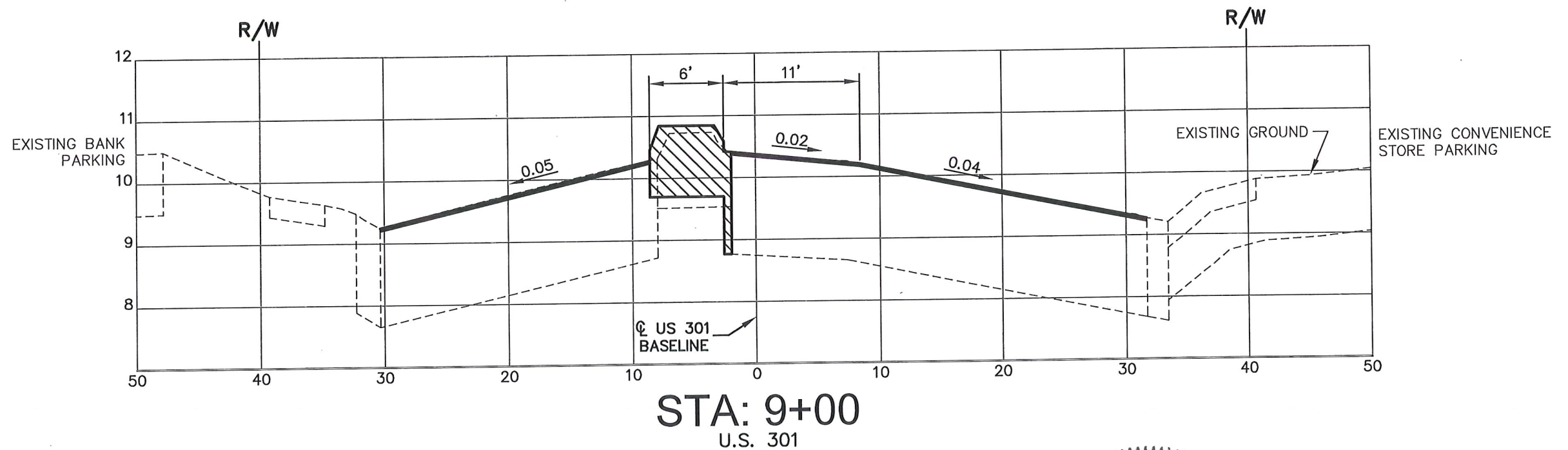
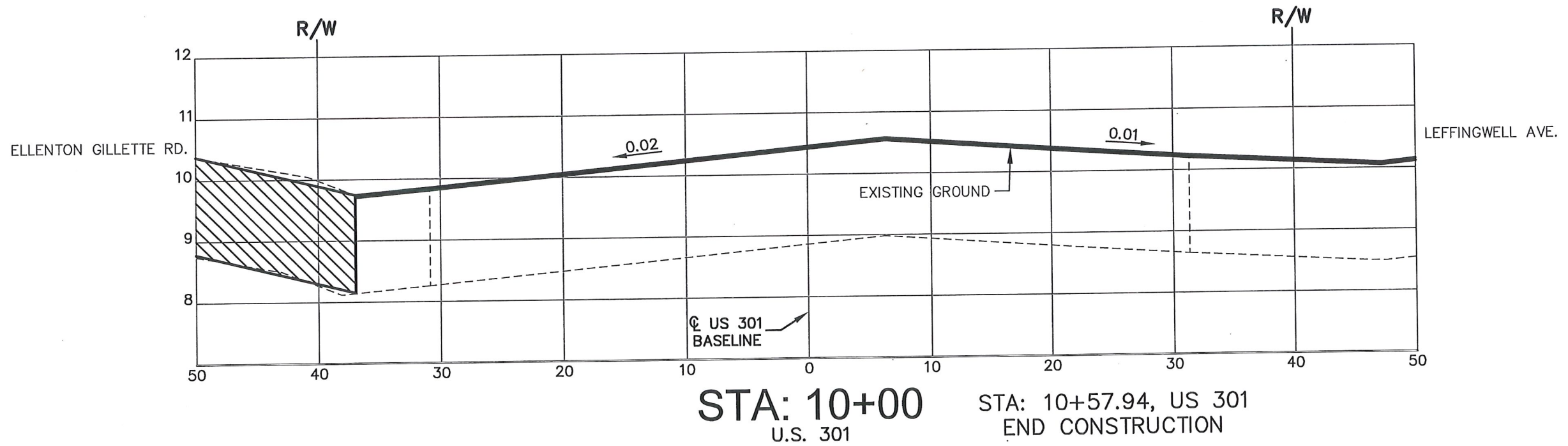


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CROSS SECTIONS
US 301 AT ELLENTON GILLETTE ROAD,
INTERSECTION IMPROVEMENTS

REVISIONS
09/2015 FDOT COMMENTS

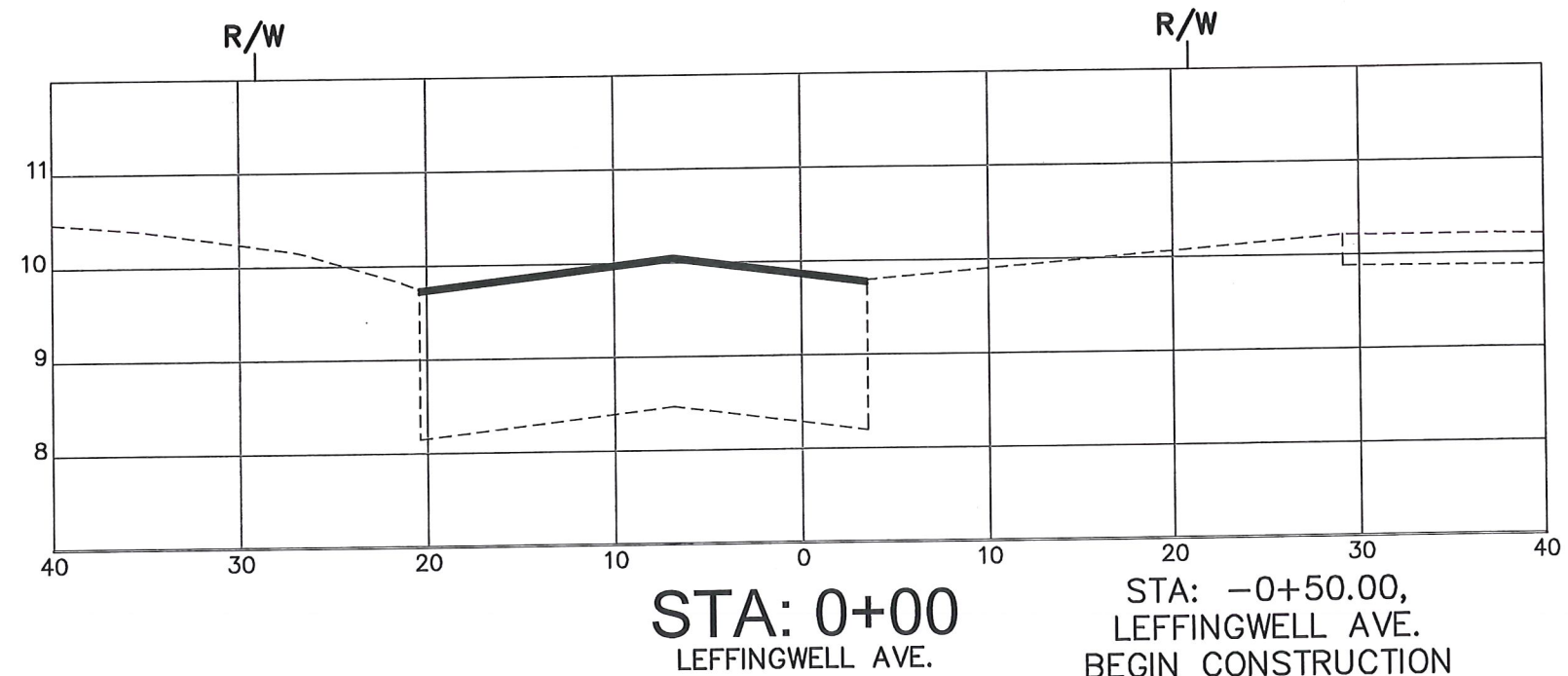
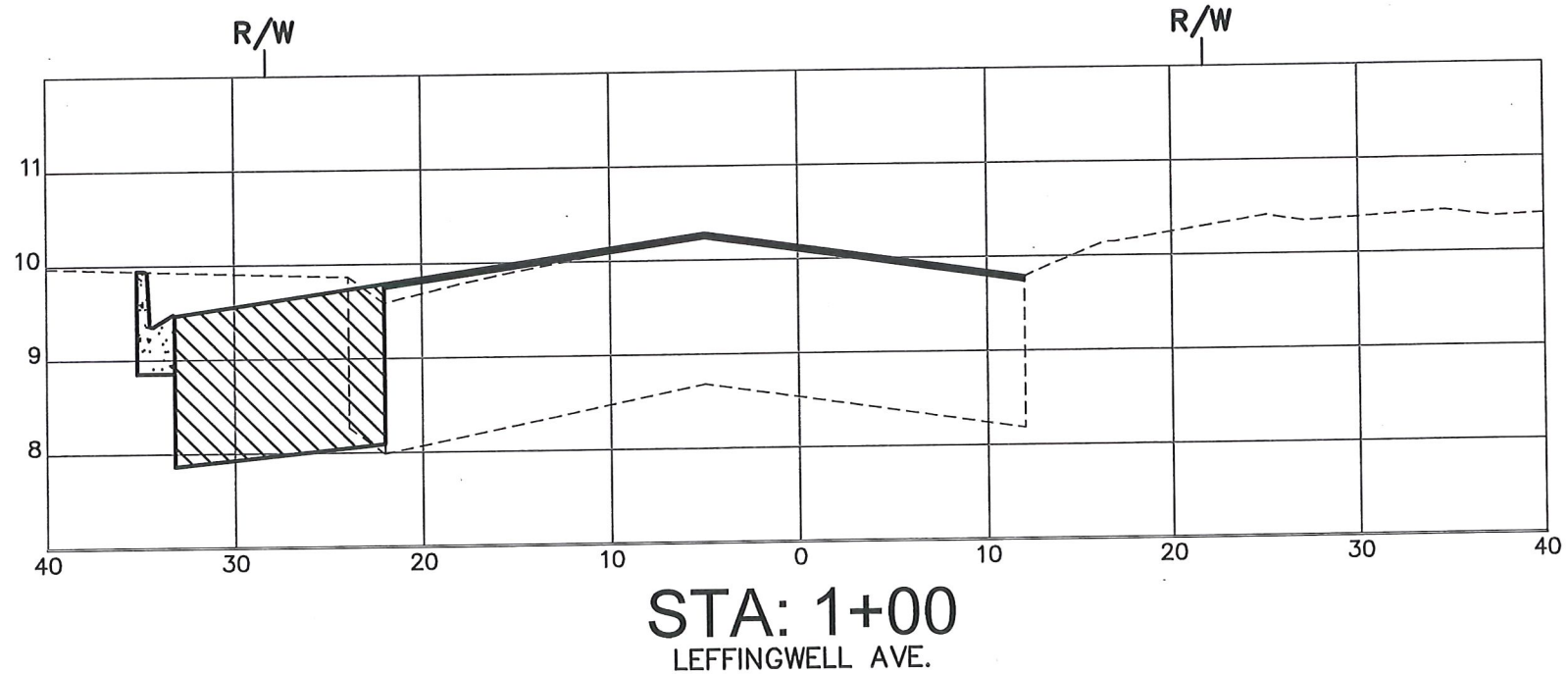
LOMBARDO, FOLEY & KOLARIK, INC.
No. 30000 Consulting Engineers, Surveyors and Planners
P.O. Box 188 • 825 4th Street West • Palmetto, Florida 34221 • (941) 722-4561
PROFESSIONAL ENGINEER
JOHN R. FOLEY
P.E. REG. NO. 38630

DESIGN	JRF.	DATE	03/14/14
DRAWN	PG.	SCALE	1"=10'H 1"=2' V
APPR.	JRF.	JOB NO.	7870

LF&K

SHEET NO.
23 / **44**

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CROSS SECTIONS
US 301 AT ELLENTON GILLETTE ROAD,
INTERSECTION IMPROVEMENTS

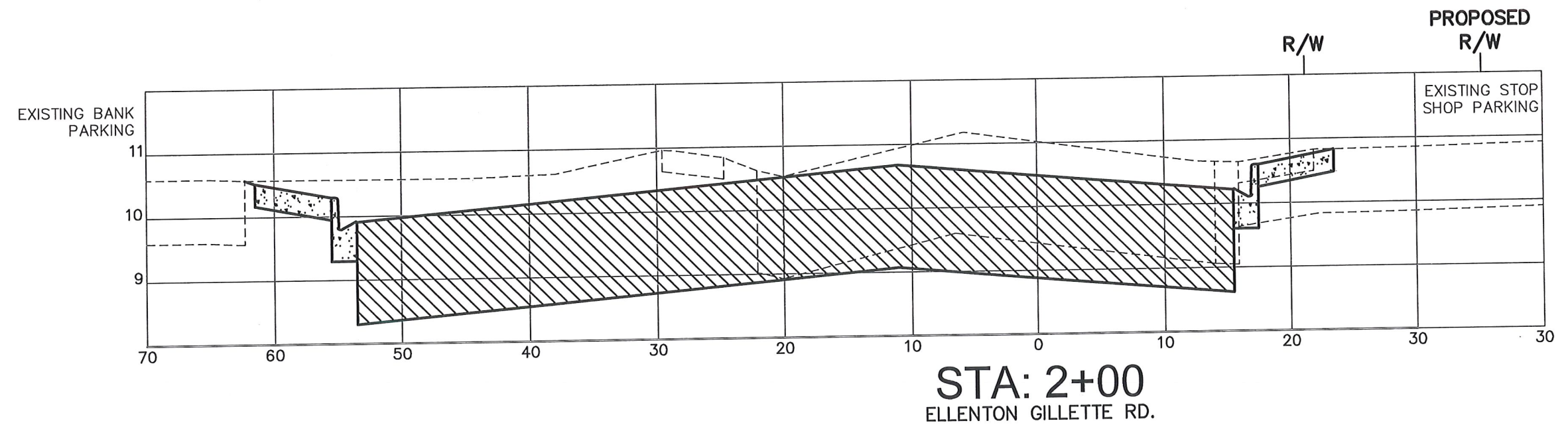
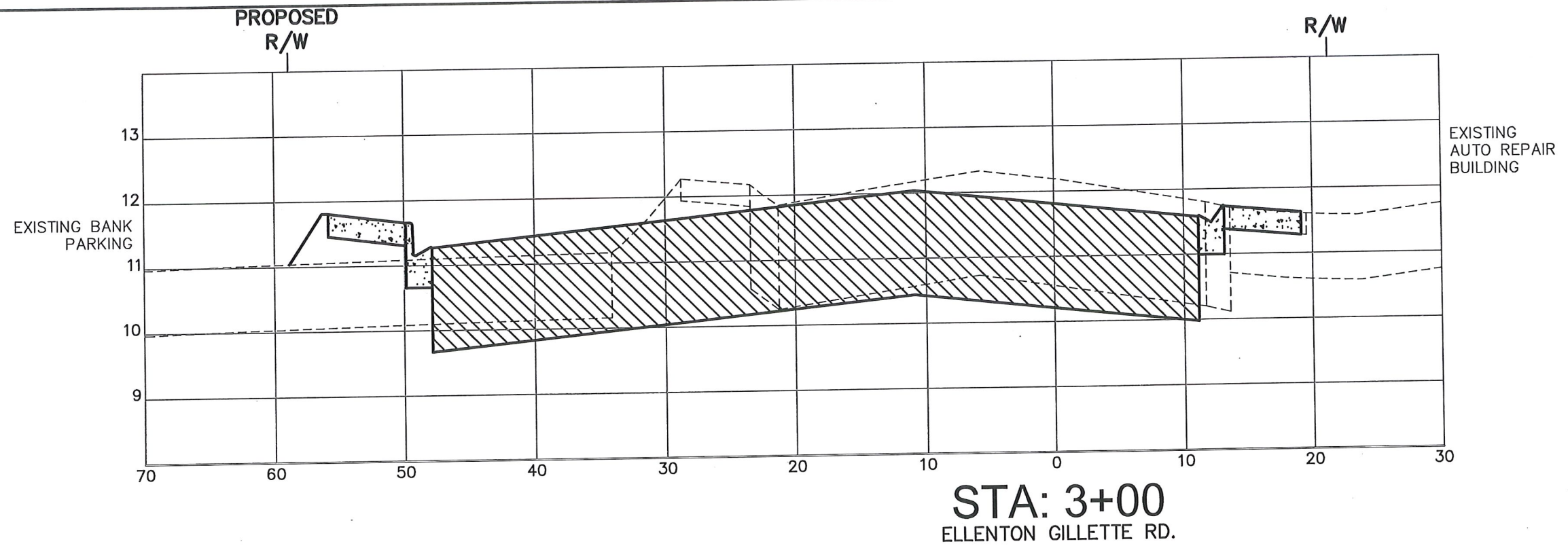
REVISIONS	

LOMBARDO, FOLEY & KOLARIK, INC.	
Consulting Engineers, Surveyors and Planners	
P.O. Box 1000, 1000 North Street West • Palmetto, Florida 34221 • (941) 722-4561	
PROJECT ENGINEER	DATE 03/14/14
STATE OF	1"=10'H
JOHN R. FOLEY	1"=2' V
30030	JOB NO. 7870
P.E. REG. NO.	

DESIGN	DRAWN	APPR.
JRF.	PG.	JRF.

SHEET NO.
24 / 44

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CROSS SECTIONS
US 301 AT ELLENTON GILLETTE ROAD,
INTERSECTION IMPROVEMENTS

REVISIONS

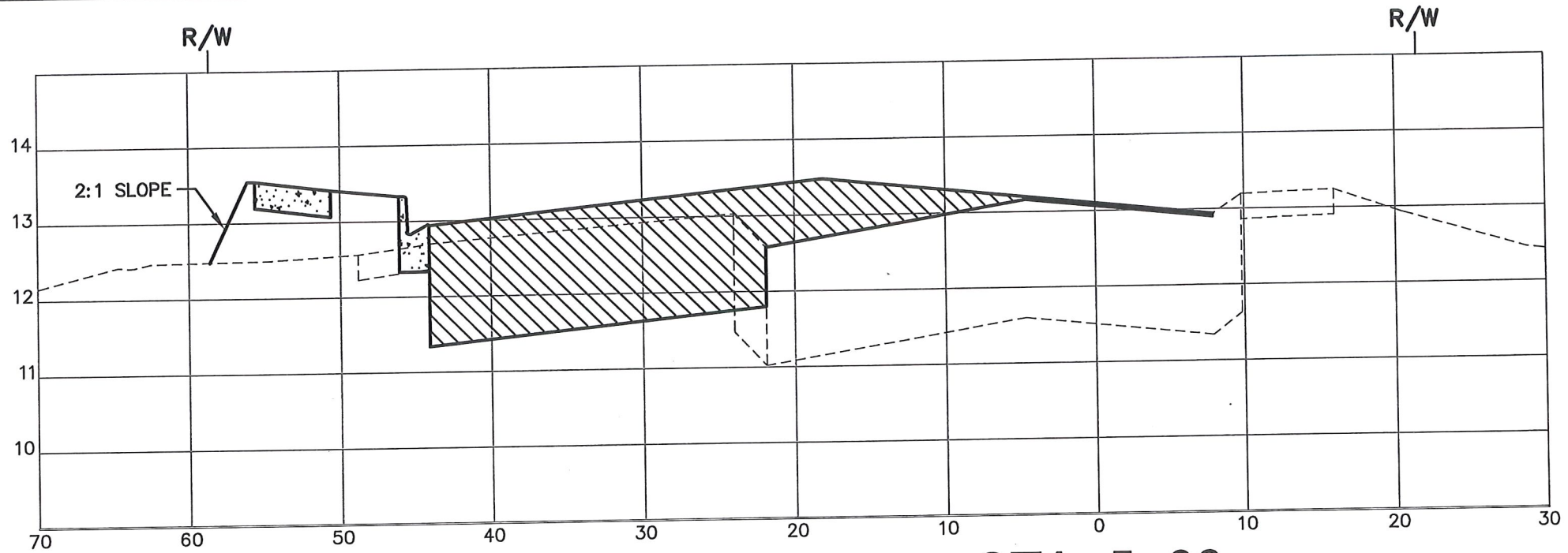
LOMBARDO, FOLEY & KOLARIK, INC.
Consulting Engineers, Surveyors and Planners
P.O. Box 188 • 825 4th Street West • Palmetto, Florida 34221 • (941) 722-4561

PROJECT ENGINEER
JOHN R. FOLEY
P.E. REG. NO. 38680

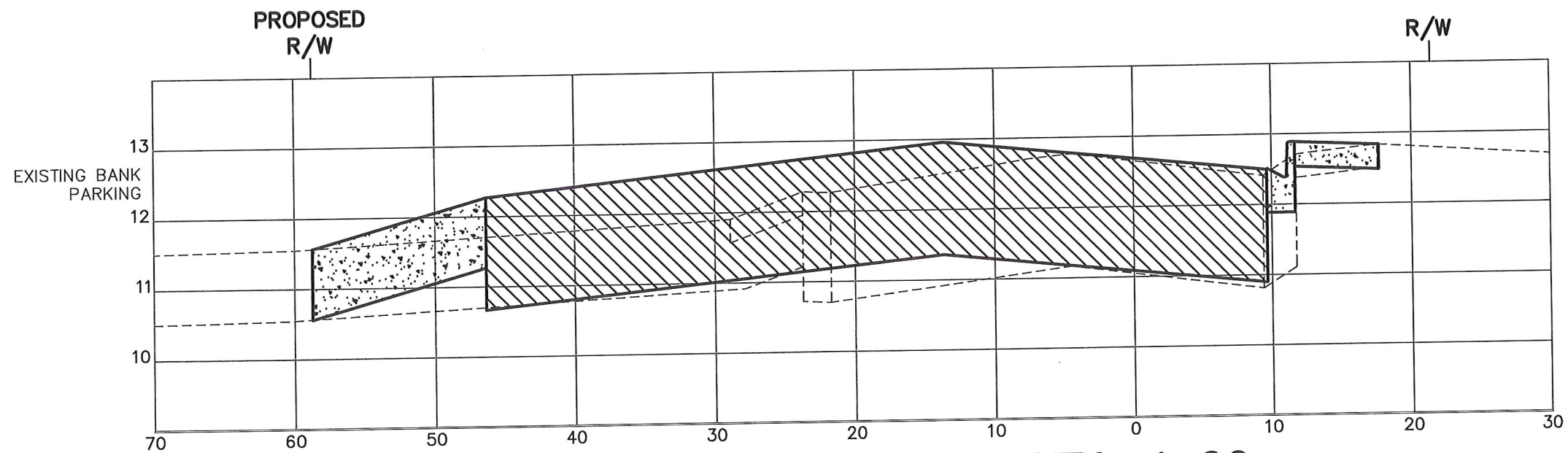
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APPR JRF. JOB NO. 7870

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SHEET NO.
25 / **44**



STA: 5+00
ELLEMENTON GILLETTE RD.



STA: 4+00
ELLEMENTON GILLETTE RD.

CROSS SECTIONS
US 301 AT ELLEMENTON GILLETTE ROAD,
INTERSECTION IMPROVEMENTS

REVISIONS

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Consulting Engineers, Surveyors and Planners
P.O. Box 188 • 825 4th Street West • Palmetto, Florida 34221 • (941) 722-4561

PROJECT ENGINEER
STATE OF FLORIDA
JOHN R. FOLEY
No. 38630
P.E. REG. NO.

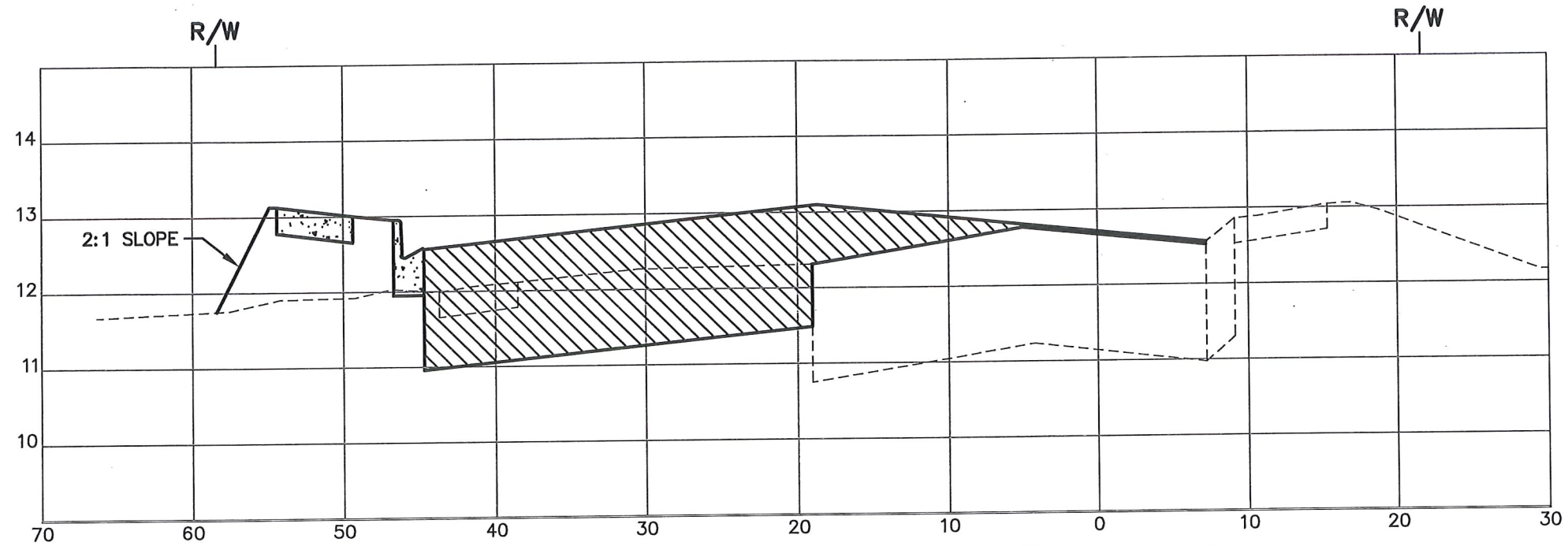
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APPR. JRF. JOB NO. 7870
1"=2' V



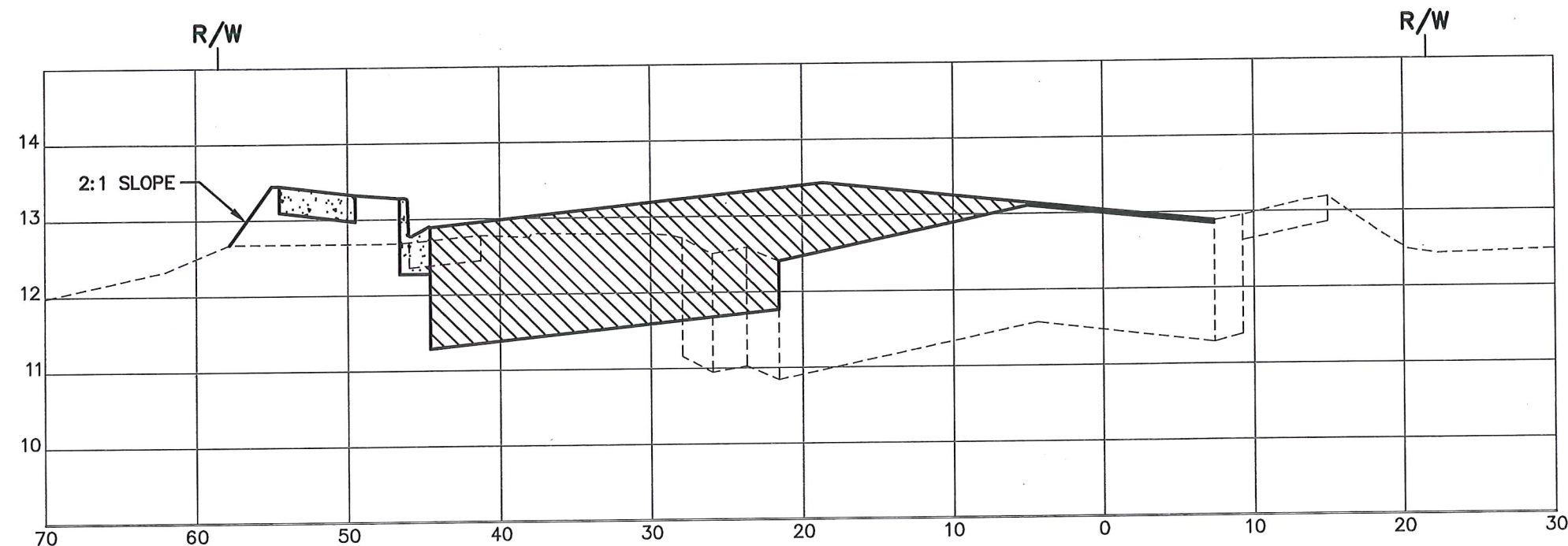
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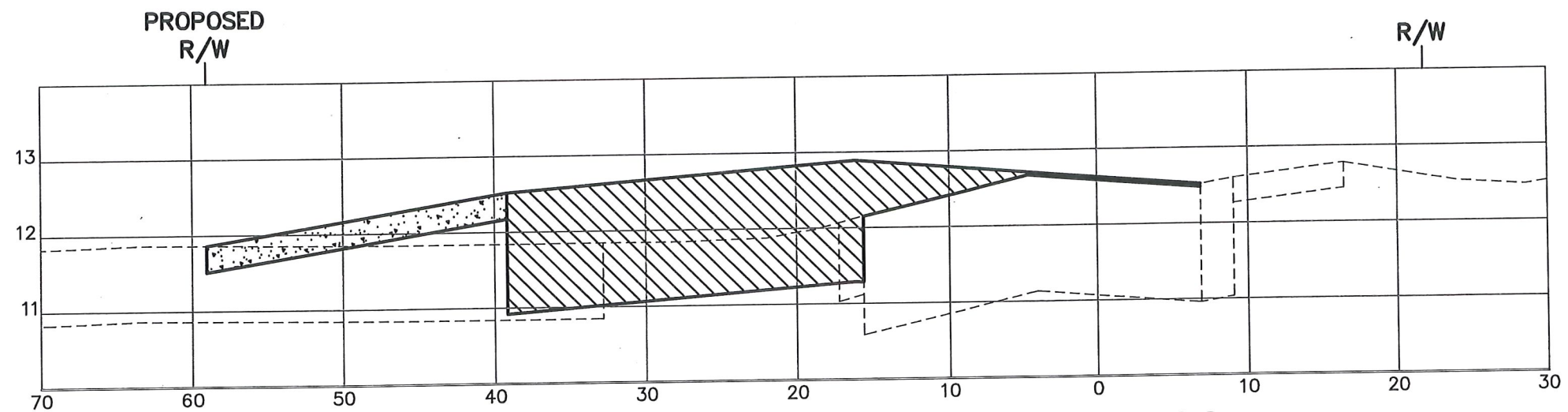
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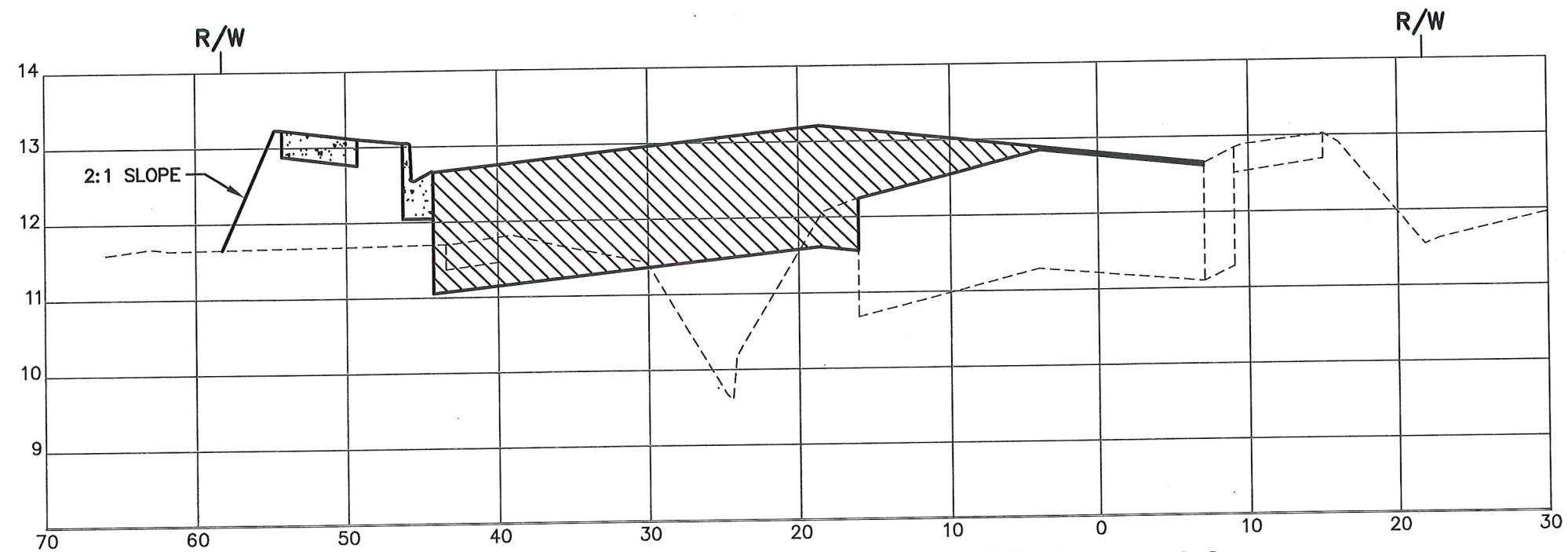
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CROSS SECTIONS
US 301 AT ELLENTON GILLETTE ROAD,
INTERSECTION IMPROVEMENTS

REVISIONS _____ _____ _____ _____ _____ _____ _____ _____ _____	LOMBARDO FOLEY & KOLARIK, INC. Consulting Engineers, Surveyors and Planners P.O. Box 188 • 825 4th Street West • Palmetto, Florida 34221 • (941) 722-4561		LF&K
	PROJECT ENGINEER JOHN R. FOLEY No. 38630		
	DESIGN <u>JRF.</u>	DATE <u>03/14/14</u>	
	DRAWN <u>P.G.</u>	SCALE <u>1"=10'H</u> <u>1"=2' V</u>	
	APPR <u>JRF.</u>	JOB NO. <u>7870</u>	
SHEET NO. 27 / 44			



STA: 9+00
ELLENTON GILLETTE RD.



STA: 8+00
ELLENTON GILLETTE RD.

CROSS SECTIONS
US 301 AT ELLENTON GILLETTE ROAD,
INTERSECTION IMPROVEMENTS

REVISIONS

LOMBARDO, FOLEY & KOLARIK, INC.
Consulting Engineers, Surveyors and Planners

P.O. Box 188, 2023 31st Street West • Palmetto, Florida 34221 • (941) 722-4561

PROJECT ENGINEER

STATE OF

JOHN R. FOLEY

38830

P.E. REG. NO.

DESIGN JRF.

DATE 03/14/14

DRAWN P.G.

SCALE 1"=10'H
1"=2' V

APPR JRF.

JOB NO. 7870

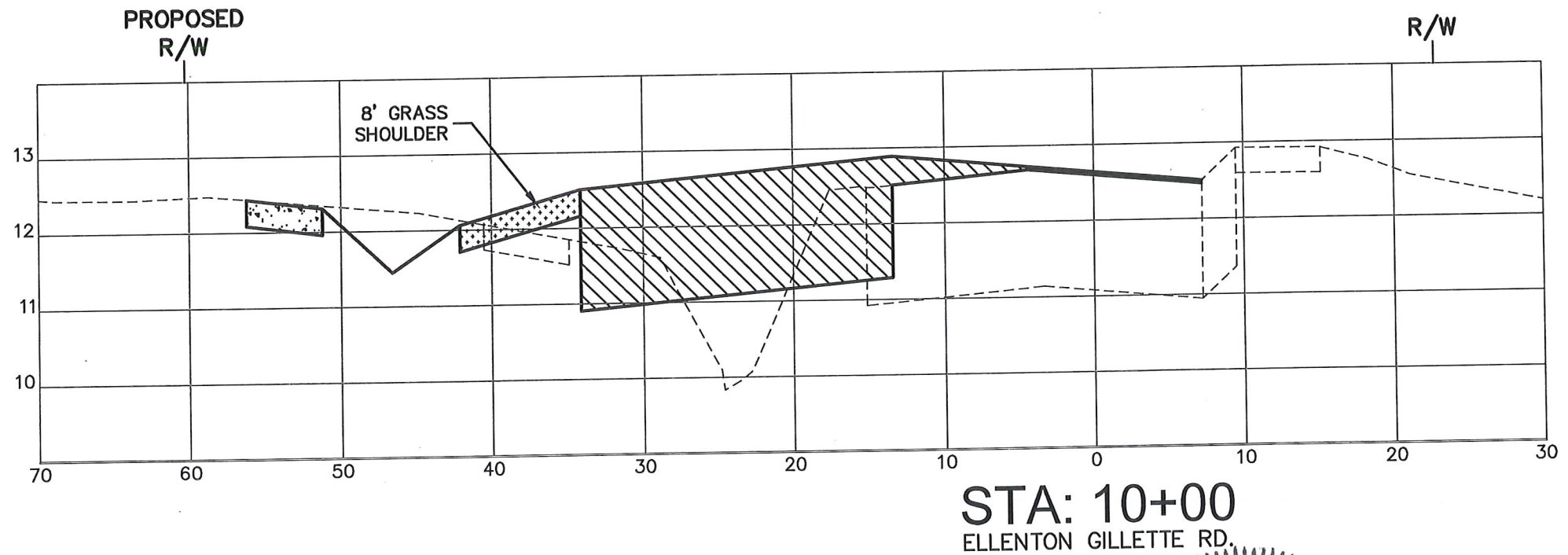
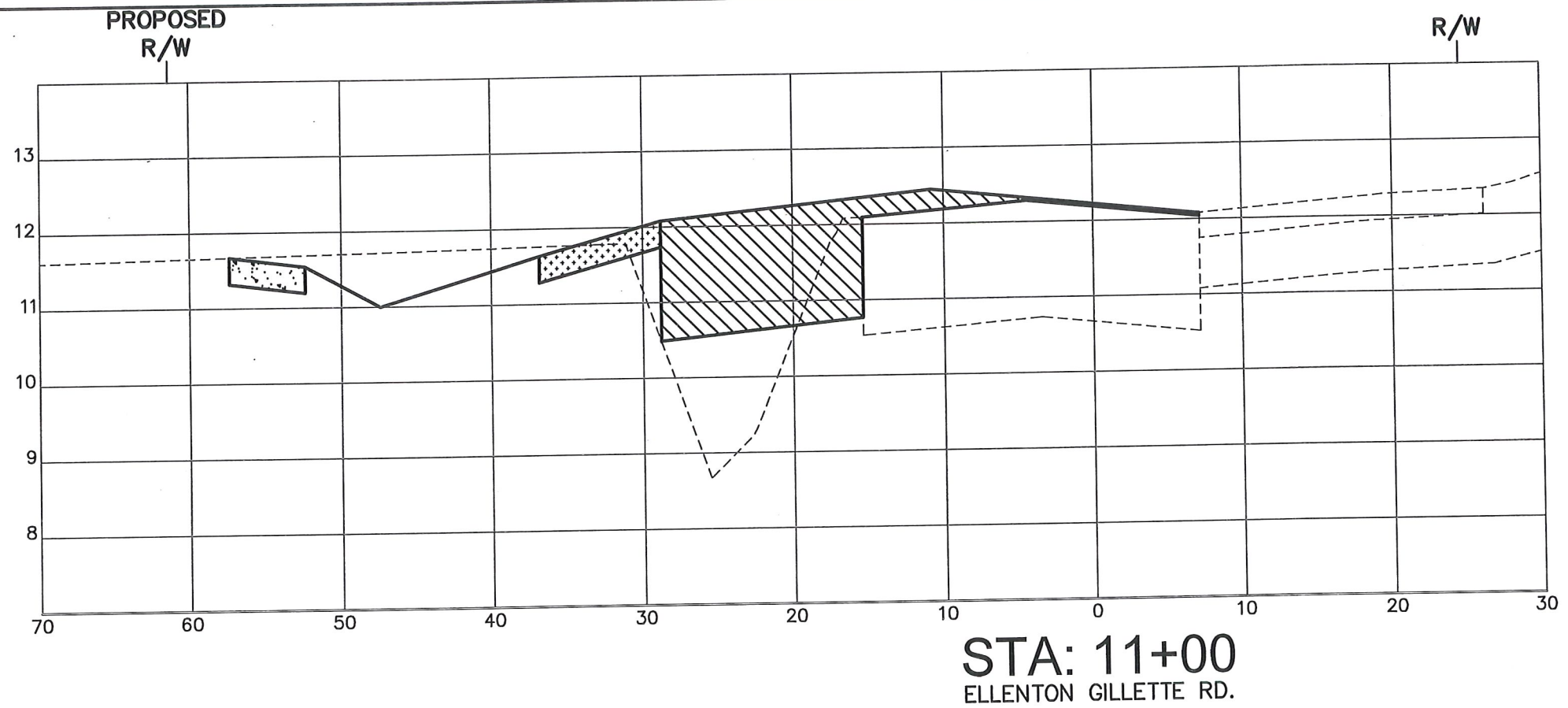


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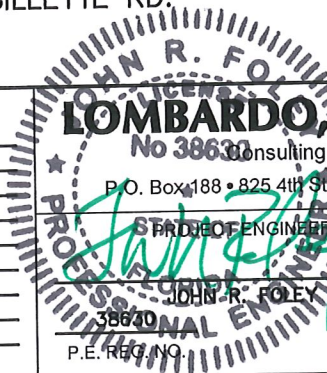
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CROSS SECTIONS
US 301 AT ELLENTON GILLETTE ROAD,
INTERSECTION IMPROVEMENTS

REVISIONS



LOMBARDO, FOLEY & KOLARIK, INC.

Consulting Engineers, Surveyors and Planners
P.O. Box 188 • 825 4th Street West • Palmetto, Florida 34221 • (941) 722-4561

DESIGNED BY
DRAWN BY
APPROVED BY
P.E. REG. NO.

DESIGN JRF. DATE 03/14/14
DRAWN P.B. SCALE 1"=10'H
APPR. JRF. JOB NO. 7870

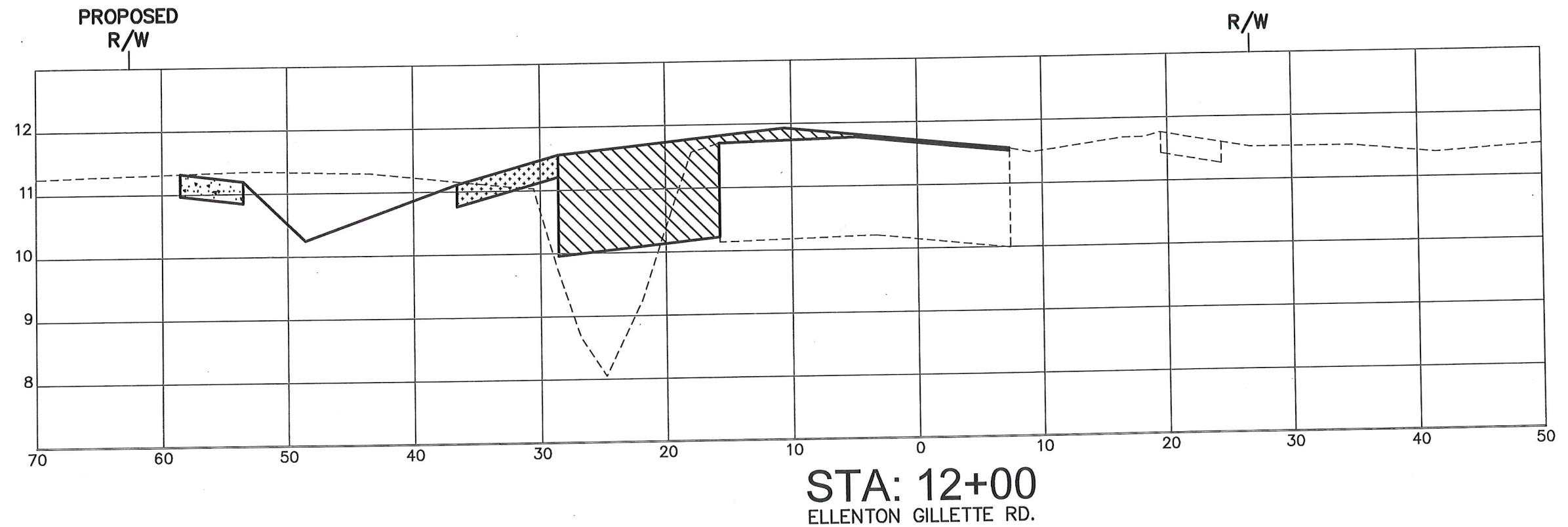
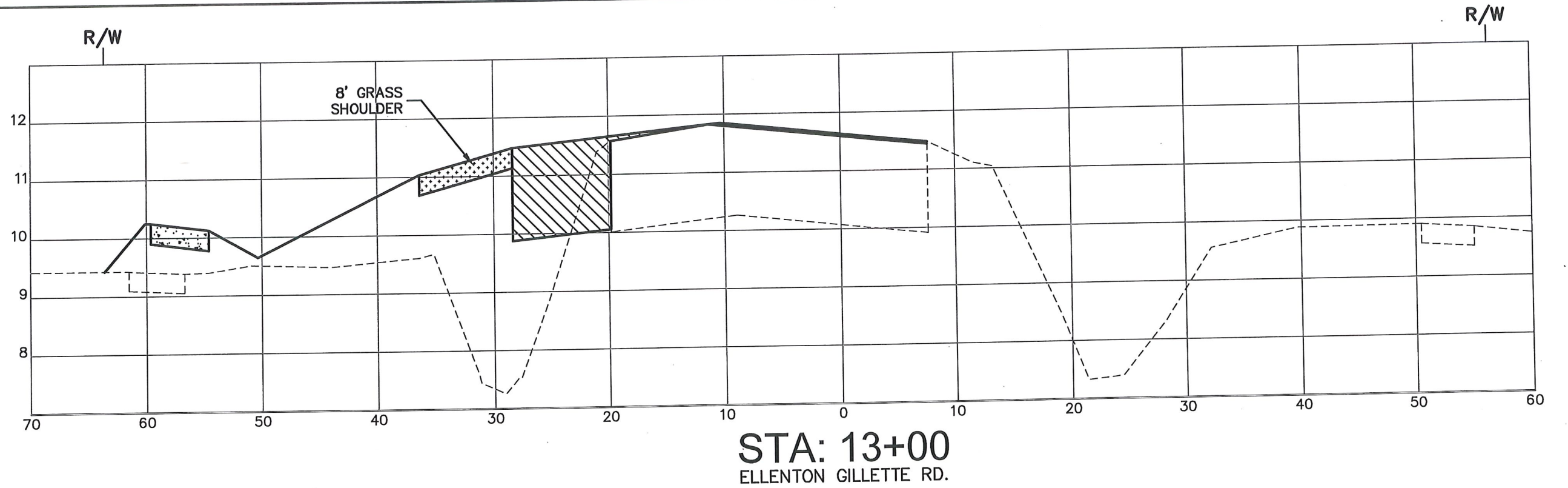


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CROSS SECTIONS
US 301 AT ELLENTON GILLETTE ROAD,
INTERSECTION IMPROVEMENTS

REVISIONS

LOMBARDO FOLEY & KOLARIK, INC.
Consulting Engineers, Surveyors and Planners
P.O. Box 188, 825 4th Street West • Palmetto, Florida 34221 • (941) 722-4561

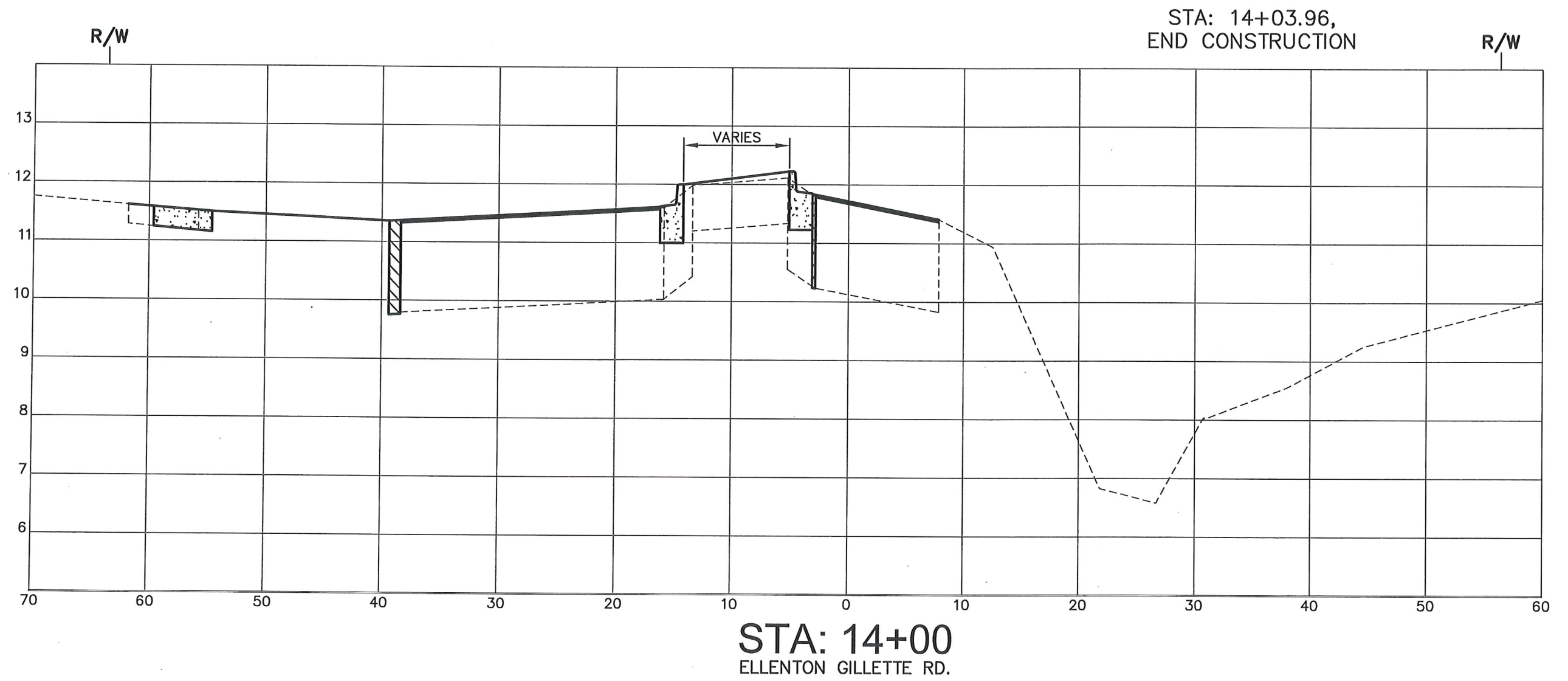
PROJECT ENGINEER
STATE OF FLORIDA
JOHN R. FOLEY
28630
P.E. REG. NO.

DESIGN JRF. DATE 03/14/14
DRAWN P.B. SCALE 1"=10'H
APPR. JRF. JOB NO. 7870

SHEET NO.
30 / 44

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CROSS SECTIONS
US 301 AT ELLENTON GILLETTE ROAD,
INTERSECTION IMPROVEMENTS

REVISIONS

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Consulting Engineers, Surveyors and Planners
P.O. Box 188 • 825 4th Street West • Palmetto, Florida 34221 • (941) 722-4561

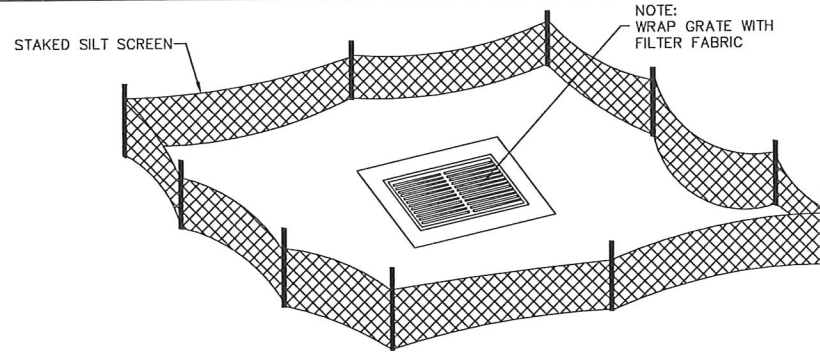
PROJECT ENGINEER
JOHN R. FOLEY
P.E. REG. NO. 38630

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APPR JRF. JOB NO. 7870

SHEET NO.
31 / **44**

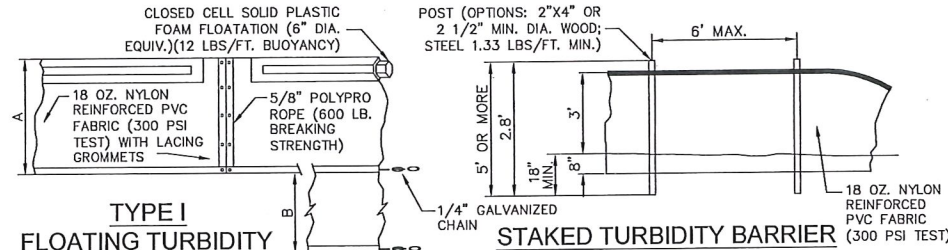
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1. INSTALL ALL SEDIMENT CONTROL DEVICES IN A TIMELY MANNER TO ENSURE THE CONTROL OF SEDIMENT AND THE PROTECTION OF LAKES, STREAMS, GULF OR OCEAN WATERS, OR ANY WETLANDS ASSOCIATED THEREWITH AND TO ANY ADJACENT PROPERTY OUTSIDE THE RIGHT-OF-WAY AS REQUIRED.
2. AT SITES WHERE EXPOSURE TO SUCH SENSITIVE AREAS IS PREVALENT, COMPLETE THE INSTALLATION OF ANY SEDIMENT CONTROL DEVICE PRIOR TO THE COMMENCEMENT OF ANY EARTHWORK.
3. AFTER INSTALLATION OF SEDIMENT CONTROL DEVICES, REPAIR PORTIONS OF ANY DEVICES DAMAGED AT NO EXPENSE TO THE OWNER.
4. SCHEDULE OPERATIONS SUCH THAT THE AREA OF UNPROTECTED ERODABLE EARTH EXPOSED AT ANY ONE TIME IS NOT LARGER THAN THE MINIMUM AREA NECESSARY FOR EFFICIENT CONSTRUCTION OPERATIONS, AND THE DURATION OF EXPOSURE OF UNCOMPLETED CONSTRUCTION TO THE ELEMENTS IS AS SHORT AS PRACTICABLE.
5. SCHEDULE AND PERFORM CLEARING AND GRUBBING SO THAT GRADING OPERATIONS CAN FOLLOW IMMEDIATELY THEREAFTER. SCHEDULE AND PERFORM GRADING OPERATIONS SO THAT PERMANENT EROSION CONTROL FEATURES CAN FOLLOW IMMEDIATELY THEREAFTER IF CONDITIONS ON THE PROJECT PERMIT.
6. PROVIDE ROUTINE MAINTENANCE OF PERMANENT AND TEMPORARY EROSION AND SEDIMENT CONTROL FEATURES, AT NO EXPENSE TO THE DEPARTMENT, UNTIL THE PROJECT IS COMPLETE AND ACCEPTED. IF RECONSTRUCTION OF SUCH EROSION AND SEDIMENT CONTROL FEATURES IS NECESSARY DUE TO THE CONTRACTOR'S NEGLIGENCE OR CARELESSNESS OR, IN THE CASE OF TEMPORARY EROSION AND SEDIMENT CONTROL FEATURES, FAILURE BY THE CONTRACTOR TO INSTALL PERMANENT EROSION CONTROL FEATURES AS SCHEDULED, THE CONTRACTOR SHALL REPLACE SUCH EROSION CONTROL FEATURES AT NO EXPENSE TO THE OWNER.
7. INSPECT ALL EROSION AND SEDIMENT CONTROL FEATURES AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM OF 0.50 INCHES OR GREATER. MAINTAIN ALL EROSION CONTROL FEATURES AS REQUIRED IN THE STORMWATER POLLUTION PREVENTION PLAN, CONTRACTOR'S EROSION CONTROL PLAN AND AS SPECIFIED IN THE STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES.



STAKED SILT SCREEN PROTECTION
AROUND DITCH BOTTOM INLETS

NTS



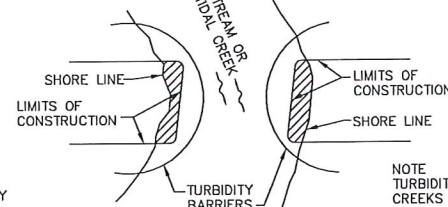
TYPE I
FLOATING TURBIDITY
BARRIER

STAKED TURBIDITY BARRIER

A = 5' STD. (SINGLE PANEL FOR DEPTH 5' OR LESS).
B = 5' STD. (ADDITIONAL PANEL FOR DEPTHS >5').
CURTAIN TO REACH BOTTOM UP TO DEPTHS OF 10 FEET.
TWO (2) PANELS TO BE USED FOR DEPTHS GREATER THAN 10 FEET UNLESS SPECIAL DEPTH OR AS DETERMINED BY THE ENGINEER.

NOTICE
COMPONENTS OF TYPE I MAY BE SIMILAR OR IDENTICAL TO PROPRIETARY DESIGNS. ANY INFRINGEMENT ON THE PROPRIETARY RIGHTS OF THE DESIGNER SHALL BE THE SOLE RESPONSIBILITY OF THE USER. SUBSTITUTIONS FOR TYPE I SHALL BE AS APPROVED BY THE ENGINEER.

- NOTES
1. TURBIDITY BARRIERS ARE TO BE USED IN ALL PERMANENT BODIES OF WATER REGARDLESS OF WATER DEPTH.
 2. NUMBER AND SPACING OF ANCHORS DEPENDENT ON WATER VELOCITIES.
 3. DEPLOYMENT OF BARRIER AROUND PILE LOCATIONS MAY VARY TO ACCOMMODATE CONSTRUCTION OPERATIONS.
 4. NAVIGATION MAY REQUIRE SEGMENTING BARRIER DURING CONSTRUCTION OPERATIONS.

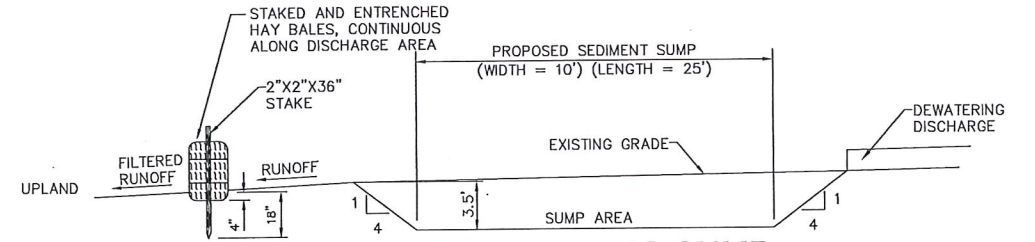


TURBIDITY BARRIER
APPLICATIONS

NOTE
TURBIDITY BARRIERS FOR FLOWING STREAMS AND TIDAL CREEKS MAY BE EITHER FLOATING, OR STAKED TYPES OR ANY COMBINATION OF TYPES THAT WILL SUIT SITE CONDITIONS AND MEET EROSION CONTROL AND WATER QUALITY REQUIREMENTS. THE BARRIER TYPE(S) WILL BE AT THE CONTRACTOR'S OPTION UNLESS OTHERWISE SPECIFIED IN THE PLANS, HOWEVER PAYMENT WILL BE UNDER THE PAY ITEM(S) ESTABLISHED IN THE PLANS FOR FLOATING TURBIDITY BARRIER AND/OR STAKED TURBIDITY BARRIER. POSTS IN STAKED TURBIDITY BARRIERS TO BE INSTALLED IN VERTICAL POSITION UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

TURBIDITY BARRIERS

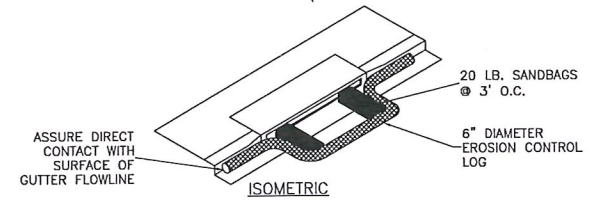
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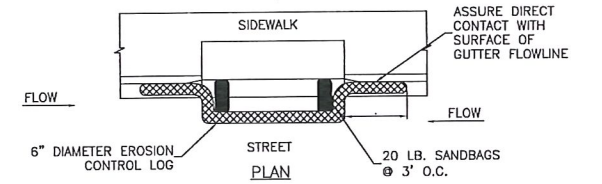
DEWATERING SUMP

NTS

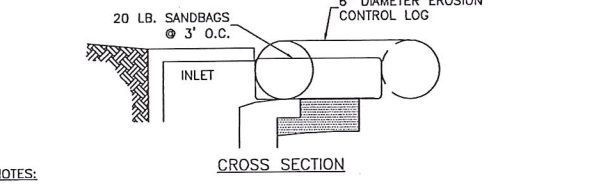
1. CONTRACTOR TO INSURE THAT DEWATERING ACTIVITIES DO NOT CAUSE EROSION AND THAT SUMP IS UTILIZED TO ALLOW FOR PARTICLE SEDIMENTATION.
2. SEDIMENT SUMPS AND EROSION CONTROL ARE TO BE IMPLEMENTED BEFORE ANY DEWATERING ACTIVITIES.
3. SUMP SIZE BASED UPON AN ASSUMED DEWATERING DISCHARGE OF 5 cfs. CONTRACTOR IS TO NOTIFY ENGINEER IF GREATER DISCHARGE IS PROPOSED SO SUMP SIZE CAN BE RECALCULATED.
4. DEWATERING WITHDRAWALS ARE TO BE FROM THE TOP OF THE WATER AREAS TO ALLOW FOR THE ADEQUATE SETTLING OF PARTICLES.
5. CONTRACTOR IS TO NOTIFY S.W.F.W.M.D. OF ANY MODIFICATIONS PROPOSED BY THE CONTRACTOR TO THE DEWATERING PLAN. CONTRACTOR IS RESPONSIBLE FOR PREPARATION OF ANY REQUIRED PLANS AND PROCESSING OF SAME.
6. DISCHARGE FROM SUMPS SHOULD MAXIMIZE OVERLAND FLOW PRIOR TO ENTERING JURISDICTIONAL AREA. STAKED HAY BALES WILL BE USED TO MINIMIZE SILTATION RUNOFF. CONTRACTOR IS RESPONSIBLE FOR UTILIZING ADEQUATE HAY BALES AT DISCHARGE LOCATIONS TO PREVENT SCOURING.



ISOMETRIC



PLAN



CROSS SECTION

NOTES:

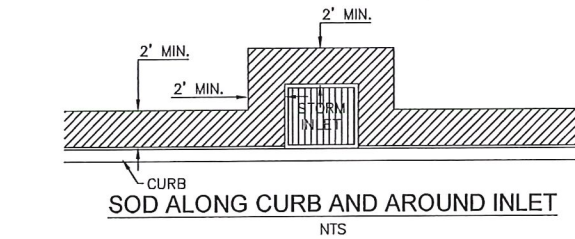
1. EROSION CONTROL LOG CONTAINMENT MESH SHALL BE 100% BIODEGRADABLE, PHOTODEGRADABLE OR RECYCLABLE; AND FILL MATERIAL SHALL CONSIST OF MULCH, ASPEN EXCELSIOR FIBERS, CHIPPED SITE VEGETATION, COCONUT FIBERS, 100% RECYCLABLE FIBERS, OR ANY OTHER ACCEPTABLE MATERIAL EXCLUDING STRAW AND HAY.
2. DAILY INSPECTION SHALL BE MADE BY THE CONTRACTOR AND SILT ACCUMULATION MUST BE REMOVED WHEN DEPTH REACHES 2".
3. CONTRACTOR SHALL MONITOR THE PERFORMANCE OF INLET PROTECTION DURING EACH RAINFALL EVENT AND IMMEDIATELY REMOVE THE INLET PROTECTIONS IF THE STORM WATER BEGINS TO OVERTOP THE CURB.
4. INLET PROTECTIONS SHALL BE REMOVED AS SOON AS THE SOURCE OF SEDIMENT IS STABILIZED.

CURB INLET PROTECTION WITH
EROSION CONTROL LOG DETAIL

EC-13

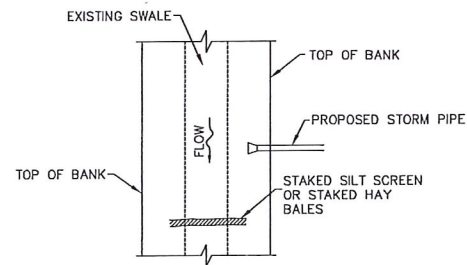
BEST MANAGEMENT PRACTICES DETAILS

US 301 AT ELLENTON GILLETTE ROAD,
INTERSECTION IMPROVEMENTS



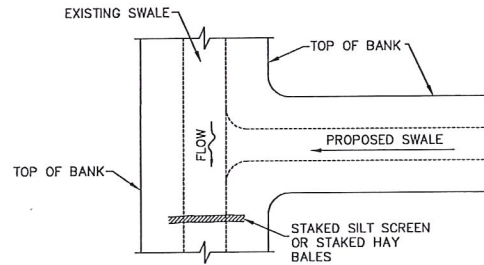
SOD ALONG CURB AND AROUND INLET

NTS



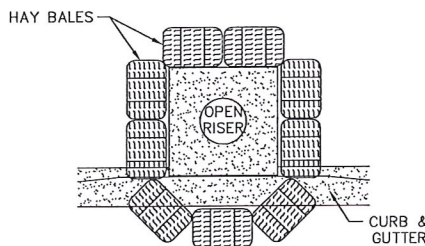
STAKED SILT SCREEN AT CONNECTION
OF STORM PIPE TO EXISTING SWALE

NTS

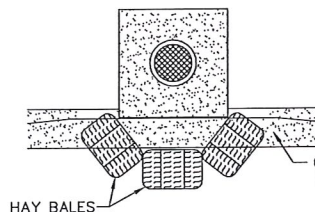


STAKED SILT SCREEN AT CONNECTION
OF SWALE TO EXISTING SWALE

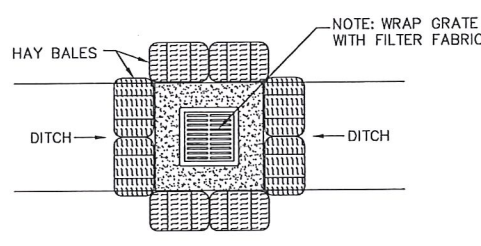
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PARTIAL INLET



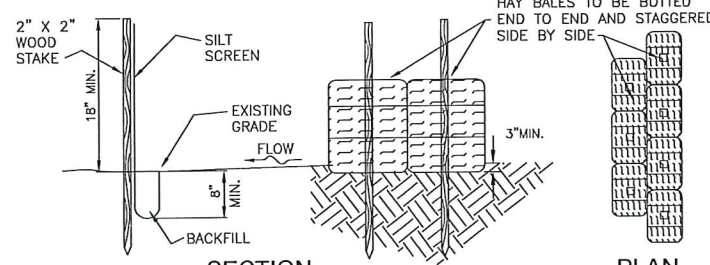
COMPLETED INLET



DITCH BOTTOM INLET

PROTECTION AROUND INLETS OR SIMILAR STRUCTURES

NTS



SECTION

LENGTH OF STAKE AND DEPTH TO BE
SUFFICIENT TO PROPERLY SUPPORT SCREEN.

STAKED SILT SCREEN AND HAY BALE DETAIL

NTS

PLAN

REVISIONS

LOMBARDO, FOLEY & KOLARIK, INC.

Consulting Engineers, Surveyors and Planners
P.O. Box 188 • 825 4th Street West • Palmetto, Florida 34221 • (941) 722-4561

PROJECT ENGINEER
J. R. FOLEY
P.E. REG. NO. 38630

DESIGN JRF. DATE 03/13/14
DRAWN PG. SCALE NONE
APPR. JRF. JOB NO. 7870

SHEET NO.
32
44