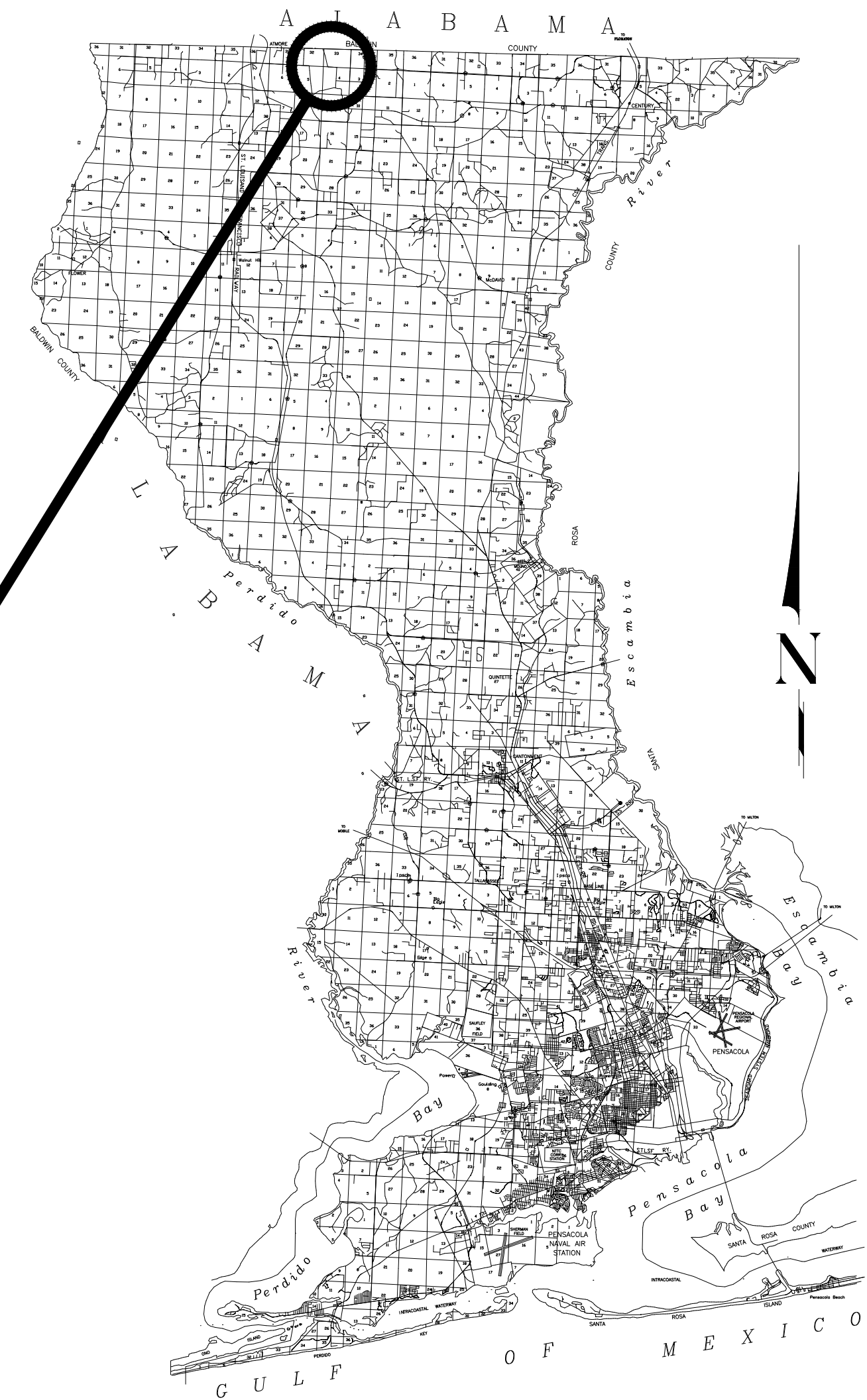




**BOARD OF COUNTY COMMISSIONERS
 ESCAMBIA COUNTY, FLORIDA
 PUBLIC WORKS DEPARTMENT
 ENGINEERING / INFRASTRUCTURE DIVISION**

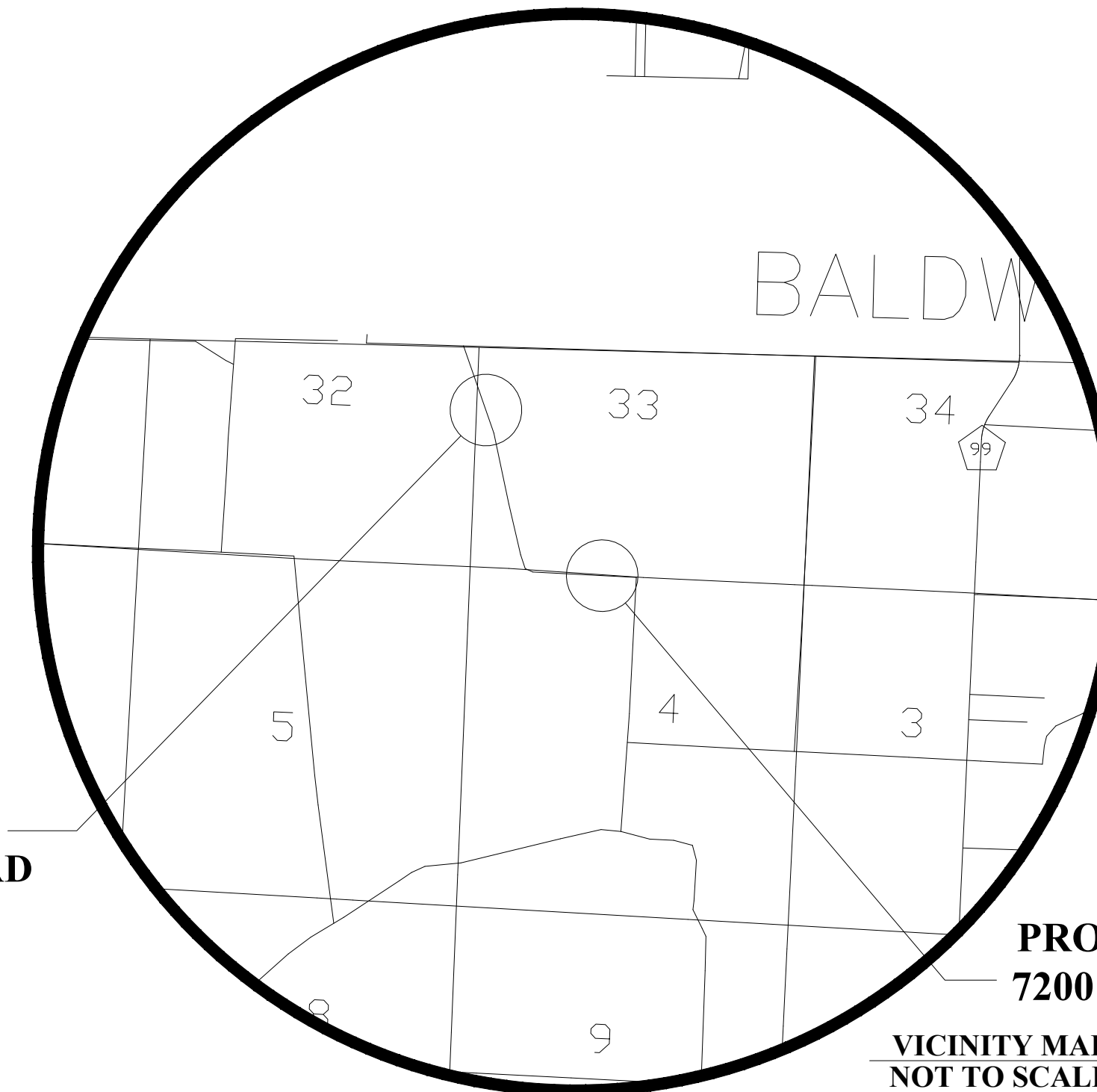
PD 20-21.067



INDEX OF PLANS

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14	TEMPORARY TRAFFIC CONTROL PLAN
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**PLANS PROPOSED FOR
 MCELHANEY ROAD
 CULVERT REPAIRS**



**PROJECT LOCATION -
 8000 MCELHANEY ROAD**

**PROJECT LOCATION -
 7200 MCELHANEY ROAD**

**VICINITY MAP
 NOT TO SCALE**

SECTION 4, 32, 33 TOWNSHIP 5N, 6N RANGE 32W

GOVERNING STANDARDS AND SPECIFICATION:
 FLORIDA DEPARTMENT OF TRANSPORTATION, STANDARD PLANS DATED FY 2023-24, THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION FY 2023-24, AS AMENDED BY CONTRACT DOCUMENTS, AND THE LATEST ESCAMBIA COUNTY TECHNICAL SPECIFICATIONS.

STANDARD PLANS FOR ROAD CONSTRUCTION AND ASSOCIATED IR'S ARE AVAILABLE AT THE FOLLOWING WEBSITE: [HTTP://WWW.FDOT.GOV/DESIGN/STANDARDPLANS.SHTM](http://www.fdot.gov/design/standardplans.shtm)

STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ARE AVAILABLE AT THE FOLLOWING WEBSITE: [HTTP://WWW.FDOT.GOV/DESIGN/PROGRAMMANAGEMENT/IMPLEMENTED/SPECBOOKS](http://www.fdot.gov/design/programmanagement/implemented/specbooks)

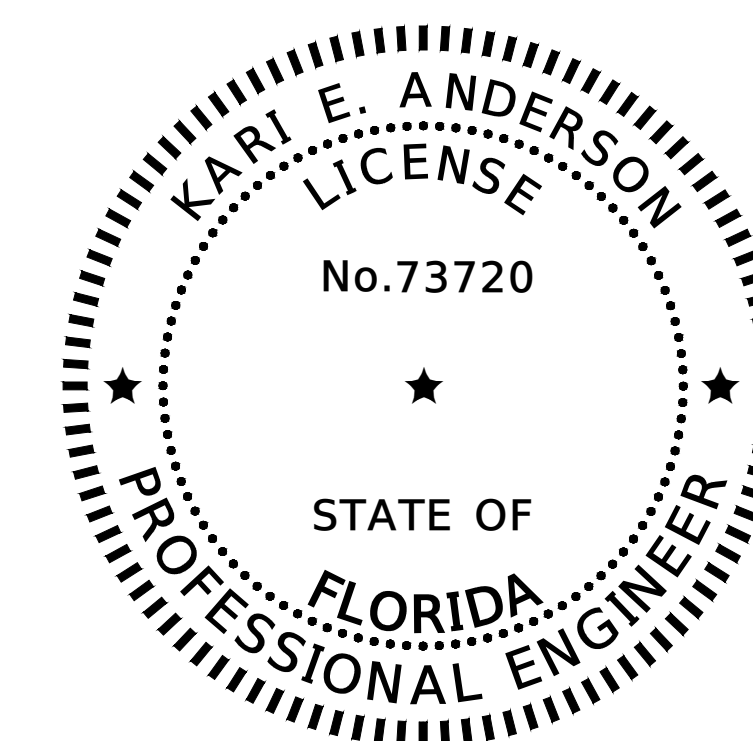
ANY REFERENCE TO FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION, DIVISION 1, GENERAL REQUIREMENTS AND COVENANTS, SHALL BE EXCLUDED AND NOT APPLICABLE TO ANY SPECIFICATION REFERRED HEREIN OR OTHERWISE LISTED IN THESE PLANS OR RELATED DOCUMENTS OR THE ESCAMBIA COUNTY TECHNICAL SPECIFICATIONS.

KEY SHEET REVISIONS	
DATE	DESCRIPTION

	LENGTH OF PROJECT	
	LINEAR FEET	MILES
ROADWAY	1074	0.203
BRIDGES	0.00	0.000
NET LENGTH OF PROJECT	1074	0.203
EXCEPTIONS	0.00	0.000
GROSS LENGTH OF PROJECT	1074	0.203

ESCAMBIA COUNTY PROJECT MANAGER: OMAR EACRET

- COMMISSIONERS**
- DISTRICT ONE **JEFF BERGOSH**
 - DISTRICT TWO **MIKE KOHLER**
 - DISTRICT THREE **LUMON MAY, CHAIRMAN**
 - DISTRICT FOUR **ROBERT BENDER**
 - DISTRICT FIVE **STEVEN BARRY, VICE CHAIRMAN**



THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY:

ON THE DATE ADJACENT TO THE SEAL

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

4489 Woodbine Rd.
 Pace, FL 32571
 Phone: (850) 289-1013

Kari E. Anderson, P.E. No. 73720

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

**FINAL PLANS FOR REVIEW
 NOT FOR CONSTRUCTION**



4489 Woodbine Road • Pace, Florida 32571
 Tel 850.289.1000 • Fax 850.289.1001
 Certificate of Authorization No. 9302

C:\pw_work\american-pw-01\00624944\KEYSRD01.dwg, Apr 06, 2023 - 7:09:42PM, 5c00kc

PHASE	REVIEW	ORIGINATOR (RP)	PRODUCTION CHECKING COMPLETE, READY FOR SUBMITTAL REVIEW (RP)	DATE	ORIGINATOR (RP)	CHECKER (RP)	ORIGINATOR (RP)	CHANGE INCORPORATION	CHECKER (RP)	ORIGINATOR (RP)	CHANGE (Green Highlighter)	ORIGINATOR (RP)	CHECKER (RP)	ORIGINATOR (RP)	VERIFICATION, CHECKER (RP)	REMARK INCORPORATION	ORIGINATOR (RP)	DATE	DATE
SIGNATURE:																			

GENERAL NOTES:

- THE CONTRACTORS SHALL NOTIFY THE COUNTY DESIGN ENGINEER OR DESIGNEE 48 HOURS PRIOR TO CONSTRUCTION.
- ALL CONDITIONS AND STIPULATIONS OF THE CONSTRUCTION PERMITS AND THE APPROVALS ISSUED BY THE ESCAMBIA COUNTY ENGINEER SHALL BE COMPLIED WITH IN EVERY DETAIL.
- ALL ROADS DAMAGED BY CONSTRUCTION OPERATIONS ARE TO BE PATCHED OR RECONSTRUCTED AS DIRECTED BY THE COUNTY ENGINEER OR DESIGNEE.
- THE CONTRACTOR SHALL TAKE STEPS NECESSARY TO PREVENT EROSION AND ANY OFF SITE SEDIMENT TRANSPORT RESULTING FROM INCREASED RUNOFF DURING CONSTRUCTION BY PROVIDING SILT FENCE AND/OR STAKED HAY BALES AS REQUIRED BY FDOT INDEX 102, THE FLORIDA STORMWATER, EROSION, AND SEDIMENT CONTROL INSPECTOR'S MANUAL, 2000 EDITION, OR AS INDICATED ON THE PLANS. ALL EROSION CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL ASSOCIATED DISTURBED AREAS ARE STABILIZED AS TO REDUCE SEDIMENT RUNOFF, UNLESS OTHERWISE DIRECTED BY THE ENGINEER OR DESIGNEE.
- ANY NECESSARY PERMITS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR. ESCAMBIA COUNTY OR ITS DESIGNEE WILL ASSIST CONTRACTOR WITH REQUIRED PERMITS.
- THE CONTRACTOR IS CAUTIONED TO VISIT THE SITE AND FAMILIARIZE HIMSELF WITH THE PROJECT PRIOR TO BIDDING AND/OR CONSTRUCTION.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PRESERVE OR RELOCATE ALL BENCHMARKS (VERTICAL CONTROL) AS NEEDED DURING CONSTRUCTION. ALL PUBLIC OR PRIVATE CORNER MONUMENTATION SHALL BE PROTECTED. IF A PUBLIC OR PRIVATE CORNER MONUMENTATION IS IN DANGER OF BEING DESTROYED AND HAS NOT BEEN PROPERLY REFERENCED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR DESIGNEE IMMEDIATELY. ANY ESCAMBIA COUNTY HARN/GPS NETWORK MONUMENTS OR BUREAU OF SURVEY AND MAPPING GPS NETWORK MONUMENTS WITHIN THE LIMITS OF CONSTRUCTION SHALL BE PROTECTED. IF A HARN/GPS NETWORK MONUMENTS OR BUREAU OF SURVEY AND MAPPING GPS NETWORK MONUMENTS ARE DISTURBED OR DESTROYED THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACEMENT OF THE MONUMENTS AND HAVE THE MONUMENTS POSITION DETERMINED BY A FLORIDA LICENSED PROFESSIONAL SURVEYOR AND MAPPER USING GUIDELINES AS ESTABLISHED BY NATIONAL GEODETIC SURVEY FOR BLUE BOOKING AND APPROVAL.
- EXISTING DRAINAGE FEATURES WITHIN CONSTRUCTION LIMITS SHALL REMAIN UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL MATCH EXISTING CONDITIONS AT THE BEGINNING AND END OF CONSTRUCTION AS DIRECTED BY THE COUNTY ENGINEER OR DESIGNEE.
- EXISTING STREETS AND DRIVES SHALL BE MAINTAINED TO LOCAL TRAFFIC AND PROPERTY OWNERS.
- ALL ROADWAY CONSTRUCTION SHALL COMPLY WITH THE ESCAMBIA COUNTY TECHNICAL SPECIFICATIONS, LATEST EDITION.
- ALL MATERIALS, TESTING AND CONSTRUCTION METHODS SHALL CONFORM TO THE ESCAMBIA COUNTY TECHNICAL SPECIFICATIONS, LATEST EDITION.
- ANY REFERENCE TO FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION, DIVISION 1, GENERAL REQUIREMENTS AND COVENANTS, SHALL BE EXCLUDED AND NOT APPLICABLE TO ANY SPECIFICATION REFERRED HEREIN OR OTHERWISE LISTED IN THESE PLANS OR RELATED DOCUMENTS OR THE ESCAMBIA COUNTY TECHNICAL SPECIFICATIONS.
- EXISTING STREET AND ROAD NAME SIGNS ON THE PROJECT SHALL BE KEPT VISIBLE AT ALL TIMES FOR THE FACILITATION OF ACCESS BY EMERGENCY VEHICLES. ALL OTHER EXISTING SIGNS THAT CONFLICT WITH CONSTRUCTION OPERATIONS SHALL BE TAKEN DOWN AND STOCKPILED WITHIN THE R/W LIMITS BY THE CONTRACTOR AS DIRECTED BY THE COUNTY ENGINEER OR DESIGNEE. ANY EXISTING SIGNS THAT ARE TO BE RELOCATED AND ARE DAMAGED BEYOND USE BY THE CONTRACTOR SHALL BE REPLACED BY THE CONTRACTOR AT HIS EXPENSE.
- THE CONTRACTOR SHALL MAINTAIN AT LEAST ONE 10' OPEN LANE AT ALL TIMES. NO OPEN EXCAVATION ON THE ROADWAY SHALL REMAIN OVER NIGHT. CONTRACTOR SHALL RESTORE ROAD TO TWO LANES OF TRAFFIC AT THE END OF EACH WORK DAY.
- CONTRACTOR SHALL COMPLY WITH ALL F.D.E.P. AND ARMY CORP. OF ENGINEERS REQUIREMENTS.
- ONLY ACCESS TO THE ROAD R/W AS SHOWN IS GUARANTEED BY THE COUNTY. PRIVATE R/W REQUIRED BY THE CONTRACTOR TO FACILITATE CONSTRUCTION SHALL BE ACQUIRED BY THE CONTRACTOR WITH NO ADDITIONAL COMPENSATION OR ASSISTANCE FROM THE COUNTY.
- IN THE EVENT THAT SURVEY MONUMENTATION OR REFERENCE POINTS ARE MISSING OR HAVE BEEN DESTROYED, PLEASE CONTACT:

 ESCAMBIA COUNTY SURVEYOR
 3363 WEST PARK PLACE
 PENSACOLA, FLORIDA 32505 PH (850) 595-3427
- VEGETATION ON R/W AND EASEMENTS SHALL BE RESTORED TO ORIGINAL CONDITION UNLESS OTHERWISE NOTED ON THE PLAN SHEETS. COST OF SAID RESTORATION SHALL BE CONSIDERED INCIDENTAL TO OTHER PAY ITEMS.
- ALL COMPACTED FILL SHALL BE PLACED IN 4" LIFTS FOR HAND POWERED TAMPERS AND 8" LIFTS FOR HEAVY EQUIPMENT OPERATED TAMPERS.
- MAINTENANCE OF TRAFFIC AS PER FDOT INDEX 102-600.
- ALL EXISTING MAILBOXES INTERFERING WITH NEW CONSTRUCTION SHALL BE RELOCATED OR REPLACED BY THE CONTRACTOR IN ACCORDANCE WITH POSTAL REQUIREMENTS AND IN ACCORDANCE WITH ESCAMBIA COUNTY TECHNICAL SPECIFICATIONS, FDOT DESIGN STANDARDS AND UNITED POSTAL REQUIREMENTS. ALL EXISTING BRICK MAILBOXES WITHIN LIMITS OF CONSTRUCTION OR COUNTY RIGHT OF WAY SHALL BE REMOVED AND PLACED ON THE PROPERTY LINE OF THE OWNER. CONTRACTOR SHALL REPLACE EXISTING BRICK MAILBOX WITH APPROVED PLASTIC BREAK AWAY MAILBOX.
- IF ARCHAEOLOGICAL MATERIAL/PREHISTORIC ARTIFACTS SUCH AS POTTERY OR CERAMICS, STONE TOOLS OR METAL IMPLEMENTS, OR ANY OTHER PHYSICAL REMAINS THAT COULD BE ASSOCIATED WITH NATIVE AMERICAN CULTURES, OR EARLY COLONIAL OR AMERICAN SETTLEMENT ARE ENCOUNTERED AT ANY TIME, THE PROJECT SHOULD CEASE ALL ACTIVITIES INVOLVING SUBSURFACE DISTURBANCE IN THE IMMEDIATE VICINITY OF SUCH DISCOVERIES. THE APPLICANT/RECIPIENT, OR OTHER DESIGNEE, SHOULD CONTACT THE FLORIDA DEPARTMENT OF STATE, DIVISION OF HISTORICAL RESOURCES, THE STATE HISTORIC PRESERVATION OFFICER (SHPO) AND THE DSH/FEMA REGION IV ENVIRONMENTAL OFFICER AND FDEM STATE ENVIRONMENTAL LIAISON OFFICER FOR FURTHER GUIDANCE. PROJECT ACTIVITIES SHOULD NOT RESUME WITHOUT VERBAL AND/OR WRITTEN AUTHORIZATION FROM THE DIVISION OF HISTORICAL RESOURCES.
- IN THE EVENT THAT UNMARKED HUMAN REMAINS ARE ENCOUNTERED DURING PERMITTED ACTIVITIES, ALL WORK MUST STOP IMMEDIATELY AND THE PROPER AUTHORITIES NOTIFIED IN ACCORDANCE WITH F.S. 872.05.

LEGEND & ABBREVIATIONS:			
	= BENCHMARK	-X-	= CHAINLINK FENCE
	= BUSH	-O-	= WOOD FENCE
	= TELEPHONE PEDESTAL	-OHL-	= OVERHEAD UTILITY LINE
	= FLAT GRATE INLET	CMPE	= CORRUGATED METAL PIPE ELLIPTICAL
	= GUY ANCHOR	CPP	= CORRUGATED PLASTIC PIPE
	= IRON ROD	PVC	= POLYVINYL CHLORIDE PIPE
	= MAILBOX	LB	= LICENSED BUSINESS
	= MITERED END SECTION	PSM	= PROFESSIONAL SURVEYOR AND MAPPER
	= UTILITY POLE	ID	= IDENTIFICATION
	= TRAFFIC SIGN	NAD	= NORTH AMERICAN DATUM
	= WATER METER	NAVD	= NORTH AMERICAN VERTICAL DATUM
	= VALVE COVER WATER	TRAV.PT.	= TRAVERSE POINT
		SSMC	= SOUTHEASTERN SURVEYING & MAPPING CORPORATION

**MCELHANEY ROAD
CULVERT REPAIRS
GENERAL NOTES**





KARIE ANDERSON, P.E. No. 7370
 DATE: _____
 PROJECT LOCATION:
 7200 & 8000 MCELHANEY ROAD
 PROJECT NUMBER:
 PD-02-03-79-52.12 KARIE ANDERSON, PE

American CONSULTING
 4189 WILSON BLVD. • P.O. BOX 1151 • FORT WORTH, TEXAS 76115-0115
 TEL 850.289.1000 • FAX 850.289.1001
 Certificate of Authorization No. 9302

NUMBER	REVISIONS	DATE	APPROVED BY

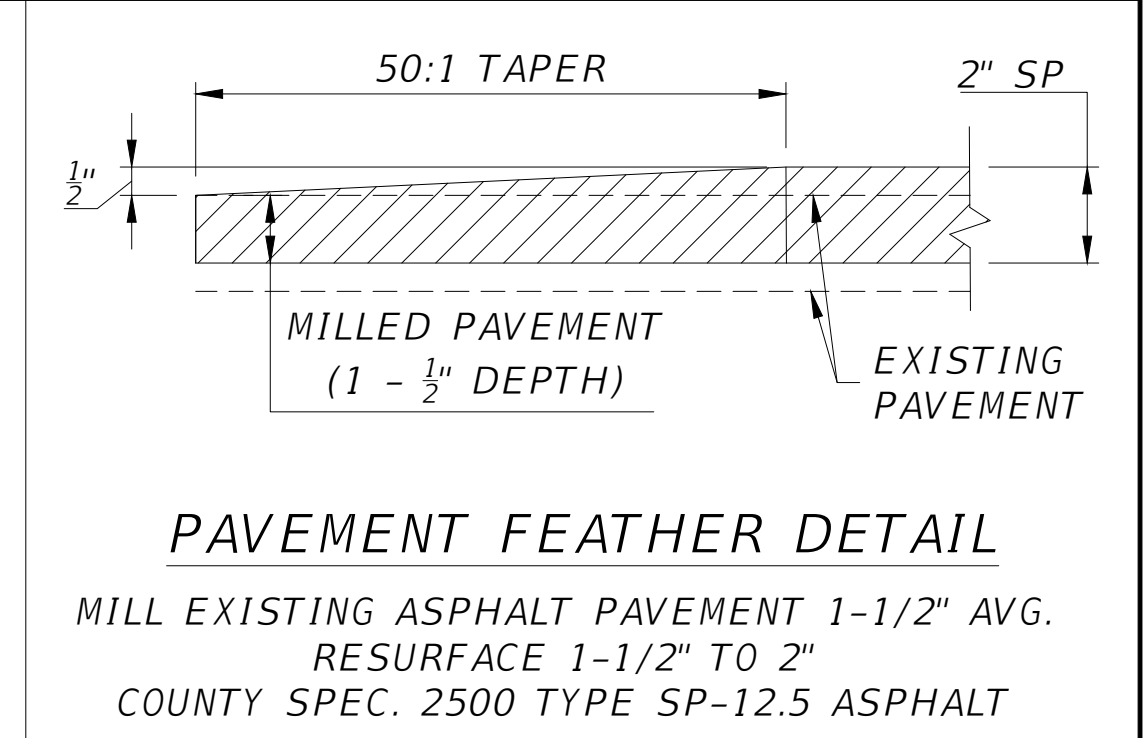
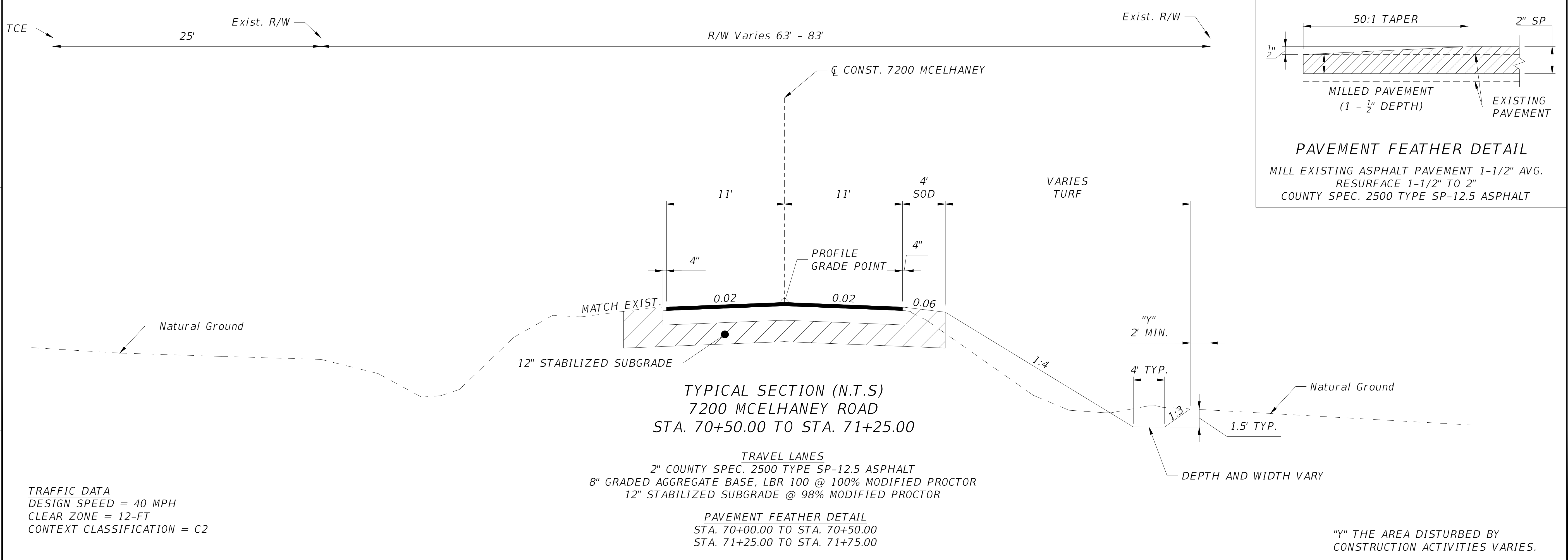
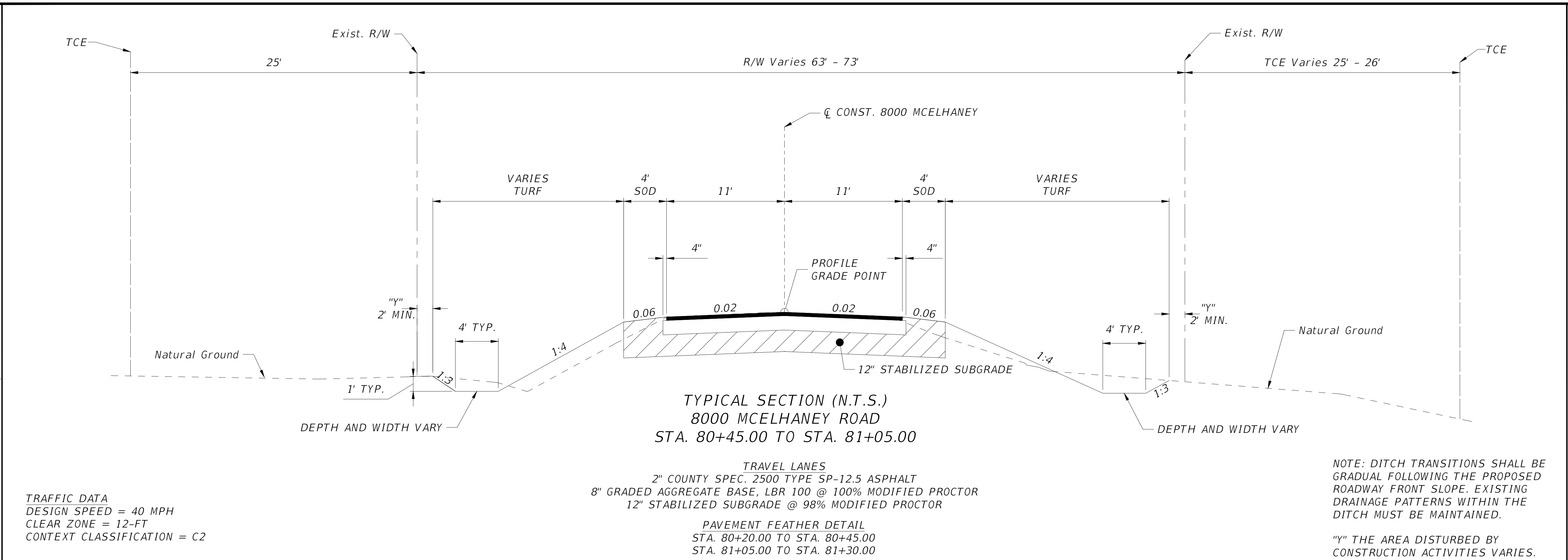
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SIGNATURE:										REMARK INCORPORATION	(Blue Highlighter)	
										ORIGINATOR VERIFICATION	Correct (Pink Highlighter)	

SUMMARY OF QUANTITIES				
Item No.	Description	Unit	7200 McElhaney Road Quantity	8000 McElhaney Road Quantity
1	Mobilization (5%)	LS	-	-
2	Maintenance Of Traffic (100 Days)	DA	-	-
3	Sediment Barrier	LF	201	137
4	Clearing & Grubbing	AC	0.268	0.191
5	Removal of Existing Concrete Driveway	SY	0	56
6	Removal of Existing Concrete Riprap	SY	322	257
7	Removal of Existing CPP	LF	240	120
8	Earthwork - Excavation	CY	97	123
9	Earthwork - Borrow (Fill)	CY	178	96
10	Superpave Asphaltic Concrete, Traffic B, Type SP-12.5, 2"	TN	47.7	29.6
11	Milling Existing Asphalt Pavement, 2" Average Depth	SY	248	123
12	Sawcut Existing Asphalt	LF	44	44
13	12" Stabilized Subgrade	SY	253	200
14	8" Graded Aggregate Base Min. LBR 100 at 100% Modified Proctor	SY	192	151
15	Concrete Driveways, 6" Thick	SY	0	56
16	Thermoplastic, Standard-Open Graded Asphalt Surfaces, Yellow, Solid, 6"	GM	0.047	0.042
17	Pipe Culvert, Optional Material, Round 48" S/CD	LF	264	0
18	Concrete Class IV, Culverts	CY	0	70
19	Straight Concrete Endwall Class IV Concrete, 9'x4' Double, 0 Degrees, Rectangular	CY	0	25
20	Straight Concrete Endwall, 48" Quadruple, 30 Degrees, Round	EA	2	0
21	Riprap (Rubble) (F&I) (Ditch Lining)	TN	79.2	77.8
22	Bedding Stone	TN	19.0	18.6
23	Fencing, Special Type, 6.1-7.0', Reset	LF	60	0
24	Object Marker (Type 2)	EA	4	4
25	Bermuda Sod, Staked	SY	102	86
26	Performance Turf	SY	458	407


 <p>4489 WESTVIEW ROAD • P.O. BOX 1000 • ESCALON, MISSOURI 64751 TEL 850.289.1000 • FAX 850.289.1001 Certificate of Authorization No. 9302</p>	
<p>KARIE ANDERSON, P.E. No. 7370</p> <p>DATE: _____</p> <p>PROJECT LOCATION: 7200 & 8000 MCELHANEY ROAD</p> <p>PROJECT NUMBER: PD02-03-7952.12</p> <p>PROJECT MANAGER: KARIE ANDERSON, P.E.</p>	
<p>MCELHANEY ROAD CULVERT REPAIRS</p> <p>SUMMARY OF QUANTITIES</p>	

NUMBER	REVISIONS	DATE	APPROVED BY


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 SIGNATURE: _____
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 CHECKER (RP) CHANGE INCORPORATION (Yellow Highlighter) ORIGINATOR (RP) CORRECT (Green Highlighter) Change (Red Pen) DATE: _____
 VERIFICATION, CHECKER (RP) (Blue Highlighter) REMARK INCORPORATION (Blue Highlighter) ORIGINATOR VERIFICATION CORRECT (Pink Highlighter) DATE: _____



MCELHANEY ROAD
CULVERT REPAIRS
TYPICAL SECTION


 ESCAMBIA COUNTY, FLORIDA

KARIE ANDERSON, P.E. No. 7370
 DATE: _____
 PROJECT LOCATION: 7200 & 8000 MCELHANEY ROAD
 PROJECT NUMBER: PD02-03-7652.12
 PROJECT MANAGER: KARIE ANDERSON, P.E.


American CONSULTING
 4189 WOODBINE ROAD • P.O. BOX 11515 • FORT WORTH, TEXAS 76161-1515
 TEL 850.289.1000 • FAX 850.289.1001
 Certificate of Authorization No. 9302

NUMBER	REVISIONS	DATE	APPROVED BY

SHEET **4**

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 CHECKER (RP) CHANGE INCORPORATION (Yellow Highlighter) DATE
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 CHECKER (RP) Correct (Blue Highlighter) DATE
 ORIGINATOR (RP) Correct (Pink Highlighter) DATE
 CHECKER (RP) Correct (Pink Highlighter) DATE
 VERIFICATION, CHECKER (RP) DATE
 REMARK INCORPORATION DATE
 ORIGINATOR VERIFICATION DATE



PROPERTY OWNER: MAHOLOVICH APRIL M
 SITE ADDRESS: 8000 MCELHANEY RD CENTURY, FL 32535
 MAILING ADDRESS: 8000 MCELHANEY RD CENTURY, FL 32535

PROPERTY OWNER: GLICK DWANE
 SITE ADDRESS: 7731 MCELHANEY RD CENTURY, FL 32535
 MAILING ADDRESS: 500 NORTH 21ST AVE ATMORE, AL 36502

END C SURVEY 8000 MCELHANEY
 STA. 110+00.00
 X = 1043513.7231
 Y = 737242.0271

PROPERTY OWNER: GLICK DWANE R
 5100 W STATE LINE RD
 CENTURY, FL 32535
 MAILING ADDRESS:
 500 NORTH 21ST AVE
 ATMORE, AL 36502

END C CONST. 8000 MCELHANEY
 STA. 81+50.00
 X = 1043416.4570
 Y = 737654.3066

PC STA. 104+28.70
 X = 1043363.2834
 Y = 737791.7940

CURVE DATA C SURVEY 8000 MCELHANEY
 PI STA. = 106+54.26
 DELTA = 11° 52' 02"
 D = 2° 38' 24"
 T = 225.56
 L = 449.50
 R = 2170.24
 PC STA. = 104+28.70
 PT STA. = 108+78.21

PROPERTY OWNER: GLICK DWANE
 SITE ADDRESS: 7731 MCELHANEY RD CENTURY, FL 32535
 MAILING ADDRESS: 500 NORTH 21ST AVE ATMORE, AL 36502

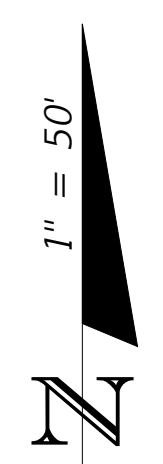
PROPERTY OWNER: JANSEN ROGER M & JANSEN SUSAN P
 SITE ADDRESS: 6400 GREENLAND RD CENTURY, FL 32535
 MAILING ADDRESS: 956 STANTON RD ATMORE, AL 36502

8000 MCELHANEY GEOTECHNICAL BORINGS

POINT #	BORING #	(X) EASTING	(Y) NORTHING	(Z) ELEVATION
1	SB-1	1043349	737743	256.7
2	SB-2	1043381	737800	255.9
3	C-1	1043383	737741	258.3
4	C-2	1043386	737701	257.8

8000 MCELHANEY ROAD CONTROL POINT DATA

POINT #	(X) EASTING	(Y) NORTHING	(Z) ELEVATION
501	1043171.1890	738209.9560	265.38
505	1043500.7240	737216.8390	260.31
506	1043437.6400	737638.8160	257.25
2142	1043433.8310	737705.3680	255.97
2190	1043332.8610	737707.1390	252.09
2230	1043376.9070	737836.4630	257.22
2257	1043340.5080	737925.0560	258.84



PROPERTY OWNER: MCELHANEY JOSHUA JAMES
 SITE ADDRESS: 7240 MCELHANEY RD CENTURY, FL 32535
 MAILING ADDRESS: 6631 MCELHANEY RD CENTURY, FL 32535

PROPERTY OWNER: MCELHANEY JAMES C JR
 SITE ADDRESS:
 7200 MCELHANEY RD
 CENTURY, FL 32535
 MAILING ADDRESS:
 6750 MCELHANEY RD
 CENTURY, FL 32535

CURVE DATA C 7200 LATERAL DITCH
 PI STA. = 0+50.16
 DELTA = 32° 05' 54"
 D = 190° 59' 09"
 T = 8.63
 L = 16.81
 R = 30.00
 PC STA. = 0+41.53
 PT STA. = 0+58.34

PROPERTY OWNER: PEEBLES DARIN G
 SITE ADDRESS: 7036 MCELHANEY RD CENTURY, FL 32535
 MAILING ADDRESS: 7036 MCELHANEY RD CENTURY, FL 32535

BEGIN C SURVEY 7200 MCELHANEY
 STA. 200+00.00
 X = 1044659.7598
 Y = 735008.7043

BEGIN C CONST. 7200 MCELHANEY
 STA. 70+00.00
 X = 1045070.9363
 Y = 734983.6552

PT STA. 0+58.34
 X = 1045182.8761
 Y = 735012.6998

BEGIN C 7200 LATERAL DITCH
 STA. 0+00.00
 X = 1045235.2420
 Y = 735036.8237
END C CONST. 7200 MCELHANEY
 STA. 71+75.00
 X = 1045245.3259
 Y = 734969.0506

CURVE DATA C SURVEY 7200 MCELHANEY
 PI STA. = 209+99.22
 DELTA = 8° 40' 09"
 D = 12° 17' 47"
 T = 35.32
 L = 70.50
 R = 465.96
 PC STA. = 209+63.91
 PT STA. = 210+34.41

PROPERTY OWNER: MCELHANEY JAMES C JR
 SITE ADDRESS: 6800 MCELHANEY RD CENTURY, FL 32535
 MAILING ADDRESS: 6750 MCELHANEY RD CENTURY, FL 32535

END C 7200 LATERAL DITCH
 STA. 0+68.01
 X = 1045176.9564
 Y = 735005.0486

C 7200 LATERAL DITCH
 S 69° 49' 39" W
 41.53
PC STA. 0+41.53
 X = 1045196.2580
 Y = 735022.5016

BM CIRC5/8" SSMC REF PT NRTK
 503

END C SURVEY 7200 MCELHANEY
 STA. 210+34.41
 X = 1045690.8950
 Y = 734929.7450

7200 MCELHANEY ROAD CONTROL POINT DATA

POINT #	(X) EASTING	(Y) NORTHING	(Z) ELEVATION
503	1045651.0190	734906.6750	259.52
504	1044618.3080	734995.4620	264.32
1364	1045659.8990	734968.8260	256.93

7200 MCELHANEY GEOTECHNICAL BORINGS

POINT #	BORING #	(X) EASTING	(Y) NORTHING	(Z) ELEVATION
5	C-3	1045135	734988	253.0
6	C-4	1045174	734970	252.9

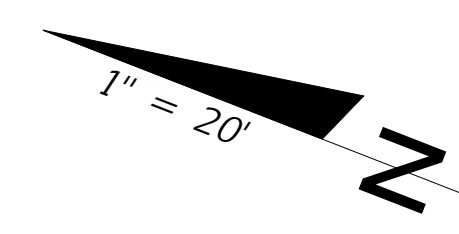
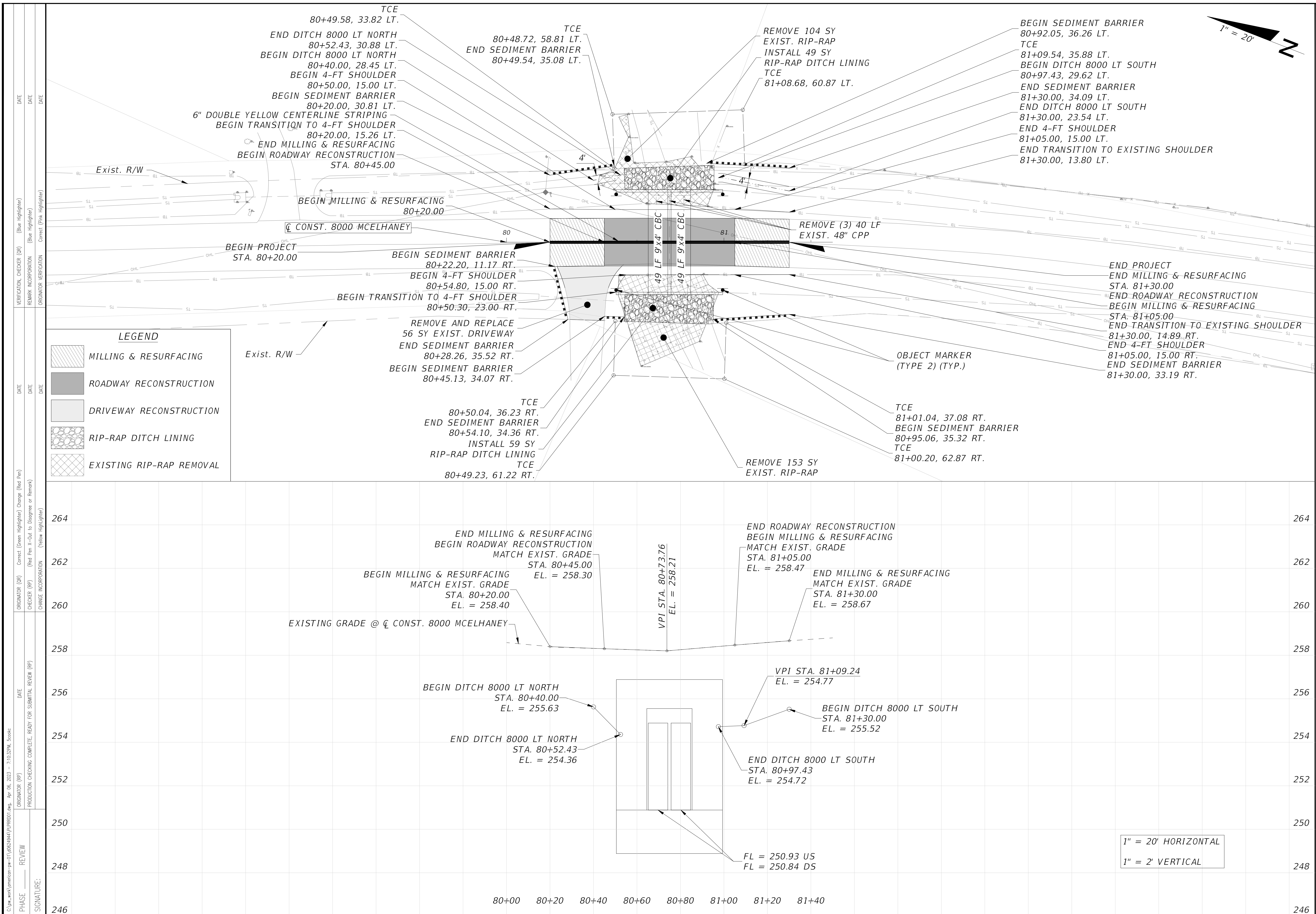
MCELHANEY ROAD CULVERT REPAIRS PROJECT LAYOUT

KARLE ANDERSON, P.E. No. 71720
 DATE: _____
 PROJECT LOCATION: 7200 & 8000 MCELHANEY ROAD
 PROJECT NUMBER: _____
 PROJECT MANAGER: KARLE ANDERSON, P.E.
 PD 02-03-7952.12

4489 W. STATE ROAD 1054 • P.O. BOX 15145 • TAMPA, FL 33615
 TEL 850.289.1000 • FAX 850.289.1001
 Certificate of Authorization No. 9302

NUMBER	REVISIONS	DATE	APPROVED BY

SHEET 5



LEGEND

	MILLING & RESURFACING
	ROADWAY RECONSTRUCTION
	DRIVEWAY RECONSTRUCTION
	RIP-RAP DITCH LINING
	EXISTING RIP-RAP REMOVAL

PHASE	REVIEW	DATE	ORIGINATOR (RP)	PRODUCTION CHECKING COMPLETE, READY FOR SUBMITTAL REVIEW (RP)	DATE	ORIGINATOR (RP)	CHECKER (RP)	CHANGE INCORPORATION	ORIGINATOR (RP)	CORRECT (Green Highlighter) Change (Red Pen)	ORIGINATOR (RP)	CHECKER (RP)	REMARK INCORPORATION	ORIGINATOR (RP)	CORRECT (Pink Highlighter)	ORIGINATOR (RP)	CHECKER (RP)	VERIFICATION, CHECKER (RP)	DATE	

MCELHANEY ROAD
CULVERT REPAIRS

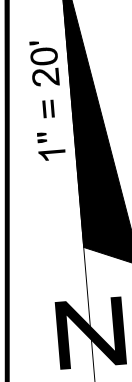
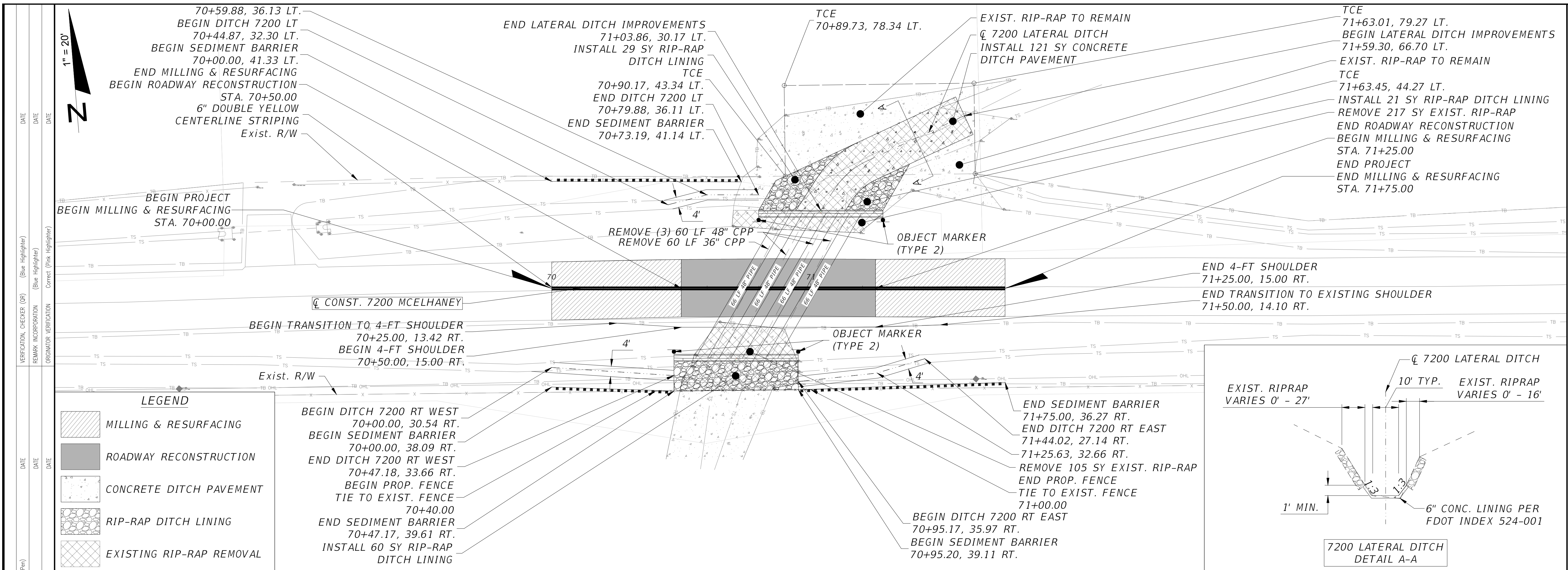
ROADWAY PLAN & PROFILE (1)

KARIE ANDERSON, P.E. No. 7370	KARIE ANDERSON, P.E.
DATE	PROJECT MANAGER
7/20/2023	KARIE ANDERSON, P.E.
PROJECT LOCATION: 7200 & 8000 MCELHANEY ROAD	PROJECT NUMBER: PD02-03-7652.12

4480 Woodbine Road • Palm Bay, Florida 32971
Tel: 888.288.1000 • Fax: 888.288.1001
Certificate of Authorization No. 9302

REVISIONS	DATE	APPROVED BY

SHEET **6**



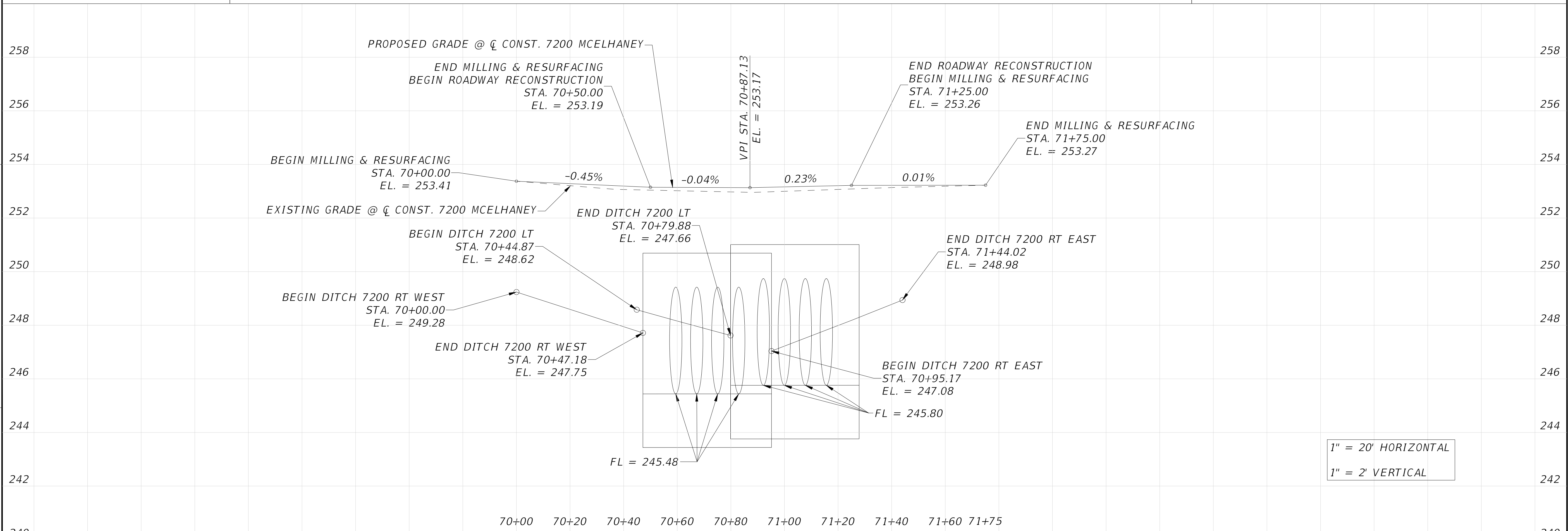
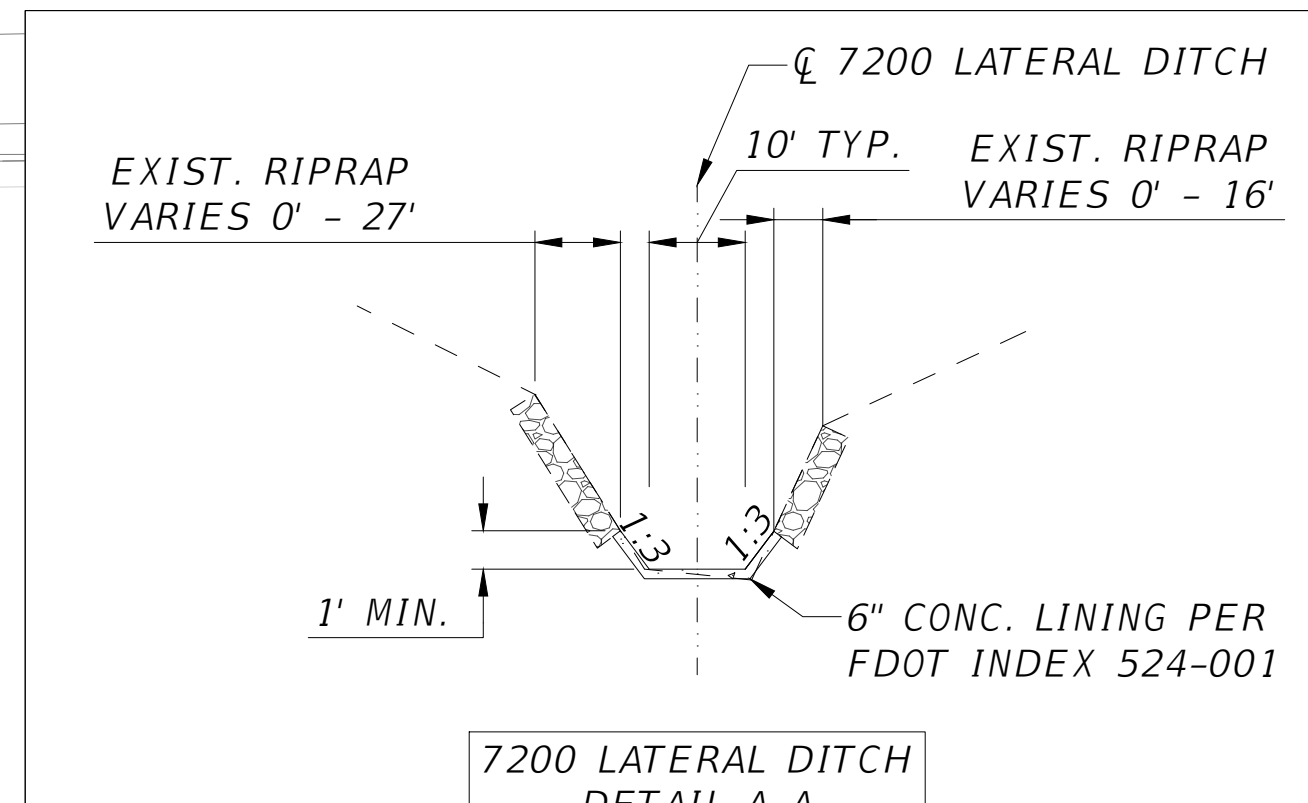
PHASE	DATE	ORIGINATOR (RP)	CHECKER (RP)	ORIGINATOR (OR)	CHECKER (OR)	VERIFICATION, CHECKER (OR)	REMARK INCORPORATION	DATE
REVIEW		PRODUCTION CHECKING COMPLETE, READY FOR SUBMITTAL						
SIGNATURE:								

LEGEND

	MILLING & RESURFACING
	ROADWAY RECONSTRUCTION
	CONCRETE DITCH PAVEMENT
	RIP-RAP DITCH LINING
	EXISTING RIP-RAP REMOVAL

BEGIN DITCH 7200 RT WEST
70+00.00, 30.54 RT.
BEGIN SEDIMENT BARRIER
70+00.00, 38.09 RT.
END DITCH 7200 RT WEST
70+47.18, 33.66 RT.
BEGIN PROP. FENCE
TIE TO EXIST. FENCE
70+40.00
END SEDIMENT BARRIER
70+47.17, 39.61 RT.
INSTALL 60 SY RIP-RAP
DITCH LINING

BEGIN TRANSITION TO 4-FT SHOULDER
70+25.00, 13.42 RT.
BEGIN 4-FT SHOULDER
70+50.00, 15.00 RT.



1" = 20' HORIZONTAL
1" = 2' VERTICAL

MCELHANEY ROAD

CULVERT REPAIRS

ROADWAY PLAN & PROFILE (2)

KARIE ANDERSON, P.E. No. 7370	PROJECT MANAGER
DATE	PROJECT LOCATION: 7200 & 8000 MCELHANEY ROAD
	PROJECT NUMBER: PD02-03-7652.12
	KARIE ANDERSON, P.E.

4488 Wescott Road • P.O. Box, Florida 32571
Tel: 850.289.1000 • Fax: 850.289.1001
Certificate of Authorization No. 9302

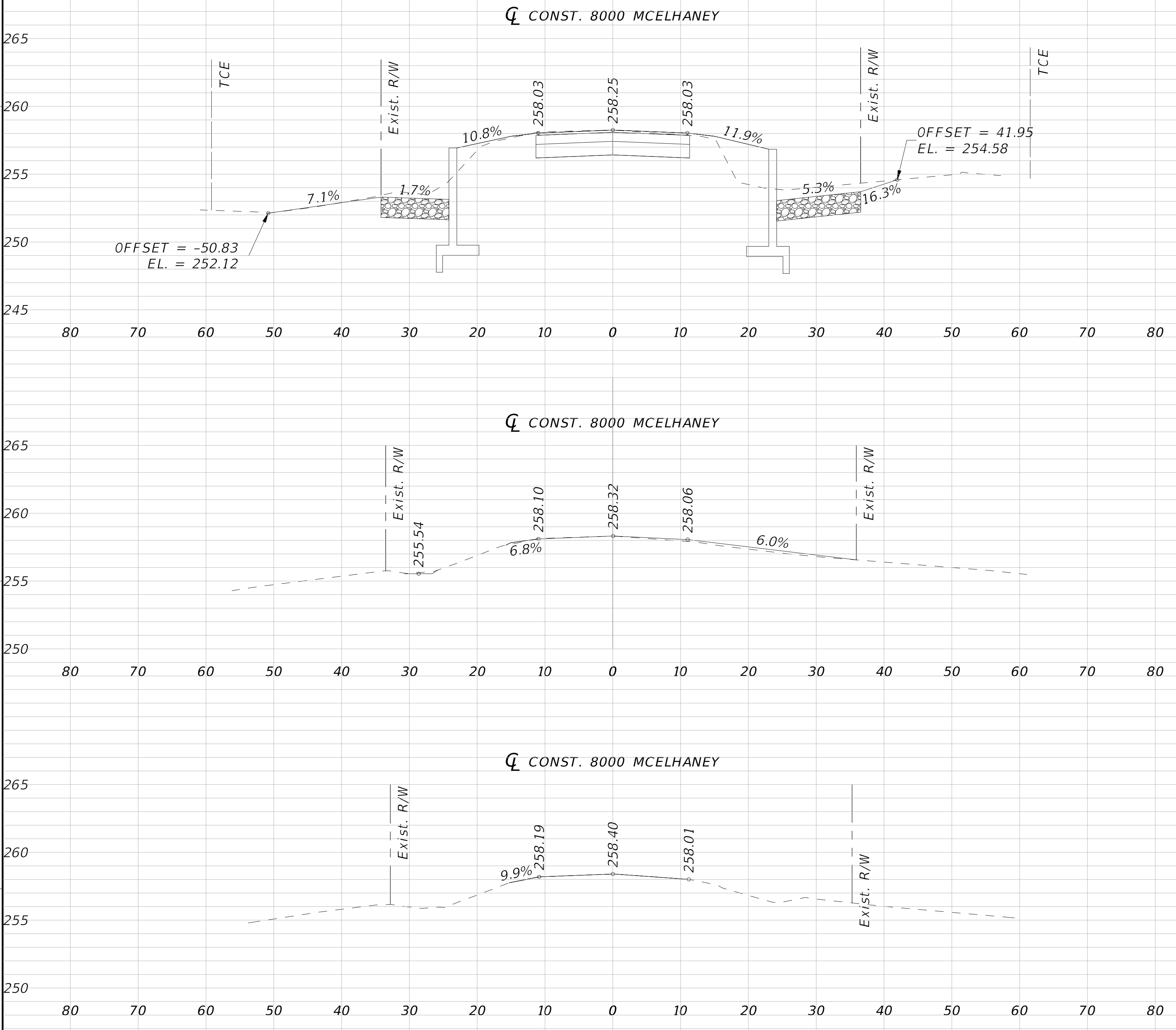
NUMBER	DATE	APPROVAL

SHEET **7**

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PHASE	REVIEW	ORIGINATOR (RP)	PRODUCTION CHECKING COMPLETE, READY FOR SUBMITTAL REVIEW (RP)	DATE	ORIGINATOR (RP)	CORRECT (Green Highlighter) Change (Red Pen)	CHECKER (RP)	REMARK INCORPORATION (Red Pen X-Out to Disagree or Remark)	DATE	ORIGINATOR VERIFICATION (Blue Highlighter)	CHECKER (RP)	REMARK INCORPORATION (Blue Highlighter)	DATE
SIGNATURE:													

11x17 HORIZONTAL SCALE: 1" = 20'
 VERTICAL SCALE: 1" = 10'
 22x34 HORIZONTAL SCALE: 1" = 10'
 VERTICAL SCALE: 1" = 5'



REGULAR	EXC.		EMBANKMENT	
	A	V	A	V
49.8	18.6	31.1	14.4	
				80+60.00
0.2	0.1	3.9	1.5	
				80+40.00
0.0	0.0	0.0	0.0	
				80+20.00

MCELHANEY ROAD

CULVERT REPAIRS

CROSS SECTIONS (1)

KARIE ANDERSON, P.E. No. 7370

DATE: _____

PROJECT LOCATION: 7200 & 8000 MCELHANEY ROAD

PROJECT NUMBER: PD02-03-7852.12

PROJECT MANAGER: KARIE ANDERSON, PE

4489 Wicahoye Road • Tallahassee, Florida 32371

Tel: 904.289.7000 • Fax: 904.289.7001

Certificate of Authorization No. 9302

NUMBER	REVISIONS	DATE	APPROVED BY

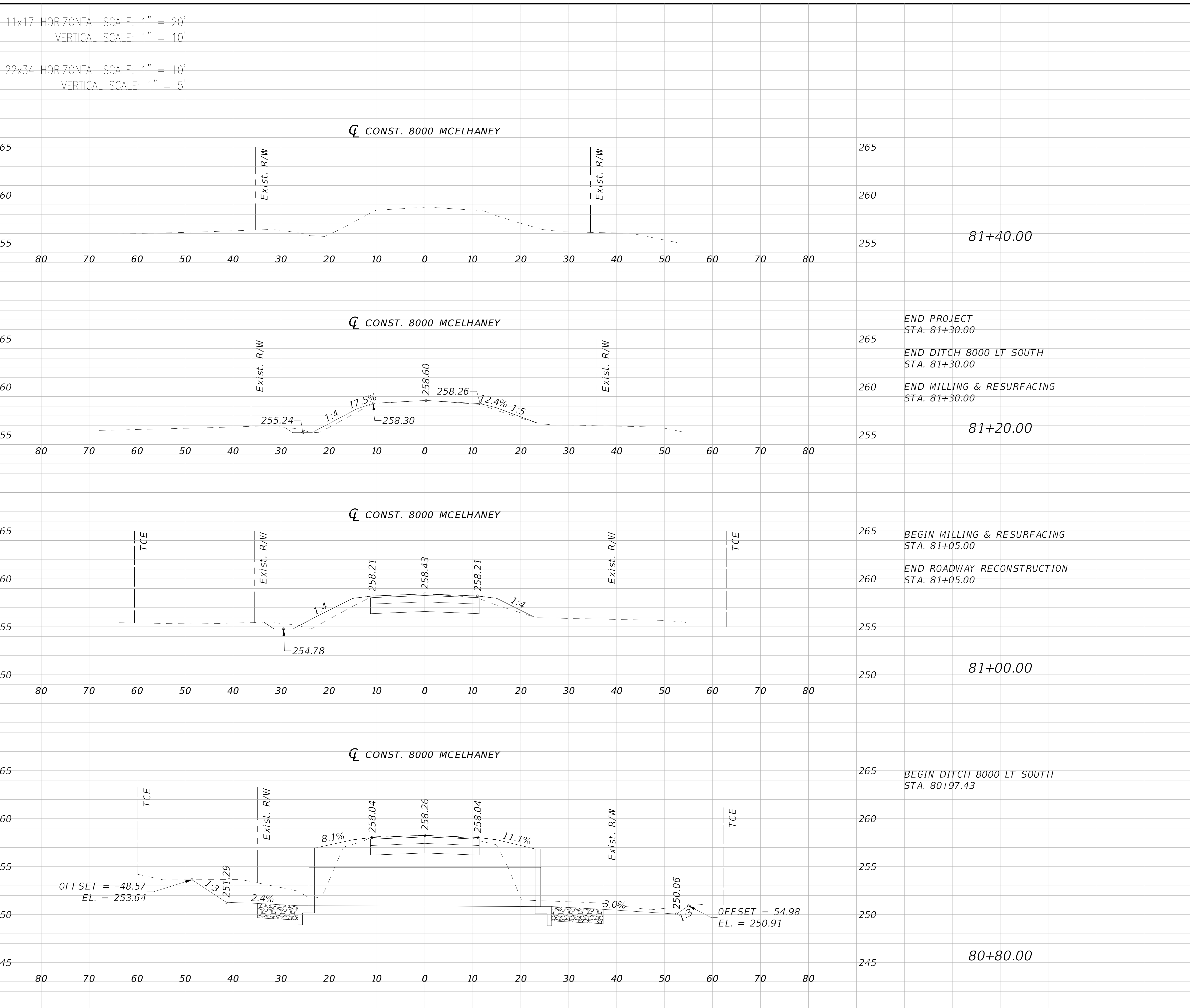
DATE: _____

DATE: _____

SHEET 8

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 PHASE REVIEW
 SIGNATURE:

ORIGINATOR (RP)	CHECKER (RP)	ORIGINATOR (OR)	CHECKER (OR)	VERIFICATION, CHECKER (OR)	REMARK INCORPORATION	DATE
PRODUCTION CHECKING COMPLETE, READY FOR SUBMITTAL REVIEW (RP)		Correct (Green Highlighter) Change (Red Pen)	Correct (Green Highlighter) Change (Red Pen)	ORIGINATOR VERIFICATION	ORIGINATOR VERIFICATION	DATE
		Change Incorporation (Yellow Highlighter)	Change Incorporation (Yellow Highlighter)	Correct (Blue Highlighter)	Correct (Blue Highlighter)	DATE



REGULAR	EXC.		EMBANKMENT	
	A	V	A	V
0.0		109.3	0.0	94.1
1.5		108.8	6.7	91.7
3.2		107.1	16.5	83.1
93.0		71.4	68.9	51.5

MCELHANEY ROAD

CULVERT REPAIRS

CROSS SECTIONS (2)

KARLE ANDERSON, P.E. No. 7370
 DATE: _____

PROJECT LOCATION:
 7200 & 8000 MCELHANEY ROAD
 PROJECT NUMBER:
 PD02-03-7652.12

PROJECT MANAGER:
 KARLE ANDERSON, PE

4489 Wisconsin Road • P.O. Box 51014 • Ft. Worth, TX 76151-0141
 Tel: 855.289.7000 • Fax: 855.289.1001
 Certificate of Authorization No. 9302

NUMBER	REVISIONS	DATE	APPROVED BY

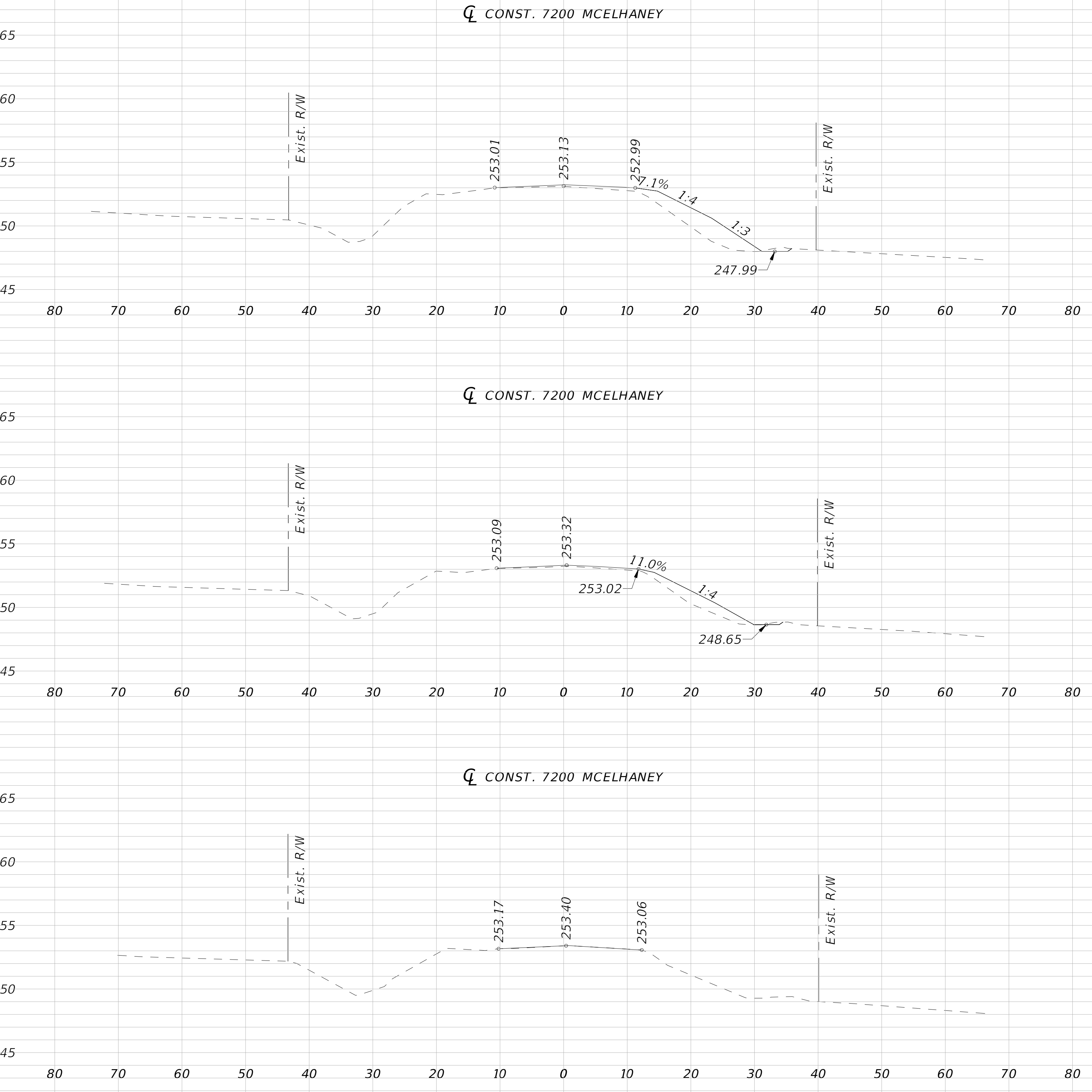
SHEET 9

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PHASE	REVIEW	ORIGINATOR (RP)	PRODUCTION CHECKING COMPLETE, READY FOR SUBMITTAL REVIEW (RP)	DATE	ORIGINATOR (RP)	ORIGINATOR (RP)	CORRECT (Green Highlighter) Change (Red Pen)	DATE	ORIGINATOR VERIFICATION	CHECKER (RP)	REMARK INCORPORATION	DATE	ORIGINATOR VERIFICATION	CHECKER (RP)	REMARK INCORPORATION	DATE
SIGNATURE:																

11x17 HORIZONTAL SCALE: 1" = 20'
VERTICAL SCALE: 1" = 10'

22x34 HORIZONTAL SCALE: 1" = 10'
VERTICAL SCALE: 1" = 5'



265 BEGIN ROADWAY RECONSTRUCTION
STA. 70+50.00

260 END MILLING, RESURFACING
STA. 70+50.00

255 END DITCH 7200 RT WEST
STA. 70+47.18

BEGIN DITCH 7200 LT
STA. 70+44.87

70+40.00

70+20.00

70+00.00

REGULAR	EXC.	EMBANKMENT	
		A	V
1.0	0.6	25.6	20.1
0.3	0.2	14.2	5.3
0.1	0.0	0.2	0.0

MCELHANEY ROAD
CULVERT REPAIRS
CROSS SECTIONS (3)

KARLE ANDERSON, P.E. No. 73720
DATE: _____
PROJECT LOCATION: 7200 & 8000 MCELHANEY ROAD
PROJECT NUMBER: PD02-03-7652-12
PROJECT MANAGER: KARLE ANDERSON, PE

4489 Wisconsin Road • P.O. Box 1614 • 32571
Tel: 850.289.7000 • Fax: 850.289.7001
Certificate of Authorization No. 9302

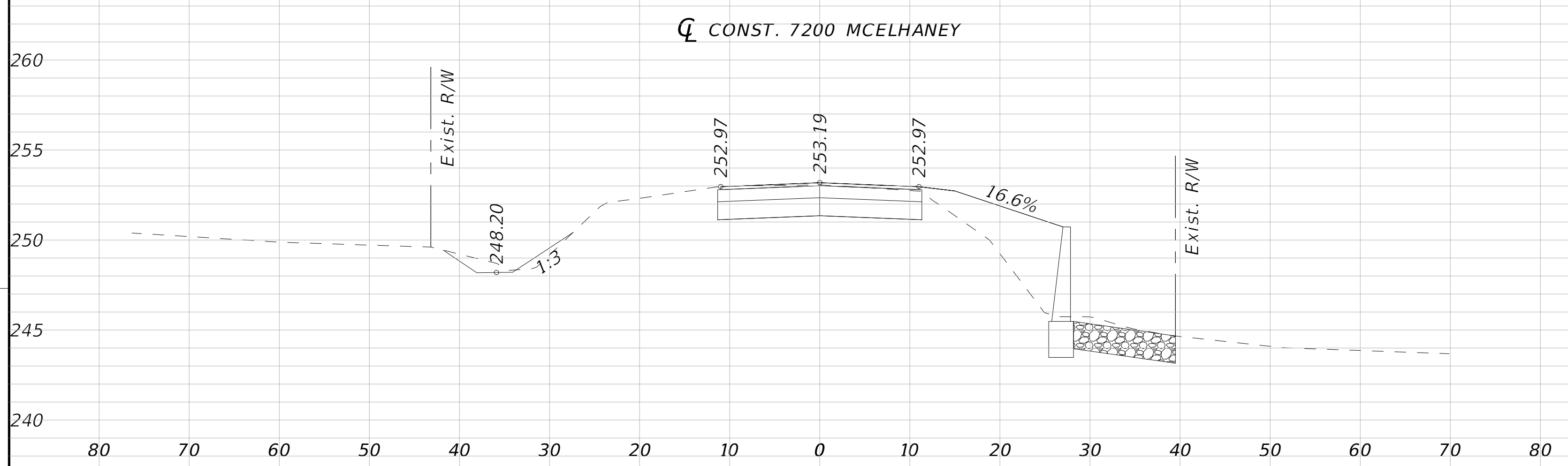
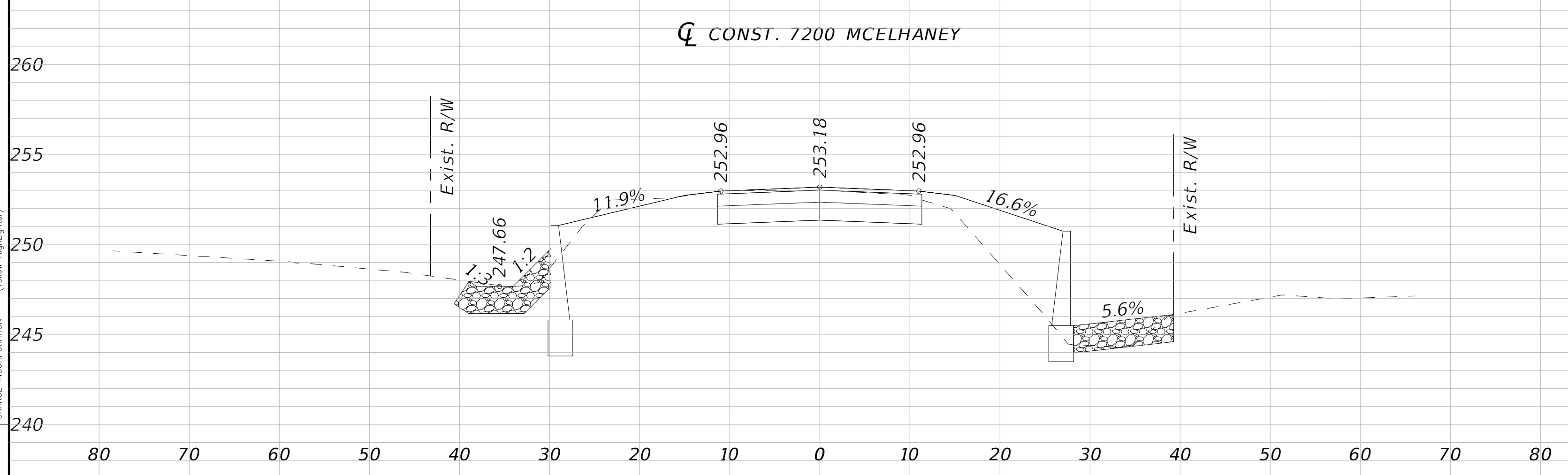
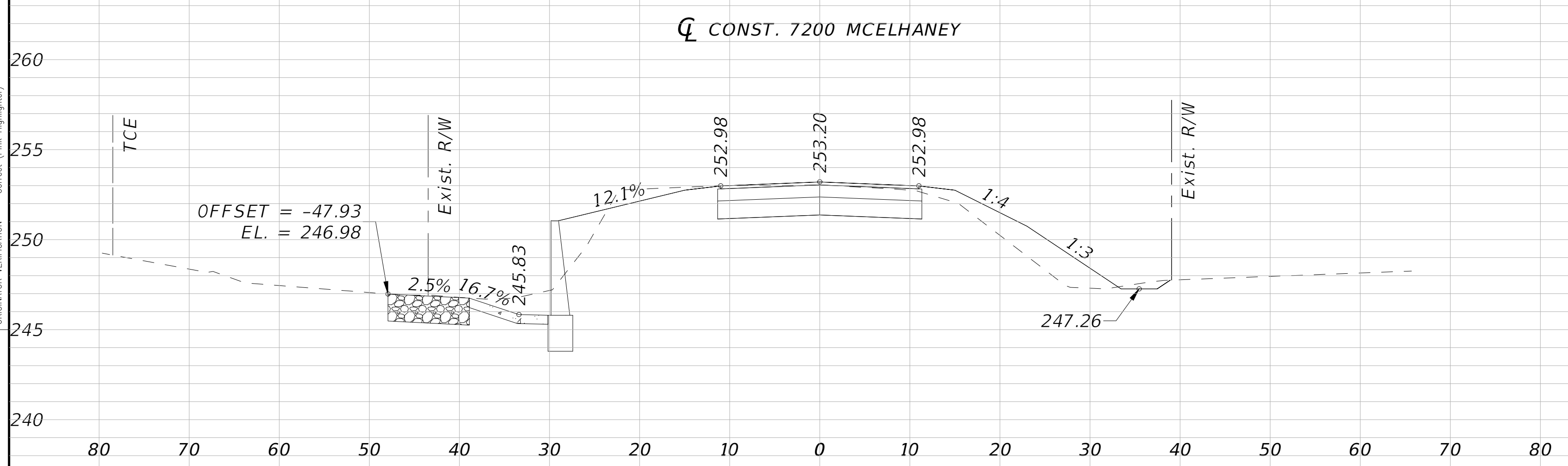
NUMBER	REVISIONS	DATE	APPROVED BY

SHEET 10

PHASE	REVIEW	ORIGINATOR (RP)	PRODUCTION CHECKING COMPLETE, READY FOR SUBMITTAL REVIEW (RP)	DATE	ORIGINATOR (RP)	CORRECT (Green Highlighter) Change (Red Pen)	CHECKER (RP)	ORIGINATOR (RP)	CHANGE INCORPORATION (Yellow Highlighter)	DATE	VERIFICATION, CHECKER (RP)	REMARK INCORPORATION (Blue Highlighter)	ORIGINATOR VERIFICATION	CORRECT (Red Highlighter)	DATE

11x17 HORIZONTAL SCALE: 1" = 20'
VERTICAL SCALE: 1" = 10'

22x34 HORIZONTAL SCALE: 1" = 10'
VERTICAL SCALE: 1" = 5'



REGULAR	EXC.	EMBANKMENT	
		A	V
12.2	14.5	45.2	131.6
4.8	8.2	65.8	90.5
7.2	3.7	49.3	47.9

MCELHANEY ROAD
CULVERT REPAIRS
CROSS SECTIONS (4)

KARLE ANDERSON, P.E. No. 7370
DATE: _____
PROJECT LOCATION: 7200 & 8000 MCELHANEY ROAD
PROJECT NUMBER: PD02-03-79-52.12
PROJECT MANAGER: KARLE ANDERSON, PE

American CONSULTING
4489 Wisconsin Road • P.O. Box 51614 • St. Louis, MO 63151
Tel: 856.289.7000 • Fax: 856.289.7001
Certificate of Authorization No. 9302

NUMBER	REVISIONS	DATE	APPROVED BY

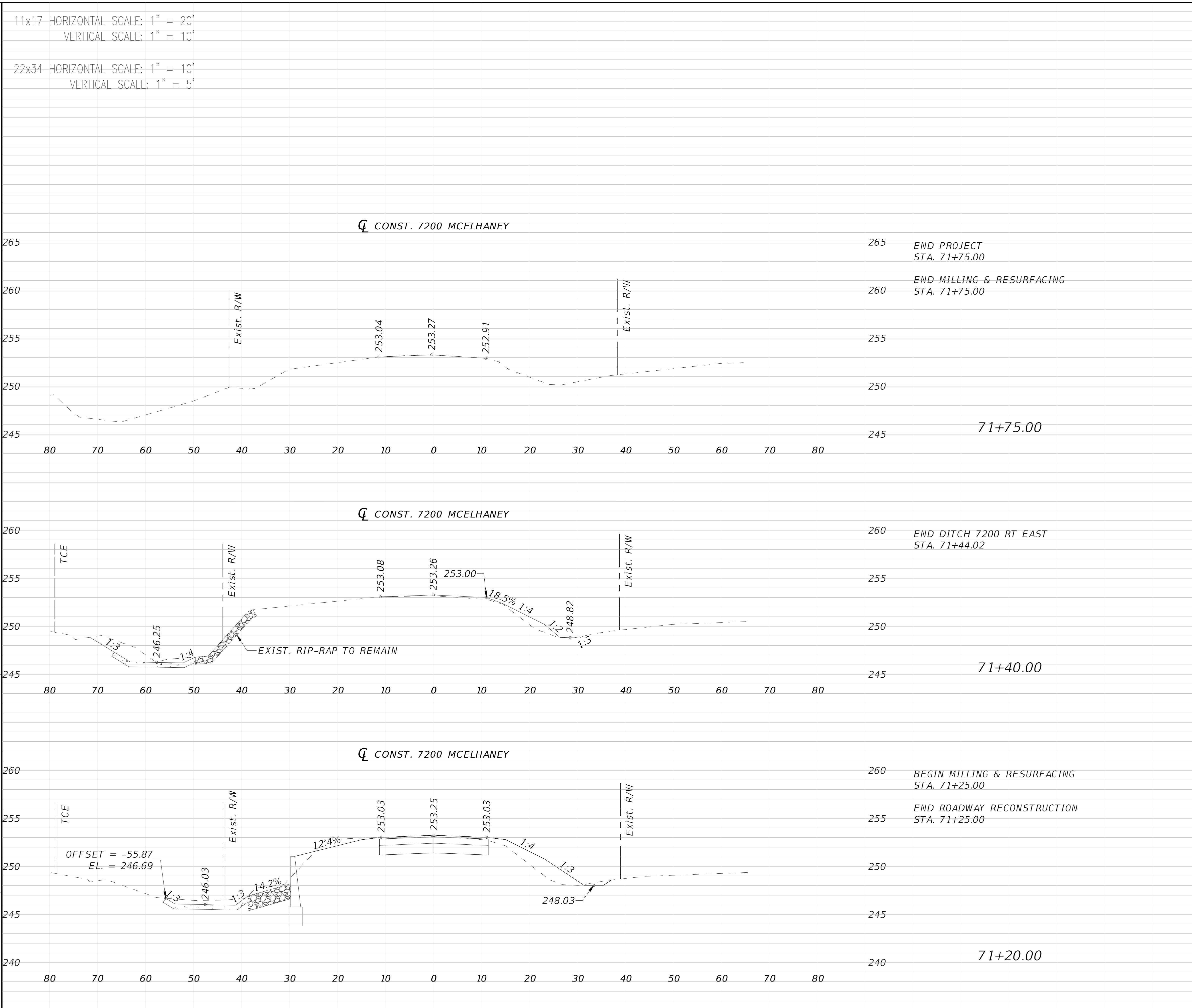
SHEET 11

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PHASE	REVIEW	ORIGINATOR (RP)	PRODUCTION CHECKING COMPLETE, READY FOR SUBMITTAL REVIEW (RP)	DATE	ORIGINATOR (RP)	CORRECT (Green Highlighter) Change (Red Pen) X-Out to Disagree or Remark	CHECKER (RP)	ORIGINATOR (RP)	CHANGE INCORPORATION (Yellow Highlighter)	DATE	ORIGINATOR (RP)	CORRECT (Blue Highlighter)	VERIFICATION, CHECKER (RP)	REMARK INCORPORATION (Blue Highlighter)	ORIGINATOR VERIFICATION	CORRECT (Red Highlighter)	DATE
SIGNATURE:																	

11x17 HORIZONTAL SCALE: 1" = 20'
VERTICAL SCALE: 1" = 10'

22x34 HORIZONTAL SCALE: 1" = 10'
VERTICAL SCALE: 1" = 5'



REGULAR	EXC.		EMBANKMENT	
	A	V	A	V
0.2	48.6	0.1	184.2	
17.8	36.9	10.5	177.4	
15.3	24.6	33.9	160.9	

MCELHANEY ROAD

CULVERT REPAIRS

CROSS SECTIONS (5)

KARLE ANDERSON, P.E. No. 7370

DATE: _____

PROJECT LOCATION: 7200 & 8000 MCELHANEY ROAD

PROJECT NUMBER: PD02-03-7652.12

KARLE ANDERSON, P.E.

4489 Woodbine Road • P.O. Box 1414 • 32571
 Tel: 850.289.7000 • Fax: 850.289.1001
 Certificate of Authorization No. 9302

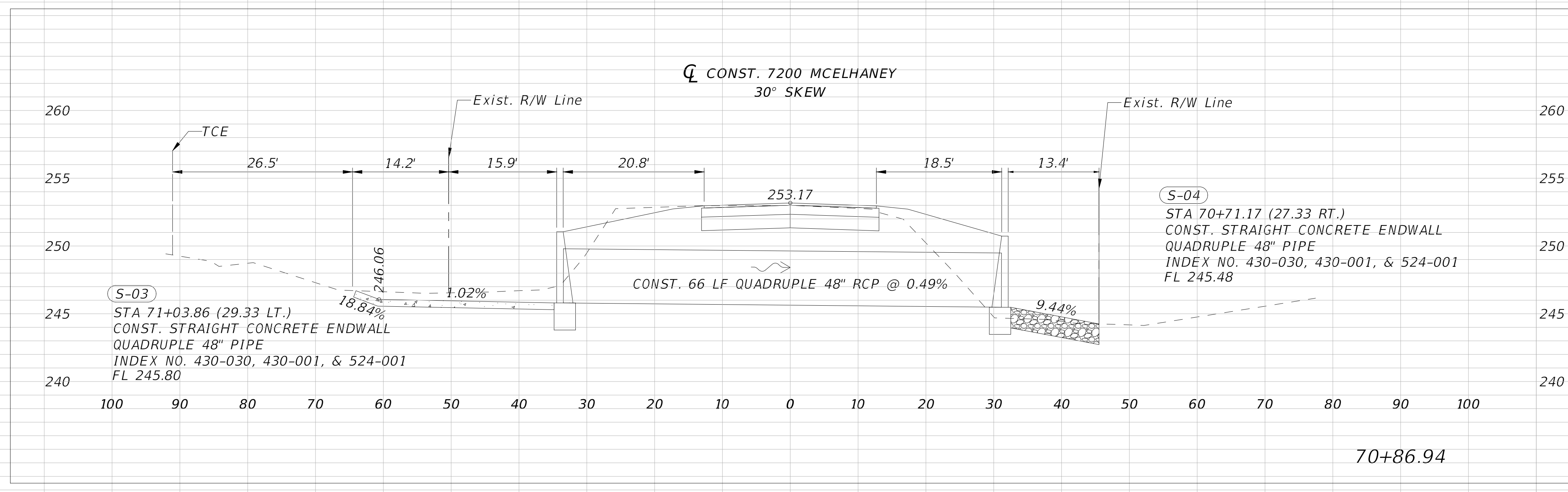
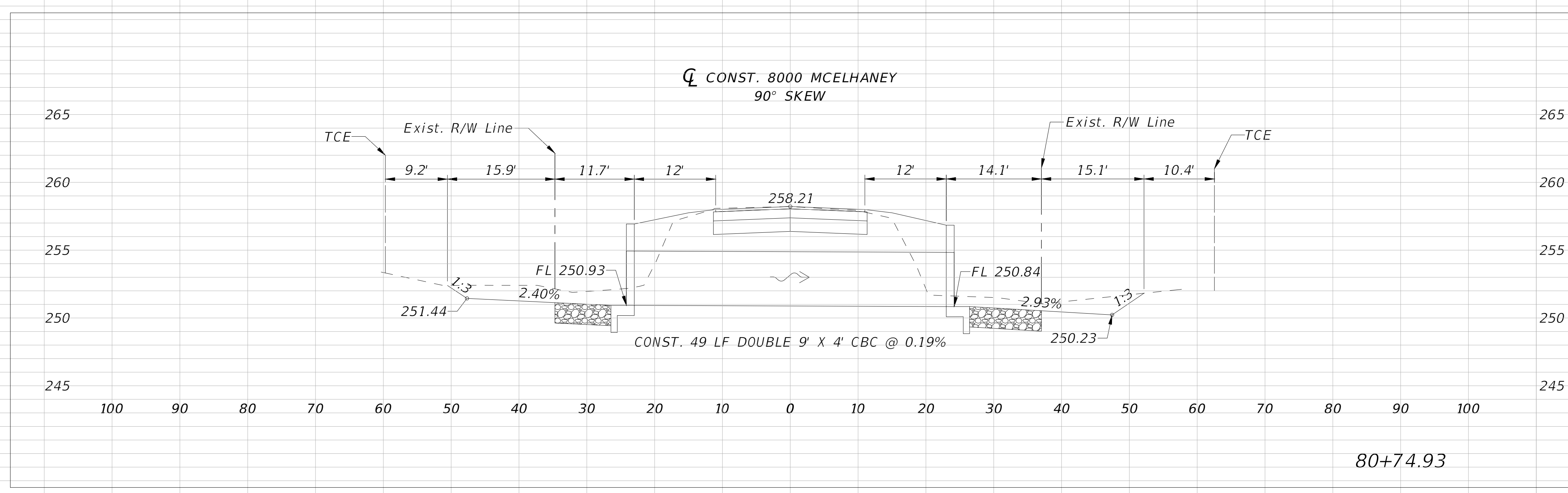
NUMBER	REVISIONS	DATE	APPROVED BY

SHEET 12

PHASE	REVIEW	ORIGINATOR (RP)	DATE	ORIGINATOR (RP)	CHECKER (RP)	ORIGINATOR (RP)	DATE	ORIGINATOR (RP)	CHECKER (RP)	ORIGINATOR (RP)	DATE
		PRODUCTION CHECKING COMPLETE, READY FOR SUBMITTAL REVIEW (RP)		Correct (Green Highlighter) Change (Red Pen)	Correct (Green Highlighter) Change (Red Pen)	Correct (Green Highlighter) Change (Red Pen)		Correct (Green Highlighter) Change (Red Pen)	Correct (Green Highlighter) Change (Red Pen)	Correct (Green Highlighter) Change (Red Pen)	
		ORIGINATOR VERIFICATION		ORIGINATOR VERIFICATION	ORIGINATOR VERIFICATION		ORIGINATOR VERIFICATION	ORIGINATOR VERIFICATION	ORIGINATOR VERIFICATION	ORIGINATOR VERIFICATION	
		REMARK INCORPORATION		REMARK INCORPORATION	REMARK INCORPORATION		REMARK INCORPORATION	REMARK INCORPORATION	REMARK INCORPORATION	REMARK INCORPORATION	
		VERIFICATION, CHECKER (RP)		VERIFICATION, CHECKER (RP)	VERIFICATION, CHECKER (RP)		VERIFICATION, CHECKER (RP)	VERIFICATION, CHECKER (RP)	VERIFICATION, CHECKER (RP)	VERIFICATION, CHECKER (RP)	
		ORIGINATOR VERIFICATION		ORIGINATOR VERIFICATION	ORIGINATOR VERIFICATION		ORIGINATOR VERIFICATION	ORIGINATOR VERIFICATION	ORIGINATOR VERIFICATION	ORIGINATOR VERIFICATION	
		DATE		DATE	DATE		DATE	DATE	DATE	DATE	

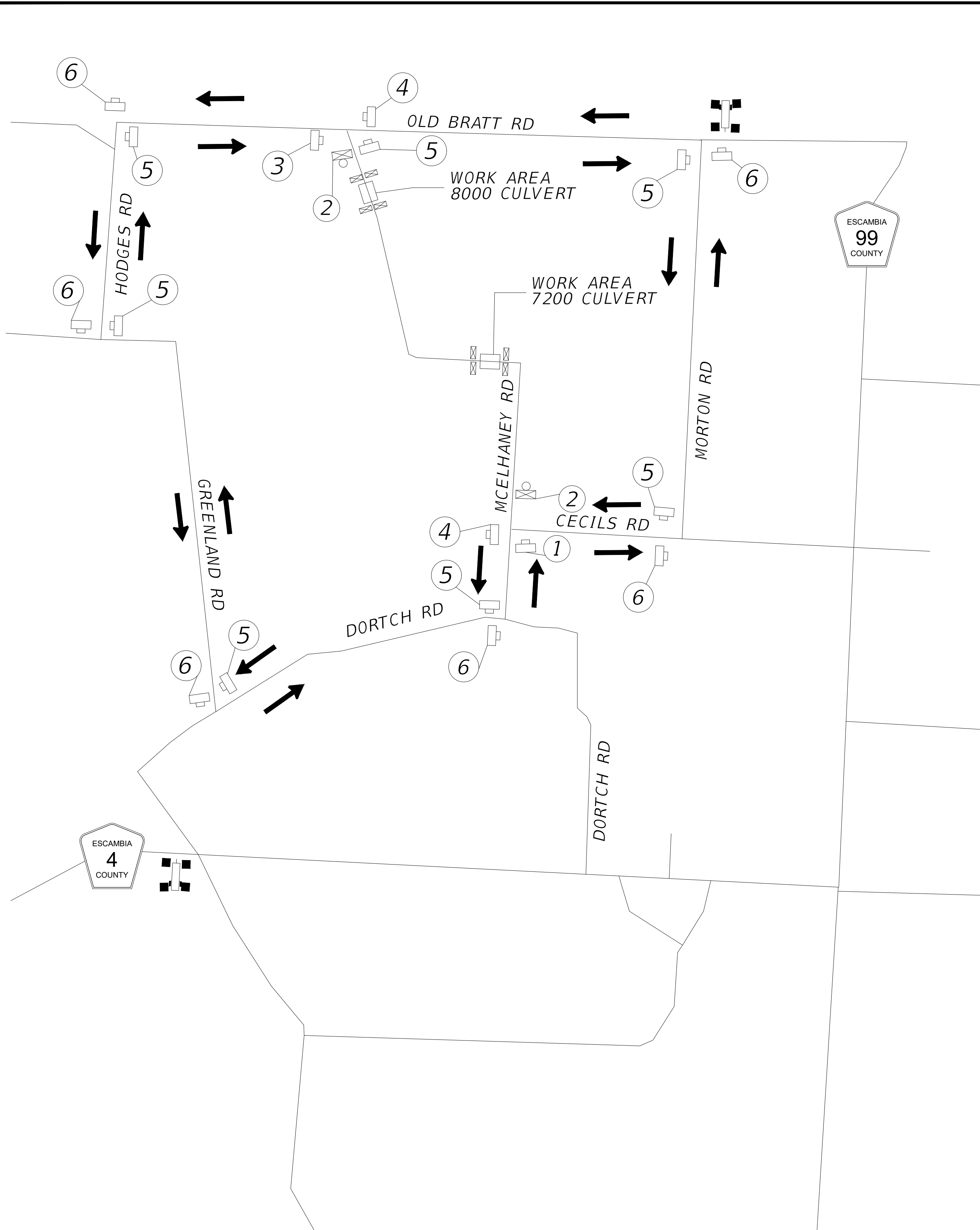
11x17 HORIZONTAL SCALE: 1" = 20'
 VERTICAL SCALE: 1" = 10'

22x34 HORIZONTAL SCALE: 1" = 10'
 VERTICAL SCALE: 1" = 5'



<h1>MCELHANEY ROAD</h1> <h2>CULVERT REPAIRS</h2> <h3>DRAINAGE DETAILS</h3>	
KARIE ANDERSON, P.E. No. 7370 DATE: _____ PROJECT LOCATION: 7200 & 8000 MCELHANEY ROAD PROJECT NUMBER: PD-02-03-7652.12	PROJECT MANAGER: KARIE ANDERSON, PE
4489 Woodbine Road • Tallahassee, Florida 32371 Tel: 904.286.7000 • Fax: 904.286.7001 Certificate of Authorization No. 9302	
NUMBER REVISIONS	APPROVED BY DATE
SHEET 13	

©\pww\aw\version\pww-01\062624\TSP\002.dwg, Apr 06, 2023 - 7:11:09PM, 800x600
 PHASE: REVIEW
 SIGNATURE: _____
 ORIGINATOR (RP) PRODUCTION CHECKING COMPLETE, READY FOR SUBMITTAL REVIEW (RP) DATE _____
 CHECKER (RP) _____
 ORIGINATOR (RP) CORRECT (Green Highlighter) Change (Red Pen) DATE _____
 VERIFICATION, CHECKER (RP) (Blue Highlighter) (Blue Highlighter) DATE _____
 REMARK INCORPORATION (Blue Highlighter) DATE _____
 ORIGINATOR VERIFICATION CORRECT (Pink Highlighter) DATE _____



PHASING NOTES:

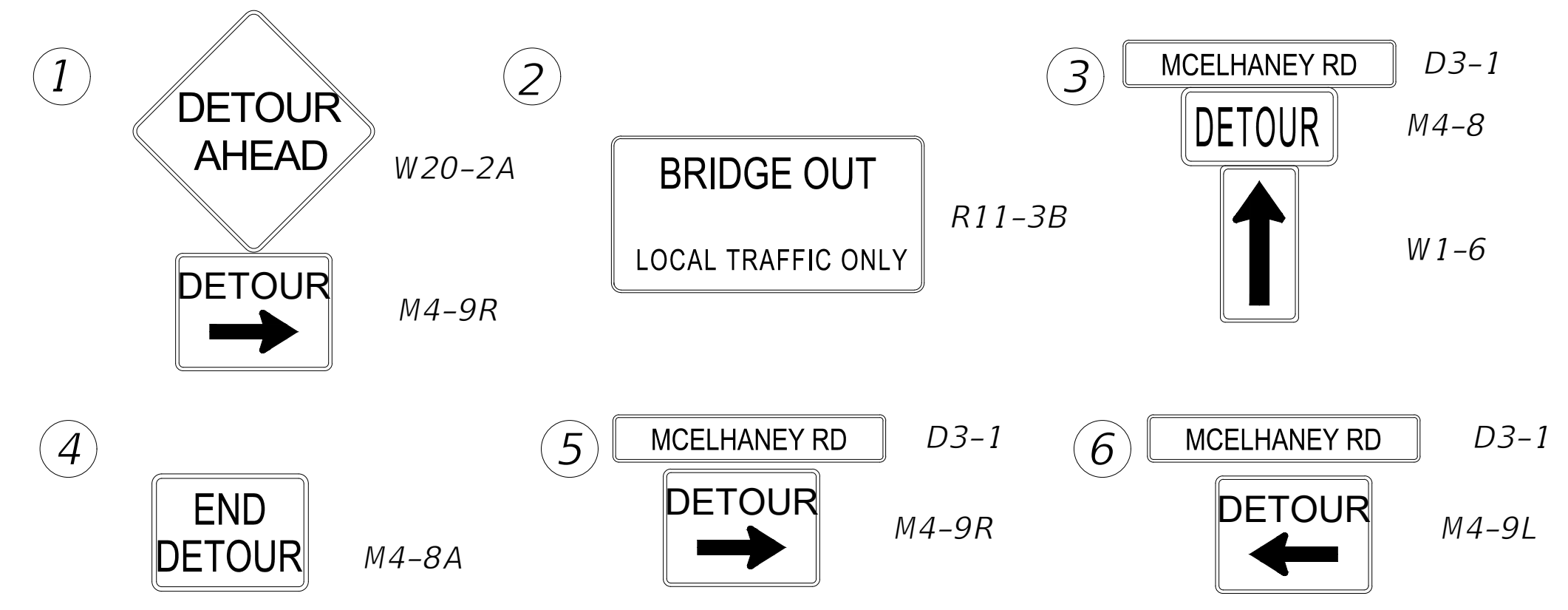
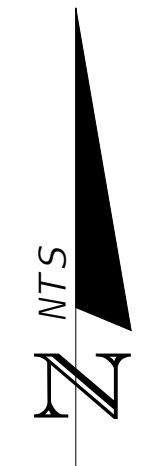
1. INSTALL CONSTRUCTION SIGNS, BARRICADES, EROSION CONTROL DEVICES. REMOVE CONFLICTING SIGNS.
2. INSTALL AND OPEN OFF-SITE DETOUR.
3. REMOVE EXISTING CULVERT (ONLY ONE STRUCTURE AT A TIME).
4. CONSTRUCT ROADWAY AND CULVERT, INCLUDING RIPRAP.
5. PLACE PERFORMANCE TURF (SOD).
6. PLACE FINAL MARKINGS AND SIGNS AS SHOWN IN THE SIGNING AND MARKING PLANS.

GENERAL NOTES:

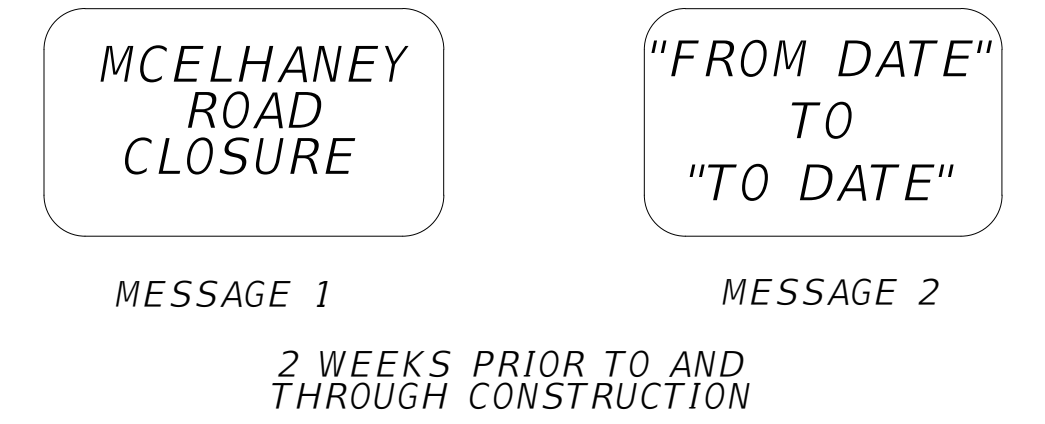
1. ARROWS DENOTE DIRECTION OF TRAFFIC ONLY AND DO NOT REFLECT PAVEMENT MARKINGS UNLESS OTHERWISE NOTED.
2. PORTABLE CHANGEABLE (VARIABLE) MESSAGE SIGNS SHALL BE UTILIZED AND LOCATED AS DIRECTED BY THE PROJECT ADMINISTRATOR. TYPICAL MESSAGE DISPLAYS ARE SHOWN ON THIS SHEET.

LEGEND

- TRAFFIC FLOW
- WORK ZONE SIGN
- PORTABLE CHANGEABLE (VARIABLE) MESSAGE SIGN
- TYPE III BARRICADE
- CHANNELIZING DEVICE



VARIABLE MESSAGE SIGNS:



MCELHANEY ROAD OFF-SITE DETOUR

MCELHANEY ROAD CULVERT REPAIRS

TEMPORARY TRAFFIC CONTROL PLAN

KARIE ANDERSON, P.E. No. 7370
 DATE: _____
 PROJECT LOCATION: 7200 & 8000 MCELHANEY ROAD
 PROJECT NUMBER: PD-02-07-7652.12
 PROJECT MANAGER: KARIE ANDERSON, P.E.

4189 WOODSTOCK ROSS RD • P.O. BOX 1000 • FORT WALTON BEACH, FL 32571
 TEL 850.289.1000 • FAX 850.289.1001
 Certificate of Authorization No. 9302

NUMBER	REVISIONS	DATE	APPROVED BY

SHEET 14

BOX CULVERT DATA TABLES

BOX, HEADWALL AND CUTOFF WALL DATA TABLE (inches unless shown otherwise)																			Table Date 7-01-09	
LOCATION	STRUCTURE /BRIDGE NUMBER	BOX									HEADWALL AND CUTOFF WALL									
		Wc(ft)	Hc(ft)	Tt	Tw	Tb	Ti	#cells	Lc(ft)	Cover	Blhw	Hlhw	Brhw	Hrh	Blcw	Hlcw	Brcw	Hrcw	SL(deg)	SR(deg)
STA 80+74.93	S-01/S-02	9	4	8	8	8	8	2	49	2	14	24	14	24	14	24	14	24	0	0

LEFT SIDE WINGWALLS DATA TABLE (inches unless shown otherwise)																		Table Date 01-01-11	
STRUCTURE / BRIDGE NUMBER	LEFT END WINGWALL									LEFT BEGIN WINGWALL									
	Rt	Rw	Rh	Rd	SW (deg)	β (deg)	He (ft)	Hs (ft)	Lw (ft)	Rt	Rw	Rh	Rd	SW (deg)	β (deg)	He (ft)	Hs (ft)	Lw (ft)	
S-01/S-02	12	12	36	12	90	10.9	6	6	14	12	12	36	12	90	10.9	6	6	14	

NOTES [Notes Date 3-06-23]:

- Environmental Class: Extremely Aggressive
- Reinforcing Steel: Grade 60
- Concrete Class: IV, $f'c = 5.5$ ksi
- Soil Properties:
Unit Weight: 43 pcf (Assumed Submerged)
Friction Angle: 29 degrees
Modulus of Subgrade Reaction: 59415 psf
Nominal Bearing Resistance: 5615 psf
- Work this Drawing with Standard Plans Index 400-289
- Settlement criteria for Precast Box Culvert option (Index 400-291):
Long Term Differential Settlement (ΔY) = N/A
Effective Length for Settlement = 47 ft

RIGHT SIDE WINGWALLS DATA TABLE (inches unless shown otherwise)																		Table Date 01-01-11	
STRUCTURE / BRIDGE NUMBER	RIGHT END WINGWALL									RIGHT BEGIN WINGWALL									
	Rt	Rw	Rh	Rd	SW (deg)	β (deg)	He(ft)	Hs(ft)	Lw(ft)	Rt	Rw	Rh	Rd	SW (deg)	β (deg)	He(ft)	Hs(ft)	Lw(ft)	
S-01/S-02	12	12	36	12	90	10.9	6	6	14	12	12	36	12	90	10.9	6	6	14	

ESTIMATED CONCRETE QUANTITIES (CY)																					Table Date 7-01-13	
STRUCTURE / BRIDGE NUMBER	BOX								LEFT END WINGWALL			LEFT BEGIN WINGWALL			RIGHT END WINGWALL			RIGHT BEGIN WINGWALL				
	Left Cutoff Wall	Right Cutoff Wall	Bottom Slab	Walls	Top Slab	Left Head Wall	Right Head Wall	Sub Total	Footing	Wall	Sub Total	Footing	Wall	Sub Total	Footing	Wall	Sub Total	Footing	Wall	Sub Total		
S-01/S-02	1.15	1.15	25.7	14.5	24.2	1.15	1.15	69.2	3.11	3.11	6.22	3.11	3.11	6.22	3.11	3.11	6.22	3.11	3.11	6.22		


MAIN STEEL REINFORCEMENT SPACING (inches)																			Table Date 7-01-09	
STRUCTURE / BRIDGE NUMBER	BOX															HEADWALLS		CUTOFF WALLS		
	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115, 116...	803	806	809	812	
S-01/S-02	6	6	6	6	6	6	12	12	12	12	12	12	12	12	12	12	12	12	12	

WINGWALL STEEL REINFORCEMENT SPACING (inches)																												Table Date 7-01-09	
STRUCTURE / BRIDGE NUMBER	LEFT END WINGWALL							LEFT BEGIN WINGWALL							RIGHT END WINGWALL							RIGHT BEGIN WINGWALL							
	401 (407(8))	402 (403)	404 (405)	406	409	410	411	501 (507(8))	502 (503)	504 (505)	506	509	510	511	601 (607(8))	602 (603)	604 (605)	606	609	610	611	701 (707(8))	702 (703)	704 (705)	706	709	710	711	
S-01/S-02	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	

WINGWALL NOTE: Bar designations in "()" are only required for variable height wingwalls.


VERIFICATION, CHECKER (RP) (Blue Highlighter) DATE DATE
 REMARK INCORPORATION (Blue Highlighter) DATE DATE
 ORIGINATOR VERIFICATION (Red Highlighter) DATE DATE
 ORIGINATOR (RP) (Red Pen X-Out to Disagree or Remark) DATE DATE
 CHECKER (RP) (Red Pen X-Out to Disagree or Remark) DATE DATE
 CHANGE INCORPORATION (Yellow Highlighter) DATE DATE
 ORIGINATOR (RP) Correct (Green Highlighter) Change (Red Pen) DATE DATE
 PRODUCTION CHECKING COMPLETE, READY FOR SUBMITTAL REVIEW (RP) DATE DATE
 REVIEW DATE DATE
 SIGNATURE:

MCELHANEY ROAD
CULVERT REPAIRS



ESCAMBIA COUNTY FLORIDA

KARLE ANDERSON, P.E. No. 7370
 DATE: _____
 PROJECT LOCATION: 7200 & 8000 MCELHANEY ROAD
 PROJECT NUMBER: _____
 PROJECT MANAGER: KARLE ANDERSON, P.E.
 PD: 02-03-7952.12



4189 W. STATE ROAD 9054 • P.O. Box 32571
 Tallahassee, FL 32310 • Tel: 904.289.1000 • Fax: 904.289.1001
 Certificate of Authorization No. 9302

NUMBER	REVISIONS	DATE	APPROVED BY

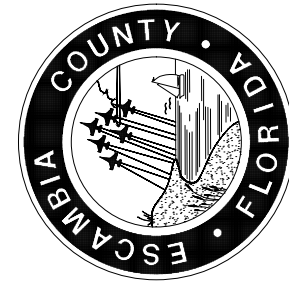
SHEET **15**

PHASE REVIEW SIGNATURE: ORIGINATOR (RP) PRODUCTION CHECKING COMPLETE, READY FOR SUBMITTAL REVIEW (RP) DATE ORIGINATOR (RP) CHECKER (RP) CHANGE INCORPORATION ORIGINATOR (RP) CORRECT (Green Highlighter) Change (Red Pen) DATE CHECKER (RP) (Red Pen X-Out to Disagree or Remark) ORIGINATOR (RP) CORRECT (Blue Highlighter) REMARK INCORPORATION (Blue Highlighter) VERIFICATION, CHECKER (RP) DATE ORIGINATOR VERIFICATION CORRECT (Pink Highlighter) DATE

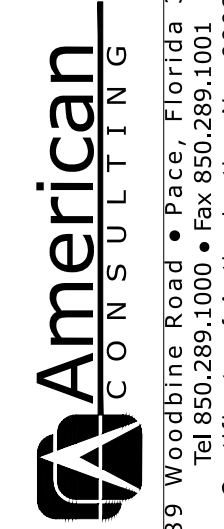
Table with columns: MARK, LENGTH, NO, TYP, STY, B, C, D, E, F, H, J, K, N, I. Sub-headers: SIZE, DES, FT, IN, BARS, BAR, A, G, FT, IN, FR, FT, IN, FR, FT, IN, FR, FT, IN, FR, FT, IN, FR, FT, IN, FR, NO, ANG. Rows are grouped by location: MAIN BOX, LEFT END WINGWALL, LEFT BEGIN WINGWALL, RIGHT END WINGWALL. Includes 'NO. REQUIRED = 1' for various sections.

Table with columns: MARK, LENGTH, NO, TYP, STY, B, C, D, E, F, H, J, K, N, I. Sub-headers: SIZE, DES, FT, IN, BARS, BAR, A, G, FT, IN, FR, FT, IN, FR, FT, IN, FR, FT, IN, FR, FT, IN, FR, NO, ANG. Rows are grouped by location: RIGHT BEGIN WINGWALL, LEFT HEADWALL, RIGHT HEADWALL, LEFT CUTOFF WALL, RIGHT CUTOFF WALL. Includes 'NO. REQUIRED = 1' for various sections.

END OF LIST



KARLE ANDERSON, P.E. No. 7370 DATE PROJECT LOCATION: 7200 & 8000 MCELHANEY ROAD PROJECT NUMBER: PD-02-03-7652.12 PROJECT MANAGER: KARLE ANDERSON, P.E.



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Table with columns: NUMBER, DATE, APPROVED BY, SHEET 16

MCELHANEY ROAD CULVERT REPAIRS BOX CULVERT DATA TABLES (2)