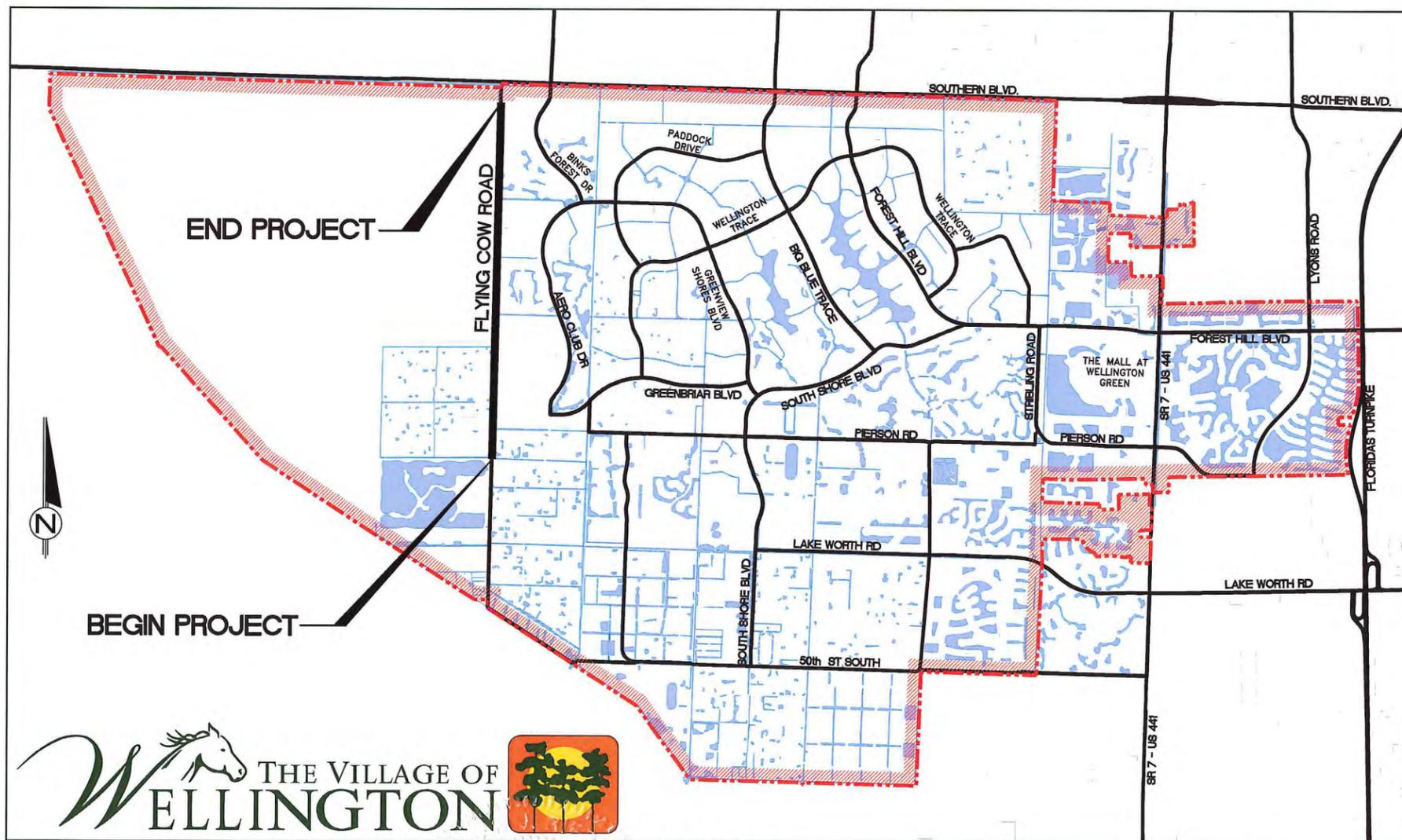


# 100% CONSTRUCTABILITY PLANS FOR WELLINGTON ENVIRONMENTAL PRESERVE GREENWAY PROJECT

## LAP PROJECT #: 433196-1 (ISSUED FOR CONSTRUCTION)

VILLAGE CONCIL  
 BOB MARGOLIS - MAYOR  
 JOHN GREENE - VICE MAYOR  
 MATT WILLHITE - COUNCIL MEMBER  
 ANNE GERWIG - COUNCIL MEMBER  
 HOWARD K. COATES, JR - COUNCIL MEMBER



### DRAWING INDEX

SHEET NO.	DESCRIPTION
COV	COVER
KEY	KEY SHEET
C.1	TYPICAL SECTIONS
C.2	TYPICAL DETAILS AND NOTES
C.3 - C.23	PLAN AND PROFILE
C.24 - C.27	CROSS-SECTIONS
C.28	CROSS-SECTIONS VOLUME QUANTITIES
L.1	FDOT DETAILS
L.2 - L.12	LANDSCAPE PLANS
SPP.1 - SPP.11	STORMWATER POLLUTION PREVENTION PLAN
S.1	STRUCTURAL SHELTER DETAILS

VILLAGE MAP  
1:3,000 SCALE

#### ENGINEER'S CERTIFICATION:

I HEREBY CERTIFY THAT THE ATTACHED PLANS AND DESIGN ARE IN SUBSTANTIAL COMPLIANCE WITH THE DESIGN STANDARDS AND CRITERIA IN EFFECT ON THIS DATE FOR THE WELLINGTON ENGINEERING DEPARTMENT.

DATE: 11/27/14

WILLIAM J. RIEBE, P.E.  
 VILLAGE ENGINEER  
 FL REGISTRATION NO. 49597

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WILLIAM RIEBE, P.E.  
 FLORIDA LICENSE No. 49597

Engineering Department  
 12300 Forest Hill Boulevard, Wellington, Florida 33414

#### 100% CONSTRUCTABILITY PLANS

DATE	11/12/2014	JOB NO. LAP#: 433196-1
DRAWN	J.R.R.	
PROJECT ENGINEER	J.R.R./P.F.B.	
PROJECT MANAGER	W.J.R.	
CHECKED	W.J.R.	

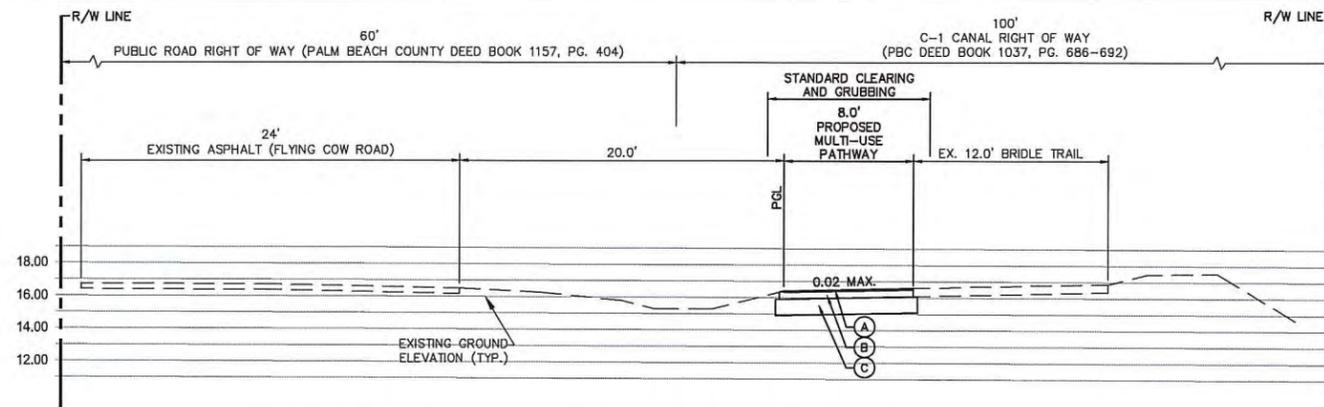


Know what's below.  
Call before you dig.

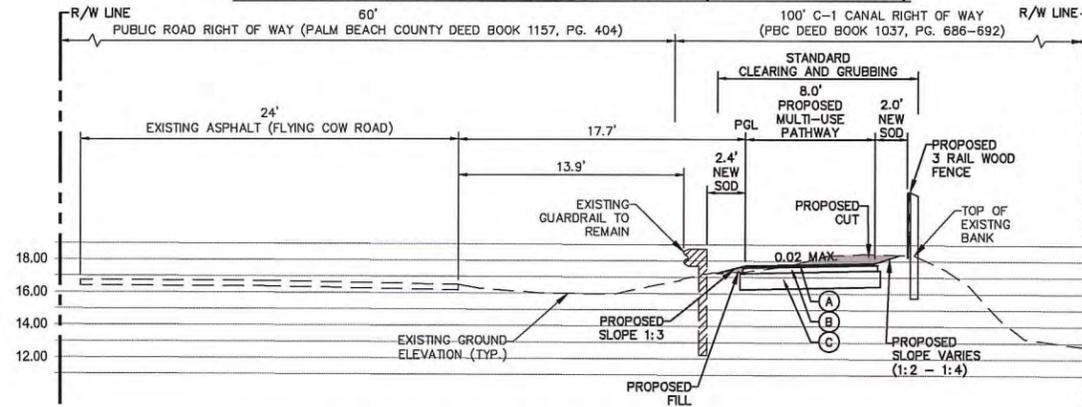
F.D.O.T. STANDARD SPECIFICATIONS:  
 2013 EDITION SHALL APPLY TO THIS PROJECT  
 UNLESS OTHERWISE NOTED

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

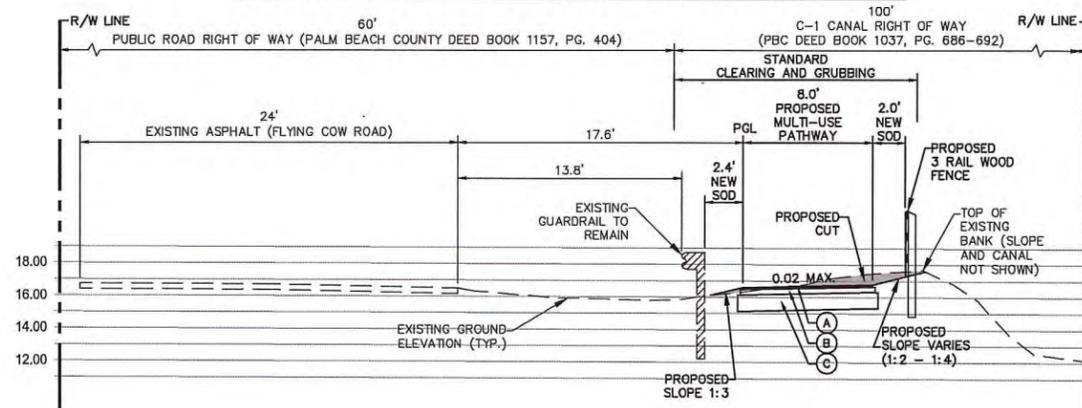




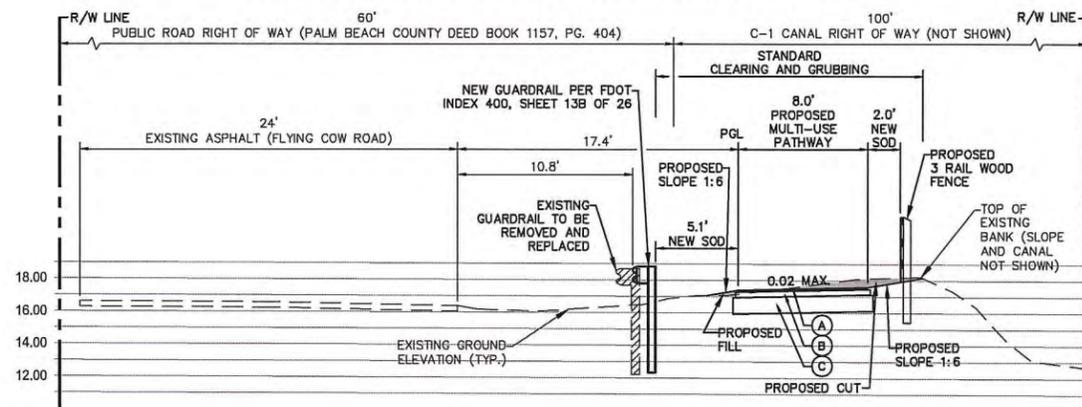
TYPICAL SECTION STATION 1+50 - 14+00 (LOOKING NORTH)



TYPICAL SECTION NEAR STATION 17+20 (LOOKING NORTH)



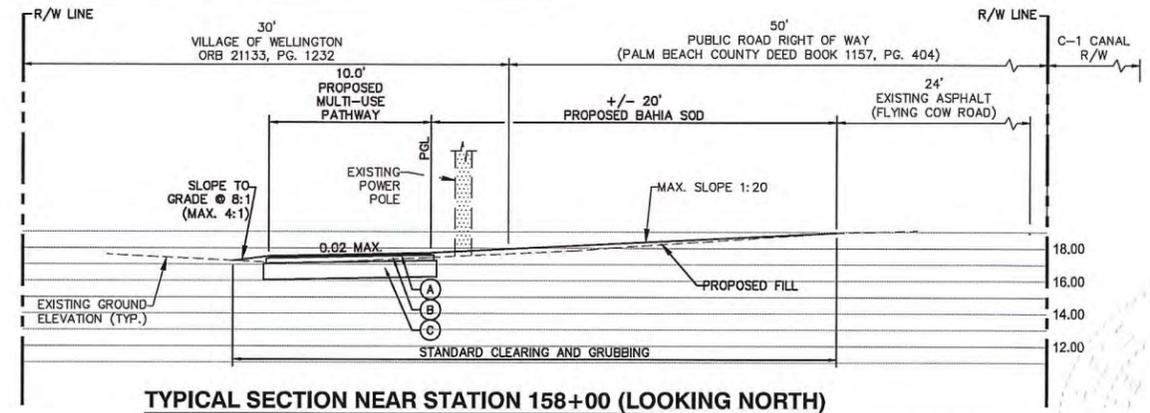
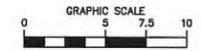
TYPICAL SECTION NEAR STATION 37+80 (LOOKING NORTH)



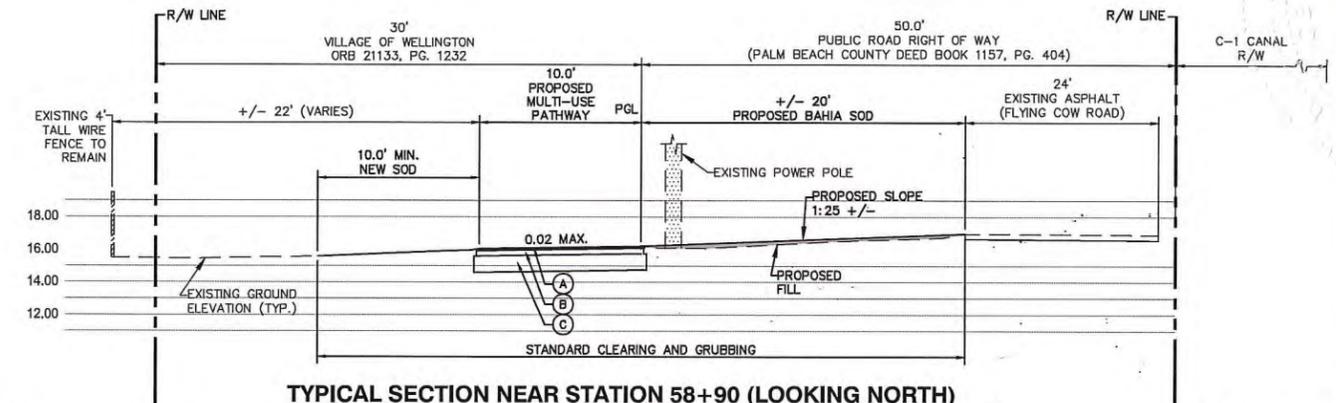
TYPICAL SECTION NEAR STATION 57+10 (LOOKING NORTH)

**MULTIUSE PATH SPECIFICATIONS**

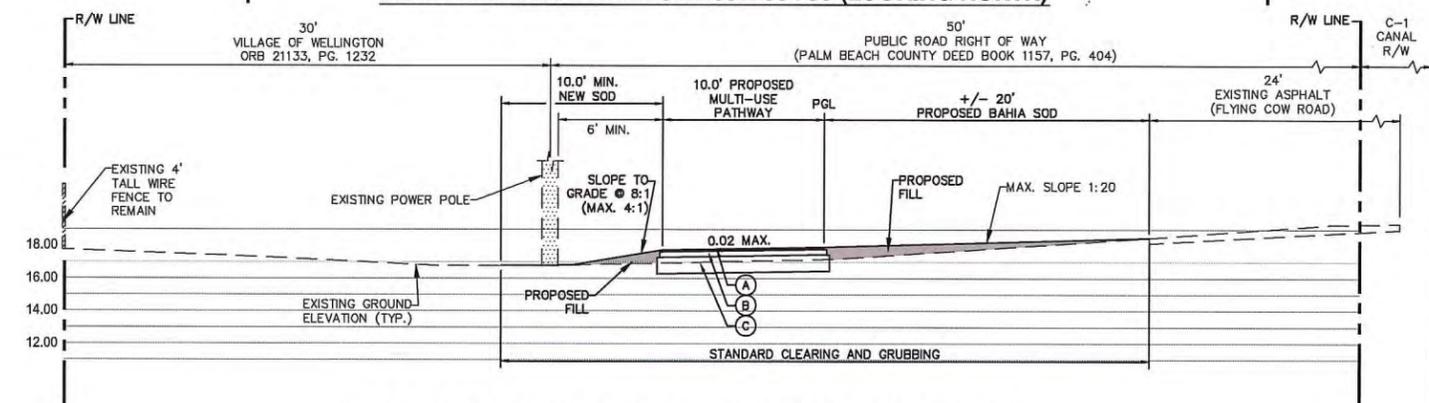
- (A) 1" TYPE SP-9.5 ASPHALTIC CONCRETE (APPLY IN ONE LIFT)
- (B) 6" LIMEROCK COMPACTED TO 98% AASHTO T-180 (LBR 100)
- (C) 12" TYPE B STABILIZATION (LBR 40)



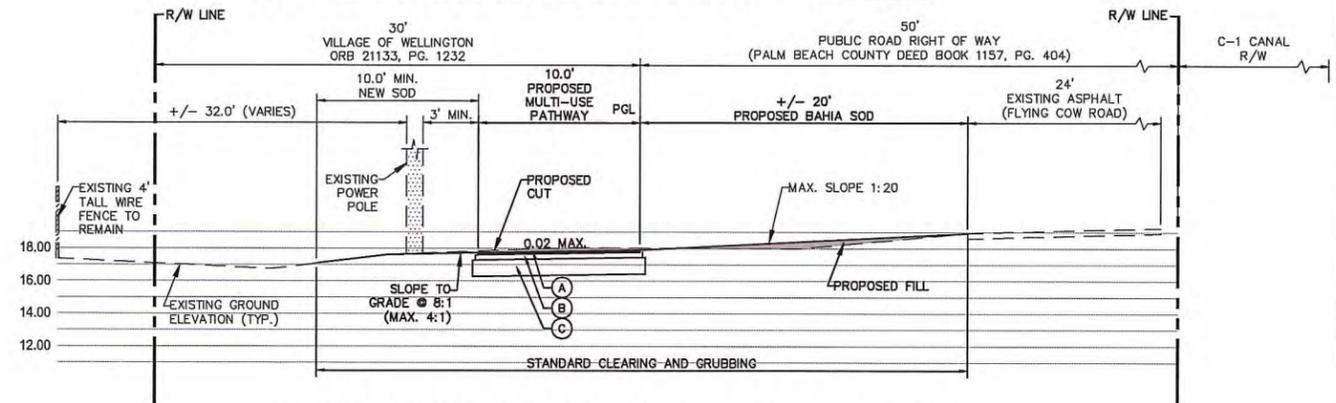
TYPICAL SECTION NEAR STATION 158+00 (LOOKING NORTH)



TYPICAL SECTION NEAR STATION 58+90 (LOOKING NORTH)



TYPICAL SECTION NEAR STATION 115+40 (LOOKING NORTH)



TYPICAL SECTION NEAR STATION 150+00 (LOOKING NORTH)

**REVISIONS**

NO.	DATE	DESCRIPTION
1	02/24/14	ISSUE FOR PERMIT
2	02/24/14	ISSUE FOR PERMIT
3	02/24/14	ISSUE FOR PERMIT
4	02/24/14	ISSUE FOR PERMIT
5	02/24/14	ISSUE FOR PERMIT
6	02/24/14	ISSUE FOR PERMIT
7	02/24/14	ISSUE FOR PERMIT
8	02/24/14	ISSUE FOR PERMIT
9	02/24/14	ISSUE FOR PERMIT
10	02/24/14	ISSUE FOR PERMIT

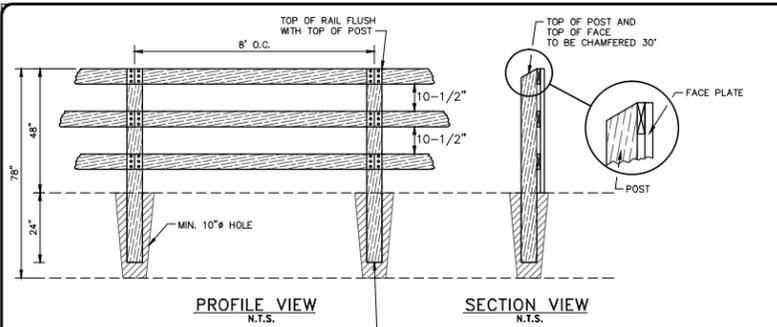
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TYPICAL SECTIONS FOR WELLINGTON ENVIRONMENTAL PRESERVE GREENWAY PROJECT

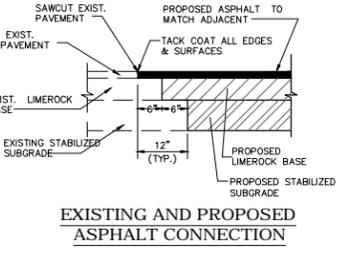
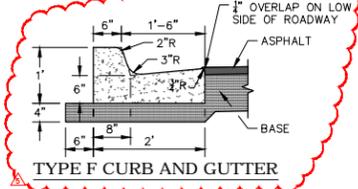
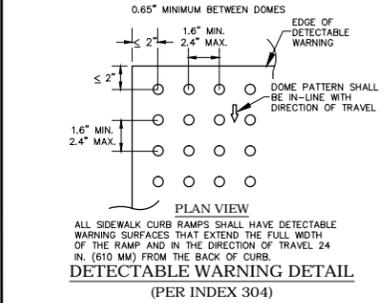
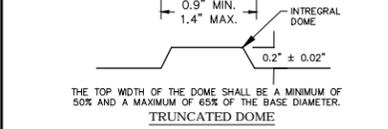
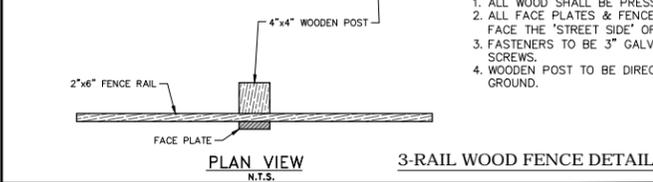


DATE	DRAWN	PROJECT ENGINEER	PROJECT MANAGER	CHECKED
02 / 2014	JRR	JRR	JRR	WJR

C.1  
JOB NO. LAP-433196-1



- NOTES:**
1. ALL WOOD SHALL BE PRESSURE TREATED
  2. ALL FACE PLATES & FENCE RAILS SHALL FACE THE 'STREET SIDE' OF THE POSTS.
  3. FASTENERS TO BE 3" GALVANIZED WOOD SCREWS.
  4. WOODEN POST TO BE DIRECT BURIED IN GROUND.



PROPOSED FEATURES	ABBREVIATIONS	ELEV.	ELEVATION
	ASPHALT PAVEMENT	ELEV.	ELEVATION
	FINISHED GRADE ELEVATION	INV	INVERT
	TRAFFIC SIGN	EXIST.	EXISTING
	DRAINAGE FLOW DIRECTION	TYP	TYPICAL
	THREE RAIL WOOD FENCE	FT	FEET OR FOOT
	EXISTING	LF	LINEAR FEET
	MEASURED ELEV.	N	NORTH
	O.R.B.	S	SOUTH
	SANITARY MANHOLE	E	EAST
	STORM MANHOLE	W	WEST
	CLEANOUT	R/W	RIGHT OF WAY
	FIRE HYDRANT	R.C.P.	REINFORCED CONCRETE PIPE
	FENCE	P.B.	PLAT BOOK
	GATE VALVE	WM	WATERMAIN
	WATER METER	U.E.	UTILITY EASEMENT
	CATCH BASIN	A.E.	ACCESS EASEMENT
	STREET LIGHT	D.E.	DRAINAGE EASEMENT
	TREE	C	CENTERLINE
	INFORMATION SIGN	P	PROPERTY LINE
	GUY WIRE	CP	CORRUGATED ALUMINUM PIPE
	MAILBOX	PVC	POLYVINYL CHLORIDE
	ELECTRIC BOX	OD	OUTSIDE DIAMETER
	CORRUGATED METAL PIPE	CY	CUBIC YARD
	UTILITY POLE	IN	INCH
	BURIED ELECTRIC	LT	LEFT
	BURIED TELEPHONE	RT	RIGHT
	OVERHEAD ELECTRIC	SF	SQUARE FEET
	OVERHEAD TELEPHONE	AC	ACRE
	STORM	PC	POINT OF CURVATURE
	WATER	PT	POINT OF TANGENCY
		PI	POINT OF INTERSECTION
		SY	SQUARE YARD
		HDPE	HIGH DENSITY POLYETHYLENE
		CMP	CORRUGATED METAL PIPE
		TBM	TEMPORARY BENCHMARK
		FES	FLARED END SECTION

- GENERAL NOTES**
1. ALL WORK SHALL CONFORM TO FDOT SPECIFICATIONS AND DESIGN STANDARDS, LATEST EDITION, UNLESS SPECIFIED OTHERWISE.
    - 1.1. EARTHWORK SHALL CONFORM WITH FDOT LAP SPECIFICATION 120.
    - 1.2. ASPHALT WORKS SHALL CONFORM WITH FDOT LAP SPECIFICATION 334.
    - 1.3. CONCRETE WORKS SHALL CONFORM WITH FDOT LAP SPECIFICATION 344.
    - 1.4. LANDSCAPE INSTALLATION SHALL CONFORM WITH FDOT LAP SPECIFICATION 580.
    - 1.5. FDOT LAP SPECIFICATIONS CAN BE FOUND IN THE BID DOCUMENTS AND AT <http://www.dot.state.fl.us/specificationsoffice/implemented/LAP/LAPSPES/DEFAULT.SHTM>
    - 1.6. MAINTENANCE OF TRAFFIC (MOT) WITH FDOT STANDARD INDEX 600.
  2. ALL WORK SHALL BE PERFORMED ENTIRELY WITHIN AND FROM THE RIGHT OF WAY.
  3. POSTED SPEED LIMIT: 30-55 MPH (UNLESS OTHERWISE SPECIFIED)
  4. WORK INCLUDED
    - 4.1. THE CONTRACTOR SHALL FURNISH ALL LABOR, SUPERINTENDENCE, QUALITY CONTROL, MATERIALS, PLANT, POWER, LIGHT, HEAT, FUEL, WATER, TOOLS, APPLIANCES, EQUIPMENT, SUPPLIES, AND OTHER MEANS OF CONSTRUCTION NECESSARY AND PROPER FOR PERFORMING AND COMPLETING THE WORK. CONTRACTOR SHALL PERFORM AND COMPLETE THE WORK IN THE MANNER BEST CALCULATED TO PROMOTE SCHEDULED CONSTRUCTION CONSISTENT WITH SAFETY OF LIFE AND PROPERTY AND TO THE SATISFACTION OF THE OWNER, AND IN STRICT ACCORDANCE WITH THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL CLEAN UP THE WORK, MAINTAIN IT DURING CONSTRUCTION, AND PAY ALL COSTS INCIDENTAL THERETO. CONTRACTOR SHALL REPAIR OR RESTORE ALL STRUCTURES AND PROPERTY THAT MAY BE DAMAGED OR DISTURBED DURING PERFORMANCE OF THE WORK.
    - 4.2. THE COST OF INCIDENTAL WORK DESCRIBED IN THESE GENERAL REQUIREMENTS, FOR WHICH THERE ARE NO SPECIFIC CONTRACT ITEMS, SHALL BE CONSIDERED AS PART OF THE GENERAL COST OF DOING THE WORK AND SHALL BE INCLUDED IN THE PRICES FOR THE VARIOUS CONTRACT ITEMS. NO ADDITIONAL PAYMENT WILL BE MADE THEREFORE.
    - 4.3. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN SUCH MODERN PLANT, TOOLS, AND EQUIPMENT AS MAY BE NECESSARY IN THE OPINION OF THE ENGINEER, TO PERFORM IN A SATISFACTORY AND ACCEPTABLE MANNER ALL THE WORK REQUIRED BY THE CONTRACT. ONLY EQUIPMENT OF ESTABLISHED REPUTATION AND PROVEN EFFICIENCY SHALL BE USED. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE ADEQUACY OF WORKMANSHIP, MATERIALS AND EQUIPMENT, PRIOR APPROVAL OF THE ENGINEER NOTWITHSTANDING
  5. SHOP DRAWINGS, PRODUCT DATA AND SAMPLES
    - 5.1. SUBMIT AT LEAST FIVE (5) COPIES OF ALL REQUIRED SHOP DRAWINGS, PRODUCT DATA AND SAMPLES FOR ENGINEER'S REVIEW.
    - 5.2. SHOP DRAWINGS, PRODUCT DATA, SAMPLES AND TRANSMITTAL LETTERS PERTAINING THERETO SHALL BE IDENTIFIED WITH THE TITLE OF THE PROJECT, SUBMISSION DATE, AND THE CONTRACTOR'S ACKNOWLEDGEMENT THAT HE HAS REVIEWED THEM AND FOUND THEM ACCEPTABLE.
    - 5.3. NOTIFY ENGINEER IN WRITING, AT THE TIME OF SUBMITTAL, OF ANY DEVIATIONS IN THE SUBMITTALS FROM THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.
    - 5.4. THE REVIEW AND APPROVAL OF SHOP DRAWINGS, SAMPLES OR PRODUCT DATA BY THE ENGINEER SHALL NOT RELIEVE THE CONTRACTOR FROM HIS/HER RESPONSIBILITY WITH REGARD TO THE FULFILLMENT OF THE TERMS OF THE CONTRACT DOCUMENTS. ALL RISKS OF ERROR AND OMISSION ARE ASSUMED BY THE CONTRACTOR AND THE ENGINEER WILL HAVE NO RESPONSIBILITY THEREFORE.
  6. THE LOCATION OF ALL EXISTING UTILITIES SHOWN IN THE PLANS ARE PROXIMATE ONLY AND ARE BASED ON AS BUILT SURVEY INFORMATION. ADDITIONAL UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UTILITIES PRIOR TO BEGINNING CONSTRUCTION. ANY AND ALL KNOWN CONFLICTS WITH EXISTING UTILITIES SHALL BE REPORTED TO THE CONSULTANT. THIS WORK BY THE CONTRACTOR SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED. THE APPROPRIATE UTILITY COMPANY SHALL BE NOTIFIED IN ADVANCE OF ANY EXCAVATION INVOLVING THEIR UTILITIES SO THAT A COMPANY REPRESENTATIVE CAN BE PRESENT. DETERMINATION OF THE EXACT LOCATION OF ANY/ALL UTILITIES WHICH MAY BE INVOLVED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING UTILITY LOCATION PRIOR TO SUBMITTING SHOP DRAWINGS OF PRECAST COMPLEX STRUCTURES FOR APPROVAL.
 

UTILITY OWNERS:	CONTACT:	TELEPHONE NO.
AT&T	SANDRA EMERT	(561) 357-6616
COMCAST CABLEVISION	JENNIFER MCENROE	(561) 881-3255
FLORIDA POWER LIGHT	ALAN BOAZ	(561) 575-6346
FLORIDA PUBLIC UTILITIES	VINCE KREPPS	(561) 684-4030
VILLAGE OF WELLINGTON	COREY ROBINSON	(561) 753-2464
PALM BEACH COUNTY		
TRAFFIC COMMUNICATION	SUPERINTENDENT	(561) 533-3900
  7. THE CONTRACTOR SHALL NOTIFY THE PROPER UTILITY COMPANY AT LEAST 48 HOURS IN ADVANCE OF ANY EXCAVATION NEAR OR AROUND THEIR FACILITY SO THAT A COMPANY REPRESENTATIVE CAN BE PRESENT.
  8. THE CONTRACTOR IS TO USE EXTREME CAUTION WHEN WORKING IN OR AROUND AREAS OF OVERHEAD TRANSMISSION LINES AND UNDERGROUND UTILITIES.
  9. THE CONTRACTOR IS TO PROTECT UNDERGROUND UTILITIES DURING CONSTRUCTION AT ALL TIMES.
  10. FOR UTILITY ADJUSTMENT SYMBOLS, SEE FDOT STANDARD INDEX 002.
  11. 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 PROJECT ENGINEER SHALL NOTIFY THE COUNTY SURVEYOR WITHOUT THE WAY BY TELEPHONE.
  12. ALL ELEVATIONS ARE REFERENCED TO THE NATIONAL GEODETIC VERTICAL DATUM (NGVD) OF 1929 IN FEET.
  13. TOPOGRAPHIC SURVEY PERFORMED BY ENGENUITY GROUP, INC. AND WANTMAN GROUP
  14. ANY NGVD 29 MONUMENT WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED.
  15. ALL EXISTING TREES & SHRUBS IN CONFLICT WITH PROPOSED PATHWAYS WITHIN R/W SHALL BE REMOVED.
  16. NEATLY REMOVE OR PRUNE ALL EXIST. TREES, HEDGES AND OTHER VEGETATION (INCLUDING THOSE NOT SHOWN HEREON) AS NECESSARY TO PROVIDE MINIMUM CLEARANCES OF 1FT HORIZONTAL AND 10FT VERTICAL FROM THE PROPOSED PATH.
  17. EXISTING DRAINAGE STRUCTURES AND PIPES WITHIN THE LIMITS OF CONSTRUCTION SHALL REMAIN UNLESS OTHERWISE NOTED.
  18. ALL EXISTING PIPES THAT ARE TO REMAIN ARE TO BE CLEANED OUT (DESILTED) AS DIRECTED BY THE ENGINEER.
  19. ALL STATIONS AND OFFSETS ARE FROM THE CENTERLINE OF CONSTRUCTION TO THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
  20. RADII, DIMENSIONS AND ELEVATIONS ARE TO THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
  21. PROPOSED GRADES SHOWN ARE FINISH GRADES.
  22. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF EXISTING LANDSCAPING AND IRRIGATION SYSTEMS LOCATED ON PRIVATE PROPERTY. REPAIR OR REPLACEMENT OF SYSTEMS DAMAGE BY THE CONTRACTOR SHALL BE MADE AT THE EXPENSE OF THE CONTRACTOR.
  23. THE CONTRACTOR AND OR HIS SUBCONTRACTORS SHALL BE IN COMPLIANCE WITH CURRENT OSHA, STATE, COUNTY AND LOCAL REGULATIONS, WHICH INCLUDE BUT ARE NOT LIMITED TO 54 CFR 45894 AND 29 CFR 1926.650 & 651 AND THE FLORIDA TRENCH SAFETY ACT.
  24. CONTRACTOR SHALL OBTAIN A DEWATERING GENERAL WATER USE PERMIT FROM THE SOUTH FLORIDA WATER MANAGEMENT DISTRICT PRIOR TO COMMENCING DEWATERING UNLESS THE WORK QUALIFIES FOR A 'NO-NOTICE' AUTHORIZATION AS DESCRIBED IN RULE 40E-20.302(3) OF THE FLORIDA ADMINISTRATIVE CODE AND APPROVE SET OF CONSTRUCTION PLANS AND CONTRACT DOCUMENTS SHALL BE MAINTAINED BY THE CONTRACTOR ON SITE AT ALL TIMES DURING CONSTRUCTION OPERATIONS.
  25. SALVAGE MATERIAL
    - 25.1. ALL SALVAGEABLE MATERIAL AND EQUIPMENT REMOVED FROM THE EXISTING CONSTRUCTION FOR WHICH SPECIFIC USE, RELOCATION OR OTHER DISPOSAL IS NOT SPECIFICALLY NOTED ON THE DRAWINGS OR OTHERWISE SPECIFIED, SHALL REMAIN THE PROPERTY OF THE OWNER AND SHALL BE TURNED OVER TO HIM. ALL MATERIAL AND EQUIPMENT NOT IN SALVAGEABLE CONDITION AS DETERMINED BY THE ENGINEER, SHALL BE DISPOSED OF BY THE CONTRACTOR IN A LEGAL MANNER AT THE CONTRACTOR'S EXPENSE. THE ACTUAL STORAGE SITE FOR SALVAGEABLE MATERIAL WILL BE DESIGNATED BY THE OWNER.
  26. CLEANING
    - 26.1. DURING CONSTRUCTION OF THE WORK, THE CONTRACTOR SHALL, AT ALL TIMES, KEEP THE SITE OF THE WORK AND ADJACENT PREMISES AS FREE FROM MATERIAL, DEBRIS AND RUBBISH AS IS PRACTICABLE AND SHALL REMOVE THE SAME FROM ANY PORTION OF THE SITE IF, IN THE OPINION OF THE ENGINEER, SUCH MATERIAL, DEBRIS, OR RUBBISH CONSTITUTES A NUISANCE OR IS OBJECTIONABLE.
    - 26.2. AT THE CONCLUSION OF THE WORK, ALL TOOLS, TEMPORARY STRUCTURES AND MATERIALS BELONGING TO THE CONTRACTOR SHALL BE PROMPTLY TAKEN AWAY AND CONTRACTOR SHALL REMOVE AND PROMPTLY DISPOSE OF ALL RUBBISH OR ANY OTHER FOREIGN MATERIALS. THE CONTRACTOR SHALL THOROUGHLY CLEAN ALL MATERIAL INSTALLED AND SHALL DELIVER SUCH MATERIALS UNDAMAGED IN A CLEAN AND NEW CONDITION.
  27. ALL PAVEMENT STRIPING SHALL BE THERMOPLASTIC.
  28. ALL AREAS DISTURBED BY CONSTRUCTION SHALL BE RESTORED TO THE ORIGINAL CONDITION.
  29. CONTRACTOR SHALL REPAIR ALL IRRIGATION DAMAGED DURING CONSTRUCTION. CONTRACTOR RESPONSIBLE FOR OBTAINING AND KEEPING ON SITE ALL REQUIRED PERMITS.
  30. ALL PEDESTRIAN ROUTES SHALL MEET THE REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT. CROSS SLOPES SHALL NOT EXCEED 2% AND LONGITUDINAL SLOPES SHALL NOT EXCEED 5%.
  31. ALL UTILITY CONFLICTS ENCOUNTERED SHALL BE COORDINATED WITH ENGINEER, ITD AND APPROPRIATE UTILITY COMPANY.
  32. ALL DISTURBED AREAS SHALL BE RE-SOODED. BAHIA SOD TO BE USED IN UN-IRRIGATED AREAS UNLESS OTHERWISE NOTED.
  33. CURB RAMPS SHALL BE PER INDEX NO. 304 OF THE FDOT DESIGN STANDARDS.
  34. ATTENTION TO THE FACT THAT THE MAJORITY OF THE WORK WILL BE PERFORMED UNDER EXISTING OVERHEAD POWER LINES SHOULD BE NOTED.
  35. CONTRACTOR TO BACKFILL DROP-OFFS AT THE END OF EACH SHIFT IN ACCORDANCE WITH 4:1 TRANSITION DETAIL IN FDOT INDEX 600.
  36. WORK ONLY ALLOWED FROM 7AM - 5PM MONDAY - FRIDAY EXCLUDING WELLINGTON AND STATE OBSERVED HOLIDAYS
  37. ALL STEEL OR IRON INCORPORATED INTO THE PROJECT SHALL MEET THE BUY AMERICA PROVISION 23 CFR 635.41.

- PAVING:**
1. IMMEDIATELY CEASE TRANSPORTATION OF ASPHALT MIXTURES FROM THE PLANT WHEN RAIN BEGINS AT THE ROADWAY. DO NOT PLACE ASPHALT MIXTURES WHILE RAIN IS FALLING, OR WHEN THERE IS WATER ON THE SURFACE TO BE COVERED.
  2. PRODUCE A FINISHED SURFACE OF UNIFORM TEXTURE AND COMPACTION WITH NO PULLED, TORN, OR LOOSENED PORTIONS AND FREE OF SEGREGATION, AND STREAKS, SAND SPOTS, OR RIPPLES.
  3. ENGINEER WILL DETERMINE PAVEMENT THICKNESS FROM THE DEPTH OF CORE BORINGS. THE MAXIMUM ALLOWABLE DEFICIENCY IN THICKNESS FOR PAVEMENT OF A SPECIFIED THICKNESS OF 2 1/2 INCHES OR MORE IS 1/2 INCH. FOR PAVEMENT OF A SPECIFIED THICKNESS OF LESS THAN 2 1/2 INCHES IS 1/4 INCH.
  4. IMMEDIATELY AFTER PLACEMENT, PROTECT PAVEMENT FROM MECHANICAL INJURY FOR AS LONG AS REQUIRED UNTIL ACCEPTED BY ENGINEER.
- ENVIRONMENTAL:**
1. PER CHAPTER 62-770, F.A.C., IF ANY HAZARDOUS MATERIAL IS FOUND ON THE PROJECT SITE, IT SHALL BE IMMEDIATELY REPORTED TO THE PROJECT MANAGER OR ENGINEER. A REGULATORY AUTHORITY WILL BE CONTACTED IMMEDIATELY ALONG WITH IMMEDIATE RESTRICTION TO THE PROJECT SITE. THE CONTRACTOR WILL THEN FOLLOW ORDERS GIVEN BY THE AUTHORITY IN AN INVESTIGATION AND/OR REMOVAL OF THE MATERIAL. THE CONTRACTOR IS RESTRICTED FROM RETURNING TO THE PROJECT SITE UNLESS AUTHORIZED TO DO SO.
  2. THE CONTRACTOR IS NOT PERMITTED TO TRANSPORT ANY HAZARDOUS MATERIAL ONTO THE PROJECT SITE AT ANYTIME UNLESS AUTHORIZED TO DO SO. IF THE CONTRACTOR WISHES TO TRANSPORT MATERIALS ONSITE TO PERFORM THE CONTRACTED WORK, THE CONTRACTOR MUST GET PERMISSION IN WRITING FROM THE PROJECT MANAGER. THE CONTRACTOR WILL THEN PROVIDE A COPY OF THE MATERIAL SAFETY DATA SHEETS (MSDS) FOR EACH HAZARDOUS MATERIAL NEEDED TO CONTINUE THE PROPOSED WORK. A DESCRIPTION OF THE REASON OF USE MUST BE GIVEN ALONG WITH THE MSDS. THE PROJECT ENGINEER WILL REPORT TO MR. BILL RIEBE, P.E., UTILITY DIRECTOR/VILLAGE ENGINEER WITH THE VILLAGE OF WELLINGTON BEFORE ISSUING A WRITTEN APPROVAL TO THE CONTRACTOR. STATE LAW DOES NOT CONSIDER PETROLEUM PRODUCTS THAT ARE PROPERLY CONTAINERIZED AS HAZARDOUS MATERIALS. THEREFORE, THESE PRODUCTS DO NOT REQUIRE A MSDS SUBMITTAL. ALL BULK PETROLEUM PRODUCTS STORED ON SITE SHALL REQUIRE PROPER STORAGE AREAS WITH SECONDARY CONTAINMENT.
  3. "THE CONTRACTOR SHALL COORDINATE SELECTION AND REVIEW OF ANY PROPOSED STAGING AREAS ASSOCIATED WITH THIS PROJECT WITH JONATHAN REINSVOLD, P.E. 561-791-4052 AT THE VILLAGE OF WELLINGTON. NO STAGING OF EQUIPMENT/VEHICLES WILL BE ALLOWED IN OR NEAR THE SFWMD STORMWATER MANAGEMENT AREAS AND THE WELLINGTON ENVIRONMENTAL PRESERVE."
- HARDSCAPE:**
1. BENCHES TO BE DuMor INC. SERIES 58 OR EQUIVALENT. MINIMUM LENGTH 6FT.
  2. TRASH RECEPTACLES TO BE TO BE DuMor INC. RECEPTACLE 157-22-FTO OR EQUIVALENT.
  3. BIKE RACKS TO BE DuMor INC. SERIES 125-30 OR EQUIVALENT.

REVISIONS	DATE	BY	REMARKS
1	4/20/15	JRR	ADD CONSTRUCTABILITY SUBMITTAL
2	11/17/14	JRR	ADD CONSTRUCTABILITY SUBMITTAL
3	10/07/14	JRR	ADD CONSTRUCTABILITY SUBMITTAL
4	08/08/14	JRR	ADD CONSTRUCTABILITY SUBMITTAL
5	02/28/14	JRR	PRELIMINARY DESIGN SUBMITTAL
	NOI DATE		

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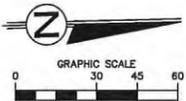
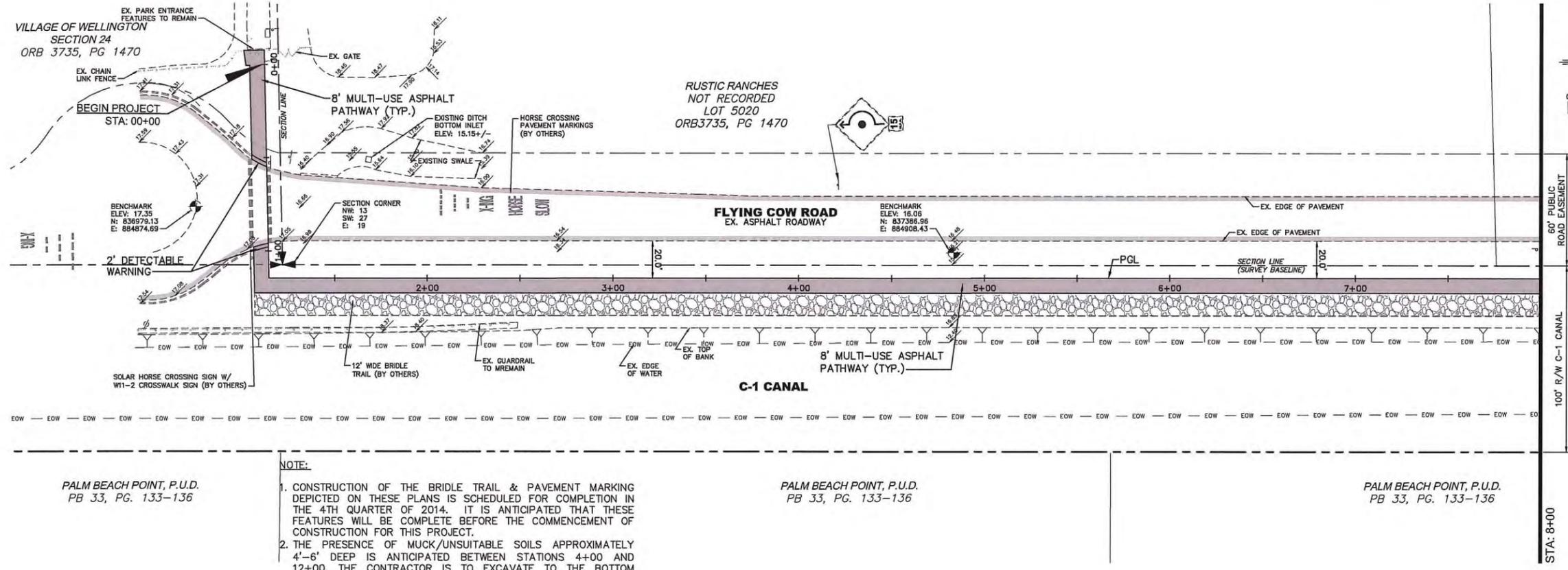
WILLIAM RIEBE, P.E.  
FLORIDA LICENSE NO. 49997

**TYPICAL DETAILS AND NOTES FOR WELLINGTON ENVIRONMENTAL PRESERVE GREENWAY PROJECT**

THE VILLAGE OF WELLINGTON  
Engineering Department  
12300 Forest Hill Boulevard, Wellington, Florida 33414

DATE	02 / 2014
DRAWN	JRR
PROJECT ENGINEER	JRR
PROPOSED BY	JRR
CHECKED	WJR

JOB NO. LAP-433196-1



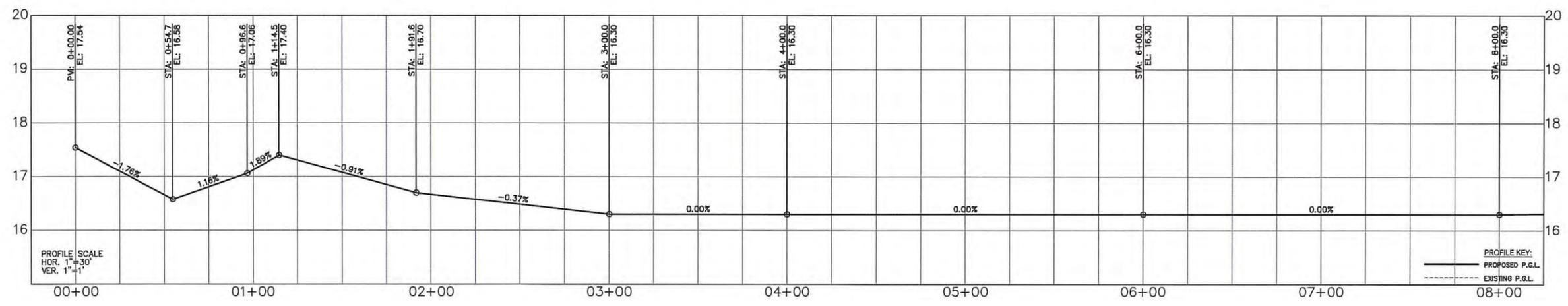
PALM BEACH POINT, P.U.D.  
PB 33, PG. 133-136

**NOTE:**

- CONSTRUCTION OF THE BRIDLE TRAIL & PAVEMENT MARKING DEPICTED ON THESE PLANS IS SCHEDULED FOR COMPLETION IN THE 4TH QUARTER OF 2014. IT IS ANTICIPATED THAT THESE FEATURES WILL BE COMPLETE BEFORE THE COMMENCEMENT OF CONSTRUCTION FOR THIS PROJECT.
- THE PRESENCE OF MUCK/UNSUITABLE SOILS APPROXIMATELY 4'-6" DEEP IS ANTICIPATED BETWEEN STATIONS 4+00 AND 12+00. THE CONTRACTOR IS TO EXCAVATE TO THE BOTTOM LIMIT OF THE MATERIAL, REUSE SUITABLE FILL, AND REPLACE THE REMAINDER WITH SUITABLE FILL.

PALM BEACH POINT, P.U.D.  
PB 33, PG. 133-136

PALM BEACH POINT, P.U.D.  
PB 33, PG. 133-136



NO.	DATE	REVISIONS
1	11/17/14	100% CONSTRUCTABILITY SUBMITTAL
2	10/07/14	80% CONSTRUCTABILITY SUBMITTAL
3	10/07/14	60% CONSTRUCTABILITY SUBMITTAL
4	08/29/14	PRELIMINARY DESIGN SUBMITTAL
5		REMARKS

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*William W. Reese, P.E.*  
WILLIAM W. REESE, P.E.  
FLORIDA LICENSE NO. 46387

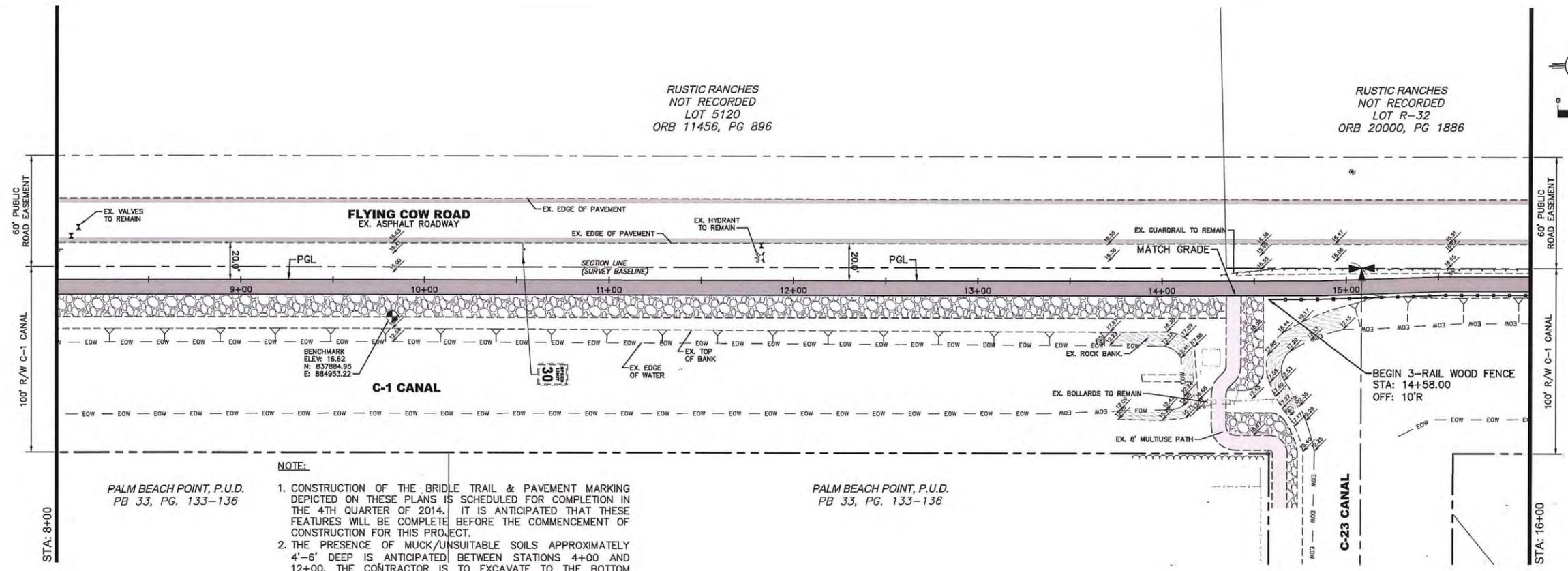
PLAN AND PROFILE FOR  
WELLINGTON ENVIRONMENTAL PRESERVE  
GREENWAY PROJECT



DATE	DRAWN	PROJECT ENGINEER	PROJECT MANAGER	CHECKED
02 / 2014	JRR	JRR	JRR	WJR

C.3

JOB NO.  
LAP-433196-1

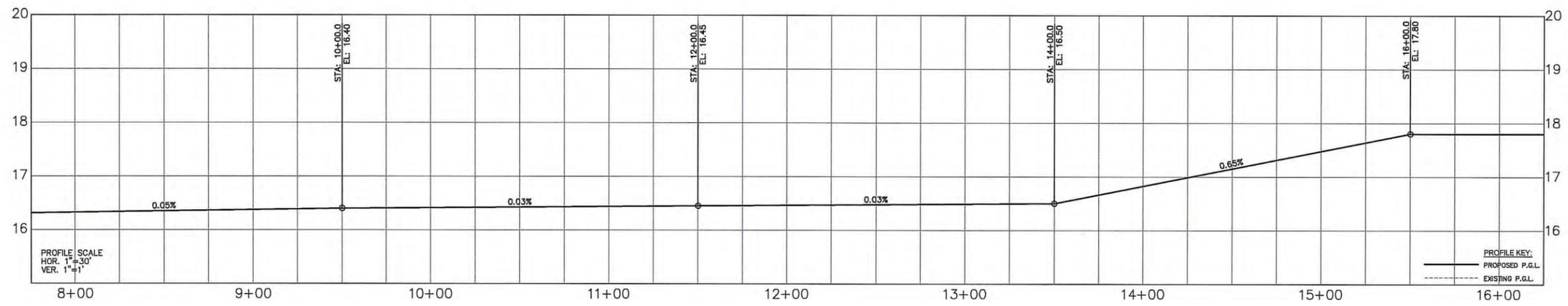
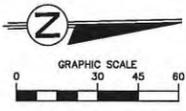


**NOTE:**

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PALM BEACH POINT, P.U.D.  
PB 33, PG. 133-136

PALM BEACH POINT, P.U.D.  
PB 33, PG. 133-136



NO.	DATE	REVISIONS
1	11/17/14	100% CONSTRUCTABILITY SUBMITTAL
2	11/17/14	100% CONSTRUCTABILITY SUBMITTAL
3	10/07/14	100% CONSTRUCTABILITY SUBMITTAL
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100	10/07/14	100% CONSTRUCTABILITY SUBMITTAL

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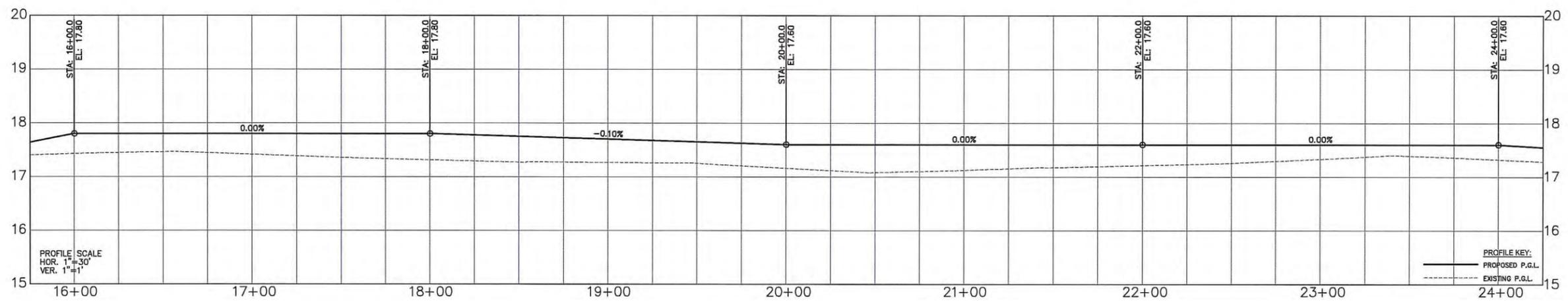
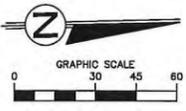
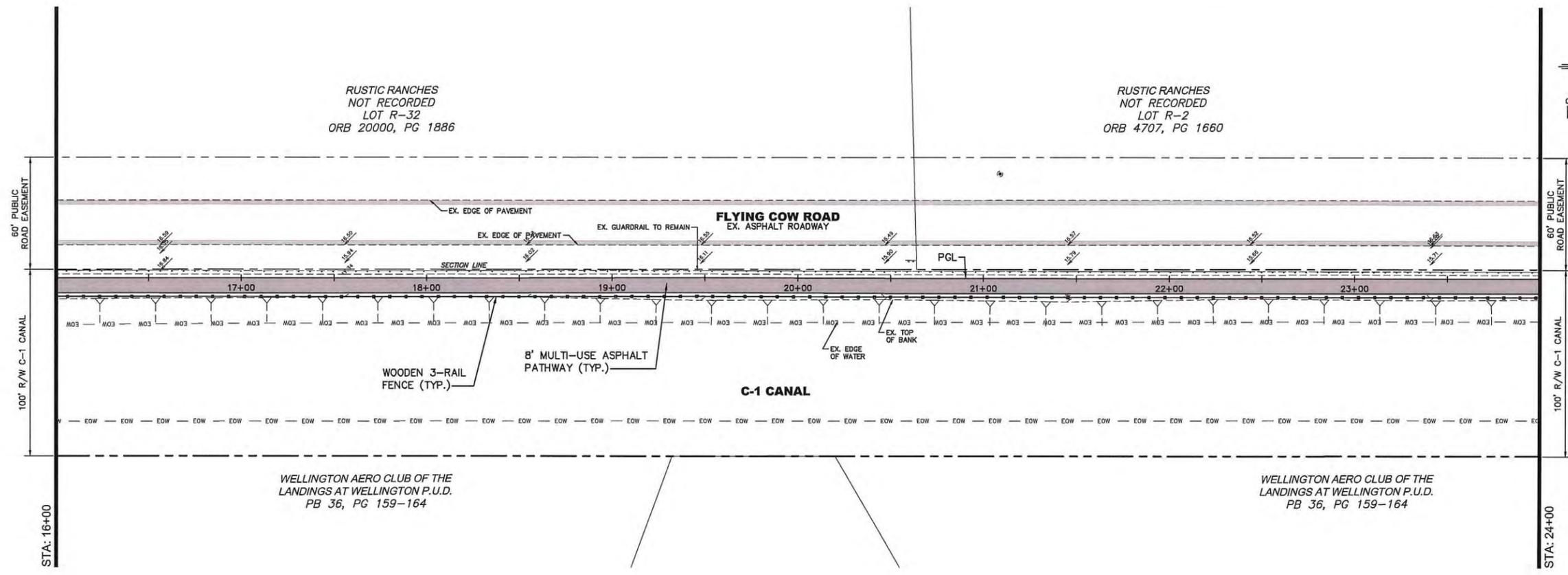
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FLORIDA LICENSE NO. 16257

**PLAN AND PROFILE FOR WELLINGTON ENVIRONMENTAL PRESERVE GREENWAY PROJECT**



DATE	DRAWN	PROJECT ENGINEER	CHECKED
02 / 2014	JRR	JRR	JRR
			WJR

JOB NO. LAP-433196-1

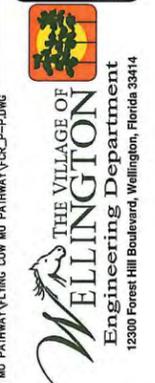


NO.	DATE	REVISIONS
1	11/17/14	100% CONSTRUCTABILITY SUBMITTAL
2	10/27/14	80% CONSTRUCTABILITY SUBMITTAL
3	10/27/14	60% CONSTRUCTABILITY SUBMITTAL
4	10/27/14	PRELIMINARY DESIGN SUBMITTAL
5		REMARKS

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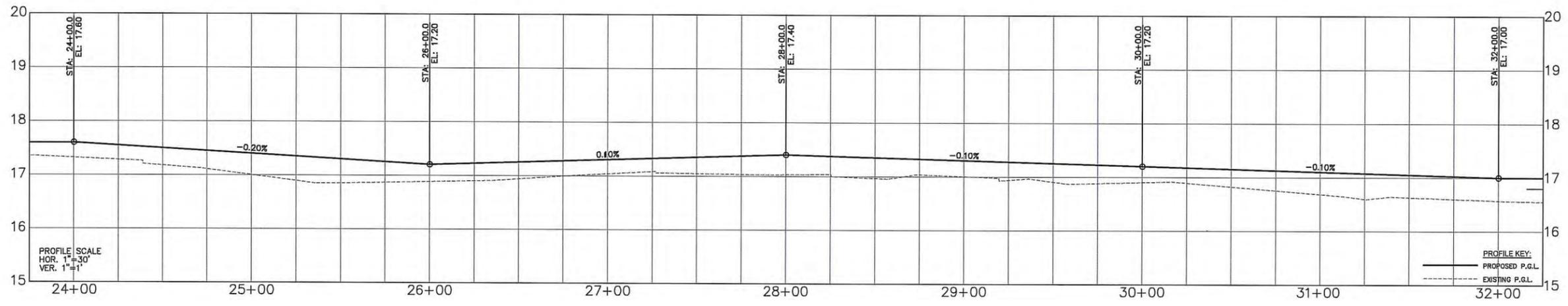
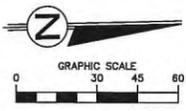
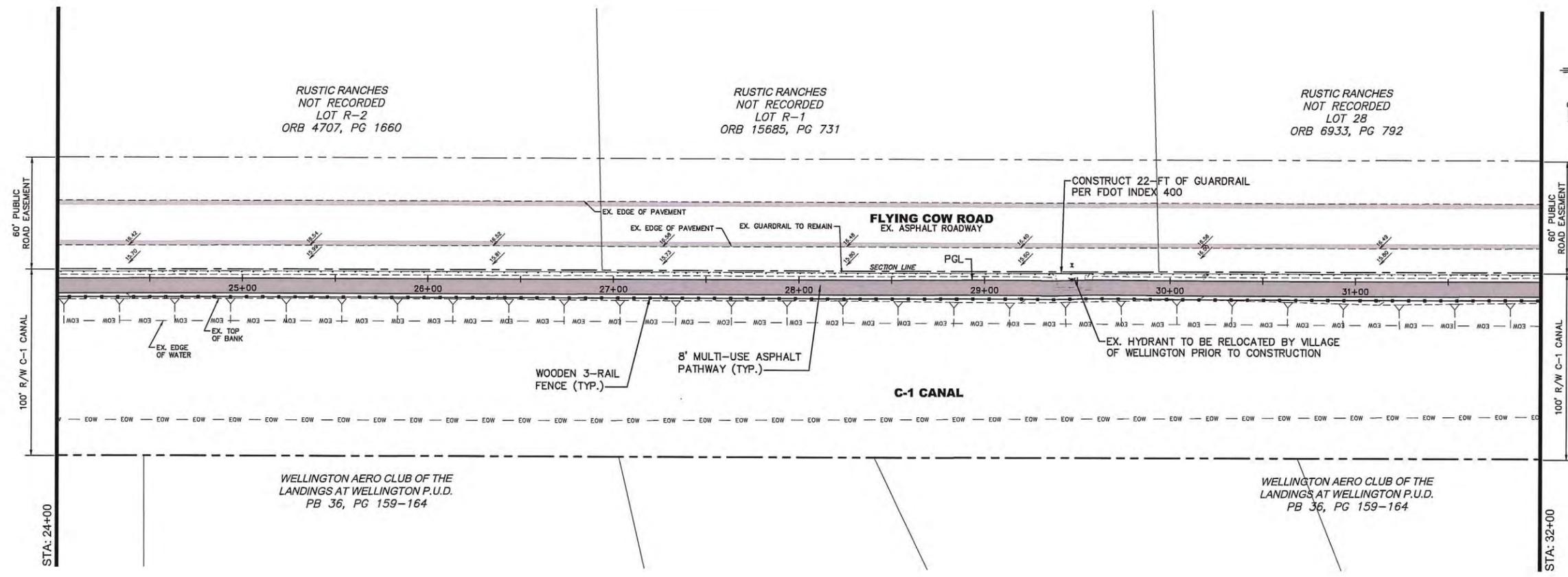
*William Kiese*  
WILLIAM KIESE, P.E.  
FLORIDA LICENSE NO. 48392

PLAN AND PROFILE FOR  
WELLINGTON ENVIRONMENTAL PRESERVE  
GREENWAY PROJECT



DATE	DRAWN	PROJECT ENGINEER	CHECKED
02 / 2014	JRR	JRR	JRR
			WJR

JOB NO.  
LAP-433196-1



NO.	DATE	REVISIONS
1	11/7/14	100% CONSTRUCTABILITY SUBMITTAL
2	10/27/14	80% CONSTRUCTABILITY SUBMITTAL
3	10/27/14	50% CONSTRUCTABILITY SUBMITTAL
4	09/29/14	PRELIMINARY DESIGN SUBMITTAL
		DATE

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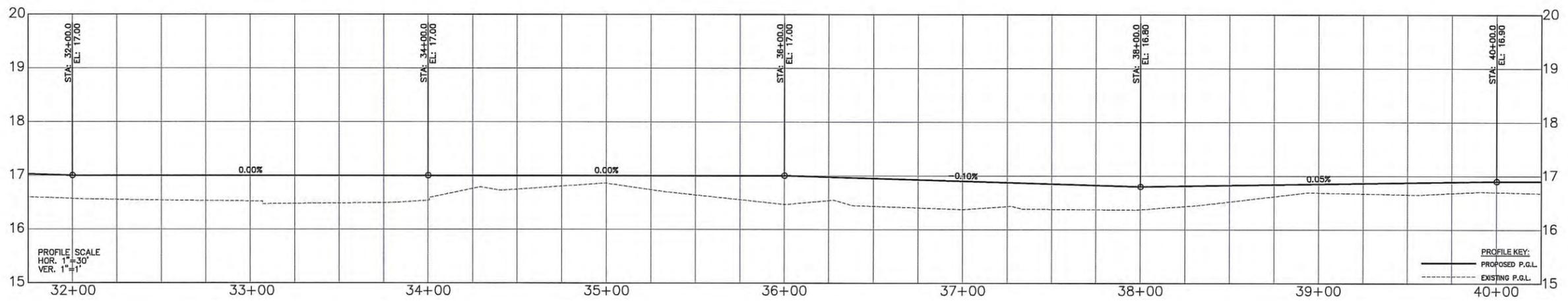
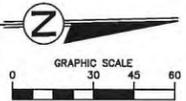
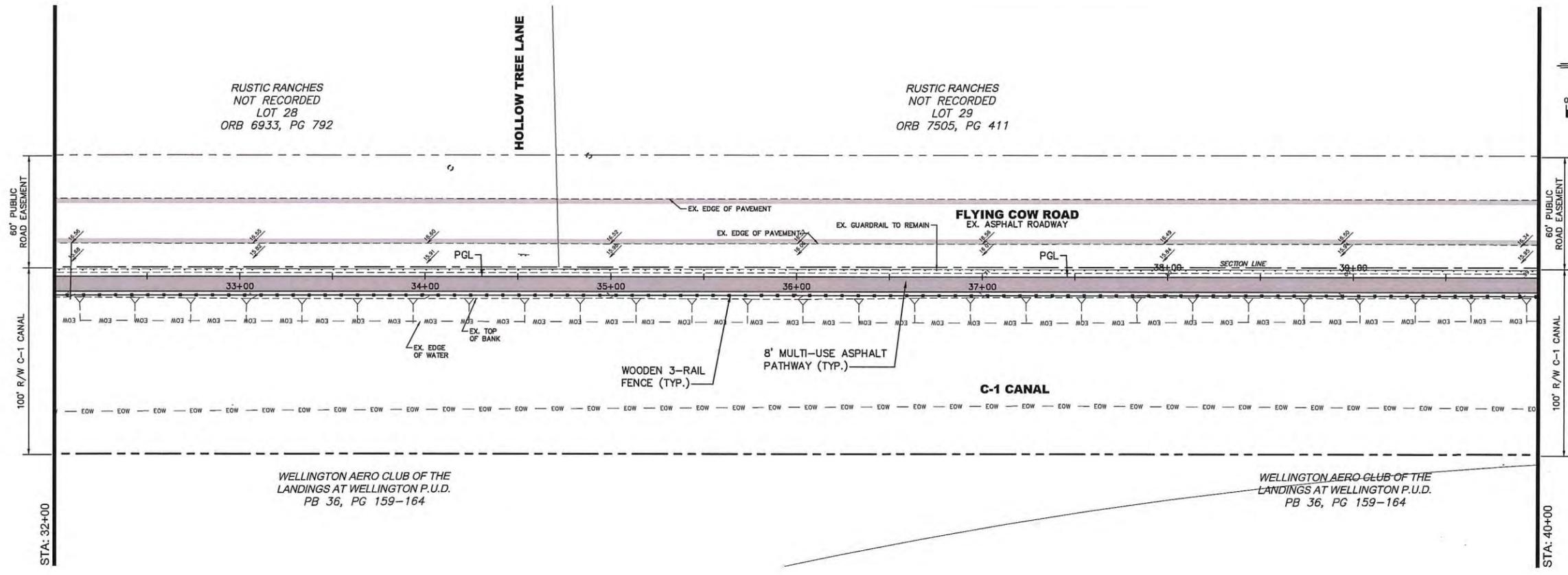
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PLAN AND PROFILE FOR  
WELLINGTON ENVIRONMENTAL PRESERVE  
GREENWAY PROJECT



DATE	DRAWN	PROJECT ENGINEER	PROJECT MANAGER	CHECKED
02 / 2014	JRR	JRR	JRR	WJR

JOB NO.  
LAP-433196-1



NO.	DATE	REVISIONS	REMARKS
1		11/17/14 100% CONSTRUCTABILITY SUBMITTAL	JRR
2		10/07/14 100% CONSTRUCTABILITY SUBMITTAL	JRR
3		08/14/14 100% CONSTRUCTABILITY SUBMITTAL	JRR
4		07/24/14 PRELIMINARY DESIGN SUBMITTAL	JRR
5		06/10/14 PRELIMINARY DESIGN SUBMITTAL	JRR

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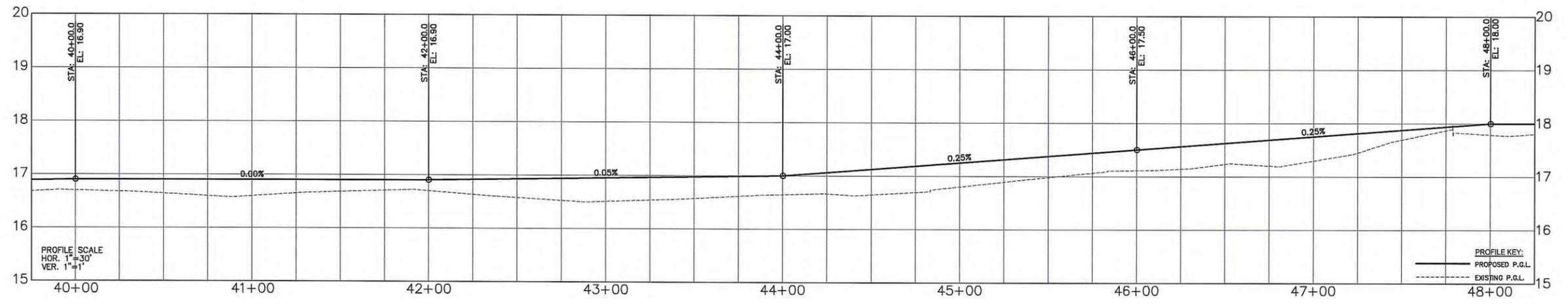
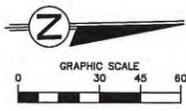
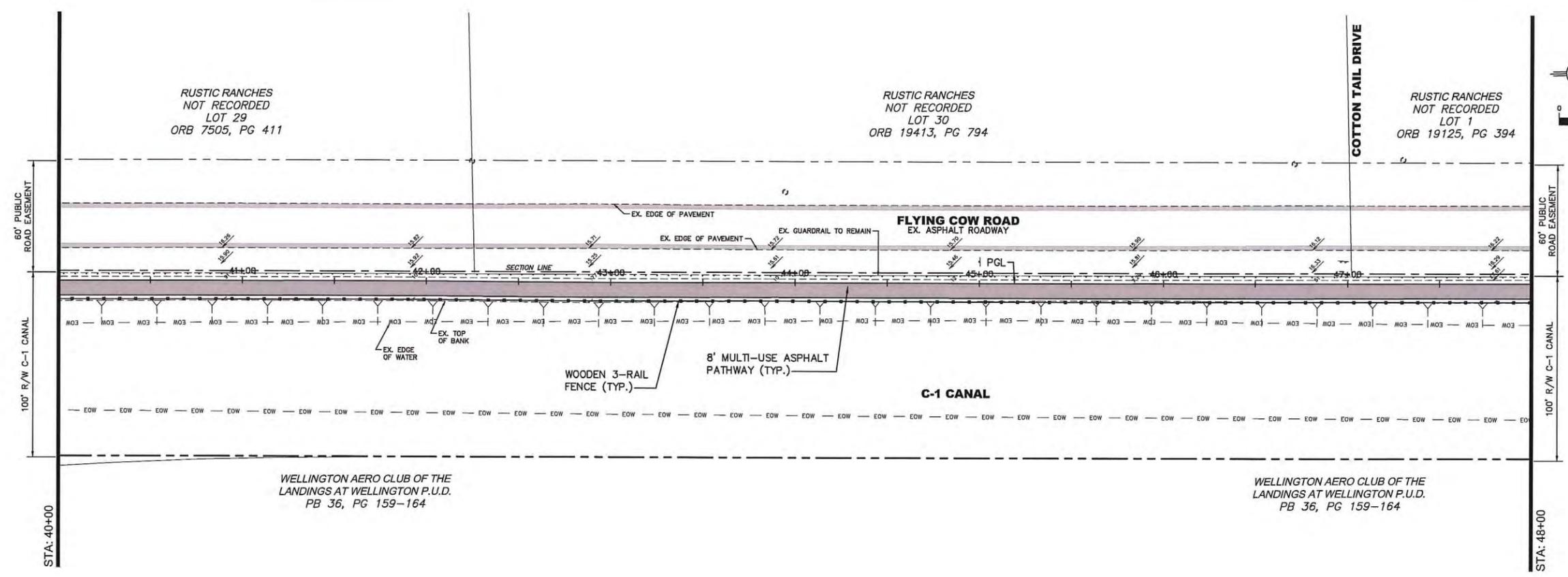
*[Signature]*  
 WILLIAM REBE, P.E.  
 PROFESSIONAL ENGINEER  
 No. 48597

PLAN AND PROFILE FOR  
 WELLINGTON ENVIRONMENTAL PRESERVE  
 GREENWAY PROJECT



DATE	DRAWN	PROJECT ENGINEER	PROJECT MANAGER	CHECKED
02 / 2014	JRR	JRR	JRR	WJR

JOB NO. LAP-433196-1



NO.	DATE	REVISIONS
1	11/17/14	100% CONSTRUCTABILITY SUBMITTAL
2	10/07/14	80% CONSTRUCTABILITY SUBMITTAL
3	09/29/14	60% CONSTRUCTABILITY SUBMITTAL
4	08/29/14	PRELIMINARY DESIGN SUBMITTAL
		REMARKS
		BY

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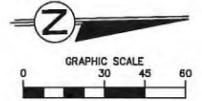
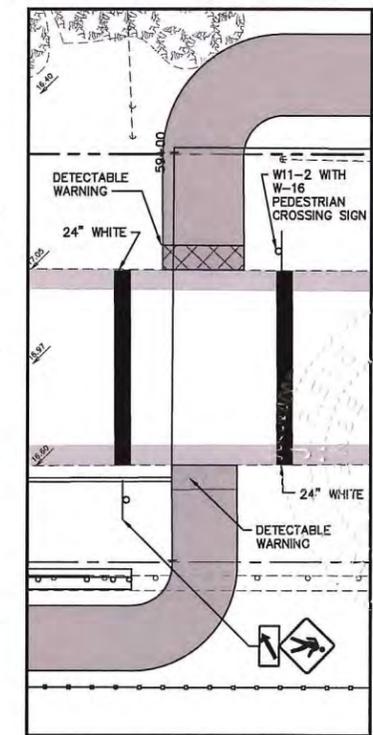
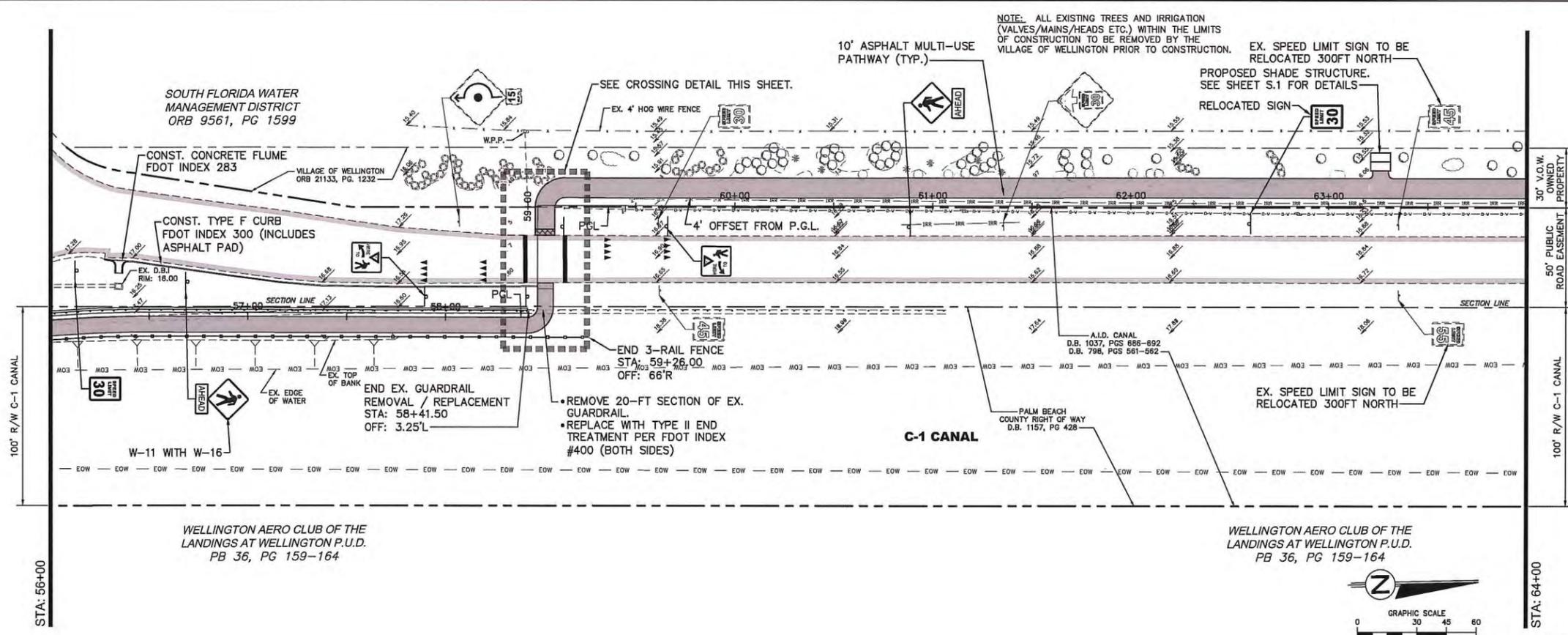
PLAN AND PROFILE FOR WELLINGTON ENVIRONMENTAL PRESERVE GREENWAY PROJECT



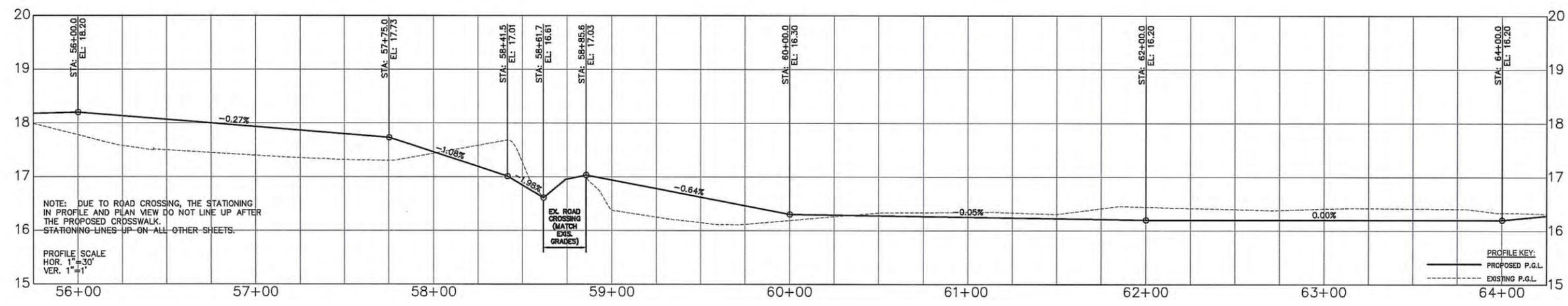
DATE	DRAWN	PROJECT ENGINEER	CHECKED
02 / 2014	JRR	JRR	JRR
			WJR

C.8  
JOB NO. LAP-433196-1





NOTE: PEDESTRIAN RAMPS NOT TO EXCEED 2% IN ANY DIRECTION. PATHWAYS NOT TO EXCEED 5% LONGITUDINALLY AND 2% CROSS-SLOPE



NO.	DATE	REVISIONS
1	02/20/14	CONSTRUCTABILITY SUBMITTAL
2	02/27/14	CONSTRUCTABILITY RESUBMITTAL
3	03/07/14	CONSTRUCTABILITY RESUBMITTAL
4	03/20/14	CONSTRUCTABILITY RESUBMITTAL
5	03/27/14	PRELIMINARY DESIGN SUBMITTAL
6	04/01/14	REVISIONS

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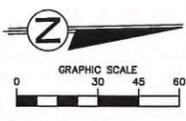
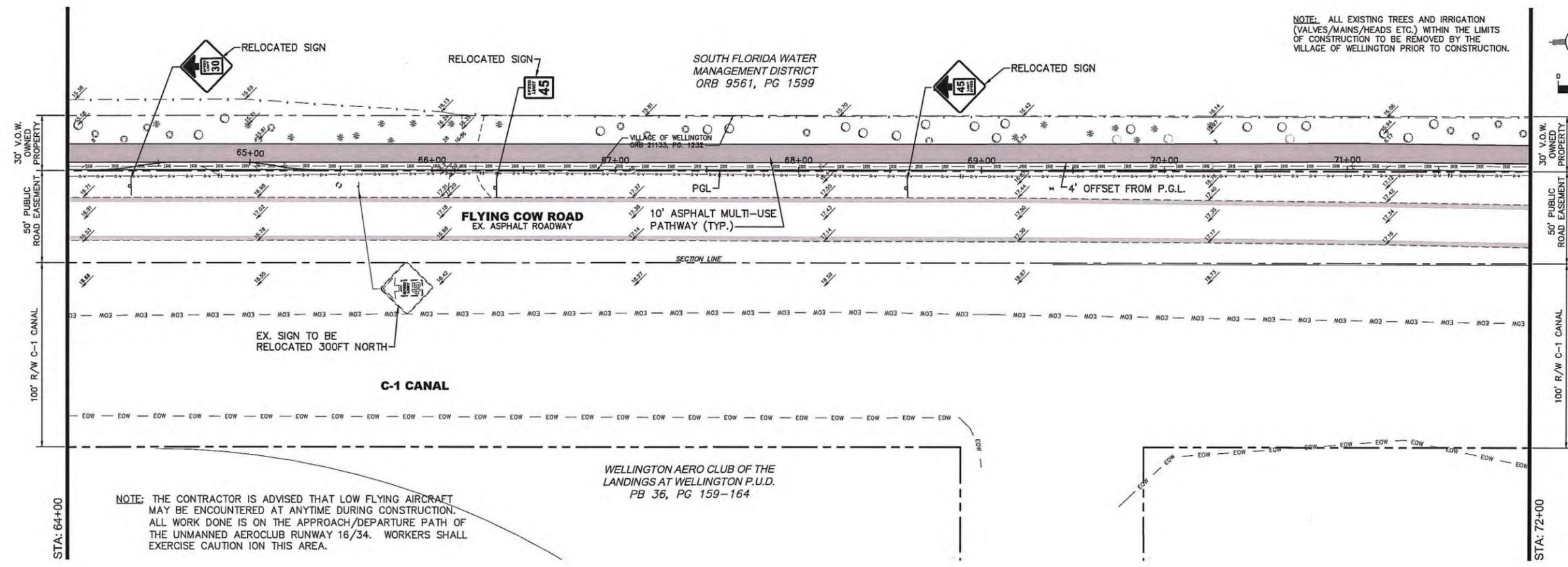
WILLIAM REBE, P.E.  
FLORIDA LICENSE NO. 10337

PLAN AND PROFILE FOR  
WELLINGTON ENVIRONMENTAL PRESERVE  
GREENWAY PROJECT



DATE	DRAWN	PROJECT ENGINEER	PROJECT MANAGER	CHECKED
02 / 2014	JRR	JRR	JRR	WJR

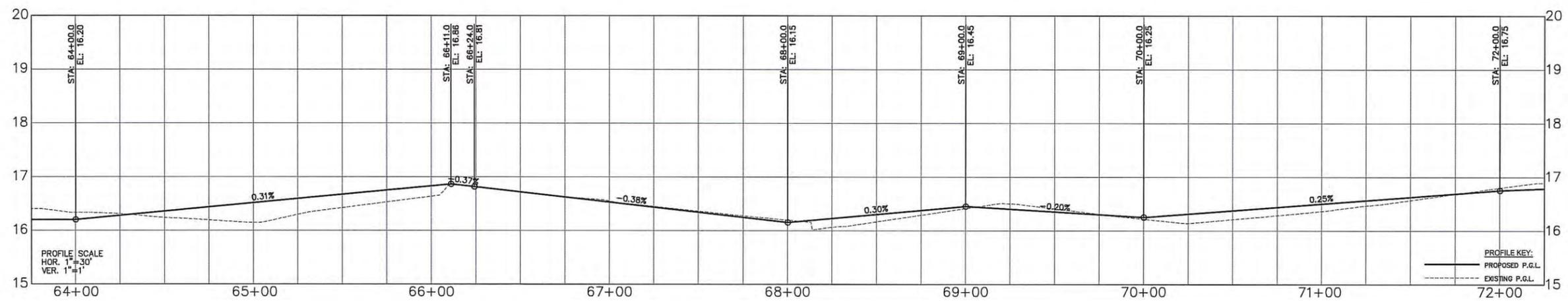
JOB NO.  
LAP-433196-1



NO.	DATE	REVISIONS
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2	10/07/14	80% CONSTRUCTABILITY SUBMITTAL
3	08/29/14	PRELIMINARY DESIGN SUBMITTAL
		NO DATE

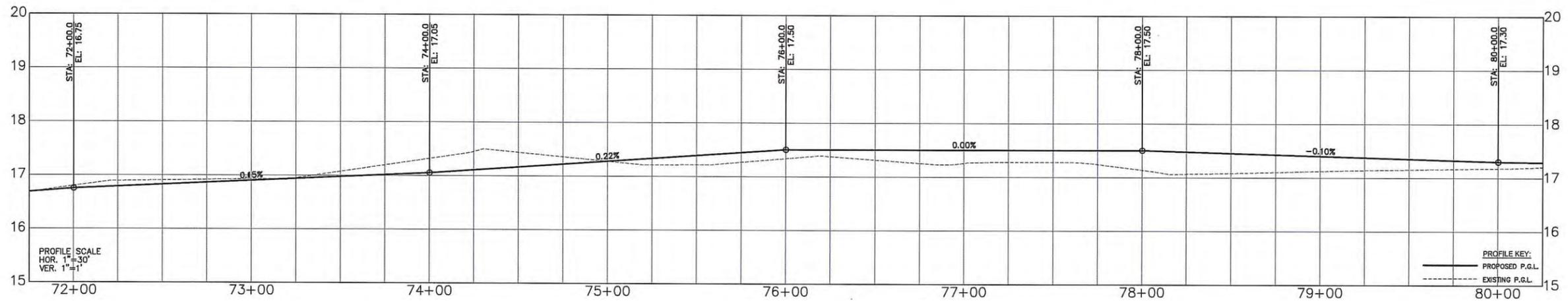
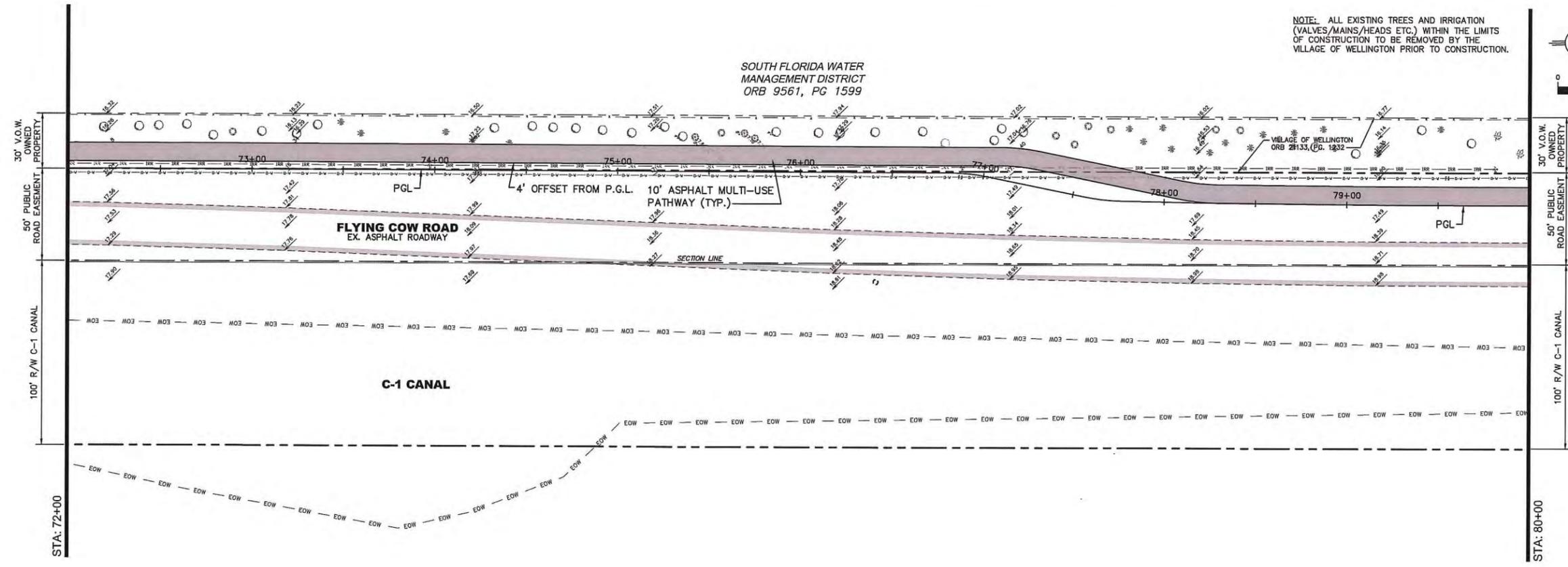
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PLAN AND PROFILE FOR WELLINGTON ENVIRONMENTAL PRESERVE GREENWAY PROJECT



W:\DEPARTMENTS\ENGINEERING\CAD\PROJECTS\FLYING COW MU PATHWAY\FLYING COW MU PATHWAY\CR\_P-DWG

DATE	02 / 2014
DRAWN	JRR
PROJECT ENGINEER	JRR
PROJECT MANAGER	JRR
CHECKED	WJR
TITLE	C.11
JOB NO.	LAP-433196-1



NO.	DATE	REVISIONS
1	11/17/14	100% CONSTRUCTABILITY SUBMITTAL
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3	10/16/14	60% CONSTRUCTABILITY SUBMITTAL
4	07/29/14	PRELIMINARY DESIGN SUBMITTAL
5		NO. DATE

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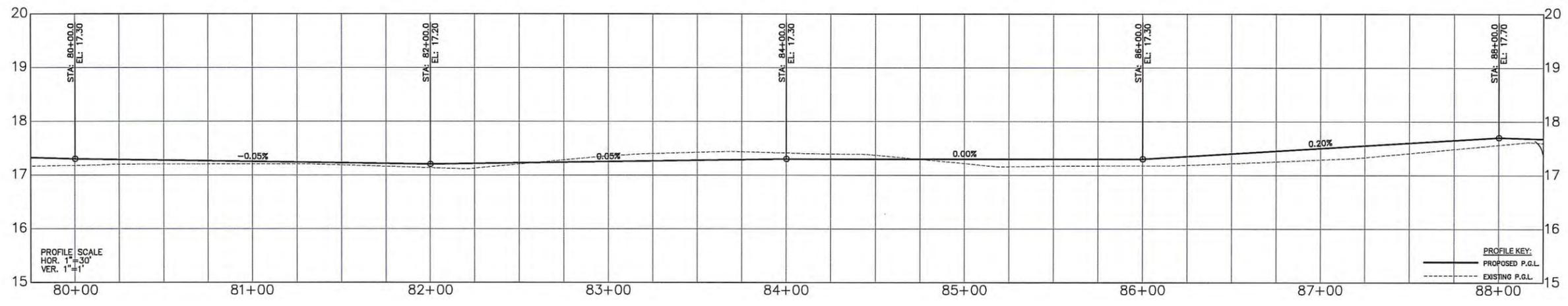
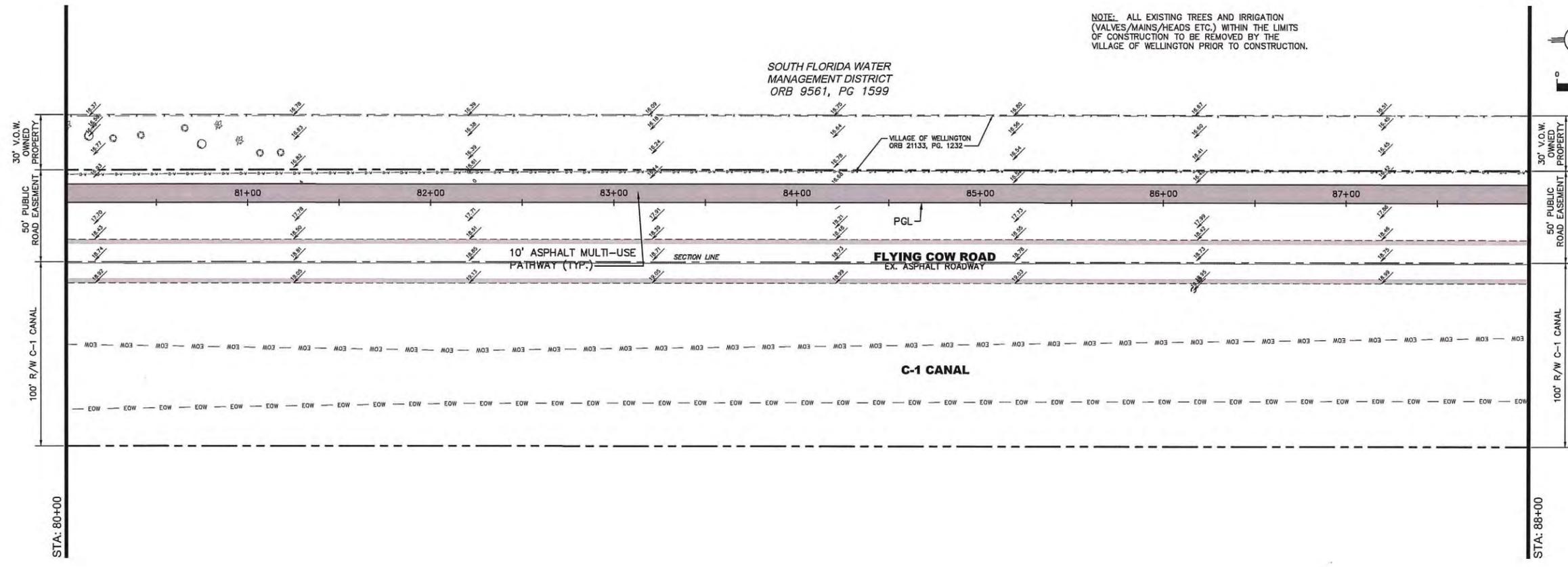
WILLIAM W. WILSON, P.E.  
FLORIDA LICENSE NO. 48297

PLAN AND PROFILE  
FOR  
WELLINGTON ENVIRONMENTAL PRESERVE  
GREENWAY PROJECT



DATE	DRAWN	PROJECT ENGINEER	PROJECT MANAGER	CHECKED
02 / 2014	JRR	JRR	JRR	WJR

JOB NO.  
LAP-433196-1



NO.	DATE	REVISIONS	BY
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2	10/27/14	80% CONSTRUCTABILITY RESUBMITTAL	JRR
3	09/29/14	60% CONSTRUCTABILITY SUBMITTAL	JRR
4	07/29/14	PRELIMINARY DESIGN SUBMITTAL	JRR
5			BT

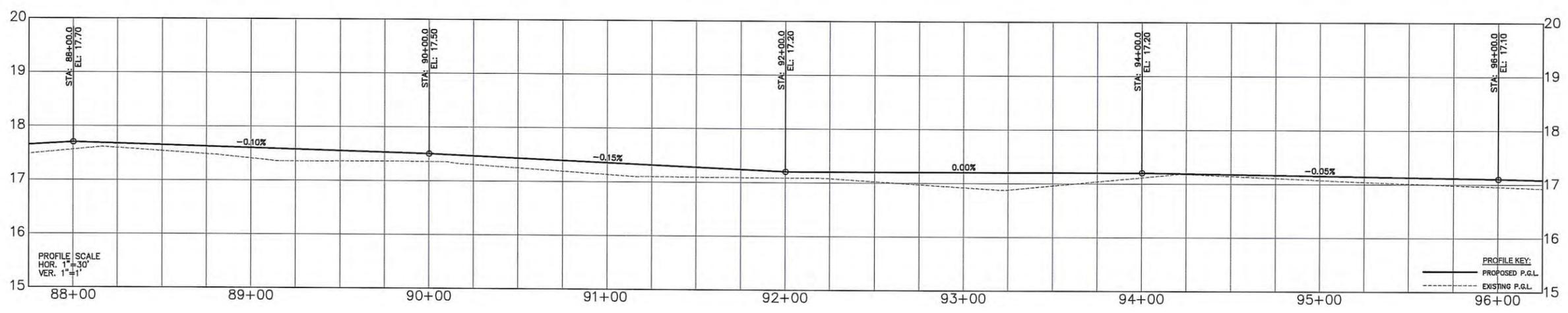
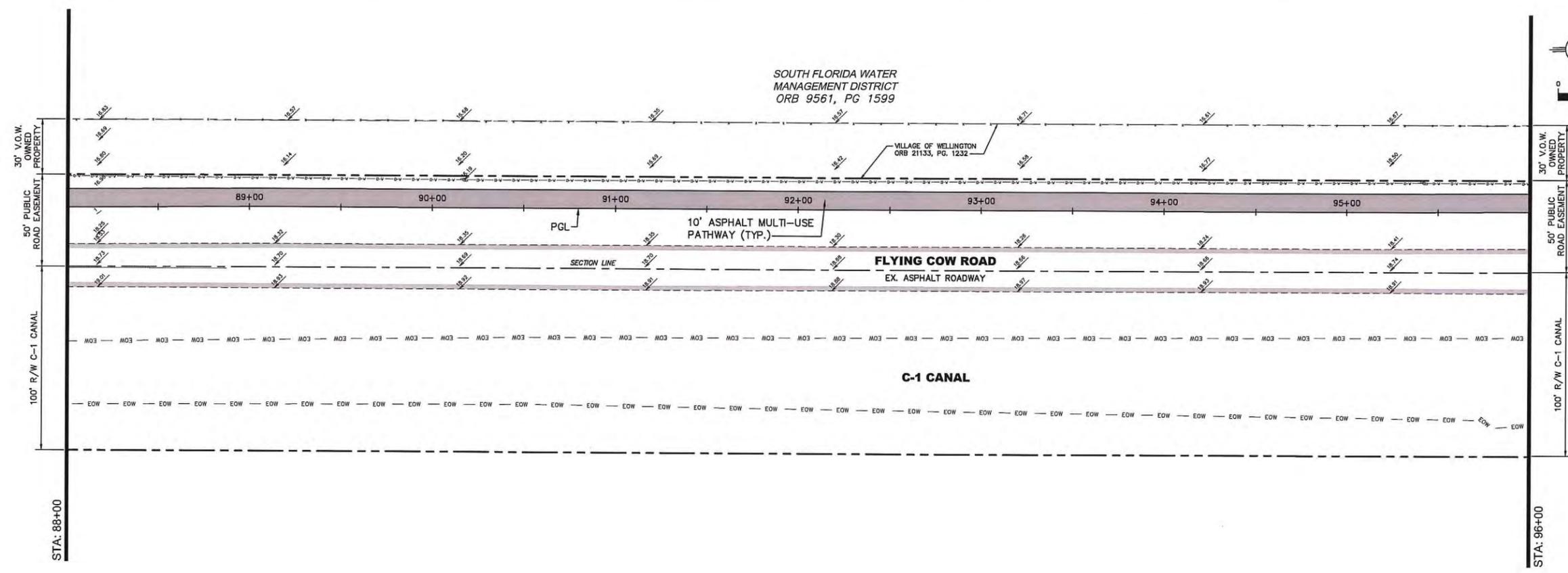
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*[Signature]*  
 WILLIAM REBE, P.E.  
 PROFESSIONAL ENGINEER  
 No. 48597

PLAN AND PROFILE FOR  
 WELLINGTON ENVIRONMENTAL PRESERVE  
 GREENWAY PROJECT



DATE	02 / 2014
DRAWN	JRR
PROJECT ENGINEER	JRR
PROJECT MANAGER	JRR
CHECKED	WJR
JOB NO.	LAP-433196-1
PROJECT NO.	C.13

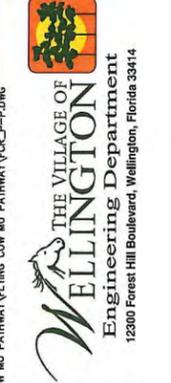


NO.	DATE	REVISIONS
1	11/17/14	DOE CONSTRUCTABILITY SUBMITTAL
2	10/27/14	DOE CONSTRUCTABILITY SUBMITTAL
3	10/27/14	DOE CONSTRUCTABILITY SUBMITTAL
4	10/29/14	PRELIMINARY DESIGN SUBMITTAL
5	10/29/14	PRELIMINARY DESIGN SUBMITTAL
6		REMARKS

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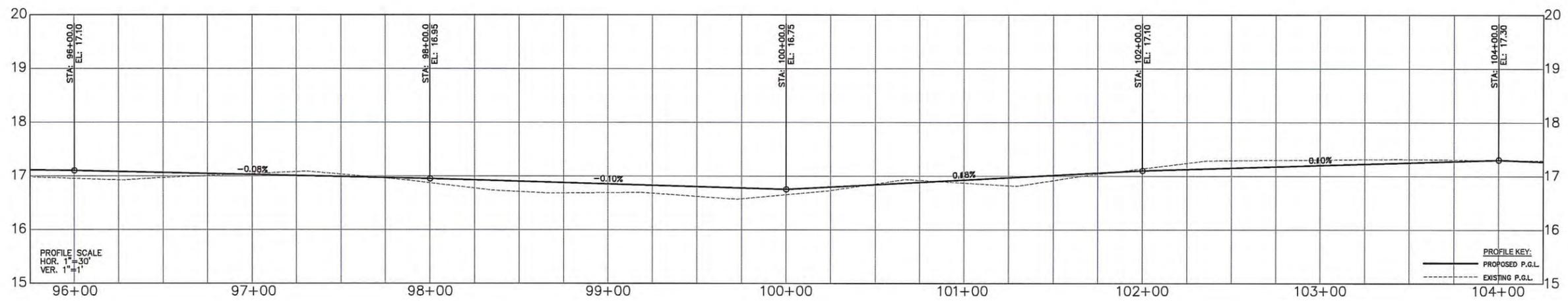
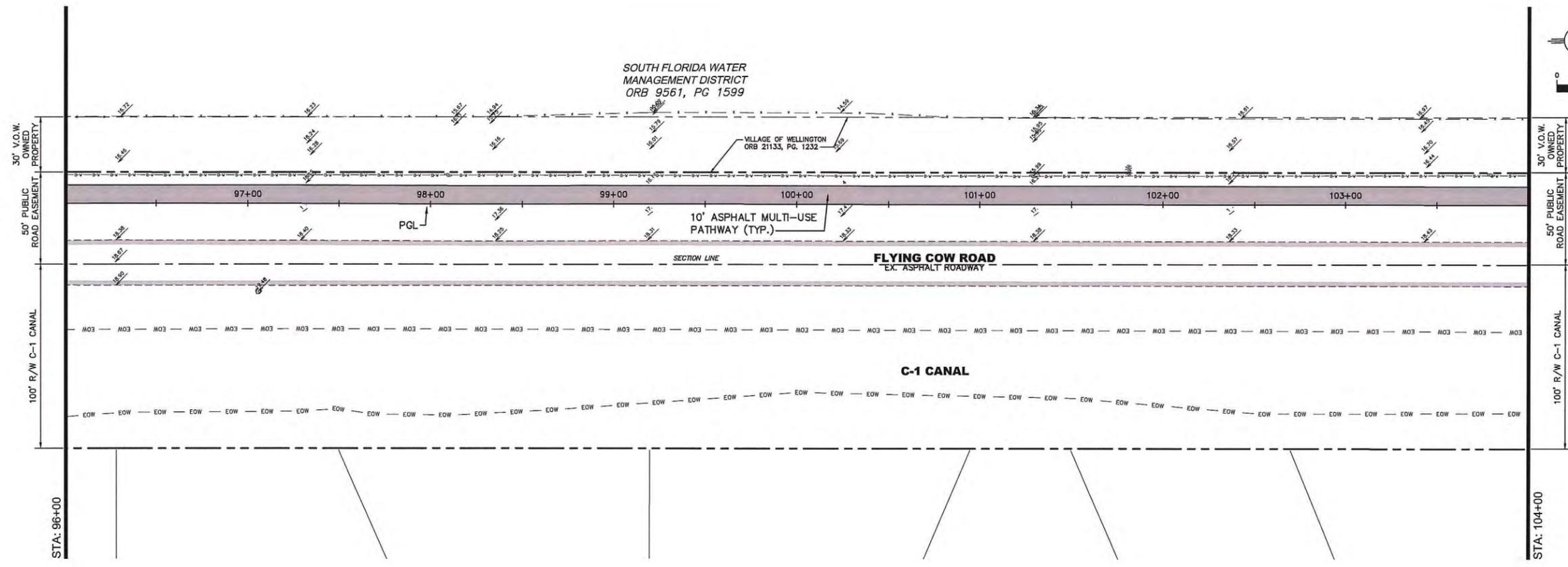
WILLIAM REBE, P.E.  
FLORIDA LICENSE NO. 48297

PLAN AND PROFILE  
FOR  
WELLINGTON ENVIRONMENTAL PRESERVE  
GREENWAY PROJECT



DATE	DRAWN	PROJECT ENGINEER	PROJECT MANAGER	CHECKED
02 / 2014	JRR	JRR	JRR	WJR

JOB NO.  
LAP-433196-1



NO.	DATE	REVISIONS	BY
1	11/17/14	100% CONSTRUCTABILITY SUBMITTAL	JRR
2	10/27/14	80% CONSTRUCTABILITY SUBMITTAL	JRR
3	10/27/14	60% CONSTRUCTABILITY SUBMITTAL	JRR
4	10/27/14	40% CONSTRUCTABILITY SUBMITTAL	JRR
5	10/27/14	PRELIMINARY DESIGN SUBMITTAL	JRR
6			BT

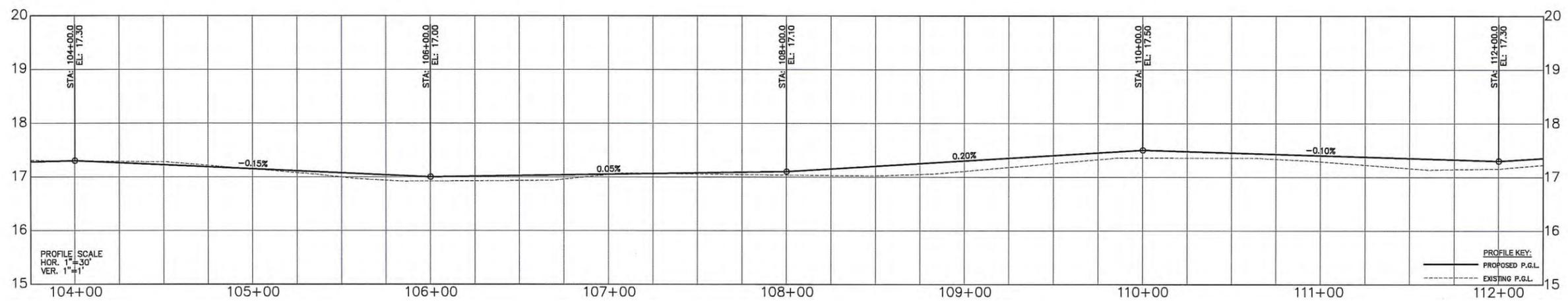
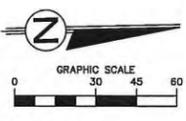
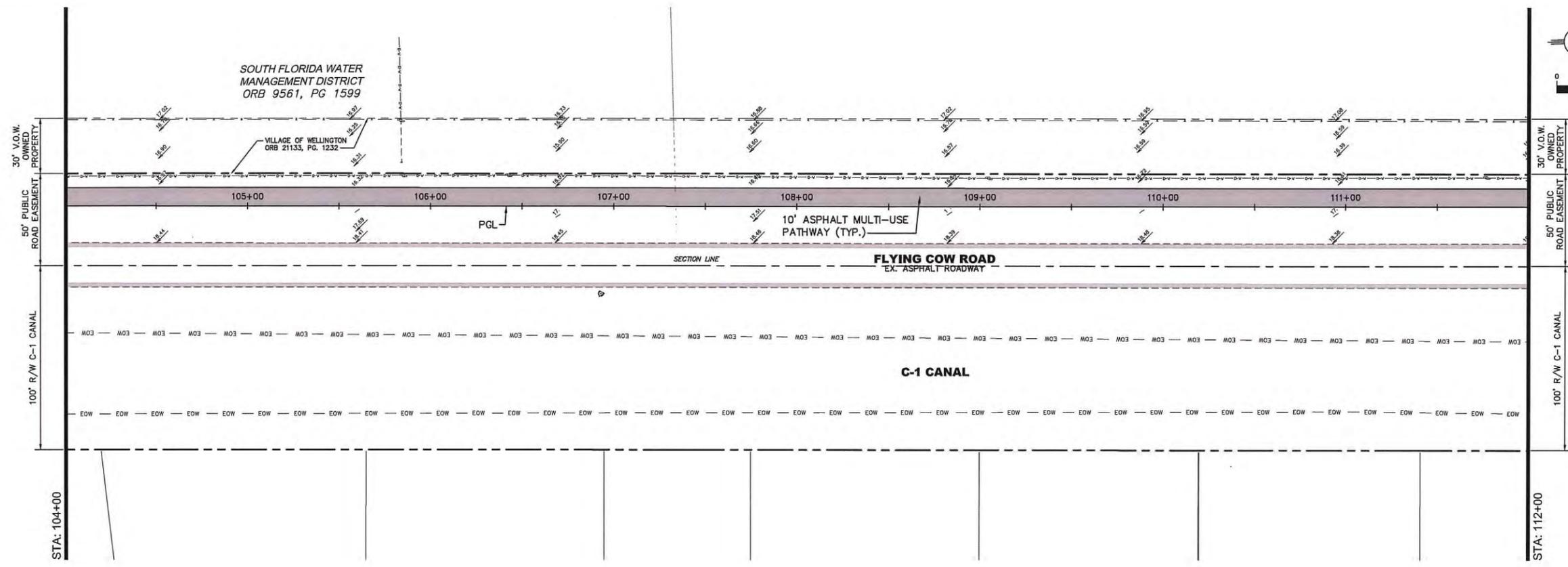
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*William Rebe, P.E.*  
WILLIAM REBE, P.E.  
Professional Engineer  
No. 48597

**PLAN AND PROFILE FOR**  
**WELLINGTON ENVIRONMENTAL PRESERVE GREENWAY PROJECT**



DATE	02 / 2014
DRAWN	JRR
PROJECT ENGINEER	JRR
PROJECT MANAGER	JRR
CHECKED	WJR
JOB NO.	LAP-433196-1
JOB NO.	C.15



NO.	DATE	REVISIONS
1	11/17/14	10% CONSTRUCTABILITY SUBMITTAL
2	10/27/14	30% CONSTRUCTABILITY SUBMITTAL
3	10/27/14	50% CONSTRUCTABILITY SUBMITTAL
4	10/27/14	DESIGN SUBMITTAL
5	10/27/14	PRELIMINARY DESIGN SUBMITTAL
6		REMARKS
		BY

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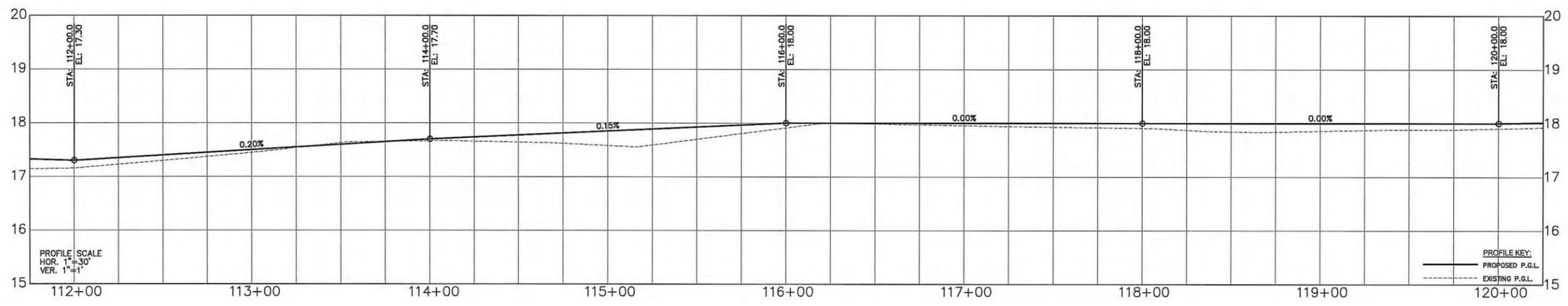
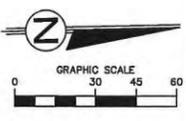
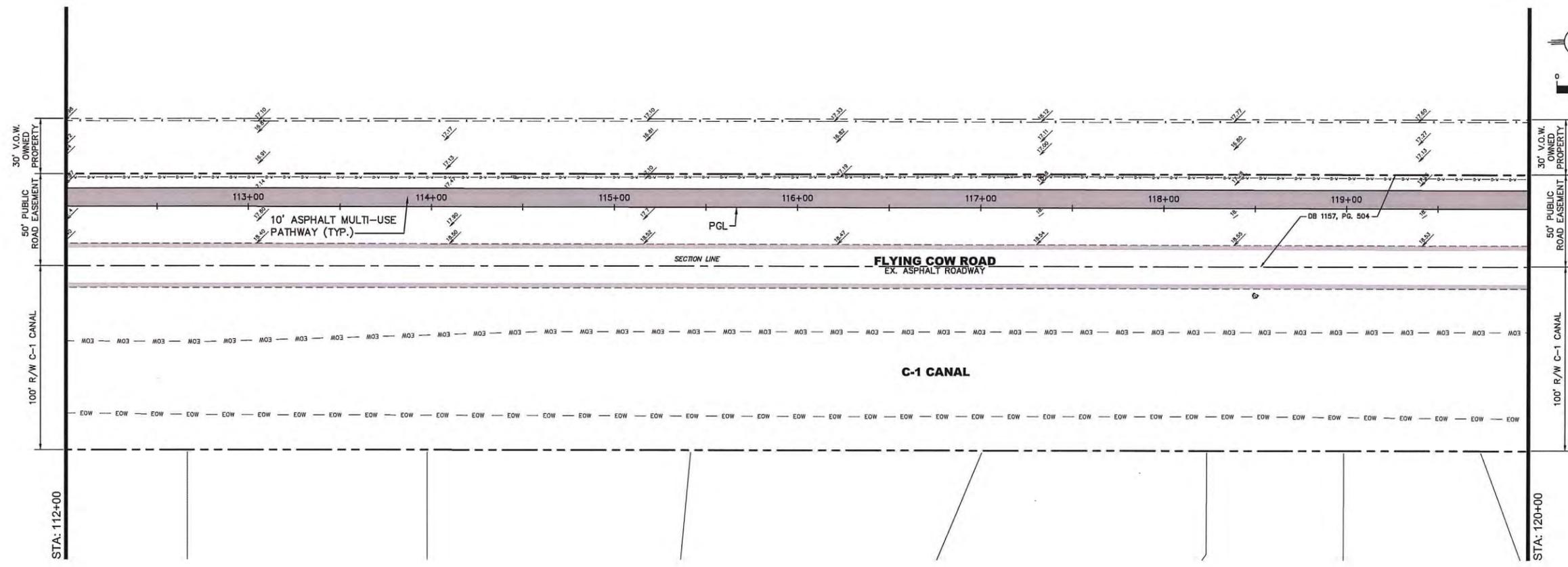
*William Reese, P.E.*  
WILLIAM REESE, P.E.  
FLORIDA LICENSE NO. 48357

PLAN AND PROFILE FOR  
WELLINGTON ENVIRONMENTAL PRESERVE  
GREENWAY PROJECT



DATE	DRAWN	PROJECT ENGINEER	PROJECT MANAGER	CHECKED
02 / 2014	JRR	JRR	JRR	WJR

JOB NO.  
LAP-433196-1



NO.	DATE	REVISIONS
1	11/14/14	100% CONSTRUCTABILITY SUBMITTAL
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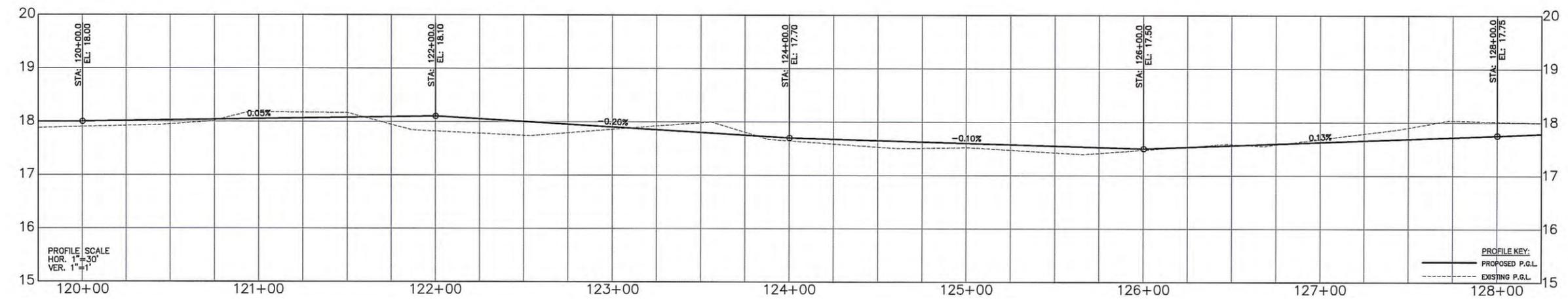
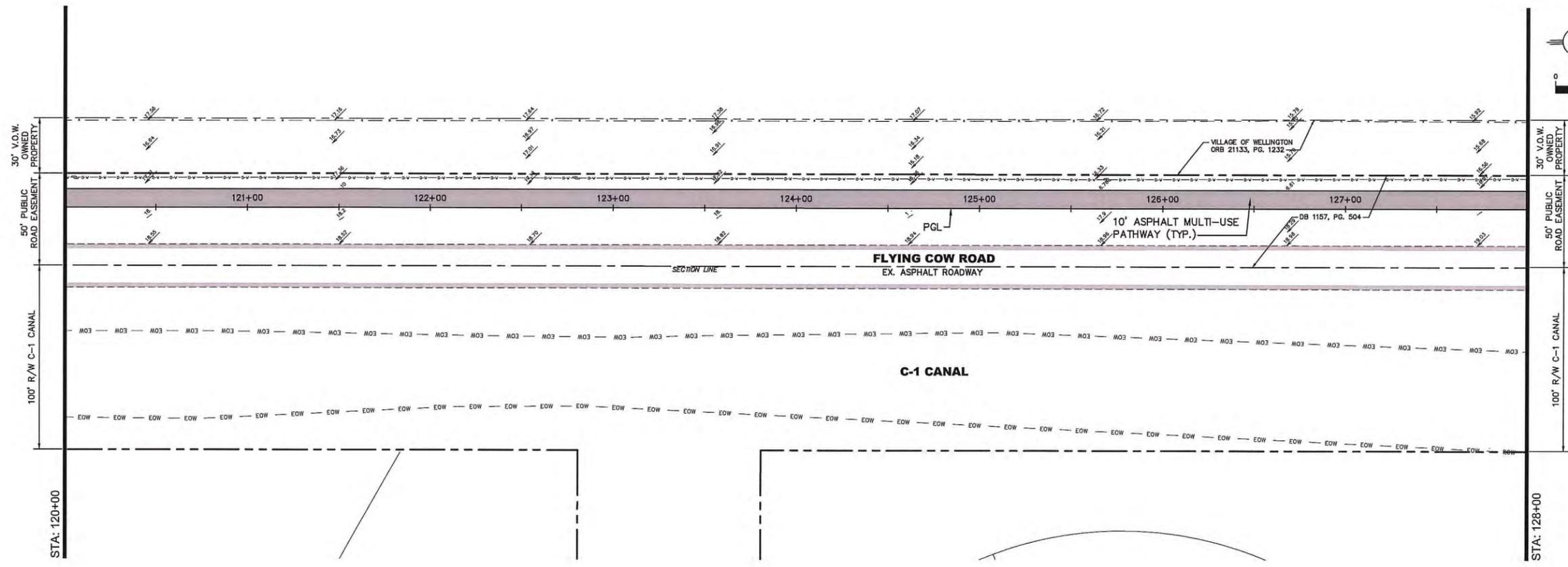
WILLIAM REEF, P.E.  
Professional Engineer  
No. 48597

PLAN AND PROFILE FOR  
WELLINGTON ENVIRONMENTAL PRESERVE  
GREENWAY PROJECT



DATE	DRAWN	PROJECT ENGINEER	PROJECT MANAGER	CHECKED
02 / 2014	JRR	JRR	JRR	WJR

JOB NO.  
LAP-433196-1



REVISIONS	
NO.	DATE
1	02/20/14
2	02/20/14
3	02/20/14
4	02/20/14
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6	02/20/14
7	02/20/14
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29	02/20/14
30	02/20/14

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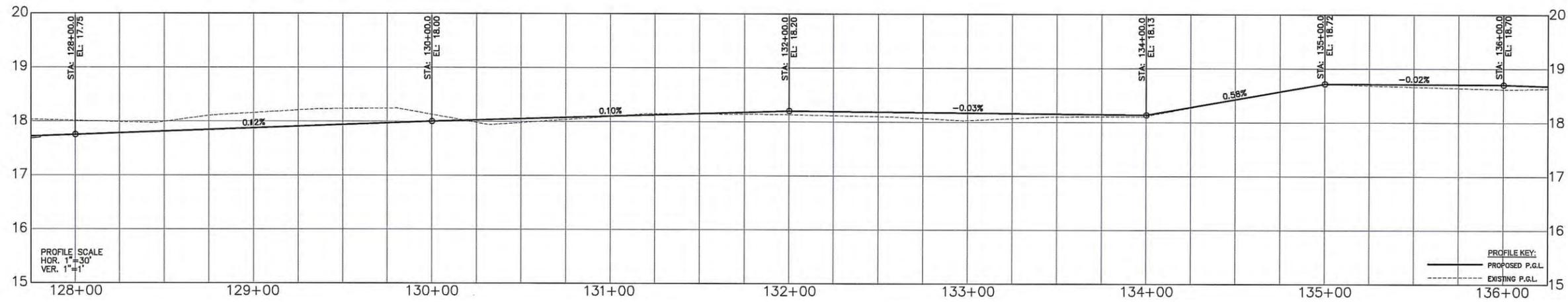
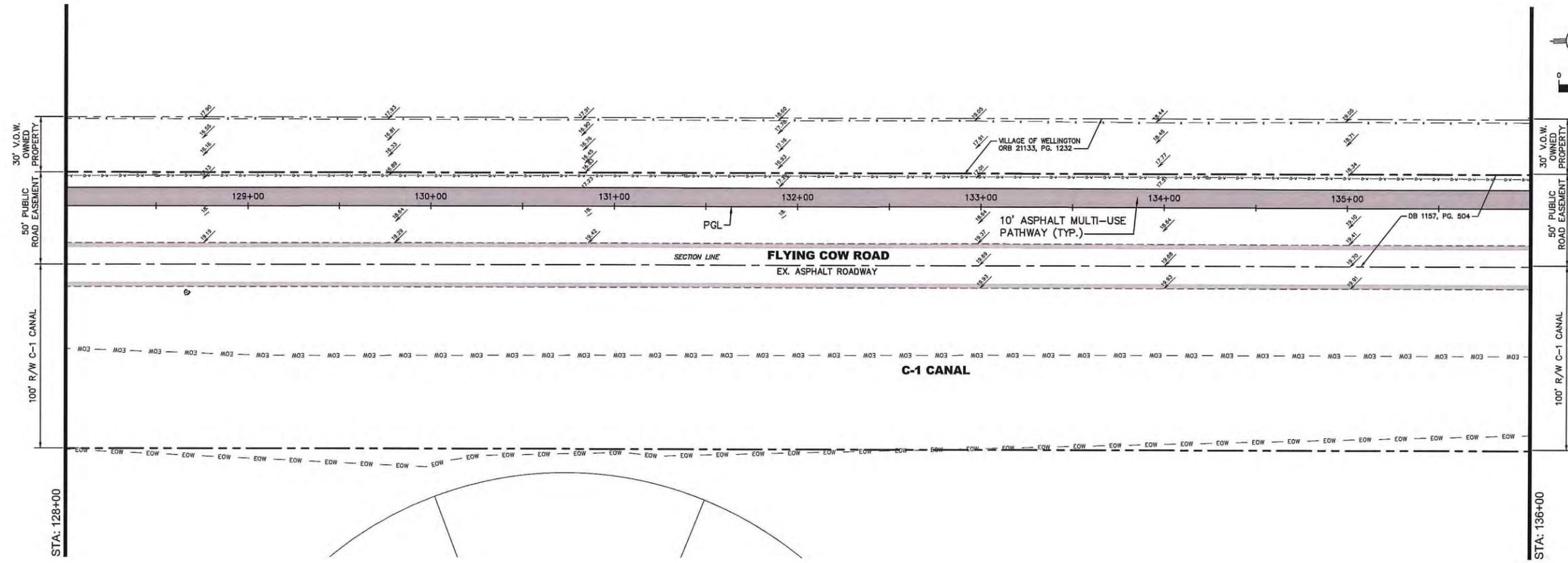
**William**  
 WILLIAM WELDE, P.E.  
 LICENSE NO. 48897

**PLAN AND PROFILE FOR WELLINGTON ENVIRONMENTAL PRESERVE GREENWAY PROJECT**



DATE	DRAWN	PROJECT ENGINEER	CHECKED
02 / 2014	JRR	JRR	JRR
			WJR

JOB NO. LAP-433196-1



NO.	DATE	REVISIONS
1	11/01/14	100% CONSTRUCTABILITY SUBMITTAL
2	10/07/14	60% CONSTRUCTABILITY RESUBMITTAL
3	08/06/14	60% CONSTRUCTABILITY SUBMITTAL
4	02/28/14	PRELIMINARY DESIGN SUBMITTAL

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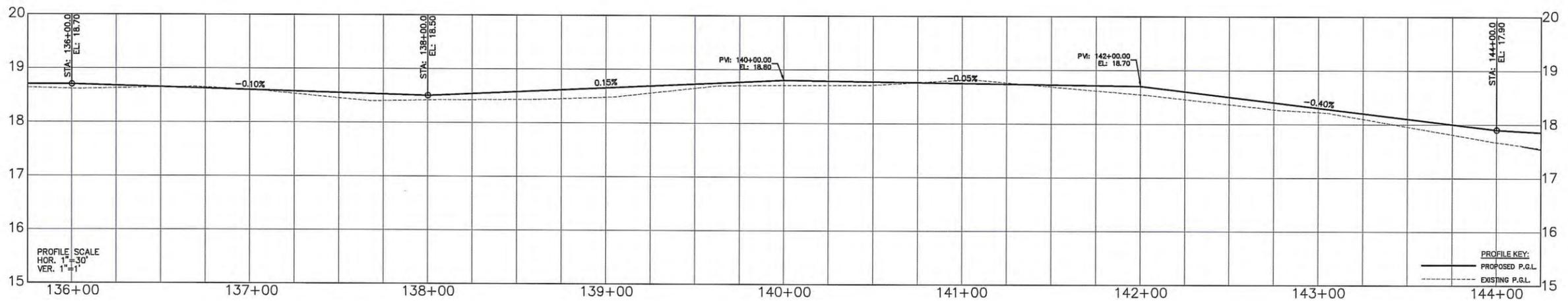
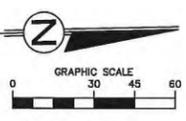
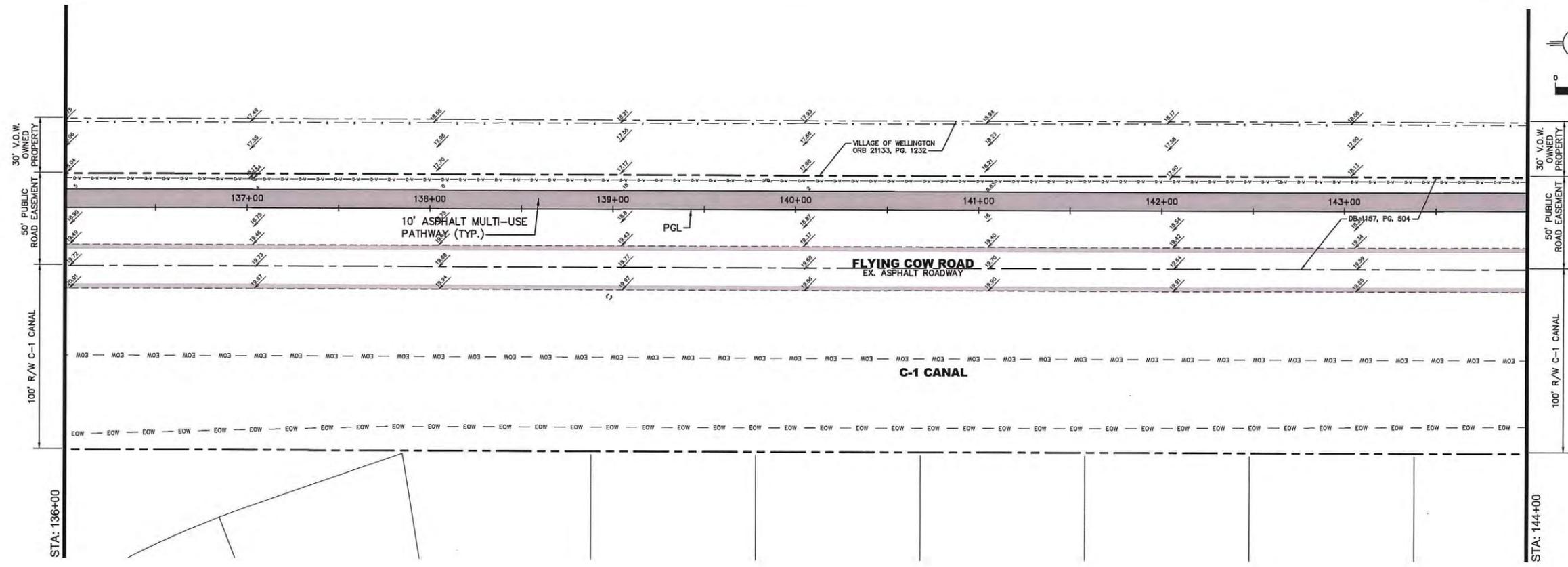
*William J. Reese*  
WILLIAM REESE, P.E.  
FLORIDA LICENSE NO. 48597

PLAN AND PROFILE FOR  
WELLINGTON ENVIRONMENTAL PRESERVE  
GREENWAY PROJECT



DATE	DRAWN	PROJECT ENGINEER	MANAGER	CHECKED
02 / 2014	JRR	JRR	JRR	WJR

JOB NO.  
LAP-433196-1



PROFILE SCALE  
HOR. 1"=30'  
VER. 1"=1'

PROFILE KEY:  
— PROPOSED P.G.L.  
- - - EXISTING P.G.L.

REVISIONS	
NO.	DATE
1	11/14/14
2	10/07/14
3	08/04/14
4	02/09/14

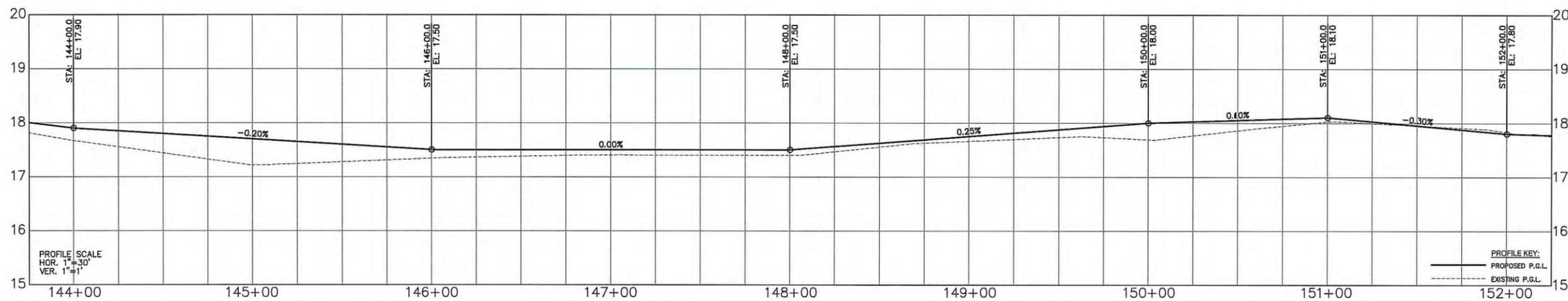
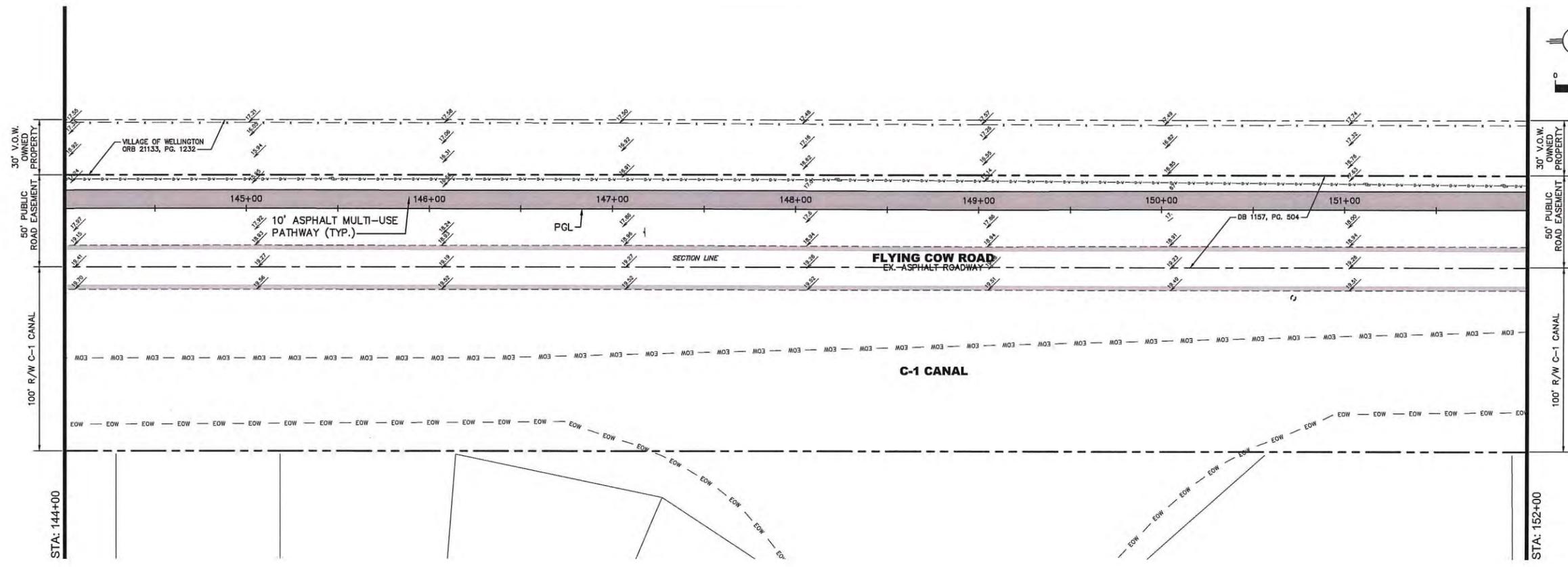
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PLAN AND PROFILE FOR  
WELLINGTON ENVIRONMENTAL PRESERVE  
GREENWAY PROJECT



DATE	DRAWN	PROJECT ENGINEER	CHECKED
02 / 2014	JRR	JRR	JRR
			WJR

JOB NO.  
LAP-433196-1



PROFILE SCALE  
HOR. 1"=30'  
VER. 1"=1'

PROFILE KEY:  
— PROPOSED P.G.L.  
- - - EXISTING P.G.L.

NO.	DATE	REVISIONS
1		11/17/14 100% CONSTRUCTABILITY SUBMITTAL
2		10/07/14 100% CONSTRUCTABILITY SUBMITTAL
3		08/14/14 100% CONSTRUCTABILITY SUBMITTAL
4		02/24/14 PRELIMINARY DESIGN SUBMITTAL
		NO. DATE
		REMARKS
		BY

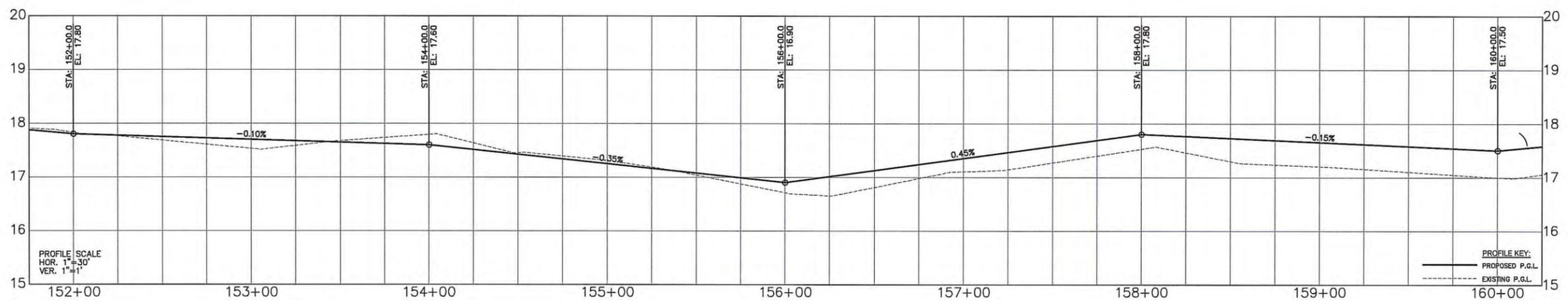
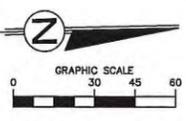
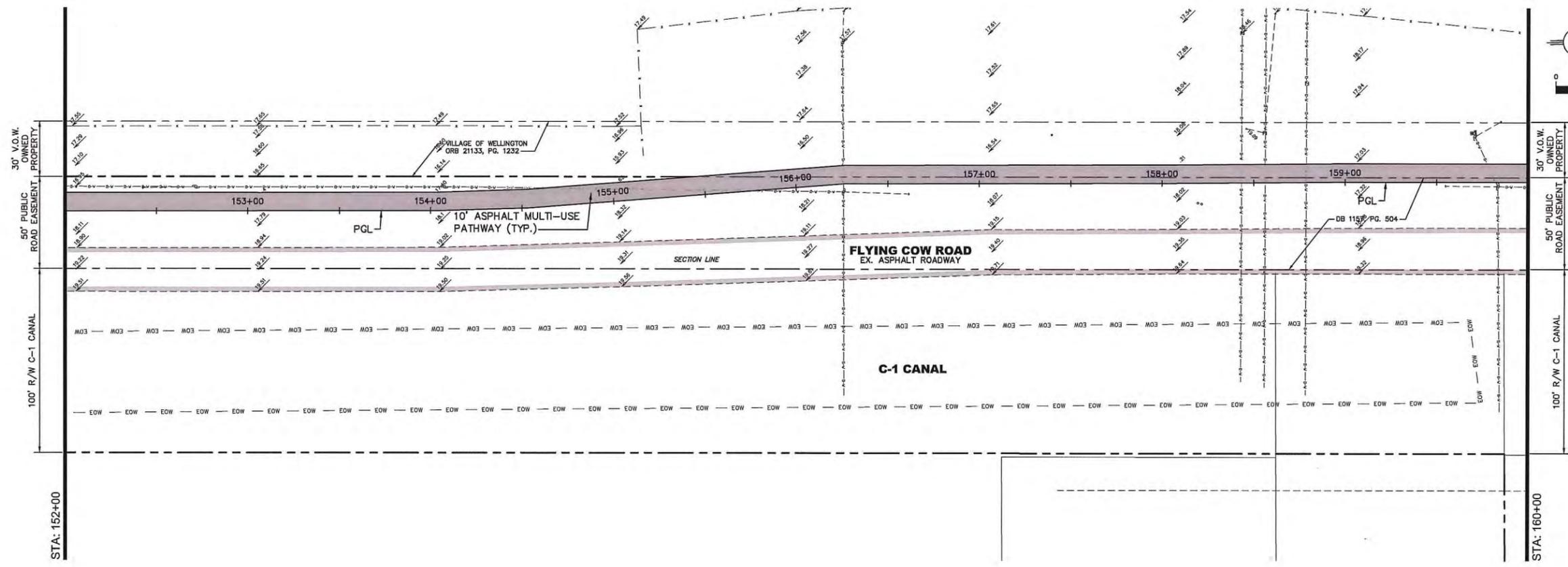
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WILLIAM REBE, P.E.  
FLORIDA REG. NO. 48597

PLAN AND PROFILE FOR  
WELLINGTON ENVIRONMENTAL PRESERVE  
GREENWAY PROJECT



DATE	DRAWN	PROJECT ENGINEER	PROJECT MANAGER	CHECKED
02 / 2014	JRR	JRR	JRR	WJR

JOB NO.  
LAP-433196-1



PROFILE SCALE  
HOR. 1"=30'  
VER. 1"=1'

PROFILE KEY:  
— PROPOSED P.G.L.  
- - - EXISTING P.G.L.

NO.	DATE	REVISIONS
1		11/14/14 100% CONSTRUCTABILITY SUBMITTAL
2		10/07/14 80% CONSTRUCTABILITY SUBMITTAL
3		08/29/14 80% CONSTRUCTABILITY SUBMITTAL
4		07/12/14 PRELIMINARY DESIGN SUBMITTAL
5		NO. DATE

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*William Hebe*  
WILLIAM HEBE, P.E.  
Professional Engineer  
No. 48597

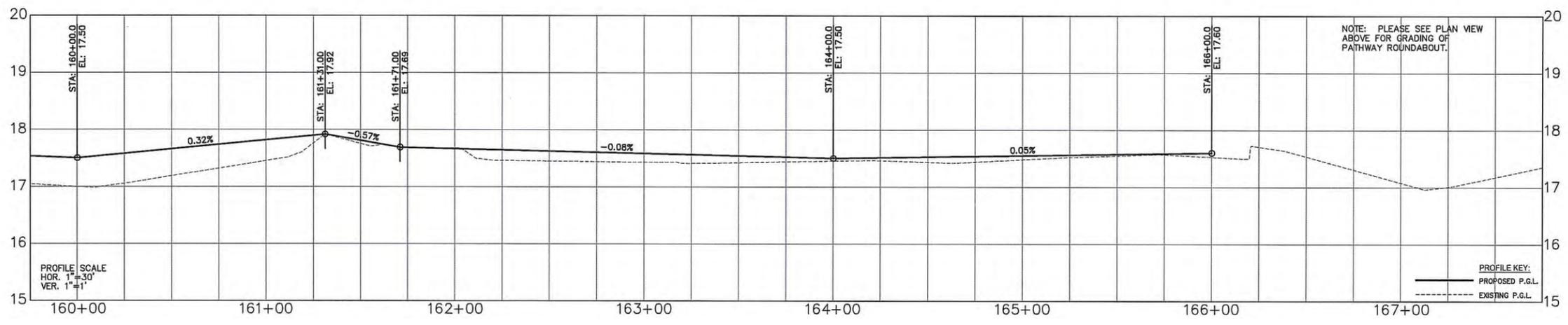
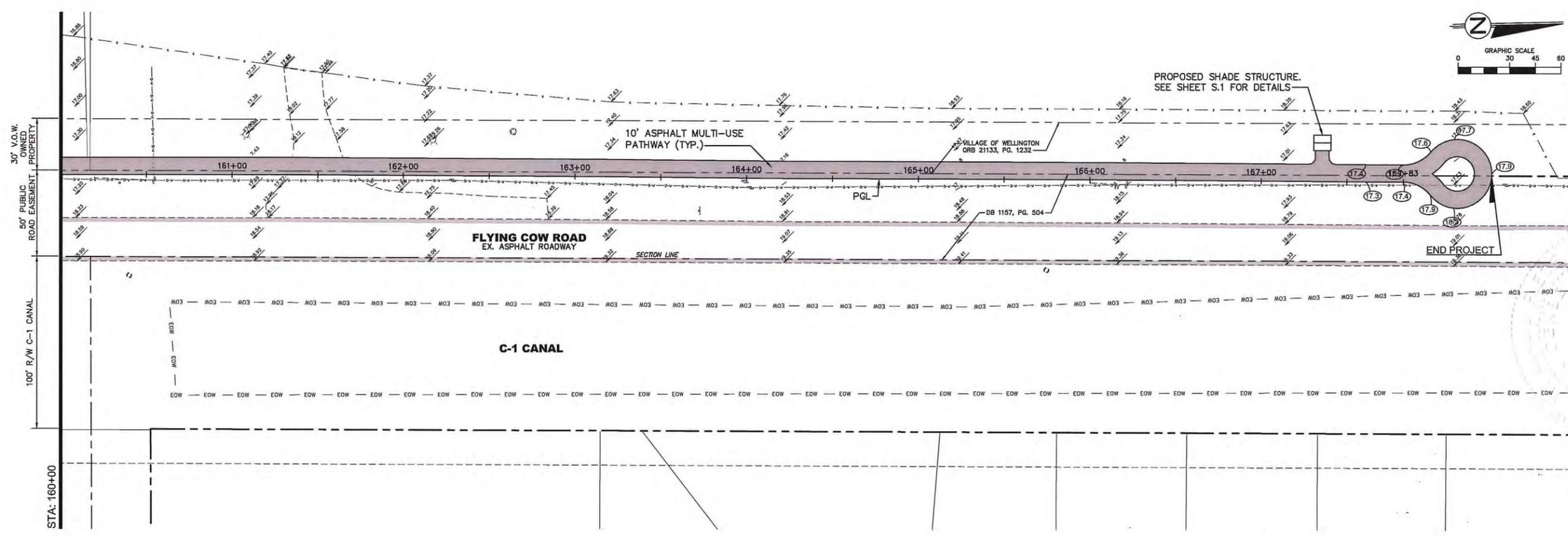
PLAN AND PROFILE FOR  
WELLINGTON ENVIRONMENTAL PRESERVE  
GREENWAY PROJECT



THE VILLAGE OF  
**WELLINGTON**  
Engineering Department  
12300 Forest Hill Boulevard, Wellington, Florida 33414

DATE	DRAWN	PROJECT ENGINEER	PROJECT MANAGER	CHECKED
02 / 2014	JRR	JRR	JRR	WJR

JOB NO.  
LAP-433196-1



NO.	DATE	REVISIONS
1		11/17/14 LOOK CONSTRUCTABILITY SUBMITTAL
2		10/07/14 BOX CONSTRUCTABILITY SUBMITTAL
3		08/28/14 BOX CONSTRUCTABILITY SUBMITTAL
4		07/28/14 PRELIMINARY DESIGN SUBMITTAL
		BY

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*John J. ...*  
 PROJECT ENGINEER  
 WELLSVILLE, FLORIDA  
 No. 48597

PLAN AND PROFILE FOR  
 WELLINGTON ENVIRONMENTAL PRESERVE  
 GREENWAY PROJECT

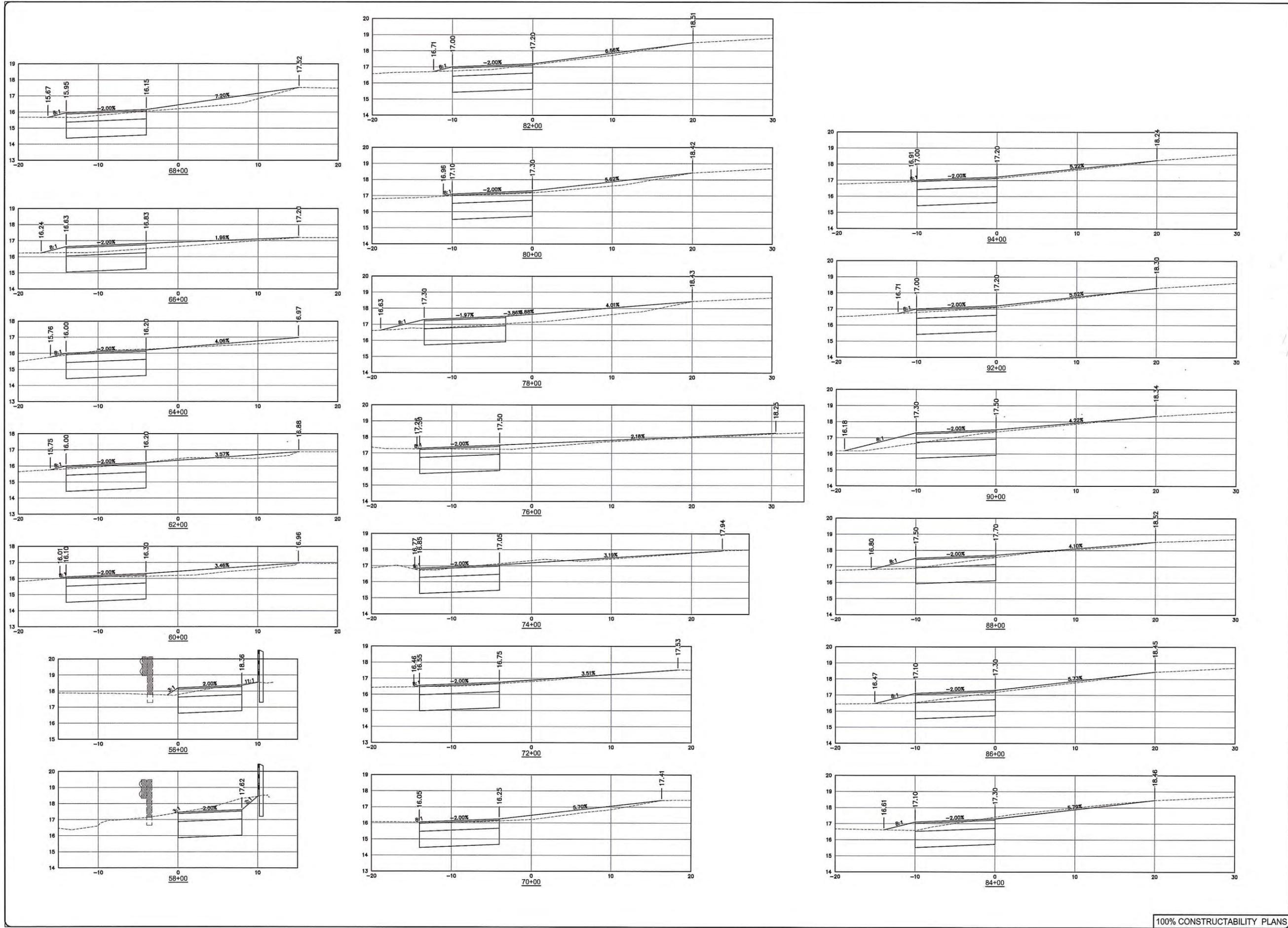


DATE	BY
02 / 2014	JRR
	JRR
	JRR
	WJR

C.23

JOB NO.  
LAP-433196-1





REVISIONS	
NO.	DATE
11/17/14	100% CONSTRUCTABILITY SUBMITTAL
10/07/14	80% CONSTRUCTABILITY SUBMITTAL
08/28/14	60% CONSTRUCTABILITY SUBMITTAL
02/28/14	PRELIMINARY DESIGN SUBMITTAL
	REMARKS

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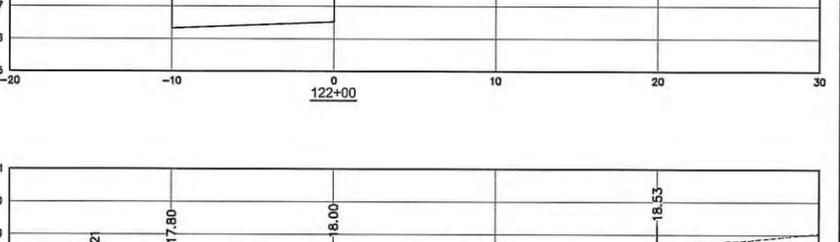
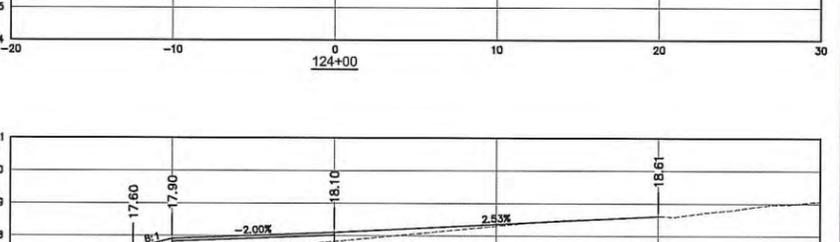
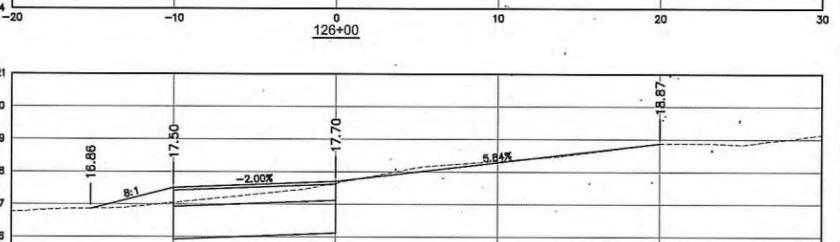
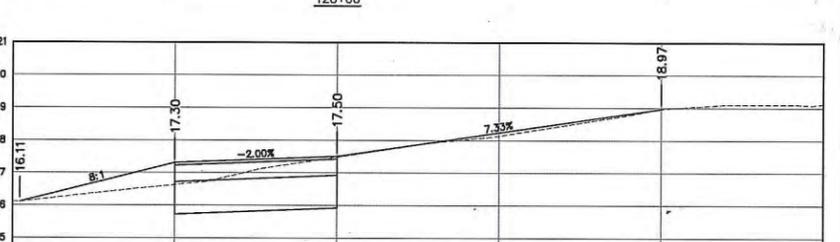
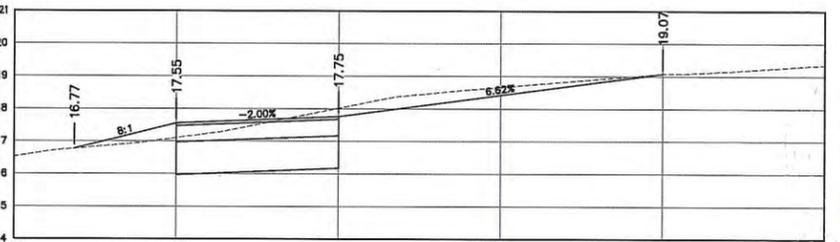
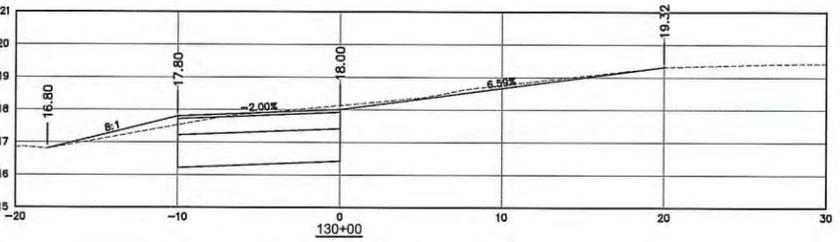
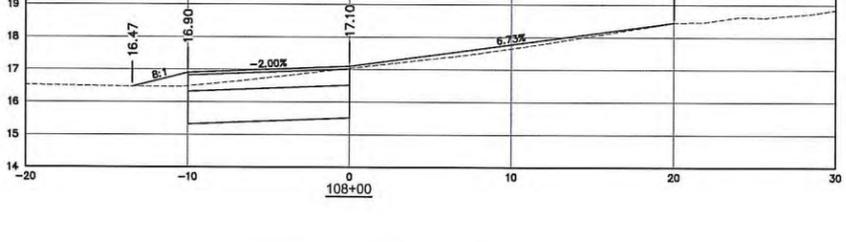
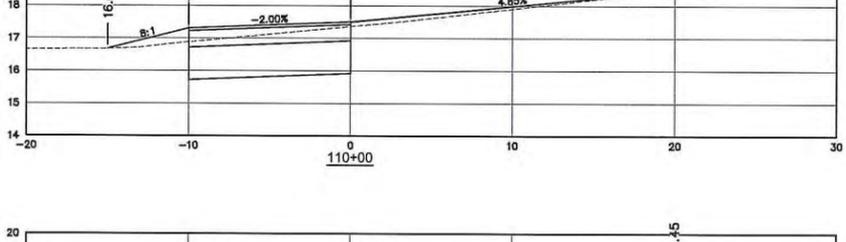
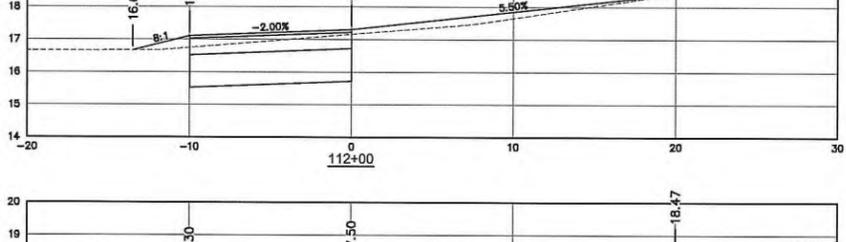
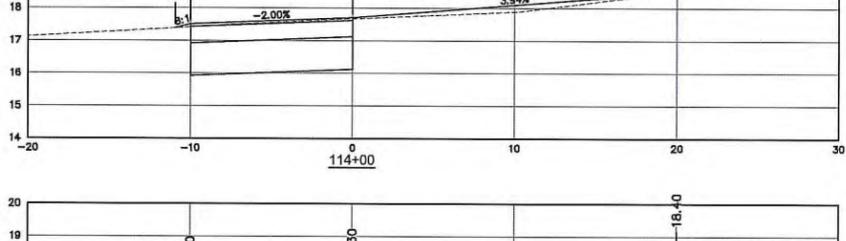
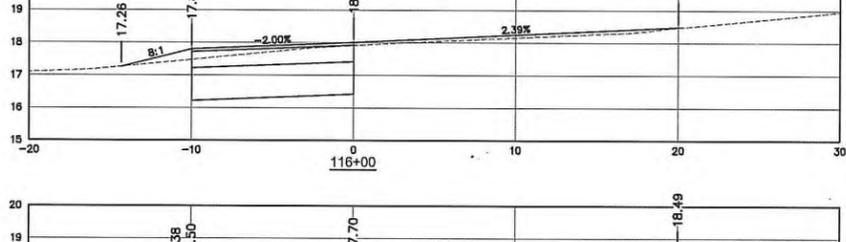
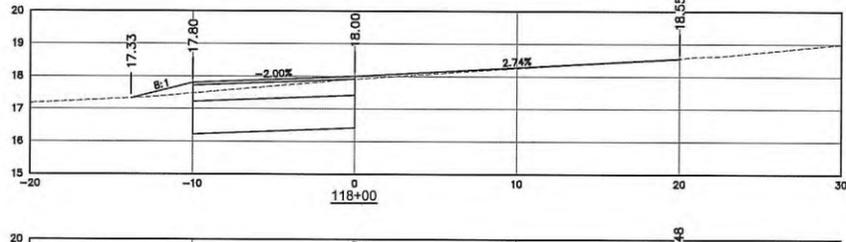
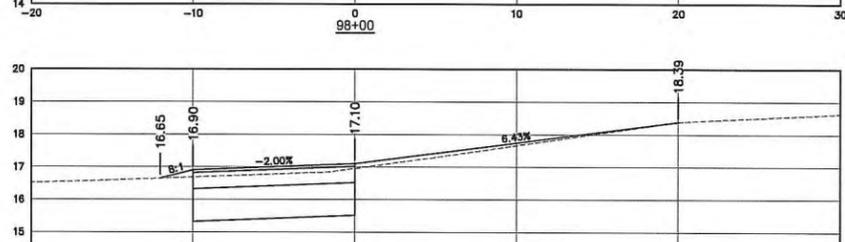
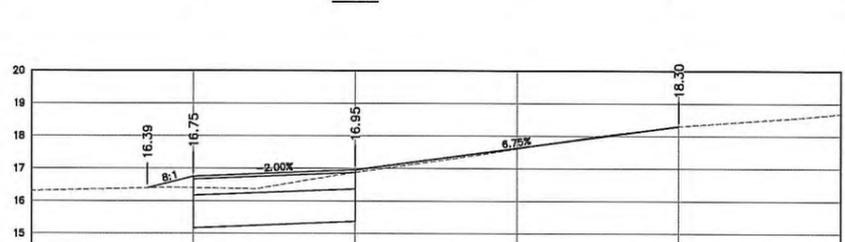
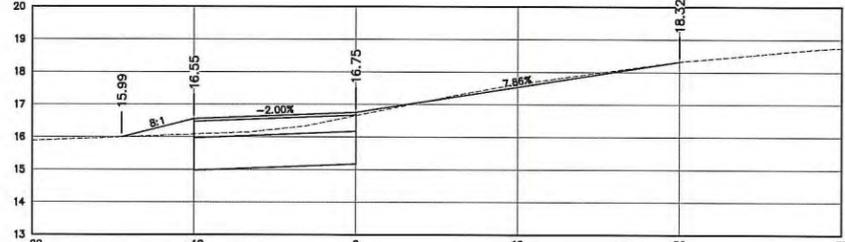
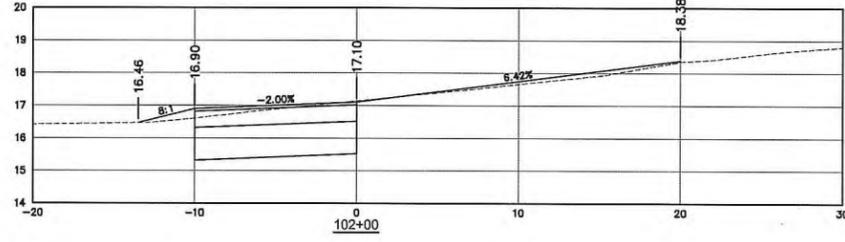
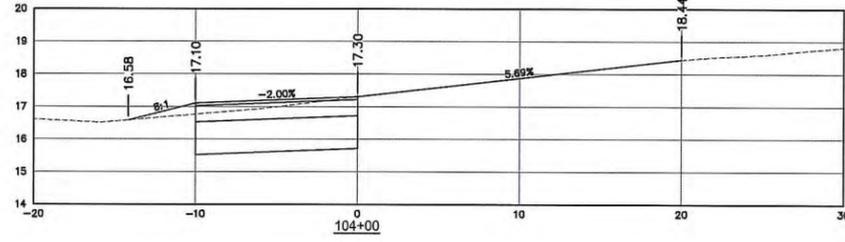
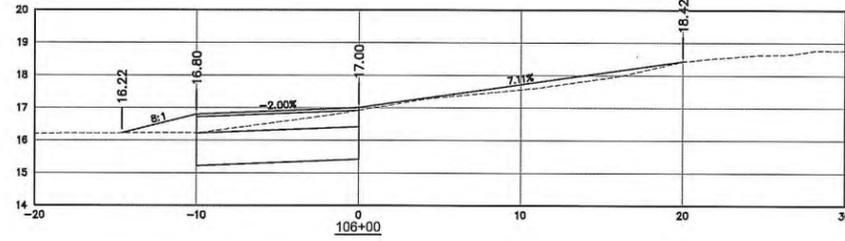
*[Signature]*  
 W. J. WILSON, P.E.  
 FLORIDA LICENSE  
 No. 48597

CROSS SECTIONS  
 FOR  
 WELLINGTON ENVIRONMENTAL PRESERVE  
 GREENWAY PROJECT



DATE	02 / 2014
DRAWN	JRR
PROJECT ENGINEER	JRR
CHECKED	JRR
MANAGER	JRR
W/R	

C.25  
 JOB NO.  
 LAP-433196-1



REVISIONS	
11/07/14	100% CONSTRUCTABILITY SUBMITTAL
10/07/14	80% CONSTRUCTABILITY SUBMITTAL
09/19/14	60% CONSTRUCTABILITY SUBMITTAL
02/29/14	PRELIMINARY DESIGN SUBMITTAL
	NO. DATE

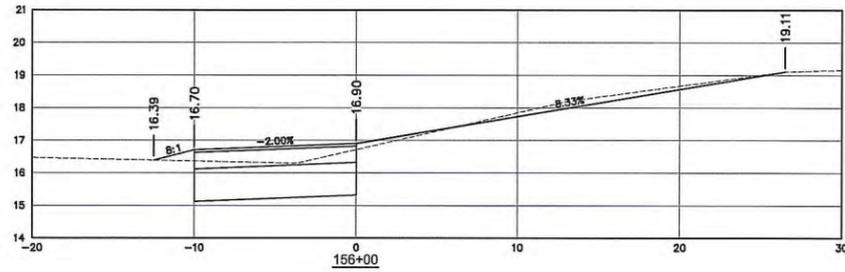
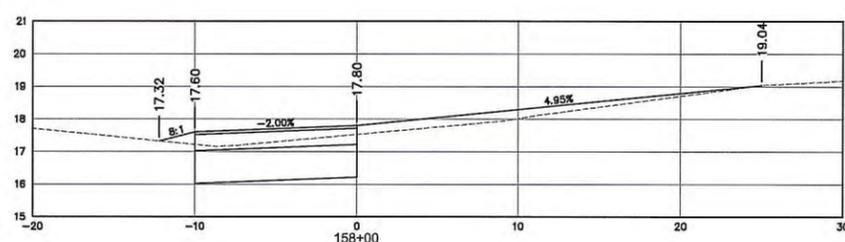
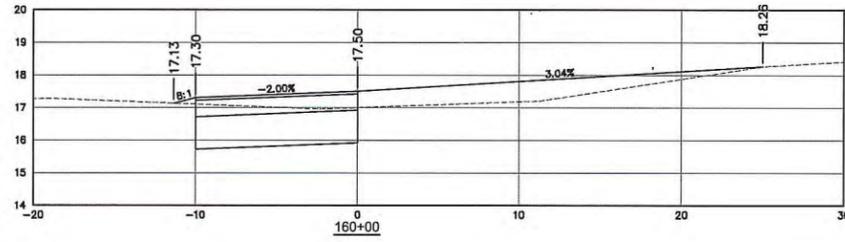
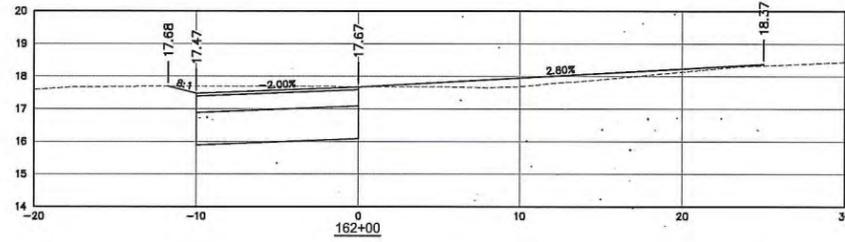
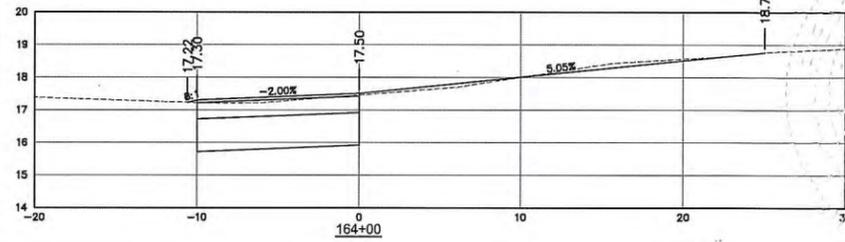
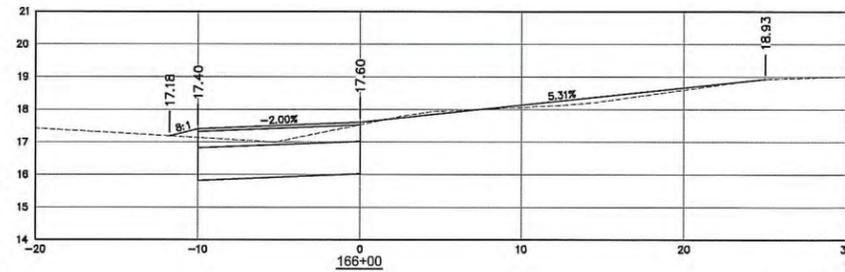
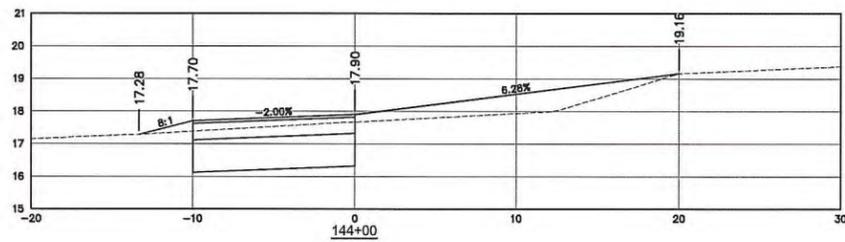
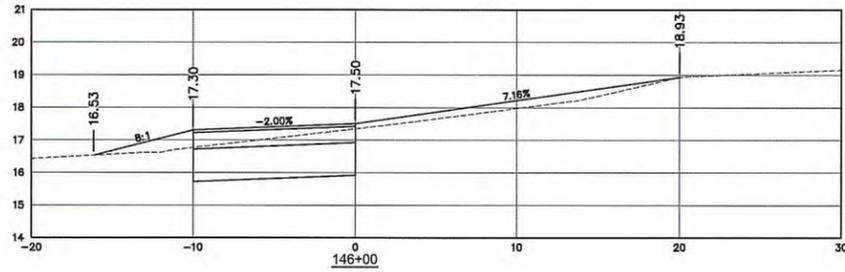
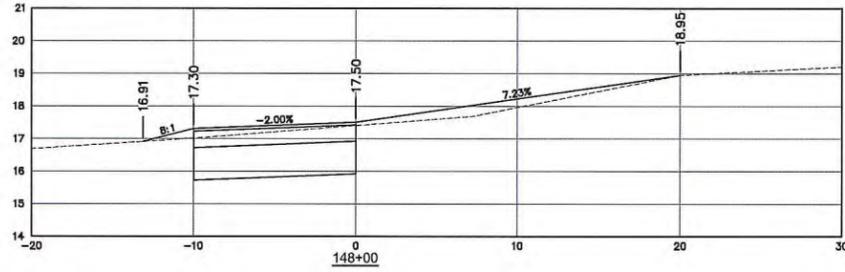
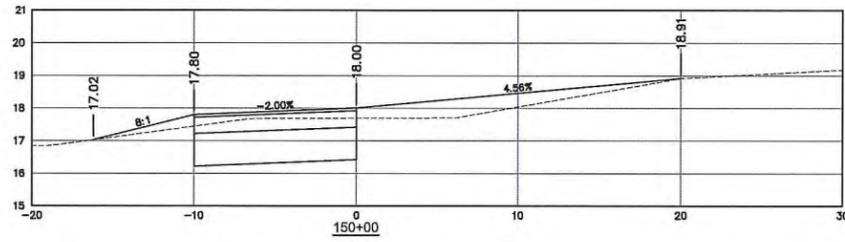
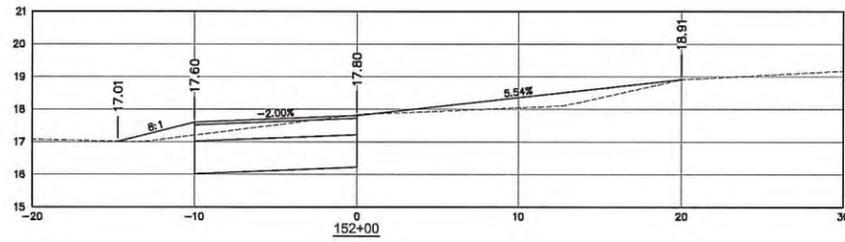
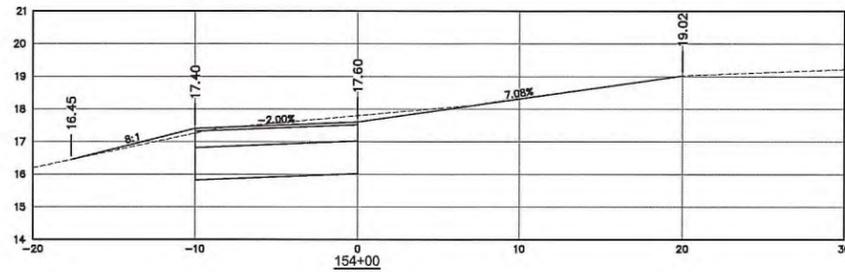
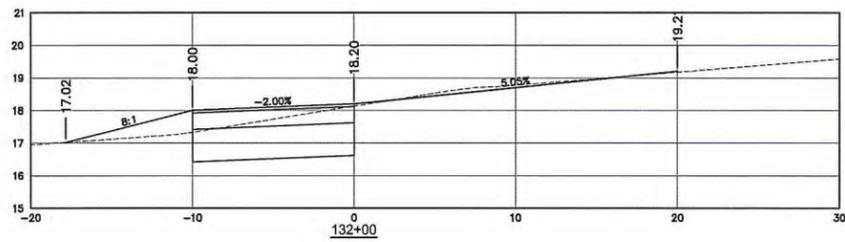
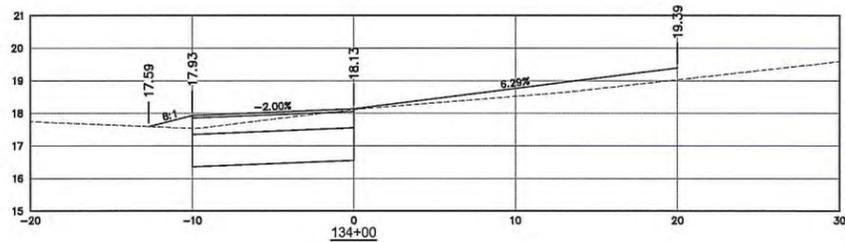
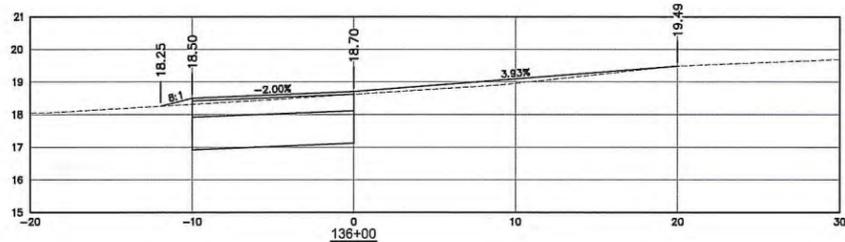
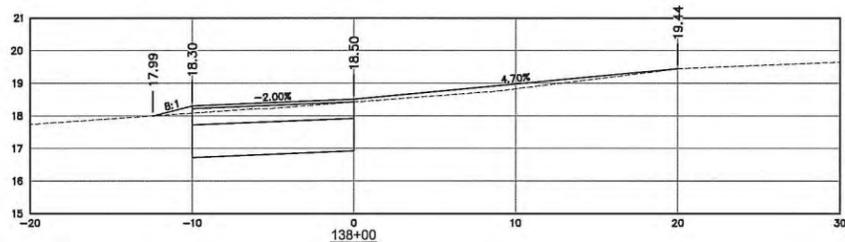
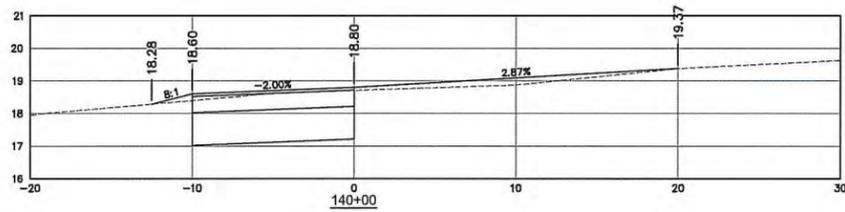
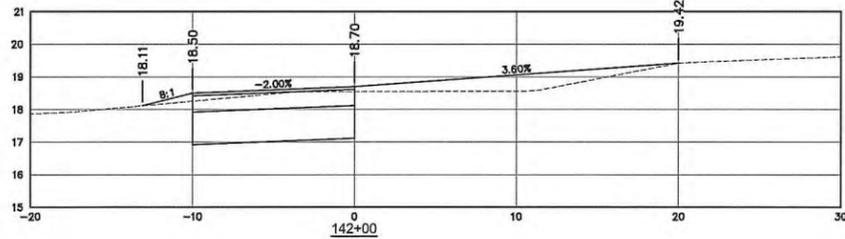
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CROSS SECTIONS FOR WELLINGTON ENVIRONMENTAL PRESERVE GREENWAY PROJECT



DATE	DRAWN	PROJECT ENGINEER	PROJECT MANAGER	CHECKED
02 / 2014	JRR	JRR	JRR	WJR

C.26  
JOB NO. LAP-433196-1



REVISIONS	
NO.	DATE
1	11/17/14
2	12/07/14
3	01/29/15
4	02/26/15

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*William Rebe*  
 WILLIAM REBE, P.E.  
 PROFESSIONAL ENGINEER  
 No. 44897

CROSS SECTIONS FOR  
 WELLINGTON ENVIRONMENTAL PRESERVE  
 GREENWAY PROJECT



Engineering Department  
 12300 Forest Hill Boulevard, Wellington, Florida 33414

DATE	DRAWN	PROJECT ENGINEER	PROJECT MANAGER	CHECKED
02 / 2014	JRR	JRR	JRR	WJR

C.27  
 JOB NO.  
 LAP-433196-1

Total Volume Table							
STATION	FILL AREA (SF)	CUT AREA (SF)	FILL VOL. (CY)	CUT VOL. (CY)	CUM. FILL VOL. (CY)	CUM. CUT VOL. (CY)	NET VOLUME (CY)
0+00-14+00	0.00	4.67	0.00	242.2	0.0	242.2	242.2
14+00.00	0.00	13.6	0.00	0.0	0.0	242.2	242.2
16+00.00	0.29	5.9	1.08	72.4	1.1	314.6	313.5
18+00.00	0.54	6.1	3.07	44.6	4.2	359.2	355.0
20+00.00	0.41	5.0	3.52	41.4	7.7	400.5	392.9
22+00.00	0.41	8.6	3.05	50.5	10.7	451.0	440.4
24+00.00	0.20	8.4	2.26	62.9	13.0	513.9	501.0
26+00.00	0.29	8.1	1.80	61.0	14.8	574.9	560.2
28+00.00	0.36	7.3	2.40	56.9	17.2	631.9	614.7
30+00.00	0.23	8.5	2.19	58.5	19.4	690.4	671.0
32+00.00	0.42	6.6	2.39	56.1	21.8	746.5	724.7
34+00.00	0.53	7.4	3.51	52.1	25.3	798.5	773.2
36+00.00	0.59	4.8	4.17	45.4	29.5	843.9	814.4
38+00.00	0.41	6.2	3.73	40.9	33.2	884.7	851.5
40+00.00	0.10	8.9	1.89	56.0	35.1	940.8	905.7
42+00.00	0.10	9.3	0.73	67.5	35.8	1008.2	972.4
44+00.00	0.31	7.0	1.50	60.4	37.3	1068.6	1031.3
46+00.00	0.36	6.5	2.46	50.0	39.8	1118.7	1078.9
48+00.00	0.11	9.6	1.72	59.7	41.5	1178.4	1136.9
50+00.00	0.04	9.1	0.57	69.2	42.1	1247.6	1205.5
52+00.00	0.50	5.2	2.02	52.7	44.1	1300.4	1256.3
54+00.00	0.19	6.5	2.55	43.3	46.6	1343.6	1585.8
56+00.00	0.31	4.3	1.85	39.9	48.5	1383.6	1335.1
58+00.00	0.00	8.4	1.16	46.9	49.6	1430.5	1380.9

Total Volume Table							
STATION	FILL AREA (SF)	CUT AREA (SF)	FILL VOL. (CY)	CUT VOL. (CY)	CUM. FILL VOL. (CY)	CUM. CUT VOL. (CY)	NET VOLUME (CY)
60+00.00	4.55	4.8	0.00	0.0	0.0	0.0	0.0
62+00.00	2.43	5.3	25.85	37.4	25.8	37.4	11.5
64+00.00	3.08	6.2	20.40	42.4	46.3	79.8	33.5
66+00.00	4.75	1.9	28.99	30.0	75.2	109.8	34.5
68+00.00	6.19	3.6	40.51	20.3	115.8	130.1	14.3
70+00.00	3.90	5.1	37.35	32.3	153.1	162.4	9.3
72+00.00	1.28	5.3	19.16	38.8	172.3	201.1	28.9
74+00.00	1.17	7.6	9.08	47.7	181.3	248.9	67.5
76+00.00	4.22	5.0	19.97	46.3	201.3	295.2	93.9
78+00.00	11.79	0.8	59.28	21.2	260.6	316.4	55.8
80+00.00	4.00	4.7	58.51	20.2	319.1	336.6	17.5
82+00.00	2.55	4.4	24.26	33.8	343.4	370.4	27.1
84+00.00	1.97	6.4	16.74	40.3	360.1	410.7	50.6
86+00.00	4.35	2.5	23.41	32.9	383.5	443.6	60.1
88+00.00	4.36	2.3	32.26	17.5	415.8	461.1	45.4
90+00.00	6.94	2.2	41.85	16.6	457.6	477.7	20.1
92+00.00	2.14	4.1	33.62	23.4	491.2	501.1	9.9
94+00.00	1.76	4.9	14.45	33.3	505.7	534.5	28.8
96+00.00	2.44	3.6	15.56	31.6	521.2	566.1	44.8
98+00.00	1.84	2.8	15.86	23.7	537.1	589.8	52.7
100+00.00	2.36	2.8	15.53	20.7	552.6	610.5	57.8
102+00.00	2.83	4.6	19.19	27.7	571.8	638.1	66.3
104+00.00	1.79	3.9	17.08	31.8	588.9	669.9	81.0
106+00.00	4.64	2.5	23.81	23.7	612.7	693.6	80.9
108+00.00	3.32	3.3	29.48	21.3	642.2	714.9	72.7
110+00.00	3.92	3.0	26.81	23.3	669.0	738.2	69.2
112+00.00	4.55	3.3	31.36	23.3	700.4	761.5	61.1
114+00.00	2.69	5.3	26.81	31.8	727.2	793.3	66.1
116+00.00	3.47	3.9	22.81	34.1	750.0	827.4	77.4
118+00.00	2.27	3.7	21.27	28.3	771.2	855.7	84.4
120+00.00	2.41	3.8	17.37	28.0	788.6	883.7	95.0
122+00.00	2.71	2.7	18.96	24.2	807.6	907.9	100.3
124+00.00	2.68	3.6	19.96	23.5	827.5	931.3	103.8
126+00.00	6.47	2.6	33.90	23.1	861.4	954.4	93.0
128+00.00	3.08	8.9	35.35	42.8	896.8	997.2	100.4
130+00.00	2.84	6.8	21.91	58.4	918.7	1055.6	136.9
132+00.00	4.92	3.1	28.74	36.9	947.4	1092.5	145.1
134+00.00	5.71	3.6	39.36	25.1	986.8	1117.6	130.8
136+00.00	2.63	4.4	30.89	29.7	1017.7	1147.3	129.7
138+00.00	3.03	4.2	20.97	31.8	1038.6	1179.2	140.5
140+00.00	3.67	4.6	24.82	32.6	1063.5	1211.8	148.3
142+00.00	7.52	4.3	41.45	32.9	1104.9	1244.7	139.8
144+00.00	9.63	3.1	63.52	27.3	1168.4	1272.0	103.6
146+00.00	7.17	2.4	62.24	20.2	1230.7	1292.3	61.6
148+00.00	5.05	3.8	45.28	23.0	1275.9	1315.2	39.3
150+00.00	9.43	3.2	53.65	26.1	1329.6	1341.3	11.7
152+00.00	6.10	4.0	57.52	26.5	1387.1	1367.9	(19.3)
154+00.00	2.51	7.3	31.87	41.6	1419.0	1409.4	(9.6)
156+00.00	1.66	3.8	15.38	41.1	1434.4	1450.5	16.1
158+00.00	5.86	1.9	27.82	21.2	1462.2	1471.7	9.5
160+00.00	11.34	2.0	63.69	14.4	1525.9	1486.0	(39.8)
162+00.00	3.42	7.0	54.67	33.2	1580.5	1519.2	(61.3)
164+00.00	1.02	5.5	16.44	46.1	1597.0	1565.3	(31.6)
166+00.00	2.21	2.7	11.93	30.5	1608.9	1595.8	(13.1)

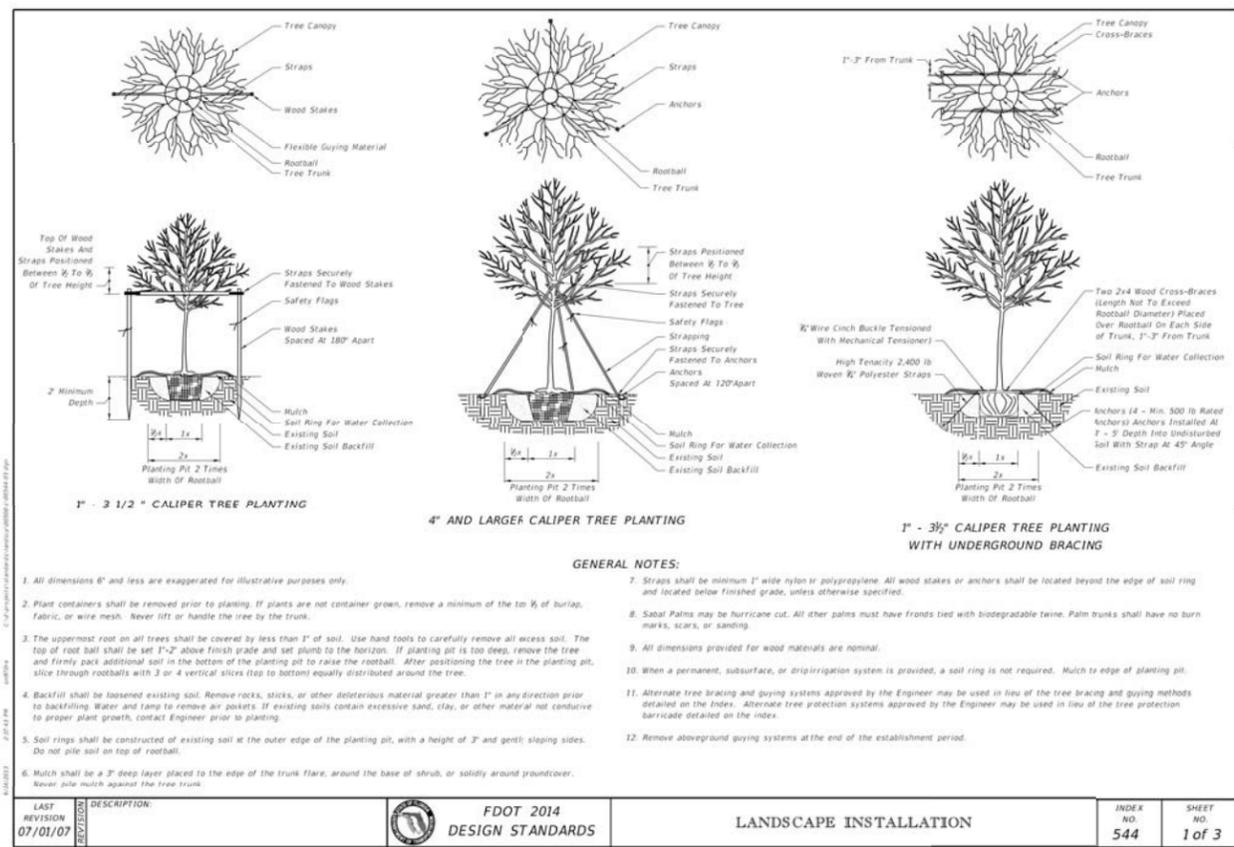
NO.	DATE	REVISIONS
1	11/17/14	DOE CONSTRUCTABILITY SUBMITTAL
2	10/07/14	DOE CONSTRUCTABILITY SUBMITTAL
3	08/29/14	PRELIMINARY DESIGN SUBMITTAL
4	08/29/14	PRELIMINARY DESIGN SUBMITTAL
5		REMARKS

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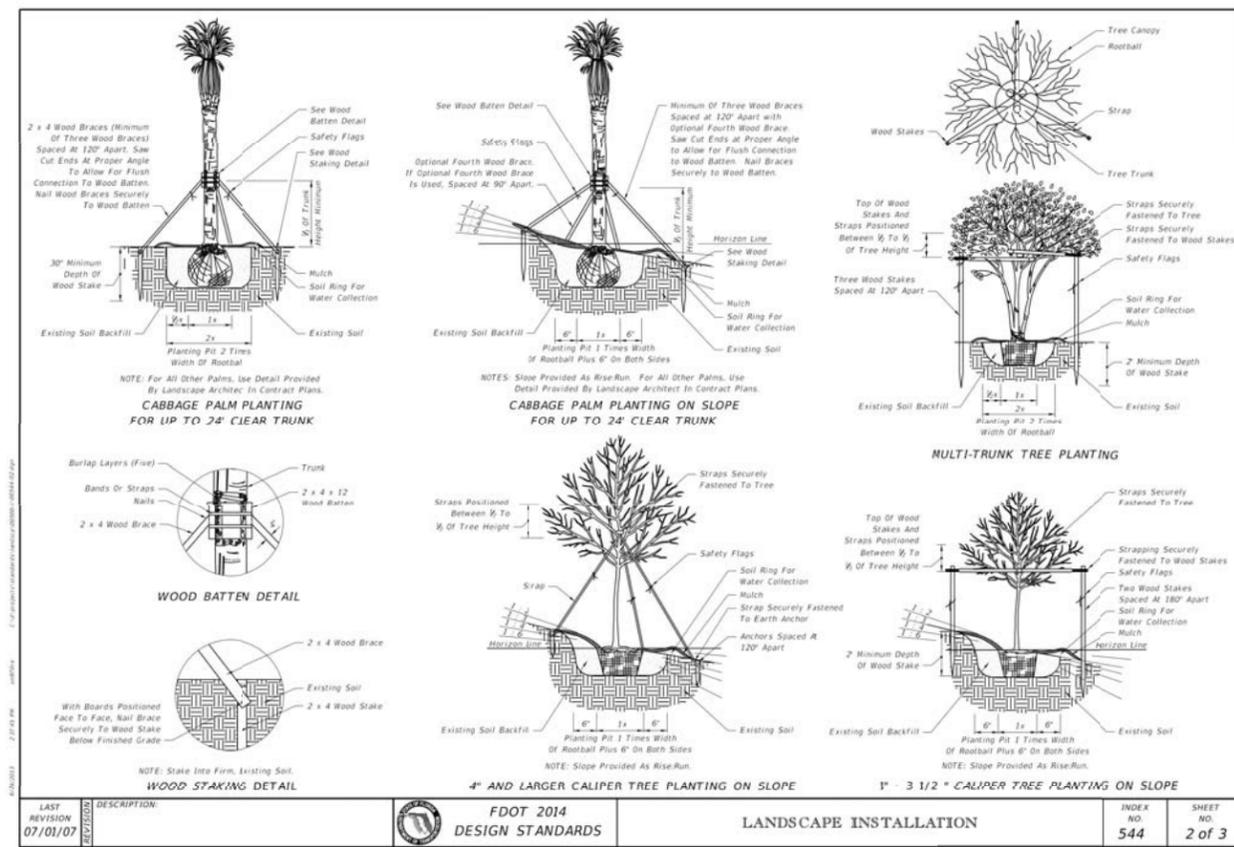
CROSS SECTION VOLUME QUANTITIES  
 FOR  
 WELLINGTON ENVIRONMENTAL PRESERVE  
 GREENWAY PROJECT



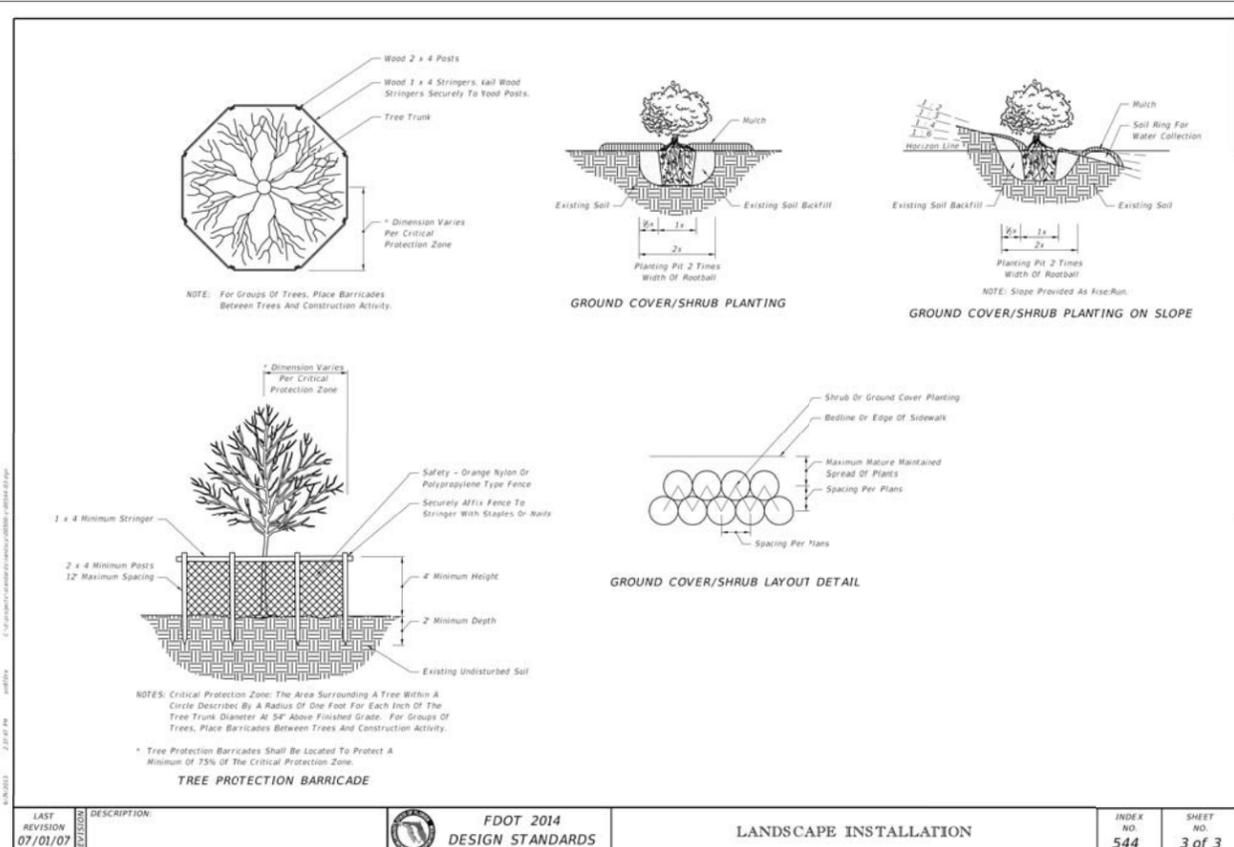
DATE	02 / 2014
DRAWN	JRR
PROJECT ENGINEER	JRR
PROJECT MANAGER	JRR
CHECKED	WJR
JOB NO. LAP-433196-1	



LAST REVISION 07/01/07	DESCRIPTION:	<b>FDOT 2014 DESIGN STANDARDS</b>	<b>LANDSCAPE INSTALLATION</b>	INDEX NO. <b>544</b>	SHEET NO. <b>1 of 3</b>
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LAST REVISION 07/01/07	DESCRIPTION:	<b>FDOT 2014 DESIGN STANDARDS</b>	<b>LANDSCAPE INSTALLATION</b>	INDEX NO. <b>544</b>	SHEET NO. <b>2 of 3</b>
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LAST REVISION 07/01/07	DESCRIPTION:	<b>FDOT 2014 DESIGN STANDARDS</b>	<b>LANDSCAPE INSTALLATION</b>	INDEX NO. <b>544</b>	SHEET NO. <b>3 of 3</b>
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**100% CONSTRUCTABILITY PLANS**

CATEGORY	Item No.	OBJECTS, OBSTRUCTIONS OR CONDITIONS	HORIZONTAL CLEARANCE REQUIREMENTS		
			Restricted (See Table B)	Nonrestricted	
GENERAL	1	Above ground fixed hazards: All roadside objects, obstructions or conditions other than those listed below that exceed 4 inches in height and pose a hazard to errant vehicles and vehicle occupants.	Locate as close to the Right Of Way as practical and not less than 4 feet from face of curb.	Locate outside the clear zone as close to the Right Of Way as practical.	
	2	Drop off hazards: Any zone along a roadside slope steeper than 1:3 that is deeper than 6 feet below the hinge point. See Figure 2.	Locate the point that is 6 feet below the hinge point no less than 22 feet from the edge of traveled way.	Treat as roadside slopes in accordance with Design Standard, Index 400.	
	3	All FDOT approved guardrails, guardrail and terminals, crash cushions, and concrete barriers (temporary or permanent).	Locate as shown in the Design Standards.		
	4	Design Standard, Index 532	Locate in accordance with Design Standard, Index 532.		
	5	Mailboxes	Not shown in Design Standard, Index 532. Not to be used.		
ROADWAY	6	Trees	Expected to become greater than 4 inches in diameter (measured 6 inches above the ground): Outside roadways: Locate no less than 4 feet from face of curb in accordance with Design Standard, Index 546. Inside medians: Locate no less than 6 feet from the edge of traffic lane and in accordance with Design Standard, Index 546.	Locate outside the clear zone as close to the Right Of Way as practical and in accordance with Design Standard, Index 546.	
	7		Not expected to become greater than 4 inches in diameter (measured 6 inches above the ground):	Locate in accordance with Design Standard, Index 546.	
	8	Behind guardrail	Locate no less than 5 feet from the back of the guardrail post.		
	9	Crests	Unshielded	Locate as close to the Right Of Way as practical and not less than 40 feet from the edge of traveled way.	Design speeds of 50 mph and greater: Locate as close to the Right Of Way as practical and not less than 40 feet from the edge of traveled way. Design speeds less than 50mph: locate as close to the Right Of Way as practical and not less than 50 feet from the edge of traveled way.
DRAINAGE	10	Culvert wing walls, endwalls, retaining walls and flared end sections	less than or equal 6 feet deep	Locate no less than 4 feet from face of curb.	
	11		greater than 6 feet deep	Locate outside the clear zone.	
	12	Mitered end sections	Treat as drop-off hazard: See Item No. 2. Locate as shown in Design Standard, Index 273 and Index 273.		
TRAFFIC CONTROL DEVICES	13	Triangle or breakaway sign supports	Locate in accordance with Design Standard, Index 17302.		
	14	Overhead sign supports and other nonadjustable signs	Locate no less than 4 feet from face of curb.		
LIGHTING	15	Traffic detection detectors, signal controller cabinets, signal poles, strain poles and mast arms	Locate no less than 4 feet from face of curb and not in medians.		
	16	Conventional lighting (frangible and nonfrangible)	Locate no less than 4 feet from face of curb and only on barrier walls in medians.		
STRUCTURES	17	Highest lighting	not applicable		
	18	Bridge piers and abutments: Above ground vertical structures	Locate no less than 16 feet from edge of traveled way.		
UTILITIES	19	Fire hydrants with bases no higher than 4 inches above ground	Locate no less than 2 feet from face of curb.		
	20	Aboveground fixed utilities (AFUs)	New AFUs are to be outside the Clear Zones established using Table A Recoverable Terrain and as close to the R/W line as practical.		
RAILROADS	21	Railroad crossing traffic control devices	Locate in accordance with Design Standard, Index 17882.		

**GENERAL NOTES**

- When shielding an object and sidewalks are present, an unobstructed sidewalk width of at least 4 feet must be provided.
- When site specific conditions prohibit meeting the horizontal clearance requirements in TABLE C, the object, obstruction or condition must be trashworthy or mitigated, possibly by sheathing. Otherwise, the Plans Preparation Manual, Volume 1, Chapters 2, 4, 21, 23 and 25.

**DROP-OFF HAZARDS**  
FIGURE 2

LAST REVISION 07/01/13	DESCRIPTION:	<b>FDOT 2014 DESIGN STANDARDS</b>	<b>ROADSIDE OFFSETS</b>	INDEX NO. <b>700</b>	SHEET NO. <b>2 of 2</b>
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REVISIONS  
 11/17/14 100% CONSTRUCTABILITY SUBMITTAL JRR  
 10/02/14 90% CONSTRUCTABILITY SUBMITTAL JRR  
 08/16/14 90% CONSTRUCTABILITY SUBMITTAL JRR  
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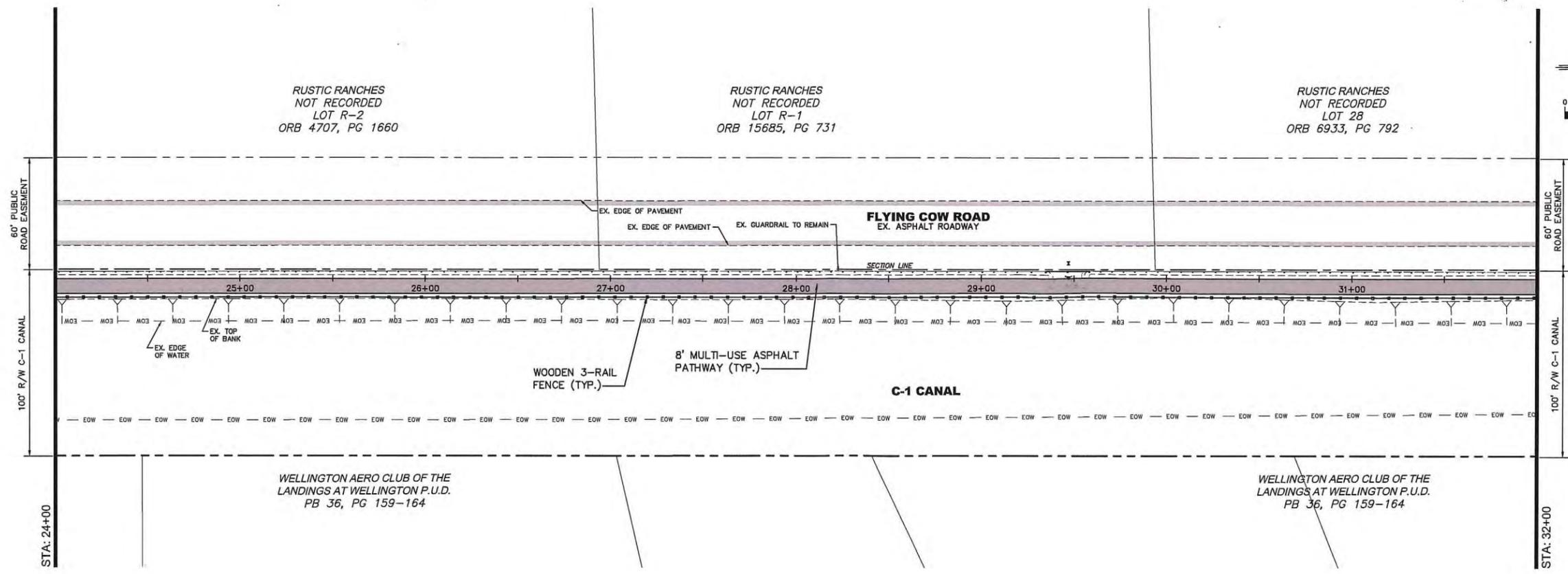
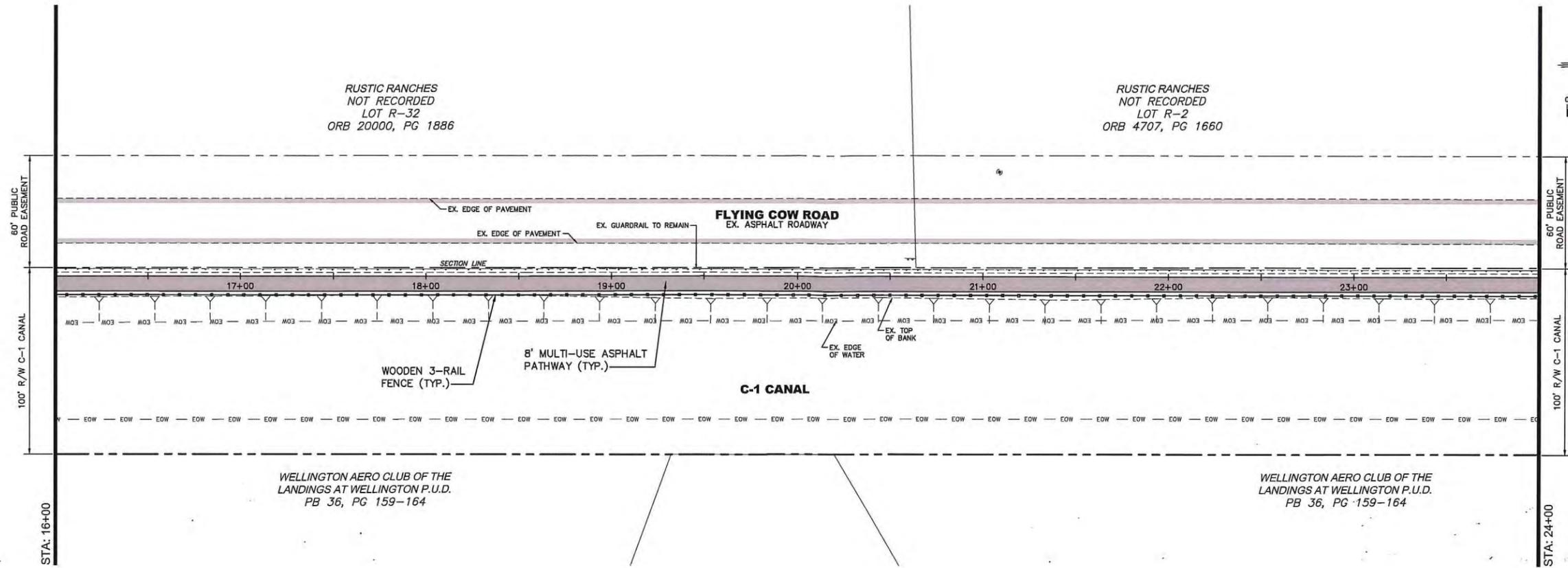
**FDOT DETAILS FOR WELLINGTON ENVIRONMENTAL PRESERVE GREENWAY PROJECT**  
 THE VILLAGE OF WELLINGTON  
 Engineering Department  
 12300 Forest Hill Boulevard, Wellington, Florida 33414

DATE	02 / 2014	DATE	02 / 2014
DRAWN	PFB	CHECKED	DF
PROJECT ENGINEER	PFB	PROJECT MANAGER	JRR
PROJECT MANAGER	JRR	DESIGNER	DF
DESIGNER	DF	DATE	02 / 2014

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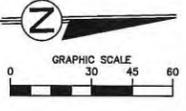
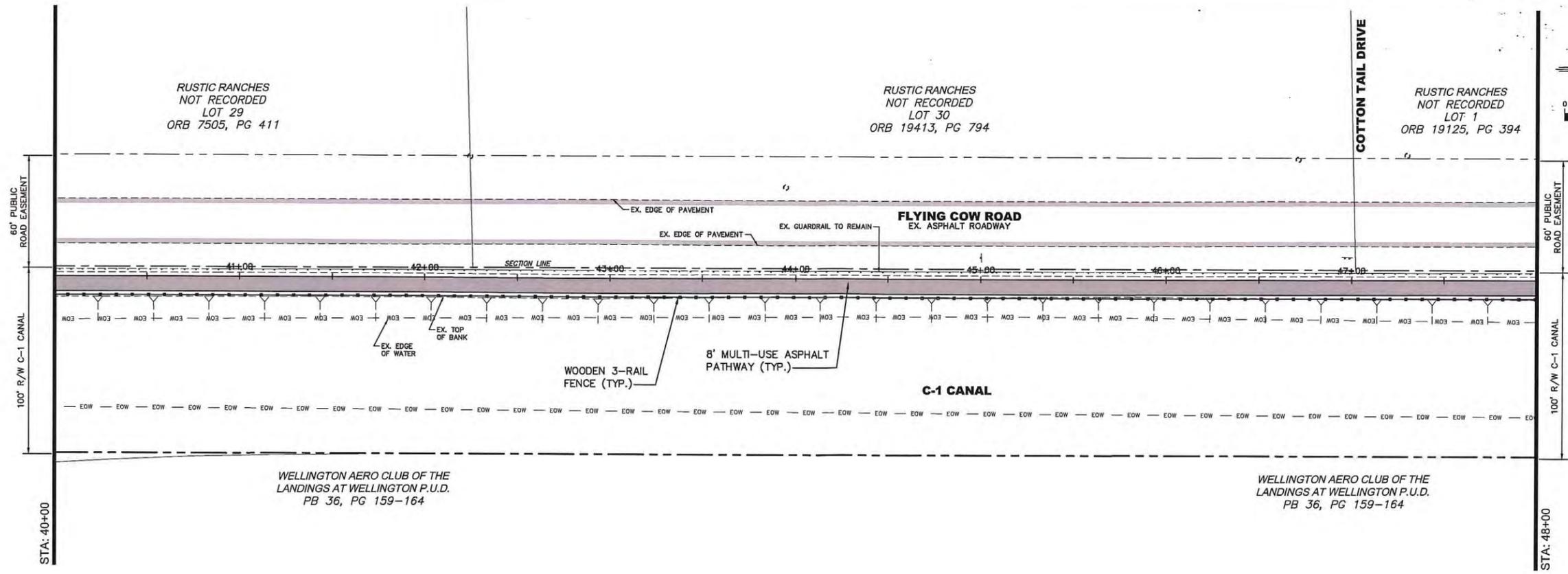
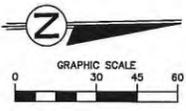
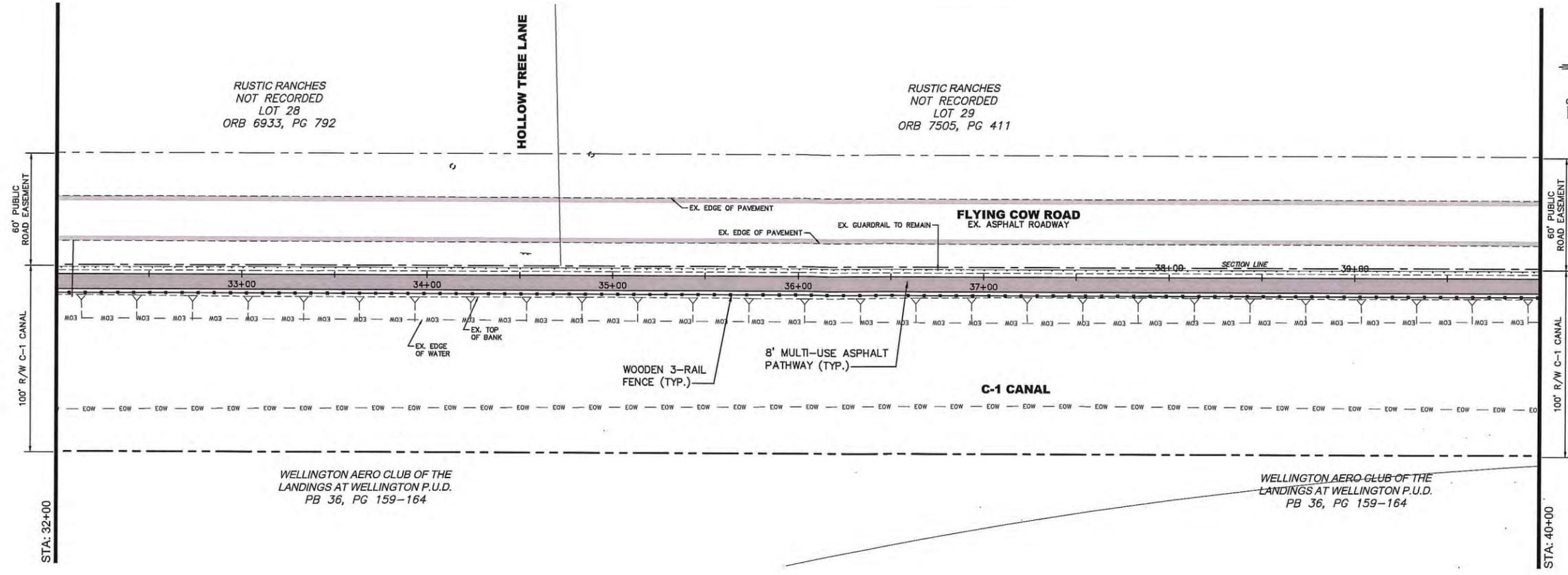
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**LANDSCAPE PLAN FOR**  
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**GREENWAY PROJECT**



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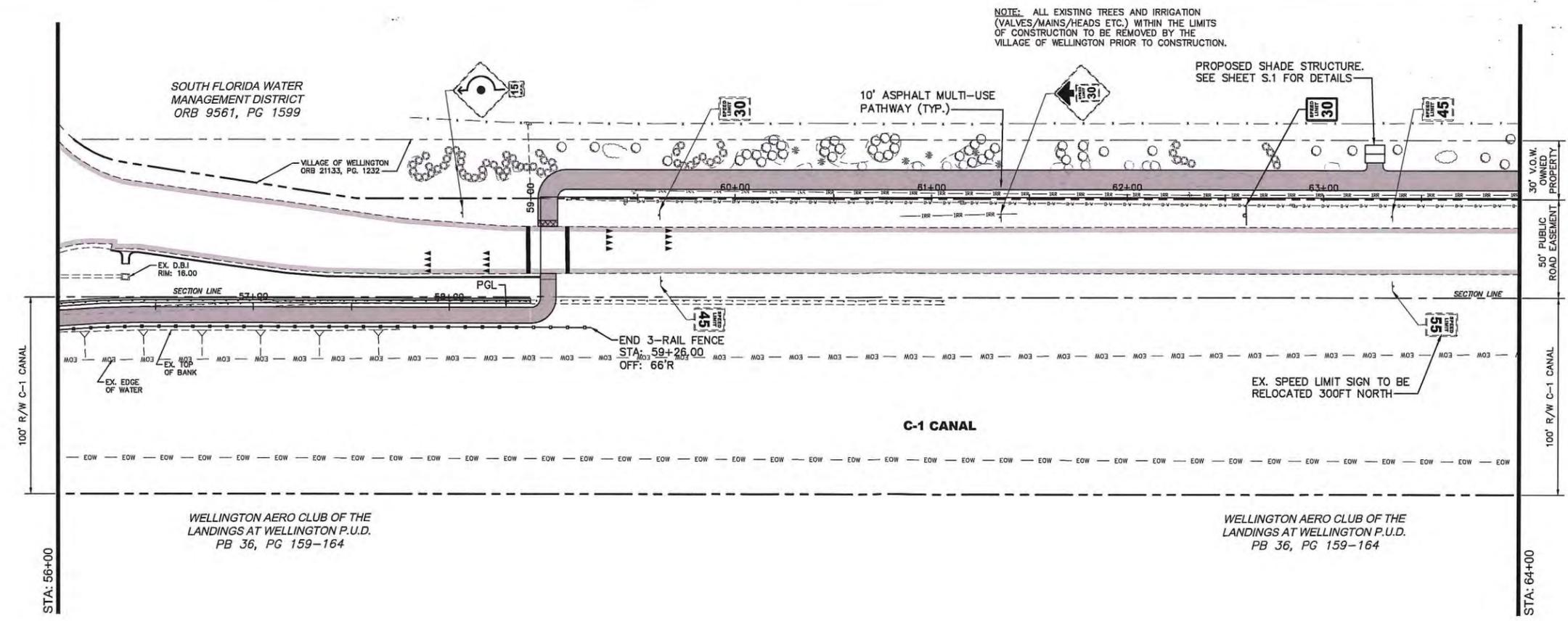
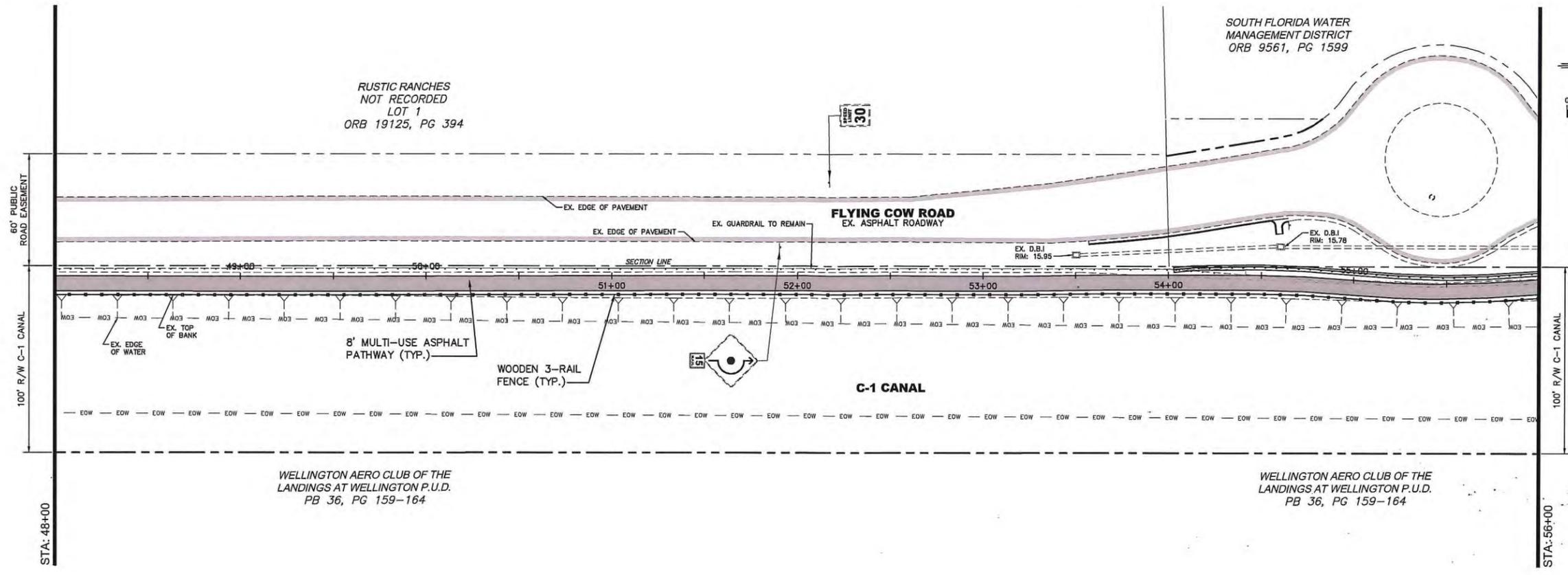
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 PROJECT MANAGER  
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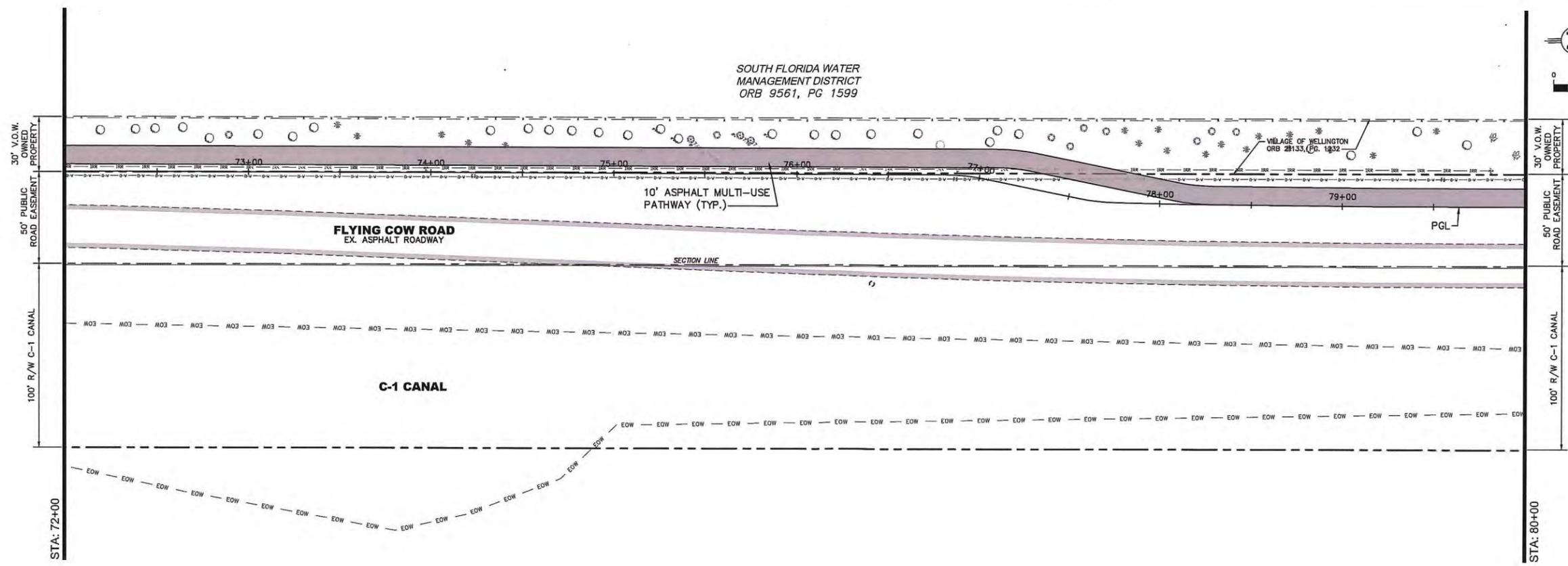
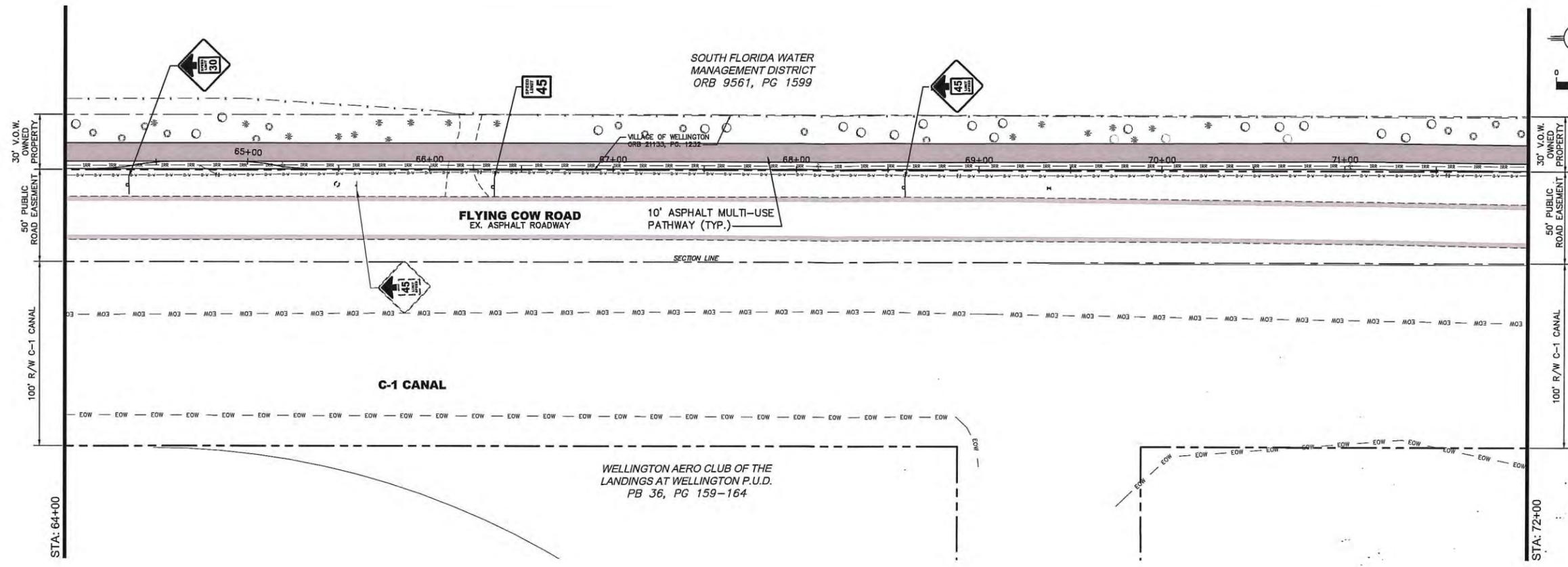
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No. LA000181

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WELLINGTON ENVIRONMENTAL PRESERVE  
GREENWAY PROJECT



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 P.E. No. LA0001151

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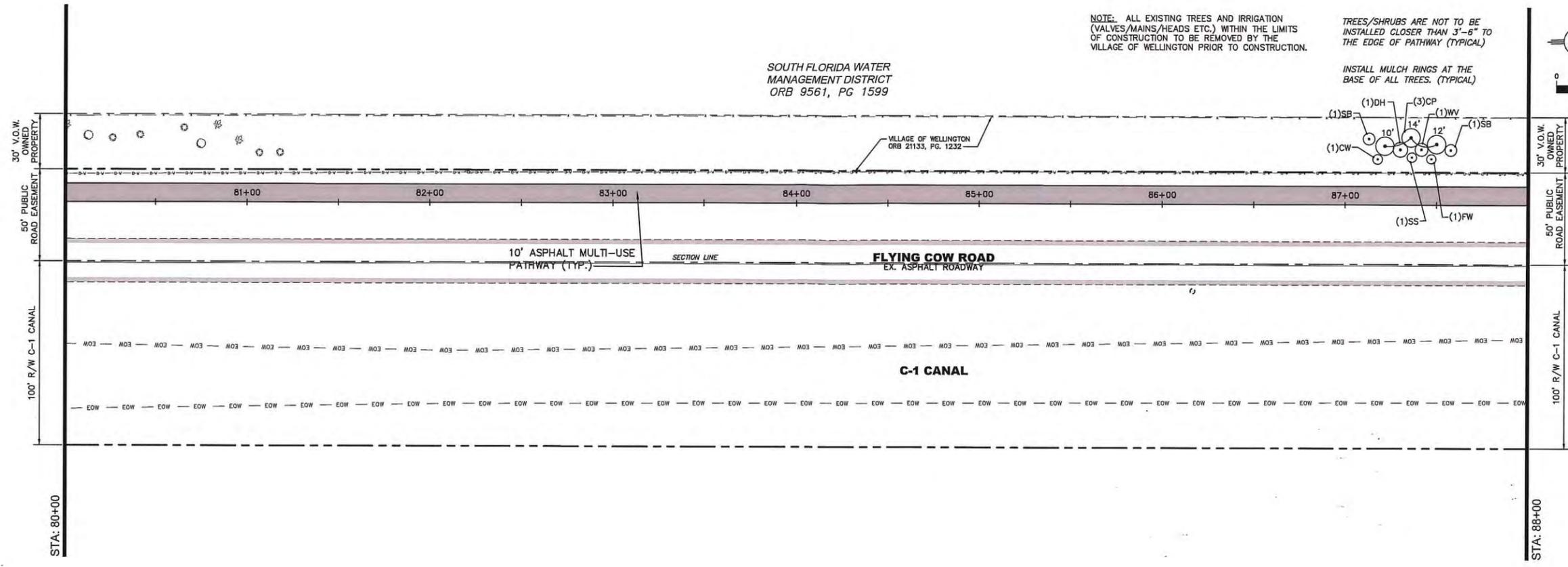
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PROJECT MANAGER	JRR
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W:\DEPARTMENTS\ENGINEERING\0\_CAD\0\_PROJECTS\LAYING\000\_MU\_PATHWAY\FLYING\_COW\_MU\_PATHWAY\PCR\_L15.DWG

NOTE: ALL EXISTING TREES AND IRRIGATION (VALVES/MAINS/HEADS ETC.) WITHIN THE LIMITS OF CONSTRUCTION TO BE REMOVED BY THE VILLAGE OF WELLINGTON PRIOR TO CONSTRUCTION.

TREES/SHRUBS ARE NOT TO BE INSTALLED CLOSER THAN 3'-6" TO THE EDGE OF PATHWAY (TYPICAL)  
 INSTALL MULCH RINGS AT THE BASE OF ALL TREES. (TYPICAL)



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 ORB 9561, PG 1599

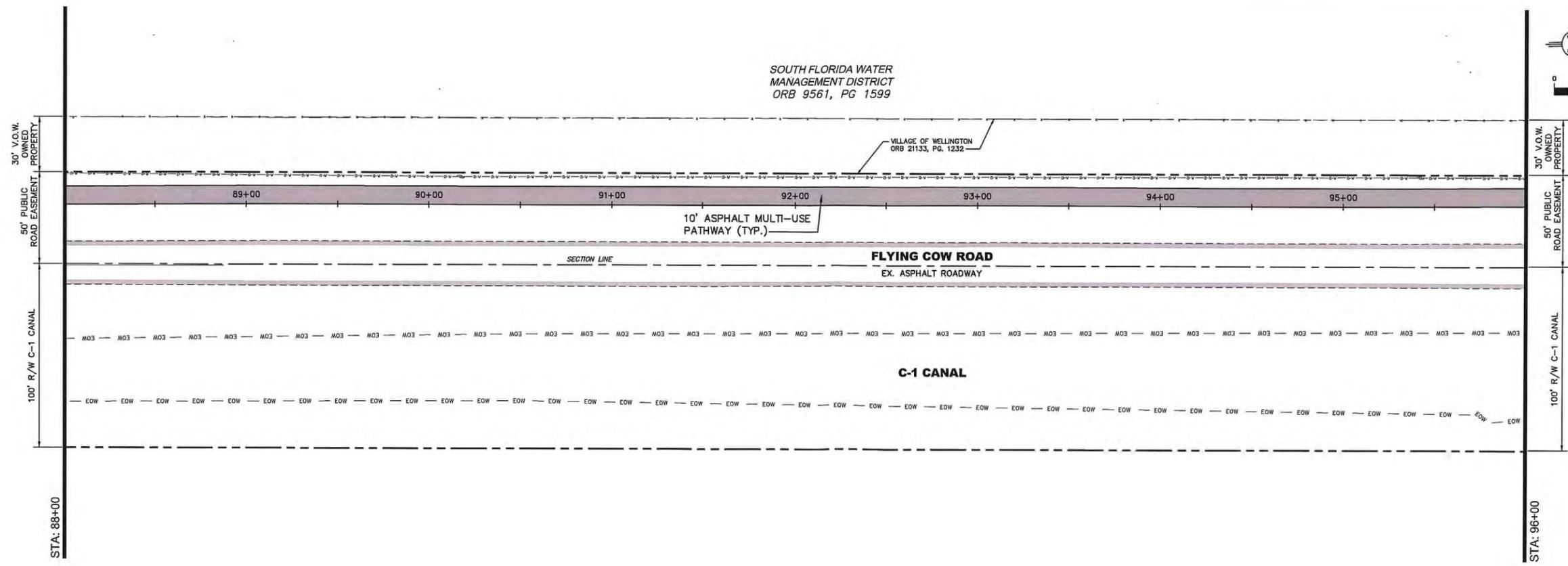
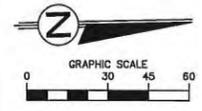
**FLYING COW ROAD**  
 EX. ASPHALT ROADWAY

**C-1 CANAL**

30' V.O.W. OWNED PROPERTY  
 50' PUBLIC ROAD EASEMENT  
 100' R/W C-1 CANAL  
 STA: 80+00

30' V.O.W. OWNED PROPERTY  
 50' PUBLIC ROAD EASEMENT  
 100' R/W C-1 CANAL  
 STA: 88+00

SOUTH FLORIDA WATER MANAGEMENT DISTRICT  
 ORB 9561, PG 1599



10' ASPHALT MULTI-USE PATHWAY (TYP.)

**FLYING COW ROAD**  
 EX. ASPHALT ROADWAY

**C-1 CANAL**

30' V.O.W. OWNED PROPERTY  
 50' PUBLIC ROAD EASEMENT  
 100' R/W C-1 CANAL  
 STA: 88+00

30' V.O.W. OWNED PROPERTY  
 50' PUBLIC ROAD EASEMENT  
 100' R/W C-1 CANAL  
 STA: 96+00

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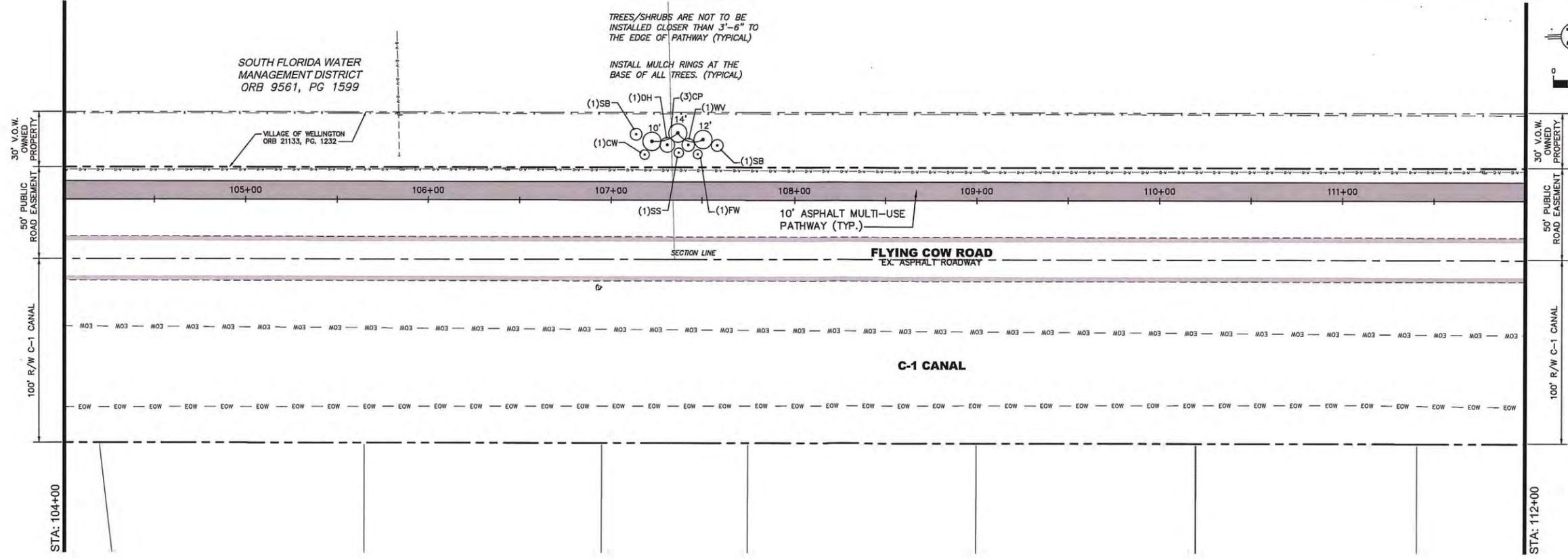
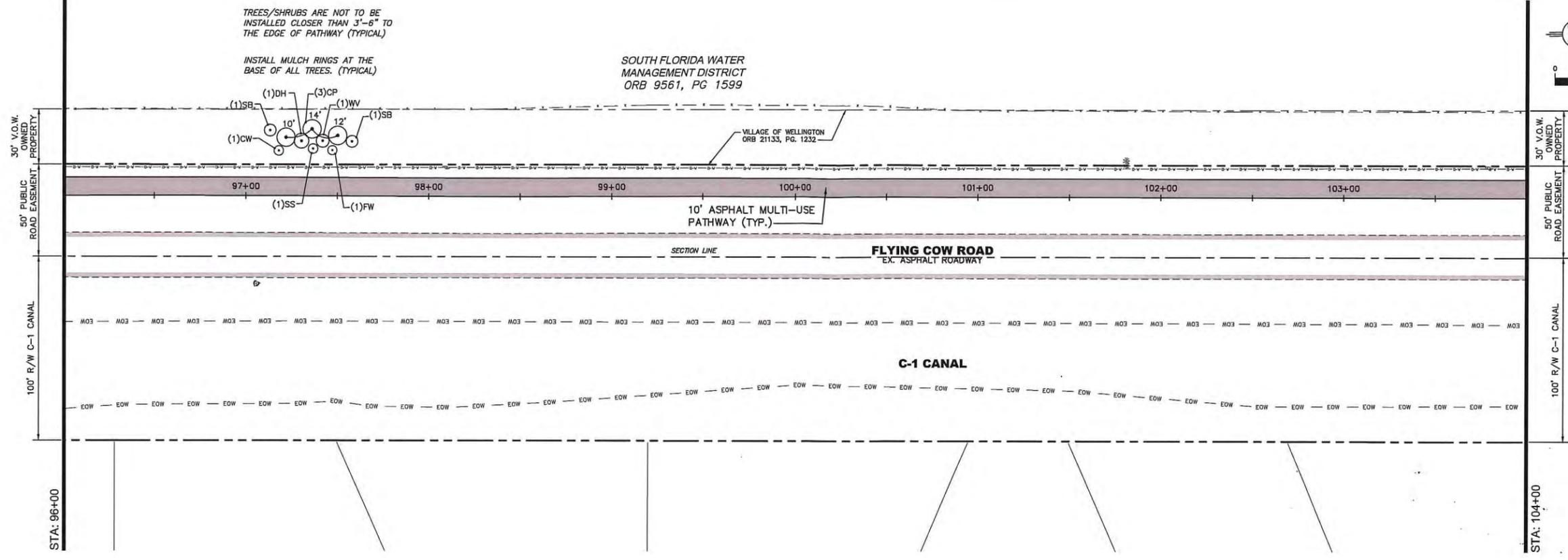
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THE EDGE OF PATHWAY (TYPICAL)

INSTALL MULCH RINGS AT THE  
BASE OF ALL TREES. (TYPICAL)

SOUTH FLORIDA WATER  
MANAGEMENT DISTRICT  
ORB 9561, PG 1599

VILLAGE OF WELLINGTON  
ORB 21133, PG. 1232

10' ASPHALT MULTI-USE  
PATHWAY (TYP.)

SECTION LINE  
FLYING COW ROAD  
EX. ASPHALT ROADWAY

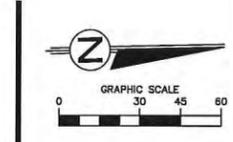
C-1 CANAL

30' V.O.W.  
OWNED  
PROPERTY

50' PUBLIC  
ROAD EASEMENT

100' R/W C-1 CANAL

STA: 96+00

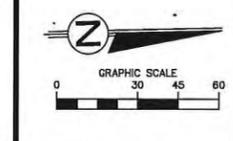


30' V.O.W.  
OWNED  
PROPERTY

50' PUBLIC  
ROAD EASEMENT

100' R/W C-1 CANAL

STA: 104+00



SOUTH FLORIDA WATER  
MANAGEMENT DISTRICT  
ORB 9561, PG 1599

TREES/SHRUBS ARE NOT TO BE  
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INSTALL MULCH RINGS AT THE  
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VILLAGE OF WELLINGTON  
ORB 21133, PG. 1232

10' ASPHALT MULTI-USE  
PATHWAY (TYP.)

SECTION LINE  
FLYING COW ROAD  
EX. ASPHALT ROADWAY

C-1 CANAL

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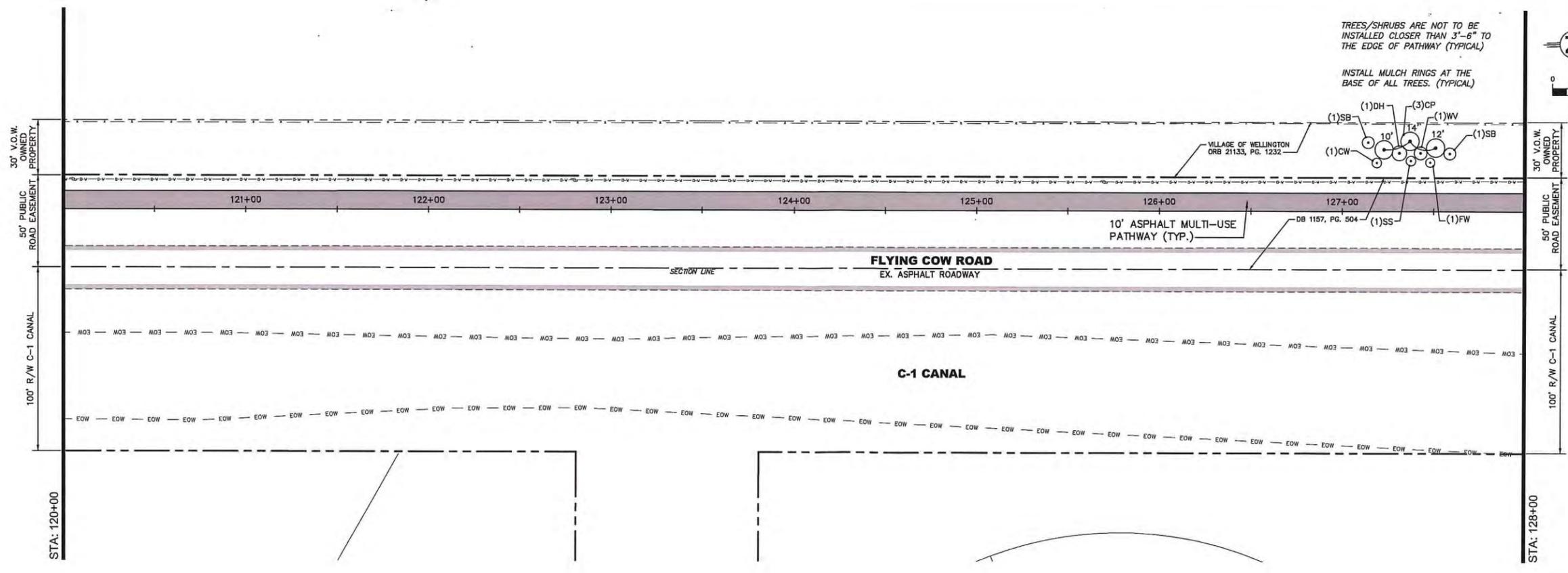
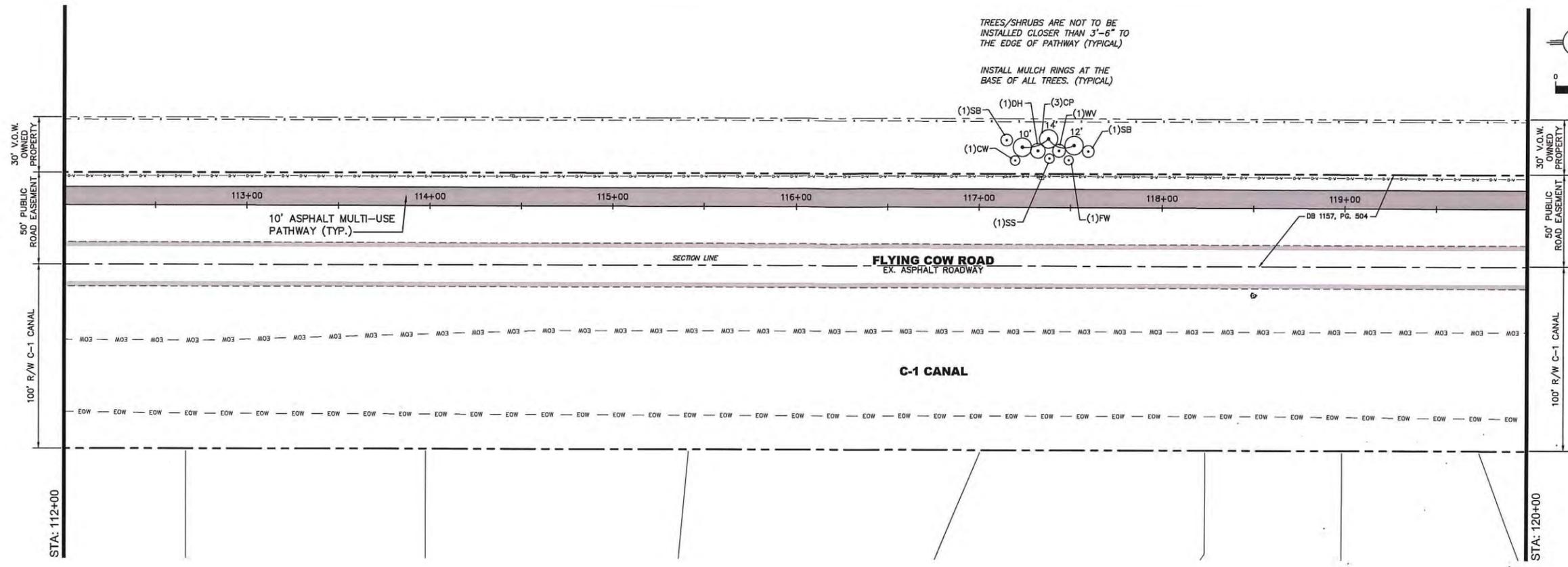
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LANDSCAPE PLAN  
FOR  
WELLINGTON ENVIRONMENTAL PRESERVE  
GREENWAY PROJECT



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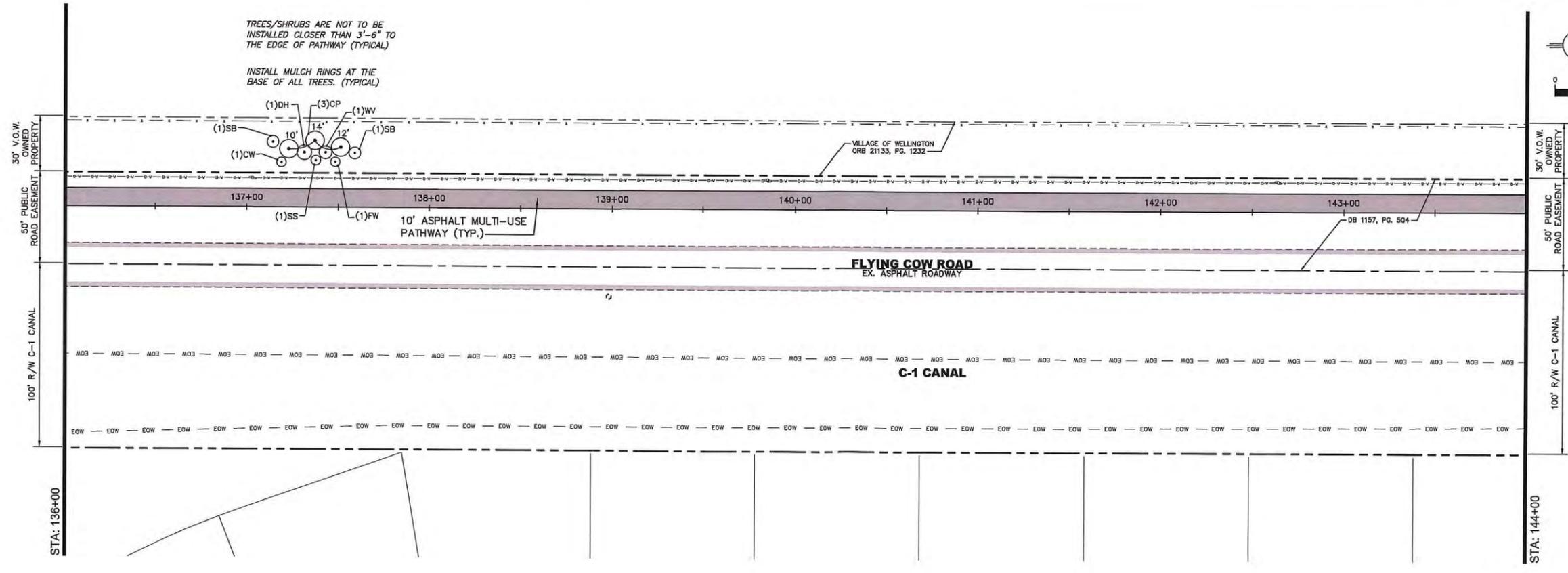
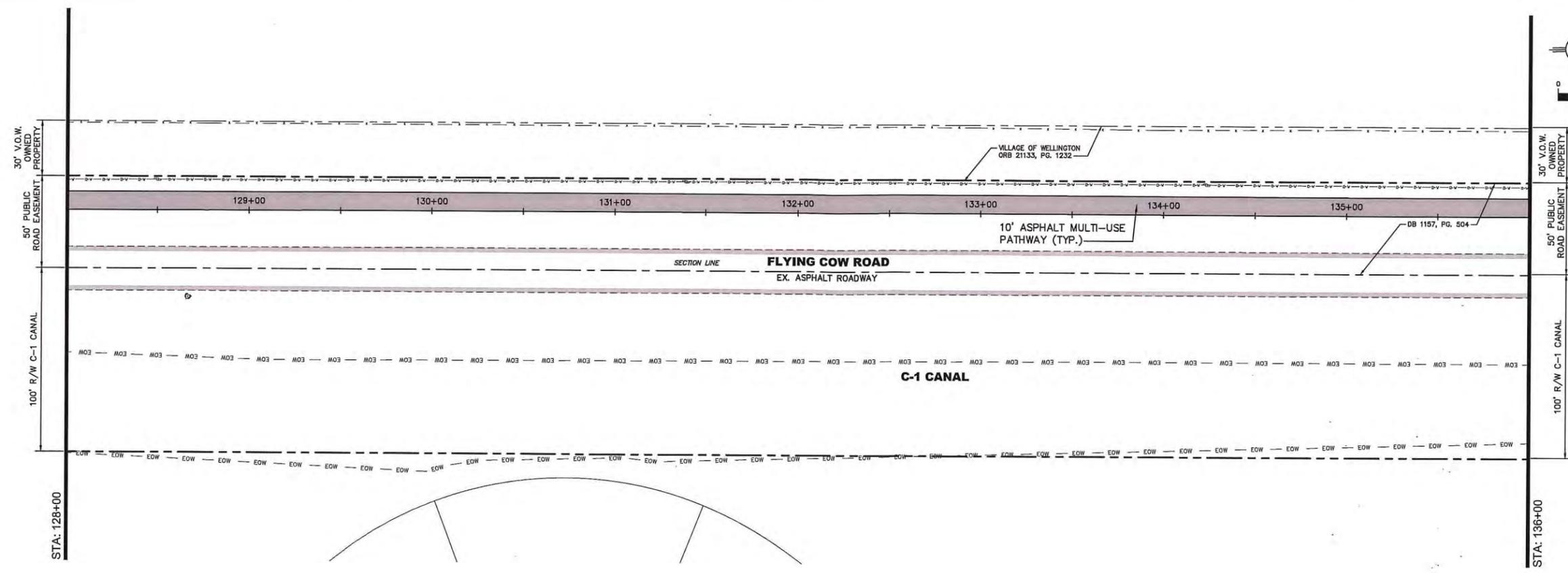
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LANDSCAPE PLAN  
 FOR  
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 GREENWAY PROJECT



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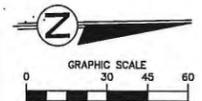
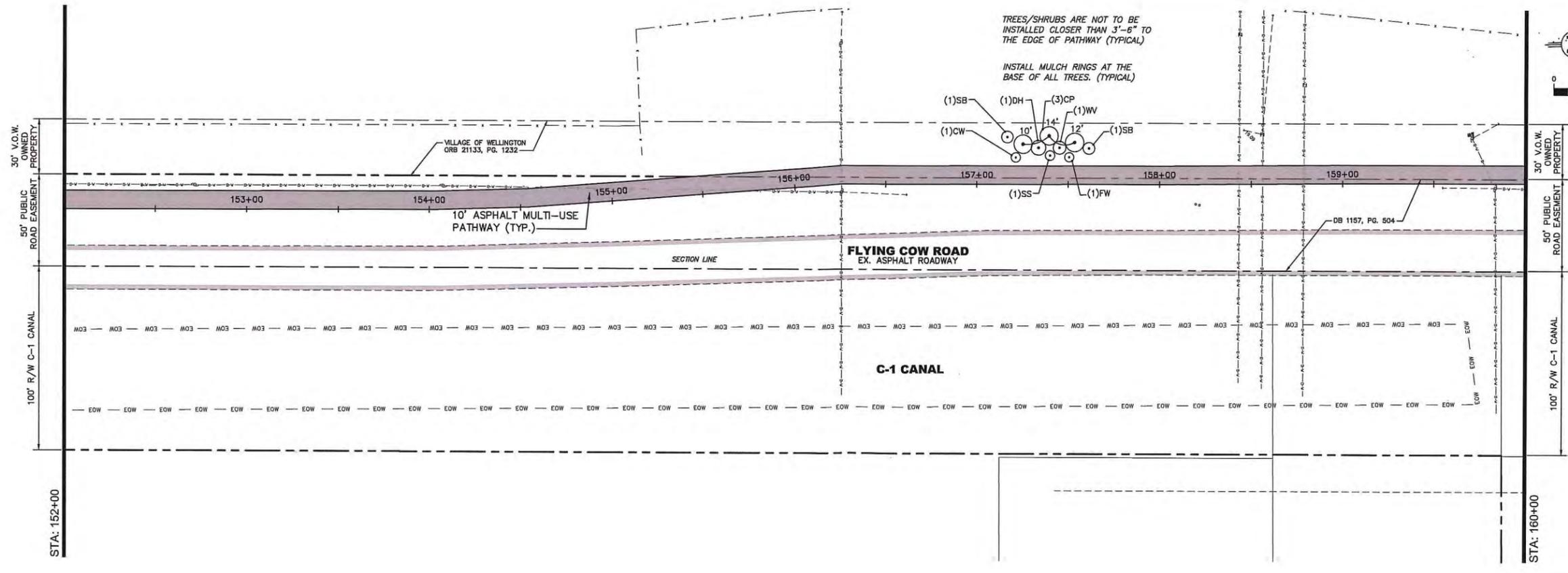
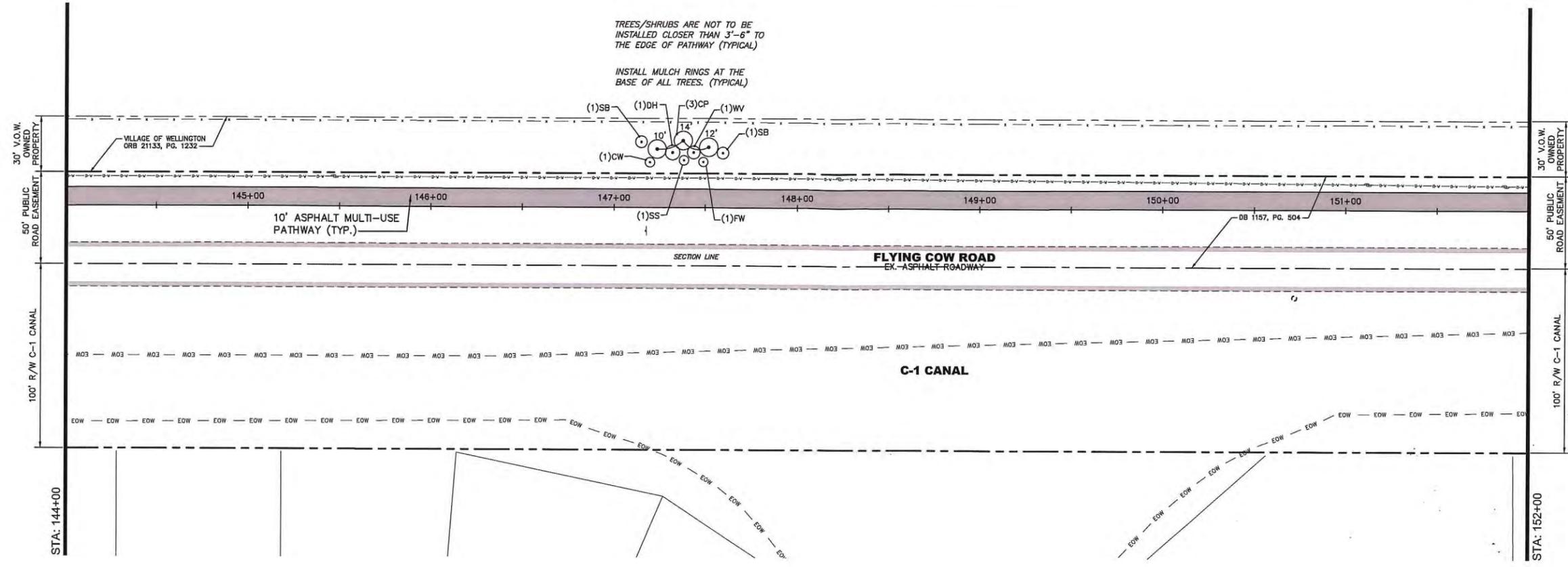
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 PLANNING  
 No. LA000151

**LANDSCAPE PLAN**  
 FOR  
**WELLINGTON ENVIRONMENTAL PRESERVE**  
**GREENWAY PROJECT**



DATE	02 / 2014
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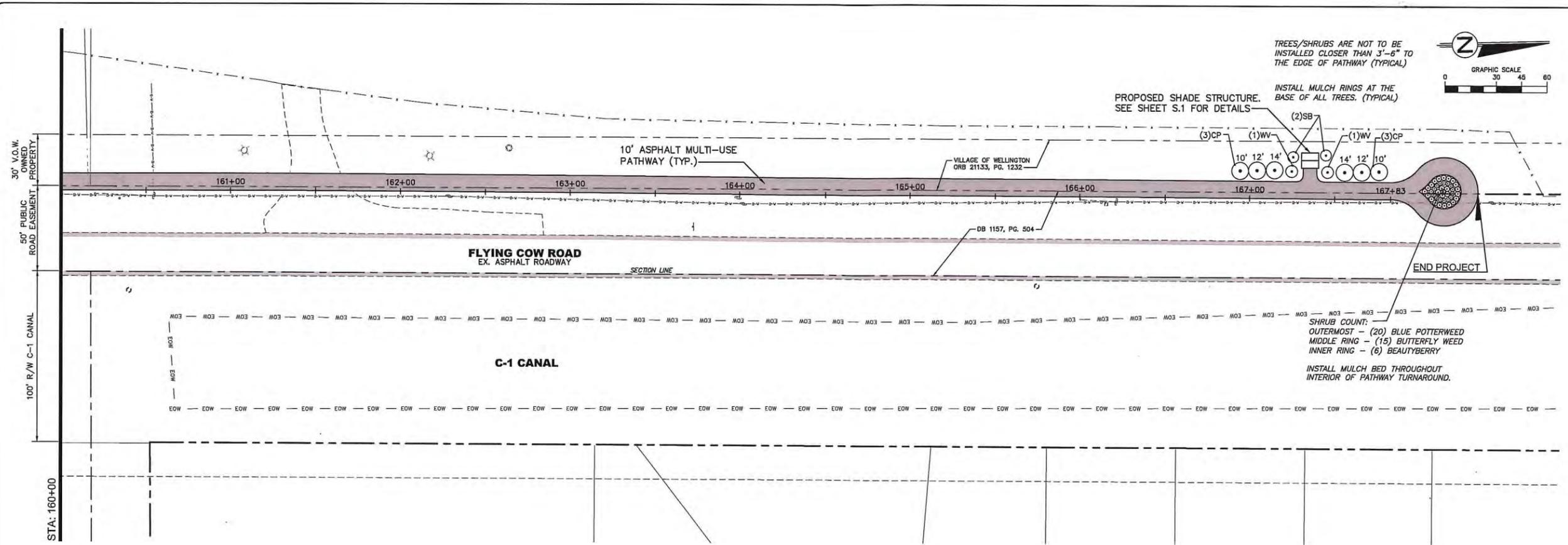
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 P.E.  
 No. 1400151

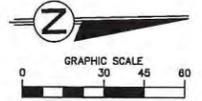
**LANDSCAPE PLAN  
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 GREENWAY PROJECT**



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TREES/SHRUBS ARE NOT TO BE INSTALLED CLOSER THAN 3'-6" TO THE EDGE OF PATHWAY (TYPICAL)



PROPOSED SHADE STRUCTURE. SEE SHEET S.1 FOR DETAILS.

INSTALL MULCH RINGS AT THE BASE OF ALL TREES. (TYPICAL)

SHRUB COUNT:  
 OUTERMOST - (20) BLUE POTTERWEED  
 MIDDLE RING - (15) BUTTERFLY WEED  
 INNER RING - (6) BEAUTYBERRY

INSTALL MULCH BED THROUGHOUT INTERIOR OF PATHWAY TURNAROUND.

**PLANT LIST**

KEY	APPROX. QUANTITY	DESCRIPTION	HEIGHT	SPREAD	SPACING	COMMENTS	NATIVE
<b>TREES</b>							
CP	38	SABAL PALMETTO (CABBAGE PALM)	10', 12', 14' CLEAR WOOD SEE PLANS	-----	-----	HEIGHTS LISTED ARE CLEAR WOOD	YES
CW	8	GYMNANTHES LUCIDA (CRABWOOD)	8'	4'	-----	SINGLE TRUNK, 25 GAL. CONTAINER MINIMUM	YES
DH	8	ILEX CASSINE (DAHOON HOLLY)	10'	5'	-----	SINGLE TRUNK, 5' C.W. 45 GAL. CONTAINER MINIMUM	YES
WV	10	VIBURNUM OBOVATUM (WALTER'S VIBURNUM)	8'	5'	-----	SINGLE TRUNK, 25 GALLON CONTAINER MINIMUM	YES
SB	22	CONOCARPUS ERECTUS VARIETY 'SERICEUS' (SILVER BUTTWOOD)	10'	6'x6'	-----	STANDARDS, 5' C.W., 45 GALLON CONTAINER MINIMUM, TREES MUST BE SELF SUPPORTING, DENSE FULL CANOPY	YES
SS	8	MYRCIANTHES FRAGRANS (SIMPSON'S STOPPER)	8'	5'	-----	STANDARDS, 45 GALLON CONTAINER MINIMUM	YES
FW	10	CITHREXYLUM SPINOSUM (FIDDLE WEED)	8'	5'	-----	SINGLE TRUNK, 2" MIN. CALIPER 25 GALLON CONTAINER MINIMUM	YES
<b>SHRUBS</b>							
BB	6	CALLICARPA AMERICANA (BEAUTYBERRY)	36"	24"	3' OC	7 GAL. MIN., FULL TO GROUND	YES
BW	15	ASCLEPIAS TUBEROSA (BUTTERFLY WEED)	18"	---	3' OC	3 GAL. MIN.	YES
BP	20	STACHYTARPHETA JAMAICENSIS (BLUE POTTERWEED)	18"	18"	3' OC	3 GAL. MIN.	YES

KEY	APPROX. QUANTITY	DESCRIPTION	HEIGHT	SPREAD	SPACING	COMMENTS	NATIVE
<b>PARTIAL LIST OF MISCELLANEOUS ITEMS</b>							
STS		PREMIUM GOLD MULCH (SOLID COVER MIN. 3" DEPTH). PLANTING SOIL, FERTILIZER, HERBICIDES				90 CY ESTIMATED QTY.	

**LANDSCAPE NOTES / QUANTITIES:**

- ALL QUANTITIES ARE FOR THE USE OF THE VILLAGE OF WELLINGTON ONLY. THE CONTRACTOR SHALL CHECK AND VERIFY ALL PLANT QUANTITIES PRIOR TO BIDDING. PLANT QUANTITIES ON THE PLANTING PLANS SHALL TAKE PRECEDENCE OVER THE QUANTITIES INDICATED ON THE PLANT LIST.
- PRIOR TO BRINGING ANY PLANT MATERIALS TO THE SITE, THE CONTRACTOR SHALL PROVIDE PHOTOGRAPHS OF EACH OF THE TYPES OF PLANT MATERIAL TO BE PROVIDED FOR THE APPROVAL OF THE OWNER AND THE LANDSCAPE ARCHITECT. EACH PHOTOGRAPH SHALL BE OF A TYPICAL PLANT FROM THE SPECIFIC BLOCK OF PLANTS TO BE PROVIDED BY THE CONTRACTOR. APPROVED PHOTOGRAPHS WILL SERVE AS THE STANDARD FOR ACCEPTANCE OF OTHER PLANTS OF THE SAME SPECIES DELIVERED TO THE SITE.
- FOR SHRUB PHOTOGRAPHS, A RULER OR MEASURING STICK SHALL BE INCLUDED IN THE PHOTOGRAPH TO DOCUMENT THE PLANT HEIGHT AND WIDTH OF THE PLANT MATERIAL.
- CONTRACTOR SHALL GUARANTEE THAT ALL PLANT MATERIAL WILL SURVIVE FOR A PERIOD OF ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE AND SHALL PROVIDE A ONE YEAR WARRANTY FOR THE SAME.
- CONTRACTOR IS RESPONSIBLE FOR THE MAINTENANCE AND WATERING OF ALL PLANT MATERIAL UNTIL FINAL ACCEPTANCE.
- LOCATION OF ALL UTILITIES AND BASE INFORMATION IS APPROXIMATE. CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES AND OBSTRUCTIONS AND COORDINATE WITH THE OWNER PRIOR TO INITIATING INSTALLATION WORK. CONTRACTOR SHALL BE SOLELY RESPONSIBLE TO REPAIR OR REPLACE ANY DAMAGE COMMITTED TO EXISTING ELEMENTS ABOVE OR BELOW GROUND TO ITS ORIGINAL CONDITION AND TO THE SATISFACTION OF THE OWNER.
- CONTRACTOR SHALL FIELD ADJUST LOCATION OF PLANT MATERIAL AS NECESSARY TO AVOID DAMAGE TO EXISTING UNDERGROUND UTILITIES AND/OR EXISTING ABOVE GROUND ELEMENTS. ALL CHANGES REQUIRED SHALL BE COORDINATED WITH THE OWNER.
- CONTRACTOR SHALL FIELD STAKE THE LOCATION OF ALL PLANT MATERIAL PRIOR TO INITIATING INSTALLATION FOR THE REVIEW AND APPROVAL OF THE OWNER.
- ALL MATERIALS, PRODUCTS, AND EQUIPMENT SHALL BE STORED IN AN ORGANIZED FASHION AS DIRECTED BY THE OWNER OR CITY'S REPRESENTATIVE.
- CONTRACTOR SHALL PROTECT EXISTING VEGETATION TO REMAIN BY MEANS APPROVED BY THE OWNER.
- CONTRACTOR SHALL COORDINATE GRADING TO INCUR ADEQUATE SURFACE DRAINAGE TO DRAINAGE STRUCTURES, LAKES OR AS INDICATED. CONTRACTOR MUST APPROVE ALL FINE GRADED AREAS PRIOR TO THE COMMENCEMENT OF PLANTING. ONCE PLANT MATERIAL IS INSTALLED, IF DRAINAGE PROBLEMS EXIST IT IS THE CONTRACTOR'S RESPONSIBILITY TO REMOVE ALL PLANTS IF NEEDED REGRADE AREA AND REPLANT AT NO EXTRA COST.
- SHRUB AND GROUND COVER BED QUANTITIES ARE INDICATED FOR EACH PLANT BED. ALL PLANT QUANTITIES FOR PROPOSALS SHALL BE DERIVED SOLELY FROM DRAWINGS AND SPECIFICATIONS.
- SHRUB AND GROUND COVER SPACING IS INDICATED ON THE PLANT LIST, UNDER 'SPACING'. FOR ALL PLANTS AND SHALL APPLY FOR ALL "MASS PLANTINGS." PLANT ACCENT SHRUBS AND TREES "AS SHOWN" ON LANDSCAPE PLANTING PLANS WHEN INDIVIDUAL PLANTS ARE DELINEATED.
- CONTRACTOR SHALL MULCH ALL NEW PLANT MATERIAL THROUGHOUT AND COMPLETELY TO A DEPTH OF 3".
- ANY SUBSTITUTIONS IN SIZE AND/OR PLANT MATERIAL MUST BE APPROVED BY THE OWNER.

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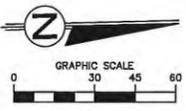
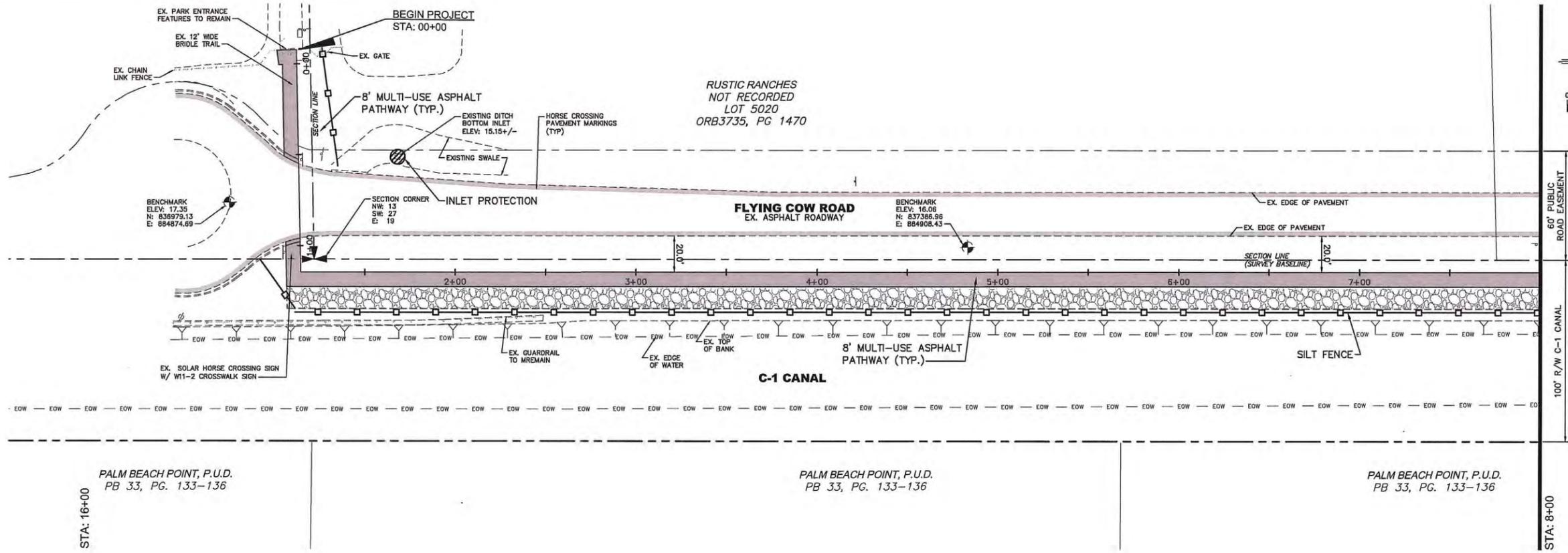
DAVID FUNCHAM  
 PROJECT MANAGER  
 PLS. APPROVE

**LANDSCAPE PLAN FOR WELLINGTON ENVIRONMENTAL PRESERVE GREENWAY PROJECT**



DATE	DRAWN	PROJECT	CHECKED
02 / 2014	PFB	PFB	JRR
			DF

JOB NO. LAP-433196-1



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*William*

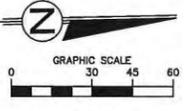
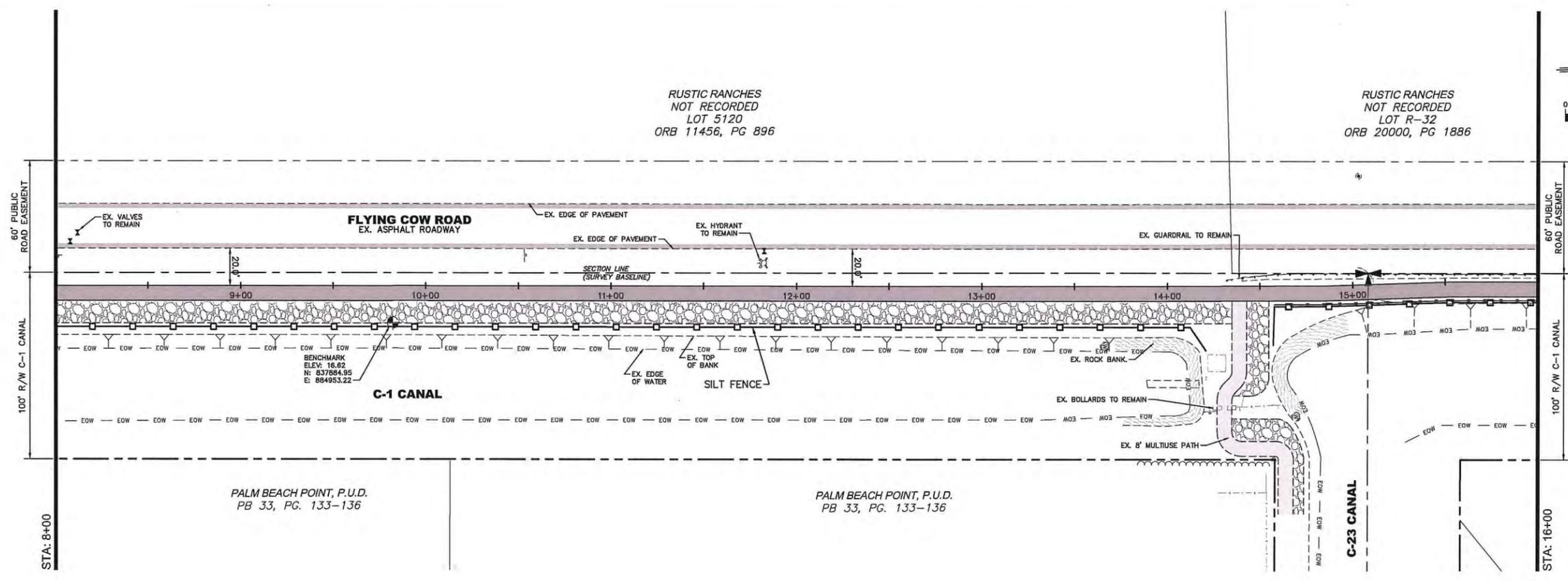
WILLIAM WEDZ, P.E.  
PLANNING ENGINEER  
No. 48597

**STORMWATER POLLUTION PREVENTION PLAN FOR WELLINGTON ENVIRONMENTAL PRESERVE GREENWAY PROJECT**

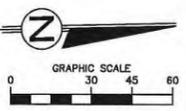
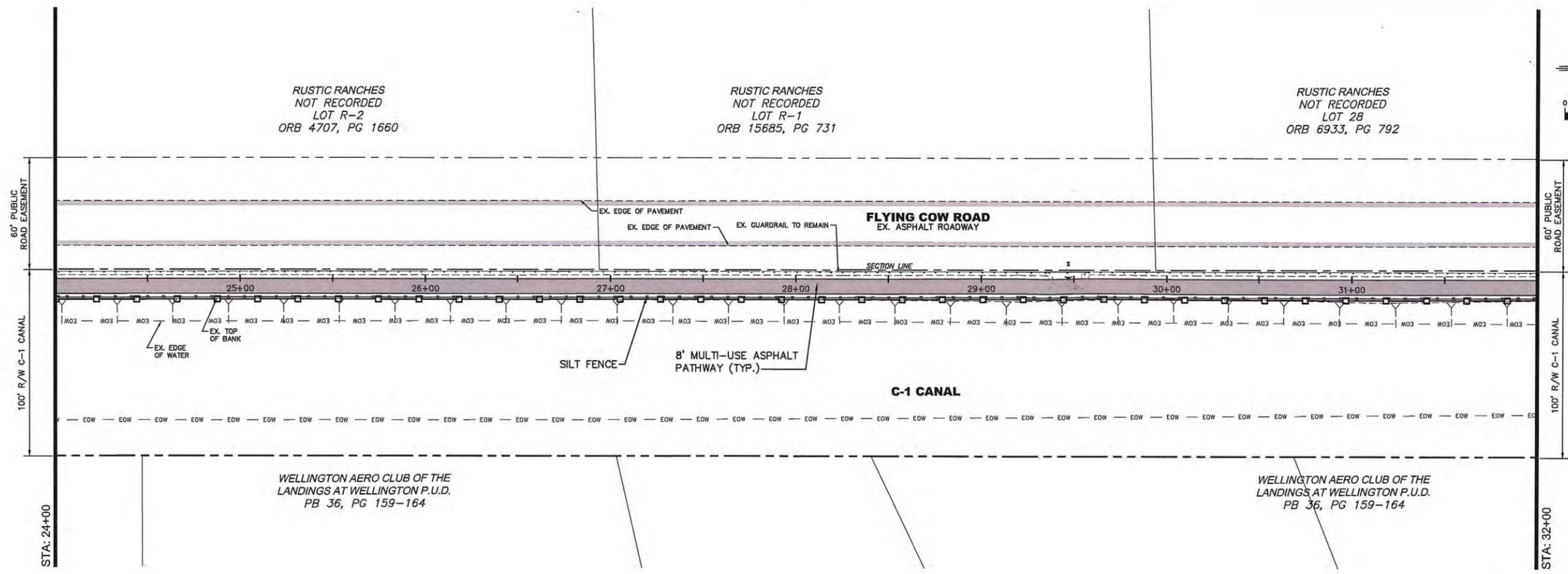
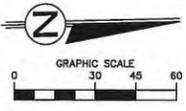
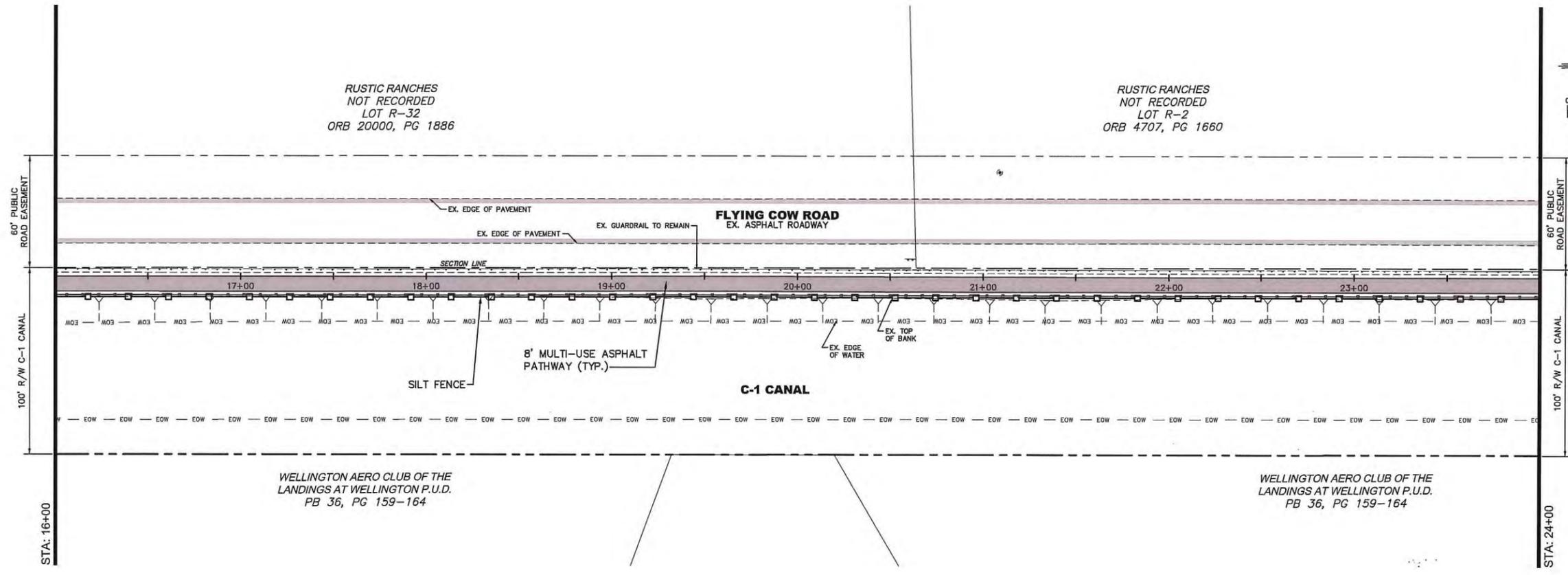


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02 / 2014	JRR	DRAWN
	JRR	PROJECT ENGINEER
	JRR	PROJECT MANAGER
	WJR	CHECKED

JOB NO. LAP-433196-1



100% CONSTRUCTABILITY PLANS



NO.	DATE	REVISIONS	BY
1		10/17/14 100% CONSTRUCTABILITY SUBMITTAL	JRR
2		10/20/14 100% CONSTRUCTABILITY SUBMITTAL	JRR

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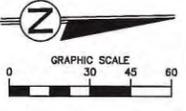
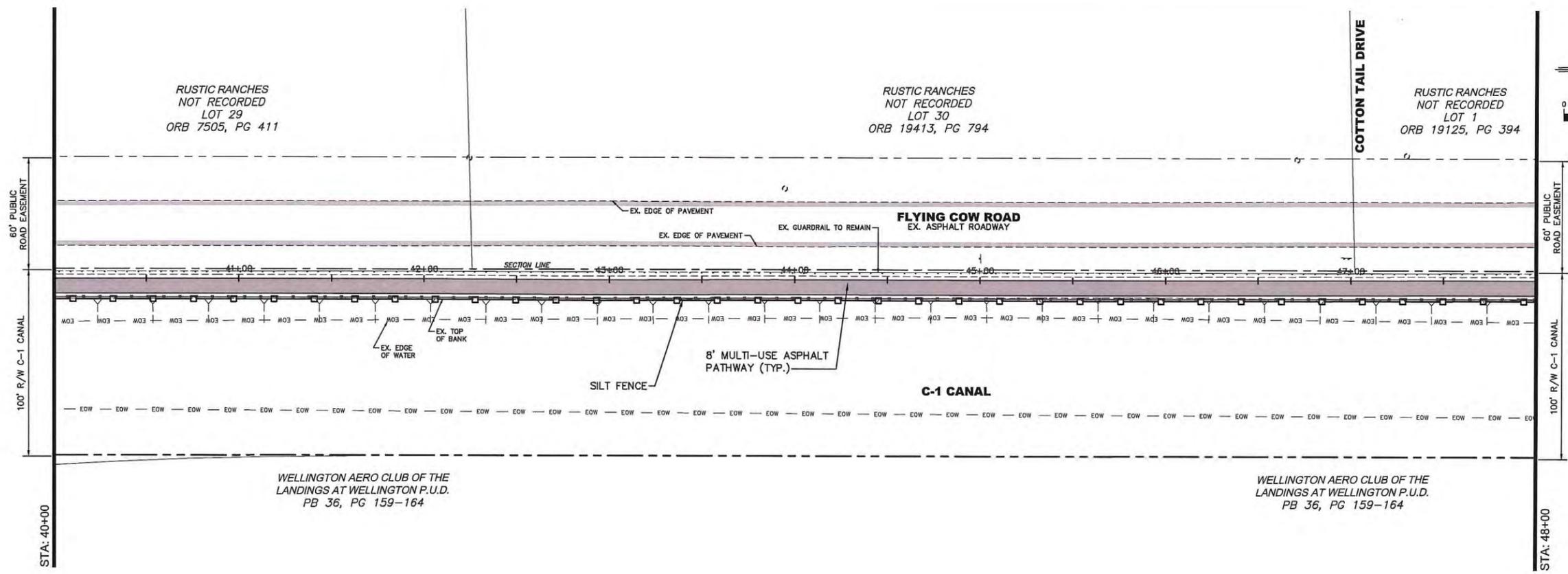
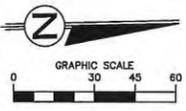
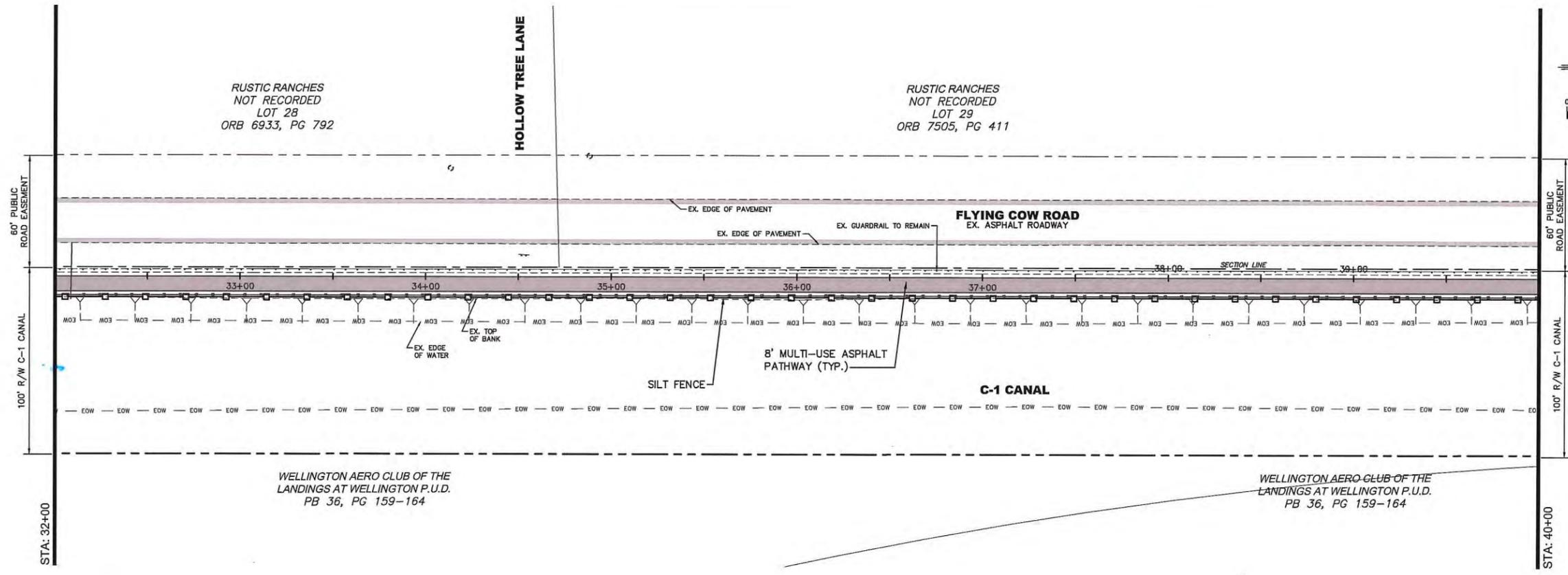
*William H. Hertz, P.E.*  
Professional Engineer  
No. 48597

**STORMWATER POLLUTION PREVENTION PLAN FOR THE VILLAGE OF WELLINGTON ENVIRONMENTAL PRESERVE GREENWAY PROJECT**



DATE	02 / 2014	JRR
DRAWN	JRR	
PROJECT ENGINEER	JRR	
PROJECT MANAGER	JRR	
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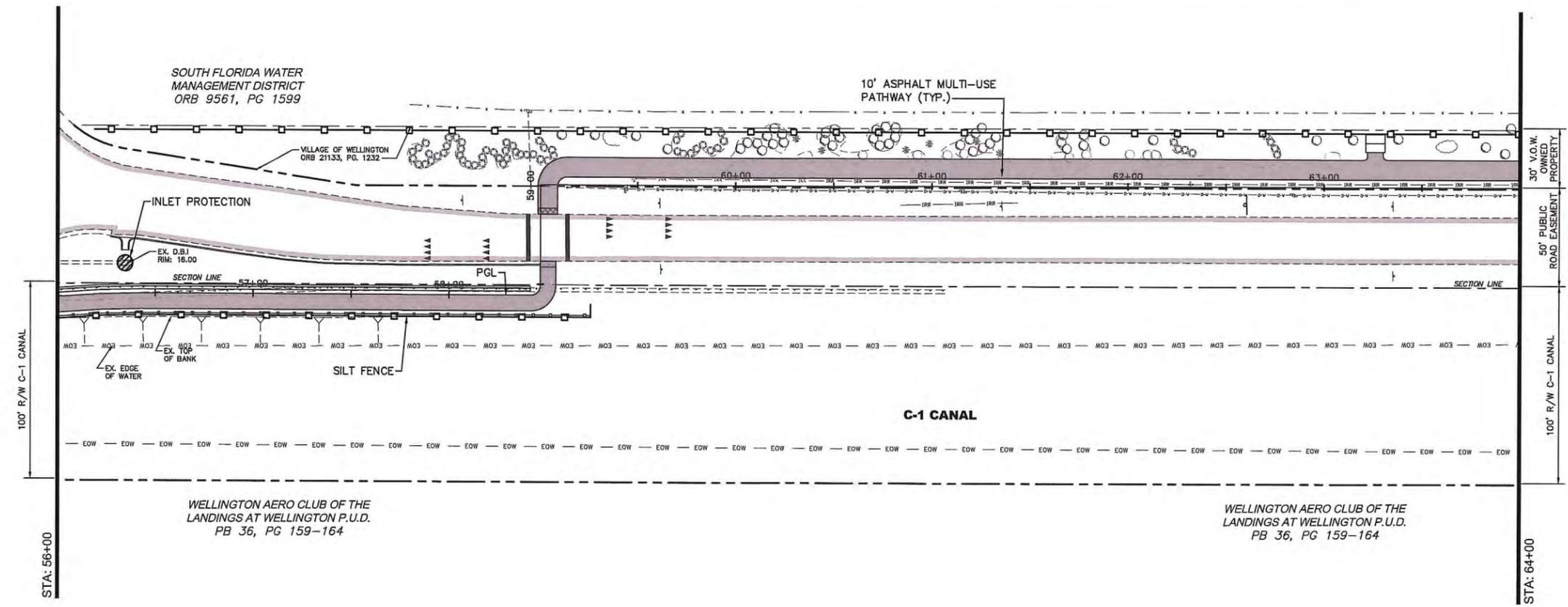
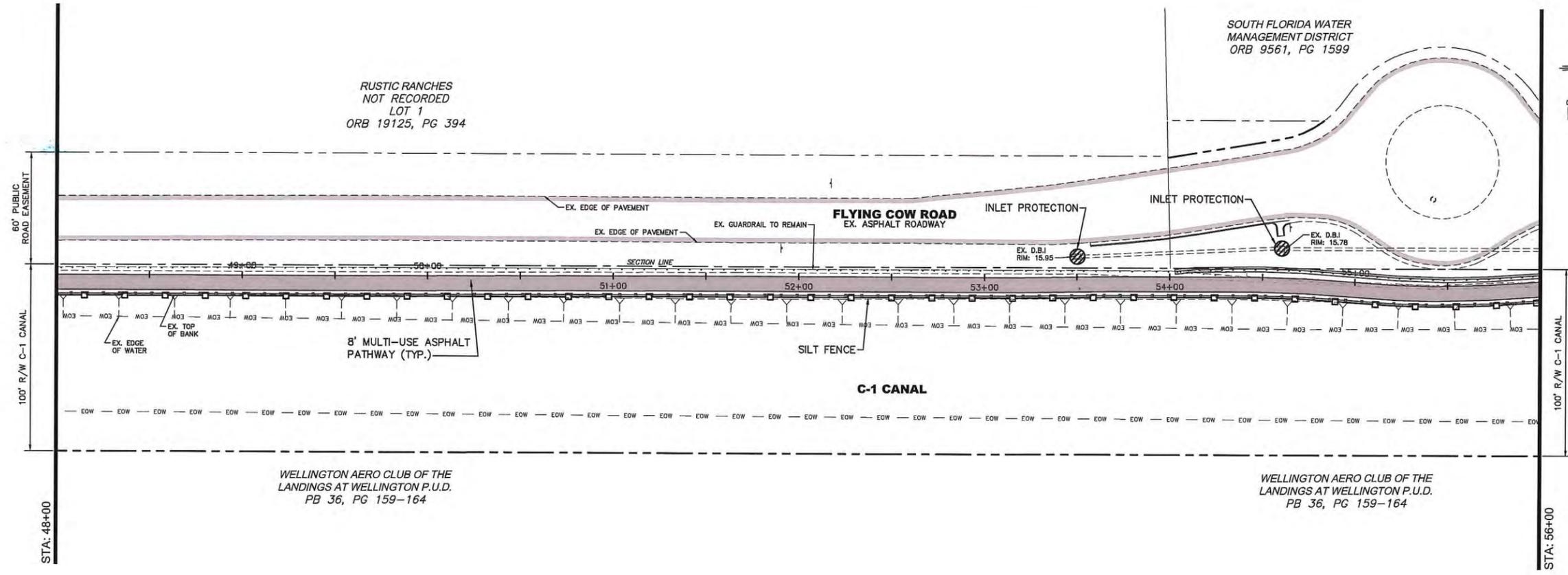
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 WILLIAM REESE, P.E.  
 PROFESSIONAL ENGINEER  
 No. 49597

**STORMWATER POLLUTION PREVENTION PLAN**  
**FOR**  
**WELLINGTON ENVIRONMENTAL PRESERVE**  
**GREENWAY PROJECT**



DATE	DRAWN	PROJECT ENGINEER	MANAGER	CHECKED
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*[Signature]*  
 WILLIAM REBE, P.E.  
 PROJECT ENGINEER  
 No. 48307

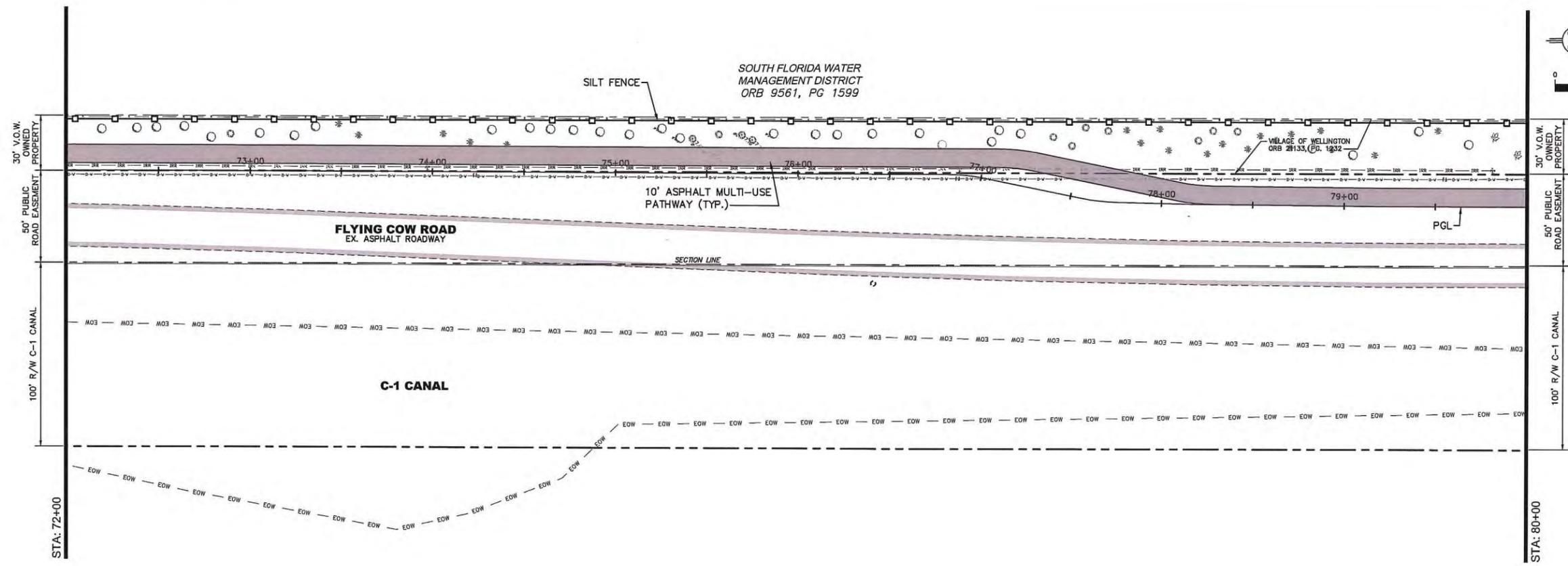
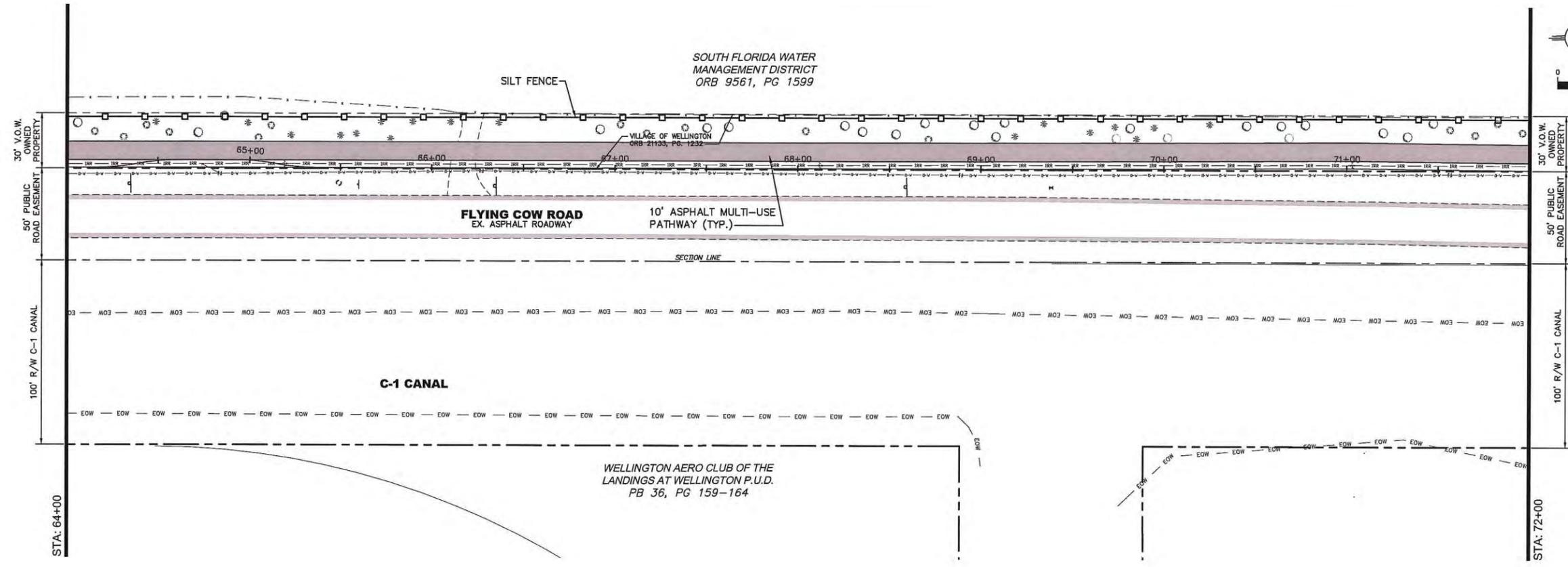
**STORMWATER POLLUTION PREVENTION PLAN  
 FOR  
 WELLINGTON ENVIRONMENTAL PRESERVE  
 GREENWAY PROJECT**



DATE	DRAWN	PROJECT ENGINEER	PROJECT MANAGER	CHECKED
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*William H. Hesse, P.E.*  
 WILLIAM HESSE, P.E.  
 PROFESSIONAL ENGINEER  
 FLORIDA LICENSE NO. 48397

**STORMWATER POLLUTION PREVENTION PLAN  
 FOR  
 WELLINGTON ENVIRONMENTAL PRESERVE  
 GREENWAY PROJECT**



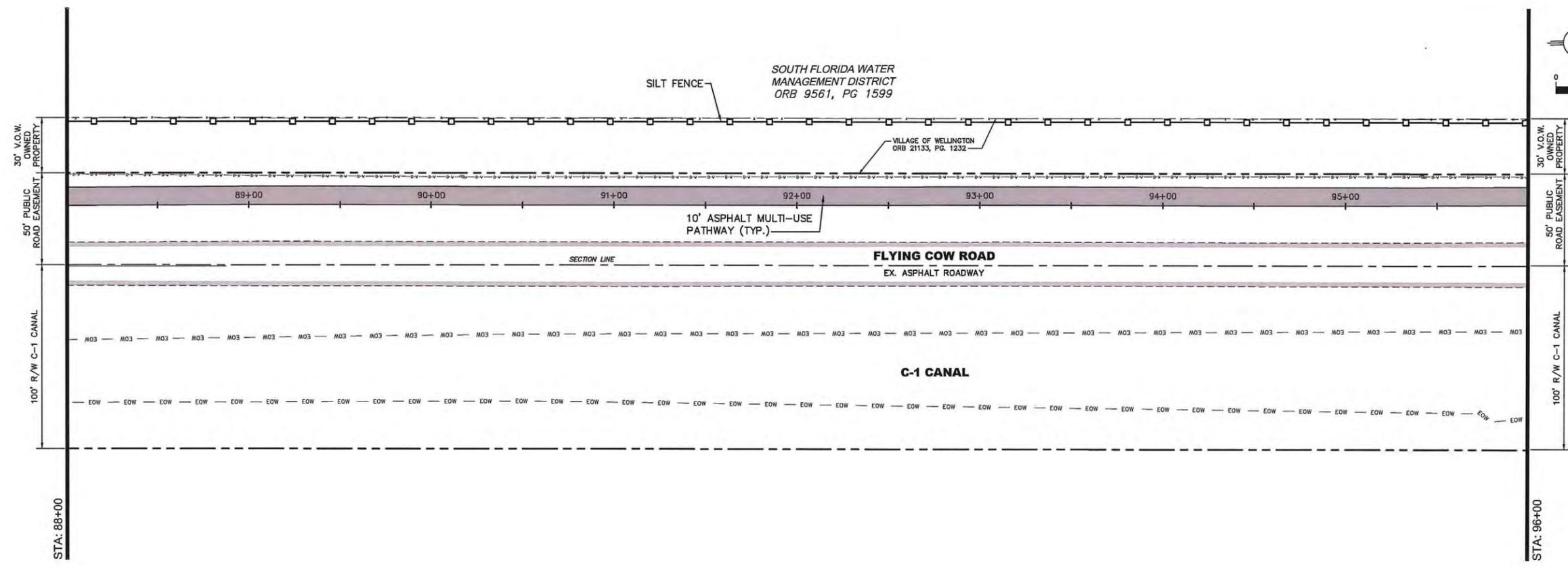
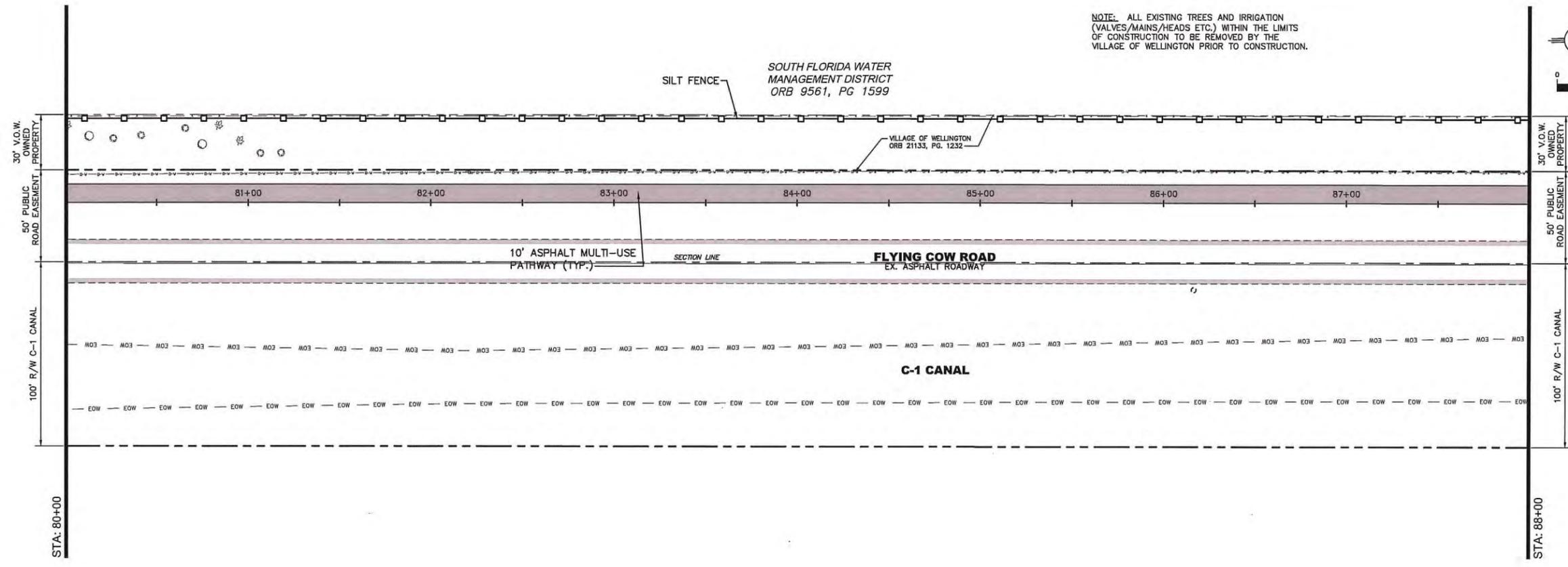
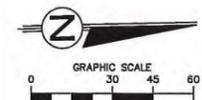
**THE VILLAGE OF  
 WELLINGTON**  
 Engineering Department  
 12300 Forest Hill Boulevard, Wellington, Florida 33414

DATE	BY	CHECKED
02 / 2014	JRR	JRR
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NOTE: ALL EXISTING TREES AND IRRIGATION (VALVES/MAINS/HEADS ETC.) WITHIN THE LIMITS OF CONSTRUCTION TO BE REMOVED BY THE VILLAGE OF WELLINGTON PRIOR TO CONSTRUCTION.



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WILLIAM REESE, P.E.  
 PROFESSIONAL ENGINEER  
 No. 4897

STORMWATER POLLUTION PREVENTION PLAN  
 FOR  
 WELLINGTON ENVIRONMENTAL PRESERVE  
 GREENWAY PROJECT

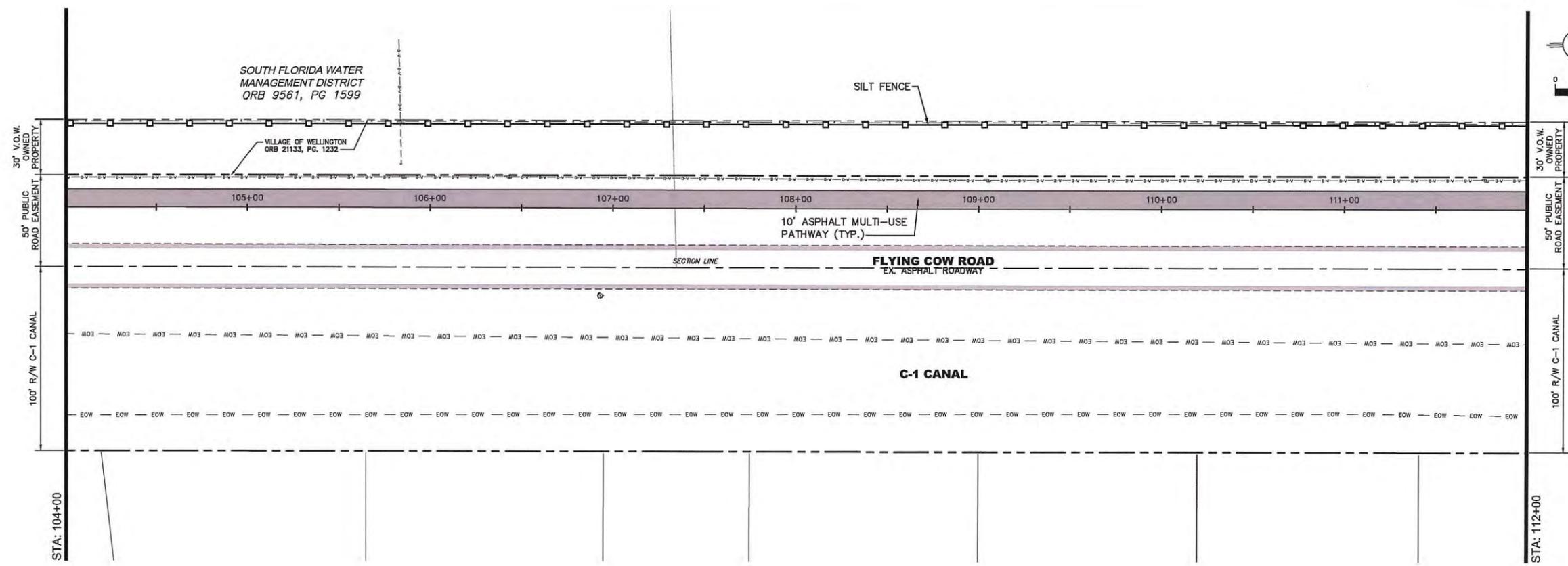
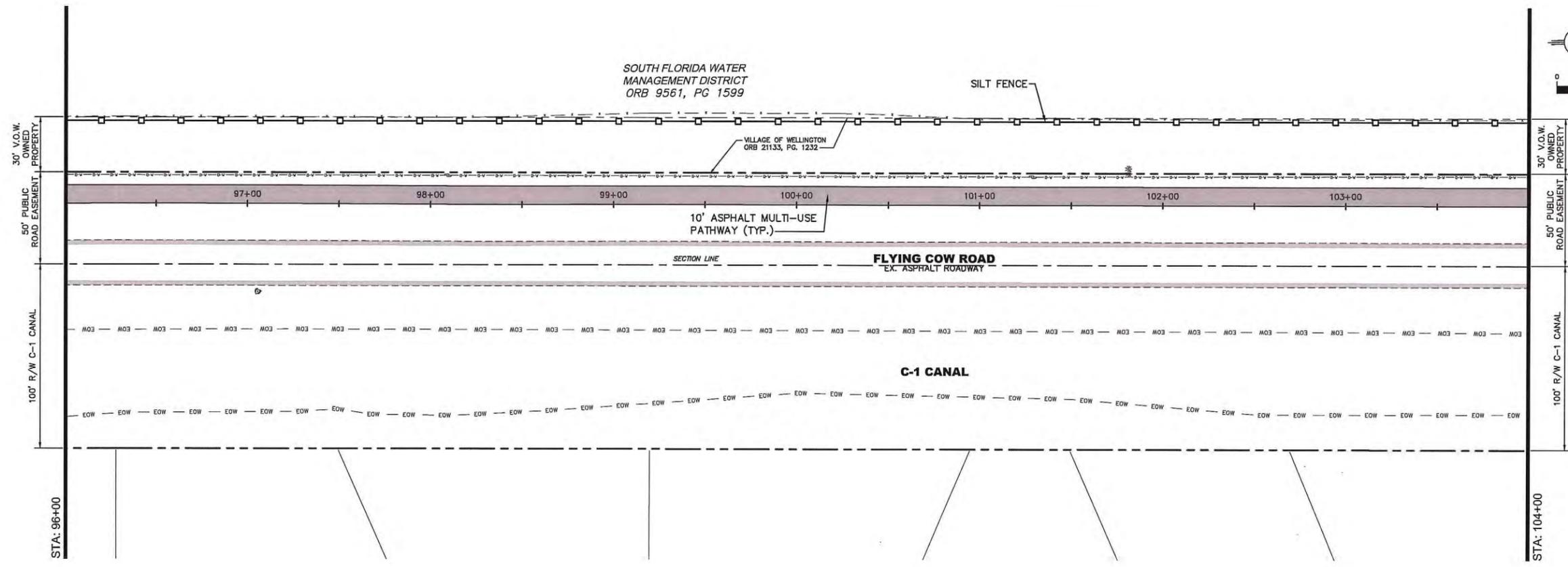


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PROJECT ENGINEER	JRR
PROJECT MANAGER	JRR
CHECKED	WJR

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 PROFESSIONAL ENGINEER  
 No. 48597

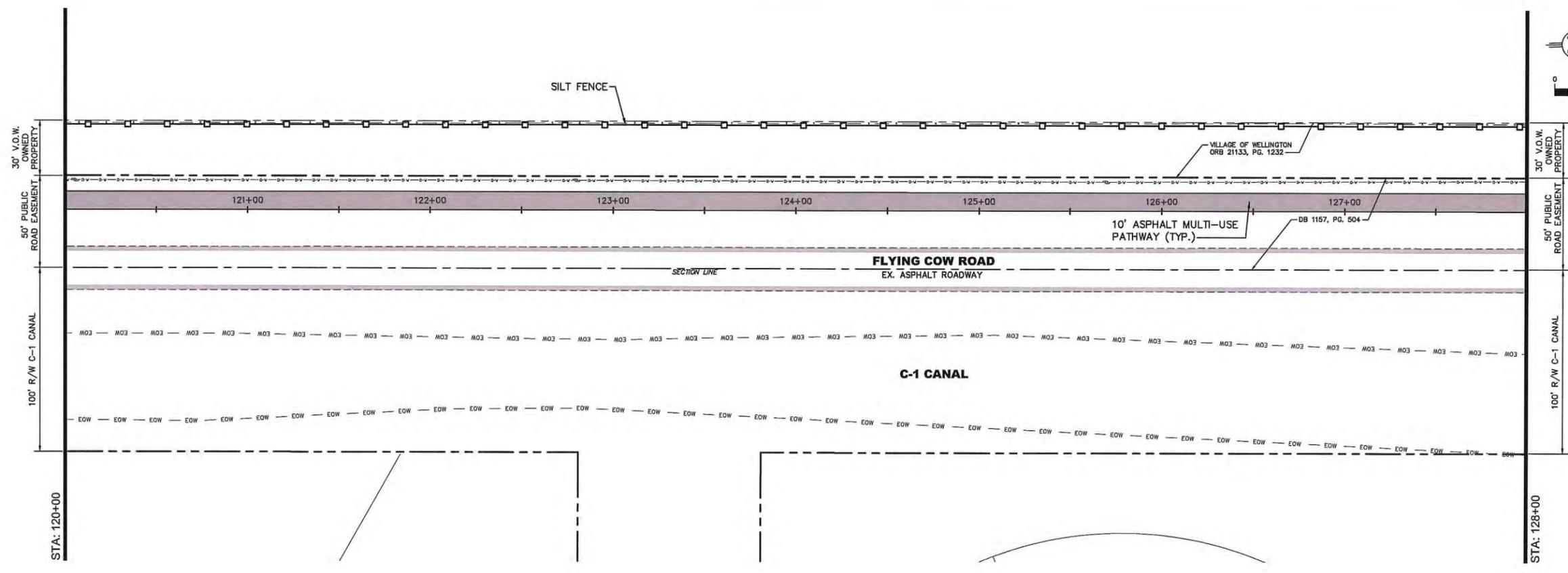
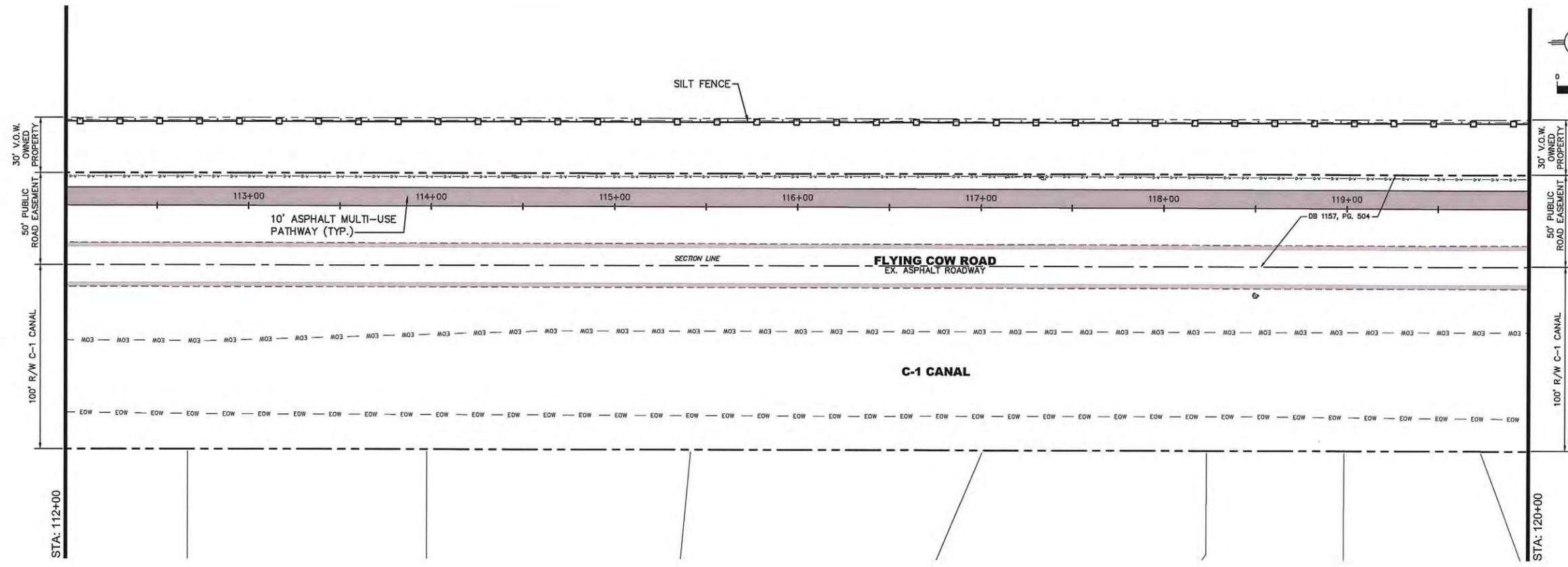
**STORMWATER POLLUTION PREVENTION PLAN**  
**FOR**  
**WELLINGTON ENVIRONMENTAL PRESERVE**  
**GREENWAY PROJECT**



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 PROFESSIONAL ENGINEER  
 NO. 46397

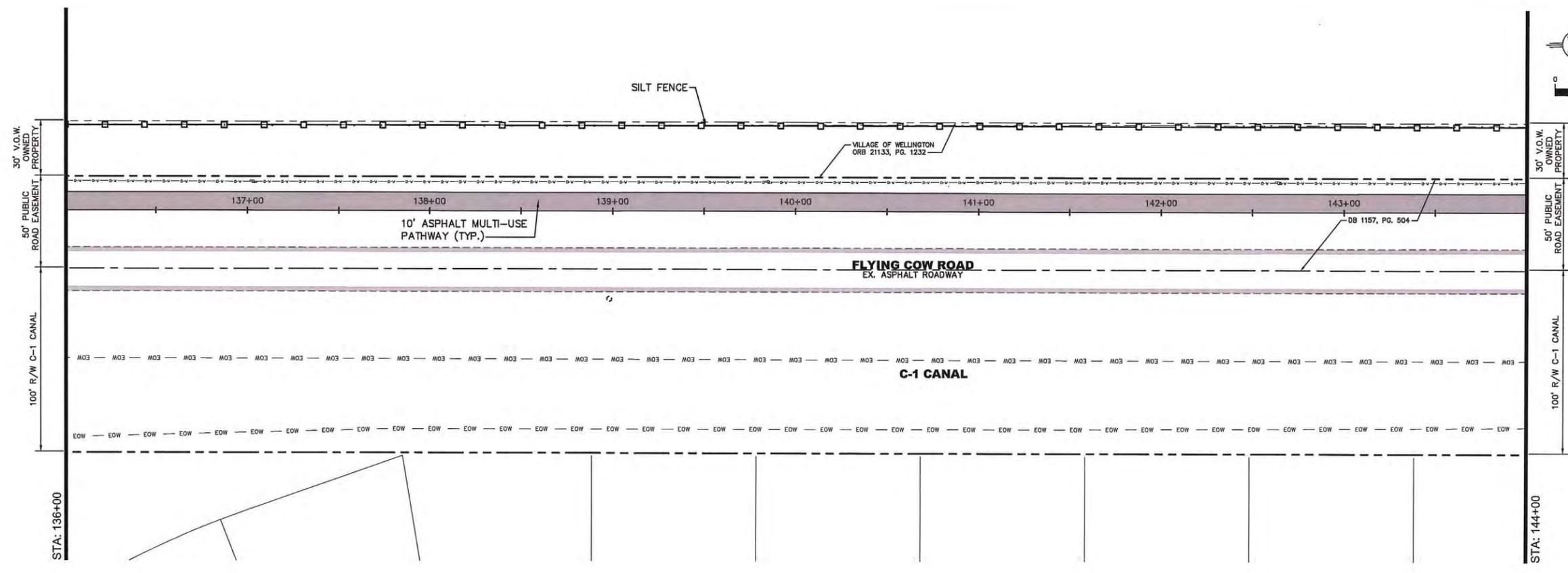
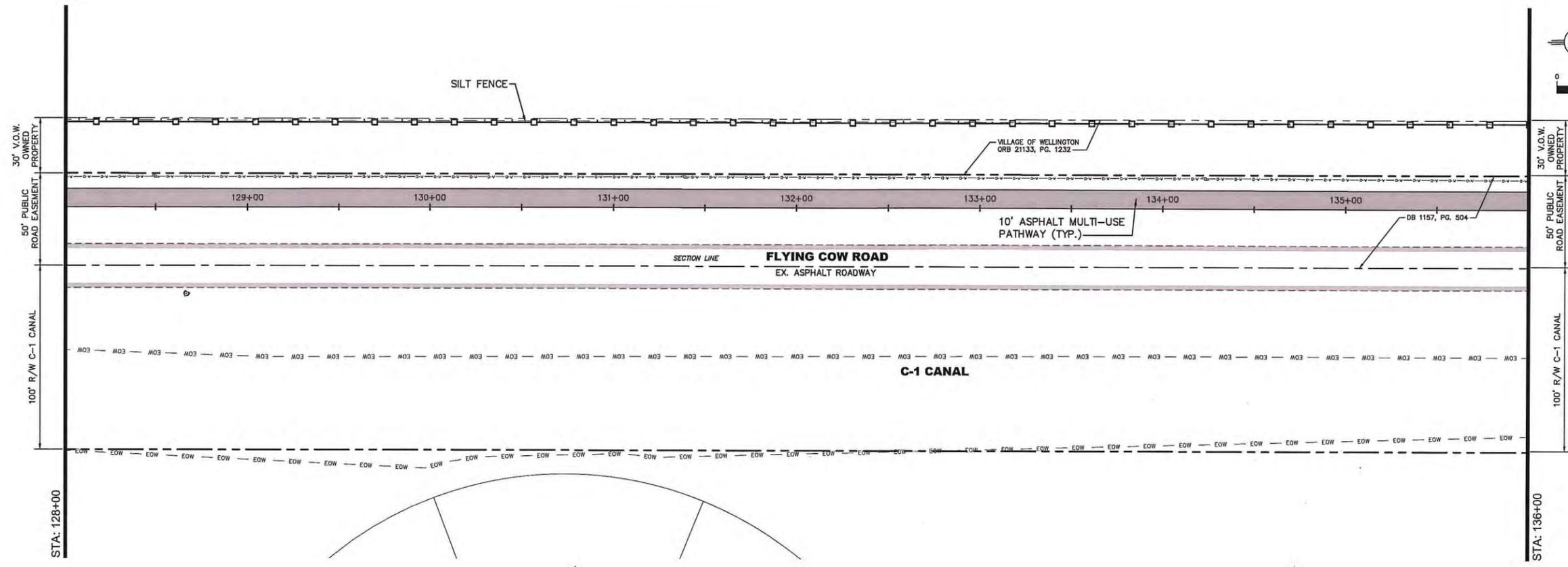
**STORMWATER POLLUTION PREVENTION PLAN**  
**FOR**  
**WELLINGTON ENVIRONMENTAL PRESERVE**  
**GREENWAY PROJECT**



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 WILLIAM REBE, P.E.  
 PROFESSIONAL ENGINEER  
 No. 48937

**STORMWATER POLLUTION PREVENTION PLAN**  
 FOR  
**WELLINGTON ENVIRONMENTAL PRESERVE GREENWAY PROJECT**

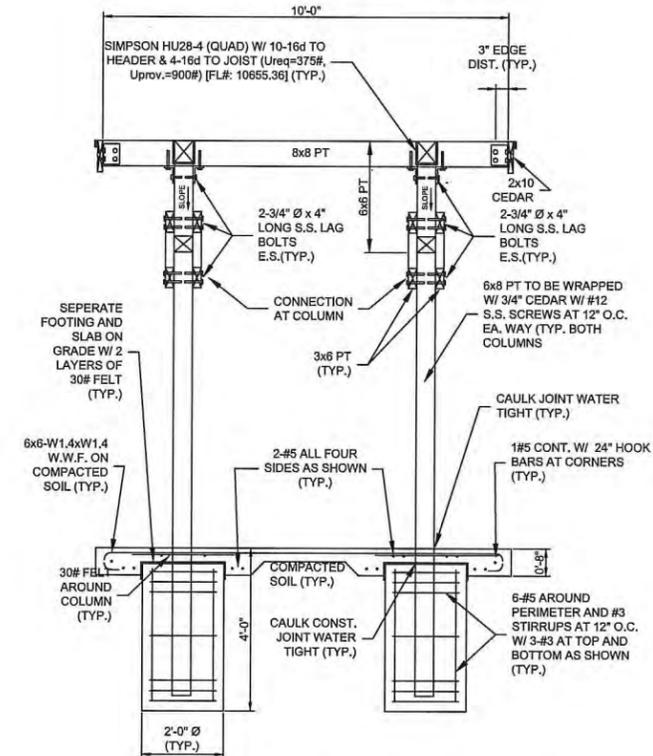
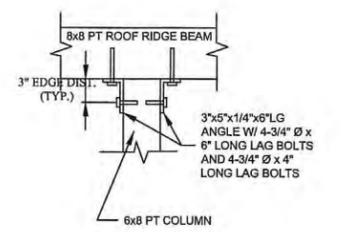
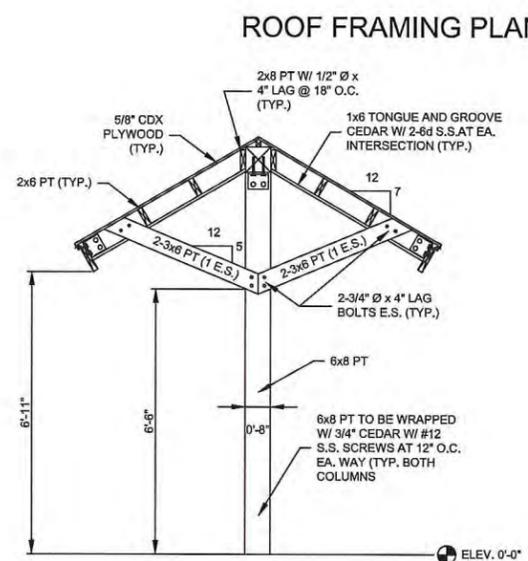
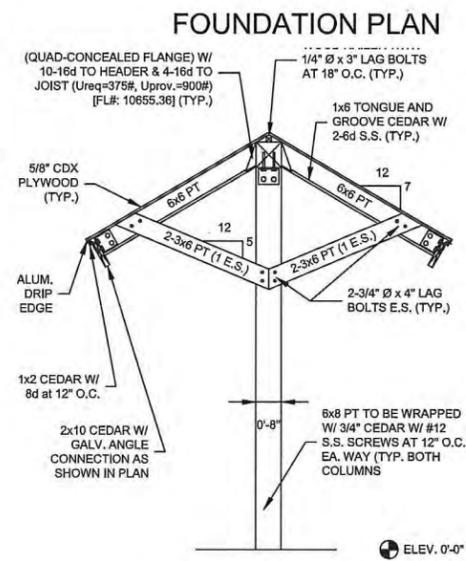
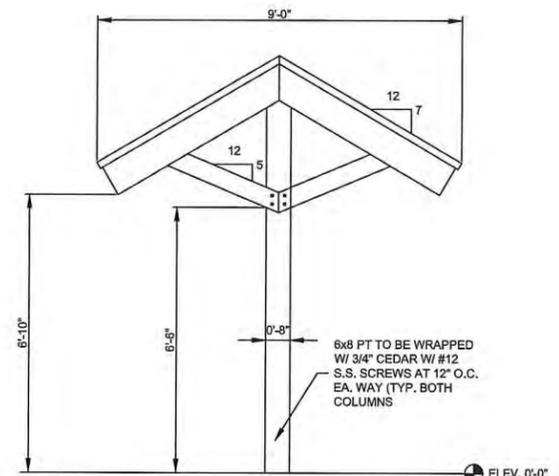
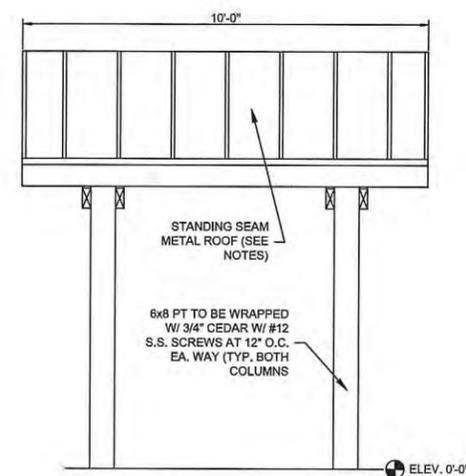
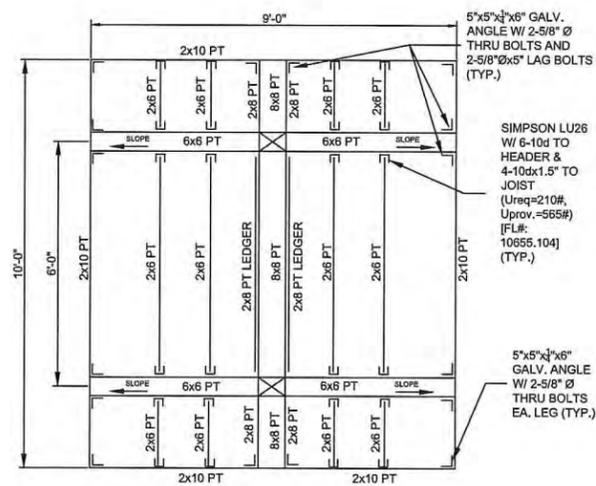
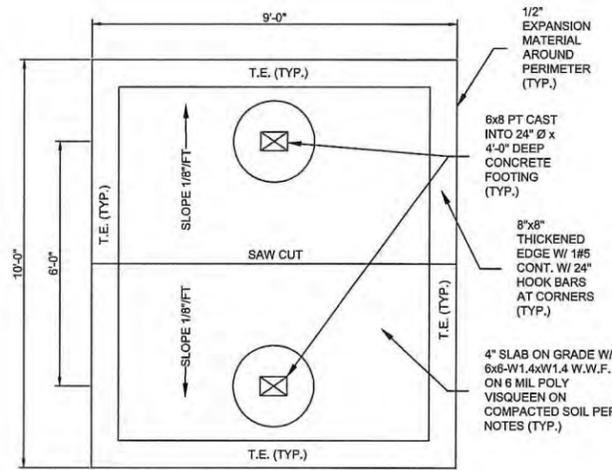


DATE	02 / 2014
DRAWN	JRR
PROJECT ENGINEER	JRR
PROJECT MANAGER	JRR
CHECKED	WJR
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SECTION AT COLUMN

SECTION BEYOND COLUMN

COLUMN / BEAM CONN.

SECTION AT RIDGE BEAM

**STRUCTURAL NOTES**

- All design and construction in accordance with the 2010 Florida Building Code.
- ASCE 7-10, Risk Category II, Ultimate Design Wind Speed: 160 mph (3 second gust), Exposure B, Internal Coefficient: Open (Internal Pressure Coefficient = +/- 0.0).
- Contractor shall submit a Notice of Acceptance (N.O.A.) for the proposed roofing system to the Building Department for review and approval. Said N.O.A. shall meet the following service wind pressures: Interior: +12, -22 psf, End: +12, -41 psf, and Corner: +12, -63 psf.
- Roofing shall be standing seam metal by Engler (FL#: 11727-3-R6) or approved equal. Metal roof color shall be Forest Green with a Kynar factory finish. Fascia board shall be unpainted Rough Sawn Cedar. The aluminum drip edge shall match the roof color.
- Roof LL=30 psf, DL=10 psf.
- Contractor shall verify all the location of all the underground utilities prior to starting construction. Contractor shall call 811 Sunshine for locates.
- Contractor shall take the necessary actions to protect the property. Contractor shall repair or replace property damaged by the contractor at its own expense.
- Contractor shall keep work site free of debris and construction waste daily.
- Contractor shall remove all vegetation, unsatisfactory soils and other deleterious material underneath the proposed foundation.
- Polyethylene (6 mil) sheets shall be placed continuously under proposed concrete slabs on grade. All joints shall be lapped 12" minimum.
- Contractor shall compact the existing subgrade to 98% ASTM D1557 Modified Proctor Maximum Density. Contractor shall provide soil treatment per the Florida Building Code.
- Contractor shall provide density tests to the owner prior to placement of the proposed slab, as applicable.
- Concrete shall have a minimum 28 day compressive strength of 3,000 psi, and water/cement ratio shall not exceed 0.50.
- Minimum concrete cover shall be: Slab: 3/4", Beams and columns: 1-1/2", Tie columns: 3/4", Exposed unprotected concrete: 1-1/2", Formed concrete below grade: 2", Uniformed concrete below grade: 3".
- Concrete work, including form work and testing shall be in accordance with ACI Standards, latest edition.
- Concrete Testing:
  - An independent testing lab shall perform the following tests on cast in place concrete:
    - ASTM C143 "Standard test method for slump of Portland cement concrete"
    - ASTM C39 "Standard test method for compressive strength of cylindrical concrete specimens". A separate test shall be conducted for each class for every 50 cubic yards placed per day. Required cylinder quantities and test age as follows: 1 at 3 days, 1 at 7 days, 2 at 28 days.
- Reinforcing bars shall be placed in accordance with CRSI Manual of Standard Practice, latest edition.

- Reinforcing bars shall be ASTM A615 Steel and shall be free of rust and other debris.
- Where applicable, reinforcing bar hooks shall be as follows: #3-6", #4-8", #5-10", #6-12", #7-14", #8-16", #9-19", #10-22", #11-24", #14-31", and #18-41".
- Reinforcing steel shall be lapped 48 bar diameters minimum where spliced and shall be wired together.
- Welded wire fabric shall conform to ASTM A-185, free from oil, scale, and rust and placed in accordance with the typical placing details of ACI Standards and Specifications. Minimum lap shall be 12".
- All aluminum in contact with concrete or dissimilar metals in contact with one another shall be separated by 2 coats of an epoxy Mastic coating or 30# felt.
- All wood in contact with concrete or masonry shall be appropriately pressure treated with borate or be separated with 15# felt or an approved equal.
- Pressure Treated Wood shall be treated with any of the following: A.C.Q. (Alkaline Copper Quaternary with or without Carbonate), C.B.A.-A or C.A.-B (Copper Azole, or S.B.X. (Sodium Borate).
- Roof sheathing shall be 5/8" CDX plywood with galvanized 8d ring shank nails at 4" o.c. edges and intermediate.
- Underlayment shall be fastened with 12 gauge roofing nails with 1-5/8" tin caps in 12" grid pattern staggered in 2 rows in the field and 6" o.c. at all laps.
- Corrosion resistant galvanized metal flashing of not less than 26 ga shall be installed at wall & roof intersections, gutters, where there is a change in roof slope, roof edges, and all around all openings.
- Contractor shall verify all dimensions prior to construction. Contractor shall report all irregularities or discrepancies to the Engineer prior to proceeding with the work. Contractor shall provide proof of liability insurance and verify approval with the Owner.
- The Contractor is responsible for all Means and Methods, and coordination of all trades with the Owner. Contractor is responsible for adequate bracing for all bracing, bridging, and shoring of structural and non-structural components during construction.
- The Contractor shall provide a written guarantee that warrants all workmanship for a period of one (1) year from date of final acceptance. Any work performed during the first year shall be performed at no cost to the Village.
- Nuts, bolts and washers shall be A325 and shall be hot-dip galvanized to conform to ASTM A153 or mechanically galvanized to conform to ASTM B695.
- Structural steel shall be galvanized A36 unless otherwise noted.
- All other fasteners shall be 304 stainless steel.
- Two part epoxy shall be: HiHi HY-150 or approved equal.
- Foundations are designed for a minimum soil bearing value of 2,000 psf. It shall be the owners' responsibility and contractor's responsibility to verify existing soil conditions are clean sand and to assure the actual soil bearing value equals or exceeds 2,000 psf minimum, and, if it is less, to make such provision as the actual conditions may require.
- The Contractor shall submit plans, shop drawings, test reports, and other information as required by the Village. Submittals include, but are not limited to, the following: concrete mix designs, concrete compressive strength results from a certified materials testing laboratory, standing seam metal roof, one (1) year warranty for structure, and twenty (20) year warranty for roof assembly for defects in materials or workmanship.

REVISIONS		DATE	BY
1	10/11/14	100% CONSTRUCTABILITY SUBMITTAL	JRR
2	10/17/14	100% CONSTRUCTABILITY SUBMITTAL	JRR
3	10/17/14	100% CONSTRUCTABILITY SUBMITTAL	JRR
4	10/17/14	100% CONSTRUCTABILITY SUBMITTAL	JRR
5	10/29/14	PRELIMINARY DESIGN SUBMITTAL	WJR

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STRUCTURAL SHELTER DETAILS FOR WELLINGTON ENVIRONMENTAL PRESERVE GREENWAY PROJECT



DATE	DATE	DATE	DATE
02 / 2014	JRR	JRR	JRR
DRAWN	ENGINEER	PROJECT MANAGER	CHECKED
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