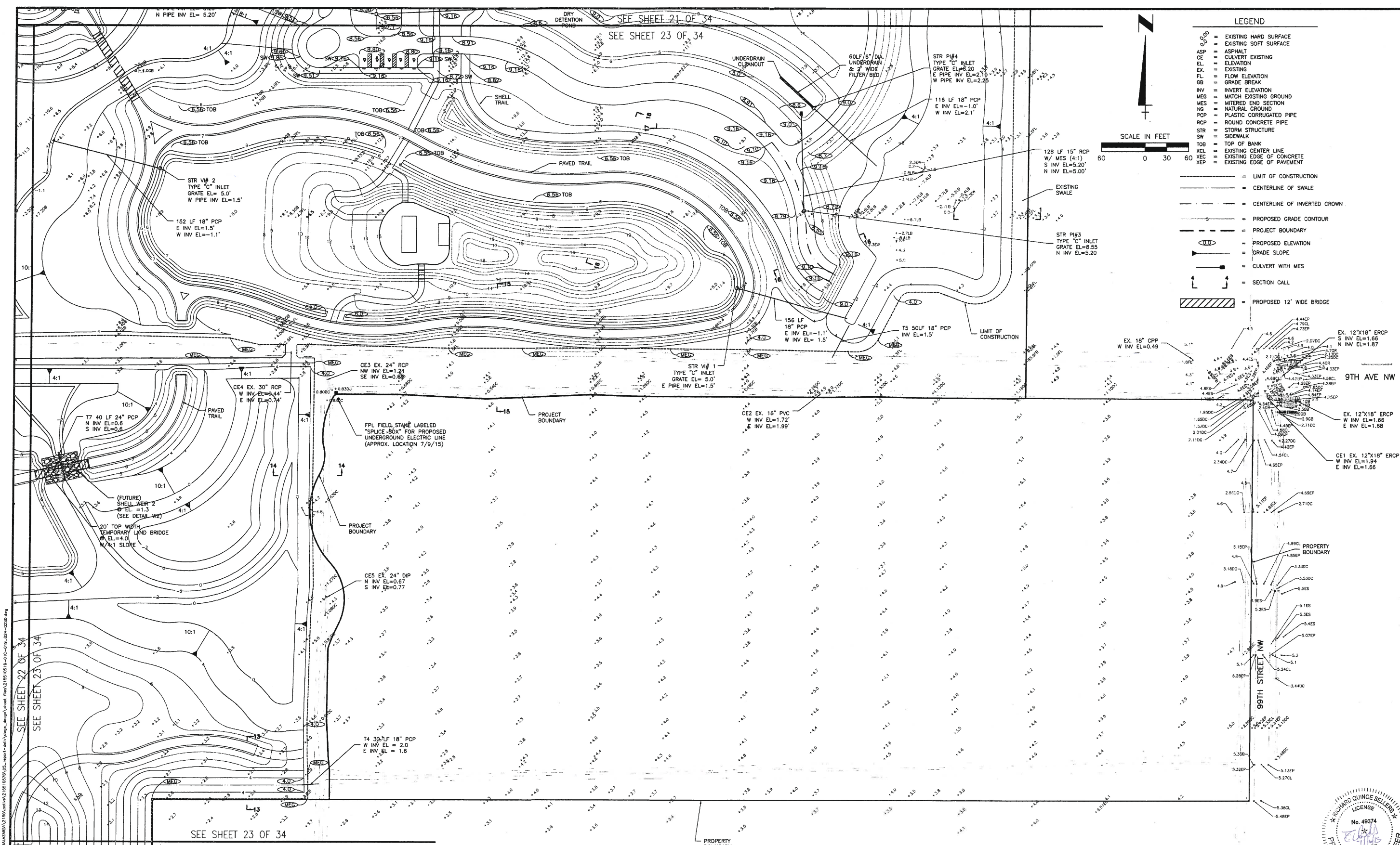




LEGEND

- 0.000 = EXISTING HARD SURFACE
- 0.000 = EXISTING SOFT SURFACE
- ASP = ASPHALT
- CE = CULVERT EXISTING
- EL = ELEVATION
- EX = EXISTING
- FL = FLOW ELEVATION
- GB = GRADE BREAK
- INV = INVERT ELEVATION
- MEG = MATCH EXISTING GROUND
- MES = MITERED END SECTION
- NG = NATURAL GROUND
- PCP = PLASTIC CORRUGATED PIPE
- RCP = ROUND CONCRETE PIPE
- STR = STORM STRUCTURE
- SW = SIDEWALK
- TOB = TOP OF BANK
- XCL = EXISTING CENTER LINE
- XEC = EXISTING EDGE OF CONCRETE
- XEP = EXISTING EDGE OF PAVEMENT

- = LIMIT OF CONSTRUCTION
- = CENTERLINE OF SWALE
- = CENTERLINE OF INVERTED CROWN
- = PROPOSED GRADE CONTOUR
- = PROJECT BOUNDARY
- = PROPOSED ELEVATION
- = GRADE SLOPE
- = CULVERT WITH MES
- = SECTION CALL
- = PROPOSED 12' WIDE BRIDGE

SEE SHEET 22 OF 34
SEE SHEET 23 OF 34
SEE SHEET 24 OF 34
SEE SHEET 25 OF 34

REV NO.	REVISION	DATE	DRAWN BY	CHECKED BY	DATE
5	ADD KAYAK AREAS 1 & 2	6/23/15	AS/102871	RGS/89561	
4	REVISE TRAILS, ADD LAND BRIDGE	3/30/15	AS/102871	RGS/89561	
3	ADD T7 AND LAND BRIDGE	02/25/15	AS/102871	RGS/89561	
2	REVISE VIEWING MOUND AND POND 5 CONTOURS PER MCPNRN	10/28/14	AS/102871	RGS/89561	
1	REVISE PIPE SIZE AND SWALE ELEVATIONS	9/11/14	AS/102871	RGS/89561	

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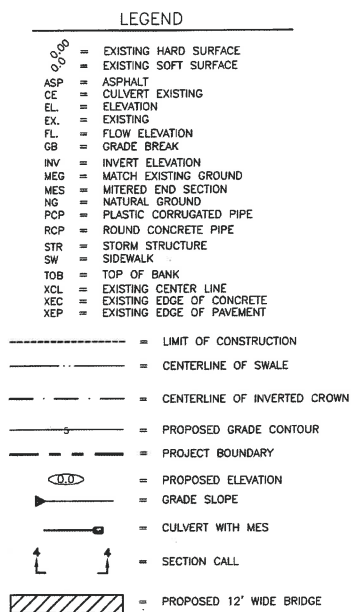
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CLIENT:	MANATEE BOARD OF COUNTY COMMISSIONERS	DATE:	JULY 2015	TITLE:	GRADING AND DRAINAGE PLAN
PROJECT:	ROBINSON PRESERVE EXPANSION PHASE II RESTORATION	VERTICAL SCALE:		CROSS REFERENCE FILE NO.:	215510519-01C
PROJECT NUMBER:	215510578	SHEET NUMBER:	23	OF 34	

PROFESSIONAL ENGINEER
No. 49374
R. QUINCE SELLERS, P.E.
FLORIDA LICENSE NO. 49374

SEE SHEET 23 OF 34

SEE SHEET 24 OF 34



11/11/11

— PROPERTY

PROJECT BOUNDARY

— LIMIT OF CONSTRUCTION

11

/

DATE:	
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	VERTICAL SCALE
--	----------------

SEC.	TWP.
23	34S
& 26	

— LIMIT OF CONSTRUCTION

GRADING AND

REFERENCE FILE NO.:

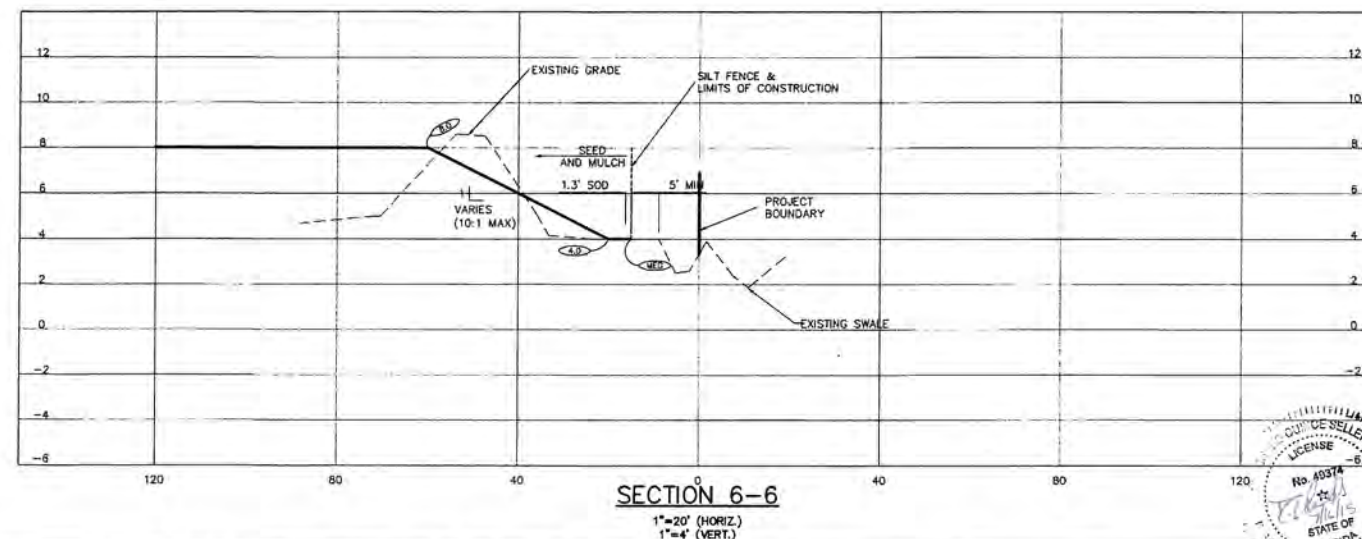
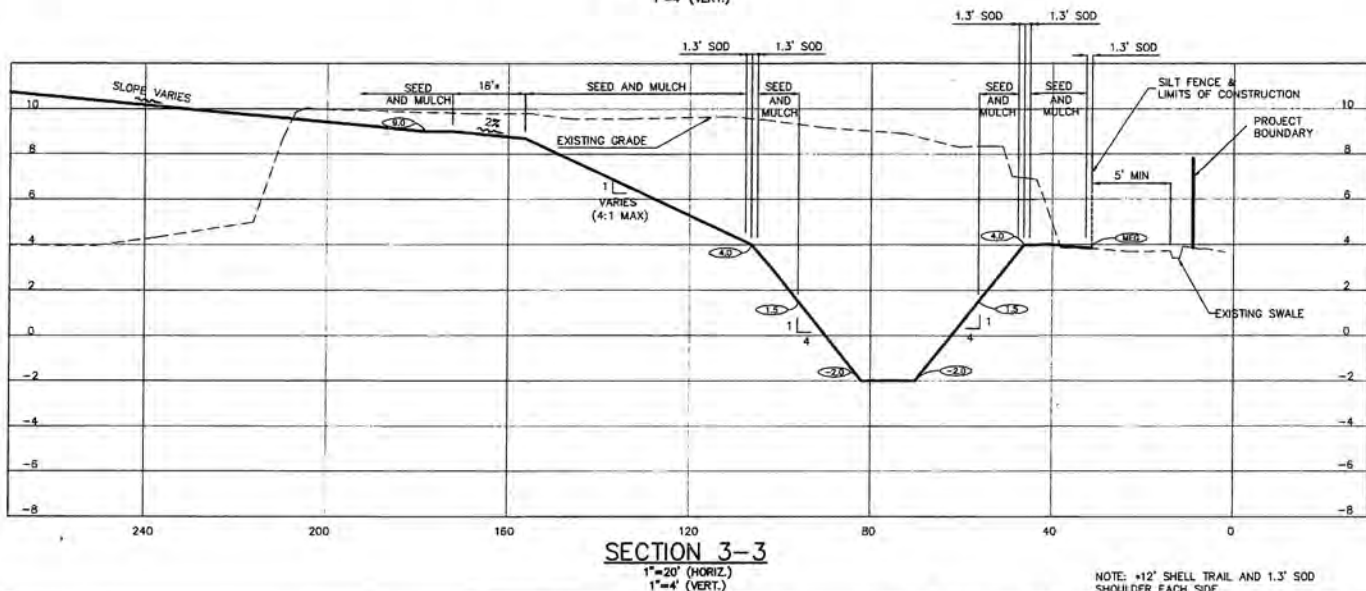
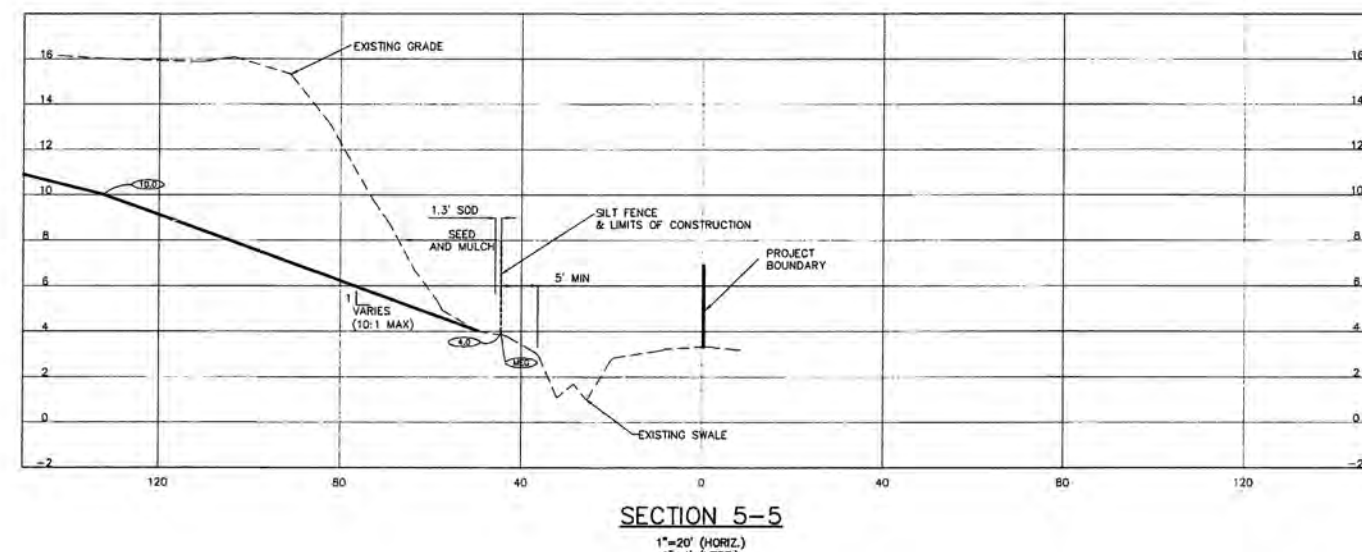
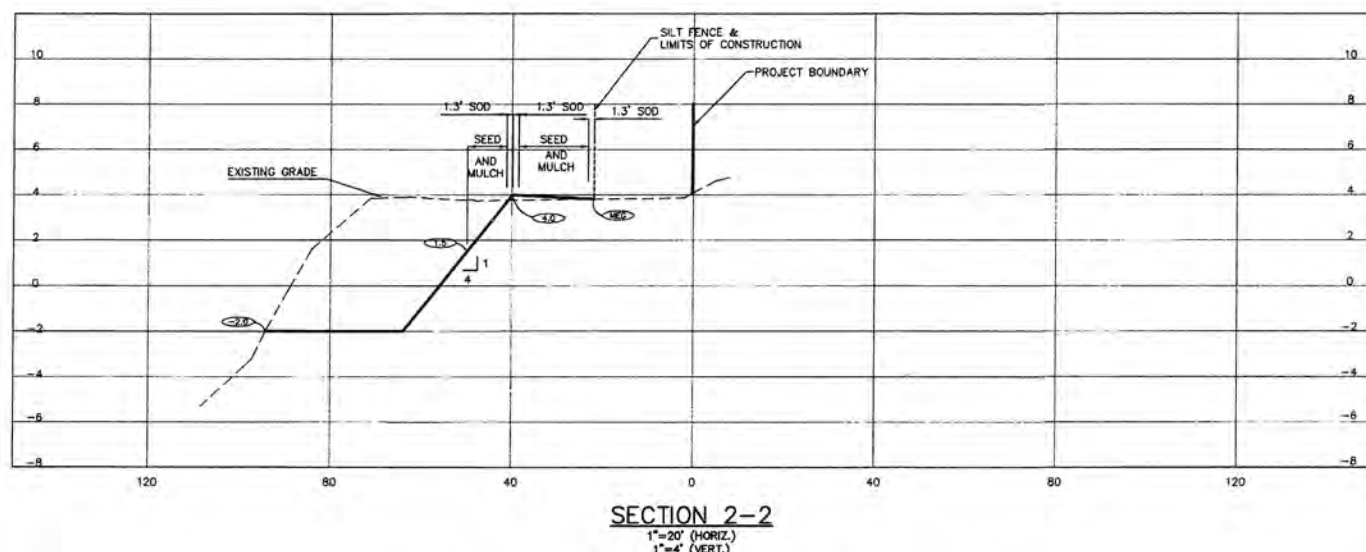
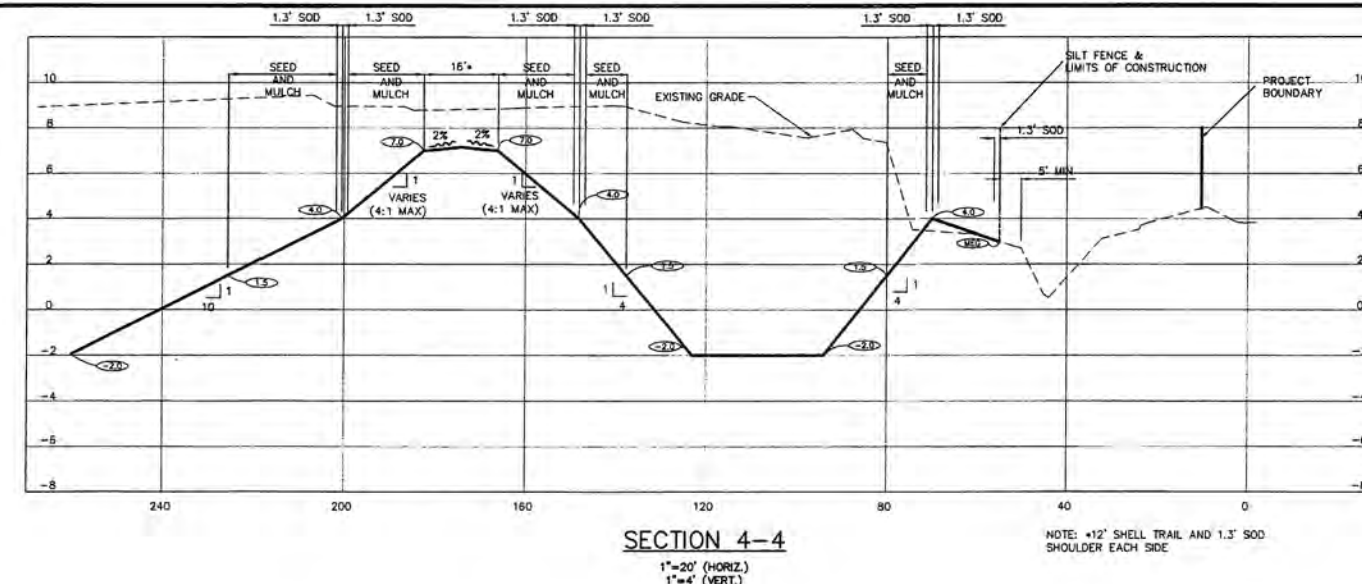
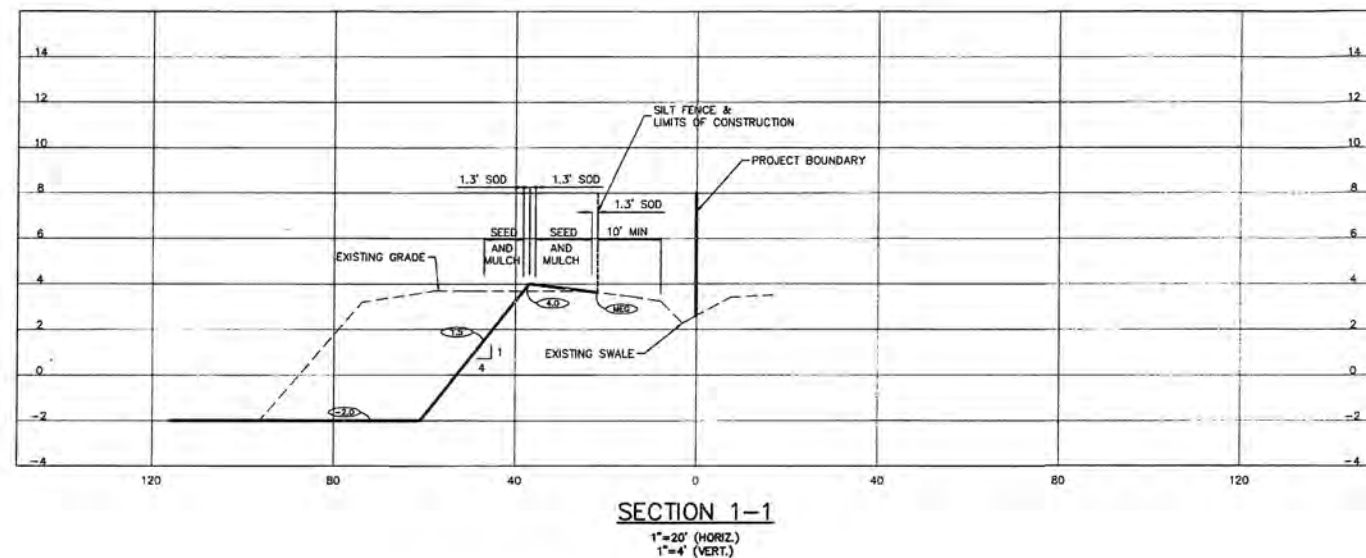
A circular professional seal for Richard Quince Sellers, a Professional Engineer in the State of Florida. The seal features the text "RICHARD QUINCE SELLERS" at the top, "LICENSE" below it, and "No. 48374" in the center. The words "PROFESSIONAL ENGINEER" are written around the bottom half of the circle. The seal is stamped in purple ink on a document.

R. QUINCE, SEILLERS, P.E.
FLORIDA LICENSE NO. 4937
INDEX NUMBER:

SHEET NUMBER:

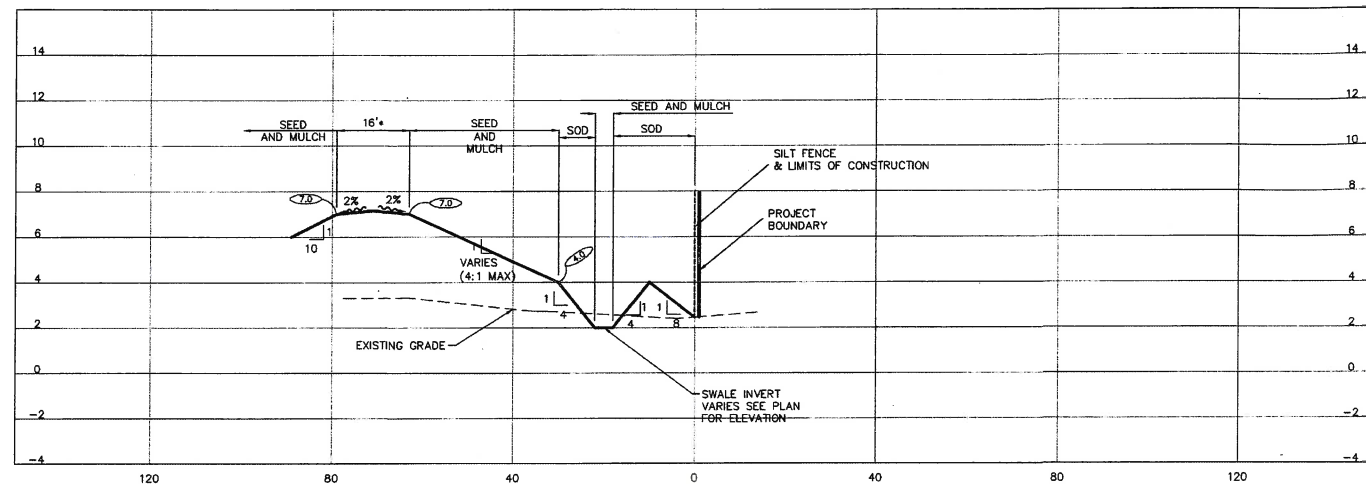
Jul 16, 2015 - 11:51:53 ASU\ZARIN\2155\active\215510578\05_report-deliv\drugs_desgn\stout_files\215510519-01C-019_024-025D.dwg

					ACTIVITY	INITIALS/EMP. NO.	DATE	Stantec 6900 Professional Parkway East, Sarasota, FL 34240-8414 Phone 941-907-8900 • Fax 941-907-8910 Certificates of Authorization #27013 • www.stantec.com The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing - any errors or omissions shall be reported to Stantec without delay. The Copyright to all designs and drawings are the property of Stantec. Reproduction or use for any purpose other than that authorized by Stantec is forbidden.
3	REVISE TRAILS, ADD LAND BRIDGE	3/30/15	AS/102871	RQS/89561	DESIGNED BY:	RQS/89561	JULY 2015	
2	REVISE UPLAND CONTOURS AND TRAIL LOCATION	12/3/14	AS/102871	RQS/89561	DRAWN BY:	AS/1012871	JULY 2015	
1	REVISE UPLAND CONTOURS PER MCPNRN	10/28/14	AS/102871	RQS/89561	CHECKED BY:			
					CONTRACT ADMIN. BY:			
ΔREV. NO.	REVISION	DATE	DRWN BY / EMP. NO.	CHECKED BY / EMP. NO.	WM APPROVED BY:			
CLIENT: MANATEE BOARD OF COUNTY COMMISSIONERS PROJECT: ROBINSON PRESERVE EXPANSION PHASE II RESTORATION DATE: JULY 2015 HORIZONTAL SCALE: VERTICAL SCALE: CROSS REFERENCE FILE NO.: 215510519-01C PROJECT NUMBER: 215510578 TITLE: GRADING AND DRAINAGE PLAN R. QUINCE SELFERS, P.E. FLORIDA LICENSE NO. 49374 INDEX NUMBER: SHEET NUMBER: 24 OF 34								



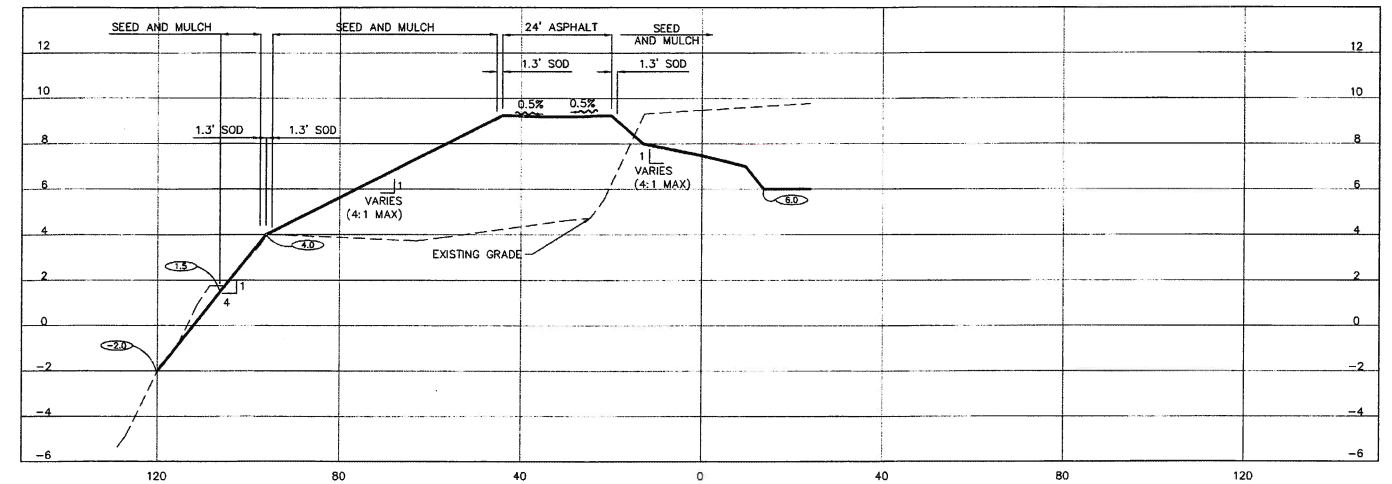
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2 REVISE NOTES & SECTION 6-6 1 REVISE SOD WIDTH PER MCPNRD		12/3/14 AS/102871 RQS/89561 9/17/14 AS/102871 RQS/89561	ACTIVITY DESIGNED BY: RQS/89561 DRAWN BY: AS/102871 CHECKED BY: WM CONTRACT ADMIN. BY: WM APPROVED BY: WM	INITIALS/EMP. NO. DATE RQS/89561 JULY 2015 AS/102871 JULY 2015 WM	 Stantec 6000 Professional Parkway East, Sarasota, FL 34238-9410 Phone 941-907-6000 Fax 941-907-6810 Certificate of Authorization #27013 www.stantec.com The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing. Any errors or omissions shall be reported to Stantec without delay. The Copyright to all designs and drawings are the property of Stantec. Reproduction or use for any purpose other than that authorized by Stantec is prohibited.	CLIENT: MANATEE BOARD OF COUNTY COMMISSIONERS PROJECT: ROBINSON PRESERVE EXPANSION PHASE II RESTORATION	DATE: JULY 2015 HORIZONTAL SCALE: 1"=20' (HORIZ.) VERTICAL SCALE: 1"=4' (VERT.) SHEET: 25 OF 34	TITLE: GRADING CROSS SECTIONS CROSS REFERENCE FILE NO.: 215510519-01C PROJECT NUMBER: 215510578	SHEET NUMBER: 25 OF 34 PROFESSIONAL ENGINEER No. 40974 R. OLIVER SELLERS, P.E. FLORIDA LICENSE NO. 49374
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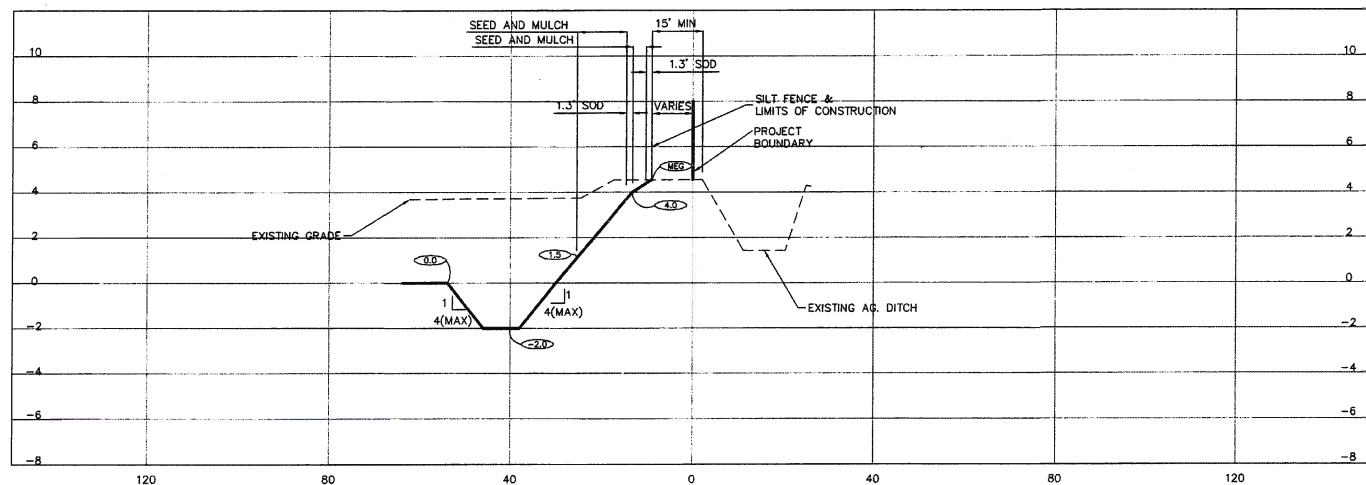


SECTION 13-13
1"=20' (HORIZ.)
1"=4' (VERT.)

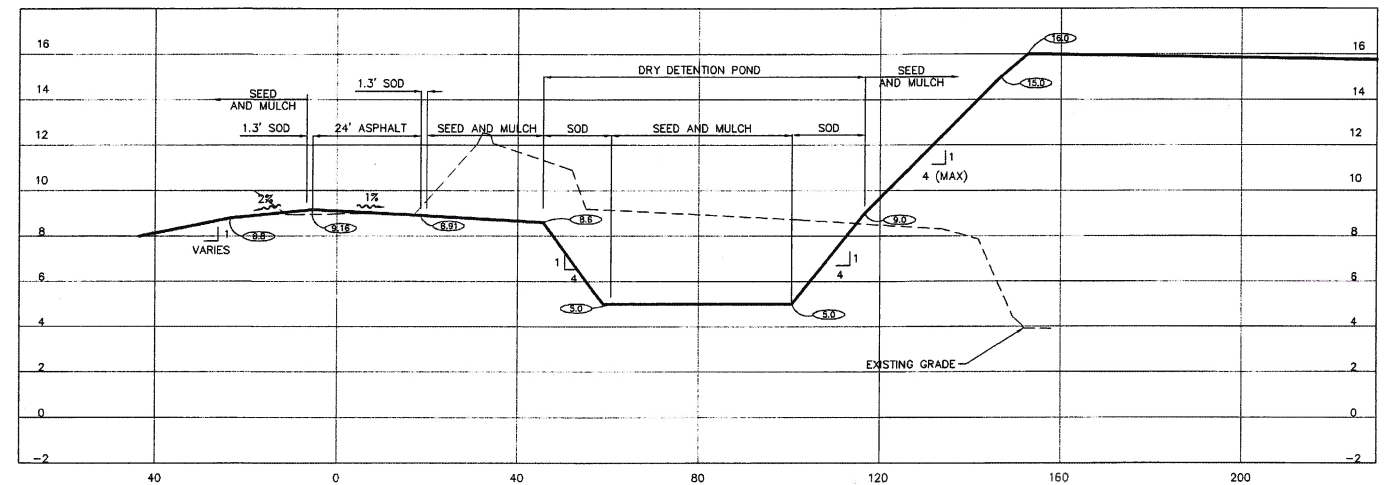
NOTE: *12" SHELL TRAIL AND 1.3' SOD SHOULDER EACH SIDE



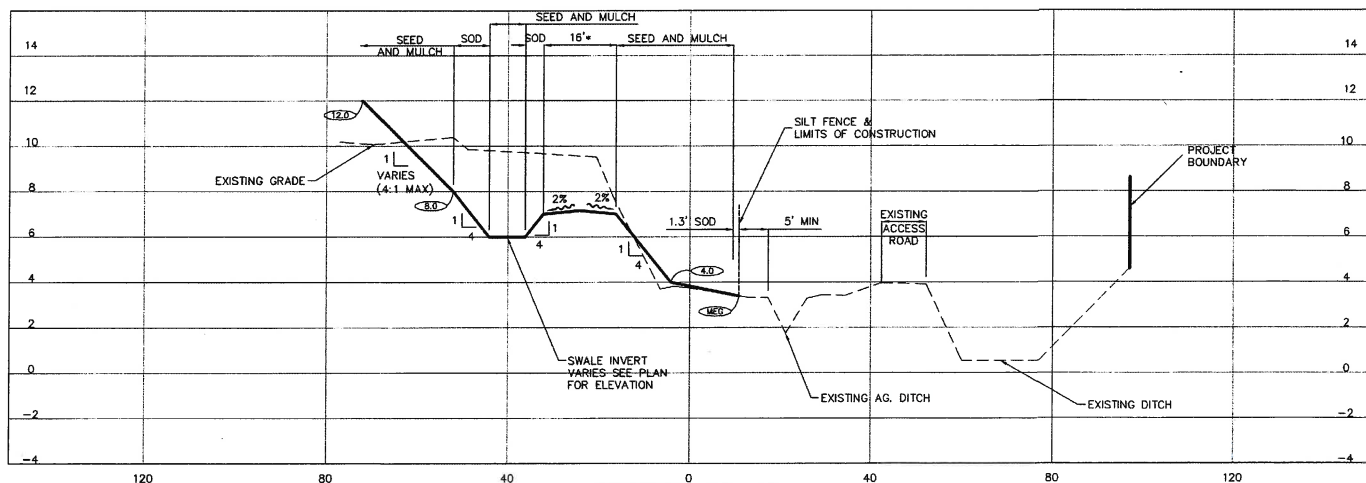
SECTION 16-16
1"=20' (HORIZ.)
1"=4' (VERT.)



SECTION 14-14
1"=20' (HORIZ.)
1"=4' (VERT.)

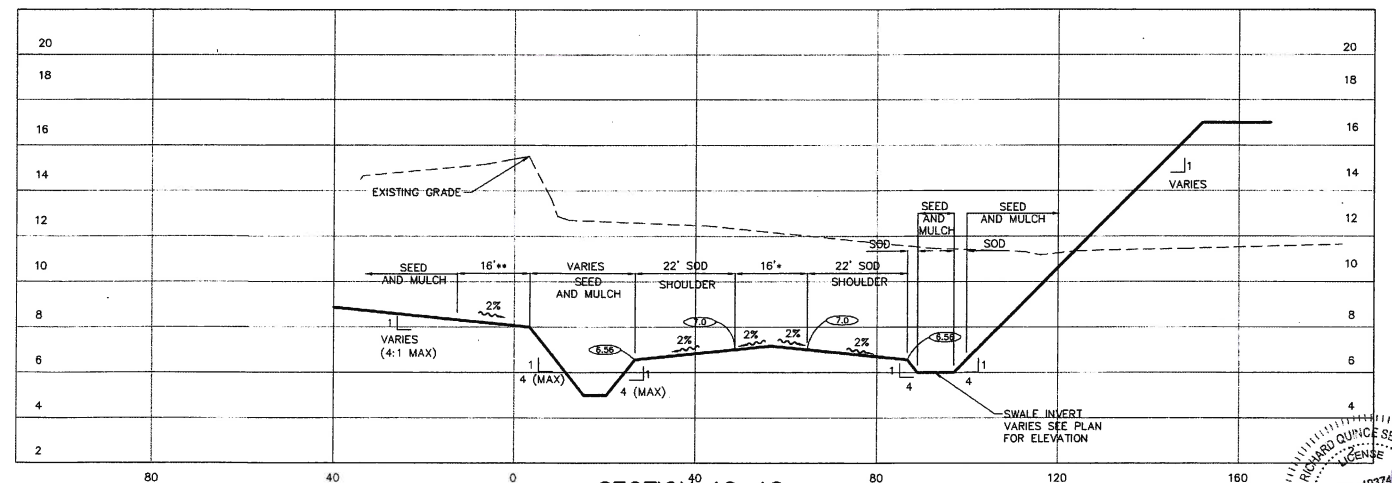


SECTION 17-17
1"=20' (HORIZ.)
1"=4' (VERT.)



SECTION 15-15
1"=20' (HORIZ.)
1"=4' (VERT.)

NOTE: *12" PAVED TRAIL AND 1.3' SOD SHOULDER EACH SIDE



SECTION 18-18
1"=20' (HORIZ.)
1"=4' (VERT.)

NOTE:
*12" PAVED TRAIL AND 1.3' SOD SHOULDER EACH SIDE
**12" SHELL TRAIL AND 1.3' SOD SHOULDER EACH SIDE

Jul 15, 2015 - 12:25:16 AS/102871/155/active/215510578/03_report-main/prop_grading/Sheet 215510578-01C-025-024025.dwg

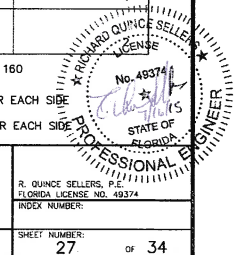
REV NO.	REVISION	DATE	DRAWN BY / EMP. NO.	CHECKED BY / EMP. NO.	WM APPROVED BY:	ACTIVITY	INITIALS/EMP. NO.	DATE
2	REVISE NOTES	12/3/14	AS/102871	RQS/89561		DESIGNED BY:	RQS/89561	JULY 2015
1	REVISE SOD WIDTH PER MCPNRD	9/17/14	AS/102871	RQS/89561		DRAWN BY:	AS/102871	JULY 2015
						CHECKED BY:		
						CONTRACT ADMIN. BY:		



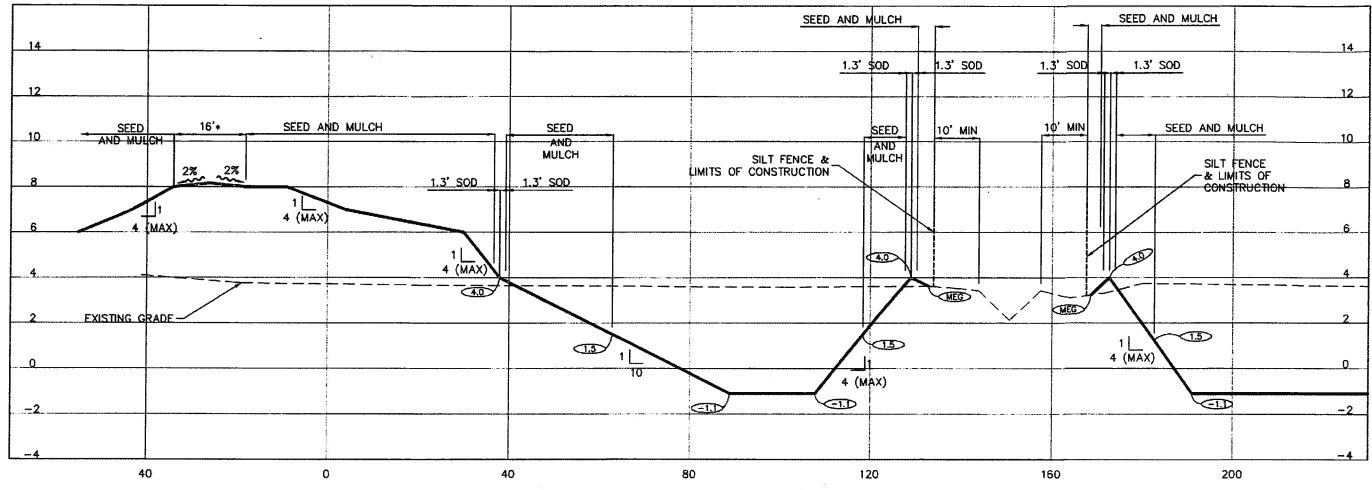
CLIENT: MANATEE BOARD OF COUNTY COMMISSIONERS
PROJECT: ROBINSON PRESERVE EXPANSION PHASE II RESTORATION

DATE: JULY 2015
HORIZONTAL SCALE:
VERTICAL SCALE:
SEC: TWP: RGE:
24 26 34S 16E

TITLE: GRADING CROSS SECTION
CROSS REFERENCE FILE NO.: 215510519-01C
PROJECT NUMBER: 215510578



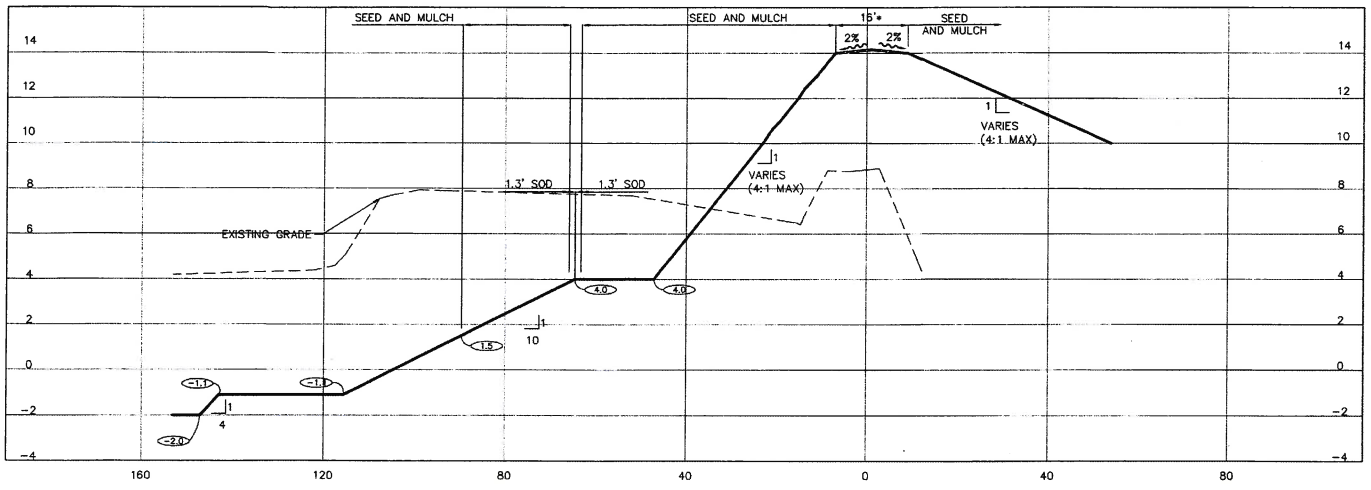
SHEET NUMBER: 27 OF 34



SECTION 19-19

1"=20' (HORIZ.)
1"=4' (VERT.)

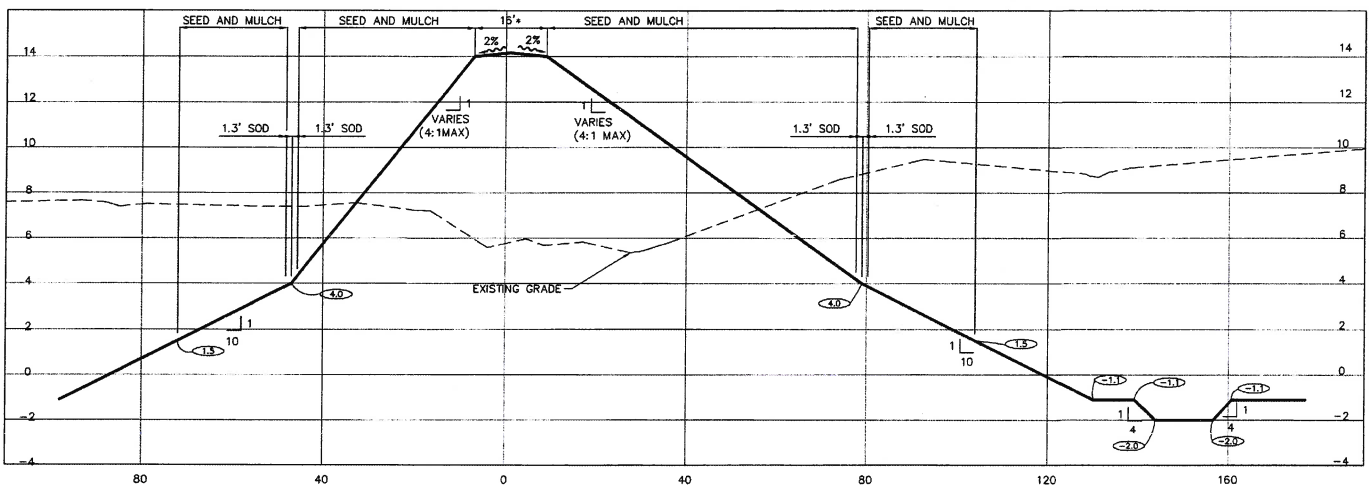
NOTE: +12' PAVED TRAIL AND 1.3' SOD SHOULDER EACH SIDE



SECTION 22-22

1"=20' (HORIZ.)
1"=4' (VERT.)

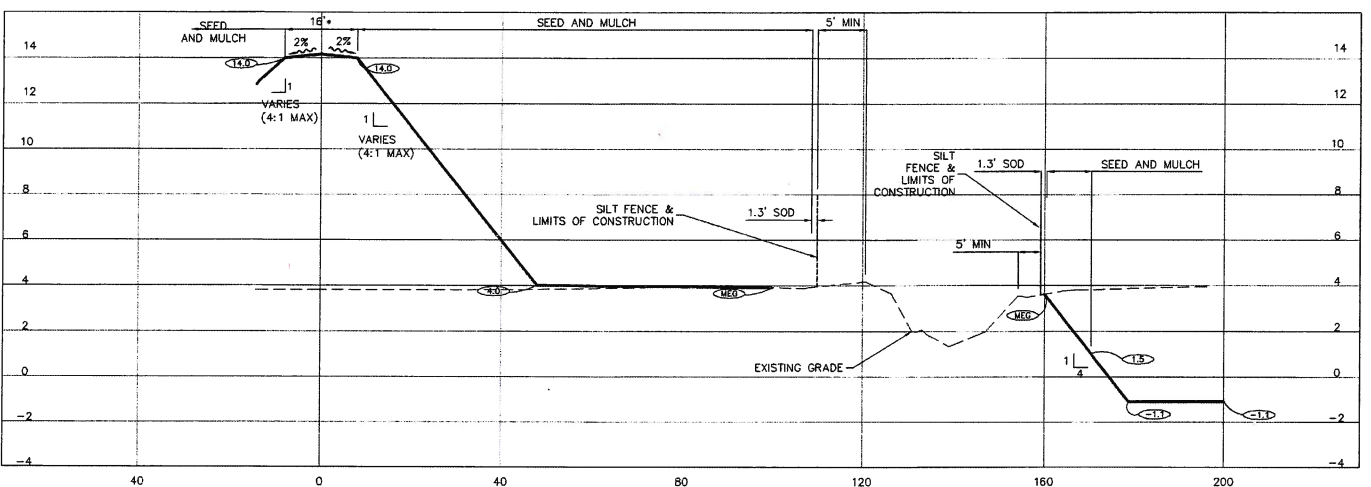
NOTE: +12' PAVED TRAIL AND 1.3' SOD SHOULDER EACH SIDE



SECTION 20-20

1"=20' (HORIZ.)
1"=4' (VERT.)

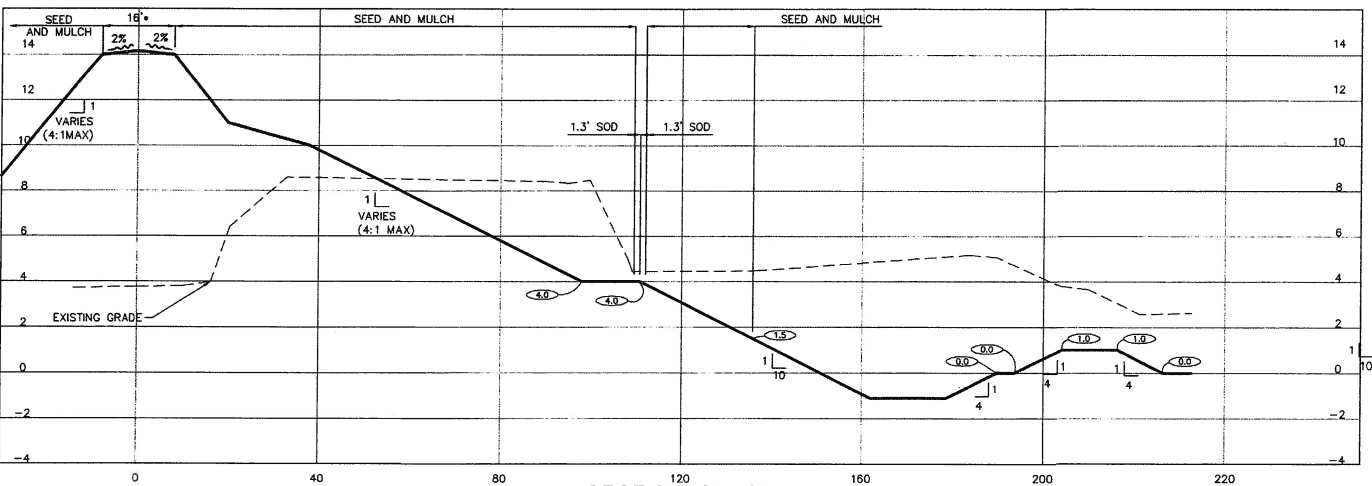
NOTE: +12' PAVED TRAIL AND 1.3' SOD SHOULDER EACH SIDE



SECTION 23-23

1"=20' (HORIZ.)
1"=4' (VERT.)

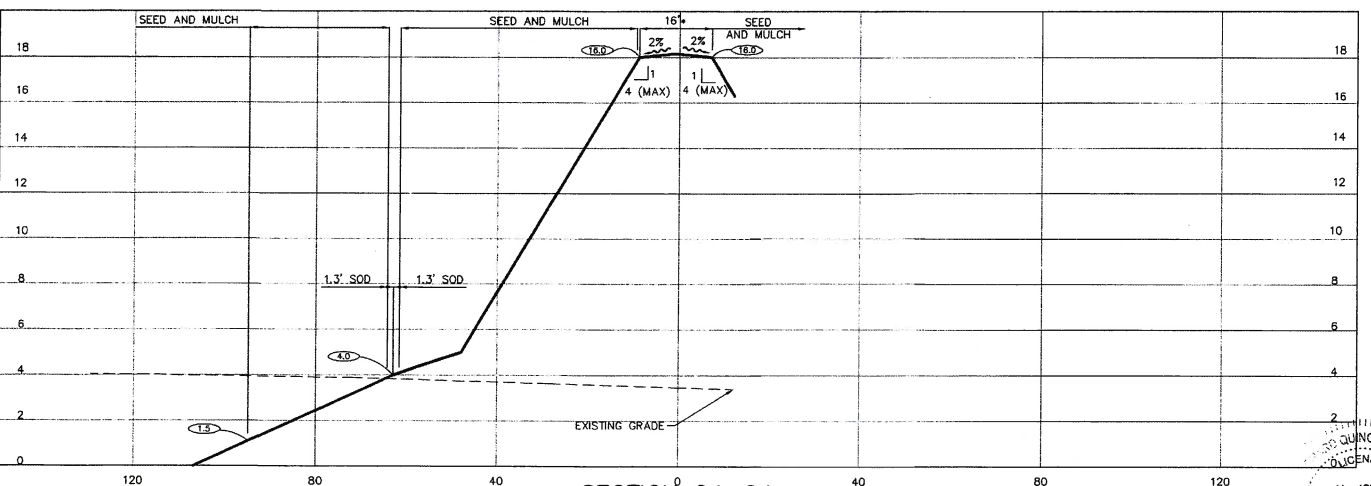
NOTE: +12' PAVED TRAIL AND 1.3' SOD SHOULDER EACH SIDE



SECTION 21-21

1"=20' (HORIZ.)
1"=4' (VERT.)

NOTE: +12' PAVED TRAIL AND 1.3' SOD SHOULDER EACH SIDE



SECTION 24-24

1"=20' (HORIZ.)
1"=4' (VERT.)

NOTE: +12' PAVED TRAIL AND 1.3' SOD SHOULDER EACH SIDE

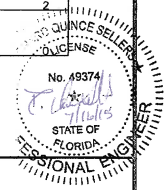
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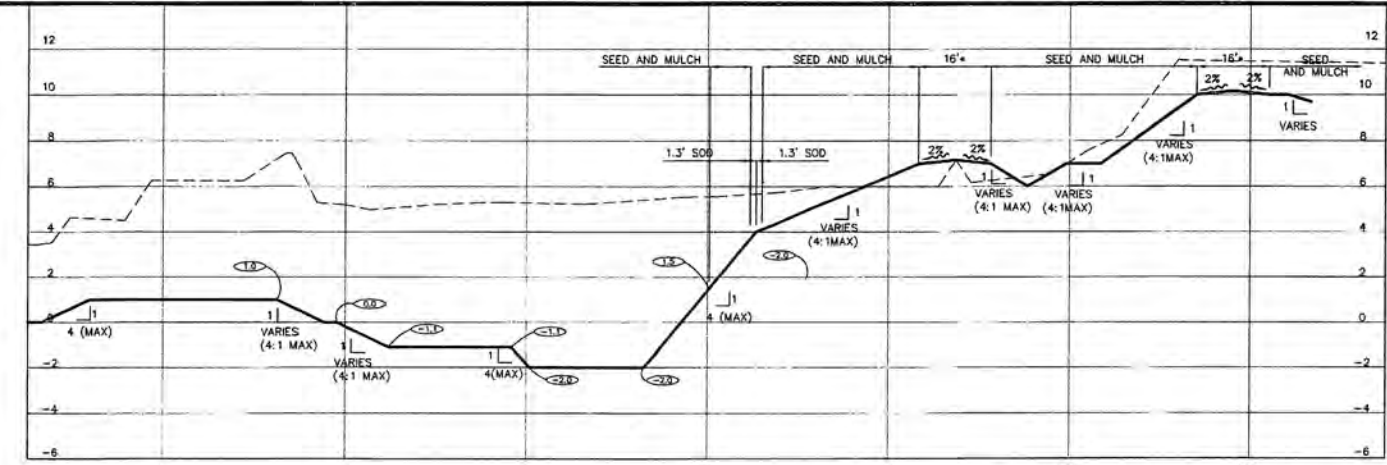
REV. NO.	REVISION	DATE	DRAWN BY / EMP. NO.	CHECKED BY / EMP. NO.	WM APPROVED BY:	ACTIVITY	INITIALS/EMP. NO.	DATE
3	REVISE SECTIONS 21	5/12/15	AS/102871	RQS/89561		DESIGNED BY:	RQS/89561	JULY 2015
2	REVISE SECTIONS 10, 11 AND 12 AND NOTES	12/3/14	AS/102871	RQS/89561		DRAWN BY:	AS/102871	JULY 2015
1	REVISE SOD WIDTH PER MCPNRD	9/17/14	AS/102871	RQS/89561		CONTRACT ADMIN. BY:		

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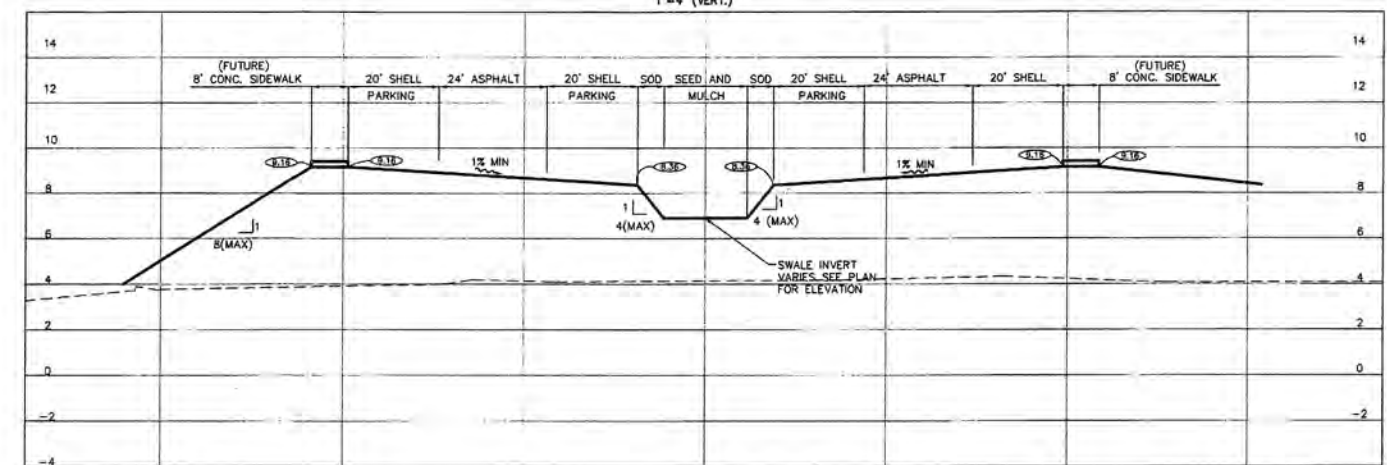
CLIENT:	MANATEE BOARD OF COUNTY COMMISSIONERS		DATE:	JULY 2015	TITLE:	GRADING CROSS SECTION	
PROJECT:	ROBINSON PRESERVE EXPANSION PHASE II RESTORATION		VERTICAL SCALE:	1"=4'	CROSS REFERENCE FILE NO.:	215510578-01C	PROJECT NUMBER:
			SEE: TWP: RCE: 23 34S 16E				215510578
							28 OF 34





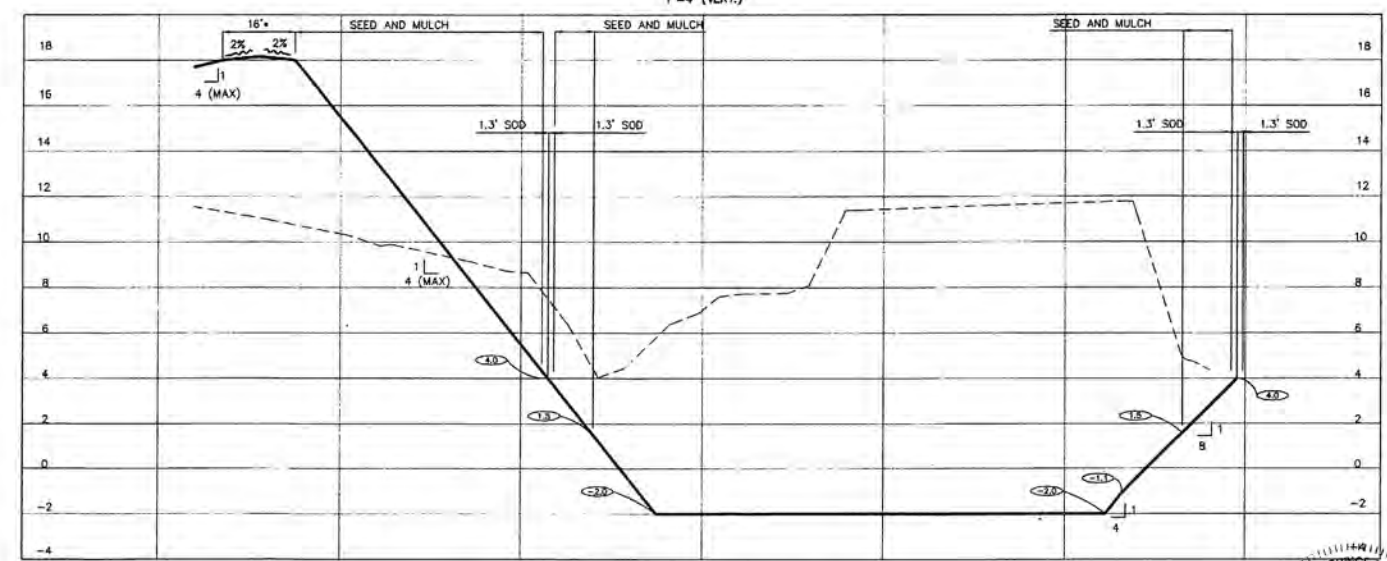
SECTION 27-27

1"=20' (HORIZ.)
1"=4' (VERT.)



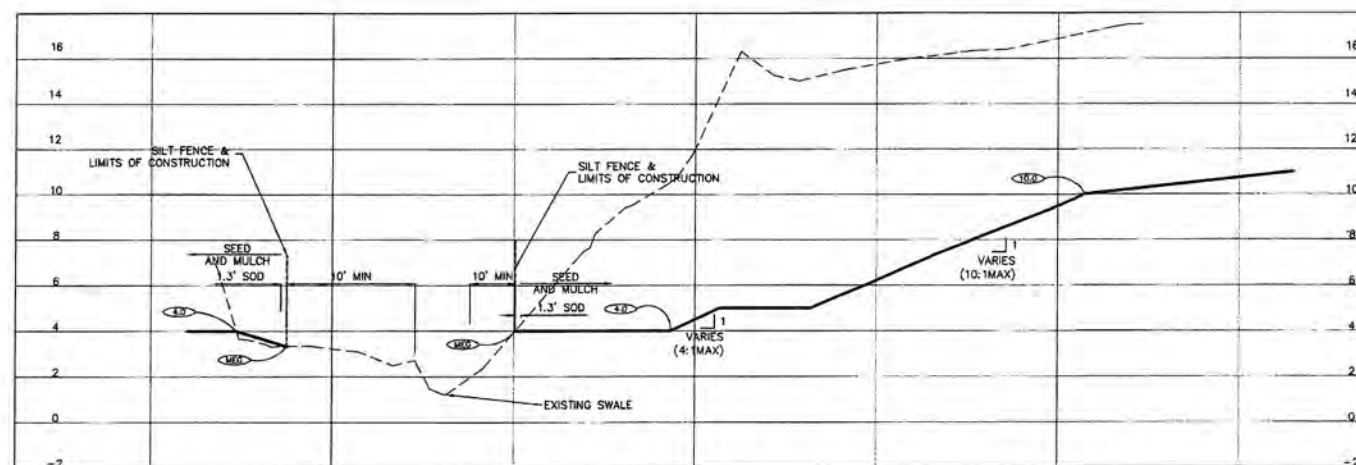
SECTION 28-28

1"=20' (HORIZ.)
1"=4' (VERT.)



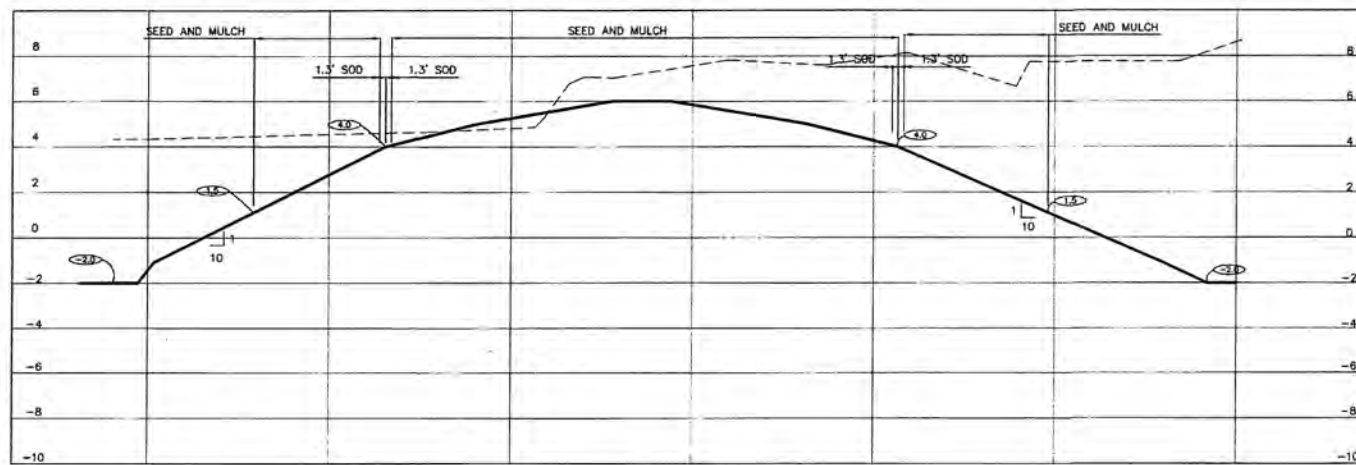
SECTION 29-29

1"=20' (HORIZ.)
1"=4' (VERT.)



SECTION 25-25

1"=20' (HORIZ.)
1"=4' (VERT.)



SECTION 26-26

1"=20' (HORIZ.)
1"=4' (VERT.)

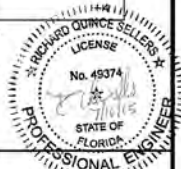
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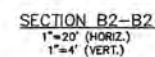
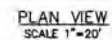
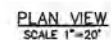
REV. NO.	REVISION	DATE	DRAWN BY / DWP. NO.	CHECKED BY / DWP. NO.	WM APPROVED BY:	ACTIVITY	SITINGS/EMP. NO.	DATE
2	REVISE SECTIONS 10, 11 AND 12 AND NOTES	12/3/14	AS/102871	RQS/89561		DESIGNED BY:	RQS/89561	JULY 2015
1	REVISE SOD WIDTH PER MCPHRD	9/17/14	AS/102871	RQS/89561		DRAWN BY:	AS/102871	JULY 2015
						CHECKED BY:		
						CONTRACT ADMIN. BY:		

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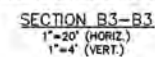
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CLIENT:	MANATEE BOARD OF COUNTY COMMISSIONERS	DATE:	JULY 2015	TITLE:	GRADING CROSS SECTION
PROJECT:	ROBINSON PRESERVE EXPANSION PHASE II RESTORATION	PROJ. NO.:	215510578	PROJECT NUMBER:	215510578
		DATE:	JULY 2015		
		PROJ. NO.:	215510578		
		DATE:	JULY 2015		
		PROJ. NO.:	215510578		





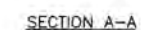
TYPICAL BRIDGE 2 DETAIL



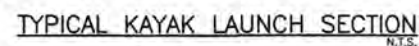
TYPICAL BRIDGE 3 DETAIL



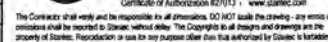
(W1) SHELL WEIR 1 TYPICAL DETAIL



(W2) SHELL WEIR 2 TYPICAL DETAIL (FUTURE)



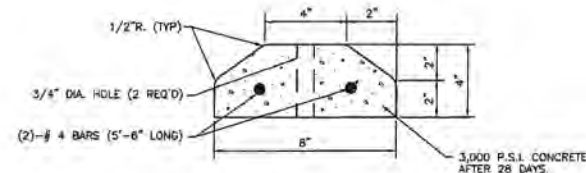
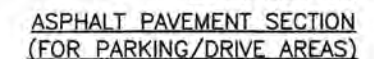
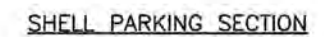
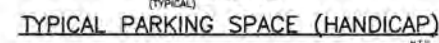
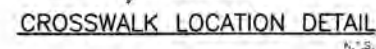
4	ADD BRIDGE 2 AND 3 TYPICAL DETAIL	7/15/15	AS/102871	RQS/89561	DESIGNED BY:	RQS/89561	JULY 2015
3	ADD KAYAK LAUNCH TYPICAL DETAIL	6/23/15	AS/102871	RQS/89561	DRAWN BY:	AS/102871	JULY 2015
2	REVISE W2 TO FUTURE	5/12/15	AS/102871	RQS/89561	CHECKED BY:		
1	REVISE DETAIL PER MCPNRD	9/17/14	AS/102871	RQS/89561	CONTRACT ADMIN. BY:		
Δ/REV. NO.	REVISION	DATE	DESIGNED BY / EMP. NO.	CHECKED BY / EMP. NO.	WM APPROVED BY:		



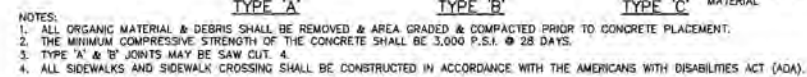
CLIENT:	MANATEE BOARD OF COUNTY COMMISSIONERS
PROJECT:	ROBINSON PRESERVE EXPANSION PHASE II RESTORATION

DATE: JULY 2015 HORIZONTAL SCALE:	TITLE: CONSTRUCTION DETAILS		
VERTICAL SCALE:			
SHEET NO.: 21 OF 34	CROSS REFERENCE FOR NO.: 215510519-01C	PROJECT NUMBER: 215510578	SHEET NUMBER: 30 OF 34



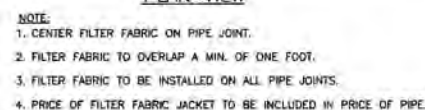
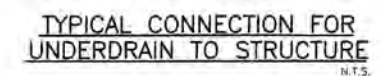


PRECAST CONCRETE WHEEL STOP

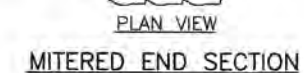


TYPE	LOCATION
'A'	P.C. & P.T. OF CURVES JUNCTION OF EXISTING & NEW SIDEWALKS.
'B'	5'-0" CENTER TO CENTER ON SIDEWALKS.
'C'	WHERE SIDEWALK ABUTS CONCRETE CURBS, DRIVE- WAYS & SIMILAR STRUC- TURES AT INTERVALS NOT TO EXCEED 80 FEET.

TYPICAL SIDEWALK DETAIL
(FUTURE) W.S.



FILTER FABRIC JACKET
N.T.S.



- NOTES:
1. CONCRETE SHALL BE 3000 P.S.I. @ 28 DAYS
 2. CHAMFER ALL EXPOSED EDGES 3/4"
 3. RIP-RAP SHALL BE SUPPLIED AND CONSTRUCTED AS DEFINED IN THE F.O.D.T. SPECIFICATIONS SEC. 530. "RIP-RAP" SPECIFICALLY SEC. 530-3.1 OF SEC. 530-3.3 "CONSTRUCTION METHODS" 5 SY. RIP-RAP AND FILTER CLOTH TO BE INCLUDED IN THE UNIT PRICE OF THE MITERED END SECTION, IF ADDITIONAL RIP-RAP (> 5 SY.) IS REQUIRED AND DIRECTED, IT SHALL BE PAID FOR ON A PER YARD BASIS IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
 4. FILTER FABRIC SHALL BE SUPPLIED AND CONSTRUCTED AS DEFINED IN THE F.O.D.T. SPECIFICATIONS SEC. 514. PLACING OF FABRIC SPECIFICALLY SEC. 514-3.4 RPPAP, INCLUDED IN UNIT COST OF MITERED END SECTION.

REV	DESCRIPTION	DATE	BY	CHECKED BY	DATE	ACTIVITY	INITIALS/EMP. NO.	DATE
3	REMOVE FUTURE FROM HANDICAP PARKING DETAIL AND ASPHALT PAVEMENT SECT.	7/16/15	AS/102871	ROS/89561		DRAWN BY:	ROS/89561	JULY 2015
2	REVISE H/C DETAIL	7/7/15	AS/102871	ROS/89561		CHECKED BY:	AS/102871	JULY 2015
1	REVISE/ADD DETAILS PER MCPNRD	9/17/14	AS/102871	ROS/89561		CONTRACT ADMIN. BY:		
ΔREV. NO.	REVISIONS	DATE	DRAWN BY / EMP. NO.	CHECKED BY / EMP. NO.		WM APPROVED BY:		



CLIENT:	MANATEE BOARD OF COUNTY COMMISSIONERS
PROJECT:	ROBINSON PRESERVE EXPANSION PHASE II RESTORATION

DATE	JULY 2015		
HORIZONTAL SCALE:			
VERTICAL SCALE:			
SEC	TWP	RGE	
23	34S	16E	

015	TITLE: CONS
SOALE	
SALE	
AGE: 16F	CROSS REFERENCE FILE NO: 215510519-010

CONSTRUCTION DETAILS

A circular professional seal for Richard Quince Sellers, a Professional Engineer in the State of Florida. The seal features the text "RICHARD QUINCE SELLERS" at the top, "LICENSE" below it, and "No. 4937A" in the center. The words "PROFESSIONAL ENGINEER" are written around the bottom half of the circle, and "STATE OF FLORIDA" is at the very bottom. A signature is visible across the center of the seal.

