CONTRACT PLANS

FPN NO. 435547-3-54-01

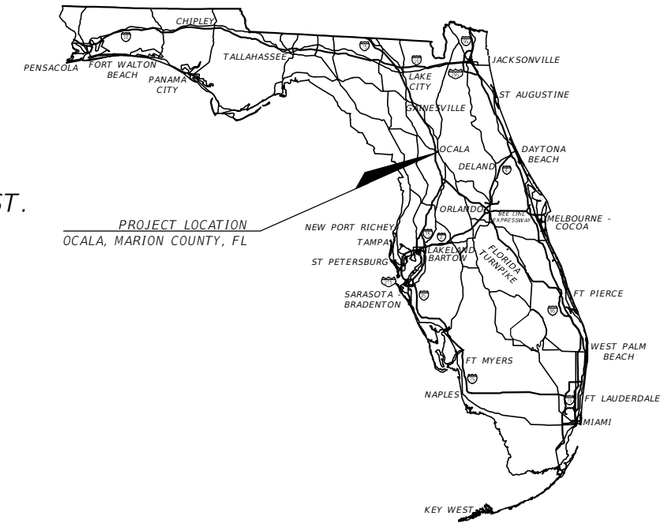
ITB NO. CIP/230168

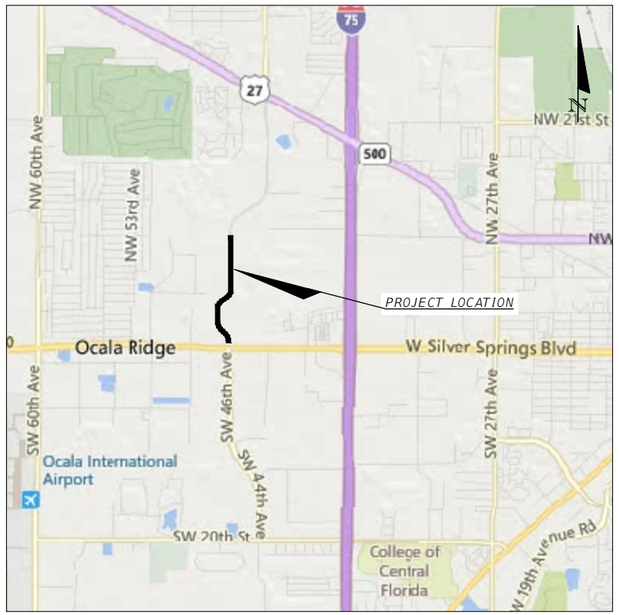
NW 44TH AVENUE EXTENSION PHASE 2

NW 46TH AVENUE BETWEEN W. SILVER SPRINGS BLVD. AND NW 11TH ST.

100% PLANS

DATE: 9/25/2023





CITY OF OCALA
GOD BE WITH US
MARION COUNTY, FLORIDA

CITY ENGINEER'S OFFICE

1805 NE 30th AVE, BLDG #600
OCALA, FLORIDA 34470

LOCAL UTILITIES

UTILITY COMPANY	PHONE NUMBER	EMERGENCY
OCALA PUBLIC WORKS (TRAFFIC)	(352) 351-6733	
OCALA ELECTRIC UTILITY	(352) 351-6620	(352) 351-6666 (LEAVE MESSAGE)
OCALA WATER RESOURCES	(352) 351-6772	(352) 351-6775
COX COMMUNICATIONS	(888) 269-9693	
CENTURYLINK	(352) 368-8817	
TECO GAS	(352) 622-0112	(352) 622-0111

GOVERNING DOCUMENTS:

U.S. Department of Transportation, Manual on Uniform Traffic Control Devices (2009 Version With Revisions)

Florida Department of Transportation, Standard Plans for Road and Bridge Construction (2022-2023 Version)

Florida Department of Transportation, Standard Specifications for Road and Bridge Construction (FY 2023-24 Version)

Florida Department of Transportation, Manual of Uniform Minimum Standards for Design, Construction, & Maintenance of Streets & Highways "Florida Green Book" (2018)

City of Ocala, Standard Specifications For Construction of Streets, Stormwater, Traffic, Water & Sewer Infrastructure (February 2023)

DESIGN SPEED:

35 MPH = STA 200+00 TO STA 220+10 (POSTED 35 MPH)
50 MPH = STA 221+10 TO STA 240+67.45 (POSTED 40 MPH)

SCOPE OF WORK:

CONSTRUCTION OF 4,000 FEET MORE-OR-LESS SECTION OF 4-LANE DIVIDED ROADWAY FROM W SILVER SPRINGS BLVD. (AKA STATE ROAD 40) TO NW 11th STREET WITH DRAINAGE, FACILITIES AND POTABLE WATER AND SANITARY GRAVITY LINES.

811 Know what's below. Call 811 before you dig.

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REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION
11/30/22	Revised posted speed note (STA 200+00 to 220+10)	4/6/23	Revised project name & clean up sheets
1/24/23	Revised date & sheets #: 8, 42, 44, 45, 53, & 56	8/8/23	Revised date on cover sheet & revised signature sheet
1/25/23	Removed sheets #: 79 & 80		
3/8/23	Revised sheets #: 1, 3 & 78		

NOEL JOHN COOPER, P.E.
P.E. LICENSE NUMBER 69534
STATE OF FLORIDA, DATE: _____
VALID ONLY WITH EMBOSSED SEAL.

PREPARED BY

OCALA
CITY ENGINEER'S OFFICE

NW 44th AVENUE EXTENSION PHASE 2

KEY SHEET

SHEET NO. 1

Gary Anson 8/8/2023 10:26:14 AM T:_sd-ENG-Engineering-Department-Common\Interdisicplinary Projects\2020\20106 - NW 44th Ave (SR40-4000

NOEL JOHN COOPER
No.69534
STATE OF FLORIDA
PROFESSIONAL ENGINEER

This item has been digitally signed and sealed by Noel Cooper
Digitally signed by Noel Cooper
Date: 2023.09.26 08:39:11 -04'00'
on the date adjacent to the seal.

Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

CITY OF OCALA
CITY ENGINEER'S OFFICE
1805 NE 30TH AVE., BLDG. 300
OCALA, FL 34470

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

PLAN INDEX

KEY SHEET
SIGNATURE SHEET
SUMMARY OF PAY ITEMS
GENERAL NOTES
LEGEND AND ABBREVIATIONS
PROJECT OVERVIEW
SURVEY CONTROL POINTS
TYPICAL SECTIONS
ROADWAY PLAN
ROADWAY PROFILES
DRAINAGE RETENTION PLAN
STORM WATER POLLUTION PREVENTION PLAN
DRAINAGE CROSS-SECTIONS
SCHEDULE OF DRAINAGE STRUCTURES
PIPE SCHEDULE
DRAINAGE DETAILS
ROADWAY CROSS-SECTIONS
SIGNAGE AND STRIPING PLAN

HECTOR A COLON
No.84007
STATE OF FLORIDA
PROFESSIONAL ENGINEER

This item has been digitally signed and sealed by Hector A Colon
Digitally signed by Hector A Colon
Date: 2023.09.26 10:03:10 -04'00'
on the date adjacent to the seal.

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CITY OF OCALA
CITY ENGINEER'S OFFICE
1805 NE 30TH AVE., BLDG. 300
OCALA, FL 34470

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

PLAN INDEX

UTILITY PLANS & PROFILE
UTILITY NOTES

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION
4/6/23	Revised plan index		
5/9/23	Revised Engineer Credential		
8/8/23	Revised Engineer Signature		

NOEL JOHN COOPER, P.E.
P.E. LICENSE NUMBER 69534
STATE OF FLORIDA, DATE: _____
VALID ONLY WITH EMBOSSED SEAL.

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OCALA
CITY ENGINEER'S OFFICE

NW 44th AVENUE EXTENSION PHASE 2

SIGNATURE SHEET

SHEET NO.
2

ITEM No.	ITEM DESCRIPTION	UNIT	QTY.
G-01	Mobilization	LS	1
G-02	Maintenance And Guarantee Bond	LS	1
G-03	Project Sign	EA	2
G-05	Maintenance of Traffic	LS	1
G-06-1	Silt Fence	LF	8560
G-06-2	Inlet Protection	EA	4
G-09	Clearing and Grubbing - Light	SY	16,903.20
G-10	Clearing and Grubbing - Heavy	SY	42,056.43
G-11	General Excavation	CY	23,614.00
G-12	Imported Backfill Material	CY	2,121.04
G-15	Finish Grading	SY	31,743.00
G-17	Remove and Replace Unsuitable Material	CY	7,840.00
G-18	Stabilized subgrade	SY	31,013.04
G-19-09	Limerock 10" Base	SY	27,413.22
G-21	Removal of Concrete Sidewalks and Driveways	SY	130.38
G-22	Removal of Concrete Curb & Gutter	LF	286
G-27-05	Mill Existing Asphalt Pavement at 4" Depth	SY	180.72
G-28	Compacted Roadway Subbase	SY	30,834.22
G-32-09	Asphalt Pavement FC 9.5 w/Poly	TN	1,508
G-32-12	SP 12.5 Asphalt Superpave	TN	4,523
G-33	Roadway Guardrail	LF	216
G-34-1	Object Marker, Type 1	EA	11
G-46-9	18" RCP STORMWATER PIPE, 0'-6'	LF	1,400
G-46-14	24" RCP STORMWATER PIPE, 6'-12'	LF	1,500
G-46-15	24" RCP STORMWATER PIPE, 12'-18'	LF	1,010
G-46-18	30" RCP STORMWATER PIPE, 6'-12'	LF	880
G-49-5	30" CONCRETE MITERED END	EA	3
G-52-0	Construction Survey	HR	80
G-53-1	As-Built Survey, Roadway	HR	40
G-53-2	As-Built Survey, Utiltiies	HR	25
G-54-2	ALUMINUM PEDESTRIAN BICYCLE RAIL	LF	161

ITEM No.	ITEM DESCRIPTION	UNIT	QTY.
G-56-07	Concrete Curb and Gutter, Type E	LF	5,930
G-56-10	Concrete Curb and Gutter, Type F	LF	7,982
G-58-04	Concrete Sidewalk, 4" Thick, 3,000 PSI	SY	4,298.40
G-58-06	Concrete Sidewalk and Driveways, 6" Thick, 3,000 PSI, Fiber Reinforced	SY	149.35
FDOT-400-2-11	Con. Class II, Retaining Wall (SPI - 400-011)	CY	102.70
G-61-C	Concrete Curb Ramp (CR - C) with Detectable Warning Surface	EA	2
G-61-F	Concrete Curb Ramp (CR - F) with Detectable Warning Surface	EA	4
G-80	Sod, Bahia	SY	31,743.00
G-89-11	Single Post Sign, F & I, Less than 12 ft^2	AS	31
G-89-12	Single Post Sign, F & I, More than 12 ft^2	AS	3
G-90-1	Single Post Sign, Relocate	AS	1
G-90-2	Single Post Sign, Remove	AS	4
G-91	Raised Retro-Reflective Pavement Marker w/ Adhesive	EA	621
G-93-121	Temporary Traffic Stripes and Markings, Standard, White, Solid, 6" Stripe	LF	8067
G-93-122	Temporary Traffic Stripes and Markings, Standard, White, Solid, 8" Stripe	LF	526
G-93-123	Temporary Traffic Stripes and Markings, Standard, White, Solid, 12" Stripe	LF	167
G-93-124	Temporary Traffic Stripes and Markings, Standard, White, Solid, 18" Stripe	LF	149
G-93-125	Temporary Traffic Stripes and Markings, Standard, White, Solid, 24" Stripe	LF	158
G-93-131	Temporary Solid 6" Skip Stripe 10' x 30' White (Gross)	LF	7,749
G-93-141	Temporary Solid 6" Skip Stripe 2' x 4' White (Gross)	LF	450
G-93-221	Temporary Traffic Stripes and Markings, Standard, Yellow, Solid, 6" Stripe	LF	7372
G-93-224	Temporary Traffic Stripes and Markings, Standard, Yellow, Solid, 18" Stripe	LF	344

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION
11/30/22	Revise Summary Of Pay Items Quantity		
1/19/23	Revise Pay Items Quantity (G15 & G80)		
1/25/23	Revised Summary Of Pay Items Quantity (Striping)		

NOEL JOHN COOPER, P.E.
P.E. LICENSE NUMBER 69534
STATE OF FLORIDA, DATE: _____
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PREPARED BY

OCALA
City Engineer's Office

NW 44th AVENUE EXTENSION PHASE 2

SUMMARY OF PAY ITEMS

SHEET NO. 3

Gary Anson 4/6/2023 6:12:18 PM T:_sd-ENG-Engineering-Department-Common\Interdisicplinary Projects\2020\20106 - NW 44th Ave (SR40-4000 ft

ITEM No.	ITEM DESCRIPTION	UNIT	QTY.
G-93-231	Temporary Solid 6" Skip Stripe 10' x 30' Yellow (Gross)	LF	590
G-94-1-121	Thermoplastic Traffic Stripes and Markings, Standard, White, Solid, 6" Stripe	LF	8,067
G-94-1-122	Thermoplastic Traffic Stripes and Markings, Standard, White, Solid, 8" Stripe	LF	526
G-94-1-123	Thermoplastic Traffic Stripes and Markings, Standard, White, Solid, 12" Stripe	LF	167
G-94-1-124	Thermoplastic Traffic Stripes and Markings, Standard, White, Solid, 18" Stripe	LF	149
G-94-1-125	Thermoplastic Traffic Stripes and Markings, Standard, White, Solid, 24" Stripe	LF	158
G-94-1-131	ThermoPlastic Solid 6" Skip Stripe 10' x 30' White (Gross)	LF	7,749
G-94-1-141	ThermoPlastic Solid 6" Skip Stripe 2' x 4' White (Gross)	LF	450
G-94-1-221	Thermoplastic Traffic Stripes and Markings, Standard, Yellow, Solid, 6" Stripe	LF	8,372
G-94-1-224	Thermoplastic Traffic Stripes and Markings, Standard, Yellow, Solid, 18" Stripe	LF	344
G-94-1-231	ThermoPlastic Solid 6" Skip Stripe 10' x 30' Yellow (Gross)	LF	590
G-95-16	Thermoplastic Pavement Message	EA	20
G-95-17	Thermoplastic Pavement Arrow	EA	24
G-96-16	Temporary Pavement Message	EA	20
G-96-17	Temporary Pavement Arrow	EA	24
G-100-46	6' Type IV Concrete Traffic Separator	LF	816
G-105	Remove Stripe/Pavement/Message (Grind)	SF	9,650
G-106-15-1	TYPE 5 STORMWATER INLET, 0'-6'	EA	17
G-106-15-2	TYPE 5 STORMWATER INLET, 6'-12'	EA	10
G-106-15-3	TYPE 5 STORMWATER INLET, 12'-18'	EA	3
G-106-16-1	TYPE 6 STORMWATER INLET, 0'-6'	EA	5
G-106-16-2	TYPE 6 STORMWATER INLET, 6'-12'	EA	1

ITEM No.	ITEM DESCRIPTION	UNIT	QTY.
S-01-1-08-2	8" PVC, 6' - 12'	LF	730
S-01-1-08-3	8" PVC, 12' - 18'	LF	1,253
S-01-1-12-2	12" PVC, 6' - 12'	LF	750
S-01-1-12-3	12" PVC, 12' - 18'	LF	736
S-02-2	SEWER MANHOLE W/ EPOXY, 6' - 12'	EA	4
S-02-3	SEWER MANHOLE W/ EPOXY, 12' - 18'	EA	5
S-02-6	SEWER MANHOLE W/ HDPE LINER, 6' - 12'	EA	1
S-23-2-08	DIP MJ FITTINGS 8"	EA	4
W-01-1-12	12" PVC WATER MAIN	LF	4,100
W-01-2-08	8" DIP WATER MAIN	LF	750
W-03-2-08	DIP MJ FITTINGS 8"	EA	4
W-03-2-12	DIP MJ FITTINGS 12"	EA	20
W-05-1-08	8" GATE VALVE W/ SST STEM & VALVE BOX	EA	8
W-05-2-12	12" BUTTERFLY VALVE & VALVE BOX	EA	4
W-09-1-08	FH ASSEMBLY ON 8" MAIN, TYPE A	EA	8
W-09-1-12	FH ASSEMBLY ON 12" MAIN, TYPE A	EA	8
W-14-5	2" SINGLE WATER SERVICE - SHORT	EA	3
W-16-16-12	12" TAP ON EXISTING 16" WATER MAIN W/VALVE & SST STEM	EA	1
-	-	-	-

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION
11/30/22	Revised Summary Of Pay Items Quantity		
1/25/23	Revised Summary Of Pay Items Quantity (Striping)		
2/15/23	Revised Summary Of Pay Items Quantity (Striping)		

NOEL JOHN COOPER, P.E.
P.E. LICENSE NUMBER 69534
STATE OF FLORIDA, DATE: _____
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PREPARED BY

OCALA
CITY ENGINEER'S OFFICE

Gary Anson

NW 44th AVENUE EXTENSION PHASE 2

SUMMARY OF PAY ITEMS

SHEET NO. 4

4/6/2023 6:12:19 PM T:_sd-ENG-Engineering-Department-Common\Interdisicplinary Projects\2020\20106 - NW 44th Ave (SR40-4000 ft

GENERAL NOTES:

1. ALL CONSTRUCTION WITHIN THE PROJECT AREA SHALL BE IN ACCORDANCE TO THE LATEST EDITION OF THE CITY OF OCALA'S "STANDARD SPECIFICATIONS FOR CONSTRUCTION OF STREETS, STORMWATER, TRAFFIC, WATER & SEWER INFRASTRUCTURE", JANUARY 2022 EDITION, THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION, 2022-2023 EDITION, THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, FY 2023-24 EDITION, AND THE UTILITY ACCOMMODATION MANUAL (UAM).
2. CONTRACTOR SHALL APPLY FOR CITY OF OCALA ROW PERMIT NO LESS THAN 5 BUSINESS DAYS PRIOR TO STARTING WORK.
3. THE CONTRACTOR SHALL BE NOISE SENSITIVE FOR NIGHT OPERATIONS IF THEY ARE REQUIRED.
4. CONTRACTOR SHALL REVIEW AND COMPLY WITH THE "SPECIAL PROVISIONS" AND OTHER ATTACHMENTS TO THE FDOT PERMIT FOR THIS PROJECT.
5. CONTRACTOR SHALL NOTIFY ALL PROPERTY OWNERS AFFECTED BY PROPOSED CONSTRUCTION ACTIVITIES IN ADVANCE OF SUCH OPERATIONS IN ACCORDANCE WITH FDOT AND/OR CITY OF OCALA NOTIFICATION REQUIREMENTS.
6. WHEN OPERATING OUTSIDE CITY OF OCALA RIGHT-OF-WAY, THE CONTRACTOR SHALL GIVE PROPER NOTIFICATION AND OBTAIN WRITTEN PERMISSION TO DO SO FROM THE OWNER OF EACH PARTICULAR PROPERTY.
7. A PRE-CONSTRUCTION CONFERENCE SHALL BE CONDUCTED BY THE CITY OF OCALA WITH THE CONTRACTOR, AND FDOT PERSONNEL.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR EMPLOYING A FLORIDA LICENSED SURVEYOR AND MAPPER FOR CONDUCTING THE FOLLOWING DESCRIBED WORK: EXISTING SECTION CORNERS & 1/4 SECTION CORNERS, AND OTHER LAND MARKERS OR MONUMENTS, INCLUDING INDIVIDUAL LOT CORNERS, LOCATED WITHIN PROPOSED CONSTRUCTION AREA TO BE REFERENCED PRIOR TO CONSTRUCTION AND RESET AFTER CONSTRUCTION, IN ACCORDANCE WITH CHAPTERS 177 AND 472 OF THE FLORIDA STATUTES AND 5J17 OF THE FLORIDA ADMINISTRATION CODE.
9. ALL UNSUITABLE MATERIALS ENCOUNTERED SHALL BE DISPOSED OF AND REPLACED WITH APPROVED MATERIALS. NO TEMPORARY OR PERMANENT DEPOSITS SHALL BE MADE OUTSIDE OF THE PROPOSED R/W EXCEPT AS APPROVED BY ENGINEER.
10. EXCAVATED MATERIALS SHALL BE LOADED ONTO DUMP TRUCKS DIRECTLY BEHIND THE EQUIPMENT AND HAULED OFF TO THE DESIGNATED SITE. TRAFFIC CONTROL MEASURES SHALL BE PLACED ACCORDINGLY TO ACCOMMODATE THIS PROCESS.
11. ALL PIPE LENGTHS AND INVERTS SHOWN HERE IN ARE FROM C/L STRUCTURE TO C/L STRUCTURE OR END OF PIPE, UNLESS OTHERWISE NOTED.
12. CONTRACTOR TO FIELD VERIFY TOP ELEVATIONS OF ALL DRAINAGE STRUCTURES AND SEWER MANHOLES PRIOR TO FABRICATIONS.
13. ALL EXISTING MANHOLES, INLETS, AND VALVE COVERS THAT ARE RETAINED OR RELOCATED SHALL BE ADJUSTED TO MATCH PROPOSED FINISHED GRADE.
14. SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT NOTIFICATION: IF A SINKHOLE OR SOLUTION CHANNEL IS EXPOSED DURING CONSTRUCTION OF THE RETENTION BASIN, THE ENGINEER SHALL BE IMMEDIATELY CONTACTED. SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT MUST BE CONTACTED WITH 48 HOURS OF DISCOVERY AND CONTRACTOR MUST SUBMIT A DETAILED SINKHOLE EVALUATION AND REPAIR PLAN FOR APPROVAL BY THE DISTRICT WITHIN 30 DAYS OF DISCOVERY. A LICENSED QUALIFIED PROFESSIONAL MUST AUTHORIZE THE SINKHOLE REPAIR PLAN AND CERTIFY IT COMPLETE PRIOR TO POND CONSTRUCTION. REFERENCE SUBSECTIONS 40D-4.101(1)(e) AND 40D-4.301(1)(a), (e) AND (f), F.A.C.
15. WHERE MAILBOXES ARE TO BE RELOCATED AND/OR REMOVED, CONTRACTOR SHALL NOTIFY THE POSTMASTER OF THE OCALA POST OFFICE NO LESS THAN 7 BUSINESS DAYS (EXCLUDING WEEKENDS AND POSTAL HOLIDAYS).
16. SIDEWALKS, INCLUDING PORTIONS OF DRIVEWAYS (EXISTING OR PROPOSED) WITHIN SIDEWALK PATH, SHALL COMPLY WITH ADA ACCESSIBILITY STANDARDS. WHERE EXISTING DRIVEWAYS ARE NOT COMPLIANT, CONTRACTOR TO REMOVE AND REPLACE.
17. RESTORE AND RE-SOD ALL DISTURBED AREAS WITH ARGENTINE BAHIA IN ACCORDANCE WITH THE FDOT STANDARD SPECIFICATIONS. THE CONTRACTOR SHALL MAINTAIN THAT PORTION OF THE RIGHT-OF-WAY AFFECTED BY THE PERMIT UNTIL VEGETATION IS ESTABLISHED. PERFORM ALL WORK NECESSARY, INCLUDING WATERING AND FERTILIZING, TO SUSTAIN AN ESTABLISHED TURF UNTIL FINAL ACCEPTANCE, AT NO ADDITIONAL EXPENSE TO FDOT OR THE CITY OF OCALA. PROVIDE FILLING, LEVELING, AND REPAIRING OF ANY WASHED OR ERODED AREAS, AS MAY BE NECESSARY.
18. THE CONTRACTOR IS RESPONSIBLE FOR MOWING, AT NO ADDITIONAL EXPENSE TO FDOT OR THE CITY OF OCALA, ANY AREA WITHIN PUBLIC RIGHT-OF-WAYS WHERE THE PERMITTED WORK OR WHERE UTILITY LOCATE FLAGS PLACED FOR PERMITTED WORK CREATES A HINDRANCE FOR OR INTERFERES WITH MAINTENANCE ENTITY'S REGULAR MOWING OPERATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MOWING UNTIL ALL SUCH HINDRANCES ARE REMOVED SO THAT REGULAR MAINTENANCE ENTITY MOWING CAN BE RESUMED. THE CONTRACTOR SHALL MEET THE MOWING REQUIREMENTS ESTABLISHED BY THE DEPARTMENT'S MAINTENANCE RATING PROGRAM (MRP). CONTACT THE LOCAL FDOT MAINTENANCE OFFICE FOR DETAILS (352.732.1338)
19. ALL UTILITY LOCATE FLAGS SHALL BE REMOVED BY THE CONTRACTOR WHEN THEY ARE NO LONGER NEEDED.
20. CALL "FLORIDA SUNSHINE ONE-CALL" FOR UTILITY LOCATION SERVICES AT LEAST 2 BUSINESS DAYS PRIOR TO CONSTRUCTION (1-800-432-4770).
21. ELECTRICAL SERVICE WITHIN PROJECT BOUNDARIES IS PROVIDED BY OCALA ELECTRIC UTILITY (OEU).
22. A TEMPORARY ACCESS PERMIT WILL NEED TO BE APPLIED FOR IF A CONSTRUCTION ENTRANCE TO SR 40 IS USED.
23. THE EXISTING SIDEWALK, UTILITY STRIP AND CURB WITHIN SR 40 RIGHT-OF-WAY WILL NOT BE DISTURBED.

ENVIRONMENTAL NOTES:

1. THE CITY OF OCALA OPERATES UNDER A FDEP NPDES 'GENERAL PERMIT' THAT REQUIRES THE CITY AND, IN TURN, ITS CONTRACTORS TO FOLLOW CERTAIN ENVIRONMENTAL PRACTICES AND PROCEDURES TO PREVENT THE POLLUTION OF THE CITY'S GROUNDWATER AND STORMWATER SYSTEM.
2. ALL WATER COLLECTED AND PUMPED DURING TRENCH DEWATERING ACTIVITIES SHALL BE DISPOSED OF IN UPLAND AREAS INTO DISCHARGE LOCATIONS THAT SHALL BE A MINIMUM OF 75 FEET FROM THE NEAREST WATER BODY OR WETLAND AREA TO ALLOW FOR MAXIMUM OVERLAND FILTRATION OF SOIL PARTICLES.
3. STAKED SILT SCREEN, TURBIDITY BARRIERS OR OTHER PERIMETER CONTROL METHODS APPROVED BY FDEP SHALL BE UTILIZED AS SILT BARRIERS AND PLACED IN LOCATIONS SHOWN ON THE PLANS AND AT OTHER LOCATIONS AS REQUIRED TO KEEP SEDIMENT FROM REACHING PRIVATE PROPERTY. THESE BARRIERS SHALL BE INSTALLED BEFORE COMMENCING WITH ANY CONSTRUCTION WITHIN OR ADJACENT TO PRIVATE PROPERTY. THE CONTRACTOR SHALL MONITOR AND MAINTAIN ALL SILT BARRIERS AND FENCING INCLUDING DAILY INSPECTIONS TO CHECK THEIR INTEGRITY. ANY LOOSE OR DAMAGED SILT BARRIERS AND FENCING SHALL BE IMMEDIATELY REPAIRED OR REPLACED AS NECESSARY. ONCE CONSTRUCTION IS COMPLETED AND FINISHED GRADING AND STABILIZATION HAS BEEN ACHIEVED, SILT BARRIERS AND FENCING SHALL BE COMPLETELY REMOVED TO THE SATISFACTION OF THE ENGINEER AND BEFORE FINAL ACCEPTANCE.
4. THE CONTRACTOR SHALL NOT REMOVE ANY TREES WITHOUT COORDINATING SUCH REMOVAL WITH THE ENGINEER. IF ANY TREES ARE REMOVED IN WETLAND JURISDICTIONAL, OR NATIVE VEGETATION AREAS WITHOUT PROPER AUTHORIZATION, CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING A DETAILED RESTORATION AND/OR MITIGATION PLAN, SUBMITTING PLAN TO AND OBTAINING APPROVAL FROM FDEP, WATER MANAGEMENT DISTRICT, CITY, OWNER AND ENGINEER, AND COMPLETING ANY MONITORING AND MAINTENANCE REQUIREMENTS IMPOSED AS A RESULT OF TREE REMOVAL.

THE CONTRACTOR SHALL:

5. HANDLE, COLLECT, AND DISPOSE OF HAZARDOUS MATERIALS, SANITARY WASTE, AND CONSTRUCTION WASTE MATERIALS ACCORDING TO THE APPLICABLE STATE LAWS AND REGULATIONS, CITY ORDINANCES, OR AS DIRECTED BY THE CITY.
6. DESIGNATE AN AREA FOR DISCHARGE OF SURPLUS CONCRETE AND CONCRETE TRUCK DRUM WASH WATER. INSTALL A CONTAINMENT BERM AROUND THIS DESIGNATED AREA TO PREVENT RUNOFF BEYOND THE DESIGNATED AREA. ALL SURPLUS CONCRETE SHALL BE REMOVED FROM THE PROJECT SITE PRIOR TO FINAL INSPECTION.
7. STORE AND USE PETROLEUM AND OTHER HAZARDOUS PRODUCTS ACCORDING TO RECOMMENDED PROCEDURES.
8. FOLLOW GOOD HOUSEKEEPING PRACTICES TO MINIMIZE THE RISK OF SPILLS OR UNINTENDED EXPOSURE OF PETROLEUM AND OTHER HAZARDOUS MATERIALS TO STORMWATER RUNOFF OR SEEPAGE INTO THE GROUNDWATER.
9. HAVE PRE-PREPARED PROCEDURES CLEARLY POSTED FOR SPILL CONTAINMENT AND CLEAN-UP.
10. HAVE READILY AVAILABLE REMEDIATION MATERIALS FOR SPILL CONTAINMENT AND CLEAN-UP.
11. UPON RELEASE, IMMEDIATELY INITIATE RECOMMENDED METHODS FOR SPILL CONTAINMENT AND CLEAN-UP.
12. WITHIN 24-HOURS OF THE SPILL/RELEASE, NOTIFY THE 'STATE WARNING POINT' (AT 1.800.320.0519 OR 1.850.413.9911) OF ALL RELEASES EQUAL TO OR EXCEEDING THE REPORTABLE QUANTITY.

SIGNAGE AND STRIPING NOTES:

1. THE CONTRACTOR SHALL CONTACT THE CITY OF OCALA PUBLIC WORKS DEPT. – TRAFFIC OPERATIONS (352) 351-6733 48 HOURS PRIOR TO COMMENCEMENT. THE CONTRACTOR SHALL CONTACT THE LOCAL FLORIDA DEPARTMENT OF TRANSPORTATION MAINTENANCE OFFICE 48 HOURS PRIOR TO CONSTRUCTION NEAR W SILVER SPRINGS BLVD. (SR 40). ALL ITEMS THAT REQUIRE RELOCATION OR REPLACEMENT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
2. ALL SIGN ASSEMBLIES AND SIGN PANELS TO BE RELOCATED SHALL BE RELOCATED OUT OF THE CONSTRUCTION AREA, THEN RE-INSTALLED AFTER CONSTRUCTION IS COMPLETED. ANY DAMAGED SIGNAGE SHALL BE REPLACED AT CONTRACTOR'S EXPENSE.
3. CONTRACTOR TO REPAIR OR REPLACE ALL PAVEMENT MARKINGS, TRAFFIC LOOPS OR HOMERUNS OUTSIDE OF THE PROJECT AREA THAT ARE DAMAGED DURING CONSTRUCTION.
4. TEMPORARY STRIPING AND MARKING SHALL BE PART OF THIS CONTRACT AND SHALL BE IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. TEMPORARY STRIPING SHALL BE WATER-BASED PAINT. TEMPORARY STOP LINES SHALL BE INSTALLED IMMEDIATELY AFTER NEW SURFACE IS IN PLACE WHERE STOP LINES ARE SHOWN ON THE PLANS; ALL OTHER TEMPORARY STRIPING AND MARKING SHALL BE INSTALLED AS SOON AS POSSIBLE AFTER NEW SURFACE IS IN PLACE. CONTRACTOR SHALL BE PAID FOR ONLY ONE APPLICATION OF TEMPORARY STRIPING PER ITEM. TEMPORARY STRIPING AND MARKING UTILIZED FOR TEMPORARY TRAFFIC CONTROL SHALL BE PART OF THE TEMPORARY TRAFFIC CONTROL SCHEDULE.
5. THERMOPLASTIC STRIPING, AS DEFINED UNDER FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION #711, IS REQUIRED FOR FINISHED CONSTRUCTION ON CITY OF OCALA RIGHTS OF WAY. WHERE ROADWAY PAVEMENT IS INSTALLED OR REPLACED, THERMOPLASTIC STRIPING SHALL BE INSTALLED AT LEAST 14 DAYS AFTER FINAL PAVING; OTHERWISE THERMOPLASTIC STRIPING IS TO BE INSTALLED CONCURRENT TO OTHER PROJECT WORK. CONTRACTOR SHALL BE PAID FOR ONLY ONE APPLICATION OF THERMOPLASTIC STRIPING PER ITEM.
6. WHERE CROSSWALKS ARE PROPOSED, CONTRACTOR TO ENSURE THAT ANY EXISTING STOP LINES ARE MIN. 4' FROM THE PROPOSED CROSSWALK LINES.

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION
3/6/23	ADDED GENERAL NOTE #22		
4/6/23	Revised general note #1		

NOEL JOHN COOPER, P.E.
P.E. LICENSE NUMBER 69534
STATE OF FLORIDA, DATE: _____
VALID ONLY WITH EMBOSSED SEAL.

PREPARED BY

OCALA
CITY ENGINEER'S OFFICE

NW 44th AVENUE EXTENSION PHASE 2

GENERAL NOTES

SHEET NO. 5

Gary Anson 4/6/2023 6:12:23 PM T:_sd-ENG-Engineering-Department-Common\Interdisiciplinary Projects\2020\20106 - NW 44th Ave (SR40-4000 ft NJ\02010640000\Roadway\KEYSHT00.dwg

EROSION CONTROL NOTES:

1. THE CONTRACTOR SHALL PREVENT THE DISCHARGE OF SEDIMENT DUE TO CONSTRUCTION OPERATIONS. ALL NEW AND EXISTING DRAIN PIPES AND STRUCTURES SHALL BE FLUSHED CLEAN PRIOR TO FINAL PAYMENT.

2. ALL STORM SEWER INLETS SHALL BE PROTECTED SO THAT SEDIMENT LADEN WATER WILL NOT ENTER THE STORM SYSTEM WITHOUT FIRST BEING FILTERED.

3. ALL DISTURBED AREAS ARE TO BE SODDED. ALL STABILIZATION PRACTICES SHALL BE PERFORMED AS SOON AS PRACTICAL AT LOCATIONS WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED. PERMANENT VEGETATION SHALL NOT BE CONSIDERED ESTABLISHED UNTIL GROUND COVER IS ACHIEVED AND, IN THE OPINION OF THE ENGINEER, PROVIDES ADEQUATE COVER AND IS MATURE ENOUGH TO CONTROL SOIL EROSION SATISFACTORILY, TO SURVIVE ADVERSE WEATHER CONDITIONS.

4. STAKED SILT FENCE SHALL BE PLACED IN ACCORDANCE WITH CITY OF OCALA SPECIFICATIONS.

5. THE CONTRACTOR WILL PROVIDE LITTER CONTROL AND COLLECTION WITHIN THE PROJECT BOUNDARIES DURING CONSTRUCTION ACTIVITIES. ALL FERTILIZERS, HYDROCARBON, OR OTHER CHEMICAL CONTAINERS SHALL BE DISPOSED OF BY THE CONTRACTOR ACCORDING TO EPA'S STANDARD PRACTICES AS DETAILED BY THE MANUFACTURER.

6. LOADED HAUL TRUCKS SHALL BE COVERED WITH TARPAULIN. EXCESS DIRT ON THE ROAD SHALL BE REMOVED DAILY. AREAS WITHIN THE LIMITS OF CONSTRUCTION SHALL BE DAMPENED WITH WATER AS REQUIRED FOR DUST CONTROL.

7. THE CONTRACTOR WILL ADHERE TO ALL STATE AND LOCAL REGULATIONS.

8. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE MAINTENANCE AND REPAIRS OF EROSION AND SEDIMENT CONTROL DEVICES, AND REMOVAL OF EROSION AND SEDIMENT CONTROL DEVICES AFTER THE NOTICE OF TERMINATION. MAINTENANCE AND REPAIR REQUIRED FOR THE CONTROL AND ABATEMENT OF EROSION AND WATER POLLUTION SHALL BE INCLUDED IN THE PROJECT COST.

9. TOXIC SUBSTANCES SHALL BE DISPOSED OF BY THE CONTRACTOR ACCORDING TO THE EPA'S STANDARD PRACTICES.

10. THE FOLLOWING PRACTICES WILL BE USED TO MAINTAIN EROSION AND SEDIMENT CONTROLS:
    - A. ALL MEASURES WILL BE MAINTAINED IN GOOD WORKING ORDER.
    - B. IF A REPAIR IS NECESSARY, IT WILL BE INITIATED WITHIN 24 HOURS OF REPORT.
    - C. ALL POLLUTION CONTROLS SHALL BE MAINTAINED AT ALL TIMES.
    - D. BUILT UP SEDIMENT WILL BE REMOVED FROM STAKED SILT FENCE WHEN IT HAS REACHED ONE-HALF THE HEIGHT OF THE SILT FENCE.

11. POLLUTION CONTROL MEASURES SHALL BE INSPECTED DAILY. WRITTEN DOCUMENTATION OF INSPECTIONS SHALL BE WRITTEN EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF A RAIN EVENT OF 0.5 INCHES OR GREATER.

12. THE CONTRACTOR WILL PROVIDE THE CITY OF OCALA WITH AN EROSION CONTROL PLAN THAT WILL INCLUDE SPILL REPORTING AND RESPONSE. IF CONTAMINATED SOIL OR GROUNDWATER IS ENCOUNTERED, CONTACT THE PROJECT ENGINEER.

SURVEY & MAPPING NOTES:

1. COORDINATES AND BEARINGS SHOWN HEREON ARE BASED ON FLORIDA STATE PLANE COORDINATES, WEST ZONE AND WERE DERIVED FROM GPS OBSERVATIONS REFERENCED TO THE FDOT PERMANENT REFERENCE NETWORK.

2. ELEVATIONS SHOWN HEREON ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 1929 AND ARE REFERENCED TO CITY CONTROL POINTS SHOWN ON THIS DRAWING.

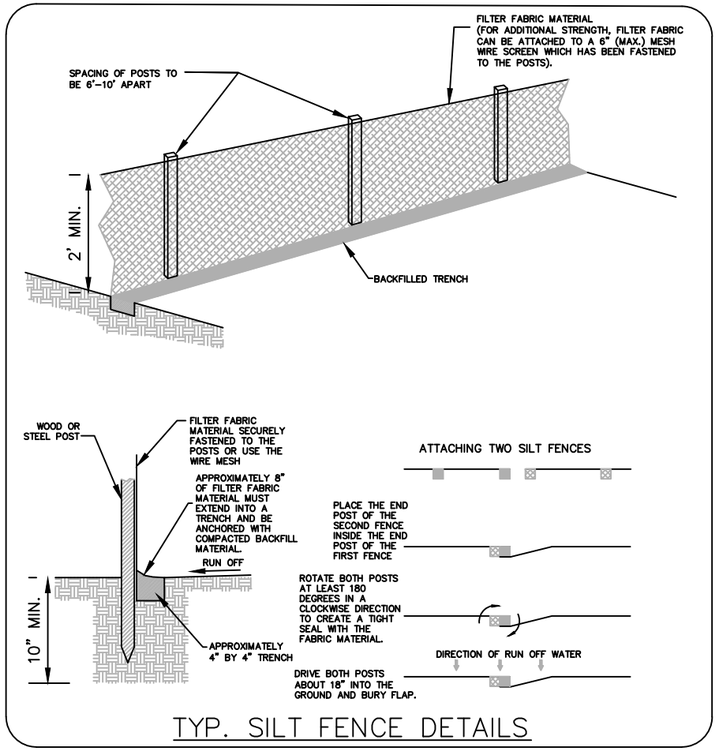
3. IT IS THE RESPONSIBILITY OF THE CONTRACTOR, PRIOR TO THE COMMENCEMENT OF CONSTRUCTION, TO ENSURE ALL EXISTING SURVEY MARKERS ARE LOCATED, CLEARLY MARKED AND PROTECTED, BY THE CONTRACTORS SURVEYOR.

4. ANY SURVEY MARKER, INCLUDING, BUT NOT LIMITED TO, PUBLIC LAND SURVEY SECTION CORNER MARKERS, BENCH MARKS, PROPERTY CORNERS, ETC., WHICH ARE DISTURBED DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE PRIOR TO FINAL PAYMENT.

5. ADDITIONALLY, SURVEY STAKES PLACED MARKING THE LOCATIONS OF MARKERS, PROPERTY LINES, RIGHT-OF-WAY LINES, OR ANY OTHER POINT, PLACED FOR CONSTRUCTION AND SUBSEQUENTLY DISTURBED OR DESTROYED DURING CONSTRUCTION SHALL BE REPLACED AS NEEDED AT THE RESPONSIBILITY OF THE CONTRACTOR.

6. RESETTING OF MONUMENTS AND MARKERS SHALL BE PERFORMED BY A PROFESSIONAL LAND SURVEYOR, LICENSED TO PRACTICE IN THE STATE OF FLORIDA AND SHOWN AS RE-SET ON AS-BUILT PLANS.

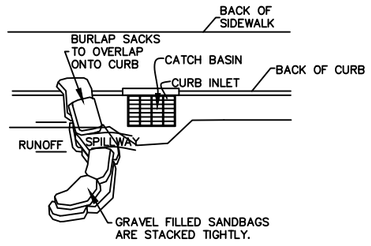
7. UNLESS PRIOR AGREEMENT IS MADE, IT SHALL NOT BE THE RESPONSIBILITY OF THE CITY SURVEYOR TO REPLACE ANY SURVEY MARKERS.



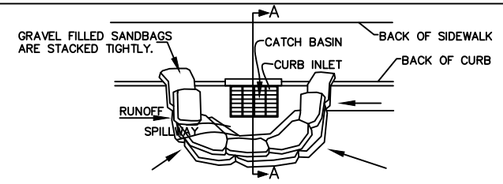
TYP. SILT FENCE DETAILS

NOTES

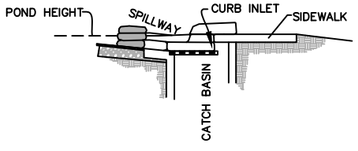
1. PLACE CURB TYPE SEDIMENT BARRIERS ON GENTLY SLOPING STREET SEDIMENTS WHERE WATER CAN POND AND ALLOW SEDIMENT TO SEPARATE FROM RUNOFF.
2. SANDBAGS, OF EITHER BURLAP OR WOVEN GEOTEXTILE FABRIC, ARE FILLED WITH GRAVEL, LAYERED AND PACKED TIGHTLY.
3. LEAVE ONE SANDBAG GAP IN THE TOP ROW TO PROVIDE A SPILLWAY FOR OVERFLOW.
4. INSPECT BARRIERS AND REMOVE SEDIMENT AFTER EACH STORM EVENT. SEDIMENT AND GRAVEL MUST BE REMOVED FROM THE TRAVELED WAY IMMEDIATELY.



PLAN VIEW



PLAN VIEW



SECTION A-A

CURB AND GUTTER SEDIMENT BARRIER

1. PLACE GRAVEL FILLED BURLAP BAGS ON GENTLY SLOPING STREET SEGMENTS ACCORDING TO THE SPACING CHART. (SEE PLATE 4.08p)
2. PLACE TWO OR MORE BAGS AT EACH INTERVAL IN A MANNER WHICH PROVIDES MAXIMUM SUPPORT
3. WHEN STACKING SEVERAL BAGS HIGH, LEAVE A ONE BAG GAP TO PROVIDE AN OVERFLOW SPILLWAY.
4. SEDIMENTS MUST BE REMOVED AFTER EACH RAIN EVENT.

MAINTENANCE

1. THE STRUCTURE SHALL BE INSPECTED AFTER EACH RAIN AND REPAIR MADE AS NEEDED.
2. SEDIMENT SHALL BE REMOVED AND THE TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS TO ½ OF THE DESIGN DEPTH OF THE TRAP. REMOVED SEDIMENT SHALL BE DEPOSETED IN A SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE.
3. STRUCTURES SHALL BE REMOVED AND THE AREA STABILIZED WHEN THE REMAINING DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.

CURB INLET SEDIMENT BARRIER

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
----	----		

NOEL JOHN COOPER, P.E.
P.E. LICENSE NUMBER 69534
STATE OF FLORIDA, DATE: _____
VALID ONLY WITH EMBOSSED SEAL.

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NW 44th AVENUE EXTENSION PHASE 2

GENERAL NOTES

SHEET NO. 6

Gary Anson 4/6/2023 6:12:23 PM T:_sd-ENG-Engineering-Department-Common\Interdisciplinary Projects\2020\20106 - NW 44th Ave (SR40-4000 ft N)\02010640000\Roadway\KEYSHT00.dwg

ABBREVIATIONS & SYMBOLOGY

⊡	CM	CONCRETE MONUMENT
—◇—	PP	POWER POLE
☼	LP	LAMP POLE
←	GA	GUY ANCHOR
—▭		SIGN
	MB	MAILBOX OR NEWSPAPER BOX
⊡ or □		TELEPHONE RISER
Ⓣ		TELEPHONE MANHOLE
Ⓓ	STM. MH	STORM MANHOLE
▥		CATCH BASIN
⋈	WV	WATER VALVE
▯	WM	WATER METER
⚹ or ⚹	FH	FIRE HYDRANT
⋈	GV	GATE VALVE
Ⓢ		SANITARY MANHOLE
◉		SANITARY CLEANOUT
⊠	PGL	PROFILE GRADE LINE
	MES	MITERED END SECTION
	EXIST.	EXISTING
	PROP.	PROPOSED
	TYP.	TYPICAL
	MTL	METAL
	WD	WOOD
	TOB	TOP OF BANK
	TOE	TOE OF SLOPE
	WRA	WET RETENTION AREA
	DRA	DRY RETENTION AREA
	ERCP	ELLIPTICAL REINFORCED CONCRETE PIPE
	CMP	CORRUGATED METAL PIPE
	PED	PEDESTRIAN
	FDOT	FLORIDA DEPARTMENT OF TRANSPORTATION
	SPI	STANDARD PLANS INDEX (NUMBER)

MUTCD	MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES	GR	TL-3 GUARDRAIL (W-BEAM W/ TIMBER POSTS)
BOS	BACK OF SIDEWALK	COO	CITY OF OCALA
QTY	QUANTITY	CP	CONTROL POINT
NO.	NUMBER	CIRC	(CONTROL) IRON ROD AND CAP
CONST.	CONSTRUCT / INSTALL	CNL	(CONTROL) NAIL AND DISC
SWK	SIDEWALK	BM/BMK	BENCHMARK
UE	UTILITY EASEMENT	COED	CITY OF OCALA ENGINEERING DEPARTMENT
TCE	TEMPORARY CONSTRUCTION EASEMENT	ELEV.	ELEVATION (NGVD)

LEGEND

— — — — —	EXISTING DRAINAGE PIPE	———	PROPOSED DRAINAGE PIPE
— — — — —	EDGE OF EXISTING CURB	———	EDGE OF PROPOSED CURB
— — — — —	EDGE OF EXISTING SIDEWALK	———	EDGE OF PROPOSED SIDEWALK
— — — — —	EDGE OF EXISTING DRIVEWAY (ALL TYPES)	———	EDGE OF PROPSOED DRIVEWAY (ALL TYPES)
—×—×—×—×—	EXISTING FENCES	—×—×—×—×—	PROPOSED FENCES
—— – –OE– – ——	EXISTING OVERHEAD POWER	—— – –OE– – ——	PROPOSED OVERHEAD POWER
— — — — —	EXISTING TOP OF BANK/TOE OF SLOPE	▬▬	PROPOSED GRAVITY WALL
— – –W(D)– – —	EXISTING POTABLE WATER	·W W W W W W W·	PROPOSED POTABLE WATER
— – –S(D)– – —	EXISTING GRAVITY SANITARY SEWER	·S·S·S·S·S·S·S·	PROPOSED GRAVITY SANITARY SEWER
— – –S(D)– – —	EXISTING SANITARY FORCE MAIN	———	PROPOSED PEDESTRIAN HANDRAIL
— – –BT(D)– – —	EXISTING BURIED TELEPHONE LINE	——▯—▯—▯—▯—▯——	PROPOSED TL-3 GUARDRAIL
— – –G(D)– – —	EXISTING BURIED NATURAL GAS LINE		
——— – – ———	RIGHT-OF-WAY LINE		
———	EXISTING PROPERTY LINE		
— — — — —	EDGE OF EXISTING PAVEMENT	———	EDGE OF PROPOSED PAVEMENT
▬ ▬ ▬ ▬	EXISTING STRIPING TO BE RETAINED	▬▬	PROPOSED STRIPING
✳	PALM TREE		
✿	OAK TREE		
✿	OTHER TREES (NOTE: NOT ALL INCLUSIVE)		

THE HATCHING AND SYMBOLOGY WITHIN THE ROADWAY PLAN SHEETS ARE DEFINED AS FOLLOWS:

- 4" CONCRETE (MIN. 3,000 PSI)
- 6" CONCRETE W/ FIBER MESH REINFORCEMENT (MIN. 3,000 PSI)
- DETECTABLE WARNING SURFACE (RED BRICK COLOR WHERE APPLICABLE)
- PROPOSED 2" SP-12.5 ASPHALT PAVEMENT FOR STABILIZATION OF GUARDRAIL
- PROPOSED ASPHALT PAVEMENT AND LIMEROCK BASE PER TYPICAL SECTIONS (SHEET 11)
- MILL EXIST. ASPHALT PAVEMENT AND RETAIN EXIST. LIMEROCK. ADD 2 LIFTS SP-12.5 OF VARYING BUT EQUAL DEPTH TO 1" BELOW PROP. GRADE. ADD 1" FC-9.5.

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

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION
4/6/23	Revised legend		

NOEL JOHN COOPER, P.E.
P.E. LICENSE NUMBER 69534
STATE OF FLORIDA, DATE: _____
VALID ONLY WITH EMBOSSED SEAL.

PREPARED BY
OCALA
CITY ENGINEER'S OFFICE

NW 44th AVENUE EXTENSION PHASE 2

LEGEND AND ABBREVIATIONS

SHEET NO. 7

Gary Anson 4/6/2023 6:12:24 PM T:_sd-ENG-Engineering-Department-Common\Interdisicplinary Projects\2020\20106 - NW 44th Ave (SR40-4000 ft

N

1" = 200'

PC STA. 34+73.67

PC STA. 201+50.00

20'x5' GUY EASEMENT (TYP., 6 THIS SHEET)

5' TREE TRIMING & TCE

10' UE & TCE

17' TCE

100' RIGHT OF WAY LIMIT

CITY PROPERTY LINE

PROPOSED DRA EXPANSION (JOINT AGREEMENT)

CITY PROPERTY LINE

WEEKS AUCTION COMPANY, INC.
PARCEL ID No. 22854-000-00

OCALA INTERNATIONAL COMMERCE PARK
(NOT PLATTED)
PARCEL ID No. 21645-000-00

CITY OWNED
DRA-2
TOP=68.0
BOT=61.0

DRA-1
TOP=67.0
BOT=61.0

NW 46TH AVENUE

SW 46TH AVENUE

PARCEL ID No. 22854-001-00

DEL ZOTTO CONCRETE PRODUCTS OF FLORIDA, INC.
PARCEL ID No. 22852-000-00

PARCEL ID No. 22846-001-00

PT STA. 203+97.19

PC STA. 204+89.96

PT STA. 207+34.76

PC STA. 213+49.21

PRC STA. 216+82.48

PT STA. 42+51.17

EXIST. 10' TCE

TCE (WIDTH VARIES, 22.5' MAX)

CITY PROPERTY LINE

MATCHLINE STA. - 220+00.00

DESIGN SPEED: 35 mi/h

STATE ROAD No. 40

CENTERLINE RADIUS = 17188.74'

TANGENT BEARING = S 89°41'56" E

EXISTING R/W

CP 94 CP 14 CP 204 CP 749 CP 748 CP 747 CP 207 CP 750 CP 210 CP 761

FD. 4"x4" C.M. (L.S. #2418)

FD. 4"x4" C.M. (ILLEGIBLE)

FOUND 4"x4" C.M. (L.S. #4265) SW CORNER OF NE 1/4 OF NW 1/4 OF SECTION 15, TWP 15 S, RNG 21 E

N 00°34'55" E 614.45'

N 00°34'27" E 1282.62' (F) 1282.77' (C)

N 00°34'55" E 1114.25' (F)

N 89°39'41" W 1325.65' (F)
SOUTH BOUNDARY OF NW 1/4 OF NW 1/4 OF SECTION 15, TWP 15 S, RNG 21 E

1275.66'(C)
N 89°39'41" W 1325.66' (F)
SOUTH BOUNDARY OF NE 1/4 OF NW 1/4 OF SECTION 15, TWP 15 S, RNG 21 E

N 00°34'03" E 158.10' (C)

14.00'(C)

92.77'

R 532.98'

R 695'

(1) (2) (3) (4)

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
1/24/23	REVISED TCE & PROPERTY LINE REFERENCES		
3/23/23	REVISED STARTING LINE OF PROJECT AT S.R. 40		

NOEL JOHN COOPER, P.E.
P.E. LICENSE NUMBER 69534
STATE OF FLORIDA, DATE: _____
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PREPARED BY

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CITY ENGINEER'S OFFICE

NW 44th AVENUE EXTENSION PHASE 2

PROJECT OVERVIEW (1)

SHEET NO. 8

Gary Anson 4/6/2023 6:12:37 PM T:_sd-ENG-Engineering-Department-Common\Interdisicplinary Projects\2020\20106 - NW 44th Ave (SR40-4000 ft

MATCHLINE STA. - 220+00.00

DESIGN SPEED: 50 mi/h

STA. 221+10.00

100' RIGHT OF WAY LIMIT

10' TREE TRIMMING & TCE

6' TCE

100' RIGHT OF WAY LIMIT

CP 214

PT STA. 220+15.89

N 00°34'13" E 1324.60' (C)

N 00°34'13" E 1324.52' (F)

WEST BOUNDARY OF NE 1/4 OF NW 1/4 OF SECTION 15, TWP 15 S, RNG 21 E

N 00°34'13" E 1324.41' (C)

(5)

CP 213

16 9

15 10

1275.43 (C)

N 89°34'22" W 1325.43' (F)

SOUTH BOUNDARY OF SW 1/4 OF SW 1/4 OF SECTION 10, TWP 15 S, RNG 21 E

PI STA. 227+10.93

WATER

WATER

WATER

WATER

1327.87' (C)

N 89°32'24" W 1327.87' (F)

SOUTH BOUNDARY OF SE 1/4 OF SW 1/4 OF SECTION 10, TWP 15 S, RNG 21 E

(6) CP 216

APPROXIMATE LOCATION SW CORNER OF SE 1/4 OF SW 1/4 OF SECTION 10, TWP 15 S, RNG 21 E, ALSO BEING THE NW CORNER OF NE 1/4 OF NW 1/4 OF SECTION 15, TWP 15 S, RNG 21 E

CP 217

CP 218

230

NW 46TH AVENUE

PARCEL ID No. 22846-002-00

PARCEL ID No. 22846-001-00

OCALA INTERNATIONAL COMMERCE PARK (NOT PLATTED)

PARCEL ID No. 21645-000-00

CP 787

(7)

16' TCE

20' TCE

WEST BOUNDARY OF SE 1/4 OF SW 1/4 OF SECTION 10, TWP 15 S, RNG 21 E

N 00°29'26" E 1324.49' (C)

N 00°29'26" E 1324.61' (F)

N 00°29'26" E 1324.70' (C)

FOUND 4"x4" C.M. NW CORNER OF SE 1/4 OF SW 1/4 OF SECTION 10, TWP 15 S, RNG 21 E

(8)

CP 219

240

CP 244

CP 262

CP 263

CP 264

1" = 200'

1275.45' (C)

N 89°42'08" W 1325.45' (F)

NORTH BOUNDARY OF SW 1/4 OF SW 1/4 OF SECTION 10, TWP 15 S, RNG 21 E

PARCEL ID No. 21670-000-00

EXIST. 20' TCE

EXIST. 35' UE

EXIST. 20'x5' GUY EASEMENT (TYP., 3 THIS SHEET)

PC STA. 240+54.96

CP 125

CP 275

PI STA. 240+35.54

STA. 240+28.07 ℄ NW 46th Avenue = STA. 14+86.12 From LS 87

NORTH BOUNDARY OF SE 1/4 OF SW 1/4 OF SECTION 10, TWP 15 S, RNG 21 E

1275.34' (C)

N 89°39'05" W 1325.34' (F)

PARCEL ID No. 21676-000-00

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
----	----		

NOEL JOHN COOPER, P.E.
P.E. LICENSE NUMBER 69534
STATE OF FLORIDA, DATE: _____
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Gary Anson 4/6/2023 6:12:38 PM T:_sd-ENG-Engineering-Department-Common\Interdisicplinary Projects\2020\20106 - NW 44th Ave (SR40-4000 ft

NW 44th AVENUE EXTENSION PHASE 2

PROJECT OVERVIEW (2)

SHEET NO. 9

Point Table

PT. NO.	POINT DESCRIPTION	(X) EASTING	(Y) NORTHING	SCALE FACTOR	CONVERGENCE	LATITUDE	LONGITUDE	BASELINE STATION	OFFSET	(Z) (NGVD) ELEVATION
14	CIRC /C00 CP	593057.149	1764044.513	0.99994574	-000° 05' 47"	029° 11' 10.285"	-082° 11' 52.012"	40+01.30	69.38 Rt	70.42
94	CNL /C00BM AKA TP23	592971.643	1764069.038	0.99994575	-000° 05' 48"	029° 11' 10.526"	-082° 11' 52.977"	39+15.56	46.76 Rt	71.34
125	CIRC /C0ED FD	593156.732	1768561.020	0.99994573	-000° 05' 47"	029° 11' 55.001"	-082° 11' 50.974"	244+91.77	52.17 Lt	66.08
204	CIRC /C00CP	592673.961	1764457.748	0.99994580	-000° 05' 49"	029° 11' 14.370"	-082° 11' 56.343"	204+96.71	319.43 Lt	73.77
207	CIRC /C00CP	592771.366	1765402.477	0.99994578	-000° 05' 49"	029° 11' 23.724"	-082° 11' 55.262"	213+12.25	148.01 Lt	65.52
210	IRC /C00CP	592388.279	1765884.374	0.99994584	-000° 05' 51"	029° 11' 28.489"	-082° 11' 59.593"	215+88.31	612.59 Lt	68.39
213	CIRC /C00CP	592942.820	1766614.792	0.99994576	-000° 05' 48"	029° 11' 35.730"	-082° 11' 53.351"	225+51.53	145.54 Lt	76.44
214	CIRC /C00CP	592979.910	1766100.013	0.99994575	-000° 05' 48"	029° 11' 30.634"	-082° 11' 52.922"	220+37.14	103.33 Lt	71.79
216	CIRC /C00CP	592902.278	1766973.743	0.99994576	-000° 05' 48"	029° 11' 39.283"	-082° 11' 53.815"	229+10.32	189.38 Lt	75.94
217	CIRC /C00CP	592619.060	1767317.157	0.99994580	-000° 05' 50"	029° 11' 42.678"	-082° 11' 57.017"	232+51.30	475.52 Lt	71.65
218	CIRC /C00CP	593003.072	1767195.348	0.99994575	-000° 05' 48"	029° 11' 41.478"	-082° 11' 52.682"	231+32.78	90.48 Lt	72.84
219	CIRC /C00CP	593031.056	1767943.948	0.99994574	-000° 05' 48"	029° 11' 48.890"	-082° 11' 52.380"	238+81.59	68.91 Lt	72.24
244	CIRC /C00CP	591900.780	1768056.893	0.99994591	-000° 05' 54"	029° 11' 49.989"	-082° 12' 05.136"	2+53.18	6.86 Lt	64.23
262	CNL /C00BM AKA TP10	591911.517	1767821.835	0.99994591	-000° 05' 54"	029° 11' 47.662"	-082° 12' 05.010"	0+18.35	8.19 Rt	65.90
263	CNL /C00CP AKATP8	592222.451	1768061.667	0.99994586	-000° 05' 52"	029° 11' 50.042"	-082° 12' 01.506"	6+07.33	33.32 Rt	65.76
264	CIRC /C00CP AKA TP7	592648.132	1768066.334	0.99994580	-000° 05' 50"	029° 11' 50.095"	-082° 11' 56.703"	10+33.17	26.16 Rt	71.61
275	CNL /C00BM AKA TBMK1	593170.140	1768334.533	0.99994572	-000° 05' 47"	029° 11' 52.759"	-082° 11' 50.818"	242+85.22	40.31 Rt	66.53
287	CIRC /C00CP	593225.244	1764155.647	0.99994572	-000° 05' 46"	029° 11' 11.388"	-082° 11' 50.117"	41+67.59	44.26 Lt	68.69
747	CIRC /SET 5/8" C00 CP	592867.893	1765252.128	0.99994577	-000° 05' 48"	029° 11' 22.237"	-082° 11' 54.170"	211+62.89	49.96 Lt	64.25
748	CIRC /C00CP	593114.478	1764334.070	0.99994573	-000° 05' 47"	029° 11' 13.153"	-082° 11' 51.370"	202+14.14	58.30 Rt	68.33
749	CIRC /C00CP	593059.950	1764334.028	0.99994574	-000° 05' 47"	029° 11' 13.151"	-082° 11' 51.986"	202+19.80	4.10 Rt	69.50
750	CIRC /SET 5/8" C00 CP	592581.981	1765422.256	0.99994581	-000° 05' 50"	029° 11' 23.917"	-082° 11' 57.399"	213+30.11	337.58 Lt	66.90
761	CIRC /C00 CP	593037.690	1766026.318	0.99994574	-000° 05' 47"	029° 11' 29.905"	-082° 11' 52.269"	219+60.57	42.75 Lt	71.23
787	CIRC /SET C00CP	592872.323	1767658.140	0.99994577	-000° 05' 48"	029° 11' 46.058"	-082° 11' 54.166"	235+94.44	225.19 Lt	73.63

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
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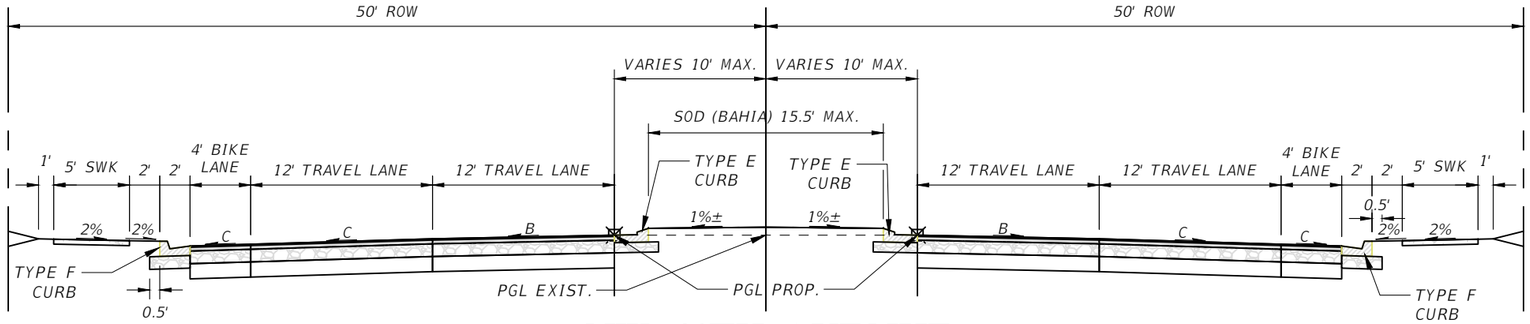
SW/NW 44th AVENUE EXTENSION PHASE 2

SURVEY CONTROL POINTS

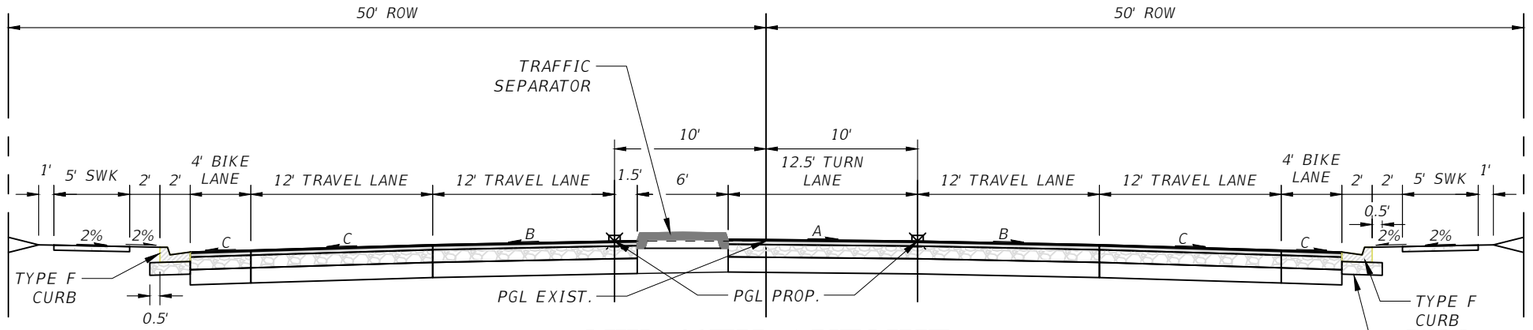
SHEET NO. 10

4/6/2023 6:12:50 PM T:_sd-ENG-Engineering-Department-Common\Interdisicplinary Projects\2020\20106 - NW 44th Ave (SR40-4000 ft



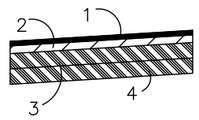
NW 46TH AVENUE

MAINLINE SECTION
GRADES AS NOTED IN TABLE ON SHEET 12



NW 46TH AVENUE

NORTHBOUND LEFT TURN LANE SECTION
(MIRROR FOR SOUTHBOUND LEFT TURN LANE)
GRADES AS NOTED IN TABLE ON SHEET 12

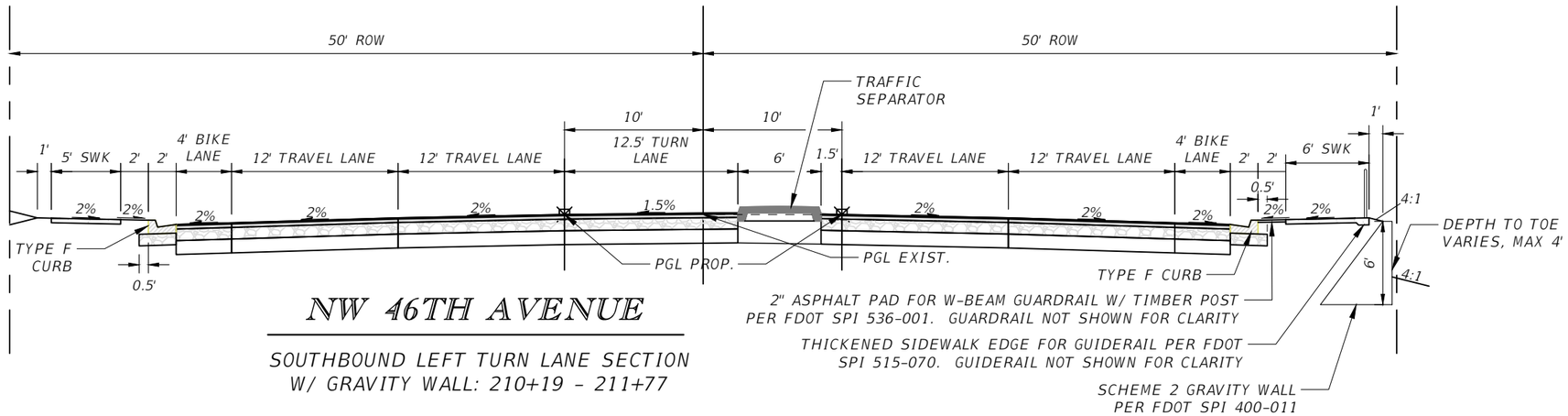


ASPHALT PAVEMENT DETAIL

NOT TO SCALE

ASPHALT KEYNOTE LEGEND

1. 1" FC 9 FRICTIONAL ASPHALT
2. 3" SP 12.5 STRUCTURAL ASPHALT
3. 10" LIMEROCK BASE
4. 12" STABILIZED SUB-GRADE



NW 46TH AVENUE

SOUTHBOUND LEFT TURN LANE SECTION
W/ GRAVITY WALL: 210+19 - 211+77

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
12/1/22	REVISED TURN LANE MINIMUM CROSS-SLOPE		
1/26/23	ADDED NOTES FOR CURBS AND SEPARATOR		

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NW 44th AVENUE EXTENSION PHASE 2

TYPICAL SECTIONS

SHEET NO. 11

Station	Description	SB Outside & Bike Lane [C]	Inside Lane [B]	Turn Lane [A]	Inside Lane [B]	NB Outside & Bike Lane [C]
200+32.00'	Edge of Exist. Pavement	1.40%	1.40%	1.40%	-1.40%	-1.40%
200+83.76'	Level Crown	0.00%	0.00%	0.00%	0.00%	0.00%
201+50.00'	Point of Curvature					
201+55.80'	Reverse Crown	-2.00%	-2.00%	-2.00%	2.00%	2.00%
201+66.56'	Begin Full Superelevation	-2.30%	-2.30%	-2.30%	2.30%	2.30%
203+71.13'	End Full Superelevation	-2.30%	-2.30%		2.30%	2.30%
203+97.19'	Point of Tangency					
204+43.58'	Level Crown	0.00%	0.00%		0.00%	0.00%
204+89.96'	Point of Curvature					
205+16.03'	Begin Full Superelevation	2.30%	2.30%		-2.30%	-2.30%
207+18.20'	End Full Superelevation	2.30%	2.30%		-2.30%	-2.30%
207+28.96'	Reverse Crown	2.00%	2.00%		-2.00%	-2.00%
207+34.76'	Point of Tangency					
208+01.00'	Level Crown	0.00%	0.00%		-2.00%	-2.00%
208+37.40'	Begin Driveway Intersection	*-1.50%*	*-1.50%*		*-1.50%*	*-1.50%*
209+65.40'	End Driveway Intersection	*-1.50%*	*-1.50%*	*-1.50%*	*-1.50%*	*-1.50%*
210+01.40'	Begin Normal Crown	-2.00%	-2.00%	*-1.50%*	-2.00%	-2.00%
213+49.21'	Point of Curvature	-2.00%	-2.00%		-2.00%	-2.00%
216+82.48'	Point of Reverse Curvature	-2.00%	-2.00%		-2.00%	-2.00%
220+15.89'	Point of Tangency	-2.00%	-2.00%		-2.00%	-2.00%
220+66.29'	Begin Lane Grade Break	-2.00%	-2.00%		-2.00%	-2.00%
221+08.29'	Begin Normal Crown	-3.00%	-2.00%		-2.00%	-3.00%
238+31.76'	End Normal Crown	-3.00%	-2.00%	*-1.50%*	-2.00%	-3.00%
238+67.76'	End Lane Grade Break	-2.00%	-2.00%	*-1.50%*	-2.00%	-2.00%
239+39.76'	Level Crown	0.00%	0.00%	-0.40%	-2.00%	-2.00%
240+35.25'	Exist. Edge of Pavement	1.82%	1.82%		-2.03%	-2.03%
240+54.96'	Exist. Point of Curvature	2.93%	2.93%		-3.17%	-3.17%

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION
12/1/22	REVISED MINIMUM STANDARD SLOPE TO 1.5%		

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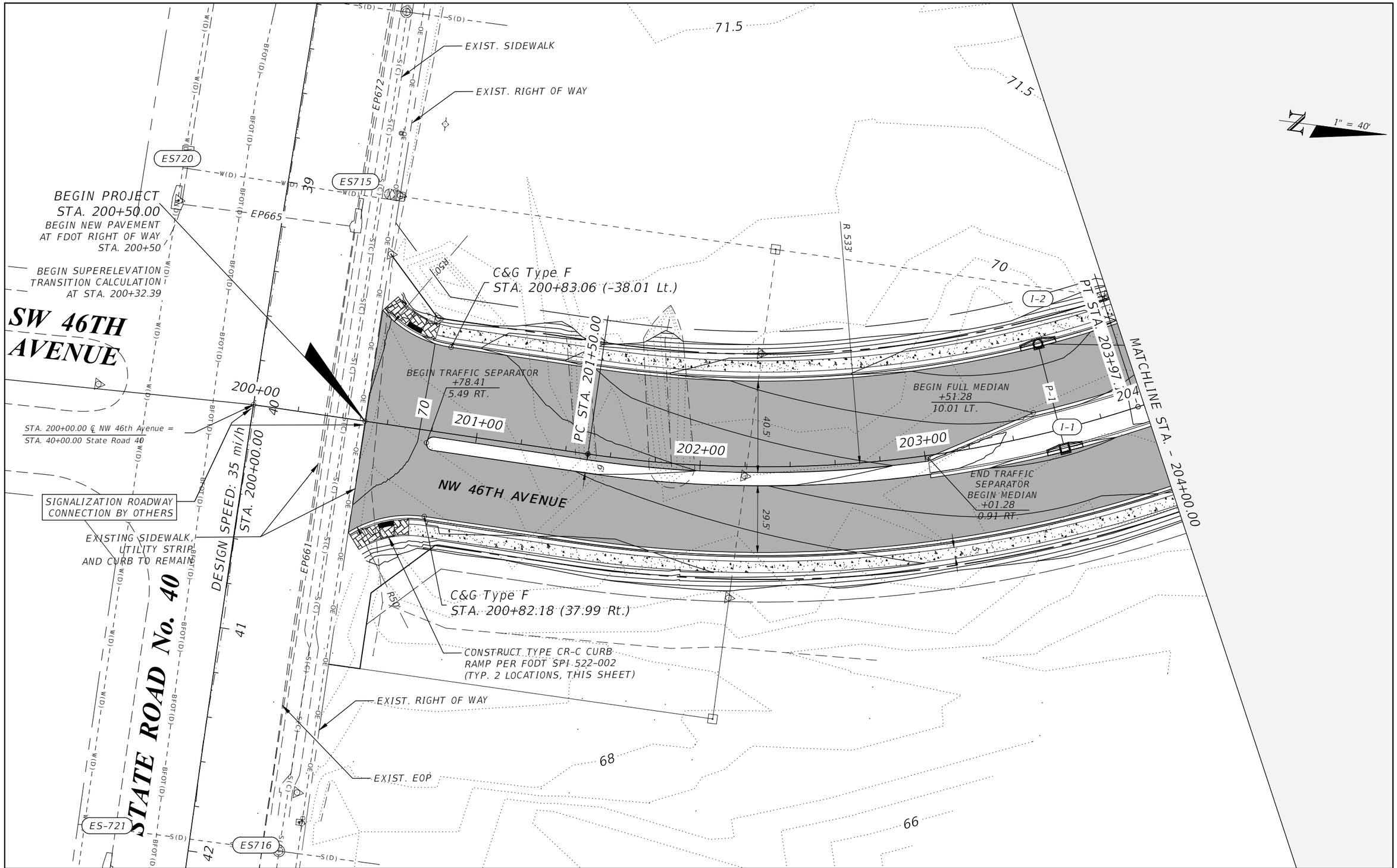
NW 44th AVENUE EXTENSION PHASE 2

TYPICAL SECTIONS

SHEET NO. 12



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
11/30/22	Added Match Exist		
2/9/23	Revised Project's Starting Point		
3/13/23	Added Note For Sidewalk & Other Entities To Remain		

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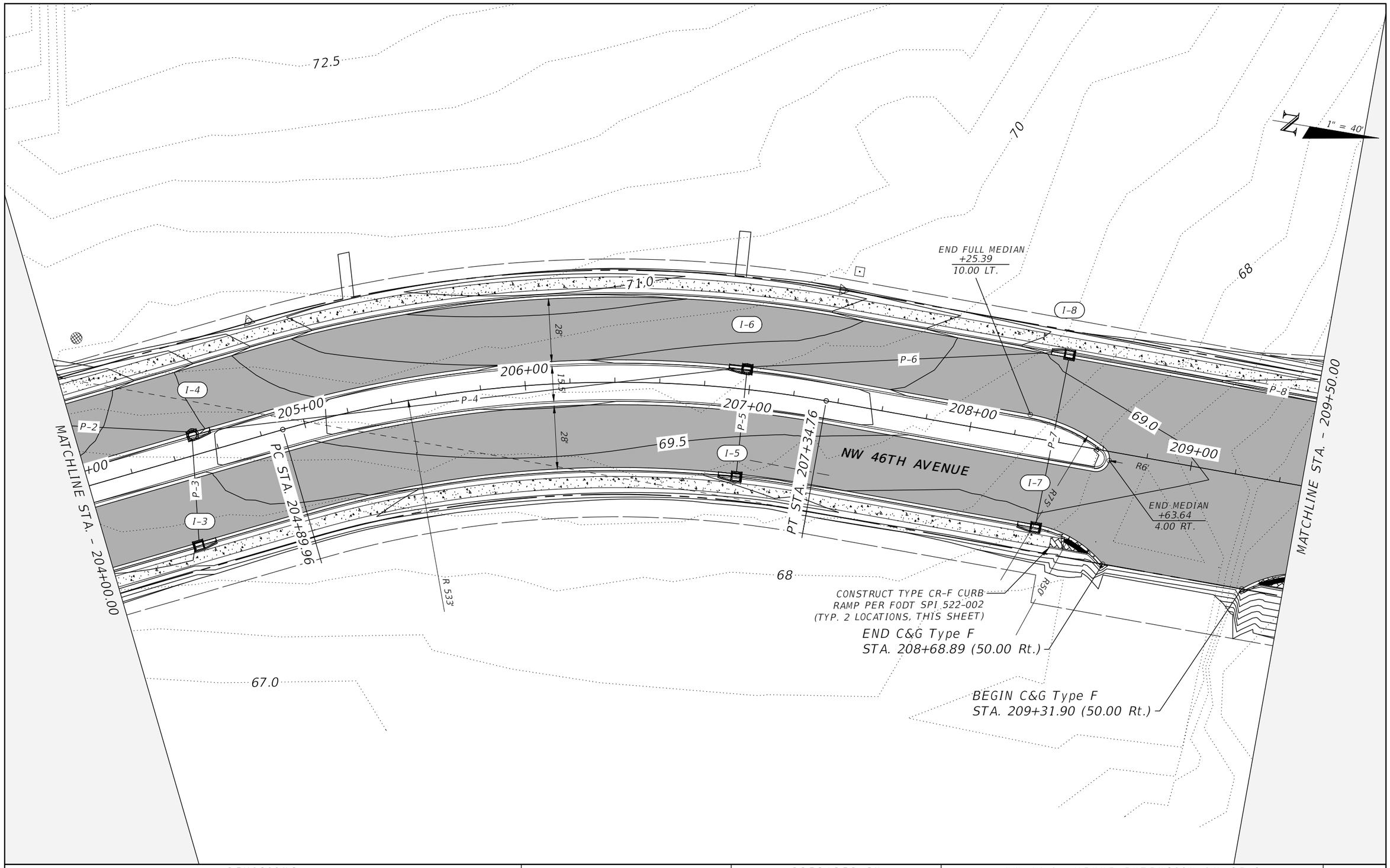
NW 44th AVENUE EXTENSION PHASE 2

ROADWAY PLAN (1)

SHEET NO. 13

Gary Anson 4/6/2023 6:13:40 PM T:_sd-ENG-Engineering-Department-Common\Interdisicplinary Projects\2020\20106 - NW 44th Ave (SR40-4000 ft



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
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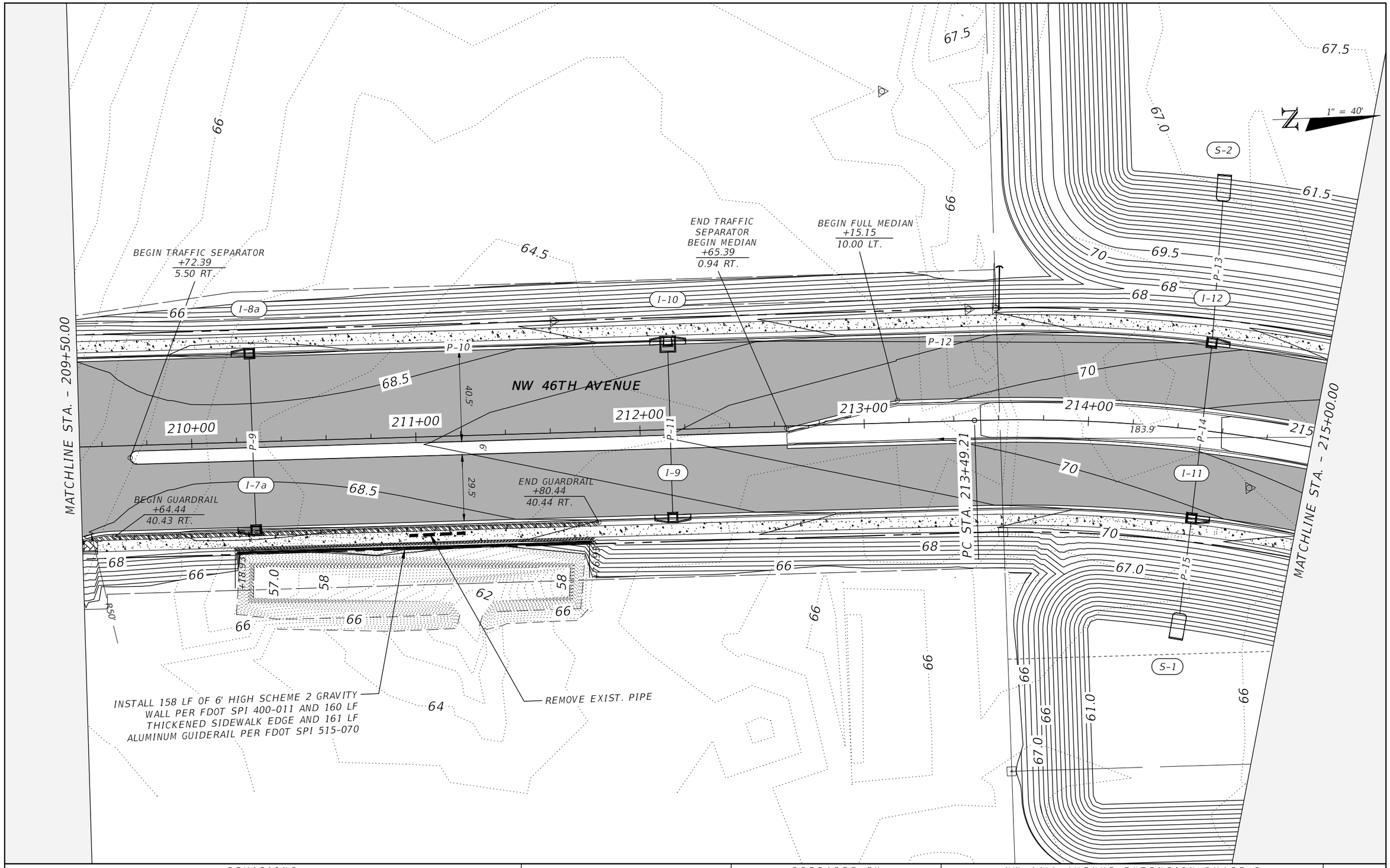
NW 44th AVENUE EXTENSION PHASE 2

ROADWAY PLAN (2)

SHEET NO. 14

Gary Anson 4/6/2023 6:13:42 PM T:_sd-ENG-Engineering-Department-Common\Interdisicplinary Projects\2020\20106 - NW 44th Ave (SR40-4000 ft



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
4/6/23	Revised text for guiderail		

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NW 44th AVENUE EXTENSION PHASE 2

ROADWAY PLAN (3)

SHEET NO. 15

Gary Anson 4/6/2023 6:13:44 PM T:_sd-ENG-Engineering-Department-Common\Interdisicplinary Projects\2020\20106 - NW 44th Ave (SR40-4000 ft

N

1" = 40'

MATCHLINE STA. – 215+00.00

MATCHLINE STA. – 220+50.00

PT STA 220+15.89

PRC STA. 216+82.48

NW 46TH AVENUE

S-3

I-13

I-14

I-15

I-16

P-16

P-17

P-18

P-19

P-20

R=695'

331'

28'

215+00

216+00

217+00

218+00

219+00

220+00

61.0

65.0

65.5

67.0

68

69.0

69.5

70

71.5

72

73.0

74

1" = 40'

MATCHLINE STA. 220+50.00

MATCHLINE STA. 226+00.00

NW 46TH AVENUE

I-17 I-18 I-19 I-20

P-21 P-22 P-23 P-24

221+00 222+00 223+00 224+00 225+00 226

28' 28' 5'

DESIGN SPEED: 50 mi/h

STA. 221+10.00

71.0 73.0 73.5 74 75.0 76 78 80 72 72.5 64 106 104 100 98 97.0

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
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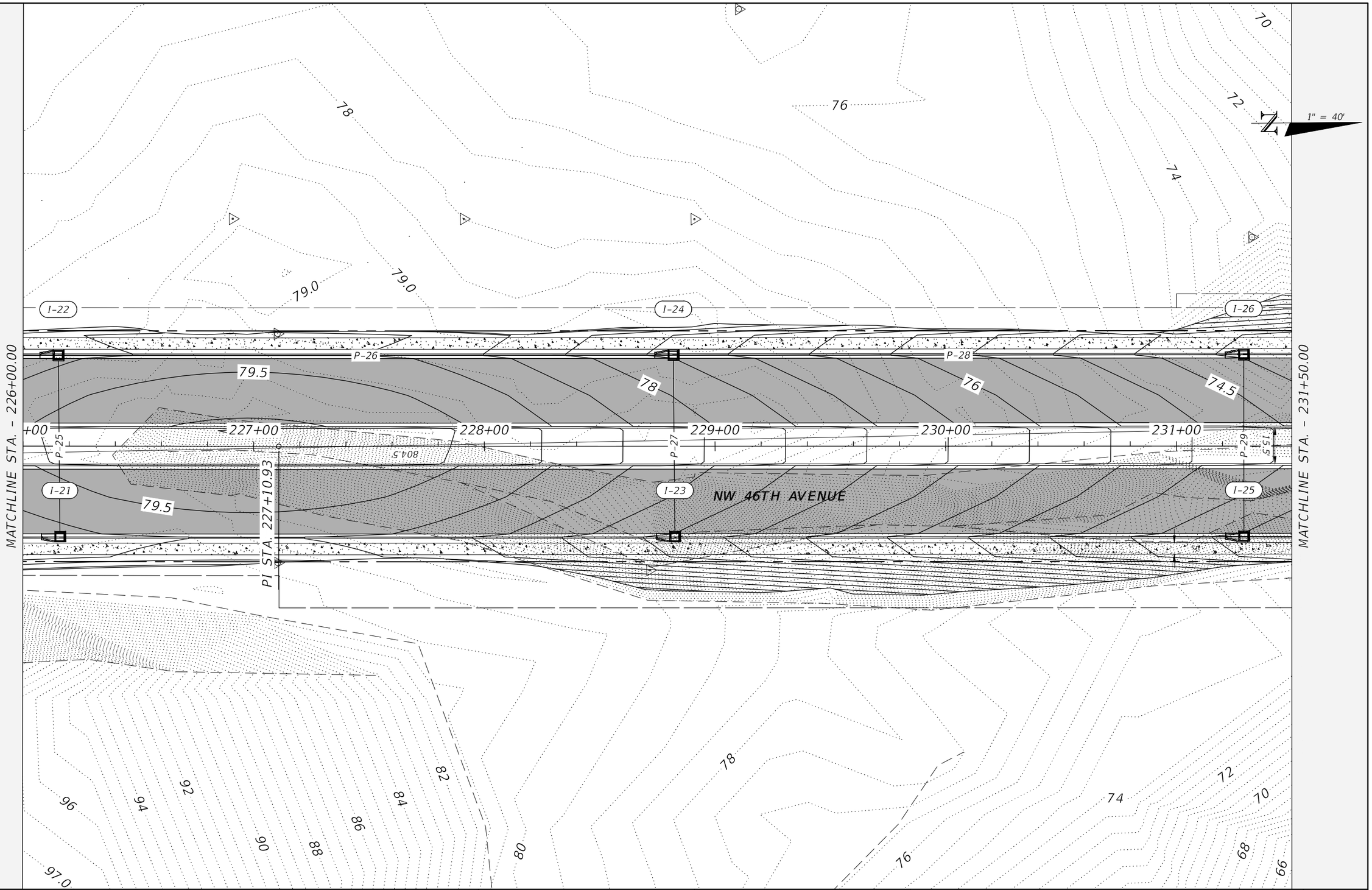
NW 44th AVENUE EXTENSION PHASE 2

ROADWAY PLAN (5)

SHEET NO. 17

Gary Anson 4/6/2023 6:13:47 PM T:_sd-ENG-Engineering-Department-Common\Interdisicplinary Projects\2020\20106 - NW 44th Ave (SR40-4000 ft



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
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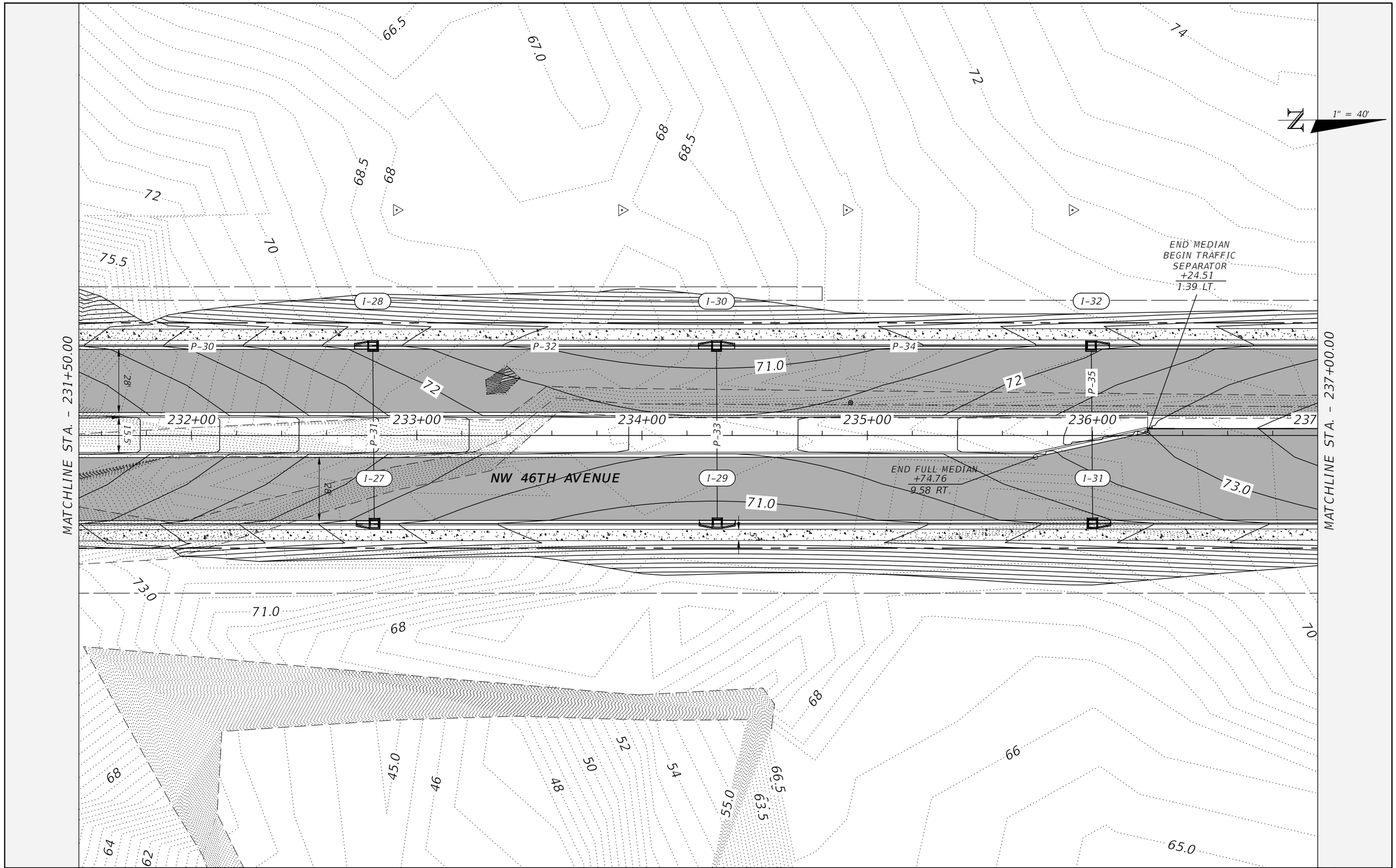
NW 44th AVENUE EXTENSION PHASE 2

ROADWAY PLAN (6)

SHEET NO. 18

Gary Anson 4/6/2023 6:13:49 PM T:_sd-ENG-Engineering-Department-Common\Interdisicplinary Projects\2020\20106 - NW 44th Ave (SR40-4000 ft



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
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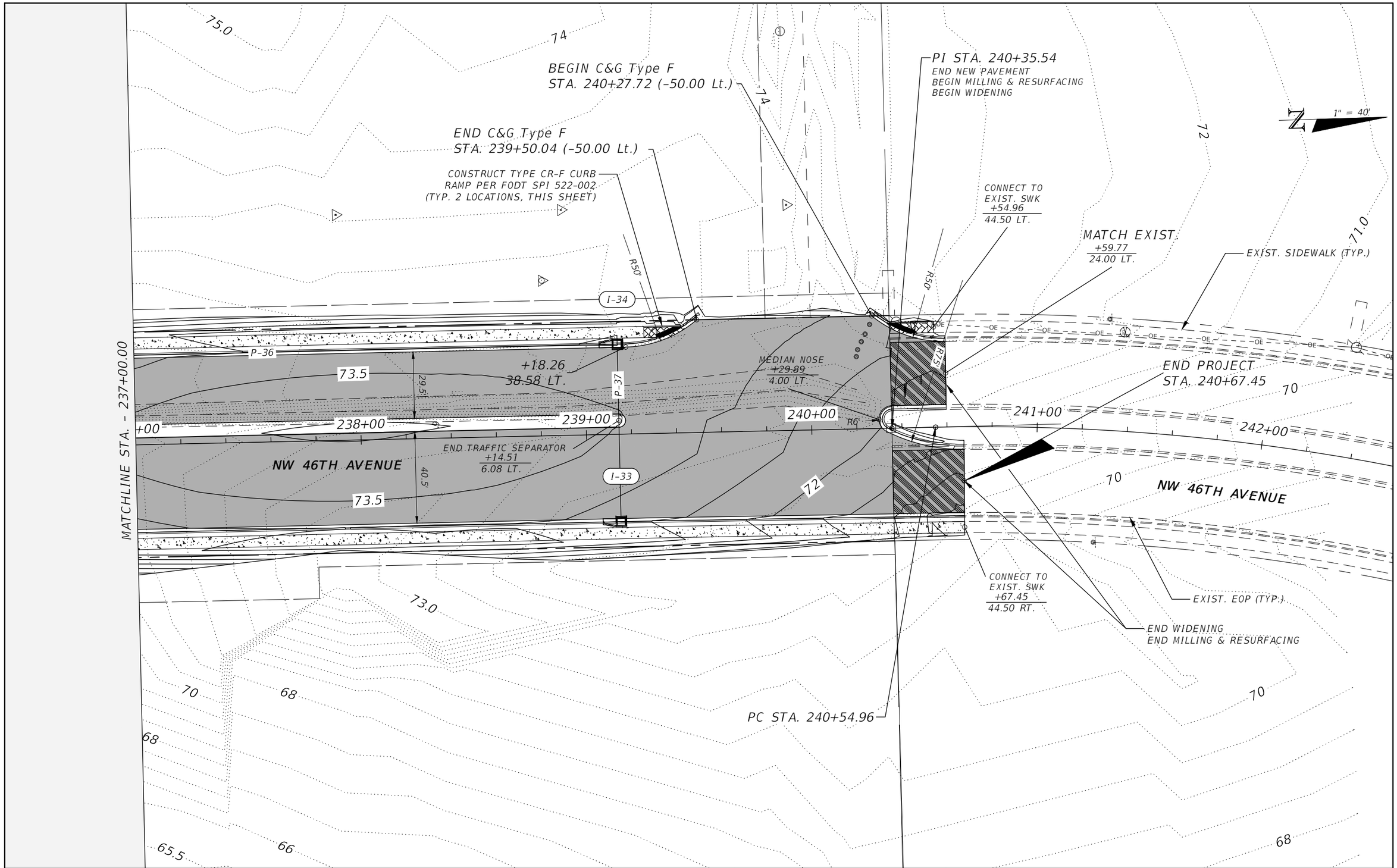
NW 44th AVENUE EXTENSION PHASE 2

ROADWAY PLAN (7)

SHEET NO. 19

Gary Anson 4/6/2023 6:13:51 PM T:_sd-ENG-Engineering-Department-Common\Interdisicplinary Projects\2020\20106 - NW 44th Ave (SR40-4000 ft



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
4/6/23	Revised hatch		

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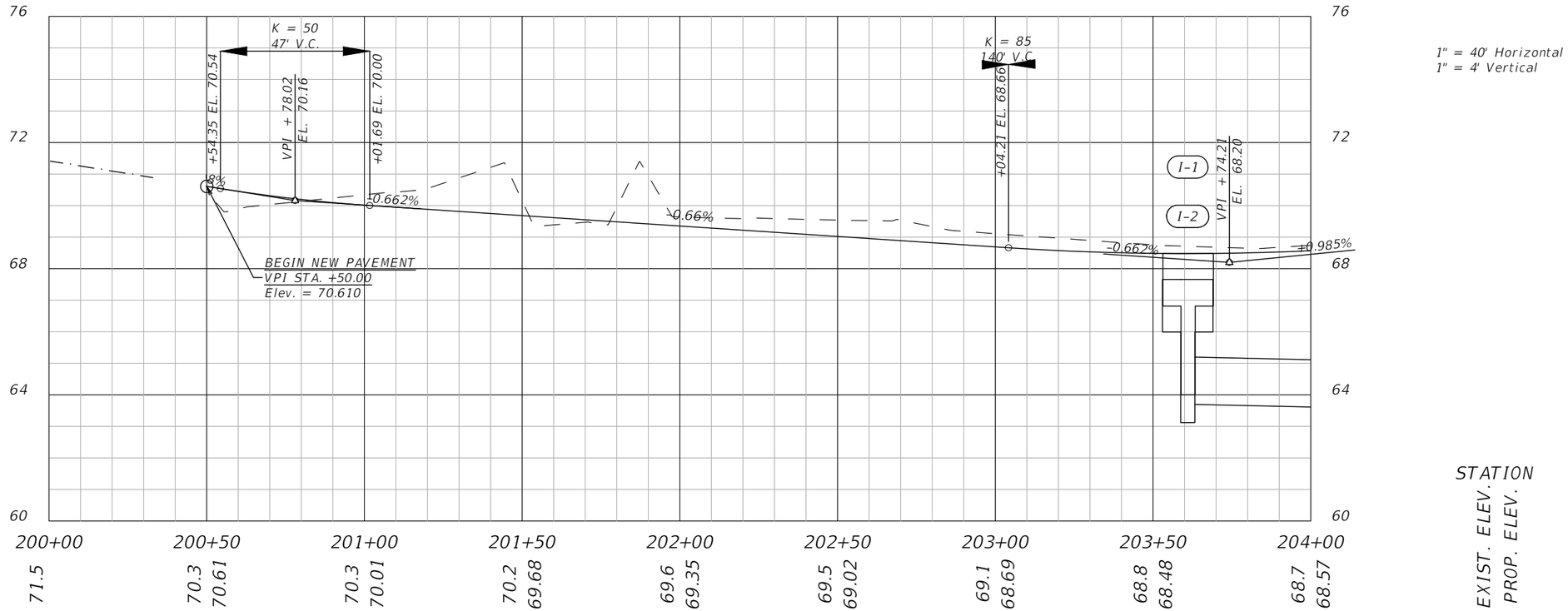
NW 44th AVENUE EXTENSION PHASE 2

ROADWAY PLAN (8)

SHEET NO. 20

4/6/2023 6:13:53 PM T:_sd-ENG-Engineering-Department-Common\Interdisicplinary Projects\2020\20106 - NW 44th Ave (SR40-4000 ft



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
02/09/23	Revised Project's Starting Point		

NOEL JOHN COOPER, P.E.
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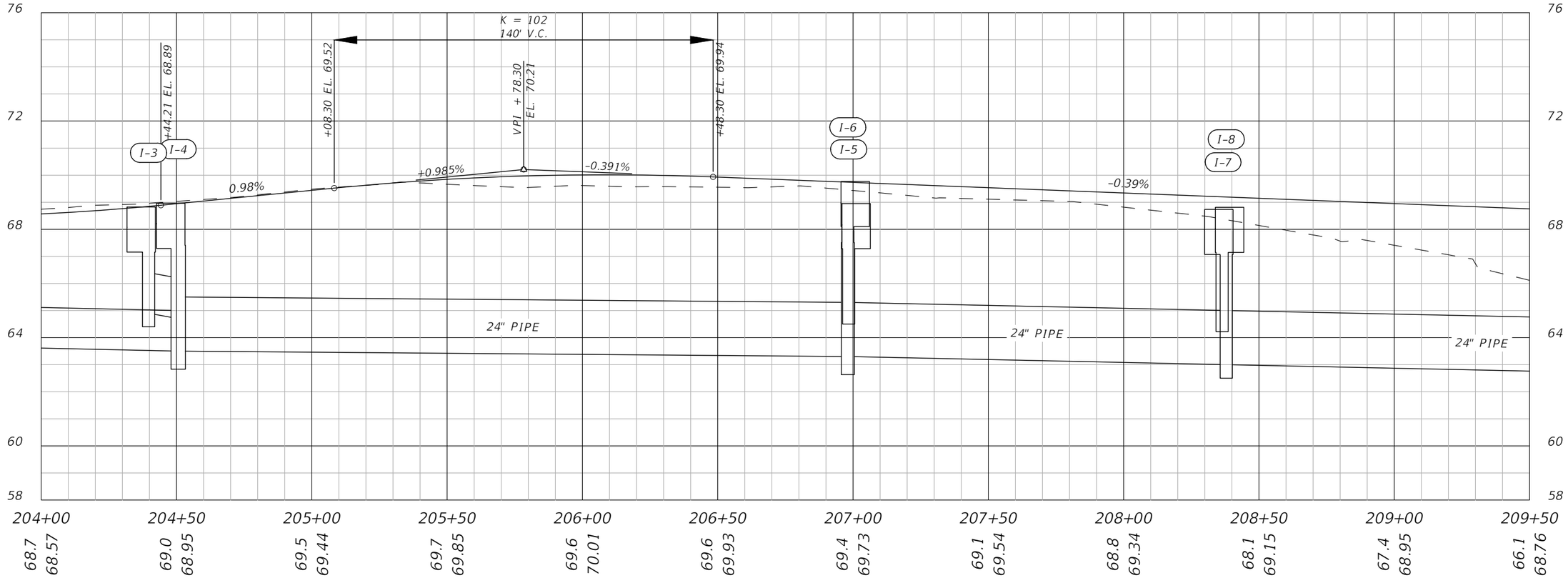
NW 44th AVENUE EXTENSION PHASE 2

ROADWAY PROFILES (1)

SHEET NO. 21

4/6/2023 6:14:11 PM T:_sd-ENG-Engineering-Department-Common\Interdisicplinary Projects\2020\20106 - NW 44th Ave (SR40-4000 ft

1" = 40' Horizontal
1" = 4' Vertical



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
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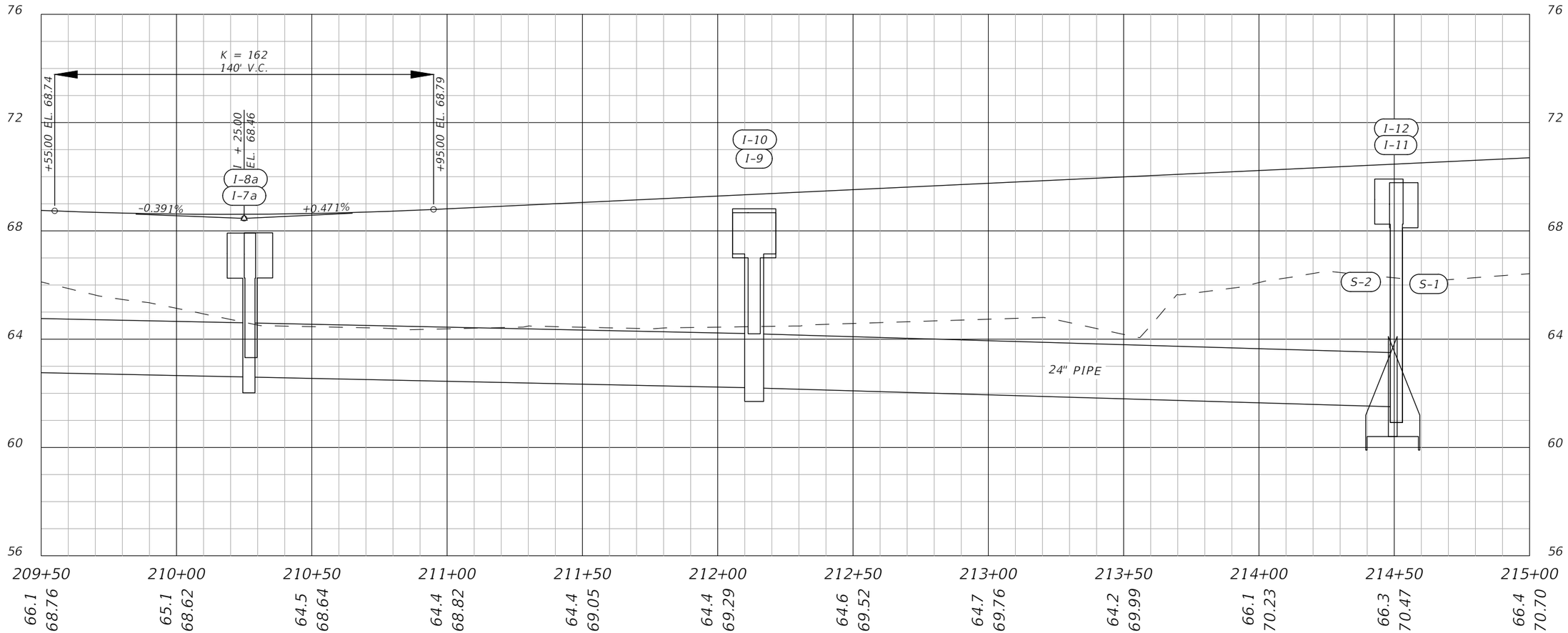
NW 44th AVENUE EXTENSION PHASE 2

ROADWAY PROFILES
(2)

SHEET NO. 22

Gary Anson 4/6/2023 6:14:12 PM T:_sd-ENG-Engineering-Department-Common\Interdisicplinary Projects\2020\20106 - NW 44th Ave (SR40-4000 ft

1" = 40' Horizontal
1" = 4' Vertical



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
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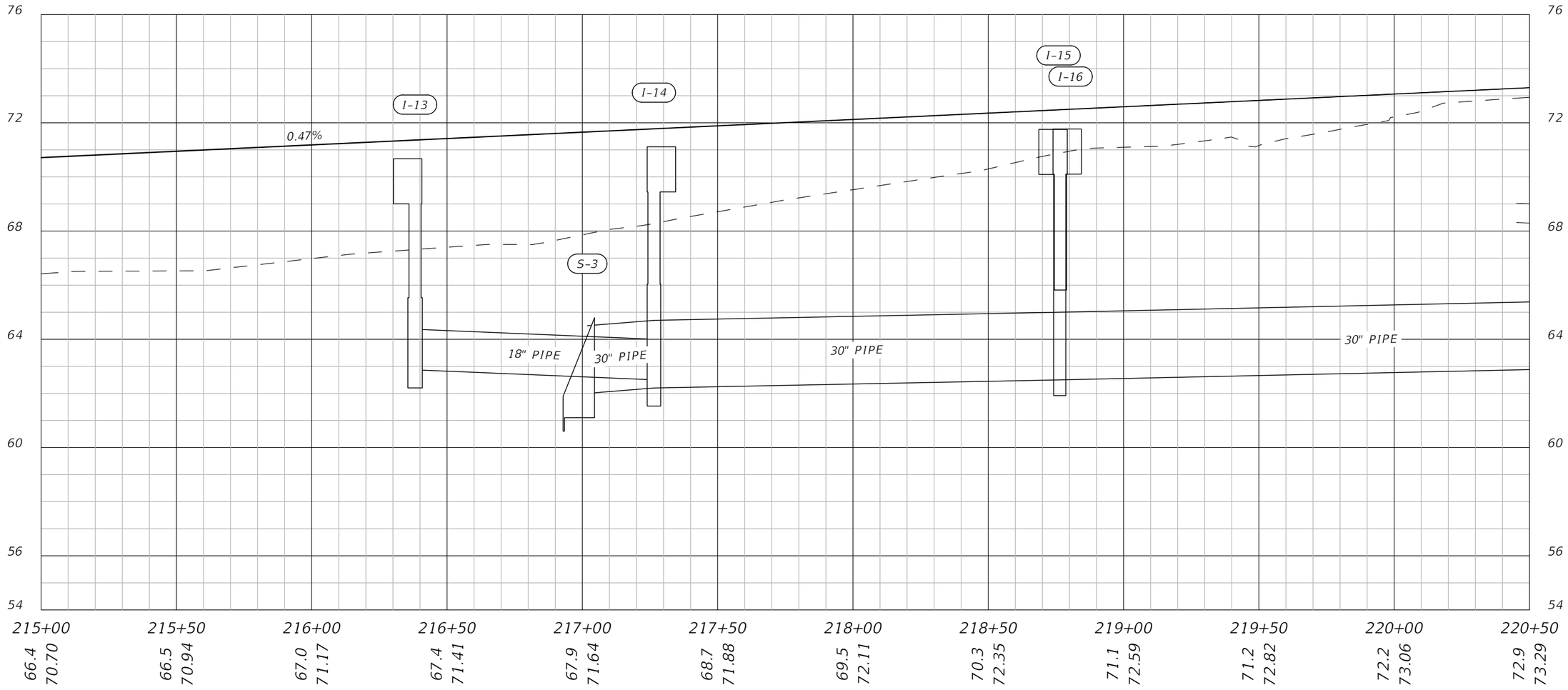
NW 44th AVENUE EXTENSION PHASE 2

ROADWAY PROFILES
(3)

SHEET NO. 23

Gary Anson 4/6/2023 6:14:13 PM T:_sd-ENG-Engineering-Department-Common\Interdisicplinary Projects\2020\20106 - NW 44th Ave (SR40-4000 ft

1" = 40' Horizontal
1" = 4' Vertical



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
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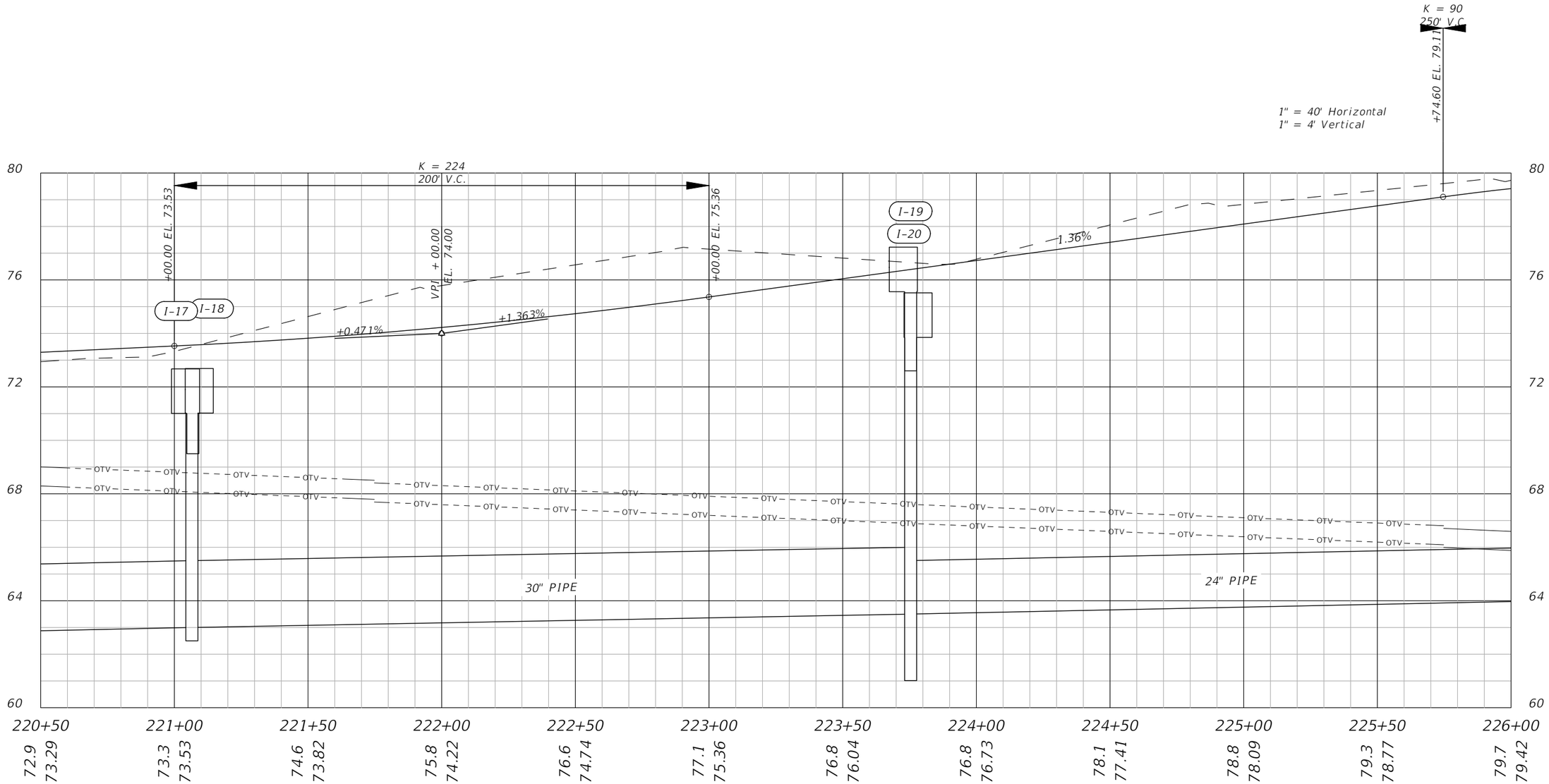
NW 44th AVENUE EXTENSION PHASE 2

ROADWAY PROFILES
(4)

SHEET NO. 24

4/6/2023 6:14:14 PM T:_sd-ENG-Engineering-Department-Common\Interdisicplinary Projects\2020\20106 - NW 44th Ave (SR40-4000 ft



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
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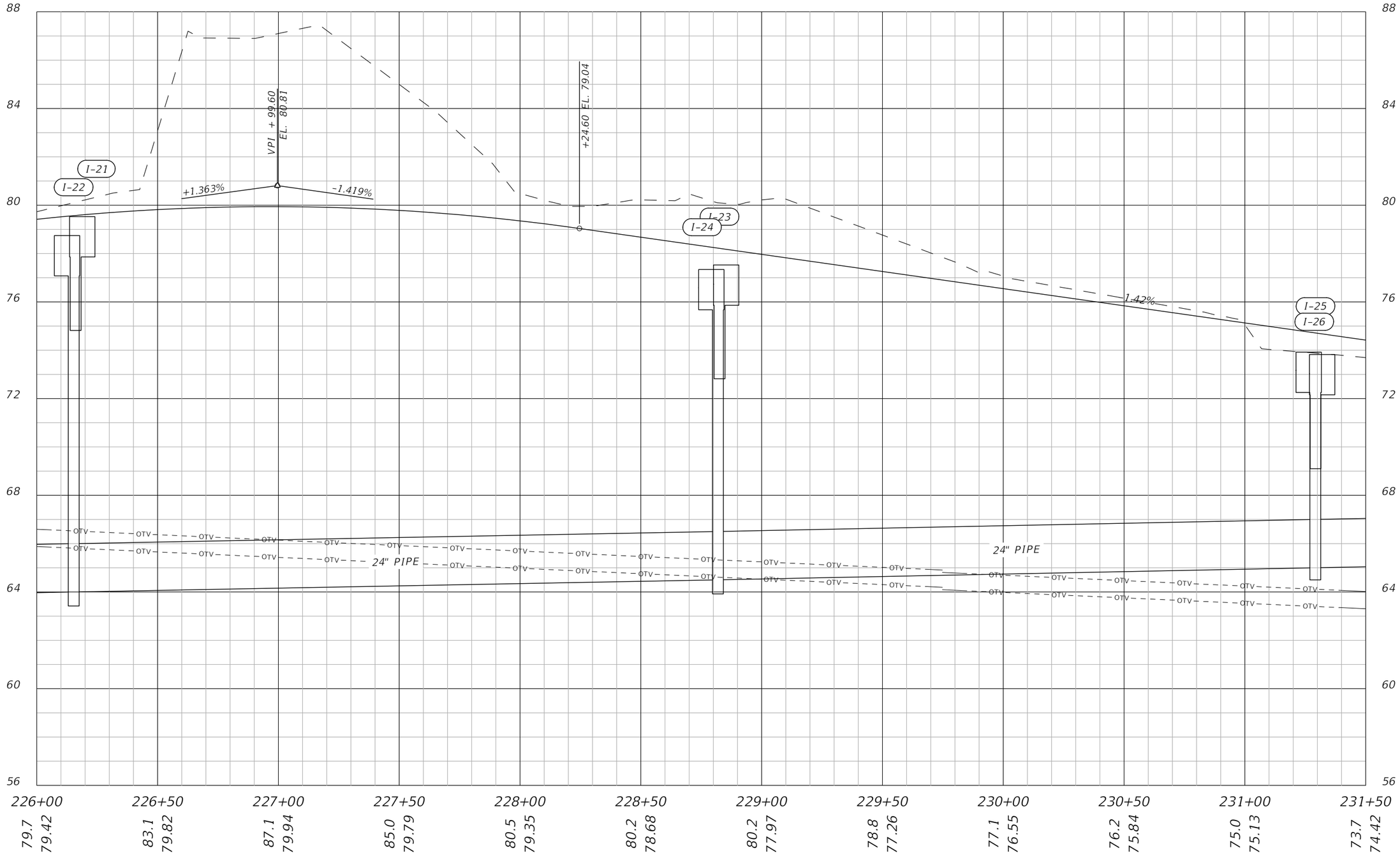
NW 44th AVENUE EXTENSION PHASE 2

ROADWAY PROFILES
(5)

SHEET NO. 25

Gary Anson 4/6/2023 6:14:15 PM T:_sd-ENG-Engineering-Department-Common\Interdisicplinary Projects\2020\20106 - NW 44th Ave (SR40-4000 ft

1" = 40' Horizontal
1" = 4' Vertical



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
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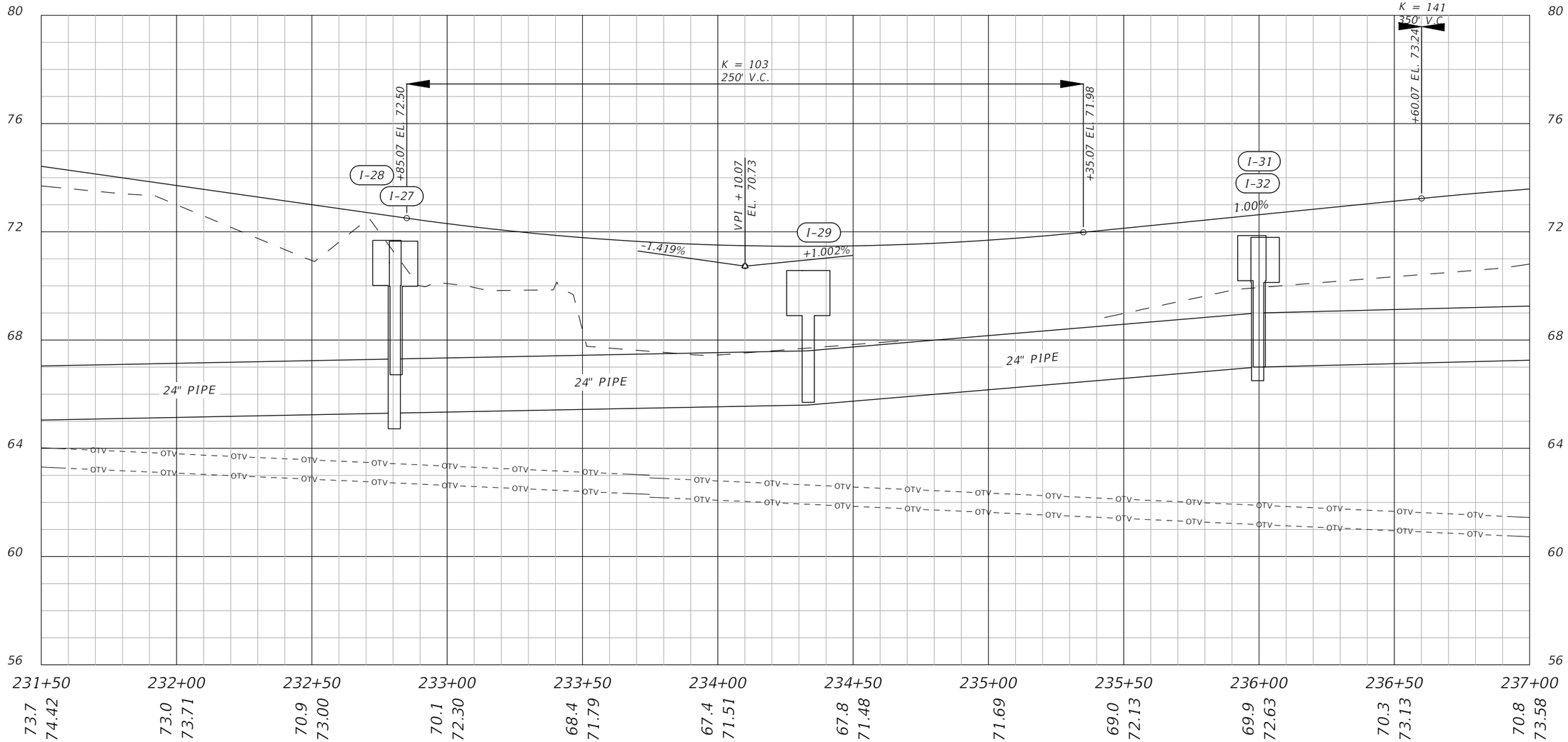
NW 44th AVENUE EXTENSION PHASE 2

ROADWAY PROFILES
(6)

SHEET NO. 26

Gary Anson 4/6/2023 6:14:16 PM T:_sd-ENG-Engineering-Department-Common\Interdisicplinary Projects\2020\20106 - NW 44th Ave (SR40-4000 ft

1" = 40' Horizontal
1" = 4' Vertical



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
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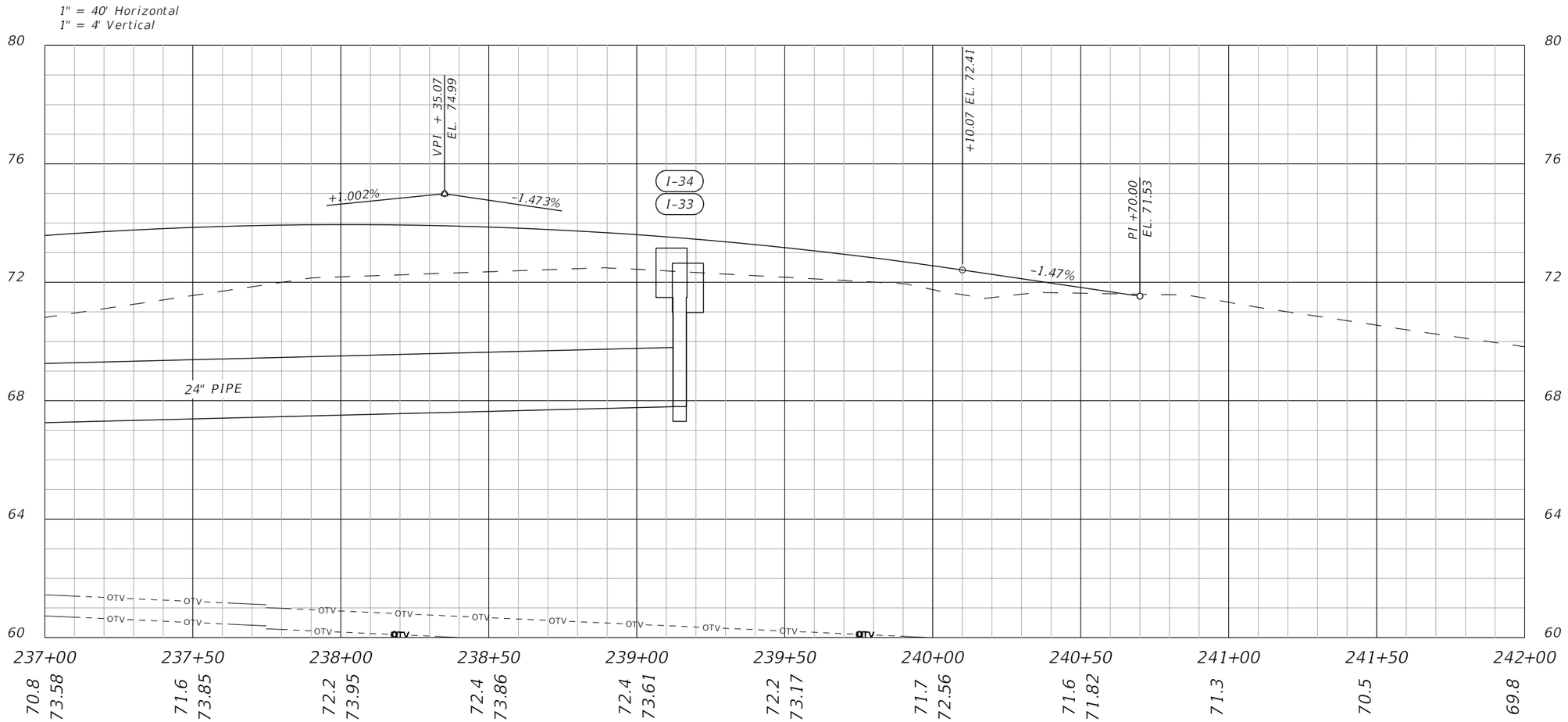
NW 44th AVENUE EXTENSION PHASE 2

ROADWAY PROFILES
(7)

SHEET NO. 27

Gary Anson 4/6/2023 6:14:17 PM T:_sd-ENG-Engineering-Department-Common\Interdisicplinary Projects\2020\20106 - NW 44th Ave (SR40-4000 ft



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
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NOEL JOHN COOPER, P.E.
P.E. LICENSE NUMBER 69534
STATE OF FLORIDA, DATE: _____
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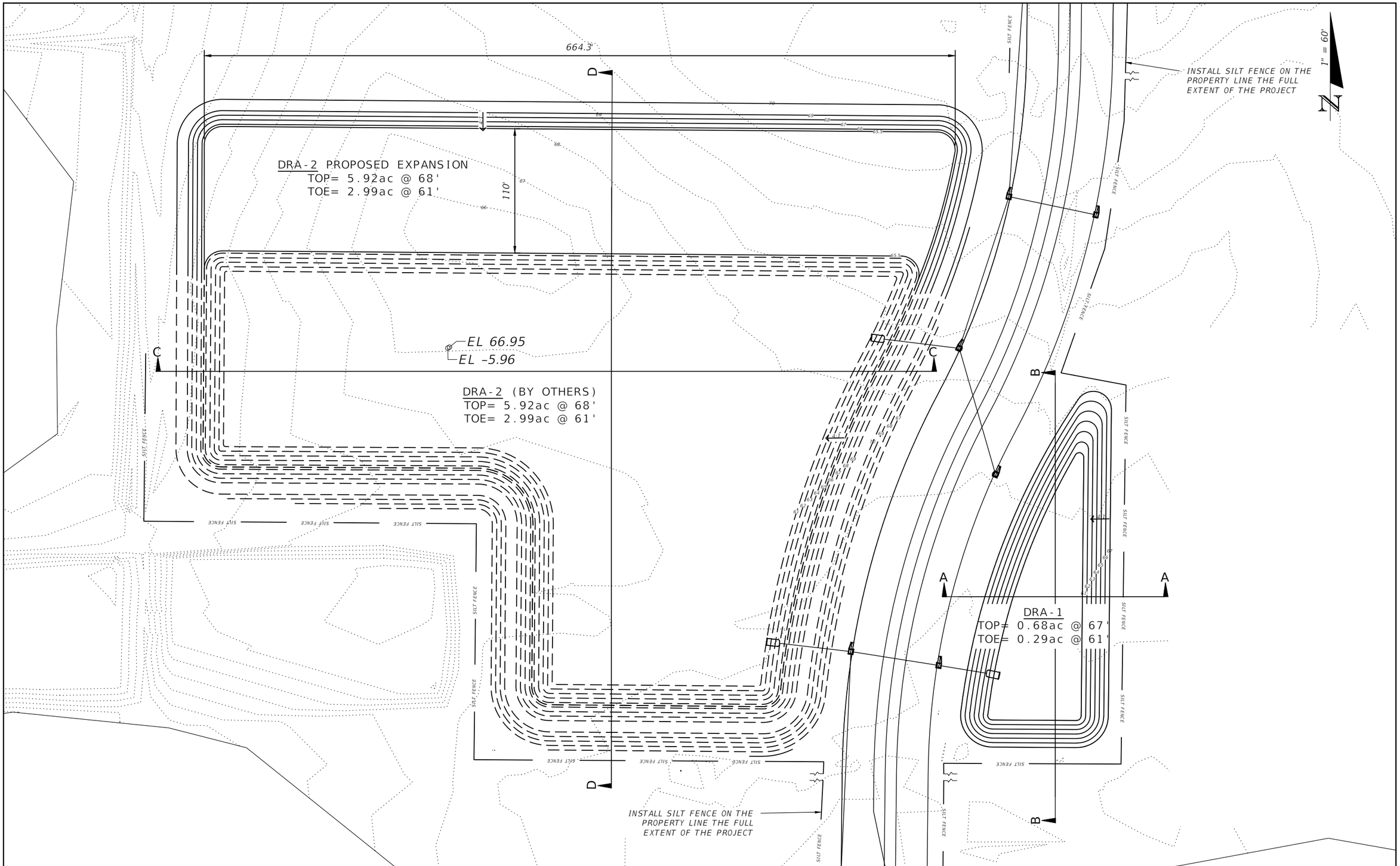
NW 44th AVENUE EXTENSION PHASE 2

ROADWAY PROFILES
(8)

SHEET NO. 28

Gary Anson 4/6/2023 6:14:18 PM T:_sd-ENG-Engineering-Department-Common\Interdisicplinary Projects\2020\20106 - NW 44th Ave (SR40-4000 ft



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
4/6/23	Revised DRA-2 display & text		

PAYAL PANDYA, P.E., CFM
P.E. LICENSE NUMBER 73210

1805 NE 30TH AVE
OCALA, FL 34470

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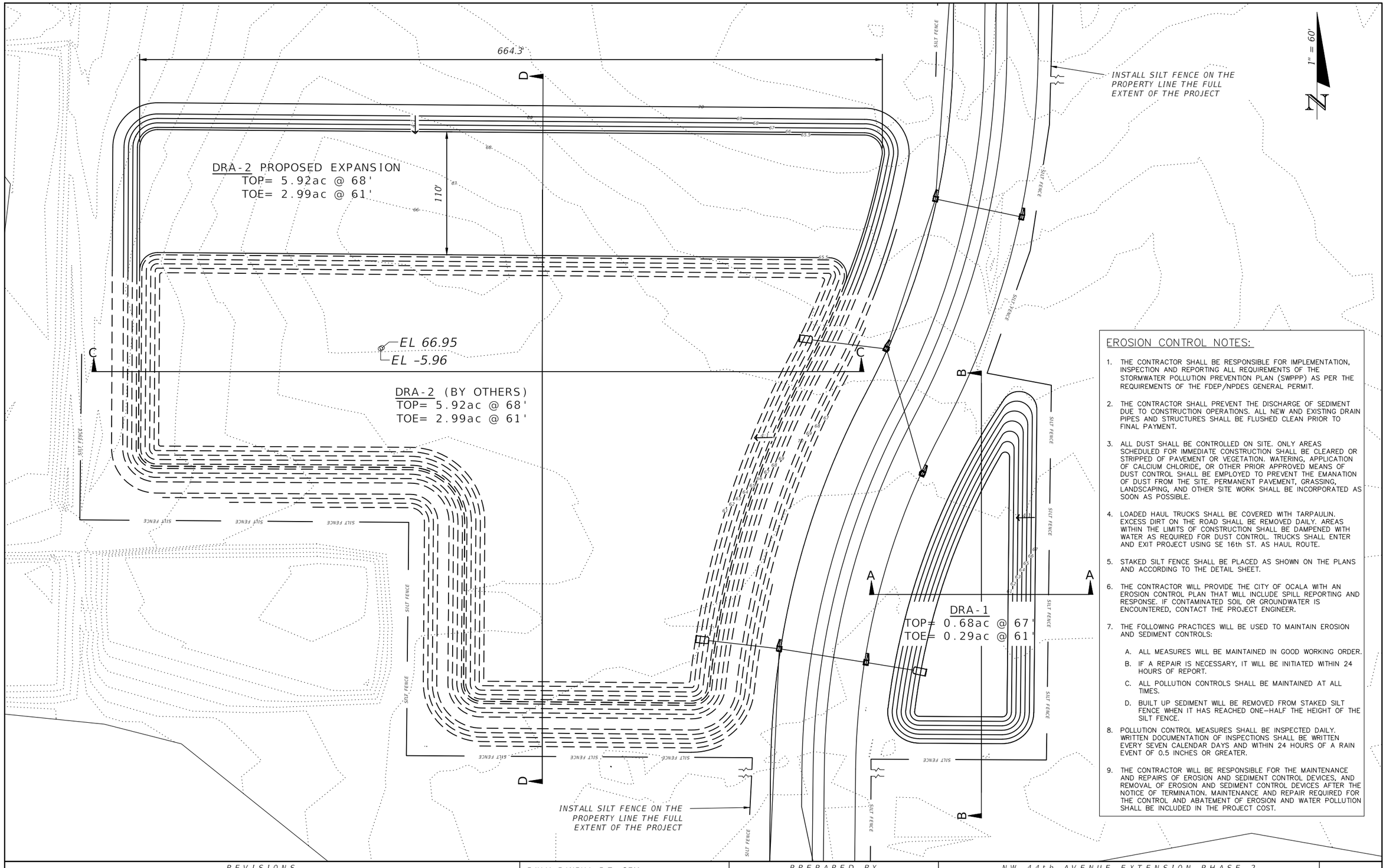
NW 44th AVENUE EXTENSION PHASE 2

DRAINAGE RETENTION PLAN

SHEET NO. 29

Gary Anson 4/6/2023 6:14:41 PM T:_sd-ENG-Engineering-Department-Common\Interdisciplinary Projects\2020\20106 - NW 44th Ave (SR40-4000 ft



EROSION CONTROL NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTATION, INSPECTION AND REPORTING ALL REQUIREMENTS OF THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) AS PER THE REQUIREMENTS OF THE FDEP/NPDES GENERAL PERMIT.
2. THE CONTRACTOR SHALL PREVENT THE DISCHARGE OF SEDIMENT DUE TO CONSTRUCTION OPERATIONS. ALL NEW AND EXISTING DRAIN PIPES AND STRUCTURES SHALL BE FLUSHED CLEAN PRIOR TO FINAL PAYMENT.
3. ALL DUST SHALL BE CONTROLLED ON SITE. ONLY AREAS SCHEDULED FOR IMMEDIATE CONSTRUCTION SHALL BE CLEARED OR STRIPPED OF PAVEMENT OR VEGETATION. WATERING, APPLICATION OF CALCIUM CHLORIDE, OR OTHER PRIOR APPROVED MEANS OF DUST CONTROL SHALL BE EMPLOYED TO PREVENT THE EMANATION OF DUST FROM THE SITE. PERMANENT PAVEMENT, GRASSING, LANDSCAPING, AND OTHER SITE WORK SHALL BE INCORPORATED AS SOON AS POSSIBLE.
4. LOADED HAUL TRUCKS SHALL BE COVERED WITH TARPAULIN. EXCESS DIRT ON THE ROAD SHALL BE REMOVED DAILY. AREAS WITHIN THE LIMITS OF CONSTRUCTION SHALL BE DAMPENED WITH WATER AS REQUIRED FOR DUST CONTROL. TRUCKS SHALL ENTER AND EXIT PROJECT USING SE 16th ST. AS HAUL ROUTE.
5. STAKED SILT FENCE SHALL BE PLACED AS SHOWN ON THE PLANS AND ACCORDING TO THE DETAIL SHEET.
6. THE CONTRACTOR WILL PROVIDE THE CITY OF OCALA WITH AN EROSION CONTROL PLAN THAT WILL INCLUDE SPILL REPORTING AND RESPONSE. IF CONTAMINATED SOIL OR GROUNDWATER IS ENCOUNTERED, CONTACT THE PROJECT ENGINEER.
7. THE FOLLOWING PRACTICES WILL BE USED TO MAINTAIN EROSION AND SEDIMENT CONTROLS:
   - A. ALL MEASURES WILL BE MAINTAINED IN GOOD WORKING ORDER.
   - B. IF A REPAIR IS NECESSARY, IT WILL BE INITIATED WITHIN 24 HOURS OF REPORT.
   - C. ALL POLLUTION CONTROLS SHALL BE MAINTAINED AT ALL TIMES.
   - D. BUILT UP SEDIMENT WILL BE REMOVED FROM STAKED SILT FENCE WHEN IT HAS REACHED ONE–HALF THE HEIGHT OF THE SILT FENCE.
8. POLLUTION CONTROL MEASURES SHALL BE INSPECTED DAILY. WRITTEN DOCUMENTATION OF INSPECTIONS SHALL BE WRITTEN EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF A RAIN EVENT OF 0.5 INCHES OR GREATER.
9. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE MAINTENANCE AND REPAIRS OF EROSION AND SEDIMENT CONTROL DEVICES, AND REMOVAL OF EROSION AND SEDIMENT CONTROL DEVICES AFTER THE NOTICE OF TERMINATION. MAINTENANCE AND REPAIR REQUIRED FOR THE CONTROL AND ABATEMENT OF EROSION AND WATER POLLUTION SHALL BE INCLUDED IN THE PROJECT COST.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
4/6/23	Revised DRA-2 & text		

PAYAL PANDYA, P.E., CFM
P.E. LICENSE NUMBER 73210

1805 NE 30TH AVE
OCALA, FL 34470

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CITY ENGINEER'S OFFICE

NW 44th AVENUE EXTENSION PHASE 2

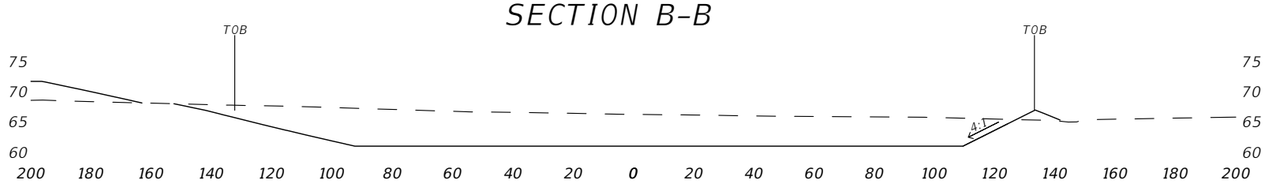
STORM WATER POLLUTION PREVENTION PLAN

SHEET NO. 29A

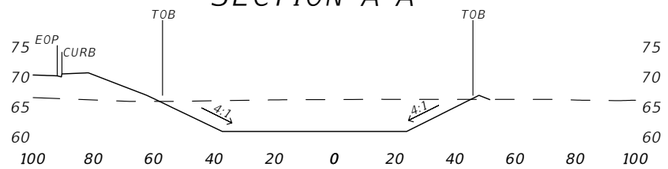
Gary Anson 4/6/2023 6:14:43 PM T:_sd-ENG-Engineering-Department-Common\Interdisicplinary Projects\2020\20106 - NW 44th Ave (SR40-4000 ft

DRA 1

SECTION B-B

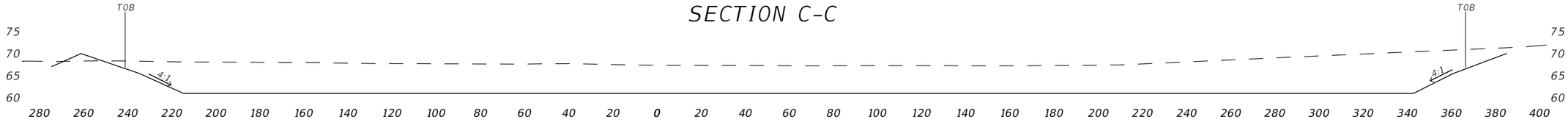


SECTION A-A

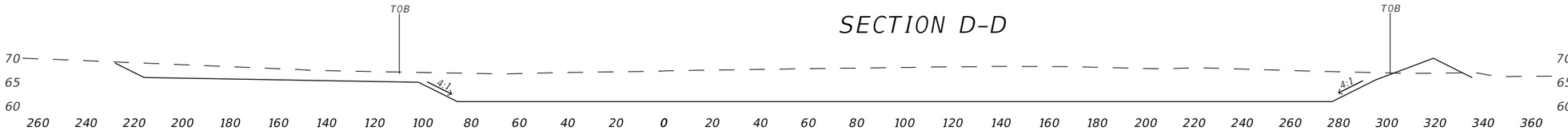


DRA 2

SECTION C-C



SECTION D-D



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
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PAYAL PANDYA, P.E., CFM
P.E. LICENSE NUMBER 73210

1805 NE 30TH AVE
OCALA, FL 34470

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NW 44th AVENUE EXTENSION PHASE 2

DRAINAGE CROSS-SECTIONS

SHEET NO. 30

STRUCTURE TABLE

QTY	STR. #	STATION	SIDE	DESCRIPTION	CON PIPE	RIM ELEV.	SUMP ELEV.
P	I-1	203+61.13	Rt.	Index No. 425-021 – Curb Inlet Type 6 with Rectangular Structure Bottom	P-1	68.48	64.50
P	I-2	203+61.00	Lt.	Index No. 425-021 – Curb Inlet Type 6 with Round Bottom	P-2 P-1	67.66	63.62
P	I-3	204+39.67	Rt.	Index No. 425-021 – Curb Inlet Type 5 (Left) with Rectangular Structure Bottom	P-3	68.83	64.90
P	I-4	204+50.62	Lt.	Index No. 425-021 – Curb Inlet Type 5 (Left) with Round Structure Bottom	P-4 P-2 P-3	68.96	63.50
P	I-5	206+98.38	Rt.	Index No. 425-021 – Curb Inlet Type 5 (Right) with Rectangular Structure Bottom	P-5	68.95	65.00
P	I-6	206+98.07	Lt.	Index No. 425-021 – Curb Inlet Type 5 (Right) with Round Structure Bottom	P-6 P-4 P-5	69.77	63.30
P	I-7	208+36.39	Rt.	Index No. 425-021 – Curb Inlet Type 5 (Right) with Rectangular Structure Bottom	P-7	68.81	64.72
P	I-7a	210+27.54	Rt.	Index No. 425-021 – Curb Inlet Type 5 (Right) with Rectangular Structure Bottom	P-9	67.93	63.82
P	I-8	208+37.92	Lt.	Index No. 425-021 – Curb Inlet Type 5 (Left) with Rectangular Structure Bottom	P-8 P-6 P-7	68.74	63.00
P	I-8a	210+26.74	Lt.	Index No. 425-021 – Curb Inlet Type 5 (Left) with Rectangular Structure Bottom	P-10 P-8 P-9	67.92	62.52
P	I-9	212+13.48	Rt.	Index No. 425-021 – Curb Inlet Type 6 with Rectangular Structure Bottom	P-11	68.67	64.70
P	I-10	212+13.47	Lt.	Index No. 425-021 – Curb Inlet Type 6 with Rectangular Structure Bottom	P-12 P-10 P-11	68.82	62.20
P	I-11	214+50.77	Rt.	Index No. 425-021 – Curb Inlet Type 5 (Left) with Rectangular Structure Bottom	P-15 P-14	69.92	61.42
P	I-12	214+50.77	Lt.	Index No. 425-021 – Curb Inlet Type 5 (Right) with Rectangular Structure Bottom	P-14 P-13 P-12	69.78	61.42
P	I-13	216+38.18	Rt.	Index No. 425-021 – Curb Inlet Type 5 (Left) with Round Structure Bottom	P-16	70.67	62.87
P	I-14	217+26.47	Lt.	Index No. 425-021 – Curb Inlet Type 5 (Right) with Round Structure Bottom	P-16 P-17 P-18	71.11	62.20
P	I-15	218+76.69	Rt.	Index No. 425-021 – Curb Inlet Type 5 (Left) with Rectangular Structure Bottom	P-19	71.76	66.32
P	I-16	218+76.42	Lt.	Index No. 425-021 – Curb Inlet Type 5 (Right) with Rectangular Structure Bottom	P-19 P-20 P-18	71.77	62.42
P	I-17	221+06.93	Rt.	Index No. 425-021 – Curb Inlet Type 5 (Left) with Rectangular Structure Bottom	P-21	72.67	70.00
P	I-18	221+06.56	Lt.	Index No. 425-021 – Curb Inlet Type 5 (Right) with Rectangular Structure Bottom	P-21 P-20 P-22	72.69	63.00

QTY	STR. #	STATION	SIDE	DESCRIPTION	CON PIPE	RIM ELEV.	SUMP ELEV.
P	I-19	223+75.43	Rt.	Index No. 425-021 – Curb Inlet Type 5 (Left) with Rectangular Structure Bottom	P-23	77.22	73.10
P	I-20	223+75.43	Lt.	Index No. 425-021 – Curb Inlet Type 5 (Right) with Rectangular Structure Bottom	P-23 P-22 P-24	75.52	61.51
P	I-21	226+16.07	Rt.	Index No. 425-021 – Curb Inlet Type 5 (Right) with Rectangular Structure Bottom	P-25	79.52	75.32
P	I-22	226+15.27	Lt.	Index No. 425-021 – Curb Inlet Type 5 (Left) with Rectangular Structure Bottom	P-25 P-24 P-26	78.74	63.92
P	I-23	228+82.58	Rt.	Index No. 425-021 – Curb Inlet Type 5 (Right) with Rectangular Structure Bottom	P-27	77.52	73.32
P	I-24	228+81.92	Lt.	Index No. 425-021 – Curb Inlet Type 5 (Left) with Rectangular Structure Bottom	P-27 P-26 P-28	77.34	64.42
P	I-25	231+29.24	Rt.	Index No. 425-021 – Curb Inlet Type 5 (Right) with Rectangular Structure Bottom	P-29	73.82	69.60
P	I-26	231+29.16	Lt.	Index No. 425-021 – Curb Inlet Type 5 (Left) with Rectangular Structure Bottom	P-29 P-28 P-30	73.92	65.00
P	I-27	232+81.14	Rt.	Index No. 425-021 – Curb Inlet Type 5 (Right) with Rectangular Structure Bottom	P-31	71.65	67.22
P	I-28	232+80.46	Lt.	Index No. 425-021 – Curb Inlet Type 5 (Left) with Rectangular Structure Bottom	P-30 P-32 P-31	71.68	65.22
P	I-29	234+33.43	Rt.	Index No. 425-021 – Curb Inlet Type 6 with Rectangular Structure Bottom	P-33	70.57	66.20
P	I-30	234+33.12	Lt.	Index No. 425-021 – Curb Inlet Type 6 with Rectangular Structure Bottom	P-33 P-32 P-34	70.27	65.52
P	I-31	236+00.11	Rt.	Index No. 425-021 – Curb Inlet Type 5 (Left) with Rectangular Structure Bottom	P-35	71.86	67.50
P	I-32	235+99.51	Lt.	Index No. 425-021 – Curb Inlet Type 5 (Right) with Rectangular Structure Bottom	P-35 P-34 P-36	71.79	67.00
P	I-33	239+14.53	Rt.	Index No. 425-021 – Curb Inlet Type 5 (Right) with Rectangular Structure Bottom	P-37	72.64	68.30
P	I-34	239+14.49	Lt.	Index No. 425-021 – Curb Inlet Type 5 (Left) with Rectangular Structure Bottom	P-37 P-36	73.15	67.80
P	S-1	214+50.44	Rt.	Index No. 430-021 – Cross Drain MES with 1:4 Slope – Single Round Conc. Pipe	P-15	64.09	???
P	S-2	214+48.43	Lt.	Index No. 430-021 – Cross Drain MES with 1:4 Slope – Single Round Conc. Pipe	P-13	64.09	???
P	S-3	217+01.86	Lt.	Index No. 430-021 – Cross Drain MES with 1:4 Slope – Single Round Conc. Pipe	P-17	64.79	???

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION
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PAYAL PANDYA, P.E., CFM
P.E. LICENSE NUMBER 73210
STATE OF FLORIDA, DATE: _____
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CITY ENGINEER'S OFFICE

Gary Anson 4/6/2023 6:15:13 PM T:_sd-ENG-Engineering-Department-Common\Interdisicplinary Projects\2020\20106 - NW 44th Ave (SR40-4000 ft

NW 44th AVENUE EXTENSION

SCHEDULE OF DRAINAGE STRUCTURES

SHEET NO. 31

PIPE TABLE

PIPE	STRT #	END #	SIDE	DESCRIPTION	SIZE INCHES	LENGTH	START ELEV.	END ELEV.
P-1	I-1	I-2	7.22 Rt.	18" SD PIPE CULVERT, OPT MATERIAL, ROUND	18.0"	48.01'	64.50	63.70
P-2	I-2	I-4	-39.26 Lt.	18" SD PIPE CULVERT, OPT MATERIAL, ROUND	18.0"	92.00'	63.70	63.50
P-3	I-3	I-4	39.64 Rt.	18" SD PIPE CULVERT, OPT MATERIAL, ROUND	18.0"	51.09'	64.90	64.70
P-4	I-4	I-6	-10.26 Lt.	24" SD PIPE CULVERT, OPT MATERIAL, ROUND	24.0"	249.43'	63.50	63.30
P-5	I-5	I-6	39.10 Rt.	18" SD PIPE CULVERT, OPT MATERIAL, ROUND	18.0"	49.08'	65.00	64.80
P-6	I-6	I-8	-9.98 Lt.	24" SD PIPE CULVERT, OPT MATERIAL, ROUND	24.0"	144.10'	63.30	63.00
P-8	I-8	I-8a	-40.70 Lt.	24" SD PIPE CULVERT, OPT MATERIAL, ROUND	24.0"	188.82'	63.00	62.60
P-11	I-9	I-10	39.62 Rt.	18" SD PIPE CULVERT, OPT MATERIAL, ROUND	18.0"	79.31'	64.70	64.50
P-12	I-10	I-12	-39.69 Lt.	24" SD PIPE CULVERT, OPT MATERIAL, ROUND	24.0"	242.80'	62.20	61.50
P-16	I-14	I-13	-39.25 Lt.	18" SD PIPE CULVERT, OPT MATERIAL, ROUND	18.0"	116.33'	62.50	62.87
P-18	I-14	I-16	-39.04 Lt.	30" SD PIPE CULVERT, OPT MATERIAL, ROUND	30.0"	141.22'	62.20	62.50
P-21	I-18	I-17	-39.25 Lt.	18" SD PIPE CULVERT, OPT MATERIAL, ROUND	18.0"	78.50'	69.80	70.00
P-20	I-18	I-16	-39.25 Lt.	30" SD PIPE CULVERT, OPT MATERIAL, ROUND	30.0"	221.76'	63.00	62.50
P-22	I-20	I-18	-39.25 Lt.	30" SD PIPE CULVERT, OPT MATERIAL, ROUND	30.0"	268.87'	63.50	63.00
P-23	I-20	I-19	-39.25 Lt.	18" SD PIPE CULVERT, OPT MATERIAL, ROUND	18.0"	78.50'	72.90	73.10
P-7	I-7	I-8	38.00 Rt.	18" SD PIPE CULVERT, OPT MATERIAL, ROUND	18.0"	77.26'	64.80	64.60
P-34	I-32	I-30	-39.68 Lt.	24" SD PIPE CULVERT, OPT MATERIAL, ROUND	24.0"	166.40'	67.00	65.60
P-32	I-30	I-28	-39.60 Lt.	24" SD PIPE CULVERT, OPT MATERIAL, ROUND	24.0"	152.65'	65.60	65.30
P-29	I-26	I-25	-39.45 Lt.	18" SD PIPE CULVERT, OPT MATERIAL, ROUND	18.0"	78.49'	69.40	69.60
P-37	I-34	I-33	-39.83 Lt.	18" SD PIPE CULVERT, OPT MATERIAL, ROUND	18.0"	78.50'	68.00	68.30

PIPE TABLE

PIPE	STRT #	END #	SIDE	DESCRIPTION	SIZE INCHES	LENGTH	START ELEV.	END ELEV.
P-35	I-32	I-31	-39.68 Lt.	18" SD PIPE CULVERT, OPT MATERIAL, ROUND	18.0"	78.63'	67.30	67.50
P-33	I-30	I-29	-39.60 Lt.	18" SD PIPE CULVERT, OPT MATERIAL, ROUND	18.0"	78.50'	66.00	66.20
P-28	I-26	I-24	-39.56 Lt.	24" SD PIPE CULVERT, OPT MATERIAL, ROUND	24.0"	247.24'	65.00	64.50
P-26	I-24	I-22	-39.42 Lt.	24" SD PIPE CULVERT, OPT MATERIAL, ROUND	24.0"	266.59'	64.50	64.00
P-24	I-22	I-20	-39.24 Lt.	24" SD PIPE CULVERT, OPT MATERIAL, ROUND	24.0"	239.85'	64.00	63.50
P-25	I-22	I-21	-39.24 Lt.	18" SD PIPE CULVERT, OPT MATERIAL, ROUND	18.0"	78.49'	75.20	75.40
P-27	I-24	I-23	-39.42 Lt.	18" SD PIPE CULVERT, OPT MATERIAL, ROUND	18.0"	78.58'	73.20	73.40
P-19	I-15	I-16	39.33 Rt.	18" SD PIPE CULVERT, OPT MATERIAL, ROUND	18.0"	78.67'	66.40	66.00
P-14	I-12	I-11	-39.24 Lt.	30" SD PIPE CULVERT, OPT MATERIAL, ROUND	30.0"	78.63'	61.50	61.50
P-15	I-11	S-1	39.39 Rt.	30" SD PIPE CULVERT, OPT MATERIAL, ROUND	30.0"	45.48'	61.50	61.30
P-13	I-12	S-2	-39.24 Lt.	30" SD PIPE CULVERT, OPT MATERIAL, ROUND	30.0"	66.23'	61.50	61.30
P-17	I-14	S-3	-39.04 Lt.	30" SD PIPE CULVERT, OPT MATERIAL, ROUND	30.0"	69.53'	62.20	62.00
P-36	I-34	I-32	-39.83 Lt.	24" SD PIPE CULVERT, OPT MATERIAL, ROUND	24.0"	314.98'	67.80	67.00
P-30	I-28	I-26	-39.61 Lt.	24" SD PIPE CULVERT, OPT MATERIAL, ROUND	24.0"	151.30'	65.30	65.00
P-31	I-27	I-28	39.06 Rt.	18" SD PIPE CULVERT, OPT MATERIAL, ROUND	18.0"	78.67'	67.30	67.00
P-10	I-8a	I-10	-39.34 Lt.	24" SD PIPE CULVERT, OPT MATERIAL, ROUND	24.0"	186.73'	62.60	62.20
P-9	I-7a	I-8a	39.33 Rt.	18" SD PIPE CULVERT, OPT MATERIAL, ROUND	18.0"	78.67'	63.90	63.70

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION
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PAYAL PANDYA, P.E., CFM
P.E. LICENSE NUMBER 73210
STATE OF FLORIDA, DATE: _____
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PREPARED BY

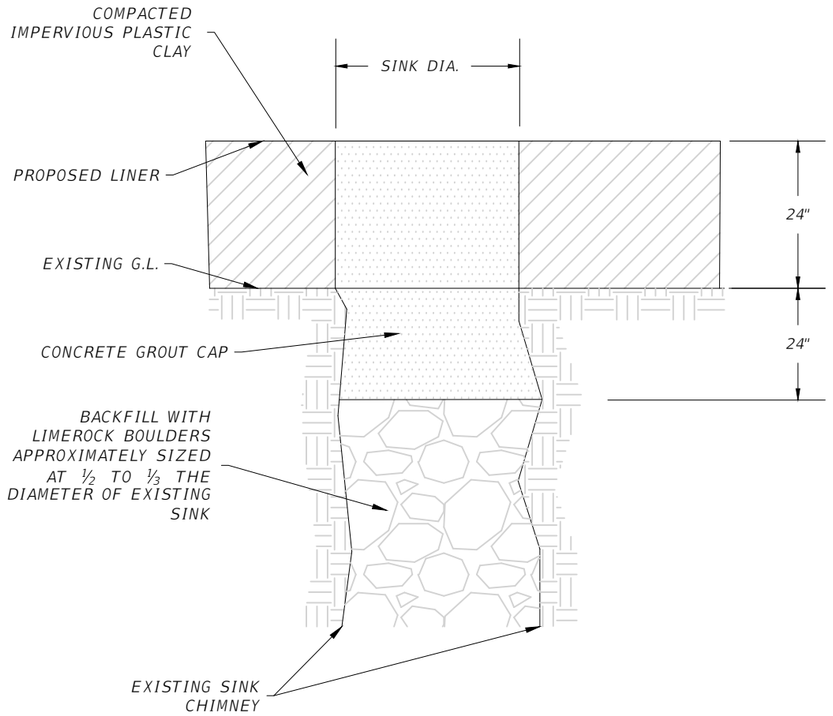
OCALA
City Engineer's Office

NW 44th AVENUE EXTENSION

PIPE SCHEDULE

SHEET NO. 32

Gary Anson 4/6/2023 6:15:17 PM T:_sd-ENG-Engineering-Department-Common\Interdisicplinary Projects\2020\20106 - NW 44th Ave (SR40-4000 ft



SOLUTION CHANNEL PLAN AT DRA

IF A SOLUTION CHANNEL IS EVIDENT AFTER EXCAVATING TO SLIGHTLY MORE THAN THREE FEET BELOW PROPOSED POND BOTTOM, ALLOW FOR PLASTIC CLAY PLACEMENT PLUS THREE FEET OF A-3 SAND AND FILL SOLUTION CHANNEL IN ACCORDANCE WITH TYPICAL SINK CHIMNEY REPAIR DETAIL.

CITY ENGINEER'S OFFICE
1805 NE 30TH AVE, BLDG #600
OCALA, FLORIDA 34470

CITY OF OCALA STANDARD DETAILS FOR CONSTRUCTION

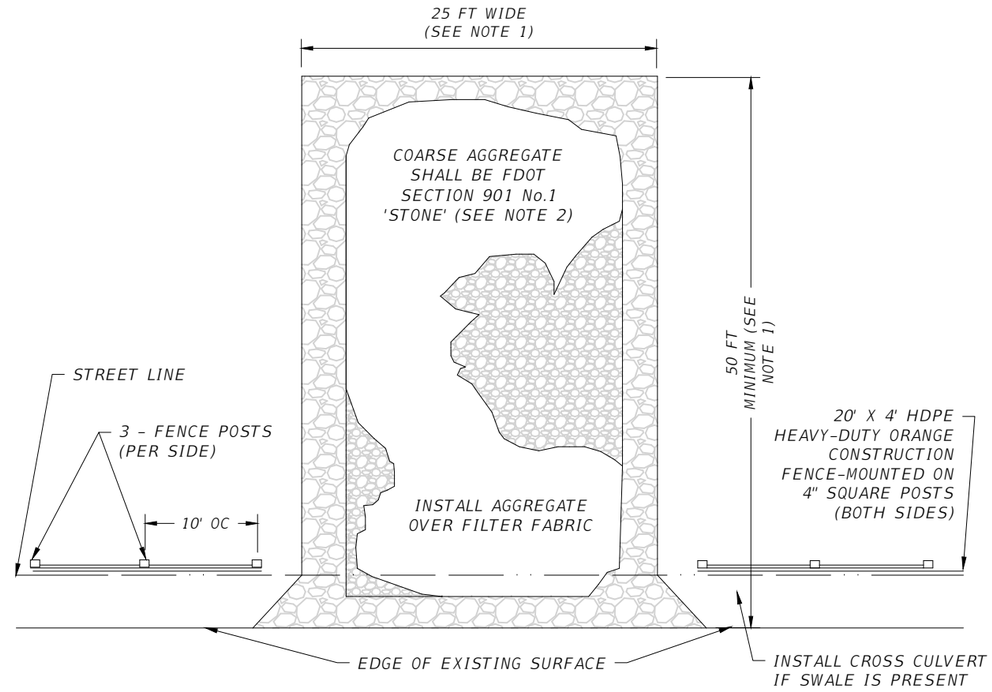
KARST

SINK CHIMNEY REPAIR

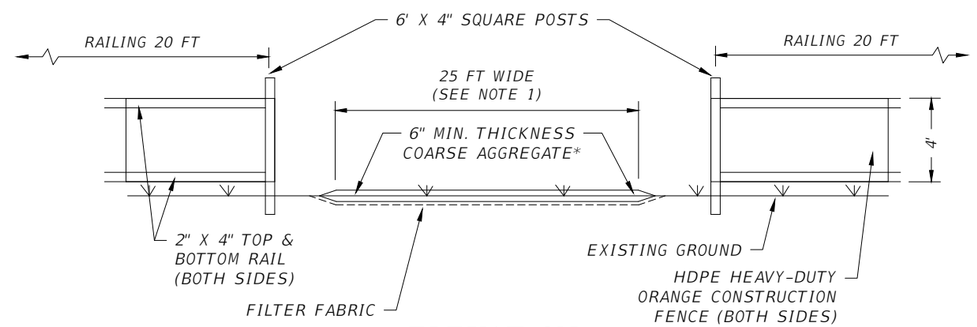
SECTION: STORM

SW-6

REVISION DATE: DEC 2020



PLAN



ELEVATION

NOTES:

1. CITY MAY REDUCE THIS DIMENSION IF CONDITIONS PERMIT AND IF REQUESTED BY THE CONTRACTOR.
2. CITY MAY ALLOW NO. 57 STONE, OR CLEAN, WASHED RECYCLED CONCRETE MEETING THE MINIMUM SIZE OF NO. 1 STONE AS AN ALTERNATE IF REQUESTED BY THE CONTRACTOR.

CITY ENGINEER'S OFFICE
1805 NE 30TH AVE, BLDG #600
OCALA, FLORIDA 34470

CITY OF OCALA STANDARD DETAILS FOR CONSTRUCTION

TYPICAL CONSTRUCTION ENTRANCE TRACKING PAD

SECTION: GENERAL

G-22

REVISION DATE: DEC 2020

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
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PAYAL PANDYA, P.E., CFM
P.E. LICENSE NUMBER 73210

1805 NE 30TH AVE
OCALA, FL 34470

PREPARED BY

OCALA CITY ENGINEER'S OFFICE

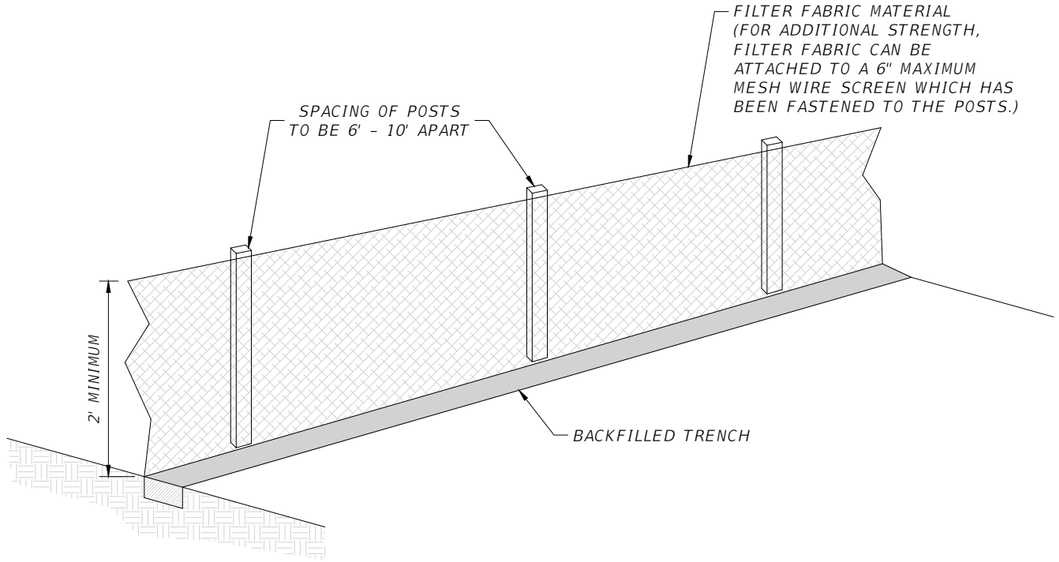
NW 44th AVENUE EXTENSION PHASE 2

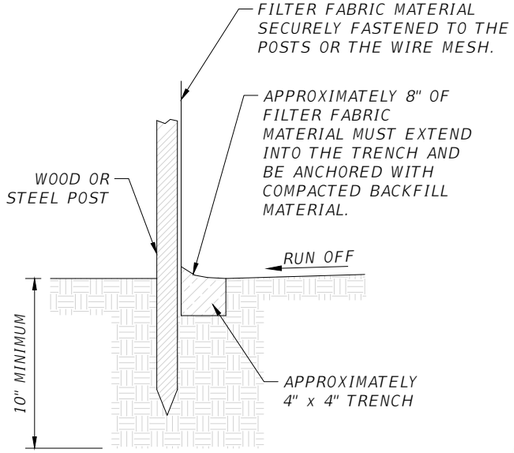
DRAINAGE DETAILS

SHEET NO. 33

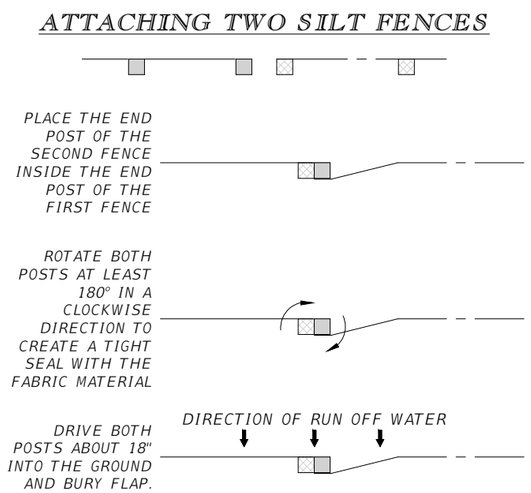
Gary Anson 4/6/2023 6:15:38 PM

T:_sd-ENG-Engineering-Department-Common\Interdisicplinary Projects\2020\20106 - NW 44th Ave (SR40-4000 ft





ATTACHING TWO SILT FENCES



CITY ENGINEER'S OFFICE
1805 NE 30TH AVE, BLDG #600
OCALA, FLORIDA 34470

CITY OF OCALA
STANDARD DETAILS
FOR CONSTRUCTION

TYPICAL SILT FENCE

SECTION: GENERAL

G-25

REVISION DATE: DEC 2020

DANDY BAG DETAIL

SWPPP NOTES:

1. SOIL TRACKING PREVENTION DEVICE (STPD) AT SITE ENTRANCE FOR CONSTRUCTION TRAFFIC SHALL BE INSTALLED IN ACCORDANCE WITH THE FLORIDA DEPARTMENT OF TRANSPORTATION DESIGN STANDARDS INDEX 106, SHOWN ON THIS SHEET FOR REFERENCE. INSTALL STPD PRIOR TO HEAVY CONSTRUCTION TRAFFIC. STPD TO BE REMOVED JUST PRIOR TO LIMEROCK INSTALLATION.

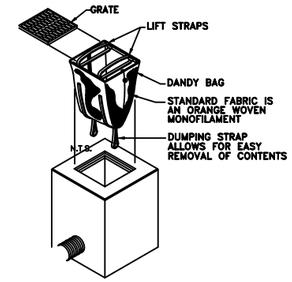
2. A PRESITE MEETING IS REQUIRED PRIOR TO CONSTRUCTION.

DANDY BAG II

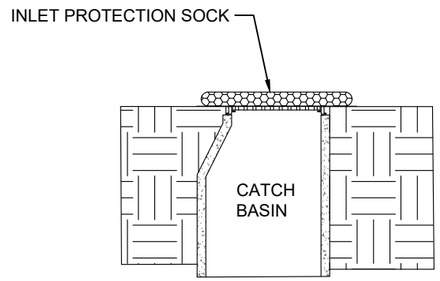
Installation and Maintenance Guidelines

INSTALLATION: REMOVE THE GRATE FROM CATCH BASIN. IF USING OPTIONAL OIL ABSORBENTS; PLACE ABSORBENT PILLOW IN UNIT. STAND THE GRATE ON END. MOVE THE TOP LIFTING STRAPS OUT OF THE WAY AND PLACE THE GRATE INTO THE DANDY BAG II SO THAT THE GRATE IS BELOW THE TOP STRAPS AND ABOVE THE LOWER STRAPS. HOLDING THE LIFTING DEVICES, INSERT THE GRATE INTO THE INLET.

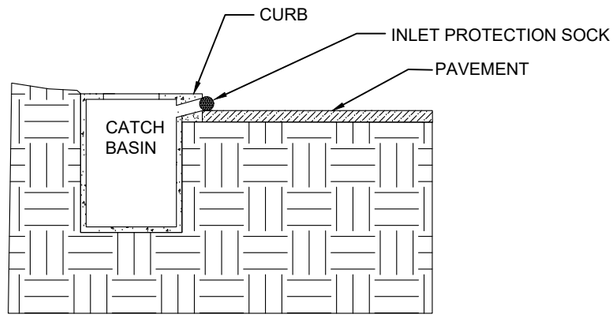
MAINTENANCE: REMOVE ALL ACCUMULATED SEDIMENT AND DEBRIS FROM VICINITY OF UNIT AFTER EACH STORM EVENT. AFTER EACH STORM EVENT AND AT REGULAR INTERVALS, LOOK INTO THE DANDY BAG II. IF THE CONTAINMENT AREA IS MORE THAN 1/3 FULL OF SEDIMENT, THE UNIT MUST BE EMPTIED. TO EMPTY UNIT, LIFT THE UNIT OUT OF THE INLET USING THE LIFTING STRAPS AND REMOVE THE GRATE. IF USING OPTIONAL OIL ABSORBENTS; REPLACE ABSORBENT WHEN NEAR SATURATION.



INLET PROTECTION SOCK DETAIL



DRAIN INLET SECTION



CURBSIDE SECTION

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
----	----		

PAYAL PANDYA, P.E., CFM
P.E. LICENSE NUMBER 73210

1805 NE 30TH AVE
OCALA, FL 34470

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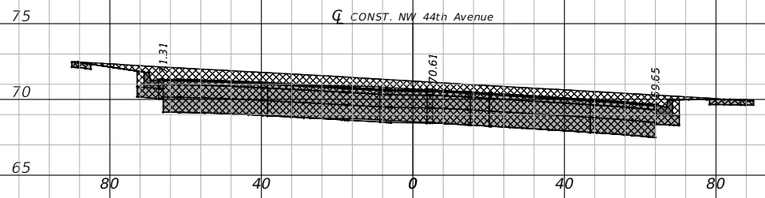
NW 44th AVENUE EXTENSION PHASE 2

DRAINAGE DETAILS

SHEET NO. 33A

Gary Anson 4/6/2023 6:15:39 PM T:_sd-ENG-Engineering-Department-Common\Interdisciplinary Projects\2020\20106 - NW 44th Ave (SR40-4000 ft



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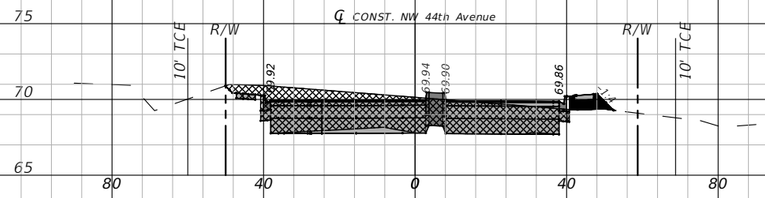

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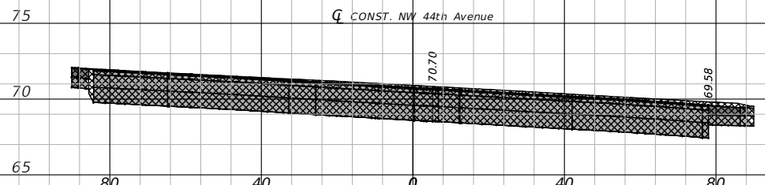
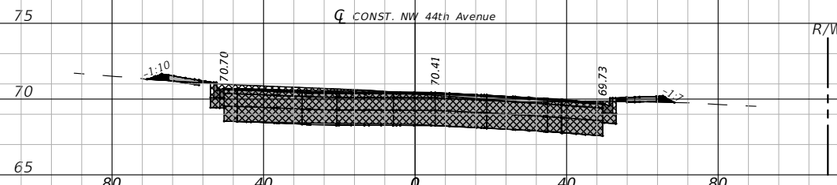


200+32.97

(BEGIN NEW PAVEMENT EARTHWORK)



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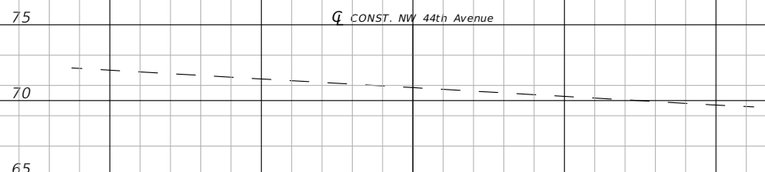
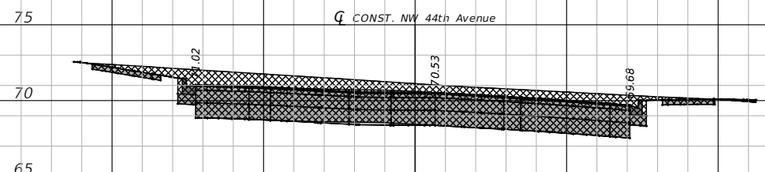


200+30.00



200+43.02

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1" = 10' Vertical

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P.E. LICENSE NUMBER 69534
STATE OF FLORIDA, DATE: _____
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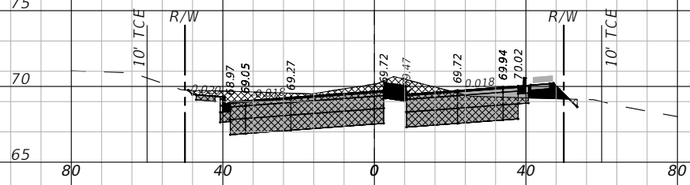
NW 44th AVENUE EXTENSION PHASE 2

ROADWAY CROSS-SECTIONS - (1)

SHEET NO. 34

Gary Anson 4/6/2023 6:15:59 PM T:_sd-ENG-Engineering-Department-Common\Interdisicplinary Projects\2020\20106 - NW 44th Ave (SR40-4000 ft



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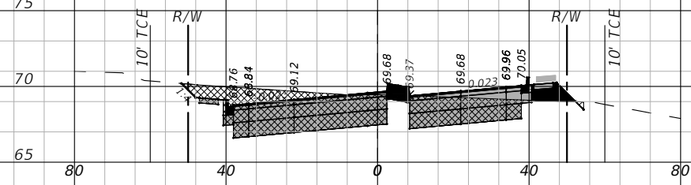

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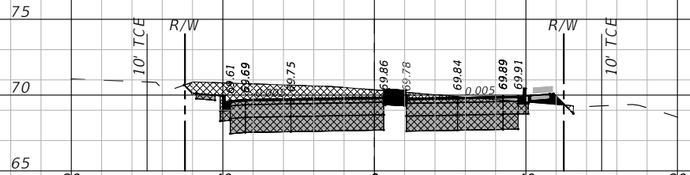

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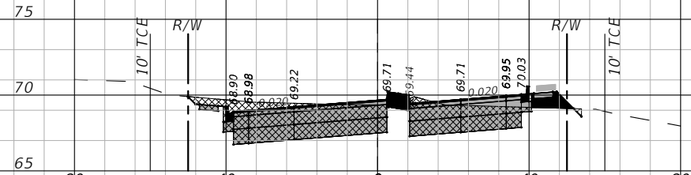

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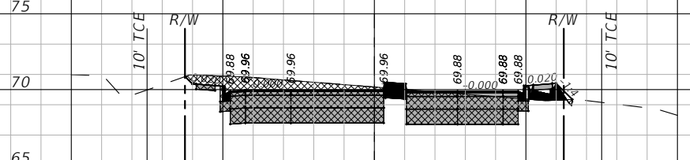
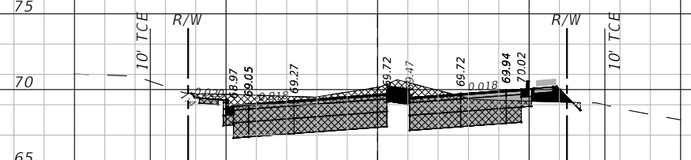


200+83.76



201+50.00

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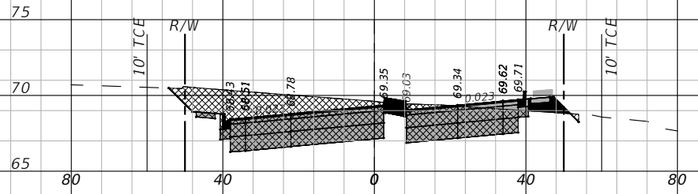
NW 44th AVENUE EXTENSION PHASE 2

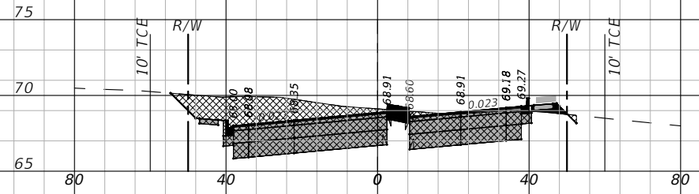
ROADWAY CROSS-SECTIONS - (2)

SHEET NO. 35

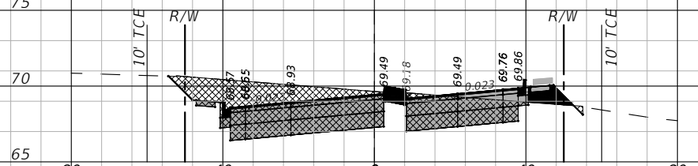
Gary Anson 4/6/2023 6:16:33 PM T:_sd-ENG-Engineering-Department-Common\Interdisicplinary Projects\2020\20106 - NW 44th Ave (SR40-4000 ft



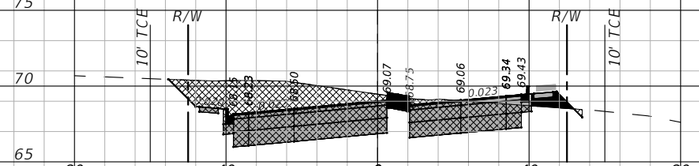
202+25.00



203+00.00



202+00.00



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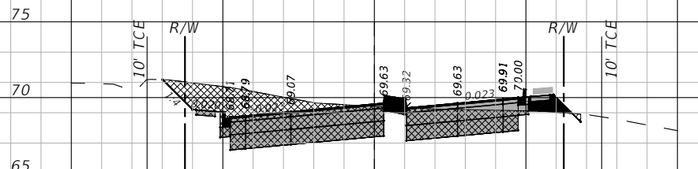

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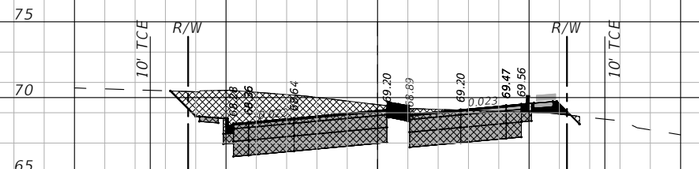

202+50.00

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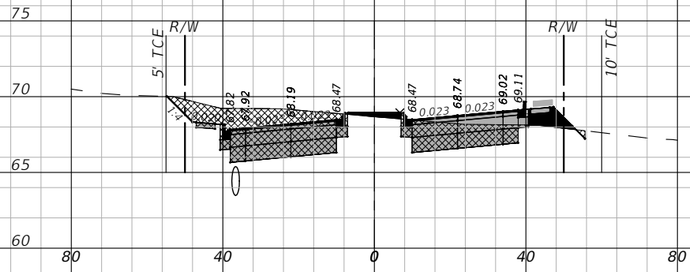
City Engineer's Office

NW 44th AVENUE EXTENSION PHASE 2

ROADWAY CROSS-SECTIONS - (3)

SHEET NO. 36

Gary Anson 4/6/2023 6:16:34 PM T:_sd-ENG-Engineering-Department-Common\Interdisicplinary Projects\2020\20106 - NW 44th Ave (SR40-4000 ft



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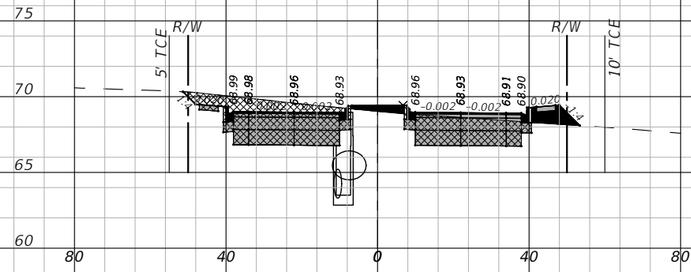

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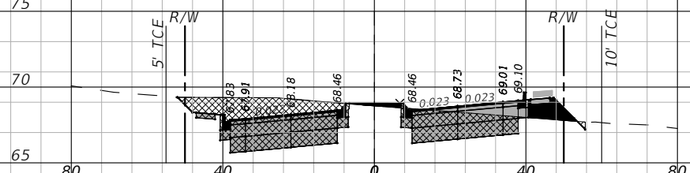

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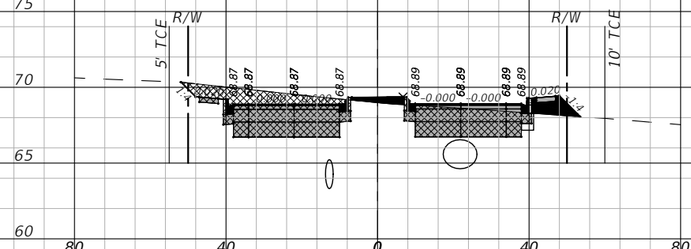

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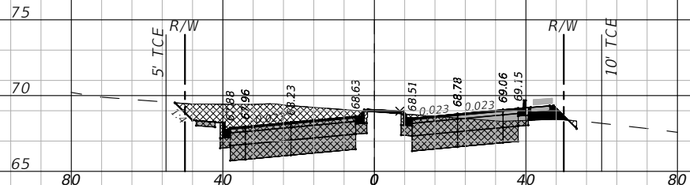
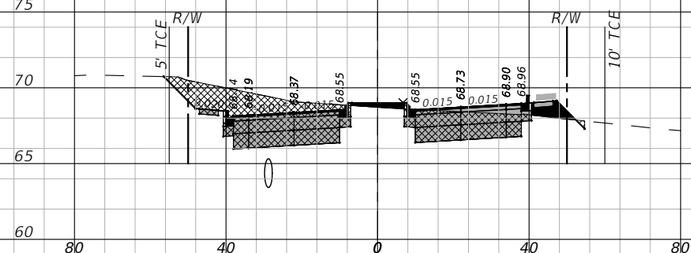


203+25.00



203+97.19

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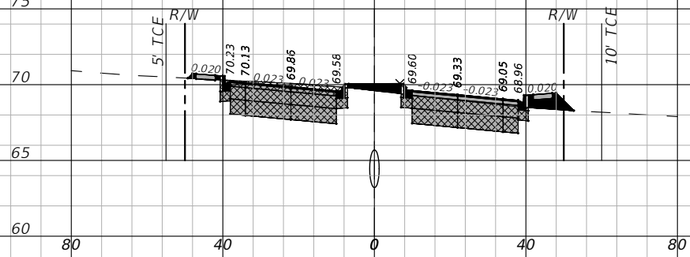
NW 44th AVENUE EXTENSION PHASE 2

ROADWAY CROSS-SECTIONS - (4)

SHEET NO. 37

Gary Anson 4/6/2023 6:16:42 PM T:_sd-ENG-Engineering-Department-Common\Interdisicplinary Projects\2020\20106 - NW 44th Ave (SR40-4000 ft



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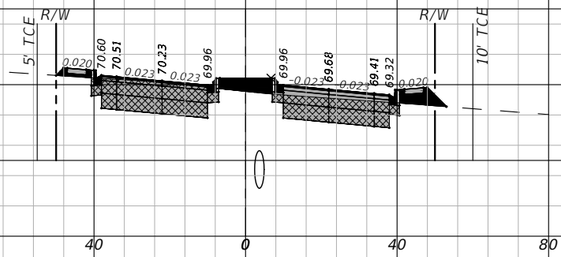
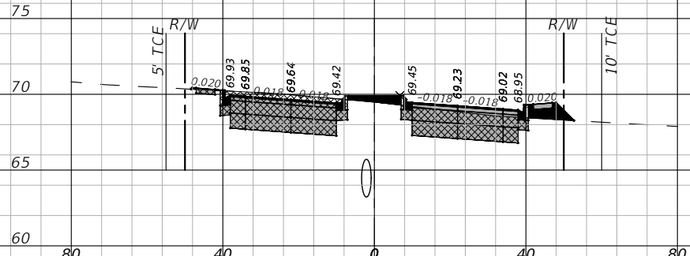


205+75.00



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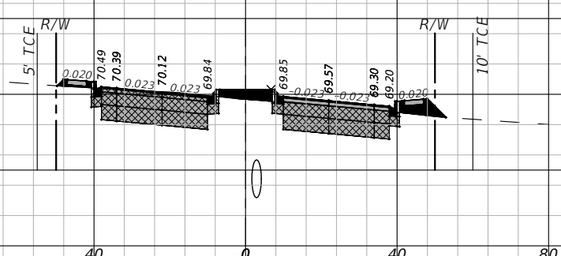

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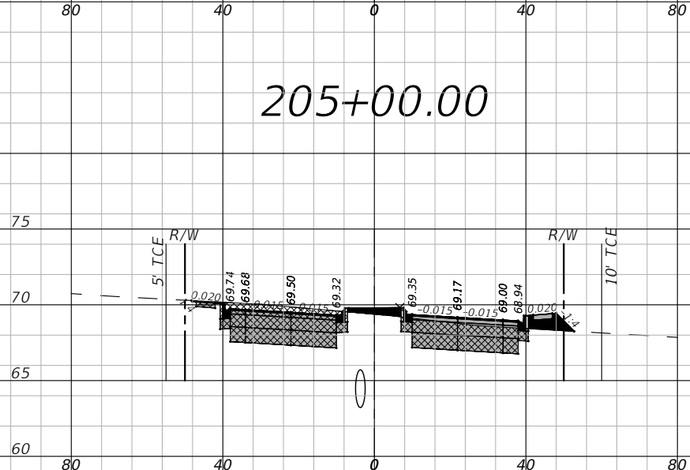

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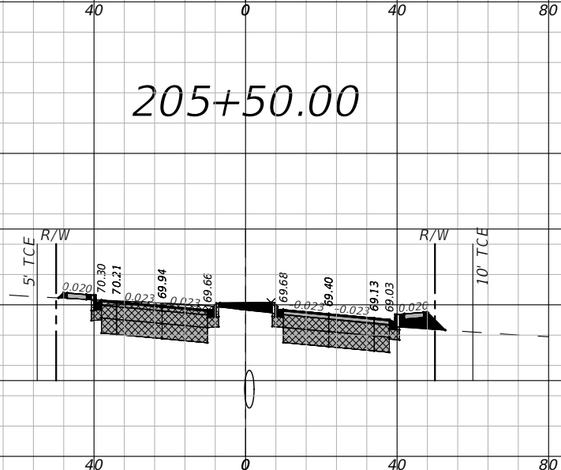

205+25.00

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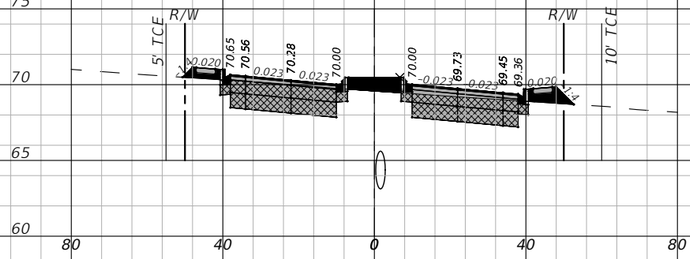
NW 44th AVENUE EXTENSION PHASE 2

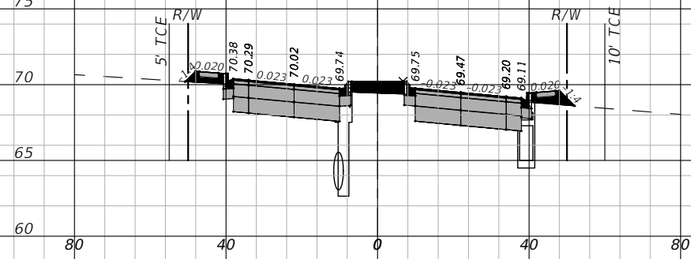
ROADWAY CROSS-SECTIONS - (5)

SHEET NO. 38

Gary Anson 4/6/2023 6:16:51 PM T:_sd-ENG-Engineering-Department-Common\Interdisicplinary Projects\2020\20106 - NW 44th Ave (SR40-4000 ft



206+25.00



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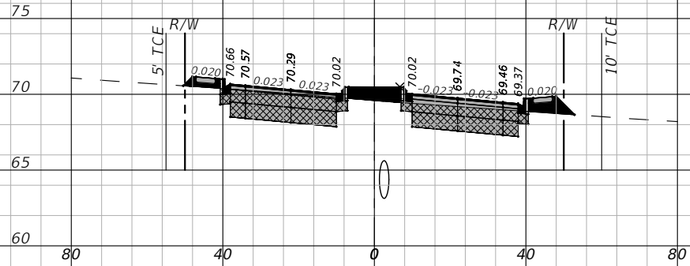

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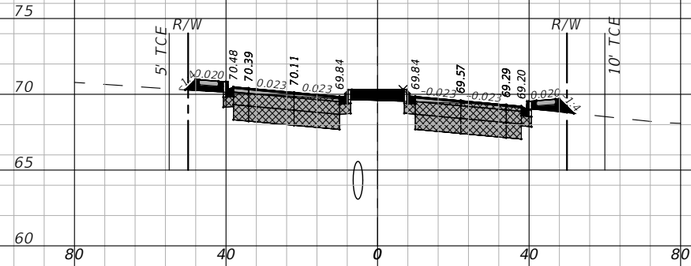

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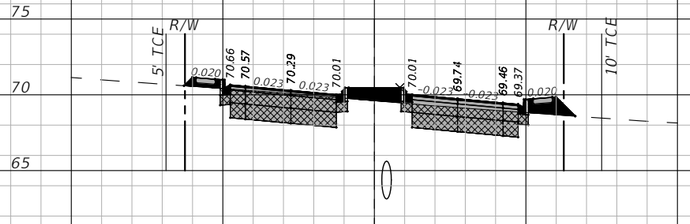
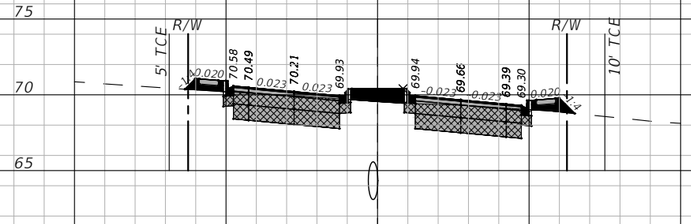


206+00.00



206+50.00

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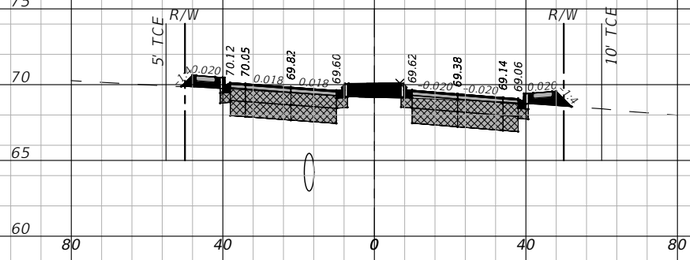
NW 44th AVENUE EXTENSION PHASE 2

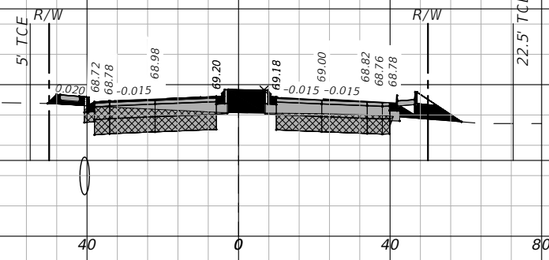
ROADWAY CROSS-SECTIONS - (6)

SHEET NO. 39

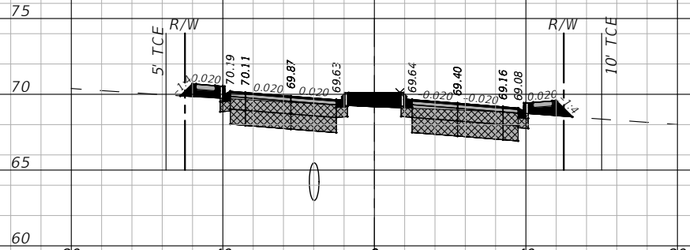
Gary Anson 4/6/2023 6:16:59 PM T:_sd-ENG-Engineering-Department-Common\Interdisicplinary Projects\2020\20106 - NW 44th Ave (SR40-4000 ft



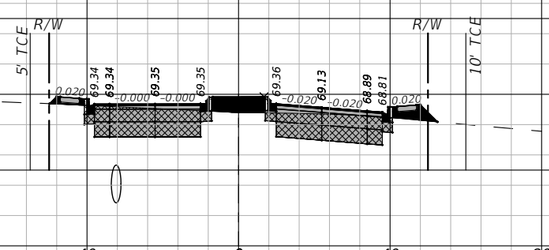
207+34.76



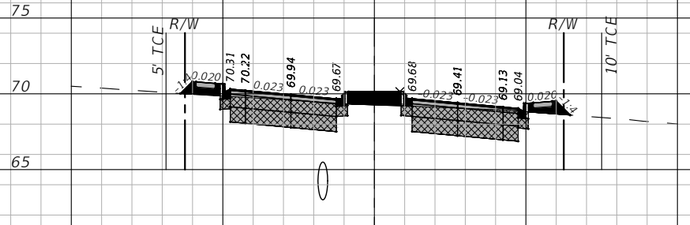
208+50.00



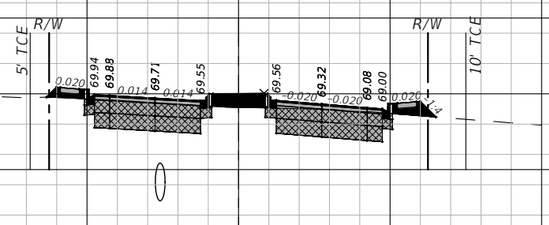
207+28.96



208+01.00



207+18.20



207+50.00

1" = 40' Horizontal
1" = 10' Vertical

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
11/30/22	ADDED TCE REFERENCES & REVISED SLOPES		

NOEL JOHN COOPER, P.E.
P.E. LICENSE NUMBER 69534
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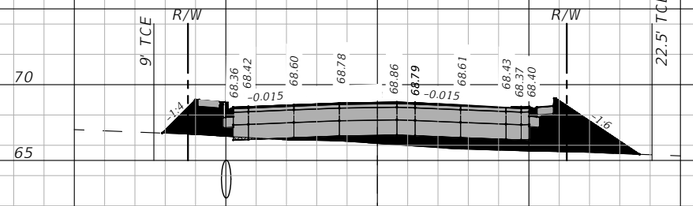
NW 44th AVENUE EXTENSION PHASE 2

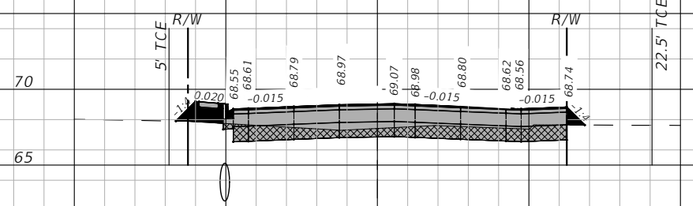
ROADWAY CROSS-SECTIONS - (7)

SHEET NO. 40

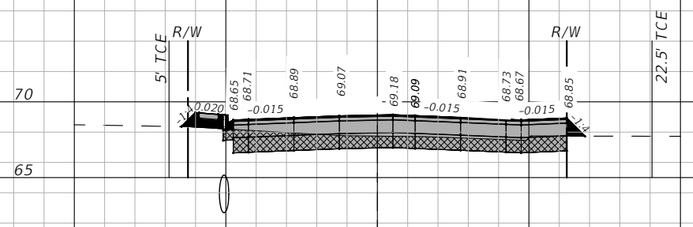
Gary Anson 4/6/2023 6:17:08 PM T:_sd-ENG-Engineering-Department-Common\Interdisicplinary Projects\2020\20106 - NW 44th Ave (SR40-4000 ft



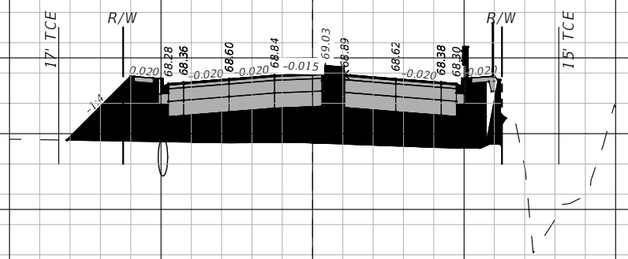
209+50.00



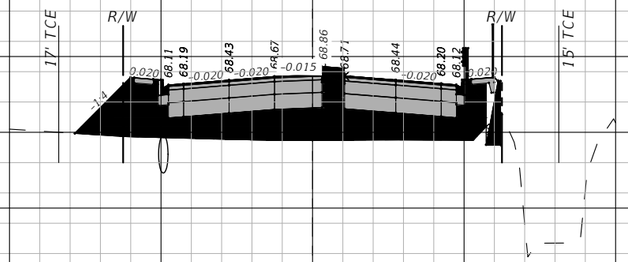
209+00.00



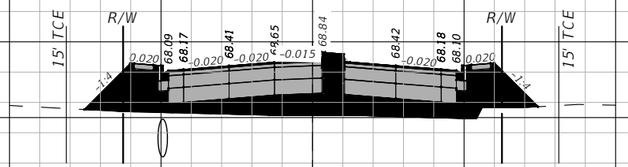
208+73.04



211+00.00



210+50.00



210+00.00

1" = 40' Horizontal
1" = 10' Vertical

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
11/30/22	ADDED TCE REFERENCES MODIFIED CROSS SLOPE		

NOEL JOHN COOPER, P.E.
P.E. LICENSE NUMBER 69534
STATE OF FLORIDA, DATE: _____
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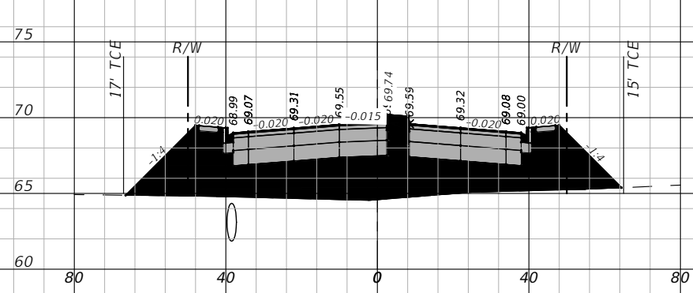
NW 44th AVENUE EXTENSION PHASE 2

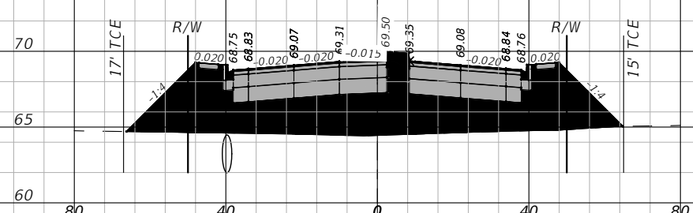
ROADWAY CROSS-SECTIONS - (8)

SHEET NO. 41

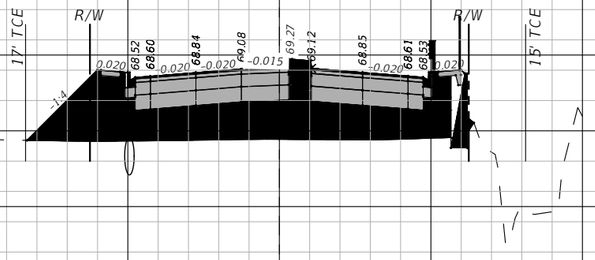
Gary Anson 4/6/2023 6:17:16 PM T:_sd-ENG-Engineering-Department-Common\Interdisicplinary Projects\2020\20106 - NW 44th Ave (SR40-4000 ft



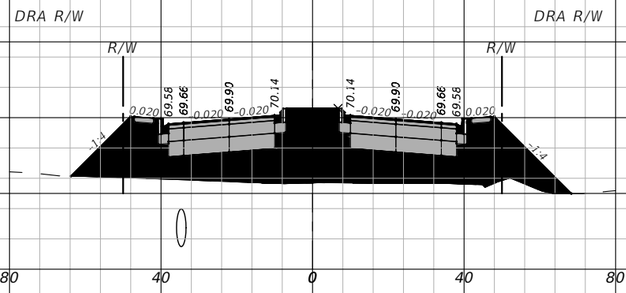
212+50.00



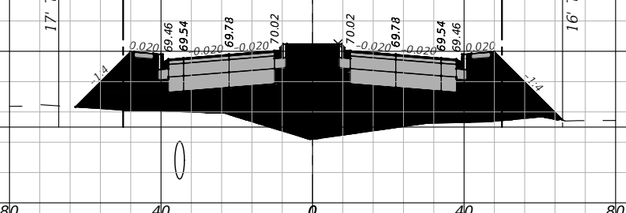
212+00.00



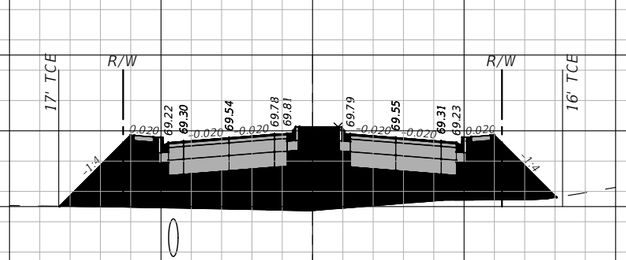
211+50.00



213+75.00



213+49.21



213+00.00

1" = 40' Horizontal
1" = 10' Vertical

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
11/30/22	ADDED TCE REFERENCES MODIFIED CROSS SLOPE		
1/23/23	REVISED TCE REFERENCES NEAR DRA		

NOEL JOHN COOPER, P.E.
P.E. LICENSE NUMBER 69534
STATE OF FLORIDA, DATE: _____
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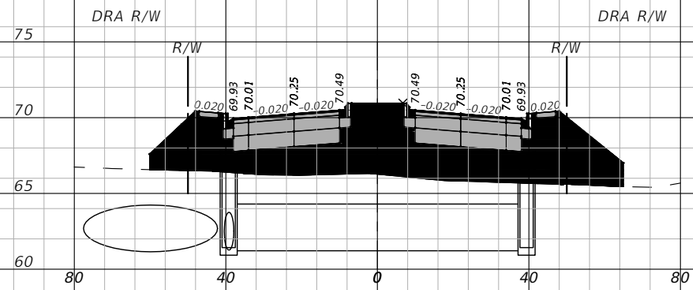
NW 44th AVENUE EXTENSION PHASE 2

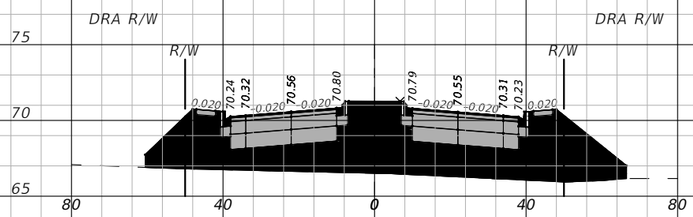
ROADWAY CROSS-SECTIONS - (9)

SHEET NO. 42

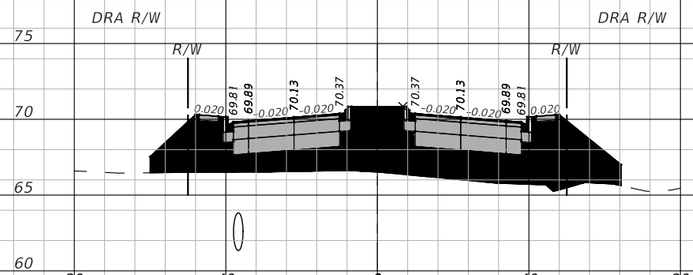
Gary Anson 4/6/2023 6:17:25 PM T:_sd-ENG-Engineering-Department-Common\Interdisicplinary Projects\2020\20106 - NW 44th Ave (SR40-4000 ft



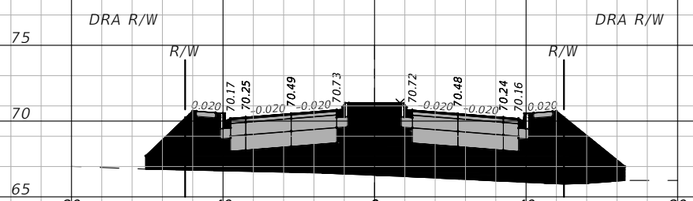
214+50.00



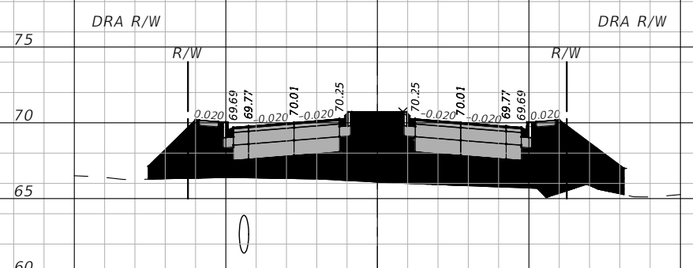
215+15.84



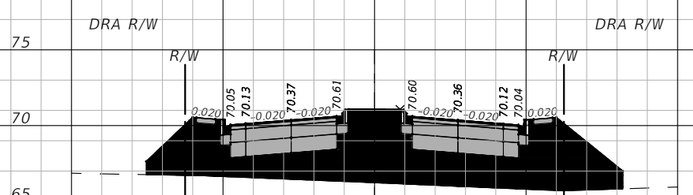
214+25.00



215+00.00



214+00.00



214+75.00

1" = 40' Horizontal
1" = 10' Vertical

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
11/30/22	ADDED TCE REFERENCES		
1/23/23	REVISED TCE REFERENCES NEAR DRA		

NOEL JOHN COOPER, P.E.
P.E. LICENSE NUMBER 69534
STATE OF FLORIDA, DATE: _____
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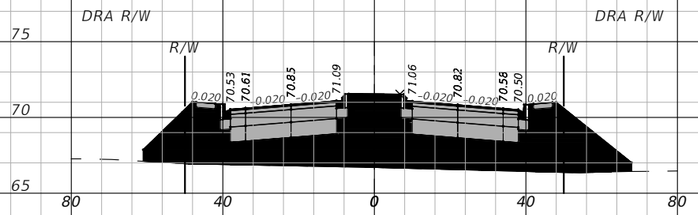
NW 44th AVENUE EXTENSION PHASE 2

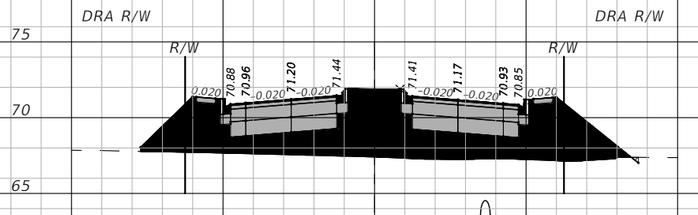
ROADWAY CROSS-SECTIONS - (10)

SHEET NO. 43

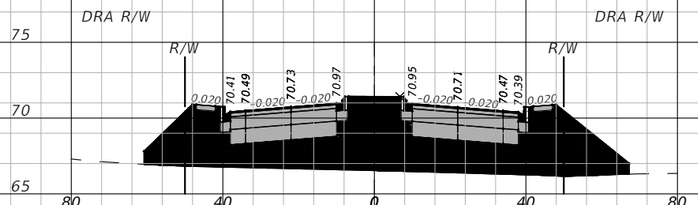
Gary Anson 4/6/2023 6:17:33 PM T:_sd-ENG-Engineering-Department-Common\Interdisicplinary Projects\2020\20106 - NW 44th Ave (SR40-4000 ft



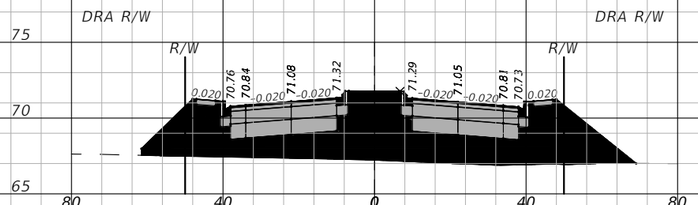
215+75.00



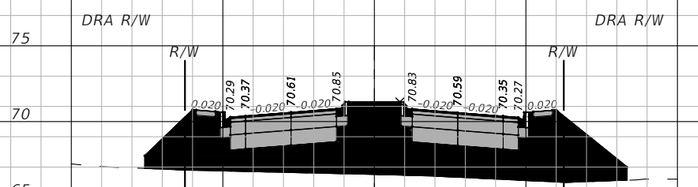
216+50.00



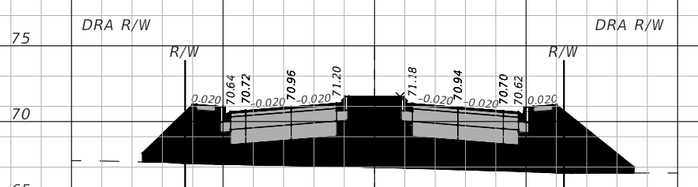
215+50.00



216+25.00



215+25.00



216+00.00

1" = 40' Horizontal
1" = 10' Vertical

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
11/30/22	ADDED TCE REFERENCES		
1/23/23	REMOVED TCE REFERENCES NEAR DRA		

NOEL JOHN COOPER, P.E.
P.E. LICENSE NUMBER 69534
STATE OF FLORIDA, DATE: _____
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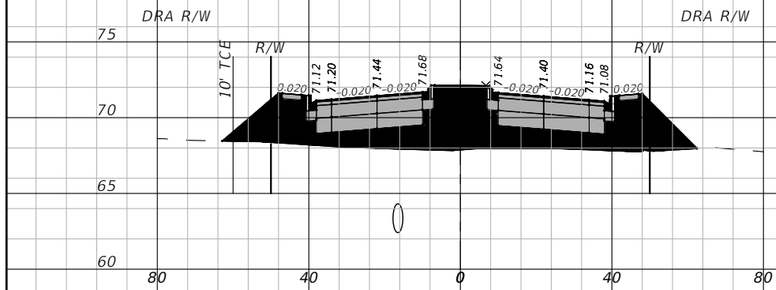
NW 44th AVENUE EXTENSION PHASE 2

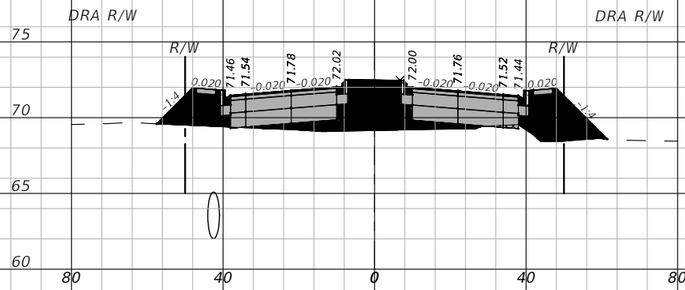
ROADWAY CROSS-SECTIONS - (11)

SHEET NO. 44

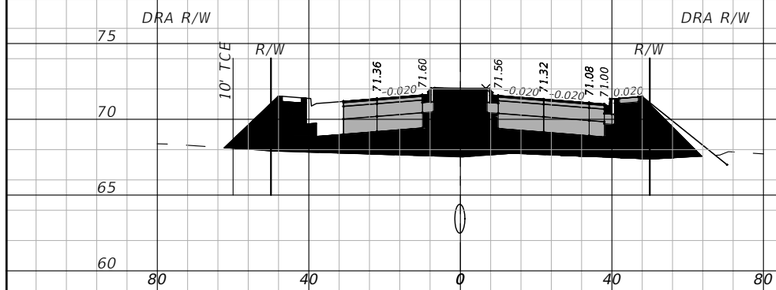
Gary Anson 4/6/2023 6:17:42 PM T:_sd-ENG-Engineering-Department-Common\Interdisciplinary Projects\2020\20106 - NW 44th Ave (SR40-4000 ft



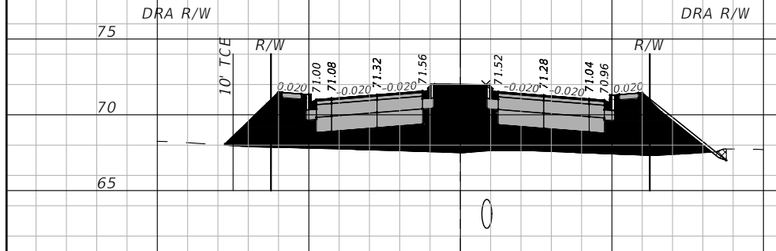
217+00.00



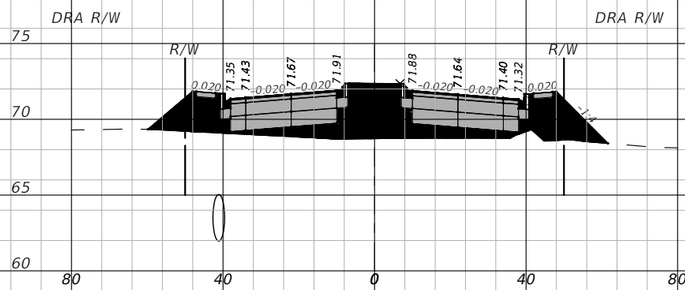
217+75.00



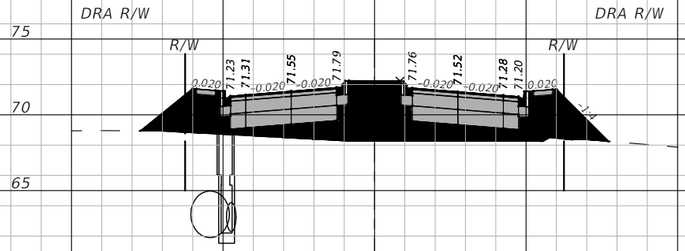
216+82.48



216+75.00



217+50.00



217+25.00

1" = 40' Horizontal
1" = 10' Vertical

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
11/30/22	ADDED TCE REFERENCES		
1/23/23	REVISED TCE REFERENCES NEAR DRA		

NOEL JOHN COOPER, P.E.
P.E. LICENSE NUMBER 69534
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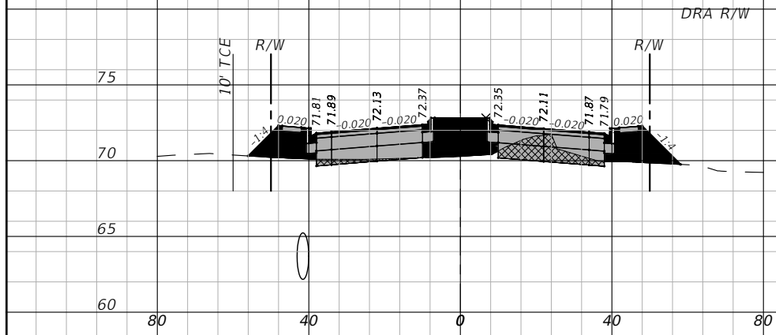
NW 44th AVENUE EXTENSION PHASE 2

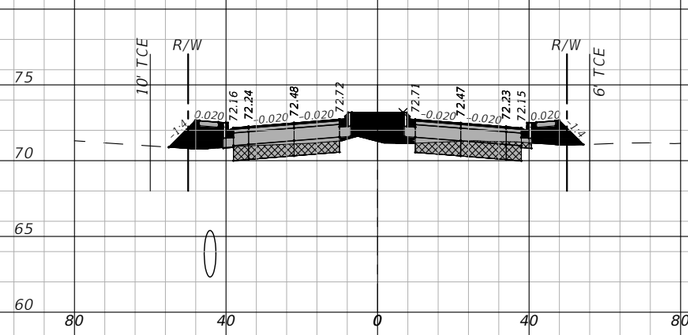
ROADWAY CROSS-SECTIONS - (12)

SHEET NO. 45

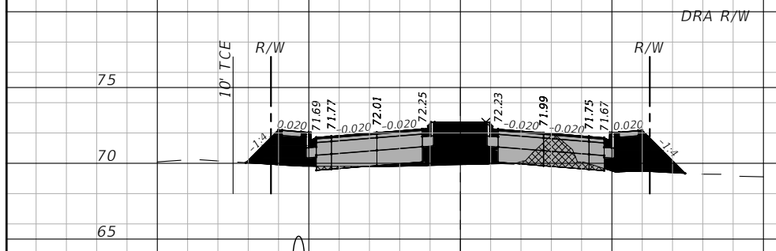
Gary Anson 4/6/2023 6:17:50 PM T:_sd-ENG-Engineering-Department-Common\Interdisicplinary Projects\2020\20106 - NW 44th Ave (SR40-4000 ft



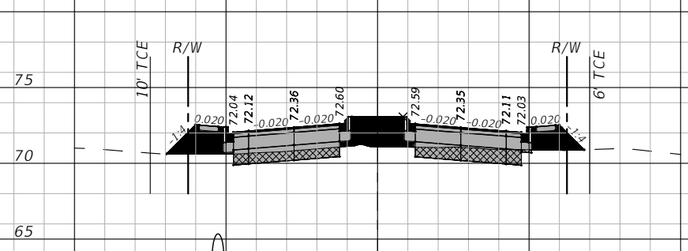
218+49.19



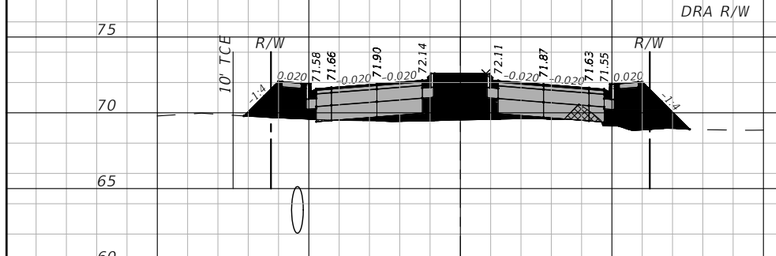
219+25.00



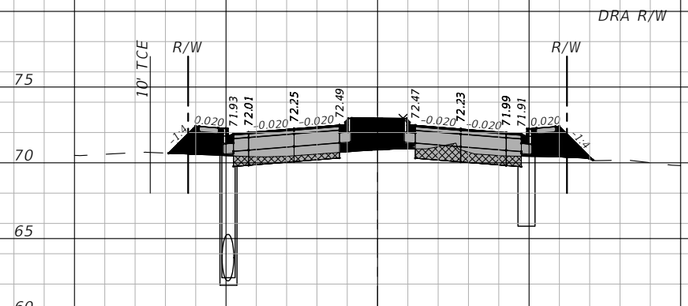
218+25.00



219+00.00



218+00.00



218+75.00

1" = 40' Horizontal
1" = 10' Vertical

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
11/30/22	ADDED TCE REFERENCES		

NOEL JOHN COOPER, P.E.
P.E. LICENSE NUMBER 69534
STATE OF FLORIDA, DATE: _____
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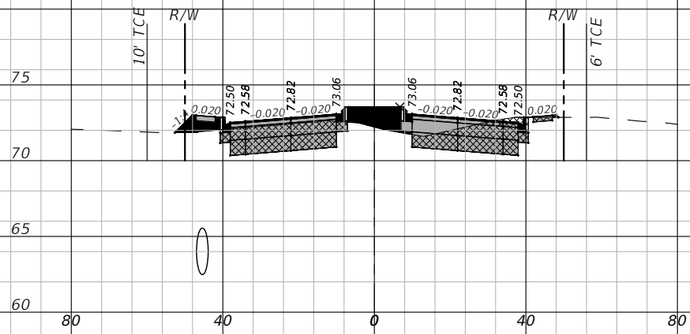
NW 44th AVENUE EXTENSION PHASE 2

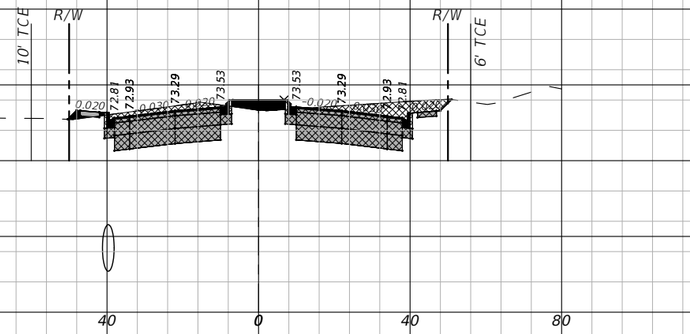
ROADWAY CROSS-SECTIONS - (13)

SHEET NO. 46

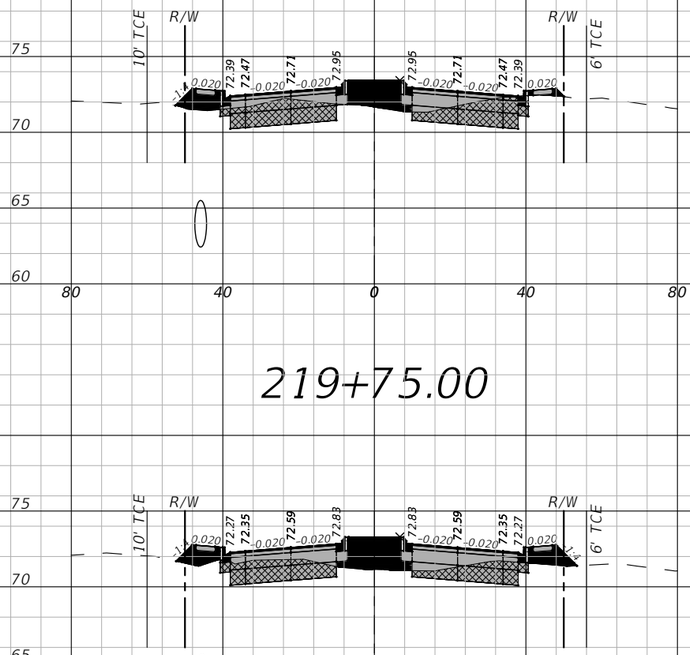
Gary Anson 4/6/2023 6:17:59 PM T:_sd-ENG-Engineering-Department-Common\Interdisicplinary Projects\2020\20106 - NW 44th Ave (SR40-4000 ft



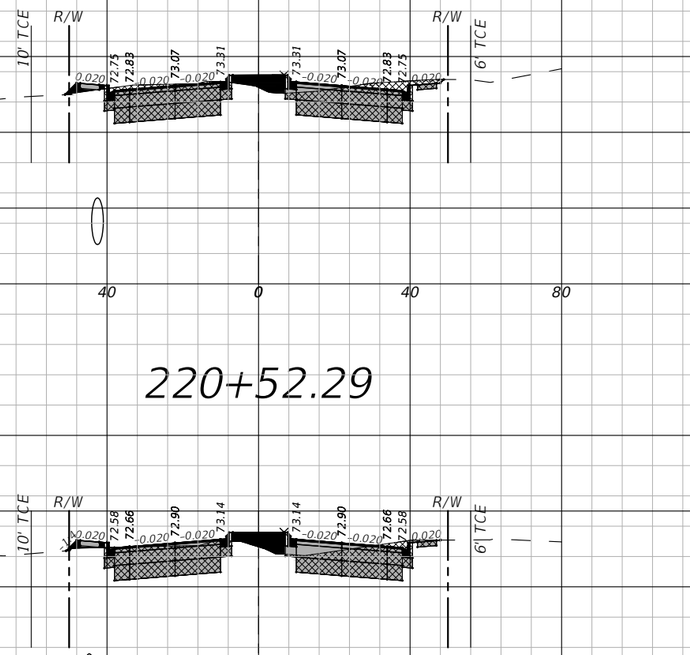
220+00.00



221+00.00



219+75.00



220+52.29

219+50.00

220+15.89

1" = 40' Horizontal
1" = 10' Vertical

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
11/30/22	ADDED TCE REFERENCES		

NOEL JOHN COOPER, P.E.
P.E. LICENSE NUMBER 69534
STATE OF FLORIDA, DATE: _____
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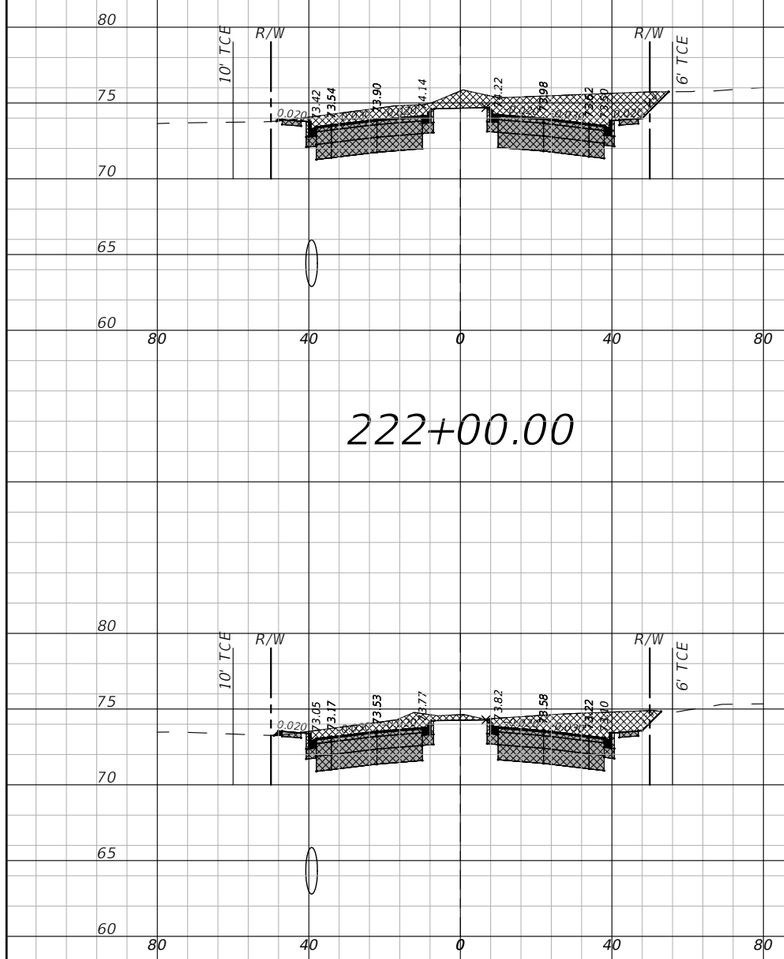
OCALA
CITY ENGINEER'S OFFICE

NW 44th AVENUE EXTENSION PHASE 2

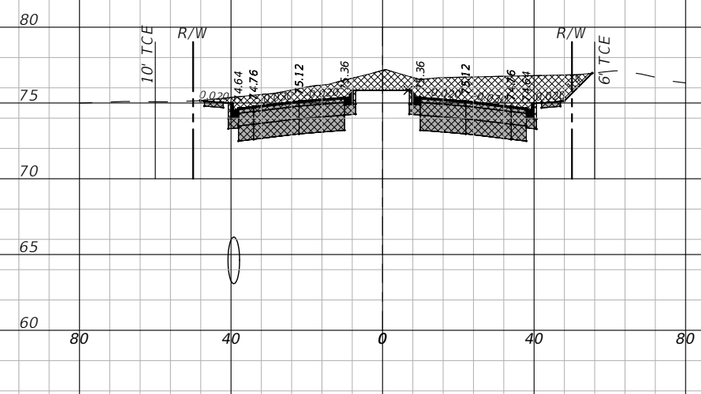
ROADWAY CROSS-SECTIONS - (14)

SHEET NO. 47

Gary Anson 4/6/2023 6:18:07 PM T:_sd-ENG-Engineering-Department-Common\Interdisicplinary Projects\2020\20106 - NW 44th Ave (SR40-4000 ft

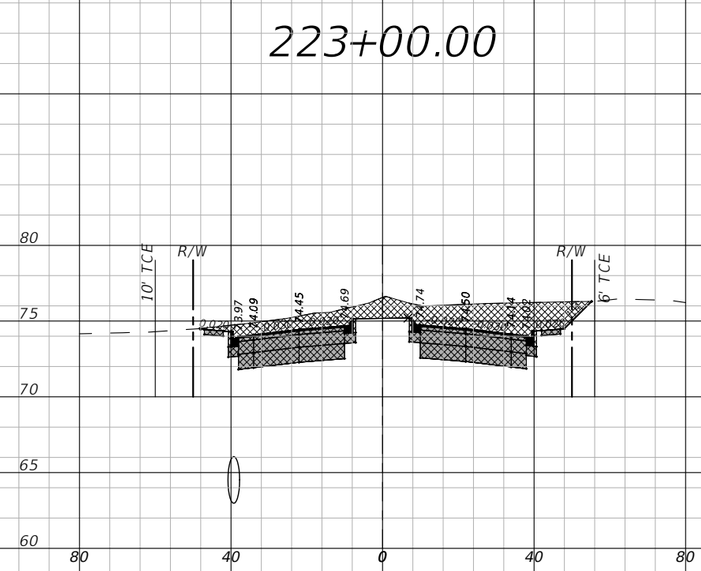


222+00.00



223+00.00

221+50.00



222+50.00

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1" = 10' Vertical

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
11/30/22	ADDED TCE REFERENCES		

NOEL JOHN COOPER, P.E.
P.E. LICENSE NUMBER 69534
STATE OF FLORIDA, DATE: _____
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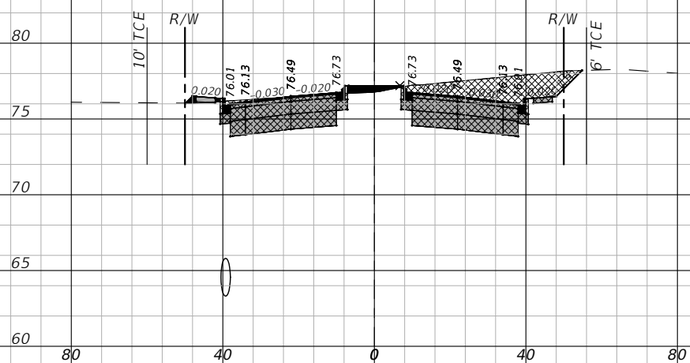
CITY ENGINEER'S OFFICE

NW 44th AVENUE EXTENSION PHASE 2

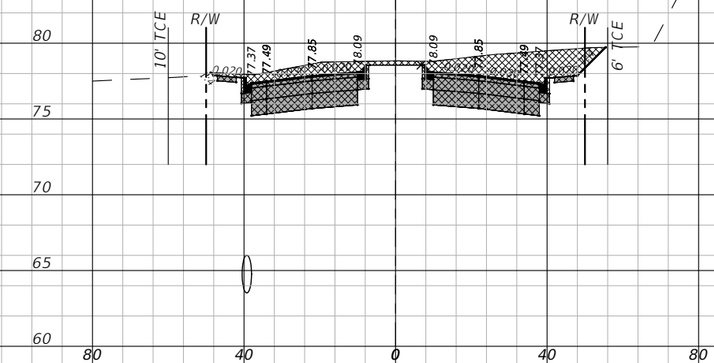
ROADWAY CROSS-SECTIONS - (15)

SHEET NO. 48

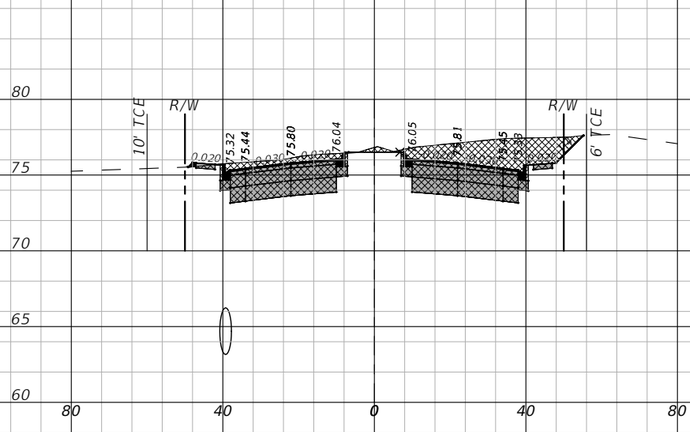
Gary Anson 4/6/2023 6:18:15 PM T:_sd-ENG-Engineering-Department-Common\Interdisicplinary Projects\2020\20106 - NW 44th Ave (SR40-4000 ft



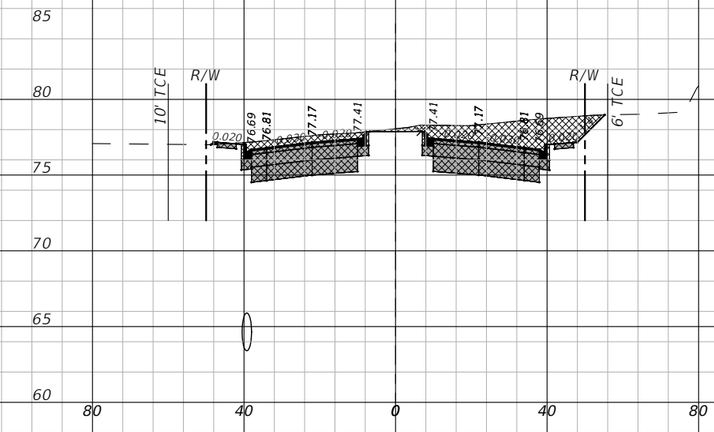
224+00.00



225+00.00



223+50.00



224+50.00

1" = 40' Horizontal
1" = 10' Vertical

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
11/30/22	ADDED TCE REFERENCES		

NOEL JOHN COOPER, P.E.
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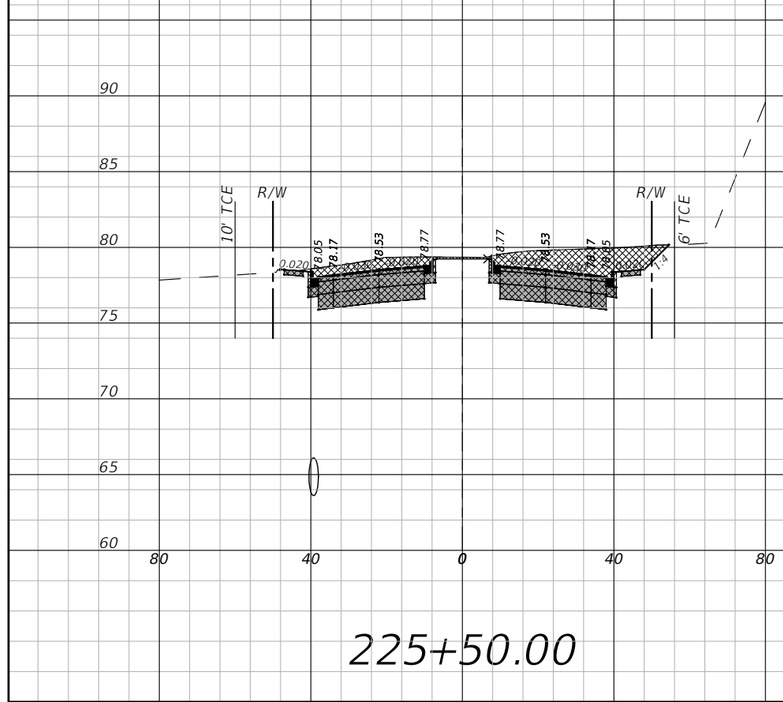
NW 44th AVENUE EXTENSION PHASE 2

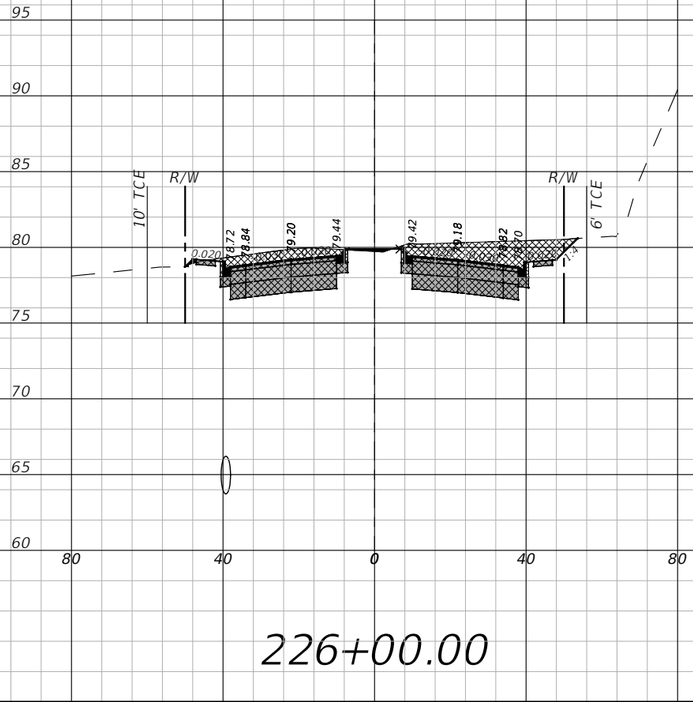
ROADWAY CROSS-SECTIONS - (16)

SHEET NO. 49

Gary Anson 4/6/2023 6:18:23 PM T:_sd-ENG-Engineering-Department-Common\Interdisicplinary Projects\2020\20106 - NW 44th Ave (SR40-4000 ft



225+50.00



226+00.00

1" = 40' Horizontal
1" = 10' Vertical

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
11/30/22	ADDED TCE REFERENCES		

NOEL JOHN COOPER, P.E.
P.E. LICENSE NUMBER 69534
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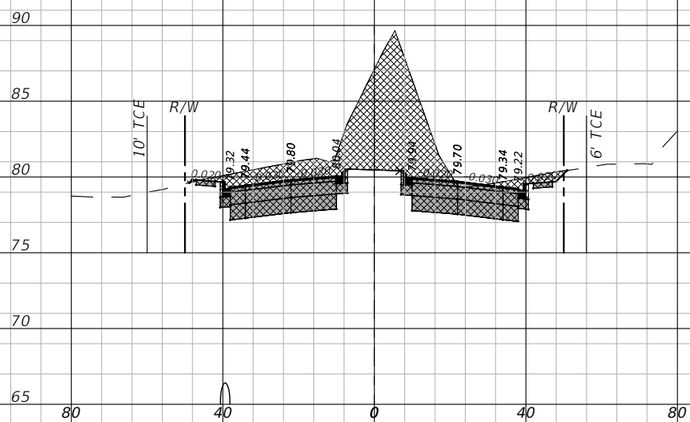
NW 44th AVENUE EXTENSION PHASE 2

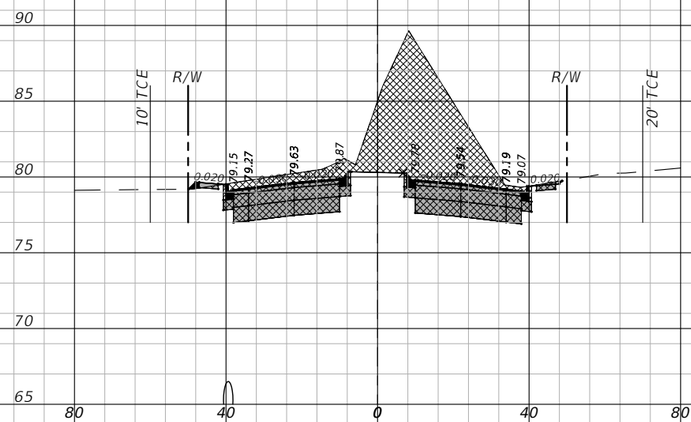
ROADWAY CROSS-SECTIONS - (17)

SHEET NO. 50

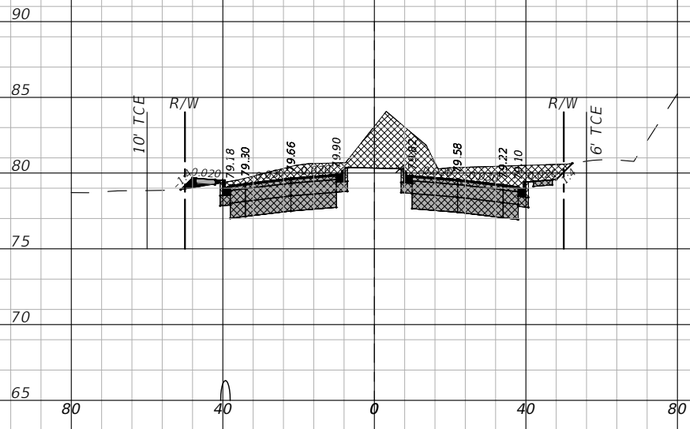
Gary Anson 4/6/2023 6:18:31 PM T:_sd-ENG-Engineering-Department-Common\Interdisicplinary Projects\2020\20106 - NW 44th Ave (SR40-4000 ft



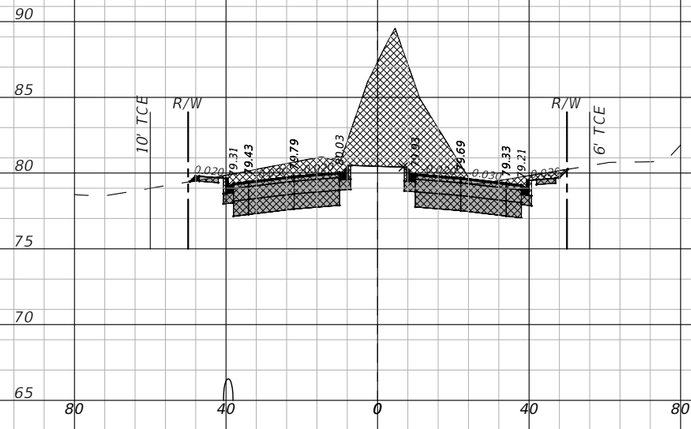
227+00.00



227+50.00



226+50.00



227+10.93

1" = 40' Horizontal
1" = 10' Vertical

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
11/30/22	ADDED TCE REFERENCES		

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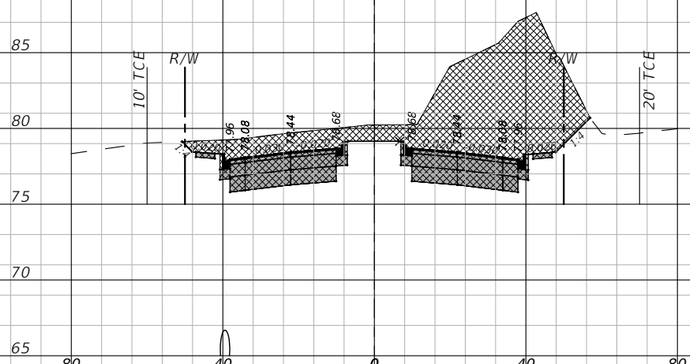
NW 44th AVENUE EXTENSION PHASE 2

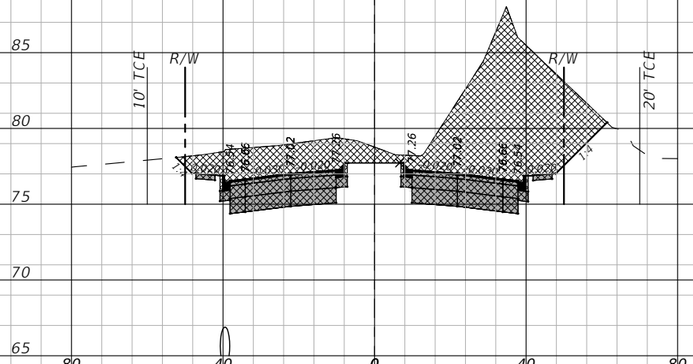
ROADWAY CROSS-SECTIONS - (18)

SHEET NO. 51

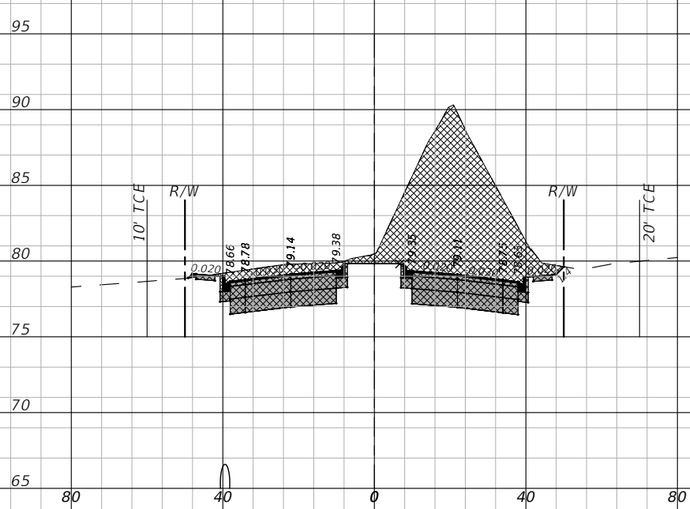
Gary Anson 4/6/2023 6:18:40 PM T:_sd-ENG-Engineering-Department-Common\Interdisicplinary Projects\2020\20106 - NW 44th Ave (SR40-4000 ft



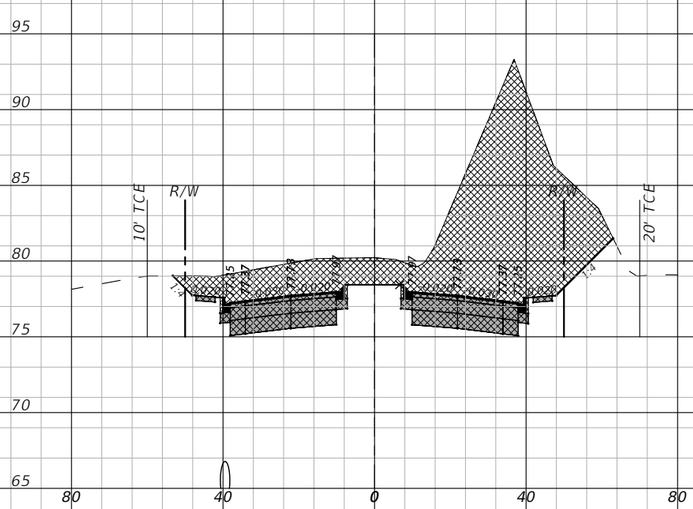
228+50.00



229+50.00



228+00.00



229+00.00

1" = 40' Horizontal
1" = 10' Vertical

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
11/30/22	ADDED TCE REFERENCES		

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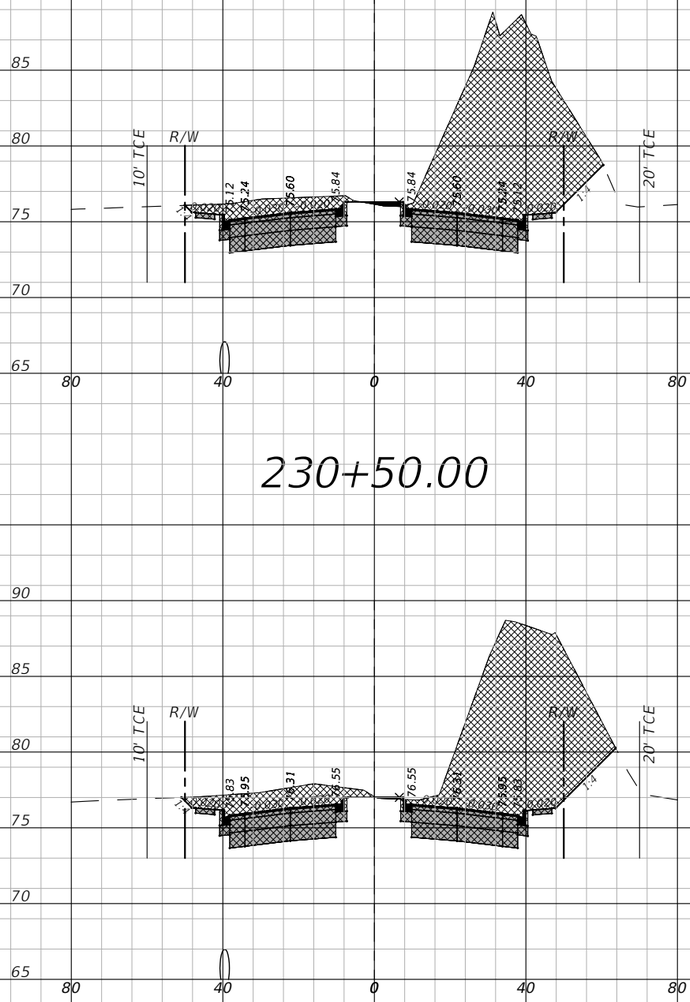
NW 44th AVENUE EXTENSION PHASE 2

ROADWAY CROSS-SECTIONS - (19)

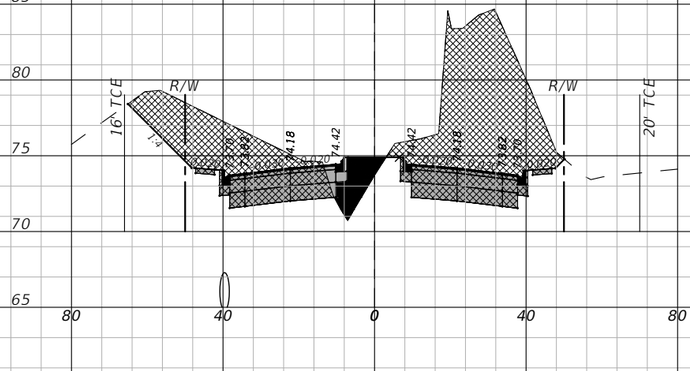
SHEET NO. 52

Gary Anson 4/6/2023 6:18:48 PM T:_sd-ENG-Engineering-Department-Common\Interdisicplinary Projects\2020\20106 - NW 44th Ave (SR40-4000 ft

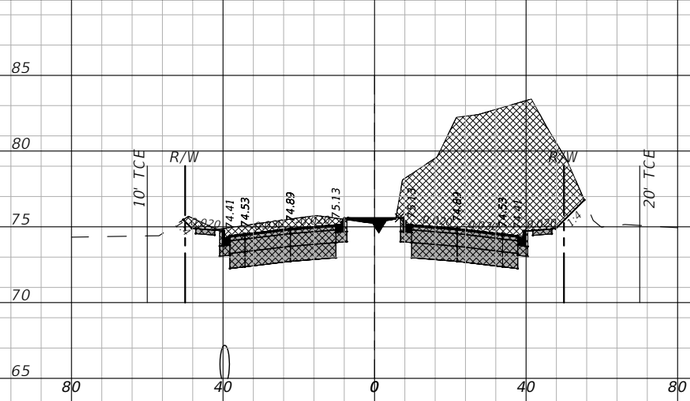


230+50.00

230+00.00



231+50.00



231+00.00

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1" = 10' Vertical

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
11/30/22	ADDED TCE REFERENCES		
1/23/23	REVISED TCE REFERENCE		

NOEL JOHN COOPER, P.E.
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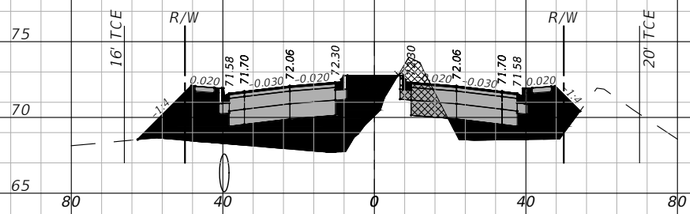
NW 44th AVENUE EXTENSION PHASE 2

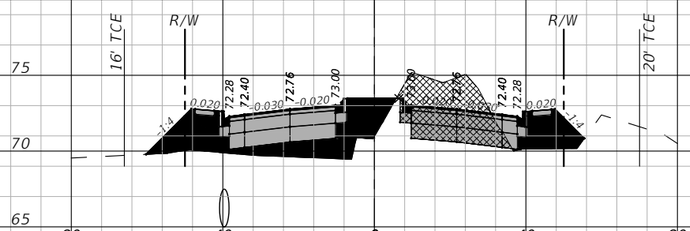
ROADWAY CROSS-SECTIONS - (20)

SHEET NO. 53

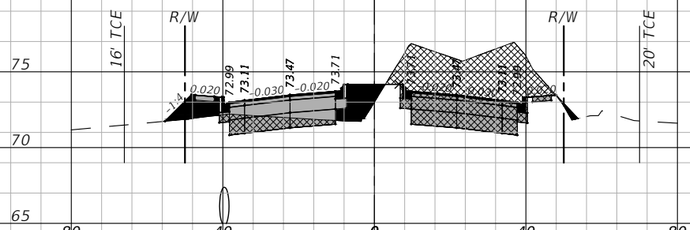
Gary Anson 4/6/2023 6:18:56 PM T:_sd-ENG-Engineering-Department-Common\Interdisicplinary Projects\2020\20106 - NW 44th Ave (SR40-4000 ft



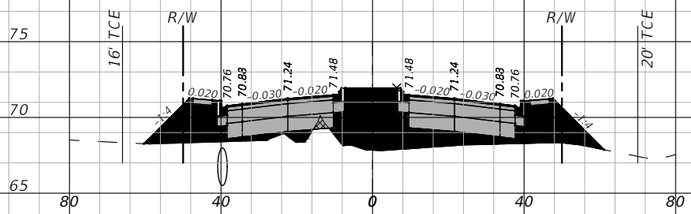
233+00.00



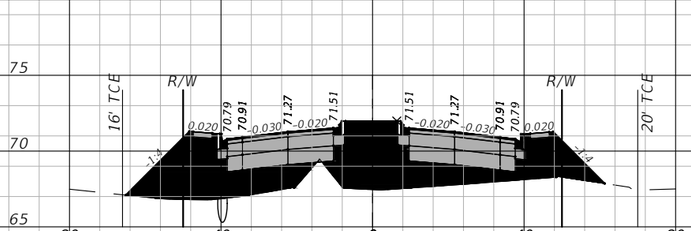
232+50.00



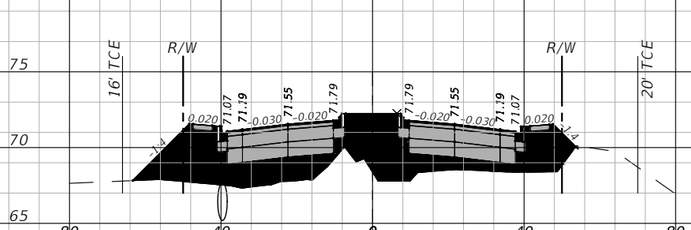
232+00.00



234+50.00



234+00.00



233+50.00

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
11/30/22	ADDED TCE REFERENCES		

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P.E. LICENSE NUMBER 69534
STATE OF FLORIDA, DATE: _____
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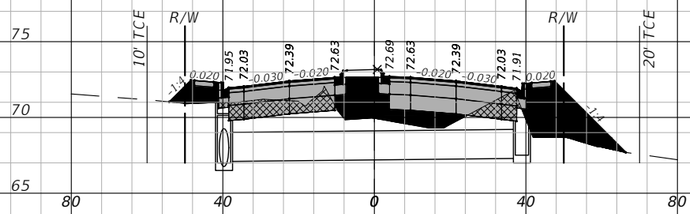
NW 44th AVENUE EXTENSION PHASE 2

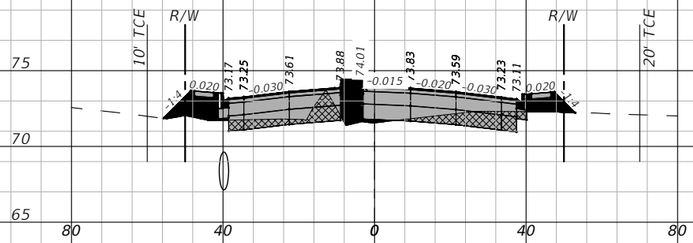
ROADWAY CROSS-SECTIONS - (21)

SHEET NO. 54

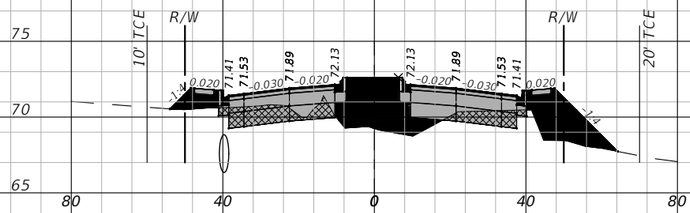
Gary Anson 4/6/2023 6:19:04 PM T:_sd-ENG-Engineering-Department-Common\Interdisicplinary Projects\2020\20106 - NW 44th Ave (SR40-4000 ft



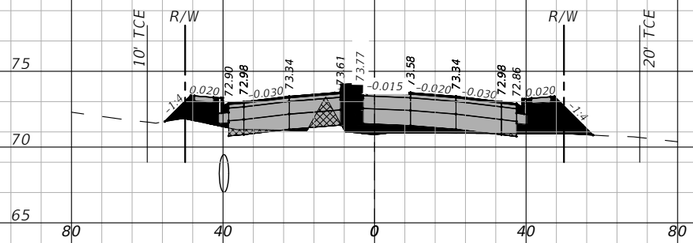
236+00.00



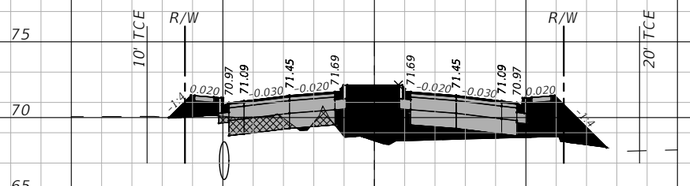
237+50.00



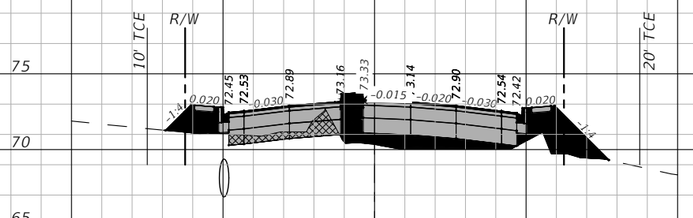
235+50.00



237+00.00



235+00.00



236+50.00

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1" = 10' Vertical

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
11/30/22	ADDED TCE REFERENCES MODIFIED CROSS SLOPE		

NOEL JOHN COOPER, P.E.
P.E. LICENSE NUMBER 69534
STATE OF FLORIDA, DATE: _____
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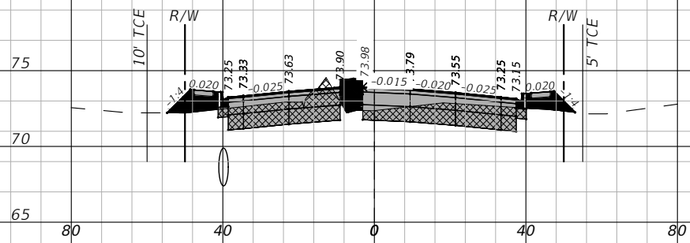
NW 44th AVENUE EXTENSION PHASE 2

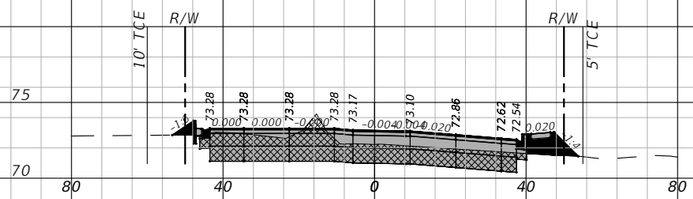
ROADWAY CROSS-SECTIONS - (22)

SHEET NO. 55

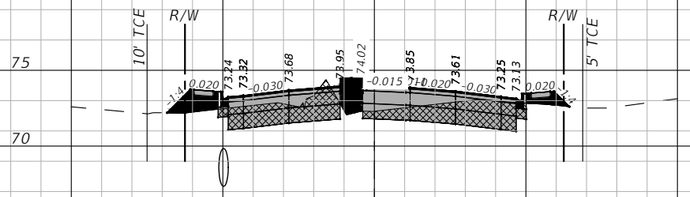
Gary Anson 4/6/2023 6:19:12 PM T:_sd-ENG-Engineering-Department-Common\Interdisicplinary Projects\2020\20106 - NW 44th Ave (SR40-4000 ft



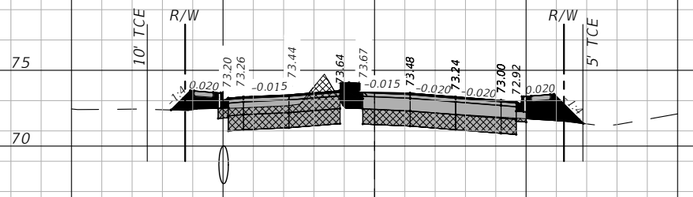
238+50.00



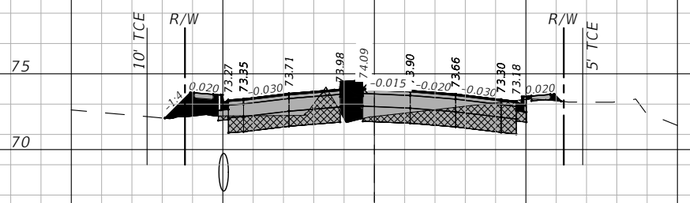
239+39.76



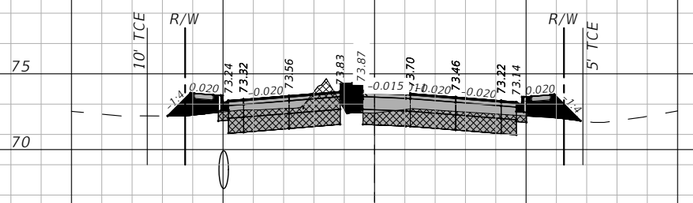
238+31.76



239+00.00



238+00.00



238+67.76

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1" = 10' Vertical

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
11/30/22	ADDED TCE REFERENCES MODIFIED CROSS-SLOPE		
1/23/23	ADDED TCE REFERENCES		

NOEL JOHN COOPER, P.E.
P.E. LICENSE NUMBER 69534
STATE OF FLORIDA, DATE: _____
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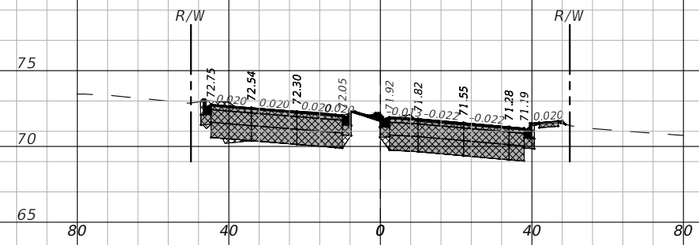
NW 44th AVENUE EXTENSION PHASE 2

ROADWAY CROSS-SECTIONS - (23)

SHEET NO. 56

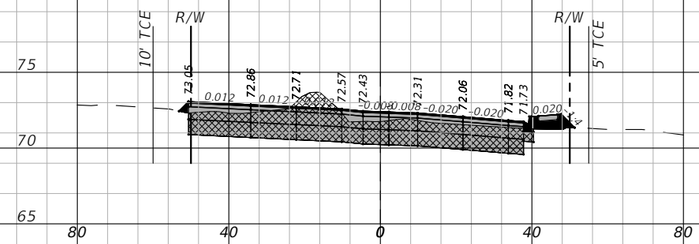
Gary Anson 4/6/2023 6:19:21 PM T:_sd-ENG-Engineering-Department-Common\Interdisicplinary Projects\2020\20106 - NW 44th Ave (SR40-4000 ft

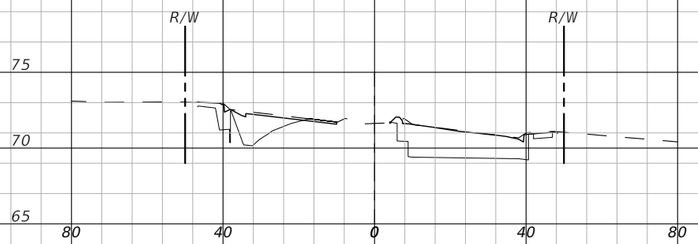


240+35.25

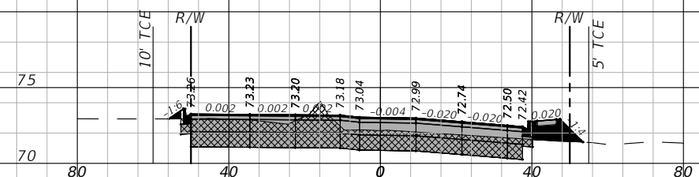
(END NEW PAVEMENT EARTHWORK)

(BEGIN EXISTING PAVEMENT EXPANSION & MILLING & RESURFACING EARTHWORK)



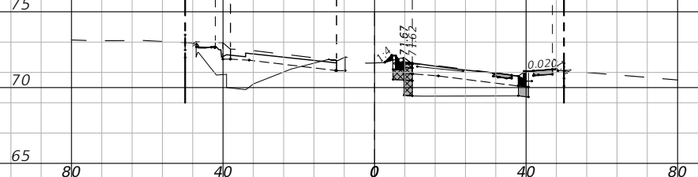


240+00.00



239+50.00

240+54.96



240+50.00

1" = 40' Horizontal
1" = 10' Vertical

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
11/30/22	ADDED TCE REFERENCES		

NOEL JOHN COOPER, P.E.
P.E. LICENSE NUMBER 69534
STATE OF FLORIDA, DATE: _____
VALID ONLY WITH EMBOSSED SEAL.

PREPARED BY

OCALA
CITY ENGINEER'S OFFICE

Gary Anson

NW 44th AVENUE EXTENSION PHASE 2

ROADWAY CROSS-SECTIONS - (24)

SHEET NO. 57

4/6/2023 6:19:29 PM T:_sd-ENG-Engineering-Department-Common\Interdisicplinary Projects\2020\20106 - NW 44th Ave (SR40-4000 ft

N = 1764113.9032
E = 593057.2251

SR 40

existing 16" wm

CP #1

199+00

200+00

existing hydrant

EXIST. POLE TO BE REMOVED AND EXIST. LINES TO BE CONNECTED BY OTHERS.

CP #2

R/W

proposed conc. sidewalk

STA:201+00
OFF:0'
INSTALL 12" BUTTERFLY VALVE & CAP

STA:201+06
OFF:0'
FUTURE DIRECTIONAL BORE TOOL EXITS @ 5° ANGLE TO PULL PVC PIPE BACK THRU BORE

201+00

100'

202+00

proposed asphalt roadway

203+00

NW 46TH AVE

STA:201+58
OFF:49'R
INSTALL 12" x 6" MJ DIP TEE & FIRE HYD ASS'Y (DET #W-3)

10' UTILITY EASEMENT
For Aerial Encroachment

1" = 40'

MATCHLINE 204+00

grass median

INSTALL ±279 LF OF 12" PVC WM (THIS SHT)

proposed conc. sidewalk

Span Guy & Pole By Others

INSTALL 12"x45° MJ DIP BENDS

existing 12" stm sewer

existing concrete encased AT&T fiber

existing 16" wm

existing 30" rcp

existing 10" san sewer

SR-40 R/W

SR-40 R/W

PROPOSED C/L OF ROAD

INSTALL 12"x11.25° DIP FITTING (TO BE BUTT-WEDED TO HDPE)

12" BUTTERFLY VALVE & CAP

INSTALL NEW 12" PVC WM (36" MIN COVER)

18" PIPE

proposed 15" rcp

70
67.5
65.0
62.5
60
57.5
55.0
52.5

199+00 200+00 201+00 202+00 203+00 204+00

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
02/09/23	Revised Pavement Limit		
2/15/23	Removed Bore For Water Line		

HECTOR A. COLON, PE
P.E. LICENSE NUMBER 84007
CITY OF OCALA, FLORIDA
1805 NE 30TH AVENUE
OCALA, FLORIDA 34470

PREPARED BY

OCALA
City Engineer's Office

PROJECT NO. ----

PROJECT NAME: NW 44TH AVENUE EXTENSION PHASE 2

UTILITY PLAN AND PROFILE (1)

SHEET NO. 58

Gary Anson 4/6/2023 6:20:10 PM T:_sd-ENG-Engineering-Department-Common\Interdisicplinary Projects\2020\20106 - NW 44th Ave (SR40-4000 ft N)\02010640000\Utils\21318001_DIRECTIONAL.dwg

1" = 40'

STA:205+60
OFF:49'L
INSTALL FIRE HYD ASS'Y
(DET #W-5)

INSTALL ±90LF OF
8" DIP WATER LINE

INSTALL 12"x8" MJ DIP TEE
& 8" GATE VALVE

INSTALL ±550 LF
OF 12" PVC WM
(THIS SHT)

proposed conc. sidewalk

STA:208+26
OFF:49'R
INSTALL 12" x 6" MJ DIP TEE &
FIRE HYD ASS'Y
(DET #W-3)

proposed conc. sidewalk

proposed asphalt roadway

grass
median

NW 46TH AVE

R/W

MATCHLINE
204+00

MATCHLINE
209+50

100'

204+00 205+00 206+00 207+00 208+00 209+00

75.0 72.5 70 67.5 65.0 62.5 60 57.5

PROPOSED C/L OF ROAD

proposed 18" rcp

18"
PIPE

24" PIPE

INSTALL NEW 12" PVC WM
(36" MIN COVER)

proposed 18" rcp

24" PIPE

proposed 18" rcp

24" PIPE

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

HECTOR A. COLON, PE
P.E. LICENSE NUMBER 84007
CITY OF OCALA, FLORIDA
1805 NE 30TH AVENUE
OCALA, FLORIDA 34470

PREPARED BY

OCALA
CITY ENGINEER'S OFFICE

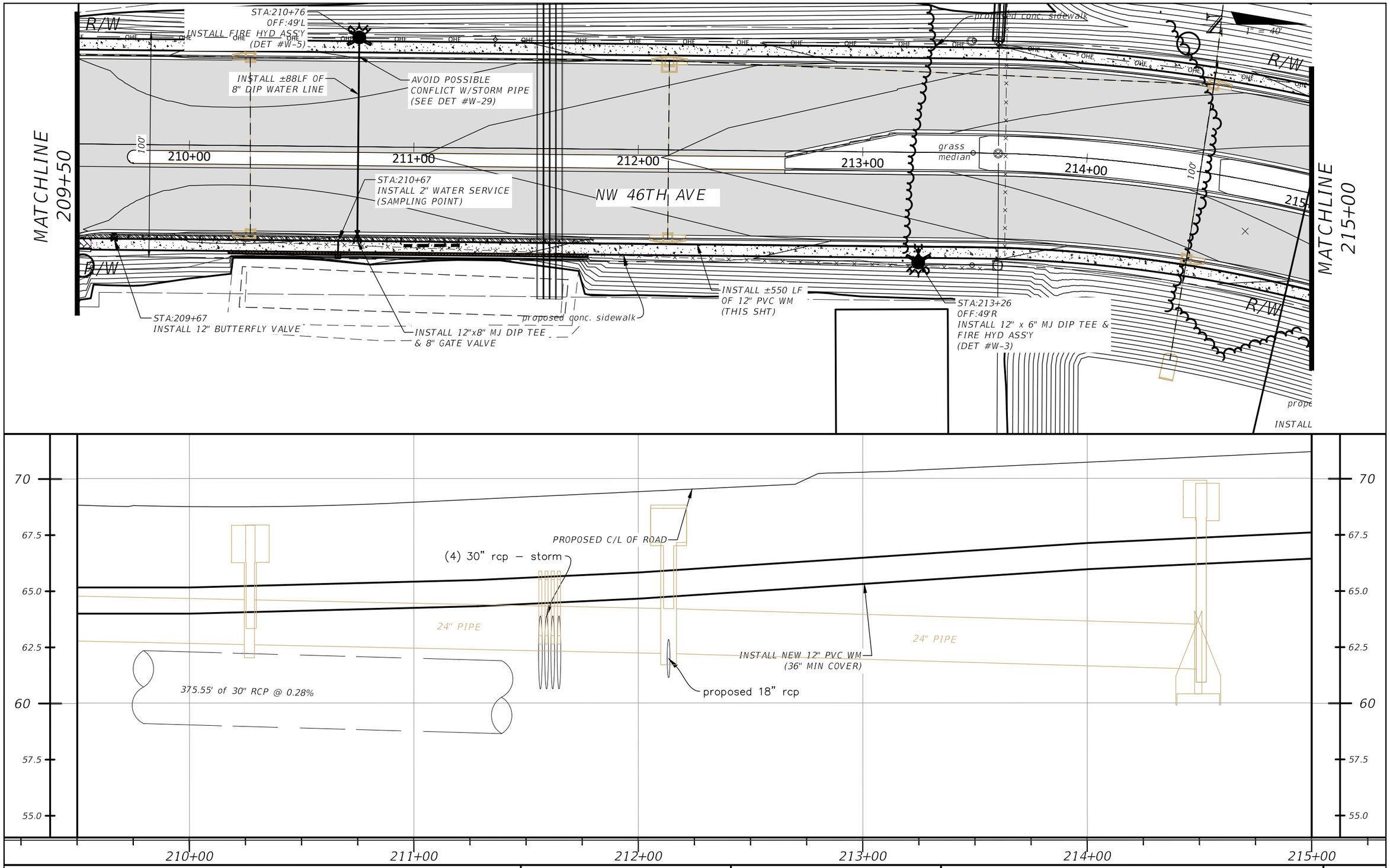
PROJECT NO. ----

PROJECT NAME: NW 44TH AVENUE EXTENSION PHASE 2

UTILITY PLAN AND PROFILE (2)

SHEET NO.
59

Gary Anson 4/6/2023 6:20:20 PM T:_sd-ENG-Engineering-Department-Common\Interdisicplinary Projects\2020\20106 - NW 44th Ave (SR40-4000 ft N)\02010640000\Utils\21318001_DIRECTIONAL.dwg



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

HECTOR A. COLON, PE
P.E. LICENSE NUMBER 84007
CITY OF OCALA, FLORIDA
1805 NE 30TH AVENUE
OCALA, FLORIDA 34470

PREPARED BY

OCALA
CITY ENGINEER'S OFFICE

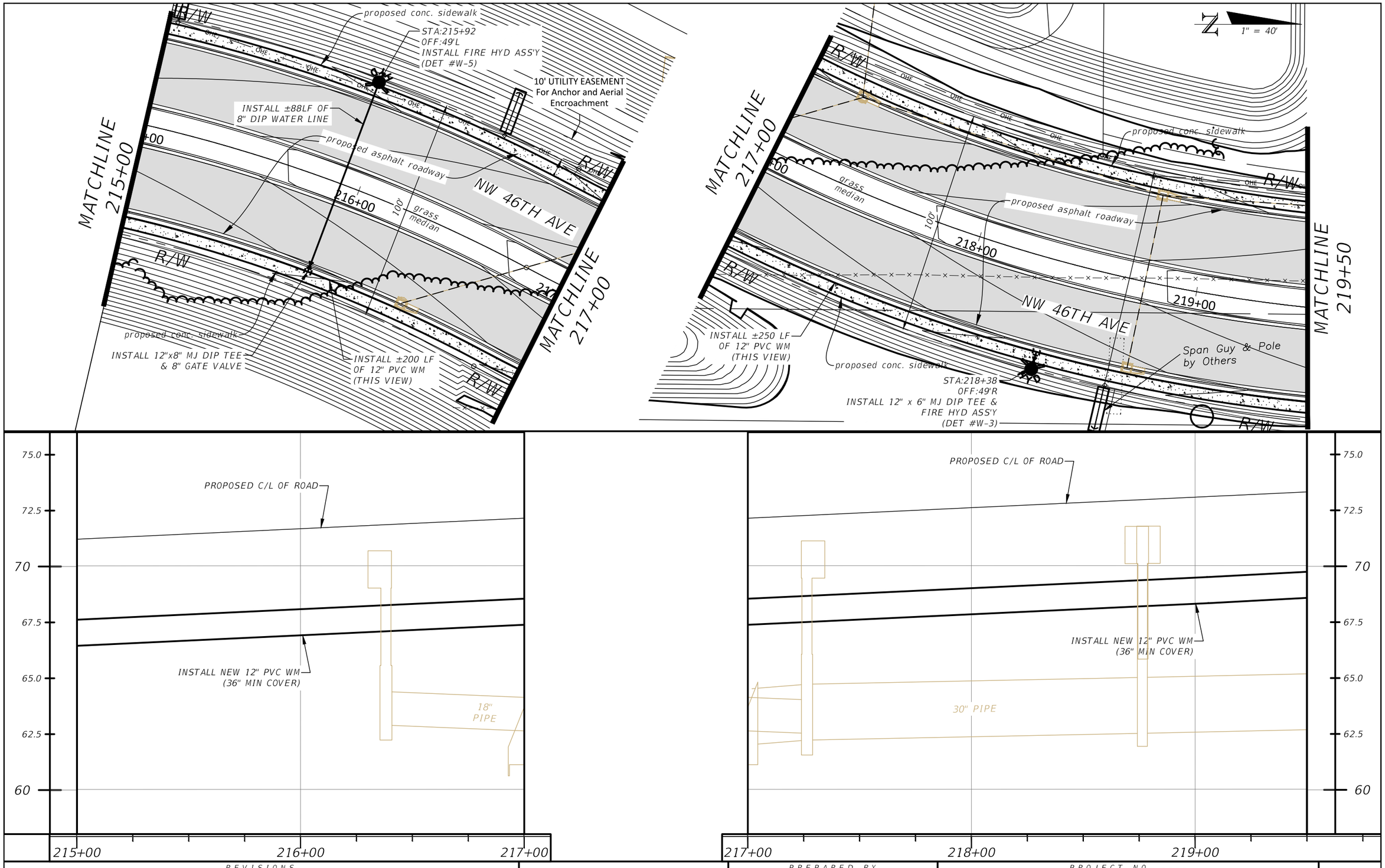
PROJECT NO. ----

PROJECT NAME: NW 44TH AVENUE EXTENSION PHASE 2

UTILITY PLAN AND PROFILE (3)

SHEET NO. 60

Gary Anson 4/6/2023 6:20:28 PM T:_sd-ENG-Engineering-Department-Common\Interdisicplinary Projects\2020\20106 - NW 44th Ave (SR40-4000 ft N)\02010640000\Utils\21318001_DIRECTIONAL.dwg



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

HECTOR A. COLON, PE
P.E. LICENSE NUMBER 84007
CITY OF OCALA, FLORIDA
1805 NE 30TH AVENUE
OCALA, FLORIDA 34470

PREPARED BY

OCALA
City Engineer's Office

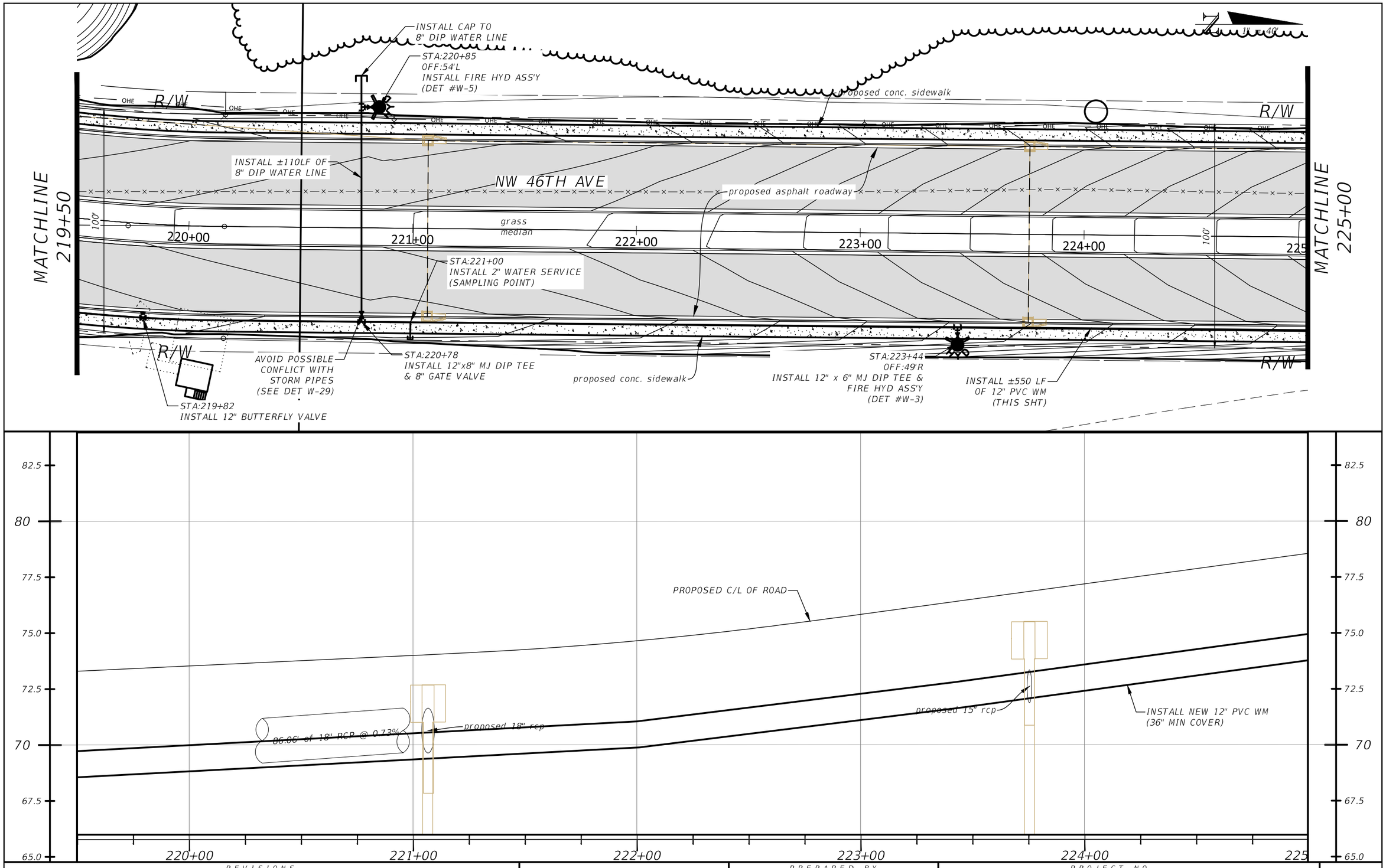
PROJECT NO. ----

PROJECT NAME: NW 44TH AVENUE EXTENSION PHASE 2

UTILITY PLAN AND PROFILE (4)

SHEET NO. 61

Gary Anson 4/6/2023 6:20:43 PM T:_sd-ENG-Engineering-Department-Common\Interdisicplinary Projects\2020\20106 - NW 44th Ave (SR40-4000 ft N)\02010640000\Utils\21318001_DIRECTIONAL.dwg



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

HECTOR A. COLON, PE
P.E. LICENSE NUMBER 84007
CITY OF OCALA, FLORIDA
1805 NE 30TH AVENUE
OCALA, FLORIDA 34470

PREPARED BY

OCALA
CITY ENGINEER'S OFFICE

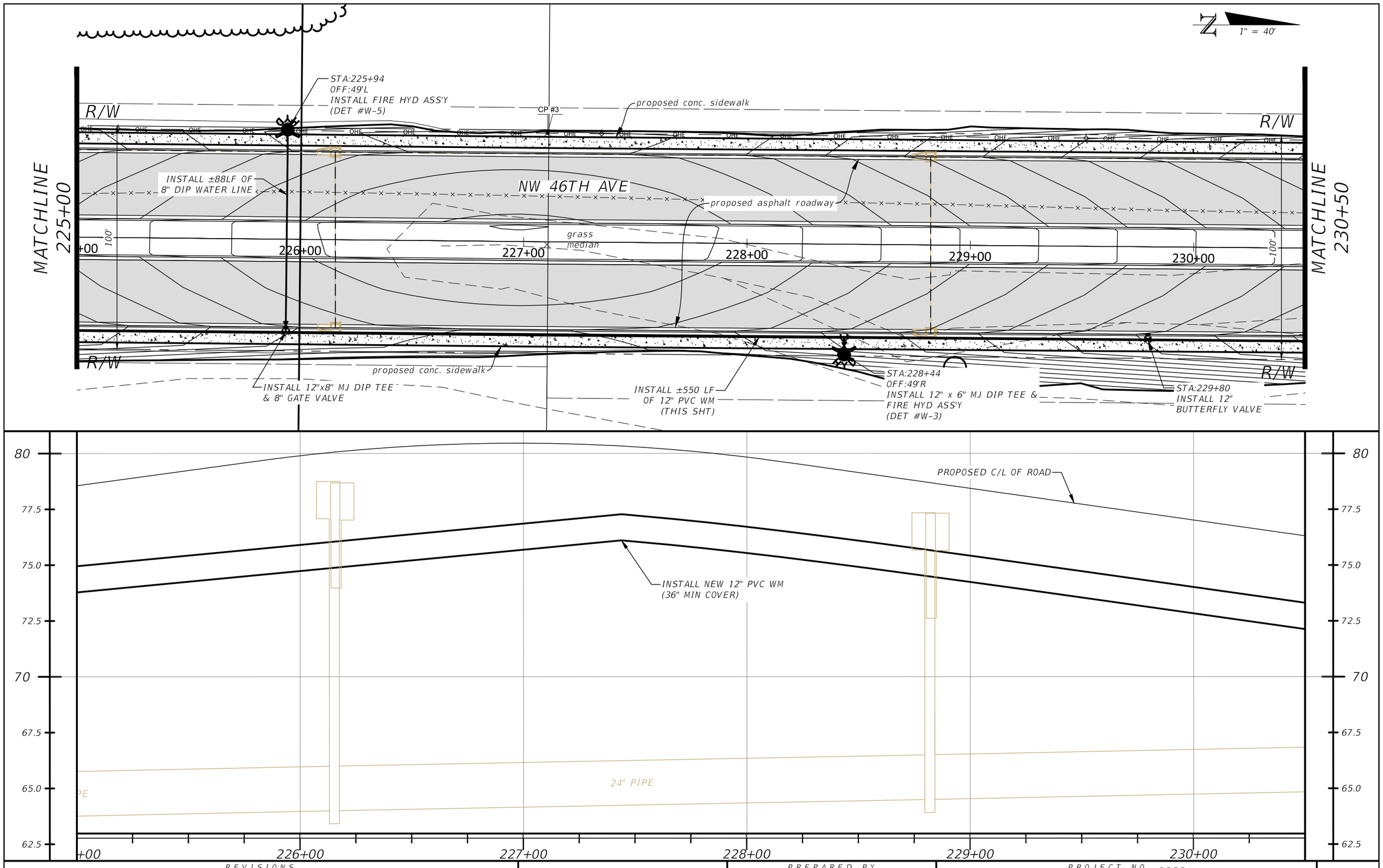
PROJECT NO. ----

PROJECT NAME: NW 44TH AVENUE EXTENSION PHASE 2

UTILITY PLAN AND PROFILE (5)

SHEET NO. 62

Gary Anson 4/6/2023 6:20:51 PM T:_sd-ENG-Engineering-Department-Common\Interdisicplinary Projects\2020\20106 - NW 44th Ave (SR40-4000 ft N)\02010640000\Utils\21318001_DIRECTIONAL.dwg



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

HECTOR A. COLON, PE
P.E. LICENSE NUMBER 84007
CITY OF OCALA, FLORIDA
1805 NE 30TH AVENUE
OCALA, FLORIDA 34470

PREPARED BY

OCALA
CITY ENGINEER'S OFFICE

PROJECT NO. ----

PROJECT NAME: NW 44TH AVENUE EXTENSION PHASE 2

UTILITY PLAN AND PROFILE (6)

SHEET NO. 63

Gary Anson 4/6/2023 6:20:58 PM T:_sd-ENG-Engineering-Department-Common\Interdisicplinary Projects\2020\20106 - NW 44th Ave (SR40-4000 ft N)\02010640000\Utils\21318001_DIRECTIONAL.dwg

1" = 40'

MATCHLINE 230+50

MATCHLINE 236+00

R/W

R/W

R/W

R/W

NW 46TH AVE

grass median

STA:230+94
OFF:49'L
INSTALL FIRE HYD ASS'Y
(DET #W-5)

proposed conc. sidewalk

INSTALL CAP TO
8" DIP WATER LINE

STA:234+15
OFF:54'L
INSTALL FIRE HYD ASS'Y
(DET #W-5)

INSTALL ±88LF OF
8" DIP WATER LINE

INSTALL SAN MH #1

INSTALL ±110LF OF
8" DIP WATER LINE

proposed asphalt roadway

100'

231+00

232+00

233+00

234+00

235+00

100'

STA:231+00
INSTALL 2" WATER SERVICE
(SAMPLING POINT)

INSTALL ±50 LF
OF 8" PVC STUBOUT

12" PIPE

INSTALL 12"x8" MJ DIP TEE
& 8" GATE VALVE

INSTALL ±550 LF
OF 12" PVC WM
(THIS SHT)

proposed conc. sidewalk

STA:233+44
OFF:49'R
INSTALL 12" x 6" MJ DIP TEE &
FIRE HYD ASS'Y
(DET #W-3)

STA:234+08
INSTALL 12"x8" MJ DIP TEE
& 8" GATE VALVE

77.5

75.0

72.5

70

67.5

65.0

62.5

60

PROPOSED C/L OF ROAD

INSTALL NEW 12" PVC WM
(36" MIN COVER)

proposed 18" rcp

24" PIPE

24" PIPE

proposed 18" rcp

proposed 18" rcp

INSTALL SAN MH #1
STA: 232+28.07 OFF: 0.76R
RIM: 73.78'
RIM TO SUMP HT: 10.90'
N INV: 62.877' (8" PVC)
W INV: 62.977'
(50 LF OF 8" PVC STUBOUT)

400 L.F. OF 8" PVC @ 0.45%

166.68' of 18" RCP @ 1.00%

231+00

232+00

233+00

234+00

235+00

236

77.5

75.0

72.5

70

67.5

65.0

62.5

60

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

HECTOR A. COLON, PE
P.E. LICENSE NUMBER 84007
CITY OF OCALA, FLORIDA
1805 NE 30TH AVENUE
OCALA, FLORIDA 34470

PREPARED BY

OCALA
CITY ENGINEER'S OFFICE

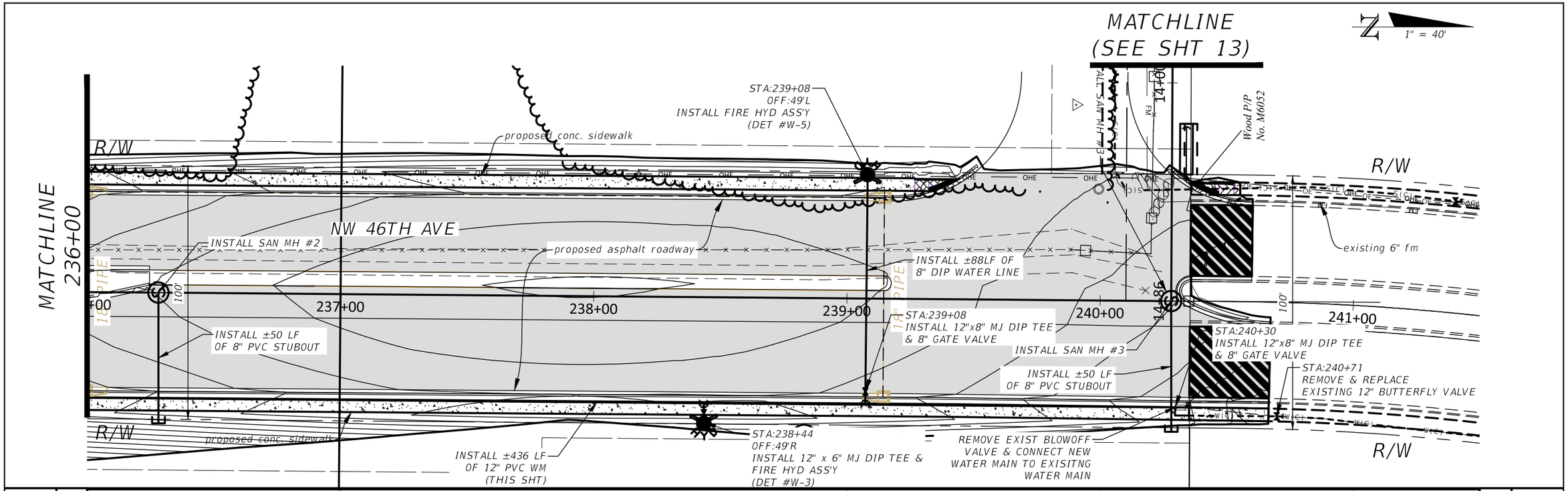
PROJECT NO. ----

PROJECT NAME: NW 44TH AVENUE EXTENSION PHASE 2

UTILITY PLAN AND PROFILE (7)

SHEET NO. 64

Gary Anson 4/6/2023 6:21:08 PM T:_sd-ENG-Engineering-Department-Common\Interdisicplinary Projects\2020\20106 - NW 44th Ave (SR40-4000 ft N)\02010640000\Utils\21318001_DIRECTIONAL.dwg



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

HECTOR A. COLON, PE
P.E. LICENSE NUMBER 84007
CITY OF OCALA, FLORIDA
1805 NE 30TH AVENUE
OCALA, FLORIDA 34470

PREPARED BY

OCALA
CITY ENGINEER'S OFFICE

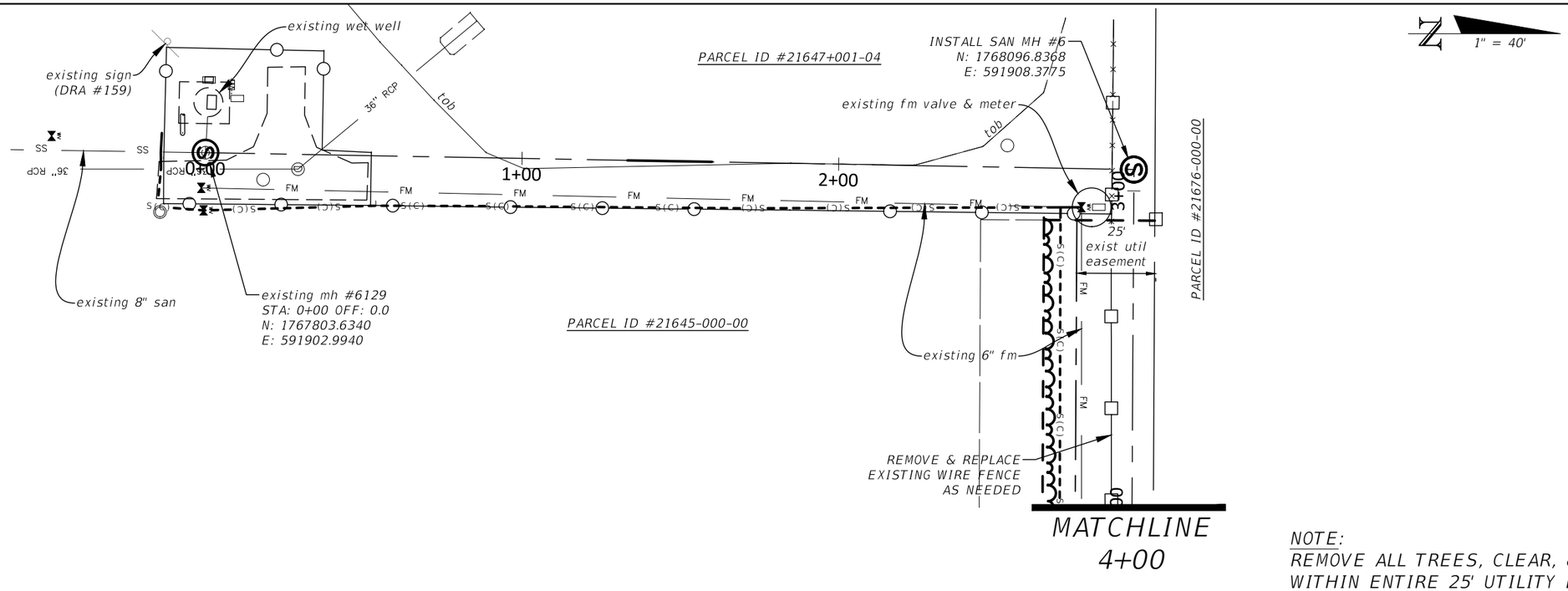
PROJECT NO. ----

PROJECT NAME: NW 44TH AVENUE EXTENSION PHASE 2

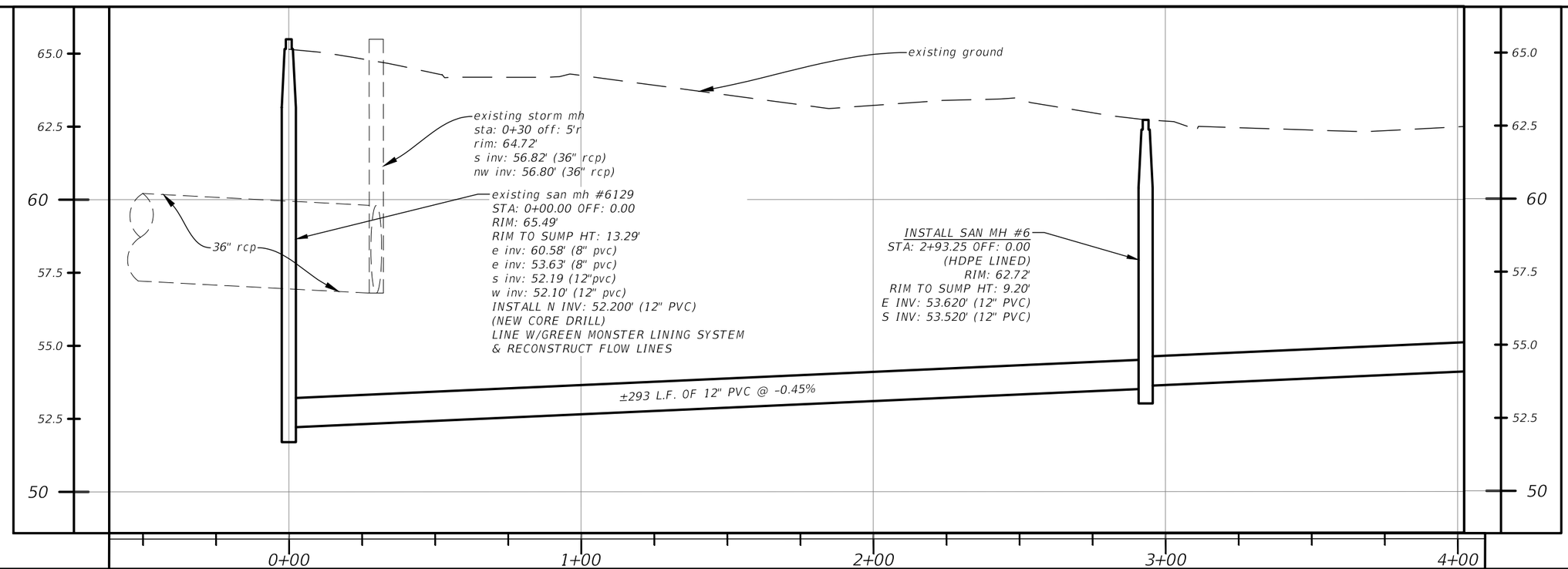
UTILITY PLAN AND PROFILE (8)

SHEET NO. 65

Gary Anson 4/6/2023 6:21:15 PM T:_sd-ENG-Engineering-Department-Common\Interdisicplinary Projects\2020\20106 - NW 44th Ave (SR40-4000 ft N)\02010640000\Utils\21318001_DIRECTIONAL.dwg



NOTE:
REMOVE ALL TREES, CLEAR, & GRUB
WITHIN ENTIRE 25' UTILITY EASEMENT



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

HECTOR A. COLON, PE
P.E. LICENSE NUMBER 84007
CITY OF OCALA, FLORIDA
1805 NE 30TH AVENUE
OCALA, FLORIDA 34470

PREPARED BY

OCALA
CITY ENGINEER'S OFFICE

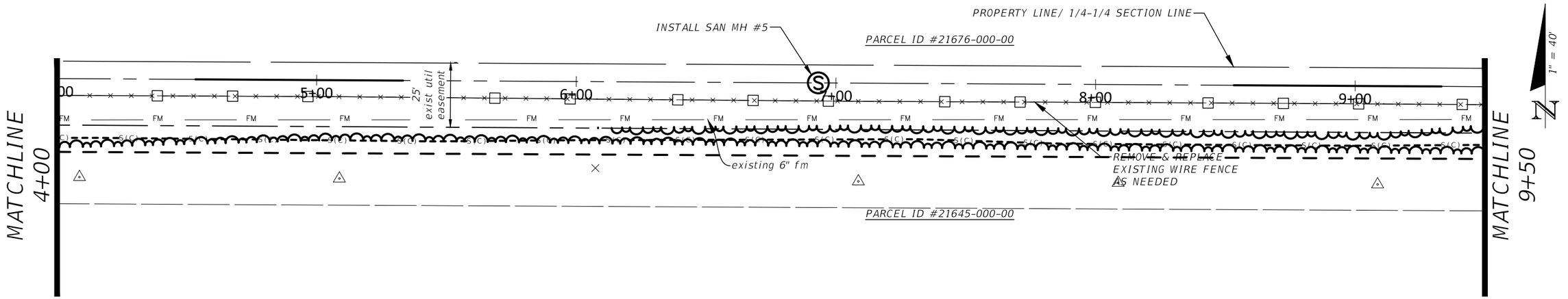
PROJECT NO. ----

PROJECT NAME: NW 44TH AVENUE EXTENSION PHASE 2

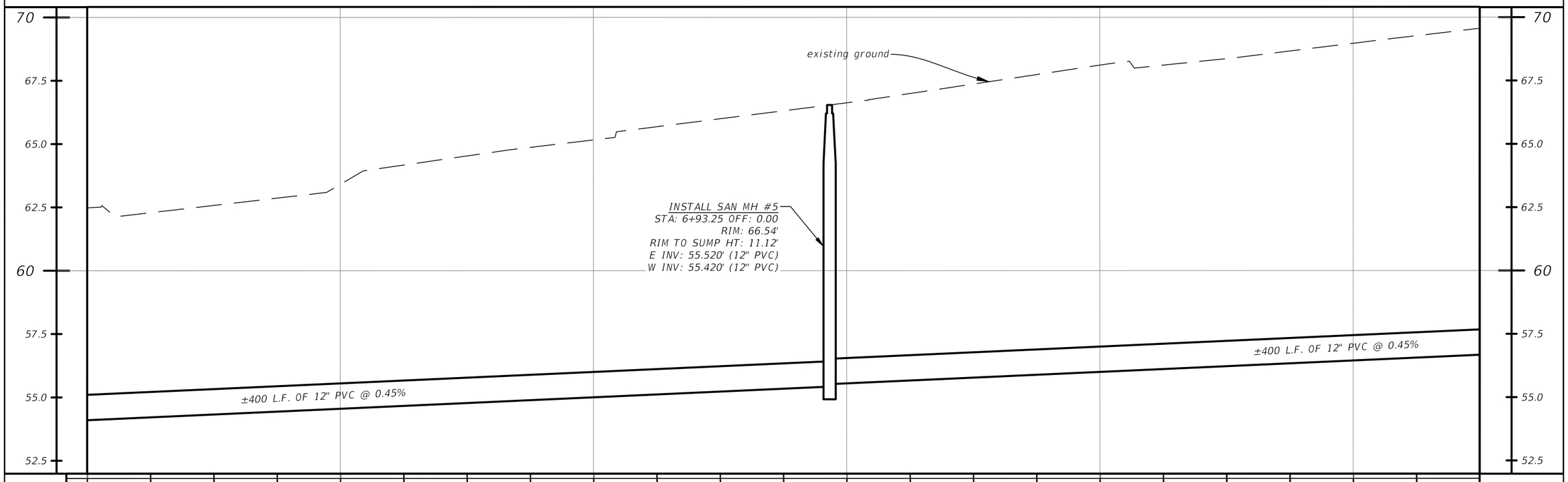
UTILITY PLAN AND PROFILE AT LS 87 (9)

SHEET NO. 66

Gary Anson 4/6/2023 6:21:25 PM T:_sd-ENG-Engineering-Department-Common\Interdisicplinary Projects\2020\20106 - NW 44th Ave (SR40-4000 ft N)\02010640000\Utils\21318001_DIRECTIONAL.dwg



NOTE:
REMOVE ALL TREES, CLEAR, & GRUB WITHIN ENTIRE 25' UTILITY EASEMENT



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

HECTOR A. COLON, PE
P.E. LICENSE NUMBER 84007
CITY 0F OCALA, FLORIDA
1805 NE 30TH AVENUE
OCALA, FLORIDA 34470

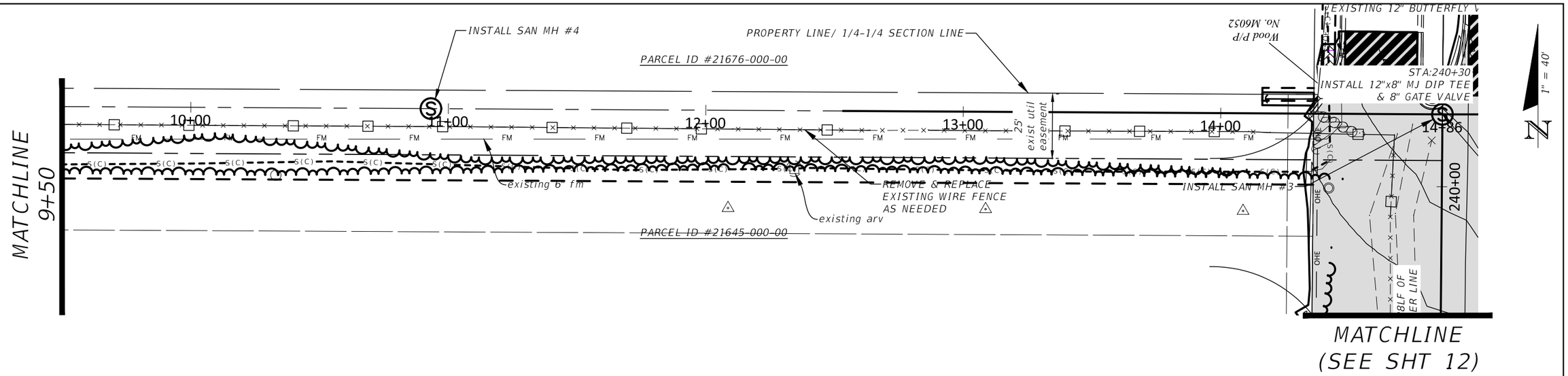
PREPARED BY
OCALA
CITY ENGINEER'S OFFICE

PROJECT NO. ----
PROJECT NAME: NW 44TH AVENUE EXTENSION PHASE 2

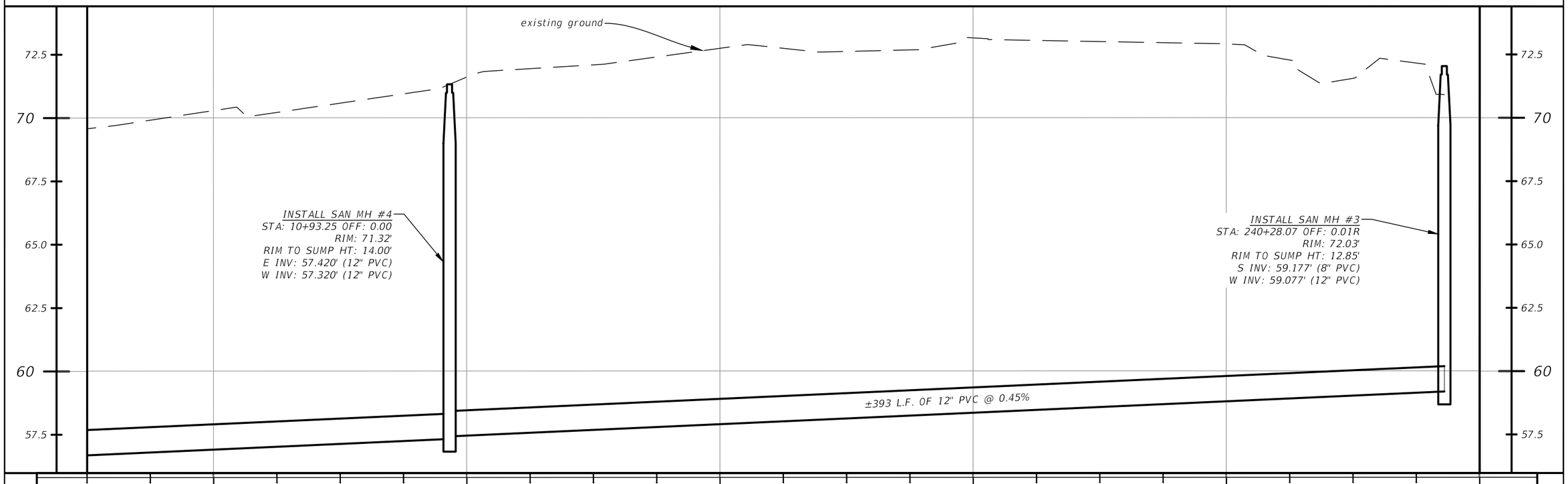
UTILITY PLAN AND PROFILE (10)

SHEET NO. 67

Gary Anson 4/6/2023 6:21:32 PM T:_sd-ENG-Engineering-Department-Common\Interdisicplinary Projects\2020\20106 - NW 44th Ave (SR40-4000 ft N)\02010640000\Utils\21318001_DIRECTIONAL.dwg



NOTE:
REMOVE ALL TREES, CLEAR, & GRUB WITHIN ENTIRE 25' UTILITY EASEMENT



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

HECTOR A. COLON, PE
P.E. LICENSE NUMBER 84007
CITY OF OCALA, FLORIDA
1805 NE 30TH AVENUE
OCALA, FLORIDA 34470

PREPARED BY
OCALA
CITY ENGINEER'S OFFICE

PROJECT NO. ----
PROJECT NAME: NW 44TH AVENUE EXTENSION PHASE 2

UTILITY PLAN AND PROFILE (11)

SHEET NO. 68

Gary Anson 4/6/2023 6:21:37 PM T:_sd-ENG-Engineering-Department-Common\Interdisicplinary Projects\2020\20106 - NW 44th Ave (SR40-4000 ft N)\02010640000\Utils\21318001_DIRECTIONAL.dwg

GENERAL NOTES:

1. ALL CONSTRUCTIONS SHALL BE IN ACCORDANCE TO THE JANUARY 2022 EDITION OF THE CITY OF OCALA'S "STANDARD SPECIFICATIONS FOR CONSTRUCTION OF STREETS, STORMWATER, TRAFFIC, WATER & SEWER INFRASTRUCTURE".
2. ALL UNSUITABLE MATERIALS ENCOUNTERED SHALL BE DISPOSED OF AND REPLACED WITH APPROVED MATERIALS.
3. NEW WATER MAIN TO BE INSTALLED AT 36" DEEP (MIN.) TO TOP OF PIPE EXCEPT WHERE VERTICAL ADJUSTMENTS ARE REQUIRED TO AVOID CONFLICTS. SEE ALSO NOTES 7 AND 8 BELOW.
4. ALL UTILITIES SHOWN ON THESE PLANS HAVE BEEN PLOTTED FROM THE BEST AVAILABLE RECORDS. HOWEVER, IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY THEIR LOCATIONS AND CONDITIONS FROM THE UTILITY AGENCIES PRIOR TO CONSTRUCTION.
5. EXCAVATED MATERIALS SHALL BE LOADED ONTO DUMP TRUCKS DIRECTLY BEHIND THE EQUIPMENT AND HAULED OFF TO THE DESIGNATED SITE. TRAFFIC CONTROL MEASURES SHALL BE PLACED ACCORDINGLY TO ACCOMMODATE THIS PROCESS.
6. INSTALL INLET PROTECTION DEVICES AT ALL INLETS TO MINIMIZE DEBRIS ENTERING THE STORM DRAIN SYSTEM. (AS APPROVED BY FDEP)
7. THE CONTRACTOR SHALL BE NOISE SENSITIVE FOR NIGHT OPERATIONS.
8. CONTRACTOR TO PERFORM HYDROSTATIC TESTING OF WATER MAIN AND WATER SERVICES.
9. NEW OR RELOCATED WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST 6 FEET AND PREFERABLY 10 FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING GRAVITY SEWER, SEWER FORCE MAIN, OR RECLAIMED WATER MAINS. THE MINIMUM HORIZONTAL SEPARATION DISTANCE BETWEEN WATER MAINS AND GRAVITY-TYPE SANITARY SEWERS SHALL BE REDUCED TO 3 FEET WHERE BOTTOM OF THE WATER MAIN IS LAID AT LEAST 6 INCHES ABOVE THE TOP OF THE SEWER. NEW OR RELOCATED UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR NEW GRAVITY SEWER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST 6 INCHES AND PREFERABLY 12 INCHES ABOVE OR AT LEAST 12 INCHES BELOW THE OUTSIDE OF THE OTHER PIPE LINE. IT IS PREFERABLE TO INSTALL THE WATER MAIN ABOVE OTHER PIPE LINES.
10. AT THE UTILITY CROSSINGS, ONE FULL LENGTH OF WATER MAIN PIPE SHALL BE CENTERED ABOVE OR BELOW THE CROSSING PIPELINES, SO THAT WATER LINE JOINTS ARE AS FAR AS POSSIBLE FROM THE CROSSING PIPE. PIPE CROSSINGS SHALL BE ARRANGED SO THAT ALL WATER MAIN JOINTS ARE AT LEAST 3 FEET FROM JOINTS IN VACUUM-TYPE RECLAIMED WATER SEWER MAINS AND AT LEAST 6 FEET FROM ALL JOINTS IN GRAVITY SEWERS AND SEWER FORCE MAINS.
11. WATER METER SERVICES MAY BE REMOVED/ADDED BASED ON ACTUAL FIELD CONDITIONS.
12. ACTUAL LOCATIONS AND SIZES OF WATER MAINS AND METERS MAY VARY FROM WHAT IS SHOWN. CONTRACTOR IS RESPONSIBLE FOR FIELD VISIT PRIOR TO BID.
13. TAPS MAY BE DELETED IF NEW MAIN CAN BE CONNECTED DIRECTLY TO OLD MAIN VIA PIPE-SLEEVES AND/OR EXISTING VALVES.
14. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE EXISTING SEWER LATERALS. CITY MAY PROVIDE AS-BUILTS IF REQUESTED.
15. WHERE WATER METERS ARE TO BE RELOCATED, THE COST OF MATERIAL AND LABOR TO RELOCATE THE METER BOX TO THE NEW LOCATION SHALL BE CONSIDERED PART OF THE RELOCATION COST AND SHALL INCLUDE METER RELOCATIONS WITHIN 20' OF THE ORIGINAL LOCATION. FOR RELOCATIONS MORE THAN 20' FROM THE OLD LOCATION, THE COST OF LABOR AND MATERIAL SHALL BE INCLUDED IN THE COST PER FOOT FOR "EXTENDING CUSTOMER SERVICE TO RELOCATED METER".
16. WHERE NON-STANDARD METER BOXES ARE FOUND, THE CONTRACTOR SHALL REPLACE THE EXISTING METER BOX WITH A STANDARD GULF BOX. UNIT PRICE SHALL INCLUDE ALL MATERIALS NECESSARY TO REMOVE AND REPLACE THE METER BOX.
17. WHERE WATER MAINS AND APPURTENANCES ARE TO BE ABANDONED, THE CONTRACTOR SHALL ABANDON THE SYSTEM AS FOLLOWS:
18. WATER VALVES – REMOVE ALL WATER VALVES ON ABANDONED WATER MAINS WHERE WATER MAINS CAN BE SHUT DOWN OR REDUCED TO A WORKABLE FLOW. FOR WATER MAINS THAT CANNOT BE SHUT DOWN FOR VALVE REMOVAL, THEN THE CONTRACTOR SHALL CLOSE THE VALVE, REMOVE VALVE BOX, CUT AND CAP PIPES ON DOWNSTREAM SIDE OF THE VALVE.
19. FIRE HYDRANTS – REMOVE ALL FIRE HYDRANT ASSEMBLIES (FROM VALVE TO HYDRANT) ON EXISTING MAINS WHICH ARE TO BE ABANDONED AND CAP TEE.
20. WATER SERVICES – CLOSE SERVICE VALVE AT WATER MAIN, THEN CUT AND CAP SERVICE PIPE AT SERVICE VALVE. REMOVE ALL METER BOXES, AND CAP ALL PIPES LEFT IN PLACE.
21. WATER MAINS – REMOVE PIPE WHERE REQUIRED FOR CONSTRUCTION. WHERE PIPES ARE LEFT IN PLACE, CAP ALL EXPOSED PIPES. WHERE PIPES LEFT IN PLACE ARE CUT, BROKEN, OR DAMAGED, THE PIPE IS TO BE CUT AND PIPE ENDS TO BE CAPPED ACCORDINGLY. IF REQUIRED FOR PIPES IN FDOT RIGHT-OF-WAY, THEN GROUT ALL ABANDONED PIPES AND FILL WITH FLOWABLE FILL.
22. WHERE PAVEMENT HAS TO BE REMOVED, REPLACE PAVEMENT IN ACCORDANCE WITH DETAIL 478-6.1B TO PROPERLY ABANDON THE WATER MAIN. PAVEMENT IN FDOT RIGHT-OF-WAY SHALL BE REPLACED TO FDOT STANDARDS IN ACCORDANCE WITH PERMIT REQUIREMENTS. RE-STRIPE PAVEMENT AS REQUIRED.
23. WHERE 2" WATER MAINS ARE CALLED FOR ON THE PLANS, INSTALL STANDARD 2" PVC WATER MAINS IN ALL CITY RIGHT OF WAYS AND 2" HDPE IN ALL FDOT RIGHT OF WAYS. FOR ALL DRIVEWAY AND STREET CROSSINGS, CITY AND FDOT, DIRECTIONAL BORE 2" HDPE. AT THE DISCRETION OF THE ENGINEER, DIRECTIONAL BORES MAY BE EXTENDED BETWEEN REQUIRED BORES TO AVOID MULTIPLE TRANSITIONS BETWEEN PIPE MATERIALS IN A SHORT AREA OF PIPE.
24. REVIEW AND COMPLY WITH THE "SPECIAL PROVISIONS" AND OTHER ATTACHMENTS TO THE FDOT PERMIT FOR THIS PROJECT.
25. CALL "FLORIDA SUNSHINE ONE-CALL" FOR UTILITY LOCATION SERVICES AT LEAST 2 BUSINESS DAYS PRIOR TO CONSTRUCTION (1-800-432-4770).
26. COORDINATE ALL UTILITY CLEARANCES WITH THE OWNER OF SUCH UTILITIES PRIOR TO CONSTRUCTION COMMENCEMENT.

CITY OF OCALA STANDARD DETAILS REQUIRED:

1. TYPICAL UTILITY LOCATIONS IN 100' RIGHT-OF-WAY WITH CURB & GUTTER #G-4
2. RESTRAINED JOINT SYSTEM #G-11
3. VALVE BOX INSTALLATION #G-13 & G-14
4. LOCATING WIRE #G-15 (A-G)
5. TRENCH EXCAVATION #G-16
6. TRENCH BACKFILL #G-18
7. SEPARATION OF WATER MAINS #W-2
8. FIRE HYDRANT ASSEMBLY (PERPENDICULAR TO MAIN) #W-3
9. FIRE HYDRANT ASSEMBLY (PARALLEL TO MAIN) #W-4
10. WATER MAIN TAP (4" AND ABOVE) #W-26
11. TEMPORARY BLOWOFF ASSEMBLY #W-27
12. WATER MAIN BY-PASS #W-29
13. TEMPORARY JUMPER CONNECTION #W-30
14. TEMPORARY JUMPER CONNECTION (WITH FIRE HYDRANT) #W-31
15. PRECAST CONCRETE MANHOLE (5' TO 12' DEPTH) #SS-3
16. PRECAST CONCRETE MANHOLE (OVER 12' DEPTH) #SS-4
17. SEWER HINGED MANHOLE COVER #SS-5A
18. SEWER MANHOLE STUBOUT #SS-7
19. SEWER MANHOLE JOINT CONSTRUCTION #SS-8
20. JACKING & BORING DETAIL #G-8

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
----	----		

HECTOR A. COLON, PE
P.E. LICENSE NUMBER 84007
CITY OF OCALA, FLORIDA
1805 NE 30TH AVENUE
OCALA, FLORIDA 34470

PREPARED BY

OCALA
CITY ENGINEER'S OFFICE

NW 44th AVENUE EXTENSION PHASE 2

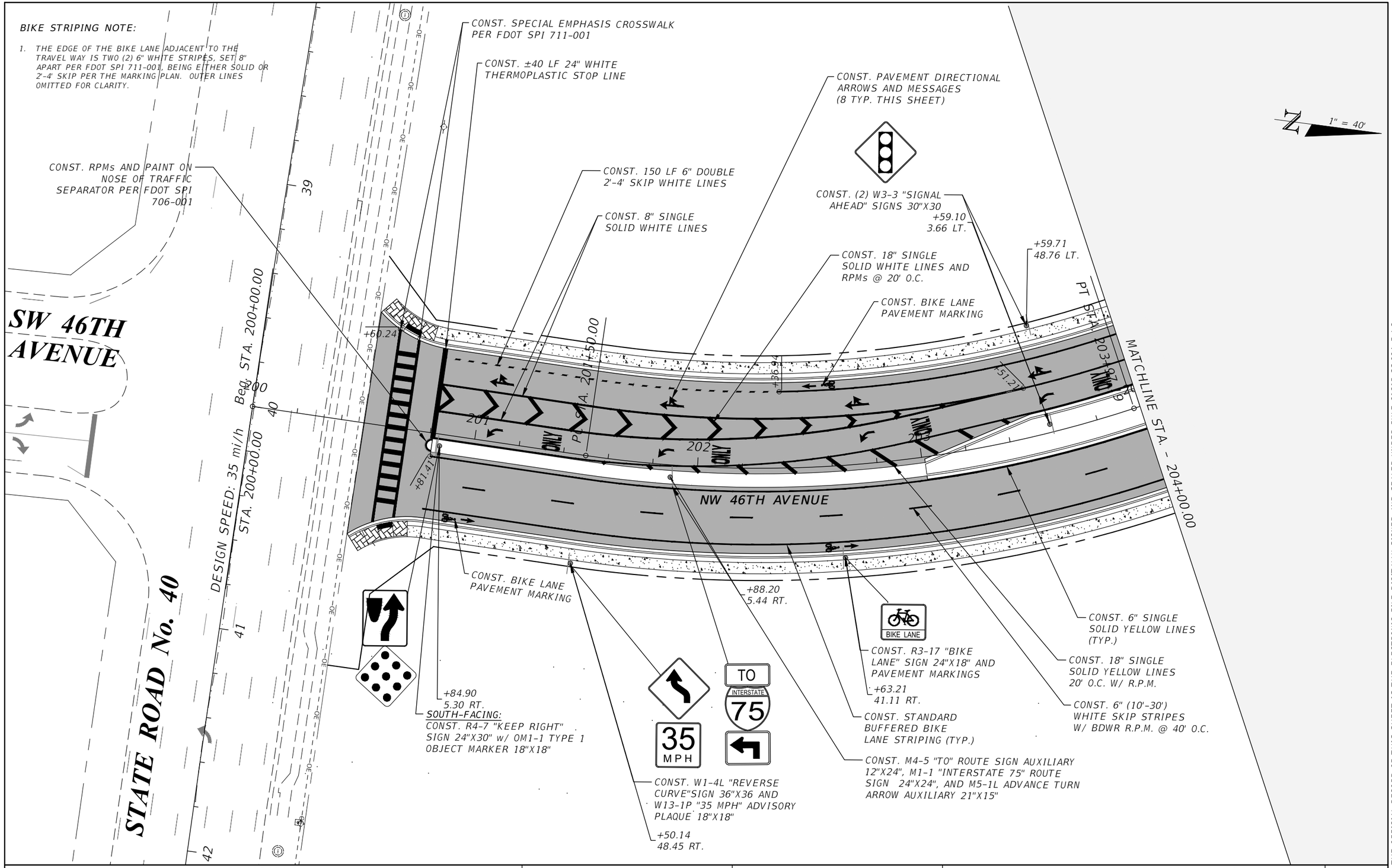
UTILITY NOTES

SHEET NO.

69

BIKE STRIPING NOTE:

1. THE EDGE OF THE BIKE LANE ADJACENT TO THE TRAVEL WAY IS TWO (2) 6" WHITE STRIPES, SET 8" APART PER FDOT SPI 711-001, BEING EITHER SOLID OR 2'-4' SKIP PER THE MARKING PLAN. OUTER LINES OMITTED FOR CLARITY.



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REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION
1/25/23	Revised Striping	----	----
2/9/23	Revised Project's Starting Point		
4/6/23	Revised notes & pavement markings		

NOEL JOHN COOPER, P.E.
P.E. LICENSE NUMBER 69534
STATE OF FLORIDA, DATE: _____
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CITY ENGINEER'S OFFICE

NW 44th AVENUE EXTENSION PHASE 2

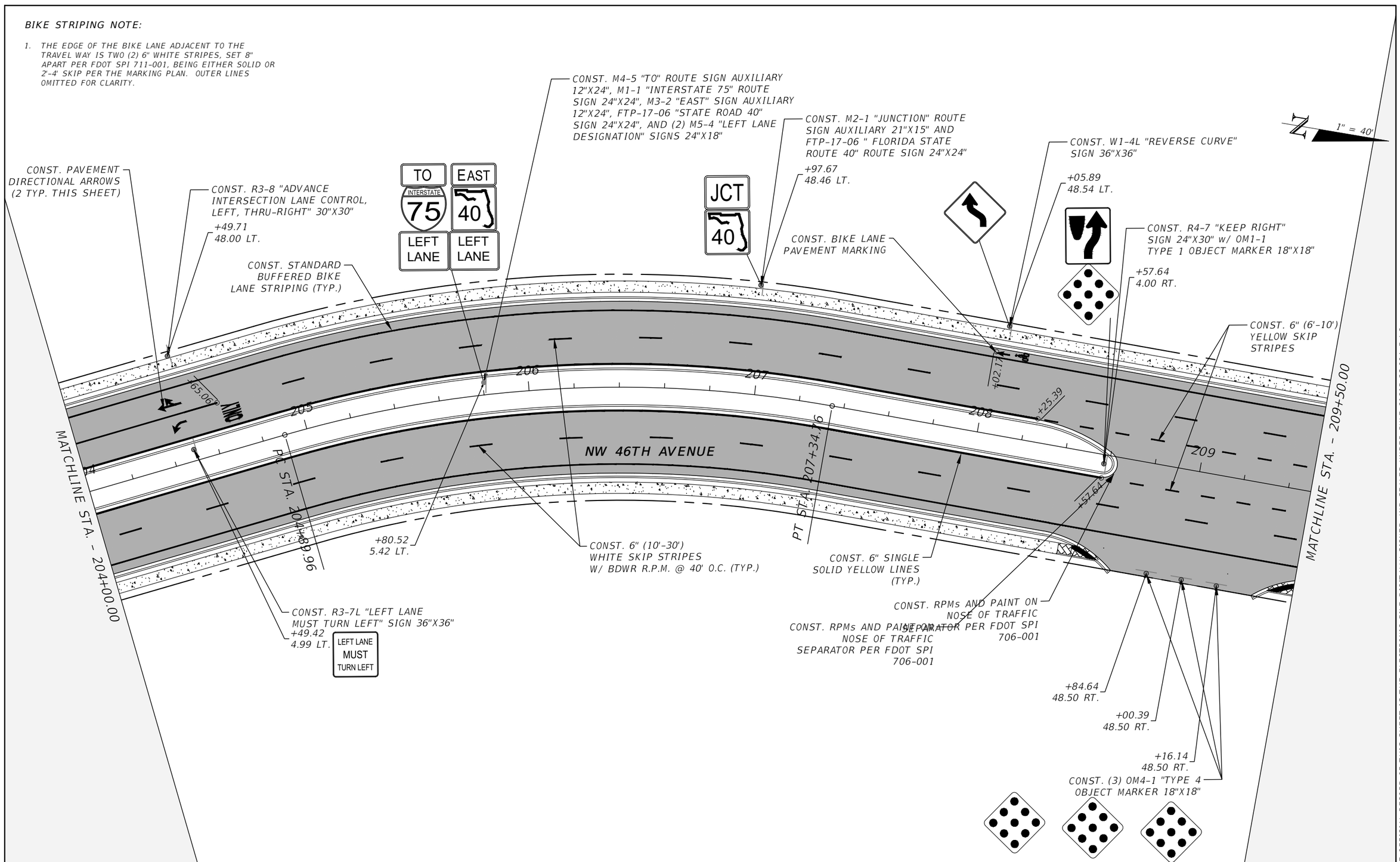
SIGNAGE AND STRIPING PLAN (1)

SHEET NO. 70

Gary Anson 4/6/2023 6:22:15 PM T:_sd-ENG-Engineering-Department-Common\Interdisicplinary Projects\2020\20106 - NW 44th Ave (SR40-4000 ft

BIKE STRIPING NOTE:

1. THE EDGE OF THE BIKE LANE ADJACENT TO THE TRAVEL WAY IS TWO (2) 6" WHITE STRIPES, SET 8" APART PER FDOT SPI 711-001, BEING EITHER SOLID OR 2'-4' SKIP PER THE MARKING PLAN. OUTER LINES OMITTED FOR CLARITY.



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
4/6/23	Revised notes, pavement markings, & signs	----	----

NOEL JOHN COOPER, P.E.
P.E. LICENSE NUMBER 69534
STATE OF FLORIDA, DATE: _____
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Gary Anson

NW 44th AVENUE EXTENSION PHASE 2

SIGNAGE AND STRIPING PLAN (2)

SHEET NO. 71

4/6/2023 6:22:17 PM T:_sd-ENG-Engineering-Department-Common\Interdisicplinary Projects\2020\20106 - NW 44th Ave (SR40-4000 ft

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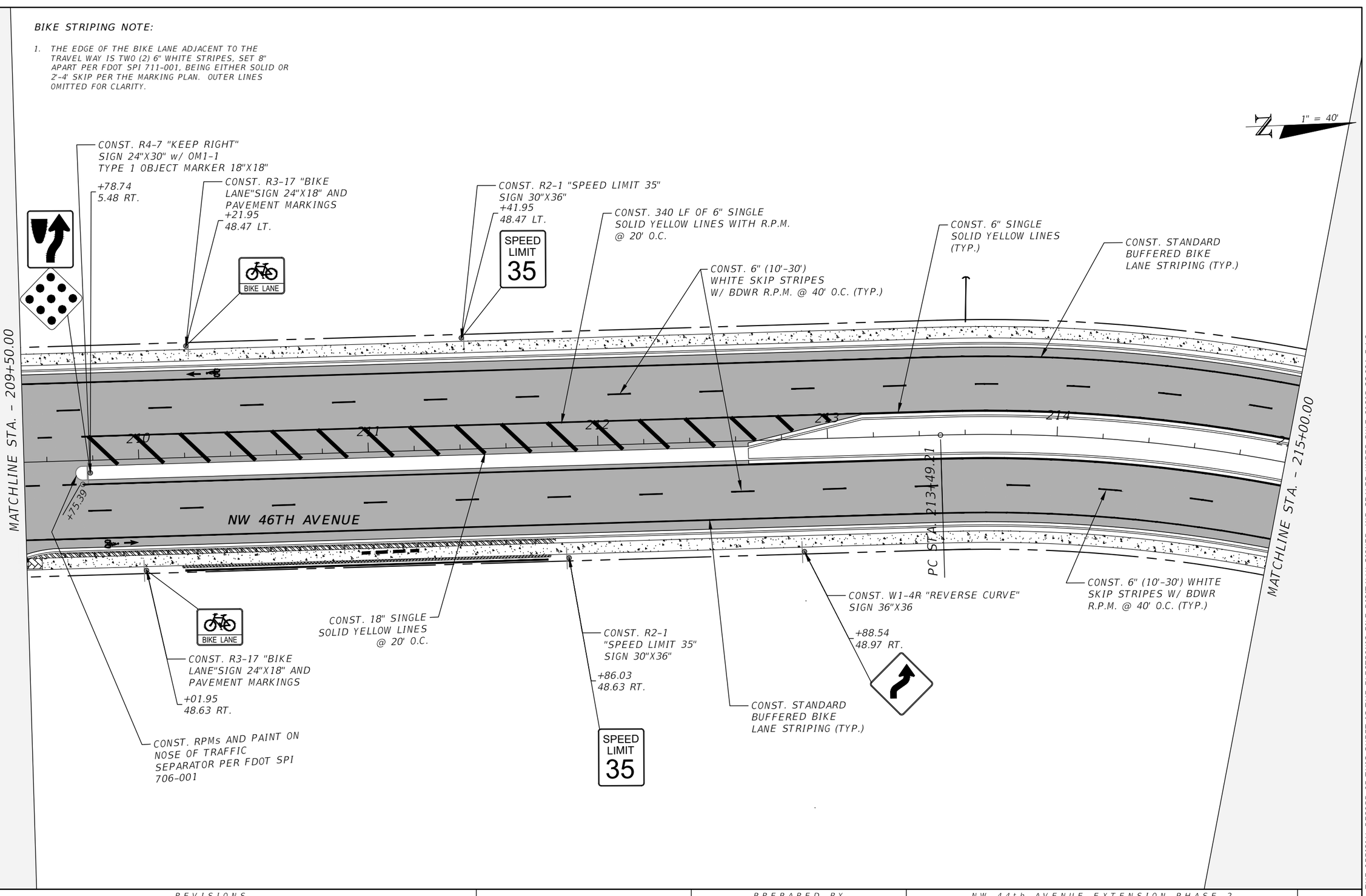
BIKE STRIPING NOTE:

1. THE EDGE OF THE BIKE LANE ADJACENT TO THE TRAVEL WAY IS TWO (2) 6" WHITE STRIPES, SET 8" APART PER FDOT SPI 711-001, BEING EITHER SOLID OR 2'-4' SKIP PER THE MARKING PLAN. OUTER LINES OMITTED FOR CLARITY.



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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
4/6/23	Revised notes, pavement markings, & signs	----	----

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NW 44th AVENUE EXTENSION PHASE 2

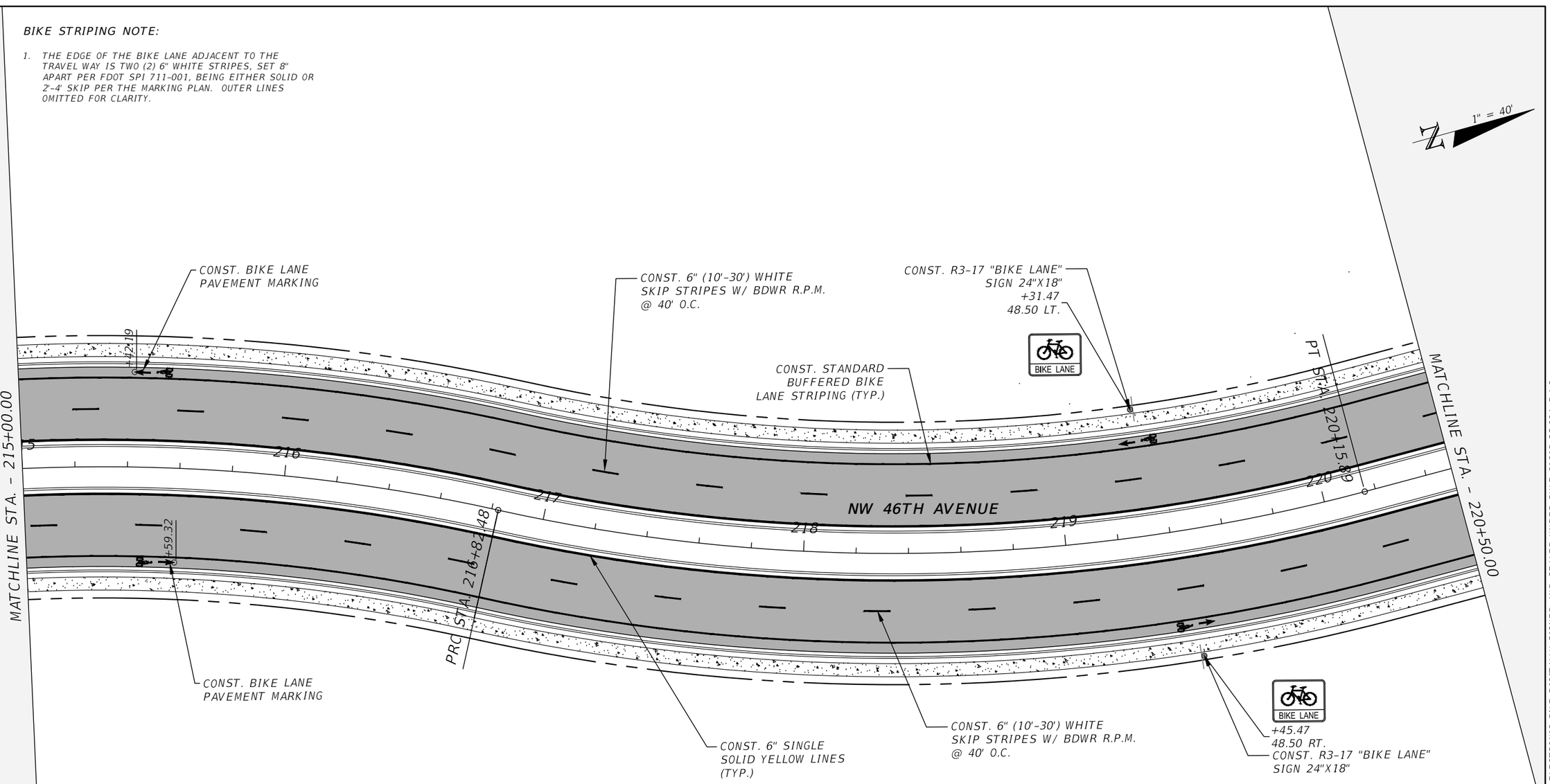
SIGNAGE AND STRIPING PLAN (3)

SHEET NO. 72

Gary Anson 4/6/2023 6:22:18 PM T:_sd-ENG-Engineering-Department-Common\Interdisicplinary Projects\2020\20106 - NW 44th Ave (SR40-4000 ft

BIKE STRIPING NOTE:

1. THE EDGE OF THE BIKE LANE ADJACENT TO THE TRAVEL WAY IS TWO (2) 6" WHITE STRIPES, SET 8" APART PER FDOT SPI 711-001, BEING EITHER SOLID OR 2'-4' SKIP PER THE MARKING PLAN. OUTER LINES OMITTED FOR CLARITY.



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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
4/6/23	Revised notes	----	----

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P.E. LICENSE NUMBER 69534
STATE OF FLORIDA, DATE: _____
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NW 44th AVENUE EXTENSION PHASE 2

SIGNAGE AND STRIPING PLAN (4)

SHEET NO. 73

Gary Anson 4/6/2023 6:22:19 PM T:_sd-ENG-Engineering-Department-Common\Interdisicplinary Projects\2020\20106 - NW 44th Ave (SR40-4000 ft

BIKE STRIPING NOTE:

1. THE EDGE OF THE BIKE LANE ADJACENT TO THE TRAVEL WAY IS TWO (2) 6" WHITE STRIPES, SET 8" APART PER FDOT SPI 711-001, BEING EITHER SOLID OR 2'-4' SKIP PER THE MARKING PLAN. OUTER LINES OMITTED FOR CLARITY.

1" = 40'

CONST. W1-4R "REVERSE CURVE" SIGN 36"X36

+66.12
48.47 LT.

CONST. 6" (10'-30') WHITE SKIP STRIPES W/ BDWR R.P.M. @ 40' O.C.

CONST. STANDARD BUFFERED BIKE LANE STRIPING (TYP.)

NW 46TH AVENUE

221 222 223 224 225 22

MATCHLINE STA. - 220+50.00

DESIGN SPEED: 50 mi/h

STA. 221+10.00

MATCHLINE STA. - 226+00.00

CONST. STANDARD BUFFERED BIKE LANE STRIPING (TYP.)

CONST. 6" (10'-30') WHITE SKIP STRIPES W/ BDWR R.P.M. @ 40' O.C.

CONST. 6" SINGLE SOLID YELLOW LINES (TYP.)

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
4/6/23	Revised notes & signs	----	----

NOEL JOHN COOPER, P.E.
P.E. LICENSE NUMBER 69534
STATE OF FLORIDA, DATE: _____
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NW 44th AVENUE EXTENSION PHASE 2

SIGNAGE AND STRIPING PLAN (5)

SHEET NO. 74

Gary Anson 4/6/2023 6:22:20 PM T:_sd-ENG-Engineering-Department-Common\Interdisicplinary Projects\2020\20106 - NW 44th Ave (SR40-4000 ft

BIKE STRIPING NOTE:

1. THE EDGE OF THE BIKE LANE ADJACENT TO THE TRAVEL WAY IS TWO (2) 6" WHITE STRIPES, SET 8" APART PER FDOT SPI 711-001, BEING EITHER SOLID OR 2'-4' SKIP PER THE MARKING PLAN. OUTER LINES OMITTED FOR CLARITY.

1" = 40'

CONST. R3-17 "BIKE LANE" SIGN 24"X18" AND PAVEMENT MARKINGS
+12.76
48.64 LT.

BIKE LANE

CONST. BIKE LANE PAVEMENT MARKING

CONST. STANDARD BUFFERED BIKE LANE STRIPING (TYP.)

CONST. 6" (10'-30') WHITE SKIP STRIPES W/ BDWR R.P.M. @ 40' O.C.

+41.74

AT STA. 227+10.93

226

227

228

229

230

231

MATCHLINE STA. - 226+00.00

MATCHLINE STA. - 231+50.00

NW 46TH AVENUE

+62.39

CONST. 6" SINGLE SOLID YELLOW LINES (TYP.)

CONST. 6" (10'-30') WHITE SKIP STRIPES W/ BDWR R.P.M. @ 40' O.C.

CONST. BIKE LANE PAVEMENT MARKING

BIKE LANE

CONST. R3-17 "BIKE LANE" SIGN 24"X18" AND PAVEMENT MARKINGS
+12.76
48.30 RT.

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
4/6/23	Revised notes	----	----

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P.E. LICENSE NUMBER 69534
STATE OF FLORIDA, DATE: _____
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NW 44th AVENUE EXTENSION PHASE 2

SIGNAGE AND STRIPING PLAN (6)

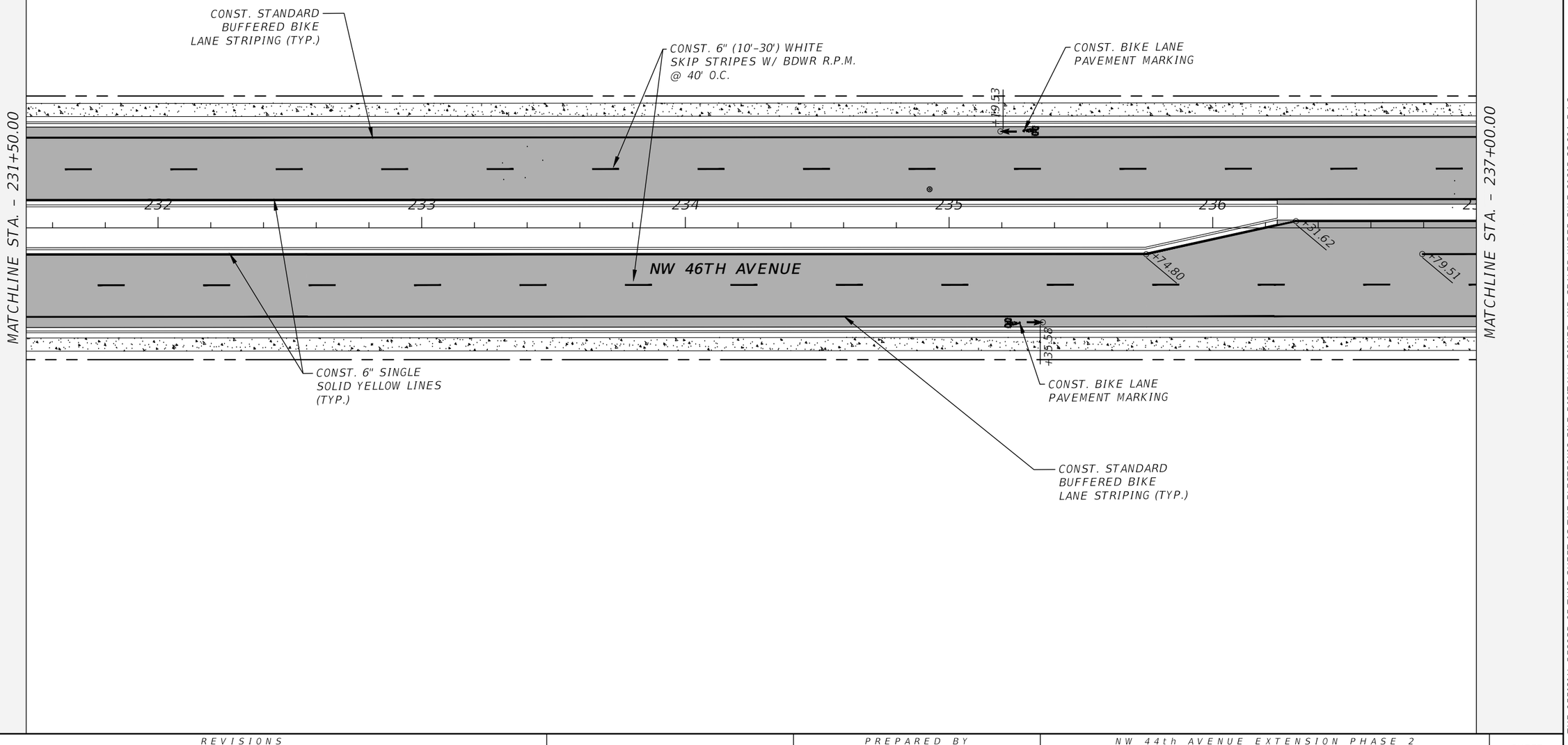
SHEET NO. 75

Gary Anson 4/6/2023 6:22:21 PM T:_sd-ENG-Engineering-Department-Common\Interdisicplinary Projects\2020\20106 - NW 44th Ave (SR40-4000 ft

BIKE STRIPING NOTE:

1. THE EDGE OF THE BIKE LANE ADJACENT TO THE TRAVEL WAY IS TWO (2) 6" WHITE STRIPES, SET 8" APART PER FDOT SPI 711-001, BEING EITHER SOLID OR 2'-4' SKIP PER THE MARKING PLAN. OUTER LINES OMITTED FOR CLARITY.

1" = 40'



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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
4/6/23	Revised notes	----	----

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STATE OF FLORIDA, DATE: _____
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NW 44th AVENUE EXTENSION PHASE 2

SIGNAGE AND STRIPING PLAN (7)

SHEET NO. 76

Gary Anson 4/6/2023 6:22:22 PM T:_sd-ENG-Engineering-Department-Common\Interdisicplinary Projects\2020\20106 - NW 44th Ave (SR40-4000 ft

BIKE STRIPING NOTE:

1. THE EDGE OF THE BIKE LANE ADJACENT TO THE TRAVEL WAY IS TWO (2) 6" WHITE STRIPES, SET 8" APART PER FDOT SPI 711-001, BEING EITHER SOLID OR 2'-4' SKIP PER THE MARKING PLAN. OUTER LINES OMITTED FOR CLARITY.

1" = 40'

CONST. 6" SINGLE SOLID YELLOW LINES (TYP.)

CONST. R2-1 "SPEED LIMIT 40" SIGN 30"X36"
+39.49
49.04 LT.

CONST. STANDARD BUFFERED BIKE LANE STRIPING (TYP.)

CONST. RPMs AND PAINT ON NOSE OF TRAFFIC SEPARATOR PER FDOT SPI 706-001

CONST. 6" (10'-30') WHITE SKIP STRIPES W/ BDWR R.P.M. @ 40' O.C.

CONST. RPMs AND PAINT ON NOSE OF TRAFFIC SEPARATOR PER FDOT SPI 706-001

REMOVE AND REINSTALL EXIST. R3-17 "BIKE LANE" SIGN 24"X18" AND BIKE LANE PAVEMENT MARKINGS
+20.48
48.06 LT.

NW 46TH AVENUE

237 238 239 240 241 242

+14.26
+14.50
+14.51
+35.88
+59.77
+67.45

PC STA. 240+35.54

PC STA. 240+54.96

CONST. 6" SINGLE SOLID WHITE LINES WITH R.P.M. @ 20' O.C. (TYP.)

CONST. STANDARD BUFFERED BIKE LANE STRIPING (TYP.)

CONST. PAVEMENT DIRECTIONAL ARROWS (3 TYP. THIS SHEET)

+10.70
6.06 LT.

CONST. R4-7 "KEEP RIGHT" SIGN 24"X30" w/ OM1-1 TYPE 1 OBJECT MARKER 18"X18"

+37.64
3.89 LT.

CONST. R4-7 "KEEP RIGHT" SIGN 24"X30" w/ OM1-1 TYPE 1 OBJECT MARKER 18"X18"

EXISTING SIGN ASSEMBLIES AND BIKE LANE PAVEMENT MARKING TO REMAIN

CONST. 6" (10'-30') WHITE SKIP STRIPES W/ BDWR R.P.M. @ 40' O.C.

CONST. 6" (6'-10') YELLOW SKIP STRIPES

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
4/6/23	Revised notes, pavement markings, & signs	----	----

NOEL JOHN COOPER, P.E.
P.E. LICENSE NUMBER 69534
STATE OF FLORIDA, DATE: _____
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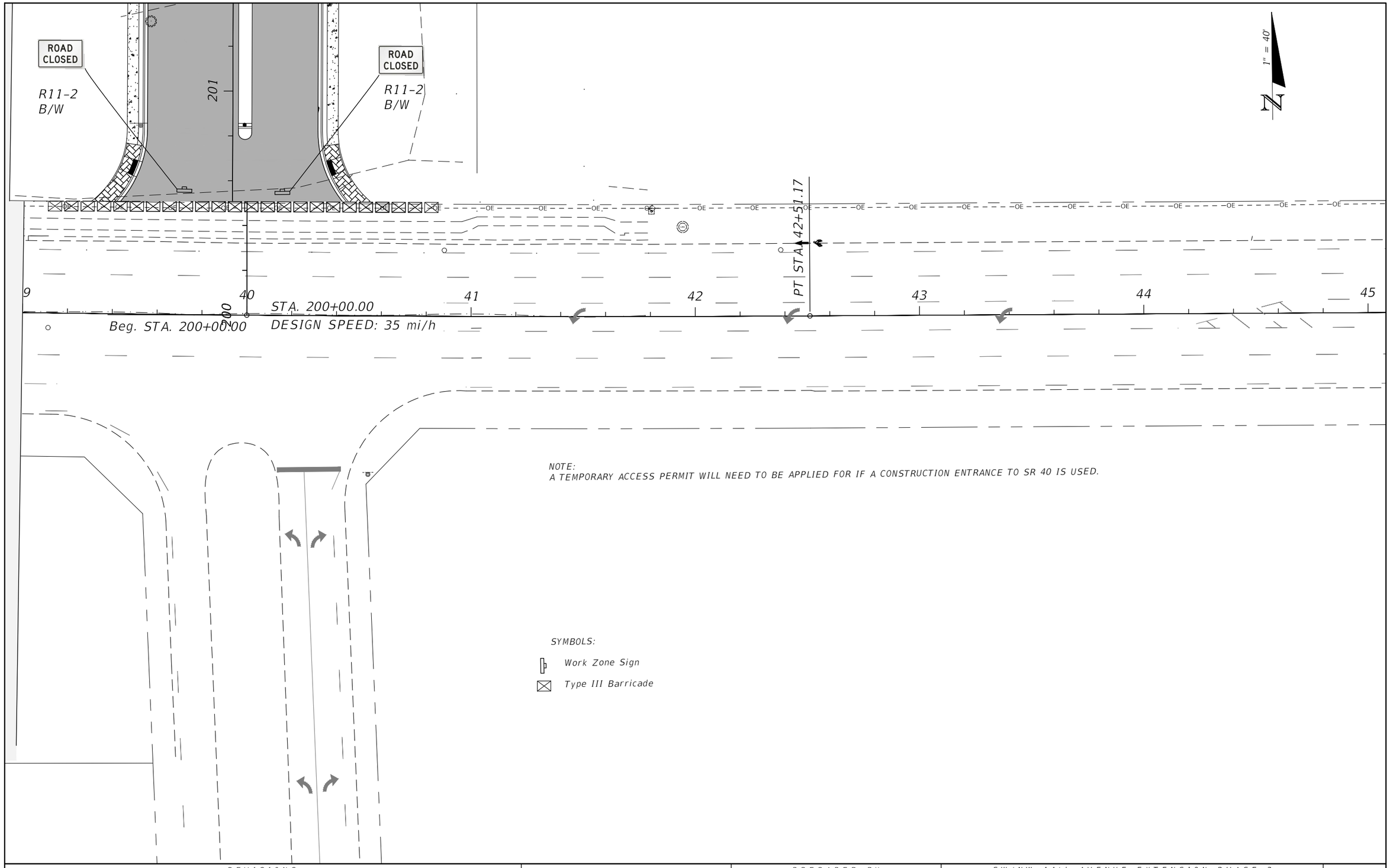
Gary Anson

NW 44th AVENUE EXTENSION PHASE 2

SIGNAGE AND STRIPING PLAN (8)

SHEET NO. 77

4/6/2023 6:22:23 PM T:_sd-ENG-Engineering-Department-Common\Interdisicplinary Projects\2020\20106 - NW 44th Ave (SR40-4000 ft



NOTE:
A TEMPORARY ACCESS PERMIT WILL NEED TO BE APPLIED FOR IF A CONSTRUCTION ENTRANCE TO SR 40 IS USED.

SYMBOLS:

Work Zone Sign

Type III Barricade

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
1/25/23	REMOVED PROPOSED STRIPING		
2/15/23	REMOVED TEMPORARY PEDESTRIAN WAY		
3/8/23	MODIFIED NOTES FOR PEDESTRIAN WAY & SIGN LOCATION.		

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P.E. LICENSE NUMBER 69534
STATE OF FLORIDA, DATE: _____
VALID ONLY WITH EMBOSSED SEAL.

PREPARED BY

OCALA
CITY ENGINEER'S OFFICE

Gary Anson

SW/NW 44th AVENUE EXTENSION PHASE 2

TEMPORARY TRAFFIC CONTROL PLAN (NW 44th AVE & SR 40)

SHEET NO. 78

4/6/2023 6:22:58 PM T:_sd-ENG-Engineering-Department-Common\Interdisicplinary Projects\2020\20106 - NW 44th Ave (SR40-4000 ft