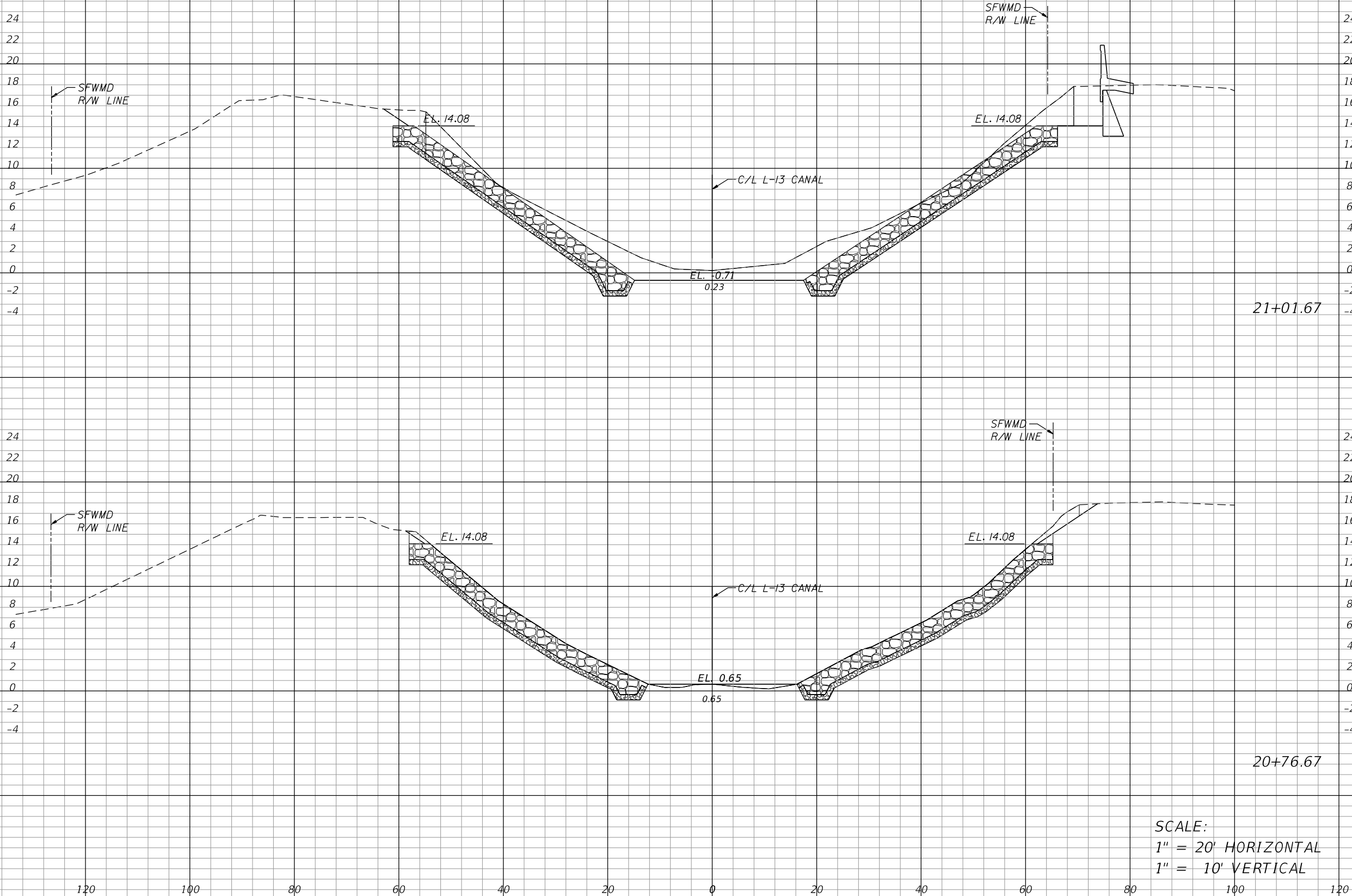


ELEVATIONS HEREON ARE NAVD 1988.
TO CONVERT FROM NAVD 1988 TO
NGVD 1929 DATUM, ADD 1.42 FEET



Canal Excavation		Canal Embankment	
A	V	A	V
393.4	472.6	0.0	0.0
234.5	290.7	2.1	1.0

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

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O. AMIN AHMED, P.E. NO. 52564

CR 880 AND SAM SENTER RD.
(INTERSECTION IMPROVEMENTS AND
BRIDGE REPLACEMENT)

NO.	REVISION	BY	DATE



PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

SCALE: 1"=20'
APPROVED: A.A.
DRAWN: D.H.
CHECKED: A.A.
DATE: 08/22/24

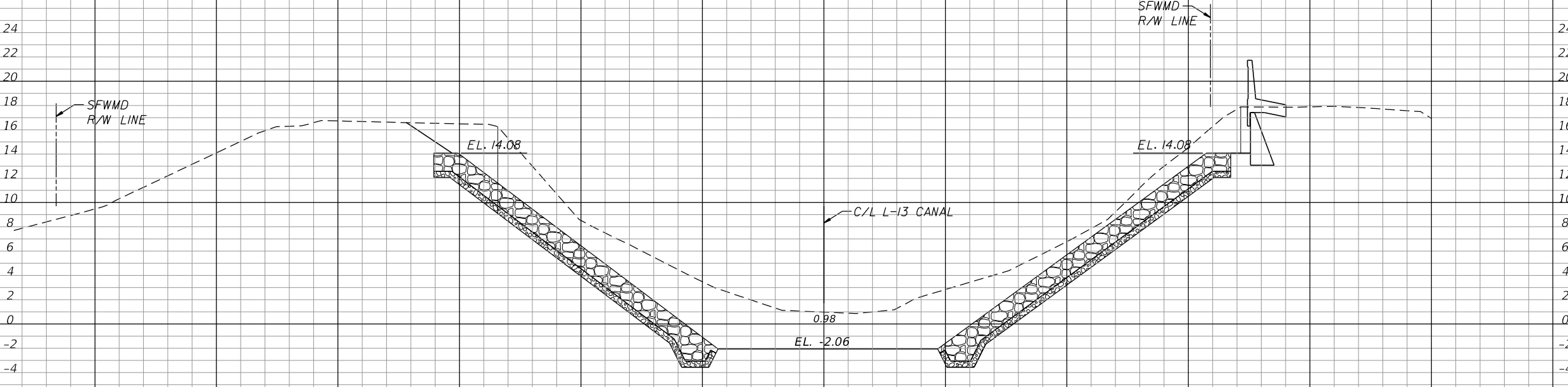
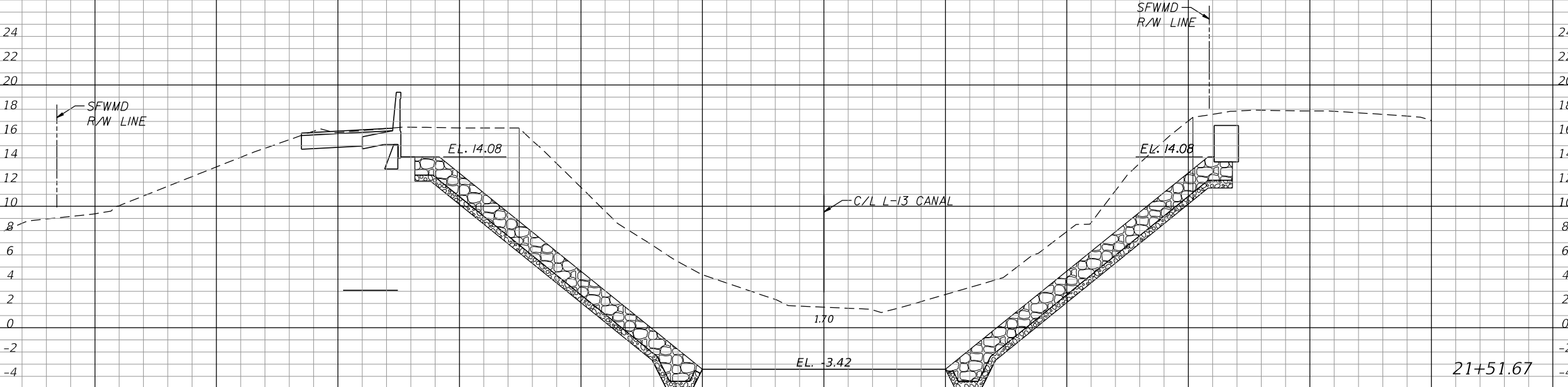
CROSS SECTIONS
SFWMD L-13 CANAL

DESIGN FILE NAME
ROADWAY VDXSRD03A.DGN

DRAWING NO.

SHEET: 90
OF: 102
PROJECT NO.
2019803

ELEVATIONS HEREON ARE NAVD 1988.
TO CONVERT FROM NAVD 1988 TO
NGVD 1929 DATUM, ADD 1.42 FEET



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

Canal Excavation		Canal Embankment	
A	V	A	V
936.9	927.4	0.0	0.0
627.4	724.2	0.0	0.0

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CROSS SECTIONS
SFWMD L-13 CANAL

DESIGN FILE NAME: ROADWAY\RD\SRD03A.DGN

DRAWING NO.

SHEET: 9/
OF: 102
PROJECT NO. 2019803

ELEVATIONS HEREON ARE NAVD 1988.
TO CONVERT FROM NAVD 1988 TO
NGVD 1929 DATUM, ADD 1.42 FEET

SFWMD
R/W LINE

24
22
20
18
16
14
12
10
8
6
4
2
0
-2
-4

EL. 14.08

C/L L-13 CANAL

211

EL. -2.42

SFWMD
R/W LINE

EL. 14.08

24
22
20
18
16
14
12
10
8
6
4
2
0
-2
-4

22+00.00

1052.9

808.3

0.0

0.0

SFWMD
R/W LINE

14
12
10
8
6
4
2
0
-2
-4
-6
-8
-10

EL. 14.08

C/L L-13 CANAL

1.99

EL. -3.42

SFWMD
R/W LINE

EL. 14.08

14
12
10
8
6
4
2
0
-2
-4
-6
-8
-10

21+76.67

1066.4

915.6

0.0

0.0

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

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SCALE: 1"=20'
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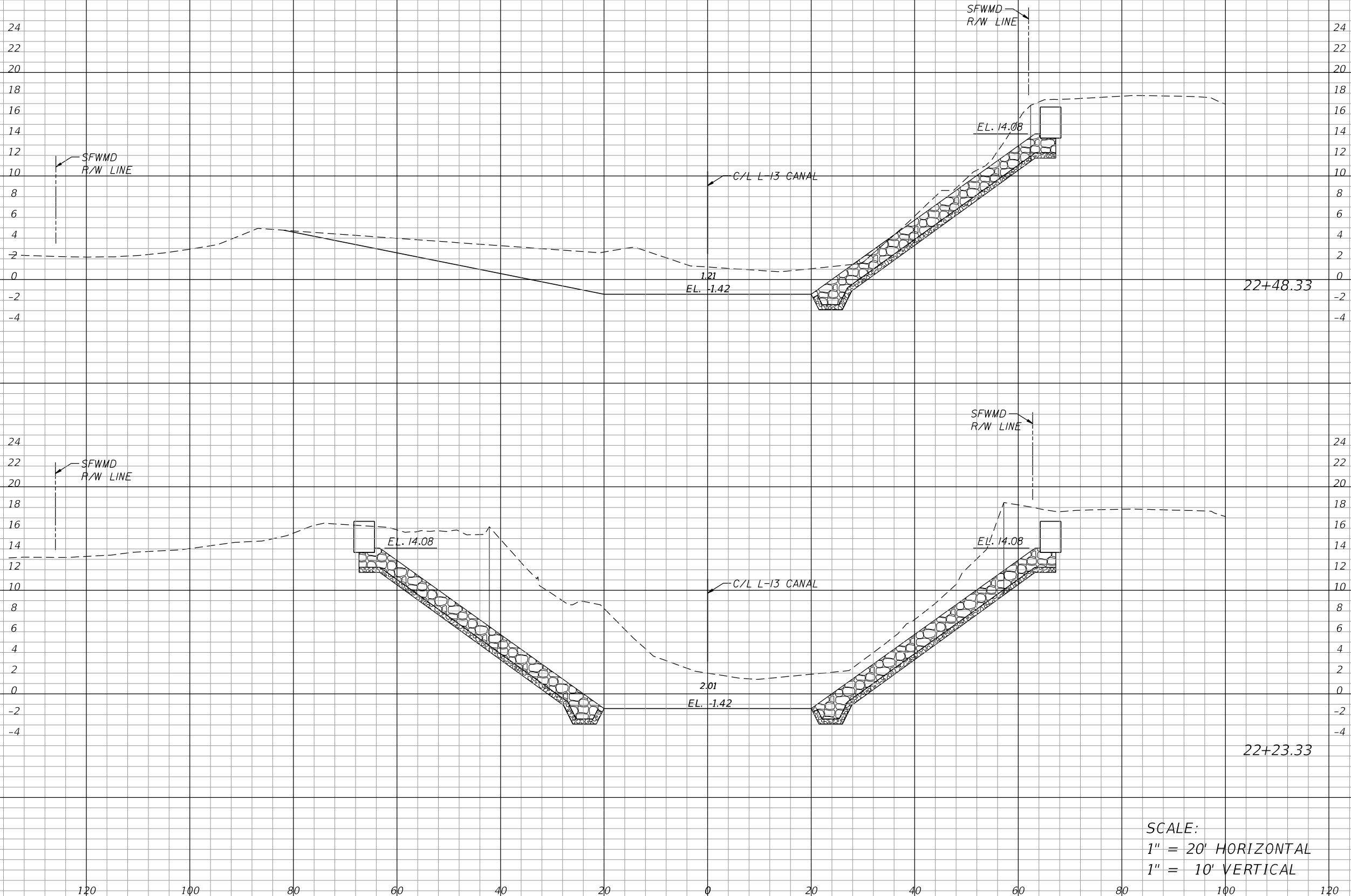
CROSS SECTIONS
SFWMD L-13 CANAL

DESIGN FILE NAME
ROADWAY VDXSRD03A.DGN

DRAWING NO.

SHEET: 92
OF: 102
PROJECT NO.
2019803

ELEVATIONS HEREON ARE NAVD 1988.
TO CONVERT FROM NAVD 1988 TO
NGVD 1929 DATUM, ADD 1.42 FEET



22+48.33

22+23.33

Canal Excavation		Canal Embankment	
A	V	A	V
394.7	270.8	0.0	0.0
817.9	561.4	0.0	0.0

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

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P.O. BOX 21229, WEST PALM BEACH, FLORIDA

SCALE: 1"=20'
APPROVED: A.A.
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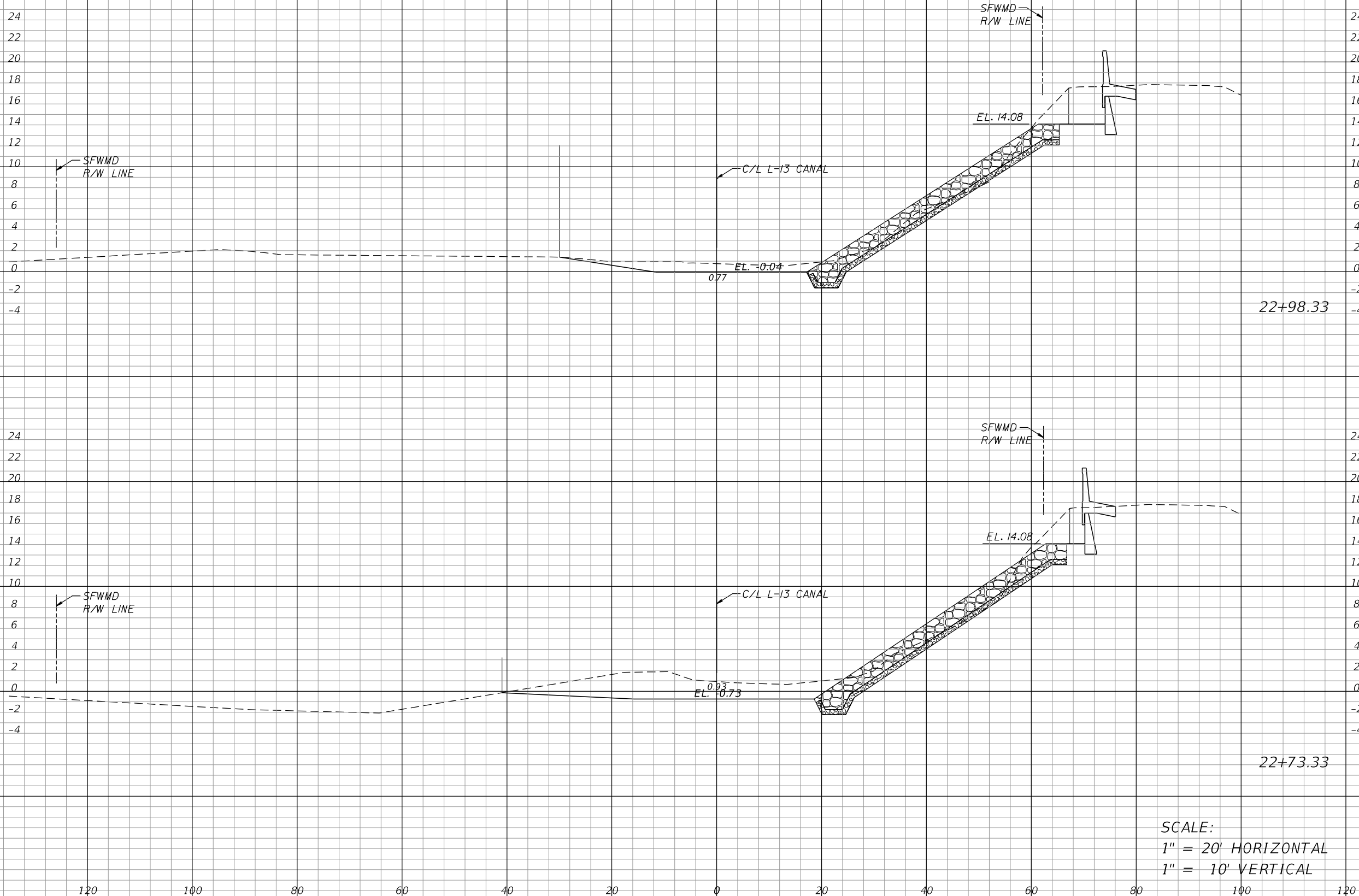
CROSS SECTIONS
SFWMD L-13 CANAL

DESIGN FILE NAME
ROADWAY VDXSRD03A.DGN

DRAWING NO.

SHEET: 93
OF: 102
PROJECT NO.
2019803

ELEVATIONS HEREON ARE NAVD 1988.
TO CONVERT FROM NAVD 1988 TO
NGVD 1929 DATUM, ADD 1.42 FEET



Canal Excavation		Canal Embankment	
A	V	A	V
156.7	132.6	0.0	0.8
190.3	160.7	0.0	0.0

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

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P.O. BOX 21229, WEST PALM BEACH, FLORIDA

SCALE: 1"=20'
APPROVED: A.A.
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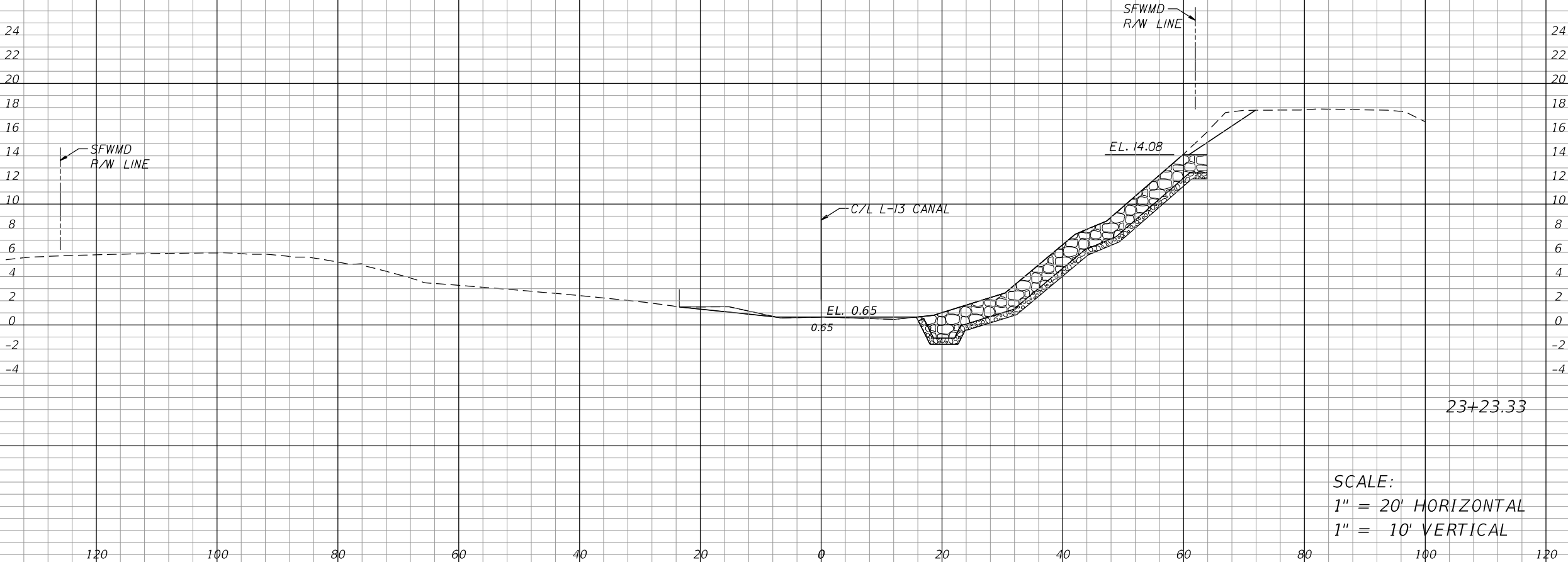
CROSS SECTIONS
SFWMD L-13 CANAL

DESIGN FILE NAME: ROADWAY VDXSRD03A.DGN
DRAWING NO.:

90 94
OF: 102
PROJECT NO. 2019803

ELEVATIONS HEREON ARE NAVD 1988.
TO CONVERT FROM NAVD 1988 TO
NGVD 1929 DATUM, ADD 1.42 FEET

TOTAL CANAL EXCAVATION: 5264 CY
TOTAL CANAL EMBANKMENT: 2 CY



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

Canal Excavation		Canal Embankment	
A	V	A	V
129.7	0.0	1.7	0.0

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CR 880 AND SAM SENTER RD.
(INTERSECTION IMPROVEMENTS AND
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PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
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P.O. BOX 21229, WEST PALM BEACH, FLORIDA

SCALE: 1"=20'
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DATE: 08/22/24

CROSS SECTIONS
SFWMD L-13 CANAL

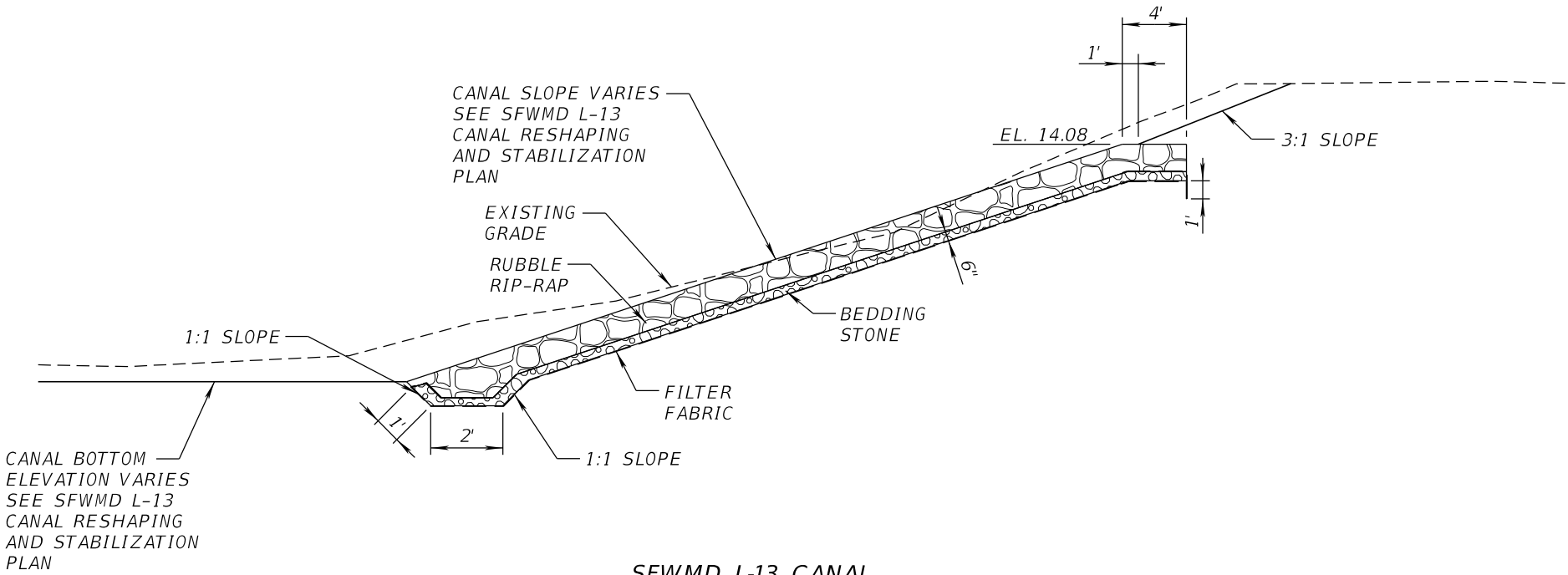
DESIGN FILE NAME:
ROADWAY VRDXSRD03A.DGN

DRAWING NO.

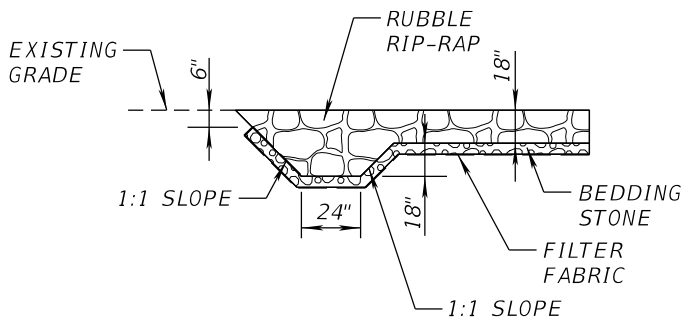
SHEET: 95
OF: 102

PROJECT NO.
2019803

ELEVATIONS HEREON ARE NAVD 1988.
TO CONVERT FROM NAVD 1988 TO
NGVD 1929 DATUM, ADD 1.42 FEET



**SFWMD L-13 CANAL
SLOPE STABILIZATION**
NOT TO SCALE



**SFWMD L-13 CANAL
SLOPE STABILIZATION
CANAL SIDE SLOPES
TOE-IN DETAIL**
NOT TO SCALE

CONSTRUCT RIPRAP IN ACCORDANCE
WITH SFWMD SPECIFICATION SECTION
02370 (RIPRAP SYSTEM) AND SFWMD
SPECIFICATION SECTION 02220
(EXCAVATION AND BACKFILLING)

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**CR 880 AND SAM SENTER RD.
(INTERSECTION IMPROVEMENTS AND
BRIDGE REPLACEMENT)**

NO.	REVISION	BY	DATE

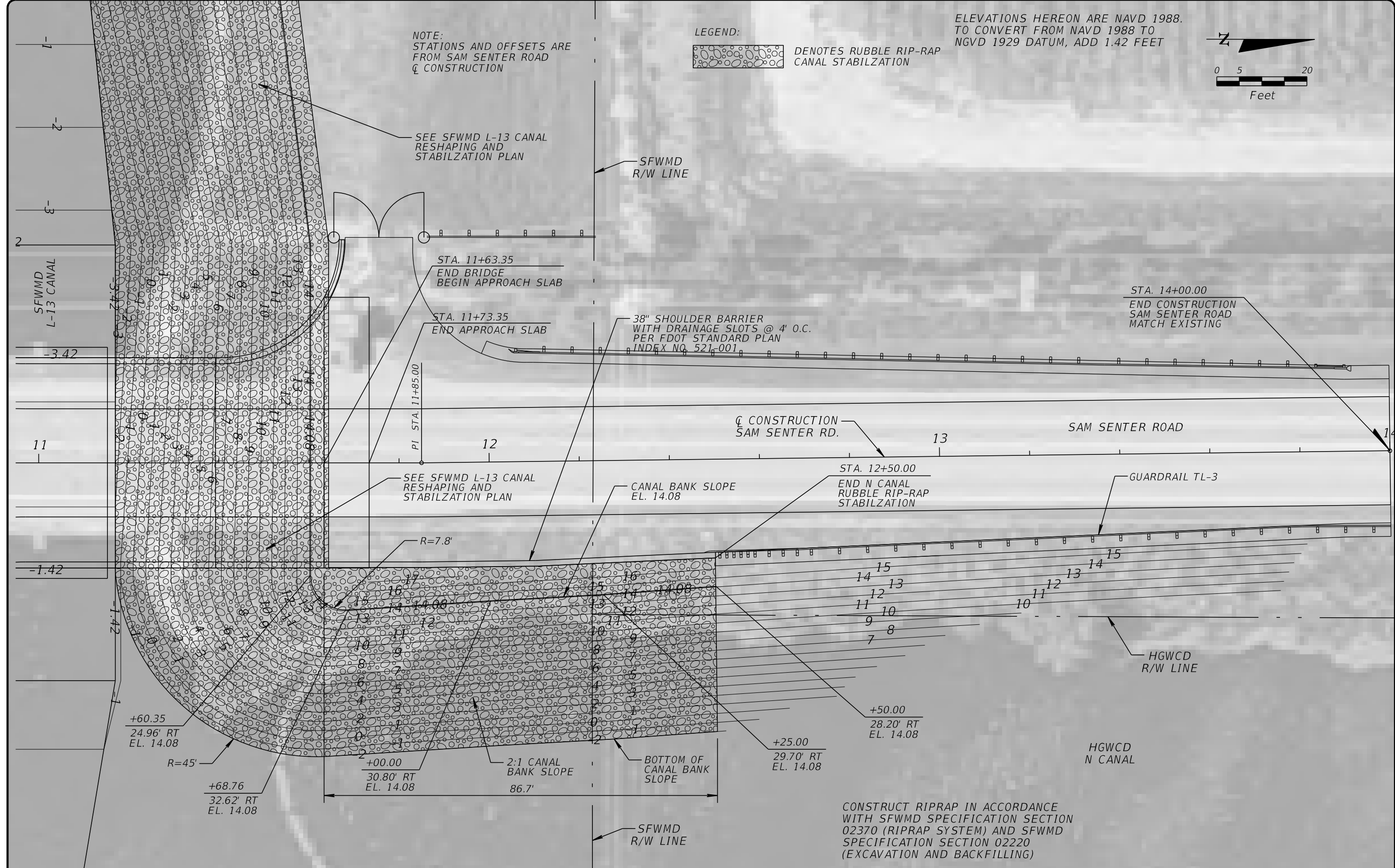


**PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION**
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

SCALE: NONE
APPROVED: A.A.
DRAWN: D.H.
CHECKED: A.A.
DATE: 08/22/24

**SFWMD L-13 CANAL
DETAILS**
DESIGN FILE NAME: ROADWAY L-13 CANAL DETAILS.DGN
DRAWING NO.

SHEET: 96
OF: 102
PROJECT NO. 2019803



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NO.	REVISION	BY	DATE



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P.O. BOX 21229, WEST PALM BEACH, FLORIDA

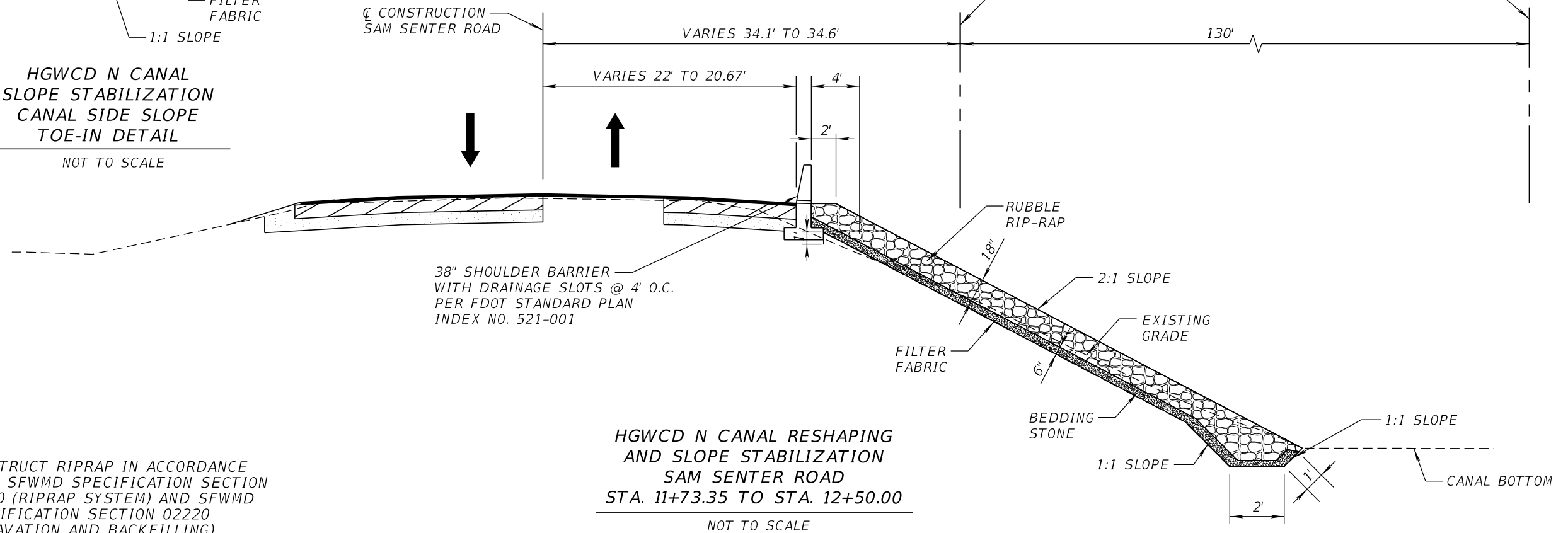
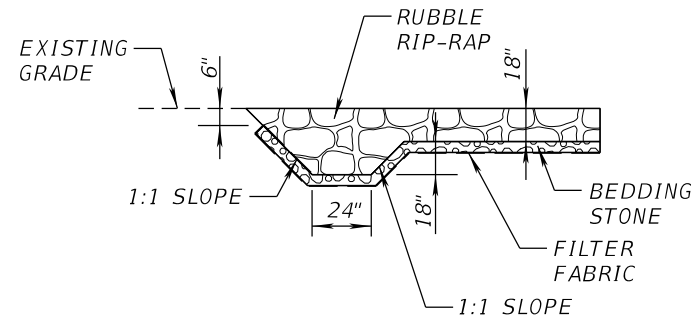
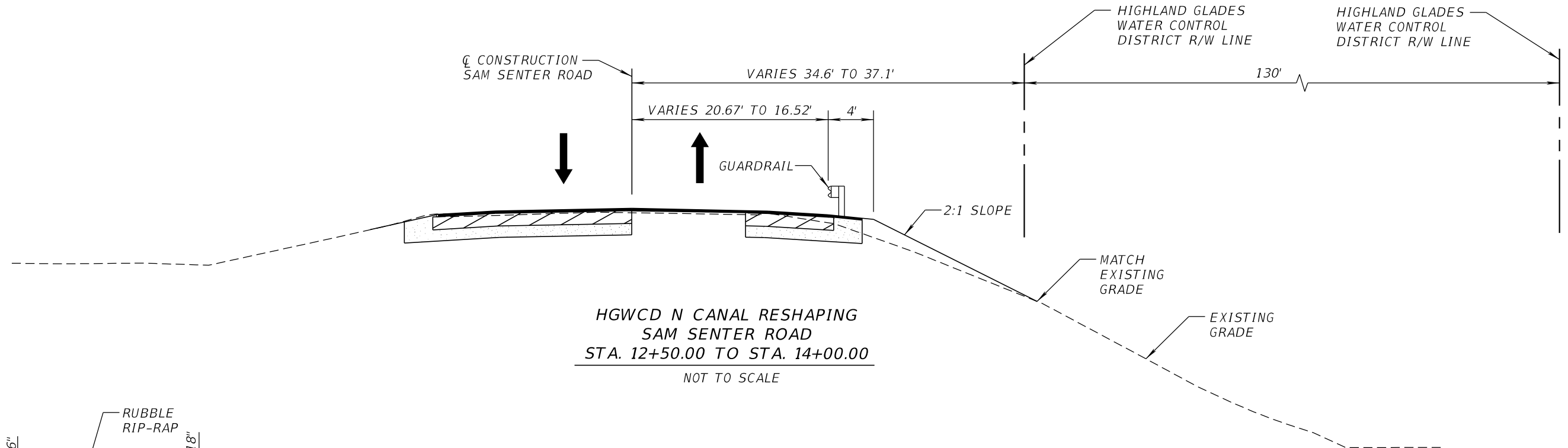
SCALE: 1"=40'
APPROVED: A.A.
DRAWN: D.H.
CHECKED: A.A.
DATE: 08/22/24

HGWC N CANAL
RESHAPING AND
STABILIZATION PLAN

DESIGN FILE NAME
ROADWAY N CANAL RESHAPING PLAN.DGN

DRAWING NO.

SHEET: 97
OF: 102
PROJECT NO.
2019803

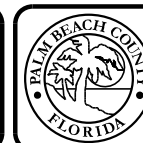


CONSTRUCT RIPRAP IN ACCORDANCE
WITH SFWMD SPECIFICATION SECTION
02370 (RIPRAP SYSTEM) AND SFWMD
SPECIFICATION SECTION 02220
(EXCAVATION AND BACKFILLING)

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**CR 880 AND SAM SENTER RD.
(INTERSECTION IMPROVEMENTS AND
BRIDGE REPLACEMENT)**

NO.	REVISION	BY	DATE



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ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION**
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

SCALE: NONE
APPROVED: A.A.
DRAWN: D.H.
CHECKED: A.A.
DATE: 08/22/24

**HGWCD N CANAL
DETAILS**

DESIGN FILE NAME
ROADWAY N CANAL DETAILS.DGN

DRAWING NO.

SHEET: 98
OF: 102
PROJECT NO.
2019803

THE FOLLOWING NARRATIVE OF THE STORMWATER POUUTION PREVENTION PLAN CONTAINS REFERENCES TO THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, THE DESIGN STANDARDS, AND OTHER SHEETS OF THESE CONSTRUCTION PLANS. THE FIRST SHEET OF THE CONSTRUCTION PLANS (CALLED THE KEY SHEET) CONTAINS AN INDEX TO THE OTHER SHEETS. THE COMPLETE STORMWATER POLLUTION PREVENTION PLAN INCLUDES SEVERAL ITEMS: THIS NARRATIVE DESCRIPTION, THE DOCUMENTS REFERENCED IN THIS NARRATIVE, THE CONTRACTOR'S APPROVED EROSION CONTROL PLAN REQUIRED BY SPECIFICATION SECTION 104, AND REPORTS OF INSPECTIONS MADE DURING CONSTRUCTION.

1. SITE DESCRIPTION

1.A. NATURE OF CONSTRUCTION ACTIVITY

THIS PROJECT IS LOCATED AT THE INTERSECTION OF CR 880 AND SAM SENTER ROAD. THE PURPOSE OF THE PROJECT IS TO REPLACE THE EXISTING SAM SENTER BRIDGE OVER THE SFWMD L-13 CANAL (OCEAN CANAL) WITH A NEW BRIDGE STRUCTURE. THE OCEAN CANAL WILL BE WIDENED UNDER THE NEW BRIDGE AND REVETMENT IS INCLUDED ALONG THE CANAL SIDE SLOPES. THE ROAD INTERSECTION WILL BE IMPROVED WITH TURN LANES AND WIDER PAVED SHOULDER, ALONG CR 880.

THE PROJECT LENGTH ALONG CR 880 IS 0.85 MILES. THE PROJECT EXTENDS NORTH ALONG SAM SENTER ROAD OVER THE OCEAN CANAL TO TRANSITION THE PROPOSED BRIDGE TYPICAL SECTION INTO THE EXISTING TWO LANE SECTION.

1.B. SEQUENCE OF MAJOR SOIL DISTURBING ACTIVITIES:

IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL PROVIDE A DETAILED SEQUENCE OF CONSTRUCTION FOR ALL CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL FOLLOW THE SEQUENCE OF MAJOR ACTIVITIES DESCRIBED BELOW, UNLESS THE CONTRACTOR PROPOSES A DIFFERENT SEQUENCE THAT IS EQUAL OR BETTER AT CONTROLLING EROSION AND TRAPPING SEDIMENT AND IS APPROVED BY THE ENGINEER.

FOR EACH CONSTRUCTION PHASE, INSTALL PERIMETER CONTROLS AFTER CLEARING AND GRUBBING NECESSARY FOR INSTALLATION OF CONTROLS BUT BEFORE BEGINNING OTHER WORK FOR THE CONSTRUCT/ON PHASE. REMOVE PERIMETER CONTROLS ONLY AFTER ALL UPSTREAM AREAS ARE STABILIZED.

SEQUENCE OF ACTIVITIES:

1. CLEAR AND GRUB SAM SENTER ROAD, REMOVE EXISTING BRIDGE, GRADE THE OCEAN CANAL TO PROPOSED CONDITIONS AND CONSTRUCT NEW BRIDGE. INSTALL RIP RAP ALONG CANAL SIDE SLOPES. PERFORM EARTHWORK ASSOCIATED WITH BRIDGE AND CANAL WORK.

2. CLEAR AND GRUB CR 880, RECONSTRUCT ROADWAY WITH RIGID INCLUSIONS AND GEOGRID REINFORCEMENT LAYERS. WIDEN ROAD. CONSTRUCT ROADSIDE SWALES. CONSTRUCT DRAINAGE STRUCTURES. PERFORM EARTHWORK ASSOCIATED WITH ROADWAY WORK.

1.C. AREA ESTIMATES:

TOTAL SITE AREA: 9.21 ACRES.
TOTAL AREA TO BE DISTURBED: 8.21 ACRES.

1.D. RUNOFF DATA:

RUNOFF COEFFICIENTS:
BEFORE: 0.71
DURING: VARIES 0.71 TO 0.80
AFTER: 0.80

SOILS DATA: THE RESULTS OF THE SOIL BORINGS ALONG THE ROADWAY ARE SHOWN IN THE ROADWAY SOIL SURVEY SHEET(S). THE NUMBERS FOR THESE ARE IDENTIFIED ON THE KEY SHEET OF THESE CONSTRUCTION PLANS. IN GENERAL, THE SOILS ARE COMPOSED OF A THICK SILTY TO CLAYEY PEAT LAYER BELOW A LAYER OF SAND COMPOSED OF SHELL AND LIMEROCK FRAGMENTS.

OUTFALL INFORMATION:

THERE ARE THREE OUTFALLS.

#1 DESCRIPTION: CR 880 - ROADSIDE SWALES.
LOCATION: LATITUDE 26° 40' 40"N LONGITUDE 80° 32' 20"W
EST. DRAINAGE AREA SIZE: 7.95 ACRES
RECEIVING WATER NAME: AGRICULTURAL DITCH.

#2 DESCRIPTION: CR 880 - ROADWAY.
LOCATION: LATITUDE 26° 40' 42"N LONGITUDE 80° 32' 14"W
EST. DRAINAGE AREA SIZE: 1.0 ACRES
RECEIVING WATER NAME: OCEAN CANAL.

#3 DESCRIPTION: SAM SENTER ROAD - ROADWAY.
C-51 FROM FRENCHDRAIN, PIPE TO CANAL IS AT STATION 243+00
LOCATION: LATITUDE 26° 40' 43"N LONGITUDE 80° 32' 19"W
EST. DRAINAGE AREA SIZE: 0.36 ACRES
RECEIVING WATER NAME: N CANAL.

1.E. SITE MAP:

THE CONSTRUCTION PLANS ARE BEING USED AS THE SITE MAPS. THE LOCATION OF THE REQUIRED INFORMATION IS DESCRIBED BELOW. THE SHEET NUMBERS FOR THE PLAN SHEETS REFERENCED ARE IDENTIFIED ON THE KEY SHEET OF THESE CONSTRUCTION PLANS.

DRAINAGE PATTERNS: THE PROJECT AREA IS GENERALLY FLAT AND WILL REMAIN SO DURING AND AFTER CONSTRUCTION. RUNOFF IS CONVEYED TO THE EXISTING OUTFALLS VIA SHEET FLOW FROM THE ROADWAY TRAVEL LANES, PAVED SHOULDER AND ROADSIDE SWALES. NO OFFSITE AREAS CONTRIBUTE FLOW TO THE PROJECT.

SLOPES: THE SLOPES OF THE SITE CAN BE SEEN IN THE CROSS SECTIONS SHEETS, THE PLAN AND THE PROFILE SHEETS AND THE ARE CANAL CROSS SECTIONS SHEETS. THE FLOW OF THE N CANAL IS FROM NORTH TO SOUTH. THE FLOW OF THE OCEAN CANAL IS FROM WEST TO EAST. THE FLOW OF THE AGRICULTURAL DITCH IS FROM WEST TO EAST.

AREAS OF SOIL DISTURBANCE: THE AREAS TO BE DISTURBED ARE INDICATED ON THE PLAN-PROFILE SHEETS, THE CROSS SECTION SHEETS, AND THE CANAL CROSS SECTION SHEETS. ANY AREAS WHERE PERMANENT FEATURES ARE SHOWN TO BE CONSTRUCTED ABOVE OR BELOW GROUND WILL BE DISTURBED.

AREAS NOT TO BE DISTURBED: THE EXISTING ROADWAY ALONG CR 880 WILL BE UNDISTURBED EXCEPT DURING THE RECONSTRUCTION, OVERBUILD/MILLING/RESURFACING AND MIONR WIDENING OPERATIONS.

LOCATIONS OF TEMPORARY CONTROLS: THESE ARE SHOWN ON THE PLAN SHEETS AND THE CANAL DETAIL SHEETS. TABLES PROVIDING SUMMARIES OF TEMPORARY EROSION AND SEDIMENT CONTROL ITEMS ARE PROVIDED IN THE SUMMARY OF QUANTITY SHEETS.

LOCATIONS OF PERMANENT CONTROLS: THE PROPOSED ROADSIDE SWALES ARE THE PRIMARY PERMANENT STORMWATER MANAGEMENT CONTROLS.

AREAS TO BE STABILIZED: TEMPORARY STABILIZATION PRACTICES ARE SHOWN IN THE SAME LOCATION AS THE TEMPORARY CONTROLS MENTIONED ABOVE. PERMANENT STABILZATION IS SHOWN ON THE TYPICAL SECTION SHEETS AND THE PLAN SHEETS.

SURFACE WATERS: THE OCEAN CANAL AND THE N CANAL ARE SURFACE WATERS THAT FLOW THROUGH THE PROJECT SITE. . THIS IS SHOWN ON THE DRAINAGE MAP AND THE PLAN SHEETS.

DISCHARGE POINTS TO SURFACE WATERS: DISCHARGE TO SURFACE WATERS WILL OCCUR ALONG EAST SIDE SAM SENTER ROAD VIA DRAINAGE SLOTS CAST IN THE PROPOSED BARRIE WALL. THE PROJECT ALSO DISCHARGES TO THE OCEAN CANAL VIA SHEET FLOW ALONG THE NORTH SIDE OF CR 880.

1.F. RECEIVING WATERS:

SEE ITEMS 1.D FOR THE OUTFALL LOCATIONS AND RECEIVING WATER NAMES. THERE ARE NO WETLAND AREAS ON THE PROJECT SITE.

2.0 CONTROLS

2.A. EROSION AND SEDIMENT CONTROLS:

IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROPOSED STABILIZATION AND STRUCTURAL PRACTICES BASED ON THE CONTRACTOR'S PROPOSED TEMPORARY TRAFFIC CONTROL (TTC) PLAN. THE FOLLOWING RECOMMENDED GUIDELINES ARE BASED ON THE CONSTRUCTION PLANS. THE CONTRACTOR MAY CHOSE TO ACCEPT THE FOLLOWING GUIDELINES OR MODIFY THEM IN THE SEDIMENT AND EROSION CONTROL PLAN, SUBJECT TO APPROVAL BY THE ENGINEER. AS WORK PROGRESSES, THE CONTRACTOR SHALL MODIFY THE PLAN TO ADAPT TO SEASONAL VARIATION, CHANGES IN CONSTRUCTION ACTIVITIES, AND THE NEED FOR BETTER PRACTICES. FOR EACH CONSTRUCTION PHASE, INSTALL PERIMETER CONTROLS AFTER CLEARING AND GRUBBING NECESSARY FOR INSTALLATION OF CONTROLS BUT BEFORE BEGINNING OTHER WORK FOR THE CONSTRUCTION PHASE. REMOVE PERIMETER CONTROLS ONLY AFTER ALL UPSTREAM AREAS ARE STABILIZED.

FOR EACH CONSTRUCTION PHASE, INSTALL PERIMETER CONTROLS AFTER CLEARING AND GRUBBING NECESSARY FOR INSTALLATION OF CONTROLS BUT BEFORE BEGINNING OTHER WORK FOR THE CONSTRUCTION PHASE. REMOVE PERIMETER CONTROLS ONLY AFTER ALL UPSTREAM AREAS ARE STABILIZED. THIS INCLUDES USE OF TEMPORARY FLOATING TURBIDITY BARRIER IN THE CANAL PRIOR TO COMMENCING WORK WITHIN THE CANAL AND ON THE BRIDGE.

PHASE I

CLEAR AND GRUB SAM SENTER ROAD, REMOVE EXISTING BRIDGE AND GRADE THE OCEAN CANAL TO PROPOSED CONDITIONS, CONSTRUCT NEW BRIDGE. INSTALL RIP RAP ALONG CANAL SIDE SLOPES. PERFORM EARTHWORK ASSOCIATED WITH BRIDGE AND CANAL WORK. PROVIDE TEMPORARY SOD, FLOATING TURBIDITY BARRIER AND STAKED SEDIMENT BARRIER.

PHASE II

CLEAR AND GRUB CR 880, RECONSTRUCT ROADWAY WITH RIGID INCLUSIONS AND GEOGRID REINFORCEMENT LAYERS. WIDEN ROAD. CONSTRUCT ROADSIDE SWALES. CONSTRUCT DRAINAGE STRUCTURES. PERFORM EARTHWORK ASSOCIATED WITH ROADWAY WORK. PROVIDE TEMPORARY SOD, FLOATING TURBIDITY BARRIER AND STAKED SEDIMENT BARRIER.

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CR 880 AND SAM SENTER RD.
(INTERSECTION IMPROVEMENTS AND
BRIDGE REPLACEMENT)

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PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

SCALE: NONE
APPROVED: A.A.
DRAWN: R.B.
CHECKED: R.O.
DATE: 08/22/24

STORMWATER POLLUTION
PREVENTION PLAN

DESIGN FILE NAME DRAINAGE\SWPPP01.DGN	DRAWING NO.
--	-------------

SHEET: 99
OF: 102
PROJECT NO. 2019803

2.A.1 STABILIZATION PRACTICES:

IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROPOSED STABILIZATION PRACTICES PROPOSED TO CONTROL EROSION. THE CONTRACTOR SHALL INITIATE ALL STABILIZATION MEASURES AS SOON AS PRACTICAL, BUT IN NO CASE MORE THAN 7 DAYS, IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED. THE STABILZATION PRACTICES SHALL INCLUDE AT LEAST THE FOLLOWING, UNLESS OTHERWISE APPROVED BY THE ENGINEER.

TEMPORARY:

* ARTIFICIAL COVERINGS IN ACCORDANCE WITH SPECIFICATION SECTION 104 AND THE EROSION AND SEDIMENT CONTROL HANDBOOK.

* TURF AND SOD IN ACCORDANCE WITH SPECIFICATION SECTION 104 AND THE EROSION AND SEDIMENT CONTROL HANDBOOK.

* FLOATING TURBIDITY BARRIER IN ACCORDANCE WITH SPECIFICATION SECTION 104 AND THE EROSION AND SEDIMENT CONTROL HANDBOOK.

PERMANENT:

* ASPHALT OR CONCRETE SURFACE.

* RIP-RAP IN ACCORDANCE WITH SPECIFICATION SECTION 530.

* SOD IN ACCORDANCE WITH SPECIFICATION SECTION 570.

2.A.2 STRUCTURAL PRACTICES:

IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROPOSED STRUCTURAL PRACTICES TO CONTROL OR TRAP SEDIMENT AND OTHERWISE PREVENT THE DISCHARGE OF POLLUTANTS FROM EXPOSED AREAS OF THE SITE. SEDIMENT CONTROLS SHALL BE IN PLACE BEFORE DISTURBING SOIL UPSTREAM OF THE CONTROL. THE STRUCTURAL PRACTICES SHALL INCLUDE AT LEAST THE FOLLOWING, UNLESS OTHERWISE APPROVED BY THE ENGINEER:

TEMPORARY:

* SEDIMENT BARRIERS IN ACCORDANCE WITH THE EROSION AND SEDIMENT CONTROL HANDBOOK AND SPECIFICATION SECTION 104.

* INLET PROTECTION IN ACCORDANCE WITH THE EROSION AND SEDIMENT CONTROL HANDBOOK AND SPECIFICATION SECTION 104.

* SOIL TRACKING PREVENTION DEVICE IN ACCORDANCE WITH THE EROSION AND SEDIMENT CONTROL HANDBOOK.

PERMANENT:

* ROADSIDE SWALES.

* SOD.

2.B. STORMWATER MANAGEMENT

ROADSIDE SWALES WILL BE CONSTRUCTED ALONG THE SOUTH SIDE OF CR 880 TO MANAGE STORMWATER FROM THE PROPOSED ROADWAY IMPROVEMENTS. THE FACILITIES HAVE BEEN PERMITTED BY SOUTH FLORIDA WATER MANAGEMENT DISTRICT AND APPROVED BY HIGHLAND GLADES WATER CONTROL DISTRICT. ALL FACILITIES COMPLY WITH APPLICABLE DESIGN STANDARDS.

2.C OTHER CONTROLS:

2.C.1 WASTE DISPOSAL:

IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROPOSED METHODS TO PREVENT THE DISCHARGE OF SOLID MATERIALS, INCLUDING BUILDING MATERIALS, TO WATERS OF THE UNITED STATES. THE PROPOSED METHODS SHALL INCLUDE AT LEAST THE FOLLOWING, UNLESS OTHERWISE APPROVED BY THE ENGINEER:

* PROVIDING LITTER CONTROL AND COLLECTION WITHIN THE PROJECT DURING CONSTRUCTION ACTIVITIES.

* DISPOSING OF ALL FERTILIZER OR OTHER CHEMICAL CONTAINERS ACCORDING TO EPA'S STANDARD PRACTICES AS DETAILED BY THE MANUFACTURER.

* DISPOSING OF SOLID MATERIALS INCLUDING BUILDING AND CONSTRUCTION MATERIALS OFF THE PROJECT SITE BUT NOT IN SURFACE WATERS, OR WETLANDS.

2.C.2 OFF-SITE VEHICLE TRACKING & DUST CONTROL:

IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROPOSED METHODS FOR MINIMIZING OFFS/TE VEHICLE TRACKING OF SEDIMENTS AND GENERATING DUST. THE PROPOSED METHODS SHALL INCLUDE AT LEAST THE FOLLOWING, UNLESS OTHERWISE APPROVED BY THE ENGINEER.

* COVERING LOADED HAUL TRUCKS WITH TARPULINS.

* REMOVING EXCESS DIRT FROM ROADS DAILY.

* STABILIZING CONSTRUCTION ENTRANCES ACCORDING TO DESIGN STANDARD 106.

* USING ROADWAY SWEEPERS DURING DUST GENERATING ACTIVITIES SUCH AS EXCAVATION AND MILLING OPERATIONS.

2.C.3 STATE AND LOCAL REGULATIONS FOR WASTE DISPOSAL, SANITARY SEWER, OR SEPTIC TANK REGULATIONS:

IN THE SECTION 104 EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROPOSED PROCEDURES TO COMPLY WITH APPLICABLE STATE AND LOCAL REGULATIONS FOR WASTE DISPOSAL, AND SANITARY SEWER OR SEPTIC SYSTEMS.

* USING ROADWAY SWEEPERS DURING DUST GENERATING ACTIVITIES SUCH AS EXCAVATION AND MILLING OPERATIONS.

2.C.4 FERTILIZERS AND PESTICIDES:

IN THE SEDIMENT ANO EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROCEDURES FOR APPLYING FERTILIZERS AND PESTICIDES. THE PROPOSED PROCEDURES SHALL COMPLY WITH APPLICABLE SUBSECTIONS OF SECTION 570 OF THE SPECIFICATIONS.

2.C.5 TOXIC SUBSTANCES:

IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL PROVIDE A LIST OF TOXIC SUBSTANCES THAT ARE LIKELY TO BE USED ON THE JOB AND PROVIDE A PLAN ADDRESSING THE GENERATION, APPLICATION, MIGRATION, STORAGE, AND DISPOSAL OF THESE SUBSTANCES.

2.D.4 APPROVED STATE AND LOCAL PERMITS:

THIS PROJECT HAS OBTAINED APPROVAL FROM THE UNITED STATES ARMY CORPS OF ENGINEERS, SOUTH FLORIDA WATER MANAGEMENT DISTRICT AND HIGHLAND GLADES WATER CONTROL DISTRICT.

3.0 MAINTENANCE:

IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL PROVIDE A PLAN FOR MAINTAINING ALL EROSION AND SEDIMENT CONTROLS THROUGHOUT CONSTRUCTION. THE MAINTENANCE PLAN SHALL AT A MINIMUM, COMPLY WITH THE FOLLOWING:

* SILT FENCE: MAINTAIN PER SECTION 104. THE CONTRACTOR SHOULD ANTICIPATE REPLACING SILT FENCE ON 12 MONTH INTERVALS.

* SEDIMENT BARRIERS : REMOVE SEDIMENT AS PER MANUFACTURER'S RECOMMENDATIONS OR WHEN WATER PONDS IN UNACCEPTABLE AMOUNTS OR AREAS.

* TURBIDITY BARRIERS: MAINTAIN PER SECTION 104. REGULARLY INSPECT THE BARRIERS AND ANCHOR SYSTEMS AT ALL LOCATIONS. REPAIR AND REPLACE DAMAGED BARRIER MATERIAL AS REQUIRED.

4.0 INSPECTIONS:

QUALIFIED PERSONNEL SHALL INSPECT THE FOLLOWING ITEMS AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.50 INCHES OR GREATER. TO COMPLY, THE CONTRACTOR SHALL INSTALL AND MAINTAIN RAIN GAUGES AND RECORD THE DAILY RAINFALL. WHERE SITES HAVE BEEN PERMANENTLY STABILIZED, INSPECTIONS SHALL BE CONDUCTED AT LEAST ONCE EVERY MONTH. THE CONTRACTOR SHALL ALSO INSPECT THAT CONTROLS INSTALLED IN THE FIELD AGREE WITH THE LATEST STORMWATER POLLUTION PREVENTION PLAN.

* POINTS OF DISCHARGE TO WATERS OF THE UNITED STATES.

* POINTS OF DISCHARGE TO MUNICIPAL SEPARATE STORM DRAIN SYSTEMS.

* DISTURBED AREAS OF THE SITE THAT HAVE NOT BEEN FINALLY STABILIZED.

* AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION.

* STRUCTURAL CONTROLS.

* STORMWATER MANAGEMENT SYSTEMS.

* LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE.

THE CONTRACTOR SHALL INITIATE REPAIRS WITHIN 24 HOURS OF INSPECTIONS THAT INDICATE ITEMS ARE NOT IN GOOD WORKING ORDER. IF INSPECTIONS INDICATE THAT THE INSTALLED STABILIZATION AND STRUCTURAL PRACTICES ARE NOT SUFFICIENT TO MINIMIZE EROSION, RETAIN SEDIMENT, AND PREVENT DISCHARGING POLLUTANTS, THE CONTRACTOR SHALL PROVIDE ADDITIONAL MEASURES, AS APPROVED BY THE ENGINEER.

5.0 NON-STORMWATER DISCHARGES:

IN THE SECTION 104 EROSION CONTROL PLAN, THE CONTRACTOR SHALL IDENTIFY ALL ANTICIPATED NON-STORMWATER DISCHARGES (EXCEPT FLOWS FROM FIRE FIGHTING ACTIVITIES). THE CONTRACTOR SHALL DESCRIBE THE PROPOSED MEASURES TO PREVENT POLLUTION OF THESE NON-STORMWATER DISCHARGES.

IF THE CONTRACTOR ENCOUNTERS CONTAMINATED SOIL OR GROUNDWATER DURING CONSTRUCTION, THE CONTRACTOR IS TO CEASE OPERATIONS IN THAT AREA. THE CONTRACTOR SHALL CONTACT THE COUNTY PROJECT ENGINEER WHO WILL DETERMINE COURSE OF ACTION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DEVELOP AN EROSION CONTROL PLAN TO ADDRESS NON-STORMWATER DISCHARGES THE COULD OCCUR DUE TO THE CONSTRUCTION OF THIS PROJECT.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO DEVELOP A DEWATERING SYSTEM, IF DEWATERING IS REQUIRED, THAT PROVIDES PRETREATMENT OF EFFLUENT PRIOR TO DISCHARGE INTO ADJACENT SURFACE WATERS. THE CONTRACTOR'S DEWATER/NG METHOD MUST MEET ALL FEDERAL, STATE, AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING THIS PRACTICE INCLUDING THE USE OF PERMITTED OUTFALL STRUCTURES.

Stanley Consultants INC.
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O. AMIN AHMED, P.E. NO. 52564

CR 880 AND SAM SENTER RD.
(INTERSECTION IMPROVEMENTS AND
BRIDGE REPLACEMENT)



PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

SCALE: NONE
APPROVED: A.A.
DRAWN: R.B.
CHECKED: R.O.
DATE: 08/22/24

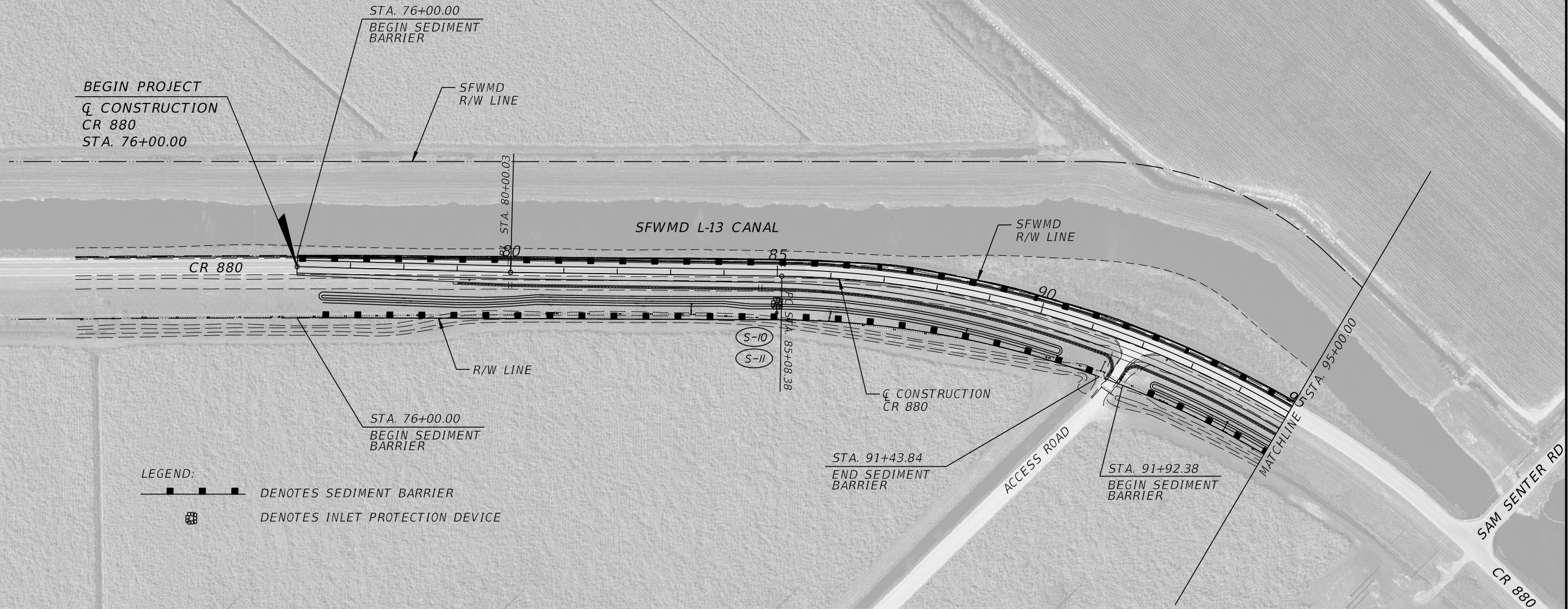
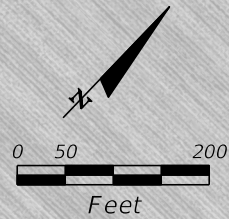
STORMWATER POLLUTION
PREVENTION PLAN

DESIGN FILE NAME
DRAINAGE\SWPPP02.DGN

DRAWING NO.

SHEET: 100
OF: 102

PROJECT NO.
2019803



Stanley Consultants INC.
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NO.	REVISION	BY	DATE



**PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION**
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

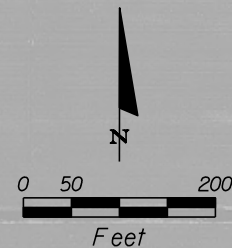
SCALE: 1"=200'
APPROVED: A.A.
DRAWN: D.H.
CHECKED: R.O.
DATE: 08/22/24

EROSION CONTROL PLAN

DESIGN FILE NAME
DRAINAGE EROSION01.DGN

DRAWING NO.

SHEET: 101
OF: 102
PROJECT NO.
2019803



END CONSTRUCTION
SAM SENTER ROAD
STA. 14+00.00

STA. 14+00.00
END SEDIMENT
BARRIER

Q CONSTRUCTION
SAM SENTER RD

STA. 12+00.00
BEGIN SEDIMENT
BARRIER

PI STA. 11+85.00

BEGIN
FLOATING
TURBIDITY
BARRIER

200'

160'

STA. 14+00.00
END FLOATING
TURBIDITY
BARRIER

END FLOATING
TURBIDITY
BARRIER

SFWMD
R/W LINE

END PROJECT
Q CONSTRUCTION
CR 880
STA. 118+85.53

STA. 118+85.53
END SEDIMENT
BARRIER

SFWMD L-13 CANAL

SFWMD
R/W LINE

CR 880

Q CONSTRUCTION
CR 880

R/W LINE

STA. 118+85.53
END SEDIMENT
BARRIER

STA. 98+60.00
END SEDIMENT
BARRIER

STA. 99+11.59
END SEDIMENT
BARRIER

STA. 99+50.94
BEGIN SEDIMENT
BARRIER

STA. 99+50.94
BEGIN SEDIMENT
BARRIER

LEGEND:

- ■ ■ DENOTES SEDIMENT BARRIER
- DENOTES INLET PROTECTION DEVICE
- > — DENOTES FLOATING TURBIDITY BARRIER

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SCALE: 1"=200'
APPROVED: A.A.
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EROSION CONTROL PLAN

DESIGN FILE NAME
DRAINAGE EROSION02.DGN

DRAWING NO.

SHEET: 102
OF: 102
PROJECT NO.
2019803