



Agenda Report

2725 Judge Fran Jamieson
Way
Viera, FL 32940

Public Hearing

H.2.

8/3/2021

Subject:

Public Interest Determination Re: US192 Roadway and Entrance Improvements for additional Board-approved construction on the US192 property.

Fiscal Impact:

The fiscal impact is \$844,780.35 as detailed in the Road & Bridge Cost Quote.

Dept/Office:

Solid Waste Management Department

Requested Action:

It is requested that the Board of County Commissioners determine that the US192 roadway improvements and entranceway improvements, that are necessary for further construction on the US192 Solid Waste Management Facility property, are in the public interest and have an over-riding public benefit in order to allow Brevard County Road & Bridge perform the work.

Summary Explanation and Background:

On May 18, 2021 the Board authorized the Solid Waste Management Department to notify Deseret Ranch of upcoming construction and to initiate construction of the US192 Facility, excluding construction of the scale-house and the landfill cell. The August 2020 Financial Assurance report to FDEP stated that, based on aerial topography and historical waste disposal rates, the Sarno Road Class III Landfill would reach full capacity in January 2023. Using aerial topography flown in April 2021, combined with revised and updated rates of waste disposal, it has been estimated that the Sarno Landfill will now reach full capacity by October 2022.

Improvements to US192 and the facility entrance, along with installation of a fence to separate the north and south properties, are both necessary to be completed prior to any additional site construction. Currently, improvements to US192 and the solid waste facility entranceway are being scheduled to begin in August 2021. A fencing contractor is being procured and installation of the fence to separate the southern Phase I portion of the property from the northern portion is scheduled to begin in October 2021 with an anticipated completion in December 2021. Deseret Ranch was notified of upcoming construction activities on May 19, 2021, giving them more than the 120 days required to vacate the property as was stipulated in the 2017 Settlement Agreement. Completion of these two construction activities will allow for any additional Board-approved construction projects to occur on the property starting in 2022.

Due to the revised estimated date of the Sarno Landfill reaching full capacity, the Solid Waste Management Department is, in an effort to extend the life of the Sarno Landfill, diverting some Class III material from the Sarno Landfill to the Central Disposal Facility (CDF) instead. In order to minimize these costs, Solid Waste and its consultants are pursuing every reasonable effort to shorten the time frame needed to initiate the construction activities that were approved by the Board on May 18th. To that end, the Solid Waste Department is requesting that the Board find that the US192 roadway improvement project is in the public interest and has an over-riding public benefit so that the road construction can be performed by Brevard County Road & Bridge. Florida Statute 255.20(1)(c)9 states the Board may make this determination at a public hearing if public notice has been given at least 21 days prior to the meeting. Notice of the meeting was published in Florida Today on July 13, 2021. An engineer's estimate of cost has been provided by the consultant and a cost quote for construction services has been provided by Brevard County Public Works Road & Bridge Construction. The use of Road & Bridge will not require an increase in the number of Brevard County employees or an increase in capital expenditures for public facilities, equipment, or other public assets.

The use of Road & Bridge for this project has two advantages:

1) The project will be constructed in a shorter timeframe by avoiding the formal procurement process, which will eliminate about four months for preparation of bid documents, technical specifications, and construction plans, advertisement, contractor selection, and contract execution;

2) The project is expected to be less costly than utilizing the formal procurement process and bidding the work to private contractors. The formal procurement process would not only include the project construction costs as bid by a for-profit contractor, but also the engineering consultant costs to develop the plans and technical specifications for bidding. Road & Bridge estimates the project cost at \$844,780.35. The engineer's estimate of costs is \$910,736.78 for construction with an additional \$42,900.00 in technical specification, construction plan, and bid document preparation for a total project cost of \$953,636.78.

Permits Obtained by Brevard County

FDEP Solid Waste Construction Permit

FDEP Solid Waste Operation Permit

FDEP Environmental Resource Permit

Army Corps of Engineers Environmental Resource Permit

Federal Aviation Administration Permits

Permits Applied for and Pending Approval

Florida Department of Transportation Driveway Improvement Permit (July 2021)

Florida Department of Transportation Drainage Connection Exemption (July 2021)

Applications Forthcoming

Brevard County Site Plan Approval (August 2021)

FDEP NPDES Permit (not necessary for construction, just operation of constructed facility)

Attachments:

- Roadway Improvement Plans

- Road & Bridge Cost Quote
- Engineer's Estimate of Costs
- Florida Statute 255.20(1)(c)9

Clerk to the Board Instructions:



Kimberly Powell, Clerk to the Board, 400 South Street • P.O. Box 999, Titusville, Florida 32781-0999

Telephone: (321) 637-2001
Fax: (321) 264-6972
Kimberly.Powell@brevardclerk.us

August 4, 2021

MEMORANDUM

TO: Tom Mulligan, Interim Solid Waste Management Director

RE: Item H.2., Public Interest Determination for US 192 Roadway and Entrance Improvements for Additional Board-Approved Construction on the US 192 Property

The Board of County Commissioners, in regular session on August 3, 2021, determined that the US 192 roadway improvements and entranceway improvements, that are necessary for further construction on the US 192 Solid Waste Management Facility property, are in the public interest and have an over-riding public benefit in order to allow Brevard County Road and Bridge to perform the work.

Your continued cooperation is always appreciated.

Sincerely,

BOARD OF COUNTY COMMISSIONERS
RACHEL M. SADOFF, CLERK

A handwritten signature in cursive script, reading "Kimberly Powell".

Kimberly Powell, Clerk to the Board

cc: Finance
Budget

BREVARD COUNTY BOARD OF COUNTY COMMISSIONER

CONTRACT PLANS

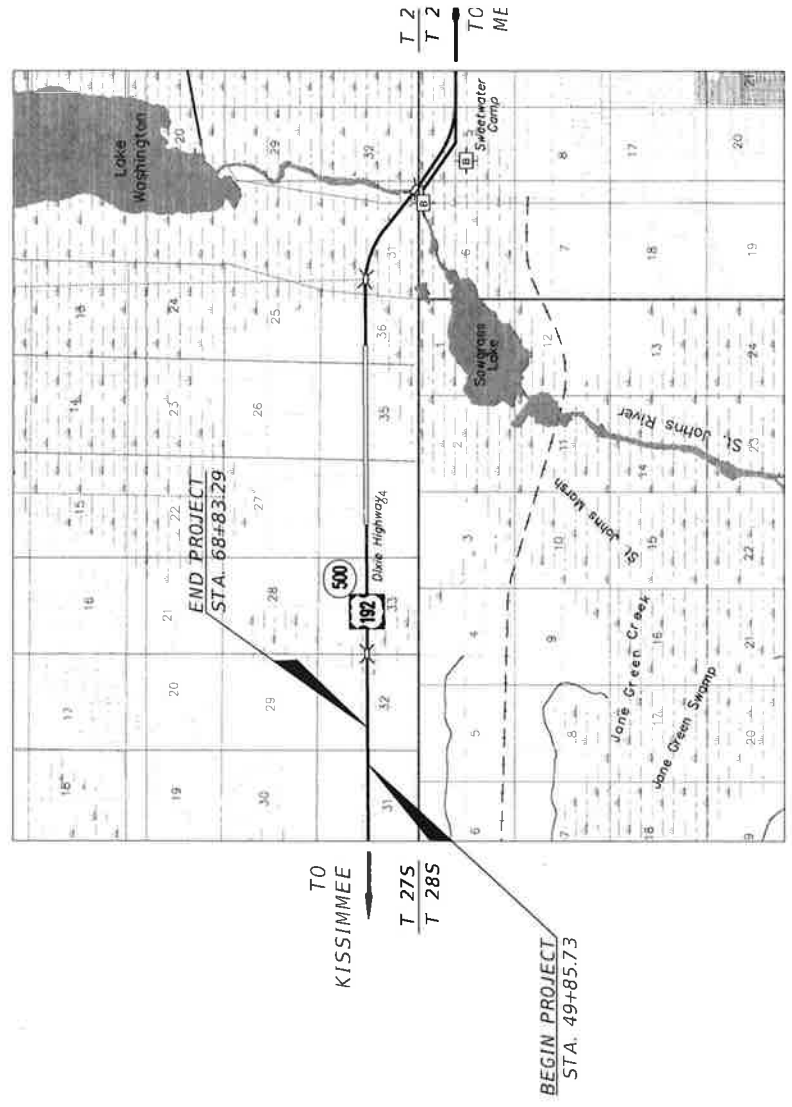
DRIVEWAY IMPROVEMENTS FOR BREVARD COUNTY SOLID WASTE MANAGEMENT FACILITY

STATE ROAD NO. 500 (US 192)

INDEX OF ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
01	KEY SHEET
02	SIGNATURE SHEET
03	DRAINAGE MAP
04 - 05	TYPICAL SECTION
06	STRUCTURAL ASPHALT DETAILS
07	GENERAL NOTES
08 - 11	ROADWAY PLAN
12 - 15	DRAINAGE STRUCTURES
16 - 22	CROSS SECTIONS
23	STORMWATER POLLUTION PREVENTION PLAN
24 - 27	SIGNING AND PAVEMENT MARKING PLAN
28	GUIDE SIGN WORKSHEET
29	VEGETATION CLEARING NOTES
30 - 32	VEGETATION CLEARING PLAN

R 35E
R 36E

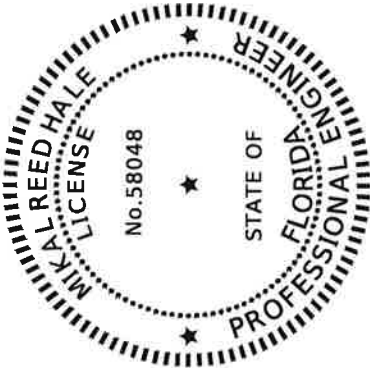


TO
KISSIMMEE

T 275
T 285

BEGIN PROJECT
STA. 49+85.73

T 2
T 2
TC
ME



THIS ITEM HAS BEEN DIGITALLY SIGNED
AND SEALED BY:

Mikal R Hale
Digitally signed by Mikal R Hale
DN: cn=Mikal R Hale,
ou=TRAFFIC ENGINEERING DATA
SOLUTIONS, INC., c=US
Date: 2021.05.27 13:00:31-0400

PRINTED COPIES OF THIS DOCUMENT ARE
NOT CONSIDERED SIGNED AND SEALED.
THE SIGNATURE MUST BE VERIFIED ON
ANY ELECTRONIC DOCUMENTS.

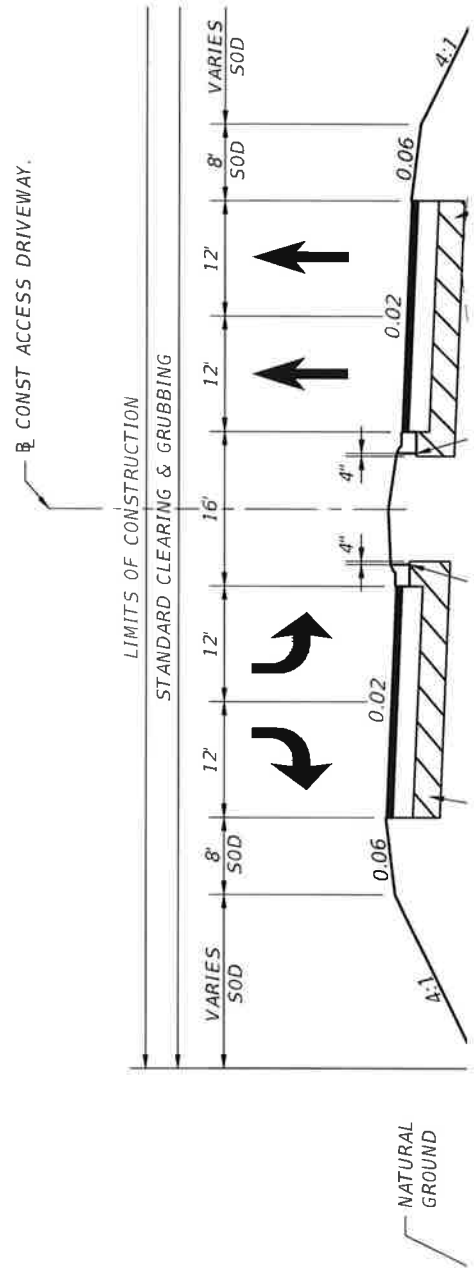
TRAFFIC ENGINEERING DATA SOLUTIONS, INC.
80 SPRING VISTA DR
DEBARY, FL 32713
MIKAL R. HALE, P.E. NO. 58048

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE
FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

<u>SHEET NO.</u>	<u>SHEET DESCRIPTION</u>
01	KEY SHEET
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TYPICAL SECTION 1
SR 500 (US 192)
STA. 49+85.73 TO STA. 57+80.66



Dev334REF
Reinforcing Fiber in Asphalt

SUPERPAVE ASPHALT CONCRETE – REINFORCING FIBERS IN ASPHALT.
(02-14-19)

ARTICLE 334-2 is expanded by the following new Subarticle:

334-2.5 Reinforcing Fibers: When specified in the Contract Documents, provide reinforcing fibers conforming to the requirements below. Design the asphalt mixture without the fibers. Do not alter the final mix design for the addition of fibers at the asphalt plant.

Add the fibers at a rate of 1 pound per ton of total mix. Introduce the fibers into the asphalt drum with a fiber delivery system meeting the requirements of the fiber manufacturer. Furnish with the mix design submittal certified test data for the fibers to be used on the project.

The physical properties of the reinforcing fibers shall be as follows:

1. Materials in a blend of polyolefin and para-aramid or aramid.
2. Length: 3/4 inch
3. Form:
 - a. Polyolefin: Serrated
 - b. Aramid: Monofilament
4. Specific Gravity:
 - a. Polyolefin: 0.91
 - b. Aramid: 1.44
5. Tensile Strength:
 - a. Aramid: ≥ 400,000 psi
6. Melt Temperature:
 - a. Polyolefin: ≥ 270°F
 - b. Aramid: ≥ 800°F
7. Acid/Alkali Resistance: Inert

Owning Company _____
Type Mix _____
Design Traffic Level _____

Product	Description
334-CRUSHED	Crushed RAP Stone
C45	S1A Stone
C52	S1B Stone
F21	Screenings
Sand	Sand

Blend	20%
334-CRUSHED RAP	334-CRUSHED RAP
3/4" 19.0mm	100
1/2" 12.5mm	99
3/8" 9.5mm	96
No. 4 4.75mm	81
No. 8 2.36mm	67
No. 16 1.18mm	58
No. 30 600µm	51
No. 50 300µm	36
No. 100 150µm	17
No. 200 75µm	7.8
Gsb	2.579

The mix properties of the Job plant, the mix design is approved

Total Binder Content
Ignition Oven Corr. Factor
(+ To Be Added)/(- To Be Subtracted)
Gmm Corr. Factor
Mixing Temperature

GENERAL NOTES

1. BENCHMARK ELEVATIONS SHOWN ON THE PLANS ARE NORTH AMERICAN VERTICAL DATUM C
2. ALL SURVEY INFORMATION WAS OBTAINED FROM A LICENSED FLORIDA PROFESSIONAL S
AND UTILIZED AS SUPPORTING DATA IN THE PRODUCTION OF DESIGN PLANS AND I
SUBJECT PROJECT. THE PROFESSIONAL SURVEYOR AND MAPPER OF RECORD IS:
SUSAN G. JACKSON
P.S.M. No.: 4637
BREVARD COUNTY PUBLIC WORKS
SURVEYING & MAPPING DIVISION
2725 JUDGE FRAN JAMIESON WAY
BUILDING A, SUITE A220
VIERA, FL 32940

3. THE LOCATION(S) OF THE UTILITIES SHOWN IN THE PLANS (INCLUDING THOSE Vv, Vh a
LIMITED INVESTIGATION TECHNIQUES AND SHOULD BE CONSIDERED APPROXIMATE (
LOCATIONS / ELEVATIONS APPLY ONLY AT THE POINTS SHOWN. INTERPOLATIONS BETWEE
NOT BEEN VERIFIED.

4. UTILITY / AGENCY OWNERS:	COMPANIES	CONTACTS	TELEF
	ZAYO GROUP/ FORMERLY LIGHTWAVE, LLC	DEAN PATE	(407)
	FLORIDA POWER & LIGHT	SUE WILLIAMS	(321)
	AT&T/ DISTRIBUTION	LUKE FOLKERTS	(407)
	UNITI FIBER LLC	BOB MENSCHING	(904)
	CHARTER COMMUNICATION	PAUL RYMER	(321)

5. SPECIAL EVENT DAYS FOR THIS PROJECT INCLUDE:

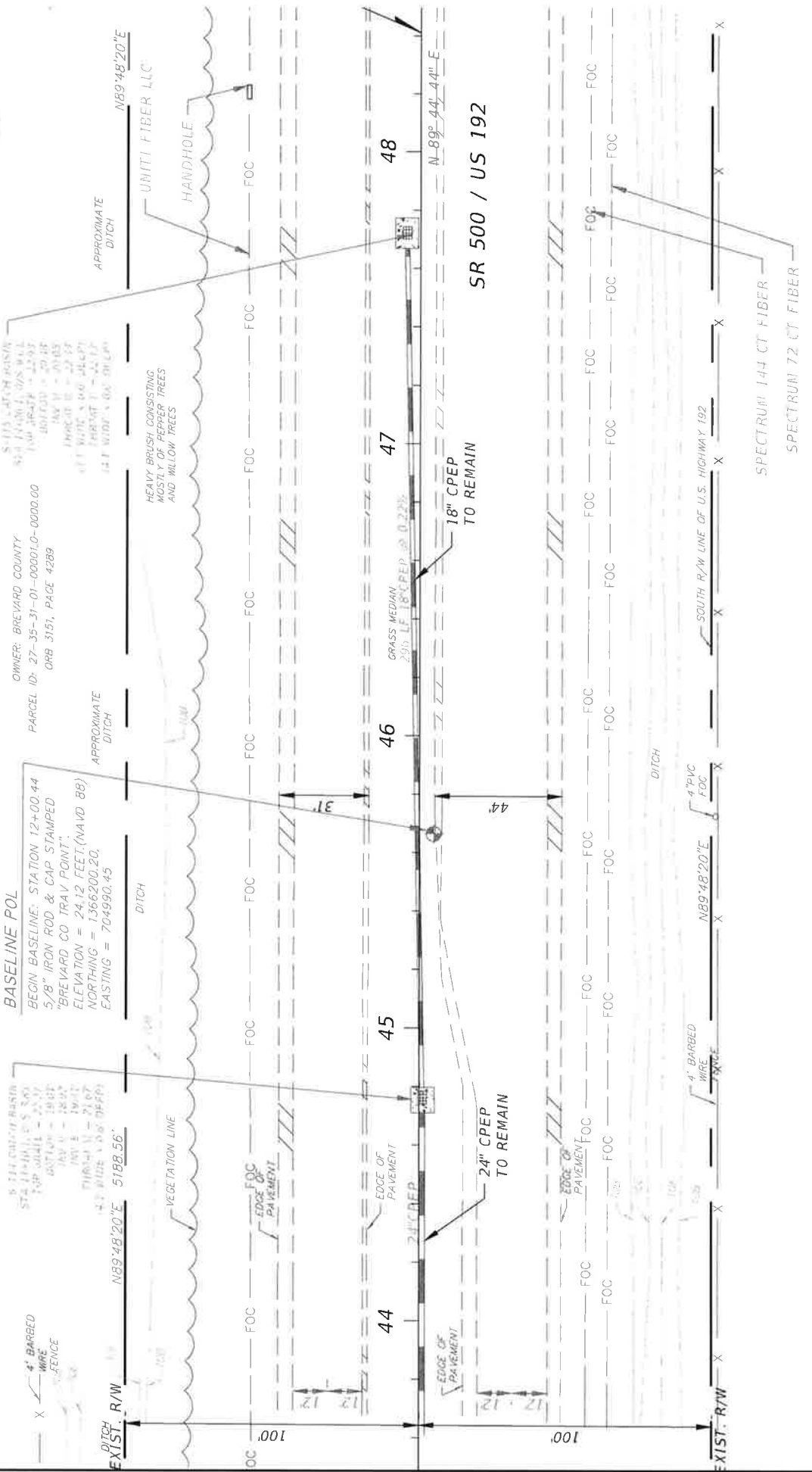
BIKE WEEK
SPRING BREAK
BIKETOFEST
ROCKET LAUNCHES
AIR SHOWS
DAYTONA SPEED WEEKS

TEMPORARY TRAFFIC CONTROL NOTES

1. THE EXISTING POSTED SPEED IS TO BE MAINTAINED ON THE ROADWAY DURING CONS
LIMIT SIGNS ARE TO BE MAINTAINED THROUGHOUT THE CONSTRUCTION PROCESS.
2. LANE CLOSURES MAY ONLY OCCUR WHEN ACTIVE WORK IS BEING PERFORMED ON THE
CLOSURES SHALL BE APPROVED BY THE ENGINEER. ALL LANE CLOSURES MUST BE RE
CLOSURE INFORMATION SYSTEM (LCIS) 14 DAYS PRIOR TO ANY CLOSURE. LCIS
[HTTPS://LCS.DOT.STATE.FL.US/](https://lcs.dot.state.fl.us/)



Feet

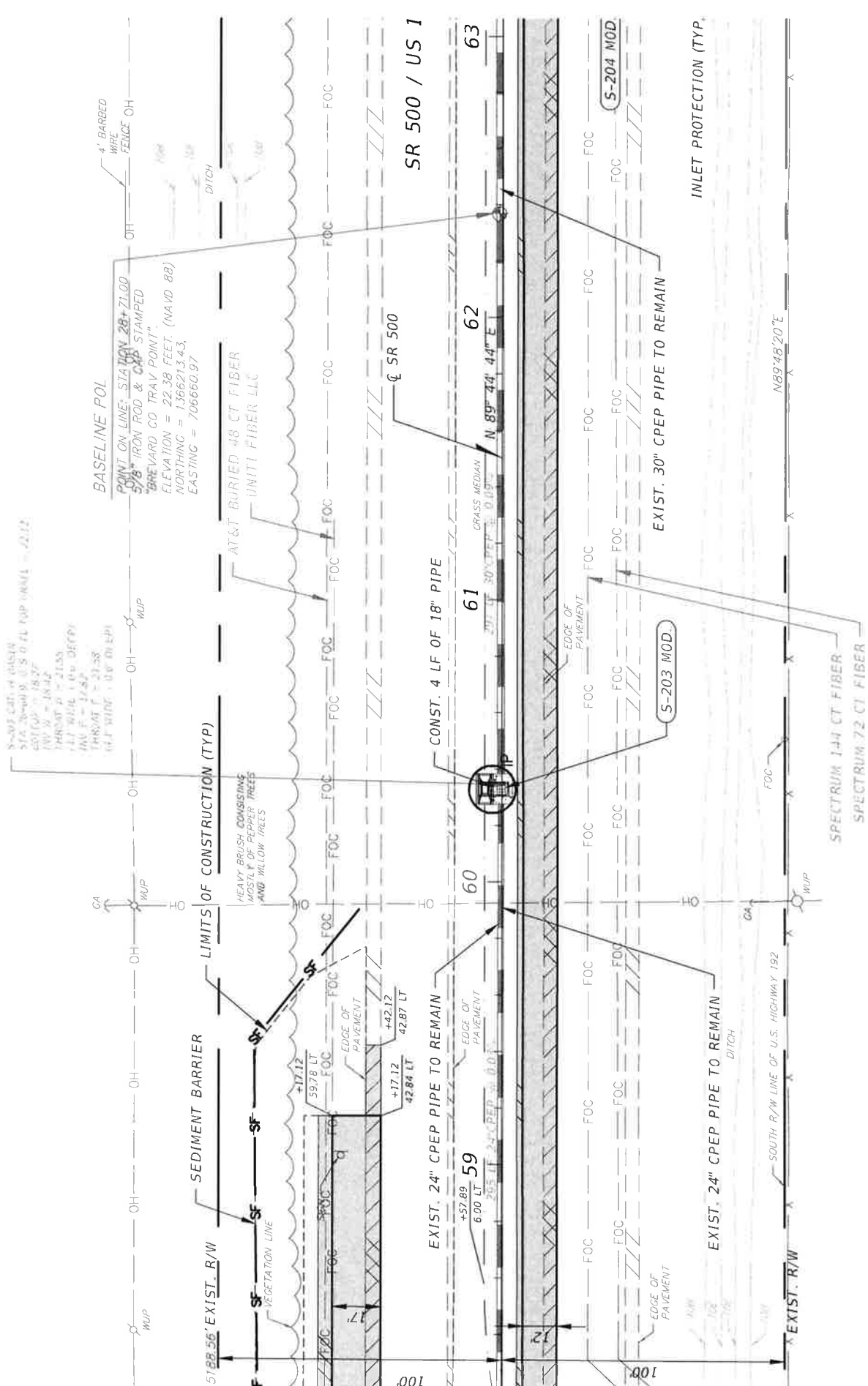


NOTE: THE LISTED DISTANCE FOR
STORM LINES WAS DETERMINED BY
MEASUREMENT FROM CENTER OF
CRATE TO CENTER OF CRATE

STA. 52+00.01 ∇ CONST SR 500 =

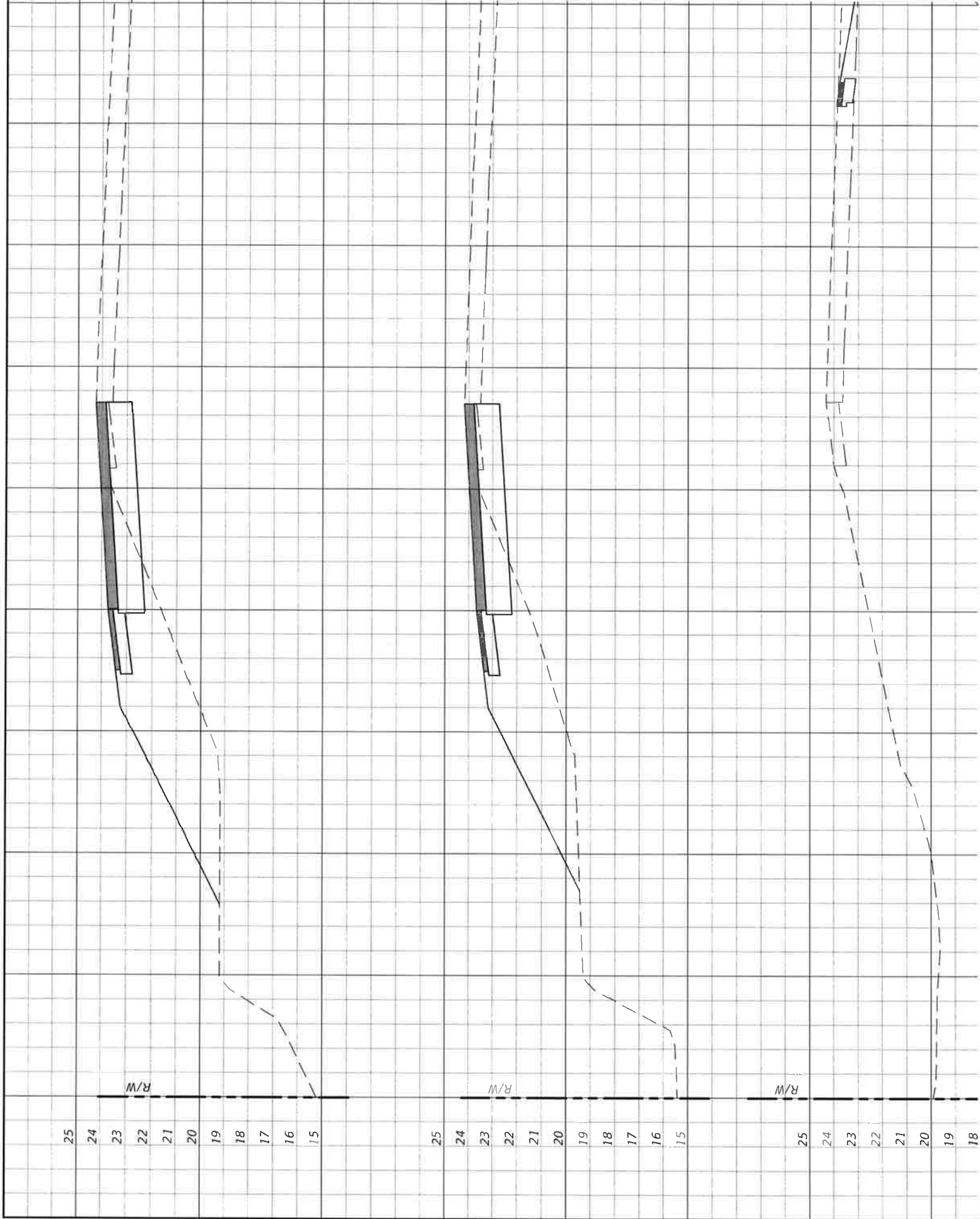
$$S = 201 \quad L = 27 \quad H = 115.19$$

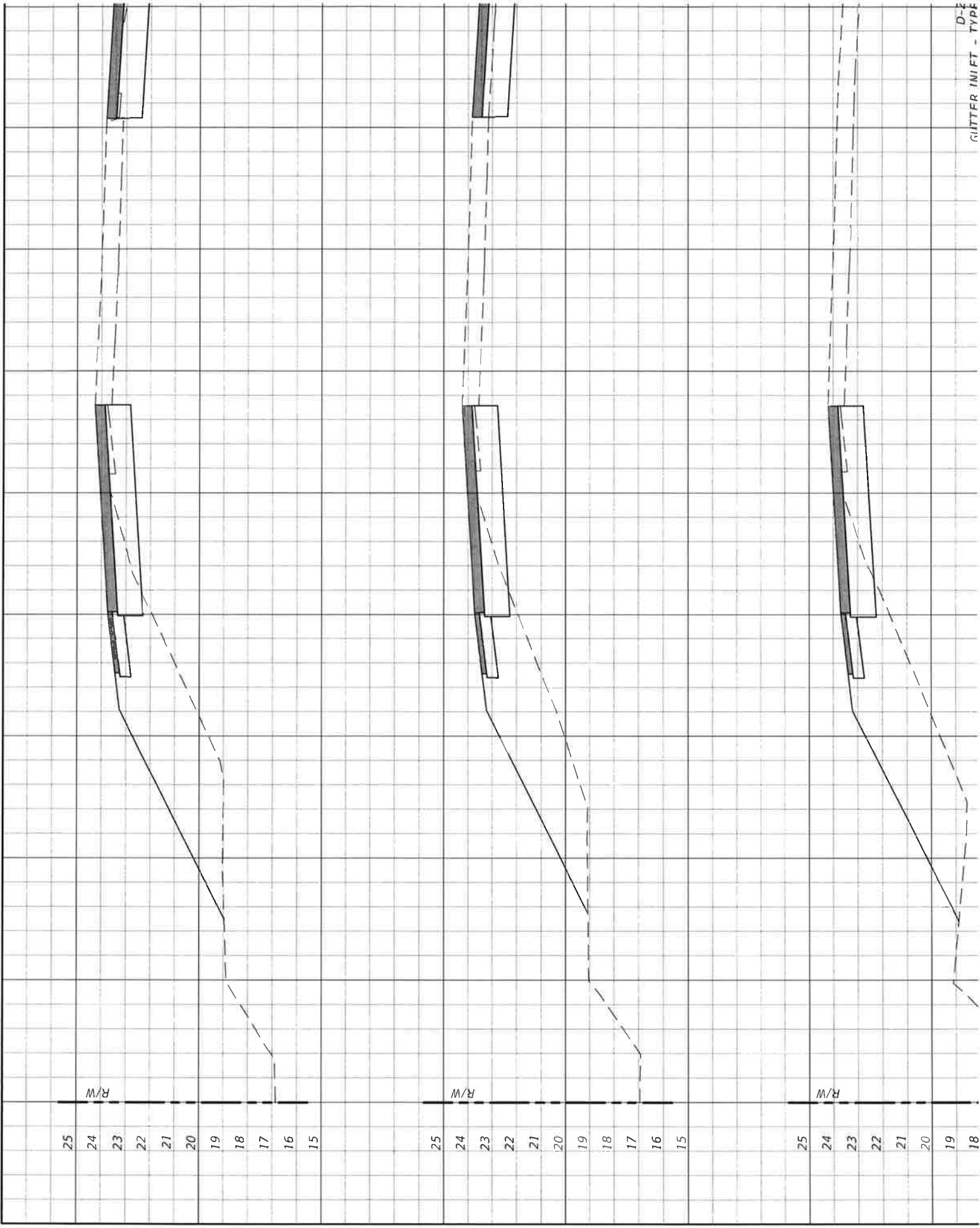
MATCHLINE STA - 58+20

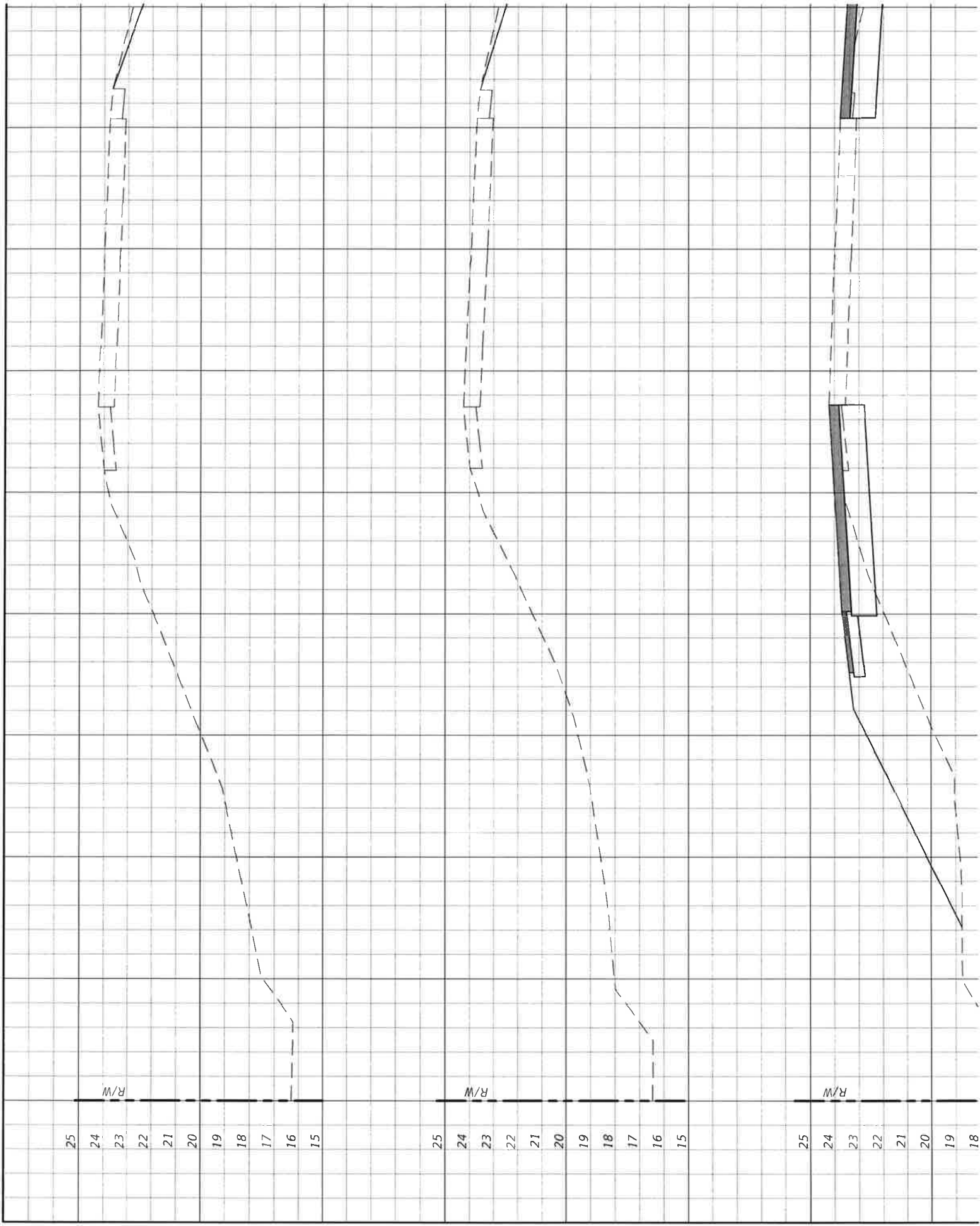




POINT ON LINE: STATION 33+71.62
5/8" IRON ROD & CAP STAMPED
"BREVARD CO TRAV POINT".
ELEVATION = 22.63 FEET. (NAVD 88)
NORTHING = 1366218.29,
EASTING = 707161.29

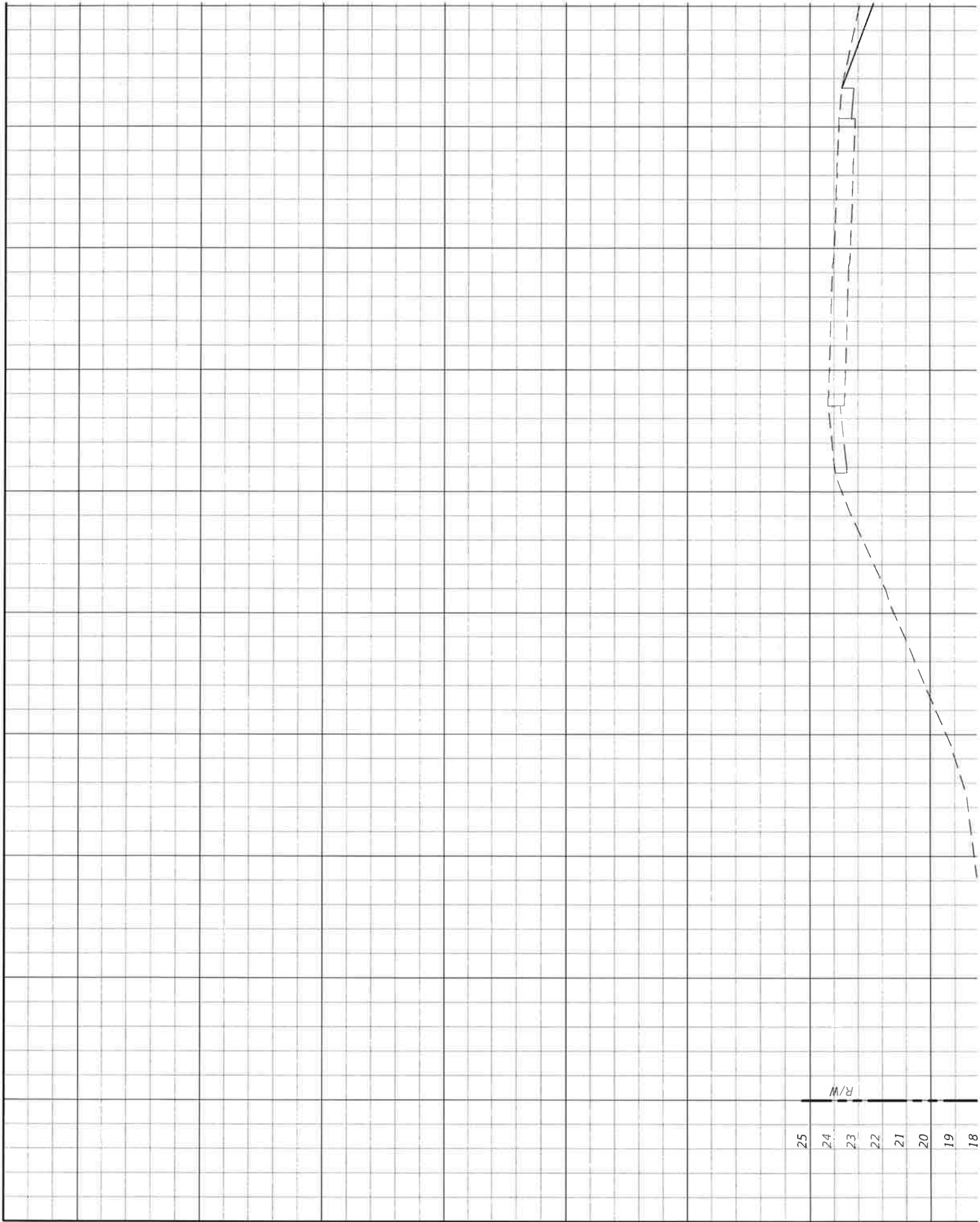


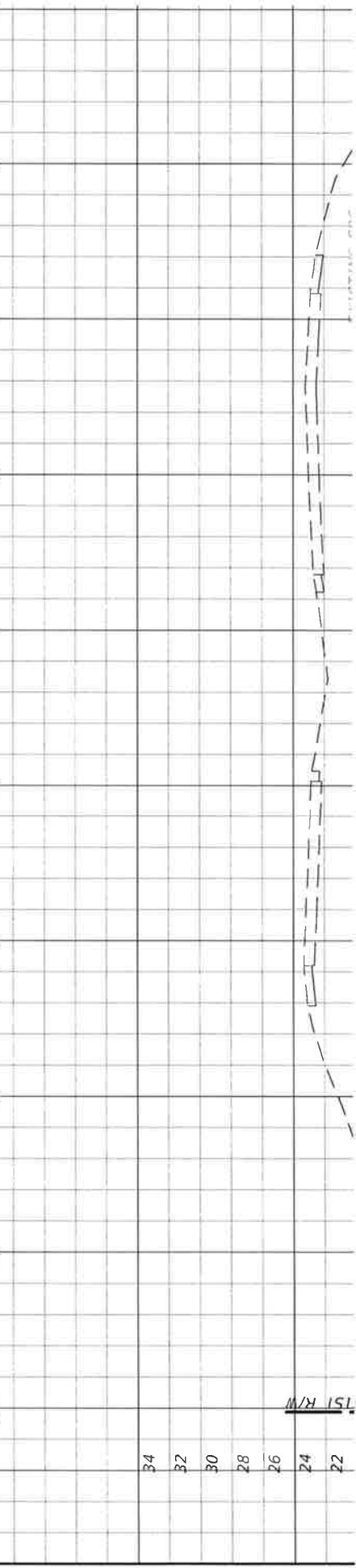
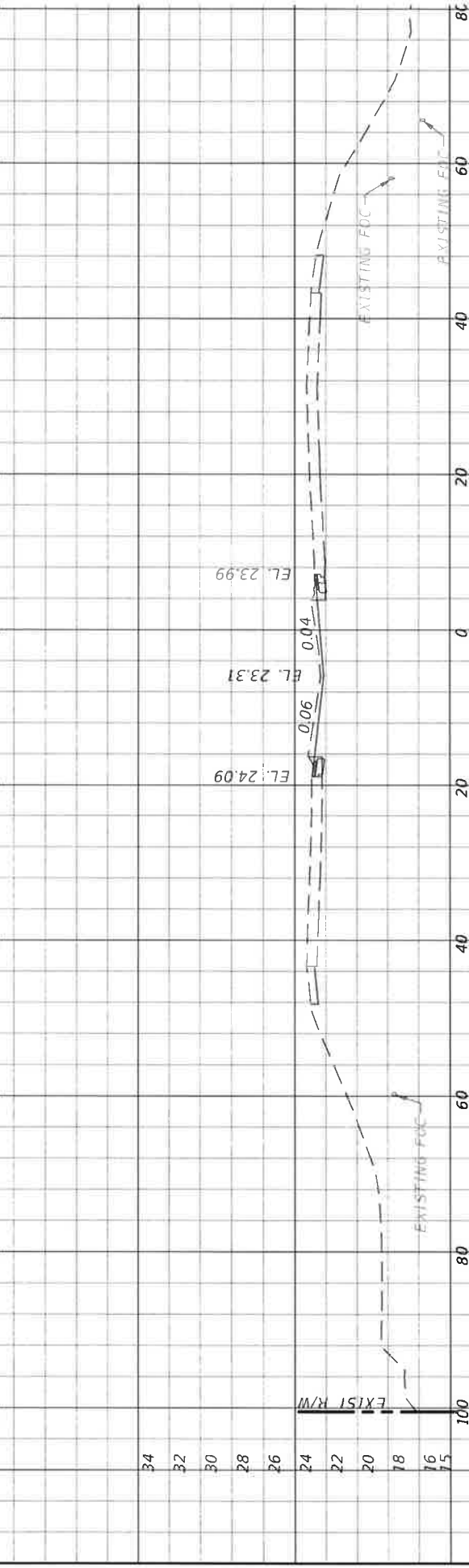
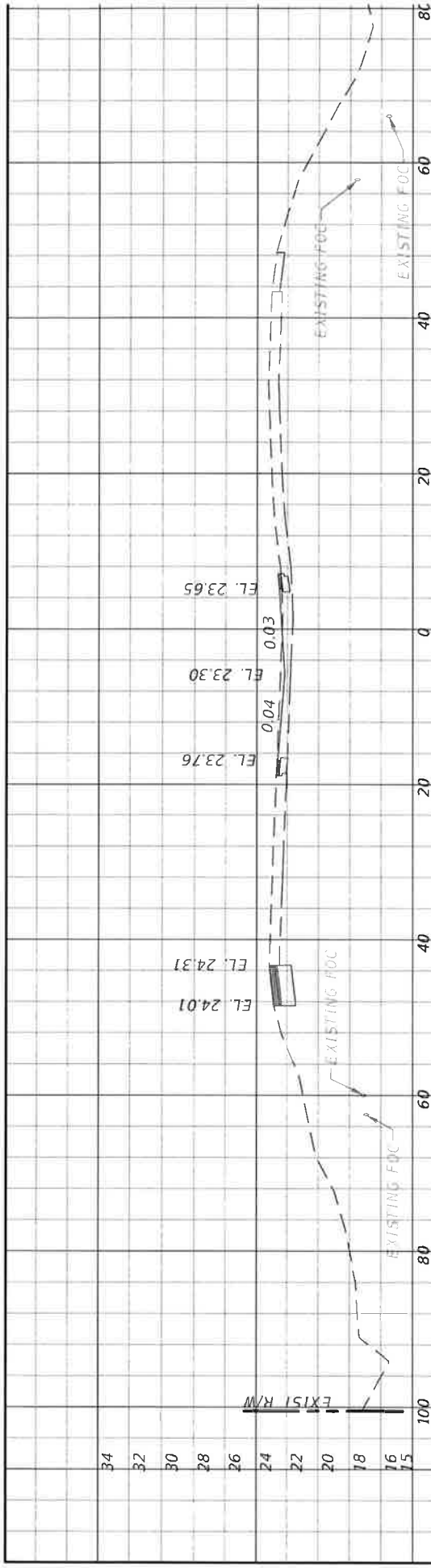


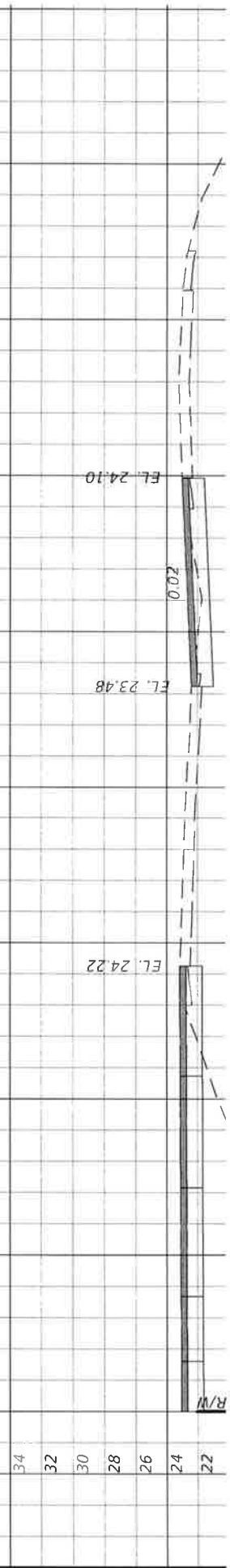
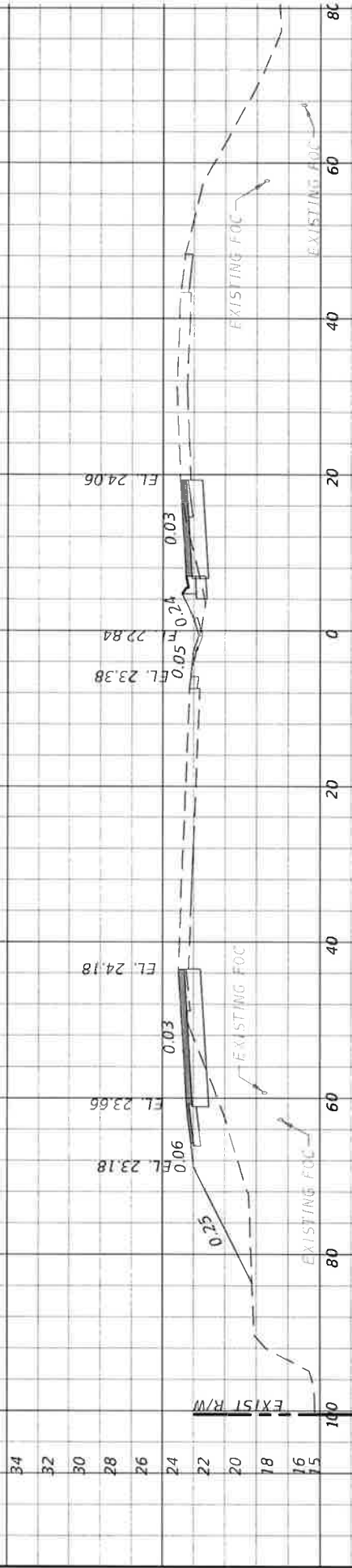
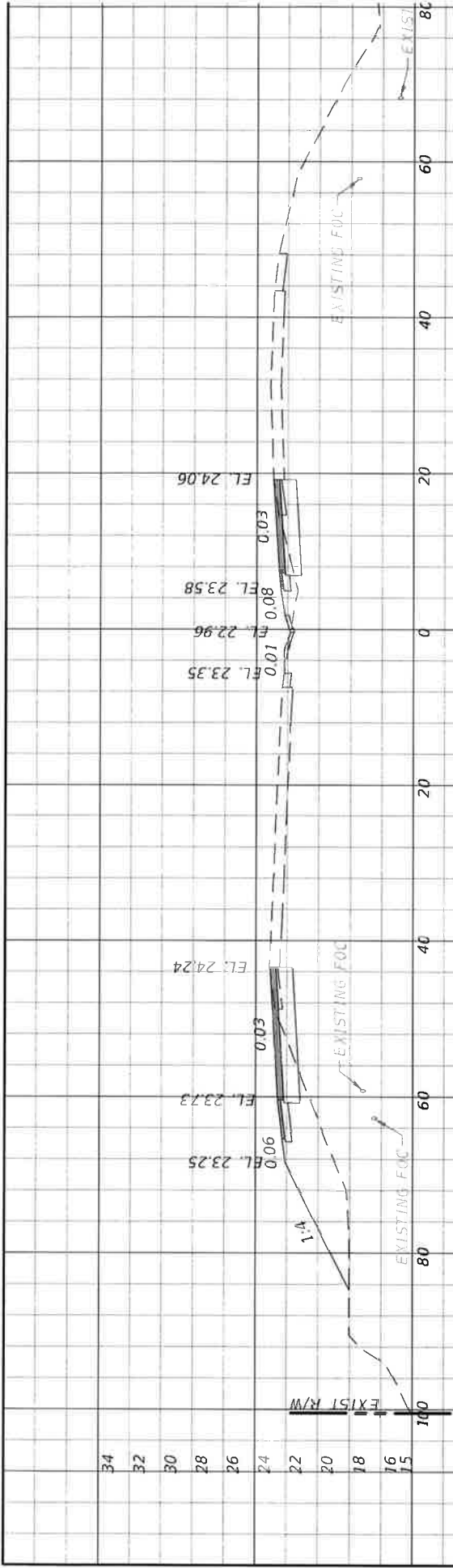


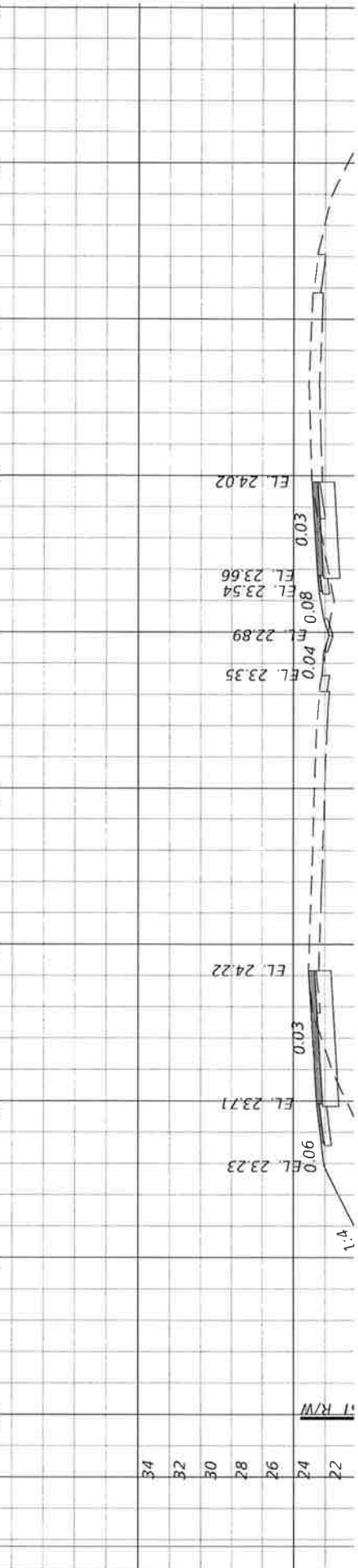
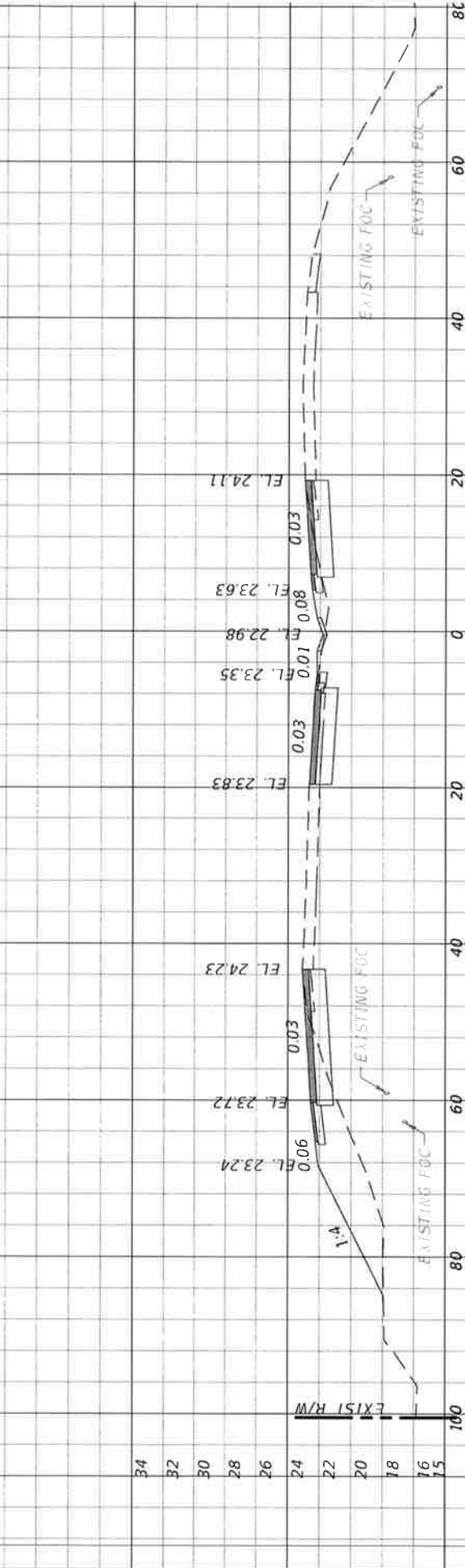
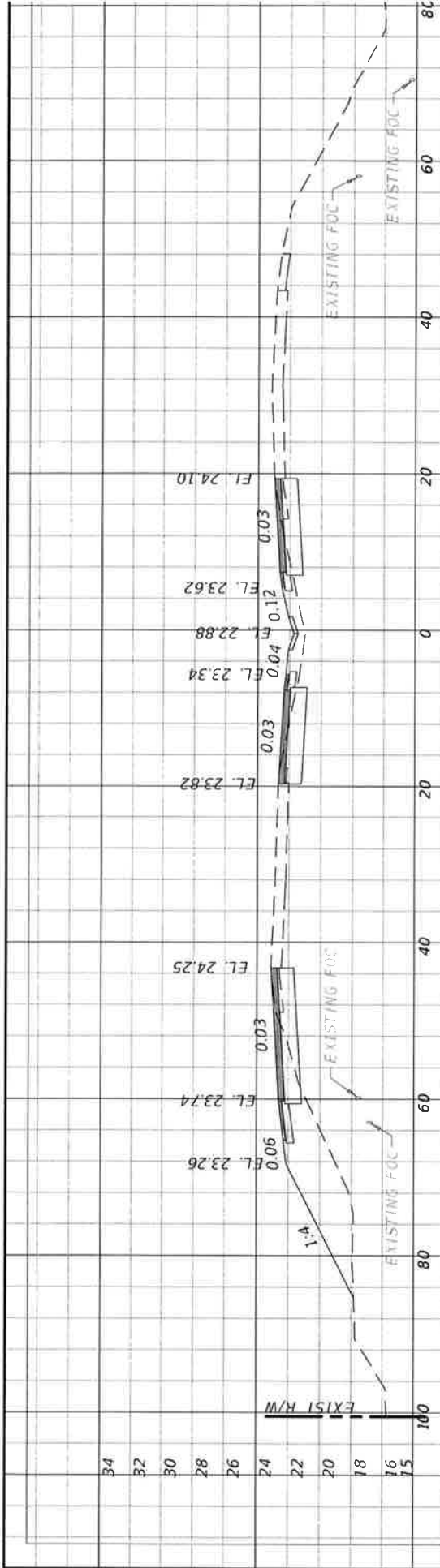
R/W

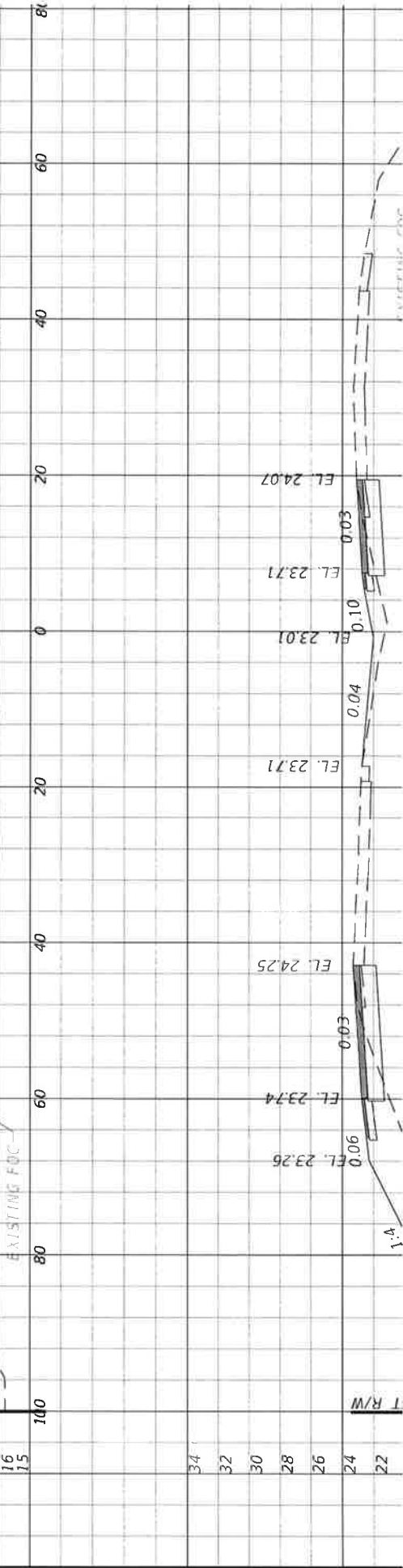
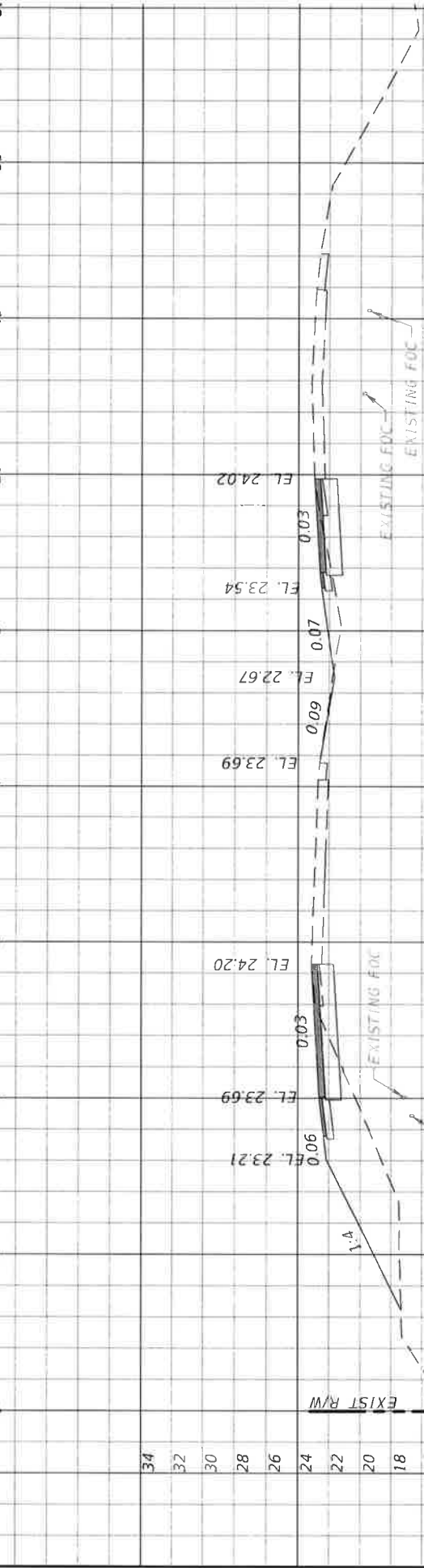
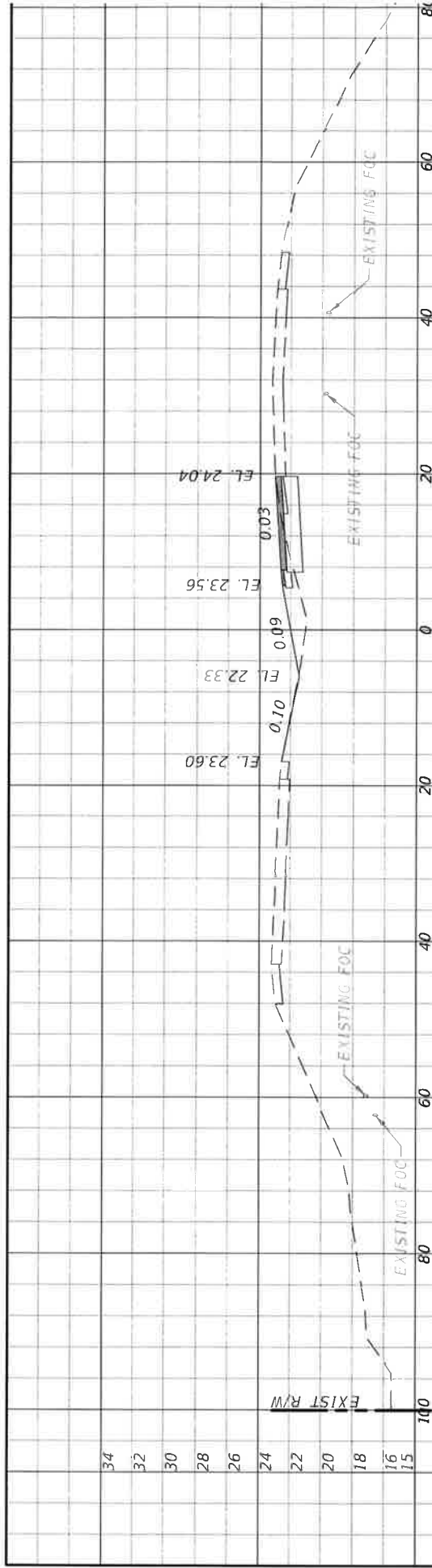
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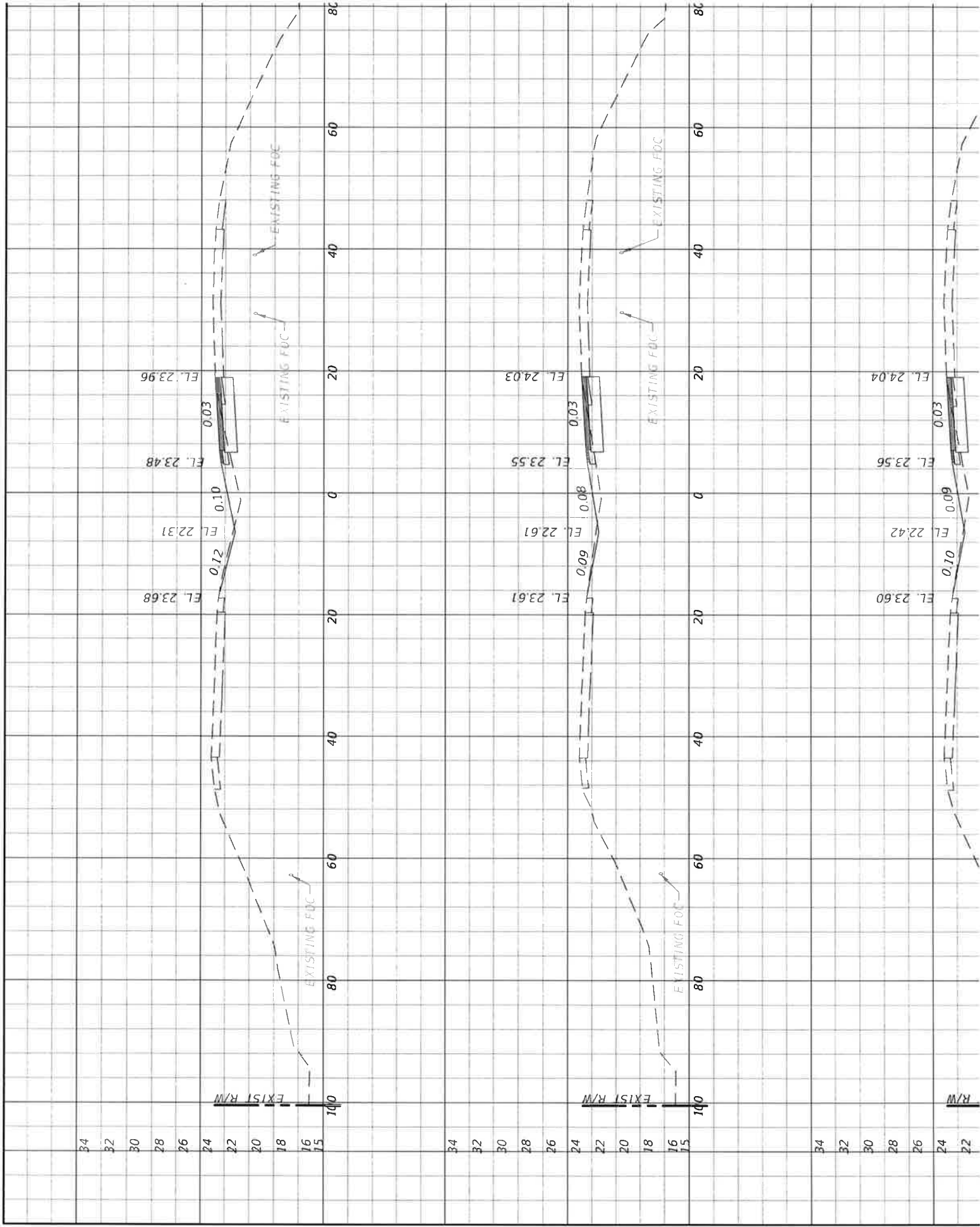


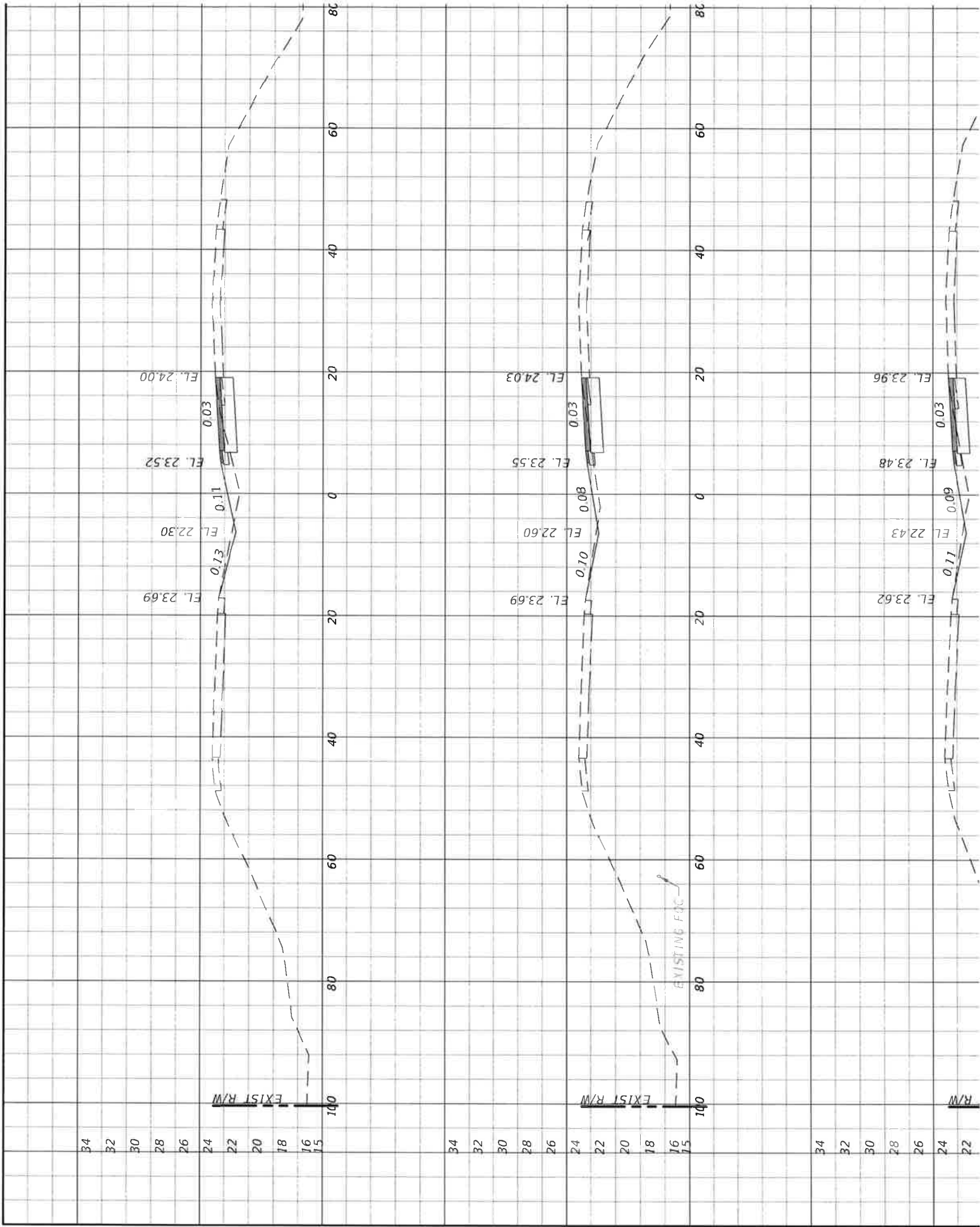


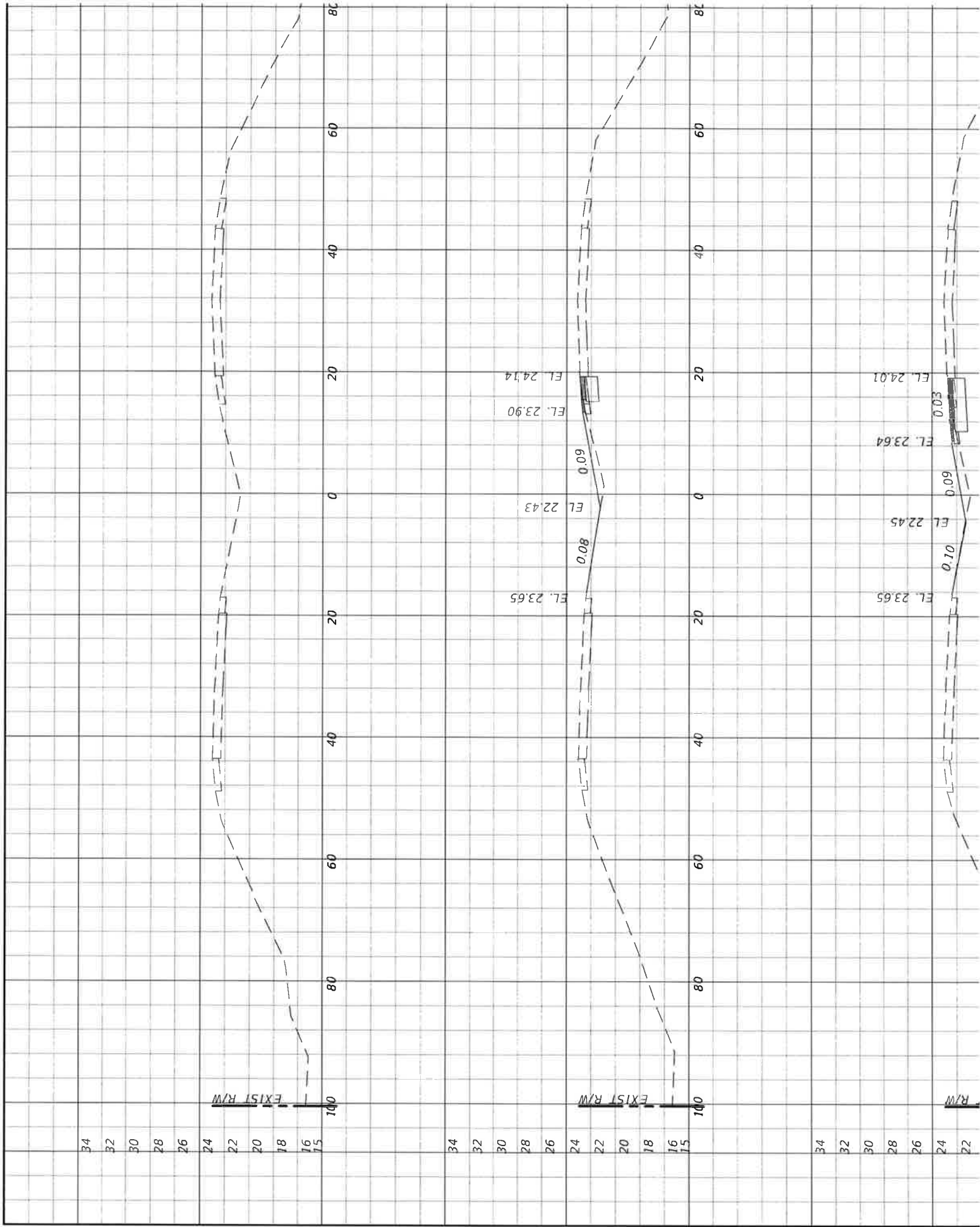












1.0 SITE DESCRIPTION:

1.A PROJECT NAME AND LOCATION:

BREVARD COUNTY SOLID WASTE MANAGEMENT FACILITY
CITY OF MELBOURNE
BREVARD COUNTY, FL

1.B PROJECT OWNER AND ADDRESS:

BREVARD COUNTY BOARD OF COUNTY COMMISSIONERS
2725 JUDGE FRANK JAMIESON WAY
MELBOURNE, FL 32940

1.C NATURE OF CONSTRUCTION ACTIVITY:

THE PROJECT CONSISTS OF ROADWAY IMPROVEMENTS ALONG SR 500 / US 192 TO PROVIDE ACCESS TO AND FROM THE PROPOSED SOLID WASTE MANAGEMENT FACILITY. IMPROVEMENTS CONSIST OF RECONSTRUCTING THE EXISTING MEDIAN NOSE TO ALLOW A FULL ACCESS OPENING FOR BOTH EAST BOUND AND WEST BOUND TRAVEL MOVEMENTS. THE CONSTRUCTION OF A MEDIAN DITCH WITH NEW STORM PIPE, AND STRUCTURES AS WELL AS THE CONSTRUCTION OF PAVED ROADWAY SHOULDERS, A RIGHT TURN LANE INTO THE PROPOSED SOLID WASTE MANAGEMENT FACILITY, AN ACCELERATION LANE AND A DRIVEWAY.

1.D SEQUENCE OF MAJOR SOIL DISTURBING ACTIVITIES:

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

1. CLEARING AND GRUBBING
2. INITIAL EARTHWORK FOR DITCH CONSTRUCTION
3. STORM DRAIN AND MEDIAN CONSTRUCTION
4. ROADWAY AND SHOULDER CONSTRUCTION
5. DRIVEWAY CONSTRUCTION

1.E AREA ESTIMATES:

TOTAL PROJECT AREA: 2.806 ACRES

1.F SOILS DATA:

THE TYPES OF SOILS ENCOUNTERED ARE CLASSIFIED ACCORDING TO THE NATIONAL RESOURCE CONSERVATION SERVICE SOILS SURVEY FOR BREVARD COUNTY AND ARE LISTED IN THE FOLLOWING TABLE:

SOIL NO.	SOIL NAME	HYDROLOGIC GROUP
19	RIVIERA SAND	C/D
23	FLORIDANA SAND	B/D

1.G ULTIMATE RECEIVING WATERS:

ST. JOHNS RIVER WEST OF SAWGRASS LAKE (WBID# 28936)

1.H RUNOFF INFORMATION:

UNDER PRESENT CONDITIONS, STORMWATER RUNOFF WITHIN THE MAJORITY OF THE PROJECT CORRIDOR SHEET FLOWS INTO EXISTING INLETS LOCATED WITHIN THE MEDIAN, WHICH CONVEYS RUNOFF TO AN EXISTING STORMWATER MANAGEMENT FACILITY (WET DETENTION POND 2A).

1.I SITE MAP:

THE CONSTRUCTION PLANS ARE BEING USED AS THE SITE MAPS.

VARIATIONS, CHANGES IN CONSTRUCTION ACTIVITIES, AND THE NEED FOR BETTER PRACTICES. THE CONTRACTOR SHALL ALSO PROVIDE EROSION PROTECTION AS REQUIRED BY LOCAL, STATE AND FEDERAL LAW.

2.B STABILIZATION PRACTICES:

THE CONTRACTOR SHALL INITIATE ALL STABILIZATION MEASURES AS SOON AS PRACTICAL, BUT IN NO CASE MORE THAN 7 DAYS AFTER CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED. THE STABILIZATION PRACTICES SHALL INCLUDE AT LEAST THE FOLLOWING, UNLESS OTHERWISE APPROVED BY THE ENGINEER:

TEMPORARY STABILIZATION:

- * ARTIFICIAL COVERINGS IN ACCORDANCE WITH SPECIFICATION SECTION 104.
- * TURF AND SOD IN ACCORDANCE WITH SPECIFICATION SECTION 104.

PERMANENT STABILIZATION:

- * ASPHALT OR CONCRETE SURFACE.
- * SOD IN ACCORDANCE WITH SPECIFICATION SECTION 570.

2.C STRUCTURAL PRACTICES:

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 CONSTRUCTION DETAILS AND SPECIFICATION SECTION 104.
- * INLET PROTECTION IN ACCORDANCE WITH FDEP EROSION AND SEDIMENT CONTROL DESIGNER AND REVIEWER MANUAL. INLET PROTECTION DEVICES SHALL BE INSTALLED ON ALL PROPOSED STORM INLETS, AND INSTALLED ON ANY EXISTING STORM INLETS THAT MAY BE IMPACTED WITH SEDIMENT LADEN RUNOFF ORIGINATING FROM THE PROJECT AREA.

PERMANENT:

- * SOD.
- * SODDED SWALES.

2.D STORMWATER MANAGEMENT:

IN PROPOSED CONDITIONS, STORMWATER RUNOFF WILL BE CONVEYED THROUGH PROPOSED AND EXISTING INLETS AND PIPES LOCATED WITHIN THE MEDIAN THAT IS THEN PIPED TO AN EXISTING WET DETENTION POND.

3.0 OTHER CONTROLS:

3.A WASTE DISPOSAL:

THE CONTRACTOR SHALL PREVENT THE DISCHARGE OF SOLID MATERIALS, INCLUDING BUILDING MATERIALS, TO THE 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 AREA DURING CONSTRUCTION ACTIVITIES.
- * DISPOSING OF ALL FERTILIZER OR OTHER CHEMICAL CONTAINERS ACCORDING TO EPA STANDARD PRACTICES AS DETAILED BY THE MANUFACTURER.
- * DISPOSING OF SOLID MATERIALS, INCLUDING BUILDING AND CONSTRUCTION MATERIALS, OFF THE PROJECT SITE BUT NOT IN

THE CONTRACTOR SHALL MINIMIZE OFF-SITE SEDIMENTS AND GENERATING DUST. THE CONTRACTOR SHALL INCLUDE AT LEAST THE FOLLOWING APPROVED BY THE ENGINEER:

- * COVERING LOADED HAUL TRUCKS WITH
- * REMOVING EXCESS DIRT FROM ROADS
- * STABILIZING CONSTRUCTION ENTRANCES
- * FDEP EROSION AND SEDIMENT CONTROL REVIEWER MANUAL
- * USING ROADWAY SWEEPERS DURING ACTIVITIES SUCH AS EXCAVATION AND

3.C FERTILIZERS AND PESTICIDES:

THE CONTRACTOR SHALL APPLY FERTILIZER IN COMPLIANCE WITH THE PROCEDURES APPLICABLE SUBSECTIONS OF SECTION 982

3.D TOXIC SUBSTANCES:

THE CONTRACTOR SHALL MAINTAIN A LIST THAT ARE LIKELY TO BE USED ON THE PROJECT, ADDRESSING THE GENERATION, APPLICATION, AND DISPOSAL OF THESE SUBSTANCES.

3.E DEWATERING CONTROLS:

THE CONTRACTOR SHALL IMPLEMENT MEASURES OR BMPs TO MINIMIZE OF DISCHARGES RESULTING FROM DEWATERING CONTROL MEASURES OR BMPs MAY INCLUDE OTHERWISE APPROVED BY THE ENGINEER:

- * SEDIMENT TRAPS AND BASINS
- * DEWATERING TANKS AND FILTERS
- 4.0 MAINTENANCE:

THE CONTRACTOR SHALL PROVIDE A PLAN FOR EROSION AND SEDIMENT CONTROLS THAT THE MAINTENANCE PLAN SHALL AT A MINIMUM FOLLOWING:

- * SILT FENCE: MAINTAIN PER SPECIFICATION
- * THE CONTRACTOR SHOULD ANTICIPATE ON 12 MONTH INTERVALS.
- * INLET PROTECTION: REMOVE SEDIMENT RECOMMENDATIONS OR WHEN WATER AMOUNTS OR AREAS.

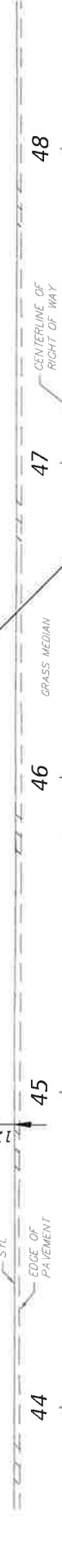
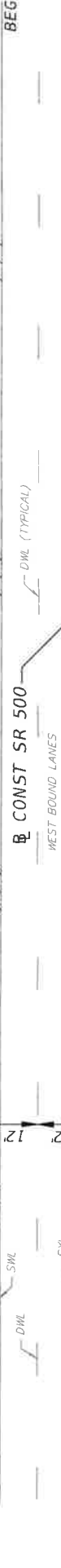
5.0 INSPECTIONS:

QUALIFIED PERSONNEL SHALL INSPECT THE PROJECT AT LEAST ONCE EVERY SEVEN CALENDAR DAYS OF THE END OF A STORM THAT IS 0.50 INCHES OR MORE. THE CONTRACTOR SHALL INSTALL GAUGES AND RECORD THE DAILY RAINFALL. BEEN PERMANENTLY STABILIZED, IN CONDUCTED AT LEAST ONCE EVERY MONTH, ALSO INSPECT THAT CONTROLS INSTALL WITH THE LATEST STORMWATER POLLUTION

- * POINTS OF DISCHARGE TO WATERS OF
- * POINTS OF DISCHARGE TO MUNICIPAL SYSTEMS.
- * DISTURBED AREAS OF THE SITE THAT ARE STABILIZED.
- * AREAS USED FOR STORAGE OF MATERIAL TO PRECIPITATION.

OWNER: BREVARD COUNTY
PARCEL ID: 27-35-31-01-00001.0-0000.00
ORB 3151, PAGE 4289

X 4" BARBED
WIRE
TOBENCE
TOE



OWNER: BREVARD COUNTY
ADDRESS: 109 CLAYTON ROAD
PARCEL ID: 27-35-32-01-000020-0000.00
ORB 3151, PAGE 4299

1 AS 700-1-12
STA. 51+25.93



R6-3A
30x24
+00
+75
R1-1
56x36
+00
+75
R6-1R
36x12
+00
+75
R6-1L
36x12
+00
+75

6" WHITE

6" WHITE
(6'-10" SKIP)

CONST ACCESS DRIVEWAY

R6-1R
36x12
+00
+75
R1-1
56x36
+00
+75
R6-1R
36x12
+00
+75
R6-1L
36x12
+00
+75

AT&T BURIED 48 CT FIBER
UNITI FIBER LLC
STA. 52+90.30

6" DOUBLE YELLOW

6" WHITE

TURN LANE-USE
ARROW (TYP)

6" WHITE WITH R/W
RPMs 20' C/C

MATCHLINE STA - 50+90.00

Brevard County
SWMF

SIGN 101
144x48
1 AS 700-1-14
STA. 54+48.75

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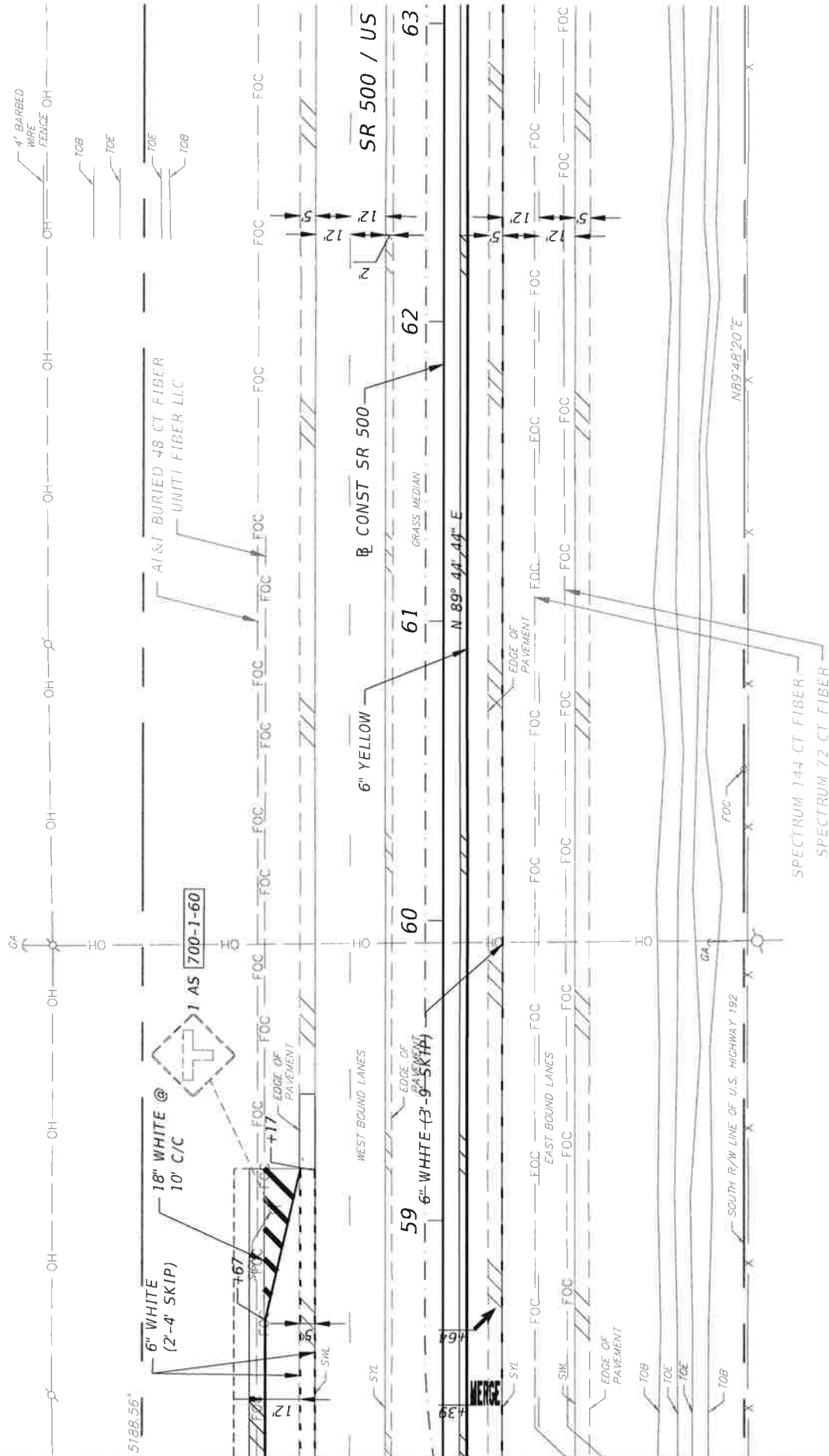
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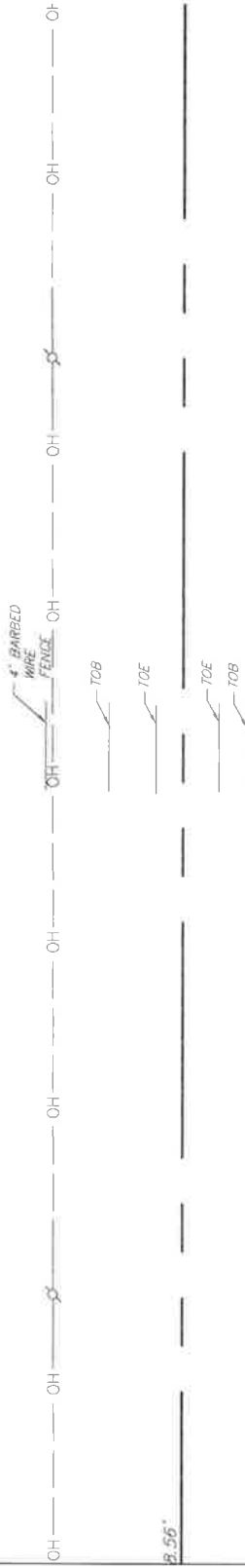
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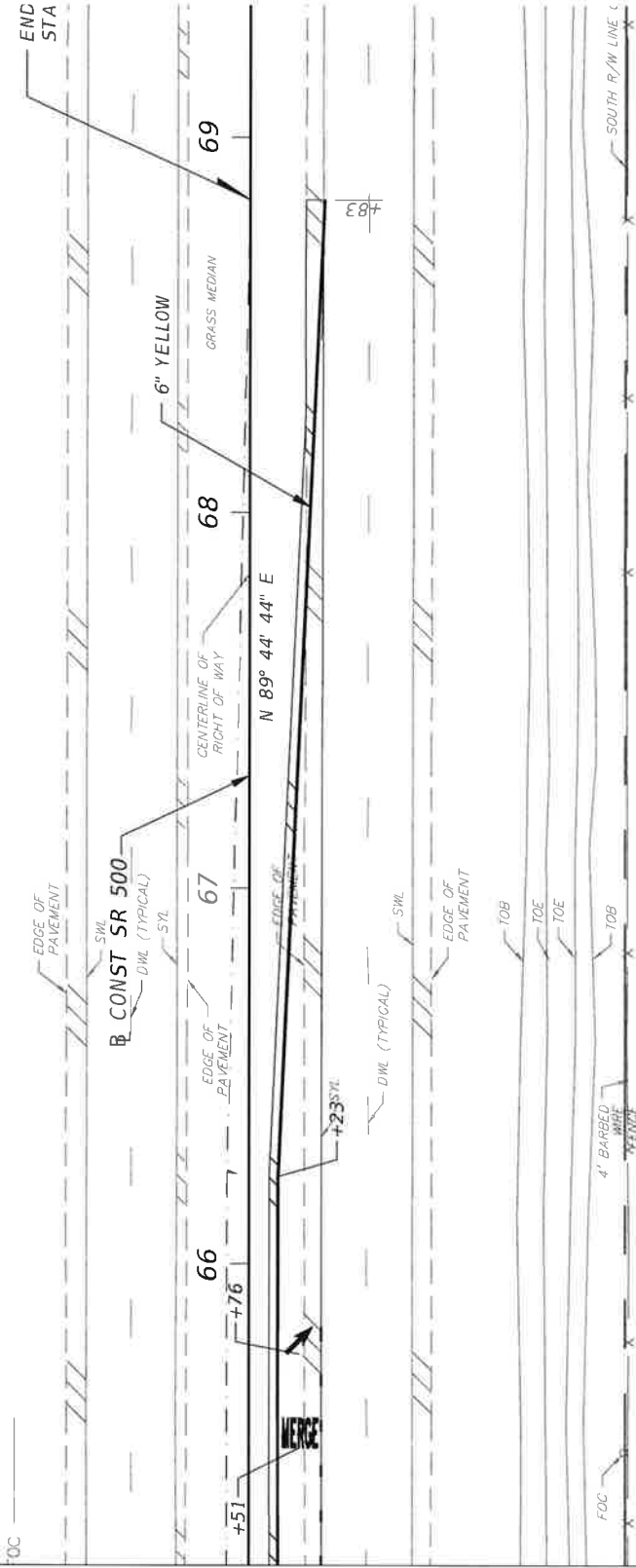
MATCHLINE STA - 58+20.00



N 89° 26' 34" E



MATCHLINE STA - 65+20.00



Desirable Canopy Species	Vegetation Type 0		Vegetation Type 1		Vegetation Type 2		Vegetation Type 3		Vegetation Type 4		Vegetation Type 5	
	Avg. DBH (in.)	Avg. Height (ft)	Avg. DBH (in.)	Avg. Height (ft)	Avg. DBH (in.)	Avg. Height (ft)	Avg. DBH (in.)	Avg. Height (ft)	Avg. DBH (in.)	Avg. Height (ft)	Avg. DBH (in.)	Avg. Height (ft)
Cabbage Palm	25	20			25	20	25	20	25	20	25	20
Live Oak	30	30			35	30	25	30	15-35	35	20-35	30
Red Maple							20	35				
Red Cedar												
Slash Pine												
American Elm												
Pond Cypress											25-30	35
Notes	Improved pasture with scattered live oak and cabbage palm both at less than 5%.		Dominant by 100% Brazilian pepper.		Dominant by Brazilian pepper with scattered cabbage palm (5%), and live oak (10%).		Dominant by Brazilian pepper with scattered cabbage palm (10%), red maple (5%), and live oak (10%).		Dominant by cabbage palm (65%) with scattered live oaks (35%) throughout. Minor amounts of Brazilian pepper (<5%).		Dominant by cabbage palm (75%) with a smaller component of live oak (10%) and slash pine (15%). Minor amounts of Brazilian pepper (<5%).	

VEGETATION CLEARING NOTES

1. IN ACCORDANCE WITH THE CONDITIONS OF APPROVALS ISSUED BY OTHER AGENCIES, THE GOAL OF PROPOSED VEGETATION CLEARING IS TO DELINEATE THOSE PORTIONS OF VEGETATION CLEARING TO BE REMOVED VIA MECHANICAL CLEARING.
2. THE PURPOSE OF THESE VEGETATION CLEARING PLANS IS TO DELINEATE THOSE PORTIONS OF VEGETATION CLEARING TO BE REMOVED VIA MECHANICAL CLEARING.
3. CLEARING METHODS:
 - a. VEGETATION TYPE 0 - PASTURE LAND; NO CLEARING TO OCCUR.
 - b. VEGETATION TYPE 1 - BRAZILIAN PEPPER TO BE REMOVED VIA MECHANICAL CLEARING.
 - c. VEGETATION TYPES 2 & 3 - BRAZILIAN PEPPER TO BE REMOVED VIA A COMBINATION OF MECHANICAL CLEARING OF NATIVE VEGETATION SPECIES, INCLUDING LIVE OAK, RED MAPLE, AND CABBAGE PALM, SHOULD BE REMOVED VIA HAND REMOVAL AND SPOT TREATMENT.
 - d. VEGETATION TYPES 4 THROUGH 9 - BRAZILIAN PEPPER TO BE REMOVED VIA HAND REMOVAL AND SPOT TREATMENT.

N0°20'34"E 7847.52'

PROPERTY LIMITS
BREVARD COUNTY SOLID WASTE MANAGEMENT FACILITY

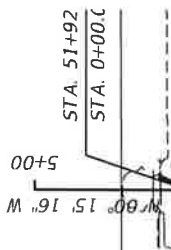
8596'

BEGIN VEGETATION CLEARING
STA 0+00.00

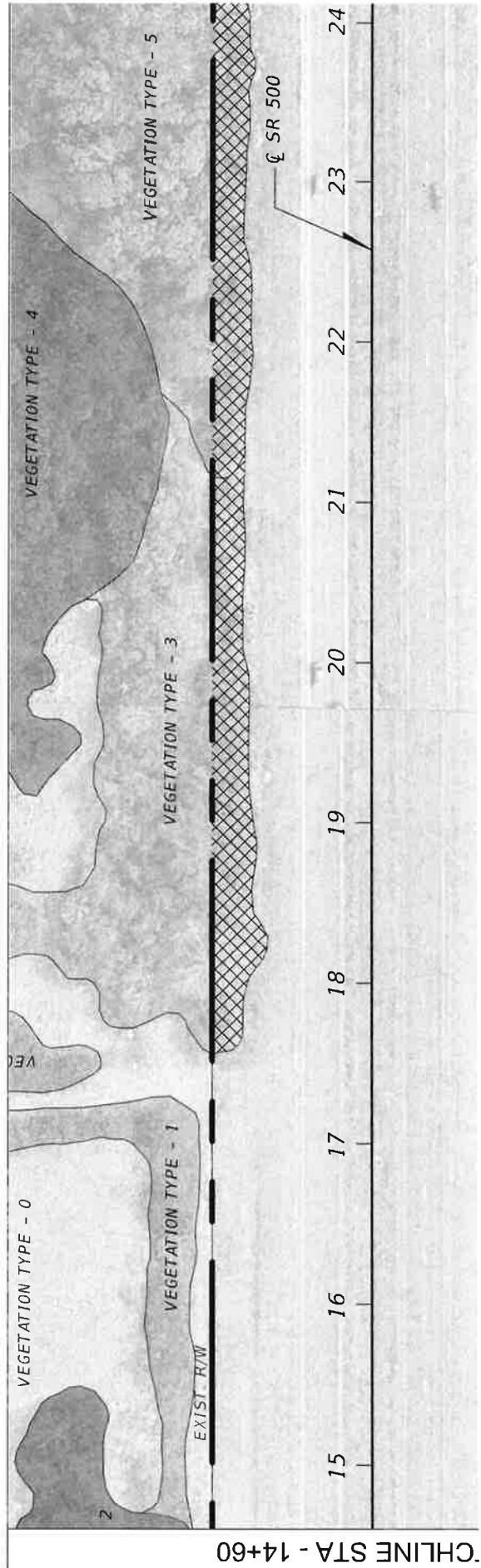
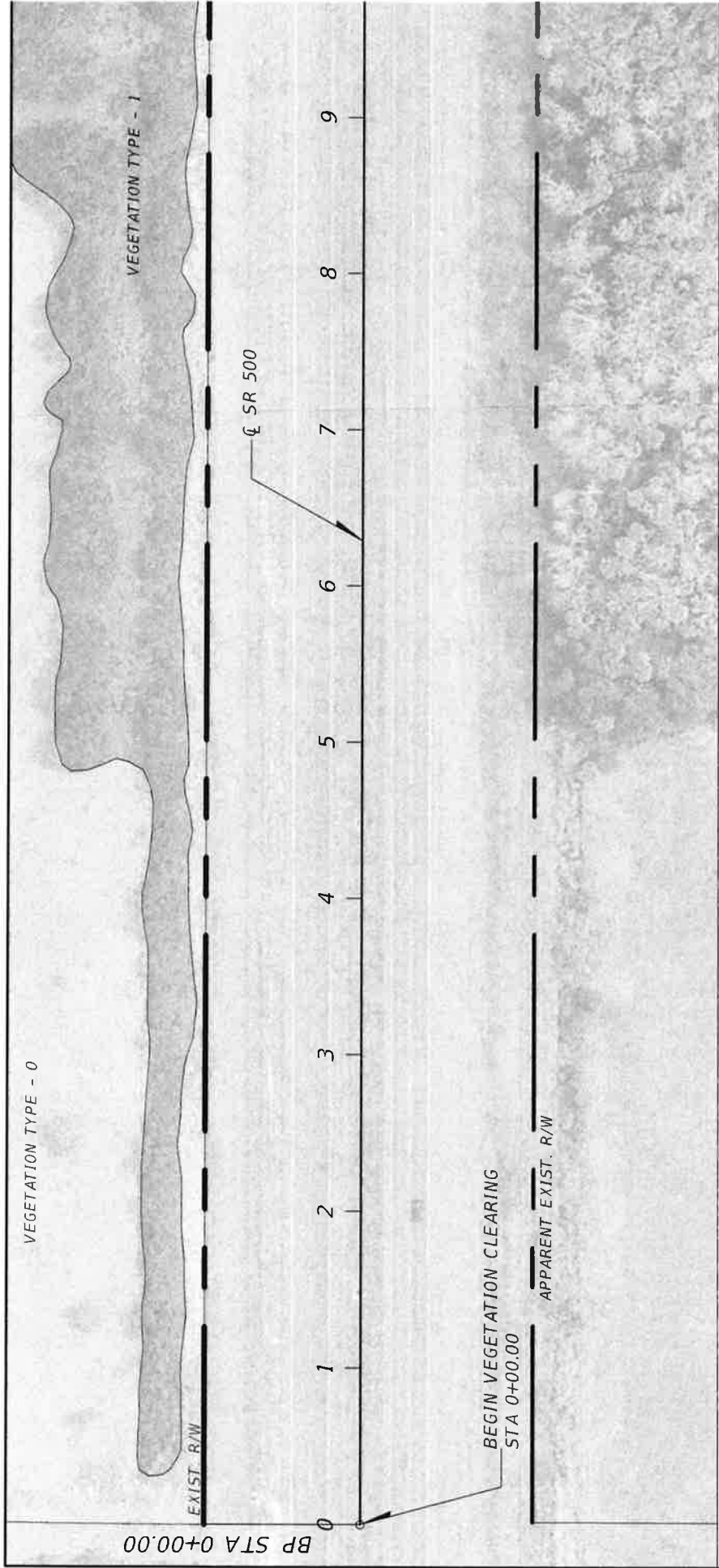
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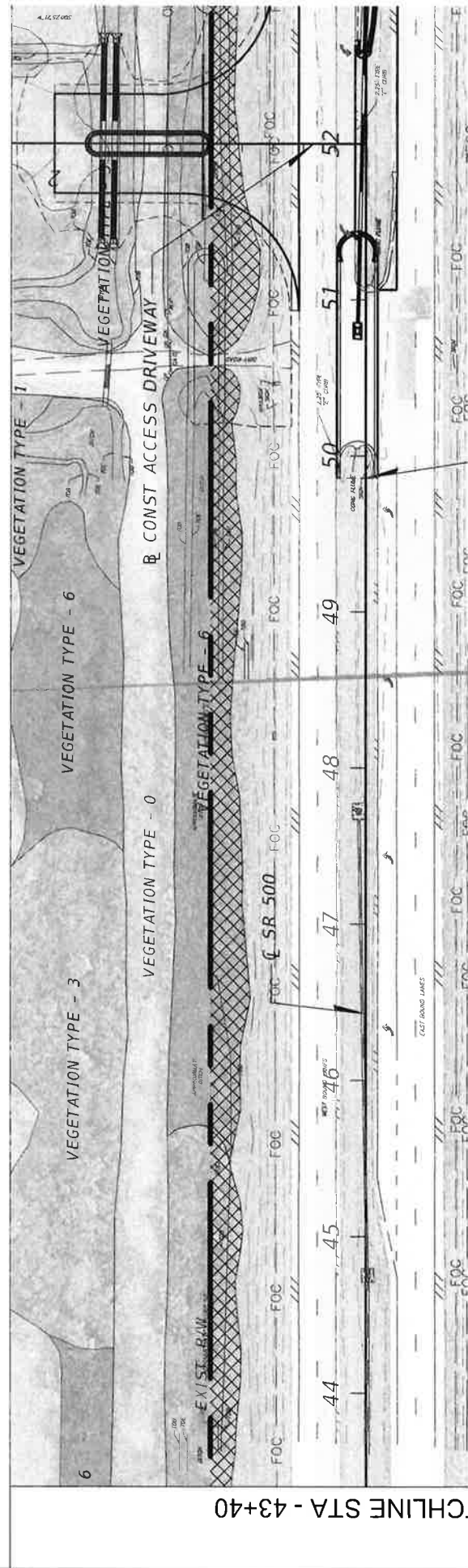
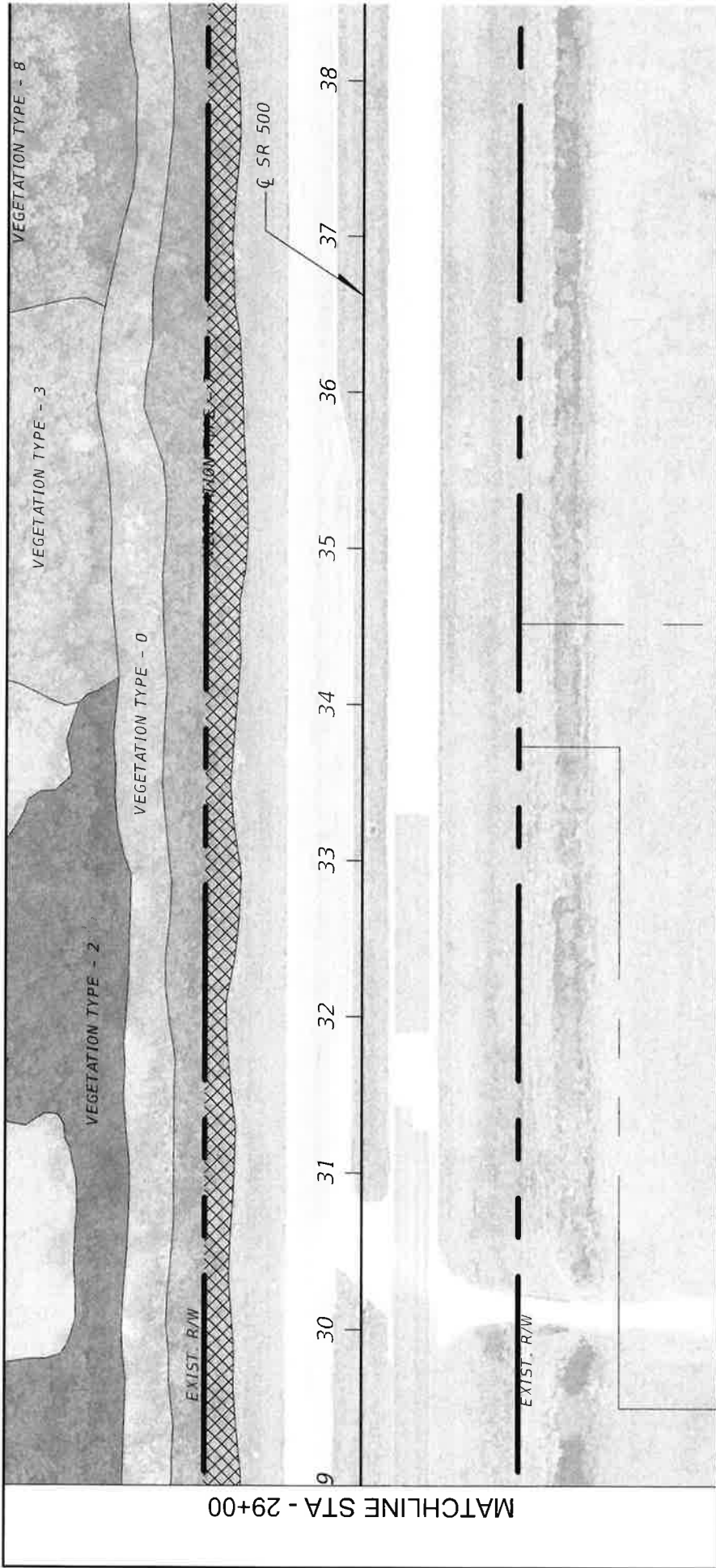
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STA. 51+92
STA. 0+00.00





VEGETATION TYPE - 9

VEGETATION TYPE - 6

VEGETATION TYPE - 9

VEGETATION TYPE - 0

VEGETATION TYPE - 7

MATCHLINE STA - 57+80

EXIST. R/W

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CL SR 500

FOC

FOC

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FOC

EXIST. R/W

FOC

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VEGETATION TYPE - 0

VEGETATION TYPE - 8

VEGETATION TYPE - 6

VEGETATION TYPE - 0

VEGETATION TYPE - 8

EXIST. R/W

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CL SR 500

FOC

FOC

FOC

FOC

EXIST. R/W

FOC

FOC

FOC

FOC

FOC

FOC

FOC

Driveway Improvements for Brevard County Solid Waste Management Facility State Road No 500 (US 192)

Pay Item No	Description	Unit	Quantity	Cost	Amount
0101 1	MOBILIZATION	LS	1	56909	56909
0102 1	MAINTENANCE OF TRAFFIC	LS	1	32000	32000
0104 10 3	SEDIMENT BARRIER SILT FENCE	LF	1355	2	2710
0104 18	INLET PROTECTION SYSTEM	EA	9	108	972
0110 1 1	CLEARING & GRUBBING	AC	2.77	12000	33240
0110 1 1	CLEARING & GRUBBING (CLEAR LAY DOWN YARD)	AC	1	12000	12000
0110 4 10	REMOVAL OF EXISTING CONCRETE	SY	42	20	840
0120 1	REGULAR EXCAVATION	CY	2558	10	25580
0120 6	EMBANKMENT	CY	2880	15.8	45504
0160 4	TYPE B STABILIZATION	SY	5615	6	33690
285703	OPTIONAL BASE, BASE GROUP 03	SY	890	20	17800
285712	OPTIONAL BASE, BASE GROUP 12	SY	7698	20	153960
0334 1 13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	TN	143	115	16445
0337 7 82	ASPHALT CONCRETE FRICTION COURSE, TRAFFIC C, FC-9.5, PG 76-22	TN	1905	115	219075
0425 1521	INLETS, DT BOT, TYPE C, <10	EA	1	3466	3466
0425 1523	INLETS, DT BOT, TYPE C, JBOT, <10	EA	3	5742	17226
0425 1701	INLETS, GUTTER, TYPE S, <10	EA	5	3787	18935
430174118	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 18"SD	LF	226	77.77	17576.02
430174124	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 24"SD	LF	621	97.97	60839.37
0430200 29	FLARED END SECTION, CONCRETE, 24"	EA	4	2800	11200
0520 1 7	CONCRETE CURB & GUTTER, TYPE E	LF	130	28.4	3692
0520 2 8	CONCRETE CURB, TYPE RA	LF	174	28.4	4941.6
0524 1 2	CONCRETE DITCH PAVEMENT, 4"	SY	245	65	15925
0570 1 2	PERFORMANCE TURF, SOD	SY	7200	2.5	18000
0630 2 11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	520	20	10400
077 1 11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	4	300	1200
0700 1 12	SINGLE POST SIGN, F&I GROUND MOUNT, 12-20 SF	AS	9	300	2700
0700 1 60	SINGLE POST SIGN, REMOVE	AS	4	50	200
0700 2 14	MULTI- POST SIGN, F&I GROUND MOUNT, 31-50 SF	AS	2	700	1400
711-14-160	THRMPLSTC, WHITE, MESSAGE	EA	3	110	330
711-14-170	THRMPLSTC, WHITE, ARROW	EA	13	66	858
711-15-111	THRMPLSTC, WHITE, SOLID, 6"	LF	2577	0.79	2035.83
711-15-231	THRMPLSTC, YELLOW, SKIP, 6"	LF	312	0.44	137.28
711-15-211	THRMPLSTC, YELLOW, SOLID, 6"	LF	2857	0.79	2257.03
711-15-141	THRMPLSTC, WHITE, 2-4 DOTTED/6-10 GAP 6"	LF	1336	0.02	26.72
711-17-1	Thermoplastic Removal	LF	67	3.3	221.1
	Raised Pavement Markers	EA	148	3.3	488.4
				TOTAL:	\$844,780.35

The estimated cost of the project accounts for all costs associated with performing and completing the project.

ENGINEER'S OPINION OF PROBABLE COSTS
DRIVEWAY IMPROVEMENTS FOR BREVARD COUNTY SOLID WASTE MANAGEMENT FACILITY

BREVARD COUNTY SR 500 (US 192)

Constructed by 3rd Party Contractor Selected via Public Bid
 With Pavement in R/W per FDOT Recommendations

PAY ITEM NO.	PAY ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
I. ROADWAY CONSTRUCTION					
0101 1	MOBILIZATION	LS	1	\$58,000.00	\$58,000.00
0102 1	MAINTENANCE OF TRAFFIC	LS	1	\$33,000.00	\$33,000.00
0104 10 3	SEDIMENT BARRIER	LF	1355	\$2.00	\$2,710.00
0104 18	INLET PROTECTION SYSTEM	EA	9	\$108.00	\$972.00
0110 1 1	CLEARING & GRUBBING	AC	4.86	\$12,000.00	\$58,320.00
0110 4 10	REMOVAL OF EXISTING CONCRETE	SY	42	\$24.00	\$998.40
0110 7 1	MAILBOX, F&I SINGLE	EA	1	\$190.00	\$190.00
0120 1	REGULAR EXCAVATION	CY	830.7	\$10.50	\$8,722.35
0120 2 2	BORROW EXCAVATION, TRUCK MEASURE	CY	1517.9	\$19.25	\$29,219.58
0120 6	EMBANKMENT	CY	2348.6	\$11.25	\$26,421.75
0160 4	TYPE B STABILIZATION	SY	6714	\$5.50	\$36,927.00
285702	OPTIONAL BASE, BASE GROUP 02	SY	996	\$10.50	\$10,458.00
0285703	OPTIONAL BASE, BASE GROUP 03	SY	NA	\$20.50	NA
285709	OPTIONAL BASE, BASE GROUP 09	SY	4753	\$19.00	\$90,307.00
0285712	OPTIONAL BASE, BASE GROUP 12	SY	587	\$31.00	\$18,197.00
0334 1 14	SUPERPAVE ASPHALTIC CONC, TRAFFIC D	TN	971.2	\$100.00	\$97,120.00
0337 7 85	ASPHALT CONCRETE FRICTION COURSE, TRAFFIC D, FC-12.5, PG 76-22	TN	459.0	\$115.00	\$52,785.00
0425 1521	INLETS, DT BOT, TYPE C, <10'	EA	1	\$3,870.00	\$3,870.00
0425 1523	INLETS, DT BOT, TYPE C, JBOT, <10'	EA	3	\$5,200.00	\$15,600.00
0425 1701	INLETS, GUTTER, TYPE S, <10'	EA	5	\$4,500.00	\$22,500.00
430174124	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 24"SD	LF	671	\$92.00	\$61,732.00
430174142	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 42"SD	LF	276	\$124.00	\$34,224.00
0430200 40	FLARED END SECTION, CONCRETE, 42"	EA	4	\$6,500.00	\$26,000.00
0520 1 7	CONCRETE CURB & GUTTER, TYPE E	LF	130	\$23.00	\$2,990.00
0520 2 8	CONCRETE CURB, TYPE RA	LF	169	\$31.00	\$5,234.07
0524 1 2	CONCRETE DITCH PAVEMENT, NON REINFORCED, 4"	SY	245	\$68.00	\$16,660.00
0550 10210	FENCING, TYPE B, 0.0-5.0', STANDARD FEATURES	LF	1600	\$19.00	\$30,400.00
0550 60222	FENCE GATE, TYPE B, DOUBLE, 6.1-12.0' OPENING	EA	2	\$1,600.00	\$3,200.00
0570 1 2	PERFORMANCE TURF, SOD	SY	7121	\$3.00	\$21,363.00
0630 2 11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	450	\$7.75	\$3,487.50
0700 1 11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	6	\$335.00	\$2,010.00
0700 1 12	SINGLE POST SIGN, F&I GROUND MOUNT, 12-20 SF	AS	1	\$1,000.00	\$1,000.00
0700 1 60	SINGLE POST SIGN, REMOVE	AS	4	\$32.00	\$128.00
0700 2 14	MULTI- POST SIGN, F&I GROUND MOUNT, 31-50 SF	AS	2	\$4,200.00	\$8,400.00
0706 1 3	RAISED PAVEMENT MARKER, TYPE B	EA	165	\$6.00	\$990.00
0710 11290	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, ISLAND NOSE	SF	51	\$3.00	\$153.00
0711 11124	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18" FOR DIAGONALS AND CHEVRONS	LF	271	\$3.00	\$813.00
0711 11125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	28	\$4.50	\$126.00
0711 11141	THERMOPLASTIC, STANDARD, WHITE, 2-4 DOTTED GUIDELINE/ 6-10 GAP EXTENSION, 6"	GM	0.111	\$1,839.00	\$204.13
0711 11160	THERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL	EA	2	\$150.00	\$300.00
0711 11170	THERMOPLASTIC, STANDARD, WHITE, ARROW	EA	13	\$65.50	\$851.50
0711 11224	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18" FOR DIAGONAL OR CHEVRON	LF	146	\$3.75	\$547.50
0711 16101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	0.587	\$4,100.00	\$2,406.70
0711 16201	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	GM	0.541	\$4,150.00	\$2,245.15
0711 16231	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SKIP, 6"	GM	0.059	\$1,600.00	\$94.40
0711 17 1	THERMOPLASTIC, REMOVE EXISTING THERMOPLASTIC PAVEMENT MARKINGS- SURFACE TO REMAIN	SF	67	\$1.00	\$67.00
SUB-TOTAL					\$791,945.03
15.0% CONTINGENCY					\$118,791.75
TOTAL (ROADWAY CONSTRUCTION)					\$910,736.78
II. CONSTRUCTION PHASE SERVICES					
TASK 1	BID PHASE SERVICES				
-	ADMINISTRATION (S2LI)				\$3,900.00
-	ENGINEER OF RECORD (TEDS)				\$10,000.00
-	CEI (CONSOR)				\$29,000.00
SUB-TOTAL					\$42,900.00
TASKS 2 & 3	CONSTRUCTION PHASE & PROJECT CLOSEOUT SERVICES				
-	ADMINISTRATION (S2LI)				\$11,450.00
-	ENGINEER OF RECORD (TEDS)				\$13,500.00
-	CEI (CONSOR)				\$101,000.00
SUB-TOTAL					\$125,950.00
TOTAL					\$168,850.00
25.0% CONTINGENCY					\$42,212.50
TOTAL (CONSTRUCTION PHASE SERVICES)					\$211,062.50
TOTAL PROJECT COSTS					\$1,121,799.28

LEGEND

Pay Items / Quantities Associated with Alternate Pavement Sections Being Considered

<u>Title XVIII</u>	<u>Chapter 255</u>	<u>View Entire</u>
PUBLIC LANDS AND PROPERTY	PUBLIC PROPERTY AND PUBLICLY OWNED BUILDINGS	<u>Chapter</u>

CHAPTER 255
PUBLIC PROPERTY AND PUBLICLY OWNED BUILDINGS

255.20(1)(c)9. If the governing board of the local government complies with all of the requirements of this subparagraph, conducts a public meeting under s. 286.011 after public notice, and finds by majority vote of the governing board that it is in the public's best interest to perform the project using its own services, employees, and equipment. The public notice must be published at least 21 days before the date of the public meeting at which the governing board takes final action. The notice must identify the project, the components and scope of the work, and the estimated cost of the project fully accounting for all costs associated with performing and completing the work, including employee compensation and benefits, equipment cost and maintenance, insurance costs, and the cost of direct materials to be used in the construction of the project, including materials purchased by the local government, and other direct costs, plus a factor of 20 percent for management, overhead, and other indirect costs. The notice must specify that the purpose for the public meeting is to consider whether it is in the public's best interest to perform the project using the local government's own services, employees, and equipment. Upon publication of the public notice and for 21 days thereafter, the local government shall make available for public inspection, during normal business hours and at a location specified in the public notice, a detailed itemization of each component of the estimated cost of the project and documentation explaining the methodology used to arrive at the estimated cost. At the public meeting, any qualified contractor or vendor who could have been awarded the project had the project been competitively bid shall be provided with a reasonable opportunity to present evidence to the governing board regarding the project and the accuracy of the local government's estimated cost of the project. In deciding whether it is in the public's best interest for the local government to perform a project using its own services, employees, and equipment, the governing board must consider the estimated cost of the project fully accounting for all costs associated with performing and completing the work, including employee compensation and benefits, equipment cost and maintenance, insurance costs, and the cost of direct materials to be used in the construction of the project, including materials purchased by the local government, and other direct costs, plus a factor of 20 percent for management, overhead, and other indirect costs, and the accuracy of the estimated cost in light of any other information that may be presented at the public meeting and whether the project requires an increase in the number of government employees or an increase in capital expenditures for public facilities, equipment, or other capital assets. The local government may further consider the impact on local economic development, the impact on small and minority business owners, the impact on state and local tax revenues, whether the private sector contractors provide health insurance and other benefits equivalent to those provided by the local government, and any other factor relevant to what is in the public's best interest. A report summarizing completed projects constructed by the local government pursuant to this subsection shall be publicly reviewed each year by the governing body of the local government. The report shall detail the estimated costs and the actual costs of the projects constructed by the local government pursuant to this subsection. The report shall be made available for review by the public. The Auditor General shall review the report as part of his or her audits of local governments.