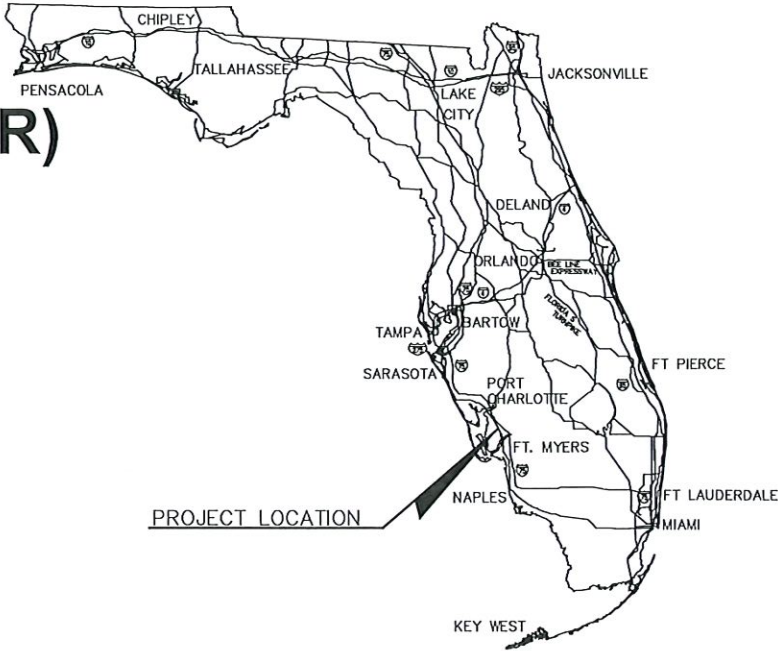


PROPOSED 36" RAW WATER MAIN
FROM SOUTHWEST AGGREGATE (RESERVOIR)
TO
CITY OF CAPE CORAL (GATOR SLOUGH)



PLANS PREPARED BY:
SED
Southwest Engineering & Design
25450 AIRPORT ROAD, SUITE B
PUNTA GORDA, FLORIDA 33950
PHONE: (941)637-9655
FAX: (941)637-1149
WEB: www.sedfl.com
CERTIFICATE OF AUTHORIZATION NO. 26551

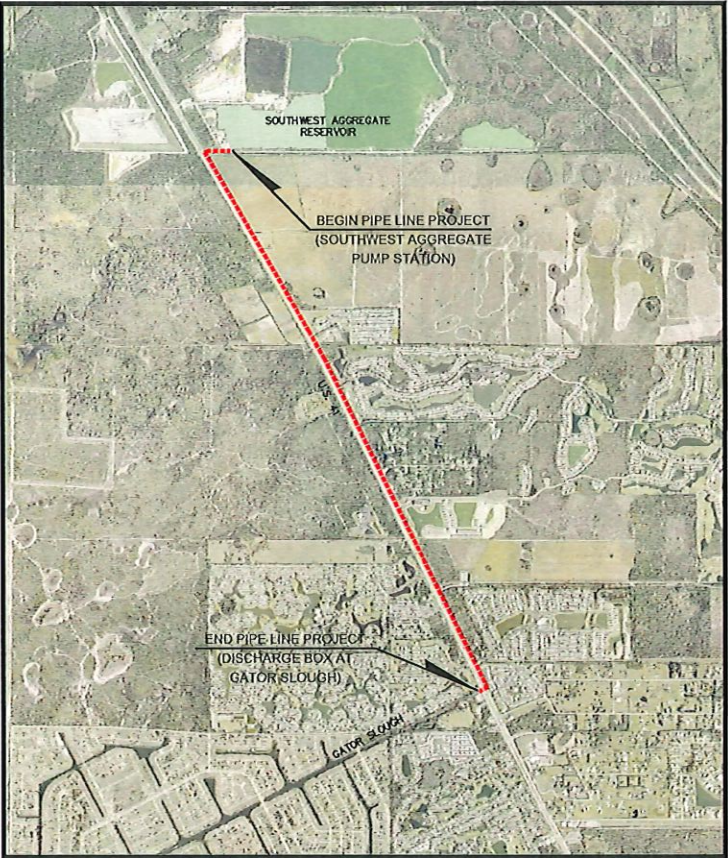
SURVEY AND PUMP STATION BY:
JOHNSON ENGINEERING
2122 JOHNSON STREET
FORT MYERS, FLORIDA 33901
PHONE (239) 334-0046
E.B. #642 & L.B. #642



GOVERNING STANDARDS AND SPECIFICATIONS:
FLORIDA DEPARTMENT OF TRANSPORTATION,
DESIGN STANDARDS DATED 2013,
AND STANDARD SPECIFICATIONS FOR ROAD AND
BRIDGE CONSTRUCTION DATED 2013,
AS AMENDED BY CONTRACT DOCUMENTS.

UTILITY NOTIFICATION

THE EXISTING FEATURES SHOWN WITHIN THESE PLANS, INCLUDING UTILITIES, HAVE BEEN COMPILED FROM SURVEYS AND INFORMATION PROVIDED BY THE RESPECTIVE UTILITY COMPANIES. THE ENGINEER MAKES NO CLAIM TO THE ACCURACY OF THE UTILITY LOCATIONS AS SHOWN ON THESE PLANS. THE CONTRACTOR SHALL NOTIFY ALL UTILITIES OF THE PROPOSED CONSTRUCTION AND IS RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES ON THE SITE AND ADJACENT PUBLIC R.O.W. DAMAGE TO EXISTING UTILITIES BY THE CONTRACTOR SHALL BE REPLACED IN LIKE KIND TO THE SATISFACTION OF THE RESPECTIVE UTILITY OWNER. ALL COSTS TO REMEDY DAMAGES TO EXISTING UTILITIES SHALL BE BORNE BY THE CONTRACTOR.



PROJECT MAP

SED PROJECT # 15-0252

PLAN SUBMITTALS	
DATE	DESCRIPTION
7/28/22	60% DESIGN PLANS (CITY OF CAPE CORAL)
11/15/22	75% DESIGN PLANS (FDOT)
1/04/23	90% DESIGN PLANS (CITY OF CAPE CORAL)
3/24/23	100% DESIGN PLANS (CITY OF CAPE CORAL)
5/22/23	FINAL DESIGN PLANS (CITY OF CAPE CORAL)
11/08/23	CONSTRUCTION PLANS (CITY OF CAPE CORAL)
02/14/24	REVISED CONSTRUCTION PLANS (CITY OF CAPE CORAL)
02/11/25	REVISED CONSTRUCTION PLANS (CITY OF CAPE CORAL)
04/08/25	REVISED PERMIT PLANS (SWFWM)



Digitally signed by Edward P Lomski
DN: C=US, O=Unaffiliated,
dnQualifier=A01410C00000
1909374849A000E95FC,
CN=Edward P Lomski
Date: 2025-04-16 10:30:42

COMPONENTS OF CONTRACT PLAN SET

RAW WATER PIPE LINE PLANS
PUMP STATION PLANS (P)

INDEX OF RAW WATER PLANS

SHEET NO.	SHEET DESCRIPTION
1.0	COVER SHEET
2.0	GENERAL NOTES / TYPICAL SECTIONS
3.0	AERIAL / PROJECT LIMITS
4.1 - 4.2	MASTER UTILITY PLAN
5.1 - 5.2	PLAN INDEX
6.1 - 6.34	PLAN AND PROFILES
7.1 - 7.5	CROSS SECTIONS
8.1 - 8.2	PUMP STATION ACCESS PLANS
9.1 - 9.2	PROJECT DETAILS
10.0	BEST MANAGEMENT PRATICES

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State of Florida, Professional Engineer
License No. 62507
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FISCAL YEAR	SHEET NO.
	1

4/10/2025 11:19:54 AM - P:\15-0252 SOUTHWEST AGGREGATES\15-0252.06 CAPE CORAL 30 INCH RAW WATER LINE\DESIGN\CADD\PLAN SET\2.0_GENERAL NOTES.DWG - DEV GANESH

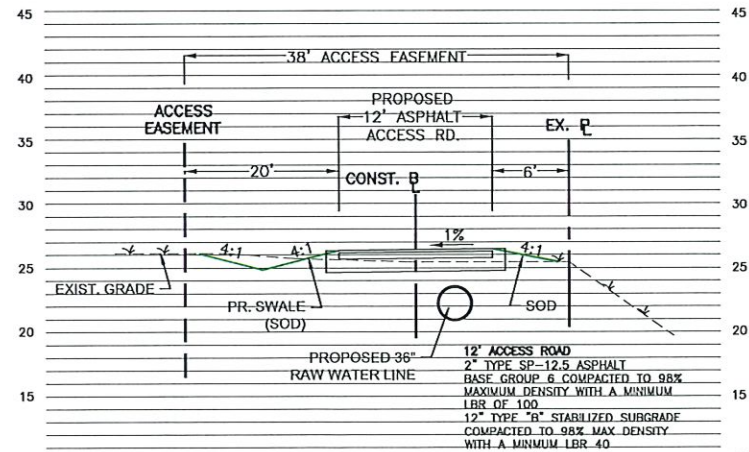
GENERAL NOTES

- ALL FIELD LAYOUT AND SURVEYING FOR CONSTRUCTION OF THIS PROJECT SHALL BE PROVIDED BY THE CONTRACTOR AT THEIR EXPENSE; UNDER THE DIRECTION OF A LICENSED PROFESSIONAL LAND SURVEYOR.
- EXISTING SUBSURFACE UTILITY HORIZONTAL ALIGNMENTS WERE ESTABLISHED THROUGH THE USE OF AVAILABLE RECORDS AND, THEREFORE, ARE SHOWN IN APPROXIMATE LOCATIONS. THE CONTRACTOR SHALL NOTIFY THE RESPECTIVE UTILITY COMPANIES NO LATER THAN 72 HOURS PRIOR TO COMMENCING WORK IN A SPECIFIC AREA. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE VERIFICATION OF ALL UTILITIES SIZE AND LOCATIONS WITHIN THE WORK AREA PRIOR TO BEGINNING WORK IN THE SPECIFIC AREA. IF CONFLICTS ARE ENCOUNTERED WITH EXISTING SUBSURFACE UTILITIES DURING CONSTRUCTION, CONTRACTOR SHALL COORDINATE WITH UTILITIES INSPECTOR.
- BURIED PHONE LINES EXIST THROUGHOUT THE LIMITS OF WORK BUT MAY NOT BE IDENTIFIED ON THE DRAWINGS. PROCEED WITH CAUTION TO MAINTAIN THE PHONE SERVICES. DAMAGES TO, OR RELOCATION OF PHONE LINES DURING CONSTRUCTION SHALL BE REPORTED IMMEDIATELY TO AND/OR COORDINATED WITH TELEPHONE COMPANY AND REPAIRED OR RELOCATED AT THE CONTRACTOR'S EXPENSE.
- OVERHEAD AND UNDERGROUND ELECTRIC LINES EXIST THROUGHOUT THE LIMITS OF WORK BUT MAY NOT BE SHOWN ON THE DRAWINGS. PROCEED WITH CAUTION TO PROTECT THE ELECTRIC LINES AND POLES. DAMAGES TO, OR RELOCATION OF ELECTRIC LINES OR POLES SHALL BE REPORTED IMMEDIATELY TO AND/OR COORDINATED WITH POWER COMPANY AND REPAIRED OR RELOCATED AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL ARRANGE AND PAY FOR ALL UTILITY POLE BRACING REQUIRED BY HIS OPERATIONS. IF CONFLICTS ARE ENCOUNTERED WITH ELECTRIC LINES UTILITIES DURING CONSTRUCTION, CONTRACTOR SHALL COORDINATE WITH UTILITIES INSPECTOR.
- BURIED CABLE AND FIBER OPTIC LINES EXIST THROUGHOUT THE LIMITS OF WORK BUT MAY NOT BE SHOWN ON THE DRAWINGS. PROCEED WITH CAUTION TO PROTECT THE BURIED CABLE AND FIBER OPTIC LINES. DAMAGES TO OR RELOCATION OF CABLE AND FIBER OPTIC LINES SHALL BE REPORTED IMMEDIATELY TO AND/OR COORDINATED WITH THE CABLE COMPANY AND REPAIRED OR RELOCATED AT THE CONTRACTOR'S EXPENSE. IF CONFLICTS ARE ENCOUNTERED WITH CABLE AND FIBER LINES UTILITIES DURING CONSTRUCTION, CONTRACTOR SHALL COORDINATE WITH UTILITIES INSPECTOR.
- THE CONTRACTOR SHALL MINIMIZE THE DISRUPTION OF SERVICE TO ANY EXISTING FIRE HYDRANTS. THE FIRE DEPARTMENT SHALL BE NOTIFIED A MINIMUM OF 72 HOURS IN ADVANCE OF ANY AND ALL WORK REQUIRING DISRUPTION.
- LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES EXPOSED DURING CONSTRUCTION SHALL BE ACCURATELY RECORDED ON THE CONSTRUCTION DRAWINGS. IF CONFLICTS ARE ENCOUNTERED DURING CONSTRUCTION, CONTRACTOR SHALL COORDINATE WITH CHARLOTTE COUNTY UTILITIES INSPECTOR.
- FOR CONFLICT ADJUSTMENTS OF THE PROPOSED RAW WATER PIPE, PIPE DEFLECTION SHALL MEET REQUIREMENTS SET FORTH IN THE SPECIFICATION MANUAL. OTHERWISE, UTILIZE FITTINGS TO MATCH CURVATURE, AS REQUIRED. CONTRACTOR SHALL COORDINATE ALL CONFLICT ADJUSTMENTS WITH THE UTILITIES INSPECTOR.
- ALL PROPOSED PIPE DEFLECTIONS SHALL BE CONSISTENT WITH MANUFACTURER'S SPECIFICATIONS.
- THE CONTRACTOR SHALL ADJUST (AS REQUIRED) PIPELINE ALIGNMENTS HORIZONTALLY AND/OR VERTICALLY TO AVOID CONFLICTS WITH ACTUAL FIELD CONDITIONS AS UNCOVERED DURING CONSTRUCTION. FIELD ADJUSTMENT SHALL BE COORDINATED WITH, AND APPROVED BY THE UTILITIES INSPECTOR.
- THE CONTRACTOR SHALL PROVIDE ALL DEWATERING EQUIPMENT NECESSARY TO KEEP ALL EXCAVATIONS DRY AND SHALL PROVIDE ALL SHORING, SHEETING, AND BRACING NECESSARY TO PROTECT WORKMEN, ADJACENT STRUCTURES, UTILITIES, EXISTING PAVEMENT, OR TO MINIMIZE TRENCH WIDTH.

UTILITY DESIGN NOTES

PRESSURE PIPE STANDARDS ARE AS FOLLOWS UNLESS OTHERWISE NOTED:

RAW WATER MAIN (36") - D.I. (ANSI/AWWA C150) (O.D.=38.30)
RAW WATER MAIN (42") - D.I. (ANSI/AWWA C150) (O.D.=44.50)



TYPICAL SECTION (PUMP SITE ACCESS RD.)
(STA. 101+25 TO STA 107+75)
(SCALE: NTS)

36" RAW WATER PIPE LINE PROJECT

SURVEY CONTROL NOTES

- ALL ELEVATIONS SHOWN ARE IN FEET AND ARE BASED ON:
HORIZONTAL DATUM, (NAD 83) FLORIDA STATE PLAN, WEST ZONE US FOOT
VERTICAL DATUM, NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88)
- THE CONTRACTOR SHALL RESET ALL HORIZONTAL AND VERTICAL CONTROL POINTS OVERLAID OR DESTROYED DURING CONSTRUCTION.
- ALL PUBLIC LAND CORNER AND AGENCY MONUMENTATION WITHIN THE LIMITS OF R/W IS TO BE PROTECTED. IF A MONUMENT IS IN DANGER OF BEING DESTROYED AND HAS NOT BEEN PROPERLY REFERENCED THE CONTRACTOR SHALL NOTIFY THE COUNTY SURVEYOR OFFICE.

CONSTRUCTION NOTES

- THERE SHALL BE NO CHANGE OR DEVIATION TO THE CONTRACT DOCUMENTS WITHOUT PRIOR WRITTEN APPROVAL FROM THE ENGINEER.
- BEFORE BEGINNING EXCAVATION IN THE AREA, THE CONTRACTOR SHALL NOTIFY SUNSHINE 811 UNDERGROUND UTILITY NOTIFICATION CENTER AT 1-800-432-4770 AND ALSO ANY OTHER UTILITIES WHICH MIGHT BE AFFECTED AT LEAST 48 HOURS IN ADVANCE. ALL UTILITY OWNERS MAY NOT BE A MEMBER OF THE SUNSHINE 811 PROGRAM; DIRECT CONTACT OF THESE UTILITIES BY THE CONTRACTOR IS REQUIRED.
- PUBLIC ACCESS TO BUSINESSES AND RESIDENCES MUST BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION.
- THE CONTRACTOR SHALL HAVE COPIES OF ALL APPLICABLE PERMITS ON SITE AT ALL TIMES.
- ALL AIR RELEASE VALVES (ARV) LOCATIONS SHALL BE COORDINATED WITH CITY OF CAPE CORAL DURING CONSTRUCTION IN REGARDS TO FINAL LOCATION.
- ALL CLEARING AND GRUBBING DEBRIS IS TO BE REMOVED FROM THE SITE

TRENCH SAFETY ACT (FLORIDA STATUE 553.63)

ON ALL SPECIFIC CONTRACTS FOR TRENCH EXCAVATION IN WHICH SUCH EXCAVATION WILL EXCEED A DEPTH OF 5 FEET:

- THE CONTRACT BID SUBMITTED BY THE CONTRACTOR WHO WILL PERFORM SUCH EXCAVATION SHALL INCLUDE:
 - A REFERENCE TO THE TRENCH SAFETY STANDARDS THAT WILL BE IN EFFECT DURING THE PERIOD OF CONSTRUCTION OF THE PROJECT.
TERMS USED IN FLORIDA STATUTES 553.63
CONTRACT: A LEGAL WRITTEN AGREEMENT THAT BECOMES BINDING WHEN SIGNED.
 - WRITTEN ASSURANCE BY THE CONTRACTOR PERFORMING THE TRENCH EXCAVATION THAT SUCH CONTRACTOR WILL COMPLY WITH THE APPLICABLE TRENCH SAFETY STANDARDS.
 - A SEPARATE ITEM IDENTIFYING THE COST OF COMPLIANCE WITH THE APPLICABLE TRENCH SAFETY STANDARDS.
- A CONTRACTOR PERFORMING TRENCH EXCAVATION SHALL:
 - AS A MINIMUM, COMPLY WITH THE EXCAVATION SAFETY STANDARDS WHICH ARE APPLICABLE TO A PROJECT.
 - ADHERE TO ANY SPECIAL SHORING REQUIREMENTS, IF ANY, OF THE STATE OR OTHER POLITICAL SUBDIVISIONS WHICH MAY BE APPLICABLE TO SUCH A PROJECT.
 - IF ANY GEOTECHNICAL INFORMATION IS AVAILABLE FROM THE OWNER, THE CONTRACTOR, OR OTHERWISE, THE CONTRACTOR PERFORMING TRENCH EXCAVATION SHALL CONSIDER THIS INFORMATION IN THE CONTRACTOR'S DESIGN OF THE TRENCH SAFETY SYSTEM WHICH IT WILL EMPLOY ON THE PROJECT. THIS PARAGRAPH SHALL NOT REQUIRE THE OWNER TO OBTAIN GEOTECHNICAL INFORMATION.

EXISTING SYMBOL LEGEND

W	EXIST. WATER MAIN
RE	EXIST. RECLAIM MAIN
FM	EXIST. FORCEMAIN MAIN
	EXIST. OVERHEAD POWER LINE
	EXIST. RIGHT OF WAY LINE
	EXIST. EASEMENT LINE
	EXIST. CONC. UTILITY POLE
	EXIST. WOOD UTILITY POLE
	EXIST. UTILITY POLE GUY ANCHOR
	EXIST. LIGHT POLE
	EXIST. SIGN
	EXIST. ELECTRIC METER
	EXIST. WATER METER
	EXIST. VALVE
	EXIST. FIRE HYDRANT
	EXIST. SANITARY SEWER MANHOLE

PROPOSED SYMBOL LEGEND

36" RW	PROPOSED 36" D.I. RAW WATER MAIN
	PROPOSED RAW WATER MAIN IN STEEL CASING BY JACK & BORE
	PROPOSED VALVE
	PROPOSED BEND
	PROPOSED AIR RELEASE VALVE

PRIVATE UTILITIES CONTACTS

Lee County Electric Cooperative
4980 Bayline Drive
Fort Myers, FL 33917
239-995-2121 (Office)

Comcast
Steve Hoffman
5205 Fruitville Road
Sarasota, FL 34232
941-342-3578
239-253-7505
Gonzalo_Rojas@cable.comcast.com
Paul_Bahizi@cable.comcast.com

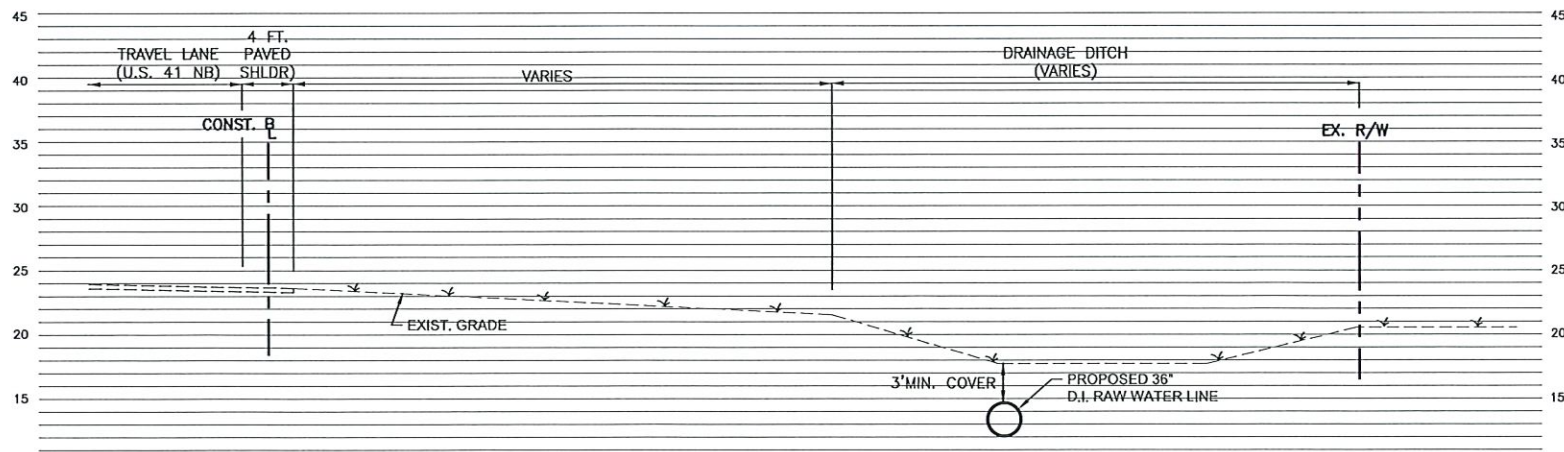
CenturyLink
Ronald O. Smith
4195 Kings Highway
Port Charlotte, FL 33980
941-637-5167 (Off.)
941-380-5777 (Cell)
Bryan.Corrigan@centurylink.com
Ronald.O.Smith@centurylink.com

TECO (Peoples Gas)
Marilyn D. Aloï or Tracy Yaliedy
5901 Enterprise Parkway
Fort Myers, FL 33905
239-690-5517
mdaloi@tecoenergy.com
atyaliedy@tecoenergy.com

Cape Coral Utilities
815 Nicholas Parkway,
East Cape Coral, FL 33990
239-242-3853

Lee County Utilities
7391 College Parkway
Fort Myers, FL 33907
239-533-8845

Florida Governmental Utility Authority
9841 Bernwood Pl Dr.
Suite 120
Fort Myers, FL 33966
239-368-1615



TYPICAL SECTION (U.S. 41)
(STA. 202+00 TO STA 386+00)
(SCALE: NTS)

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Certificate of Authorization
No. 26551

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SOUTHWEST AGGREGATE (RESERVOIR)
TO
CITY OF CAPE CORAL (GATOR SLOUGH)
36" RAW WATER PIPE LINE

REVISIONS	DATE
DESCRIPTION	
NO.	
DATE:	APRIL, 2025
PROJECT NO.	15-0252.06
FILE NO.	-
SCALE:	AS NOTED

TYPICAL SECTIONS
AND
GENERAL NOTES

SHEET NUMBER
2.0

Edward P. Lamaki Jr., P.E.
State of Florida, Professional Engineer
License No. 82507

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SOUTHWEST AGGREGATE (RESERVOIR)
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36" RAW WATER PIPE LINE

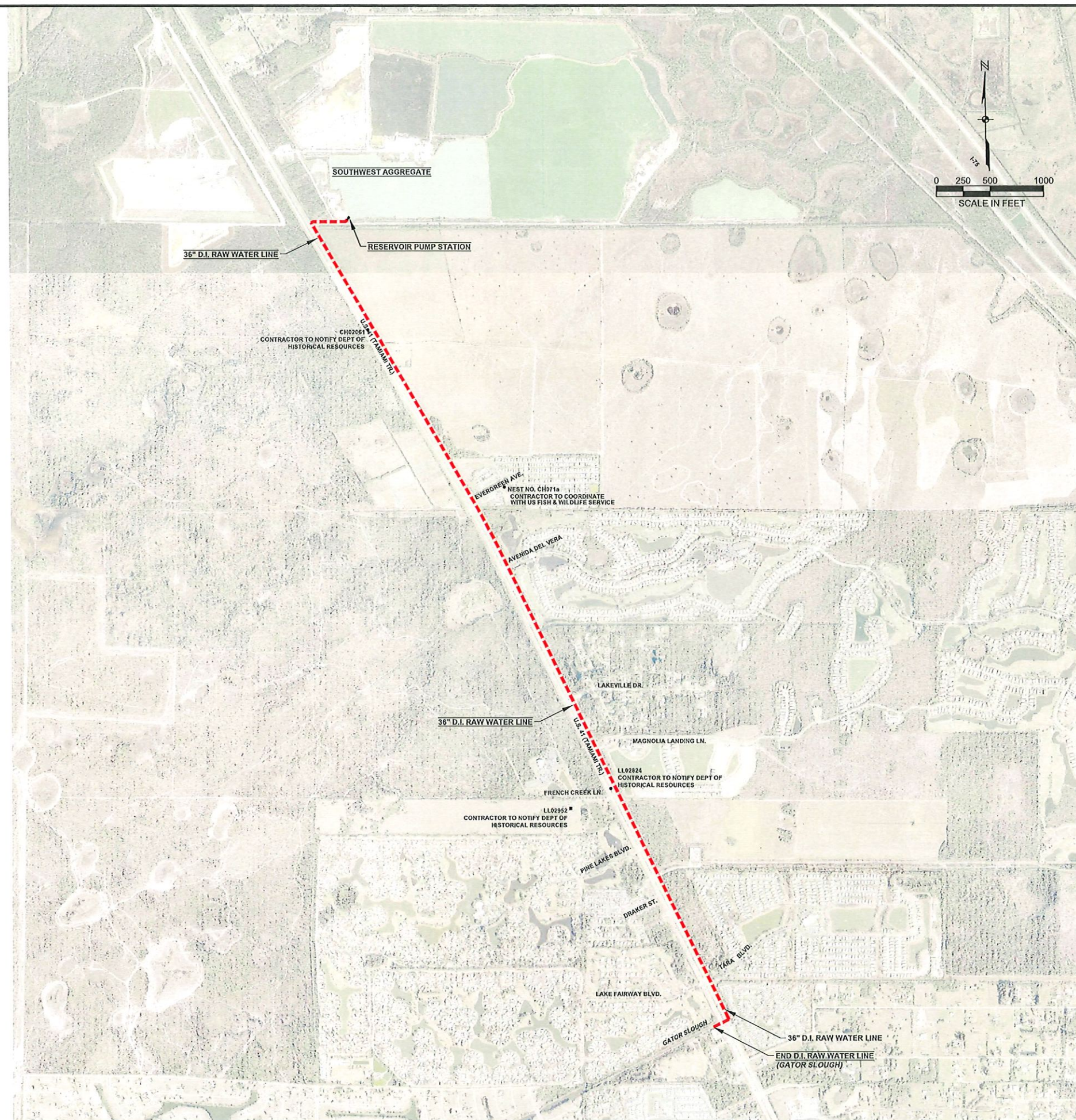
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PROJECT NO.	15-0252.0
FILE NO.	
SCALE:	AS NOTED

AERIAL MAP

SHEET NUMBER

3.0





SOUTHWEST AGGREGATE (RESERVOIR)
TO
CITY OF CAPE CORAL (GATOR SLOUGH)
36" RAW WATER PIPE LINE

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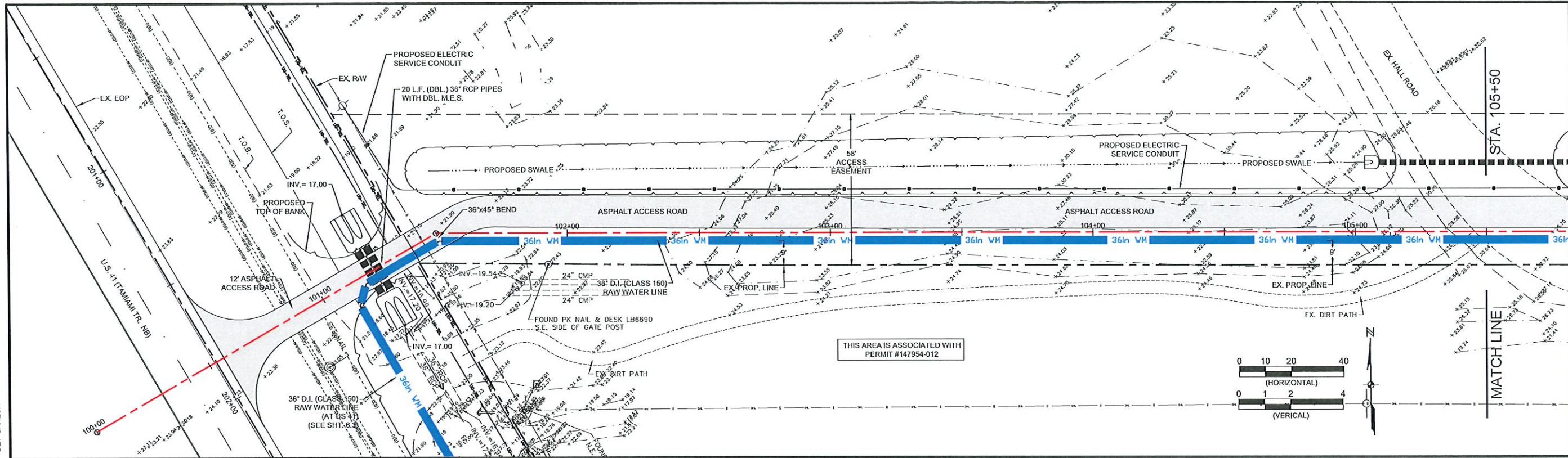
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PROJECT NO.	15-0252.06
FILE NO.	-
SCALE:	AS NOTED

MASTER
UTILITY
PLAN

SHEET NUMBER

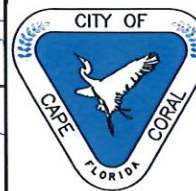
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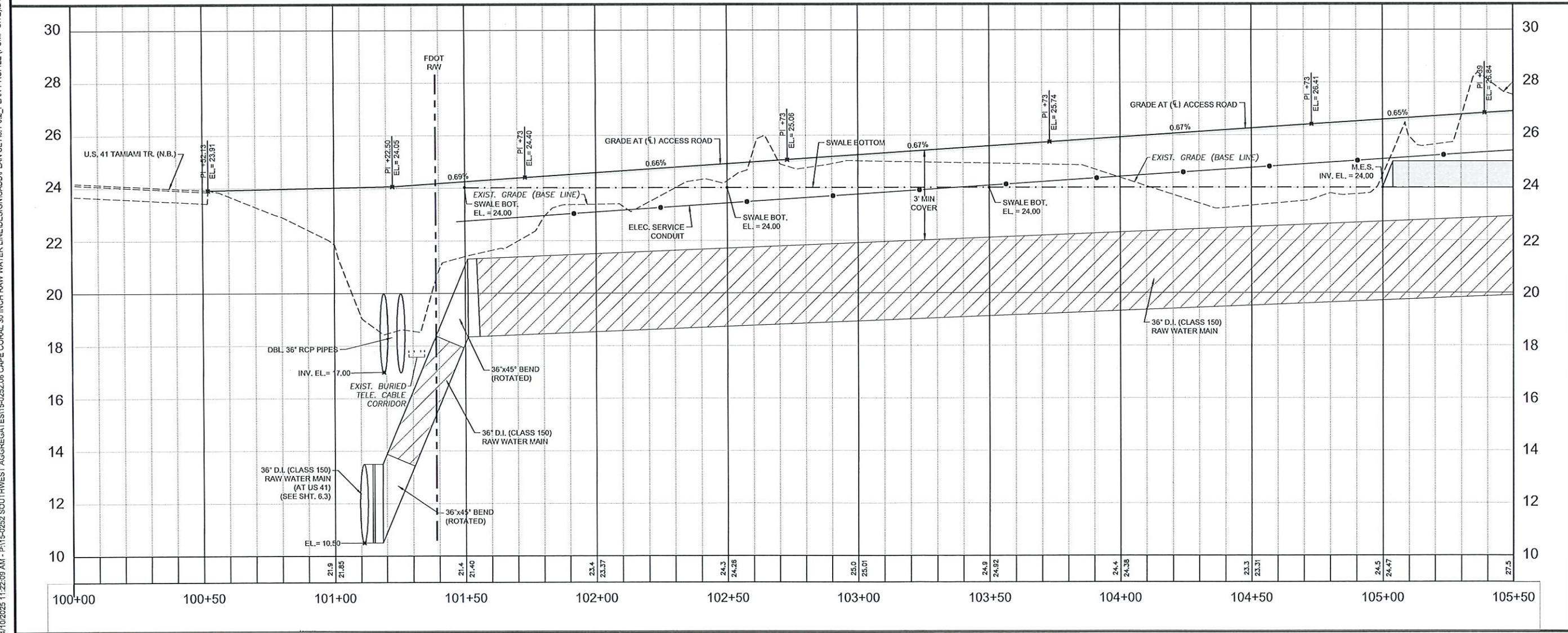


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SOUTHWEST AGGREGATE (RESERVOIR)
TO
CITY OF CAPE CORAL (GATOR SLOUGH)
36" RAW WATER PIPE LINE



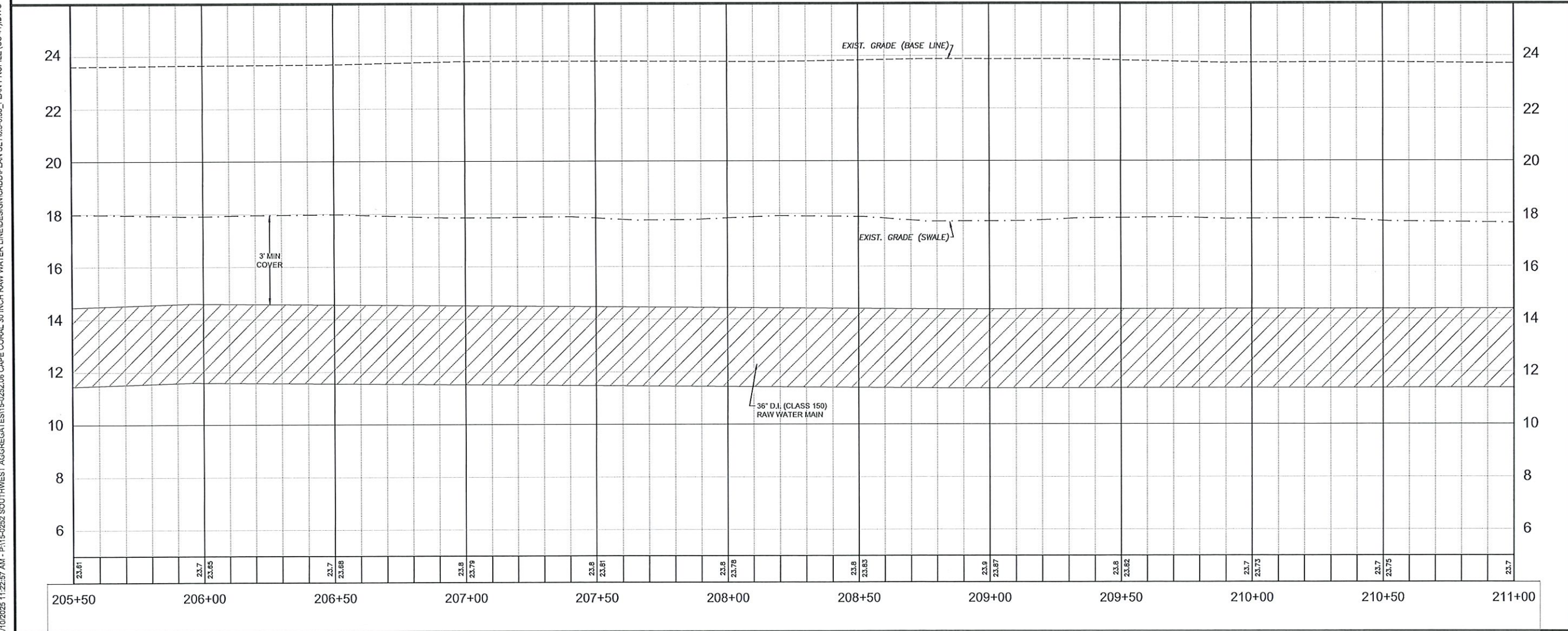
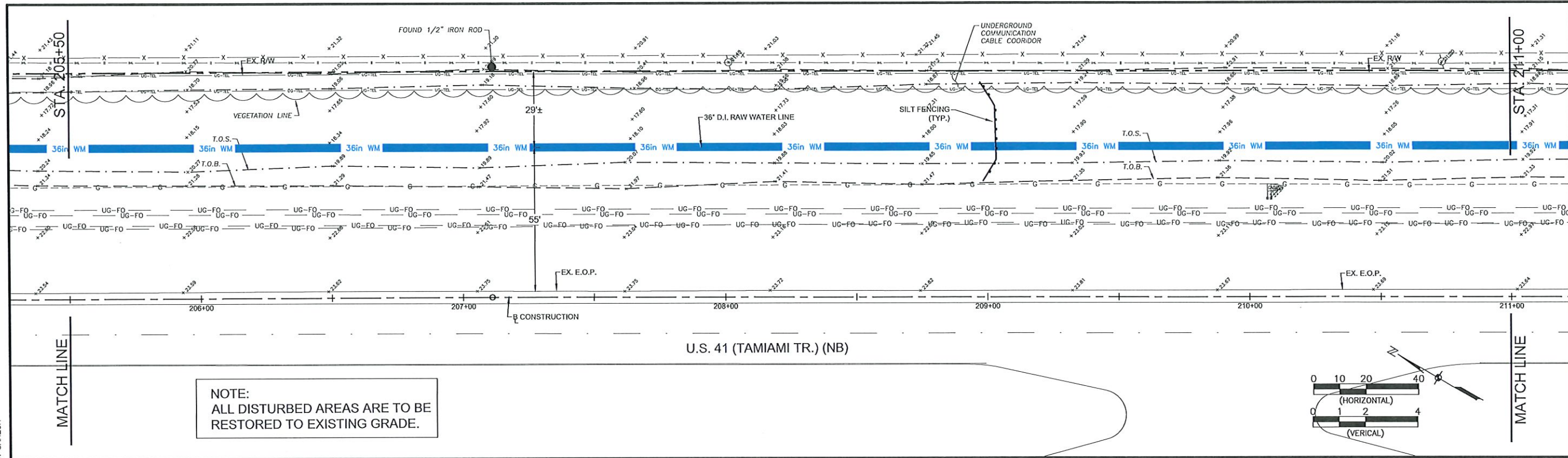
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DATE: APRIL, 2025
PROJECT NO. 15-0252.06
FILE NO. -
SCALE: AS NOTED

PLAN AND PROFILE

SHEET NUMBER
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CITY OF
CAPE CORAL
FLORIDA

SOUTHWEST AGGREGATE (RESERVOIR)
TO
CITY OF CAPE CORAL (GATOR SLOUGH)
36" RAW WATER PIPE LINE

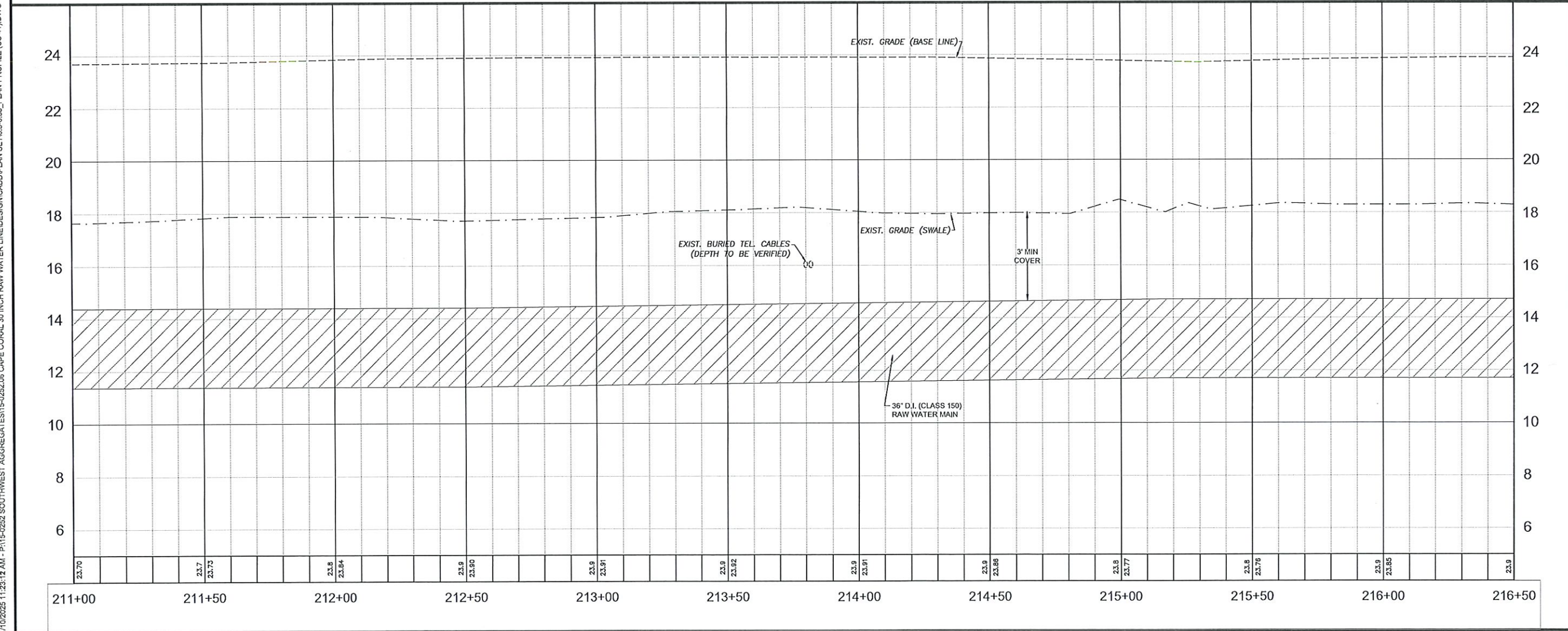
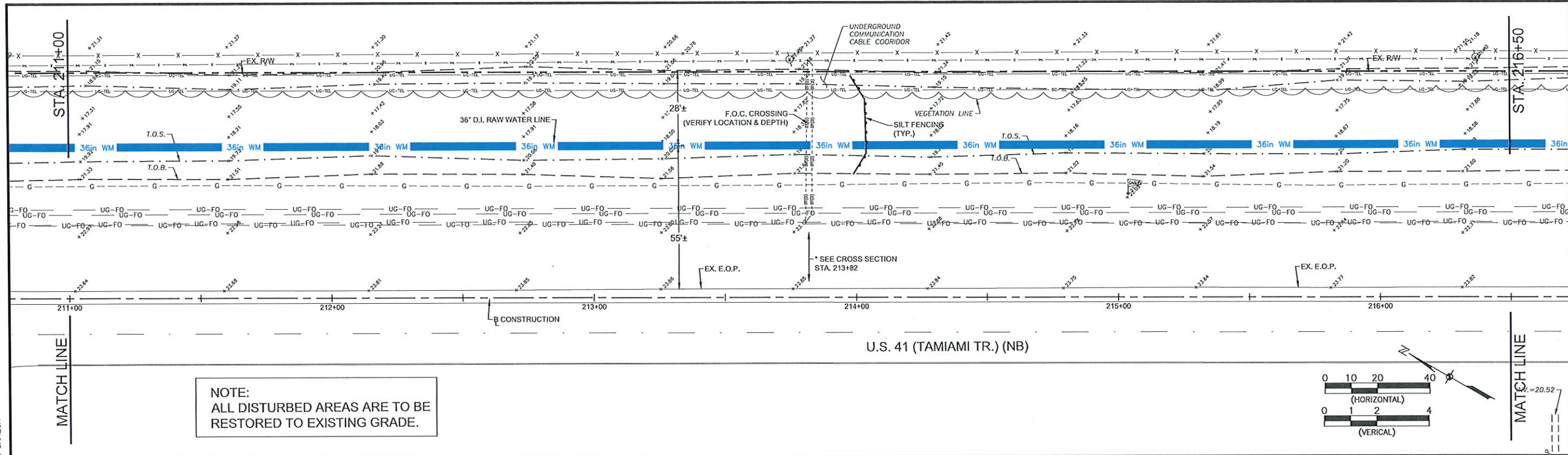
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DATE: APRIL, 2025
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FILE NO. -
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PLAN AND PROFILE

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FLORIDA

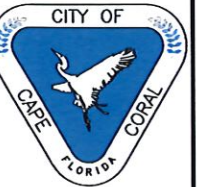
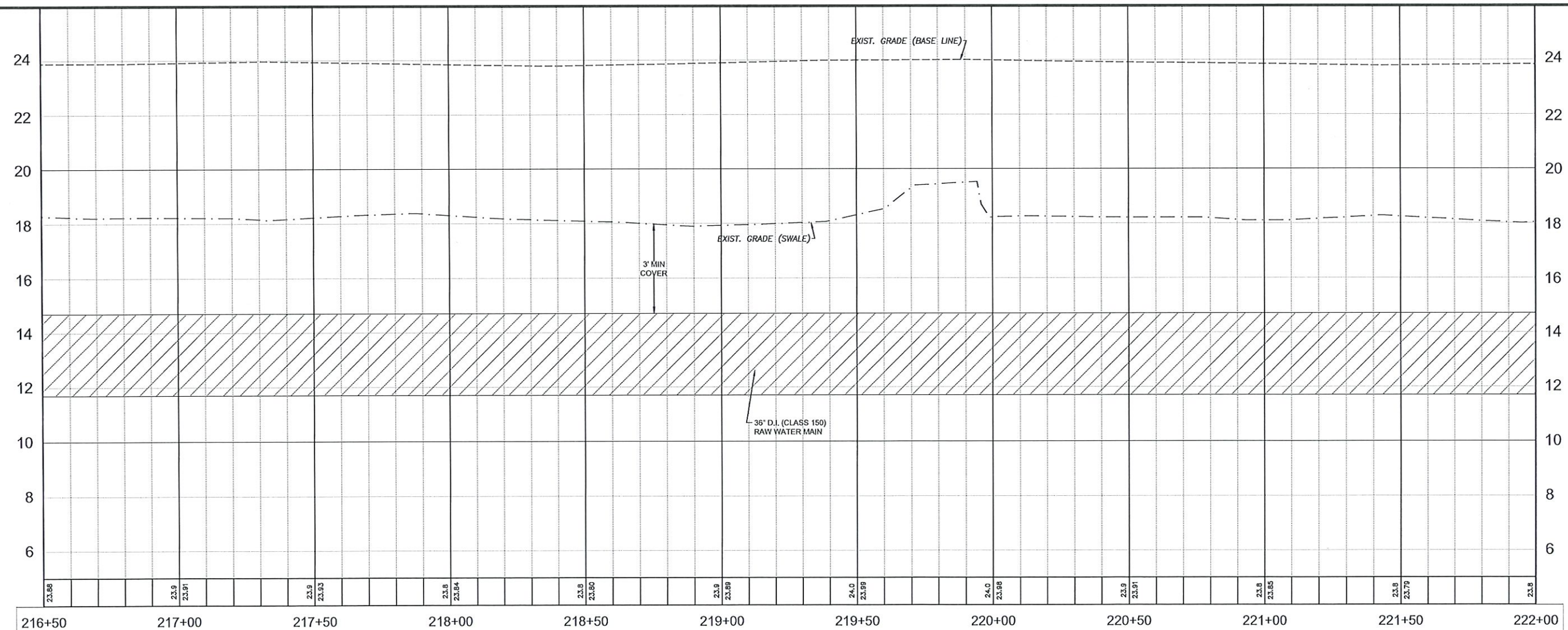
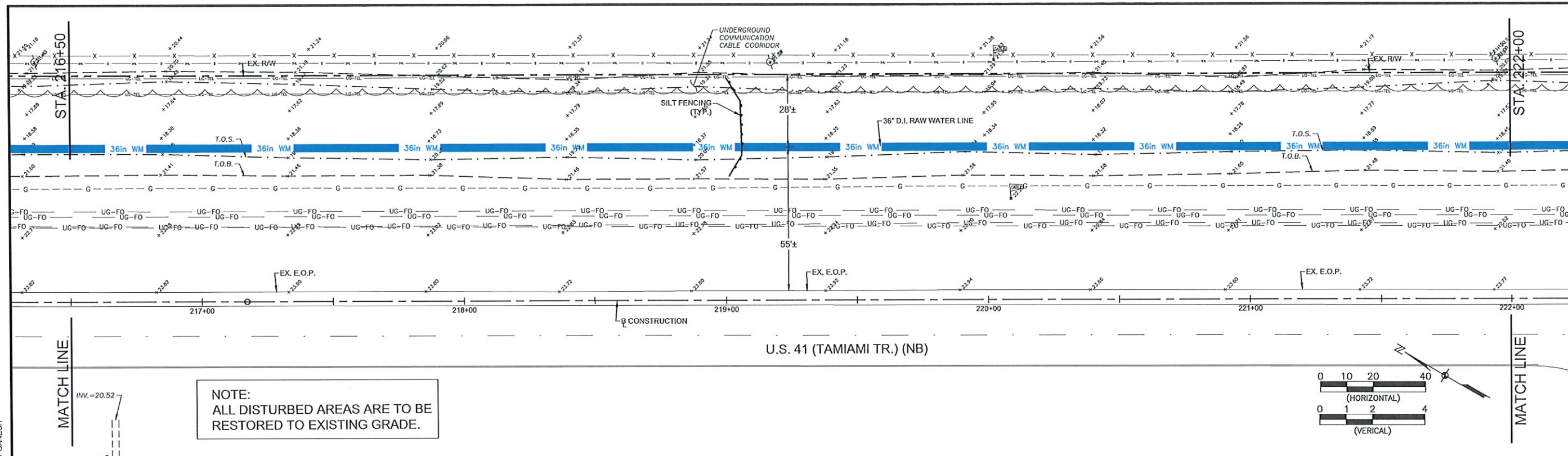
**SOUTHWEST AGGREGATE (RESERVOIR) TO
CITY OF CAPE CORAL (GATOR SLOUGH)
36" RAW WATER PIPE LINE**

NO.	REVISIONS	DESCRIPTION	DATE

DATE: APRIL, 2025
PROJECT NO. 15-0252.06
FILE NO. -
SCALE: AS NOTED

PLAN AND PROFILE

SHEET NUMBER
6.5



SOUTHWEST AGGREGATE (RESERVOIR)
TO
CITY OF CAPE CORAL (GATOR SLOUGH)
36" RAW WATER PIPE LINE

REVISIONS		DATE
NO.	DESCRIPTION	

DATE: APRIL, 2025

PROJECT NO. 15-0252.06

FILE NO. -

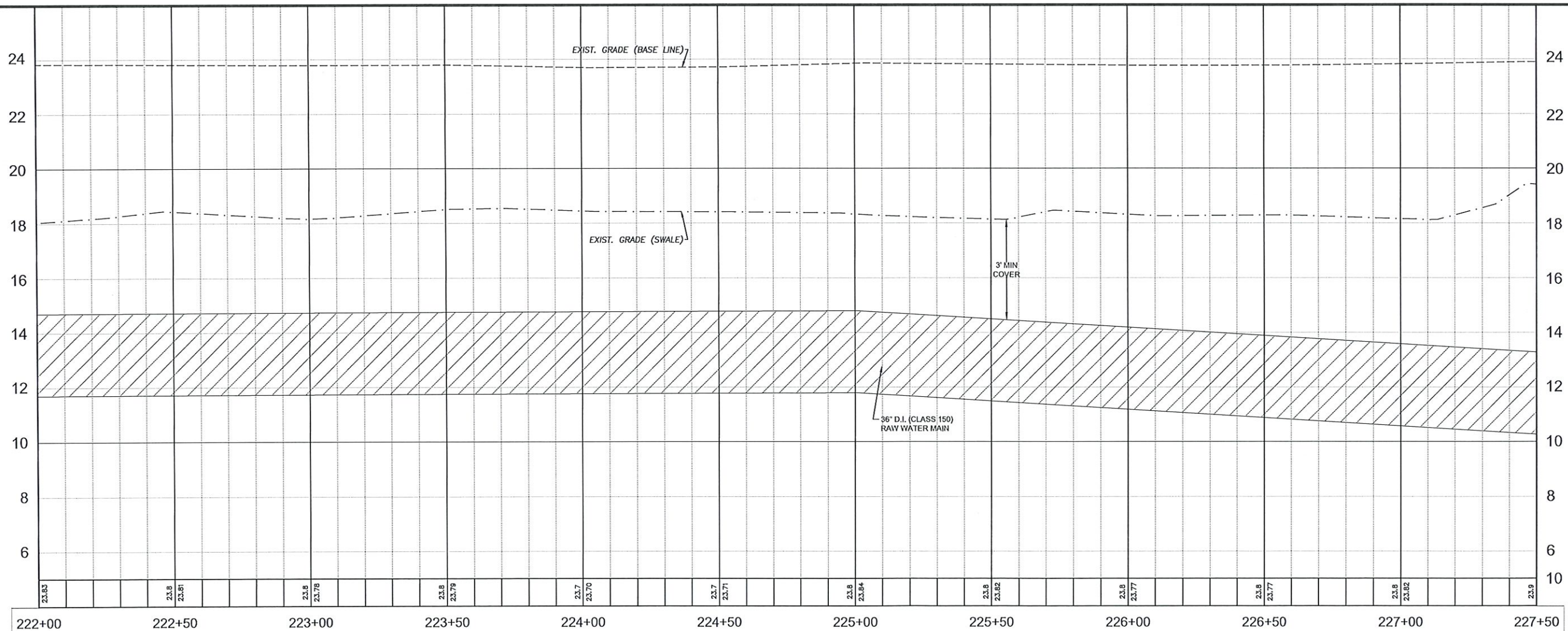
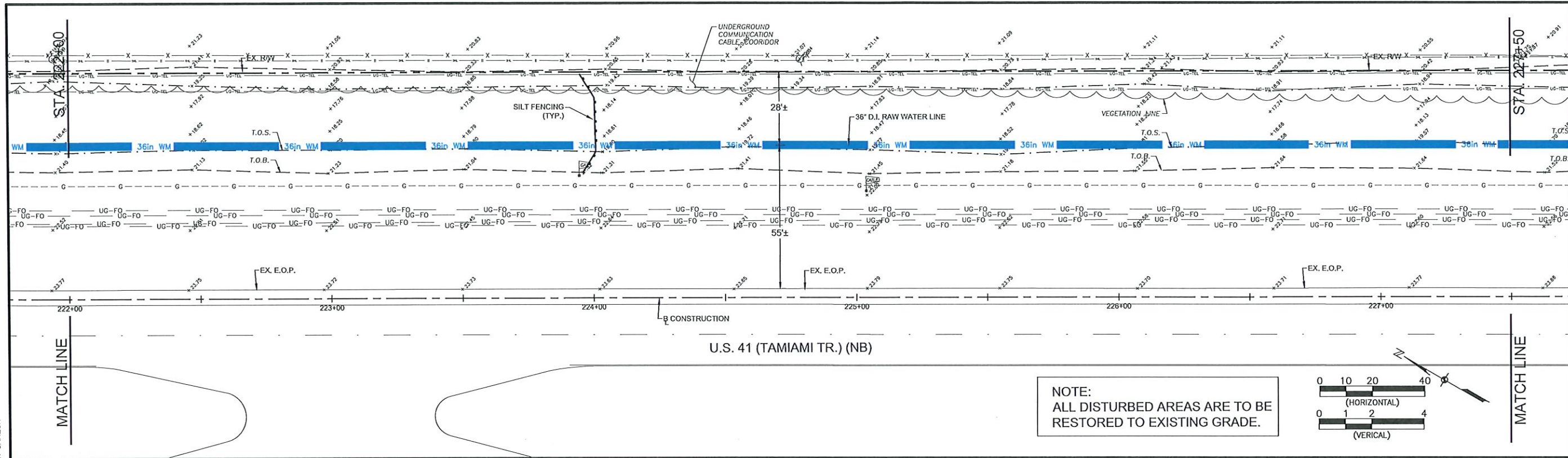
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PLAN AND PROFILE

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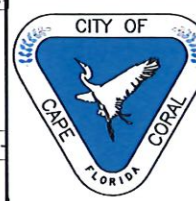
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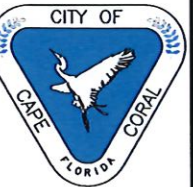
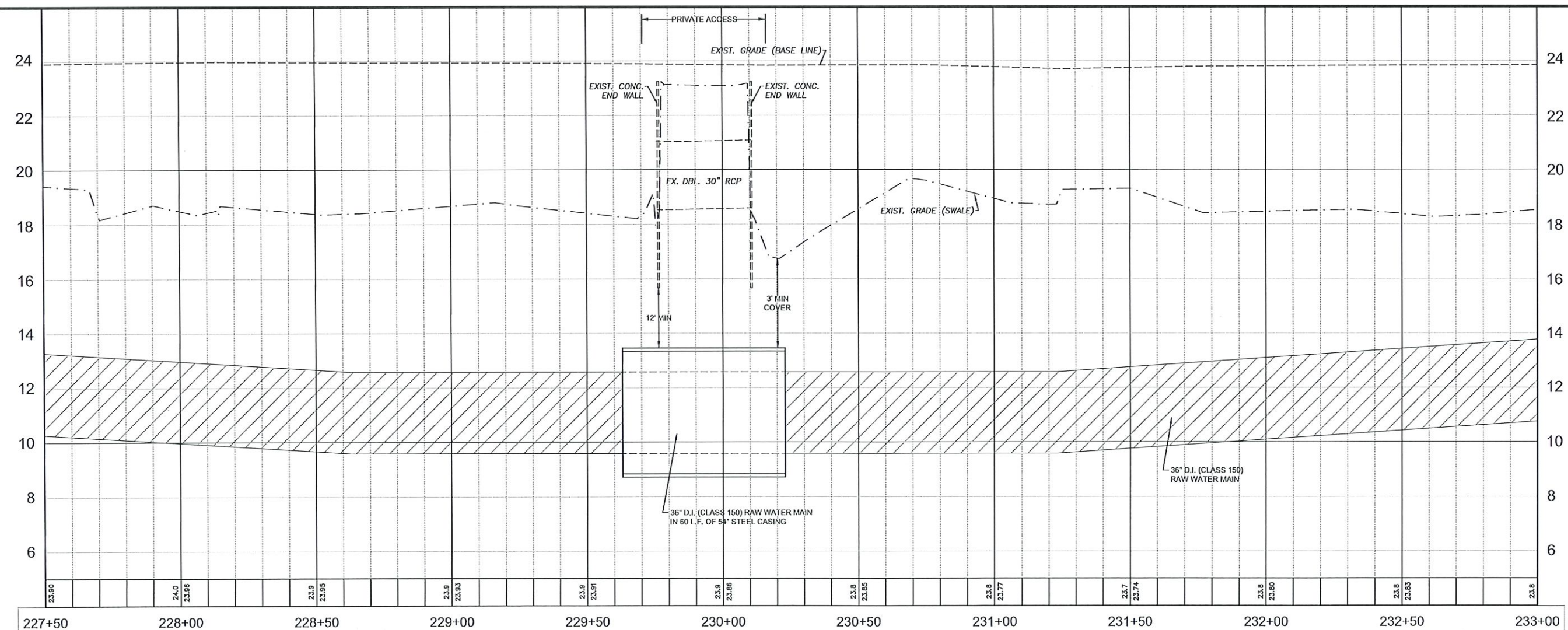
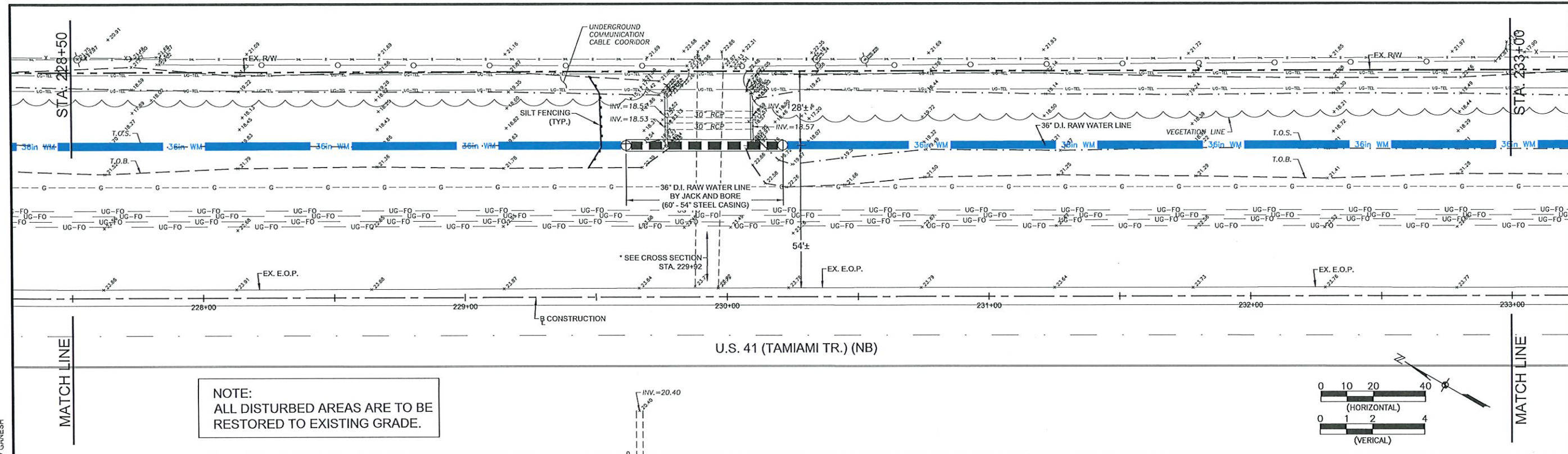
SOUTHWEST AGGREGATE (RESERVOIR)
TO
CITY OF CAPE CORAL (GATOR SLOUGH)
36" RAW WATER PIPE LINE

NO.	REVISIONS DESCRIPTION	DATE

DATE: APRIL, 2025
PROJECT NO. 15-0252.06
FILE NO. -
SCALE: AS NOTED

PLAN AND
PROFILE

SHEET NUMBER
6.7



SOUTHWEST AGGREGATE (RESERVOIR)
TO
CITY OF CAPE CORAL (GATOR SLOUGH)
36" RAW WATER PIPE LINE

REVISIONS		DATE
NO.	DESCRIPTION	

DATE: APRIL, 1955

PROJECT NO. 15-0252.06

FILE NO. -

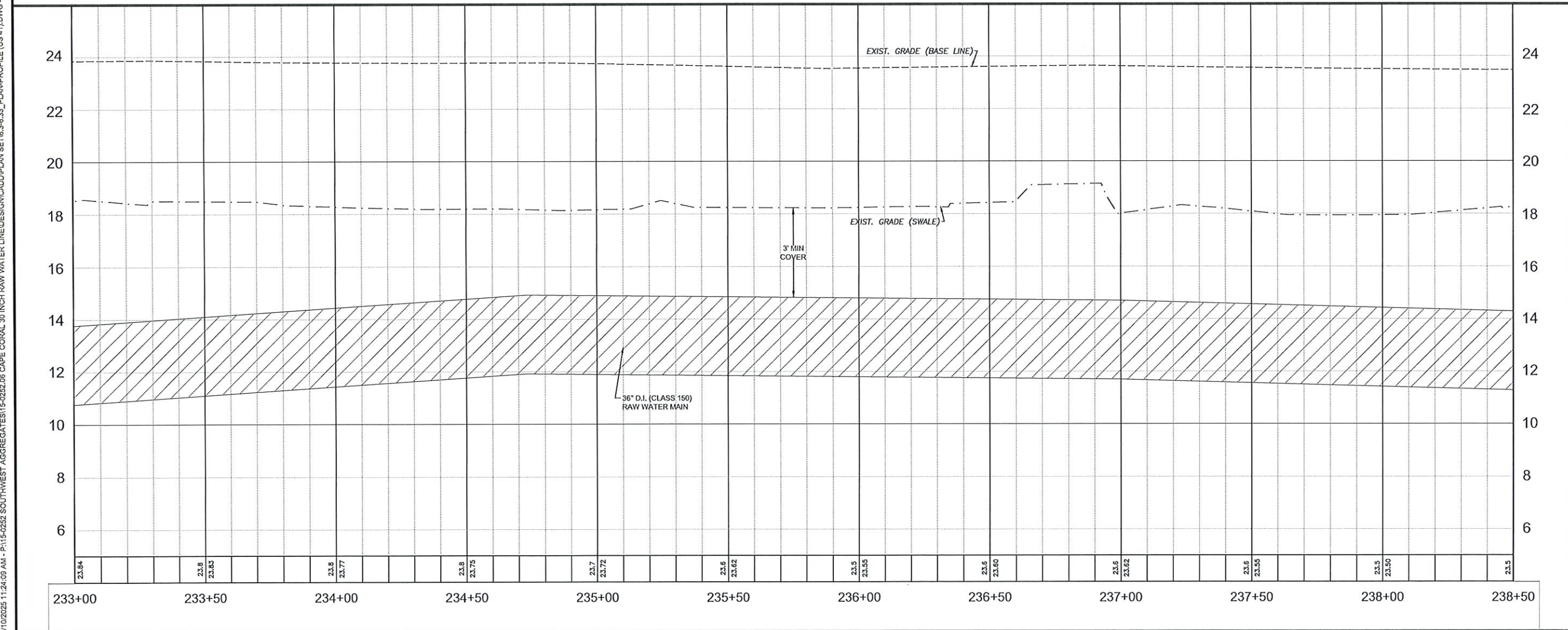
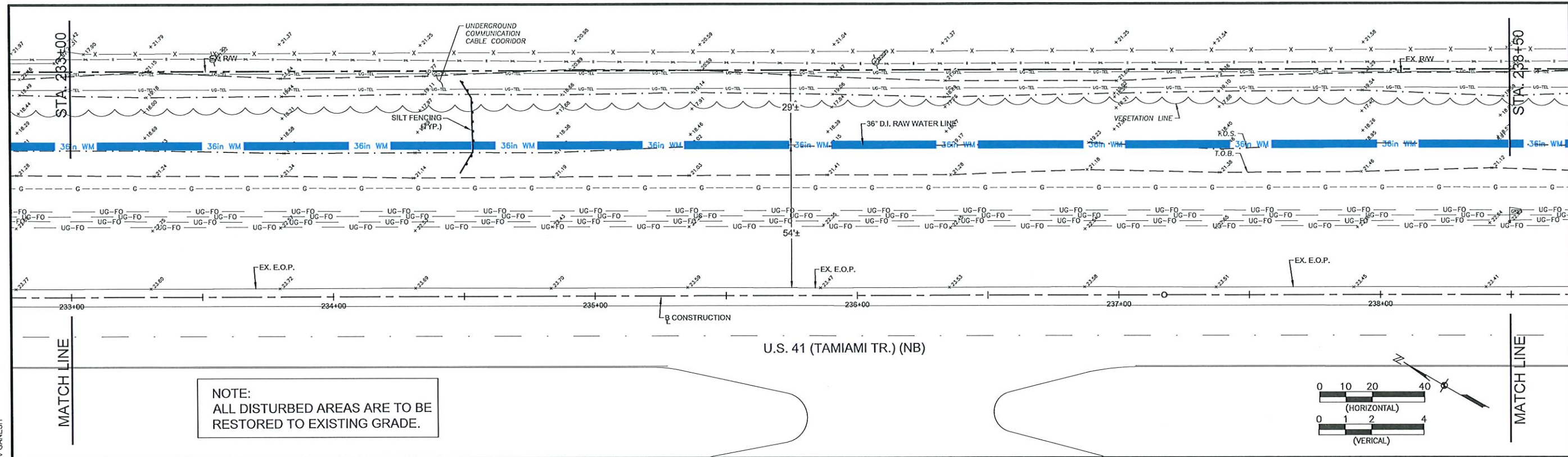
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PLAN AND PROFILE

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CITY OF
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FLORIDA

SOUTHWEST AGGREGATE (RESERVOIR)
TO
CITY OF CAPE CORAL (GATOR SLOUGH)
36" RAW WATER PIPE LINE

NO.	DATE	DESCRIPTION

DATE: APRIL, 2025
PROJECT NO. 15-0252.06
FILE NO. -
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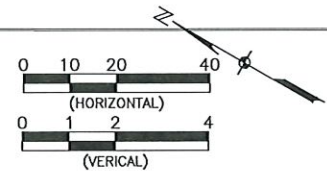
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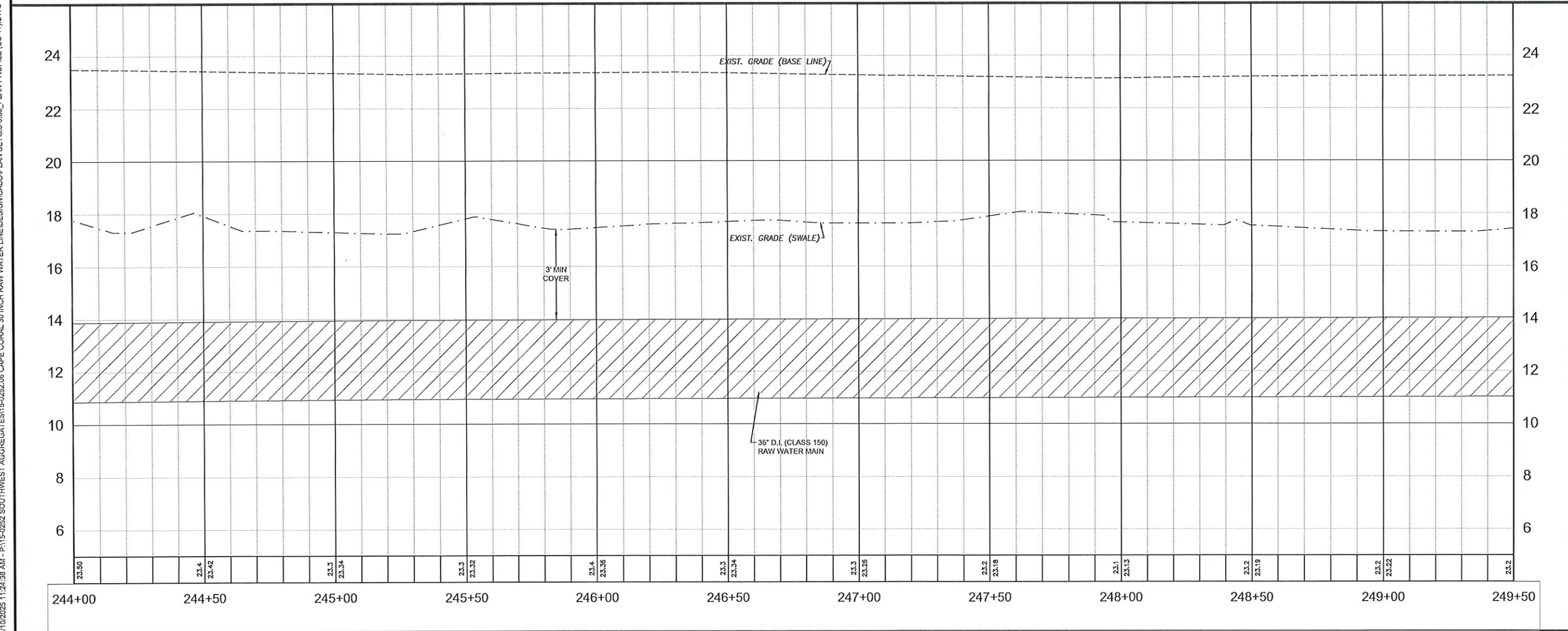
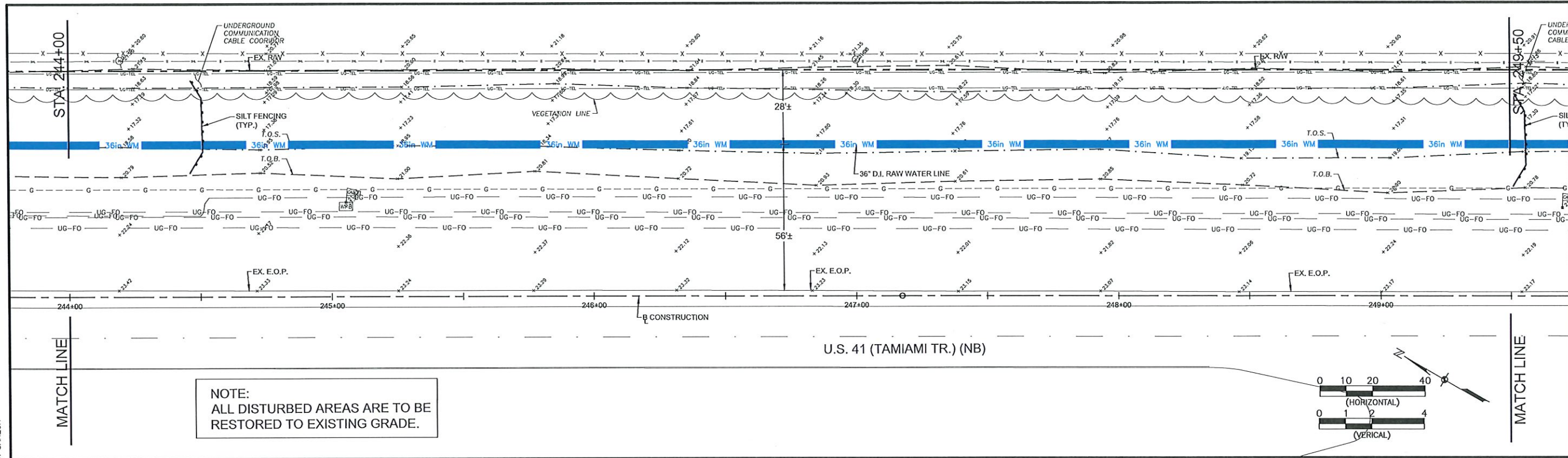


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SOUTHWEST AGGREGATE (RESERVOIR)
TO
CITY OF CAPE CORAL (GATOR SLOUGH)
36" RAW WATER PIPE LINE

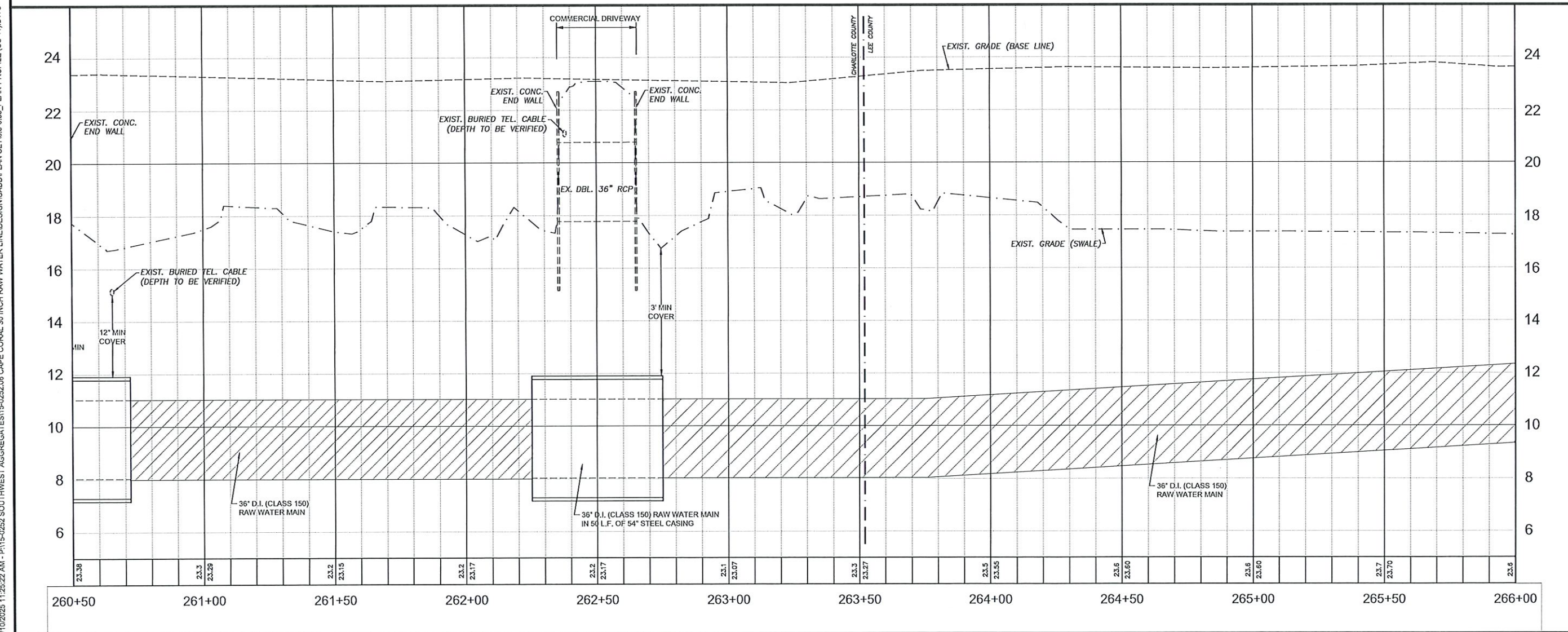
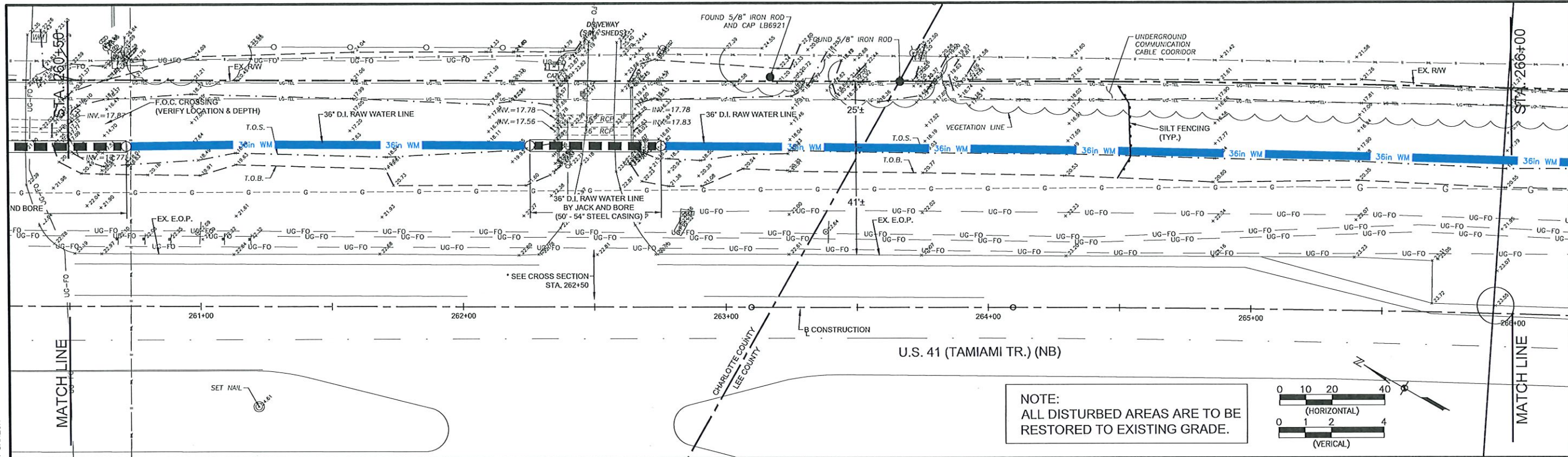
NO.	REVISIONS	DESCRIPTION	DATE

DATE: APRIL, 2025
PROJECT NO. 15-0252.06
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6.11

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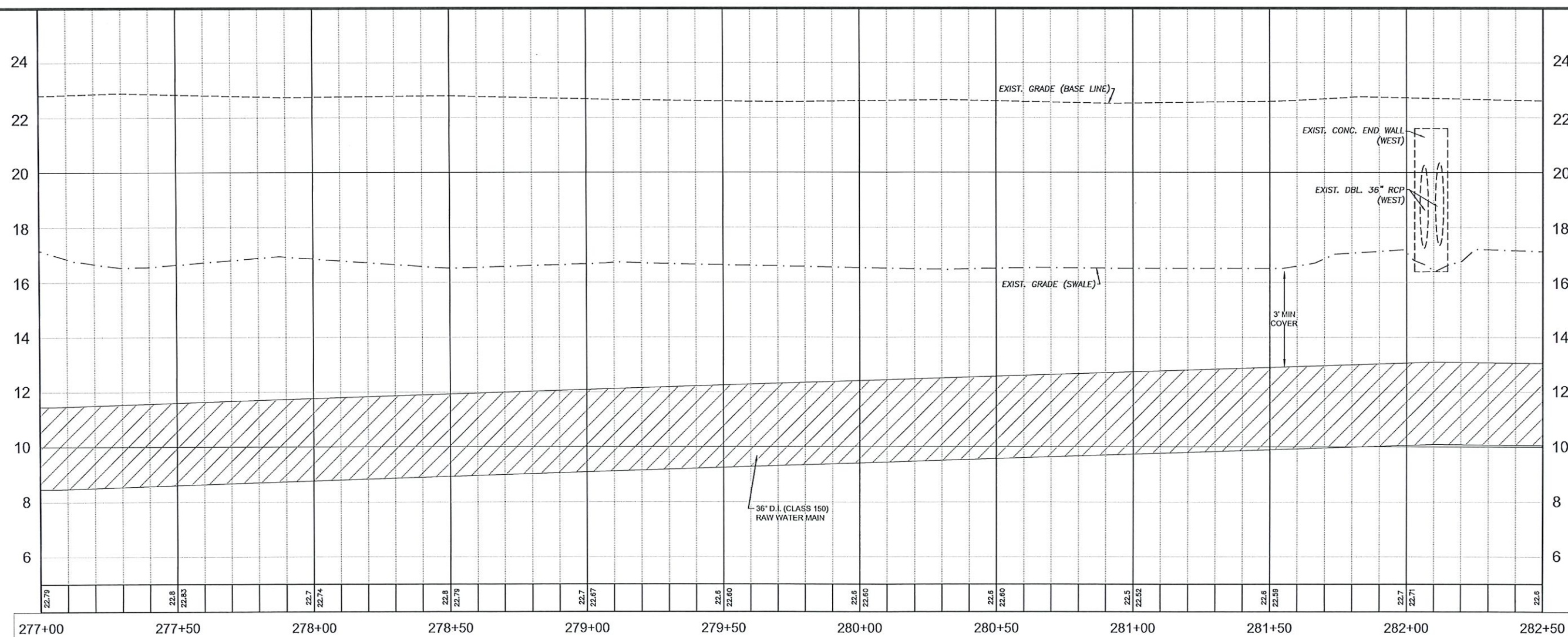
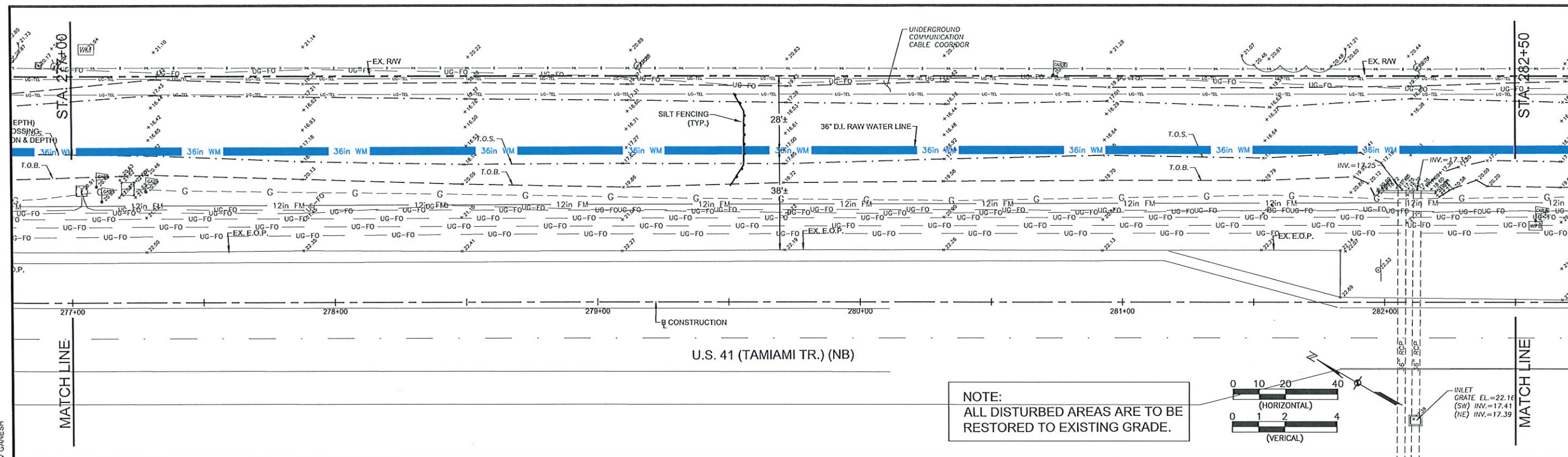


SOUTHWEST AGGREGATE (RESERVOIR)
TO
CITY OF CAPE CORAL (GATOR SLOUGH)
36" RAW WATER PIPE LINE

NO.	REVISIONS DESCRIPTION	DATE

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6.14



6.17