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Date	Description

RELEASED FOR CONSTRUCTION

PROJECT NUMBER

FINAL EROSION, SEDIMENTATION, & **POLLUTION CONTROL PLAN**



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Revisions								
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PROJECT NUMBER

EROSION, SEDIMENTATION, & **POLLUTION CONTROL DETAILS**

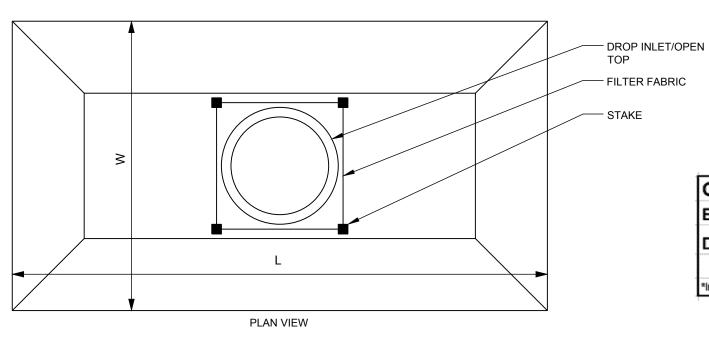
NOTES:

- 1. FOR STAKES, USE STEEL WITH A MINIMUM LENGTH OF 3 FEET.
- 2. SPACE STAKES EVENLY AROUND THE PERIMETER OF THE INLET A MAXIMUM OF 3 FEET APART, AND SECURELY DRIVE THEM INTO THE GROUND, MINIMUM OF 18 INCHES DEEP.
- 3. TO PROVIDE NEEDED STABILITY TO THE INSTALLATION, FRAME WITH 2 X 4 INCH WOOD STRIPS AROUND THE CREST OF THE OVERFLOW AREA AT A MAXIMUM OF 1.5 FEET ABOVE THE DROP INLET CREST.
- FASTEN FABRIC SECURELY TO THE STAKES AND FRAME. JOINTS MUST BE OVERLAPPED TO THE NEXT STAKE.
 THE TOP OF THE FRAME AND FABRIC MUST BE WELL BELOW THE GROUND ELEVATION DOWNSLOPE FROM THE DROP INLET TO KEEP RUNOFF FROM BYPASSING THE INLET. IT MAY BE NECESSARY TO BUILD A TEMPORARY DIKE ON THE DOWN SLOPE SIDE OF THE STRUCTURE TO PREVENT BYPASS FLOW.

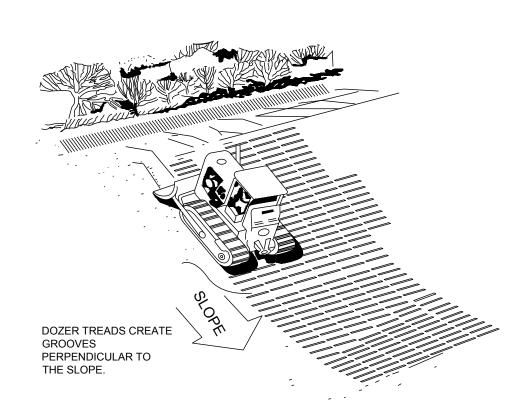
INLET SEDIMENT TRAP -

FILTER FABRIC WITH SUPPORTING FRAME

NOT TO SCALE

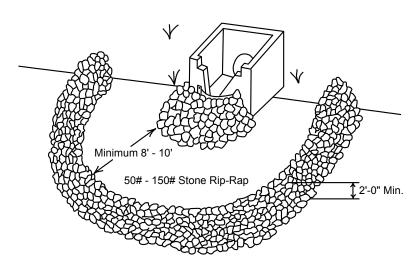


EXCAVATED INLET SEDIMENT TRAP

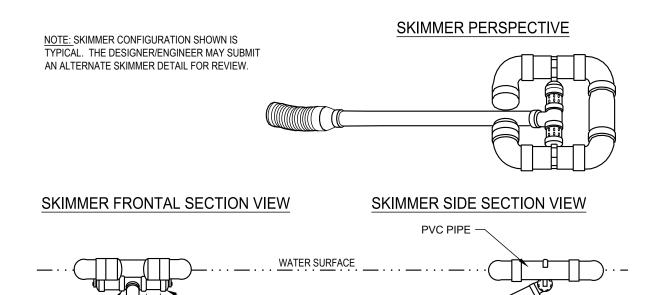


SURFACE ROUGHENING - WITH TRACKING





FILTER RING NOT TO SCALE



ORIFICE PLATE

SKIMMER DEVICE NOT TO SCALE

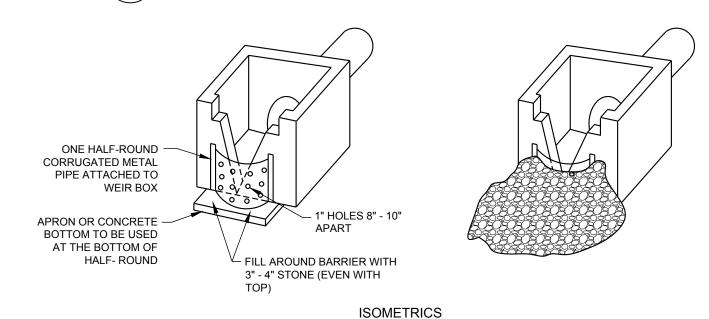
PVC END CAP

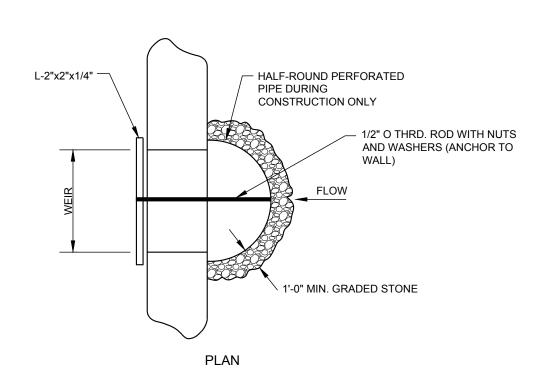
PVC PIPE WITH

HOLES IN UNDERSIDE

Calculate Skimmer Size				
Basin Volume in Cubic Feet	227,835	Cu.Ft	Skimmer Size	8.0 Inch
Days to Drain*	3	Days	Orifice Radius	3.5 Inch[e:
			Orifice Diameter	7.0 Inch[e:
≛In NC assume 3 days to drain				\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$

SKIMMER DEVICE NOT TO SCALE

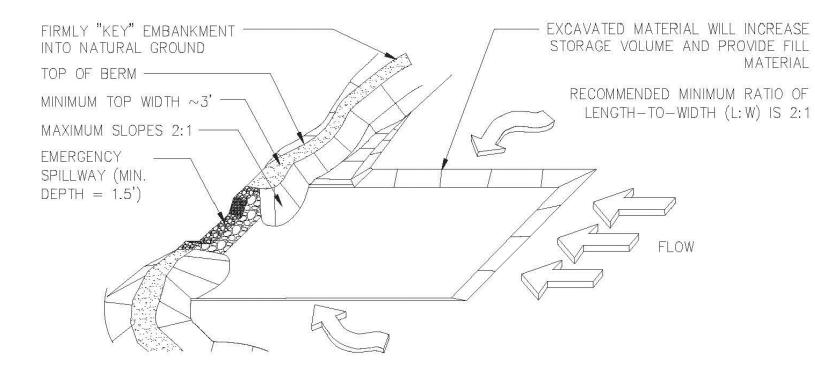


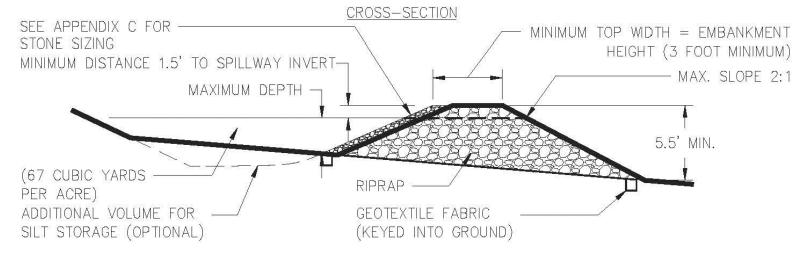


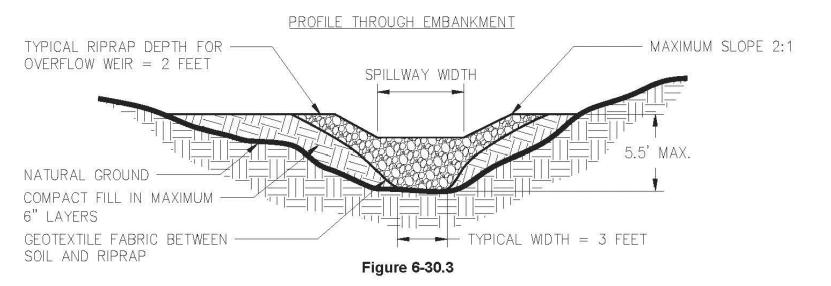
RETROFITTING PERFORATED HALF-ROUND PIPE WITH STONE FILTER NOT TO SCALE

TEMPORARY SEDIMENT TRAP

COURTESY OF CITY OF KNOXVILLE BMP EROSION AND SEDIMENT ROCK OUTLET







6-189 GSWCC 2016 Edition

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No Date

140.	Date	Description

RELEASED FOR CONSTRUCTION

PROJECT NUMBER

EROSION, SEDIMENTATION, & POLLUTION CONTROL DETAILS

FULL COVERAGE OF THE EXPOSED AREA.

ANCHORING MULCH

WITHOUT VEGETATION

- SITE PREPARATION
- INSTALL NEEDED EROSION CONTROL MEASURES AS REQUIRED SUCH AS DIKES, DIVERSIONS, BERMS, TERRACES AND SEDIMENT BARRIERS.

WHEN MULCH IS USED WITHOUT SEEDING, MULCH SHALL BE APPLIED TO PROVIDE

MULCHING FOR TEMPORARY STABILIZATION APPLICATION

MULCH MATERIALS AND APPLICATION RATES						
MATERIAL	RATE					
STRAW OR HAY	2-4" DEEP					
WOOD WASTE, CHIPS, SAW DUST, OR BARK	2-3" DEEP (ABOUT 6-9 TONS/ACRE)					
MATTING OR NETTING	ACCORDING TO MANUFACTURER RECOMMENDATIONS					
POLYETHYLENE FILM	CAN BE LAID OVER SENSITIVE AREAS AND STOCKPILES, MUST BE SECURED.					

 \beth DISTURBED AREA STABILIZATION (WITH

ANCHORING MULCH

GRADE TO PERMIT THE USE OF EQUIPMENT FOR APPLYING AND 1 STRAW OR HAY MUI CH CAN BE PRESSED INTO THE SOIL WITH A DISK HARROW WITH THE DISK SET STRAIGHT OR WITH A SPECIAL "PACKER DISK." DISKS MAY BE SMOOTH OR SERRATED AND SHOULD BE 20 INCHES OR MORE IN DIAMETER AND 8 TO 12 INCHES APART. THE EDGES OF THE 3. LOOSEN COMPACT SOIL TO A MINIMUM DEPTH OF 3 INCHES. DISK SHOULD BE DULL ENOUGH NOT TO CUT THE MULCH BUT TO PRESS INTO THE SOIL LEAVING MUCH OF IT IN AN ERECT POSITION. STRAW OR

THE NORMAL AMOUNT.

HAY MULCH SHALL BE ANCHORED IMMEDIATELY AFTER APPLICATION. STRAW OR HAY MUI CH SPREAD WITH SPECIAL BLOWER-TYPE FOUIPMENT MAY BE ANCHORED WITH EMULSIFIED ASPHALT (GRADE AE-5 OR SS-1. THE ASPHALT EMULSION SHALL BE SPRAYED ONTO THE MULCH AS IT IS EJECTED FROM THE MACHINE. USE 100 GALLONS OF EMULSIFIED ASPHALT AND 100 GALLONS OF WATER PER TON OF MULCH. TACKIFERS AND BINDERS CAN BE SUBSTITUTED FOR EMULSIFIED ASPHALT PLEASE REFER TO SPECIFICATION TB - TACKIFERS AND BINDERS. PLASTIC MESH OR NETTING WITH MESH NO LARGER THAN ONE INCH BY ONE INCH SHALL BI

DRY STRAW OR HAY MULCH AND WOOD CHIPS SHALL BE APPLIED

VEGETATION, ADD 20-30 POUNDS OF NITROGEN PER ACRE IN ADDITION TO

IF THE AREA WILL EVENTUALLY BE COVERED WITH PERENNIAL

UNIFORMLY BY HAND OR BY MECHANICAL EQUIPMENT.

- 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 ANCHOR TRENCHED AT THE TOP AS WELL AS INCREMENTALLY AS NECESSARY

AND SOME HYDRAULIC MULCH, THEN TOPPED WITH THE REMAINING REQUIRED APPLICATION RATE.

GRADING AND SHAPING

TEMPORARY SEEDING

- 1. EXCESSIVE WATER RUNOFF SHALL BE REDUCED BY PRACTICES SUCH AS CLOSED DRAINS, DITCHES, DIKES, DIVERSIONS, AND OTHERS 2. NO SHAPING OR GRADING IS REQUIRED IF SLOPES CAN BE STABILIZED BY HAND-SEEDED VEGETATION OR IF HYDRAULIC SEEDING EQUIPMENT
- **SEEDBED PREPARATION** 1. WHEN A HYDRAULIC SEEDER IS USED, SEEDBED PREPARATION IS NOT

IS TO BE USED

- REQUIRED WHEN USING CONVENTIONAL OR HAND-SEEDING SEEDRED PREPARATION IS NOT REQUIRED IF THE SOIL MATERIAL IS LOOSE AND NOT SEALED BY RAINFALL
- 2. WHEN SOIL HAS BEEN SEALED BY RAINFALL OR CONSISTS OF SMOOTH CUT SLOPES, THE SOIL SHALL BE PITTED, TRENCHED OR OTHERWISE SCARIFIED TO PROVIDE A PLACE FOR SEED TO LODGE AND GERMINATE.

LIME AND FERTILIZER

- 1. SOIL TESTS MUST BE PERFORMED DETERMINE THE REQUIRED AMOUNTS OF FERTILIZER. LIME. AND OTHER AMENDMENTS. SOIL TESTS SHOULD INCLUDE RECOMMENDATIONS FOR APPLICATION RATES.
- 2 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
- 3. ALL GRADED AREAS REQUIRE LIME APPLICATION UNLESS SOIL TEST INDICATE OTHERWISE.
- 4. BIOSTIMULANTS SHOULD ALSO BE CONSIDERED WHEN THERE IS LESS THAN 3% ORGANIC MATTER IN THE SOIL.
- 5. FERTILIZER SHOULD BE APPLIED BEFORE SEEDBED PREPARATION AND

INCORPORATED WITH A DISK, RIPPER, OR CHISEL. ON SLOPES TOO STEEP FOR, OR INACCESSIBLE TO EQUIPMENT, FERTILIZER SHALL BE HYDRAULICALLY APPLIED. PREFERABLY IN THE FIRST PASS WITH SEED

6. FOR LOW FERTILITY SOILS, AGRICULTURAL LIME & FERTILIZER AT 1 TON PER ACRE.

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 (SLURRY INCLUDING SEED 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.

TEMPORARY VEGETATION CAN, IN MOST CASES, BE ESTABLISHED ENHANCE GERMINATION AND VEGETATION ESTABLISHMENT. MULCH WITHOUT SEEDING SHOULD BE CONSIDERED FOR SHORT TERM

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.

DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)									
0050	F0	SEEDING RATE PER	SEEDING	PLANTING DATES					
SPECI	SPECIES		ACRE*	RATE PER ACRE* MTNS./ LIMESTONE		COASTAL			
BARLEY	(ALONE) (IN MIXTURE)	3.3 LBS. 0.6 LBS.	3 bu. 1/2 bu.	9/1-10/31	9/15-11/15	10/1-12/31			
RYE	(ALONE) (IN MIXTURE)	3.9 LBS. 0.6 LBS.	3 bu. 1/2 bu.	8/15-10/31	9/15-11/30	10/1-12/31			
ANNUAL RYEGRASS	ALONE	0.9 LBS.	40 LBS.	8/15-11/15	9/1-12/15	9/15-12/31			
ANNUAL LESPEDEZA	(ALONE) (IN MIXTURE)	0.9 LBS. 0.2 LBS.	40 LBS. 10 LBS.	3/1-3/31	3/1-3/31	2/1-2/28			
WEEPING LOVEGRASS	(ALONE) (IN MIXTURE)	0.1 LBS. 0.05 LBS.	4 LBS. 2 LBS.	4/1-5/31	4/1-5/31	3/1-5/31			
SUDANGRASS		1.4 LBS.	60 LBS.	5/1-7/31	5/1-7/31	4/1-7/31			
BROWN TOP MILLET	(ALONE) (IN MIXTURE)	0.9 LBS. 0.2 LBS.	40 LBS. 10 LBS.	4/15-6/15	4/15-6/60	4/15-6/30			
WHEAT	(ALONE) (IN MIXTURE)	4.1 LBS. 0.7 LBS.	3 bu. 1/2 bu.	9/15-11/30	10/1-12-15	10/15-12/31			

- 1. UNUSUAL SITE CONDITIONS MAY REQUIRE HEAVIER SEEDING RATES. 2. SEEDING DATES MAY NEED TO BE ALTERED TO FIT TEMPERATURE VARIATIONS AND LOCAL CONDITIONS.
- 3. SEE "THE MANUAL FOR EROSION & SEDIMENT CONTROL IN GEORGIA, SIXTH EDITION" FOR MAJOR LAND
- RESOURCE AREAS. 4. SEEDING RATES ARE BASED ON PURE LIVE SEED. (PLS)

- APPLY IN SPLIT APPLICATIONS WHEN HIGH RATES ARE USED

- APPLY IN 3 SPLIT APPLICATIONS

REQUIRED UNLESS SOIL TESTS SHOW IT IS NOT REQUIRED AND THAT SOILS ARE REASONABLY FERTILE. FOR LOW FERTILITY SOILS, APPLY 10-10-10 FERTILIZER AT 500-700 LB/ACRE. APPLY AGRICULTURAL LIME

WITHOUT THE USE OF MULCH, PROVIDED THERE IS LITTLE TO NO EROSION POTENTIAL HOWEVER THE USE OF MULICH CAN OFTEN ACCELERATE AND

PROTECTION. REFER TO DS1 - DISTURBED AREA STABILIZATION (Ds1).

SUBSEQUENT APPLICATIONS SHOULD BE MADE WHEN NEEDED.

SEEDBED PREPARATION

BROADCAST PLANTINGS

- 2. TILLAGE MAY BE DONE WITH ANY SUITABLE EQUIPMENT
- 3. TILLAGE SHOULD BE DONE ON THE CONTOUR WHERE FEASIBLE. 4. ON SLOPES TOO STEEP FOR THE SAFE OPERATION OF TILLAGE EQUIPMEN 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

1. ALL INDIVIDUAL PLANTINGS SHOULD BE PERFORMED IN ACCORDANCE WITH LANDSCAPE OR TREE REPLACEMENT PLANS.

PLANTING AND FERTILIZER SCHEDULE FOR PERMANENT GRASSING PURE LIVE **FERTILIZER** RATE PLANTING DATES YEARS TO SEED (PLS) ANALYSIS **FERTILIZER** PER APPLY SPECIES DRESSING PER RATE (lb/Ac) ACRE FERTILIZER RATE MTNS./ PIEDMONT COASTAL 1,000 S.F LIMESTONE WEEPING LOVEGRASS 0.1 LBS. 4 LBS. 3/15 - 6/15 3/1 - 6/15 2/1 - 6/15 FIRST 1500 50 VIRGATA OR SERICEA LESPEDEZA 1.4 LBS. 40 LBS. SECOND 3/15 - 6/15 3/1 - 6/15 2/15 - 6/1 SERICEA LESPEDEZA SEEDBEARING HAY 138 LBS. 3 TONS 10/1 - 3/1 10/1 - 3/1 10/15 - 2/1 FIRST 1500 50 OVERSEEDED WEEPING LOVEGRASS 0.05 LBS. 2 LBS. 3/1 - 6/15 3/1 - 6/15 2/1 - 6/15 SECOND 1000 **HULLED COMMON BERMUDAGRASS** 0.2 LBS. 10 LBS. 2/15 - 7/1 2/15 - 6/15 50 SERICEA LESPEDEZA 1.4 LBS. 1000 60 LBS. N/A 3/1 - 6/15 2/15 - 6/15 SECOND UNHULLED COMMON BERMUDAGRASS 0.2 LBS. 10 LBS. N/A 11/1 - 2/1 1500 50 | 6 | 12 | 12 1.4 LBS. 40 LBS. N/A 3/1 - 6/15 SECOND 0 | 10 | 10 | 1000 VIRGATA OR SERICEA LESPEDEZA SEED HAY 140 LBS. 3 TONS 10/1 - 3/1 10/15 - 2/1 TALL FESCUEGRASS 0.7 LBS 8/1 - 11/1 8/15 - 11/1 2/15 - 6/1 FIRST 6 | 12 | 12 | 1500 50(1) 30LBS 3/1 - 6/15 SECOND 1000 1.4 LBS. 40 LBS. 3/1 - 4/15 (3/15 -0 | 10 | 10 | CLEAN COMBINE RUN VIRGATA OR SERICEA LESPEDEZA 5/1 FOR LESPEDEZA 0-50(1),(2) 1500 6 | 12 | 12 | TALL FESCUEGRASS (ALONE) 3/1-5/1, 8/15-11/1 1.1 LBS 50LBS 9/1-11/1 N/A FESTUCA ARUNDINACEA **SECOND** 1500 50-100 6 | 12 | 12 COMMON BERMUDA, HULLED ALONE 3/15-5/31 0.2 LBS. 10 LBS. 4/1-4/31 CYNODON DACTYLON SECOND 50-100 6 | 12 | 12 FIRST 6 | 12 | 12 | 1500 50-100 COMMON BERMUDA, UNHULLED 0.2 LBS. 10 LBS. 10/1-3/1 11/1-2/1 CYNODON DACTYLON (PLANT WITH WINTER ANNUALS SECOND 6 | 12 | 12 | 800 50-100 - APPLY IN SPRING FOLLOWING SEEDING 4 - APPLY WHEN PLANTS ARE PRUNED

5 - APPLY TO GRASS SPECIES ONLY

6 - APPLY WHEN PLANTS GROW TO A HEIGHT OF 2-4 INCHES.

DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION)

INOCULANTS

PLANTING

HYDRAULIC SEEDING

AFTER THE MIXTURE IS MADE.

CONVENTIONAL SEEDING

NO-TILL SEEDING

DATES ON THE CONTAINER.

1. ALL LEGUME SEED SHALL BE INOCULATED WITH APPROPRIATE

RECOMMENDED BY THE MANUFACTURER SHALL BE USED.

NITROGEN-FIXING BACTERIA. THE INOCULANT SHALL BE A PURE CULTURE

PREPARED SPECIFICALLY FOR THE SEED SPECIES AND USED WITHIN THE

2. A MIXING MEDIUM RECOMMENDED BY THE MANUFACTURER SHALL BE USED

FOR HYDRAULIC SEEDING, FOUR TIMES THE AMOUNT OF INOCULANT

. ALL INOCULATED SEED SHALL BE PROTECTED FROM THE SUN AND HIGH

TEMPERATURES AND SHALL BE PLANTED THE SAME DAY INOCULATED. NO

INOCULATED SEED SHALL REMAIN IN THE HYDROSEEDER LONGER THAN ONE

MIX THE SEED (INOCULATED IF NEEDED), FERTILIZER, AND WOOD CELLULOSE

OR WOOD PULP FIBER MULCH WITH WATER AND APPLY IN A SLURRY

UNIFORMLY OVER THE AREA TO BE TREATED. APPLY WITHIN ONE HOUR

SEEDING WILL BE DONE ON A FRESHLY PREPARED AND FIRMED SEEDBED.

FOR BROADCAST PLANTING, USE A CULTIPACKER-SEEDER, DRILL, ROTARY

SEEDER, OTHER MECHANICAL SEEDER, OR HAND SEEDING TO DISTRIBUTE

THE SEED UNIFORMLY OVER THE AREA TO BE TREATED. COVER THE SEED

LIGHTLY WITH 1/8 TO 1/4 INCH OF SOIL FOR SMALL SEED AND 1/2 TO 1 INCH

FOR LARGE SEED WHEN USING A CULTIPACKER OR OTHER SUITABLE

NO-TILL SEEDING IS PERMISSIBLE INTO ANNUAL COVER CROPS WHEN

BE UNIFORMLY DISTRIBUTED AND PLANTED AT THE PROPER DEPTH.

PLANTING IS DONE FOLLOWING MATURITY OF THE COVER CROP OR IF THE

GROWTH OF THE PERMANENT (PERENNIAL) SPECIES, NO-TILL SEEDING SHALL

BE DONE WITH APPROPRIATE NO-TILL SEEDING EQUIPMENT. THE SEED MUST

TEMPORARY COVER STAND IS SPARSE ENOUGH TO ALLOW ADEQUATE

MULCH IS REQUIRED FOR ALL PERMANENT VEGETATION APPLICATIONS.

COVER. PERMANENT MULCH COVER SELECTION WHERE VEGETATION IS NOT

LANDSCAPING PLANS, OR AT THE DIRECTION OR APPROVAL OF THE OWNER.

MULCH SELECTION FOR TEMPORARY COVER OF PERMANENT VEGETATION

GERMINATION OR GROWTH INHIBITING FACTORS. THEY SHALL BE EVENLY

DISPERSED WHEN AGITATED IN WATER. THE FI BERS SHALL CONTAIN A DYE

STRAW OR HAY MULCH WILL BE SPREAD UNIFORMLY WITHIN 24 HOURS AFTER

SEEDING AND/OR PLANTING. THE MULCH MAY BE SPREAD BY BLOWER-TYPE

SPREADING EQUIPMENT, OTHER SPREADING EQUIPMENT OR BY HAND, MULCH

WOOD CELLULOSE OR WOOD FIBER MULCH SHALL BE APPLIED UNIFORMLY

ANCHOR STRAW OR HAY MULCH IMMEDIATELY AFTER APPLICATION BY ONE

I. HAY AND STRAW MULCH SHALL BE PRESSED INTO THE SOIL IMMEDIATELY

AFTER THE MULCH IS SPREAD, A SPECIAL "PACKER DISK" OR DISK HARROW

SERRATED AND SHOULD BE 20 INCHES OR MORE IN DIAMETER AND 8 TO 12

DESIGNED TO TACK STRAW SHALL BE APPLIED IN CONJUNCTION WITH OR

IMMEDIATELY AFTER THE MULCH IS SPREAD. SYNTHETIC TACKIFIERS SHALL

BE MIXED AND APPLIED ACCORDING TO MANUFACTURER'S SPECIFICATIONS.

ALL TACKIFIERS, BINDERS OR HYDRAULIC MULCH SPECIFICALLY DESIGNED TO

TACK STRAW SHOULD BE VERIFIED NONTOXIC THROUGH EPA 2021.0 TESTING.

STABILIZE THE MULCH. THEY SHALL BE APPLIED AT A RATE OF ONE-QUARTER

MULCH SHALL BE APPLIED TO ORNAMENTAL BEDS, AROUND SHRUBS, AND ON

BARE AREAS ON LAWNS. WHEN BEDDING MATERIALS ARE NOT SPECIFIED ON

BEDDING MATERIAL SHOWN IN THE "MULCH REQUIREMENTS FOR PERMANENT

WATER SHALL BE APPLIED AT A RATE NOT CAUSING RUNOFF AND EROSION.

TOPDRESSING WILL BE APPLIED ON ALL TEMPORARY AND PERMANEN'

(PERENNIAL) SPECIES PLANTED ALONE OR IN MIXTURES WITH OTHER SPECIES. RECOMMENDED RATES OF APPLICATION ARE LISTED ON THIS.

THE LANDSCAPE AND/OR TREE REPLACEMENT PLANS, THE CONTRACTOR

SHALL SELECT AND SEEK PRIOR APPROVAL OF THE OWNER TO PLACE

3. RYE OR WHEAT CAN BE INCLUDED WITH FALL AND WINTER PLANTINGS TO

4. PLASTIC MESH OR NETTING WITH MESH NO LARGER THAN ONE INCH BY ONE

INCH MAY BE NEEDED TO ANCHOR STRAW OR HAY MULCH ON UNSTABLE

SOILS AND CONCENTRATED FLOW AREAS. THESE MATERIALS SHALL BE

INSTALLED AND ANCHORED ACCORDING TO MANUFACTURER'S

AN ERECT POSITION, MULCH SHALL NOT BE PLOWED INTO THE SOIL.

SYNTHETIC TACKIFIERS. BINDERS OR HYDRAULIC MULCH SPECIFICALL

INCHES APART. THE EDGES OF THE DISKS SHALL BE DULL ENOUGH TO PRESS

THE MULCH INTO THE GROUND WITHOUT CUTTING IT, LEAVING MUCH OF IT IN

WITH THE DISKS SET STRAIGHT MAY BE USED. THE DISKS MAY BE SMOOTH OR

TO ALLOW VISUAL METERING AND AID IN UNIFORM APPLICATION DURING

FOR PERMANENT STABILIZATION" TABLE ON THIS SHEET.

SHALL BE APPLIED TO COVER 75% OF THE SOIL SURFACE..

SEEDING. APPLYING MULCH

WITH HYDRAULIC SEEDING EQUIPMENT

OF THE FOLLOWING METHODS:

REFER TO TACKIFIERS.TAC

SPECIFICATIONS.

BEDDING MATERIAL

IRRIGATION

TOPDRESSING

TO ONE-HALF BUSHEL PER ACRE.

STABILIZATION" TABLE ON THIS SHEET.

APPLYING MULCH

ANCHORING MULCH

WOOD CELLULOSE AND WOOD PULP FIBERS SHALL NOT CONTAIN

SHALL BE BASED ON SELECTION GLIDELINES IN THE "MULCH REQUIREMENTS

APPLIED SHOULD BE PLACED AS INDICATED ON TREE REPLACEMENT AND/OR

MULCH APPLIED TO SEEDED AREAS SHALL ACHIEVE 75% TO 100% SOIL

TO BOND THE INOCULANT TO THE SEED. FOR CONVENTIONAL SEEDING, USE

TWICE THE AMOUNT OF INOCULANT RECOMMENDED BY THE MANUFACTURER.

NOTE THAT IN THE CASE OF DISCREPANCIES BETWEEN ANY OF THE INFORMATION BELOW AND THE INFORMATION CONTAINED IN TREE REPLACEMENT AND LANDSCAPE PLANS & DETAILS, THE LATTER SHALL BE USED.

GRADING AND SHAPING

- 1. GRADING AND SHAPING MAY NOT BE WHERE HYDRAULIC SEEDING AND FERTILIZING EQUIPMENT IS TO BE USED. VERTICAL BANKS SHALL BE SLOPED TO ENABLE PLANT ESTABLISHMENT
- 2. WHEN CONVENTIONAL SEEDING AND FERTILIZING ARE TO BE DONE, GRADE AND SHAPE WHERE SO THAT EQUIPMENT CAN BE USED SAFELY AND EFFICIENTLY DURING SEEDBED PREPARATION, SEEDING, MULCHING AND MAINTENANCE OF THE VEGETATION.
- 3. 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

LIME AND FERTILIZER RATES

- 1. AGRICULTURAL LIME IS REQUIRED AT THE RATE OF ONE TO TWO TONS PER ACRE UNLESS SOIL TESTS INDICATE OTHERWISE. ALL GRADED AREAS REQUIRE LIME APPLICATION UNLESS SOIL TEST INDICATE OTHERWISE. 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
- AGRICUI TURF 2. AGRICULTURAL LIME IS GENERALLY NOT REQUIRED WHERE ONLY TREES AND SOME LANDSCAPING IS PLANTED, REFER TO TREE PROTECTION AND LANDSCAPE PLANS FOR LIME REQUIREMENTS IN AREAS OF TREES AND
- 3. REFER TO THE TABLE ON THIS SHEET OR TABLE 6-5.1 OF THE MANUAL FOR EROSION & SEDIMENT CONTROL IN GA, SIXTH EDITION, FOR FERTILIZER REQUIREMENTS BY PLANTING SPECIES.

LIME AND FERTILIZER APPLICATION

- 1. WHEN HYDRAULIC SEEDING EQUIPMENT IS USED. THE INITIAL FERTILIZER SHALL BE MIXED WITH SEED. INNOCULANT (IF NEEDED). AND WOOD CELLULOSE OR WOOD PULP FI BER MULCH AND APPLIED IN A SLURRY. THE INNOCULANT, 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 HYDROSEEDER
- 2. FINELY GROUND LIMESTONE CAN BE APPLIED IN THE MULCH SLURRY OR IN COMBINATION WITH THE TOP DRESSING. 3 WHEN CONVENTIONAL PLANTING IS TO BE DONE LIME AND FERTILIZER SHALL
- BE APPLIED UNIFORMLY IN ONE OF THE FOLLOWING WAYS: a. APPLY BEFORE LAND PREPARATION SO THAT IT WILL BE MIXED WITH
- THE SOIL DURING SEEDBED PREPARATION. b. MIX WITH THE SOIL USED TO FILL THE HOLES, DISTRIBUTE IN
- FURROWS c. BROADCAST AFTER STEEP SURFACES ARE SCARIFIED, PITTED OR
- TRENCHED d. A FERTILIZER PELLET SHALL BE PLACED AT ROOT DEPTH IN THE CLOSING HOLE BESIDE EACH PINE TREE SEEDLING.

PLANT SELECTION

1. PLANT AND LANDSCAPE SPECIES TO BE AS INDICATED ON THE TREE REPLACEMENT PLAN AND LANDSCAPE PLANS. IN THE EVENT NO SUCH PLAN HAS BEEN PREPARED, AND SPECIES IS NOT CALLED OUT SPECIFICALLY ON THE PERMANENT VEGETATION PLAN. SPECIES ARE TO BE SELECTED BASED ON THE TABLES SHOWN ON THIS SHEET OR FROM TABLES 6-4.1, 6-5.2, 6-5.3, OR 6.5-4 OF THE MANUAL FOR EROSION & SEDIMENT CONTROL IN GEORGIA SIXTH EDITION, AND APPROVED IN WRITING BY THE OWNER.

RYEGRASS SHALL NOT BE USED IN ANY SEEDING MIXTURES CONTAINING PERENNIAL SPECIES DUE TO ITS ABILITY TO **OUT-COMPETE DESIRED SPECIES CHOSEN FOR PERMANENT** PERENNIAL COVER.

SEEDBED PREPARATION MAY NOT BE REQUIRED WHERE 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:

- 1. TILLAGE, AT A MINIMUM, SHALL ADEQUATELY LOOSEN THE SOIL TO A DEPTH OF 4 TO 6 INCHES; ALLEVIATE COMPACTION; INCORPORATE LIME AND FERTILIZER: SMOOTH AND FIRM THE SOIL: ALLOW FOR THE PROPER PLACEMENT OF SEED. SPRIGS, OR PLANTS: AND ALLOW FOR THE ANCHORING. OF STRAW OR HAY MULCH IF A DISK IS TO BE USED.
- MAY ALSO BE USED.

SHEET AND IN TABLE 6-5.1. OF THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GA, SIXTH EDITION. MULCH REQUIREMENTS FOR PERMANENT STABILIZATION MATERIAL RATE WHERE TO USE DRY STRAW 2 TONS/ACRE TEMPORARY COVER IN SEEDED 2-1/2 TONS/ACRE WOOD CELLULOSI HYDRAULIC APPLICATIONS MULCH OR WOOD (REQUIRES STRAW OR HAY 500 LB/ACRE PULP FIBER APPLICATION NOTED ABOVE FOLLOWING HYDRAULIC SEEDING) WOOD CELLULOSE OR USE FOR HYDRAULIC SEEDING ON 1,000 LB/ACRE WOOD PULP FIBER W/ SLOPES 3/4:1 AND GREATER TACKIFIER SERICEA LESPEDEZA USE ON AREAS WHERE SERICEA HAY (CONTAINING 3 TONS/ACRE LESPEDEZA IS MAY BE ESTABLISHED MATURE SEED) **GRAIN STRAW** FOR AREAS WHERE ORNAMENTALS OR GROUND COVERS ARE PLANTED **GRASS HAY** AND NO LANDSCAPE/TREE REPLACEMENT PLANS HAVE BEEN PINE NEEDLES 3" TO 5" PREPARED THAT SPECIFY THERWISE. REQUIRES ADVANCE **CHIPPED WOOD** 4" TO 6" APPROVAL OF OWNER. NOT MULCH APPROPRIATE FOR GRASS SEEDING PINE BARK 4" TO 6" APPLICATIONS.

DISTURBED AREA STABILIZATION (WITH SODDING)

SOIL PREPARATION

- BRING SOIL SURFACE TO FI NAL GRADE. CLEAR SURFACE OF TRASH, WOODY DEBRIS, STONES AND CLODS LARGER THAN 1". APPLY SOD TO SOIL SURFACES ONLY AND NOT FROZEN SURFACES, OR GRAVEL TYPE
- TOPSOIL PROPERLY APPLIED WILL HELP GUARANTEE A STAND. DON'T USE TOPSOIL RECENTLY TREATED WITH HERBICIDES OR SOIL STERILANTS.

LIME AND FERTILIZER RATES

1. FERTILIZE AT RATES SHOWN IN THE "FERTILIZER RATES FOR SOD" TABLE

AGRICULTURAL LIME SHOULD BE APPLIED BASED ON SOIL TESTS IF

ON THIS SHEET

AVAILABLE OR AT A RATE OF 1 TO 2 TONS PER ACRE.

INSTALLATION

- 1. LAY SOD WITH TIGHT JOINTS AND IN STRAIGHT LINES. DON'T OVERLAP JOINTS STAGGER JOINTS AND DO NOT STRETCH SOD
- ON SLOPES STEEPER THAN 3:1, SOD SHOULD BE ANCHORED WITH PINS OR OTHER APPROVED METHODS. INSTALLED SOD SHOULD BE ROLLED OR TAMPED TO PROVIDE GOOD CONTACT BETWEEN SOD AND SOIL.
- 3. SOD SHOULD NOT BE CUT OR SPREAD IN EXTREMELY WET OR DRY WEATHER. IRRIGATION SHOULD BE USED TO SUPPLEMENT RAINFALL FOR A MINIMUM OF 2-3 WEEKS. SOD SHOULD BE CUT AND INSTALLED WITHIN 36 HOURS OF DIGGING.
- AVOID PLANTING WHEN SUBJECT TO FROST HEAVE OR HOT WEATHER, IF IRRIGATION IS NOT AVAILABLE.
- THE SOD TYPE SHOULD BE BASED ON THE LANDSCAPE PLANS. OR IN THE CASE LANDSCAPE PLANS ARE NOT INCLUDED, AT THE DIRECTION OF THE

FE	ERTILIZER					
SPECIES VARIETY	RESOURCE AREAS	MAINT. YEAR	FERTILZER (N-P-K)	RATE (LB/AC)	NITROGEN TOP DRESSING (LB/AC)	LAY SOD ACROSS THE DIRECTION OF FLOW.
BERMUDA GRASS COMMON	M-L, P, C	FIRST SECOND	6-12-12 6-12-12	1500 800	50-100 50-100	
BAHAIA GRASS PENSACOLA	P, C	FIRST SECOND	6-12-12 6-12-12	1500 800	50-100 50-100	PEG OR STAPLE
CENTIPEDE	P, C	FIRST SECOND	6-12-12 6-12-12	1500 800	50-100 50-100	* * * * * * * * * * * * * * * * * * *
ST AUGUSTINE COMMON	P, C	FIRST SECOND	6-12-12 6-12-12	1500 800	50-100 50-100	*
ZOYSIA EMERALD, MYER	P, C	FIRST SECOND	6-12-12 6-12-12	1500 800	50-100 50-100	•
TALL FESCUE KENTUCKY	M-L, P	FIRST SECOND	6-12-12 6-12-12	1500 1000	50-100 -	

M-L: MOUNTAIN-LIMESTONE, P: PIEDMONT, C: COASTAL SEE "THE MANUAL FOR EROSION & SEDIMENT CONTROL IN GEORGIA, SIXTH

EDITION FOR MAJOR LAND RESOURCE AREAS.

SLOPE STABILIZATION

ALL SLOPE STABILIZATION PRODUCTS MUST HAVE A DOCUMENTED "C" FACTOR OF 0.080 PER ASTM D6459 AND BE ON THE GASWCC APPROVED PRODUCTS LIST (APL).

ROLLED EROSION CONTROL PRODUCT (RECP) CLASSIFICATIONS:

- SHORT TERM FUNCTIONAL LONGEVITY OF 12 MONTHS
- EXTENDED TERM FUNCTIONAL LONGEVITY OF 24 MONTHS LONG TERM - FUNCTIONAL LONGEVITY OF 36 MONTHS

REFER TO THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA", SIXTH EDITION, FOR MORE DETAILED INFORMATION ON SPECIFIC LONGEVITY

THE APPROVED PRODUCTS LIST AND TEST METHODS FOR APPROVED

MATERIALS ARE AVAILABLE AT THE GEORGIA SOIL AND WATER CONSERVATION WEBSITE (HTTP://WWW.GASWCC.GEORGIA.GOV.)

AFTER THE SITE HAS BEEN SHAPED AND GRADED TO DESIGN, PREPARE A FRIABLE SEEDBED RELATIVELY FREE FROM CLODS AND ROCKS MORE THAN ONE INCH IN DIAMETER, AND ANY FOREIGN MATERIAL THAT WILL PREVENT CONTACT OF THE SOIL STABILIZATION MAT WITH THE SOIL SURFACE. SURFACE MUST BE SMOOTH TO ENSURE PROPER CONTACT OF BLANKETS OR MATTING TO THE SOIL SURFACE. IF NECESSARY, REDIRECT ANY RUNOFF FROM THE DITCH OR SLOPE DURING INSTALLATION.

MAINTENANCE

SITE PREPARATION

ALL EROSION CONTROL BLANKETS AND MATTING SHOULD BE INSPECTED PERIODICALLY FOLLOWING INSTALLATION, PARTICULARLY AFTER RAINSTORMS TO CHECK FOR EROSION AND UNDERMINING. ANY DISLOCATION OR FAILURE SHOULD BE REPAIRED IMMEDIATELY. IF WASHOUTS OR BREAKAGE OCCURS, REINSTALL THE MATERIAL AFTER REPAIRING DAMAGE TO THE SLOPE OR DITCH. CONTINUE TO MONITOR THESE AREAS UNTIL THEY BECOME PERMANENTLY STABILIZED.

DUST CONTROL ON DISTURBED AREAS

REFER TO THE POLLUTION CONTROL NOTES FOR RECOMMENDED SEQUENCE AND PRACTICE OF DUST CONTROL

TEMPORARY METHODS 1. APPLICATION OF MULCH (SEE Ds1)

- . TEMPORARY VEGETATIVE COVER (SEE Ds2)
- 3. SPRAY ON ADHESIVES (SEE Tac) 4. TILLAGE - THE ROUGHENING OF SOIL AND BRING CLODS TO THE SURFACE.
- IT SHOULD BE USED AS AN EMERGENCY MEASURE BEFORE HIGH WIND **EROSION POTENTIAL** 5. IRRIGATION - SPRINKLE WITH WATER UNTIL THE SURFACE IS WET. REPEAT AS NEEDED.

6. BARRIERS - SOLID BOARD FENCES, SNOW FENCES, BURLAP FENCES,

OF PREVAILING CURRENTS. TO BE EFFECTIVE, BARRIERS MUST BE AT INTERVALS OF APPROX. 15 TIMES THEIR HEIGHT. 7. CALCIUM CHLORIDE APPLICATION - APPLY AS NEEDED TO KEEP SURFACE

BALES OF HAY, AND SIMILAR MATERIALS TO BE PLACED TO RIGHT ANGLES

PREMANENT METHODS

- 1. PERMANENT VEGETATION (SEE Ds3)
- 2. TOPSOILING COVER WITH LESS EROSIVE TOPSOIL 3. STONE - COVER AREAS SUBJECT TO WIND EROSION AND HIGH TRAFFIC AREAS WITH CRUSHED STONE OR COARSE GRAVEL.

APPEARANCE OF GOOD SOD

- SWALE/WATERWAY

-. S.OD AREA

LAY NET WITH THE DIRECTION OF FLOW

STEP 1: CUT TERMINAL SLOT.

STEP 2: SNUG MAT INTO SLOT.

A. STAKE MAT INTO SLOT.

C. BACKFILL AND COMPACT.

B. USE 1" X 3" PRESSURE TREATED BOARD TO

SPACE MAT AGAINST VERTICAL CUT.

A. REVERSE MAT ROLL DIRECTION TO OVERLAY

SEQUENTIAL ROLL RUN OUT IN

B. STAKE MAT TO ANCHOR TERMINAL.

UPSTREAM TERMINA

DIRECTION OF FLOW

NETTING DIRECTIONS

NOT TO SCALE

STFP 1: CUT

CHECK SLOT.

AND LAP BACK 15".

SODDED WATERWAYS

BLANKET AND MATTING CROSS-SECTIONS

TEMPORARILY STAKE MAT UNDER MODERATE TENSION.

STEP 2: WORK UPSTREAM ACROSS CHECK SLOT

STEP 3: TUCK MAT LAP INTO SLOT AND STAKE.

A. BACKFILL AND PROGRESS UPSTREAM

B. PULL OUT TEMPORARY STAKES WHEN NO

LONGER NEEDED FOR TENSIONING.

MOWED AT A 2"-3" CUTTING HEIGHT.

THATCH: GRASS CLIPPINGS AND

DEAD LEAVES (UP TO 1/2" THICK).

ROOT ZONE: SOIL AND ROOTS

SHOULD BE 1/2"-3/4" THICK

STRENGTH

WITH DENSE ROOT MAT FOR

SOD MAINTENANCE AND INSTALLATION

DIRECTION OF FLOW

DIRECTIONS FOR INITIAL MAINTENANCE

ROLL SOD IMMEDIATELY TO ACHIEVE FIRM CONTACT WITH THE

> NEEDED. WATER WELL AS SOON AS THE SOD IS LAID. MOW WHEN THE SOD IS ESTABLISHED -- IN 2-3 WEEKS. SET

> > THE MOWER HIGH (2"-3").

PEG DETAIL

IN CRITICAL AREAS, SECURE SOL

WITH NETTING USING STAPLES.

USE PEGS OR STAPLES TO FASTEN

SOD FIRMLY -- AT THE ENDS OF STR

AND IN THE CENTER, OR EVERY 3-4

FFFT IF THE STRIPS ARE LONG WHE

STAPLES FLUSH WITH THE GROUND.

READY TO MOW. DRIVE PEGS OR

DOWNSTREAM TERMINAL

STEP 1: CUT TERMINAL

STEP 2: STAKE MAT

BACKFILL TERMINAL

A. ROLL MAT UP:

PICTORAL VIEW OF TRANSVERSE SLOT

START AT DOWNSTREAM TERMINAL AND PROGRESS UPSTREAM.

WORK OUTWARDS FROM THE CHANNEL CENTER TO THE EDGE

USE 3" OVERLAPS AND STAKE AT 5' INTERVALS ALONG THE SEAMS.

TEMPORARY STAKES TO MAINTAIN ALIGNMENT.

ROLL ENDS.

TYPICAL INSTALLATION GUIDELINES FOR ROLLED EROSION CONTROL PRODUCTS (RECP)

FIRST ROLL IS CENTERED LONGITUDINALLY IN MID-CHANNEL AND PINNED WIT

SUBSEQUENT ROLLS FOLLOW IN STAGGERED SEQUENCE BEHIND THE FIRST

USE 3' OVERLAPS AND SHINGLE DOWNSTREAM TO CONNECT THE LINING AT THE

ROLL. USE THE CENTER ROLL FOR ALIGNMENT TO THE CHANNEL CENTER.

Know what's **below.**

Call before you dig.

STREAM OVER REFILLED TERMINAL

PROGRESS UPSTREAM WITH ROLL.

STAKE MAT DOWN TO ANCHOR TERMINAL

INTO SLOT.

WATER TO A DEPTH OF 4" AS

TING: ANGLED ENDS

AUSED BY THE AUTOMATIC

SOD CUTTER MUST BE

MATCHED CORRECTLY



DAWSON COUNTY

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2019-03-08 GRANT REVIEW DOCUMENTS

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EROSION, **SEDIMENTATION, & POLLUTION**

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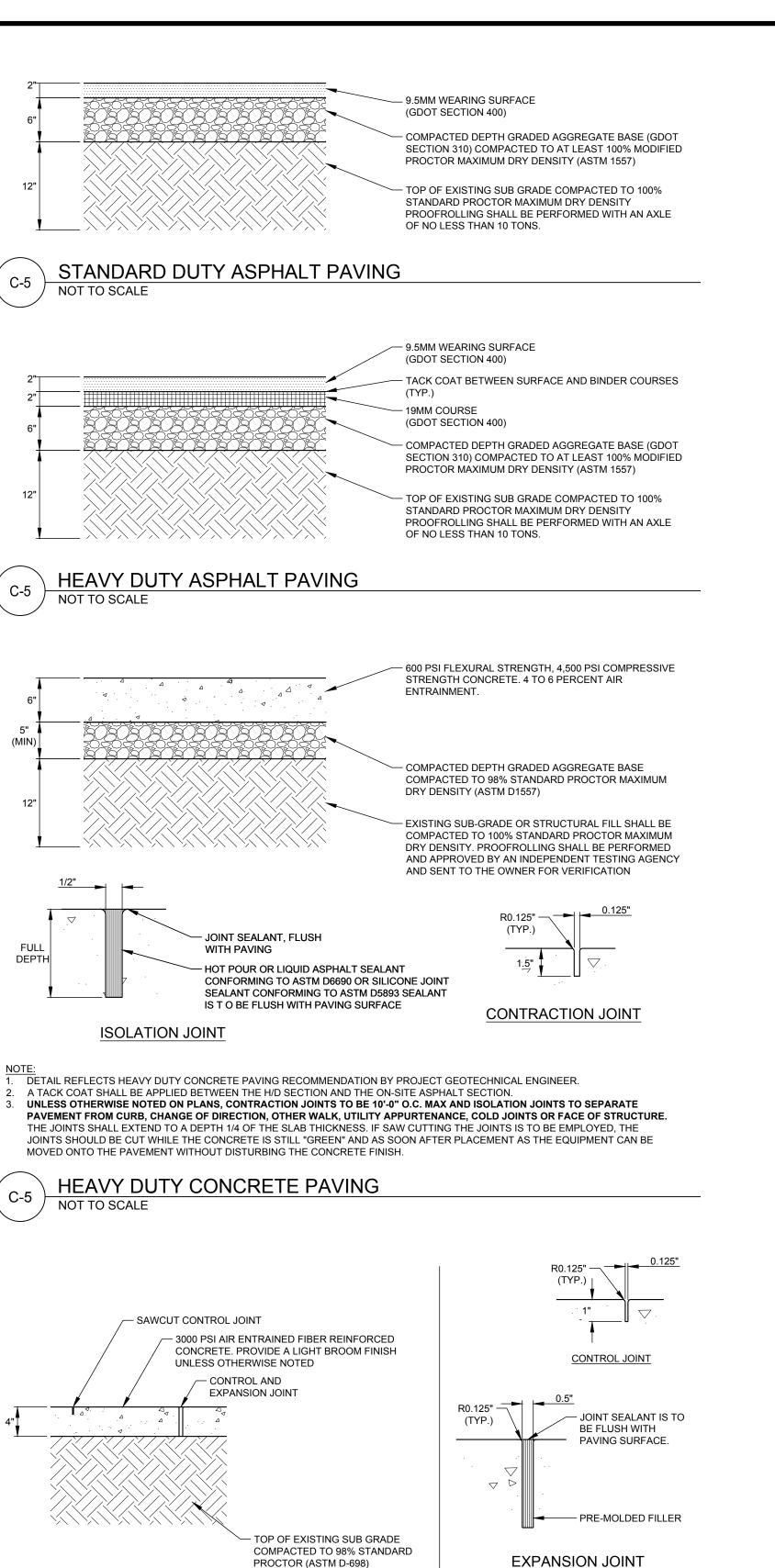
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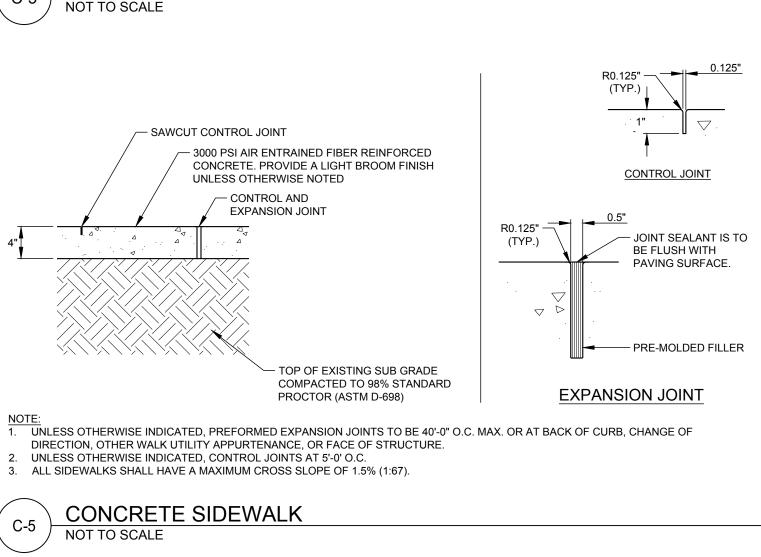
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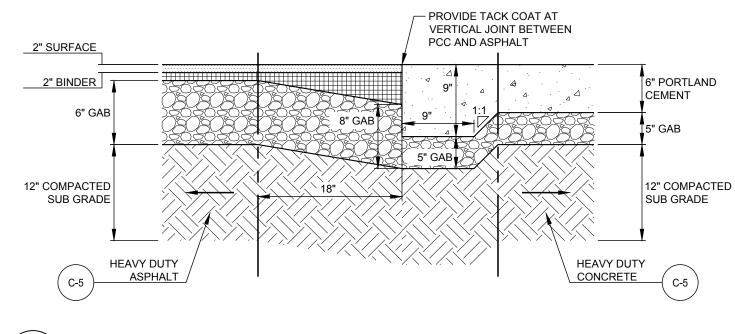
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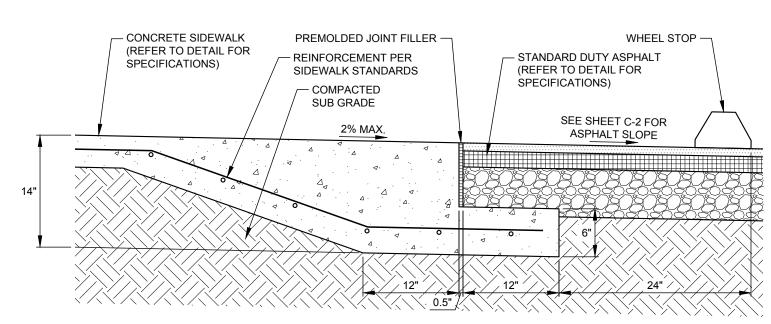


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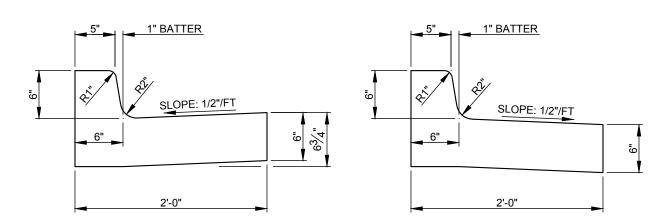
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HEAVY DUTY ASPHALT / CONCRETE TRANSITION NOT TO SCALE



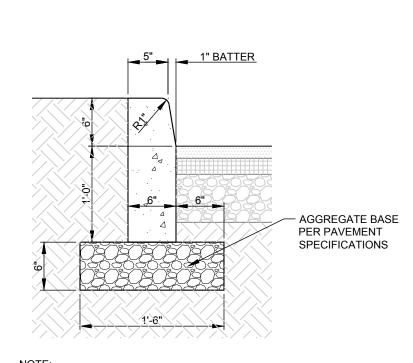
CONCRETE SIDEWALK / ASPHALT TRANSITION NOT TO SCALE



1/2" PRE FORMED EXPANSION JOINTS REQUIRED AT ALL STRUCTURES AND RADIUS POINTS. MAXIMUM DISTANCE BETWEEN EXPANSION JOINTS = 40.0'

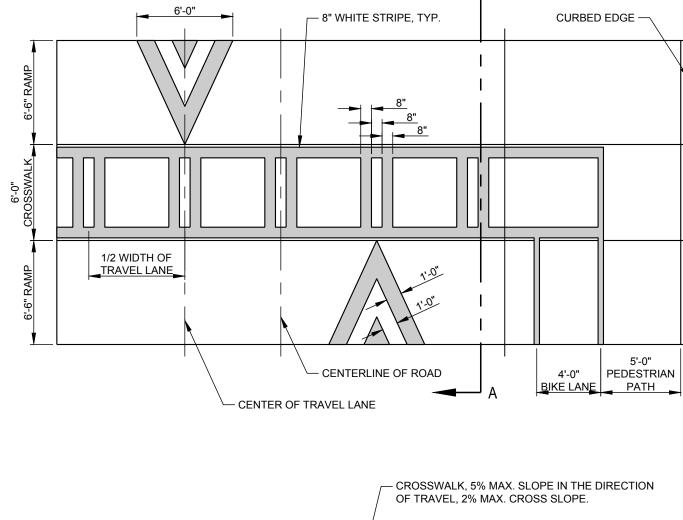
MAXIMUM DISTANCE DUMMY JOINTS = 10.0' CONCRETE STRENGTH = 3000 P.S.I., SLOPE = 2" MAX. FINISH SHALL BE SMOOTHED AND EVENED WITH WOODEN FLOAT.

24" CONCRETE CURB AND GUTTER NOT TO SCALE



1/2" PRE FORMED EXPANSION JOINTS REQUIRED AT ALL STRUCTURES AND RADIUS POINTS. MAXIMUM DISTANCE BETWEEN EXPANSION JOINTS = 40.0' MAXIMUM DISTANCE DUMMY JOINTS = 10.0' CONCRETE STRENGTH = 3000 P.S.I., FINISH SHALL BE SMOOTHED AND EVENED WITH WOODEN FLOAT.

CONCRETE HEADER CURB NOT TO SCALE



3" MAX.

- DRAINAGE SLOTS (STANDARD PRECAST

DIMENSION)

NO. 4 BARS, 18" LONG

(TWO PER GUARD)

FACE OF CURB, EDGE OF PAVEMENT OR SIDEWALK

CONCRETE WHEEL STOP

WHITE REFLECTIVE

TRAFFIC PAINT

NOT TO SCALE

CONTACT THE CONSTRUCTION PROJECT

DIRECTIONAL ARROW

DRIVEWAY TRAFFIC FLOW

MANAGER FOR MORE INFORMATION

5' (TYP.)

PARKING STALL -

1/2 PARKING WIDTH

CENTERLINE OF DRIVEWAY

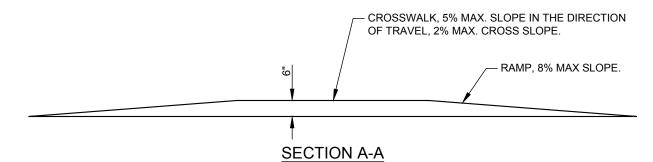
STRIPING

PREFABRICATED WHEEL STOP -

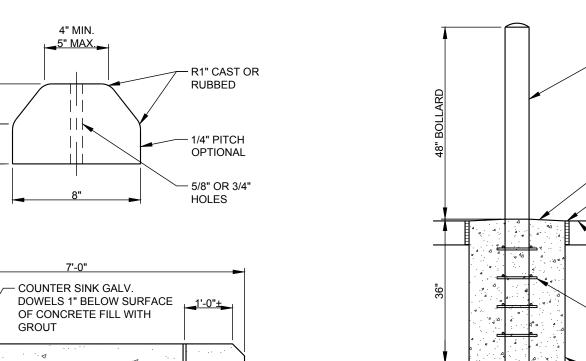
AIR-ENTRAINED CONCRETE

NOT TO SCALE

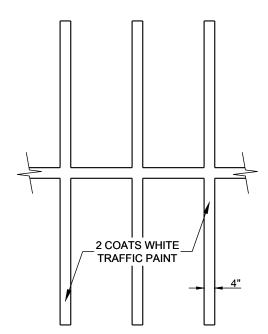
PRECAST OF 3,500 PSI



RAISED SPEED TABLE



BOLLARD - 6"

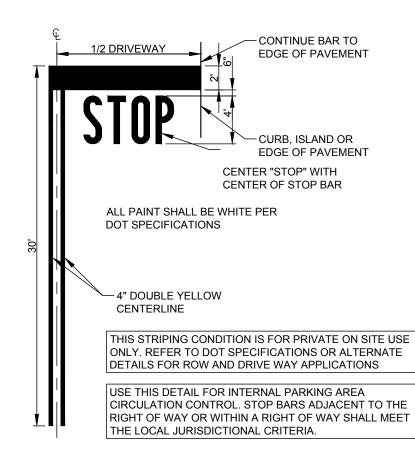


24" DIA. CONCRETE

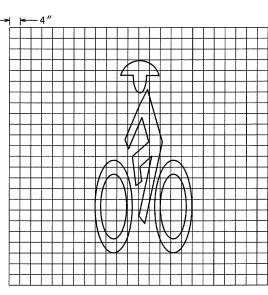
- 6" DIA. CONCRETE FILLED STEEL

NOTE: SEE SITE DEVELOPMENT PLAN FOR PARKING DIMENSIONS & LAYOUT

PAVEMENT STRIPING NOT TO SCALE



STOP BAR AND LABEL STRIPING C-5 NOT TO SCALE



TYPE 4 SYMBOL - BICYCLE LANE

GENERAL NOTES:

1.BICYCLE LANE SYMBOLS SHALL BE PLACED ON THE FAR SIDE OF EACH INTERSECTION 6 FEET BEYOND THE CROSS WALK OR END OF INTERSECTING ROAD RADII. ADDITIONAL SYMBOLS MAY BE PLACED ON LONG, UNINTERRUPTED SECTIONS OF ROADWAY BASED ON ENGINEERING JUDGEMENT.

2. ALL BICYCLE LANE PAVEMENT MARKING, INCLUDING EDGE LINE, SHALL BE PAINT.

3.FOR ADDITIONAL INFORMATION REFER TO MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION, AND AASHTO GUIDE FOR THE DEVELOPMENT OF BICYCLE FACILITIES, CURRENT EDITION.

BIKE LANE STRIPING C-5 NOT TO SCALE

GUARD POST WITH YELLOW PLASTIC BOLLARD SLEEVE - SLOPE TO GRADE WAKEFIELD — SEALANT BEASLEY & **GRADE LEVEL** ASSOCIATES - 10" LONG #6 REBAR (4 EACH POST) A NEL FON Company

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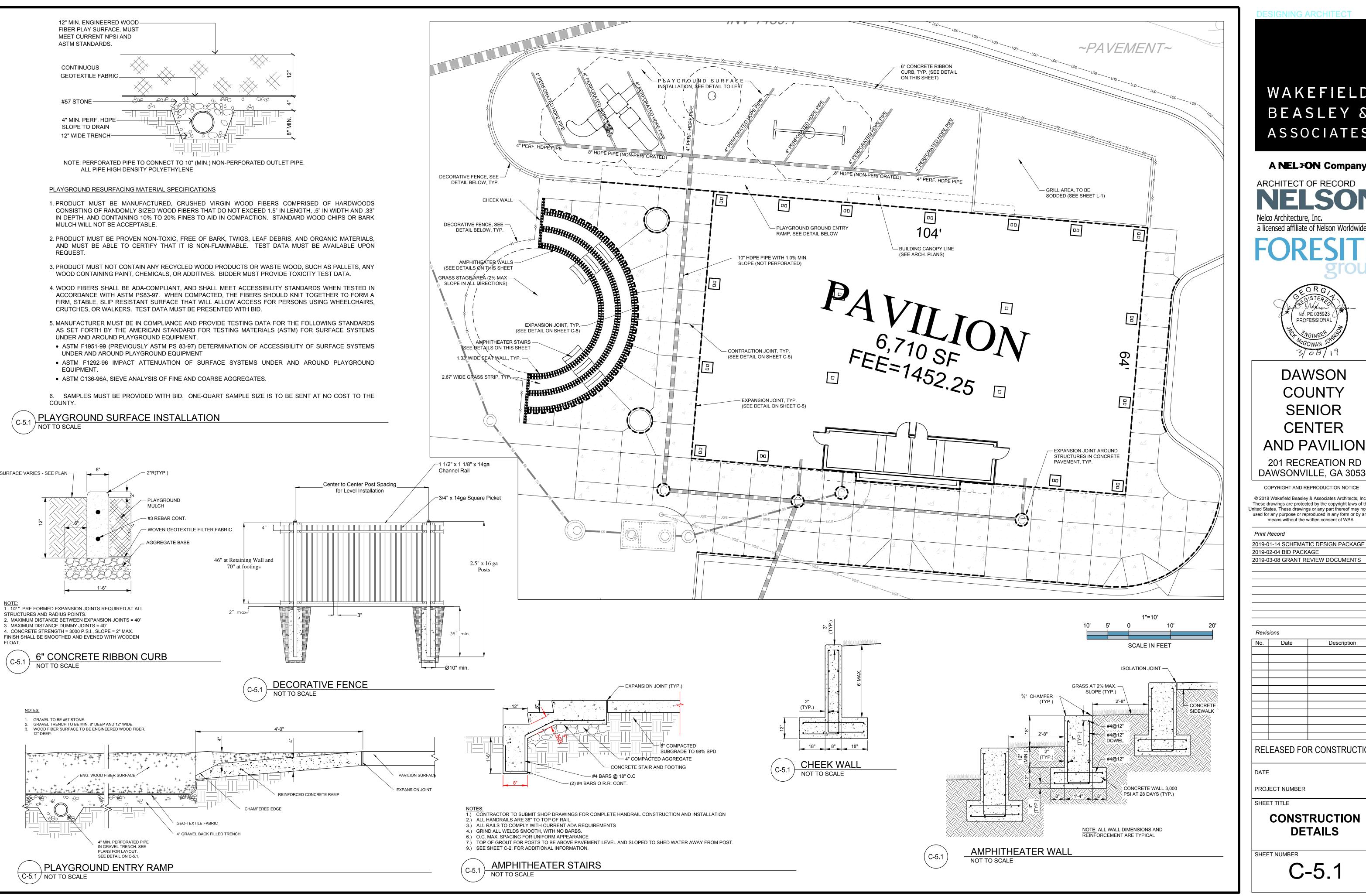
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SHEET TITLE

CONSTRUCTION **DETAILS**



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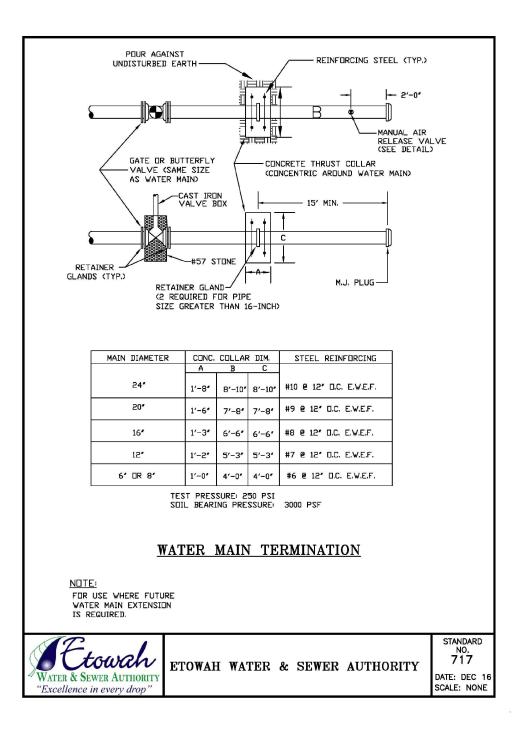
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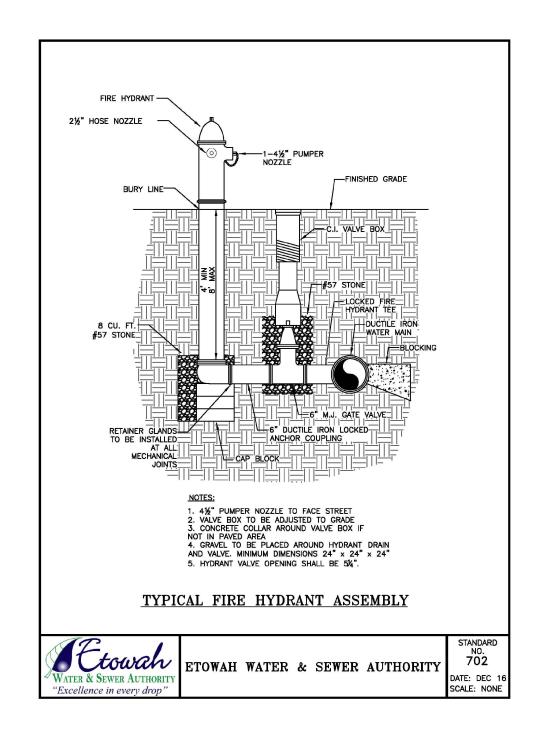
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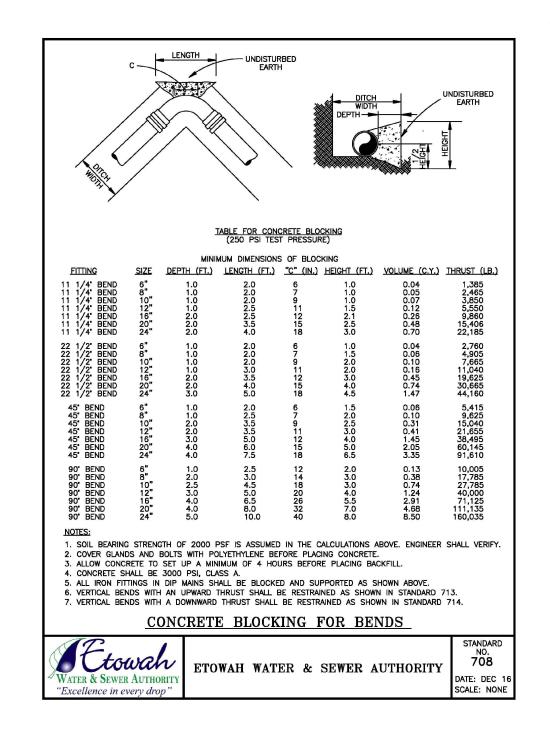
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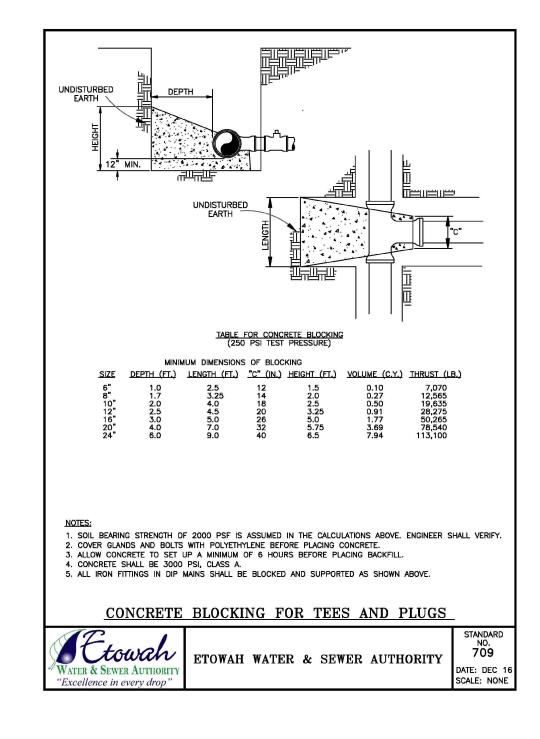
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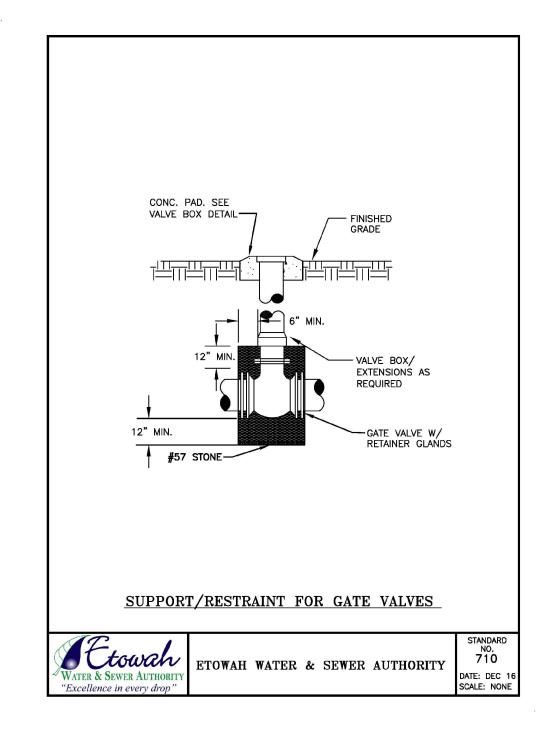
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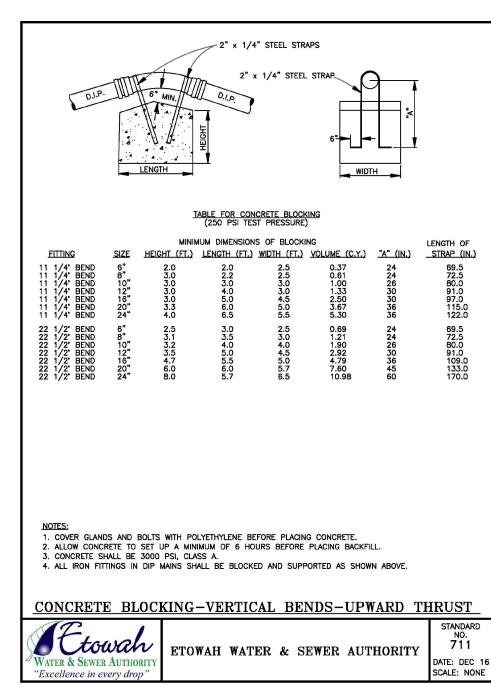


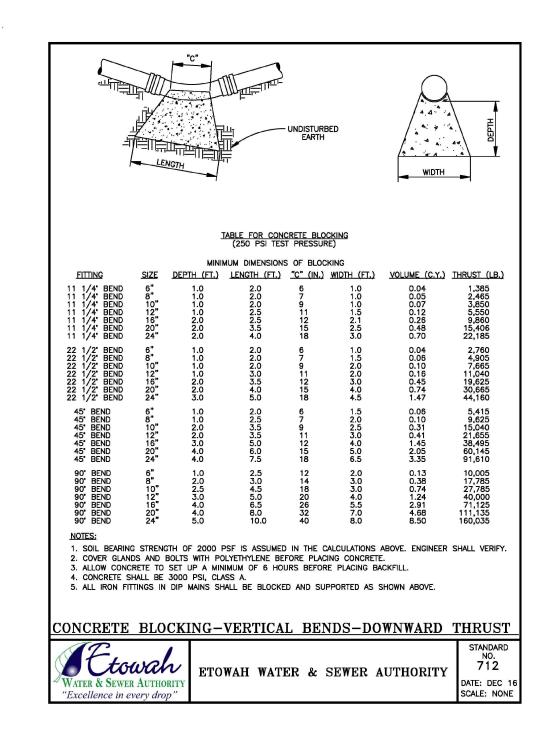


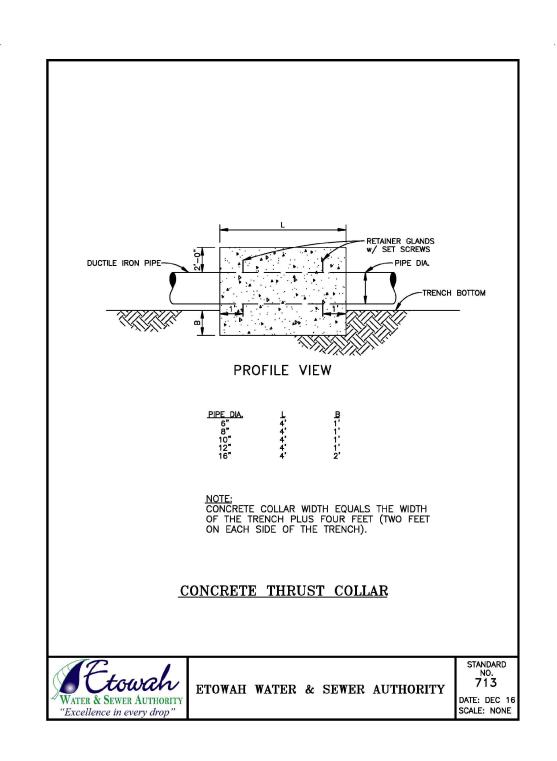


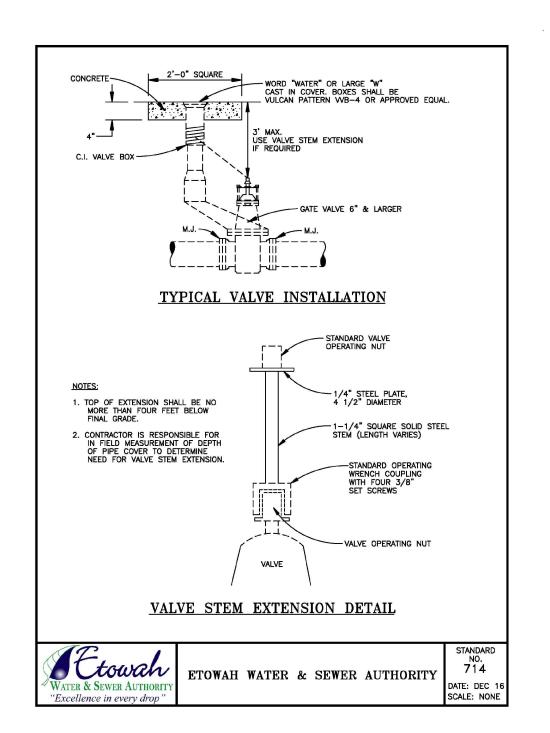


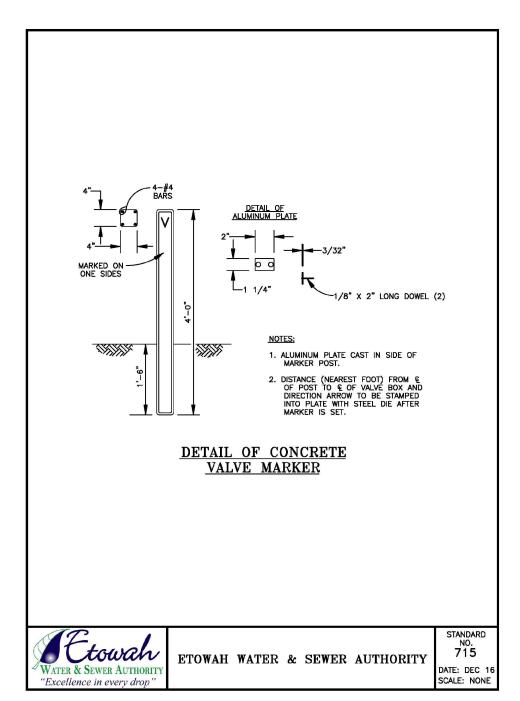




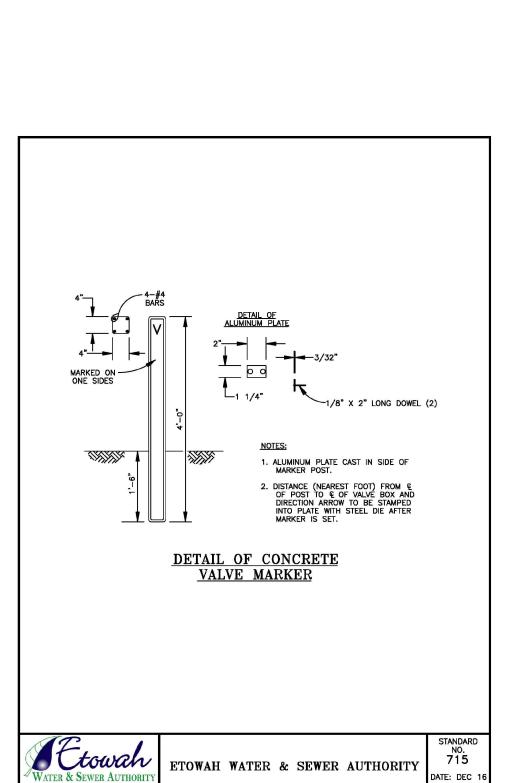












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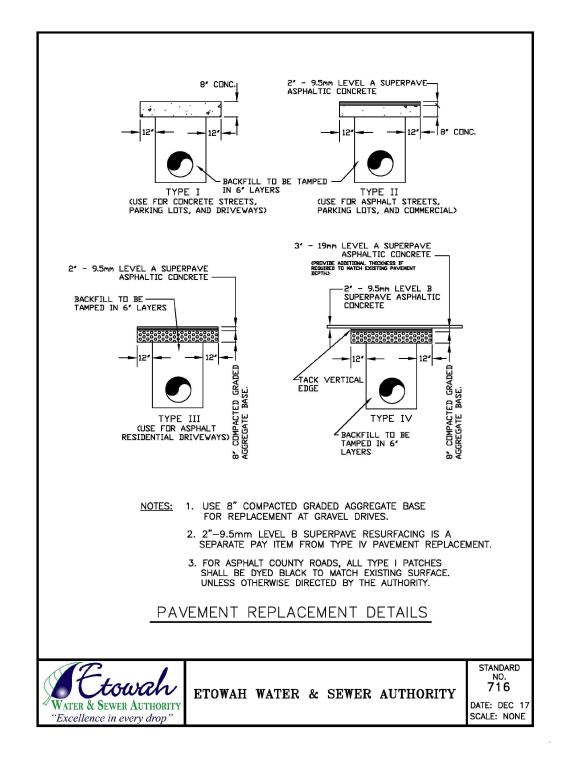
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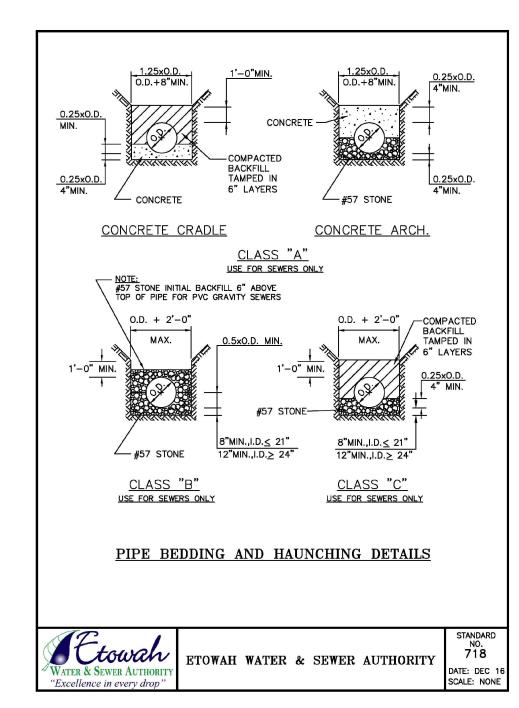
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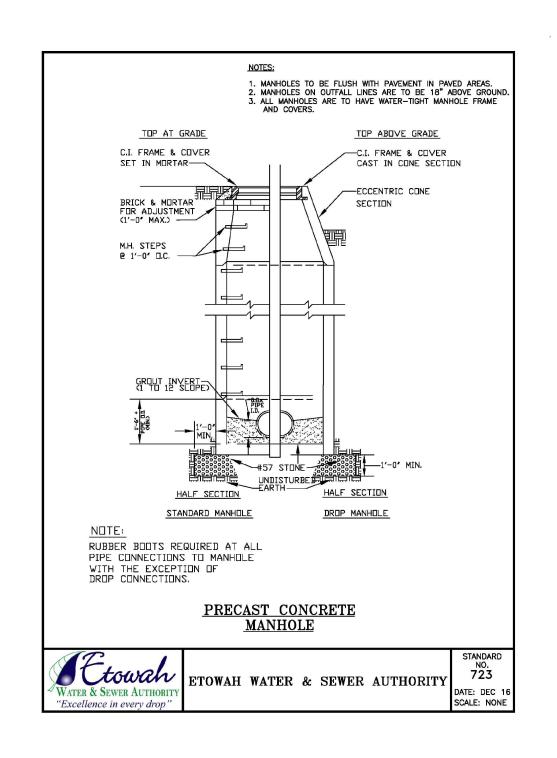
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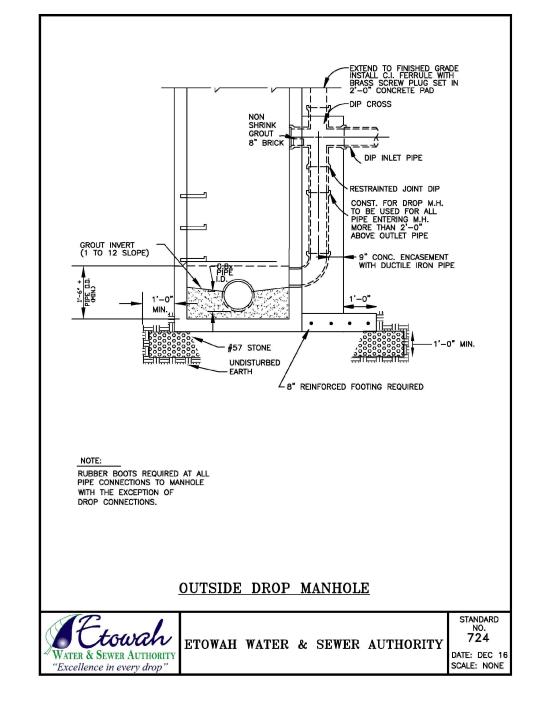
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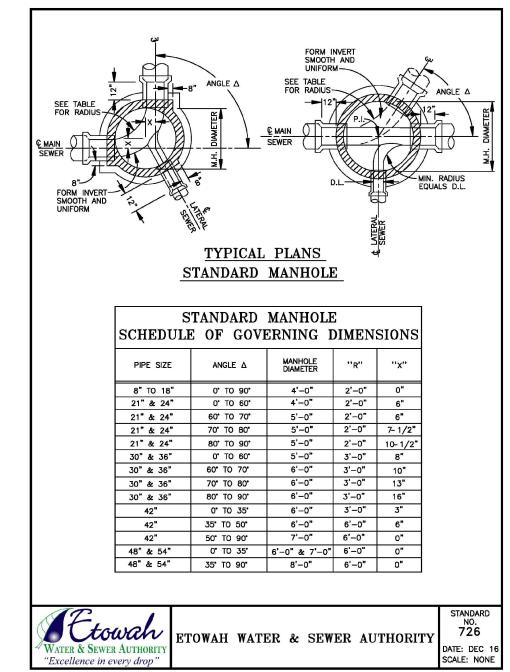
UTILITY DETAILS

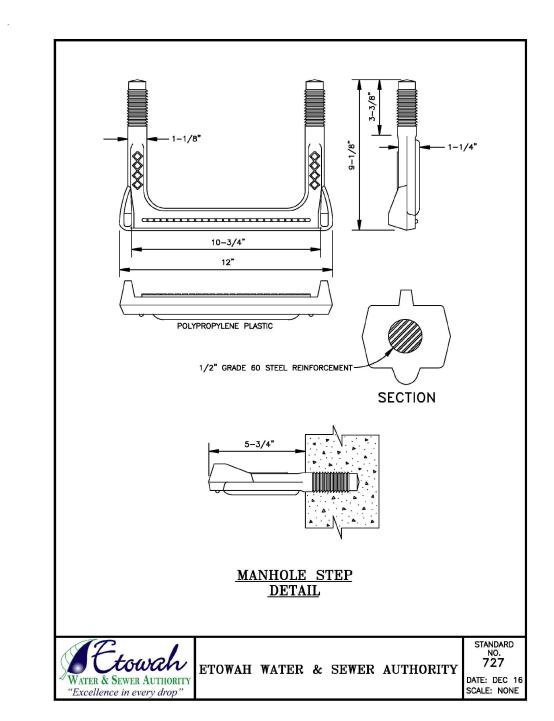


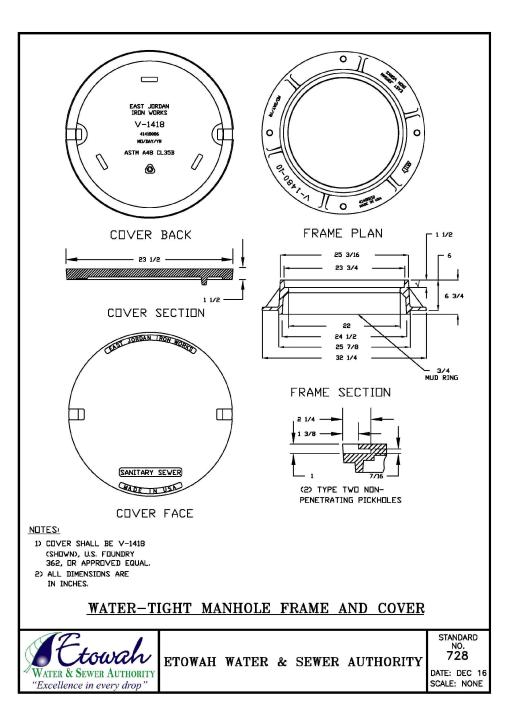


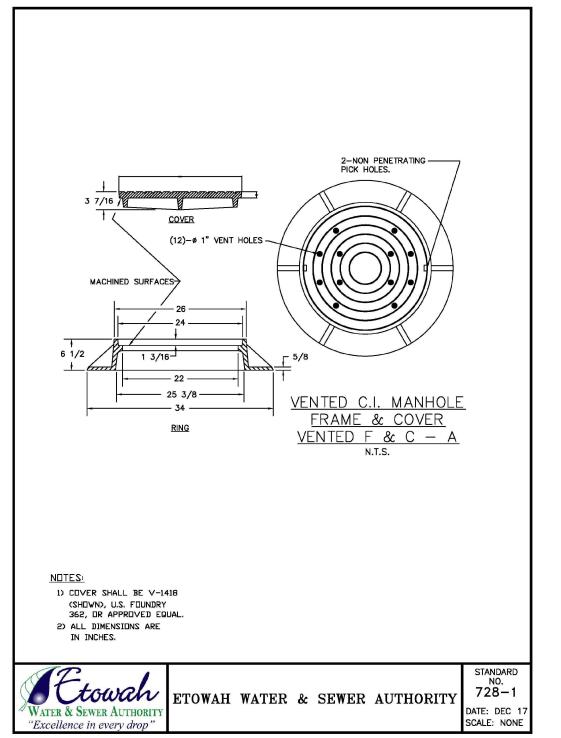




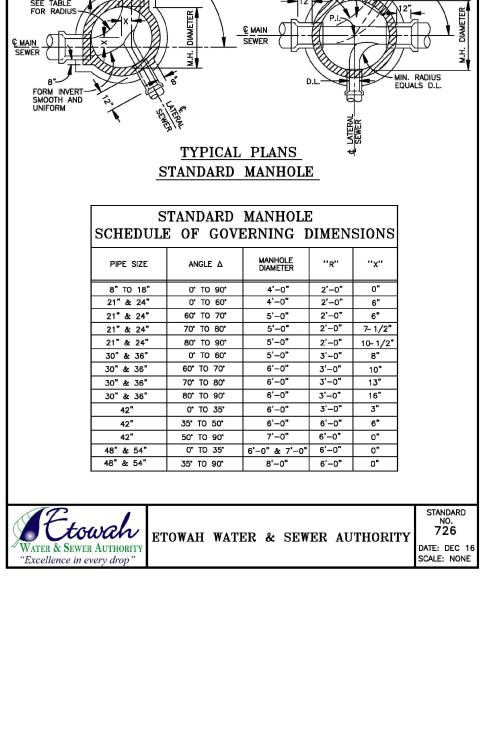












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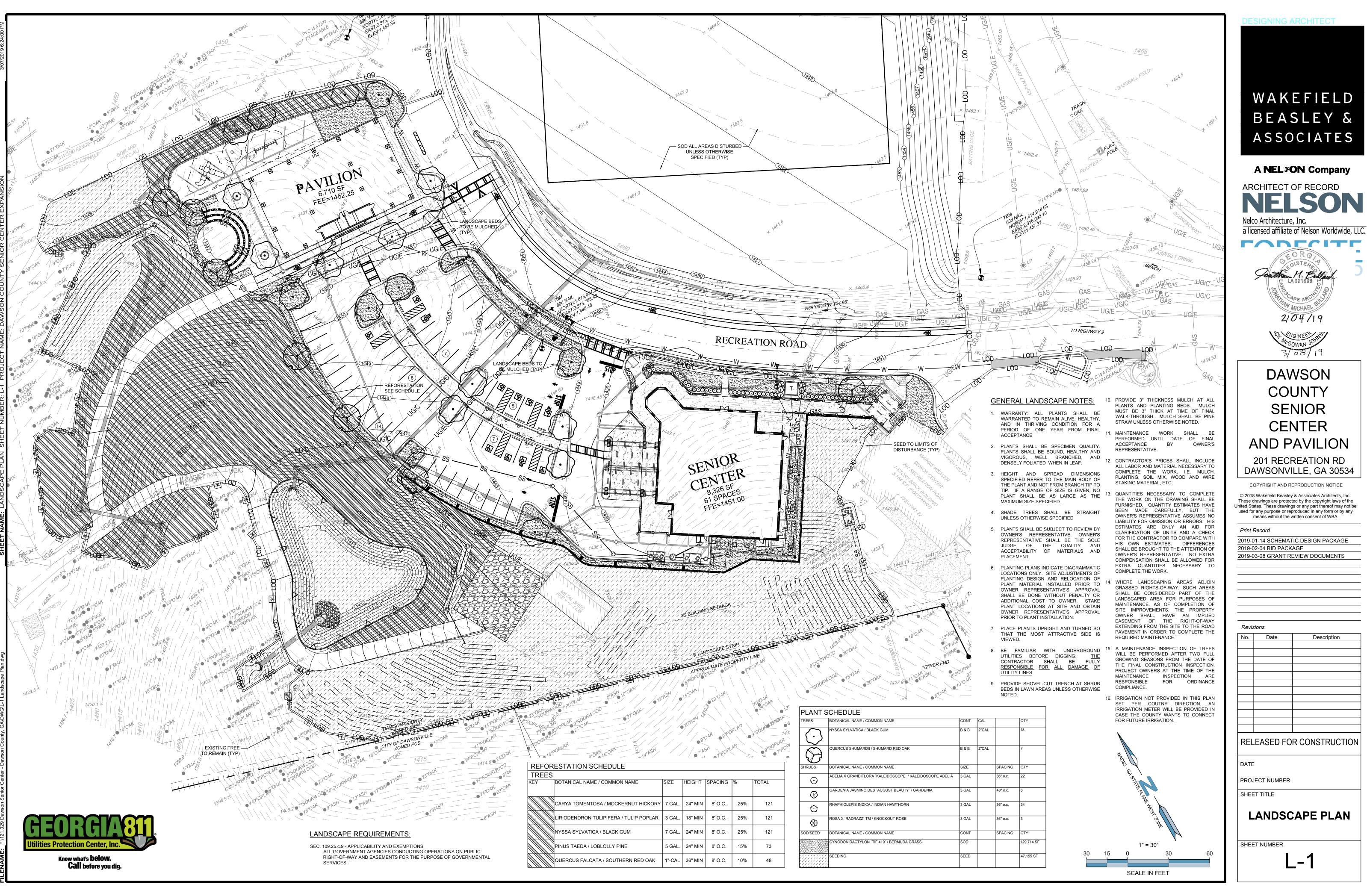
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SHEET NUMBER

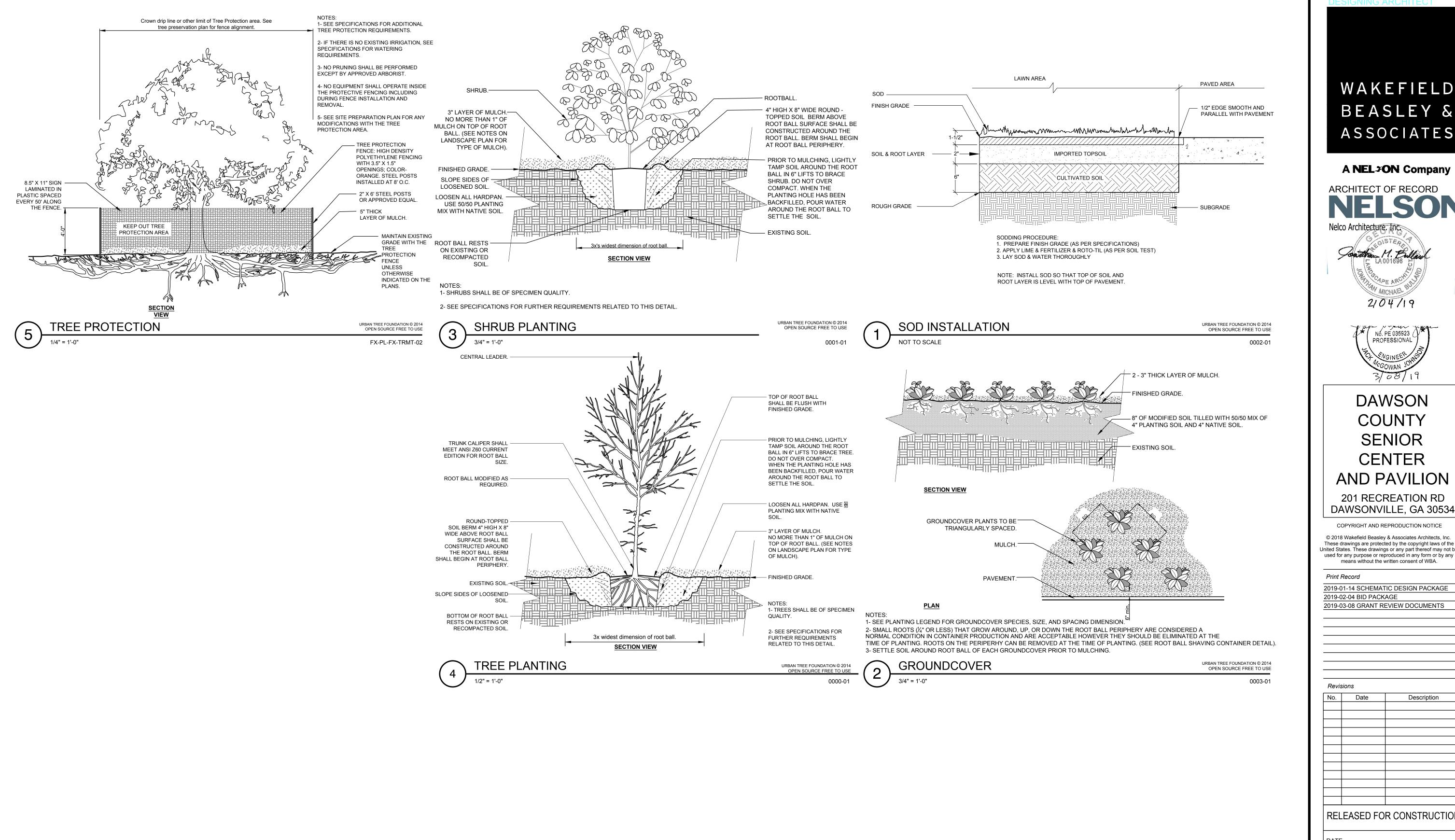
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201 RECREATION RD

Description



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