INDEX TO DRAWINGS:

SHEET NO.:	DESCRIPTION:
1	TITLE SHEET AND LOCATION MAP
2	TYPICAL SECTION
3	GENERAL GRADING LAYOUT
3A	TEMP STOCKPILE LAYOUT
4–7	SECTIONS 10+00 – 39+00
8–10	STORM WATER POLUTION PREVENTION PLAN

PLANS OF PROPOSED CHANNEL IMPROVEMENTS AND RELOCATION FOR DAWSON CREEK STA. 10+00 TO STA. 39+00

(FORMERLY THE ROBERT L. KLEINPETER, et al., PROPERTY)

LOCATED IN SECTIONS 55, 56, & 57, TOWNSHIP 8 SOUTH, RANGE 1 EAST,
GREENSBURG LAND DISTRICT, EAST BATON ROUGE PARISH, LOUISIANA

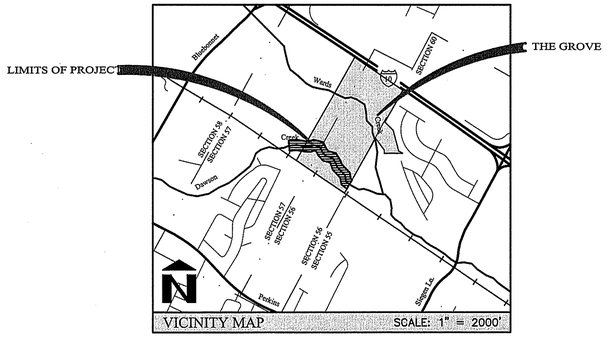
APRIL 2018

MITIGATION CREDITS

TOTAL MITIGATABLE FILL	164,423 C.Y.
TOTAL MITIGATABLE CUT	197,815 C.Y.
NET MITIGATABLE CREDITS FORM DAWSON CREEK (STA 10+00 TO STA 39+00)	33,392 C.Y.

GRADING NOTES:

1. THE TOPSOIL, VEGETATION, ROOTS, TREE STUMPS, AND ANY SOFT OR LOOSE SOILS IN THE CONSTRUCTION AREAS SHALL BE STRIPPED FROM THE SITE AND EITHER WASTED OR STOCKPILED FOR LATER USE IN LANDSCAPING. THE DEPTH OF STRIPPING SHALL BE DETERMINED AT THE TIME OF CONSTRUCTION, BUT NOT LESS THAN 6".
2. CONTRACTOR SHALL REMOVE ALL TREES AND OTHER OBSTRUCTIONS NECESSARY TO FACILITATE HIS WORK AT NO DIRECT PAY.
3. AFTER STRIPPING AND EXCAVATING TO THE PROPOSED SUBGRADE LEVEL AS REQUIRED, THE BUILDING AND PAVEMENT AREAS SHALL BE PROOF–ROLLED WITH A LOADED TANDEM AXLE DUMP TRUCK OR SIMILAR HEAVY RUBBER–TIRED VEHICLE. SOILS THAT ARE OBSERVED TO RUT OR DEFLECT EXCESSIVELY UNDER THE MOVING LOAD SHOULD BE UNDERCUT AND REPLACED WITH PROPERLY COMPACTED FILL. THE PROOF–ROLLING AND UNDERCUTTING ACTIVITIES SHALL BE WITNESSED BY A REPRESENTATIVE OF THE GEOTECHNICAL ENGINEER AND/OR TESTING AND INSPECTION LABORATORY AND SHOULD BE PERFORMED DURING A PERIOD OF DRY WEATHER.
4. AFTER PROOF–ROLLING AND REPLACING ANY SUBSTANDARD AREAS, THE TOP 8–INCHES OF SUBGRADE SOIL SHALL BE SCARIFIED AND COMPACTED TO AT LEAST 92 PERCENT OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D698 (STANDARD PROCTOR) AT MOISTURE CONTENTS WITHIN 2% OF OPTIMUM.
5. IF CONSTRUCTION OCCURS DURING WET WEATHER AND/OR COMPACTION REQUIREMENTS CANNOT BE MET, IT MAY BE NECESSARY TO UNDERCUT AND REPLACE THE SUB–BASE OR TREAT WITH 8–INCH LIME (3% BY VOLUME) OR FLY ASH TO REDUCE THE PLASTICITY INDEX (PI) TO WITHIN A RANGE BETWEEN FIVE (5) AND EIGHTEEN (18).
7. POSITIVE SITE SURFACE DRAINAGE SHALL BE PROVIDED TO REDUCE INFILTRATION OR SURFACE WATER AROUND THE PERIMETER OF THE BUILDING AND BENEATH FLOOR SLABS.
8. THE FIRST LAYER OF FILL SHALL BE PLACED IN A RELATIVELY UNIFORM HORIZONTAL LIFT AND BE ADEQUATELY KEYED INTO THE STRIPPED AND SCARIFIED SUB–BASE SOIL. FILL MATERIAL SHALL BE FREE OF ORGANIC OR OTHER DELETERIOUS MATERIALS HAVE A MAXIMUM PARTICLE SIZE LESS THAN 2 INCHES, AND HAVE A LIQUID LIMIT LESS THAN THIRTY–EIGHT (38) AND PLASTICITY INDEX BETWEEN FIVE (5) AND EIGHTEEN (18).
9. STRUCTURAL FILL SHALL BE COMPACTED TO AT LEAST 95 PERCENT OF STANDARD PROCTOR MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D698.
10. FILL MATERIAL SHALL BE PLACED IN MAXIMUM LIFTS OF 8–INCHES OF LOOSE MATERIAL AND SHALL BE COMPACTED WITHIN THE RANGE OF 1 PERCENTAGE POINT BELOW TO 3 PERCENTAGE POINTS ABOVE THE OPTIMUM MOISTURE CONTENT VALUE. EACH LIFT OF COMPACTED ENGINEERED FILL SHALL BE TESTED BY A REPRESENTATIVE OF THE GEOTECHNICAL ENGINEER AND/OR TESTING AND INSPECTION LABORATORY PRIOR TO PLACEMENT OF SUBSEQUENT LIFTS.
11. NOI & ALL OTHER NECESSARY & REQUIRED PERMITS FROM STATE AND FEDERAL AGENCIES MUST FILED BY CONTRACTOR/OWNER IF NOT ALREADY DONE.



VICINITY MAP SCALE: 1" = 2000'

DEVELOPER

CARMOUCHE CONSTRUCTION

10343 SIEGEN LANE, BLDG. #2–A
BATON ROUGE, LOUISIANA 70810

ENGINEER

FERRIS ENGINEERING & SURVEYING, L.L.C.

11854 BRICKSOME AVENUE
BATON ROUGE, LOUISIANA 70816
PH (225) 292–6838
FAX (225) 292–0441
CONTACT: DERIC MURPHY

REFERENCE BENCHMARKS:

REFERENCE BENCHMARK: EBR NO. 54-73 - ELEV. 22.902' (NAVD 73)

FLOOD INFORMATION:

100–YEAR BASE FLOOD ELEV.: ——————24.5'

EAST BATON ROUGE CITY/PARISH DEPARTMENT OF PUBLIC WORKS

REVIEWED:

SHANNON DUPONT, P.E.
DEPARTMENT OF PUBLIC WORKS — DATE

APPROVED:

CAREY CHAVIN, P.E.
DEPARTMENT OF PUBLIC WORKS DIRECTOR — DATE

PLANS PREPARED AND RECOMMENDED FOR APPROVAL BY:

ENGINEER'S CERTIFICATION: I HEREBY CERTIFY THAT THE DESIGN OF THE CHANNEL IMPROVEMENTS AND DRAINAGE TO THE BEST OF MY KNOWLEDGE, CONFORMS TO THE CURRENT UNIFIED DEVELOPMENT CODE AND CONFORMS TO THE CURRENT DESIGN STANDARDS OF THE DEPARTMENT OF PUBLIC WORKS, UNLESS NOTED OTHERWISE.

CLINT J. KENNERLY, P.E.
FERRIS ENGINEERING & SURVEYING, L.L.C.
4.19.18
DATE

STATE OF LOUISIANA
CLINT J. KENNERLY
License No. 36776
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

EAST BATON ROUGE CITY/PARISH DEPARTMENT OF PUBLIC WORKS

REVIEWED:

/S/ JIM FERGUSON — 1/27/09
JIM FERGUSON, P.E.
DEPARTMENT OF PUBLIC WORKS — DATE

APPROVED:

/S/ PETER T. NEWKIRK — 1/27/09
PETER T. NEWKIRK, P.E.
DEPARTMENT OF PUBLIC WORKS DIRECTOR — DATE

PLANS PREPARED AND RECOMMENDED FOR APPROVAL BY:

ENGINEER'S CERTIFICATION: I HEREBY CERTIFY THAT THE DESIGN OF THE CHANNEL IMPROVEMENTS AND DRAINAGE TO THE BEST OF MY KNOWLEDGE, CONFORMS TO THE CURRENT UNIFIED DEVELOPMENT CODE AND CONFORMS TO THE CURRENT DESIGN STANDARDS OF THE DEPARTMENT OF PUBLIC WORKS, UNLESS NOTED OTHERWISE.

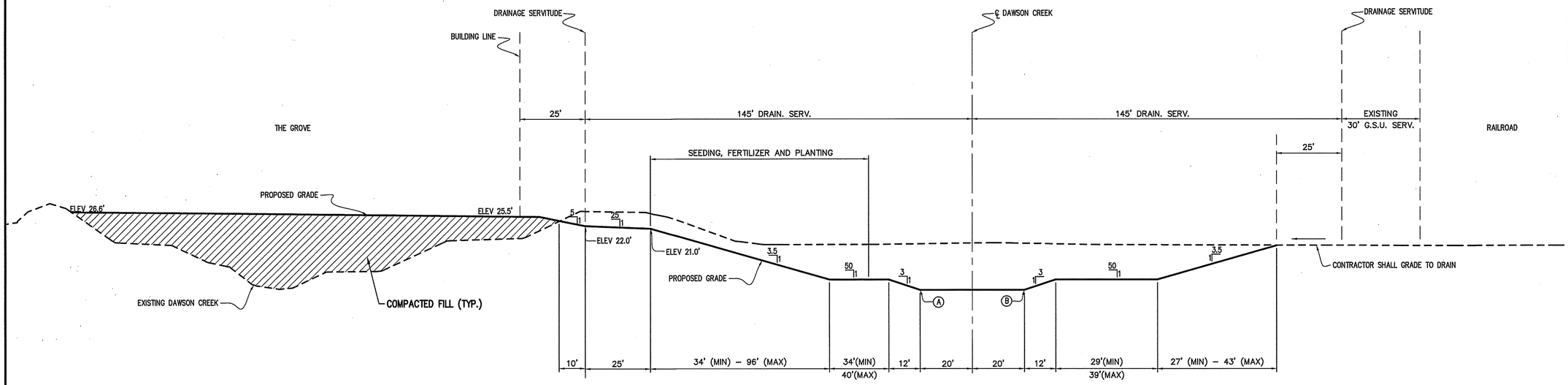
/S/ DERIC MURPHY
DERIC J. MURPHY, P.E.
FERRIS ENGINEERING & SURVEYING, L.L.C.
1/26/09
DATE

STATE OF LOUISIANA
DERIC J. MURPHY
License No. 29602
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

FERRIS
ENGINEERING & SURVEYING, LLC
CIVIL ENGINEERING
LAND SURVEYING
LAND PLANNING
MUNICIPAL/HIGHWAY
11854 BRICKSOME AVENUE - BATON ROUGE, LA 70816
PH - 225.292.6838 - FAX - 225.292.0441 - WWW.FERRISINC.COM

Date: APRIL 2018
Drawn By: BMB
Sheet: 1 OF 10

DAWSON CREEK: CHANNEL IMPROVEMENTS



PROPOSED TYPICAL GRADING SECTION

SCALE: 1" = 20'

OFFSET TABLE				
STA.	"A"	"B"	ELEV.	DESCRIPTION
11+00	EXISTING	EXISTING	EXISTING ±	
12+00	EXISTING	EXISTING	3.3	BEGIN TRANSISTION
13+00	20	20	3.2	
14+00	20	20	3.1	
15+00	20	20	3.0	
16+00	20	20	2.9	
17+00	20	20	2.8	
18+00	20	20	2.7	
19+00	20	20	2.6	
20+00	20	20	2.5	
21+00	20	20	2.4	
22+00	20	20	2.3	
23+00	20	20	2.2	
24+00	20	20	2.1	
25+00	20	20	2.0	
26+00	20	20	1.9	
27+00	20	20	1.8	
28+00	20	20	1.7	
29+00	20	20	1.6	
30+00	20	20	1.5	
31+00	20	20	1.4	
32+00	20	20	1.3	
33+00	20	20	1.2	
34+00	20	20	1.1	
35+00	20	20	1.0	
36+00	20	20	0.9	
37+00	20	20	0.8	
38+00	20	20	0.7	
39+00	20	20	EXISTING ±	END TRANSISTION

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Client:
CARMOUCHE CONSTRUCTION

10343 SIEGEN LANE, BLDG. #2-A
BATON ROUGE, LOUISIANA 70810

Project:
THE GROVE DAWSON CREEK RELOCATION

Title: TYPICAL SECTION

Description: LOCATED IN SECTIONS 55, 56 & 57, TOWNSHIP 8 SOUTH, RANGE 1 EAST, GREENSBURG LAND DISTRICT, EAST BATON ROUGE PARISH, LOUISIANA

DWG Path: L:\05-016 The Grove Prel_Topo\Dwg\Plans\MITIGATION PLANS DAWSONS\05-016_02_TY.dwg 1/20/2009 9:21:32 AM CST

Revisions:

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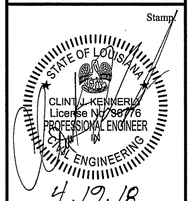


Date:	APRIL 2018
Project No.:	05-016
Drawn By:	BMB
Cadfile:	05-016_02_TY
Drawing No.:	2

Sheet: 2 OF 10

SUMMARY OF PHASING QUANTITIES

PHASE 1:	
TOTAL MITIGATABLE CUT FROM DAWSON CREEK (STA 10+00 TO STA 39+00)	204,500 C.Y.
TOTAL NON MITIGATABLE CUT FROM DAWSON CREEK (STA 10+00 TO STA 39+00)	8,900 C.Y.
PHASE 2:	
STOCKPILE CUT FROM DAWSON CREEK	213,400 C.Y.
PHASE 3:	
TOTAL MITIGATABLE FILL NEEDED	197,300 C.Y.
TOTAL NON MITIGATABLE FILL NEEDED	44,100 C.Y.

* USING 20% COMPACTION FACTOR

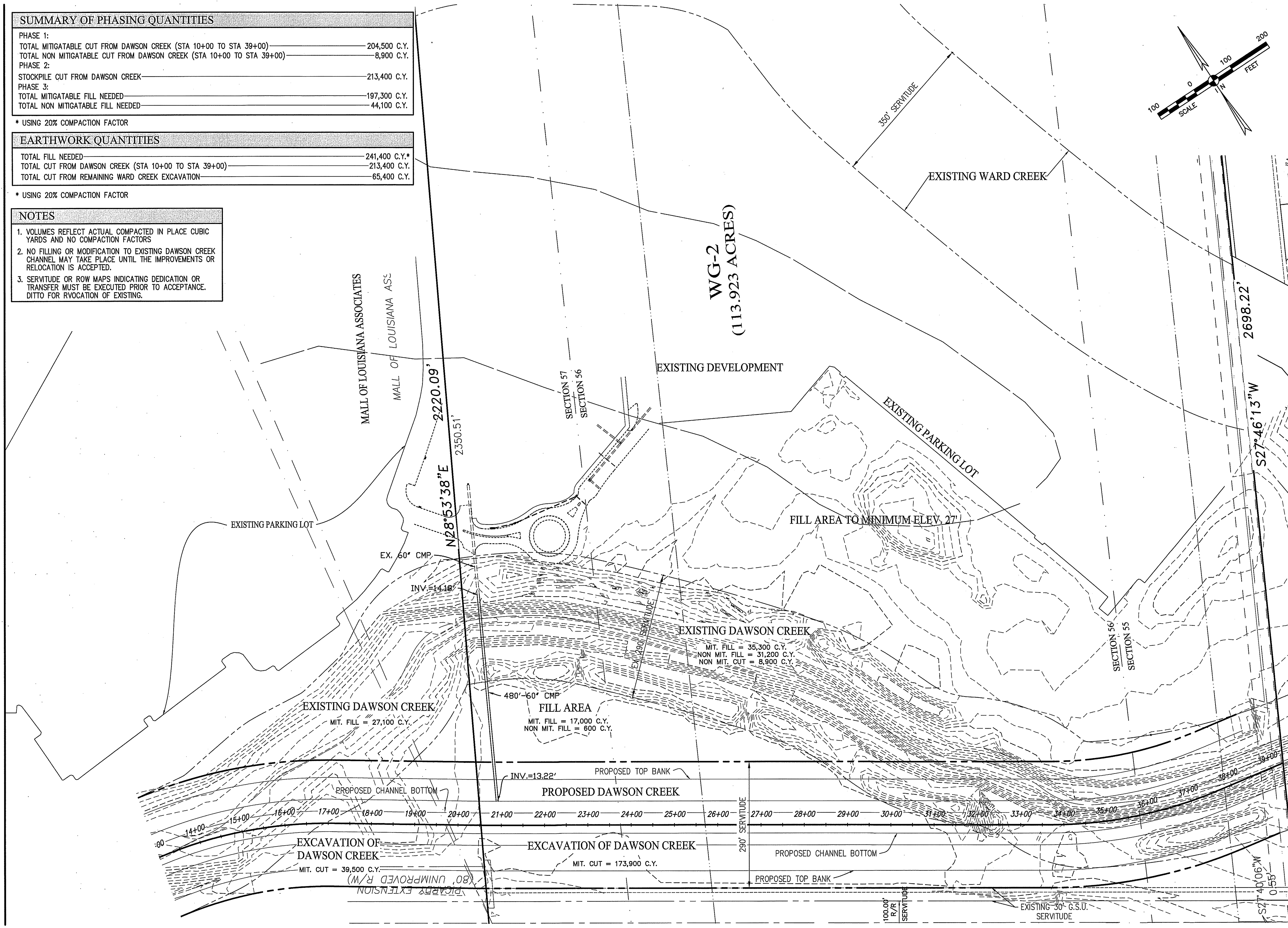
EARTHWORK QUANTITIES

TOTAL FILL NEEDED	241,400 C.Y.*
TOTAL CUT FROM DAWSON CREEK (STA 10+00 TO STA 39+00)	213,400 C.Y.
TOTAL CUT FROM REMAINING WARD CREEK EXCAVATION	65,400 C.Y.

* USING 20% COMPACTION FACTOR

NOTES

1. VOLUMES REFLECT ACTUAL COMPACTED IN PLACE CUBIC YARDS AND NO COMPACTION FACTORS
2. NO FILLING OR MODIFICATION TO EXISTING DAWSON CREEK CHANNEL MAY TAKE PLACE UNTIL THE IMPROVEMENTS OR RELOCATION IS ACCEPTED.
3. SERVITUDE OR ROW MAPS INDICATING DEDICATION OR TRANSFER MUST BE EXECUTED PRIOR TO ACCEPTANCE. DITTO FOR RVOCATION OF EXISTING.



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WWW.FERRISINC.COM

Client:

CARMOUCHE CONSTRUCTION

10343 SIEGEN LANE, BLDG. #2-A
BATON ROUGE, LOUISIANA 70810

Project:

THE GROVE
DAWSON CREEK
RELOCATION

Title:

GENERAL GRADING LAYOUT DAWSON CREEK STA. 10+00 TO 39+00

Description:

LOCATED IN SECTIONS 55, 56 & 57, TOWNSHIP 8 SOUTH, RANGE 1 EAST, GREENSBURG LAND DISTRICT, EAST BATON ROUGE PARISH, LOUISIANA

DWG Path:

Revisions:

No.	Date	Description

Stamp:

STATE OF LOUISIANA
CLINT U. KENNERLY
License No. 36776
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

4.19.18

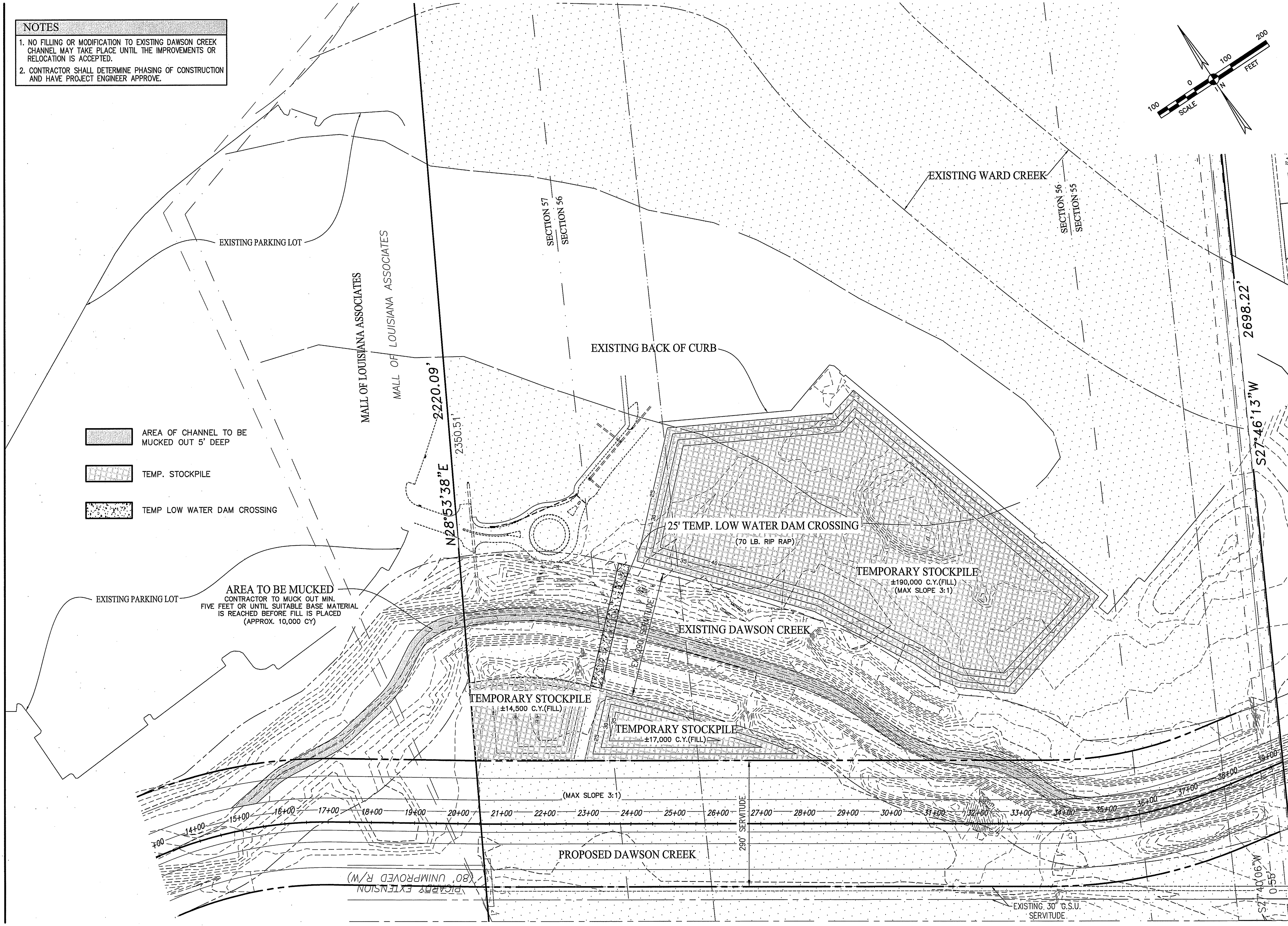
Date:	APRIL 2018
Project No.:	05-016
Drawn By:	BMB
Cadfile:	05-016_GRADING
Drawing No.:	3

Sheet:

3 OF 10

NOTES

1. NO FILLING OR MODIFICATION TO EXISTING DAWSON CREEK CHANNEL MAY TAKE PLACE UNTIL THE IMPROVEMENTS OR RELOCATION IS ACCEPTED.
2. CONTRACTOR SHALL DETERMINE PHASING OF CONSTRUCTION AND HAVE PROJECT ENGINEER APPROVE.



AREA OF CHANNEL TO BE MUCKED OUT 5' DEEP
TEMP. STOCKPILE
TEMP LOW WATER DAM CROSSING
SCALE
FEET
100
0
100
200
N
EXISTING PARKING LOT
EXISTING PARKING LOT
MALL OF LOUISIANA ASSOCIATES
MALL OF LOUISIANA ASSOCIATES
SECTION 57
SECTION 56
SECTION 56
SECTION 55
EXISTING WARD CREEK
EXISTING BACK OF CURB
2220.09'
2350.51'
N28°53'38"E
2698.22'
S27°46'13"W
25' TEMP. LOW WATER DAM CROSSING
(70 LB. RIP RAP)
TEMPORARY STOCKPILE
±190,000 C.Y.(FILL)
(MAX SLOPE 3:1)
AREA TO BE MUCKED
CONTRACTOR TO MUCK OUT MIN. FIVE FEET OR UNTIL SUITABLE BASE MATERIAL IS REACHED BEFORE FILL IS PLACED (APPROX. 10,000 CY)
EXISTING DAWSON CREEK
TEMPORARY STOCKPILE
±14,500 C.Y.(FILL)
TEMPORARY STOCKPILE
±17,000 C.Y.(FILL)
(MAX SLOPE 3:1)
14+00
15+00
16+00
17+00
18+00
19+00
20+00
21+00
22+00
23+00
24+00
25+00
26+00
27+00
28+00
29+00
30+00
31+00
32+00
33+00
34+00
35+00
36+00
37+00
38+00
39+00
290' SERVITUDE
PROPOSED DAWSON CREEK
PICARDY EXTENSION
(80' UNIMPROVED R/W)
EXISTING 30' G.S.U. SERVITUDE
S27°40'06"W
TRACT "A"

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Client:
CARMOUCHE CONSTRUCTION
10343 SIEGEN LANE, BLDG. #2-A
BATON ROUGE, LOUISIANA 70810

Project:
THE GROVE
DAWSON CREEK RELOCATION

Title:
TEMP. STOCKPILE LAYOUT
DAWSON CREEK STA. 10+00 TO 39+00

Description:
LOCATED IN SECTIONS 55, 56 & 57, TOWNSHIP 8 SOUTH, RANGE 1 EAST, GREENSBURG LAND DISTRICT, EAST BATON ROUGE PARISH, LOUISIANA

Revisions:

No.	Date	Description

Stamp:
STATE OF LOUISIANA
CLINT J. KENNERLY
License No. 36776
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
4/19/18

Date:	APRIL 2018
Project No.:	05-016
Drawn By:	BMB
Cadfile:	05-016_GRADING
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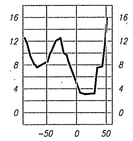
Sheet:
3A OF 10

11+00



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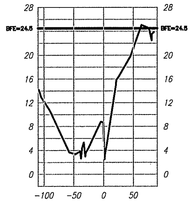

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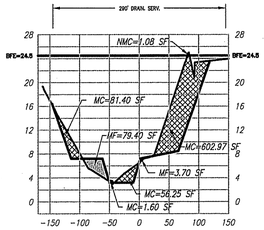

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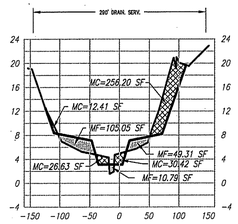

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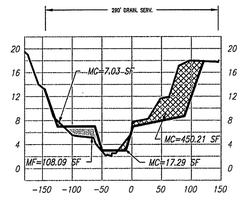

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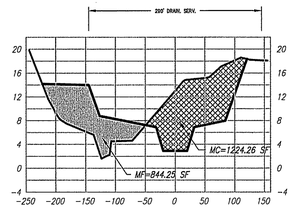

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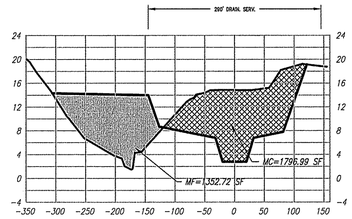

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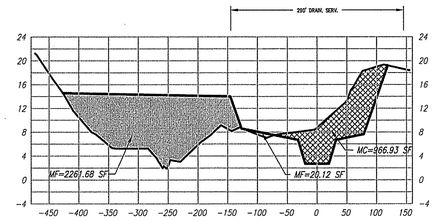

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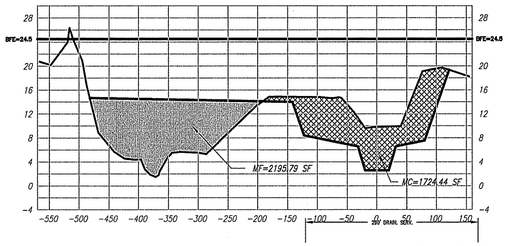

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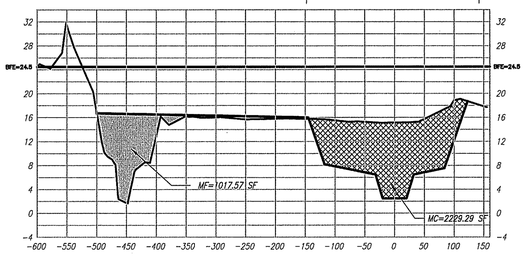

LEGEND:

- MITIGATIBLE CUT (MC)
- MITIGATIBLE FILL (MF)
- NON-MITIGATIBLE CUT (NMC)
- NON-MITIGATIBLE FILL (NMF)

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Client:
CARMOUCHE CONSTRUCTION

10343 SIEGEN LANE, BLDG. #2-A
BATON ROUGE, LOUISIANA 70810

Project:
THE GROVE
DAWSON CREEK
RELOCATION

Title:
MITIGATION CROSS SECTIONS
STA. 11+00 to STA. 20+00

Description:
LOCATED IN SECTIONS 55, 56 & 57, TOWNSHIP 8 SOUTH, RANGE 1 EAST, AND SECTIONS 36, 37 & 60, TOWNSHIP 7 SOUTH, RANGE 1 EAST, GREENSBURG LAND DISTRICT, EAST BATON ROUGE PARISH, LOUISIANA

DWG Path: L:\05-016\The Grove Prel_Topo\Dwg\Plans\005-016_GRADING.dwg 5/24/2008 4:10:01 PM CDT

Revisions:

No.	Date	Description

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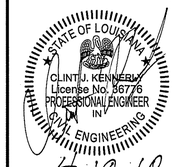

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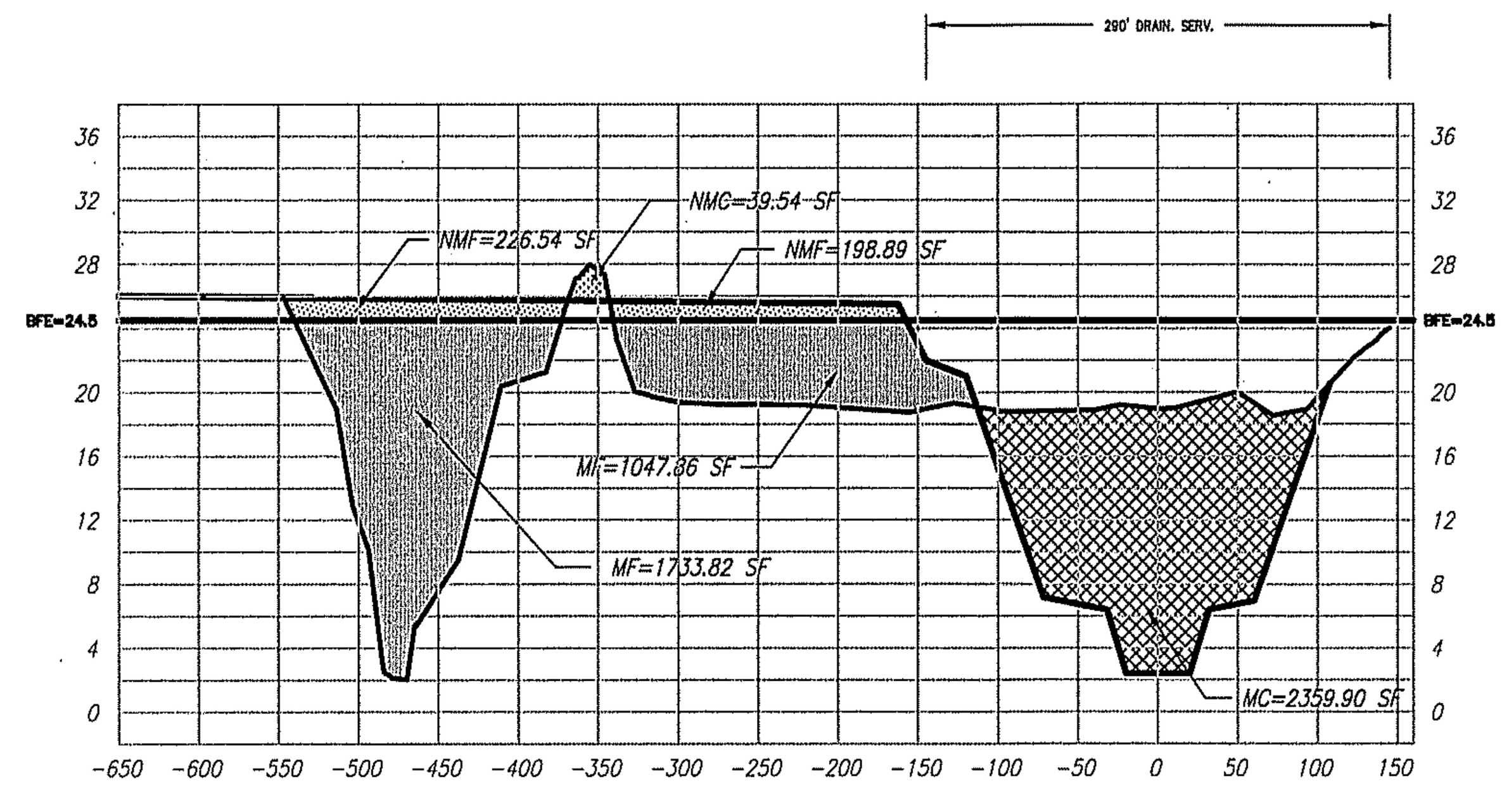
Project No.:	05-016
Drawn By:	BMB
Cadfile:	05-016_GRADING
Drawing No.:	3

Sheet: 4 OF 10

21+00



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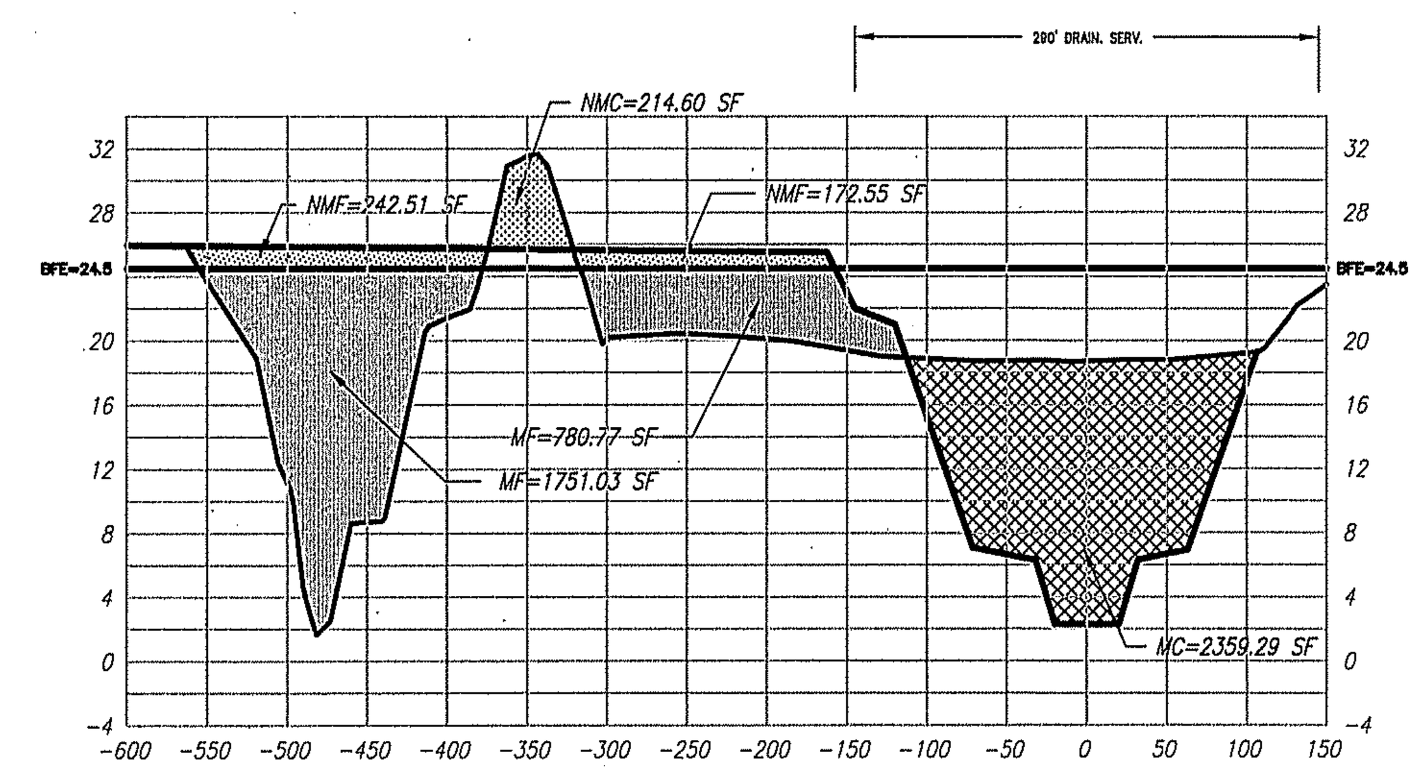

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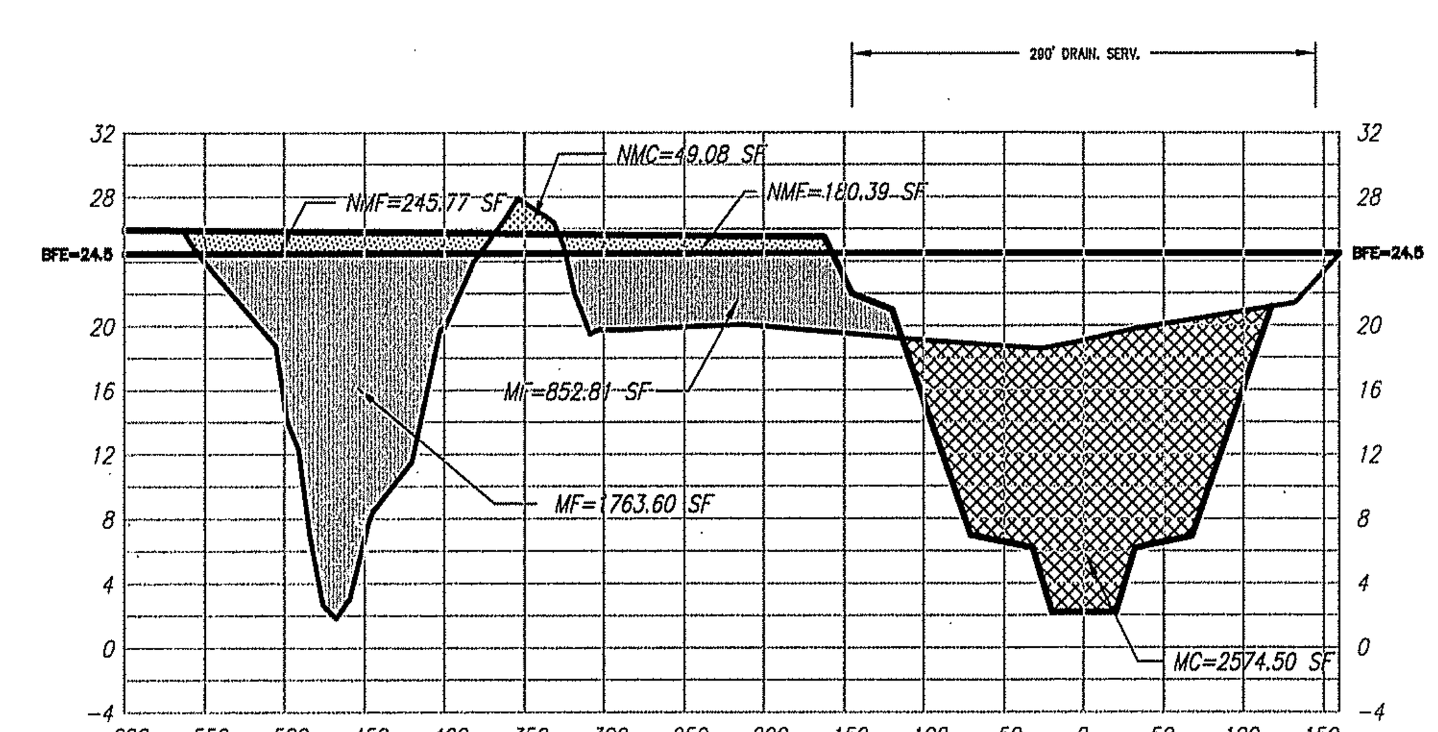

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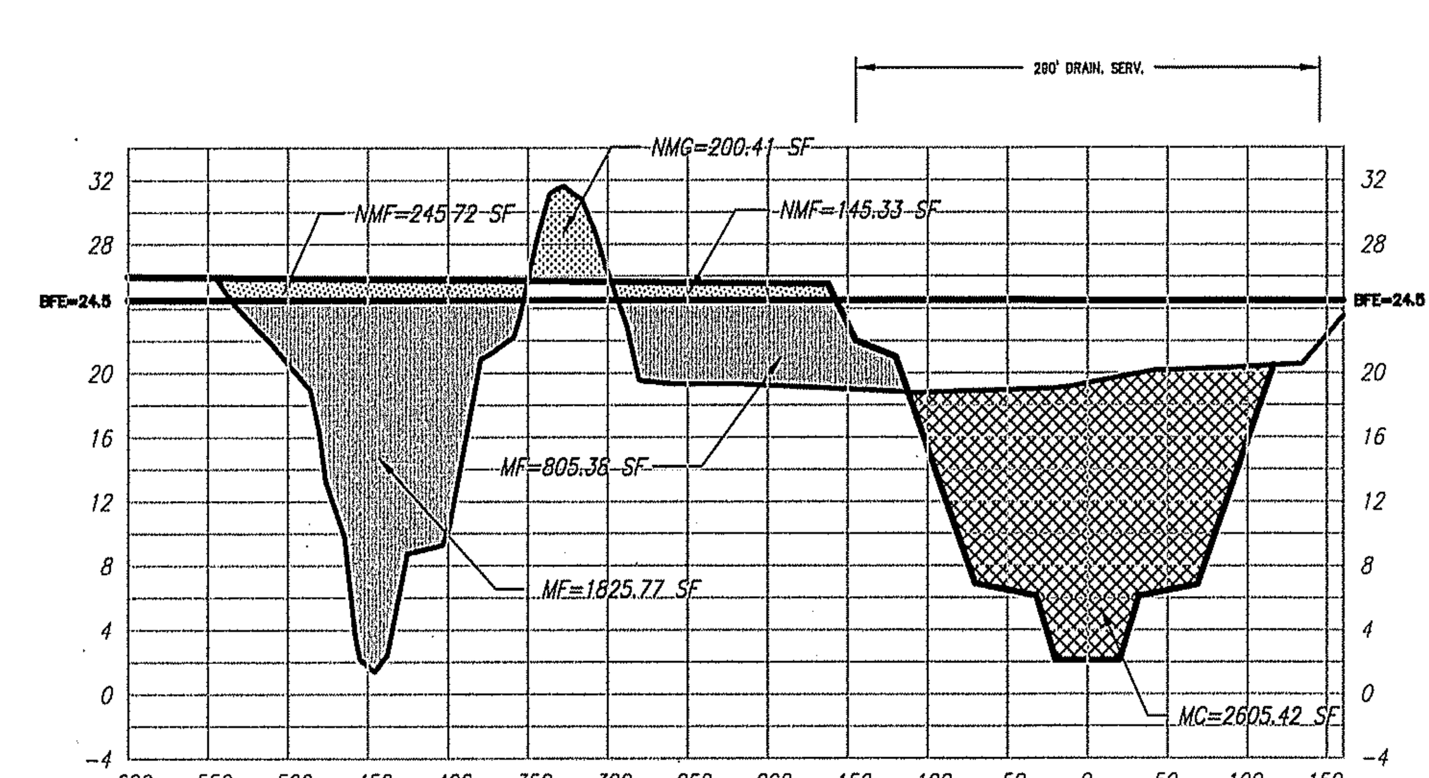

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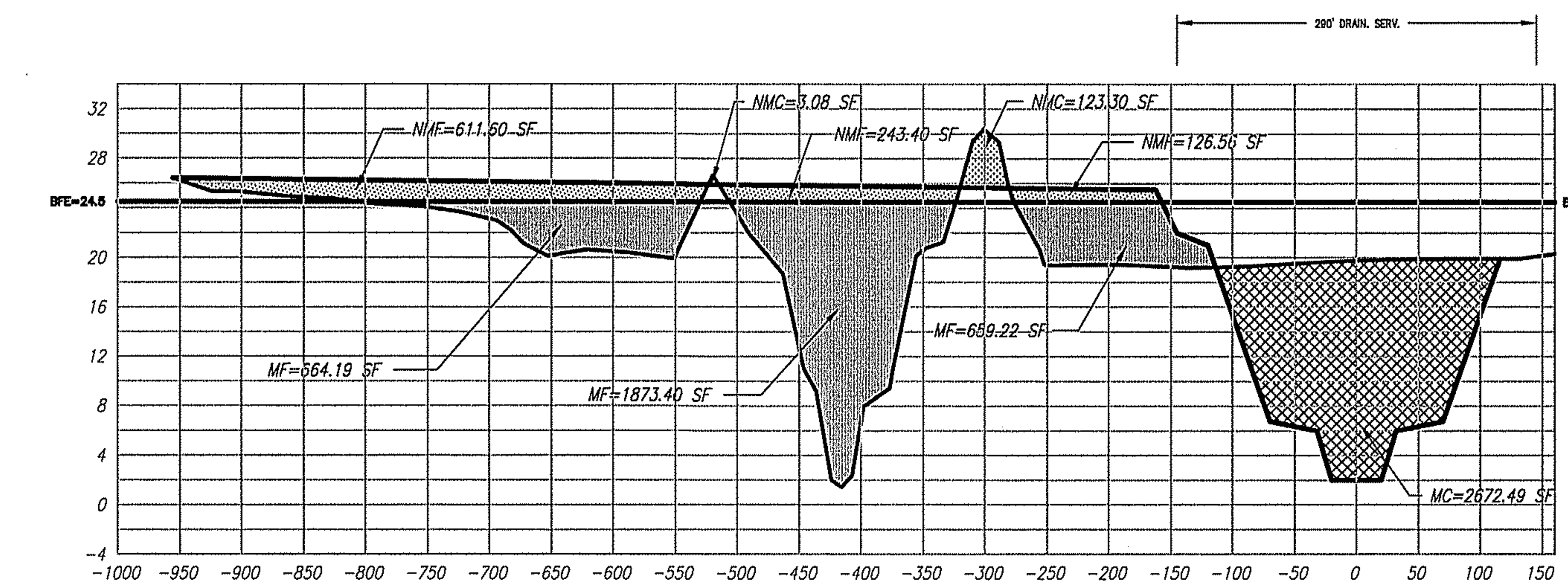

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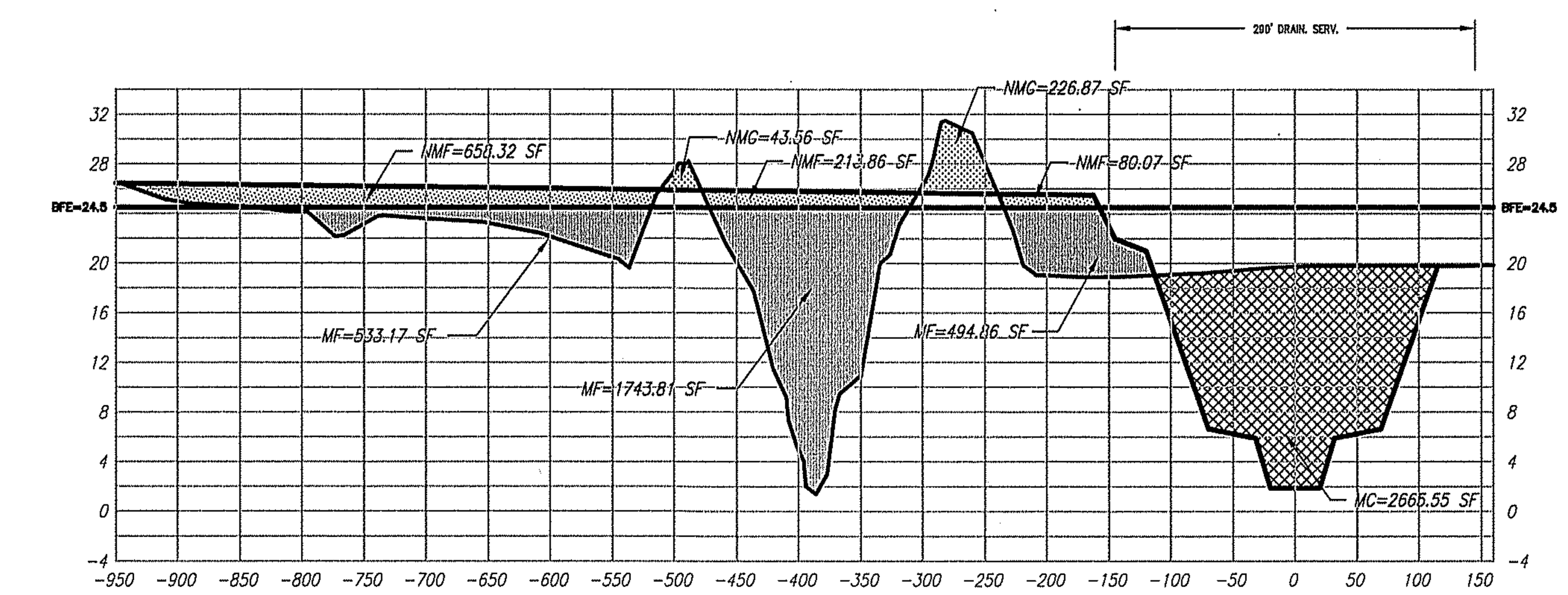
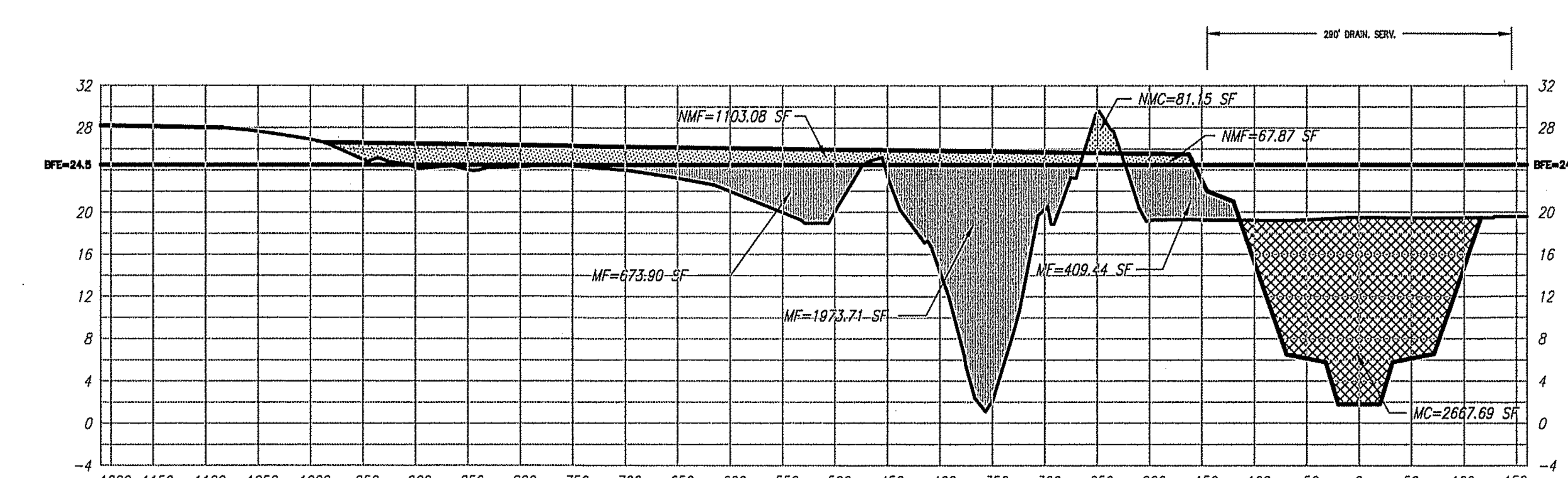


27+00



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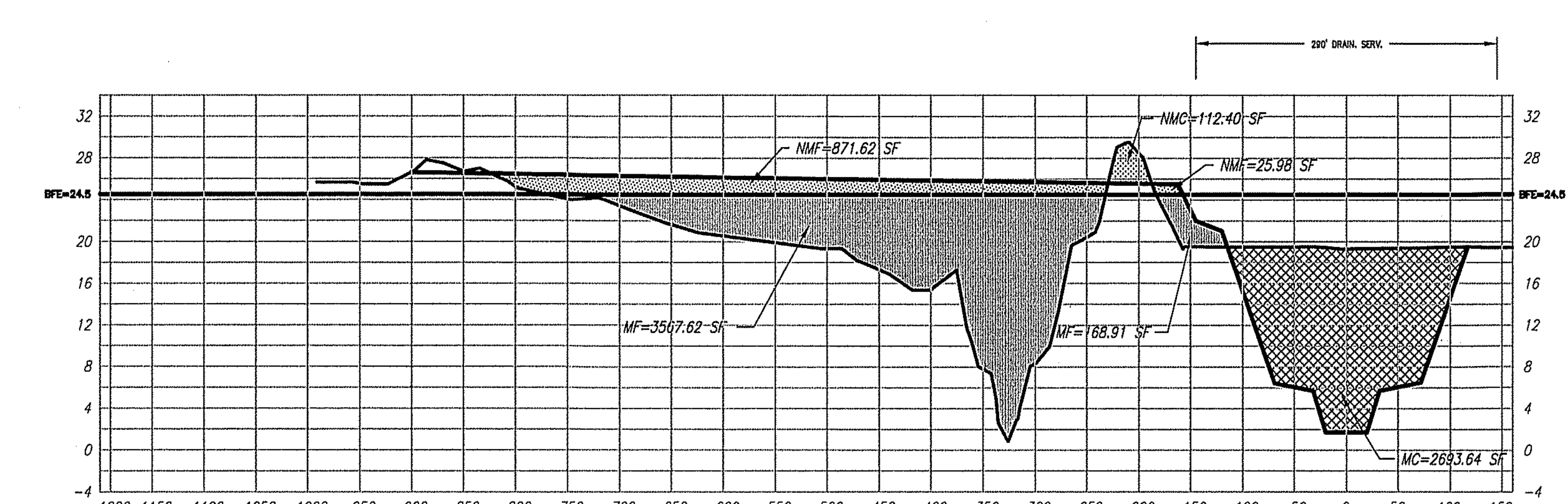

LEGEND:

- MITIGATIBLE CUT (MC)
- MITIGATIBLE FILL (MF)
- NON-MITIGATIBLE CUT (NMC)
- NON-MITIGATIBLE FILL (NMF)

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WWW.FERRISINC.COM

Client:
CARMOUCHE CONSTRUCTION
10343 SIEGEN LANE, BLDG. #2-A
BATON ROUGE, LOUISIANA 70810

Project:
THE GROVE
DAWSON CREEK RELOCATION

Title:
MITIGATION CROSS SECTIONS
STA. 21+00 to STA. 28+00

Description:
LOCATED IN SECTIONS 55, 56 & 57, TOWNSHIP 8 SOUTH, RANGE 1 EAST, AND SECTIONS 58, 59 & 60, TOWNSHIP 7 SOUTH, RANGE 1 EAST, GREENSBURG LAND DISTRICT, EAST BATON ROUGE PARISH, LOUISIANA

DWG Path: L:\05-016The Grove Prel_Topo\dwg\Plans\05-016_GRADING.dwg 5/24/2006 4:02:01 PM CDT

Revisions:

No.	Date	Description

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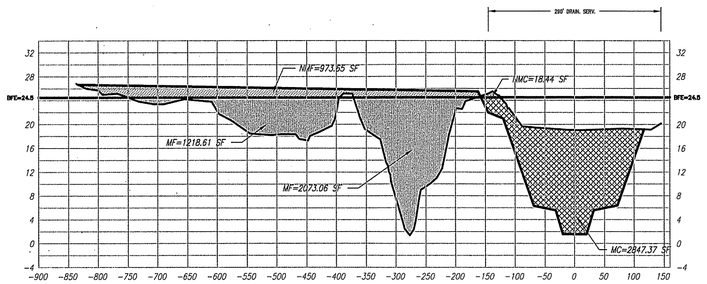
CLINT J. KENNERLY
License No. 36776
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
4.19.18

Date:	APRIL 2018
Project No.:	05-016
Drawn By:	BMB
Cadfile:	05-016_GRADING
Drawing No.:	3

Sheet: 5 OF 10

29+00



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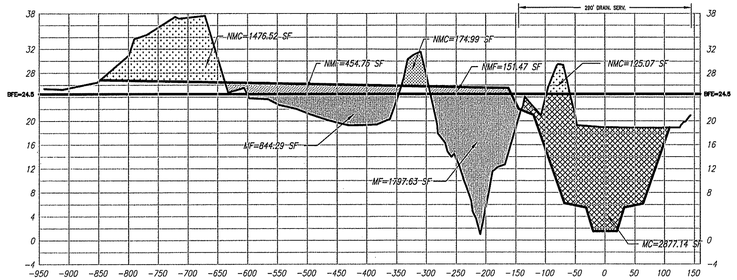

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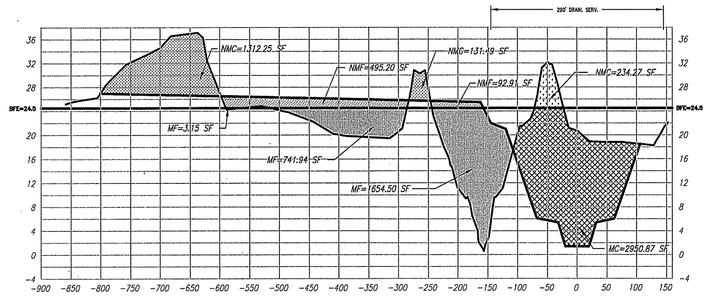

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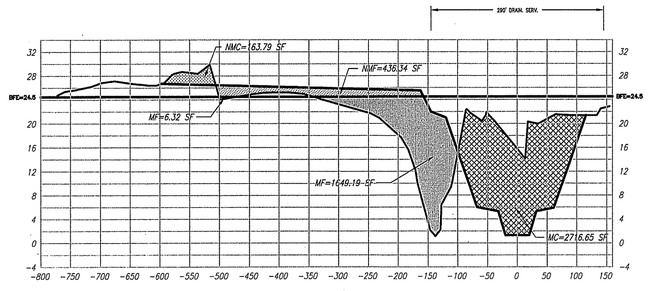

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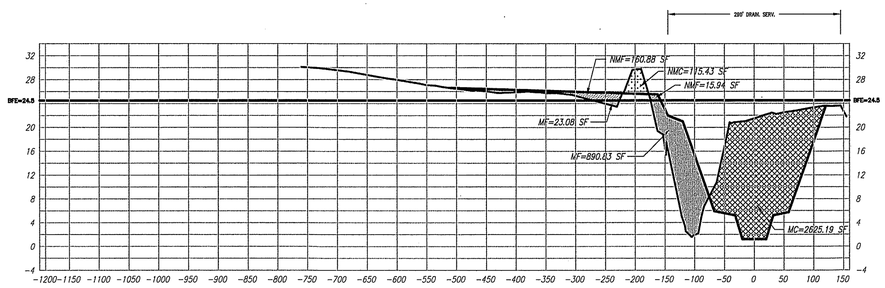

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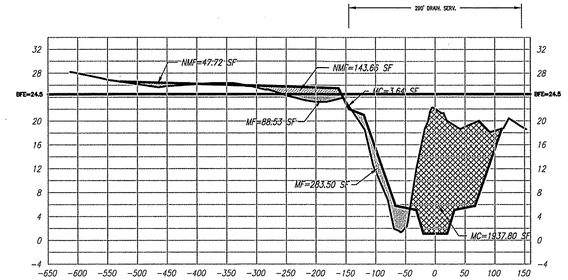

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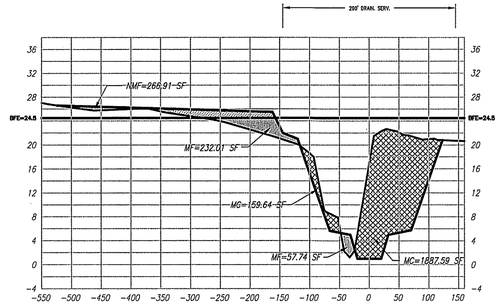

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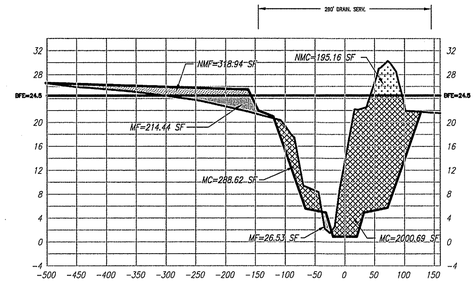

LEGEND:

- MITIGATIBLE CUT (MC)
- MITIGATIBLE FILL (MF)
- NON-MITIGATIBLE CUT (NMC)
- NON-MITIGATIBLE FILL (NMF)

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Client:
CARMOUCHE CONSTRUCTION

10343 SIEGEN LANE, BLDG. #2-A
BATON ROUGE, LOUISIANA 70810

Project:
THE GROVE
DAWSON CREEK
RELOCATION

Title:
MITIGATION CROSS SECTIONS
STA. 29+00 to STA. 36+00

Description:
LOCATED IN: SECTIONS 55, 56 & 57, TOWNSHIP 8 SOUTH, RANGE 1 EAST, AND SECTIONS 5 & 6, TOWNSHIP 7 SOUTH, RANGE 1 EAST
GREENSBURG LAND DISTRICT, EAST BATON ROUGE PARISH, LOUISIANA

DWG Path: L:\05-016\the Grove Prel_Topo\Vies\Plans\05-016_GRADING.dwg 5/24/2006 4:10:01 PM CDT

Revisions:

No.	Date	Description

Stamp:
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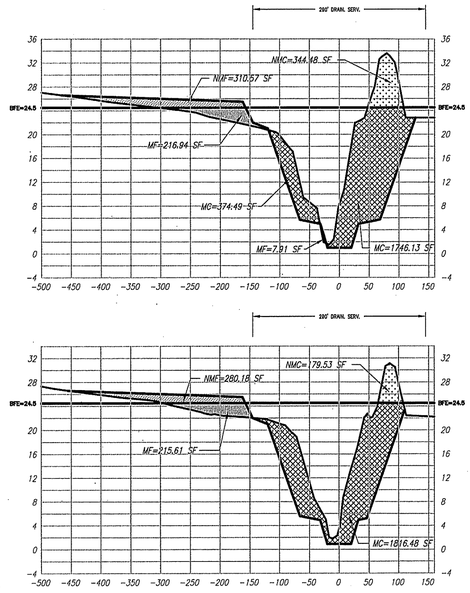
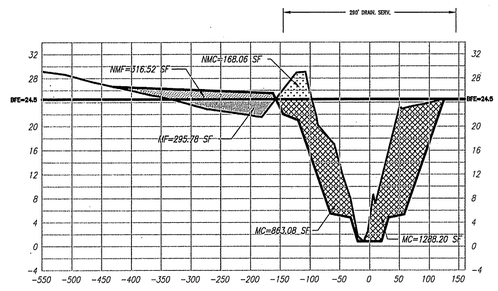
License No. 36776
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
4.19.18

Date:	APRIL 2018
Project No.:	05-016
Drawn By:	BMB
Cadfile:	05-016_GRADING
Drawing No.:	3

Sheet: 6 OF 10





37+00

38+00

39+00

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PROJECT: Dawson Creek Relocation
JOB NO.: 05-016D

PROPOSED MITIGATION CALCULATIONS
BASED ON THE AVERAGE END AREA METHOD

FROM STA.	TO STA.	AREA M.F. (S.F.)	VOLUME M.F. (C.Y.)	CUM. M.F. (C.Y.)	AREA M.C. (S.F.)	VOLUME M.C. (C.Y.)	CUM. M.C. (C.Y.)	AREA N.M.F. (S.F.)	VOLUME N.M.F. (C.Y.)	CUM. N.M.F. (C.Y.)	AREA N.M.C. (S.F.)	VOLUME N.M.C. (C.Y.)	CUM. N.M.C. (C.Y.)
	1100	0.0			0.0			0.0			0.0		
1100	1200	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1200	1300	83.1	153.9	153.9	742.2	1374.4	1374.4	0.0	0.0	0.0	1.1	2.0	2.0
1300	1400	165.2	459.7	613.6	325.7	1977.6	3352.0	0.0	0.0	0.0	0.0	2.0	4.1
1400	1500	108.1	506.0	1119.6	474.5	1481.9	4833.9	0.0	0.0	0.0	0.0	0.0	4.1
1500	1600	844.3	1763.6	2883.2	1224.3	3145.9	7965.0	0.0	0.0	0.0	0.0	0.0	4.1
1600	1700	1352.7	4068.5	6951.7	1797.0	5594.9	13559.9	0.0	0.0	0.0	0.0	0.0	4.1
1700	1800	2281.8	6730.6	13682.3	966.9	5118.4	18678.3	0.0	0.0	0.0	0.0	0.0	4.1
1800	1900	2195.8	8291.8	21974.1	1724.4	4984.0	23662.3	0.0	0.0	0.0	0.0	0.0	4.1
1900	2000	1017.6	6109.9	28084.0	2229.3	7321.7	26000.0	0.0	0.0	0.0	0.0	0.0	4.1
2000	2100	2781.7	9217.6	37301.6	2359.9	8498.5	32160.8	425.4	787.8	787.8	39.5	73.2	77.3
2100	2200	2531.8	9839.8	47141.4	2359.3	8739.2	40900.0	415.1	1556.5	2344.3	214.6	470.6	547.9
2200	2300	2616.4	9533.7	56675.1	2574.5	9136.6	50036.7	426.2	1558.0	3902.2	49.1	488.3	1036.2
2300	2400	2631.1	9717.6	66392.7	2605.4	9592.4	59629.1	391.1	1513.5	5415.7	200.4	462.0	1498.2
2400	2500	3196.8	10792.4	77185.1	2672.5	9773.9	69403.0	981.6	2542.0	7957.8	126.4	605.2	2103.4
2500	2600	2771.8	11053.0	88238.1	2665.6	9885.3	79288.3	952.2	3581.1	11538.9	270.4	734.8	2838.2
2600	2700	3057.0	10794.1	99032.2	2667.7	9876.4	89164.7	1171.0	3931.9	15470.7	81.2	651.1	3489.3
2700	2800	3736.5	12580.6	111612.7	2693.6	9928.4	99093.1	897.6	3830.7	19301.5	112.4	358.4	3847.7
2800	2900	3291.7	13015.2	124627.9	2847.4	10261.2	109354.2	973.7	3465.4	22766.9	18.4	242.2	4090.0
2900	3000	2641.9	10988.1	135616.1	2877.1	10600.9	119955.2	606.2	2925.7	25692.6	1776.6	3324.1	7414.0
3000	3100	2396.4	9330.2	144946.2	2950.9	10792.6	130747.8	588.1	2211.7	27904.3	1678.0	6397.4	13811.4
3100	3200	1655.5	7503.5	152449.8	2716.7	10495.5	141243.2	436.3	1897.0	29801.3	163.8	3410.7	17222.2
3200	3300	913.9	4758.1	157207.9	2625.2	9892.3	151135.5	176.8	1135.4	30936.7	115.4	517.1	17739.2
3300	3400	372.0	2381.3	159589.2	1941.4	8456.7	159592.2	143.7	593.5	31530.2	0.0	213.8	17953.0
3400	3500	289.7	1225.4	160814.6	2047.2	7386.4	166978.7	266.9	760.4	32290.6	0.0	0.0	17953.0
3500	3600	241.0	982.8	161797.4	2289.3	8030.6	175009.3	318.9	1084.8	33375.4	195.2	361.5	18314.5
3600	3700	224.8	862.6	162659.9	2120.6	8166.5	183175.8	310.6	1165.7	34541.1	344.5	999.4	19313.9
3700	3800	215.6	815.6	163475.5	1816.5	7290.9	190466.7	280.2	1094.1	35635.2	179.5	970.4	20284.3
3800	3900	295.8	947.0	164422.5	2151.3	7347.8	197814.5	316.5	1105.0	36740.2	168.1	643.7	20928.0

M.F. = MITIGATIBLE FILL		Total Cut	218742.4630
M.C. = MITIGATIBLE CUT		Total Fill	201162.7222
N.M.F. = NON-MITIGATIBLE FILL			
N.M.C. = NON-MITIGATIBLE CUT			

LEGEND:
- MITIGATIBLE CUT (MC)
- MITIGATIBLE FILL (MF)
- NON-MITIGATIBLE CUT (NMC)
- NON-MITIGATIBLE FILL (NMF)

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WWW.FERRISINC.COM

Client:
CARMOUCHE CONSTRUCTION

10343 SIEGEN LANE, BLDG. #2-A
BATON ROUGE, LOUISIANA 70810

Project:
THE GROVE
DAWSON CREEK RELOCATION

Title: MITIGATION CROSS SECTIONS STA. 37+00 to STA. 39+00

Description: LOCATED IN SECTIONS 55, 56 & 57, TOWNSHIP 8 SOUTH, RANGE 1 EAST, AND SECTIONS 55, 56 & 57, TOWNSHIP 8 SOUTH, RANGE 1 WEST, GREENSBURG LAND DISTRICT, EAST BATON ROUGE PARISH, LOUISIANA

DWG Path: L:\05-016\The Grove Prel_Topo\dwg\Plans\(05-016_GRADING.dwg 5/24/2006 4:10:01 PM CDT

Revisions:

No.	Date	Description

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CLINT J. KENNERLY
License No. 36776
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
4-19-18

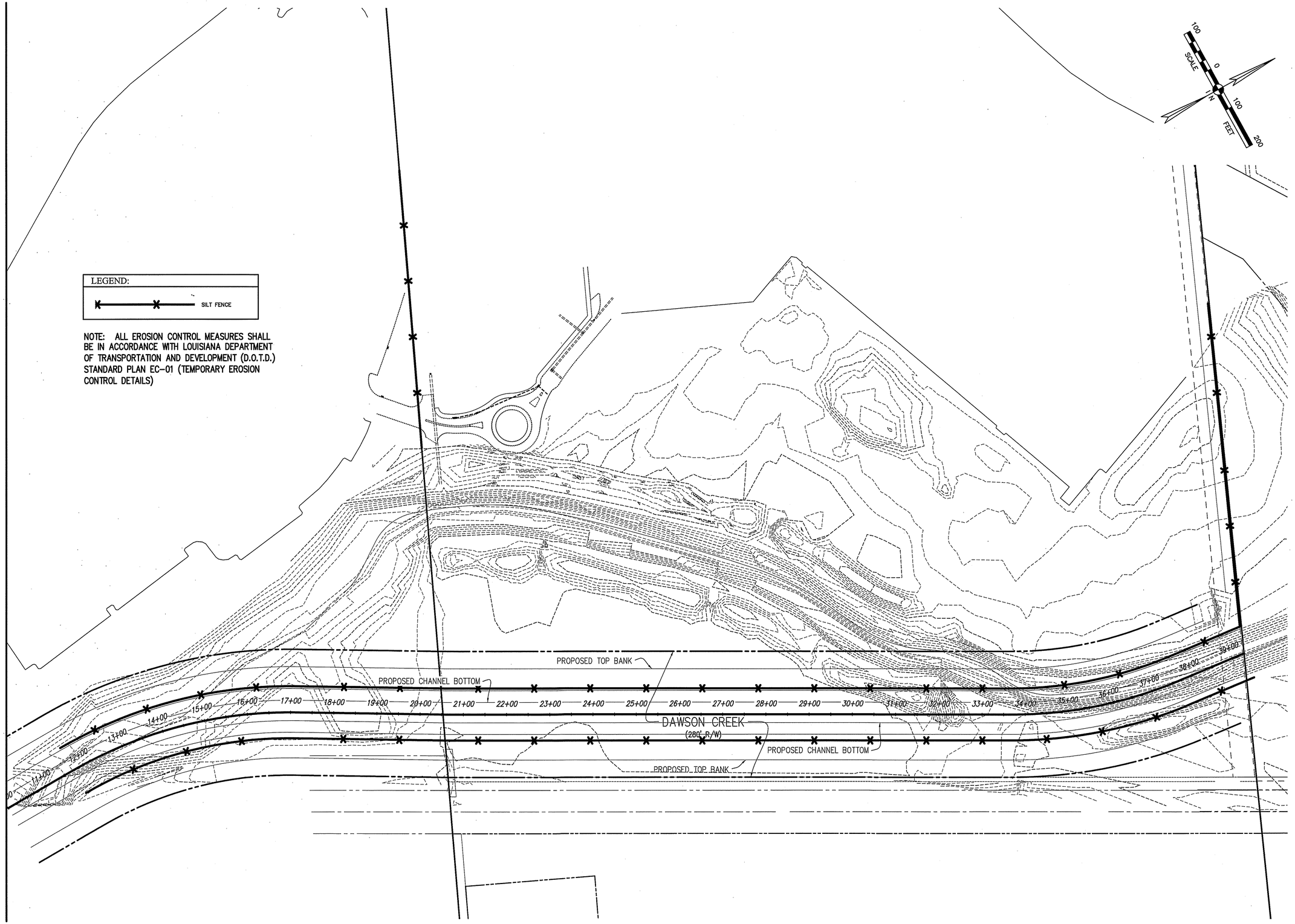
Date: APRIL 2018
Project No.: 05-016
Drawn By: BMB
Cadfile: 05-016_GRADING
Drawing No.: 3

Sheet: 7 OF 10

LEGEND:

SILT FENCE

NOTE: ALL EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT (D.O.T.D.) STANDARD PLAN EC-01 (TEMPORARY EROSION CONTROL DETAILS)



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Client:
CARMOUCHE CONSTRUCTION

10343 SIEGEN LANE, BLDG. #2-A
BATON ROUGE, LOUISIANA 70810

Project:
THE GROVE
DAWSON CREEK
RELOCATION

Title:
EROSION & SEDIMENTATION CONTROL PLAN

Description:
LOCATED IN SECTIONS 55, 56 & 57, TOWNSHIP 8 SOUTH, RANGE 1 EAST, AND SECTIONS 7 & 8, TOWNSHIP 9 SOUTH, RANGE 1 EAST, GREENSBURG LAND DISTRICT, EAST BATON ROUGE PARISH, LOUISIANA

DWG Path:

Revisions:

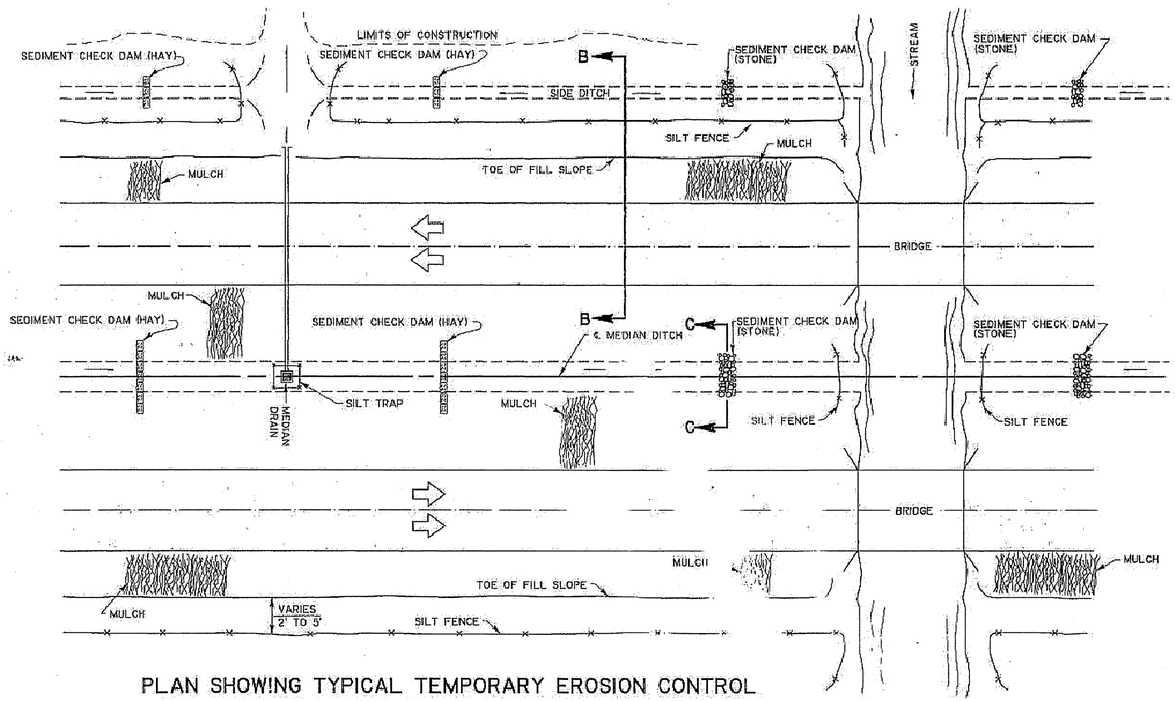
No.	Date	Description

Stamp:

STATE OF LOUISIANA
CLINT J. KENNERLY
License No. 36776
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
4.19.18

Date:	APRIL 2018
Project No.:	05-016
Drawn By:	BMB
Cadfile:	05-016_SWPPP
Drawing No.:	5

Sheet:
8 OF 10

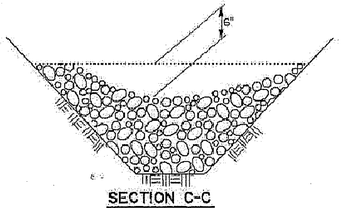


PLAN SHOWING TYPICAL TEMPORARY EROSION CONTROL

MULCHES

Mulches are the application of mats of material placed on the soil surface to prevent erosion by protecting the soil surface from raindrop impact and to reduce the velocity of overland flow. Mulches can be organic or synthetic. Mulches shall be in accordance with subsection 1018.19 of the LA DOTD Standard Specifications. A few guidelines for the use of Mulches are:

1. Use on cut and embankment slopes which have not been completed to plan grade or where the weather or soil conditions will not permit completing them within a reasonable time;
2. Use on cleared , grubbed, and scalped areas where soil erosion is likely to occur;
3. Use with temporary seeding.



SECTION C-C

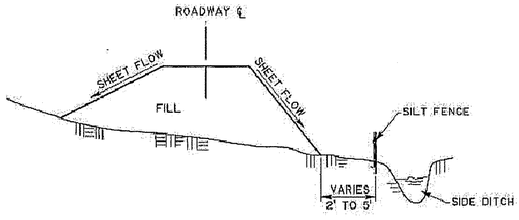
TEMPORARY SEDIMENT CHECK DAM (STONE)

PAY ITEM: 204(05)(B), TEMPORARY SEDIMENT CHECK DAM (STONE)

NOTES:

A stone check dam is a small temporary dam constructed across a swale or drainage ditch. The purpose of this measure is to reduce the velocity of concentrated stormwater flows, thereby reducing erosion of the swale or ditch. The stone check dam will trap small amounts of sediments generated in the ditch itself, however it should not be used as a sediment trapping device. A few basic design guidelines for the use of Stone Check Dams are:

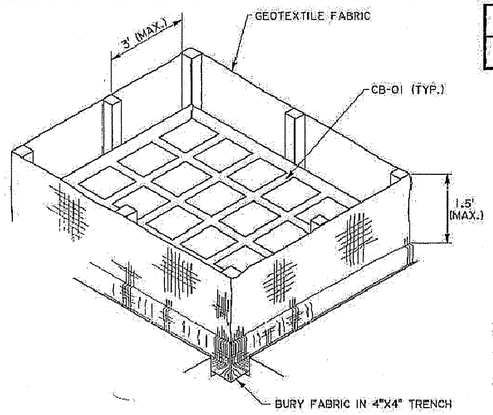
1. Use in small open channels which drain 10 acres or less;
2. Do not use in a live stream;
3. Use in a temporary ditch or swale which, because of their short length of service, cannot receive a non-erodible lining;
4. Use in permanent ditches or swales which will not receive a permanent lining for an extended period of time;
5. Use in temporary or permanent ditches or swales which need protection during the establishment of grass linings.
6. For stone specifications see subsection 711.02(a)(Class 2LB.) of the LA DOTD Standard Specifications.



SECTION B-B

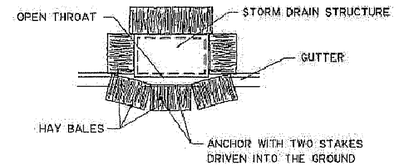
TEMPORARY SILT FENCE APPLICATION

(FOR CONSTRUCTION DETAILS AND SPECIFICATIONS SEE SHEET 2 OF 2.)



ISOMETRIC VIEW SHOWING GEOTEXTILE FABRIC

(BACKFILL SOIL NOT SHOWN)

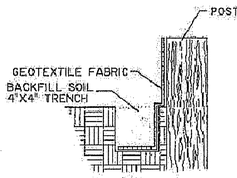


PLAN SHOWING HAY BALES

PAY ITEM: 204(02), TEMPORARY BALED HAY OR STRAW

TEMPORARY INLET SILT TRAP

F.A.P.	STATE PROJECT	PARISH	SHEET NO.

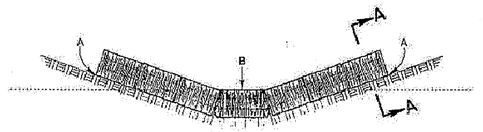


SECTION THRU TRENCH SHOWING GEOTEXTILE FABRIC

NOTES:

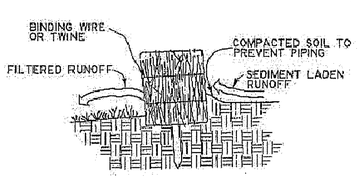
The temporary drop inlet sill trap is to be used for small drainage areas (less than 1 acre) where the storm drain is functional before the area is stabilized. The trap can be either geotextile fabric or hay bales.

1. The geotextile fabric shall conform to Section 1019 (Type G) of the LA DOTD Standard Specifications.
2. Wooden stakes supporting the fabric shall be 2" x 2" or 2" x 4" with a minimum length of 3 feet. The stakes shall be spaced around the inlet at a maximum spacing of 3 feet.
3. The height of the fabric above the inlet shall be limited to 1.5' and the bottom of the fabric shall be buried in a trench approximately 4" wide by 4" deep. The fabric shall be stapled to the post with ½" staples.
4. The trap should be inspected regularly and after each storm. The sediment should be removed and make sure each stake is firmly in the ground.



POINTS A SHOULD BE HIGHER THAN POINT B.

ELEVATION



SECTION A-A

TEMPORARY SEDIMENT CHECK DAM (HAY)

PAY ITEM: 204(05)(A), TEMPORARY SEDIMENT CHECK DAM (HAY)

NOTES:

A hay bale barrier is a temporary sediment barrier consisting of a row of entrenched and anchored bales of straw or hay. The hay bale barrier is also used as a check dam to reduce the velocity in small ditches or swales. The hay bales shall be in accordance with LA DOTD Standard Specifications, Section 204. A few basic design guidelines for the use of a Hay Bale Barrier are:

1. Use where erosion would occur in the form of sheet and rill erosion;
2. Use in minor swales or ditches where the maximum drainage area is 2 acres;
3. Only use where the effectiveness is required for less than 3 months;
4. Do not use in live streams or in swales or ditches where there is a possibility of a washout.

DATE	DESCRIPTION	BY
	REVISIONS	

STANDARD PLAN NO.	EC-01	SHEET 1 or 2

TEMPORARY EROSION CONTROL DETAILS

DATED January 14, 1994

STATE OF LOUISIANA
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

DESIGNED JCM	DETAILED KAJ	DGN. cadd/dgn/sldplans
CHECKED	CHECKED JCM	FILENAME ec01.dgn

Approved By Chief Engineer Original Signed by Chief Engineer Date

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ENGINEERING & SURVEYING, LLC
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LAND PLANNING
MUNICIPAL/HIGHWAY
11854 BRICKSOME AVENUE - BATON ROUGE, LA 70816
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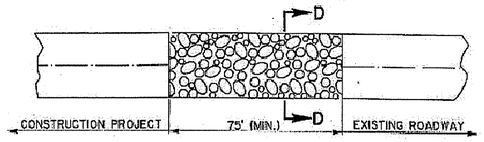
Date: DECEMBER 2008
Drawn By: DHM
Sheet: 9 OF 10

F.A.P.	STATE PROJECT	PARISH	SHEET NO.



PLAN

SECTION D-D

TEMPORARY STONE CONSTRUCTION ENTRANCE

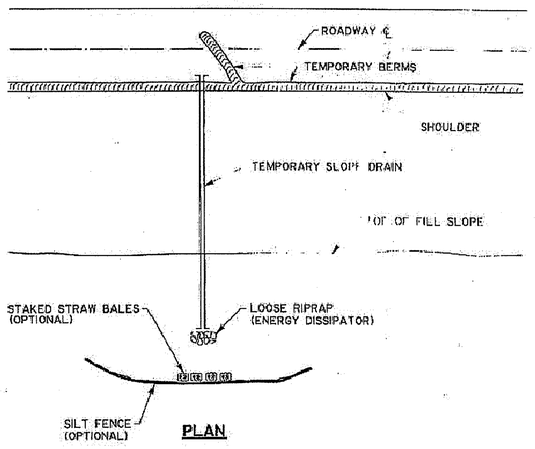
PAY AS "S - ITEM", TEMPORARY STONE CONSTRUCTION ENTRANCE

NOTES:

TEMPORARY STONE CONSTRUCTION ENTRANCE AND/OR WASH RACK

A stone stabilized pad located at points of vehicular ingress and egress on the construction site to reduce the amount of mud transported onto public roads. If the action of the vehicle traveling over the gravel pad is not sufficient to remove the majority of the mud, then the tires must be washed before the vehicle enters a public road. A few basic design guidelines for the use of a Stone Construction Entrance and/or Wash Racks are:

1. The stone layer must be at least 6 inches thick;
2. The stone shall conform to Section 711(02)(Class 2LB) of the LA DOTD Standard Specifications;
3. The length of the pad must be at least 75 feet and it must extend the full width of the vehicular ingress and egress;
4. A geotextile fabric underliner is required. The geotextile fabric shall be in accordance with Section 1019 (Type D) of the LA DOTD Standard Specifications;
5. If a wash rack is necessary, provisions must be made to intercept the wash water and trap the sediment before it is carried off-site.



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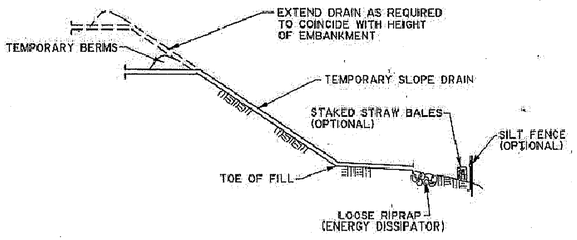


ELEVATION

TEMPORARY SLOPE DRAIN

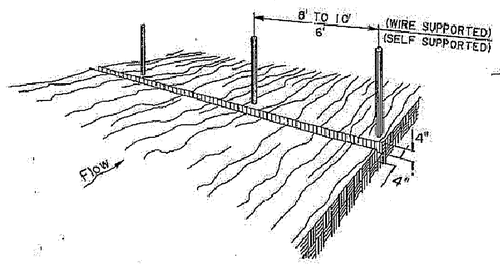
NOTES:

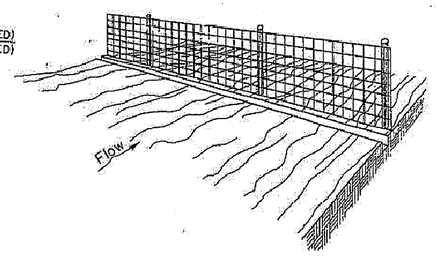
A temporary slope drain is a device used to carry water from the construction work area to a lower elevation. Slope drains may be plastic sheets, metal or plastic pipe, stone gutters, fiber mats, or concrete or asphalt ditches. A few basic design guidelines for the use of a Temporary Slope Drain are:

1. The spacing of the slope drains varies with the road grade:
   For Grades: 0.0% - 2.0% use 500' spacing
   2.1% - 5.0% use 200' "
   Greater than 5.0% use 100' "
2. Slope drain material: Smooth pipe - 8" minimum
   Corrugated pipe - 12" minimum
   Plastic sheeting - 4' wide minimum
   " - 3 mils thick min.
3. Plastic sheeting can be staked down or weighted with rocks or logs. The area under the sheeting should be shaped to provide an adequate channel.
4. The outlet end should be protected or have some means of dissipating energy. The flow should be directed through a sediment trap such as a silt fence or hay bales.
5. To insure proper operation, temporary slope drains should be inspected regularly and after each storm, for clogging or displacement. Erosion at the outlet should be checked and the silt traps cleaned if necessary.

1. SET POSTS AND EXCAVATE A 4" X 4" TRENCH UPSLOPE ALONG THE LINE OF POSTS.

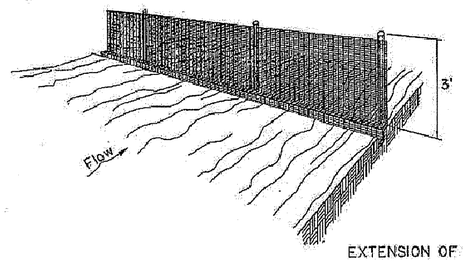
2. STAPLE WIRE FENCING TO THE POSTS.

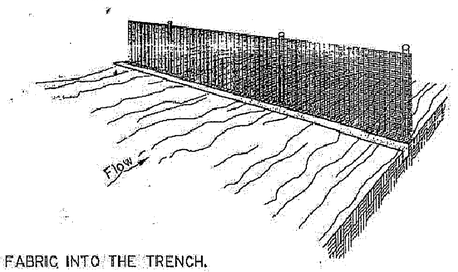




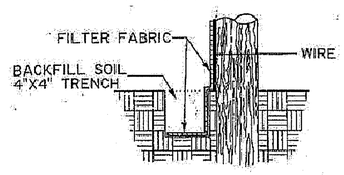
3. ATTACH THE FILTER FABRIC TO THE WIRE FENCE AND EXTEND IT INTO THE TRENCH.

4. BACKFILL AND COMPACT EXCAVATED SOIL.





EXTENSION OF FABRIC INTO THE TRENCH.



CONSTRUCTION OF TEMPORARY SILT FENCING

(WIRE SUPPORTED SILT FENCE IS SHOWN. SELF SUPPORTED SILT FENCE WILL BE CONSTRUCTED ACCORDING TO MANUFACTURERS SPECIFICATIONS.)

NOTES:

Silt fencing is a temporary sediment barrier consisting of a filter fabric supported by post and stretched across an area to intercept and detain small amounts of sediment. The silt fencing shall be in accordance with Section 204 of the LA DOTD Standard Specifications. A few basic guidelines for the use of Silt Fencing are:

1. Use where erosion would occur in the form of sheet and rill erosion;
2. Use where the maximum drainage area behind the silt fence is ¼ acre per 100 feet of silt fence length;
3. Use where the maximum slope length behind the barrier is 100 feet;
4. Use where the maximum gradient behind the barrier is 2:1;
5. Do not use silt fences in live streams or in ditches or swales where flows exceed one cubic foot per second.

DATE	DESCRIPTION	BY

REVISIONS

STANDARD PLAN NO. EC-01 | SHEET 2 of 2

CONTROL DETAILS

DATED January 14, 1994

STATE OF LOUISIANA
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

DESIGNED JCM	DETAILED KAJ	DGN. /cadd/dgn/stdplans
CHECKED	CHECKED JCM	FILENAME ec01.dgn

Approved By Chief Engineer Original Signed by Chief Engineer Date

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