SCSB - SILAS DRIVE EXTENSION

LEGEND

EXISTING		PROPOSED	
CONCRETE MONUMENT FOUND	•	TELEPHONE POLE	- 0-
IRON PIPE FOUND	•	TELEPHONE MANHOLE	©
ELECTRIC METER	ELEC	ELECTRIC MANHOLE	
ELECTRIC MANHOLE	(BEE)	ELECTRIC METER	BLEC
LIGHT STANDARD	o—≎	LIGHT	○ —○
POWER POLE	~ <i>/</i> _	STANDARD POWER POLE	$\rightarrow \sim$
SHARED POWER POLE W/ TRANSFORMER	√\$ >−	POWER POLE SHARED	
SHARED POWER POLE	-⟨u⟩-	POWER POLE SHARED W/TRANSFORMER	- �-
TELEPHONE POLE	-C-	GAS METER	6/A
REDUCER	>	GAS VALVE	
WATER METER	<u></u>	WATER METER	WITER
WATER VALVE	C _{ween} C	WATER VALVE	
FIRE HYDRANT	(FH)	WATER REDUCER	•
BACKFLOW PREVENTER	$\bowtie \cap \bowtie$	WATER TEE	工
SANITARY SEWER VALVE	L _{SAN-} J	WATER 90° BEND	Ľ,
SANITARY MANHOLE	(sau)	SINGLE WATER SERVICE	•
STORMWATER MANHOLE		DOUBLE WATER SERVICE	8
FDOT STROMWATER MANHOLE	(2)	FIRE HYDRANT	ਚ
GROUND CONTOUR -	- 5	BACKFLOW PREVENTER	MoM
D.O.T. MARKER FOUND	*	SANTARY MANHOLE	$oldsymbol{\Theta}$
GAS METER	GAS	SANITARY VALVE	
GAS VALVE	LGASJ	SANITARY SINGLE SERVICE	-101
SOIL BORING LOCATION	0	SANITARY DOUBLE SERVICE	₫
SINGLE POST SIGN		GROUND CONTOUR -	— 25 —
BENCH MARK		DITCH BLOCK	
SECTION CORNER	+	STORMWATER MANHOLE	(e)
		FLOW ARROW	~~~
		HANDICAP PARKING	6
		MITERED END	
		SIGN	-

ABBREVIATIONS

P PROPERTY LINE

Ę	CENTER LINE	MH	MANHOLE	
Æ	BASE LINE	G	GAS	
SAN	SANITARY SEWER	UC	UNDERGROUND CABLE	
ST	STORM SEWER	oc	OVERHEAD CABLE	
E	ELECTRIC	W	WATER LINE	
OHE	OVERHEAD ELECTRIC	HDPE	HIGH-DENSITY POLYETHYLENE	
UG	UNDERGROUND ELECTRIC	RCP	REINFORCED CONCRETE PIPE-ROUND	
ОНТ	OVERHEAD TELEPHONE	RCPA	REINFORCED CONCRETE PIPE-ARC	
UT	UNDERGROUND TELEPHONE	RCPE	REINFORCED CONCRETE PIPE-ELLIPTIC	
R	RADIUS	CMP	CORRUGATED METAL PIPE-ROUND	
co	CLEANOUT	ÇMPA	CORRUGATED METAL PIPE-ARC	
вм	BENCH MARK	BCCMP		
ΙE	INVERT ELEVATION		METAL PIPE	
LF	LINEAR FEET	BCCSP	BITUMINOUS COATED CORRUGATED STEEL PIPE	

ROADWAY CONSTRUCTION PLANS

FOR:

Suwannee County School Board Mark Carver 702 NW 2nd ST Live Oak, FL 32056 Phone: (386) 697-4151

GTC Design Group, LLC. Auth. # 9461 Structural / Civil Engineers www.gtcdesigngroup.com

Live Oak P.O. Box 187 130 West Howard Street Live Oak, FL 32064 Phone: (386) 362-3678

Fax: (386) 362-6133

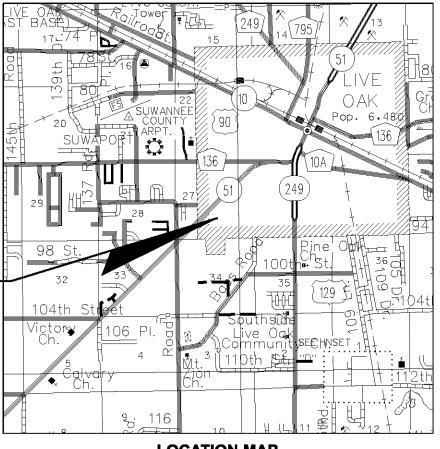
<u>Lake City</u> 176 NW Lake Jeffery Rd Lake City, FL 32055 Phone: (386) 719-9985 Fax: (386) 719-8828 www.gtcdesigngroup.com

Chadwick W. Williams, PE 63144 Auth. #: 9461

PROJECT LOCATION

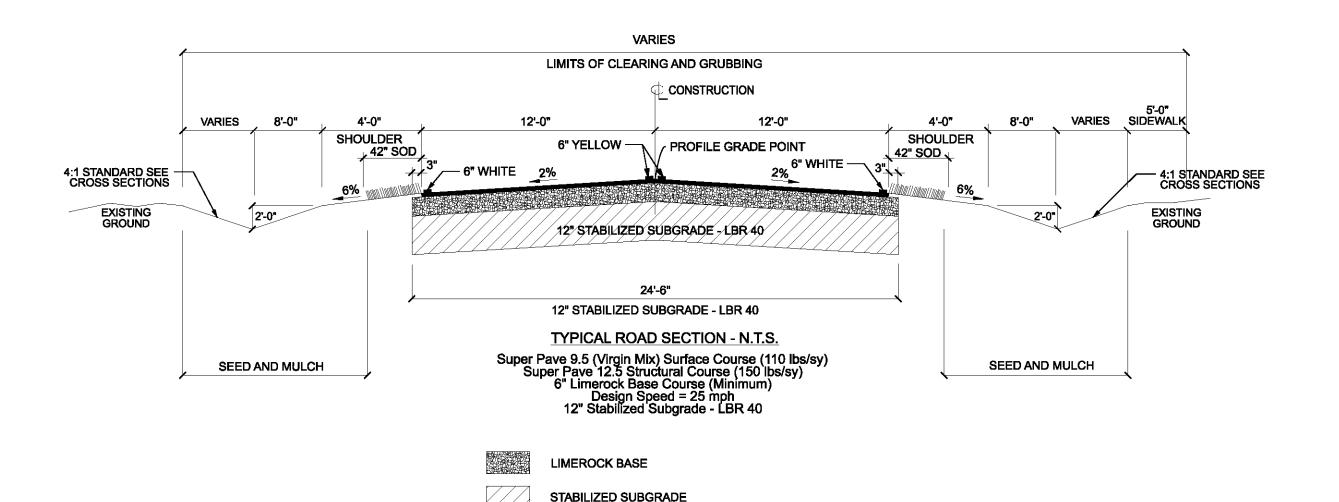
SHEET INDEX

1	GENERAL NOTES AND DETAILS
2	SITE PLAN & KEY SHEET
3	STORMWATER PLAN
4	EROSION CONTROL NOTES
5-6	MISCELLANEOUS NOTES & DETAILS
7	HANDRAIL DETAILS
PP1 - PP2	PLAN & PROFILE SHEETS
XSC1 - XSC4	CROSS SECTIONS



LOCATION MAP

SECTION 27, TOWNSHIP 2 SOUTH, RANGE 13 EAST SUWANNEE COUNTY, FLORIDA



GENERAL NOTES

- The contractor shall verify all existing conditions and dimensions at the job site to insure that all new work will fit in the manner intended on the plans. Should any conditions exist that are contrary to those shown on the plans, the contractor shall notify the engineer of such differences immediately prior to proceeding with the work.
- The contractor shall maintain the construction site at all times in a secure manner. All open trenches and excavated areas shall be protected from access by the general public.
- Boundary and topographical information shown was obtained from a survey performed by J. Sherman Frier Inc.,# LB 7170.
- 4. Any public land corner within the limits of construction is to be protected. If a corner monument is in danger of being destroyed and has not been properly referenced, the contractor should notify the engineer.
- The site is located in Section 27 of Township 2 South, Range 13 East and Suwannee County, Florida.
- Contractors shall adhere to the Erosion Control Plan. All erosion control measures shall be implemented prior to construction and be continued until construction is complete.
- 7. All disturbed areas not sodded shall be seeded with a mixture of long-term vegetation and quick-growing short-term vegetation for the following conditions. For the months from September through March, the mix shall consist of 70 pounds per acre of long-term seed and 20 pounds per acre of winter rye. For the months of April through August, the mix shall consist of 70 pounds per acre of long-term seed and 20 pounds per acre of millet.

8. All construction signage shall be the responsibility of the contractor.

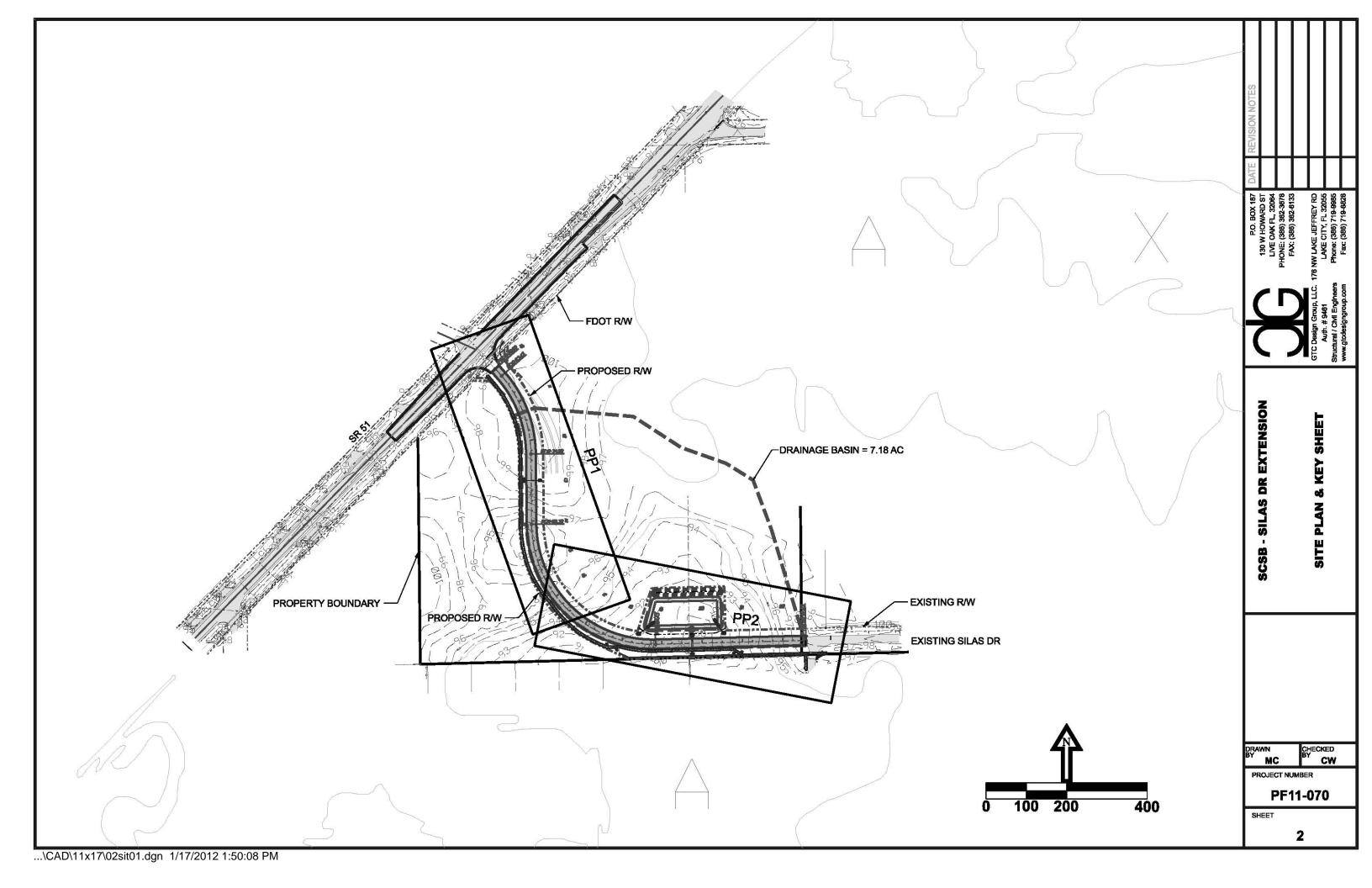
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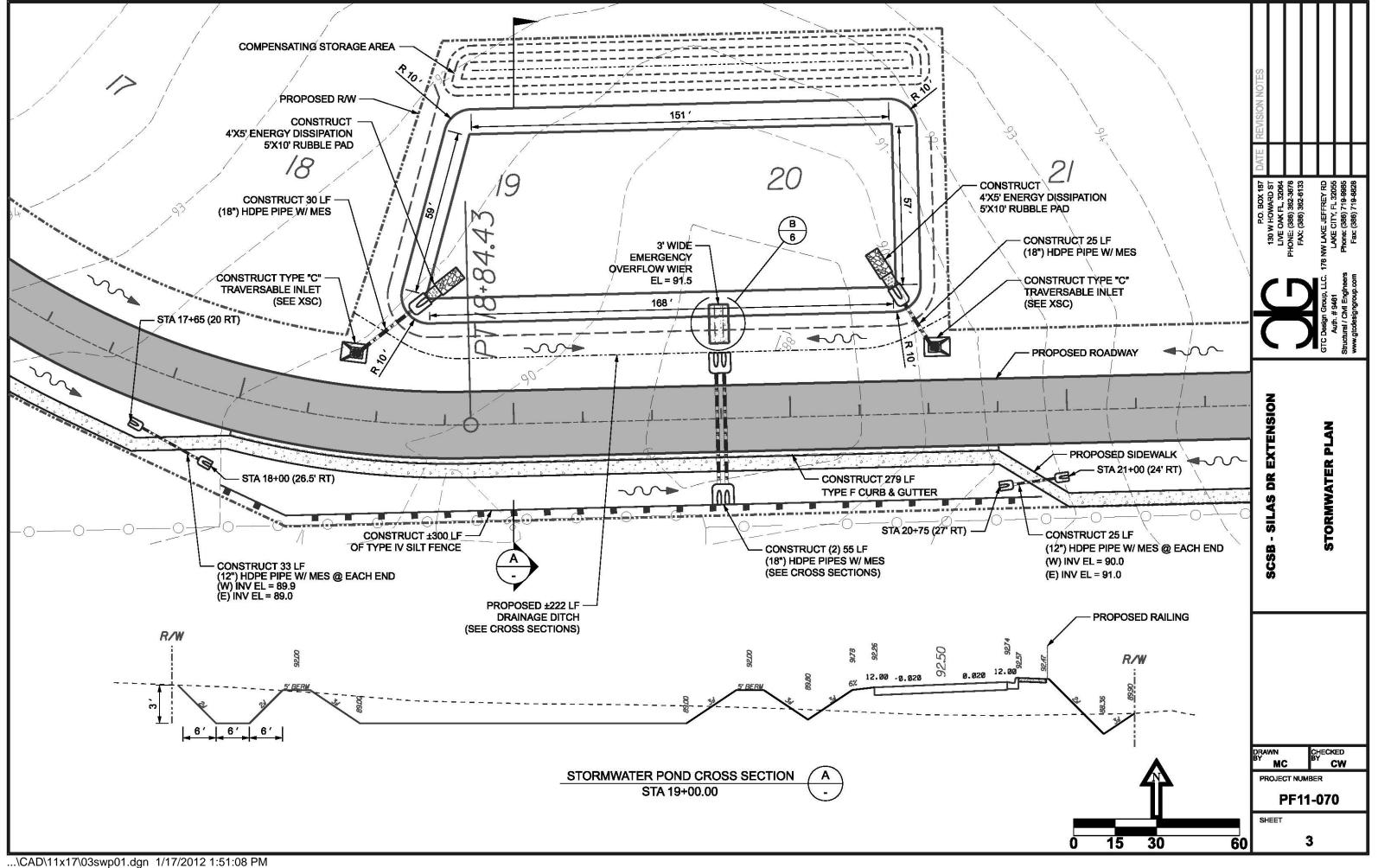
- 9. The location of the utilities shown in the plans is approximate only. The exact location shall be determined by the contractor during construction.
- 10. Contractor shall coordinate all work with other contractors within project limits.
- All stormwater pipes shall have a minimum cover of 6". Use Limerock backfill if pipe under pavement has less than 12" cover.
- Contractor shall sod all slopes of 3' horizontal to 1' vertical and staple sod all slopes of 2' horizontal to 1' vertical.
- 13. All erosion control measures shall be implemented prior to construction and be continued until construction is complete. Contractor shall take necessary measures to minimize erosion, turbidity, nutrient loading and sedimentation to adjacent lands and low areas. The Erosion and Sediment Control Plan shall be maintained as designed and upgraded as needed as directed by Engineer or SRWMD personnel. Construction designs and specifications as outlined by the "Florida Erosion and Sediment Control Inspectors Manual" shall be adhered to.

- 14. Construction and Materials All construction and materials shall conform to the requirements of the Florida Department of Transportation Specifications for Road and Bridge Construction, Latest Edition. Certification by an approved testing laboratory is required (contractor responsibility). Payment shall be as specified in the bid proposal.
- Regulatory signage shall be performed by Suwannee County forces after project completion.
- 16. See JSFA right of way maps for right of way details



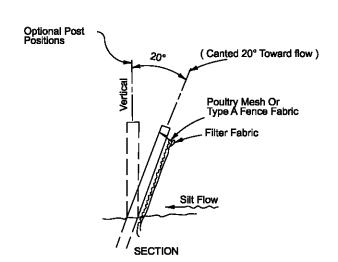
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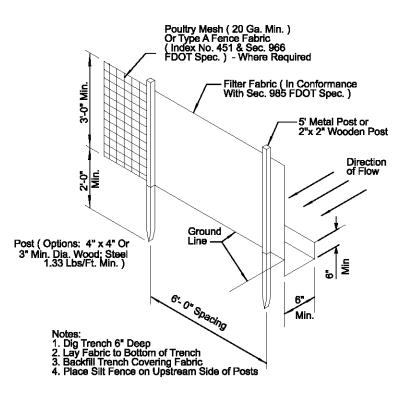




EROSION CONTROL NOTES

- Contractor shall adhere to Suwannee County, SRWMD and other governing authorities for erosion and sediment control regulations. Contractor shall use BMP's from "The Florida Development Manual".
- 2. Sediment and erosion control facilities, storm drainage facilities and detention basins shall be installed prior to any other construction.
- Erosion control measures shall be inspected weekly and after each rainfall and replaced as necessary.
- Sediment and erosion control measures shall not be removed until all construction is complete and until a permanent ground cover has been established.
- All open drainage swales shall be grassed and riprap shall be placed as required to control erosion.
- Silt fences shall be located on site to prevent sediment and erosion from leaving right-of-way limits.
- Additional erosion control devices shall be used as required.
- Silt fence shall be cleaned or replaced when silt builds up to within one foot of top of silt fence.
- During construction and after construction is complete, all structures shall be cleaned of all debris and excess sediment.
- All grades areas shall be stabilized immediately with a temporary fastgrowing cover and/or mulch.
- A pad of rubble riprap shall be placed at the bottom of all collection flumes and collection pipe outlets.
- 12. All disturbed areas not sodded shall be seeded with a mixture of long-term vegetation and quick-growing short-term vegetation for the following conditions. For the months from September through March, the mix shall consist of 70 pounds per acre of long-term seed and 20 pounds per acre of winter rye. For the months of April through August, the mix shall consist of 70 pounds per acre of long-term seed and 20 pounds per acre of millet.
- Staked silt fences shall be placed near all box culvert extensions in accordance with FDOT Standard Index 102.
- Disturbed areas with shall be stabilized by sodding, grassing, and mulching. All side slopes steeper than 4:1 shall be adequately protected from erosion through the use of sodding.
- 15. All stabilization practices shall be initiated as soon as practicable in areas of the job where construction activities have temporarily or permanently stopped, but in no case shall the disturbed area be left unprotected for more than seven (7) days.
- 16. If the proposed erosion control plan does not work, the contractor should use the BMP's in the Florida Erosion and Sediment Control Inspecor's manual to implement a plan that will work and meet actual field conditions.
- All waste generated on the project shall be disposed of by the contractor in areas provided by contractor.
- 18. Loaded haul trucks shall be covered with tarps.
- 19. Excess dirt shall be removed daily.
- This project shall comply with all water quality standards. Permit required from SRWMD has been obtained.
- 21. All pollution controls shall be maintained at all times.
- Type IV silt fence shall be placed to prevent sediment. Silt fence shall be replaced after three (3) months or when sediment reaches one-half (1/2) the height of the fence.
- 23. Qualified personnel shall inspect the area used for storage of stockpiles, the silt fence and straw bales, the location where vehicles enter or exit the site, and the disturbed areas that have not been finally stabilized, at least once every seven (7) calendar days and within 24 hours of the end of a storm of 0.2 inches or greater.
- Sites that have been finally stabilized with sod or grassing shall be inspected at least once every week.
- Contractor is responsible for the construction and maintenance of all erosion and sedimentation controls during proposed construction.

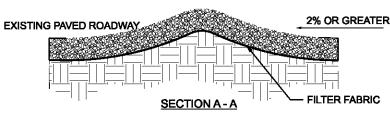


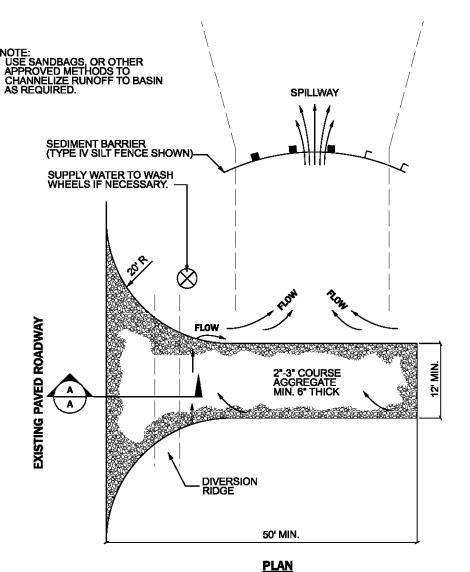


TYPE IV SILT FENCE

AS COMPARED TO TYPE III SILT FENCE, TYPE IV FENCE HAS GREATER STRENGTH AND HEIGHT WHICH REDUCES THE POSSIBILITY OF SEDIMENT AND WATER FROM OVERTOPPING THE FENCE. AS A RESULT, AVOID USING TYPE IV FENCE IN AREAS WHERE THE DETAINED WATER WOULD BACK INTO TRAVEL LANES OR OFF THE RIGHT OF WAY.

DIVERSION RIDGE REQUIRED WHERE GRADE EXCEEDS 2%





TEMPORARY GRAVEL CONSTRUCTION ENTRANCE

NTS

NOTES:

1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEAN OUT OF ANY MEASURES USED TO TRAP SEDIMENT.

2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY.

3. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS ONTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.

130 W HOWARD ST LINE OWEN WOLES

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Auth. # 9461

EROSION CONTROL NOTES

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CSB

RAWN CHECKED BY CW

PROJECT NUMBER

PF11-070

SHEET

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