

SHEET DESCRIPTION

1	COVER SHEET
2	GENERAL NOTES AND TABULATION OF QUANTITIES
3	PLAN AND PROFILE
4-5	CROSS SECTIONS
6-7	PROFILE VIEW

HIGHLANDS COUNTY BOARD OF COUNTY COMMISSIONERS

CONSTRUCTION PLANS

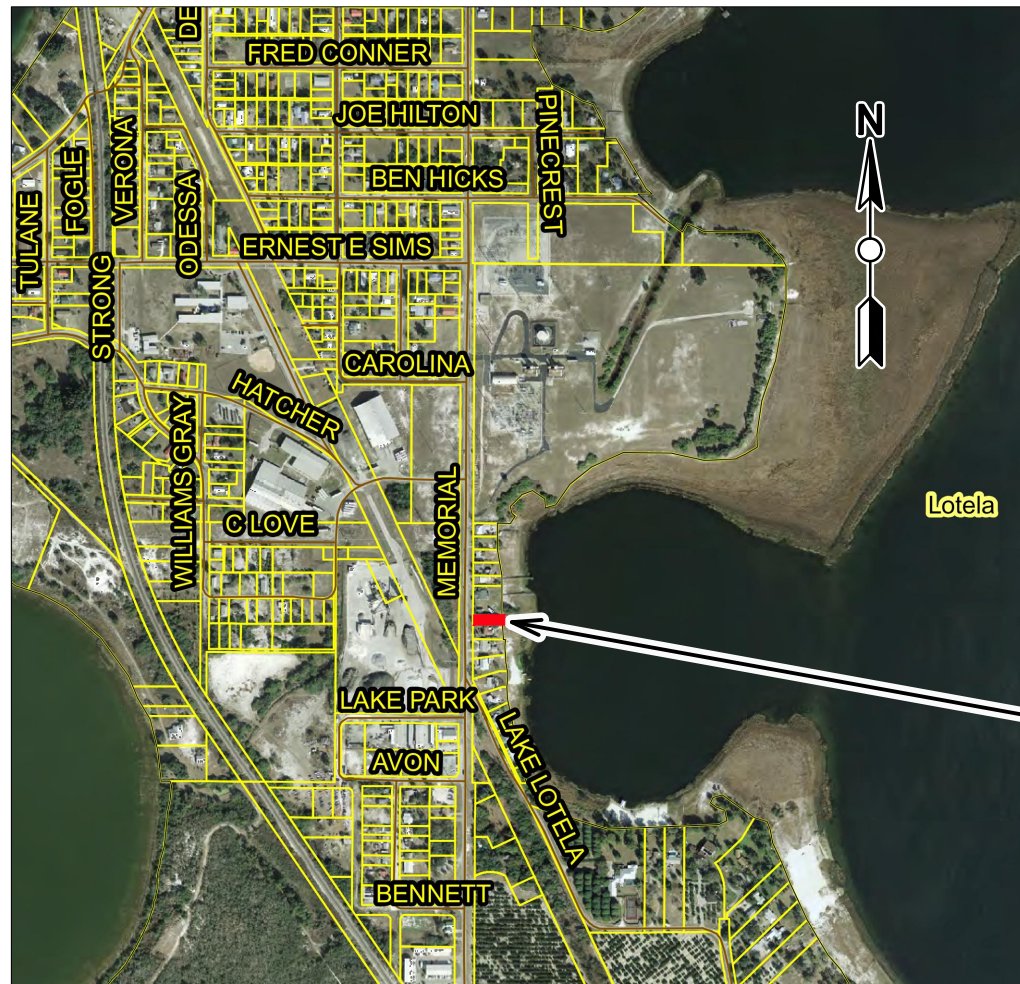
FOR

MEMORIAL DRIVE DITCH

CULVERT EXTENSION

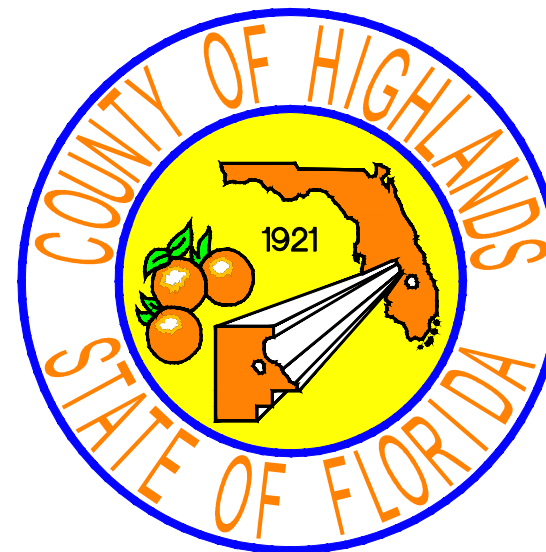


STATE LAW REQUIRES EXCAVATORS TO CALL 811 BEFORE DIGGING PER THE "UNDERGROUND FACILITY DAMAGE PREVENTION AND SAFETY ACT" CHAPTER 556, FLORIDA STATUTES. FAILURE TO CALL CAN RESULT IN FINES FROM \$250 TO \$5,000.



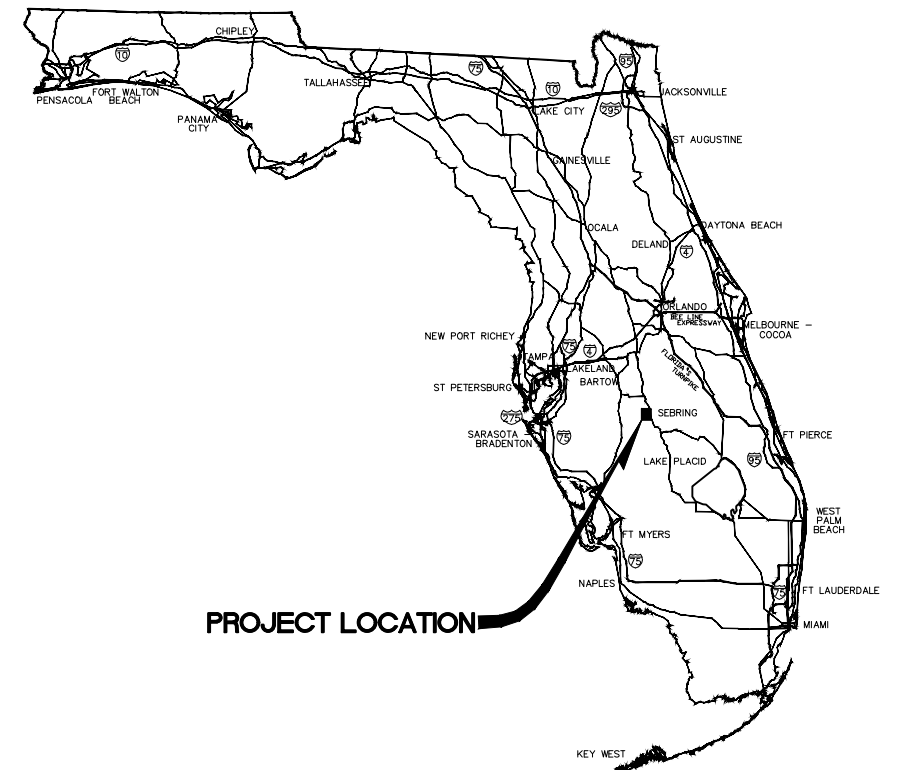
PROJECT LOCATION MAP
(NOT TO SCALE)

HIGHLANDS COUNTY
PROJECT NUMBER 12054



COUNTY ENGINEER
CLINTON HOWERTON, P.E.

ENGINEER OF RECORD
JAMES D. LANGFORD, P.E.



PROJECT LOCATION

GOVERNING STANDARD PLANS:

Florida Department of Transportation, FY2022-23 Standard Plans for Road and Bridge Construction and applicable Interim Revisions (IRs).

Standard Plans for Road Construction and associated IRs are available at the following website:
<http://www.fdot.gov/design/standardplans>

GOVERNING STANDARD SPECIFICATIONS:

Florida Department of Transportation, January 2022 Standard Specifications for Road and Bridge Construction at the following website:
<http://www.fdot.gov/programmanagement/implemented/SpecBooks>

PLANS PREPARED BY HIGHLANDS COUNTY ENGINEERING DEPARTMENT

ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS MAY HAVE BEEN ALTERED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.

REVISIONS			STATUS	DESIGNED BY:	HIGHLANDS COUNTY ENGINEERING DEPARTMENT 505 S. COMMERCE AVENUE SEBRING, FLORIDA 33870		MEMORIAL DRIVE DITCH CULVERT REPLACEMENT AND EXTENSION	SCALE:		
DATE	BY	DESCRIPTION	FOR CONSTRUCTION	J.D. LANGFORD, JR., P.E.				HORIZ. N/A		
12-31-13	EFN\TH	ADD EXIST. GAS LINE APPROX. 21' WEST OF MEMORIAL DR. ☺			DRAWN BY:	APPROVED BY: JAMES D. LANGFORD, JR., P.E. FLORIDA REGISTRATION NO.: 78402		COVER SHEET	VERT. N/A	
1-9-14	EFN\TH	CHANGE BENCHMARK (BM1 AND BM2) LOCATIONS	CHECKED BY:		DATE:				PROJECT NO.	REV.
4-14-21	BWD	REVISED 38"x60" LENGTH	J.D. LANGFORD, JR., P.E.						12054	2
11-30-21	BWD	ADDED DEWATERING AREA FILL PLACEMENT	IN CHARGE:		4/14/2021				SHEET 1 OF 7	
			CLINTON HOWERTON, P.E.							

©: \PROJECTS\2012\12054 Memorial Drive Ditch Culvert Extension\All Drawings\Memorial Drive ditch closure eg PP 3-31-21.dwg, 1 COV, Colors As Black Except Gray Colors.ctb

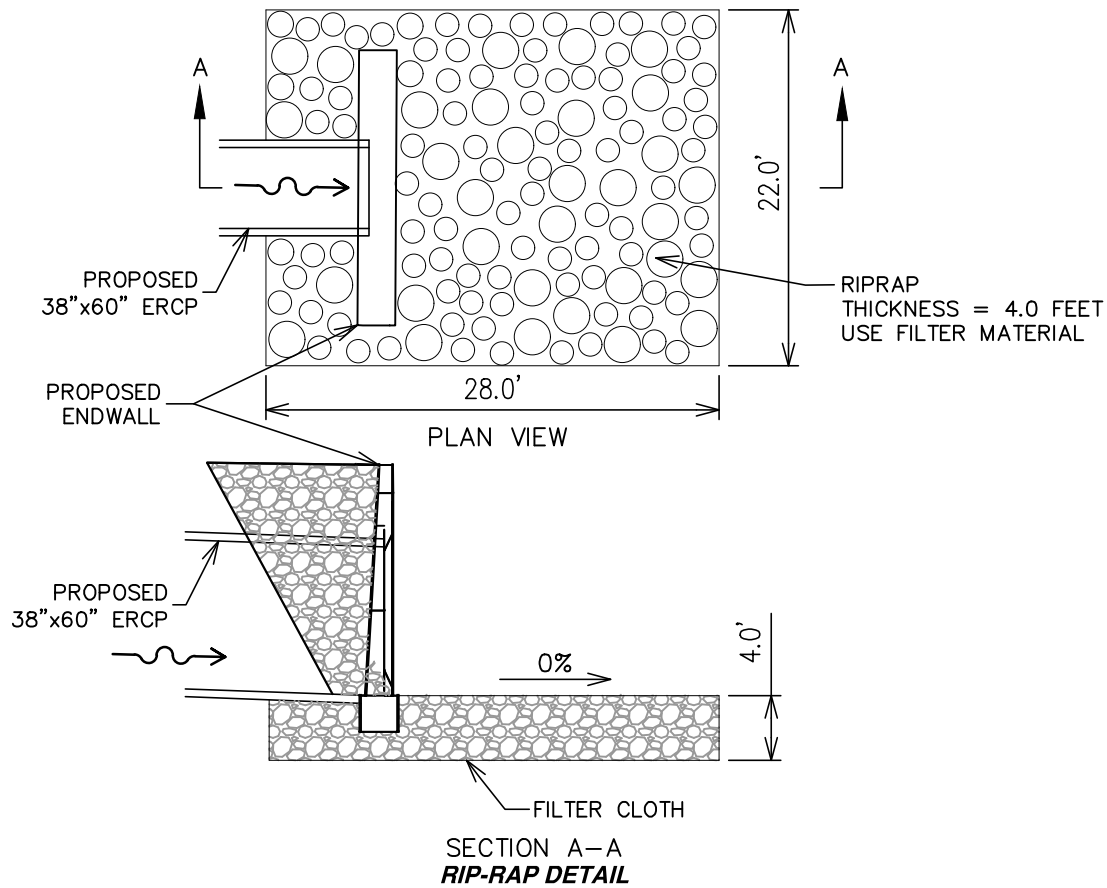
SURVEY & STAKEOUT NOTES:

- EXISTING SECTION CORNERS AND 1/4 SECTION CORNERS, AND OTHER LAND MARKERS OR MONUMENTS LOCATED WITHIN PROPOSED CONSTRUCTION ARE TO BE REFERENCED PRIOR TO CONSTRUCTION AND RESET AFTER CONSTRUCTION. THE CONTRACTOR SHALL HAVE THIS WORK DONE BY A REGISTERED PROFESSIONAL LAND SURVEYOR AT THE CONTRACTOR'S EXPENSE (FLORIDA REGISTRATION). ANY PUBLIC LAND CORNER WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED. IF A CORNER MONUMENT IS IN DANGER OF BEING DESTROYED AND HAS NOT BEEN PROPERLY REFERENCED, THE CONTRACTOR SHOULD NOTIFY THE COUNTY SURVEYOR, WITHOUT DELAY, BY TELEPHONE.
- B.M. DATA IS NORTH AMERICA VERTICAL DATUM OF 1988 (NAVD 88)..

GENERAL NOTES:

- THE EXISTING DRAINFIELD AND SEPTIC TANK SHALL BE LOCATED PRIOR TO START ANY WORK FOR THE ADJACENT PROPERTY LOCATED AT 1140 MEMORIAL DRIVE AND SOUTH OF THE EXISTING DITCH.
- TEMPORARY SEDIMENT BARRIER SHALL BE INSTALLED PRIOR TO START WORK.
- FLOATING TURBIDITY BARRIER SHALL BE INSTALLED AT THE DOWNSTREAM OF THE PROJECT AREA.
- SOD SHALL BE INSTALLED WITHIN THE 35' WIDE EASEMENT AND AT ANY OTHER DISTURBED LOCATION.
- TEMPORARY WRITTEN PERMISSION FROM ADJACENT PROPERTY OWNER FOR ANY TEMPORARY WORK OUTSIDE THE EASEMENT OR WITHIN PRIVATE PROPERTY SHALL BE REQUIRED PRIOR TO START ANY WORK.
- THE LOCATIONS OF EXISTING UTILITIES SHOWN IN THE PLANS ARE APPROXIMATE ONLY. THE EXACT LOCATIONS SHALL BE DETERMINED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. IN ADDITION, THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY IF OTHER UTILITIES NOT SHOWN IN THE PLANS EXIST WITHIN THE AREA OF CONSTRUCTION. SHOULD THERE BE UTILITY CONFLICTS, THE CONTRACTOR SHALL INFORM THE ENGINEER AND NOTIFY THE RESPECTIVE UTILITY OWNERS TO RESOLVE UTILITY CONFLICTS AND UTILITY ADJUSTMENTS AS REQUIRED.

TASK NO.	ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNIT
1	101	MOBILIZATION	1	LS
2a	101-1	BONDS	1	LS
2b	101-1	INSURANCE	1	LS
3	105	CONSTRUCTION SURVEY STAKING INCLUDING A-S-BUILT	1	LS
4	102-1	MAINTENANCE OF TRAFFIC	1	LS
5	104-12	STAKED SEDIMENT BARRIER	120	LF
6	104-11	FLOATING TURBIDITY BARRIER	191	LF
7	110-1	CLEARING & GRUBBING	1	LS
8	120-1	REGULAR EXCAVATION	1	LS
9	120-6	EMBANKMENT (IN PLACE)	1,063	CY
10	425-2	STORM MANHOLE TYPE J7	1	EA
11	425-1	INLET TYPE "H" (2-GRATE) MODIFICATIONS, TRANSPORT, & INSTALLATION	1	EA
12	430-17	38"X60" ERCP, TRANSPORT & INSTALLATION	128	LF
13	430-5	CONCRETE ENDWALL, TRANSPORT & INSTALLATION	1	EA
14	530-3	RUBBLE RIP-RAP	8	TN
15	570-1	PERFORMANCE TURF (SOD) LIKE KIND	571	SY



UTILITY COMPANIES

Kenneth R. Lutz
 CenturyLink Engineering
 924 Memorial Dr.
 Avon Park, FL 33825
 (W) (863) 452-3185
 (C) (863) 214-1490
 (F) (863) 452-3472
ken.lutz@centurylink.com

Mike McDuffy
 Glades Electric Co-op
 PO Box 519
 Moore Haven, FL 33471
 (863) 441-3134
 (863) 946-0061

Highlands County (Fiber Optic cable)
 Clinton "Gator" Howerton
 505 S Commerce Av
 Sebring, FL 33870
 (863) 402-6877
chowerton@hcbcc.org

Mark R. Manner
 Sr. Engineer (Distribution)
 Duke Energy
 2051 Old Scenic Highway
 Lake Wales, FL 33898
 (863) 678-4476
Mark.Manner@duke-energy.com

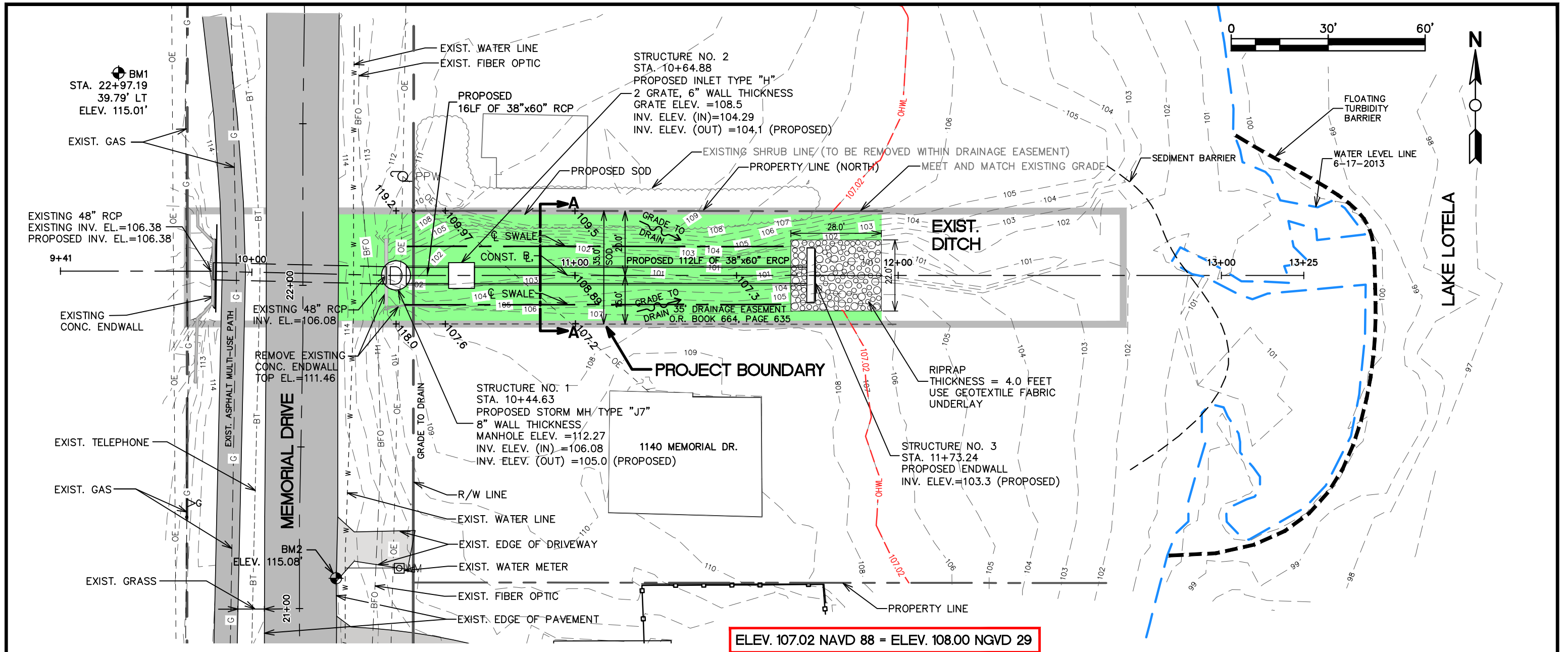
City of Avon Park Utilities
 110 E. Main St.
 Avon Park, FL 33825
 (863) 452-4433

Highlands County Traffic
 Edward Cardona
 505 S Commerce Av
 Sebring, FL 33870
 (863) 402-6536
Ecardona@hcbcc.org

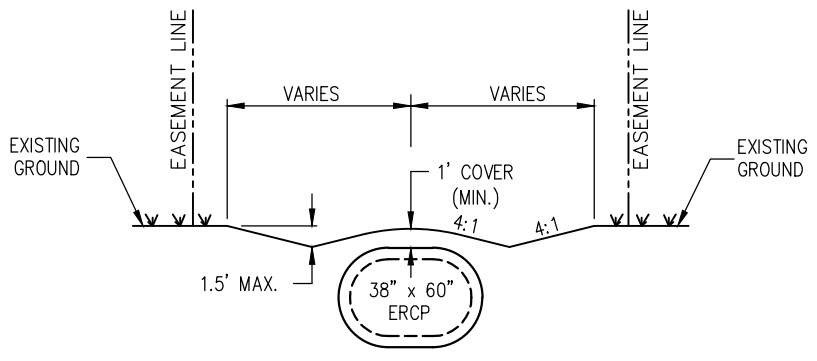
Comcast Cable
 3010 Herring Av
 Sebring, FL 33870
 (C) (863) 273-8556

TECO Peoples Gas
 3706 23rd St.
 Panama City, FL 32405
 (877) 832-6747


<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">REVISIONS</th> <th rowspan="2" style="text-align: center; vertical-align: middle; font-size: 2em; color: red;">FOR CONSTRUCTION</th> <th rowspan="2" style="text-align: center; vertical-align: middle;">STATUS</th> <th rowspan="2" style="text-align: center; vertical-align: middle;">DESIGNED BY: J.D. LANGFORD, JR., P.E.</th> <th rowspan="2" style="text-align: center; vertical-align: middle;">DRAWN BY: BRUCE DOREY</th> <th rowspan="2" style="text-align: center; vertical-align: middle;">CHECKED BY: J.D. LANGFORD, JR., P.E.</th> <th rowspan="2" style="text-align: center; vertical-align: middle;">IN CHARGE: CLINTON HOWERTON, P.E.</th> <th rowspan="2" style="text-align: center; vertical-align: middle;">DATE: 4/14/2021</th> </tr> <tr> <th>DATE</th> <th>BY</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td>1-13-22</td> <td>JDL\BD</td> <td>CHANGED ITEMS LIST</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>			REVISIONS		FOR CONSTRUCTION	STATUS	DESIGNED BY: J.D. LANGFORD, JR., P.E.	DRAWN BY: BRUCE DOREY	CHECKED BY: J.D. LANGFORD, JR., P.E.	IN CHARGE: CLINTON HOWERTON, P.E.	DATE: 4/14/2021	DATE	BY	DESCRIPTION	1-13-22	JDL\BD	CHANGED ITEMS LIST							<p>HIGHLANDS COUNTY ENGINEERING DEPARTMENT 505 S. COMMERCE AVENUE SEBRING, FLORIDA 33870</p>				<p>MEMORIAL DRIVE DITCH CULVERT REPLACEMENT AND EXTENSION</p> <p>GENERAL NOTES AND TABULATION OF QUANTITIES</p>		<p>SCALE: HORIZ. N/A VERT. N/A</p> <p>PROJECT NO. 12054 REV. 2</p> <p>SHEET 2 OF 7</p>	
REVISIONS		FOR CONSTRUCTION	STATUS	DESIGNED BY: J.D. LANGFORD, JR., P.E.								DRAWN BY: BRUCE DOREY	CHECKED BY: J.D. LANGFORD, JR., P.E.	IN CHARGE: CLINTON HOWERTON, P.E.	DATE: 4/14/2021																
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				APPROVED BY: JAMES D. LANGFORD, JR., P.E. FLORIDA REGISTRATION NO.: 78402		DATE:																									

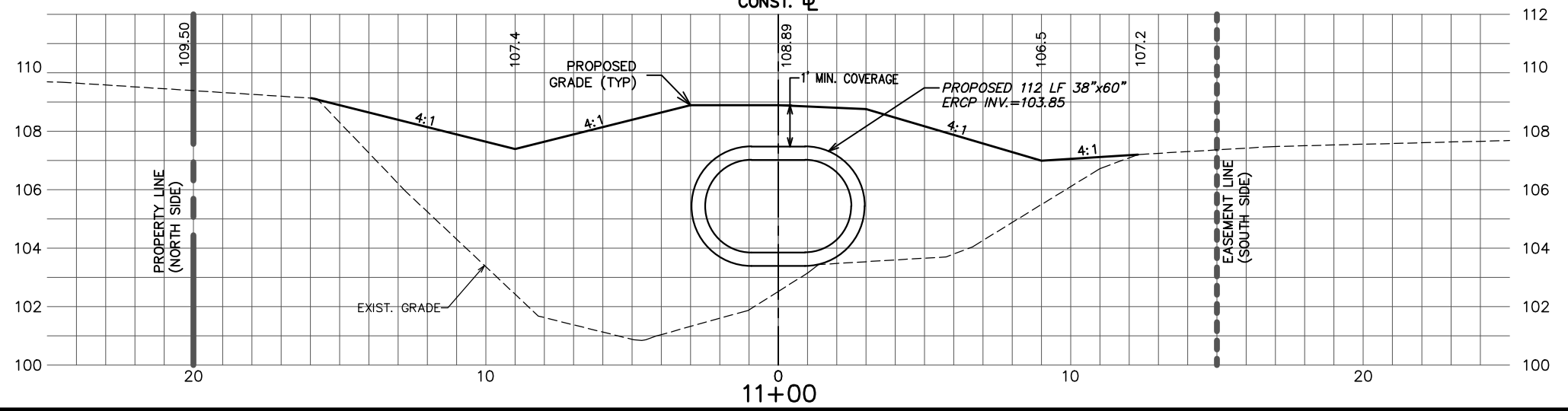
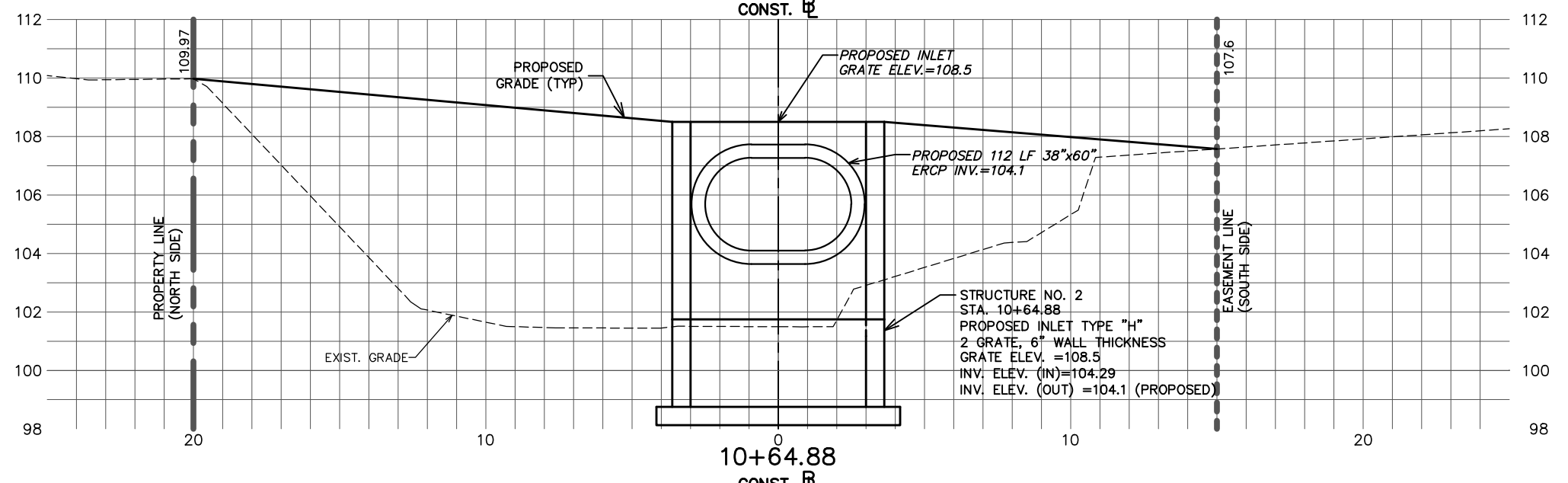
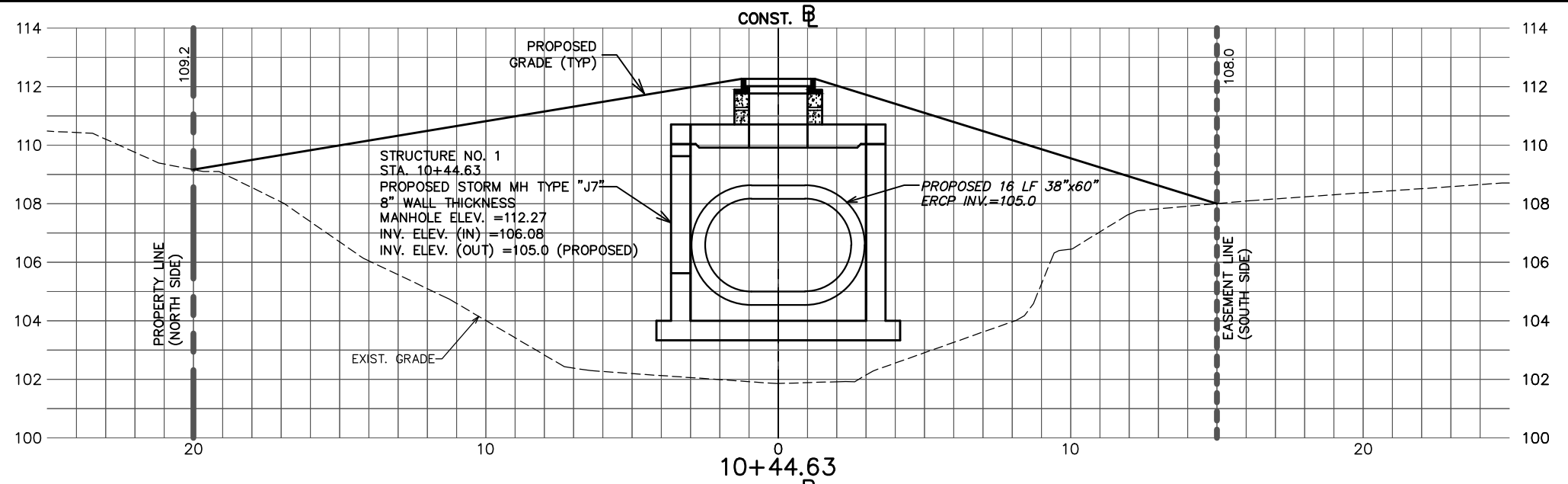


ELEV. 107.02 NAVD 88 = ELEV. 108.00 NGVD 29



SECTION A-A
NOT TO SCALE

REVISIONS			STATUS		DESIGNED BY: J.D. LANGFORD, JR., P.E.		HIGHLANDS COUNTY ENGINEERING DEPARTMENT 505 S. COMMERCE AVENUE SEBRING, FLORIDA 33870		MEMORIAL DRIVE DITCH CULVERT REPLACEMENT AND EXTENSION		SCALE: HORIZ. 1"=30'					
DATE	BY	DESCRIPTION	FOR CONSTRUCTION	CHECKED BY: J.D. LANGFORD, JR., P.E. IN CHARGE: CLINTON HOWERTON, P.E. DATE: 4/14/2021	APPROVED BY: JAMES D. LANGFORD, JR., P.E. FLORIDA REGISTRATION NO.: 78402	DATE:			VERT. 1"=10'	PROJECT NO. 12054	REV. 2	SCALE:				
12-31-13	EFN\TH	ADD EXIST. GAS LINE APPROX. 21' WEST OF MEMORIAL DR. ☐														
1-9-14	EFN\TH	CHANGE BENCHMARK (BM1 AND BM2) LOCATIONS														
3-31-21	BWD	CHANGE PIPE LENGTH														
1-13-22	JDL\BD	ADDED INV. ELEV.=103.3 (PROPOSED)														
G:\PROJECTS\2012\12054 Memorial Drive Ditch Culvert Extension\All Drawings\Memorial Drive ditch closure eg PP 3-31-21.dwg, 3 PP, Colors As Black Except Gray Colors.ctb																
								PLAN AND PROFILE		SHEET 3 OF 7						



REVISIONS		
DATE	BY	DESCRIPTION
1-13-22	JDL\BWD	CHANGED PROPOSED 112 LF 38"x60" ERCP INV. TO 103.85

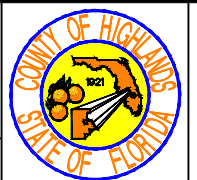
STATUS
FOR CONSTRUCTION

DESIGNED BY: J.D. LANGFORD, JR., P.E.
 DRAWN BY: BRUCE DOREY
 CHECKED BY: J.D. LANGFORD, JR., P.E.
 IN CHARGE: CLINTON HOWERTON, P.E.
 DATE: 4/14/2021

**HIGHLANDS COUNTY
 ENGINEERING DEPARTMENT**
 505 S. COMMERCE AVENUE
 SEBRING, FLORIDA 33870

APPROVED BY: JAMES D. LANGFORD, JR., P.E.
 FLORIDA REGISTRATION NO.: 78402

DATE: _____

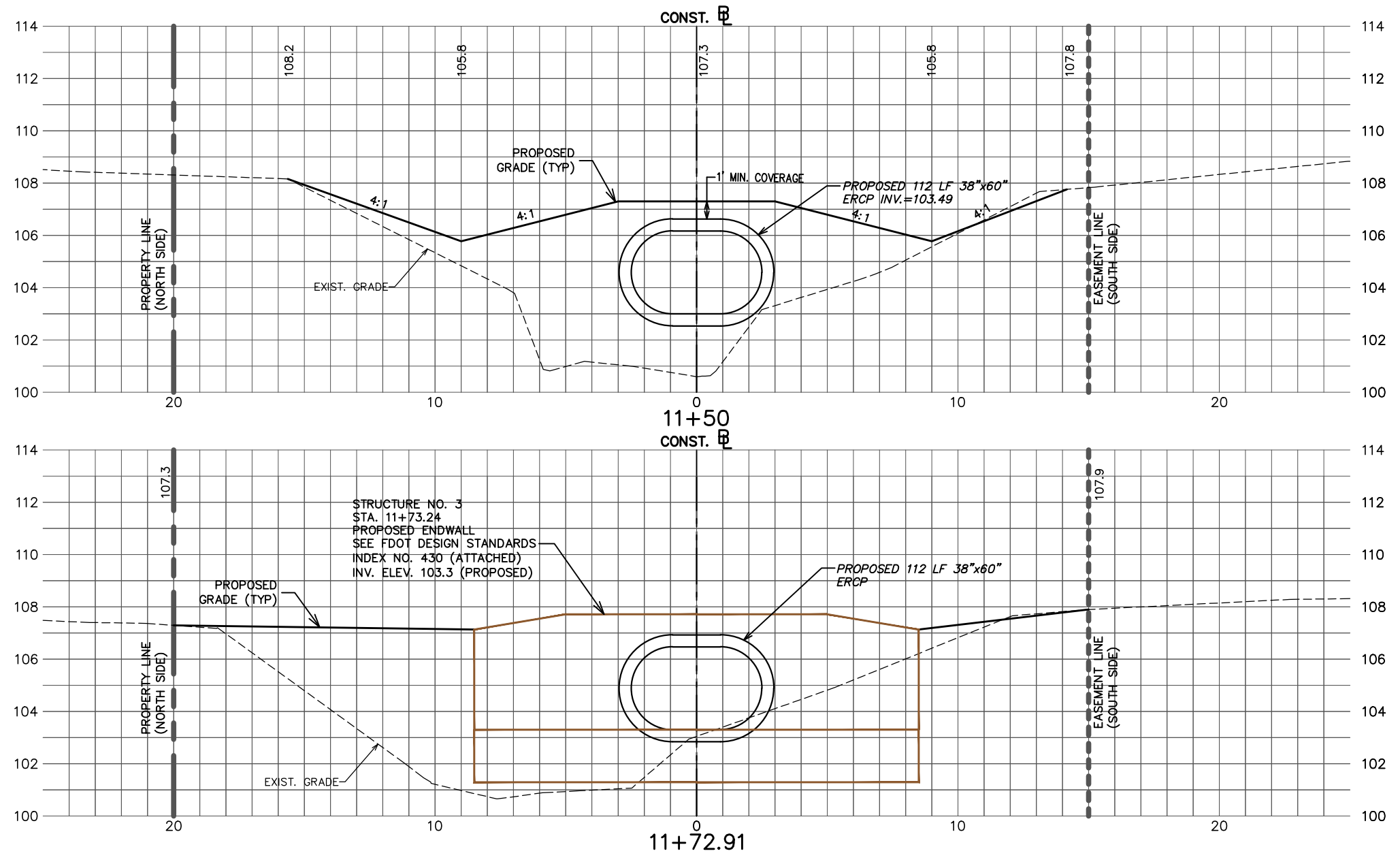


**MEMORIAL DRIVE DITCH CULVERT
 REPLACEMENT AND EXTENSION**

CROSS SECTIONS

SCALE: HORIZ. 1"=5' VERT. 1"=5'	
PROJECT NO. 12054	REV. 2
SHEET 4 OF 7	

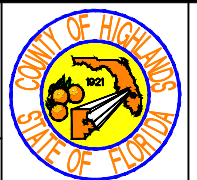
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REVISIONS		
DATE	BY	DESCRIPTION
1-13-22	JDL\BWD	CHANGED PROPOSED 112 LF 38"x60" ERCP INV. TO 103.49

FOR
CONSTRUCTION

**HIGHLANDS COUNTY
ENGINEERING DEPARTMENT**
505 S. COMMERCE AVENUE
SEBRING, FLORIDA 33870



**MEMORIAL DRIVE DITCH CULVERT
REPLACEMENT AND EXTENSION**

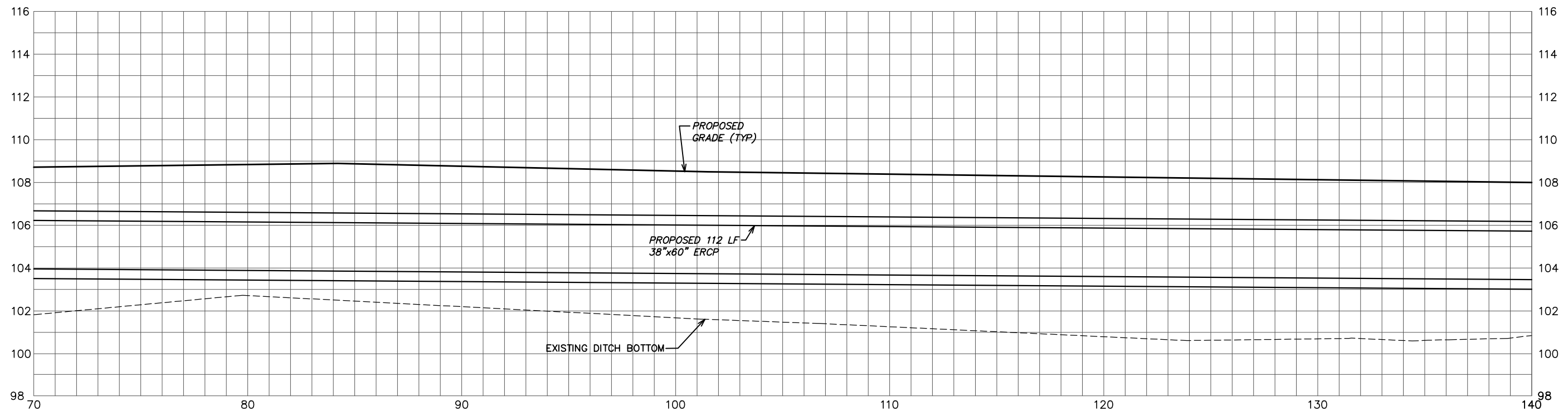
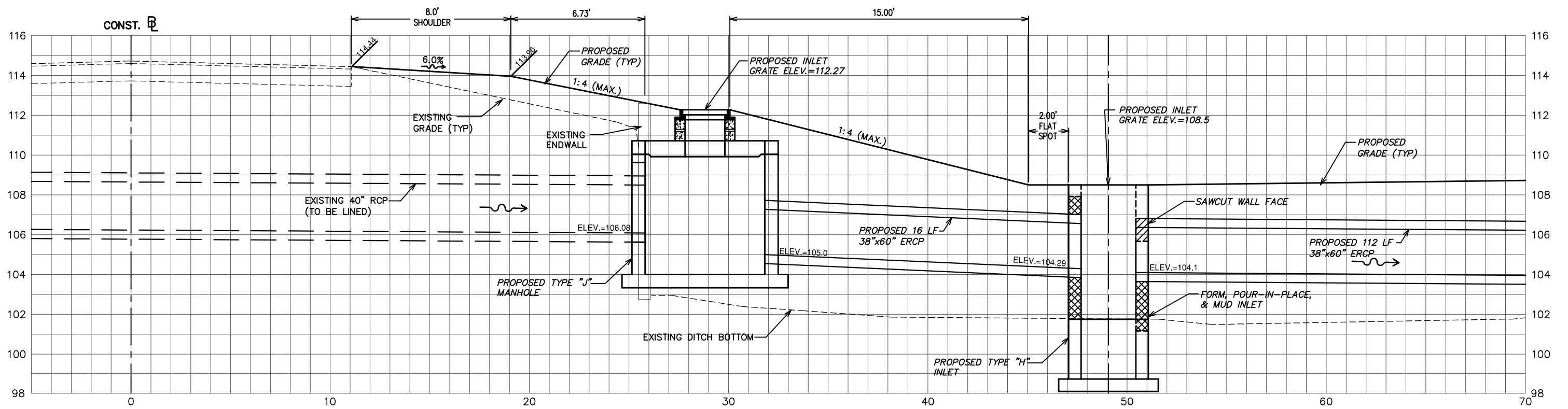
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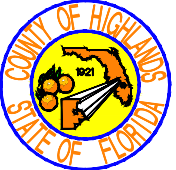
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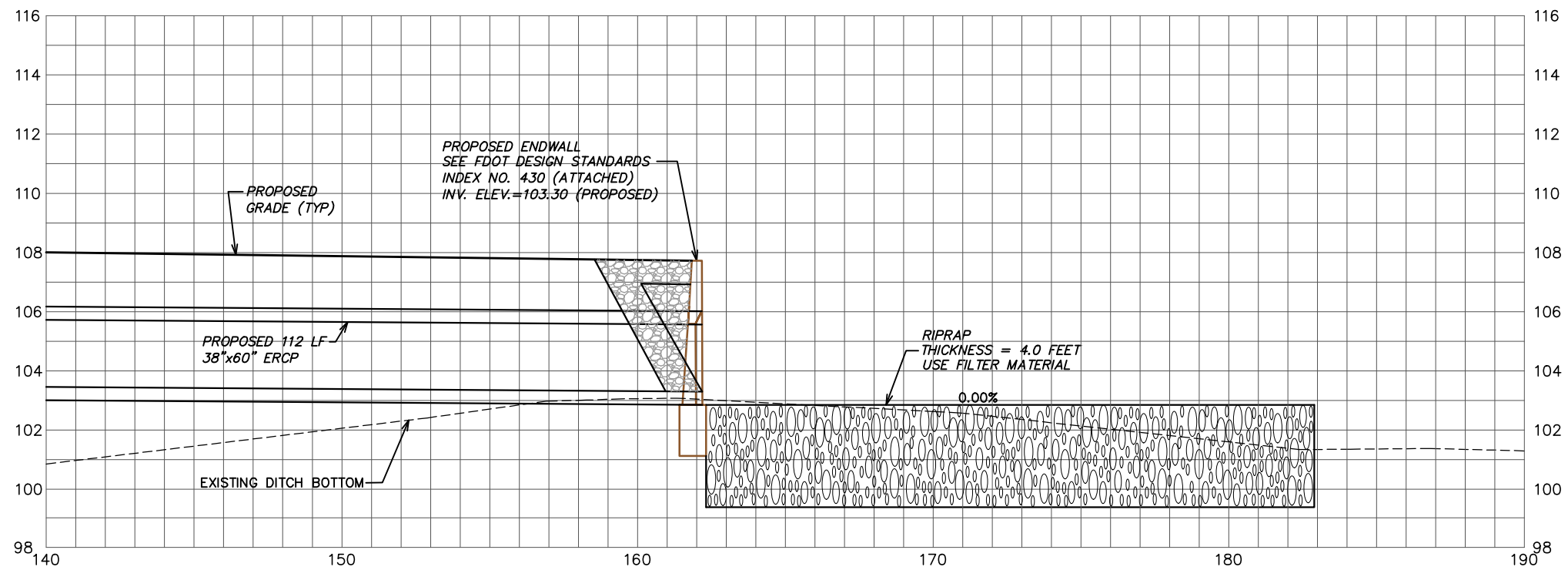
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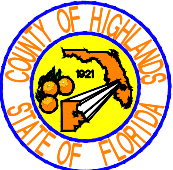
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														SHEET 6 OF 7



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