BEST MANAGEMENT PRACTICE (BMP)	SPECIAL DRAWING NUMBER	PLAN SYMBOL	MATERIALS REQUIREMENT REFERENCES REFERENCES	
TEMPORARY SLOPE DRAIN PIPE WITH ROCK DITCH CHECK AND SUMP EXCAVATION	ESC-200-2		665.02, 665.03, 801, 810, 814 ALDOT LIST II-3 665.05	A TEMPORARY SLOPE DRAIN WITH RIPRAP DITCH CHI AND SUMP EXCAVATION IS CONSTRUCTED WITH A FLEXIBLE PIPE OR CONDUIT EXTENDING FROM THE T OF A CUT OR FILL SLOPE INTO AN EXCAVATED SEDIM TRAPPING SUMP WITH A ROCK DITCH CHECK DOWN SLOPE OF THE SUMP. THE PURPOSE OF THE TEMPORA SLOPE DRAIN IS TO CONVEY STORMWATER RUNOFF I THE FACE OF THE SLOPE WITHOUT CAUSING EROSION THE SLOPE.
TEMPORARY EARTH BERM	ESC-200-2		665.02 665.03, 665.04, 665.05	A TEMPORARY EARTH BERM CONSISTS OF A CHANNE CONSTRUCTED ACROSS A SLOPE AND BACKED ON TH LOWER SIDE BY AN EARTHEN RIDGE. THE TEMPORAR EARTH BERM IS USED TO REDUCE SLOPE LENGTH AND DIVERT RUNOFF TO STABILIZED OUTLETS SUCH AS A TEMPORARY SLOPE DRAIN PIPE.
BRUSH BARRIER	ESC-200-3		665.02 665.03, 665.04, 665.05	BRUSH BARRIERS ARE TEMPORARY SEDIMENT TRAPP STRUCTURES CONSTRUCTED AT THE PERIMETER OF DISTURBED AREAS THAT ARE MADE FROM RESIDUE OF CLEARING AND GRUBBING. BRUSH BARRIERS CONTR SITE TRANSPORT OF SEDIMENTS UNTIL STABILIZATION DISTURBED AREAS CAN BE ACHIEVED.
SILT FENCE SEDIMENT BARRIER	ESC-200-3 ESC-200-4		665.02, 665.03, AASHTO M288 665.04, ALDOT LIST II-3 665.05	A SILT FENCE SEDIMENT BARRIER CONSIST OF AN ENTRENCHED FILTER FABRIC STRETCHED ACROSS A WIRE BACKING THAT IS SUPPORTED BY POSTS. THE PURPOSE OF SILT FENCE SEDIMENT BARRIERS IS TO INTERCEPT AND TRAP SEDIMENT AS WELL AS DECREASE RUNOFF VELOCITIES OF SHEET FLOW AND MODERATE CHANNEL FLOWS.
SEDIMENT RETENTION BARRIER	ESC-200-5		665.02 665.03 ASHTO M288 665.04 ALDOT LIST-3 665.05	SEDIMENT RETENTION BARRIERS ARE USED AS A PER CONTROL MEASURE TO PROVIDE PROTECTION TO CL WATER RUNNING THROUGH THE PROJECT OR OTHER AREAS.
DITCH CHECK STRUCTURES	ESC-300-1	SEE SYMBOLS BELOW FOR EACH CHECK STRUCTURE	665.02 665.03, 665.04, 665.05	DITCH CHECKS ARE INSTALLED TO CONTROL RUNOFF VELOCITY AND THUS REDUCE EROSION AND PROVIDE FOR TRAPPING OF SEDIMENTS. SELECTION OF THE APPROPRIATE DITCH CHECK IS A FUNCTION OF DRAINAGE AREA, DITCH GRADIENT AND SOIL TYPE.
HAY BALE DITCH CHECK	ESC-300-2		665.02 665.03, 665.04, 665.05	HAY BALES ARE USED TO INTERCEPT LOW VOLUME FLOWS IN LOW TO MODERATE GRADIENT DITCHES.
SAND BAG DITCH CHECK	ESC-300-3		$\begin{array}{cccc} 665.02, & 665.03, \\ 801 & 665.04, \\ 665.05 \end{array}$	SAND BAG DITCH CHECKS ARE USED FOR VELOCITY REDUCTION AND MINIMAL SEDIMENT TRAPPING IN CONCRETE PAVED DITCHES OR IN DITCHES THAT HAVE ROCKY BOTTOMS. SAND BAGS MAY ALSO BE USED AS A SEDIMENT BARRIER ON HARD SURFACES.
WATTLE DITCH CHECK	ESC-300-4		665.02, ALDOT LIST II-24 665.05, MANUFACTUREI LITERATURE	WATTLE DITCH CHECKS ARE APPROPRIATE FOR VELOCITY REDUCTION AND CONTROL OF SEDIMENT TRANSPORT UNDER LOW TO MEDIUM FLOW CONDITIONS.
SILT DIKE DITCH CHECK	ESC-300-5		665.02,665.03,MANUFACTURER665.04,LITERATURE665.05,MANUFACTURELITERATURE	SILT DIKE DITCH CHECKS CAN BE USED IN DITCHES WITH CONCENTRATED FLOWS WITHIN THE CLEAR ZONE WHERE RIPRAP CAN NOT BE USED.
ROCK DITCH CHECK	ESC-300-6		665.02, 801, 810, 814, PLAN NOTE ALDOT LIST II-3 665.05	ROCK DITCH CHECKS ARE USED PRIMARILY IN HIGH VELOCITY AND LARGE VOLUME DITCH FLOW CONDITIONS TO REDUCE EROSION AND TRAP MINIMA VOLUMES OF SEDIMENT. AGGREGATE DITCH CHECKS CAN BE USED ONLY IN LOW VELOCITY FLOWS AND SERVE AS EFFECTIVE SEDIMENT TRAPS. SIZES OF ROCK WILL BE DESIGNATED ON THE PLANS.
ROCK DITCH CHECK WITH SUMP EXCAVATION	ESC-300-7		665.02, 801, 810, 814, 665.03, PLAN NOTE 665.04, ALDOT LIST II-3 665.05	ROCK DITCH CHECK WITH SUMP EXCAVATION CAN BE PLACED IN DITCHES FOR ON-SITE SEDIMENT TRAPPING.



ALABAMA DEPARTMENT OF TRANSPORTATION 1409 COLISEUM BOULEVARD MONTGOMERY, AL 36130-3050 THIS DRAWING MAY BE PROSECUTED TO THE FULLEST EXTENT OF THE LAW. REVISIONS: 1409 COLISEUM BOULEVARD MONTGOMERY, AL 36130-3050 REPARTMENT OF TRANSPORTATION REPRESENTATIVE MONTGOMERY, AL 36130-3050 REPARTMENT OF TRANSPORTATION THE FULLEST EXTENT OF THE LAW.

AN SYMBOL	REQUIREMENT F	ONSTRUCTION REQUIREMENT REFERENCES	USAGE GUIDELINES		
	665.02, 801, 810, 814 ALDOT LIST II-3	665.03, 665.04, 665.05	A TEMPORARY SLOPE DRAIN WITH RIPRAP DITCH CHECK AND SUMP EXCAVATION IS CONSTRUCTED WITH A FLEXIBLE PIPE OR CONDUIT EXTENDING FROM THE TOP OF A CUT OR FILL SLOPE INTO AN EXCAVATED SEDIMENT TRAPPING SUMP WITH A ROCK DITCH CHECK DOWN SLOPE OF THE SUMP. THE PURPOSE OF THE TEMPORARY SLOPE DRAIN IS TO CONVEY STORMWATER RUNOFF DOWN THE FACE OF THE SLOPE WITHOUT CAUSING EROSION ON THE SLOPE.		
	665.02	665.03, 665.04, 665.05	A TEMPORARY EARTH BERM CONSISTS OF A CHANNEL CONSTRUCTED ACROSS A SLOPE AND BACKED ON THE LOWER SIDE BY AN EARTHEN RIDGE. THE TEMPORARY EARTH BERM IS USED TO REDUCE SLOPE LENGTH AND DIVERT RUNOFF TO STABILIZED OUTLETS SUCH AS A TEMPORARY SLOPE DRAIN PIPE.		
	665.02	665.03, 665.04, 665.05	BRUSH BARRIERS ARE TEMPORARY SEDIMENT TRAPPING STRUCTURES CONSTRUCTED AT THE PERIMETER OF DISTURBED AREAS THAT ARE MADE FROM RESIDUE OF LAND CLEARING AND GRUBBING. BRUSH BARRIERS CONTROL OFF SITE TRANSPORT OF SEDIMENTS UNTIL STABILIZATION OF DISTURBED AREAS CAN BE ACHIEVED.		
/ /	665.02, AASHTO M288 ALDOT LIST II-3	665.03, 665.04, 665.05	A SILT FENCE SEDIMENT BARRIER CONSIST OF AN ENTRENCHED FILTER FABRIC STRETCHED ACROSS A WIRE BACKING THAT IS SUPPORTED BY POSTS. THE PURPOSE OF SILT FENCE SEDIMENT BARRIERS IS TO INTERCEPT AND TRAP SEDIMENT AS WELL AS DECREASE RUNOFF VELOCITIES OF SHEET FLOW AND MODERATE CHANNEL FLOWS.		
	665.02 ASHTO M288 ALDOT LIST-3	665.03 665.04 665.05	SEDIMENT RETENTION BARRIERS ARE USED AS A PERIMITER CONTROL MEASURE TO PROVIDE PROTECTION TO CLEAN WATER RUNNING THROUGH THE PROJECT OR OTHER CRITICAL AREAS.		
OLS BELOW FOR CK STRUCTURE	665.02	665 03	DITCH CHECKS ARE INSTALLED TO CONTROL RUNOFF VELOCITY AND THUS REDUCE EROSION AND PROVIDE FOR TRAPPING OF SEDIMENTS. SELECTION OF THE APPROPRIATE DITCH CHECK IS A FUNCTION OF DRAINAGE AREA, DITCH GRADIENT AND SOIL TYPE.		
•••	665.02	665.03, 665.04, 665.05	HAY BALES ARE USED TO INTERCEPT LOW VOLUME FLOWS IN LOW TO MODERATE GRADIENT DITCHES.		
	665.02, 801	665.03, 665.04, 665.05	SAND BAG DITCH CHECKS ARE USED FOR VELOCITY REDUCTION AND MINIMAL SEDIMENT TRAPPING IN CONCRETE PAVED DITCHES OR IN DITCHES THAT HAVE ROCKY BOTTOMS. SAND BAGS MAY ALSO BE USED AS A SEDIMENT BARRIER ON HARD SURFACES.		
	665.02, Aldot list II-24 _M	665.03, 665.04, 665.05, ANUFACTURER LITERATURE	WATTLE DITCH CHECKS ARE APPROPRIATE FOR VELOCITY REDUCTION AND CONTROL OF SEDIMENT TRANSPORT UNDER LOW TO MEDIUM FLOW CONDITIONS.		
		665.03, 665.04, 665.05, ANUFACTURER LITERATURE	SILT DIKE DITCH CHECKS CAN BE USED IN DITCHES WITH CONCENTRATED FLOWS WITHIN THE CLEAR ZONE WHERE RIPRAP CAN NOT BE USED.		
	665.02, 801, 810, 814, PLAN NOTE ALDOT LIST II-3	665.03, 665.04, 665.05	ROCK DITCH CHECKS ARE USED PRIMARILY IN HIGH VELOCITY AND LARGE VOLUME DITCH FLOW CONDITIONS TO REDUCE EROSION AND TRAP MINIMAL VOLUMES OF SEDIMENT. AGGREGATE DITCH CHECKS CAN BE USED ONLY IN LOW VELOCITY FLOWS AND SERVE AS EFFECTIVE SEDIMENT TRAPS. SIZES OF ROCK WILL BE DESIGNATED ON THE PLANS.		
	665.02, 801, 810, 814, PLAN NOTE ALDOT LIST II-3	665.03, 665.04, 665.05	ROCK DITCH CHECK WITH SUMP EXCAVATION CAN BE PLACED IN DITCHES FOR ON-SITE SEDIMENT TRAPPING.		
			NOT TO S	CURRENT ALABAMA DEPARTMENT OF TRANS	
8-23-2011 by J.F.T. ed Chart on 10-20-2014 by J.F.T. ENCE DITCH CHECK, ESC-300 (SHT 8 OF 8)" a	and inserted "SEDIMENT RETENTION R4	ARRIER. ESC-200 (SHT 5 (DF 5)" on 8-10-2016 by J.F.T. DL W. DESIGN BUREAU SPECIAL DRAWING DATE DRAWN: 2006 DATE DRAWN: 2006 DESIGN BUREAU SPECIAL DRAWING DESIGN BUREAU SPECIAL DRAW	SPECIAL DRAWING NO	INDEX NO
rawing No. from ESC-100 (SHEET 1 OF 2) to ESC			DATE DRAWN: 2006 REVISED DATE: 7-7-2021 BEST WANAGEIVIENT FRACTICE REFERENCE MATRIX	ESC-100-1	66501

BEST MANAGEMENT PRACTICE (BMP)	SPECIAL DRAWING NUMBER	PLAN SYMBOL	MATERIALS REQUIREMENT REFERENCES	CONSTRUCTION REQUIREMENT REFERENCES	USAGE GUIDELINES	
SILT FENCE DITCH CHECK	ESC-300-8		665.02, AASHTO M288 ALDOT LIST II-3	665.03, 665.04, 665.05	SILT FENCE DITCH CHECKS ARE USED TO INTERCEPT LOW VOLUME FLOWS IN LOW TO MODERATE GRADIENT DITCHES.	
INLET PROTECTION	ESC-400-1		665.02	665.03, 665.04, 665.05	CONFIGURATIONS MAY BE ADJUSTED WITH APPROVAL OF THE ENGINEER FOR TRAVELWAY SAFETY, WATER FLOW, SOIL OR INSTALLATION CHALLENGES.	
AGGREGATE INLET PROTECTION	ESC-400-2	*	665.02, 801	665.03, 665.04, 665.05	THE ELEVATION OF THE TOP OF THE REQUIRED STONE BERM SHALL BE A MINIMUM OF 1.5 FEET ABOVE THE ELEVATION OF THE INLET WORKING POINT AND A MINIMUM OF 6 INCHES BELOW THE ELEVATION OF THE OUTSIDE EDGE OF THE INSIDE SHOULDER.	_N
WATTLE INLET PROTECTION	ESC-400-3	*	665.02, ALDOT LIST II-24	665.03, 665.04, 665.05,	WATTLE INLET PROTECTION PROVIDES SEDIMENT TRAPPING BY PONDING STORMWATER TO A DEPTH EQUAL TO OR LESS THAN THE WATTLE DIAMETER.	₩ 1.
SAND BAG INLET PROTECTION	ESC-400-4	*	665.02, 801	665.03, 665.04, 665.05	SAND BAG INLET PROTECTION PROVIDES SEDIMENT TRAPPING BY PONDING STORMWATER TO A DEPTH EQUAL TO OR LESS THAN THE STACKED HEIGHT.	
FLOATING BASIN BOOM	ESC-501		665.02, MANUFACTURER LITERATURE	665.03, 665.04, 665.05, MANUFACTURER LITERATURE	A FLOATING BASIN BOOM IS A FLOATING IMPERMEABLE TEXTILE BARRIER WHICH MINIMIZES SEDIMENT TRANSPORT WITHIN A WATERBODY AND MAY BE USED FOR UPLAND SEDIMENT CONTROL REDUNDANCY.	**
STABILIZED CONSTRUCTION ENTRANCE	ESC-502	SCE	665.02, 801	665.03, 665.04, 665.05	STABILIZED CONSTRUCTION ENTRANCES ARE INSTALLED AT POINTS OF VEHICULAR INGRESS AND EGRESS. THE STABILIZED CONSTRUCTION ENTRANCES REDUCE THE AMOUNT OF SEDIMENT TRANSPORTED ONTO PAVED PUBLIC TRAVEL WAYS BY CONSTRUCTION EQUIPMENT AND OTHER MOTOR VEHICLES.	
TEMPORARY DEWATERING STRUCTURE	ESC-503	**	107.13, CONTRACTOR DISCRETION	107.13, 524.03 MANUFACTURER LITERATURE	TEMPORARY DEWATERING STRUCTURES ARE USED TO CAPTURE SEDIMENT THAT MAY BE PRESENT IN DEWATERING DISCHARGES AND TO REDUCE DISCHARGE VELOCITY SUFFICIENTLY TO PROTECT DOWN SLOPE AREAS FROM EROSION. FILTER BAGS ARE USED WHEN DISCHARGING POTENTIALLY SEDIMENT LADEN WATER TO SENSITIVE WATER BODIES OR IN URBAN AREAS.	**
TEMPORARY CULVERT STREAM CROSSING	ESC-504	**	107.13, CONTRACTOR DISCRETION	107.13, 107.21	A TEMPORARY STREAM CROSSING PROVIDES A MEANS FOR VEHICLES AND HEAVY EQUIPMENT TO SAFELY CROSS A WATERCOURSE WHILE MINIMIZING DAMAGE TO STREAMS AND WETLANDS. AN EXAMPLE IS PROVIDED WHICH MAY BE MODIFIED OR ADOPTED BY THE CONTRACTOR.	
TEMPORARY DIVERSIONS	ESC-505 ESC-506	**	107.13, CONTRACTOR DISCRETION	107.13, 107.21, 524.03	TEMPORARY DIVERSIONS ARE USED TO DIVERT STREAM FLOW AROUND CONSTRUCTION WORK UNTIL PERMANENT DRAINAGE STRUCTURES ARE COMPLETED.	**
SEDIMENTATION BASIN	ESC-507	***	665.02, 659.02, 860.11 ALDOT LIST II-11 ALDOT LIST II-24	665.03, 665.04, 665.05, MANUFACTURER LITERATURE	SEDIMENTATION BASINS ARE USED TO REDUCE TURBIDITY OF CONSTRUCTION STORMWATER RUNOFF DURING GRADING.	
FLOCCULANT	ESC-508	***	665.02, 672.02 ALDOT LIST II-24	665.03, 672.03, MANUFACTURER LITERATURE	FLOCCULANT IS USED TO REDUCE TURBIDITY OF CONSTRUCTION STORMWATER RUNOFF DURING GRADING.	
EROSION CONTROL PRODUCTS	ESC-509		659.02, 860.11, ALDOT LIST II-11	659.03, 659.04, 659.05	EROSION CONTROL PRODUCTS ARE USED TO PROTECT SLOPES AND CHANNELS. EROSION CONTROL PRODUCTS ARE USED TO CREATE CONDITIONS THAT ASSIST THE ESTABLISHMENT OF VEGETATION. LOCATIONS SHOWN ON PLANS SHOULD BE BASED ON GRADIENT, SOIL, LONGEVITY AND HYDROLOGY. EROSION CONTROL PRODUCTS WILL GENERALLY BE REQUIRED ON 2H:1V OR STEEPER SLOPE LENGTHS MORE THAN 15 FEET.	



OF TRANSPORTATION 1409 COLISEUM BOULEVARD MONTGOMERY, AL 36130-3050

THIS DRAWING REPRESENTS DESIGNS PREPARED FOR USE BY THE ALABAMA ALABAMA DEPARTMENT DEPARTMENT OF TRANSPORTATION AND IS NOT TO BE COPIED, REPRODUCED, ALTERED, 1. Updated Chart on 8 OR USED BY ANYONE, OR ANY ORGANIZATION, WITHOUT THE EXPRESSED WRITTEN CONSENT OF THE ALABAMA DEPARTMENT OF TRANSPORTATION REPRESENTATIVE AUTHORIZED TO APPROVE THIS USE. ANYONE MAKING UNAUTHORIZED USE OF THIS DRAWING MAY BE PROSECUTED TO THE FULLEST EXTENT OF THE LAW.

REVISIONS: 2. Updated Chart line 3. Updated, Revised C 4. Added Sediment Re 5. Replaced "SEDIME

e positioning on 9-24-2012 by J.F.T. others usins same pattern J.F.T. & J.M.M. Chart and added **** Note on 10-20-2014 by J.F.T. DATE DRAWN !: Chert in Barrier to matrix on 10-2-2015 by L.V.S. DATE DRAWN: ENT RETENTION BARRIER, ESC-200 (SHT 5 0F 5)" and inserted ENT SECTION BARRIER, ESC-200 (SHT 5 0F 5)" and inserted	8-23-2011 by J.F.T.	"SILT FENCE DITCH CHECK, ESC-300 (SHT 8 OF 8)" on 8-10-2016 by J.F.T. 6. Updated Special Drawing No. from ESC-100 (SHEET 2 OF 2) to ESC-100-2 and	Bureau Std Engr:D.J.W	DESIGN BUREAU SPECIAL DRAWING
	etention Barrier to matrix on 10-2-2015 by L.V.S.	others usins same pattern J.F.T. & J.M.M.	DATE DRAWN:2006	

NOTE:

ONLY ONE INLET PROTECTION SYMBOL IS SHOWN ON THE PLANS. CONSTRUCTION PHASING AND SITE CONDITIONS WILL DICTATE WHICH TYPE OF INLET PROTECTION SHOULD BE INSTALLED.

NOTE:

 \times 1. TEMPORARY DEWATERING STRUCTURE, TEMPORARY STREAM CROSSING, AND TEMPORARY DIVERSIONS USE AND LOCATION WILL BE AT CONTRACTOR DISCRETION UNLESS SPECIFICALLY MADE A PART OF THE CONTRACT.

NOTE:

 $\# \pm 1$. SEDIMENTATION BASINS ARE DRAWN TO SCALE ON THE PLANS.

NOTE:

1. FLOCCULANT TO BE APPLIED AT THE DIRECTION OF THE ENGINEER.

NO	Τſ	ГО	SC	AL	Æ
NO	Ι.	10	SC	AL	1

--SPECIFICATIONS--CURRENT ALABAMA DEPARTMENT OF TRANSPORTATION

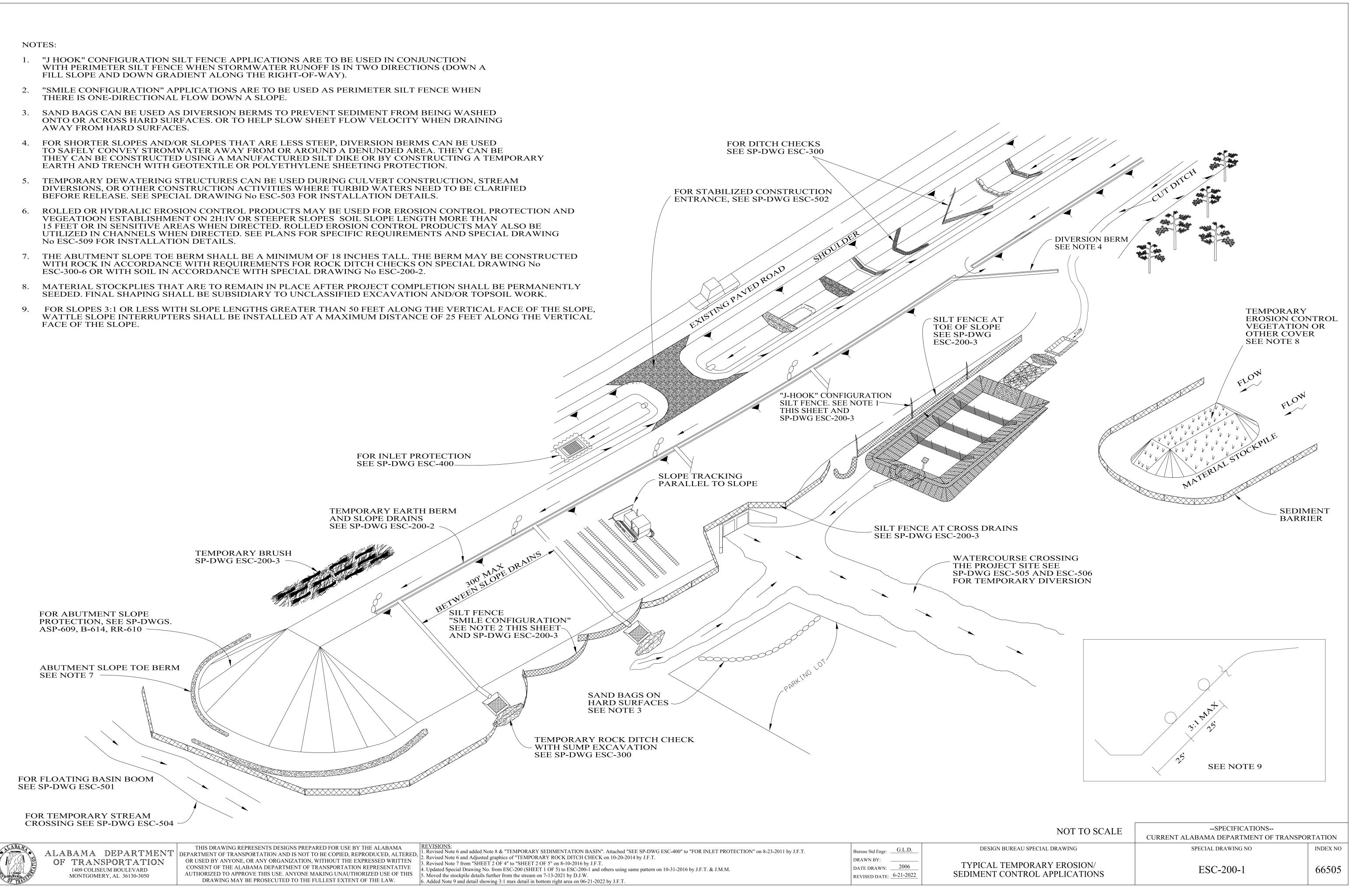
MANAGEMENT PRACTICE

REFERENCE MATRIX

ESC-100-2

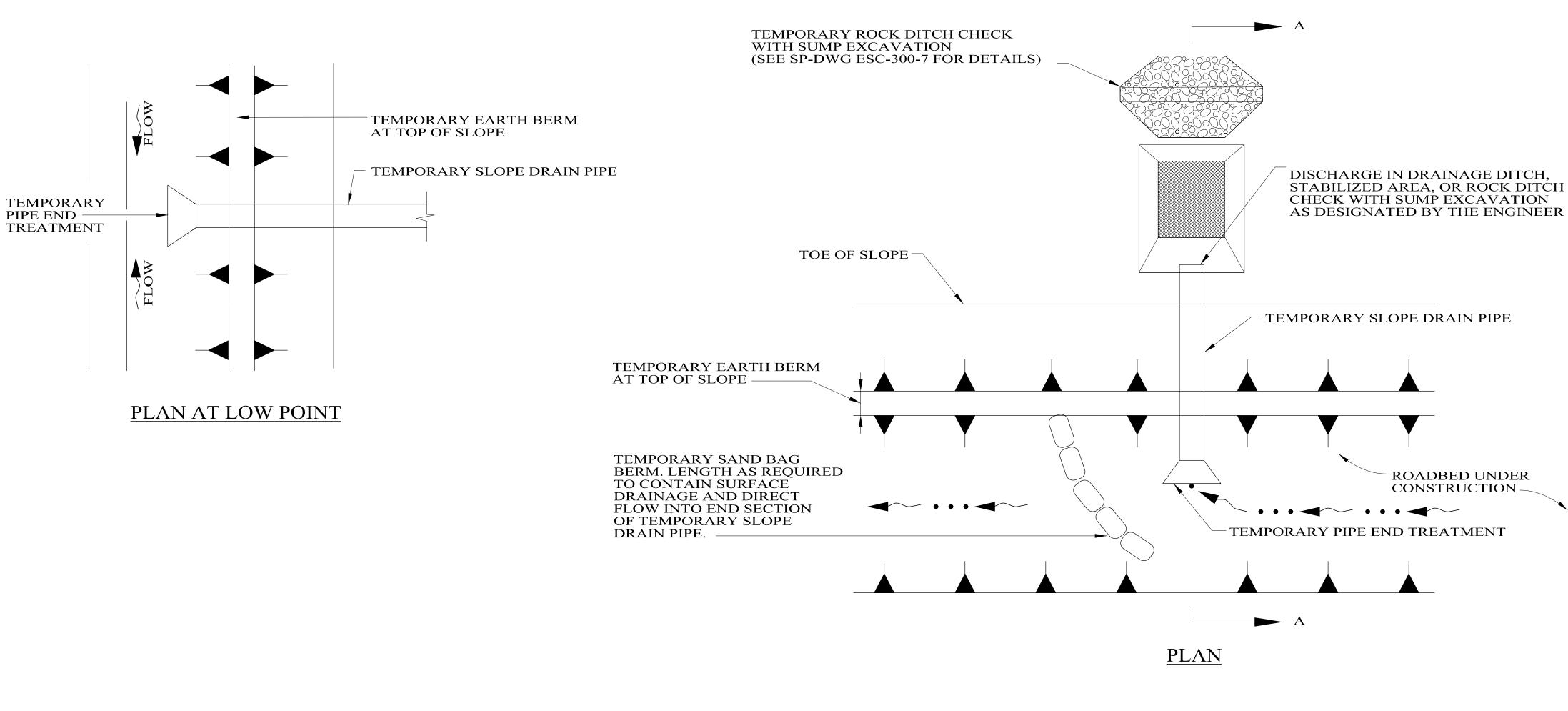
SPECIAL DRAWING NO

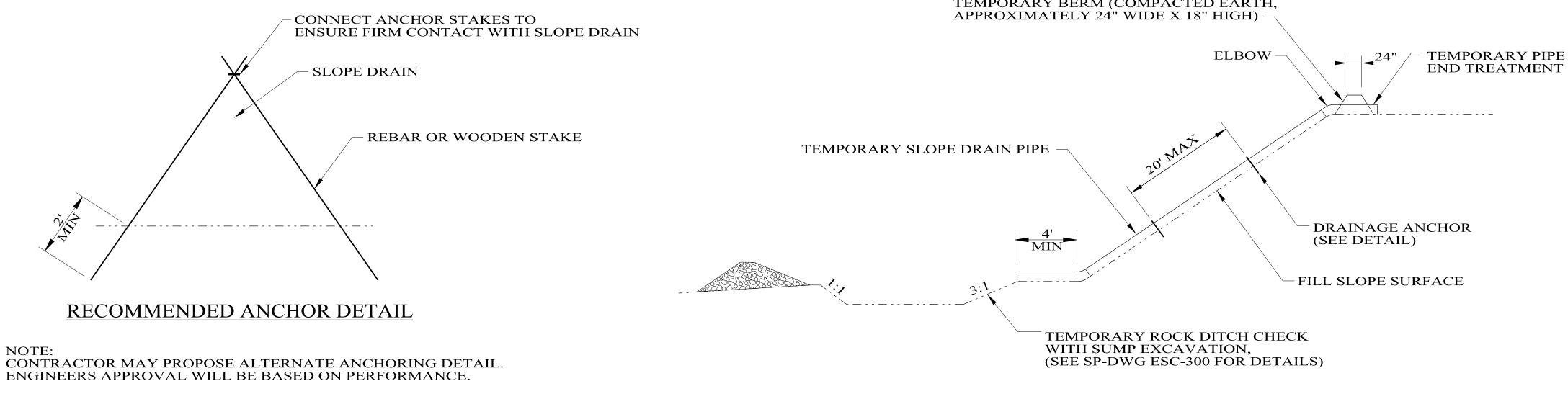
- FILL SLOPE AND DOWN GRADIENT ALONG THE RIGHT-OF-WAY).
- THERE IS ONE-DIRECTIONAL FLOW DOWN A SLOPE.
- AWAY FROM HARD SURFACES.
- EARTH AND TRENCH WITH GEOTEXTILE OR POLYETHYLENE SHEETING PROTECTION.
- No ESC-509 FOR INSTALLATION DETAILS.
- ESC-300-6 OR WITH SOIL IN ACCORDANCE WITH SPECIAL DRAWING No ESC-200-2.
- FACE OF THE SLOPE.





added Note 8 & "TEMPORARY SEDIMENTATION BASIN". Attached "SEE SP-DWG ESC-400" to "FOR INLET PROTECTION" on 8-23-2011 by J.F.T.	Bureau Std Engr:G.L.D	DESI
n "SHEET 2 OF 4" to "SHEET 2 OF 5" on 8-10-2016 by J.F.T. awing No. from ESC-200 (SHEET 1 OF 5) to ESC-200-1 and others using same pattern on 10-31-2016 by J.F.T. & J.M.M.	DRAWN BY: DATE DRAWN:2006 REVISED DATE:6-21-2022	TYPICA SEDIMEN





NOTE:

NOTES:

- 1. TEMPORARY SLOPE DRAINS (BERMS, DRAINS AND ROCK, IF NECESSARY) SHALL BE USED AS THE EMBANKMENT IS CONSTRUCTED. MAXIMUM SPACING OF THE DRAIN ASSEMBLY SHALL BE 300 FEET, OR AS DESIGNATED BY THE ENGINEER. THE DRAIN ASSEMBLIES SHALL BE USED UNTIL THE SLOPES ARE PROTECTED WITH PERMANENT SOIL EROSION CONTROL MEASURES.
- 2. TEMPORARY BERMS SHALL ALSO BE CONSTRUCTED AT THE TOP OF ALL ERODIBLE CUT SLOPES DESIGNATED OR PERMITTED BY THE ENGINEER. THE GRADIENT OF THE BERMS SHALL BE THE MINIMUM POSSIBLE THAT CONDITIONS PERMIT.
- 3. IN SOME CASES IT MAY BE NECESSARY TO EMBED METAL OR PLASTIC PIPE INTO THE FILL SLOPE TO ENSURE PROPER ANCHORAGE.
- 4. THE CONTRACTOR SHALL SELECT THE SIZE OF SLOPE DRAIN PIPE.

TEMPORARY BERM (COMPACTED EARTH,

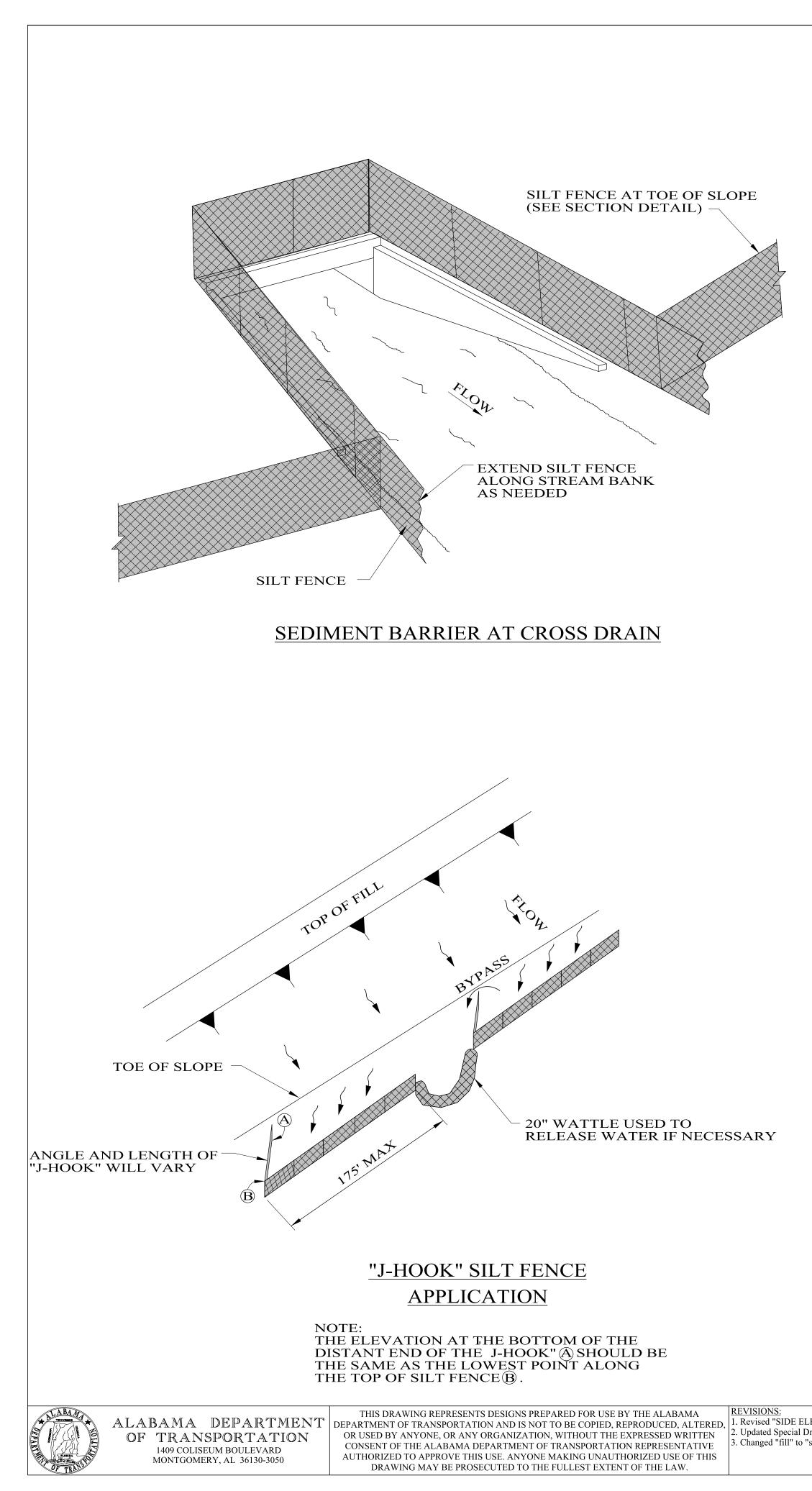
SECTION A-A

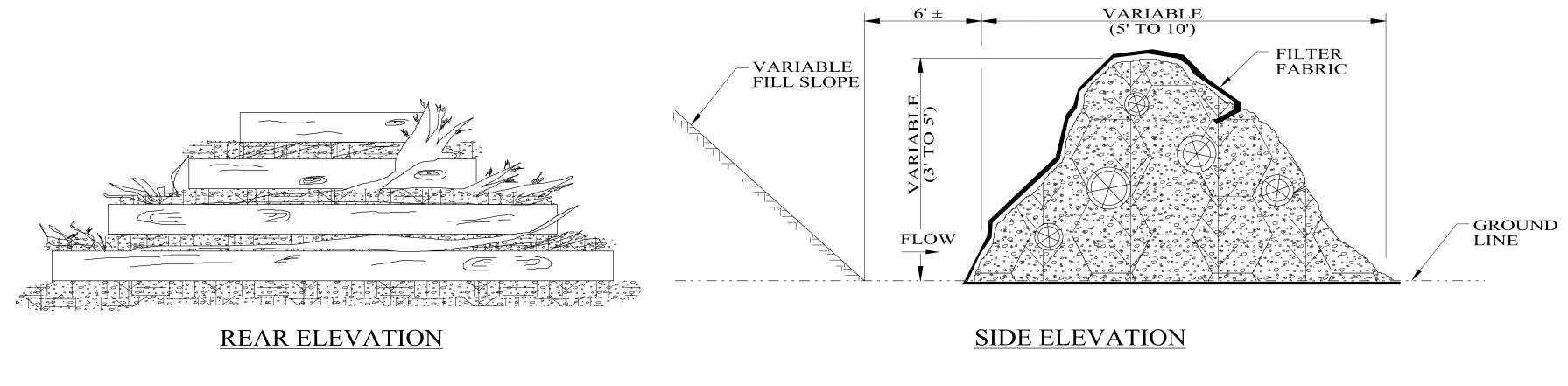
sed PLAN to PLAN AT LOW POINT, deleted "OR "T" SECTION" and deleted "T SECTION DETAIL" on 8-24-2011 by J.F.T.	Bureau Std Engr:D.J.W	DESIGN BUREAU SPECIAL DRAWING
Drawing No. from ESC-200 (SHEET 2 OF 5) to ESC-200-2 on 10-31-2016 by J.F.T. & J.M.M.	DRAWN BY: DATE DRAWN: REVISED DATE: 10-31-2016	DETAILS OF TEMPORARY SLOPE DRAIN, BERMS AND ENERGY DISSIPATOR

TON	TO	SCA	LE

--SPECIFICATIONS--CURRENT ALABAMA DEPARTMENT OF TRANSPORTATION SPECIAL DRAWING NO INDEX NO

ESC-200-2

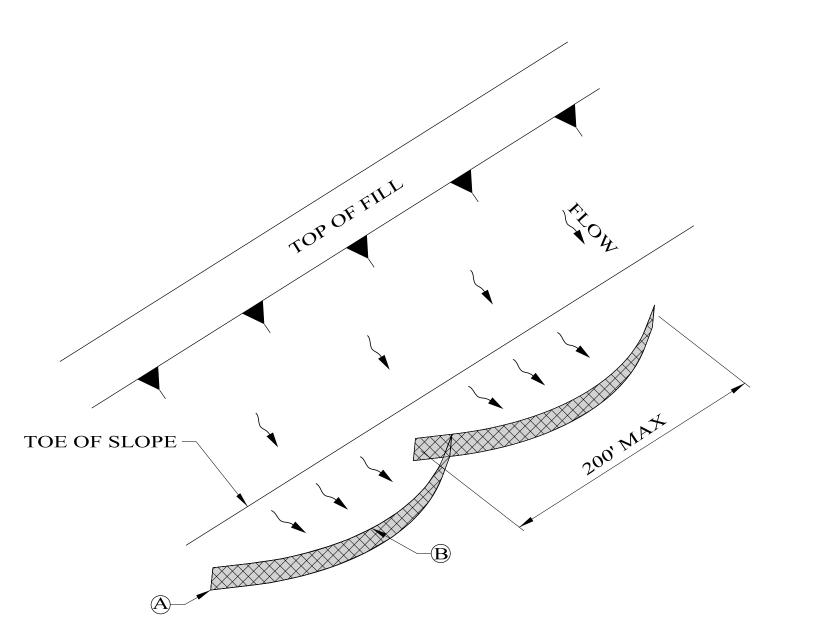




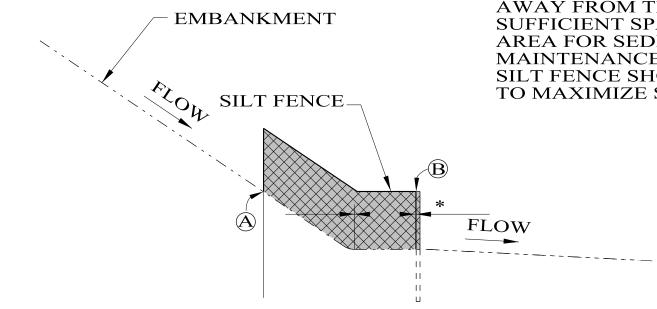
NOTES:

TEMPORARY BRUSH BARRIER

- BRUSH BARRIER MAY BE USED WHERE NATURAL GROUND IS LEVEL OR SLOPING AWAY FROM PROJECT.
- PLACE BRUSH, LOG AND TREE LAPS APPROXIMATELY PARALLEL TO TOE OF FILL SLOPE WITH SOME OF THE HEAVIER MATERIALS BEING PLACED ON TOP TO PROPERLY SECURE THE BARRIER AS DETAILED AT LOCATIONS SHOWN ON PLANS OR AS DIRECTED OR PERMITTED BY THE ENGINEER. 2.
- TO ALLOW WATER TO SEEP THROUGH BRUSH BARRIER, INTERMINGLE THE BRUSH, LOG AND TREE LAPS 3. SO AS NOT TO FORM A SOLID DAM.
- 4. THE BRUSH BARRIER SHALL BE CHOKED WITH FILTER FABRIC.



NOTE: ANCHOR AND INSTALL SILT FENCE PER DETAILS SHOWN ON SPECIAL DRAWING No. ESC-200-4.

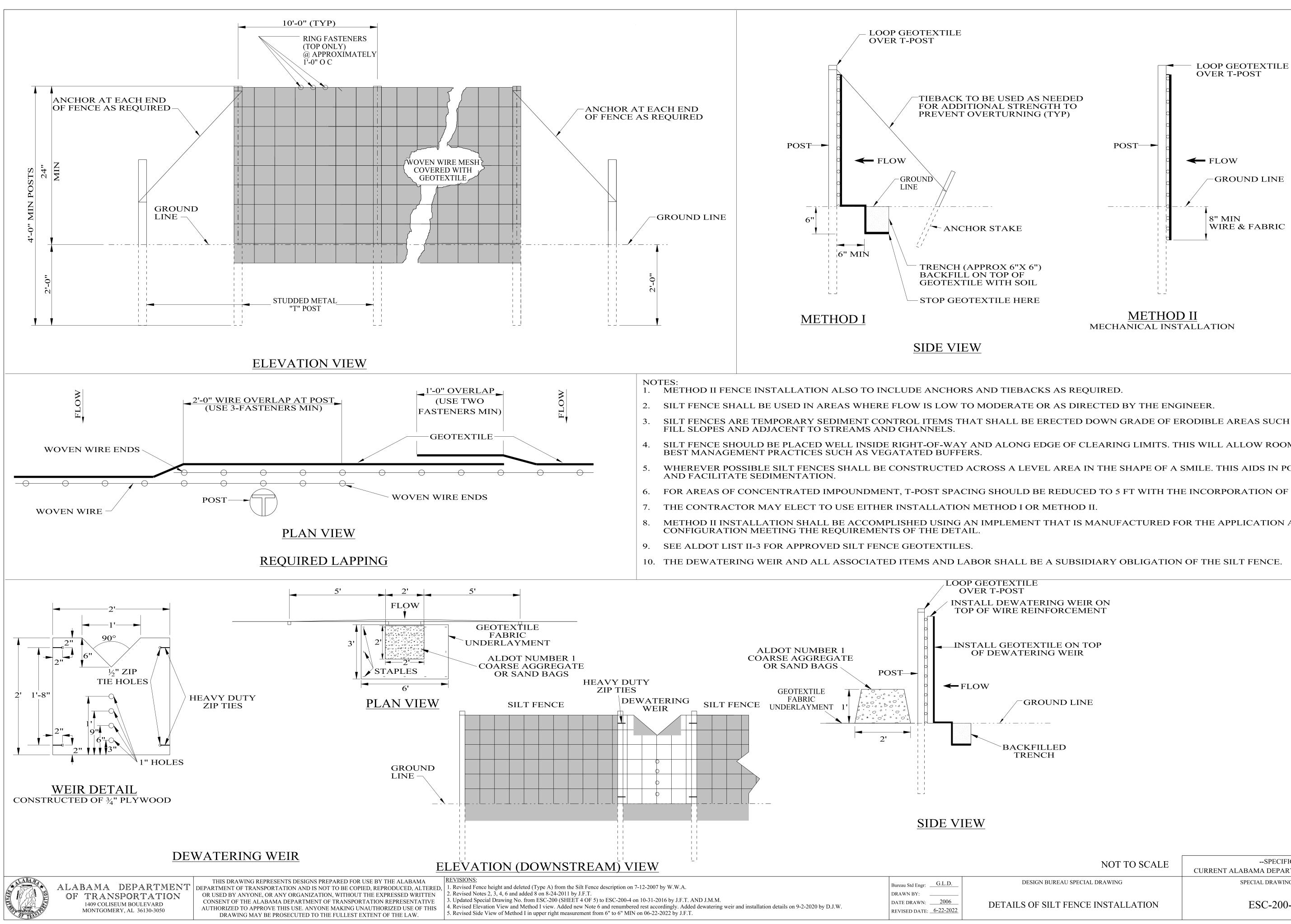


"SMILE-CONFIGURATION" SILT FENCE APPLICATION

Drawing No. from ESC-200 (SHEET 3 OF 5) to ESC-200-3 on 10-31-2016 by J.F.T. & J.M.M. "slope" in several callouts, removed "Type A" designation for silt fence, and added 6' distance to * note on 8-11-2020 by D.J.W. DATE DRAWN: 2006 DETAILS OF SEDIMENT BARRIER DATE DRAWN: 2006	NOTE: EL $(\widehat{\mathbb{A}})$ = EL $(\widehat{\mathbb{B}})$ TO MAXIMIZE STORAGE.				
Drawing No. from ESC-200 (SHEET 3 OF 5) to ESC-200-3 on 10-31-2016 by J.F.T. & J.M.M. "slope" in several callouts, removed "Type A" designation for silt fence, and added 6' distance to * note on 8-11-2020 by D.J.W. DATE DRAWN: 2006 DETAILS OF SEDIMENT BARRIER DATE DRAWN: 2006			NOT TO SCALE		NSPORTATION
Drawing No. from ESC-200 (SHEET 3 OF 5) to ESC-200-3 on 10-31-2016 by J.F.T. & J.M.M. 'slope'' in several callouts, removed "Type A" designation for silt fence, and added 6' distance to * note on 8-11-2020 by D.J.W. DATE DRAWN: 2006 DETAILS OF SEDIMENT BARRIER ESC-200-3 665	EVATION" to show Geotextile Filter and Underlayment. Edited and repositioned text on 9-24-2012 by J.F.T.	Bureau Std Engr:D.J.W	DESIGN BUREAU SPECIAL DRAWING	SPECIAL DRAWING NO	INDEX NO
REVISED DATE: <u>8-11-2020</u> ATTLICATIONS	Drawing No. from ESC-200 (SHEET 3 OF 5) to ESC-200-3 on 10-31-2016 by J.F.T. & J.M.M.		DETAILS OF SEDIMENT BARRIER APPLICATIONS	ESC-200-3	66507

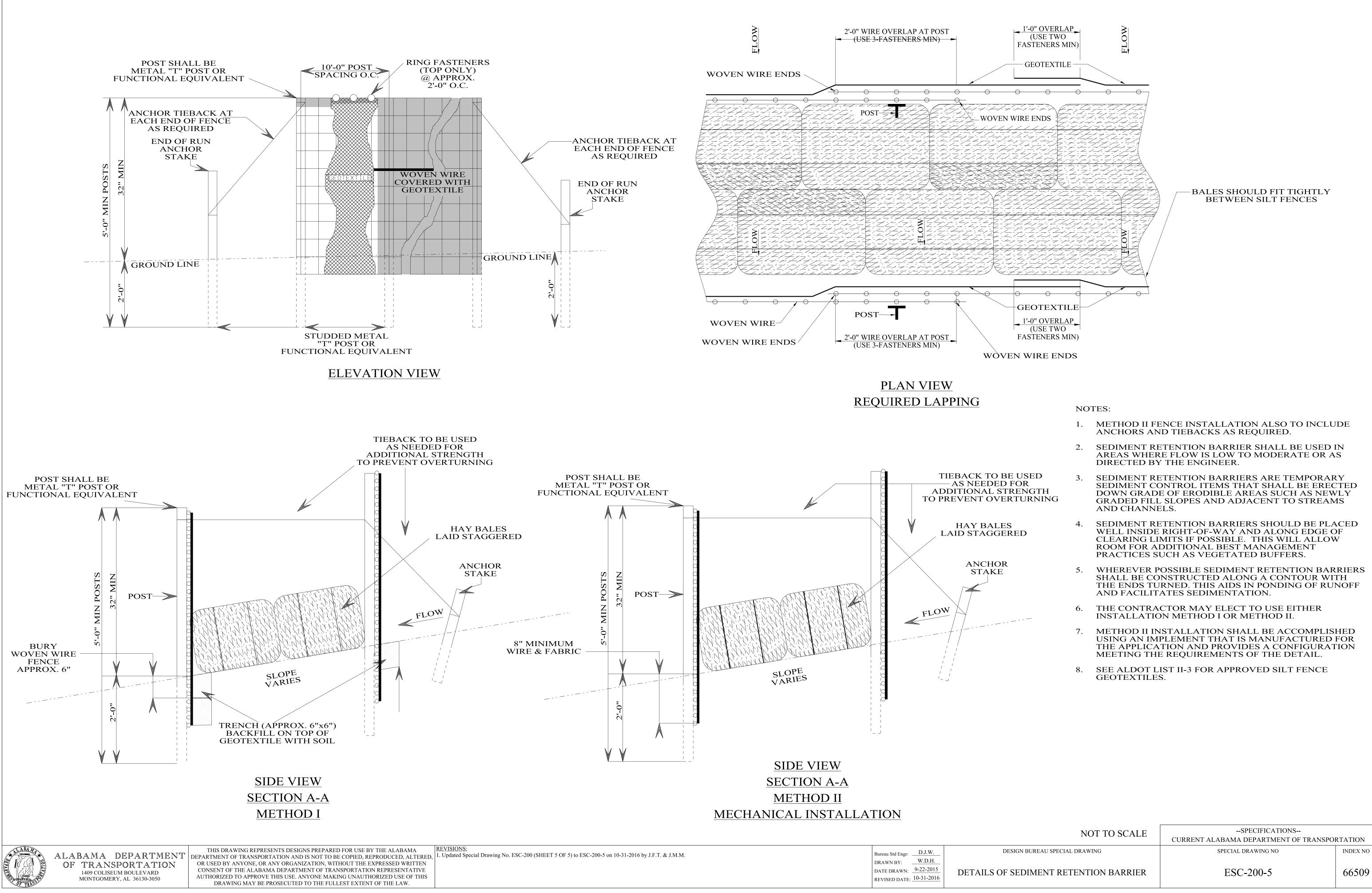
SILT FENCE SHOULD BE LOCATED AT LEAST 6' AWAY FROM THE TOE OF THE SLOPE TO PROVIDE SUFFICIENT SPACE TO ALLOW A BROAD, FLAT AREA FOR SEDIMENT ACCUMULATION AND MAINTENANCE ACTIVITIES. THE ENDS OF THE SILT FENCE SHOULD BE TURNED UP GRADIENT TO MAXIMIZE STORAGE.

SILT FENCE SECTION AT TOE OF SLOPE



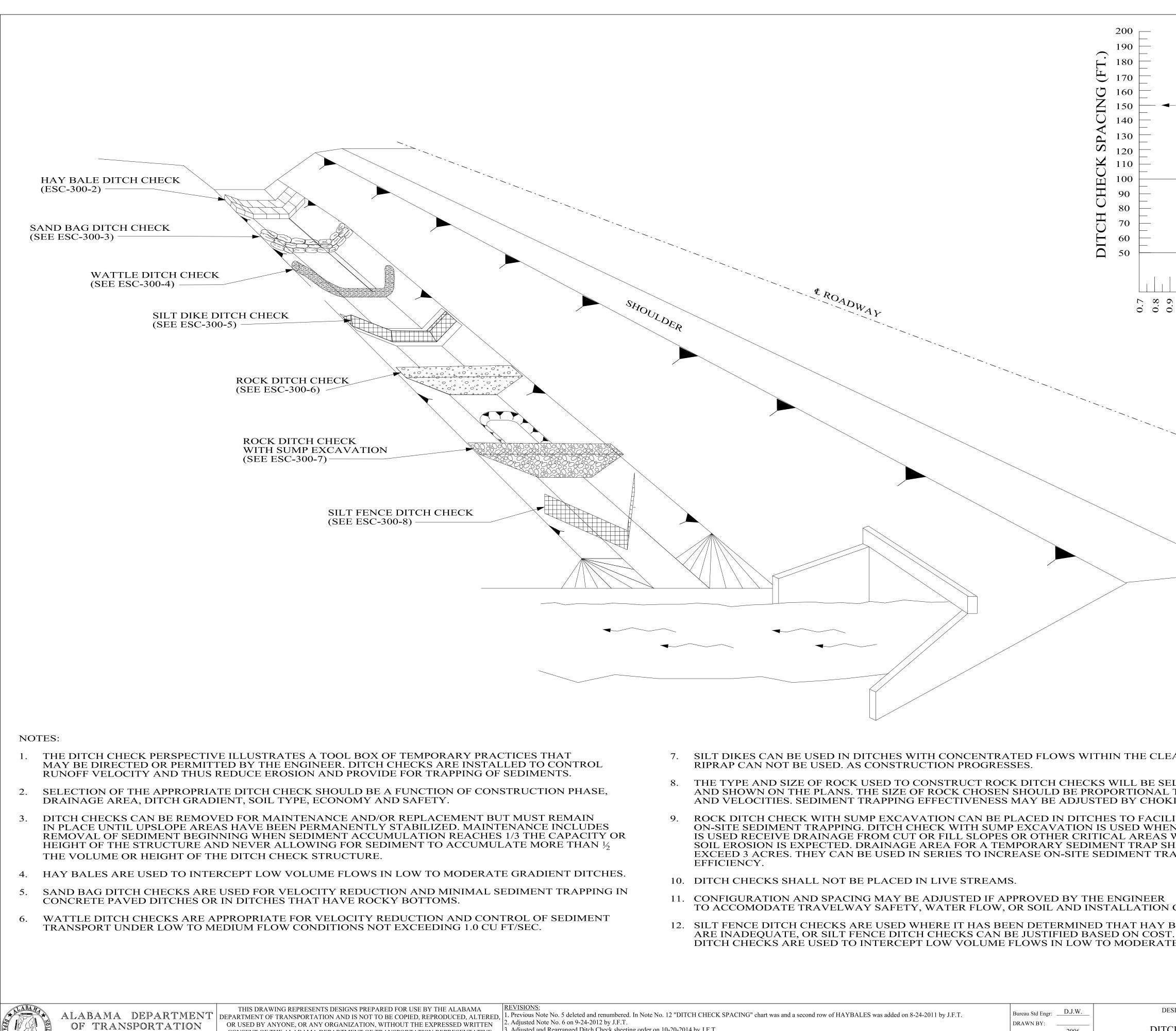
4 Revised Elevation View and Method Lyiew. Added new Note 6 and renumbered rest accordingly. Added dewatering weir and installation details on 9-2-2020 by D LW	DATE DRAWN:
---	-------------

	8" MIN WIRE & FABRIC	
6")		
RE		
<u>METHOE</u> MECHANICAL INST		
CKS AS REQUIRED.		
E OR AS DIRECTED BY THE ENG	INEER.	
E ERECTED DOWN GRADE OF EI	RODIBLE AREAS SUCH AS NEWL	Y GRADED
EDGE OF CLEARING LIMITS. TH	HIS WILL ALLOW ROOM FOR AD	DITIONAL
EVEL AREA IN THE SHAPE OF A	SMILE. THIS AIDS IN PONDING O	F RUNOFF
	E INCORPORATION OF A DEWAT	ERING WEII
DR METHOD II. NT THAT IS MANUFACTURED FO	OR THE APPLICATION AND PROV	VIDES A
BE A SUBSIDIARY OBLIGATION	OF THE SILT FENCE.	
LE		
FERING WEIR ON EINFORCEMENT		
EXTILE ON TOP		
CRING WEIR		
ROUND LINE		
EFILLED ENCH		
NOT TO SCALE	SPECIFICATIONS CURRENT ALABAMA DEPARTMENT OF TR	ANSPORTATION
SIGN BUREAU SPECIAL DRAWING	SPECIAL DRAWING NO	INDEX NO
OF SILT FENCE INSTALLATION	ESC-200-4	66508
	1	I



D.	1. Updated Special Drawing No. ESC-200 (SHEET 5 OF 5) to ESC-200-5 on 10-31-2016 by J.F.T. & J.M.M.	Bureau Std Engr: _		
л,		DRAWN BY:	W.D.H.	
		DATE DRAWN:	9-22-2015	
		l	10.01.001.0	

- WHEREVER POSSIBLE SEDIMENT RETENTION BARRIERS



1409 COLISEUM BOULEVARD MONTGOMERY, AL 36130-3050

CONSENT OF THE ALABAMA DEPARTMENT OF TRANSPORTATION REPRESENTATIVE AUTHORIZED TO APPROVE THIS USE. ANYONE MAKING UNAUTHORIZED USE OF THIS DRAWING MAY BE PROSECUTED TO THE FULLEST EXTENT OF THE LAW.

3. Adjusted and Rearr 4. Updated ESC-300-

				200	<u></u>	S-1.0%	
			r r	$\begin{array}{c c} 190 \\ \hline \\ 180 \end{array}$			
				$\begin{array}{c c} 160 \\ \hline \\ 150 \\ \hline \end{array} $			5-2.0%
							5 2.070
			Q	$\begin{bmatrix} 130 \\ 120 \end{bmatrix}$	T ▲		
			, TEO T	100 90 -			S-3.0% TO 5%
							S-6.0% OR
				50			GREATER
SHO	PULDER	& ROADWAY		$\begin{array}{c} 0.7 \\ 0.8 \\ 0.9 \\ 1.1 \\ 1.2 \\ 1.3 \\ 1.3 \end{array}$	1.4 1.5 1.6 1.7 1.8 1.9	2.1 2.1 2.2 2.5 2.5 2.5 2.3 2.3 3.0	
	^{SLD} ER			DIT	CCH CHECK H	EIGHT (FT.)	
				EXAMPLE: GRADE 1%	HEIGHT OF STRU	CTURE 1.5'	
				EXTEND V EXTEND 90	ERTICALLY FROM D° TO THE LEFT TO	1 1.5' HEIGHT TO INTERSECT D DETERMINE SPACING (150'	S = 1.0% GRADE +)
					DITCH	CHECK SPACING	
						· _	
АТ	7. SILT DIKES CA	N BE USED IN DITCHES WITH CONCEN	JTRATED FLOWS WIT	HIN THE CLEAR ZONE WH	ERE		
ONTROL ΓS.		OT BE USED. AS CONSTRUCTION PROC SIZE OF ROCK USED TO CONSTRUCT		S WILL BE SELECTED BY T	HE DESIGNER		
N PHASE,	AND SHOWN O	N THE PLANS. THE SIZE OF ROCK CHO ES. SEDIMENT TRAPPING EFFECTIVEN	DSEN SHOULD BE PRO	PORTIONAL TO EXPECTEI			
EMAIN NCLUDES		HECK WITH SUMP EXCAVATION CAN IENT TRAPPING. DITCH CHECK WITH S					
APACITY OR E THAN ½	IS USED RECEI SOIL EROSION	VE DRAINAGE FROM CUT OR FILL SLO IS EXPECTED. DRAINAGE AREA FOR A	OPES OR OTHER CRITI A TEMPORARY SEDIM	CAL AREAS WHERE ENT TRAP SHALL NOT			
NT DITCHES.	EXCLED 5 ACK EFFICIENCY.	ES. THEY CAN BE USED IN SERIES TO	INCREASE ON-SITE SI	EDIMENT TRAPPING			
TRAPPING IN		S SHALL NOT BE PLACED IN LIVE STRI ON AND SPACING MAY BE ADJUSTED		ENGINEER			
EDIMENT	TO ACCOMODA	ATE TRAVELWAY SAFETY, WATER FL	OW, OR SOIL AND INS	TALLATION CHALLENGES			
	ARE INADEQUA	TCH CHECKS ARE USED WHERE IT HA ATE, OR SILT FENCE DITCH CHECKS C S ARE USED TO INTERCEPT LOW VOLU	AN BE JUSTIFIED BAS	ED ON COST. SILT FENCE			
					NOT TO SCALE	SPECIFICATION	
b. 5 deleted and renumbered. In No	ote No. 12 "DITCH CHECK SPACING" chart wa	as and a second row of HAYBALES was added on 8-24-2011 by J.F.T.	Bureau Std Engr:	DESIGN BUREAU SPECIAL		CURRENT ALABAMA DEPARTMENT SPECIAL DRAWING NO	OF TRANSPORTATION INDEX NO
b. 6 on 9-24-2012 by J.F.T. Irranged Ditch Check sheeting ord			DRAWN BY: DATE DRAWN:2006	DITCH CHECK STRU		ESC-300-1	66512
	HEET 1 OF 8) to ESC-500-1 on 10-51-2016 by J.F.1. & J.M.M.		REVISED DATE: <u>10-31-2016</u>	TYPICAL APPLICATIONS	AND DETAILS		

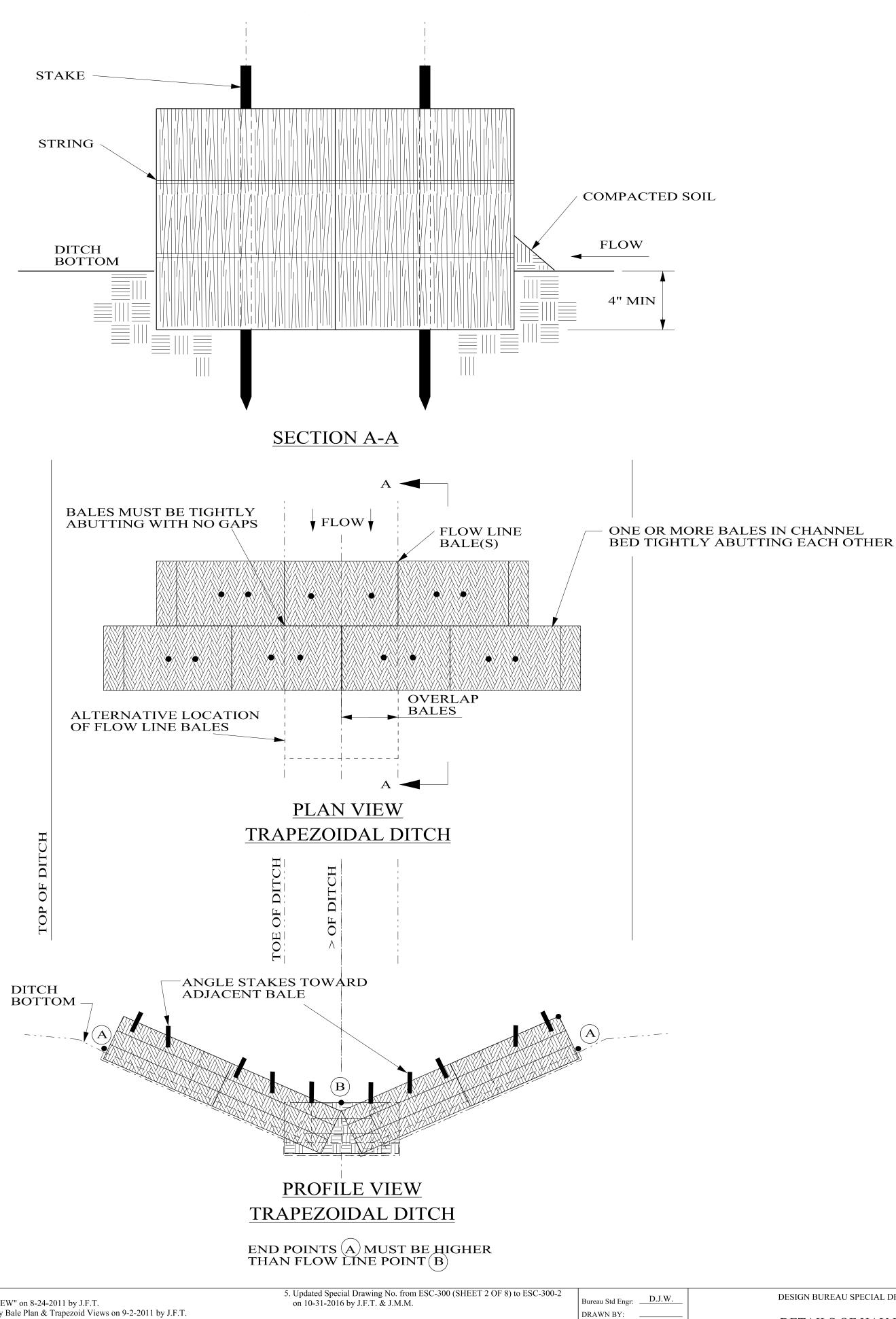
NOTES:

- 1. MINIMUM RECOMMENDED CHECK SPACING IS 100 FEET UNLESS SHOWN OTHERWISE ON THE PLANS OR APPROVED BY THE ENGINEER. SEE SPACING GUIDANCE ON ESC-300-1.
- 2. ANCHORING STAKES SHALL BE SIZED, SPACED, AND BE OF A MATERIAL THAT EFFECTIVELY SECURES THE CHECK. A MINIMUM OF TWO STAKES PER BALE IS REQUIRED. ALL NON-DEGRADABLE MATERIALS SHALL BE REMOVED WHEN NO LONGER NEEDED.
- 3. BALES SHALL BE EMBEDDED IN THE SOIL A MIN OF 4 INCHES.
- BALES SHALL BE PLACED IN A ROW WITH ENDS TIGHTLY ABUTTING THE ADJACENT 4. BALES. THE BALES SHALL BE PLACED WITH BINDINGS PARALLEL TO THE GROUND.
- 5. SOIL IS COMPACTED ALONG THE BASE OF THE UPSTREAM FACE TO PREVENT PIPING.
- 6. MULTIPLE ADJACENT ROWS OF BALES ARE REQUIRED AS SHOWN.

HAY BALE DITCH CHECK SELECTION GUIDELINES

HAY BALES ARE USED TO INTERCEPT LOW VOLUME FLOWS IN LOW TO MODERATE GRADIENT DITCHES.





DATE DRAWN: _____2006

REVISED DATE: 10-31-2016

NOT TO SCALE

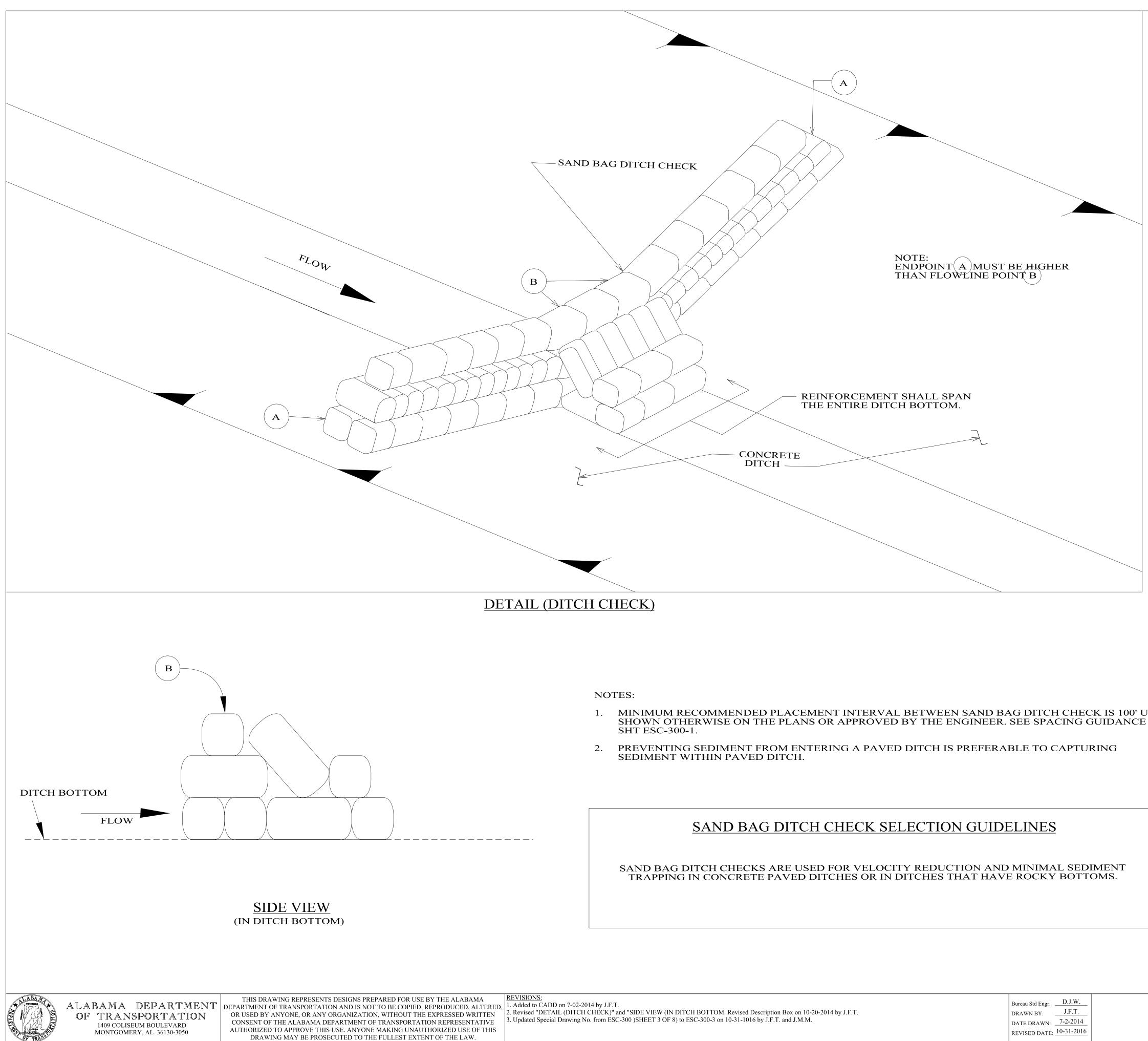
--SPECIFICATIONS--CURRENT ALABAMA DEPARTMENT OF TRANSPORTATION

DESIGN BUREAU SPECIAL DRAWING

DETAILS OF HAY BALE DITCH CHECKS

ESC-300-2

SPECIAL DRAWING NO



- 1. MINIMUM RECOMMENDED PLACEMENT INTERVAL BETWEEN SAND BAG DITCH CHECK IS 100' UNLESS SHOWN OTHERWISE ON THE PLANS OR APPROVED BY THE ENGINEER. SEE SPACING GUIDANCE ON

n 7-02-2014 by J.F.T.	Bureau Std Engr:D.J.W	DESIGN BUREAU SPECIAL DRAWIN
(DITCH CHECK)" and "SIDE VIEW (IN DITCH BOTTOM. Revised Description Box on 10-20-2014 by J.F.T. rawing No. from ESC-300)SHEET 3 OF 8) to ESC-300-3 on 10-31-1016 by J.F.T. and J.M.M.	DRAWN BY: J.F.T. DATE DRAWN: 7-2-2014	DETAILS OF SANDBAG
	REVISED DATE: 10-31-2016	DITCH CHECK

NOT TO SCALE

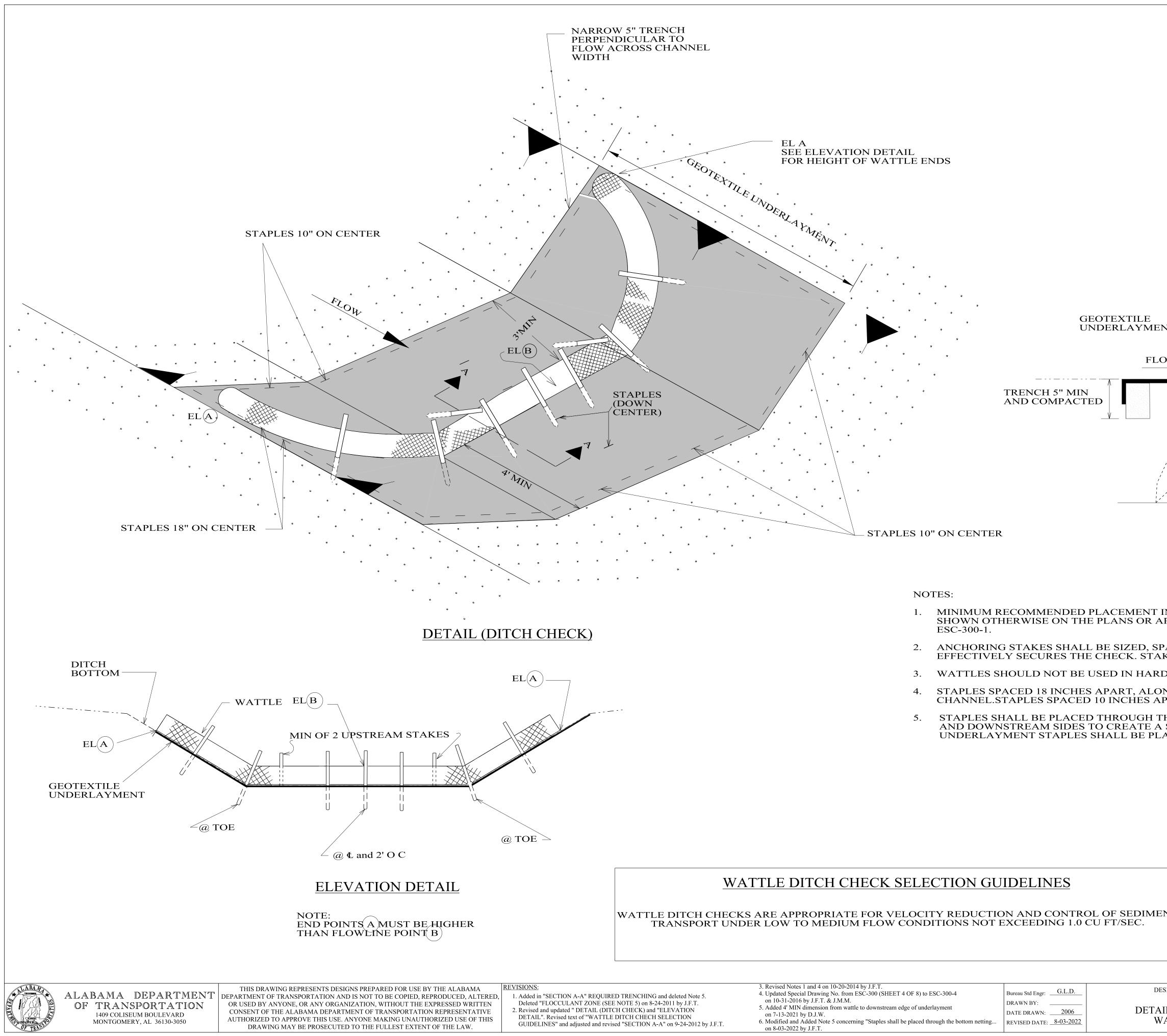
--SPECIFICATIONS--

NG

ESC-300-3

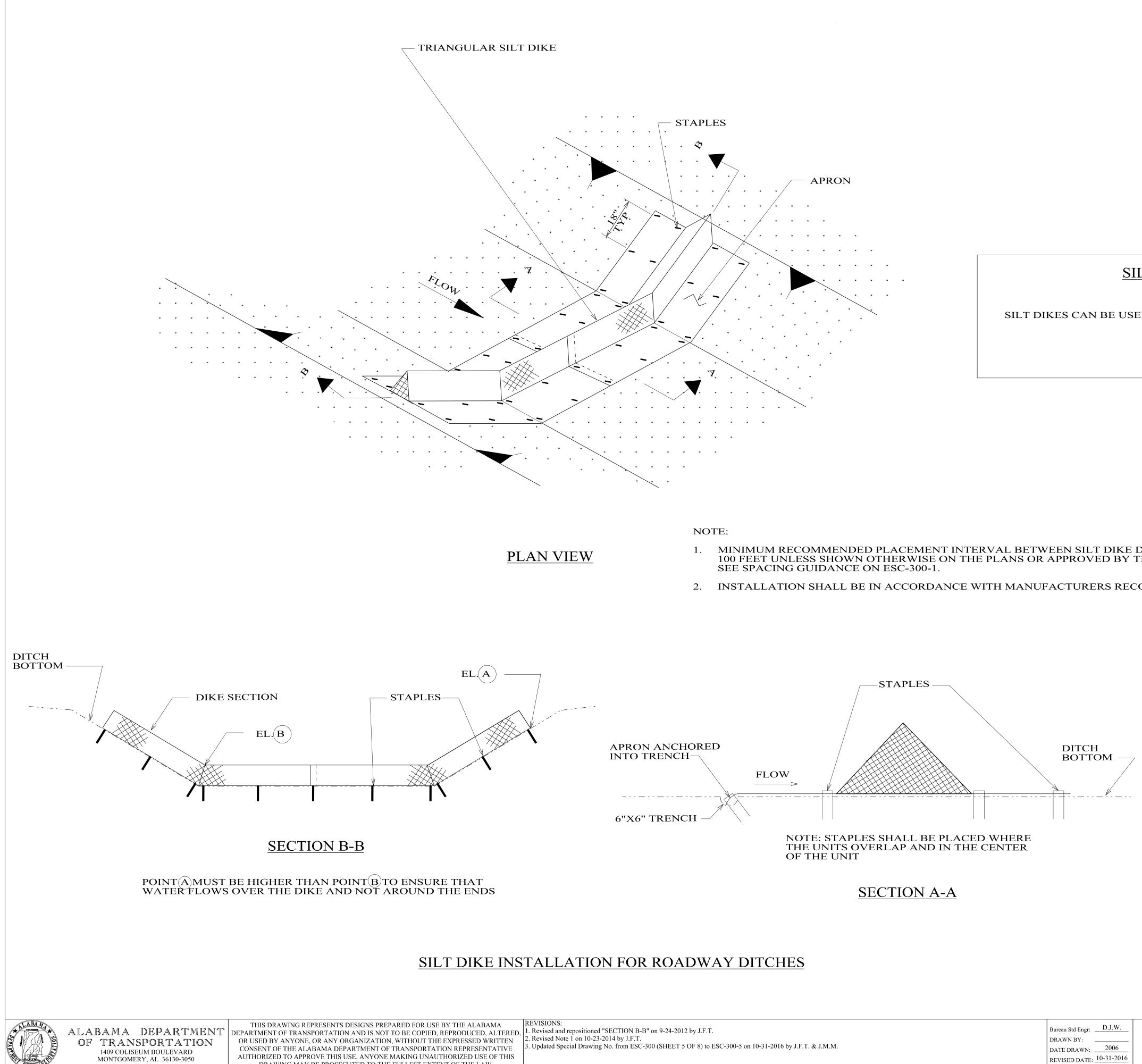
CURRENT ALABAMA DEPARTMENT OF TRANSPORTATION SPECIAL DRAWING NO INDEX NO

66514



 NARROW 5" TRENCH PERPENDICULAR TO FLOW ACROSS CHANNEL WIDTH 						
*						
* *						
The second secon	EL A SEE ELEVATION DETAIL FOR HEIGHT OF WATTLE ENDS			20" WATTLE -	STAKE	
STAPLES (DOWN CENTER)					ANGLE ANCHORS T WATTLE THROUGH CHANNEL BOTTOM	OWARD FABRIC
	* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * <th></th> <th></th> <th><u>SECTI</u></th> <th>ON A-A</th> <th></th>			<u>SECTI</u>	ON A-A	

т т т ЕСК)	SHOWN OTI ESC-300-1. 2. ANCHORING EFFECTIVE 3. WATTLES S 4. STAPLES SP	HERWISE ON THE G STAKES SHALI LY SECURES THE HOULD NOT BE U ACED 18 INCHES	E PLANS OR APPROVED BY T L BE SIZED, SPACED, DRIVEN C CHECK. STAKE SPACING SH USED IN HARD BOTTOM CHA APART, ALONG THE CHANN	HE ENGINEER. SH I, AND BE OF A M IALL BE A MAXIN ANNELS. IEL EDGES AND I	ATERIAL THAT AUM OF TWO FEET. DOWN THE CENTER OF THE	
	5. STAPLES SI AND DOWN	HALL BE PLACEI	10 INCHES APART, ACROSS O THROUGH THE BOTTOM NE FO CREATE A SOLID INTERFA SHALL BE PLACED 6" ON CE	ETTING OF THE W ACE BETWEEN TI		
WATTLE DITCH CHECK	ATTLE DITCH CHECK SELECTION GU	ON AND CONTRC	OL OF SEDIMENT CU FT/SEC.			
				۲ ۵	SPECIFICATIONS	
TON A-A" REQUIRED TRENCHING and deleted Note 5. CULANT ZONE (SEE NOTE 5) on 8-24-2011 by J.F.T. ated " DETAIL (DITCH CHECK) and "ELEVATION sed text of "WATTLE DITCH CHECH SELECTION and adjusted and revised "SECTION A-A" on 9-24-2012 by J.F.T.	 Revised Notes 1 and 4 on 10-20-2014 by J.F.T. Updated Special Drawing No. from ESC-300 (SHEET 4 OF 8) to ESC-300-4 on 10-31-2016 by J.F.T. & J.M.M. Added 4' MIN dimension from wattle to downstream edge of underlayment on 7-13-2021 by D.J.W. Modified and Added Note 5 concerning "Staples shall be placed through the bottom netting on 8-03-2022 by J.F.T. 	Bureau Std Engr:G.L.D.DRAWN BY:DATE DRAWN:2006REVISED DATE:8-03-2022	DESIGN BUREAU SPECIAL DR DETAILS OF EROSION O WATTLE DITCH CH	CONTROL	CURRENT ALABAMA DEPARTMENT OF TRANSPO SPECIAL DRAWING NO ESC-300-4	ORTATION INDEX NO 66515



DRAWING MAY BE PROSECUTED TO THE FULLEST EXTENT OF THE LAW.



- MINIMUM RECOMMENDED PLACEMENT INTERVAL BETWEEN SILT DIKE DITCH CHECK IS 100 FEET UNLESS SHOWN OTHERWISE ON THE PLANS OR APPROVED BY THE ENGINEER.
- 2. INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.

positioned "SECTION B-B" on 9-24-2012 by J.F.T.	Bureau Std Engr:D.J.W	DESIGN BUREAU
on 10-23-2014 by J.F.T. al Drawing No. from ESC-300 (SHEET 5 OF 8) to ESC-300-5 on 10-31-2016 by J.F.T. & J.M.M.	DRAWN BY:	DETA SILT DIKE D

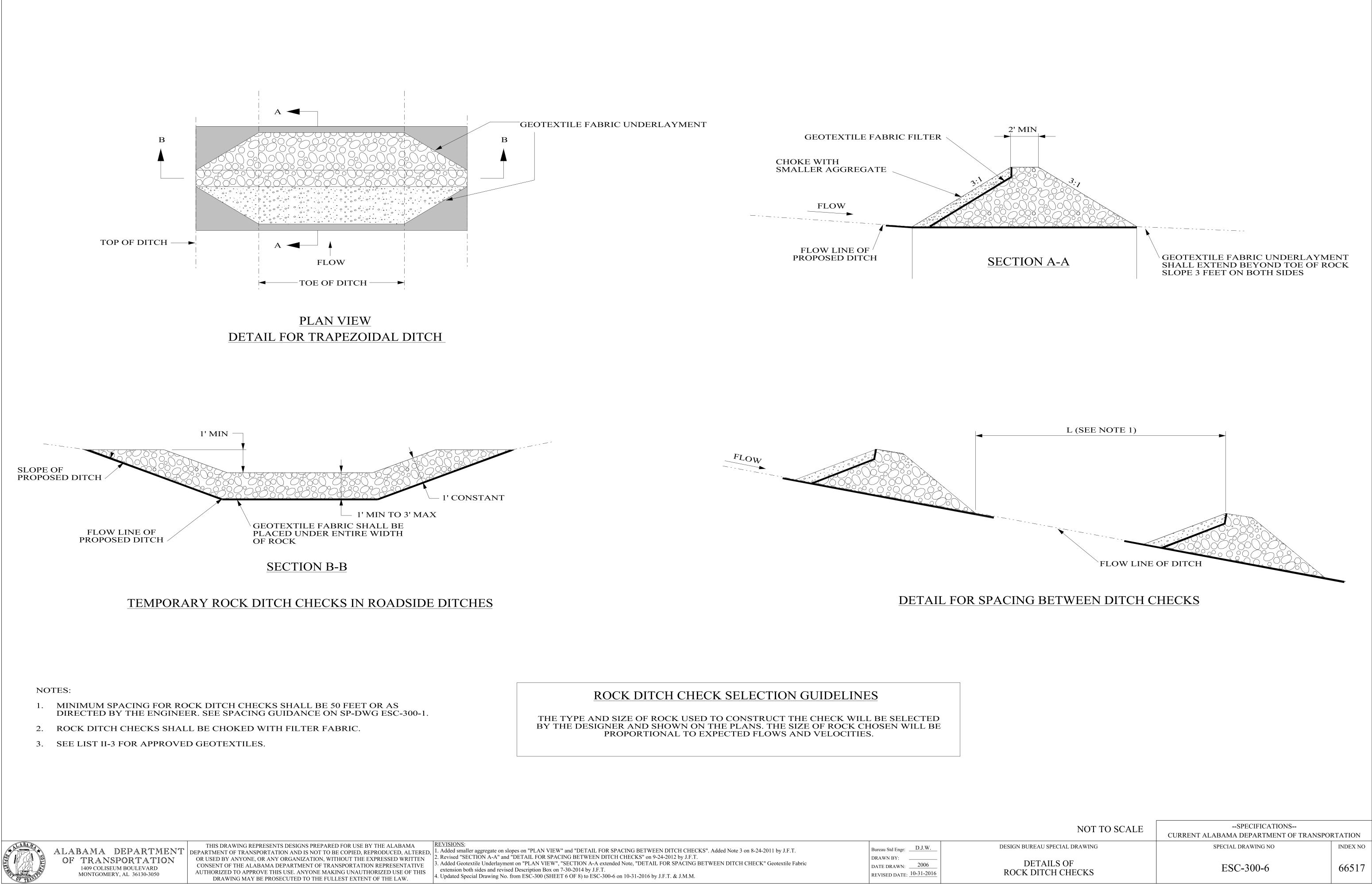
SILT DIKE DITCH CHECK SELECTION GUIDELINES

SILT DIKES CAN BE USED IN DITCHES WITH CONCENTRATED FLOWS WITHIN THE CLEAR ZONE WHERE RIPRAP CAN NOT BE USED.

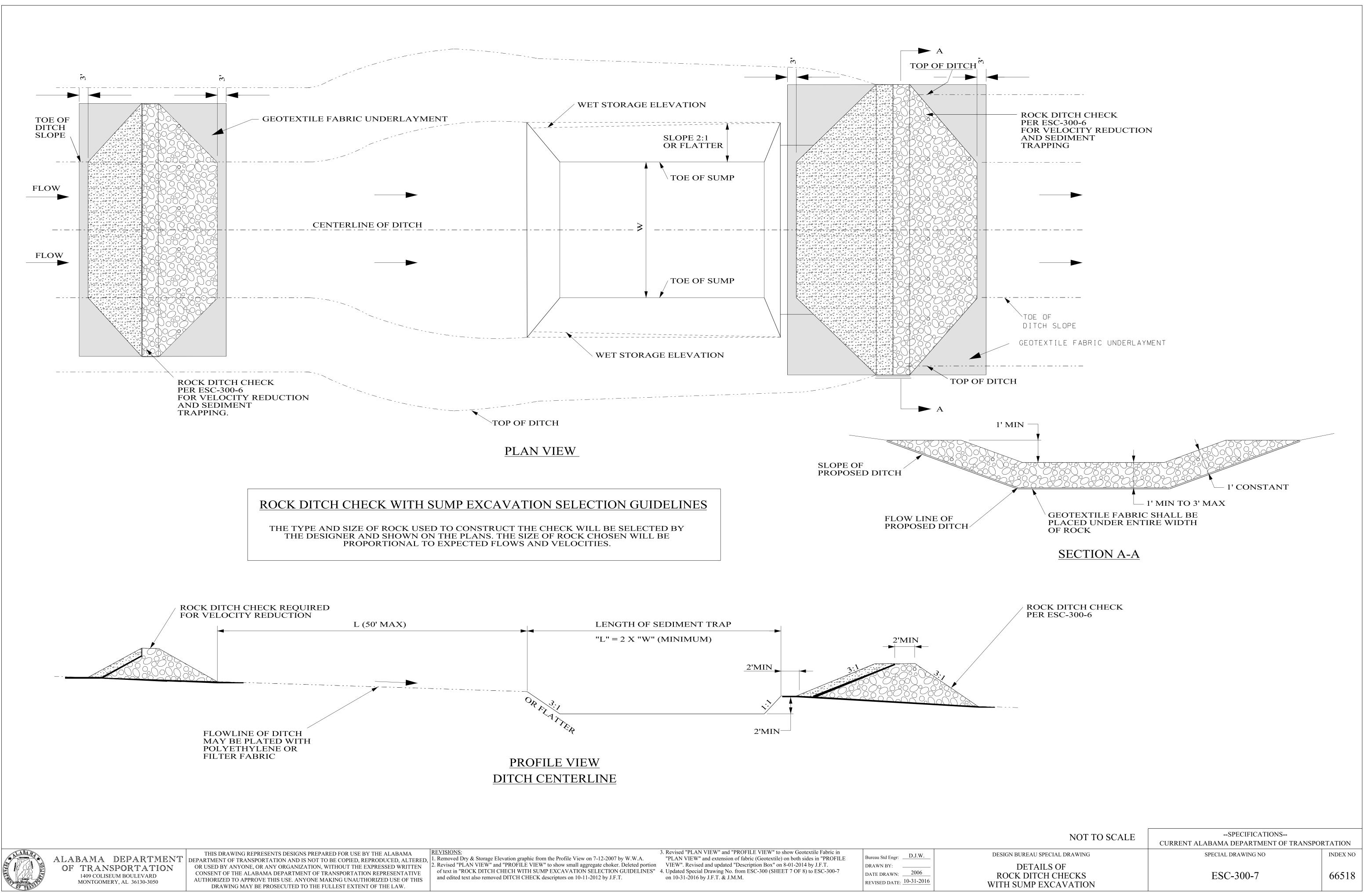
NOT TO SCALE	SPECIFICATIONS CURRENT ALABAMA DEPARTMENT OF TRANSPORTATION			
EAU SPECIAL DRAWING	SPECIAL DRAWING NO	INDEX NO		

DETAILS OF LT DIKE DITCH CHECKS

ESC-300-5

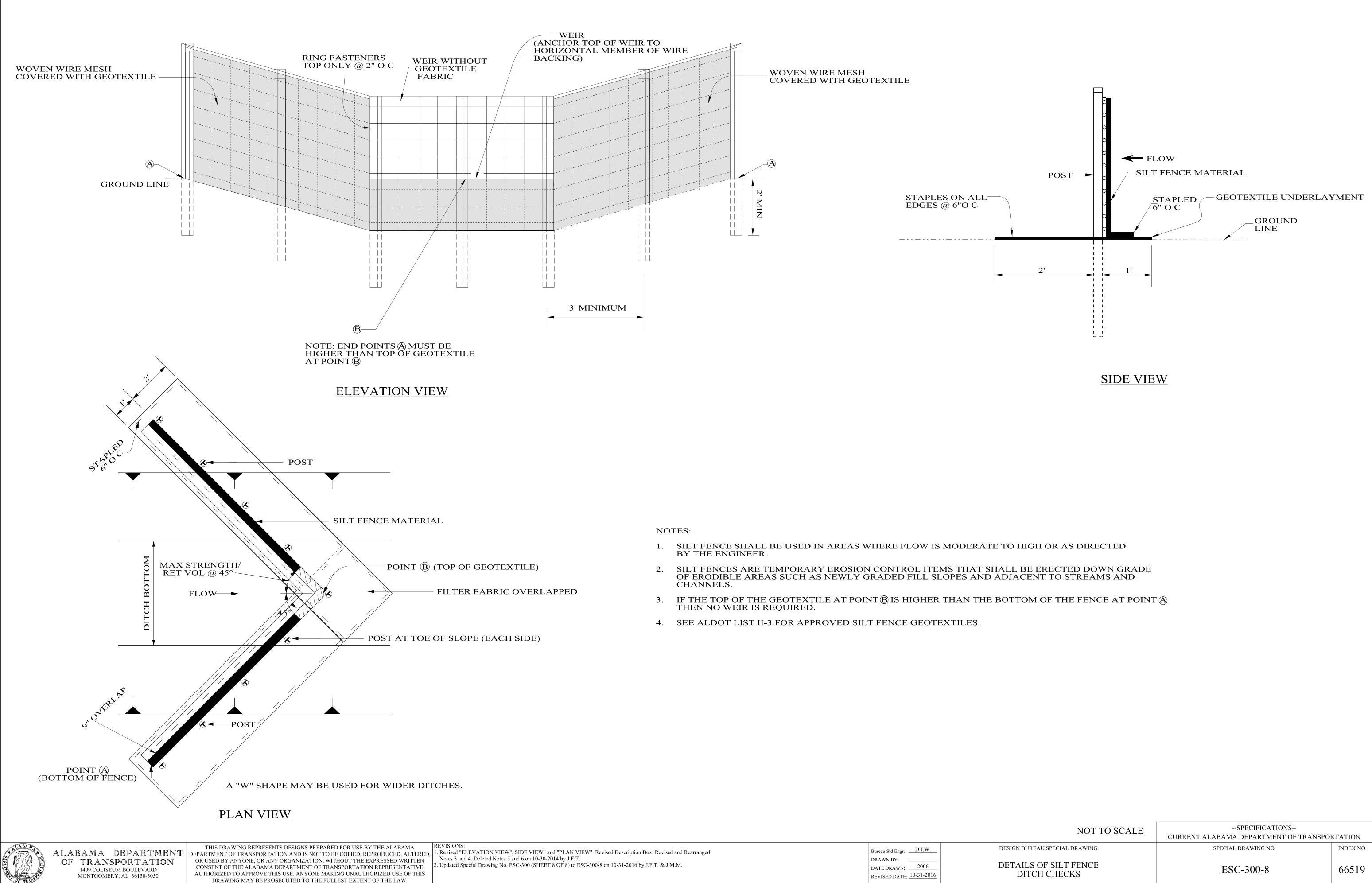


gregate on slopes on "PLAN VIEW" and "DETAIL FOR SPACING BETWEEN DITCH CHECKS". Added Note 3 on 8-24-2011 by J.F.T.	Bureau Std Engr:D.J.W	DES
	DRAWN BY:	
Underlayment on "PLAN VIEW", "SECTION A-A extended Note, "DETAIL FOR SPACING BETWEEN DITCH CHECK" Geotextile Fabric	DATE DRAWN: 2006	
les and revised Description Box on 7-30-2014 by J.F.T.	REVISED DATE: <u>10-31-2016</u>	R
Drawing No. from ESC-300 (SHEET 6 OF 8) to ESC-300-6 on 10-31-2016 by J.F.T. & J.M.M.	REVISED DATE: <u>10-31-2010</u>	
		(

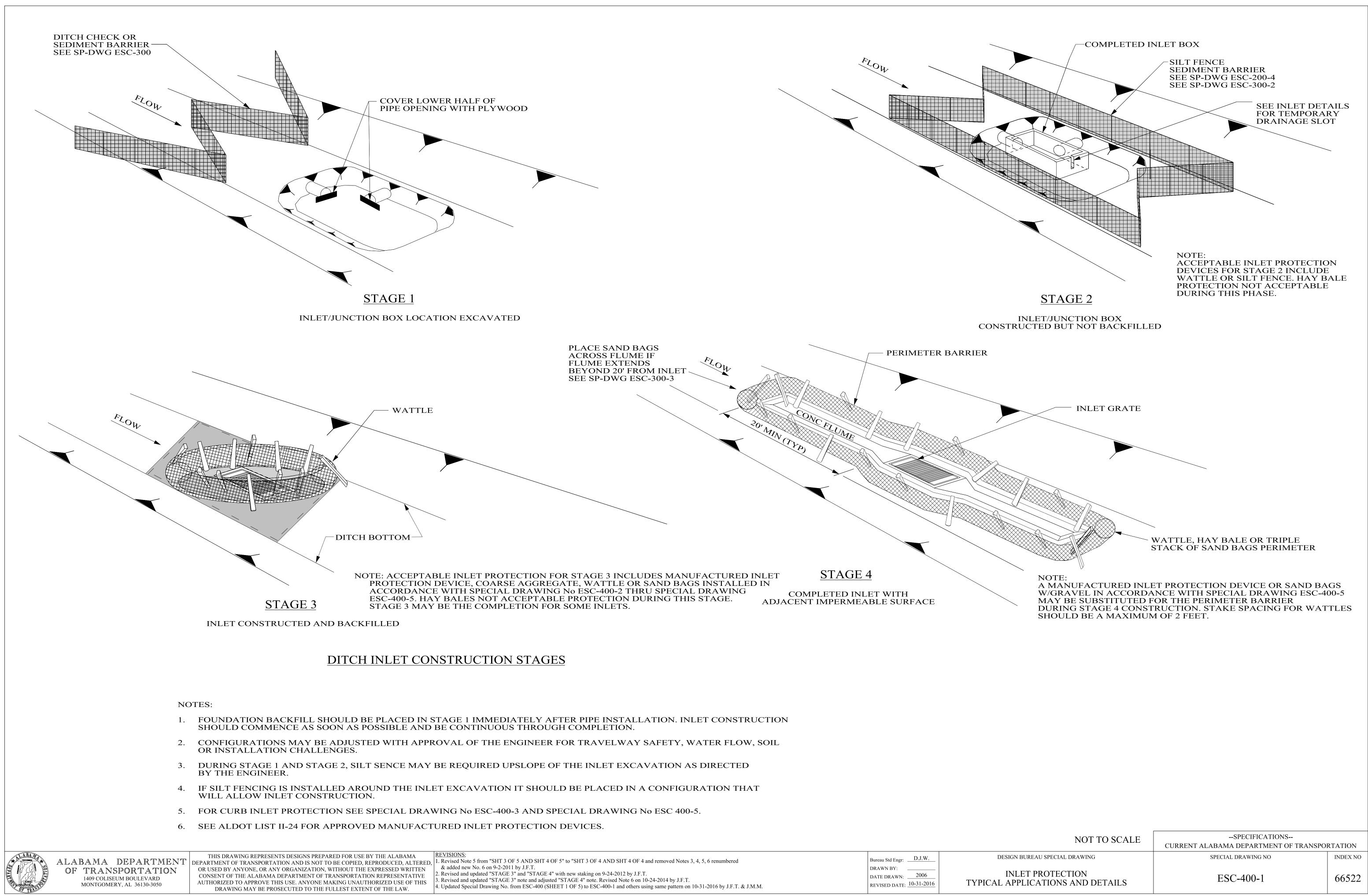


torage Elevation graphic from the Profile View on 7-12-2007 by W.W.A.
IEW" and "PROFILE VIEW" to show small aggregate choker. Deleted portio
DITCH CHECH WITH SUMP EXCAVATION SELECTION GUIDELINES
o removed DITCH CHECK descriptors on 10-11-2012 by J.F.T.

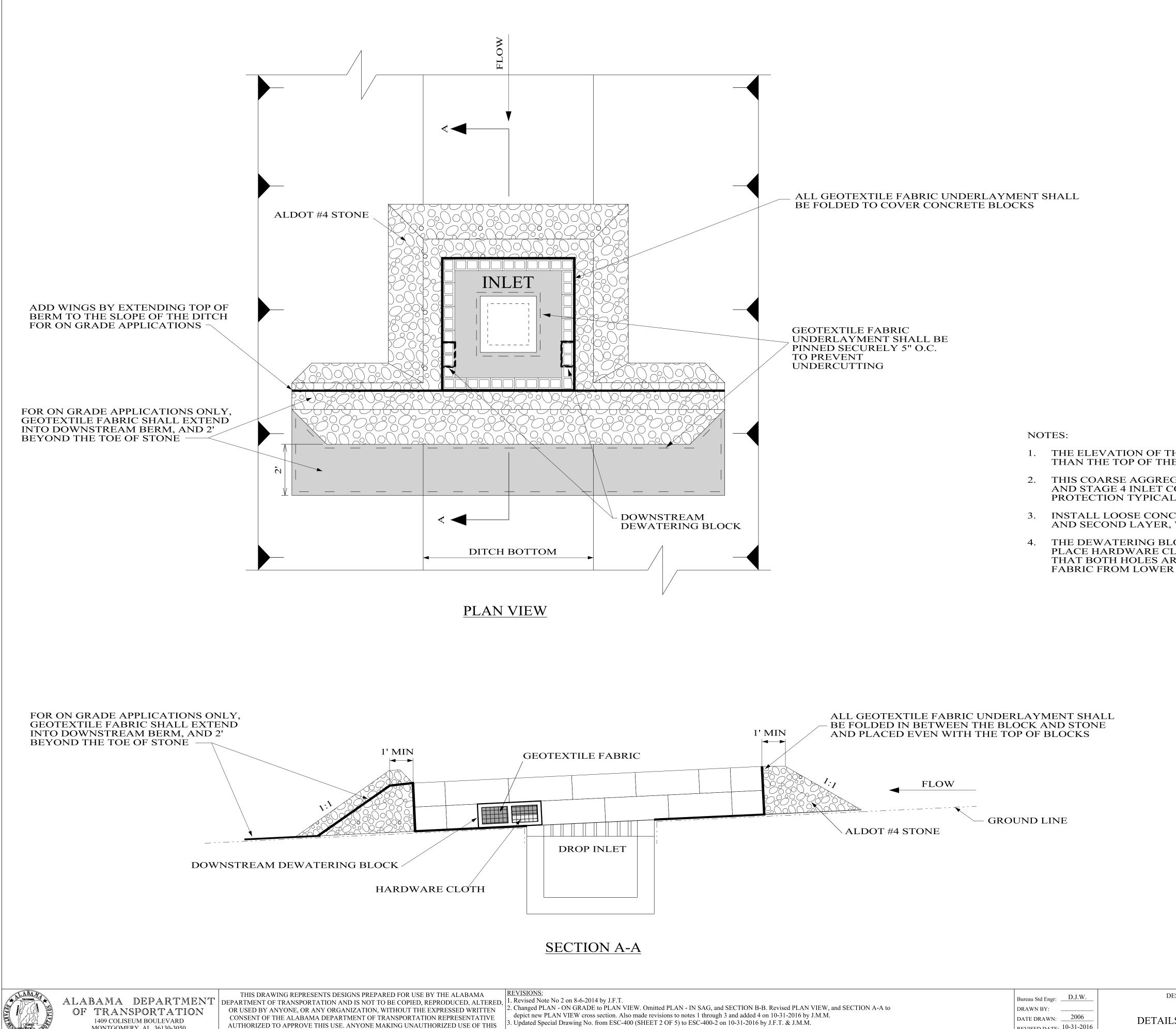
Bureau Std Engr:D.J.W	DESIG
DRAWN BY:	
DATE DRAWN:2006	RC
REVISED DATE: <u>10-31-2016</u>	WITH



NOT	TO	SCA	LE



om "SHT 3 OF 5 AND SHT 4 OF 5" to "SHT 3 OF 4 AND SHT 4 OF 4 and removed Notes 3, 4, 5, 6 renumbered	Bureau Std Engr:D.J.W	DESI
ed "STAGE 3" and "STAGE 4" with new staking on 9-24-2012 by J.F.T. ed "STAGE 3" note and adjusted "STAGE 4" note. Revised Note 6 on 10-24-2014 by J.F.T.	DRAWN BY: DATE DRAWN: REVISED DATE: 10-31-2016	II TYPICAL A



MONTGOMERY, AL 36130-3050

DRAWING MAY BE PROSECUTED TO THE FULLEST EXTENT OF THE LAW.

2 on 8-6-2014 by J.F.T.	Bureau Std Engr:D.J.W	DES
Drawing No. from ESC-400 (SHEET 2 OF 5) to ESC-400-2 on 10-31-2016 by LET & LM M	DRAWN BY: DATE DRAWN: REVISED DATE: 10-31-2016	DETAILS

1. THE ELEVATION OF THE TOP OF THE REQUIRED STONE BERM SHALL BE LOWER THAN THE TOP OF THE DITCH.

2. THIS COARSE AGGREGATE INLET PROTECTION MAY ONLY BE UTILIZED DURING STAGE 3 AND STAGE 4 INLET CONSTRUCTION. SEE SPECIAL DRAWING No ESC-400-1 FOR INLET PROTECTION TYPICAL APPLICATIONS AND DETAILS.

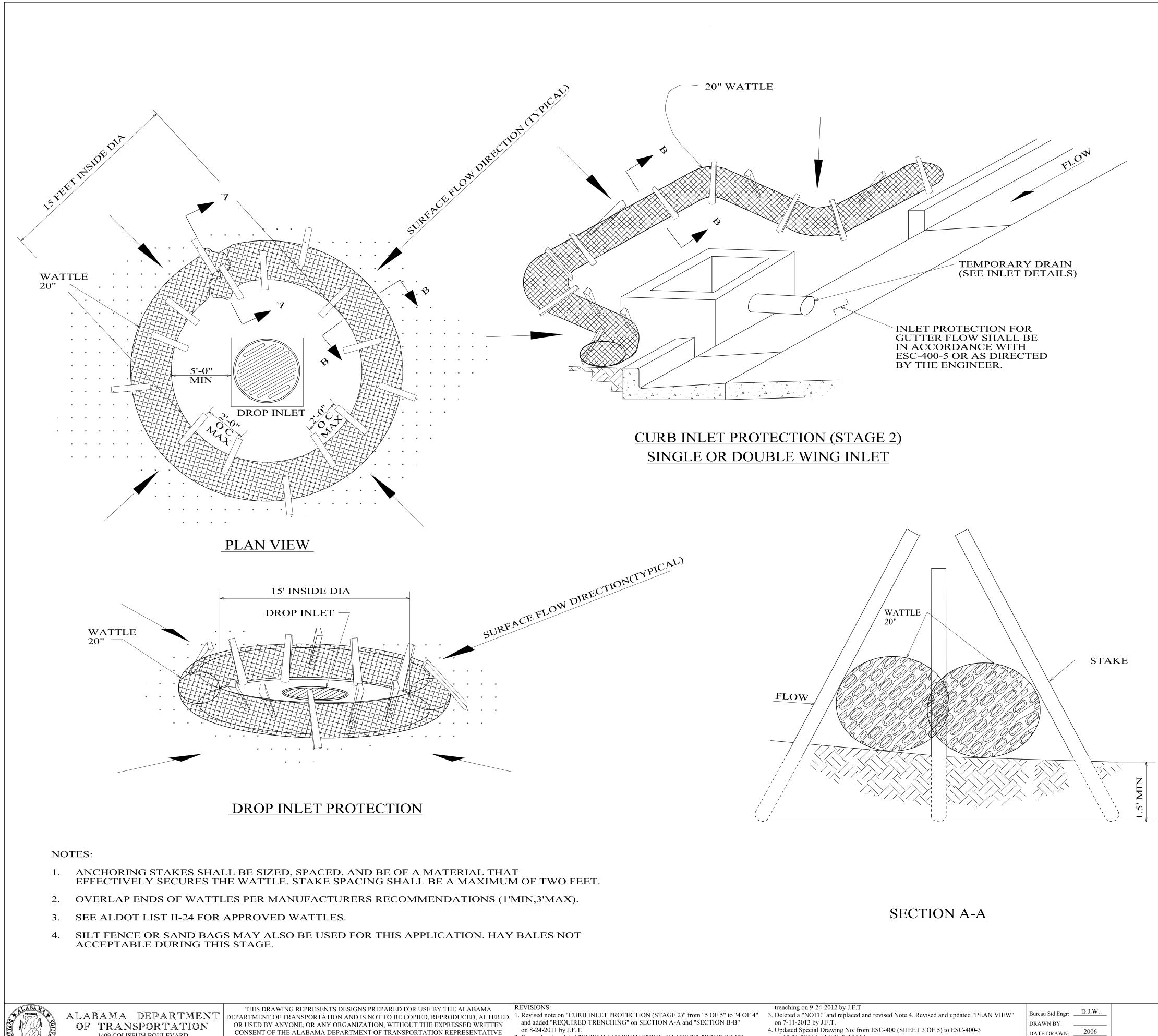
3. INSTALL LOOSE CONCRETE BLOCKS UPRIGHT IN A STAGGERED CONFIGURATION FOR FIRST AND SECOND LAYER, WITH THE EXCEPTION OF THE DEWATERING BLOCK.

4. THE DEWATERING BLOCKS SHALL BE CONSTRUCTED BY OVERTURNING CONCRETE BLOCK. PLACE HARDWARE CLOTH BETWEEN GEOTEXTILE AND THE OVERTURNED BLOCK SO THAT BOTH HOLES ARE COVERED. REMOVE 3" RECTANGULAR SECTION OF GETEXTILE FABRIC FROM LOWER RIGHT PORTION TO ALLOW DEWATERING WIHTIN 48 HOURS.

NOT TO SCALE

ESC-400-2

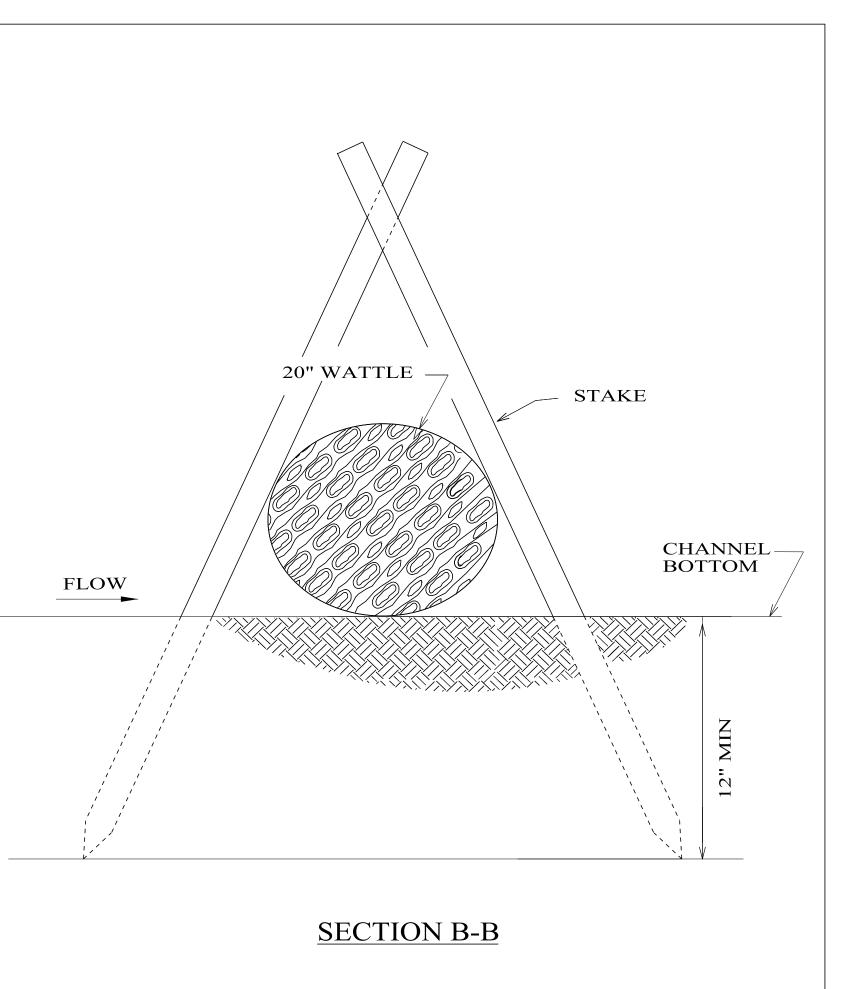
SPECIAL DRAWING NO



1409 COLISEUM BOULEVARD MONTGOMERY, AL 36130-3050

AUTHORIZED TO APPROVE THIS USE. ANYONE MAKING UNAUTHORIZED USE OF THIS

DRAWING MAY BE PROSECUTED TO THE FULLEST EXTENT OF THE LAW.

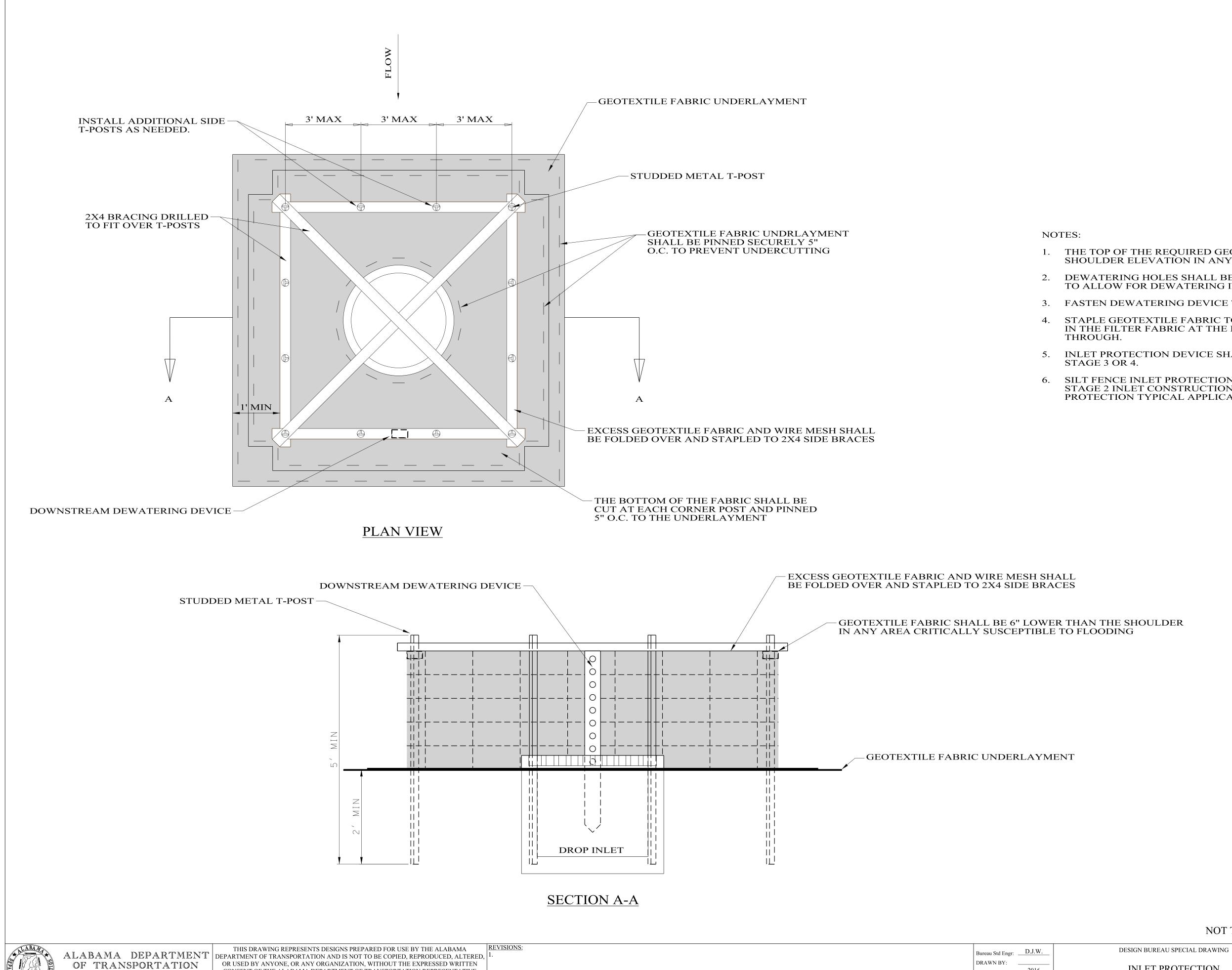


NOT TO SC	ALE
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--SPECIFICATIONS--CURRENT ALABAMA DEPARTMENT OF TRANSPORTATION

ESC-400-3

SPECIAL DRAWING NO



1409 COLISEUM BOULEVARD

MONTGOMERY, AL 36130-3050

OR USED BY ANYONE, OR ANY ORGANIZATION, WITHOUT THE EXPRESSED WRITTEN CONSENT OF THE ALABAMA DEPARTMENT OF TRANSPORTATION REPRESENTATIVE AUTHORIZED TO APPROVE THIS USE. ANYONE MAKING UNAUTHORIZED USE OF THIS DRAWING MAY BE PROSECUTED TO THE FULLEST EXTENT OF THE LAW.

Bur	eau Std Engr:D.J.W	DESIG
DAT	AWN BY: TE DRAWN:2016 /ISED DATE:	IN DET

1. THE TOP OF THE REQUIRED GEOTEXTILE FABRIC SHALL BE 6" LOWER THAN THE SHOULDER ELEVATION IN ANY AREA CRITICALLY SUSCEPTIBLE TO FLOODING. 2. DEWATERING HOLES SHALL BE 1" - 1.5" IN DIAMETER AND SPACED 2" - 3" APART TO ALLOW FOR DEWATERING IN NO MORE THAN 48 HOURS.

3. FASTEN DEWATERING DEVICE TO THE 2X4 SIDE BRACE.

STAPLE GEOTEXTILE FABRIC TO DEWATERING DEVICE AND CUT CROSS SLITS IN THE FILTER FABRIC AT THE HOLE LOCATIONS TO ALLOW WATER TO FLOW

5. INLET PROTECTION DEVICE SHALL ONLY BE PAID AS INLET PROTECTION

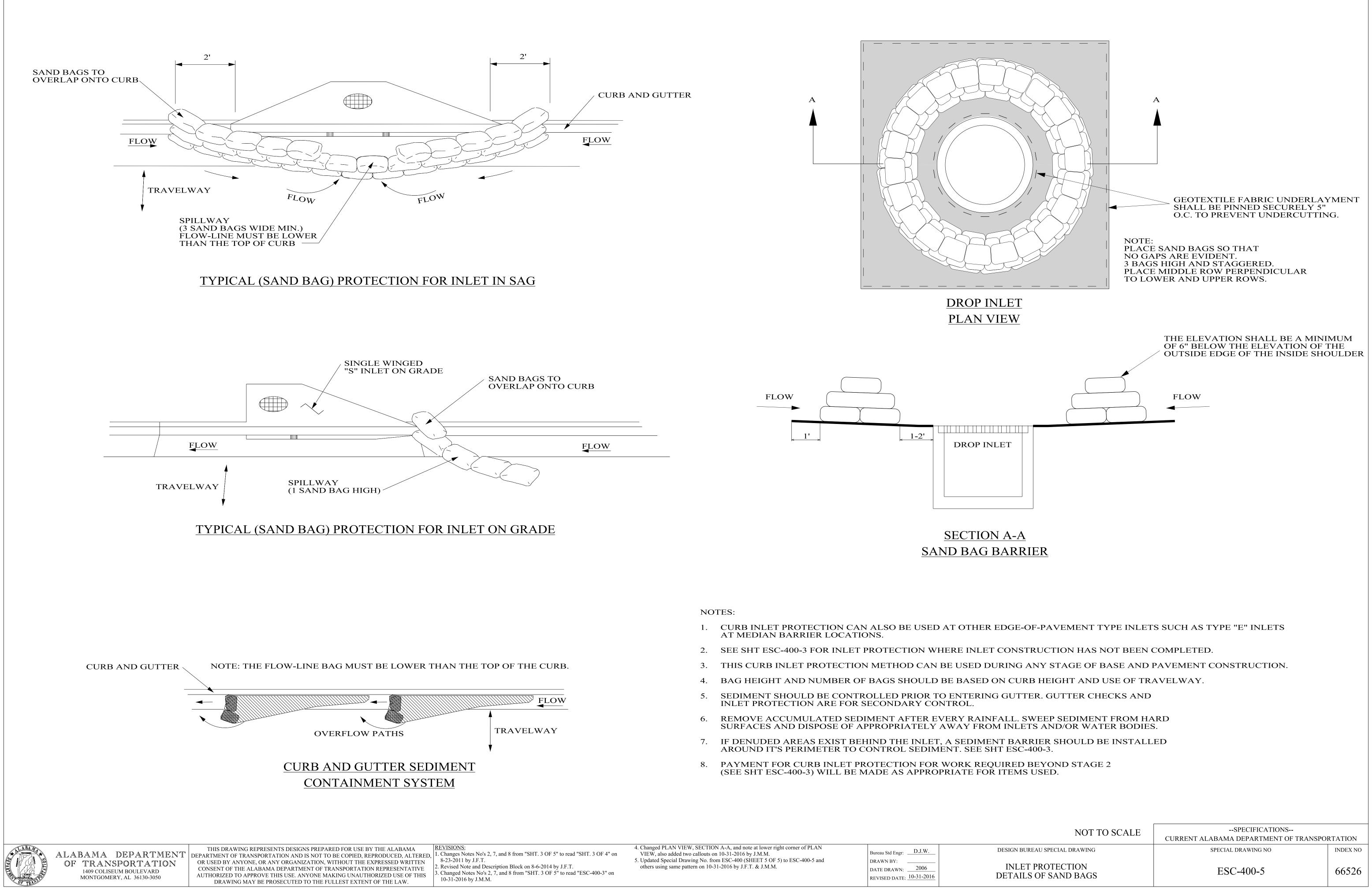
6. SILT FENCE INLET PROTECTION SHALL NOT BE UTILIZED DURING STAGE 1 AND STAGE 2 INLET CONSTRUCTION. SEE SPECIAL DRAWING No ESC-400-1 FOR INLET PROTECTION TYPICAL APPLICATIONS AND DETAILS.

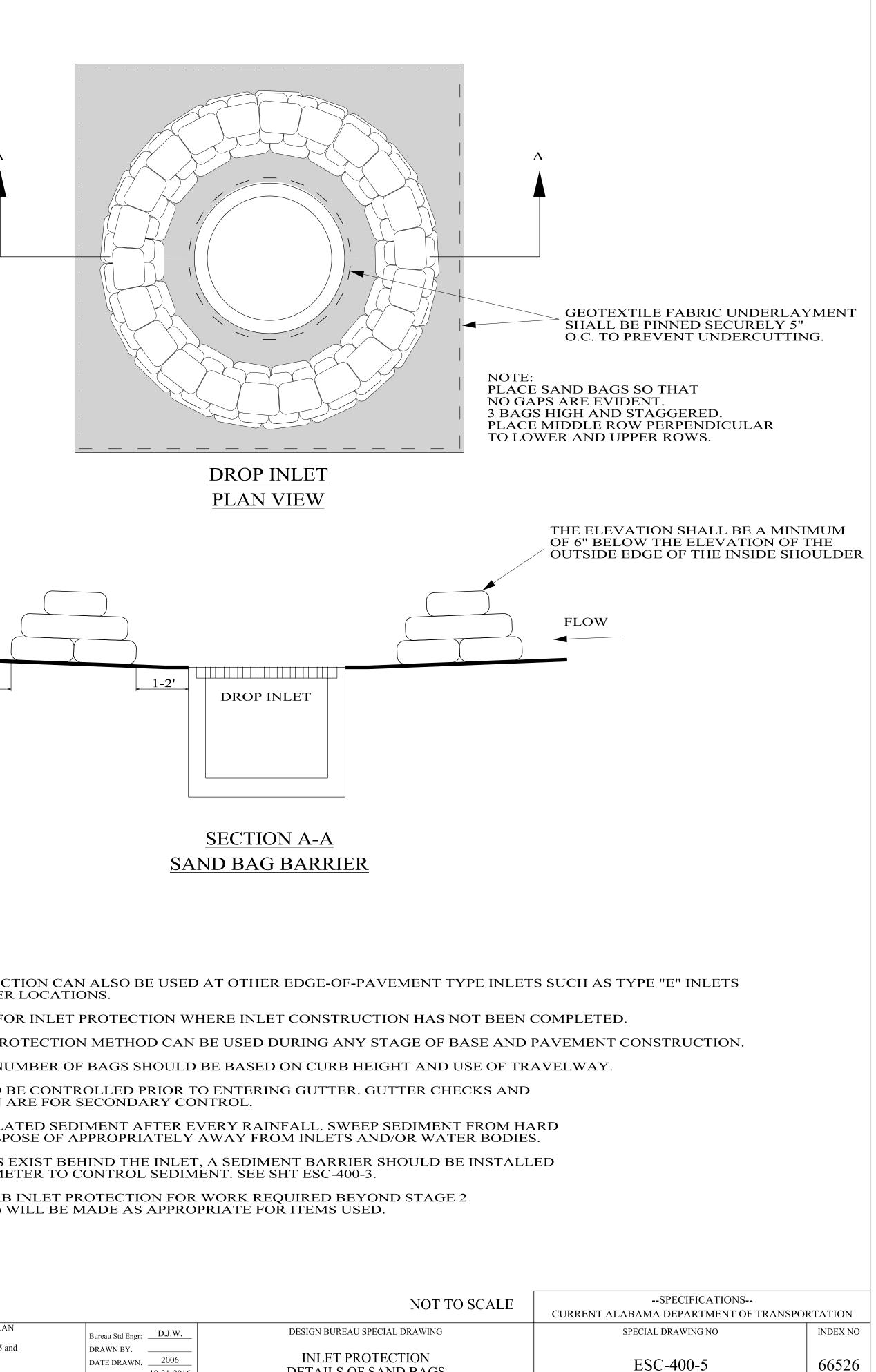
NOT TO SCALE

--SPECIFICATIONS--CURRENT ALABAMA DEPARTMENT OF TRANSPORTATION SPECIAL DRAWING NO INDEX NO

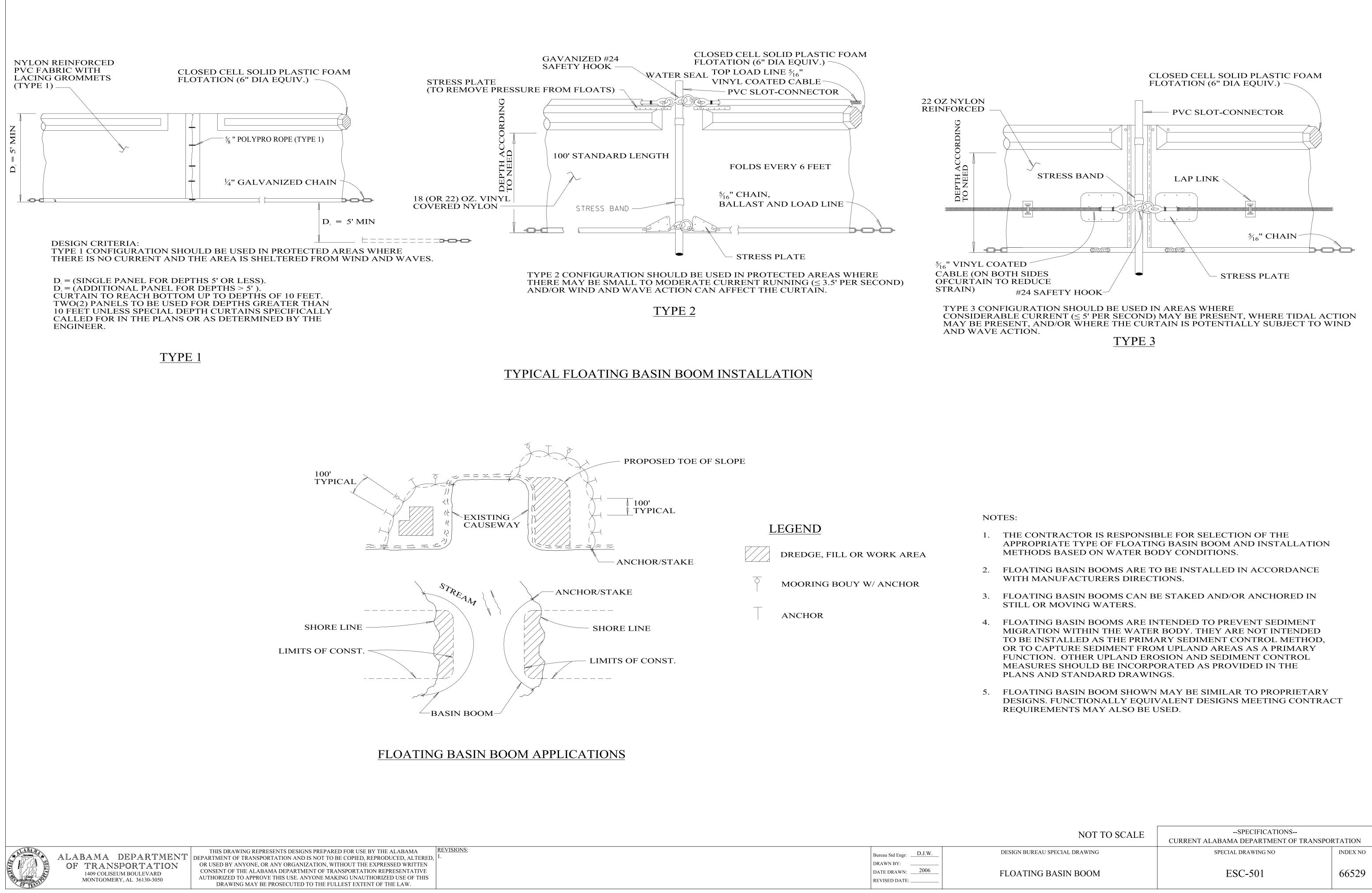
INLET PROTECTION ETAILS OF SILT FENCE

ESC-400-4

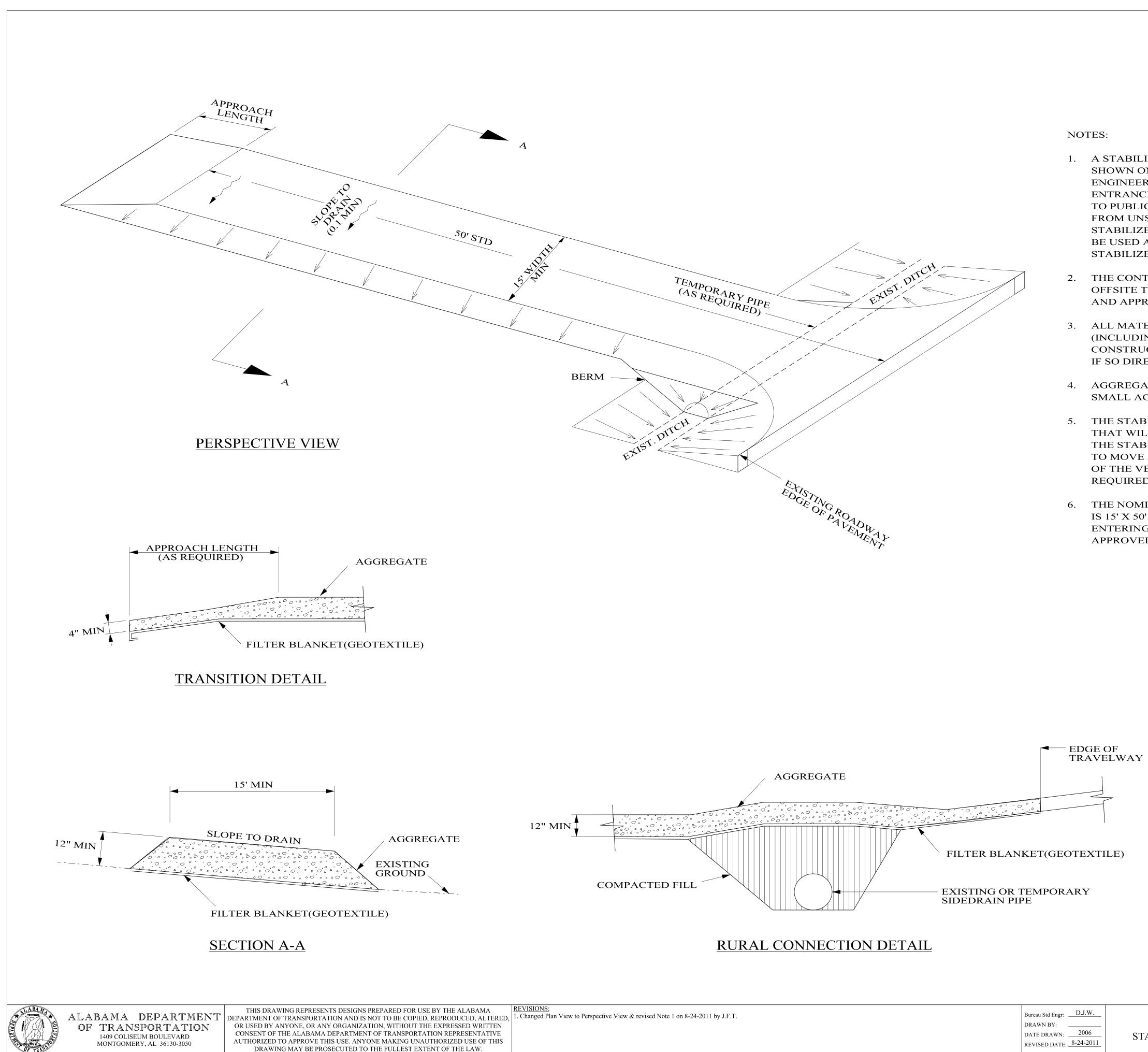




, 7, and 8 from "SHT. 3 OF 5" to read "SHT. 3 OF 4" on	 Changed PLAN VIEW, SECTION A-A, and note at lower right corner of PLAN VIEW, also added two callouts on 10-31-2016 by J.M.M. 	Bureau Std Engr:D.J.W	DESIC
cription Block on 8-6-2014 by J.F.T. 7, 7, and 8 from "SHT. 3 OF 5" to read "ESC-400-3" on	5. Updated Special Drawing No. from ESC-400 (SHEET 5 OF 5) to ESC-400-5 and others using same pattern on 10-31-2016 by J.F.T. & J.M.M.	DRAWN BY:	IN DET



Bureau Std Engr:D.J.W	DESI
DRAWN BY:	
DATE DRAWN:2006	FLC
REVISED DATE:	



- STABILIZED ENTRANCE.

- APPROVED BY THE ENGINEER.

/iew to Perspective View & revised Note 1 on 8-24-2011 by J.F.T.	Bureau Std Engr:	DESIGN BUREAU SPECIAL DRAWING
	DRAWN BY: DATE DRAWN: REVISED DATE:8-24-2011	STABILIZED CONSTRUCTION ENTR

1. A STABILIZED CONSTRUCTION ENTRANCE SHALL BE CONSTRUCTED AT LOCATIONS SHOWN ON THE EROSION SEDIMENT CONTROL SHEETS OR AS APPROVED BY THE ENGINEER BASED ON SAFETY, ECONOMY AND CONSTRUCTION SEQUENCE. THESE ENTRANCES ARE POINTS OF EGRESS FROM UNSTABILIZED AREAS OF THE PROJECT TO PUBLIC ROADS WHERE OFFSITE TRACKING OF MUD COULD OCCUR. TRAFFIC FROM UNSTABILIZED AREAS OF THE PROJECT SHALL BE DIRECTED THRU THE STABILIZED ENTRANCE. BARRIERS, FLAGGING, OR OTHER POSITIVE MEANS SHALL BE USED AS REQUIRED TO LIMIT AND DIRECT VEHICULAR EGRESS ACROSS THE

2. THE CONTRACTOR MAY PROPOSE AN ALTERNATIVE TECHNIQUE TO MINIMIZE OFFSITE TRACKING OF SEDIMENT. THE ALTERNATIVE MUST BE REVIEWED AND APPROVED BY THE ENGINEER PRIOR TO IT'S USE.

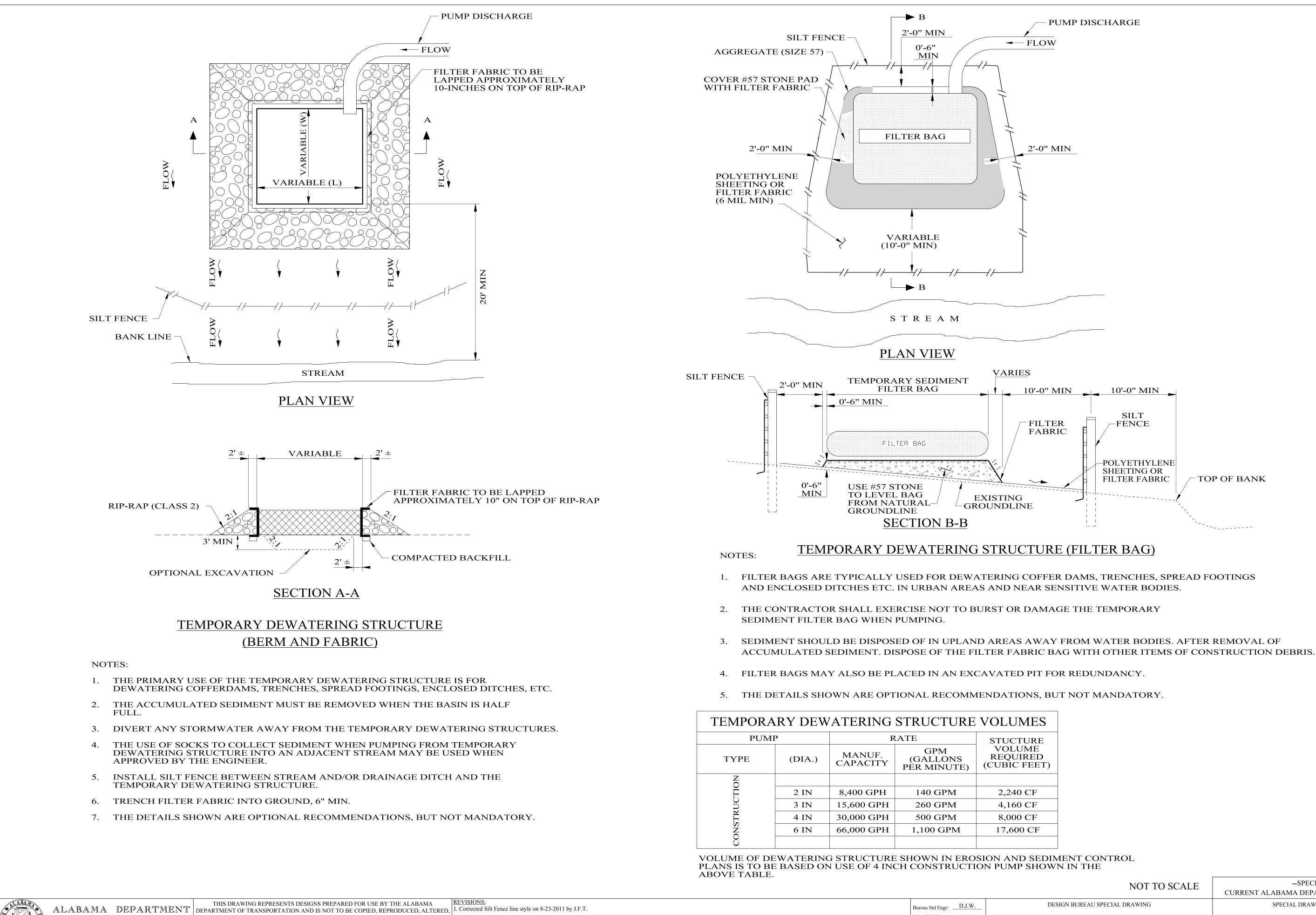
3. ALL MATERIALS SPILLED, DROPPED, OR TRACKED ONTO PUBLIC ROADS (INCLUDING THE STABILIZED CONSTRUCTION ENTRANCE AGGREGATE AND CONSTRUCTION MUD) SHALL BE REMOVED DAILY, OR MORE FREQUENTLY IF SO DIRECTED BY THE ENGINEER.

4. AGGREGATES SHALL BE ALDOT SIZE #1. SIZES CONTAINING EXCESSIVE SMALL AGGREGATE WILL TRACK OFF THE PROJECT AND ARE UNSUITABLE.

5. THE STABILIZED CONSTRUCTION ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL ALLOW IT TO PERFORM IT'S FUNCTION TO PREVENT OFFSITE TRACKING, THE STABILIZED CONSTRUCTION ENTRANCE SHALL BE RINSED WHEN NECESSARY TO MOVE ACCUMULATED MUD DOWNWARD THRU THE STONE. ADDITIONAL STABILIZATION OF THE VEHICULAR ROUTE LEADING TO THE STABILIZED ENTRANCE MAY BE REQUIRED TO LIMIT THE MUD TRACKED.

6. THE NOMINAL SIZE OF A STANDARD STABILIZED CONSTRUCTION ENTRANCE IS 15' X 50' UNLESS OTHERWISE SHOWN IN THE PLANS. IF THE VOLUME OF ENTERING AND EXITING VEHICLES WARRANT, A 30' WIDTH MAY BE USED IF

NOT TO SCALE

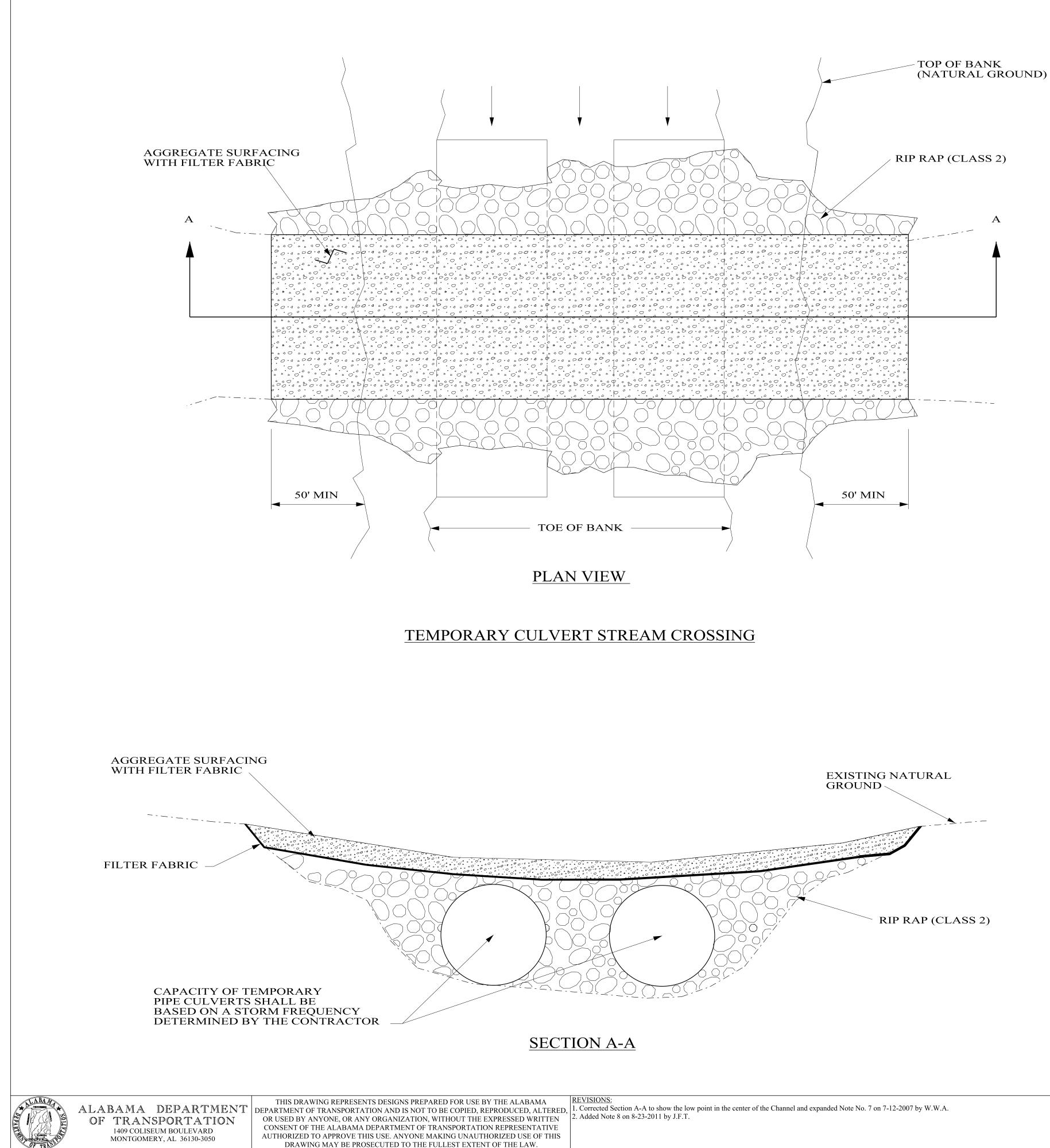


TEMPORARY DEWATERING STRUCTURE VOLUMES				
PUMI		RATE		STUCTURE
ТҮРЕ	(DIA.)	MANUF. CAPACITY	GPM (GALLONS PER MINUTE)	VOLUME REQUIRED (CUBIC FEET)
NC				
	2 IN	8,400 GPH	140 GPM	2,240 CF
nc	3 IN	15,600 GPH	260 GPM	4,160 CF
TR	4 IN	30,000 GPH	500 GPM	8,000 CF
ONSTRU	6 IN	66,000 GPH	1,100 GPM	17,600 CF
CC				

Fence line style on 8-23-2011 by J.F.T.	Bureau Std Engr:D.J.W	DESIC
	DRAWN BY: DATE DRAWN:2006 REVISED DATE:8-23-2011	TEMPORARY

--SPECIFICATIONS--CURRENT ALABAMA DEPARTMENT OF TRANSPORTATION SPECIAL DRAWING NO INDEX NO

RY DEWATERING STRUCTURES



n A-A to show the low point in the center of the Channel and expanded Note No. 7 on 7-12-2007 by W.W.A.	Bureau Std Engr:D.J.W	DESIGN
8-23-2011 by J.F.T.	DRAWN BY:	
	DATE DRAWN: 2006 REVISED DATE: 8-23-2011	TEM ST

NOTES:

- 2.
- PRACTICABLE.
- 4. QUALITY.

- STREAM BANKS.

1. TEMPORARY CULVERT STREAM CROSSINGS PROVIDE A MEANS FOR VEHICLES AND EQUIPMENT TO SAFELY CROSS A WATERCOURSE WHILE MINIMIZING DAMAGE TO THE CHANNEL AND/OR BANKS.

TEMPORARY CULVERT STREAM CROSSINGS, WHEN PERMITTED BY THE ENGINEER, SHALL BE CONSTRUCTED TO SAFELY PASS EXPECTED MEAN WATER FLOW OF THE STREAM FOR THE TIME OF YEAR AND LENGTH OF TIME THAT THEY ARE INSTALLED.

3. TEMPORARY STREAM CROSSINGS SHALL BE DESIGNED TO ENSURE STRUCTURAL INTEGRITY AND STABILITY, AND MAINTAIN NORMAL DOWNSTREAM FLOWS. THE USE OF INSTREAM CROSSINGS AND INSTREAM AGGREGATE FILL SHALL BE MINIMIZED TO THE EXTENT

A CONTINUOUS PROGRAM OF EFFECTIVE EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED PRIOR TO AND CONCURRENT WITH ANY TYPE OF CONSTRUCTION ACTIVITY WITHIN THE BANKS OF A STREAM. WHEN A CROSSING IS NO LONGER NEEDED, THE STREAMBED AND STREAM BANKS SHALL BE RESTORED TO PRE-DISTURBANCE CONDITIONS, OR SUCH A CONDITION THAT PROVIDES SUBSTANTIALLY EQUIVALENT PROTECTION OF WATER

5. LOCATIONS OR TYPES OF TEMPORARY CULVERT STREAM CROSSINGS WILL NOT BE SHOWN ON THE PLANS AS REQUIRED ITEMS NOR WILL REQUIREMENTS FOR MATERIALS OR CONSTRUCTION BE FOUND IN THE STANDARD SPECIFICATIONS.

6. THE CONTRACTOR MAY PROPOSE OTHER OPTIONS FOR TEMPORARY STREAM CROSSINGS SUCH AS STEEL/TIMBER BRIDGE, FORD OR MATS.

7. THE DETAILS PROVIDED DEPICT A TYPICAL TEMPORARY CULVERT STREAM CROSSING. THE DETAILS SHOWN ARE OPTIONAL RECOMMENDATIONS, BUT NOT MANDATORY. PERMITTING APPROVAL REQUIREMENTS MAY PROHIBIT THE PLACEMENT OF MATERIAL WITHIN

8. CONTRACTOR SHALL SUBMIT DETAILED STREAM CROSSING PLAN IN ACCORDANCE WITH ALDOT SPECIFICATION SECTION 107.23.

NOT TO SCALE

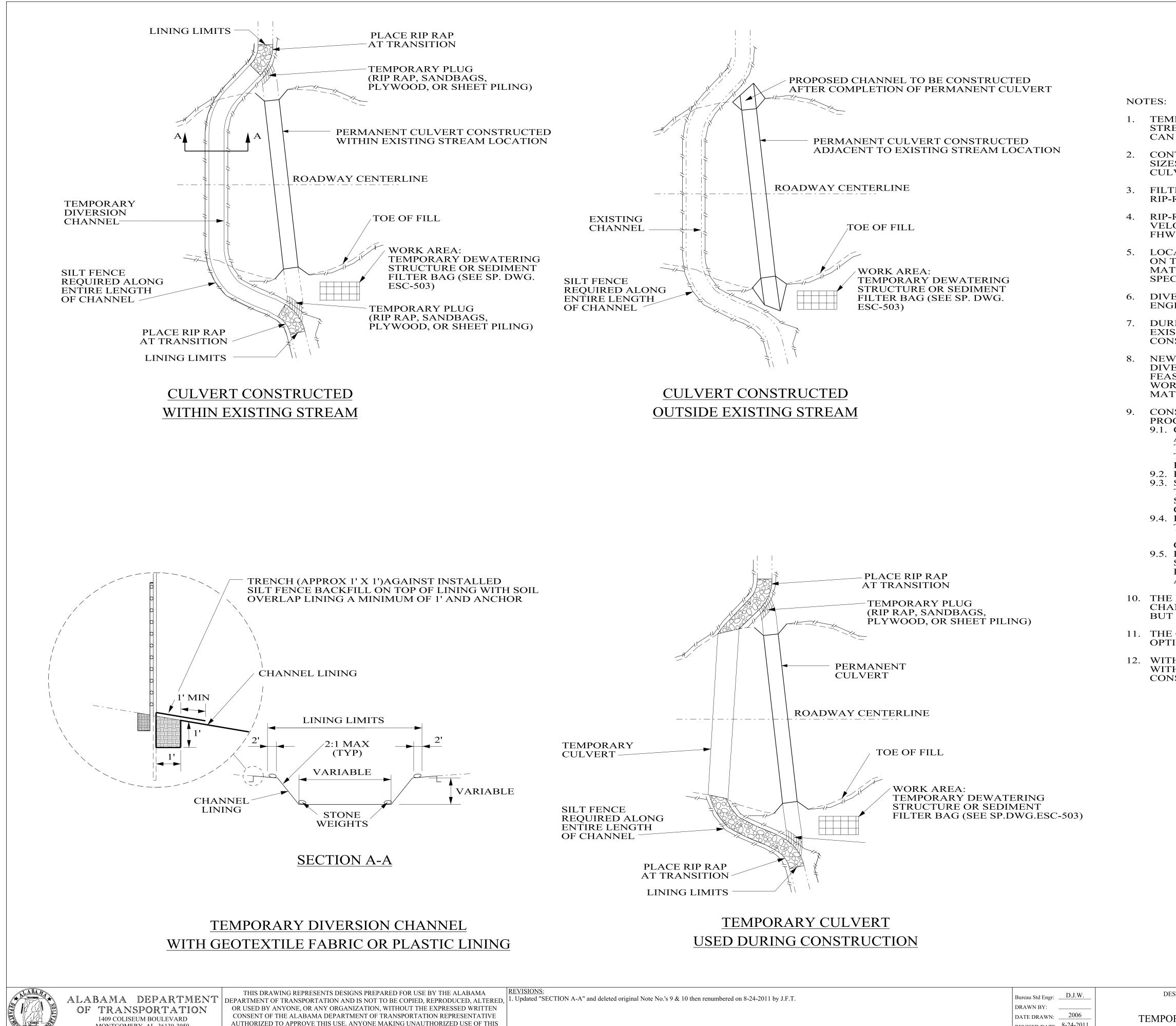
--SPECIFICATIONS--CURRENT ALABAMA DEPARTMENT OF TRANSPORTATION

GN BUREAU SPECIAL DRAWING

MPORARY CULVERT STREAM CROSSING

ESC-504

SPECIAL DRAWING NO



MONTGOMERY, AL 36130-3050

DRAWING MAY BE PROSECUTED TO THE FULLEST EXTENT OF THE LAW.

NA-A" and deleted original Note No.'s 9 & 10 then renumbered on 8-24-2011 by J.F.T.	Bureau Std Engr:D.J.W	DES
	DRAWN BY: DATE DRAWN 2006	
	DATE DRAWN: 2006 REVISED DATE: 8-24-2011	TEMPOF

1. TEMPORARY DIVERSION CHANNELS MAY BE USED TO DIVERT NORMAL STREAM PATH FLOW FROM AN ERODIBLE AREA UNTIL SUCH AREAS CAN BE STABILIZED.

CONTRACTOR SHALL DETERMINE CULVERT AND DIVERSION CHANNEL SIZES, CONSTRUCTION METHODS AND MATERIALS FOR TEMPORARY CULVERT CROSSINGS.

3. FILTER FABRIC OR SUITABLE PLASTIC SHEETING MAY BE USED WITHOUT **RIP-RAP FOR CHANNEL FLOW VELOCITIES OF LESS THAN 3.0 FPS.**

RIP-RAP WITH FILTER FABRIC MAY BE USED FOR CHANNEL FLOW VELOCITIES OF 3.0 FPS TO 9.0 FPS. THE RIP-RAP SHALL BE SIZED USING FHWA HEC-15 DESIGN OF ROADSIDE CHANNELS WITH FLEXIBLE LININGS.

LOCATIONS OR TYPES OF TEMPORARY DIVERSION WILL NOT BE SHOWN ON THE PLANS AS REQUIRED ITEMS NOR WILL REQUIREMENTS FOR MATERIALS OR CONSTRUCTION BE FOUND IN THE STANDARD SPECIFICATIONS.

DIVERSION CHANNEL SHALL BE STABILIZED AND INSPECTED BY THE ENGINEER BEFORE FLOW IS DIVERTED.

DURING CONSTRUCTION OF DIVERSION CHANNEL, DAMAGE TO THE EXISTING STREAM, CANOPY REMOVAL, AND DEPTH OF THE CHANNEL CONSTRUCTION SHALL BE MINIMIZED.

NEW CHANNEL CONSTRUCTION SHALL BE COMPLETED IN THE DRY BEFORE DIVERTING WATER FROM THE EXISTING CHANNEL. WHERE THIS IS NOT FEASIBLE, TEMPORARY FLOW DIVERSION STRUCTURES CAN BE USED UNTIL WORK IS COMPLETE. THESE STRUCTURES CAN BE ANY NON-ERODIBLE MATERIAL.

CONSTRUCTION OF THE CHANNEL RELOCATIONS AND CULVERTS SHALL **PROCEED AS FOLLOWS:**

9.1. CONSTRUCT A MEANDERING TEMPORARY CHANNEL CHANGE ADJACENT TO THE PROPOSED CULVERT TO DIVERT WATER TEMPORARILY DURING THE CULVERT CONSTRUCTION. TEMPORARY EROSION CONTROL MEASURES SHALL BE INSTALLED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS. 9.2. RELOCATE CHANNEL AND CONSTRUCT CULVERT SIMULTANEOUSLY. 9.3. SOD AND/OR RIP-RAP RECONSTRUCTED BANKS AT TRANSITIONS. THE UPPER CHANNEL PLUG IS TO REMAIN IN PLACE UNTIL SUBNOTE (9.1) THROUGH (9.4) UNDER THIS HEADING ARE COMPLETED TO INSURE THAT ALL CONSTRUCTION IS IN THE DRY. 9.4. IF AN EARTH PLUG IS NECESSARY AT THE DOWNSTREAM END OF THE CHANNEL IT SHOULD BE REMOVED FIRST, THEN REMOVE THE UPPER PLUG TO RELEASE WATER INTO THE RECONSTRUCTED

CHANNEL 9.5. PLUGS SHOULD REMAIN IN PLACE UNTIL PERMANENT STABILIZATION OF THE NEW WATER COURSE IS COMPLETED. REMOVAL OF PLUGS SHOULD ONLY BE PERFORMED FOLLOWING ACCEPTANCE OF ALL STABILIZATION WORK BY THE ENGINEER.

10. THE DETAILS PROVIDED DEPICT TYPICAL TEMPORARY DIVERSION CHANNELS. THE DETAILS SHOWN ARE OPTIONAL RECOMMENDATIONS. BUT NOT MANDATORY.

11. THE CONTRACTOR MAY PROPOSE THE USE OF OTHER DIVERSION OPTIONS SUCH AS PIPING, PUMPING OR STAGED CONSTRUCTION.

12. WITH THE EXCEPTION OF SILT FENCE, ALL ITEMS AND WORK ASSOCIATED WITH STREAM DIVERSIONS ARE SUBSIDIARY TO THE CULVERT CONSTRUCTION AND SHALL NOT BE PAID DIRECTLY.

NOT TO SCALE

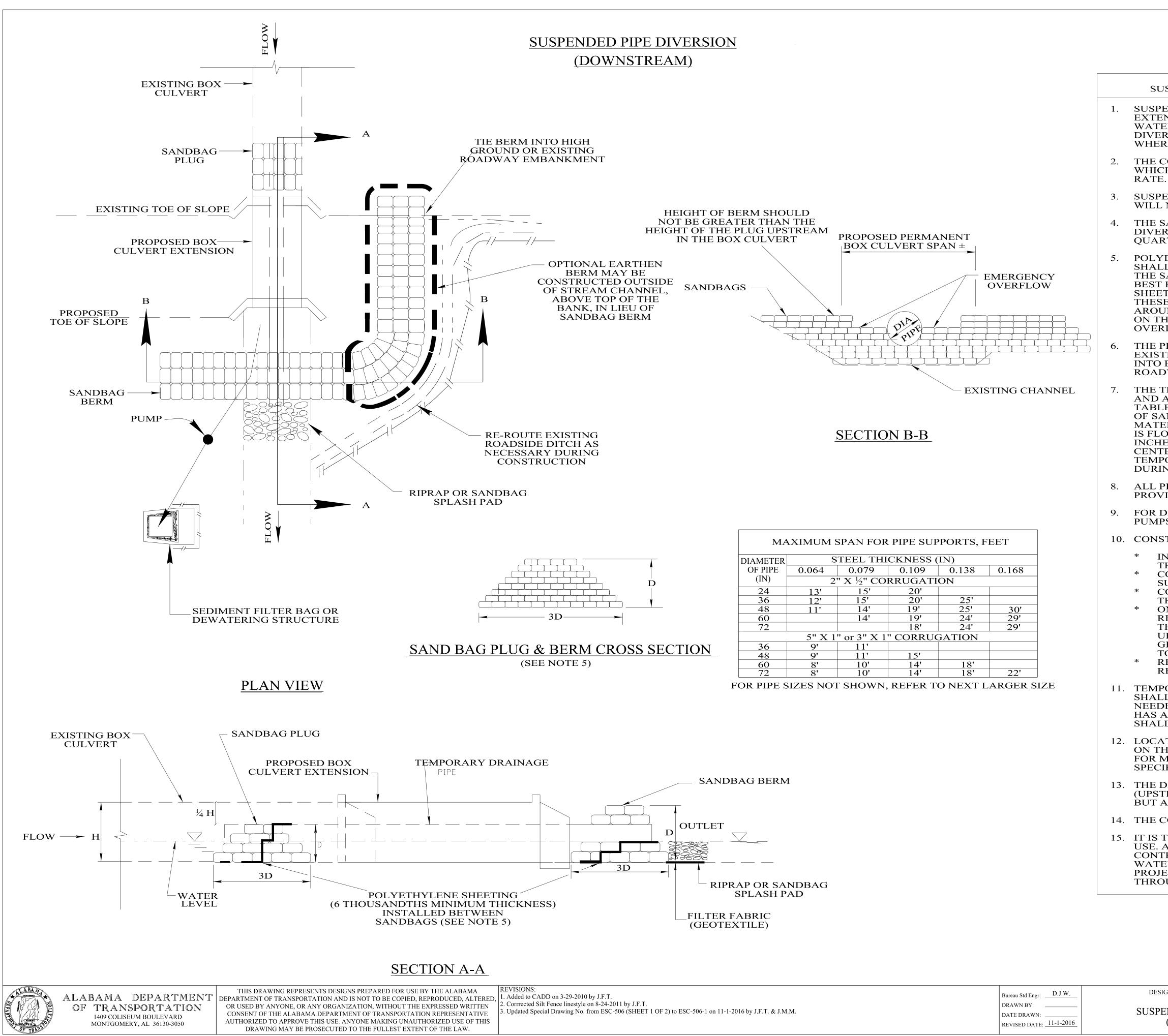
--SPECIFICATIONS--CURRENT ALABAMA DEPARTMENT OF TRANSPORTATION

SIGN BUREAU SPECIAL DRAWING

RARY STREAM DIVERSION

ESC-505

SPECIAL DRAWING NO



DESIGN BUREAU SPECIAL DRAWING SUSPENDED PIPE DIVERSION (DOWNSTREAM)

SUSPENDED PIPE DIVERSION (DOWNSTREAM) GENERAL NOTES

SUSPENDED PIPE DIVERSIONS MAY BE USED TO ALLOW BOX CULVERT EXTENSIONS TO BE CONSTRUCTED WHILE SEPARATED FROM FLOWING WATER, IN THE DRY, THUS REDUCING SEDIMENTATION. FLEXIBLE PIPE DIVERSION MAY BE UTILIZED ON STREAMS WITH INTERMITTANT FLOW WHERE THE DURATION OF CONSTRUCTION IS EXPECTED TO BE BRIEF.

THE CONTRACTOR SHALL DETERMINE THE SIZE OF THE SUSPENDED PIPE WHICH SHALL BE DESIGNED USING A 2-YEAR STORM FREQUENCY FLOW

SUSPENDED PIPE DIVERSIONS MAY BE USED WHERE ADVERSE IMPACTS WILL NOT BE CAUSED BY WATER PONDED UPSTREAM OF THE PIPE.

THE SANDBAG PLUG AT THE DOWNSTREAM END OF THE SUSPENDED PIPE DIVERSIONS SHOULD BE CONSTRUCTED TO A HEIGHT EQUAL TO THREE QUARTERS OF THE RISE OF THE BOX CULVERT.

POLYETHYLENE SHEETING (6 THOUSANDTHS MINIMUM THICKNESS) SHALL BE PLACED INSIDE THE SANDBAG PLUG IN THE BOX CULVERT AND THE SANDBAG BERM WITHIN THE CHANNEL IN ORDER TO PROVIDE THE BEST POSSIBLE SEAL. SANDBAGS ON THE DOWNSTREAM SIDE OF THE SHEETING SHOULD BE PLACED FIRST, AND THEN SHEETING PLACED ON THESE BAGS. AS MUCH AS POSSIBLE, THE SHEETING SHOULD BE FITTED AROUND THE PIPE. THE REMAINING SANDBAGS WOULD THEN BE PLACED ON THE SHEETING. WHERE MULTIPLE SHEETS ARE USED, THEY SHOULD OVERLAP A MINIMUM OF 18 INCHES.

THE PROPOSED CULVERT CONSTRUCTION SHALL BE SEALED FROM THE EXISTING STREAM BY MEANS OF A SANDBAG BERM WHICH WILL BE TIED INTO EITHER HIGH GROUND BESIDE THE CHANNEL OR THE EXISTING ROADWAY EMBANKMENT, UP TO THE 2-YEAR FLOOD LEVEL.

THE TEMPORARY DRAINAGE PIPE WILL BE SUPPORTED AT ALL JOINTS AND AT INTERVALS NOT TO EXCEED THE VALUES SPECIFIED IN THE TABLE "MAXIMUM SPAN FOR PIPE SUPPORTS." SUPPORTS MAY CONSIST OF SANDBAGS, CONCRETE BLOCKS, WOODEN FRAMES, OR ANY OTHER MATERIAL SUFFICIENT TO SUPPORT THE WEIGHT OF THE PIPE WHEN IT IS FLOWING FULL. SUPPORTS AT JOINT SHALL BE A MINIMUM OF 18 INCHES IN LENGTH, ALONG THE TEMPORARY DRAINAGE PIPE AND CENTERED ON THE JOINT. SUPPORTS SHOULD "CRADLE" THE TEMPORARY DRAINAGE PIPE TO ENSURE THAT IT WILL NOT ROLL DURING CONSTRUCTION OF THE BOX CULVERT.

ALL PIPE JOINTS SHALL BE PROPERLY BANDED OR OTHERWISE PROVIDED WITH A REASONABLE SEAL AGAINST LEAKAGE.

FOR DETAILS OF THE OPTIONAL FLEXIBLE PIPE DIVERSION USING PUMPS, SEE SUSPENDED PIPE DIVERSION (UPSTREAM) DETAIL.

10. CONSTRUCTION SHALL PROCEED AS FOLLOWS:

INSTALL TEMPORARY DRAINAGE PIPE ON ITS SUPPORTS INSIDE THE CULVERT TO BE EXTENDED.

CONSTRUCT THE SANDBAG BERM AT THE UPSTREAM END OF THE SUSPENDED PIPE DIVERSIONS.

CONSTRUCT THE SANDBAG PLUG AT THE DOWNSTREAM END OF THE SUSPENDED PIPE DIVERSIONS ONCE THE BOX CULVERT EXTENSION HAS BEEN COMPLETED.

REMOVE THE DOWNSTREAM SANDBAG STRUCTURE, EXCEPT THOSE BAGS NEEDED TO SUPPORT THE END OF THE PIPE. THE UPSTREAM SANDBAG STRUCTURE SHOULD THEN BE REMOVED GRADUALLY, IN ORDER TO ALLOW THE UPSTREAM WATER LEVEL TO DRAWDOWN AT A SAFE RATE. REMOVE THE TEMPORARY DRAINAGE PIPE, SUPPORTS AND ANY **REMAINING SANDBAGS.**

11. TEMPORARY DRAINAGE PIPE, SANDBAG PLUGS, BERMS, AND SUPPORTS SHALL BE INSPECTED WEEKLY OR AFTER EVERY RAIN EVENT. ANY NEEDED REPAIRS SHALL BE DONE IMMEDIATELY. ANY DEBRIS WHICH HAS ACCUMULATED AT THE INLET OF THE SUSPENDED PIPE DIVERSIONS SHALL BE IMMEDIATELY REMOVED.

12. LOCATIONS OR TYPES OF TEMPORARY DIVERSION WILL NOT BE SHOWN ON THE PLANS AS REQUIRED ITEMS OF WORK NOR WILL REQUIREMENTS FOR MATERIALS OR CONSTRUCTION BE FOUND IN THE STANDARD SPECIFICATIONS.

13. THE DETAILS PROVIDED DEPICT TYPICAL SUSPENDED PIPE DIVERSION (UPSTREAM). THE DETAILS SHOWN ARE OPTIONAL RECOMMENDATIONS, BUT ARE NOT MANDATORY.

14. THE CONTRACTOR MAY PROPOSE THE USE OF OTHER DIVERSION OPTIONS.

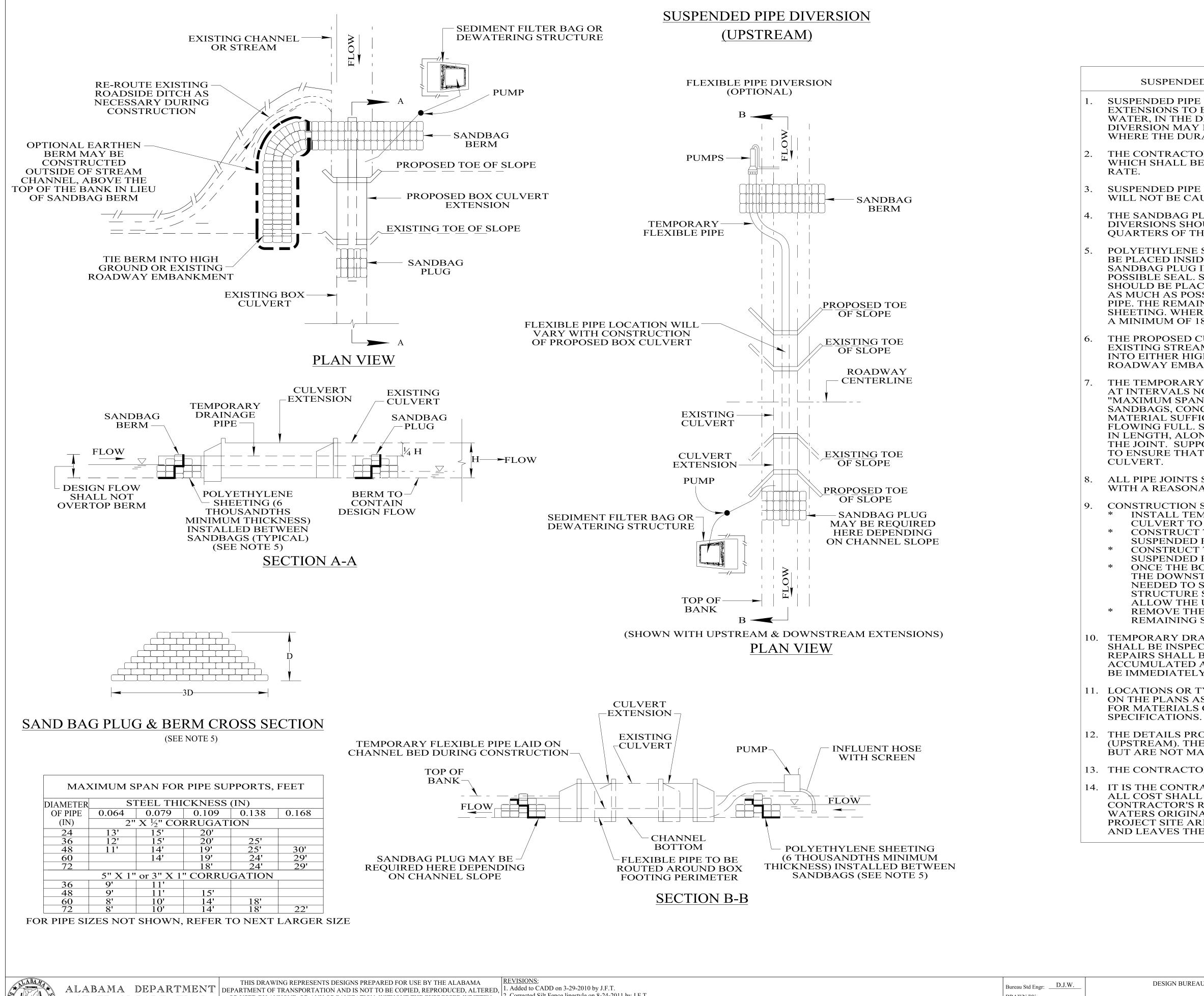
15. IT IS THE CONTRACTOR'S CHOICE WHICH METHOD OF DIVERSION THEY USE. ALL COST SHALL BE BORNE BY THE CONTRACTOR. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THE QUALITY OF THE WATERS ORIGINATING OFF OF THE RIGHT-OF-WAY AND ENTERING THE PROJECT SITE ARE NOT TO BE DIMINISHED AS THE WATER FLOWS THROUGH AND LEAVES THE SITE.

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--SPECIFICATIONS--CURRENT ALABAMA DEPARTMENT OF TRANSPORTATION

SPECIAL DRAWING NO

ESC-506-1



OF TRANSPORTATION 1409 COLISEUM BOULEVARD MONTGOMERY, AL 36130-3050

OR USED BY ANYONE, OR ANY ORGANIZATION, WITHOUT THE EXPRESSED WRITTEN CONSENT OF THE ALABAMA DEPARTMENT OF TRANSPORTATION REPRESENTATIVE AUTHORIZED TO APPROVE THIS USE. ANYONE MAKING UNAUTHORIZED USE OF THIS DRAWING MAY BE PROSECUTED TO THE FULLEST EXTENT OF THE LAW.

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on 3-29-2010 by J.F.T.	Bureau Std Engr:D.J.W	DES
Drawing No. from ESC-506 (SHEET 2 OF 2) to ESC-506-2 on 11-1-2016 by J.F.T. & J.M.M.	DRAWN BY: DATE DRAWN: REVISED DATE:	SUSP

SUSPENDED PIPE DIVERSION (UPSTREAM) GENERAL NOTES

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THE CONTRACTOR SHALL DETERMINE THE SIZE OF THE SUSPENDED PIPE WHICH SHALL BE DESIGNED USING A 2-YEAR STORM FREQUENCY FLOW

SUSPENDED PIPE DIVERSIONS MAY BE USED WHERE ADVERSE IMPACTS WILL NOT BE CAUSED BY WATER PONDED UPSTREAM OF THE PIPE.

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CONSTRUCTION SHALL PROCEED AS FOLLOWS: INSTALL TEMPORARY DRAINAGE PIPE ON ITS SUPPORTS INSIDE THE CULVERT TO BE EXTENDED.

CONSTRUCT THE SANDBAG BERM AT THE UPSTREAM END OF THE SUSPENDED PIPE DIVERSIONS.

CONSTRUCT THE SANDBAG PLUG AT THE DOWNSTREAM END OF THE SUSPENDED PIPE DIVERSIONS.

ONCE THE BOX CULVERT EXTENSION HAS BEEN COMPLETED, REMOVE THE DOWNSTREAM SANDBAG STRUCTURE, EXCEPT THOSE BAGS NEEDED TO SUPPORT THE END OF THE PIPE. THE UPSTREAM SANDBAG STRUCTURE SHOULD THEN BE REMOVED GRADUALLY, IN ORDER TO ALLOW THE UPSTREAM WATER LEVEL TO DRAWDOWN AT A SAFE RATE. REMOVE THE TEMPORARY DRAINAGE PIPE, SUPPORTS AND ANY REMAINING SANDBAGS.

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11. LOCATIONS OR TYPES OF TEMPORARY DIVERSION WILL NOT BE SHOWN ON THE PLANS AS REQUIRED ITEMS OF WORK NOR WILL REQUIREMENTS FOR MATERIALS OR CONSTRUCTION BE FOUND IN THE STANDARD

12. THE DETAILS PROVIDED DEPICT TYPICAL SUSPENDED PIPE DIVERSION (UPSTREAM). THE DETAILS SHOWN ARE OPTIONAL RECOMMENDATIONS, BUT ARE NOT MANDATORY.

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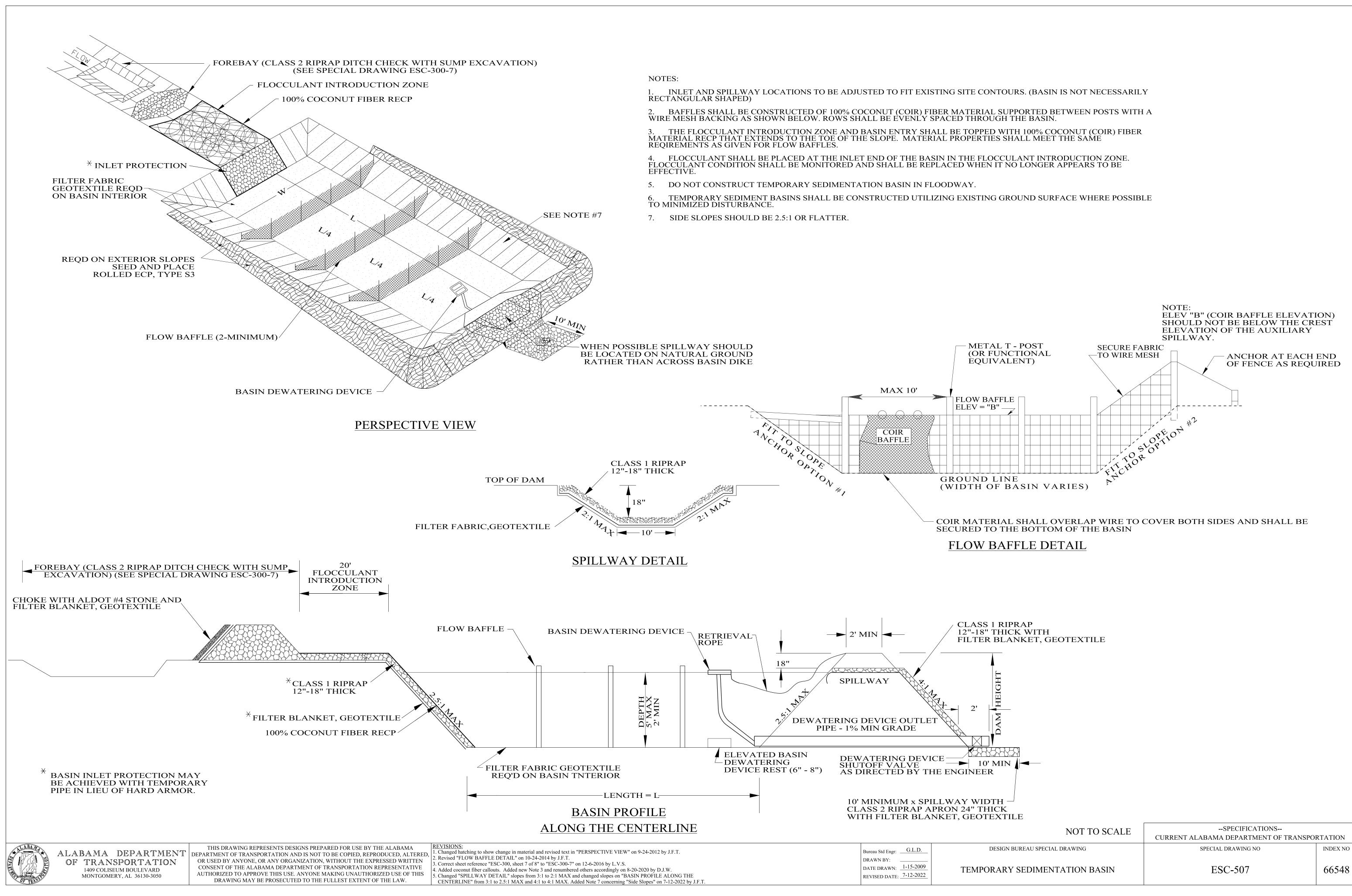
--SPECIFICATIONS--CURRENT ALABAMA DEPARTMENT OF TRANSPORTATION

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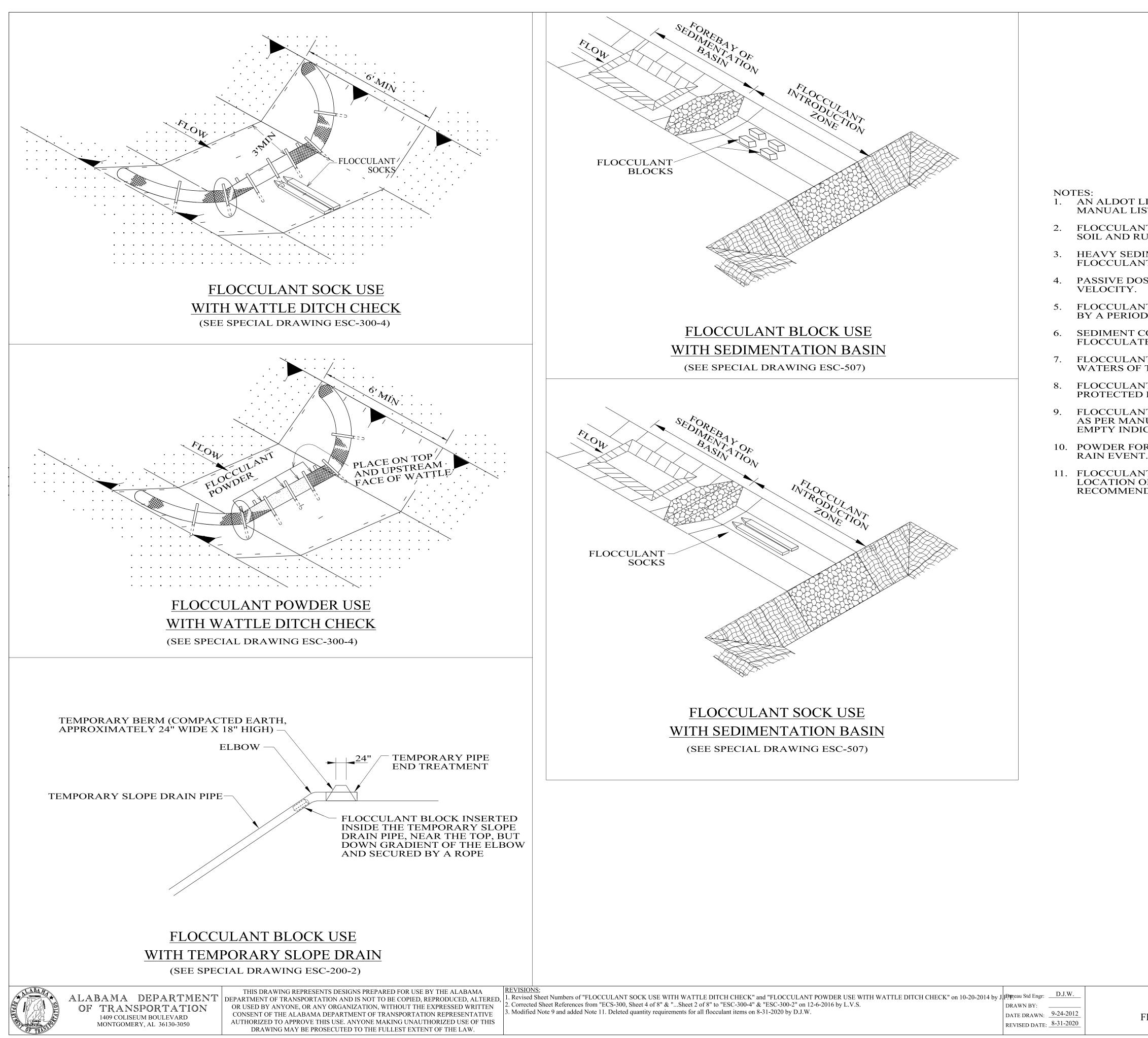
PENDED PIPE DIVERSION (UPSTREAM)

ESC-506-2

SPECIAL DRAWING NO



CURRENT ALABAMA DEPARTMENT OF TRANSPORTATION INDEX NO



Numbers of "FLOCCULANT SOCK USE WITH WATTLE DITCH CHECK" and "FLOCCULANT POWDER USE WITH WATTLE DITCH CHECK" on 10-20-2014 by J	Burreau Std Engr:D.J.W	DESIGN BUREAU SPECIAL DRAWING
t References from "ECS-300, Sheet 4 of 8" & "Sheet 2 of 8" to "ESC-300-4" & "ESC-300-2" on 12-6-2016 by L.V.S. 9 and added Note 11. Deleted quantity requirements for all flocculant items on 8-31-2020 by D.J.W.	DRAWN BY: DATE DRAWN: 9-24-2012 REVISED DATE: 8-31-2020	FLOCCULANT USAGE GUIDE

1. AN ALDOT LIST OF APPROVED FLOCCULANTS CAN BE FOUND IN THE MSDSAR MANUAL LIST II-24 "TEMPORARY EROSION AND SEDIMENT CONTROL PRODUCTS."

FLOCCULANTS ARE SOIL SPECIFIC AND MUST BE SELECTED BASED ON SOIL AND RUNOFF TESTING.

HEAVY SEDIMENT AND SAND SHOULD BE REMOVED PRIOR TO THE LOCATION OF FLOCCULANT APPLICATION.

4. PASSIVE DOSING OF FLOCCULANTS REQUIRES FLOWING WATER WITH A MODERATE

FLOCCULANTS REQUIRE AN INITIAL PERIOD OF MIXING/AGITATION FOLLOWED BY A PERIOD OF LOW VELOCITY TO ALLOW THE SETTLING OF PARTICLES.

SEDIMENT CONTROL MEASURES MUST BE UTILIZED TO CAPTURE THE FLOCCULATED MATERIAL AND PREVENT RE-SUSPENSION PRIOR TO DISCHARGE.

FLOCCULANT SHOULD NEVER BE APPLIED DIRECTLY TO LIVE STREAMS OR WATERS OF THE STATE.

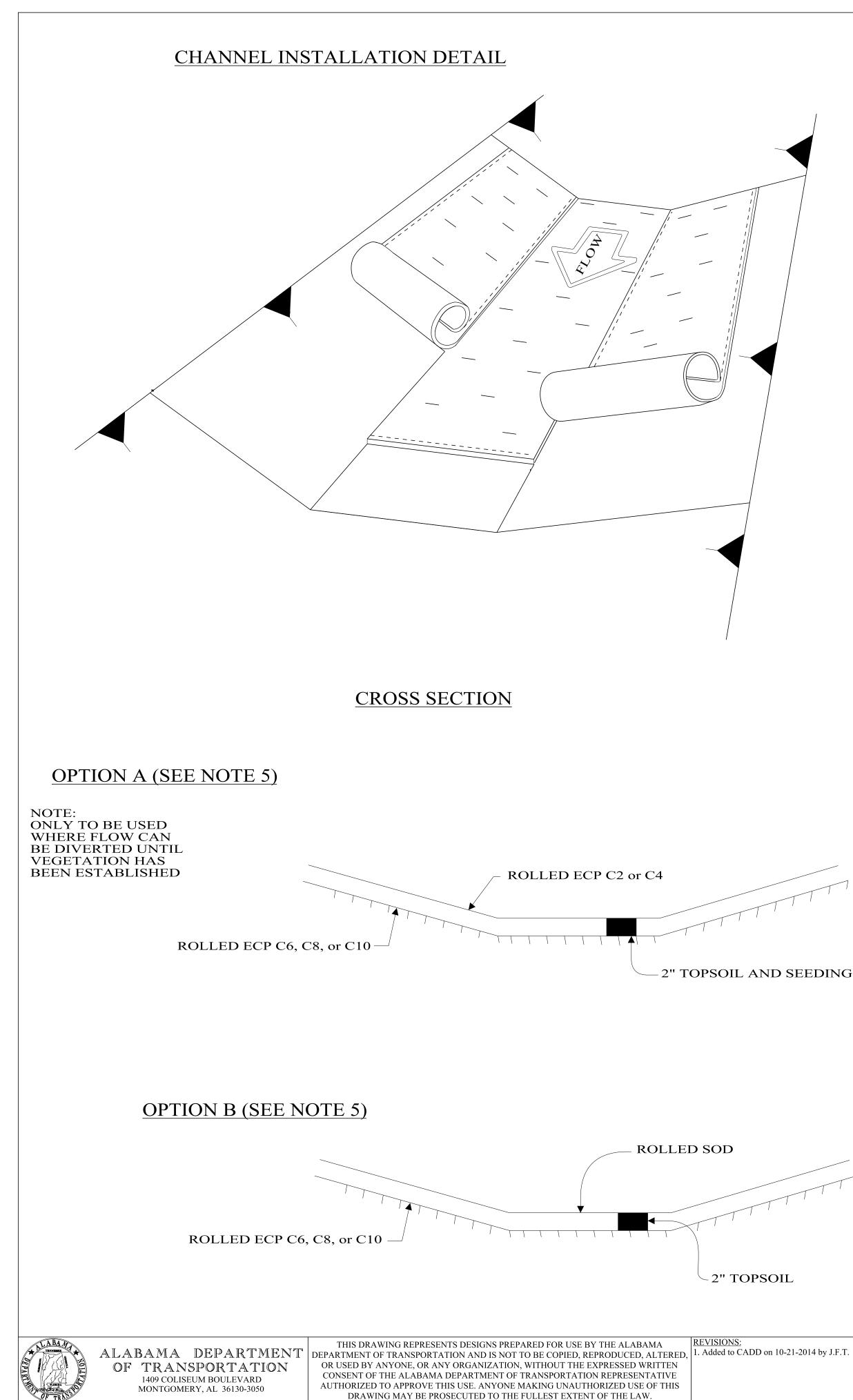
FLOCCULANT BLOCKS CAN DRY OUT PREVENTING DISSOLUTION, BLOCKS MUST BE PROTECTED FROM THE SUN AND SHOULD REMAIN HYDRATED IF POSSIBLE.

FLOCCULANT SOCKS SHALL BE INSTALLED IN THE CORRECT ORDER AND ORIENTATION AS PER MANUFACTURER'S INSTRUCTIONS. FLOCCULANT SOCKS WILL FLATTEN WHEN EMPTY INDICATING THE NEED FOR REPLACEMENT.

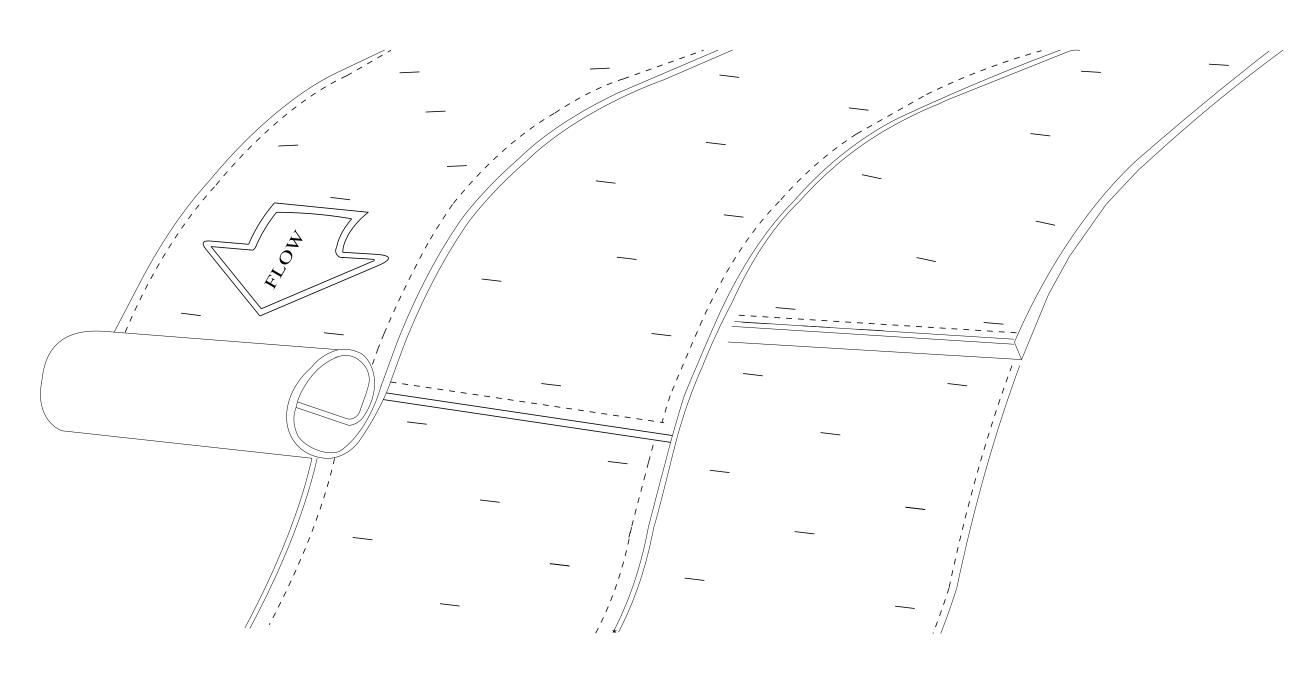
10. POWDER FORMS OF FLOCCULANT TYPICALLY MUST BE REAPPLIED AFTER EACH

11. FLOCCULANTS SHOWN ON DRAWINGS ARE FOR ILLUSTRATIVE PURPOSES TO INDICATE LOCATION OF APPLICATION. DOSING SHALL BE APPLIED AS PER MANUFACTURER'S **RECOMMENDATIONS.**

NOT TO SCALE



SLOPE INSTALLATION DETAIL



NOTES:

- ROLLED EROSION CONTROL PRODUCTS SHALL BE INSTALLED PARALLEL TO THE DIRECTION OF FLOW. THERE SHALL BE AN ANCHOR TRENCH AT THE UPSTREAM EDGE OF THE INSTALLATION. UPSTREAM RECPS SHALL OVERLAP ANY DOWNSTREAM RECPS. ADJACENT RECPS SHALL ALSO BE OVERLAPPED.
- STAPLES SHALL BE PLACED ON OVERLAPS, AT THE TOE OF THE RECP, AND THROUGHOUT THE RECP INSTALLATION IN ACCORDANCE WITH MANUFACTURER'S RECOMMEDATIONS TO ENSURE THE RECP IS IN CONTACT WITH THE UNDERLYING 2. SOIL.
- HYDRAULIC EROSION CONTROL PRODUCTS SHALL BE INSTALLED BY SPRAYING IN OPPOSING DIRECTIONS TO PROVIDE A SOLID BLANKET OF PRODUCT. HECPs SHALL BE APPLIED BY EQUIPMENT AND AT A RATE 3. THAT MEETS THE RECOMMENDATIONS OF THE PRODUCT MANUFACTURER SPECIFIC TO THE SLOPE.
- HYDRAULIC EROSION CONTROL PRODUCTS SHOULD NOT BE INSTALLED IN AREAS SUBJECT TO CHANNELIZED FLOW OR AREAS HAVING A POTENTIAL TO FLOOD DURING A LOCAL 2 YEAR, 24 HOUR STORM EVENT. 4.
- 5. RECP TYPE C2 AND C4 ARE TO BE PLACED ON TOP OF SEEDING. RECP TYPE C6, C8 AND C10 ARE TO BE PLACED BELOW THE TOPSOIL AND SEEDING. THE TOPSOIL AND SEEDING MUST BE COVERED BY EITHER SOD OR RECP TYPE C2 OR C4 (SEE OPTIONS A AND B). ONLY USE OPTION A IF WATER CAN BE KEPT OUT OF THE CHANNEL UNTIL VEGETATED. IF NOT, USE OPTION B.
- 6. SEE ALDOT LIST II-11 FOR APPROVED ROLLED AND HYDRAULIC EROSION CONTROL PRODUCTS.

D on 10-21-2014 by J.F.T.	Bureau Std Engr:D.J.W	DESIG
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--SPECIFICATIONS--CURRENT ALABAMA DEPARTMENT OF TRANSPORTATION SPECIAL DRAWING NO

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