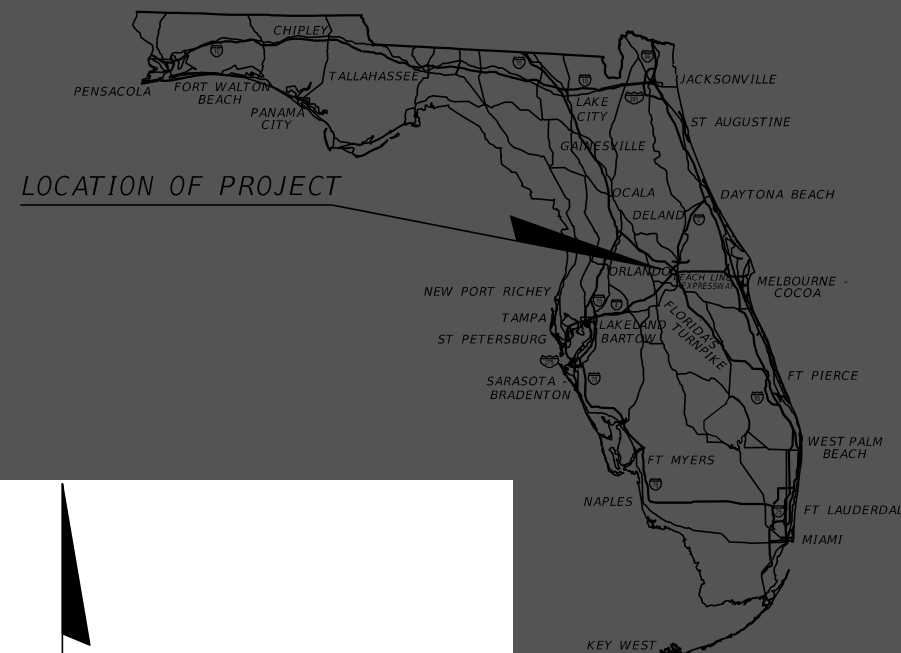


TOWN OF WINDERMERE

CONCEPT PLANS

BUTLER STREET & SEVENTH AVENUE DRAINAGE IMPROVEMENTS

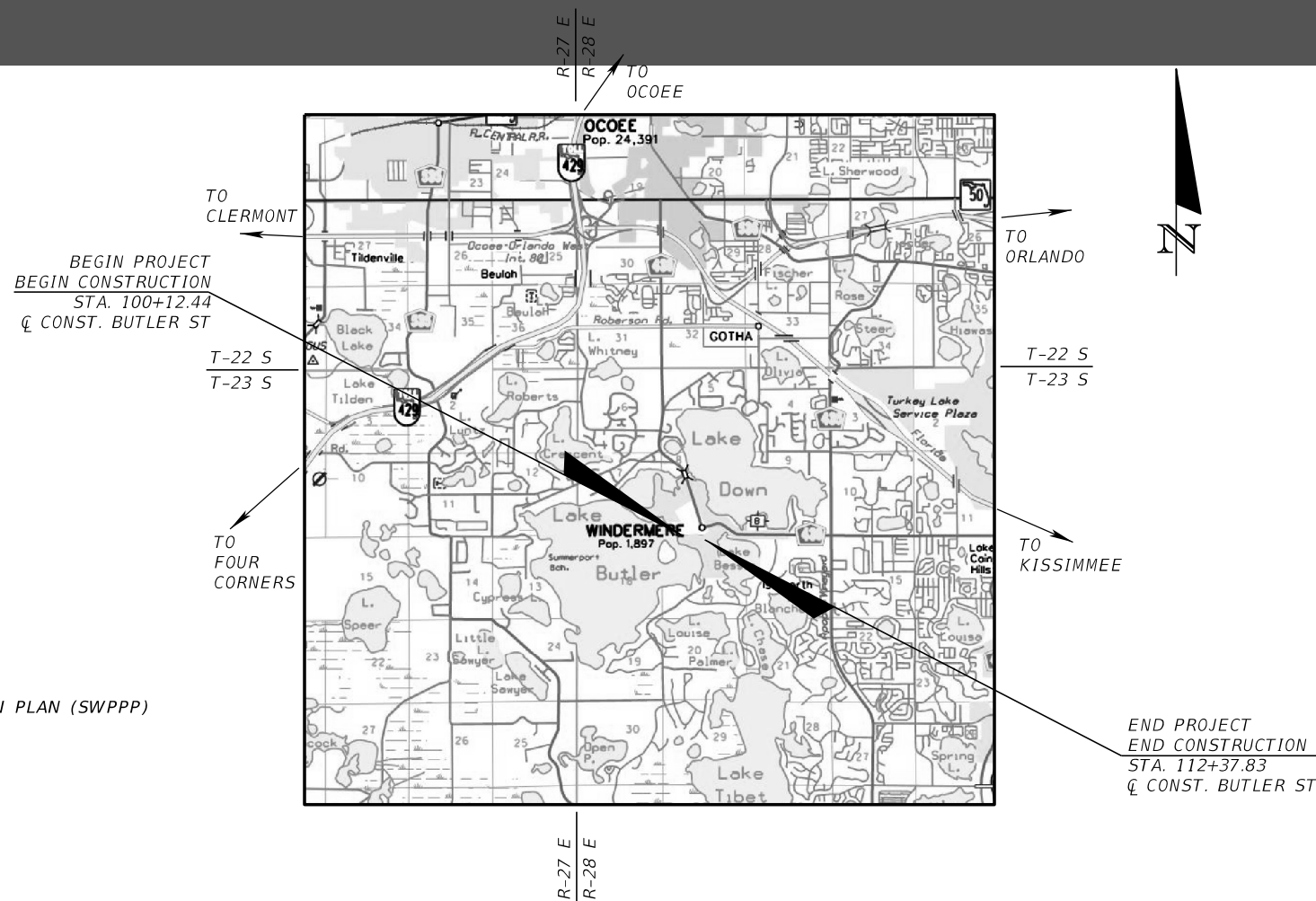


CONTRACT PLANS COMPONENTS

ROADWAY PLANS

INDEX OF ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
2	SIGNATURE SHEET
3	DRAINAGE MAP
4-7	TYPICAL SECTIONS
8	PROJECT LAYOUT
9	GENERAL NOTES
10-13	PLAN-PROFILE SHEETS
14	DRAINAGE DETAILS
15	DRAINAGE STRUCTURES
16-26	CROSS SECTIONS
27	STORMWATER POLLUTION PREVENTION PLAN (SWPPP)
L1.00-L1.50	LANDSCAPE PLANS



GOVERNING DESIGN STANDARDS:

Florida Department of Transportation, FY2021-22 Standard Plans for Road and Bridge Construction and applicable Interim Revisions (IRS).

Standard Plans for Road Construction and associated IRs are available at the following website: <http://www.fdot.gov/design/standardplans>

Standard Plans for Bridge Construction are included in the Structures Plans Component.

GOVERNING STANDARD SPECIFICATIONS:

Florida Department of Transportation, January 2021 Standard Specifications for Road and Bridge Construction at the following website: <http://www.fdot.gov/programmanagement/Implemented/SpecBooks>

PROJECT LENGTH IS BASED ON \bar{C} OF CONSTRUCTION

LENGTH OF PROJECT		
	BUTLER STREET & 7TH AVENUE	
	LINEAR FEET	MILES
ROADWAY	1325.420	0.251
NET LENGTH OF PROJECT	1325.420	0.251

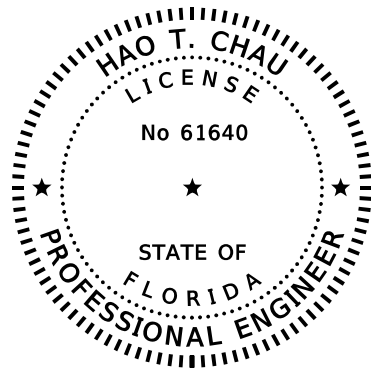
ROADWAY PLANS
ENGINEER OF RECORD:
HAO T. CHAU, P.E. NO: 61640

Kin & Horn

189 SOUTH ORANGE AVENUE
SUITE 1000
ORLANDO, FLORIDA 32801
TEL: (407) 898-1511
VENDOR NO. F560885615-001
CERTIFICATE OF AUTHORIZATION NO. 696

CONSTRUCTION CONTRACT NO.	FISCAL YEAR	SHEET NO.
	21	1

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY:

ON THE DATE ADJACENT TO THE SEAL.

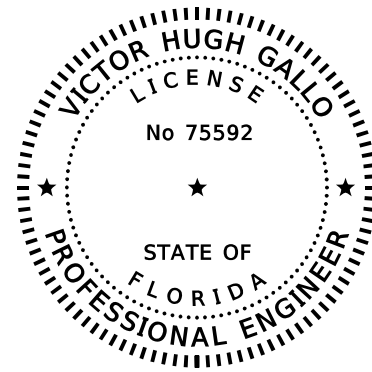
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189 S ORANGE AVE. SUITE 1000
ORLANDO, FLORIDA 32801
CERTIFICATE OF AUTHORIZATION NO. 696
VICTOR H. GALLO, P.E. NO. 75592

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

ROADWAY PLANS

- 1 KEY SHEET
- 2 SIGNATURE SHEET
- 4-7 TYPICAL SECTIONS
- 8 PROJECT LAYOUT
- 9 GENERAL NOTES
- 10-13 PLAN-PROFILE SHEETS
- 16-26 CROSS SECTIONS



THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY:



ON THE DATE ADJACENT TO THE SEAL.

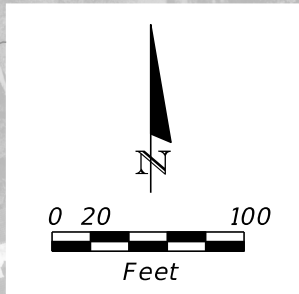
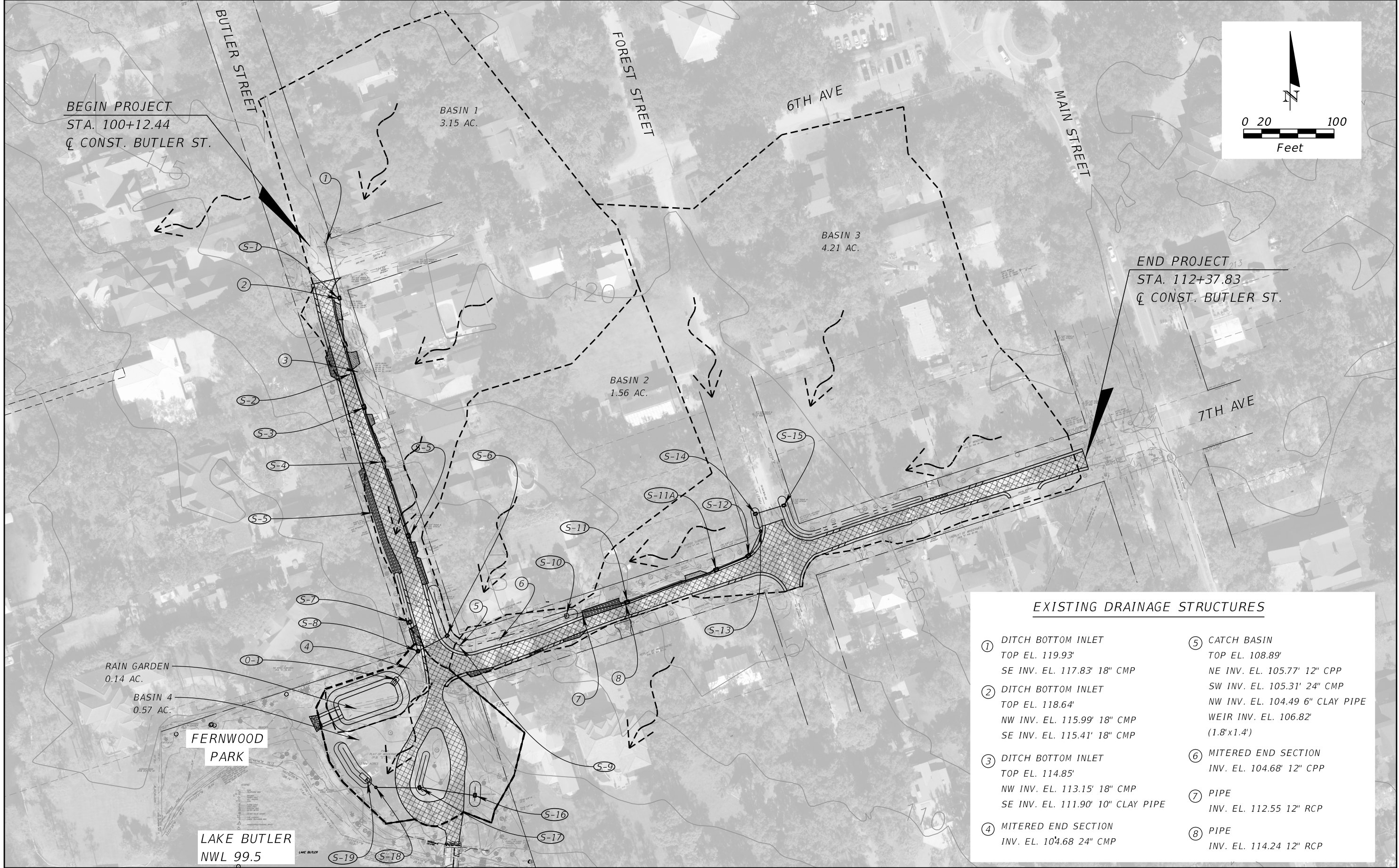
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ORLANDO, FLORIDA 32801
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VICTOR H. GALLO, P.E. NO. 75592

ROADWAY PLANS

- 3 DRAINAGE MAP
- 14 DRAINAGE DETAILS
- 15 DRAINAGE STRUCTURES
- 27 STORMWATER POLLUTION PREVENTION PLAN (SWPPP)

REVISIONS				 Certificate Of Authorization No. 696 Hao T. Chau, P.E. P.E. License No. 61640 189 South Orange Avenue, Suite 1000 Orlando, Florida 32801	 TOWN OF WINTERMERE	SIGNATURE SHEET	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION				2



BEGIN PROJECT
 STA. 100+12.44
 C.C. CONST. BUTLER ST.

END PROJECT
 STA. 112+37.83
 C.C. CONST. BUTLER ST.

EXISTING DRAINAGE STRUCTURES

- | | |
|---|---|
| ① DITCH BOTTOM INLET
TOP EL. 119.93'
SE INV. EL. 117.83' 18" CMP | ⑤ CATCH BASIN
TOP EL. 108.89'
NE INV. EL. 105.77' 12" CPP
SW INV. EL. 105.31' 24" CMP
NW INV. EL. 104.49 6" CLAY PIPE
WEIR INV. EL. 106.82'
(1.8'x1.4') |
| ② DITCH BOTTOM INLET
TOP EL. 118.64'
NW INV. EL. 115.99' 18" CMP
SE INV. EL. 115.41' 18" CMP | ⑥ MITERED END SECTION
INV. EL. 104.68' 12" CPP |
| ③ DITCH BOTTOM INLET
TOP EL. 114.85'
NW INV. EL. 113.15' 18" CMP
SE INV. EL. 111.90' 10" CLAY PIPE | ⑦ PIPE
INV. EL. 112.55 12" RCP |
| ④ MITERED END SECTION
INV. EL. 104.68 24" CMP | ⑧ PIPE
INV. EL. 114.24 12" RCP |

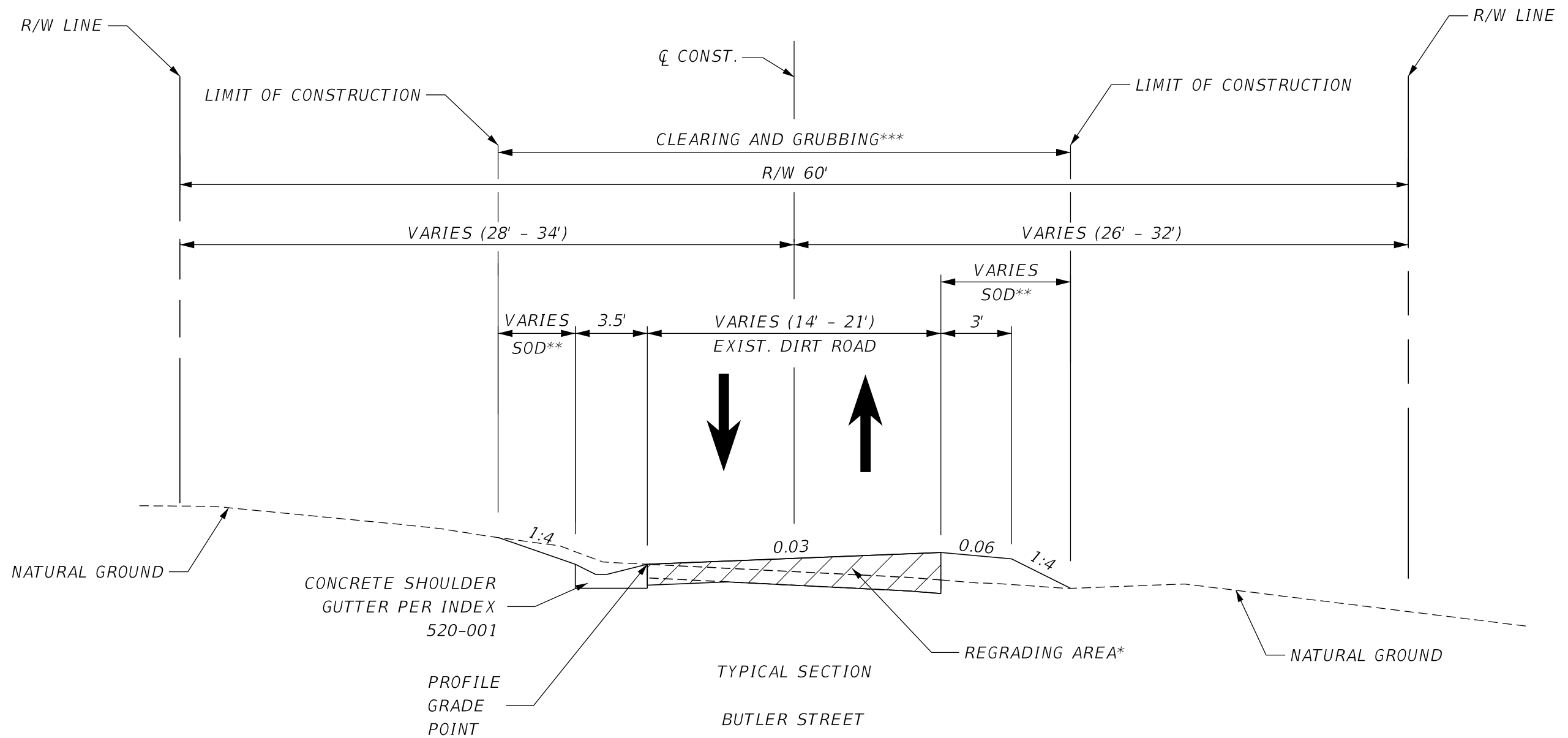
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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 Certificate Of Authorization No. 696
 Victor Gallo, P.E.
 P.E. License No. 75592
 189 South Orange Avenue, Suite 1000
 Orlando, Florida 32801

TOWN OF WINTERMERE

DRAINAGE MAP

SHEET NO.
3



TYPICAL SECTION
 BUTLER STREET
 STA. 100+73.31 TO STA. 103+56.33
 (REFER TO PLAN-PROFILE (01) FOR
 STA. 100+12.44 TO STA. 100+73.31 - IN INTERSECTION)
 N.T.S.

DESIGN SPEED = 15 MPH

* THE CONTRACTOR SHALL FURNISH AND INSTALL SHELL BASE FOR PAVERS MATERIAL PER FDOT SPECIFICATIONS SECTION 911 BASE AND STABILIZED BASE MATERIALS AND THE REQUIREMENTS LISTED IN THE GENERAL NOTES.

** SOD TO BE INSTALLED WITH PLASTIC EROSION MATTING.

*** THE CONTRACTOR SHALL MARK ALL AREAS OF CLEARING AND GRUBBING FOR TOWN REVIEW AND APPROVAL PRIOR TO COMMENCING WORK.

BUTLER STREET

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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 189 South Orange Avenue, Suite 1000
 Orlando, Florida 32801

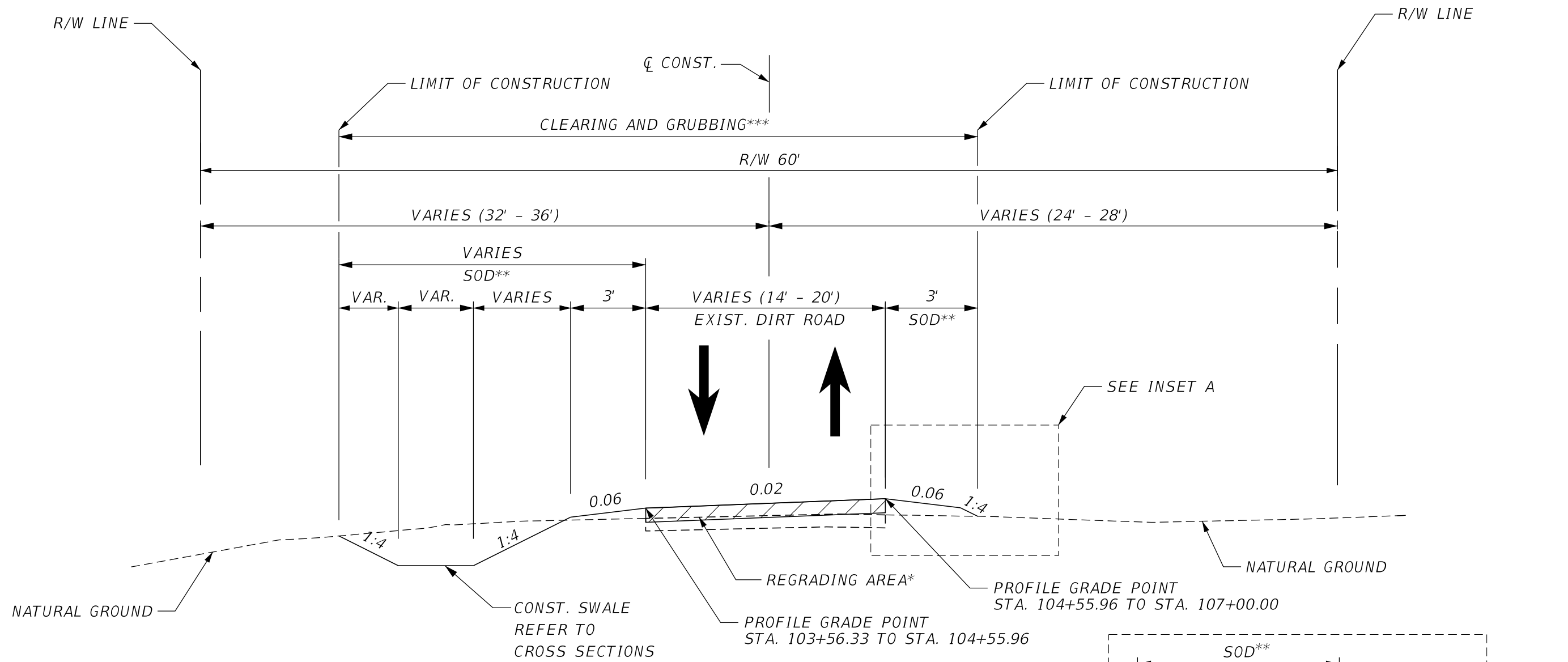


TOWN OF
 WINTERMERE

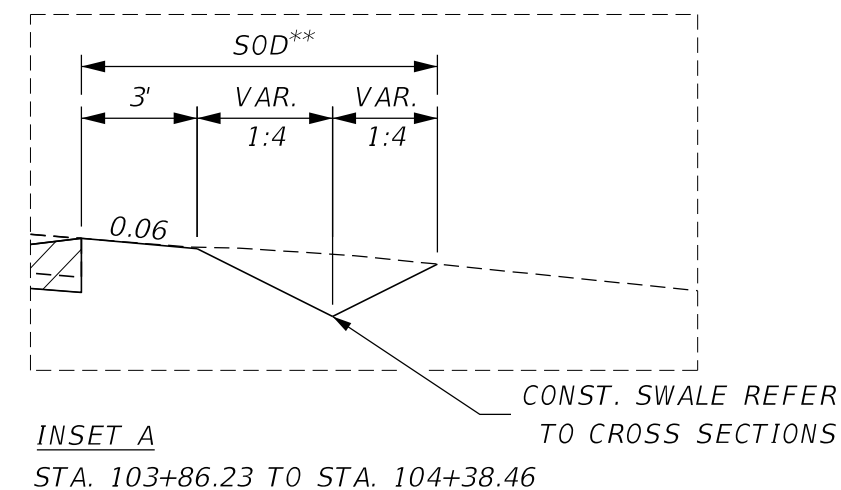
TYPICAL SECTION (01)

SHEET NO.

4



TYPICAL SECTION
 BUTLER STREET & 7TH AVENUE
 STA. 103+56.33 TO STA. 107+00.00
 N.T.S.
 DESIGN SPEED = 15 MPH



* THE CONTRACTOR SHALL FURNISH AND INSTALL SHELL BASE FOR PAVERS MATERIAL PER FDOT SPECIFICATIONS SECTION 911 BASE AND STABILIZED BASE MATERIALS AND THE REQUIREMENTS LISTED IN THE GENERAL NOTES.

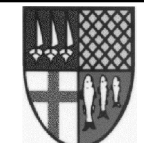
** SOD TO BE INSTALLED WITH PLASTIC EROSION MATTING.

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BUTLER STREET & 7TH AVENUE

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

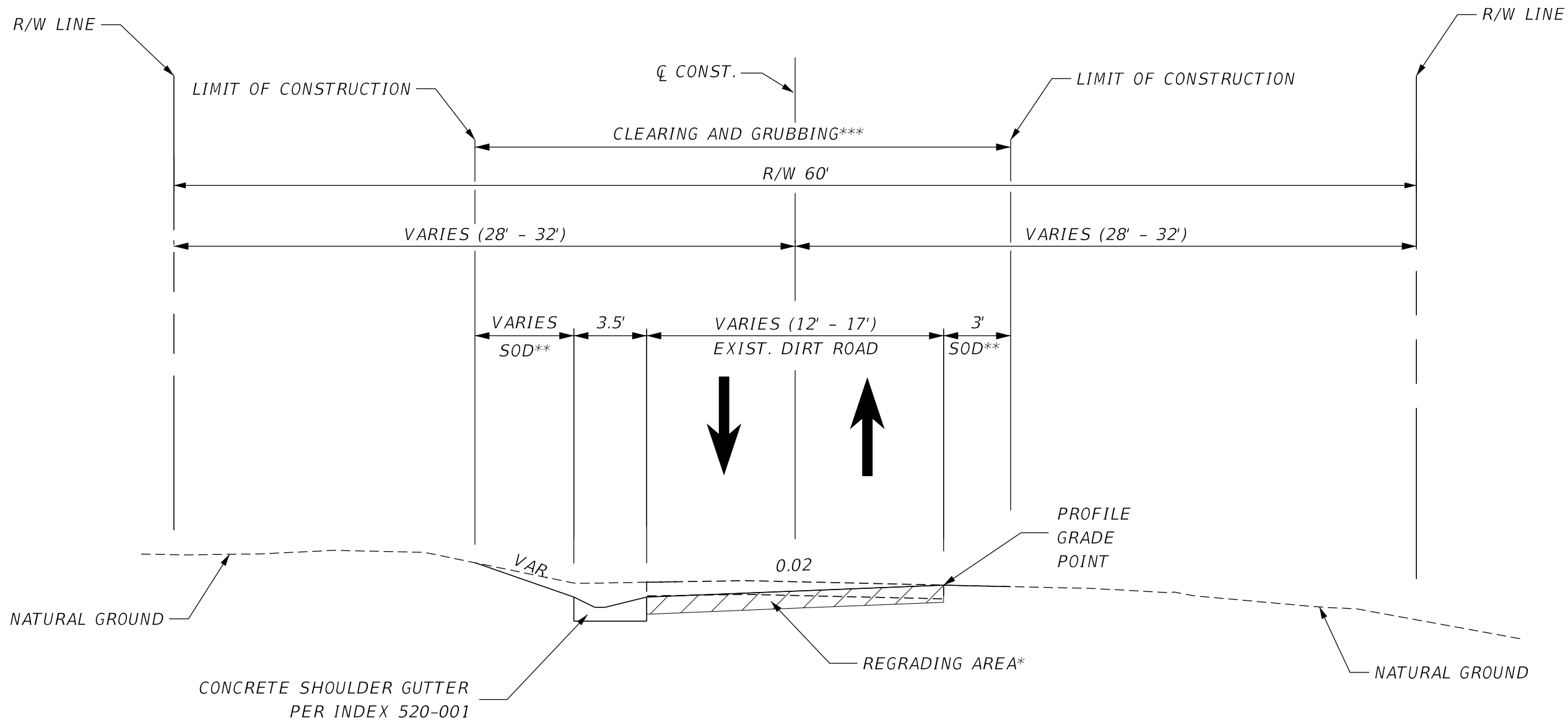
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 P.E. License No. 61640
 189 South Orange Avenue, Suite 1000
 Orlando, Florida 32801



TOWN OF
 WINTERMERE

TYPICAL SECTION (02)

SHEET NO.
 5



TYPICAL SECTION

7TH AVENUE

STA. 107+00.00 TO STA. 108+56.71

(REFER TO PLAN-PROFILE (03) FOR STA. 108+56.71 TO STA. 109+20.00 - IN INTERSECTION)

N.T.S.

DESIGN SPEED = 15 MPH

7TH AVENUE

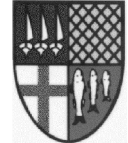
* THE CONTRACTOR SHALL FURNISH AND INSTALL SHELL BASE FOR PAVERS MATERIAL PER FDOT SPECIFICATIONS SECTION 911 BASE AND STABILIZED BASE MATERIALS AND THE REQUIREMENTS LISTED IN THE GENERAL NOTES.

** SOD TO BE INSTALLED WITH PLASTIC EROSION MATTING

*** THE CONTRACTOR SHALL MARK ALL AREAS OF CLEARING AND GRUBBING FOR TOWN REVIEW AND APPROVAL PRIOR TO COMMENCING WORK.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

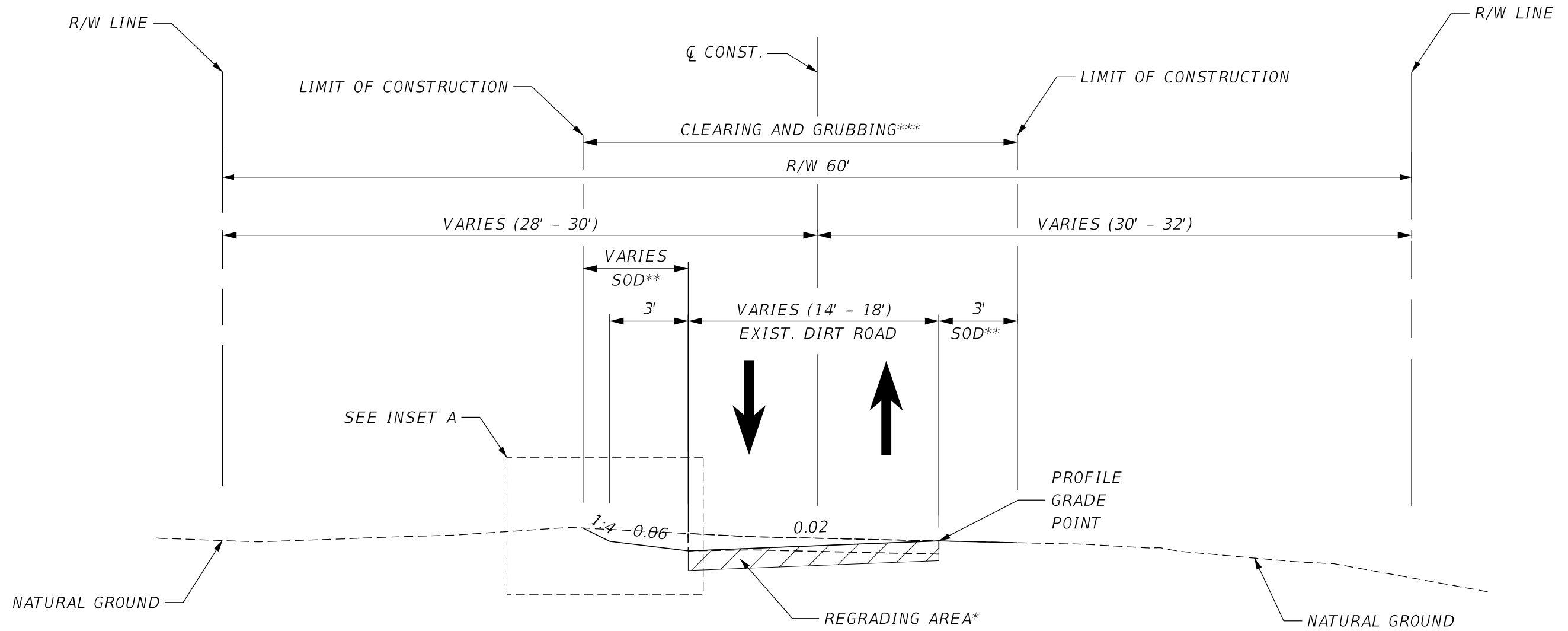
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 Orlando, Florida 32801



TOWN OF
WINTERMERE

TYPICAL SECTION (03)

SHEET NO.
6



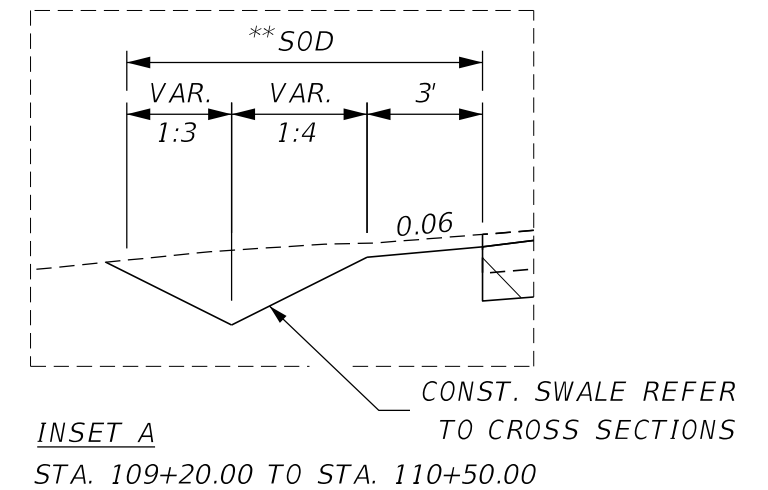
TYPICAL SECTION

7TH AVENUE

STA. 109+20.00 TO STA. 112+37.83

N.T.S.

DESIGN SPEED = 15 MPH



7TH AVENUE

* THE CONTRACTOR SHALL FURNISH AND INSTALL SHELL BASE FOR PAVERS MATERIAL PER FDOT SPECIFICATIONS SECTION 911 BASE AND STABILIZED BASE MATERIALS AND THE REQUIREMENTS LISTED IN THE GENERAL NOTES.

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*** THE CONTRACTOR SHALL MARK ALL AREAS OF CLEARING AND GRUBBING FOR TOWN REVIEW AND APPROVAL PRIOR TO COMMENCING WORK.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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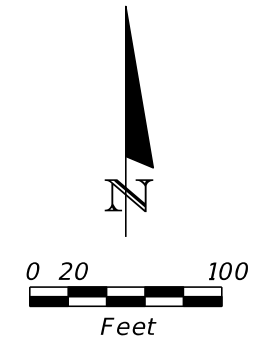
TOWN OF
WINTERMERE

TYPICAL SECTION (04)

SHEET
NO.

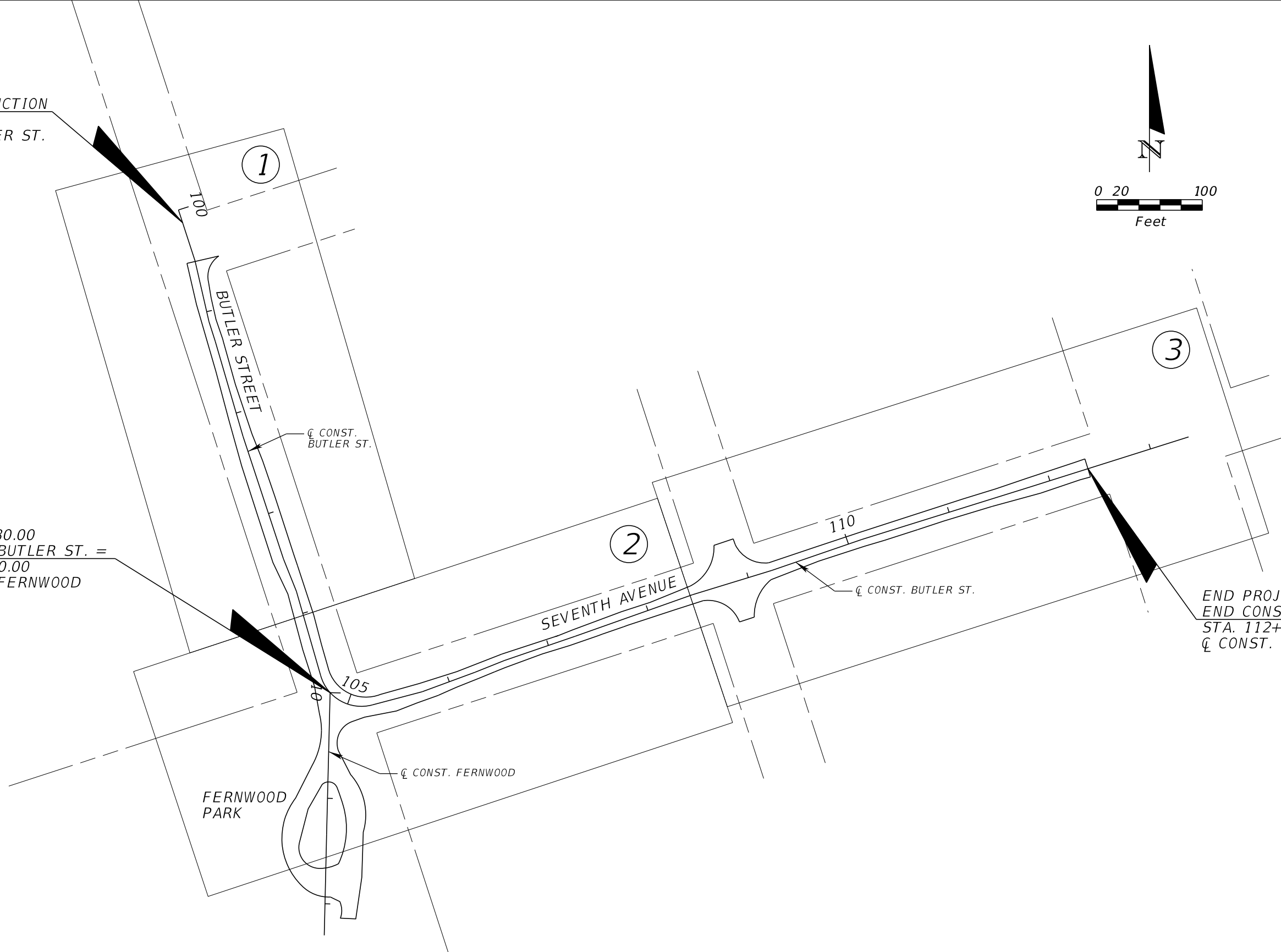
7

BEGIN PROJECT
 BEGIN CONSTRUCTION
 STA. 100+12.44
 ☒ CONST. BUTLER ST.



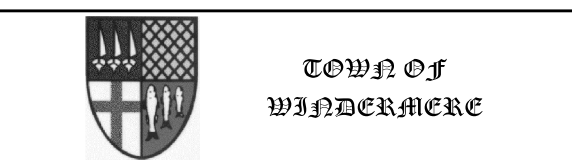
STA 104+80.00
 ☒ CONST. BUTLER ST. =
 STA. 10+00.00
 ☒ CONST. FERNWOOD

END PROJECT
 END CONSTRUCTION
 STA. 112+37.83
 ☒ CONST. BUTLER ST.



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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 P.E. License No. 61640
 189 South Orange Avenue, Suite 1000
 Orlando, Florida 32801



PROJECT LAYOUT

SHEET
 NO.
 8

GENERAL NOTES:

1. EXISTING DRAINAGE STRUCTURES WITHIN CONSTRUCTION LIMITS SHALL BE REMOVED, UNLESS OTHERWISE NOTED. EXISTING DRAINAGE MUST BE MAINTAINED UNTIL NEW SYSTEM IS ACTIVATED.
2. VERTICAL CONTROL FOR THIS PROJECT IS BASED UPON N.G.V.D 1929 (ORANGE COUNTY ENGINEERING DEPT. DATUM)
3. THE CONTRACTOR WILL RESTORE ALL AREAS DISTURBED BY THIS CONSTRUCTION TO A CONDITION EQUAL TO OR BETTER THAN THE CONDITION EXISTING PRIOR TO CONSTRUCTION, ALL DISTURBED AREAS TO BE SODDED.
4. THE CONTRACTOR SHALL FURNISH THE ENGINEER, PRIOR TO INCORPORATION INTO THE PROJECT, A CERTIFICATION FROM THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES DIVISION OF PLANT INDUSTRY, STATING THAT THE SOD, STRAW AND MULCH MATERIALS ARE FREE OF NOXIOUS WEEDS, INCLUDING TROPICAL SODA APPLE.
5. ALL SYNTHETIC BALES, ROCK BAGS AND SILT FENCE SHALL BE REMOVED AT THE COMPLETION OF THE PROJECT.
6. THE CONTRACTOR SHALL DEVELOP AND SUBMIT AN EROSION PLAN FOR THE PREVENTION, CONTROL, ABATEMENT OF EROSION, SEDIMENTATION, AND WATER POLLUTION TO THE TOWN FOR APPROVAL. EROSION CONTROL ITEMS ARE TO BE USED AT THE LOCATIONS DESCRIBED IN THE CONTRACTOR'S APPROVED EROSION CONTROL PLAN TO COMPLY WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.
7. THE CONTRACTOR IS TO MAINTAIN AND KEEP STREET NAME IDENTIFICATION VISIBLE DURING CONSTRUCTION OPERATIONS, IN ORDER TO FACILITATE EMERGENCY VEHICLE TRAFFIC. PLACEMENT OF BUSINESS ENTRANCE SIGNS AND CHANNELIZING DEVICES ARE TO BE IN ACCORDANCE WITH INDEX 600.
8. THE CONTRACTOR SHALL SUBMIT A TEMPORARY TRAFFIC CONTROL PLAN AND A CONSTRUCTION SCHEDULE WITH PROPOSED LANE CLOSURE TIMES TO THE TOWN FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.
9. STAGING AND MATERIAL STORAGE SHALL NOT BE CONDUCTED ON ABUTTING PRIVATE PROPERTY WITHOUT WRITTEN APPROVAL FROM THE OWNER.
10. NO EXISTING BASE MATERIAL REMOVED IN EXCAVATION SHALL BE REUSED IN THE NEW BASE MATERIAL.
11. THE CONTRACTOR SHALL PROVIDE ACCESS TO ALL RESIDENCES AND BUSINESSES DURING THE ENTIRE CONSTRUCTION PERIOD.
12. MATCH SOD TYPES TO ADJACENT PROPERTIES, IF NO PARTICULAR TYPE IS EVIDENT THEN THE TOWN WILL SPECIFY WHAT TYPE OF SOD SHALL BE USED.
13. ALL STATIONS AND OFFSETS ARE REFERENCED TO ϕ OF CONSTRUCTION.
14. 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 CONTRACTOR SHALL NOTIFY THE TOWN, WITHOUT DELAY, BY TELEPHONE.
15. CONTRACTOR TO DE-SILT EXISTING DRAINAGE SYSTEM.
16. ALL CROSS DRAINS AND STORM PIPE SHALL BE CLASS III REINFORCED CONCRETE PIPE.
17. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH AND CONFORM TO THE MOST STRINGENT REQUIREMENT OF THE PROJECT SPECIFICATION, THE LATEST EDITION OF THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (FDOT), AND SUPPLEMENTS THERETO, AND THE TOWN OF WINDERMERE SPECIFICATIONS.
18. SUBSURFACE INFORMATION SHOWN ON THESE DRAWINGS WAS OBTAINED FOR USE IN ESTABLISHING DESIGN CRITERIA FOR THE PROJECT. THE ACCURACY OF THIS INFORMATION IS NOT GUARANTEED AND IS NOT TO BE CONSTRUCTED AS PART OF THE PLANS GOVERNING CONSTRUCTION OF THE PROJECT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INQUIRE OF THE ENGINEER IF ADDITIONAL INFORMATION IS AVAILABLE, TO MAKE ARRANGEMENTS TO REVIEW SAME PRIOR TO BIDDING, AND TO MAKE HIS OWN DETERMINATION AS TO ALL SUBSURFACE CONDITIONS.
19. ALL PERSONAL PROPERTY, EXCEPT MAILBOXES, WITHIN THE RIGHT-OF-WAY NOT RELOCATED BY THE PROPERTY OWNER SHALL BE REMOVED BY THE CONTRACTOR AS NECESSARY TO CONSTRUCT THE PROJECT IN ACCORDANCE WITH THE PLANS.
20. THE RELOCATION OF MAILBOXES SHALL BE COORDINATED BETWEEN THE CONTRACTOR AND THE PROPERTY OWNERS AND SHALL BE APPROVED BY THE POST MASTER, IN ACCORDANCE WITH FDOT INDEX NO. 532. THIS ITEM SHALL BE PAID FOR UNDER THE UNIT PRICE FOR "MAILBOX (FURNISH & INSTALL), EA." IF APPLICABLE.
21. THE DISPOSAL OF EXCESS EARTHWORK MATERIALS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISPOSAL OF ALL UNDESIRABLE MATERIAL. ALL EXCESS MATERIAL IS THE PROPERTY OF THE CONTRACTOR.
22. ALL EXISTING TREES WITHIN THE RIGHT-OF-WAY ARE TO REMAIN UNLESS OTHERWISE NOTED. IF APPROVED BY TOWN TO BE REMOVED, THE ITEM SHALL BE PAID UNDER CLEARING AND GRUBBING.

23. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE, REMOVAL OR MODIFICATION OF ANY IRRIGATION SYSTEMS. THE CONTRACTOR SHALL REPLACE ANY DAMAGED, REMOVED OR MODIFIED IRRIGATION SYSTEMS AT NO ADDITIONAL COST.

24. AT THE END OF EACH WORK DAY THE CONTRACTOR IS RESPONSIBLE FOR SECURING THE CONSTRUCTION AREA FOR PUBLIC SAFETY.

25. ALL INLET TOP GRATES SHALL BE STEEL.

UTILITIES

1. ALL EXISTING UTILITIES WITHIN PROJECT LIMITS ARE TO REMAIN UNLESS OTHERWISE NOTED.

2. THE LOCATION(S) OF THE UTILITIES SHOWN IN THE PLANS ARE BASED ON LIMITED INVESTIGATION TECHNIQUES AND SHOULD BE CONSIDERED APPROXIMATE ONLY.

3. THE CONTRACTOR SHALL NOTIFY UTILITY OWNERS THROUGH SUNSHINE STATE ONE CALL OF FLORIDA (1-800-432-4770) AND THE UTILITY OWNERS LISTED BELOW A MINIMUM OF TWO BUSINESS DAYS (10 DAYS IF DIGGING UNDER WATER) IN ADVANCE OF BEGINNING CONSTRUCTION ON THE JOB SITE.

4. UTILITIES ENCOUNTERED:

CENTURYLINK
1325 BLAIRSTONE RD RM 113
TALLAHASSEE, FL 32301
BILL MCCLLOUD
PHONE NO.: (850) 599-1444

LAKE APOPKA NATURAL GAS DISTRICT
1320 WINTER GARDEN VINELAND RD.
WINTER GARDEN, FL 34787
SCOTT MARTIN
PHONE NO.: (407) 656-2734

CHARTER COMMUNICATIONS
3767 ALL AMERICAN BLVD.
ORLANDO, FL 32810
HELENE HERNANDEZ
PHONE NO.: (407) 532-8092

DUKE ENERGY
USIC DISPATCH
PHONE NO.: (800) 778-9140

ORANGE COUNTY UTILITIES
8100 PRESIDENTS DR.
ORLANDO, FL 32809
VICTOR GONZALEZ

AT&T DISTRIBUTION
6628 LAKESIDE ROAD
WEST PALM BEACH, FL 33411
DINO FARRUGGIO
PHONE NO.: (561) 683-2729

MCI
700 WESTON PARKWAY
CARY, NC 27513-2119
PHONE NO.: (800) 624-9675

PHONE NO.: (407) 836-6869 EXT. 66869

5. CONTRACTOR SHALL ADJUST ALL UTILITY LIDS AND COVERS TO FINISHED GRADE AS REQUIRED.

6. PRIOR TO COMMENCEMENT OF ANY EXCAVATION, THE CONTRACTOR SHALL COMPLY WITH FLORIDA STATUTE. 553.851 FOR THE PROTECTION OF UNDERGROUND GAS PIPELINES.

7. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES THAT ARE TO REMAIN IN PLACE.

UTILITY LOCATIONS

8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND VERIFYING ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION, AND FOR NOTIFYING THE VARIOUS UTILITY COMPANIES TO MAKE THE NECESSARY ARRANGEMENTS FOR ANY RELOCATION, DISRUPTION OF SERVICE, OR CLARIFICATION OF ACTIVITY REGARDING SAID UTILITY. THE CONTRACTOR SHALL EXERCISE CAUTION WHEN CROSSING AN UNDERGROUND UTILITY, WHETHER SHOWN ON THESE PLANS OR FIELD LOCATED. UTILITIES WHICH INTERFERE WITH THE PROPOSED CONSTRUCTION SHALL BE RELOCATED BY THE RESPECTIVE UTILITY COMPANY AND THE CONTRACTOR SHALL COOPERATE WITH THE UTILITY COMPANY DURING RELOCATION OPERATIONS. ANY DELAY OR INCONVENIENCE BY THE VARIOUS UTILITIES SHALL BE INCIDENTAL TO THE CONTRACT.

9. THE CONTRACTOR SHALL LOCATE AND VERIFY THE DEPTHS AND LOCATIONS OF ALL EXISTING UTILITIES WITHIN THE LIMITS FOR WORK, PRIOR TO ORDERING ANY STRUCTURES.

10. PRIOR TO EXCAVATING IN THE VICINITY OF A GAS PIPELINE THE CONTRACTOR SHALL NOTIFY THE GAS UTILITY OWNER IN ACCORDANCE WITH THE REQUIREMENTS OF FLORIDA STATUTES, PROTECTION OF UNDERGROUND PIPELINES, F.S. 553.851, CH. 77-143.

SHELL BASE FOR PAVERS MATERIAL REQUIREMENTS

1. THE EXISTING DIRT ROAD SHALL BE EXCAVATED FOR A MINIMUM DEPTH OF 6 INCHES FOR THE ENTIRE WIDTH OF THE ROAD.

2. THE SHELL BASE FOR PAVERS MATERIAL SHALL BE INSTALLED AT A MINIMUM DEPTH OF 6 INCHES TO MEET THE FINISHED GRADES SHOWN IN THE PLANS.

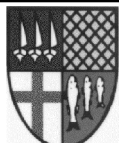
3. THE MAXIMUM LIFT FOR INSTALLING THE SHELL BASE FOR PAVERS MATERIAL IS 6 INCHES TO MEET THE FINISHED GRADES SHOWN IN THE PLANS.

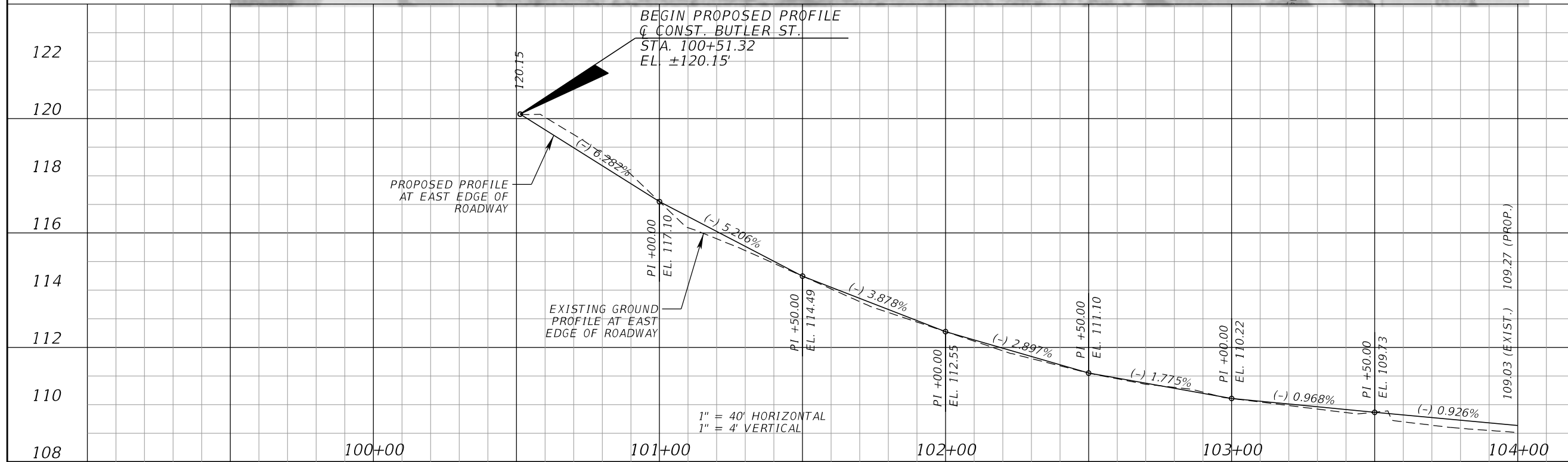
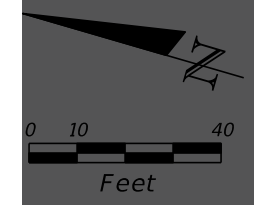
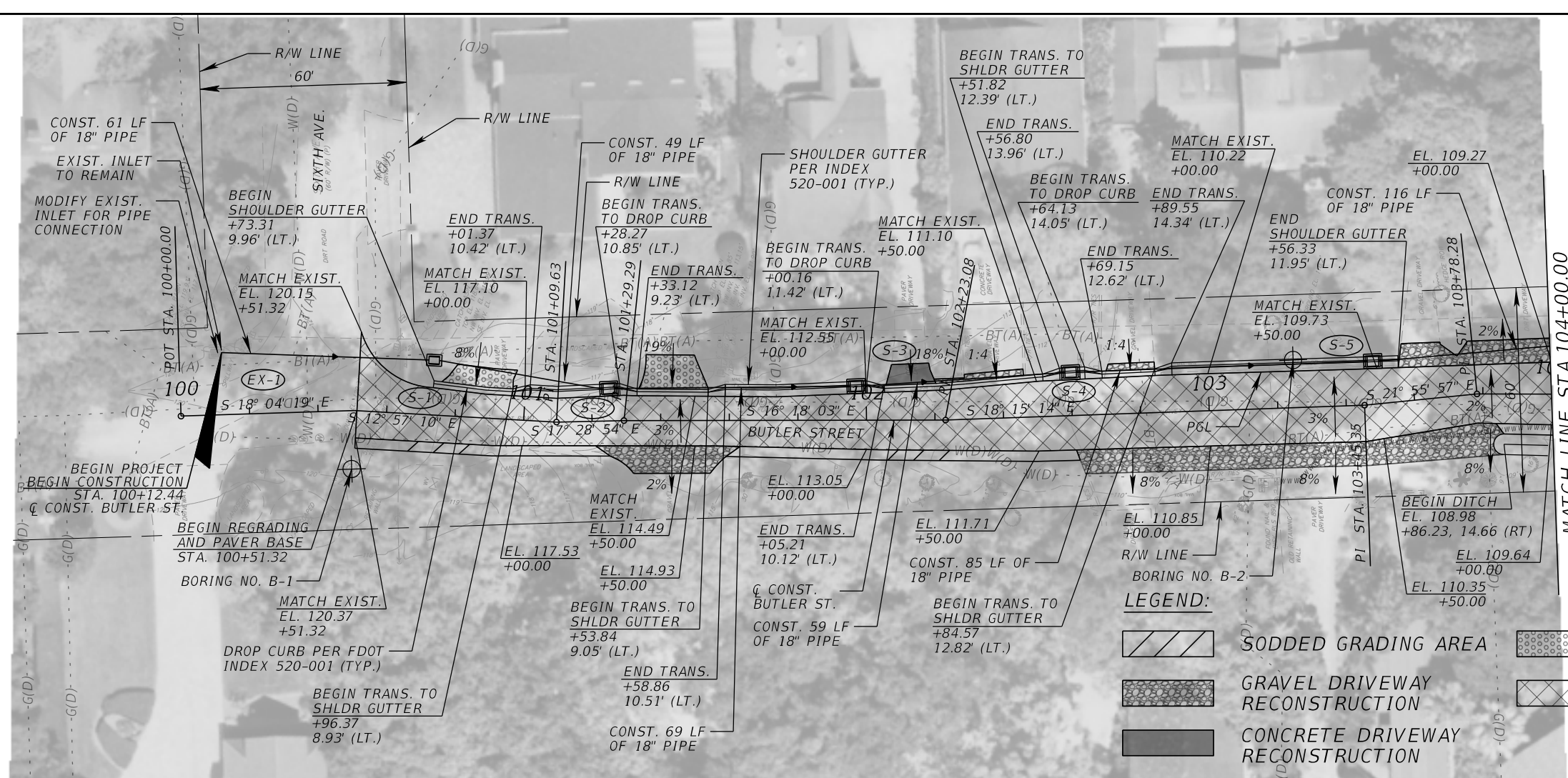
4. IF MORE THAN 6 INCHES OF THE SHELL BASE FOR PAVERS MATERIAL IS REQUIRED TO MEET THE FINISHED GRADES, USE 4 INCH LIFTS AS NEEDED.

5. ROLL WITH HEAVY TRAFFIC ROLLER BETWEEN EACH LIFT AND ON THE FINAL LIFT.

6. ALL COSTS TO FURNISH AND INSTALL TO BE INCLUDED IN PAY ITEM 285-704 OPTIONAL BASE, BASE GROUP 04. NO ADDITIONAL COMPENSATION WILL BE PROVIDED FOR DEPTHS GREATER THAN 6 INCHES TO MEET THE FINISHED GRADES.

7. THE CONTRACTOR SHALL PROVIDE MIX DESIGN SAMPLE TO THE TOWN FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.

REVISIONS				 Certificate Of Authorization No. 696 Hao T. Chau, P.E. P.E. License No. 61640 189 South Orange Ave, Suite 1000 Orlando, Florida 32801	 TOWN OF WINDERMERE	GENERAL NOTES	SHEET NO. 9
DATE	DESCRIPTION	DATE	DESCRIPTION				



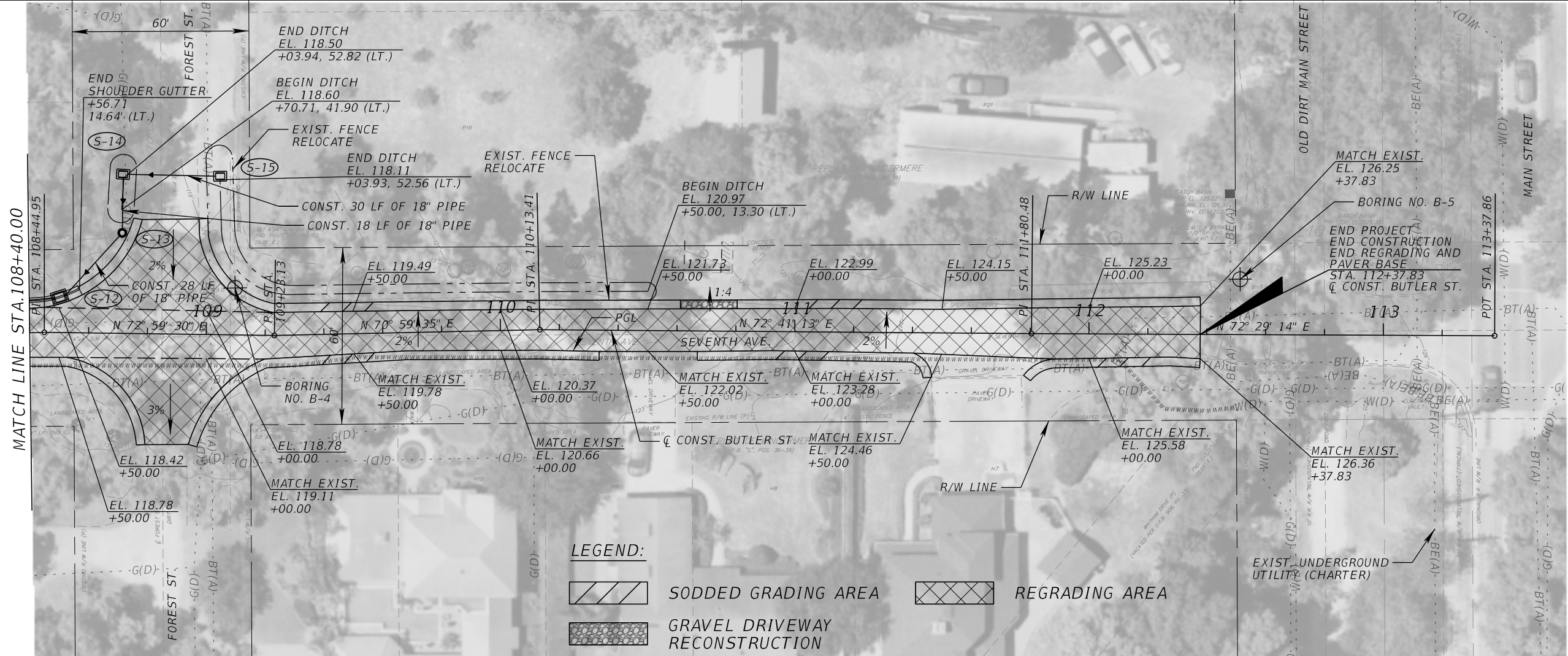
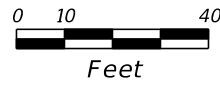
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kimley»Horn
 Certificate of Authorization No. 696
 Hao T. Chau, P.E.
 P.E. License No. 61640
 189 South Orange Avenue, Suite 1000
 Orlando, Florida 32801

TOWN OF WINDERMERE

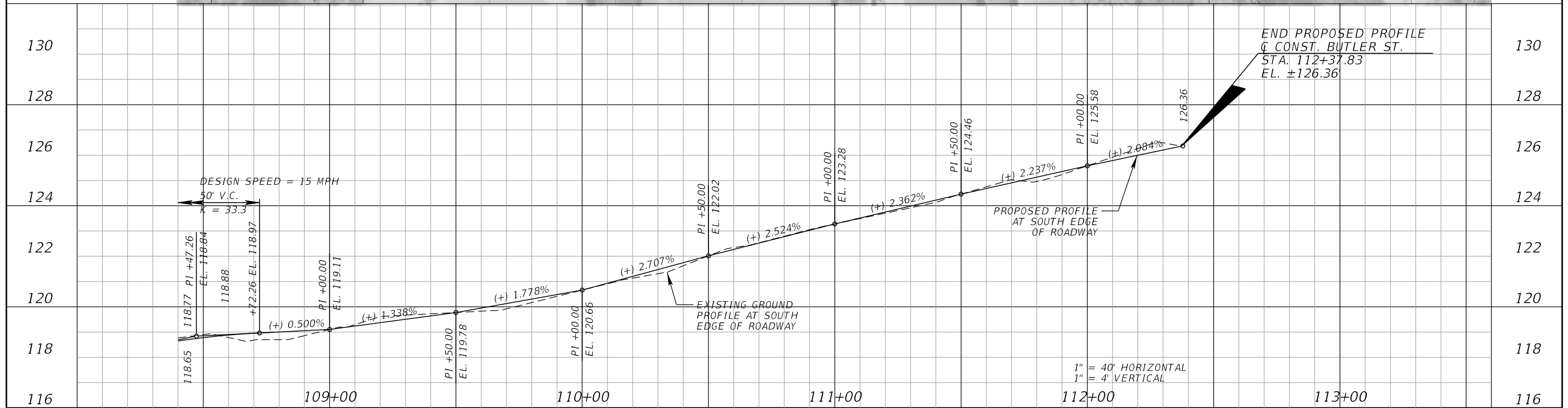
PLAN-PROFILE (01)

SHEET NO.
10



LEGEND:

- SODDED GRADING AREA
- REGRADING AREA
- GRAVEL DRIVEWAY RECONSTRUCTION



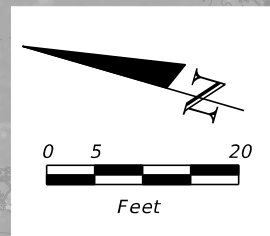
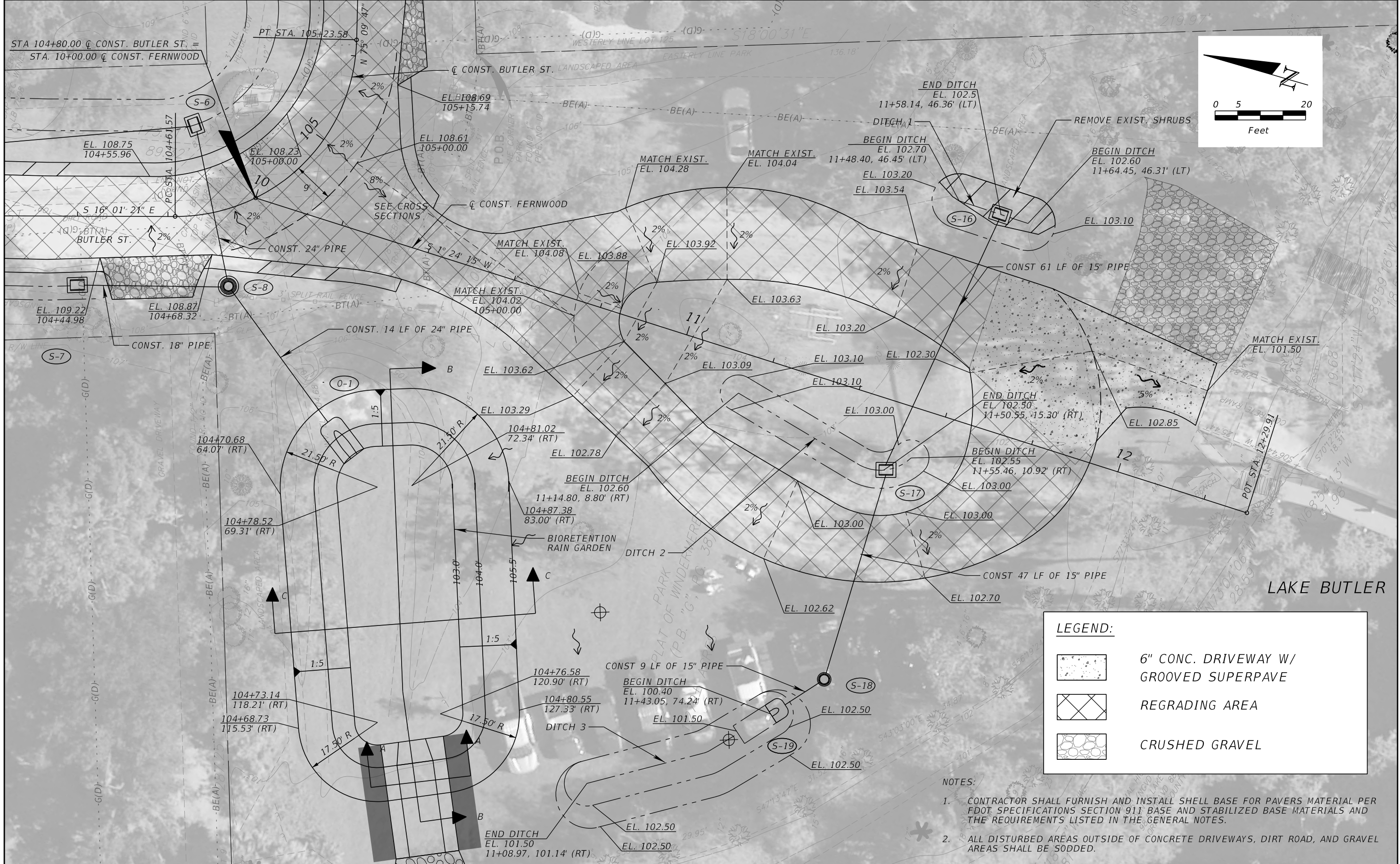
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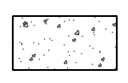
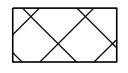
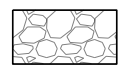
TOWN OF WINDERMERE

PLAN-PROFILE (03)

SHEET NO. 12



LEGEND:

-  6" CONC. DRIVEWAY W/
GROOVED SUPERPAVE
-  REGRADING AREA
-  CRUSHED GRAVEL

- NOTES:**
- CONTRACTOR SHALL FURNISH AND INSTALL SHELL BASE FOR PAVERS MATERIAL PER FDOT SPECIFICATIONS SECTION 913 BASE AND STABILIZED BASE MATERIALS AND THE REQUIREMENTS LISTED IN THE GENERAL NOTES.
 - ALL DISTURBED AREAS OUTSIDE OF CONCRETE DRIVEWAYS, DIRT ROAD, AND GRAVEL AREAS SHALL BE SODDED.

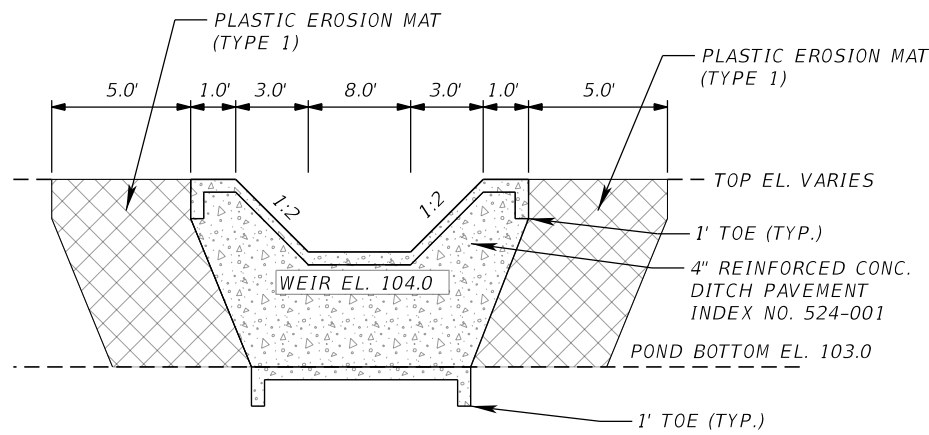
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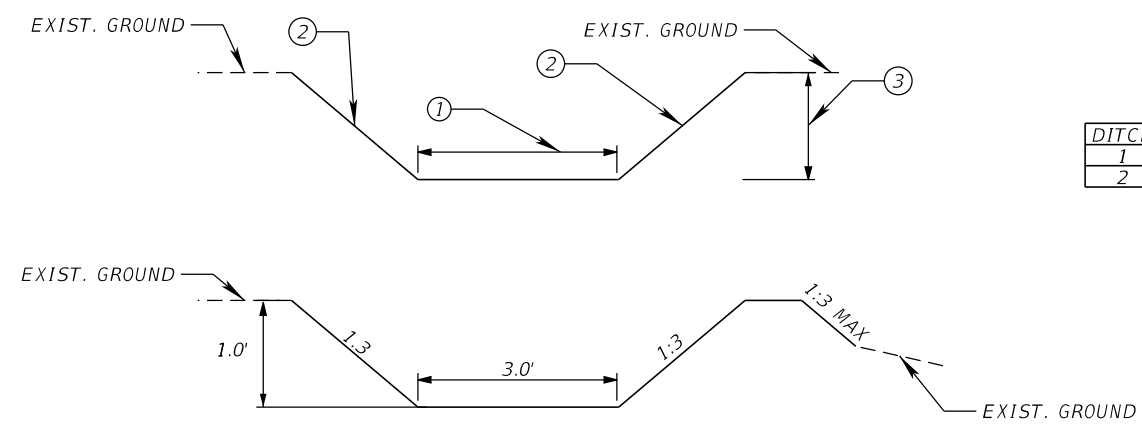
TOWN OF WINDERMERE

**PLAN (04)
 FERNWOOD PARK**

**SHEET NO.
 13**



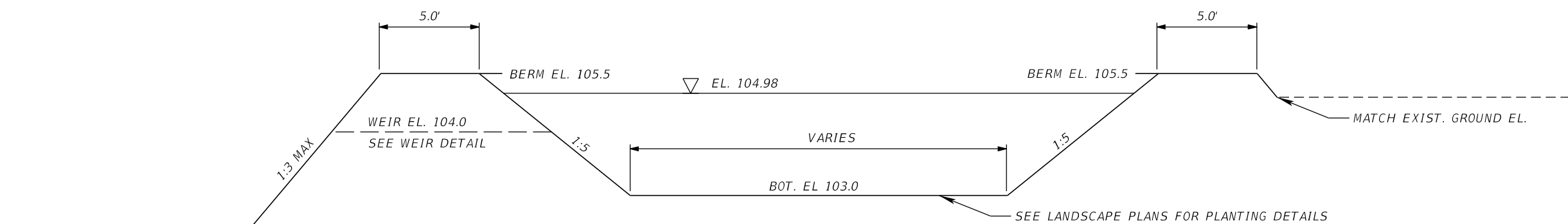
WEIR DETAIL
NTS (ALONG SECTION A-A)



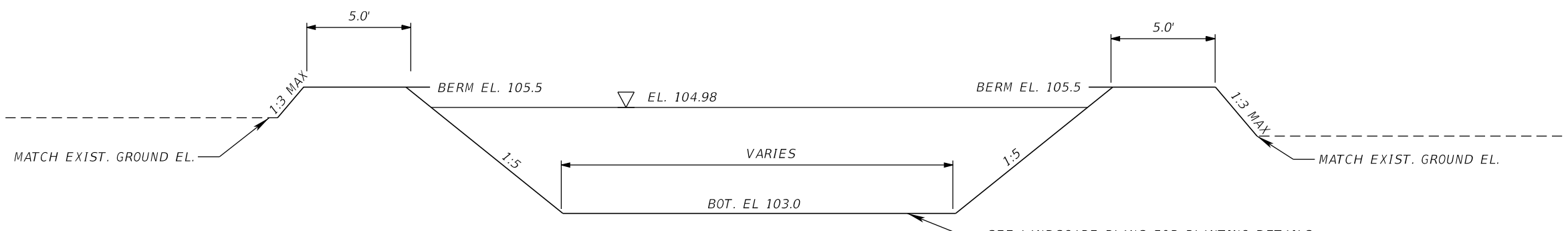
DITCH 3

DITCH	1	2	3
1	6.0'	1:6	0.5'
2	4.0'	1:4	0.5'

FERNWOOD PARK DITCH TYPICALS
NTS



POND DETAIL
NTS (ALONG SECTION B-B)

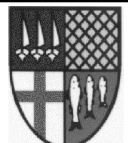


POND DETAIL
NTS (ALONG SECTION C-C)

Boring No.	Ground Surface Elevation (ft NAVD88)	Encountered Groundwater Date	Encountered Groundwater Depth (ft)	Encountered Groundwater Elevation (ft NAVD88)	Estimated Seasonal High Groundwater Depth (ft)	Estimated Seasonal High Groundwater Elevation (ft NAVD88)
B-1	+120.3	3/30/2020	GNE to 8'	-	-	-
B-2	+110.2	3/30/2020	GNE to 8'	-	8	+102.2
B-3	+115.7	3/30/2020	GNE to 8'	-	-	-
B-4	+119.0	3/30/2020	GNE to 8'	-	-	-
B-5	+126.0	3/30/2020	GNE to 8'	-	-	-
PB-1	+104.0	10/14/2021	2.6	+101.4	1.6	+102.4
PB-2	+102.3	10/14/2021	2.1	+100.2	1.1	+101.2

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TOWN OF WINDERMERE

DRAINAGE DETAILS

SHEET NO.
14

☒ BUTLER

☒ FERNWOOD

EX-1
 STA 110+11.00, (±18.27' LT)
 EXIST. INLET
 FDOT INDEX 430-001
 ELEV. 119.93' (EXIST. GRATE)
 FL. 117.80 (AH)

S-7
 STA 104+40.00, (15.22' RT)
 CONST. DBI TYPE C
 FDOT INDEX 425-052
 ELEV. 108.34' (GRATE)
 FL. 104.70 (LT)
 FL. 104.70 (AH)

S-14
 STA 108+71.00, (54.02' LT)
 CONST. DBI TYPE C
 FDOT INDEX 425-052
 ELEV. 118.50' (GRATE)
 FL. 115.40 (RT)
 FL. 115.40 (AH)

S-16
 STA 11+58.00 (46.37 LT)
 CONST. DBI TYPE C
 FDOT INDEX 425-052
 ELEV. 102.70 (GRATE)
 FL. 101.00 RT

S-1
 STA 100+73.00, (15.96' LT)
 CONST. DBI TYPE C
 FDOT INDEX 425-052
 ELEV. 118.68' (GRATE)
 FL. 115.60 (AH)
 FL. 115.60 (BK)

S-8
 STA 104+70.00, (22.50' RT)
 CONST. MANHOLE TYPE 7
 FDOT INDEX 425-001
 ELEV. 107.20' (TOP)
 FL. 104.40 (RT)
 FL. 104.40 (BK)

S-15
 STA 109+04.00, (46.37' LT)
 CONST. DBI TYPE C
 FDOT INDEX 425-052
 ELEV. 118.11' (GRATE)
 FL. 115.60 (BK)

S-17
 STA 11+51.00, (15.11' RT)
 CONST. DBI TYPE C
 FDOT INDEX 425-052
 ELEV. 102.50' (GRATE)
 FL. 100.75 (RT)
 FL. 100.75 (LT)

S-2
 STA 101+25.00, (9.40' LT)
 CONST. GUTTER INLET TYPE S
 FDOT INDEX 425-040
 ELEV. 115.40' (GRATE)
 FL. 112.40 (AH)
 FL. 112.40 (BK)

S-9
 STA 106+40.00, (15.63' LT)
 CONST. MES 1:2 SLOPE
 FDOT INDEX 430-021
 FL. 112.00

0-1
 STA 104+77.00, (54.20' RT)
 CONST. MES 1:4 SLOPE
 FDOT INDEX 430-021
 FL. 103.00

S-18
 STA 11+52.00, (63.30' RT)
 CONST. PBI TYPE C
 FDOT INDEX 425-052
 FL. 100.50 LT
 FL. 100.50 RT

S-3
 STA 101+97.00, (9.92' LT)
 CONST. GUTTER INLET TYPE S
 FDOT INDEX 425-040
 ELEV. 112.27' (GRATE)
 FL. 109.30 (AH)
 FL. 109.30 (BK)

S-10
 STA 107+07.00, (8.02' LT)
 CONST. GUTTER INLET TYPE S
 FDOT INDEX 425-040
 ELEV. 115.51' (GRATE)
 FL. 112.60 (AH)
 FL. 112.60 (BK)

S-19
 STA 11+44.36, (72.65' RT)
 CONST. MES 1:2 SLOPE
 FDOT INDEX 430-021
 FL. 100.40

S-4
 STA 102+60.00, (12.62' LT)
 CONST. GUTTER INLET TYPE S
 FDOT INDEX 425-040
 ELEV. 110.54' (GRATE)
 FL. 107.60 (AH)
 FL. 107.60 (BK)



S-11
 STA 108+12.00, (9.08' LT)
 CONST. GUTTER INLET TYPE S
 FDOT INDEX 425-052
 ELEV. 117.47' (GRATE)
 FL. 114.50 (AH)
 FL. 114.50 (BK)

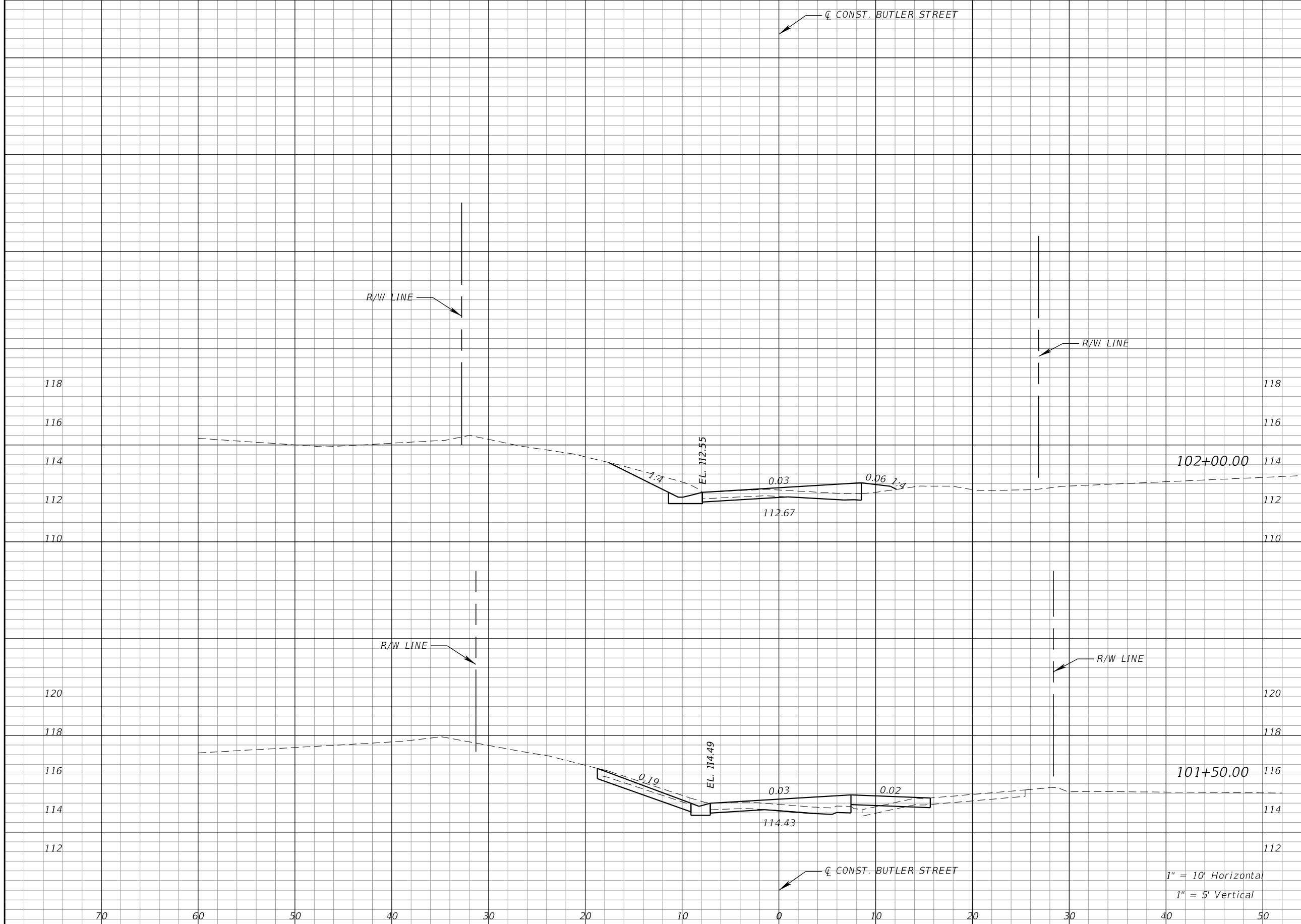
S-5
 STA 103+49.00, (12.53' LT)
 CONST. GUTTER INLET TYPE S
 FDOT INDEX 425-040
 ELEV. 109.34' (GRATE)
 FL. 106.40 (AH)
 FL. 106.40 (BK)

S-12
 STA 108+50.00, (12.01' LT)
 CONST. GUTTER INLET TYPE S
 FDOT INDEX 425-040
 ELEV. 118.05' (GRATE)
 FL. 115.00 (AH)
 FL. 115.00 (BK)

S-6
 STA 104+40.00, (19.78' LT)
 CONST. DBI TYPE C
 FDOT INDEX 430-021
 ELEV. 107.42 (GRATE)
 FL. 104.90 (AH)
 FL. 104.90 (BK)

S-13
 STA 108+71.00, (34.11' LT)
 CONST. MANHOLE TYPE 7
 FDOT INDEX 425-001
 ELEV. 119.20' (TOP)
 FL. 115.30 (LT)
 FL. 115.30 (BK)

REVISIONS				 Certificate Of Authorization No. 696 Hao T. Chau, P.E. P.E. License No. 61640 189 South Orange Avenue, Suite 1000 Orlando, Florida 32801	 TOWN OF WINTERMERE	DRAINAGE STRUCTURES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION				15

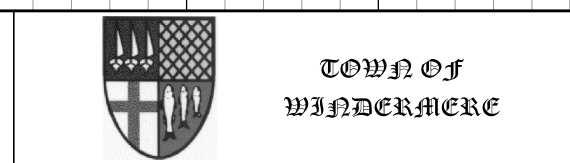


Regular		Exc.		Embankment	
A	V	A	V	A	V
14.12	22.54	4.51	10.88	10.22	19.47

1" = 10' Horizontal
1" = 5' Vertical

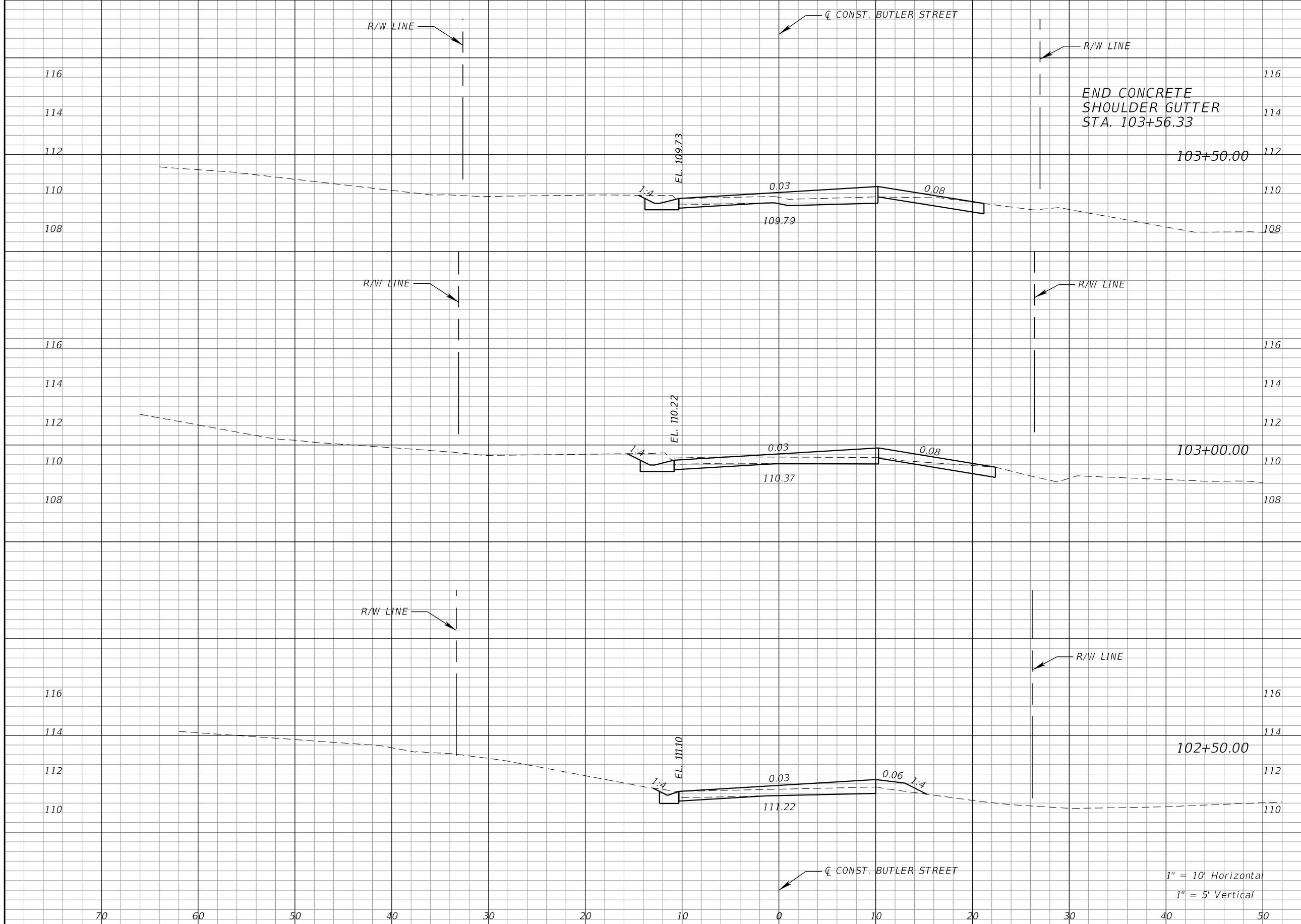
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DATE	DESCRIPTION	DATE	DESCRIPTION

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CROSS SECTIONS

SHEET NO.
17



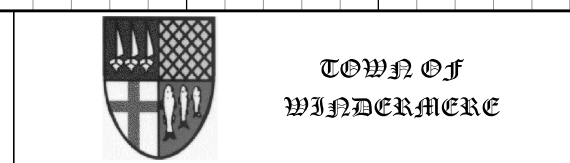
Regular		Exc.		Embankment	
A	V	A	V	A	V
12.87	24.77	7.23	12.18		
13.88	23.56	5.92	10.68		
11.57	23.79	5.61	9.37		

END CONCRETE
SHOULDER GUTTER
STA. 103+56.33

1" = 10' Horizontal
1" = 5' Vertical

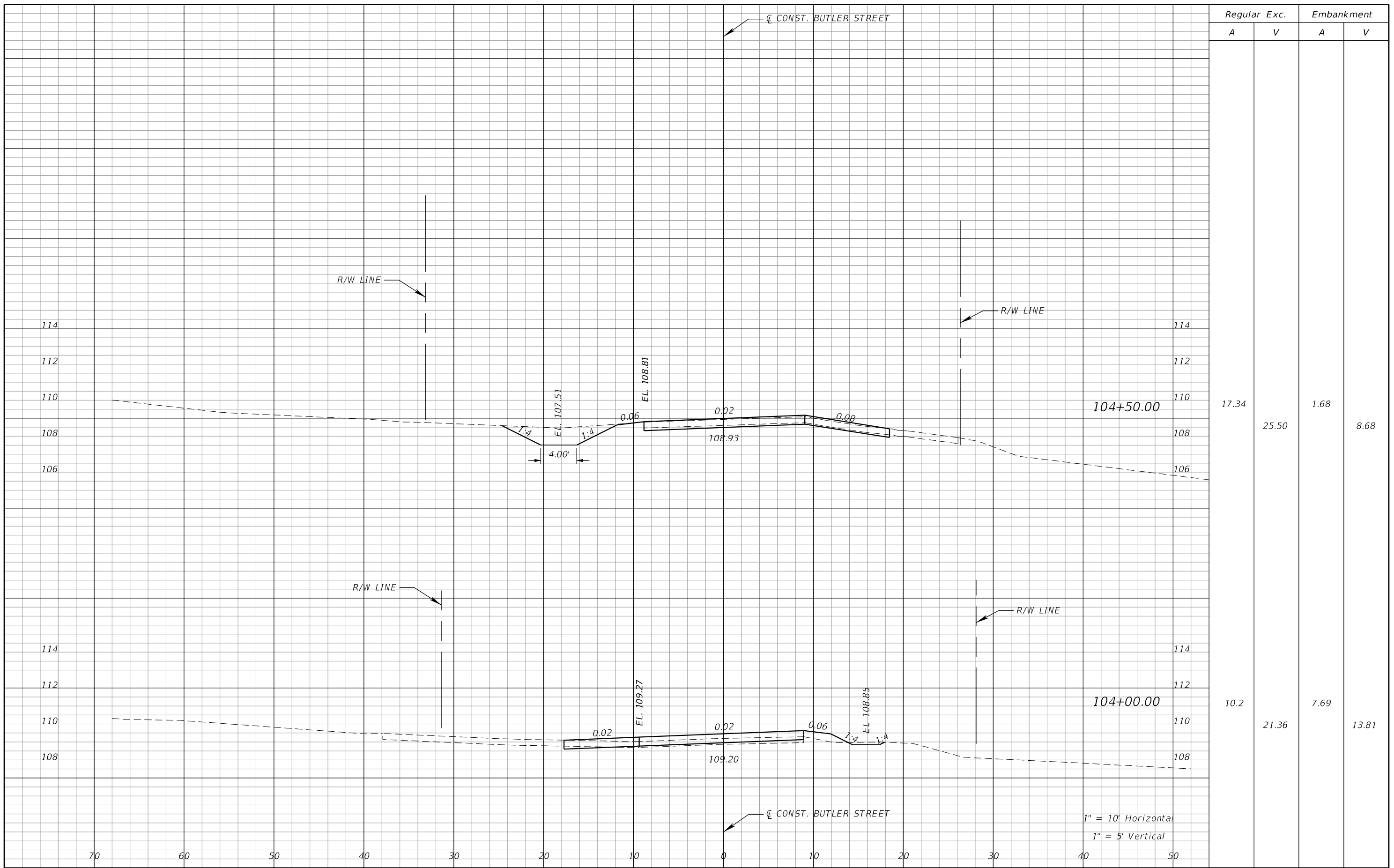
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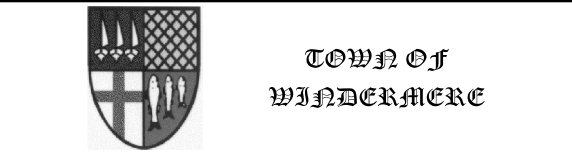
CROSS SECTIONS

SHEET
NO.
18



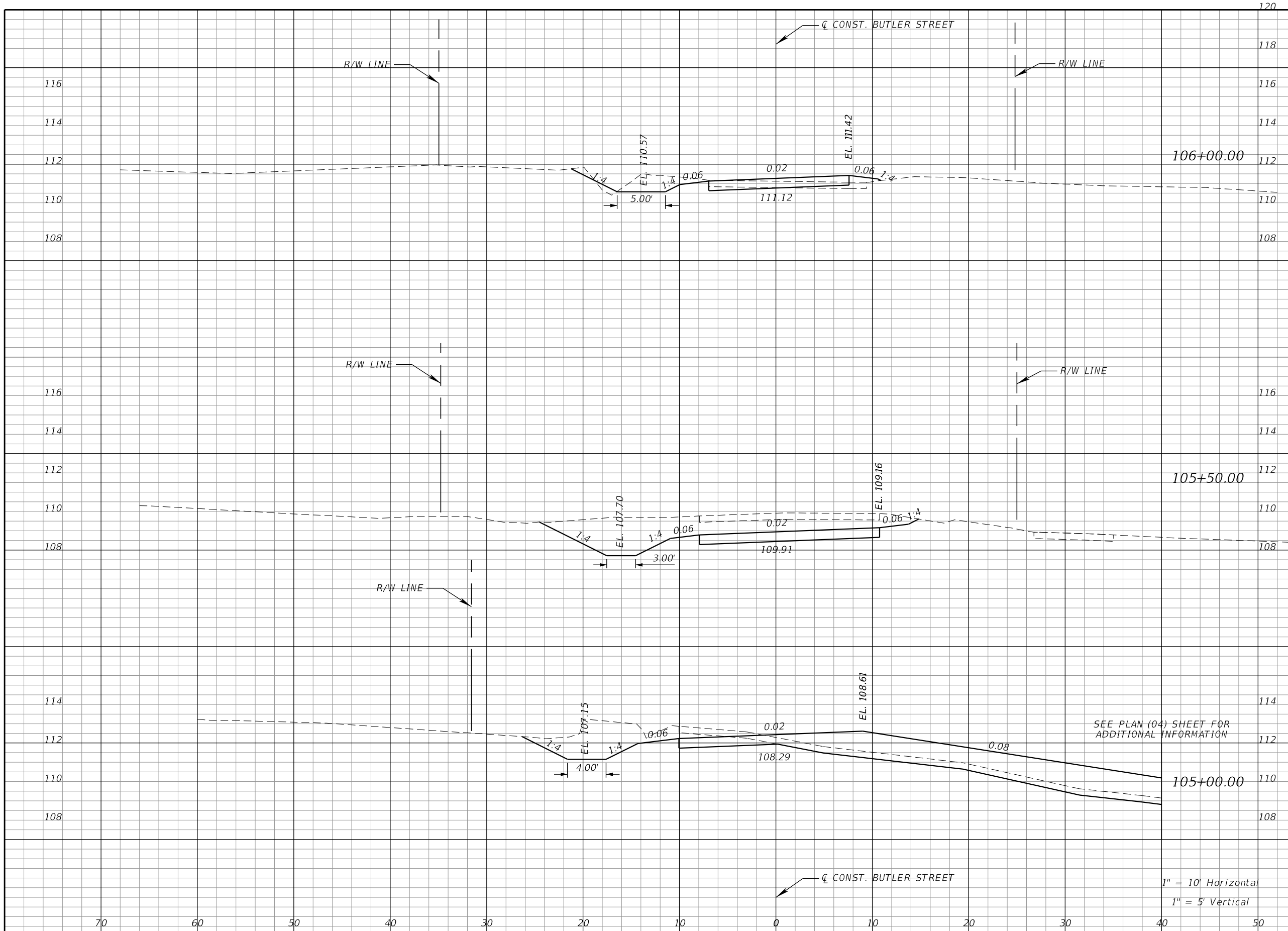
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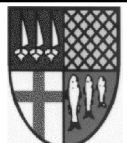
SHEET
NO.
19



Regular		Exc.		Embankment	
A	V	A	V	A	V
13.61	49.71	3.59	3.32		
40.08	89.29	0	46.32		
56.35	68.23	50.03	47.88		

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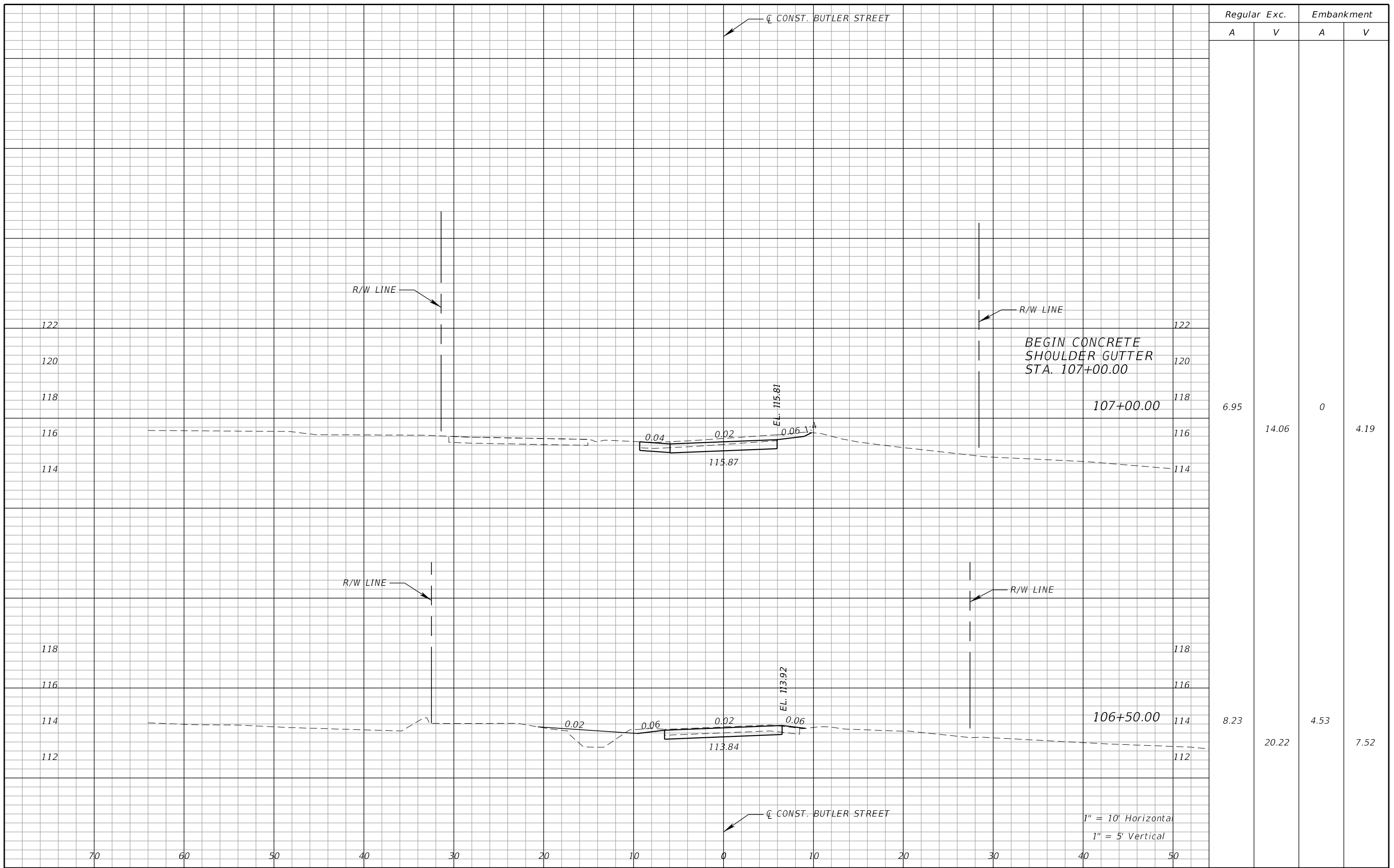
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TOWN OF WINDERMERE

CROSS SECTIONS

SHEET NO.
20



Regular		Exc.		Embankment	
A	V	A	V	A	V
6.95	14.06	0	4.19	8.23	20.22

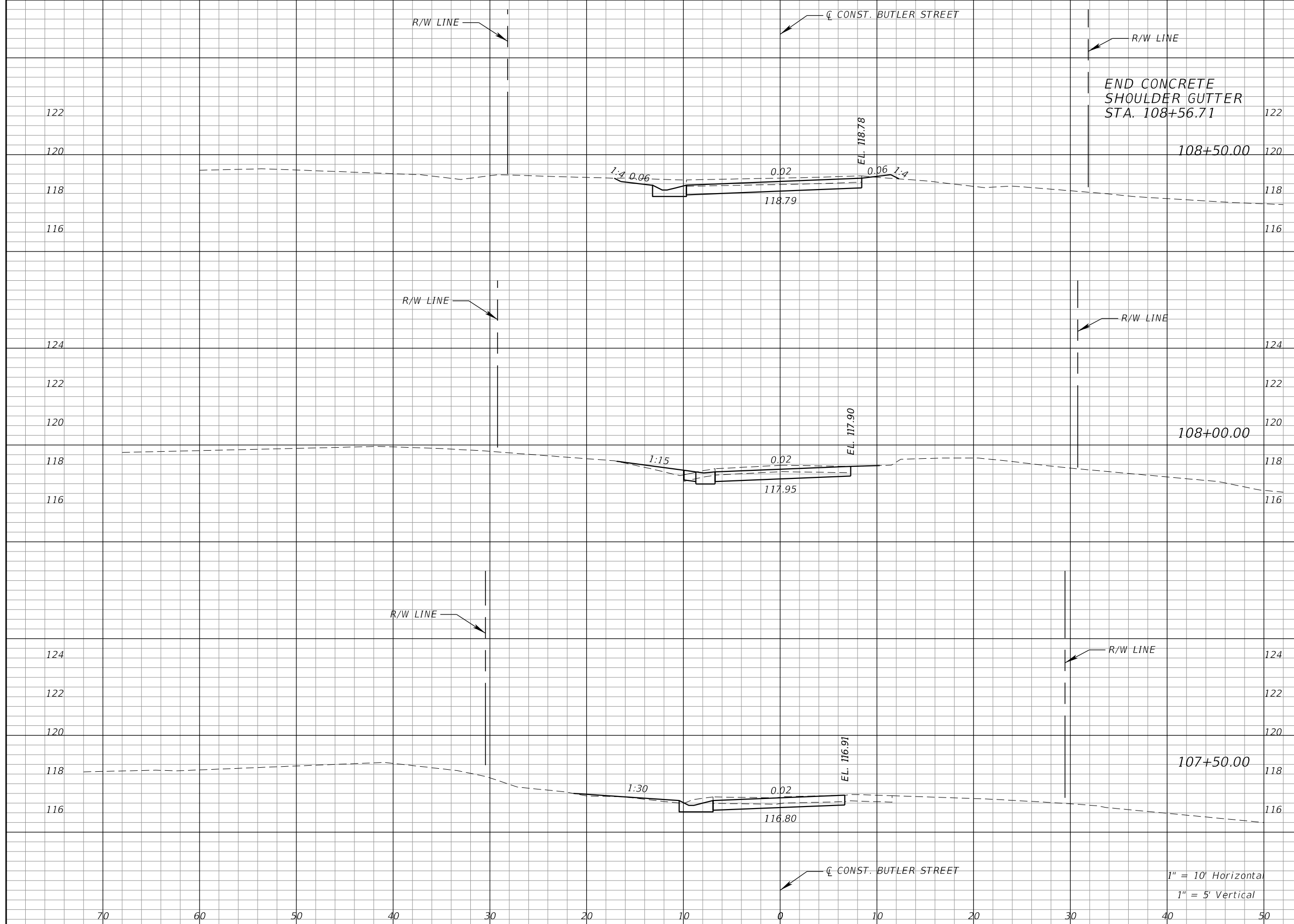
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CROSS SECTIONS

SHEET NO.
21



Regular		Exc.		Embankment	
A	V	A	V	A	V
13.1	19.92	0.25	1.37		
8.41	16.09	1.23	1.71		
8.97	14.74	0.62	0.57		

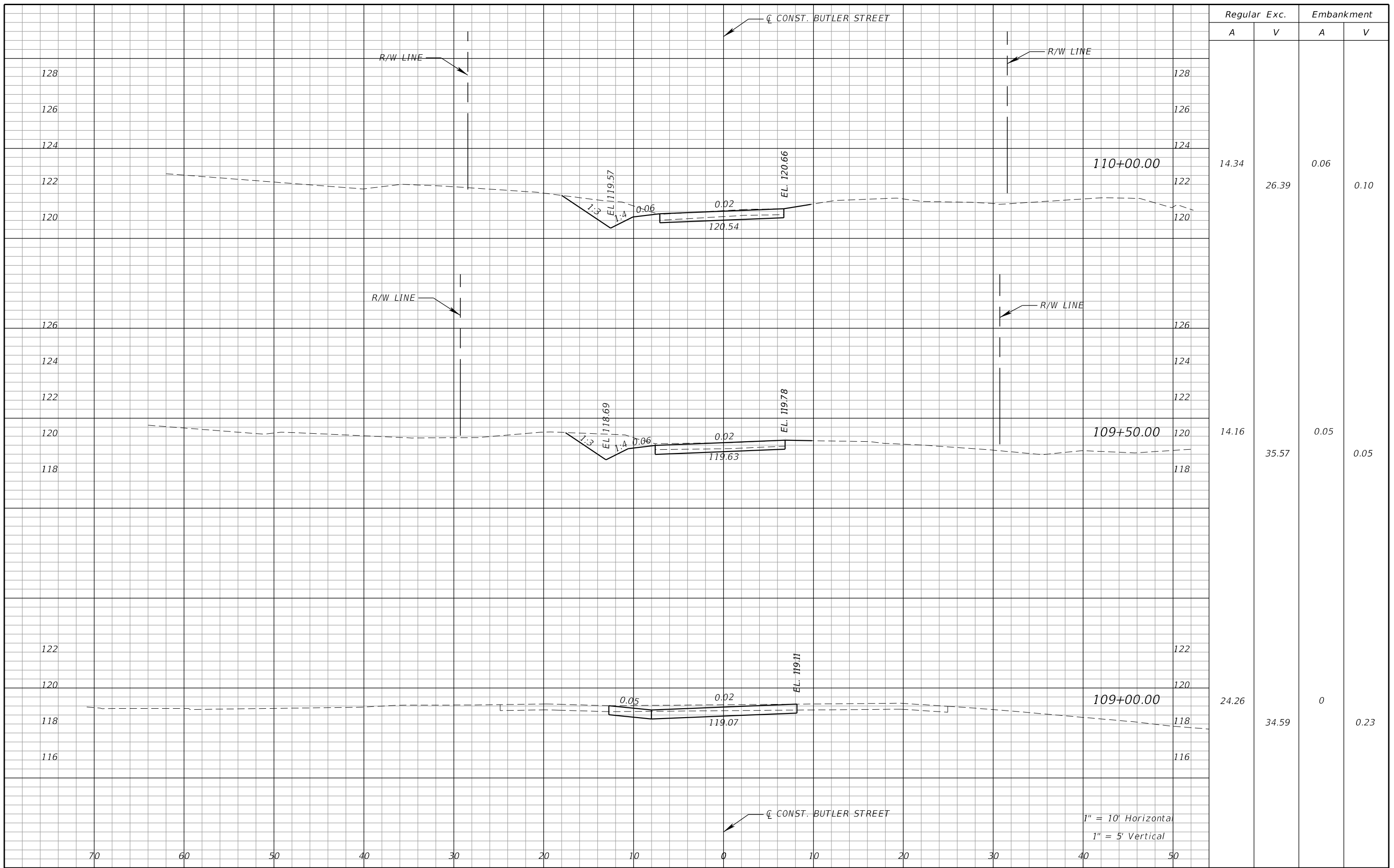
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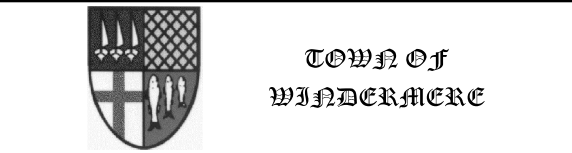
SHEET NO. 22



Regular		Exc.		Embankment	
A	V	A	V	A	V
14.34	26.39	0.06	0.10		
14.16	35.57	0.05	0.05		
24.26	34.59	0	0.23		

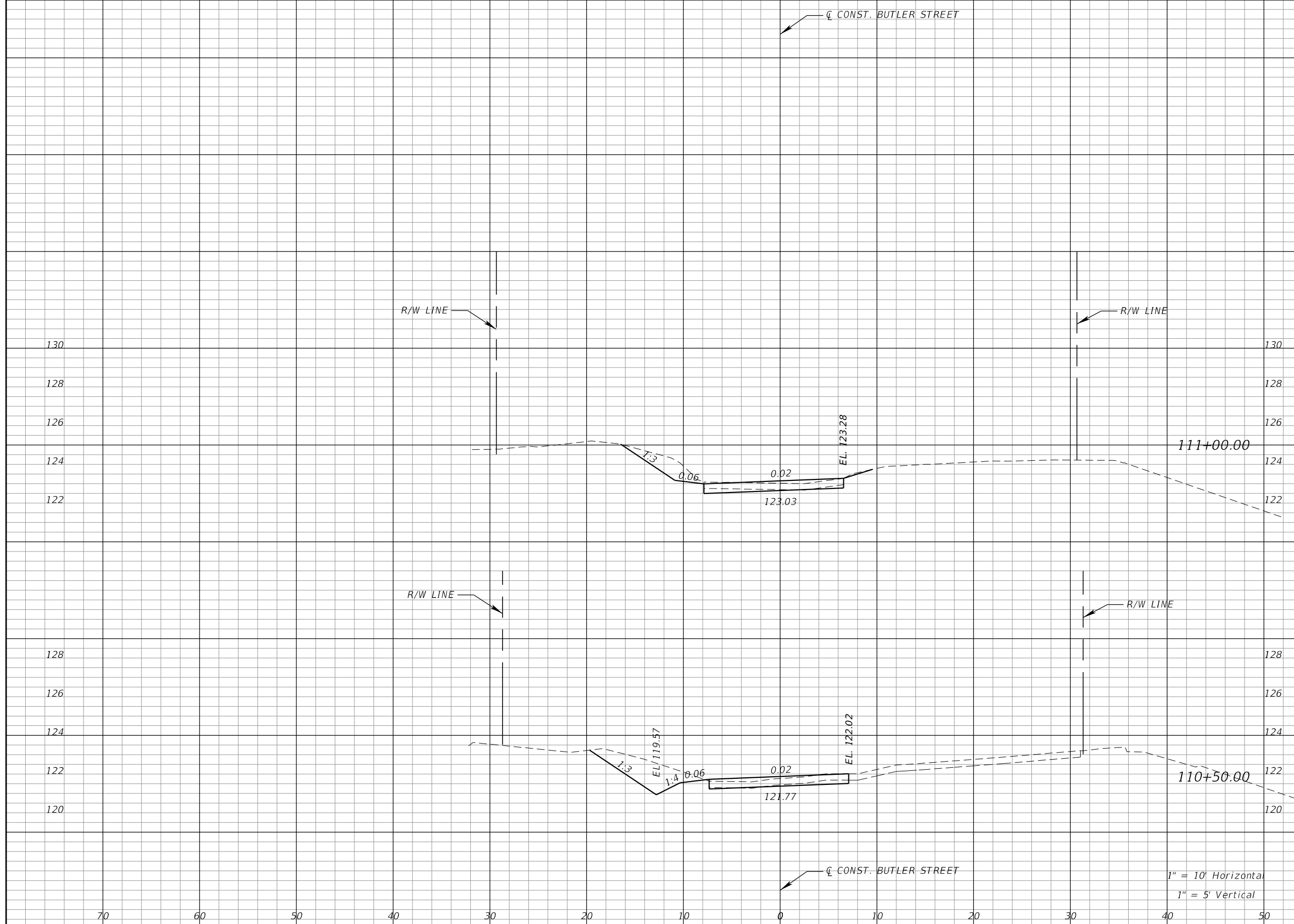
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CROSS SECTIONS

SHEET NO.
23



Regular		Exc.		Embankment	
A	V	A	V	A	V
12.23	27.20	1.06	2.29		
17.15	29.16	1.41	1.36		

1" = 10' Horizontal
1" = 5' Vertical

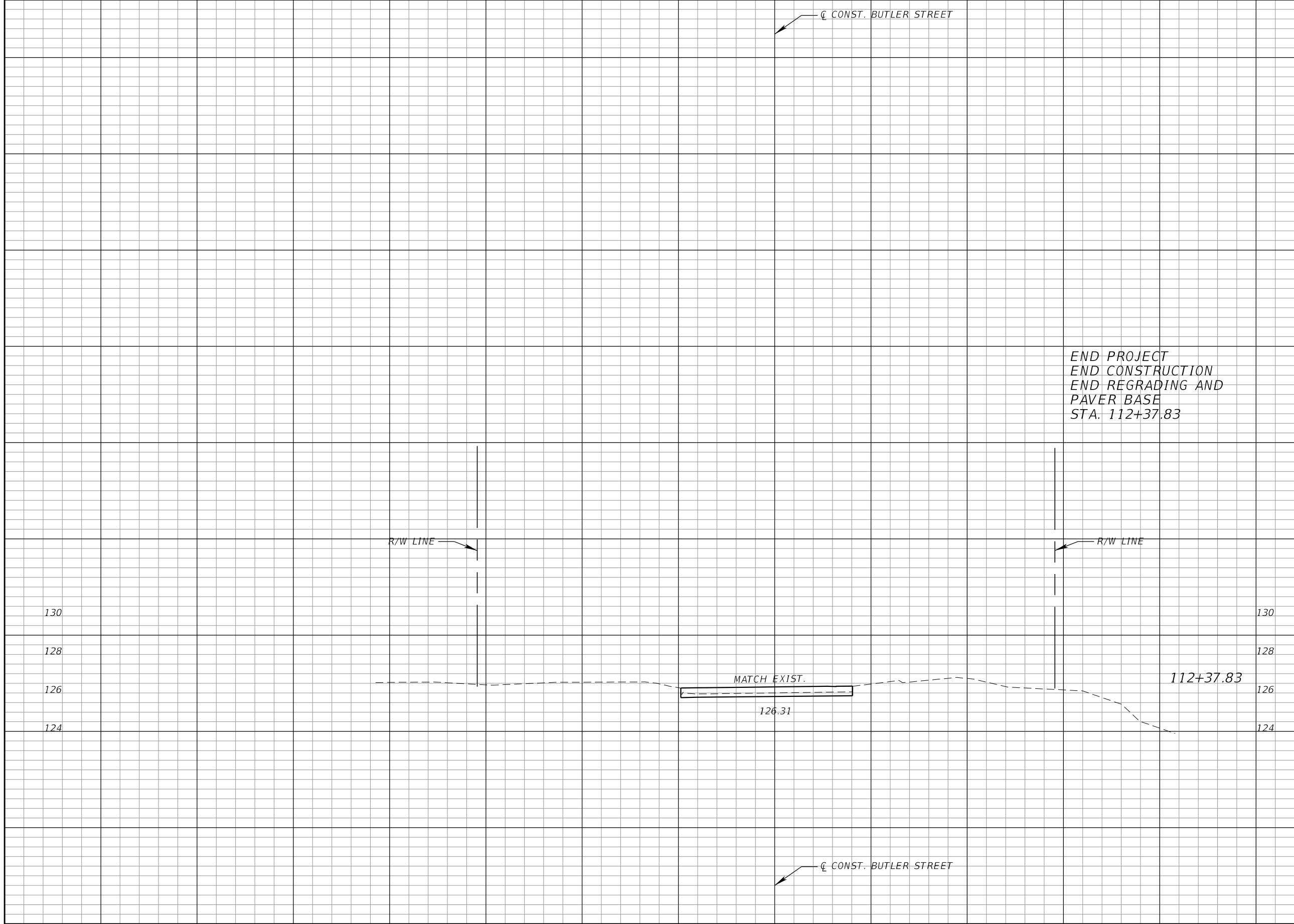
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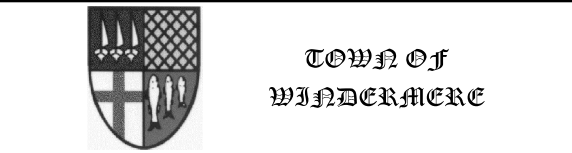
SHEET NO.
24



Regular		Exc.		Embankment	
A	V	A	V	A	V
0		6.86		0	0

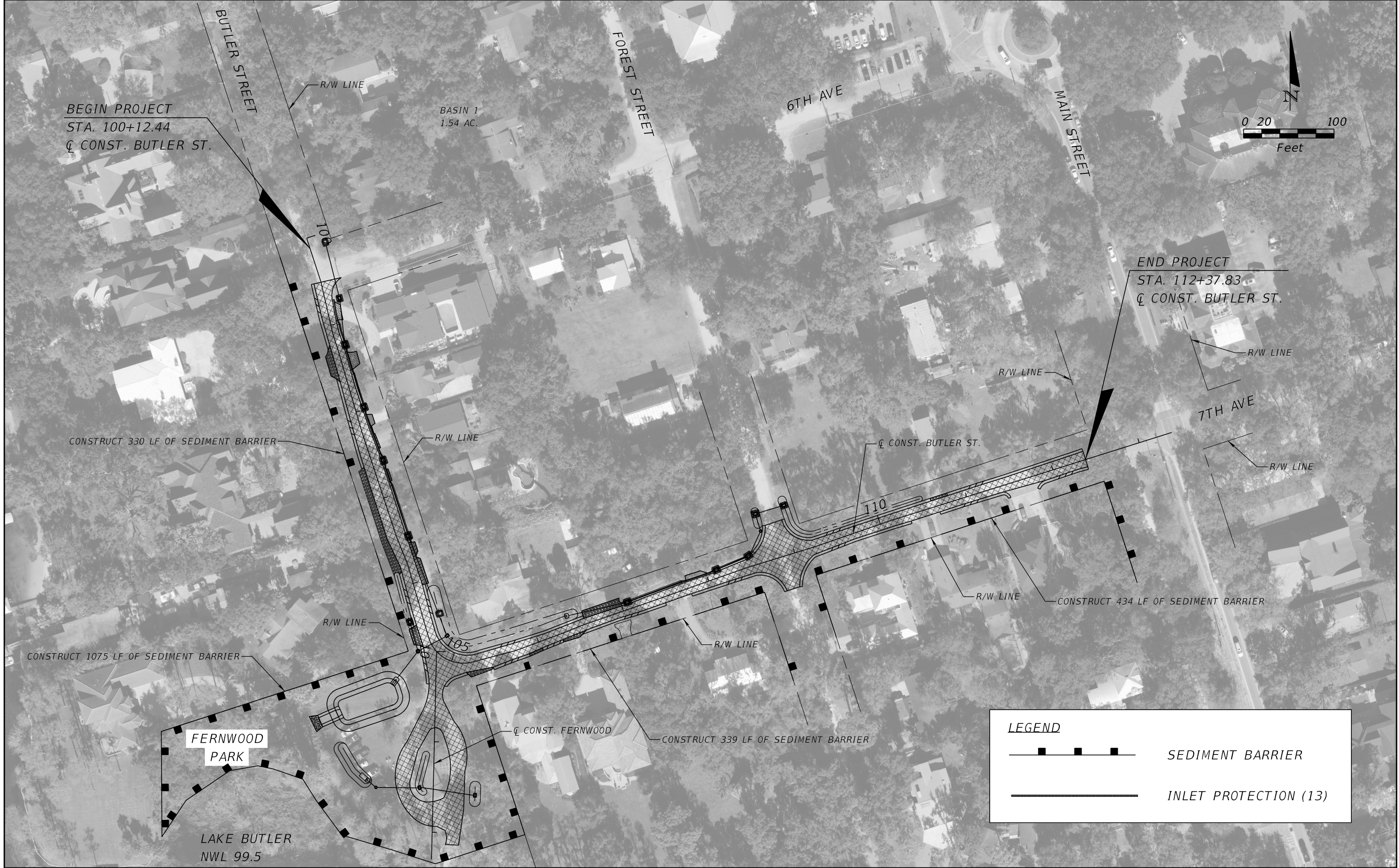
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CROSS SECTIONS

SHEET NO.
26



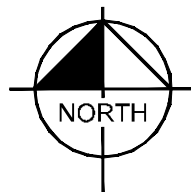
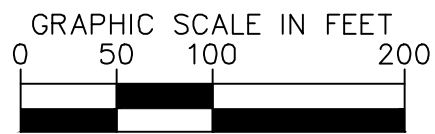
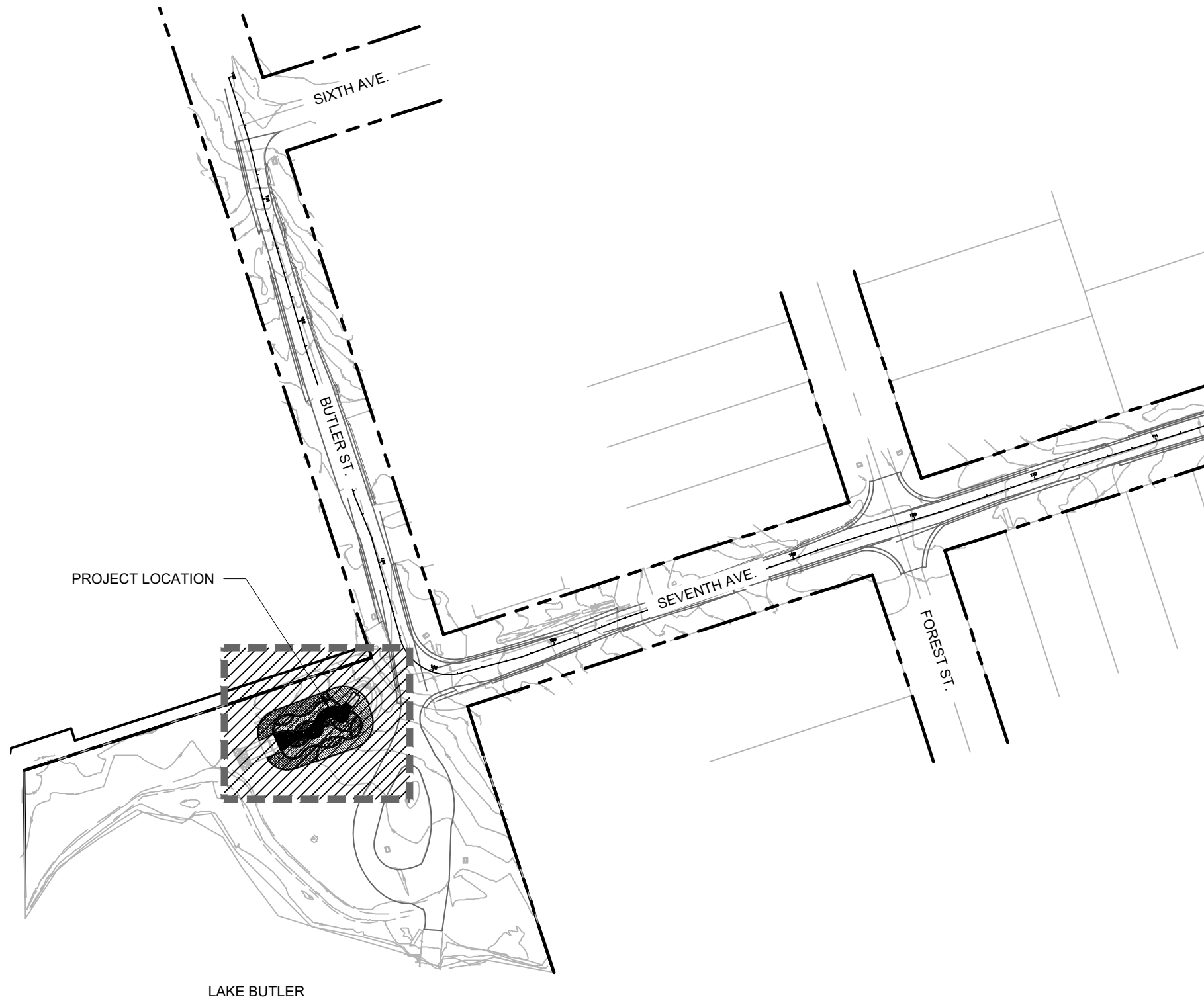
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EROSION CONTROL PLAN

SHEET NO.
27



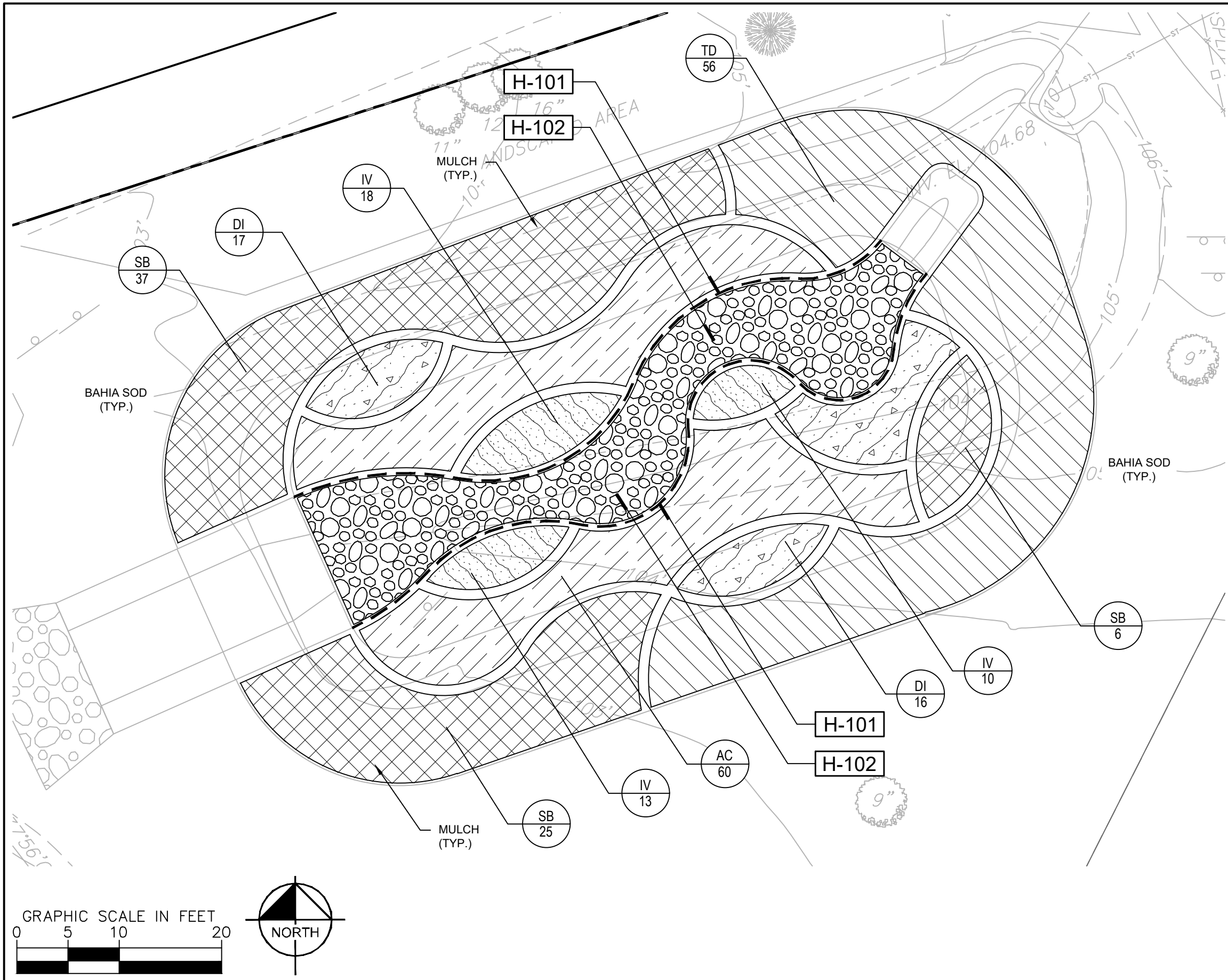
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TOWN OF
 WINDERMERE

LANDSCAPE IMPROVEMENT
 AREA VICINITY MAP

SHEET
 NO.
L1.00



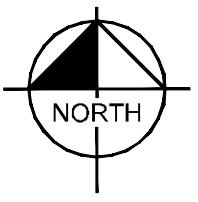
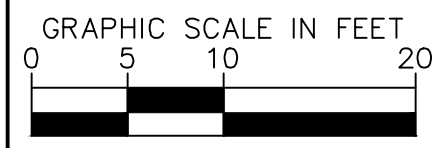
PLANT SCHEDULE

SHRUB AREAS	CODE	COMMON NAME
	AC	MILKWEED
	DI	AFRICAN IRUS
	IV	BLUE FLAG IRIS
	SB	SAND CORDGRASS
	TD	FAKAHATCHEE GRASS

FULL PLANT SCHEDULE ON SHEET L1.02

REFERENCE NOTES SCHEDULE

CODE	HARDSCAPE DESCRIPTION	QTY
H-101	ALUMINUM LANDSCAPE EDGING MANUFACTURER: SURE-LOC EDGING PRODUCT LINE: SURE-LOC SURE EDGE PRODUCT DESCRIPTION: 3/16" X 4" COLOR: MILL FINISH	145 LF
H-102	ACCENT RIVER ROCK MANUFACTURER: PEBLE JUNCTION, INC. PRODUCT LINE: RIVER JACKS PRODUCT NUMBER: 2430-T (1" - 3" ROCK) DEPTH: 4" TYP.	531 SF



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



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TOWN OF WINDERMERE

LANDSCAPE PLAN

SHEET NO.
L1.01

PLANT SCHEDULE

SHRUB AREAS	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACING
	AC	173	ASCLEPIAS CURASSAVICA FULL, FL#1	MILKWEED	1 GAL	24" OC	18" FULL
	DI	60	DIETES IRIDIOIDES FULL, FL#1	AFRICAN IRUS	1 GAL	18" FULL	24" OC
	IV	41	IRIS VIRGINICA FULL, FL#1	BLUE FLAG IRIS	1 GAL	24" OC	18" FULL
	SB	119	SPARTINA BAKERI FULL, FL#1	SAND CORDGRASS	3 GAL	36" OC	24" FULL
	TD	99	TRIPSACUM DACTYLOIDES FULL, FL#1	DWARF FAKAHATCHEE GRASS	3 GAL	36" OC	24" FULL

MISC.	QTY	BOTANICAL/COMMON NAME	SPECIFICATIONS
MULCH	TBD	CYPRESS MULCH 'DESIGNER BROWN'	3" DEPTH MINIMUM, SHREDDED, FREE OF WEEDS/INVASIVE PLANT MATERIAL
SOD	TBD	PASPALUM NOTATUM 'ARGENTINE'/ ARGENTINE BAHIA GRASS	ROLLED TIGHT, 100% WEED/INSECT/DISEASE FREE

LANDSCAPE NOTES:

- | | |
|--|--|
| <ol style="list-style-type: none"> ALL LANDSCAPE MATERIAL TO BE FLORIDA GRADE #1 OR BETTER QUALITY ALL LANDSCAPED AREAS ARE TO RECEIVE A MINIMUM OF 4" OF TOPSOIL. ALL PLANT MATERIAL SHALL BE HEALTHY, VIGOROUS, AND FREE OF PESTS AND DISEASE. ALL MATERIALS ARE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT BEFORE, DURING, AND AFTER INSTALLATION. ALL TREES MUST BE GUYED OR STAKED AS SHOWN IN THE DETAILS. ALL PLANTING AREAS SHALL BE COMPLETELY MULCHED AS SPECIFIED. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES AND SHALL AVOID DAMAGE TO ALL UTILITIES DURING THE COURSE OF THE WORK. LOCATIONS OF EXISTING BURIED UTILITY LINES SHOWN ON THE PLANS ARE BASED UPON BEST AVAILABLE INFORMATION AND ARE TO BE CONSIDERED APPROXIMATE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR 1) TO VERIFY THE LOCATIONS OF UTILITY LINES ADJACENT TO THE WORK AREA 2) TO PROTECT ALL UTILITY LINES DURING THE CONSTRUCTION PERIOD 3) TO REPAIR ANY AND ALL DAMAGE TO UTILITIES, STRUCTURES, SITE APPURTENANCES, ETC. WHICH OCCURS AS A RESULT OF THE CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL QUANTITIES SHOWN ON THESE PLANS BEFORE PRICING THE WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR DELIVERY SCHEDULE AND PROTECTION BETWEEN DELIVERY AND PLANTING TO MAINTAIN HEALTHY PLANT CONDITIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FULLY MAINTAINING (INCLUDING BUT NOT LIMITED TO: WATERING, SPRAYING, MULCHING, FERTILIZING, ETC.) ALL OF THE PLANT MATERIALS AND LAWN FOR THE WARRANTY PERIOD. | <ol style="list-style-type: none"> ANY PLANT MATERIAL WHICH IS DISEASED, DISTRESSED, DEAD, OR REJECTED (PRIOR TO SUBSTANTIAL COMPLETION) SHALL BE PROMPTLY REMOVED FROM THE SITE AND REPLACED WITH MATERIAL OF THE SAME SPECIES, QUANTITY, AND SIZE AND MEETING ALL PLANT LIST SPECIFICATIONS. THE CONTRACTOR SHALL COMPLETELY GUARANTEE ALL PLANT MATERIAL FOR WARRANTY PERIOD. THE CONTRACTOR SHALL PROMPTLY MAKE ALL REPLACEMENTS DURING THE NORMAL PLANTING SEASON. STANDARDS SET FORTH IN "AMERICAN STANDARD FOR NURSERY STOCK" REPRESENT GUIDELINE SPECIFICATIONS ONLY AND SHALL CONSTITUTE MINIMUM QUALITY REQUIREMENTS FOR PLANT MATERIAL. ALL LANDSCAPING SHALL BE INSTALLED ACCORDING TO SOUND NURSERY PRACTICES, AND SHALL BE FLORIDA NO. 1 OR BETTER AS GIVEN IN "GRADES AND STANDARDS FOR NURSERY PLANTS, PARTS I AND II," STATE OF FLORIDA, DEPARTMENT OF AGRICULTURE. ALL INVASIVE / EXOTIC SPECIES AND PROHIBITED TREE SPECIES SHALL BE REMOVED FROM SITE, INCLUDING ROOT BALLS TO THE EXTENT POSSIBLE WITH NO DAMAGE TO ADJACENT EXISTING TREES. ALL LANDSCAPE AREAS WILL BE PROVIDED WITH PERMANENT AUTOMATIC IRRIGATION SYSTEM. TREE SUPPORT MATERIALS ARE TO BE REMOVED FROM EACH TREE ONCE IT IS "ESTABLISHED" (AS APPROVED BY THE LANDSCAPE ARCHITECT). ALL PLANT SPECIFICATIONS IN THE PLANT SCHEDULE SHALL BE CONSIDERED THE MINIMUM ALLOWABLE SPECIFICATIONS. CONTRACTOR SHALL PROCURE PLANT MATERIALS AND UPSIZE AS NECESSARY TO MEET THE MOST STRINGENT SPECIFICATION. ALL LANDSCAPE MATERIAL TO BE TEMPORARILY IRRIGATED VIA WATER TRUCK UNTIL 100% PLANT MATERIAL ESTABLISHMENT. |
|--|--|

REFERENCE NOTES SCHEDULE

CODE	HARDSCAPE DESCRIPTION	QTY	DETAIL
H-101	ALUMINUM LANDSCAPE EDGING MANUFACTURER: SURE-LOC EDGING PRODUCT LINE: SURE-LOC SURE EDGE PRODUCT DESCRIPTION: 3/16" X 4" COLOR: MILL FINISH	145 LF	
H-102	ACCENT RIVER ROCK MANUFACTURER: PEBLE JUNCTION, INC. PRODUCT LINE: RIVER JACKS PRODUCT NUMBER: 2430-T (1" - 3" ROCK) DEPTH: 4" TYP.	531 SF	

REVISIONS

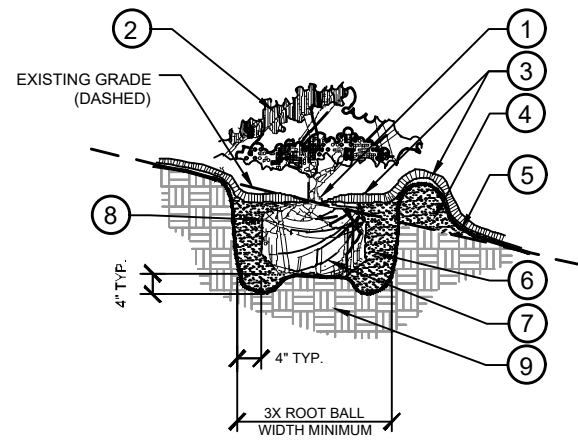
DATE	DESCRIPTION	DATE	DESCRIPTION

Kimley»Horn
 Certificate Of Authorization No. 696
 189 South Orange Avenue, Suite 1000
 Orlando, Florida 32801

TOWN OF
WINDERMERE

LANDSCAPE SCHEDULE

SHEET NO.
L1.02

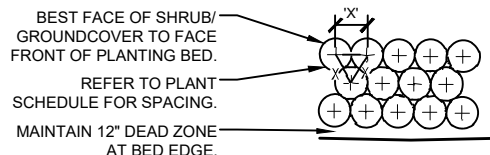


NOTES:

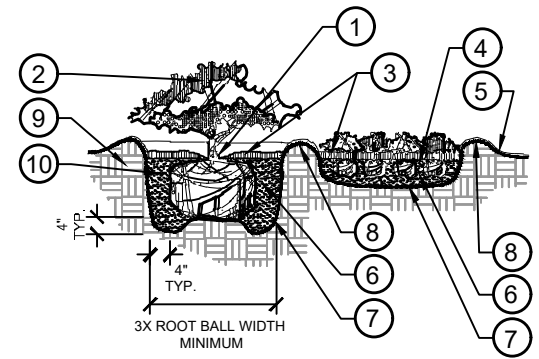
- A. CONTRACTOR SHALL ASSURE PERCOLATION OF ALL PLANTING PITS PRIOR TO INSTALLATION.
- B. WHEN SHRUBS ARE PRUNED IN MASSES, PRUNE ALL SHRUBS TO ACHIEVE UNIFORM MASS / HEIGHT.
- C. ALL SHRUBS AND GROUNDCOVERS SHALL BE PLUMB VERTICALLY, UNLESS OTHERWISE DIRECTED BY OWNERS REPRESENTATIVE.

1 SHRUB/GROUNDCOVER PLANTING ON A SLOPE
L1.50 SECTION NTS

- 1 TOP OF SHRUB ROOTBALLS TO BE PLANTED 1" - 2" HIGH WITH SOIL MOUNDING UP TO THE TOP OF ROOTBALL.
- 2 PRUNE SHRUBS AS DIRECTED BY OWNER'S REPRESENTATIVE.
- 3 3" MINIMUM OF MULCH AS SPECIFIED. WHERE SHRUBS ARE PLACED IN MASSES, MULCH SHALL BE SPREAD IN A CONTINUOUS BED.
- 4 SOIL BERM TO HOLD WATER. TOP OF PLANTING PIT 'BERM' TO BE LEVEL ACROSS PIT. SLOPE DOWNHILL PORTION OF BERM AS REQUIRED TO MEET EXISTING GRADE. MULCH OVER EXPOSED TOPSOIL.
- 5 FINISHED GRADE (SEE GRADING PLAN)
- 6 PREPARED PLANTING SOIL AS SPECIFIED. (SEE LANDSCAPE NOTES).
- 7 SCARIFY SIDES AND BOTTOM OF PLANTING PIT.
- 8 FERTILIZER TABLETS (MAX 3" DEEP).
- 9 UNDISTURBED NATIVE SOIL



PLAN



SECTION

NOTES:

- A. CONTRACTOR SHALL ASSURE PERCOLATION OF ALL PLANTING PITS PRIOR TO INSTALLATION.
- B. WHEN SHRUBS ARE PRUNED IN MASSES, PRUNE ALL SHRUBS TO ACHIEVE UNIFORM MASS / HEIGHT.
- C. ALL SHRUBS AND GROUNDCOVERS SHALL BE PLUMB VERTICALLY, UNLESS OTHERWISE DIRECTED BY OWNERS REPRESENTATIVE.

2 SHRUB/GROUNDCOVER PLANTING
L1.50 SECTION / PLAN NTS

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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Orlando, Florida 32801

TOWN OF WINDERMERE

LANDSCAPE DETAILS

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L1.50