

Mark C. McConnell
Deputy Executive Director/
Chief Engineer

Charles R. Carr
Director
Office of Intermodal Planning



Lisa M. Hancock
Deputy Executive Director/
Administration

Willie Huff
Director
Office of Enforcement

Melinda L. McGrath
Executive Director

P. O. Box 1850 / Jackson, Mississippi 39215-1850 / Telephone (601) 359-7001 / FAX (601) 359-7110 / www.GoMDOT.com

Inter-Departmental Memorandum

Date: May 18, 2015

To: Design Team Leaders
Design Section Engineers

From: Roadway Design Division Engineer
Richard Pittman, P.E.

Subject: Removal of Detour Roads and Existing Embankment

In order to meet state and federal regulations for hydraulics requirements, any projects that call for temporary detours at hydraulic sites will be required to have the entire detour road embankment removed once the detour road is no longer needed. Similarly for any sites that are on new alignment, the existing embankment as specified on the recommendation must be completely removed once the traffic is switched over to the new alignment. If the recommendations cannot be met due to roadway design, please coordinate with Hydraulics Division on any needed modifications.

Beginning immediately, detour bridge recommendations will state that the detour road must be removed within the floodplain determined by the base flood elevation, or station limits will be included. The areas to be removed are to be shown cross-hatched on the cross-sections. Hydraulics Division will be checking the cross-sections on field inspections to make sure this has been properly addressed.

Earthwork quantities will also need to include the embankment removal, and should be discussed thoroughly in the office review.

The cell for "Construction and Removal of Detour Road" has been revised and is attached. Also, a cell for "Removal of Existing Embankment" has been created and is also attached.



A Help document has been created showing the steps to create the removal of detour road in the cross-sections, along with a XS hatch button in the DZine menu to aid in this process. An example of the cross-hatching on the cross-sections is attached.

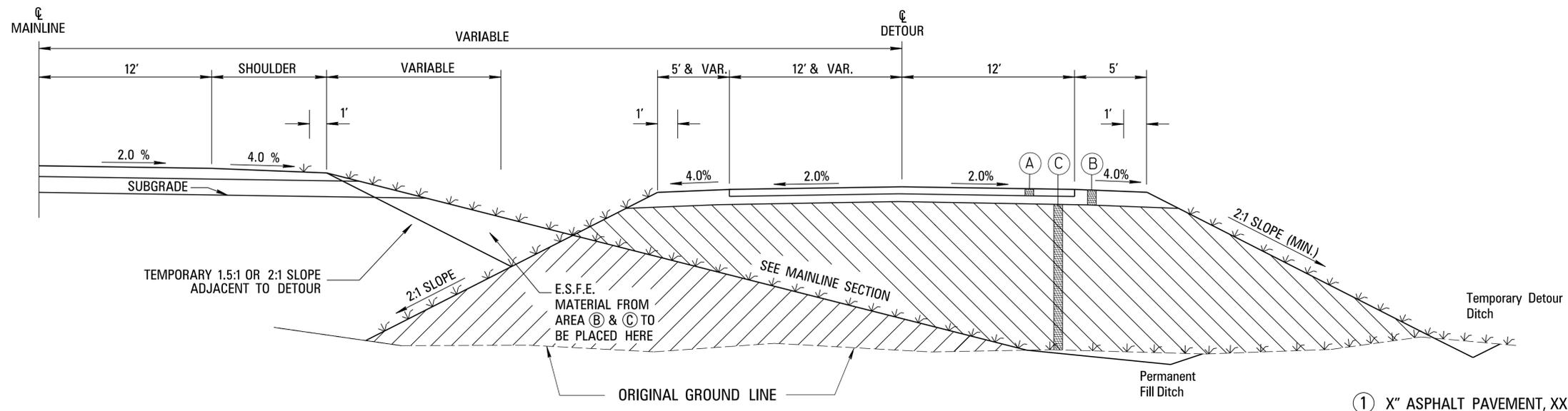
Beginning with the July 2015 letting, plans are required to comply with this memo. Any plans for the July 2015 letting or later that have already been printed for Final Plans must be revised.

If there are any questions, please advise.

Pc: Assistant Chief Engineer – Preconstruction (Mood)
Assistant Roadway Design Engineer (Seal)
Roadway Design Quality Control (Sutterfield)
Special Projects Engineer (Geno)
Hydraulics Division (Westerfield)
Assistant District Engineers – Preconstruction
Construction Division (Chisolm)
Active Consultants

JRP:jrp

Attachments

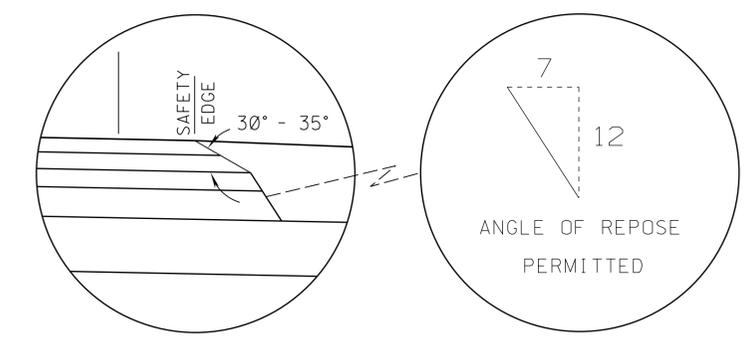
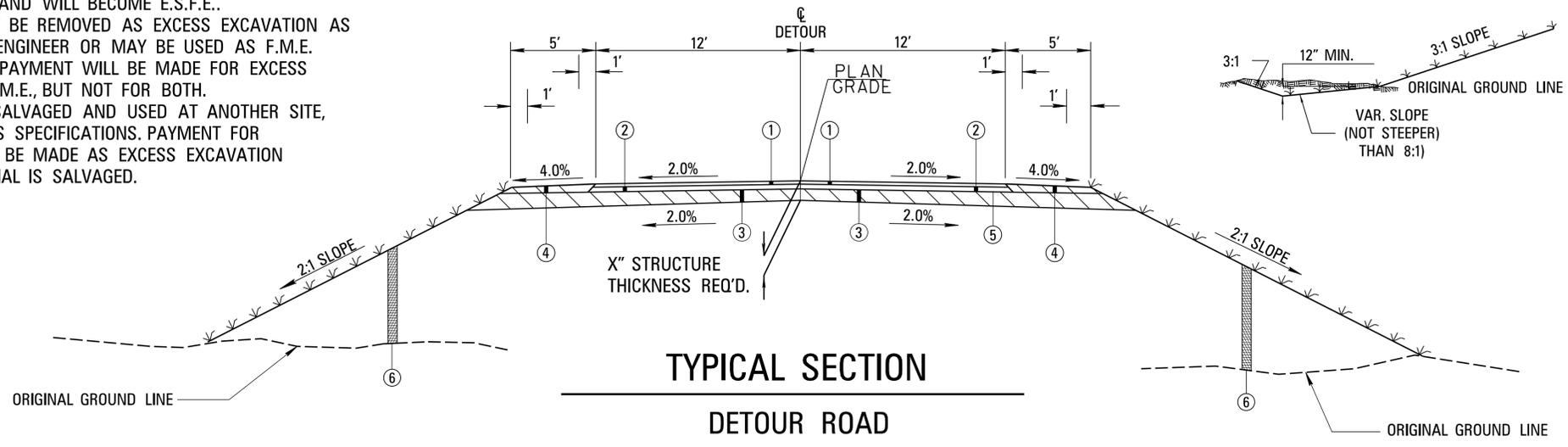


- NOTES:
- (A) -PAVEMENT
 - (B) -GRANULAR MATERIAL
 - (C) -BORROW EXCAVATION
 - I. WHEN NO LONGER NEEDED, THE DETOUR ROAD SHALL BE REMOVED TO THE EXISTING GROUND LINE.
 - II. AREA (A) WILL BE REMOVED AND PAID FOR UNDER APPROPRIATE PAY ITEMS.
 - III. AREA (B) & (C) WILL BE INCLUDED IN THE REMOVAL OF DETOUR ROAD AND WILL BECOME E.S.F.E.. AREA (B) & (C) MAY BE REMOVED AS EXCESS EXCAVATION AS DIRECTED BY THE ENGINEER OR MAY BE USED AS F.M.E. AT ANOTHER SITE. PAYMENT WILL BE MADE FOR EXCESS EXCAVATION OR F.M.E., BUT NOT FOR BOTH. AREA (B) MAY BE SALVAGED AND USED AT ANOTHER SITE, PROVIDED IT MEETS SPECIFICATIONS. PAYMENT FOR AREA (B) WILL NOT BE MADE AS EXCESS EXCAVATION WHEN THE MATERIAL IS SALVAGED.

TYPICAL SECTION FOR CONSTRUCTION AND REMOVAL OF DETOUR ROAD

- ① X" ASPHALT PAVEMENT, XX (9.5 mm MIXTURE) (1 @ X") REQ'D.
- ② X" ASPHALT PAVEMENT, XX (12.5 mm MIXTURE) (2 @ X") REQ'D.
- ③ X" GRANULAR MATERIAL (CLASS 3, GROUP D) REQ'D.
- ④ X" SHOULDER GRANULAR MATERIAL (CLASS 3, GROUP D) REQ'D.
- ⑤ PRIME COAT REQ'D. (MAY BE DELETED WHEN PERMITTED BY THE ENGINEER.)
- ⑥ CLASS B9 BORROW MATERIAL

INDICATES AREA TO BE TREATED IN ACCORDANCE WITH THE VEGETATION SCHEDULE. SEE WK. SH. NO. VS-1.

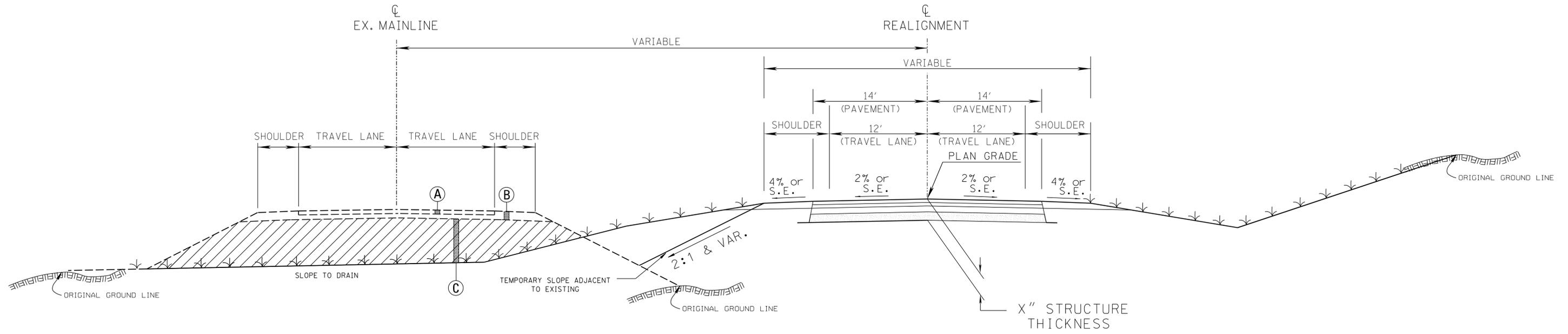


**SAFETY EDGE REQ'D
TOP 2 LIFTS ONLY
(NOT A PAY ITEM)
NEW CONSTRUCTION**

5/18/2015 09:25:44 TYPICAL TESTING.DGN

MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
TYPICAL SECTIONS CONSTRUCTION AND REMOVAL OF DETOUR ROAD	
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FILENAME: TS.REM.DET.ROAD	SHEET NUMBER \$PG\$
DESIGN TEAM	CHECKED
DATE	DATE

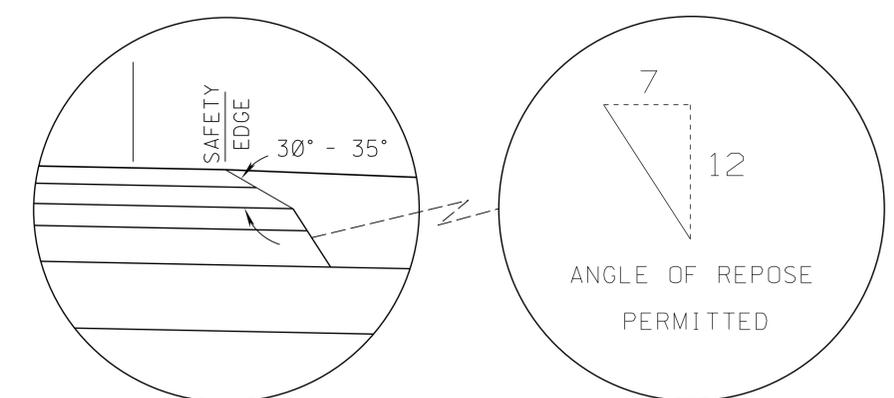
STATE	PROJECT NO.
MISS.	



**TYPICAL SECTION
CONSTRUCTION OF NEW ALIGNMENT &
REMOVAL OF EXISTING EMBANKMENT**

NOTES:

- I. WHEN NO LONGER NEEDED, THE EXISTING HIGHWAY SHALL BE REMOVED AS SHOWN.
- II. AREA (A) WILL BE REMOVED AND PAID FOR UNDER APPROPRIATE PAY ITEMS.
- III. AREA (B) & (C) WILL BE INCLUDED IN THE REMOVAL OF THE EXISTING HIGHWAY AND WILL BECOME E.S.F.E. AREA (B) & (C) MAY BE REMOVED AS EXCESS EXCAVATION AS DIRECTED BY THE ENGINEER OR MAY BE USED AS F.M.E. AT ANOTHER SITE. PAYMENT WILL BE MADE FOR EXCESS EXCAVATION OR F.M.E., BUT NOT FOR BOTH. AREA (B) MAY BE SALVAGED AND USED AT ANOTHER SITE, PROVIDED IT MEETS SPECIFICATIONS. PAYMENT FOR AREA (B) WILL NOT BE MADE AS EXCESS EXCAVATION WHEN THE MATERIAL IS SALVAGED.
- IV. SEE TS-1 FOR DIMENSIONS NOT SHOWN ON SHEET AND FOR PAVEMENT DESIGN



**SAFETY EDGE REQ'D
TOP 2 LIFTS ONLY
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NEW CONSTRUCTION**

INDICATES AREA TO BE TREATED IN ACCORDANCE WITH THE VEGETATION SCHEDULE. SEE WK. SH. NO. VS-1

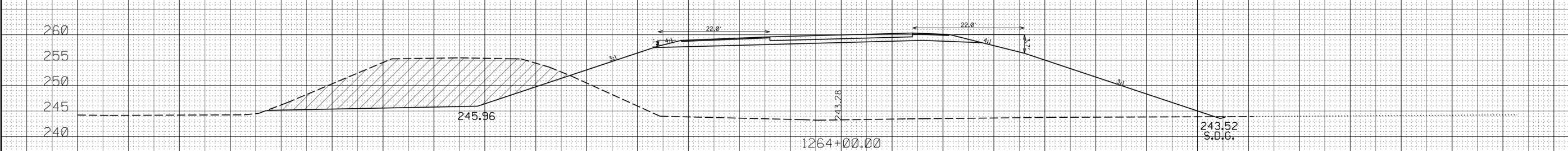
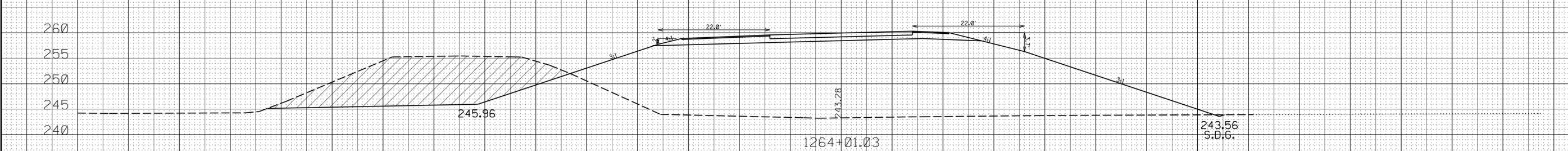
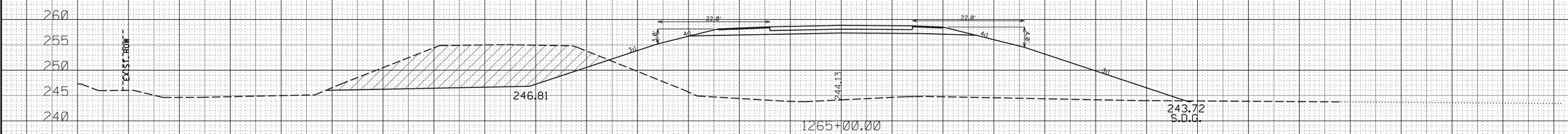
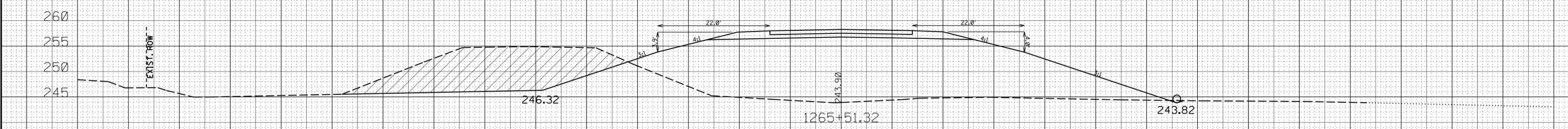
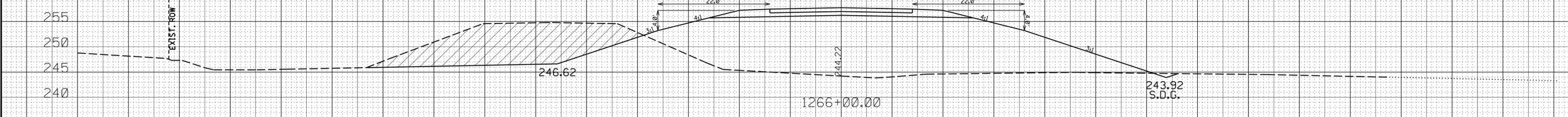
5/14/2015 16:13:38 TS REM EX EMBANKMENT.DGN MISSISSIPPI DEPARTMENT OF TRANSPORTATION

MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
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PROJ. NUM.:	NOT FOR CONSTRUCTION
FILENAME: TS REM EX EMBANKMENT.DGN	WORKING NUMBER
DESIGN TEAM_DANGERFIELD_CHECKED DATE	TS
	SHEET NUMBER
	\$PG\$

160 140 120 100 80 60 40 20 0 20 40 60 80 100 120 140

STATE PROJECT NO.
MISS. BR-2902-00(010)

DEPARTMENT OF TRANSPORTATION
PRELIMINARY
NOT FOR
CONSTRUCTION
MISSISSIPPI



5/13/2015 15:24:25 LAY1.DGN

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Wk. No.
Sh. No.