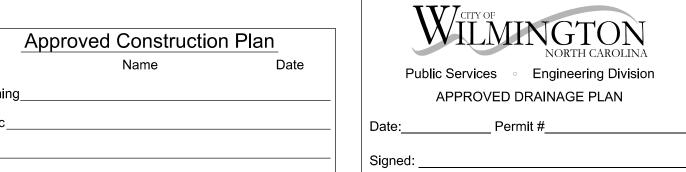


REFER TO CFPUA DETAILS AND SPECIFICATIONS FOR WATER AND SEWER SERVICE CONNECTIONS



COF CAROLINA

ces • Engineering Division

OVED DRAINAGE PLAN

Permit #_____

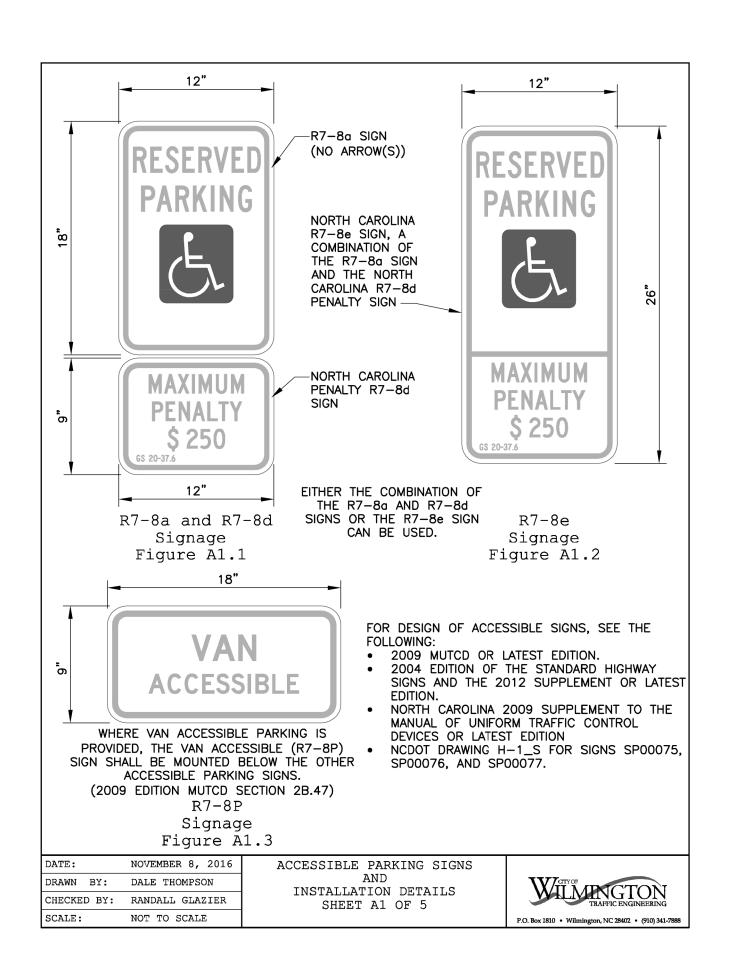


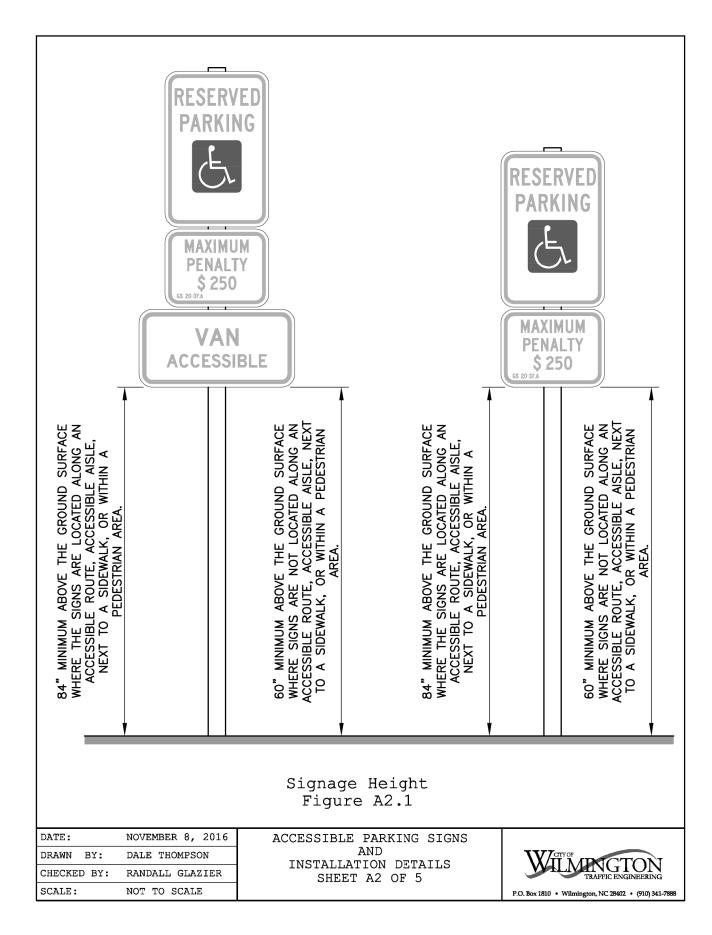
LICENSE NO.C-0647

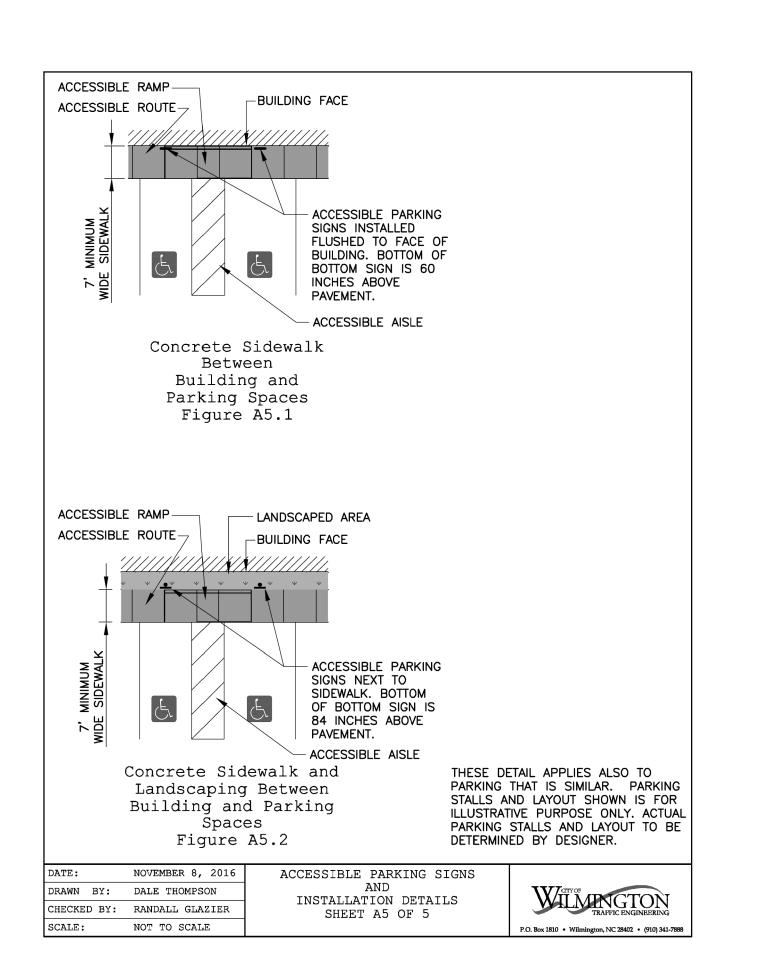
SHEET:

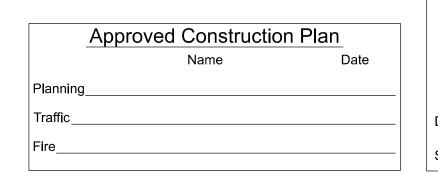
WILMINGTON, NORTH CAROLINA 28403

(910) 815-0775











CITY STANDARD DETAILS CAPE FEAR BOULEVARD APARTMENTS 448 CAPE FEAR BOULEVARD WILMINGTON, NC 28401 NEW HANOVER COUNTY NORTH CAROLINA DEVELOPER: FRANKLIN CONSTRUCTION. INC DESIGNED: DLM PO BOX 3579
WILMINGTON, NC 28406 ADDRESS: DRAWN: DLM PHONE: 910-279-6359 APPROVED: JHF **DATE:** 11/14/201 STROUD ENGINEERING, P.A. 102-D CINEMA DRIVE
WILMINGTON, NORTH CAROLINA 28403
(910) 815-0775
LICENSE SCALE: AS NOTED SHEET: 8 LICENSE NO.C-0647

COASTAL PLAIN SITE STABILIZATION SCHEDULE

- 1. Fertilize and lime per recommendations of soil tests or apply 2,000 lb/acre ground agricultural limestone and 750 lb/acre 10-10-10 fertilizer. Incorporate lime/fertilizer 4-6 inches. Roughen steep slopes by tracked machinary.
- Select species based on season. Refer to tables. 5. Broadcast seeds evenly and cover by raking or dragging a chain. Firm soil by rolling. 6. Apply straw mulch at a rate 1-2 tons per acre. Anchor straw by tacking with asphalt, netting,
- A disk with blades set nearly straight can be used as 1. Referti Reseed. followi

or a mulch anchoring tool.

Seeding Dates	Recommended Planting	Rate (Ib/ac)
Feb. 15 - Apr. 1 Sep. 1 - Nov. 1	Tall Fescue Mixture	see table 2
Apr. 1 - Aug. 1	Hybrid Bermudagrass	see table 2
Apr. 1 - Jul. 15	Common Bermudagrass	see table 2
Mar. 1 – Jul. 1	Centipedegrass	see table 2

PERMANENT SEEDING TABLE 2g-LOW MAINTENANCE MIXTUR				
Site Description	Recommended Planting	Rate (Ib/ac		
Well to poorly drained soils	Tall Fescue Mixture Pensacola Bahiagrass Kobe Lespedeza	80 50 40		
Dry to well drained soils	Pensacola Bahiagrass Common Bermudagrass Kobe Lespedeza German Millet	50 30 10 10		
Swales	Common Bermudaarass	40-80		

PERMANENT SEEDING	TABLE 2b-HIGH MAINTEN	NANCE MIXTURE	
Site Description	Recommended Planting	Rate (Ib/ac	
Well to poorly drained soils	Tall Fescue Mixture Rye Grain	200 25	
Dry to well drained soils	Hybrid Bermudagrass	50	
Well drained sandy loam to sand, lawns,	Centipedegrass	10-20	

For seeding outside of recommended dates and/or for temporary stabilization, refer to temporary

For highly erosive areas or as directed by an engineer, sod shall be provided.

TEMPORARY SEEDING TABLE

	Recommended Planting			
Dec. 1 - Apr. 15	Kobe Lespedeza with Rye Grain	50 120		
Apr. 15 - Aug. 15	German Millet	40		
Aug. 15 - Dec. 1	Rye Grain	120		

SOD INSTALLATION

- 1. Fertilize and lime per recommendations of soil tests or apply 100 lb/1,000 sf ground agricultural limestone and 25 lb/1,000 sf fertilizer. In the fall, use 10-10-10. In the spring, use 5-10-10. Incorporate lime/fertilizer 4-6 inches. . Rake or harrow to achieve a smooth final grade.
- 4. Roll to achieve a smooth, firm surface on which to lay the sod. 5. Lightly rake and irrigate top layer of soil just
- prior to installation. 6. Lay sod in a staggered, brick-like pattern with the longest dimension perpendicular to the slope. Avoid gaps. Use a knife to fit irregular shapes.
- 7. Roll sod lightly after installation to ensure good sod to soil contact. 8. Irrigate initially to wet soil to a depth of 4". Keep soil moist for 2-3 weeks thereafter or until sod has taken root.

as a mulch anchoring tool. tilize if growth is not fully ed, refertilize and mulch imme owing erosion or other daMGe.	/ adequate. ediately		MINIMUM PIPE BURIAL DEPTH PER PIPE		8" MIN THICKNESS G	UIDELINE	
PERMANENT SEEDING TABLE	E 1	(2) VARIABLE INVERT HEIGHTS	MANUFACTURER RECOMMENDATION				
Dates Recommended Plantir	ng Rate (Ib/ac)	PI ANS/TAKE OFF)	MIN. MANUFACTURING (4) ADAPT		TRAFFIC LOADS: CONCRETE SLAB	DIMENSIONS ARE FOR GUIDE	ELINE
- Apr. 1 Nov. 1 Tall Fescue Mixture	e see table 2	RE	EQ. SAME AS MIN. SUMP) ANGLE VARIABLE 0° ACCORDIN	- 360° G TO	PURPOSES ONLY. ACTUAL CONCR TAKING INTO CONSIDERATION LOC	CAL SOIL CONDITIONS, TRAFF	
Aug. 1 Hybrid Bermudagrass			PLANS		LOADING, & OTHER APPLICABLE DE	ESIGN FACTORS.	
Jul. 15 Common Bermudagrass				A TOWN			
Jul. 1 Centipedegrass	see table 2				a	ı	
NT SEEDING TABLE 2a-LOW MAINTE cription Recommended Planting poorly Tall Fescue Mixture Pensacola Bahiagrass Kobe Lespedeza ell Pensacola Bahiagrass Common Bermudagrass Kobe Lespedeza German Millet	Rate (1b/ac) 80 50 40	(3) VARIOUS TYPES OF INLET & OUTLET ADAPTE AVAILABLE: 4" - 30" FOR CORRUGATED HE (ADS N-12/HANCOR DUAL WALL, ADS/HANC SINGLE WALL), N-12 HP, PVC SEWER (EX: SDR PVC DWV (EX: SCH 40), PVC C900/C9 CORRUGATED & RIBBED F WATERTIGHT JO (CORRUGATED HDPE SHOW	DPE COR 35), 905, PVC		4" MIN ON 12" - 24" 6" MIN ON 30"	ACCORDIN (6" MIN ON 12" - 2	E SUMP DEPTH G TO PLANS 14", 10" MIN ON 30" FACTURING REQ.)
Common Bermudagrass T SEEDING TABLE 2b-HIGH MAINT	40-80 ENANCE MIXTURES	000000000000000000000000000000000000000			GRANULAR MATERIAL ME CLASS II, OR CLASS III MA	SHALL BE CRUSHED STONE (EETING THE REQUIREMENTS (TERIAL AS DEFINED IN ASTM R SURFACE DRAINAGE INLETS	OF CLASS I, D2321.
cription Recommended Planting	Rate (Ib/ac)				PLACED & COMPACTED U	JNIFORMLY IN ACCORDANCE	WITH ASTM D2321.
poorly Tall Fescue Mixture soils Rye Grain	200 25						
ell soils Hybrid Bermudagrass	50	 1 - 12" - 30" FRAMES & GRATES SHALL BE DUCTILE IRON PER ASTM GRADE 70-50-05. 2 - DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO 		/HICH DRAWN BY EBC	MATERIAL		3130 VERONA AVE
ined		DETAILS.	NYLOPLAST HAS PROPRIETARY RIGHTS. THE	RECEIPT		(20)	BUFORD, GA 30518

(1, 2) INTEGRATED DUCTILE IRON FRAME &

- DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO

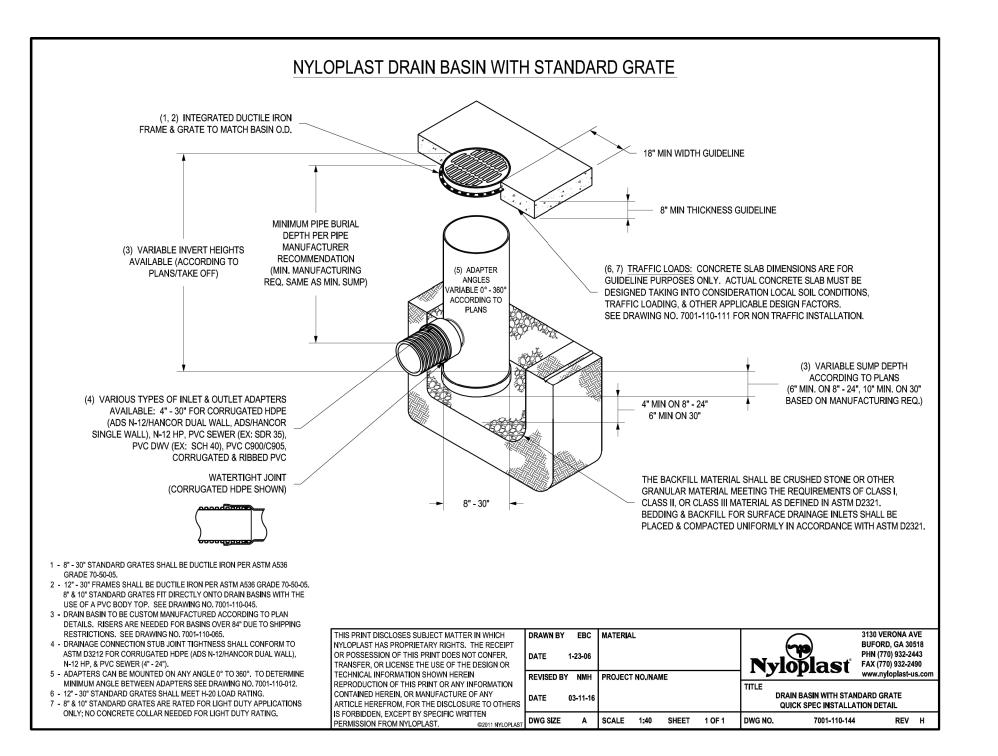
ASTM D3212 FOR CORRUGATED HDPE (ADS N-12/HANCOR DUAL WALL), N-12 HP, & PVC SEWER (4" - 24").

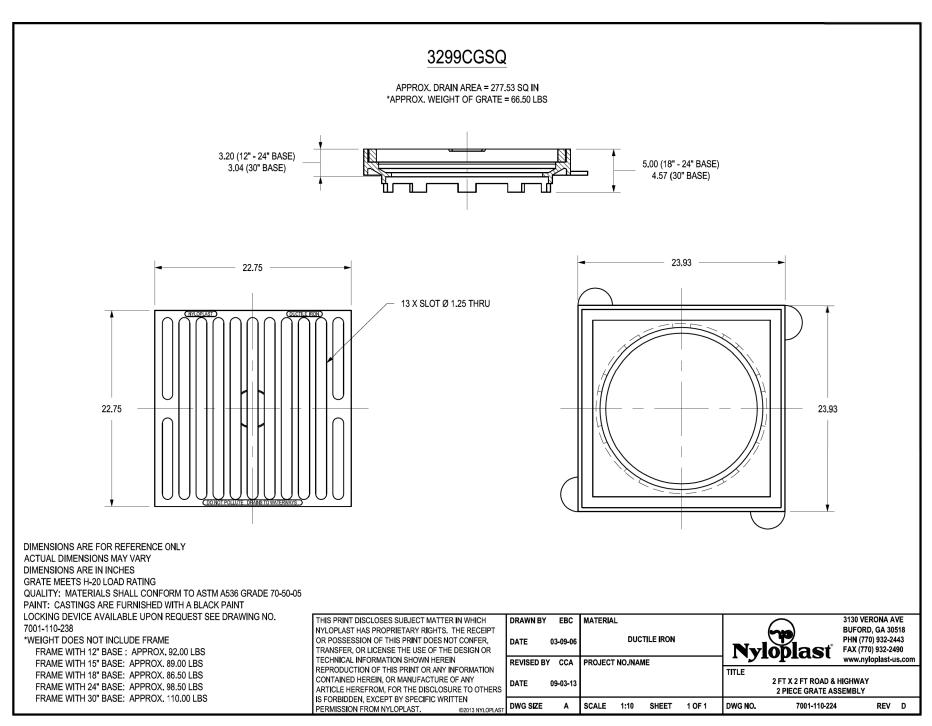
- ADAPTERS CAN BE MOUNTED ON ANY ANGLE 0° TO 360°. TO

NO. 7001-110-012. 5 - ROAD & HIGHWAY GRATE SHALL MEET H-20 LOAD RATING.

DETERMINE MINIMUM ANGLE BETWEEN ADAPTERS SEE DRAWING

GRATE TO MATCH BASIN O.D.





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Nyloplast FAX (770) 932-2490

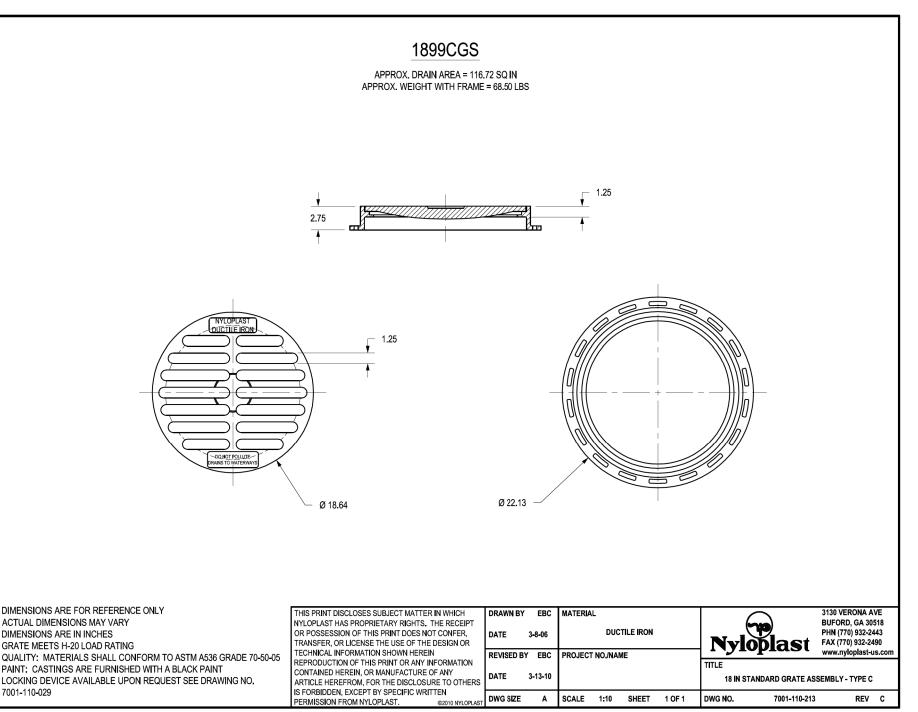
DRAIN BASIN WITH 2 FT X 2 FT ROAD & HIGHWAY GRAT

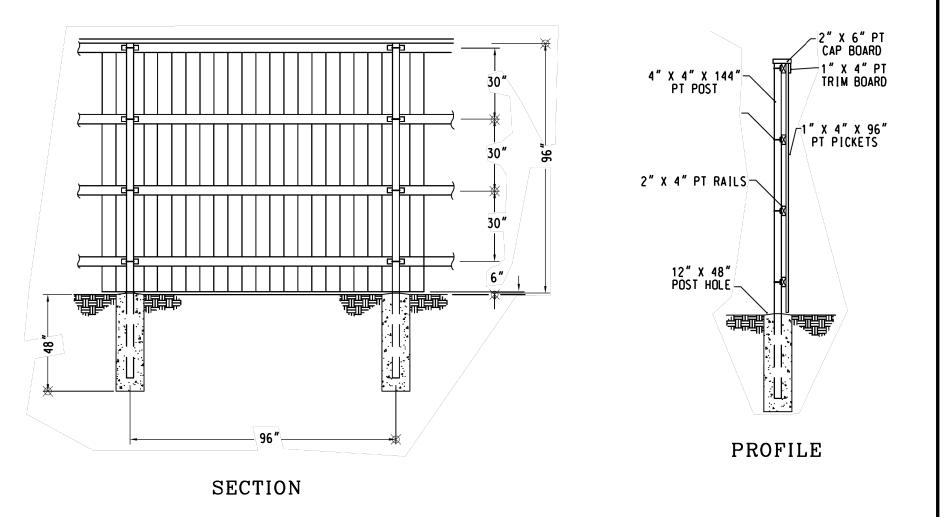
QUICK SPEC INSTALLATION DETAIL

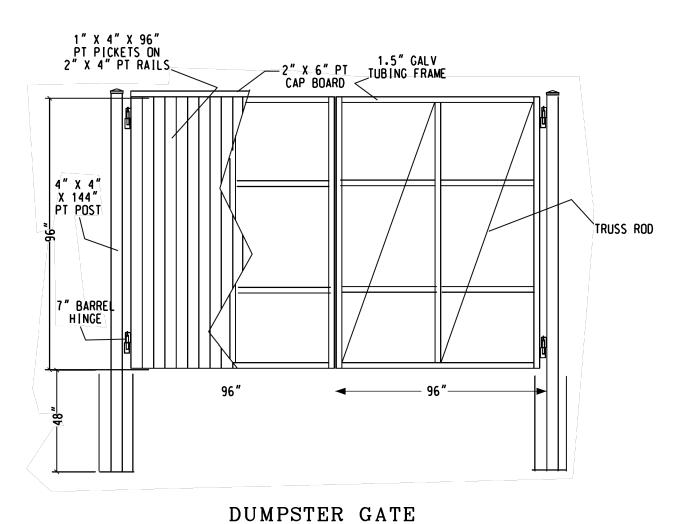
7001-110-162 REV G

DWG SIZE A SCALE 1:40 SHEET 1 OF 1 DWG NO.

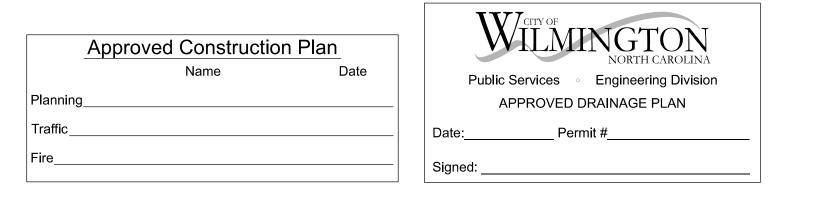
NYLOPLAST 2 FT X 2FT ROAD & HIGHWAY STRUCTURE: 32 _ AGS _ X











NORTH CAROLINA

DESIGNED: DLM

DRAWN: DLM

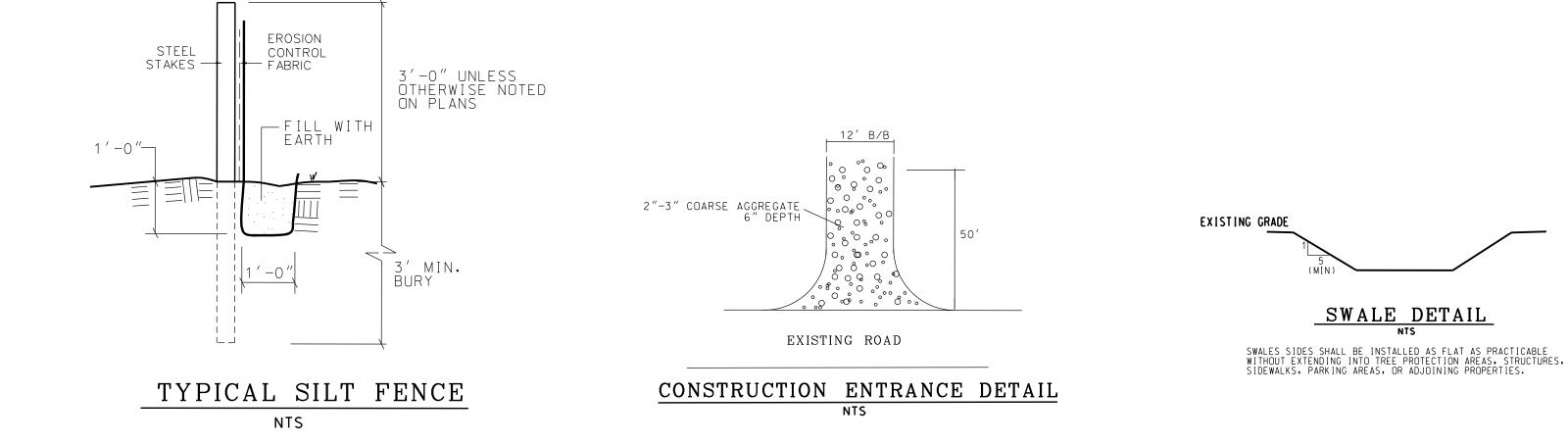
APPROVED: JHI

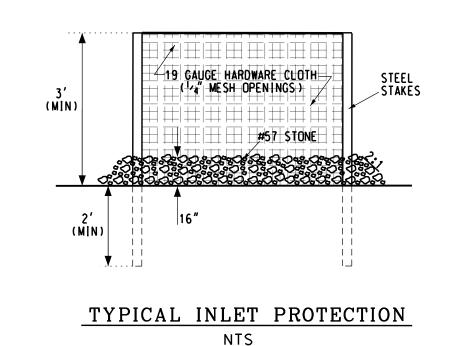
DATE: 11/14/201

SCALE: AS NOTED

SHEET: 9

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