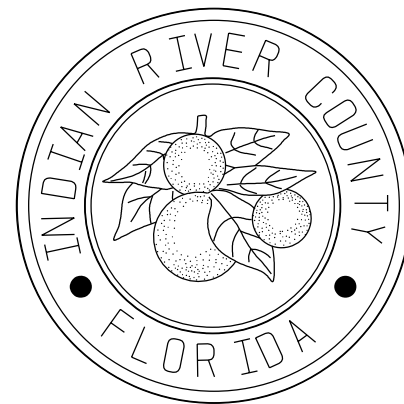


COMPONENTS OF CONTRACT PLAN SET

- ROADWAY PLANS
- BRIDGE PLANS
- LANDSCAPE PLANS
- IRRIGATION PLANS

INDIAN RIVER COUNTY

BOARD OF COUNTY COMMISSIONERS



INDEX OF SHEETS

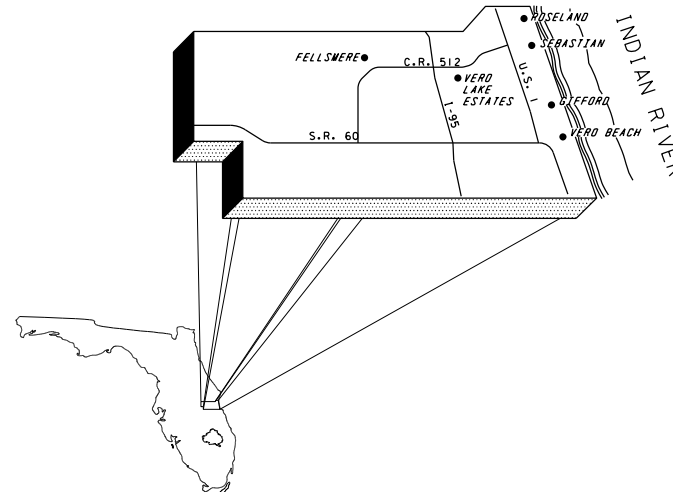
SHEET No.	DESCRIPTION
1	COVER SHEET
2-7	DRAINAGE MAPS
8-12	TYPICAL SECTIONS
13	SUMMARY OF QUANTITIES
14-16	SUMMARY OF DRAINAGE STRUCTURES
17	REFERENCE TIES
18	GENERAL NOTES
19-22	DETAILS
23-34	PLAN AND PROFILE SHEETS
35-44	SIDE STREETS PLAN AND PROFILE SHEETS
45-48	PLATEAU PLAN & PROFILE SHEETS
49-58	DRAINAGE STRUCTURES SHEETS
59-64	DETENTION AREAS & DETAILS
65-71	DRIVEWAY CROSS SECTIONS
72-92	CROSS SECTIONS
93-108	SIDE STREET CROSS SECTIONS
109-112	STORM WATER POLLUTION PREVENTION PLANS
UT-1 - UT-3	UTILITY PLANS
S-1 - S-15	SIGNING & PAVEMENT MARKINGS PLANS

66 th AVENUE - PHASE 1A

*NORTH OF 49TH STREET TO NORTH OF 57TH STREET
STA. 294+93 TO STA. 354+00*

THESE PLANS HAVE BEEN PREPARED IN ACCORDANCE WITH AND ARE GOVERNED BY THE STATE OF FLORIDA, DEPARTMENT OF TRANSPORTATION, DESIGN STANDARDS. (BOOKLET DATED JANUARY, 2015)

GOVERNING SPECIFICATIONS:
THE FLORIDA DEPARTMENT OF TRANSPORTATION, STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION, DATED 2015, AND SPECIAL PROVISIONS THERETO IF NOTED IN THE CONTRACT SPECIFICATIONS FOR THIS PROJECT.



LENGTH OF PROJECT		
	MILES	FEET
ROADWAY	1.948	10,283.82
BRIDGES	0	0
NET LENGTH OF PROJ.	0	0
EXCEPTIONS	0	0
GROSS LENGTH OF PROJ.	1.948	10,283.82

ENGINEER'S CERTIFICATION

I HEREBY CERTIFY THAT THE ATTACHED PLANS AND DESIGN ARE IN SUBSTANTIAL COMPLIANCE WITH THE DESIGN STANDARDS AND CRITERIA IN EFFECT ON THIS DATE FOR INDIAN RIVER COUNTY ENGINEERING DEPARTMENT AND THE STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION.

DATE: _____ PROFESSIONAL ENGINEER • 26640

ROBERT W. LAWSON, P.E.

Department of Public Works
Engineering Division

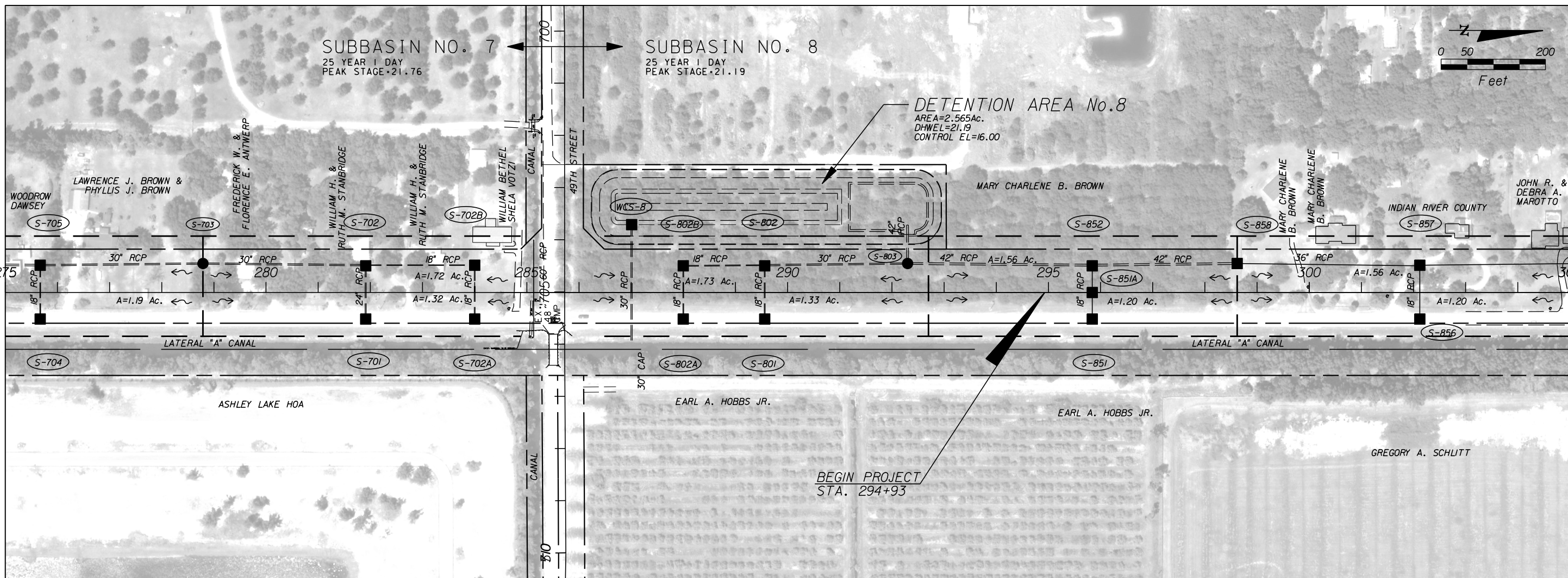
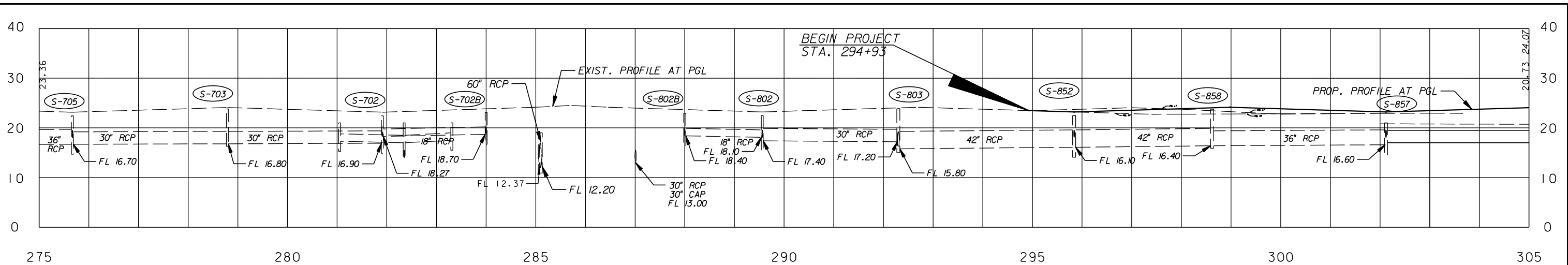


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BY:	
REVISION:	
NO:	
SCALE: N.T.S.	
APPROVED:	
DRAWN: BF	
CHECKED: HD	
DATE: 12-20	
FIELD BOOK NO:	

PROJECT:
PLANS OF PROPOSED
ROADWAY
66th AVENUE - PHASE 1A
NORTH OF 49th STREET TO NORTH OF 57th STREET

SHEET:	1
OF:	112
PROJECT NO.	A1053
IRC JOB NO.	1505





NO.	REVISION	BY	DATE

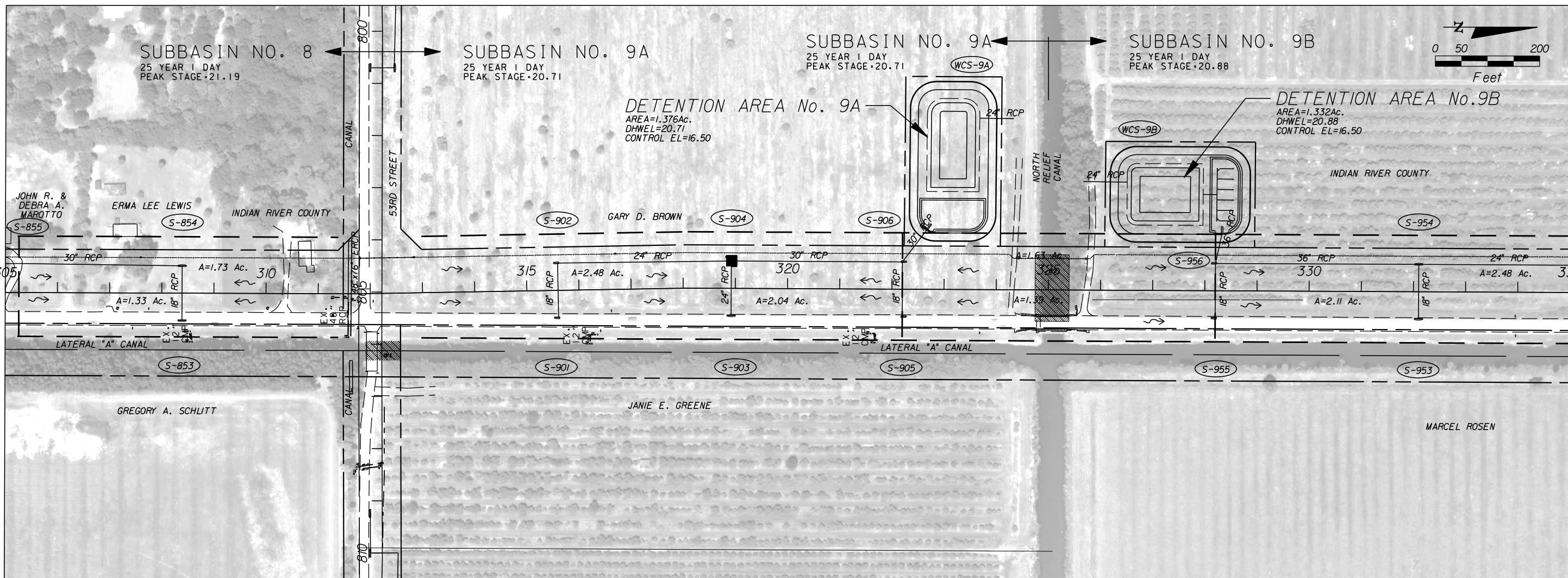
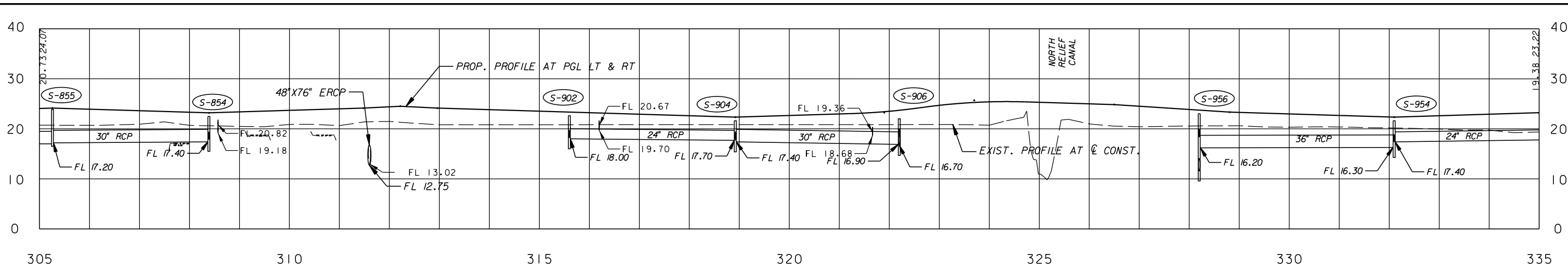


Department of Public Works
 Engineering Division

SCALE: 1"=200'
 APPROVED: B.F.
 DRAWN: H.D.
 CHECKED: H.D.
 DATE: 12-20
 FIELD BOOK NO:

DRAINAGE MAP
66 TH AVENUE-PHASE 1A
 NORTH OF 49TH ST. TO NORTH OF 57TH ST.

SHEET 2 OF 112
 PROJECT NO. A1053
 IRC_JOB_NO. 1505



08310 / LC26000269

ARCADIS U.S., INC.
 1500 GATEWAY BLVD. SUITE 200, BOYNTON BEACH, FL 33426
 (561) 697-7000, FAX (561) 369-4731

NO.	REVISION	BY	DATE



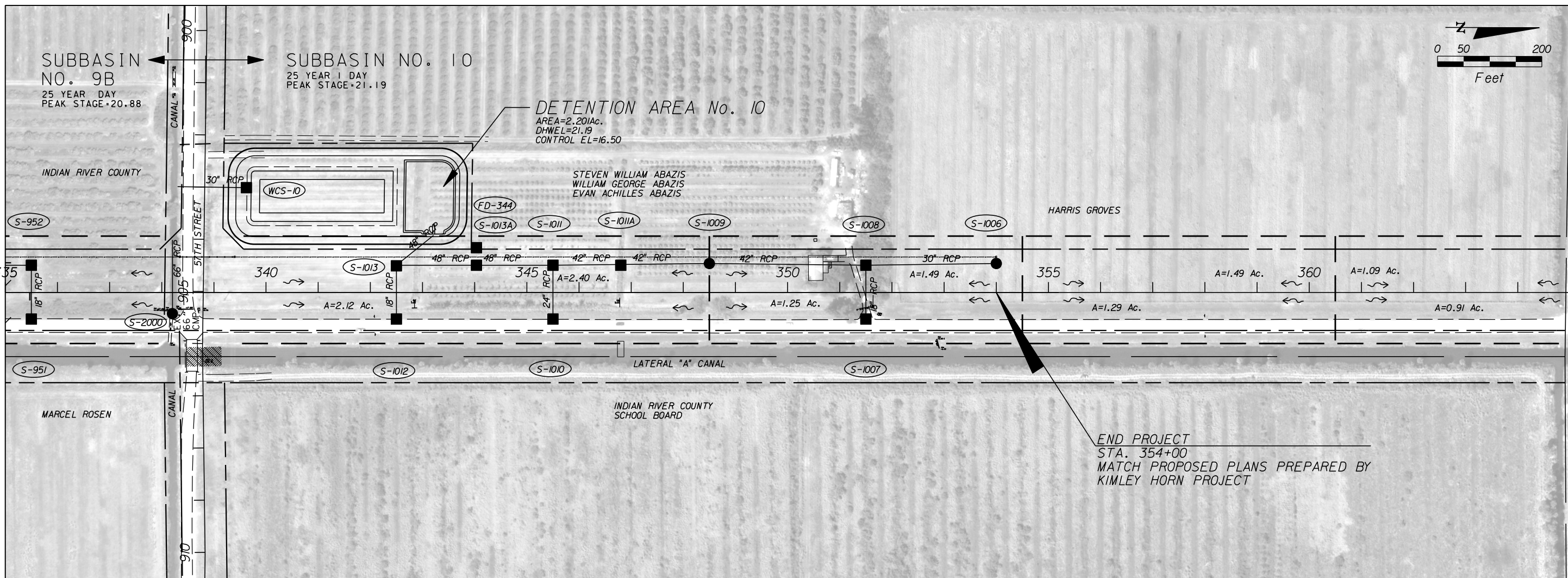
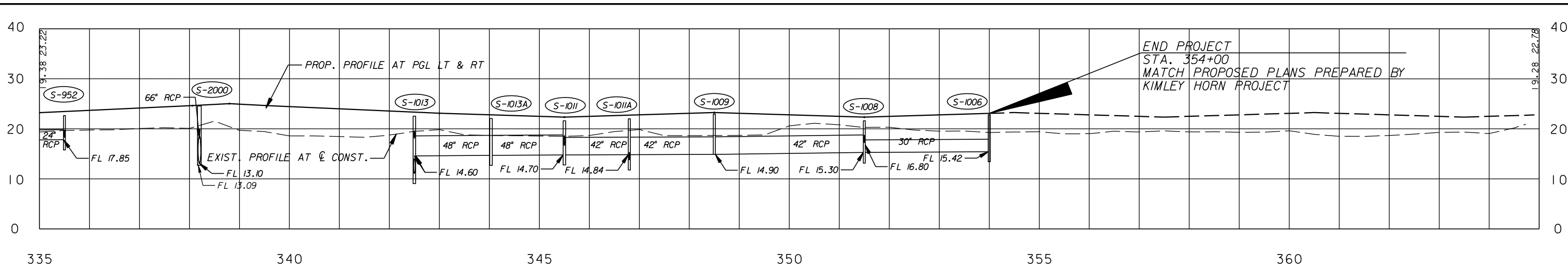
Department of Public Works
 Engineering Division

SCALE: 1"=200'
 APPROVED: B.F.
 DRAWN: H.D.
 CHECKED: H.D.
 DATE: 12-20
 FIELD BOOK NO:

DRAINAGE MAP

66 TH AVENUE-PHASE 1A
 NORTH OF 49TH ST. TO NORTH OF 57TH ST.

SHEET OF	3 112
PROJECT NO.	A1053
IRC_JOB_NO.	1505



NO.	REVISION	BY	DATE

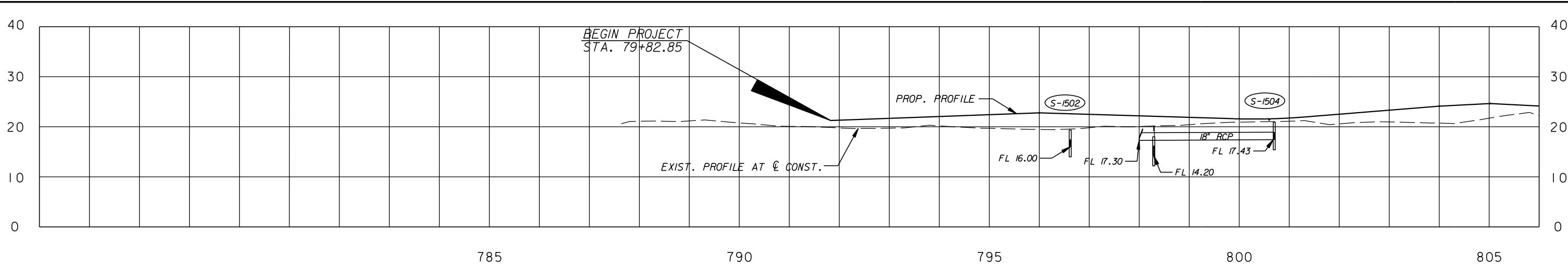


Department of Public Works
 Engineering Division

SCALE: 1" = 20'
 APPROVED:
 DRAWN: B.F.
 CHECKED: H.D.
 DATE: 12-20
 FIELD BOOK NO:


DRAINAGE MAP
66 TH AVENUE-PHASE 1A
 NORTH OF 49TH ST. TO NORTH OF 57TH ST.

SHEET 4 OF 112
 PROJECT NO. A1053
 IRC_JOB_NO. 1505




ARCADIS U.S., INC.
 1500 GATEWAY BLVD. SUITE 200, BOYNTON BEACH, FL 33426
 (561) 697-7000, FAX (561) 369-4731

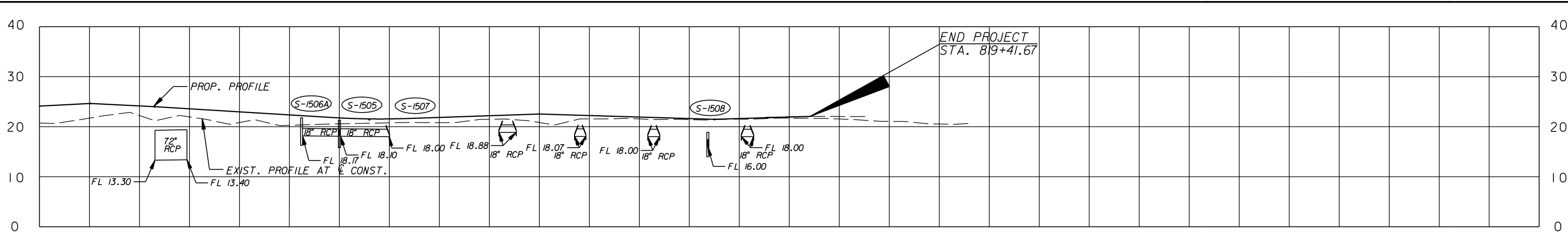
NO.	REVISION	BY	DATE


 Department of Public Works
 Engineering Division

SCALE: 1" = 200'
 APPROVED: _____
 DRAWN: B.F.
 CHECKED: H.D.
 DATE: 12-20
 FIELD BOOK NO: _____

DRAINAGE MAP
66 TH AVENUE-PHASE 1A
53RD STREET

SHEET: 5
 OF: 112
 PROJECT NO. A1053
 IRC_JOB_NO. 1505



805 810 815 820 825



GB310 / LC26000269

ARCADIS U.S., INC.
 1500 GATEWAY BLVD., SUITE 200, BOYNTON BEACH, FL 33426
 (561) 697-7000, FAX (561) 369-4731

NO.	REVISION	BY	DATE

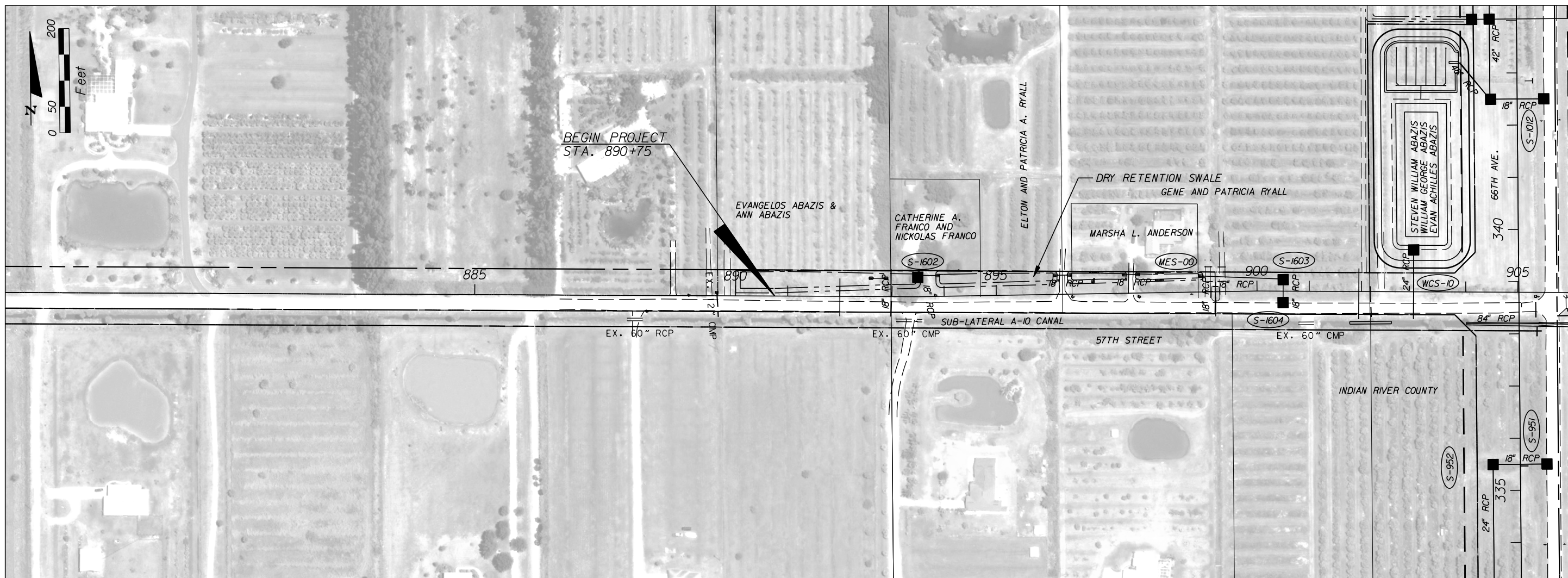
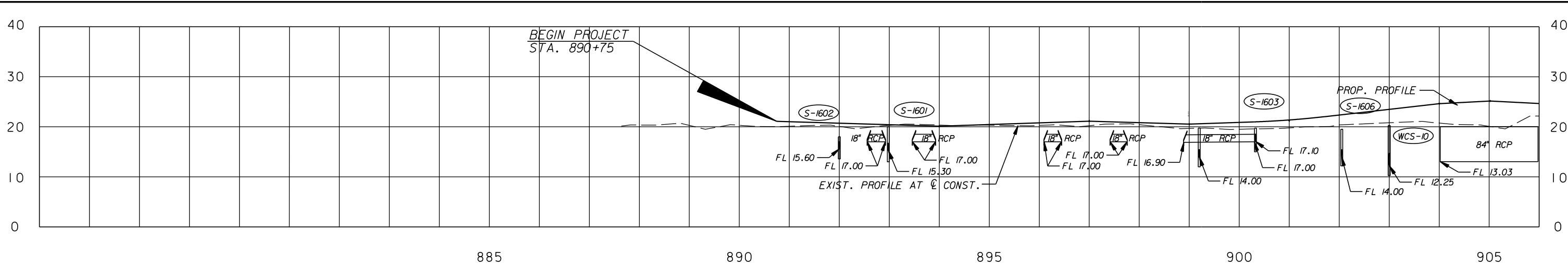


Department of Public Works
 Engineering Division

SCALE: 1" = 200'
 APPROVED: _____
 DRAWN: B.F.
 CHECKED: H.D.
 DATE: 12-20
 FIELD BOOK NO: _____


DRAINAGE MAP
66 TH AVENUE-PHASE 1A
53RD STREET

SHEET 6 OF 112
 PROJECT NO. A1053
 IRC_JOB_NO. 1505




ARCADIS U.S., INC.
 1500 GATEWAY BLVD. SUITE 200, BOYNTON BEACH, FL 33426
 (561) 697-7000, FAX (561) 369-4731

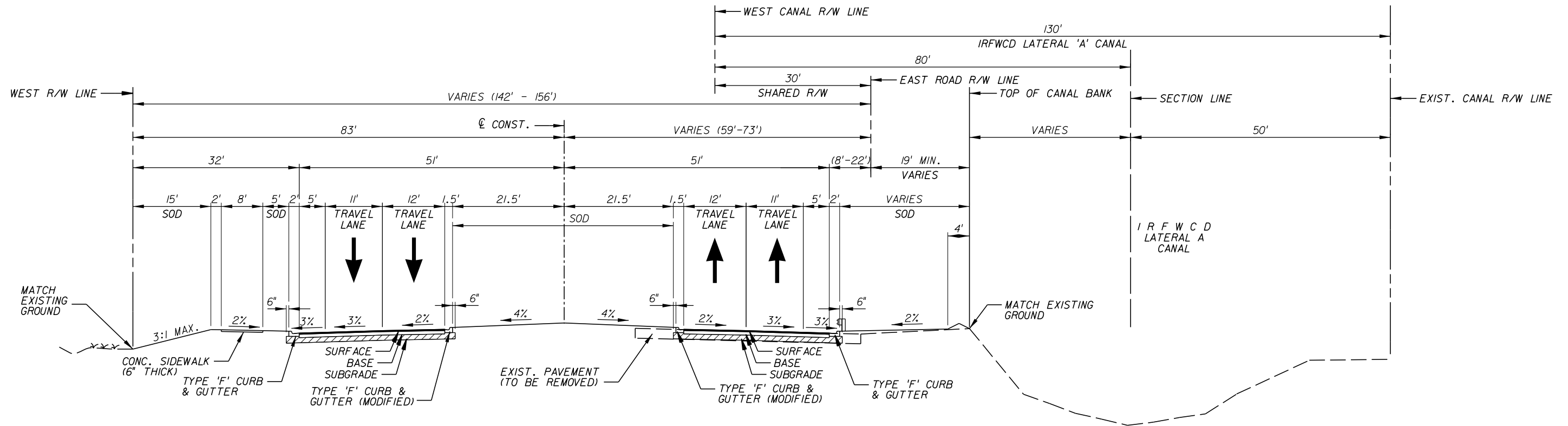
NO.	REVISION	BY	DATE


 Department of Public Works
 Engineering Division

SCALE: 1" = 200'
 APPROVED: _____
 DRAWN: B.F.
 CHECKED: H.D.
 DATE: 12-20
 FIELD BOOK NO: _____

DRAINAGE MAP
66 TH AVENUE-PHASE 1A
57TH STREET

SHEET: 7
 OF: 112
 PROJECT NO. A1053
 IRC_JOB_NO. 1505



**TYPICAL SECTION
66th AVENUE**

STA. 302+93.50 TO STA. 307+66.00
 STA. 323+03.50 TO STA. 327+92.00
 STA. 343+42.50 TO STA. 348+03.50

NEW CONSTRUCTION	
SURFACE:	TYPE FC-9.5 ASPHALT CONCRETE (1-1/4") (TRC) OVER TYPE SP 12.5 STRUCTURAL COURSE ASPHALT CONCRETE (TRC) (1-3/4")
BASE:	OPTIONAL BASE GROUP 9
SUBGRADE:	TYPE "B" STABILIZATION (12")

TYPICAL SECTION NOTES:

1. ALL PAVED AREAS WITHIN THE PROJECT LIMITS WHICH ARE NOT SPECIFICALLY COVERED BY A "TYPICAL SECTION" SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PAVEMENT SPECIFICATIONS INDICATED HEREON, UNLESS OTHERWISE NOTED.
2. TACK COAT SHALL BE APPLIED AT A RATE OF 0.05 GAL/SY. PRIME COAT SHALL BE APPLIED AT A RATE OF 0.10 GAL/SY, AS DIRECTED BY THE ENGINEER.
3. PAVEMENT REMOVAL SHALL CONSIST OF THE COMPLETE REMOVAL OF ASPHALT PAVEMENTS AND BASE, AND THE BACKFILL WITH CLEAN A-2/A3 MATERIAL.

**DESIGN SPEED = 45 MPH
 POSTED SPEED = 45 MPH**

GB310 / LC26000269



EB 7917 / LB 7062

NO.	REVISION	BY	DATE



Department of Public Works
 Engineering Division

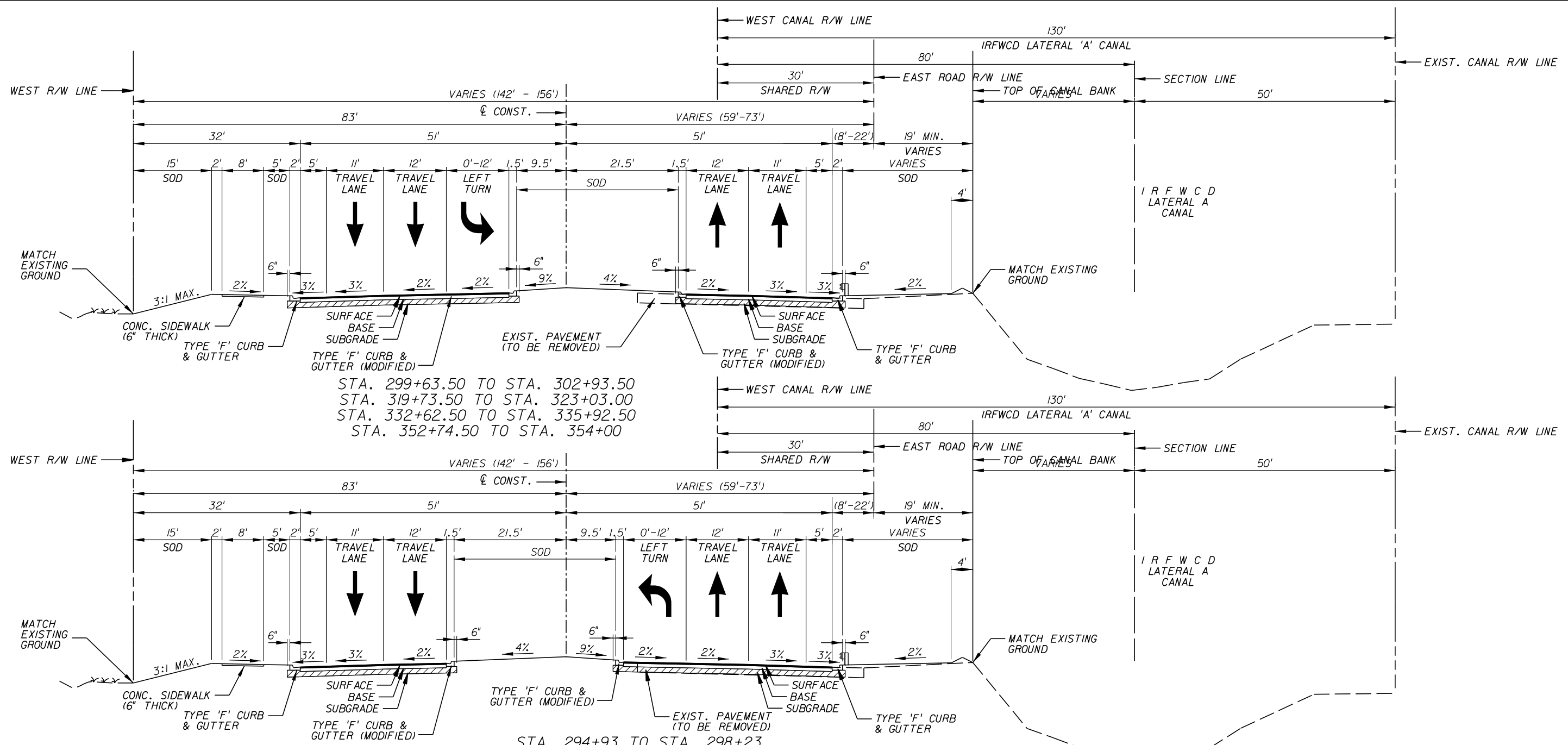
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APPROVED:	H.D.
DRAWN:	B.F.
CHECKED:	H.D.
DATE:	12-20
FIELD BOOK NO.:	

TYPICAL SECTION

66 TH AVENUE

SOUTH OF S.R. 60 TO NORTH OF 57TH ST.

SHEET:	8
OF:	112
PROJECT NO.:	A1053
IRC_JOB_NO.:	1505



STA. 299+63.50 TO STA. 302+93.50
 STA. 319+73.50 TO STA. 323+03.00
 STA. 332+62.50 TO STA. 335+92.50
 STA. 352+74.50 TO STA. 354+00

STA. 294+93 TO STA. 298+23
 STA. 316+85 TO STA. 318+32.50
 STA. 327+92 TO STA. 331+22
 STA. 348+03.50 TO STA. 351+33.50

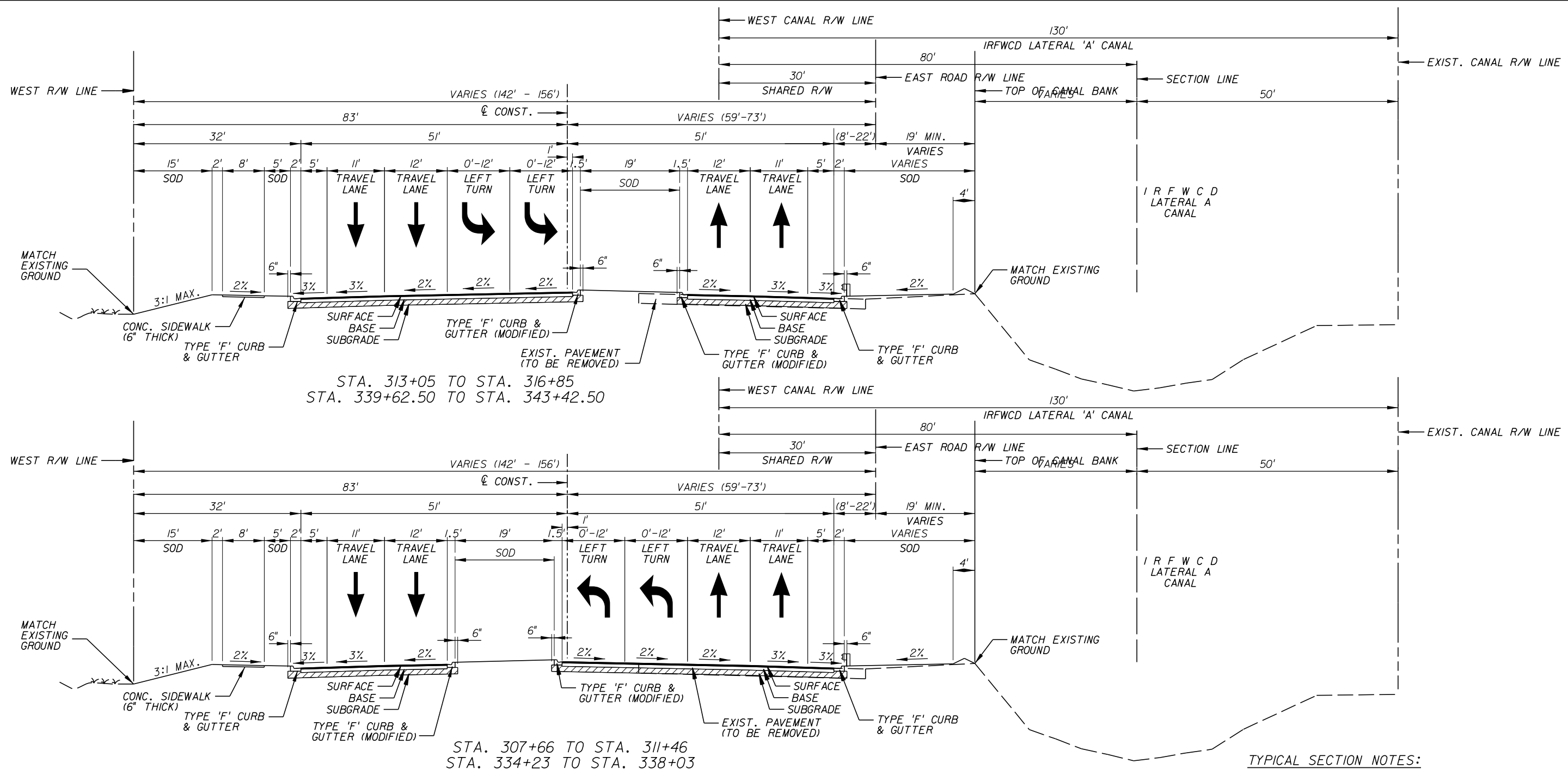
**TYPICAL LEFT TURN SECTION
66th AVENUE**

DESIGN SPEED = 45 MPH
POSTED SPEED = 45 MPH

- TYPICAL SECTION NOTES:**
1. ALL PAVED AREAS WITHIN THE PROJECT LIMITS WHICH ARE NOT SPECIFICALLY COVERED BY A "TYPICAL SECTION" SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PAVEMENT SPECIFICATIONS INDICATED HEREON, UNLESS OTHERWISE NOTED.
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 3. PAVEMENT REMOVAL SHALL CONSIST OF THE COMPLETE REMOVAL OF ASPHALT PAVEMENTS AND BASE, AND THE BACKFILL WITH CLEAN A-2/A3 MATERIAL.

NEW CONSTRUCTION	
SURFACE:	TYPE FC-9.5 ASPHALT CONCRETE (1-1/4") (TRC) OVER TYPE SP 12.5 STRUCTURAL COURSE ASPHALT CONCRETE (TRC) (1-3/4")
BASE:	OPTIONAL BASE GROUP 9
SUBGRADE:	TYPE "B" STABILIZATION (12")

<p>2081 VISTA PARKWAY, WEST PALM BEACH, FL 33411 (561) 697-7000, FAX (561) 697-7751</p>	NO. _____ REVISION: _____ BY: _____ DATE: _____	<p>Department of Public Works Engineering Division</p>	SCALE: N.T.S. APPROVED: H.D. DRAWN: B.F. CHECKED: H.D. DATE: 12-20 FIELD BOOK NO: _____	<p>TYPICAL SECTION</p> <p>66 TH AVENUE</p> <p>SOUTH OF S.R. 60 TO NORTH OF 57TH ST.</p>	SHEET: 8 A OF: 112 PROJECT NO. A1053 IRC_JOB_NO. 1505
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STA. 313+05 TO STA. 316+85
 STA. 339+62.50 TO STA. 343+42.50

STA. 307+66 TO STA. 311+46
 STA. 334+23 TO STA. 338+03

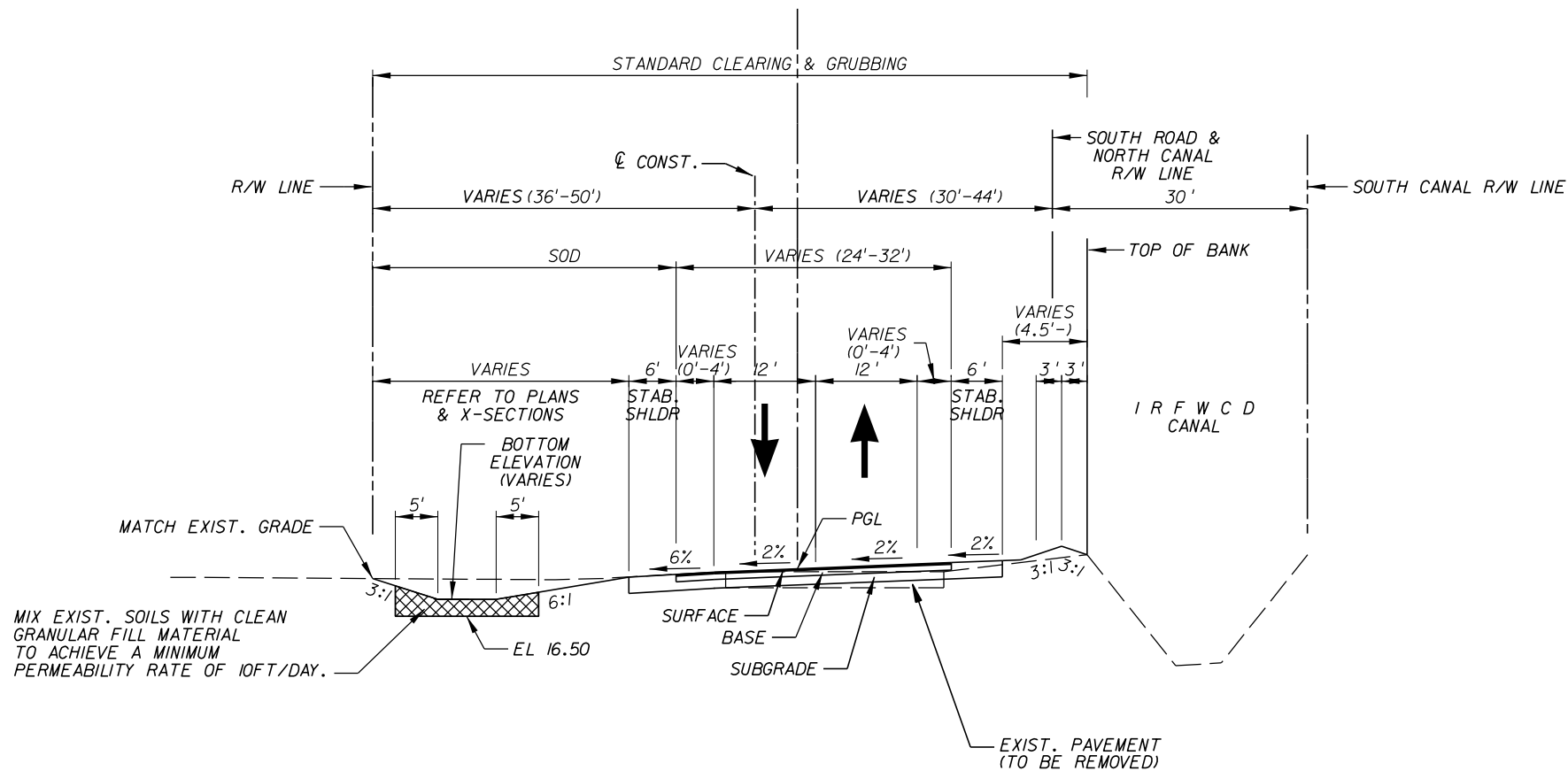
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SURFACE:	TYPE FC-9.5 ASPHALT CONCRETE (1-1/4") (TRC) OVER TYPE SP 12.5 STRUCTURAL COURSE ASPHALT CONCRETE (TRC) (1-3/4")
BASE:	OPTIONAL BASE GROUP 9
SUBGRADE:	TYPE "B" STABILIZATION (12")

**TYPICAL DUAL LEFT TURN SECTION
 66th AVENUE**

**DESIGN SPEED = 45 MPH
 POSTED SPEED = 45 MPH**

<p>2081 VISTA PARKWAY, WEST PALM BEACH, FL 33411 (561) 697-7000, FAX (561) 697-7751</p>	<table border="1"> <tr> <th>NO.</th> <th>REVISION</th> <th>BY</th> <th>DATE</th> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>	NO.	REVISION	BY	DATE					<p>Department of Public Works Engineering Division</p>	<table border="1"> <tr> <td>SCALE:</td> <td>N.T.S.</td> </tr> <tr> <td>APPROVED:</td> <td>H.D.</td> </tr> <tr> <td>DRAWN:</td> <td>B.F.</td> </tr> <tr> <td>CHECKED:</td> <td>H.D.</td> </tr> <tr> <td>DATE:</td> <td>12-20</td> </tr> <tr> <td>FIELD BOOK NO.:</td> <td> </td> </tr> </table>	SCALE:	N.T.S.	APPROVED:	H.D.	DRAWN:	B.F.	CHECKED:	H.D.	DATE:	12-20	FIELD BOOK NO.:		<p>TYPICAL SECTION</p> <p>66 TH AVENUE</p> <p>SOUTH OF S.R. 60 TO NORTH OF 57TH ST.</p>	<p>SHEET 8 B OF 112</p> <p>PROJECT NO. A1053 IRC_JOB_NO. 1505</p>
		NO.	REVISION	BY	DATE																				
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<p>GB310 / LC26000269</p>	<p>EB 7917 / LB 7062</p>	<p>INDIAN RIVER COUNTY FLORIDA</p>	<p>SCALE: N.T.S. APPROVED: H.D. DRAWN: B.F. CHECKED: H.D. DATE: 12-20 FIELD BOOK NO.:</p>	<p>TYPICAL SECTION</p> <p>66 TH AVENUE</p> <p>SOUTH OF S.R. 60 TO NORTH OF 57TH ST.</p>	<p>SHEET 8 B OF 112</p> <p>PROJECT NO. A1053 IRC_JOB_NO. 1505</p>																				



TYPICAL SECTION

53RD. ST. STA. 791+82.85 TO 797+69.58, 812+50.68 TO 819+41.67
 57TH. ST. STA. 890+75.00 TO 897+69.58

TYPICAL SECTION NOTES:

1. ALL PAVED AREAS WITHIN THE PROJECT LIMITS WHICH ARE NOT SPECIFICALLY COVERED BY A "TYPICAL SECTION" SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PAVEMENT SPECIFICATIONS INDICATED HEREON, UNLESS OTHERWISE NOTED.
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3. PAVEMENT REMOVAL SHALL CONSIST OF THE COMPLETE REMOVAL OF ASPHALT PAVEMENTS AND BASE, AND THE BACKFILL WITH CLEAN A-2/A3 MATERIAL.

NEW CONSTRUCTION	
SURFACE:	TYPE FC-9.5 ASPHALT CONCRETE (1-1/4") (TRC) OVER TYPE SP 12.5 STRUCTURAL COURSE ASPHALT CONCRETE (TRC) (1-3/4")
BASE:	OPTIONAL BASE GROUP 9
SUBGRADE:	TYPE "B" STABILIZATION (12")

DESIGN SPEED = 45 MPH
POSTED SPEED = 45 MPH

GB310 / LC26000269



EB 7917 / LB 7062

NO.	REVISION	BY	DATE



Department of Public Works
 Engineering Division

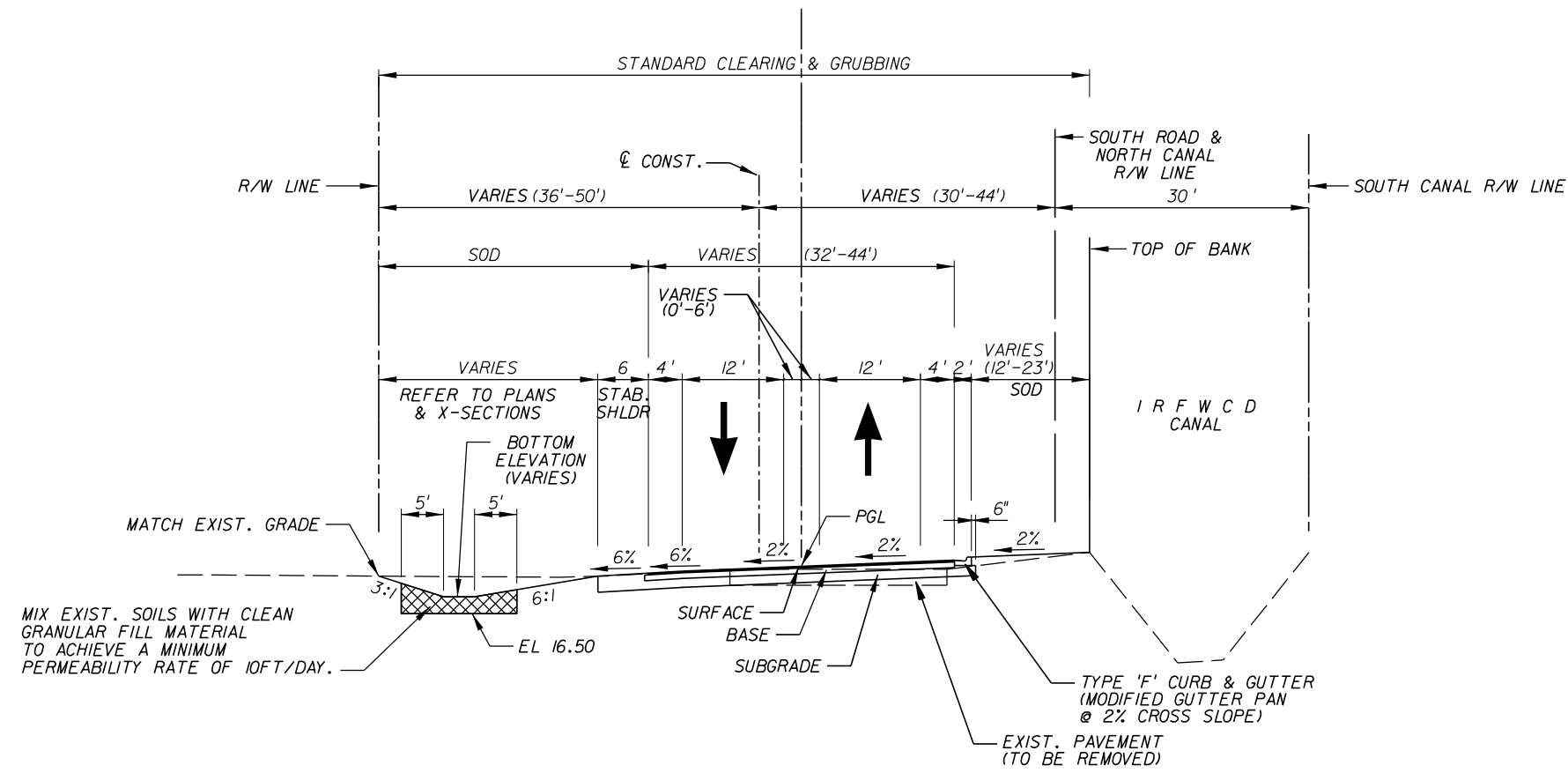
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TYPICAL SECTION

66 TH AVENUE

SOUTH OF S.R. 60 TO NORTH OF 57TH ST.

SHEET	9
OF	112
PROJECT NO.	A1053
IRC_JOB_NO.	1505



TYPICAL SECTION

53RD. ST. STA. 797+69.58 TO 800+00, 810+12.08 TO 812+50.68
 57TH. ST. STA. 897+69.58 TO 900+50

TYPICAL SECTION NOTES:

1. ALL PAVED AREAS WITHIN THE PROJECT LIMITS WHICH ARE NOT SPECIFICALLY COVERED BY A "TYPICAL SECTION" SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PAVEMENT SPECIFICATIONS INDICATED HEREON, UNLESS OTHERWISE NOTED.
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BASE:	OPTIONAL BASE GROUP 9
SUBGRADE:	TYPE "B" STABILIZATION (12")

DESIGN SPEED = 45 MPH
 POSTED SPEED = 45 MPH

2081 VISTA PARKWAY, WEST PALM BEACH, FL 33411

 (561) 697-7000, FAX (561) 697-7751

NO.	REVISION	BY	DATE

Department of Public Works

 Engineering Division

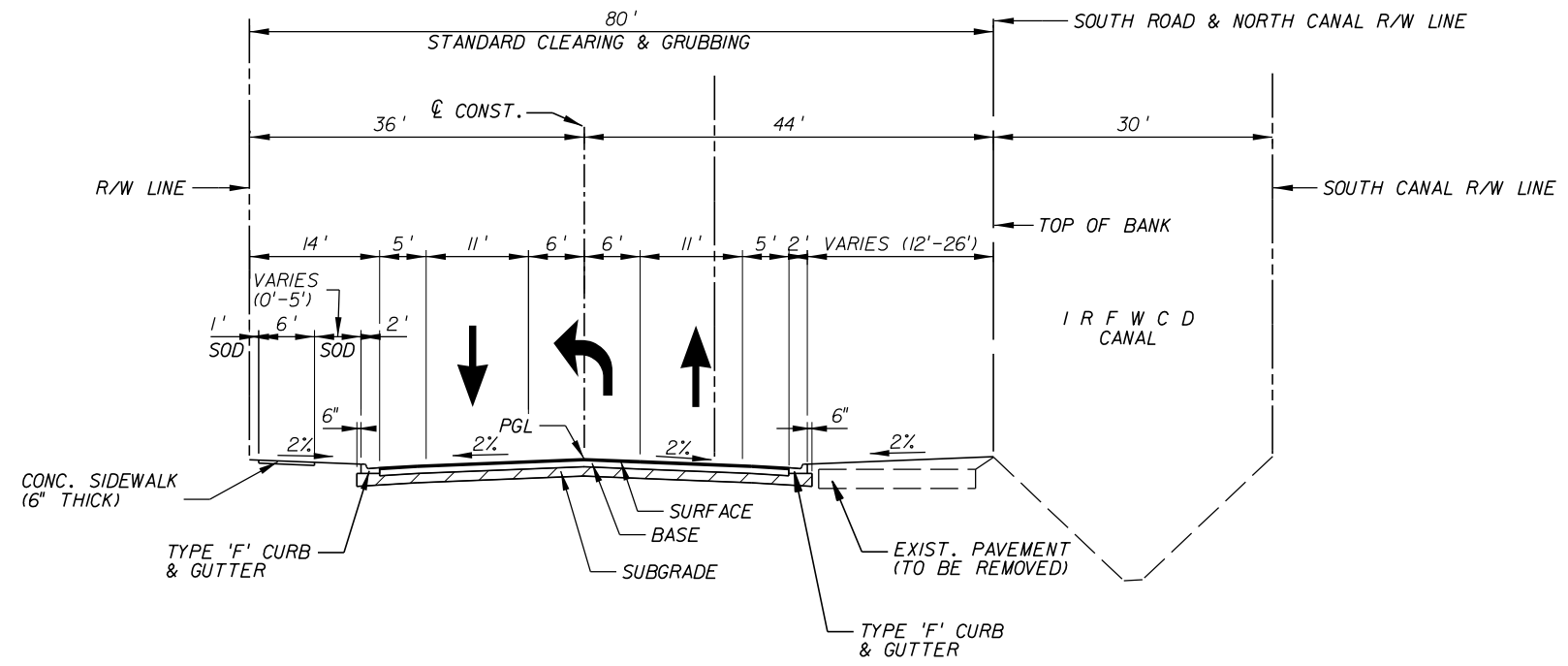
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APPROVED:	H.D.
DRAWN:	B.F.
CHECKED:	H.D.
DATE:	12-20
FIELD BOOK NO.:	

TYPICAL SECTION

66 TH AVENUE

 SOUTH OF S.R. 60 TO NORTH OF 57TH ST.

SHEET	10
OF	112
PROJECT NO.	A1053
IRC_JOB_NO.	1505



TYPICAL SECTION
 53RD. ST. STA. 800+00 TO 804+00
 57TH. ST. STA. 900+50 TO 904+00

TYPICAL SECTION NOTES:

1. ALL PAVED AREAS WITHIN THE PROJECT LIMITS WHICH ARE NOT SPECIFICALLY COVERED BY A "TYPICAL SECTION" SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PAVEMENT SPECIFICATIONS INDICATED HEREON, UNLESS OTHERWISE NOTED.
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BASE:	OPTIONAL BASE GROUP 9
SUBGRADE:	TYPE "B" STABILIZATION (12")

DESIGN SPEED = 45 MPH
POSTED SPEED = 45 MPH

GB310 / LC26000269

ARCADIS U.S., INC.
 2081 VISTA PARKWAY, WEST PALM BEACH, FL 33411
 (561) 697-7000, FAX (561) 697-7751

EB 7917 / LB 7062

NO.	REVISION	BY	DATE



Department of Public Works
Engineering Division

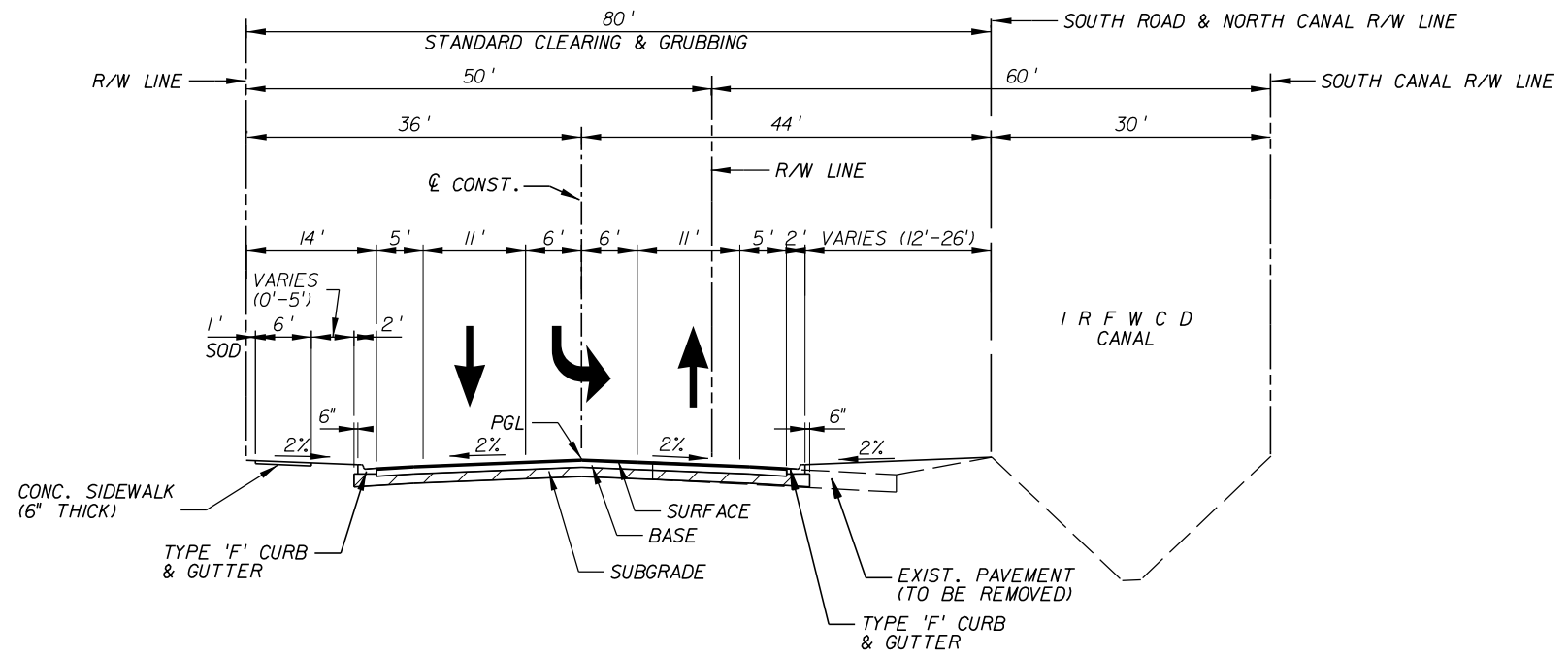
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TYPICAL SECTION

66 TH AVENUE

SOUTH OF S.R. 60 TO NORTH OF 57TH ST.

SHEET:	11
OF:	112
PROJECT NO.	A1053
IRC_JOB_NO.	1505



TYPICAL SECTION

53RD. ST. STA. 805+93.92 TO 810+12.08
 57TH. ST. STA. 906+07.69 TO 908+00

NEW CONSTRUCTION	
SURFACE:	TYPE FC-9.5 ASPHALT CONCRETE (1-1/4") (TRC) OVER TYPE SP 12.5 STRUCTURAL COURSE ASPHALT CONCRETE (TRC) (1-3/4")
BASE:	OPTIONAL BASE GROUP 9
SUBGRADE:	TYPE "B" STABILIZATION (12")

TYPICAL SECTION NOTES:

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DESIGN SPEED = 45 MPH
 POSTED SPEED = 45 MPH

08310 / LC26000269

2081 VISTA PARKWAY, WEST PALM BEACH, FL 33411
 (561) 697-7000, FAX (561) 697-7751

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 Engineering Division

SCALE:	N.T.S.
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TYPICAL SECTION

66 TH AVENUE

SOUTH OF S.R. 60 TO NORTH OF 57TH ST.

SHEET:	12
OF:	112
PROJECT NO.	A1053
IRC_JOB_NO.	1505

SUMMARIES OF QUANTITIES

	PAY ITEMS	QTY.	UNIT	PRICE
0101 1	Mobilization	1	LS	
0102 1	Maintenance Of Traffic	1	LS	
IRC 1	Field Office	1	LS	
0104 2	Prevention, Control & Abatement of Erosion and Water Pollution	1	LS	
0110 1	Clearing & Grubbing	1	LS	
0110 3	Removal Of Existing Structure (Dwelling)	2	EA	
0120 1	Regular Excavation	5,801	CY	
0120 5	Channel Excavation (Lake Excavation)	35,755	CY	
0120 6	Embankment, Compacted In Place	89,721	CY	
0121 70	Flowable Fill	100	CY	
0160 4	Type B Stabilization	82,243	SY	
285709	Optional Base, Base Group 09	64,018	SY	
0286 1	Turnout Construction	619	SY	
0286 2	Turnout Construction-Asphalt	135	TN	
0334 1 13	Superpave Asphaltic Concrete, Traffic C, SP-12.5	6,162	TN	
0337 7 82	Asphaltic Concrete Friction Course, Traffic C, FC-9.5, PG 76-22	4,401	TN	
0339 1	Miscellaneous Asphalt Pavement	56	TN	
0350 3 1	Plain Cement Concrete Pavement, 6"	743	SY	
0400 1 2	Concrete Class 1, Endwalls	8	CY	
0425 1 351	Inlets, Curb, Type P-5, <10'	8	EA	
0425 1 361	Inlets, Curb, Type P-6, <10'	13	EA	
0425 1 451	Inlets, Curb, Type J-5, <10'	5	EA	
0425 1 461	Inlets, Curb, Type J-6, <10'	4	EA	
0425 1 521	Inlets, Ditch Bottom, Type C, <10'	7	EA	
0425 2 41	Manholes, P-7, <10'	3	EA	
0425 2 71	Manholes, J-7, <10'	1	EA	
0425 2 72	Manholes, J-7, >10'	1	EA	
0425 2 73	Manholes, J-7, Partial	1	EA	
IRC 2	Control Structure	3	EA	
IRC 3	Conflict Structure	2	EA	
IRC 4	Pipe Culvert, Schedule 80 PVC, Round, 8"	31	LF	
0430 175 118	Pipe Culvert, RCP, Round, 18" S/CD	2326	LF	
0430 175 118A	Pipe Culvert, CAP, Round, 18" S/CD	140	LF	
0430 175 124	Pipe Culvert, RCP, Round, 24" S/CD	1191	LF	
0430 175 124A	Pipe Culvert, CAP, Round, 24" S/CD	60	LF	
0430 175 130	Pipe Culvert, RCP, Round, 30" S/CD	1398	LF	
0430 175 130A	Pipe Culvert, CAP, Round, 30" S/CD	20	LF	
0430 175 136	Pipe Culvert, RCP, Round, 36" S/CD	799	LF	
0430 175 142	Pipe Culvert, RCP, Round, 42" S/CD	600	LF	
0430 175 148	Pipe Culvert, RCP, Round, 48" S/CD	392	LF	
0430 175 360	Pipe Culvert, RCP Elliptical 48"x76" S/CD	197	LF	
0430 175 166	Pipe Culvert RCP, Round, 66" S/CD	141	LF	
0430 982 125	Mitered End Section, RCP, 18"	18	EA	
0440 1 10	Underdrain with Sock Filter (4" Diameter)	697	LF	
0440 1 10A	Underdrain with Sock Filter (8" Diameter)	257	LF	
0440 7 34	Underdrain with Sock Filter (10" Diameter)	27	LF	
0440 7 35	Underdrain with Sock Filter (12" Diameter)	48	LF	
0514 71 2	Plastic Filter Fabric, Stabilization	351	SY	
0520 1 7	Concrete Curb & Gutter, Type E (Modified)	368	LF	
0520 1 10	Concrete Curb & Gutter, Type F	24,341	LF	
0522 2	Sidewalk Concrete, 6" Thick	5572	SY	
0523 2	Patterned Pavement, Concrete, Non Vehicular Areas	3,160	SY	
0530 3 3	Riprap, Rubble, Bank and Shore	820	TN	
0536 1 1	Guardrail - Roadway (Includes Pipe Rail Full Length)	1,867	LF	
0536 8	Guardrail - Bridge Anchorage Assembly, Furnish & Install	1	EA	

104 11 INCLUDES ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY FOR NPDES COMPLIANCE INCLUDING THE PREPARATION OF A STORM WATER POLLUTION PREVENTION PLAN AND AN NPDES NOTICE OF INTENT.

0110 3 INCLUDE ALL LABOR, MATERIAL AND EQUIPMENT NECESSARY FOR THE COMPLETE DEMOLITION AND REMOVAL OF EXISTING STRUCTURES INCLUDING ALL PERMITS.

0102 1 INCLUDES OVER-EXCAVATION, SOIL AMENDMENT, AND MIXING OF SOILS WITHIN ROADSIDE SWALES AND STORMWATER DETENTION AREAS TO ACHIEVE THE REQUIRED MINIMUM PERMEABILITY RATES. INCLUDES SOIL SAMPLING AND TESTING TO DETERMINE THE APPROPRIATE MATERIALS REQUIRED TO ACHIEVE THE REQUIRED PERMEABILITY RATES AND TESTING TO DEMONSTRATE THAT THE REQUIRED PERMEABILITY RATES HAVE BEEN ACHIEVED UPON COMPLETION OF CONSTRUCTION.

	PAY ITEMS	QTY.	UNIT	PRICE
0536 73	Guardrail Removal	280	LF	
0536 82	Guardrail Anchorage - Concrete Barrier Wall	3	EA	
0536 85 24	Guardrail End Anchorage Assembly - Parallel	3	EA	
0536 85 25	Guardrail End Anchorage Assembly - Type II	2	EA	
0550 10222	Fencing., Type B, 5.1-6.0, w/Vinyl Coating	3,325	LF	
0550 60214	Fence Gate, Type B, Single, 18.1-20.0' Opening	6	EA	
IRC 5	Relocate Existing Fence	502	LF	
0570 1 1	Performance Turf, Sod 1 - Bahia	85,449	SY	
0570 1 2	Performance Turf, Sod 2 - St Augustine	14,680	SY	
0700 20 11	Single Post Sign, F&I, Less Than 12 SF	27	AS	
0700 20 13	Single Post Sign, F&I, 21-30 SF	4	AS	
0700 1 50	Single Post Sign, Relocate	2	AS	
0700 1 60	Single Post Sign, Remove	20	AS	
0706 3	Retro Reflective Pavement Markers (Amber/Amber)	880	EA	
0706 3A	Retro Reflective Pavement Markers (White/Red)	445	EA	
0711 11111	Thermoplastic, Standard, White, Solid, 6"	4.09	NM	
0711 11112	Thermoplastic, Standard, White, Solid, 8"	0.513	NM	
0711 11123	Thermoplastic, Standard, White, Solid, 12"	683	LF	
0711 11124	Thermoplastic, Standard, White, Solid, 18"	715	LF	
0711 11125	Thermoplastic, Standard, White, Solid, 24"	136	LF	
0711 11131	Thermoplastic, Standard, White, Skip, 6", 10-30 Skip	2.132	GM	
0711 11131	Thermoplastic, Standard, White, Skip, 6", 6-10 Skip	2,559	LF	
0711 14170	Thermoplastic, Standard, White, Arrow	28	EA	
0711 14170A	Thermoplastic, Standard, White, Arrow, U-Turn	23	EA	
0711 11211	Thermoplastic, Standard, Yellow, Solid, 6"	3,949	NM	
0711 11224	Thermoplastic, Standard, Yellow, Solid, 18"	202	LF	
0711 11241	Thermoplastic, Standard, Yellow, Dotted/Guideline/6-10 Gap Extension, 6"	1764	LF	
0999 1	Record Drawings	1	LS	
1050 11224	12" PVC Reuse Water Main	670	LF	
1050 11424	12" DIP Reuse Water Main	90	LF	
1080 1125	2" Air Release Valve	1	EA	
IRC 6	Cap and Grout Existing 12" Reuse Main	294	LF	
IRC 7	Remove and Dispose of Existing 12" Areal Reuse Main and Pileings	1	LS	
1080 11201	4" MJ Gate Valve	2	EA	
1080 11404	12" MJ Gate Valve	2	EA	
1080 11403	12" X 12" Tapping Sleeve and Valve	2	EA	
IRC 8	17" X 28" Meter Box	2	EA	
IRC 9	Fittings	2	TN	
0630 2 11A	2 - 2" PVC Signal Conduit w/ 96-Fiber Cable (50' coil in boxes) Open Trench	5562	LF	
0630 2 12A	2 - 2" PVC Signal Conduit w/ 96-Fiber Cable (50' coil in boxes) Directional Drill	209	LF	
0633 1 123	96-Fiber Cable in Bridge Conduit	129	LF	
0635 2 12	17" x 30" Pull Box for Fiber Optic Cable	9	EA	
0635 2 13	30" x 48" Splice Box for Fiber Optic	8	EA	

425 1542 INCLUDES ALL CONTROL STRUCTURE COMPONENTS INCLUDING SKIMMERS & BAFFLES.

550 10 918 INCLUDES RELOCATION OF IRON FENCE AND CONSTRUCTION OF CONC. COLUMNS TO MATCH EXIST.

102-1 INCLUDES ALL ITEMS FOR MAINTENANCE OF TRAFFIC WHICH ARE NOT INCLUDED FOR PAYMENT UNDER SEPARATE ITEMS. INCLUDES PEDESTRIAN MAINTENANCE OF TRAFFIC IN ACCORDANCE WITH SECTION GP-18 OF THE SPECIFICATIONS. INCLUDES TEMPORARY PAVEMENT MARKINGS & SIGNAGE, AND RAISED PAVEMENT MARKERS.

110-1-1 INCLUDES REMOVAL & DISPOSAL OF EXISTING DRAINAGE STRUCTURES & PIPES; CULVERTS; SIGNS; FENCE; CURBS; CURB & GUTTER; DRIVEWAYS; SLABS; FOOTINGS; GATES; POLES; ASPHALT; DEBRIS; TRAFFIC SEPARATOR; SIDEWALKS; ASPHALT; BASE; CONCRETE; GUARDRAIL; F.D.P.'S; TEMPORARY CONSTRUCTION DETOURS; AND ANY OTHER ITEMS TO BE REMOVED THAT ARE NOT SPECIFICALLY COVERED UNDER ANOTHER SEPARATE PAY ITEM. INCLUDES ALL SAW CUTTING, INCLUDES TREE TRIMMING FOR UTILITY INSTALLATION AND OR RELOCATION AND FOR STREET LIGHTING INSTALLATION. EXISTING DRAINAGE STRUCTURES AND PIPES WITHIN THE LIMITS OF CONSTRUCTION SHALL REMAIN, UNLESS OTHERWISE NOTED.

108-2 IS ESTIMATED FOR PREVENTION, CONTROL AND ABATEMENT OF EROSION AND WATER POLLUTION AND ARE TO BE USED AT LOCATIONS DESIGNATED ON THE PLANS, OR AS DIRECTED BY THE ENGINEER. INCLUDES TURBIDITY BARRIER, SILT FENCE TYPE III & BAILED HAY OR STRAW. INCLUDES REPLACEMENT HAY OR STRAW BALES AS DIRECTED BY THE ENGINEER.

120-1 INCLUDES ALL EARTHWORK ITEMS, EXCAVATION AND EMBANKMENT FOR ROADWAY, DRIVEWAY, CANAL DITCH, AND DETENTION AREA CONSTRUCTION. INCLUDES FINAL GRADING & SHAPING AS NECESSARY FOR FINAL RESTORATION.

120-6

160-4-12 INCLUDE BITUMINOUS MATERIAL, PRIME COAT AND TACK COAT, AS REQUIRED.

285-709

334-1-1

334-1-1A

334-1-13

425-1361 ALL STRUCTURES ARE LESS THAN 10" IN DEPTH, UNLESS OTHERWISE NOTED. ITEM INCLUDES SAW-CUTTING AND REMOVAL OF EXISTING PIPE; CONCRETE COLLARS TO JOIN NEW PIPE TO EXISTING PIPE; SAW-CUTTING OR CORE DRILLING TO TIE-IN TO EXISTING STRUCTURES; AND ALL REPAIR/RESTORATION OF EXISTING FACILITIES AND SURFACES AS REQUIRED, OR AS DIRECTED BY THE ENGINEER. INCLUDES ALL SAWING, CUTTING, AND PATCHING AND ALL ALUMINUM PLATE, GASKETS, AND FASTENERS. INCLUDES CORRUGATED ALUMINUM DEBRIS BAFFLES. INCLUDES CLEANING AND VIDEOTAPING OF ALL DRAINAGE PIPES AND STRUCTURES FOLLOWING COMPLETION OF THE WORK.

425-1631A

425-2-41

425-2-71

536-1-1 INCLUDES CONTROLLED RELEASE RETURN AND NESTED GUARDRAIL. INCLUDES PIPE RAIL, MOUNTING COMPONENTS, INSTALLATION, AND BOLT END TREATMENT FOR TIMBER POST. INCLUDES SPECIAL GUARDRAIL POSTS.

575-1-1 SHALL BE IN ACCORDANCE WITH THE GENERAL PROVISIONS OF THE SPECIFICATIONS. INCLUDES STAKING OR PEGGING OF SOD.

0440-1-10 INCLUDES ALL FITTINGS, CLEANOUTS AND CONNECTORS, PIPE AND FILTER SOCK.

THUR

0440-7-35

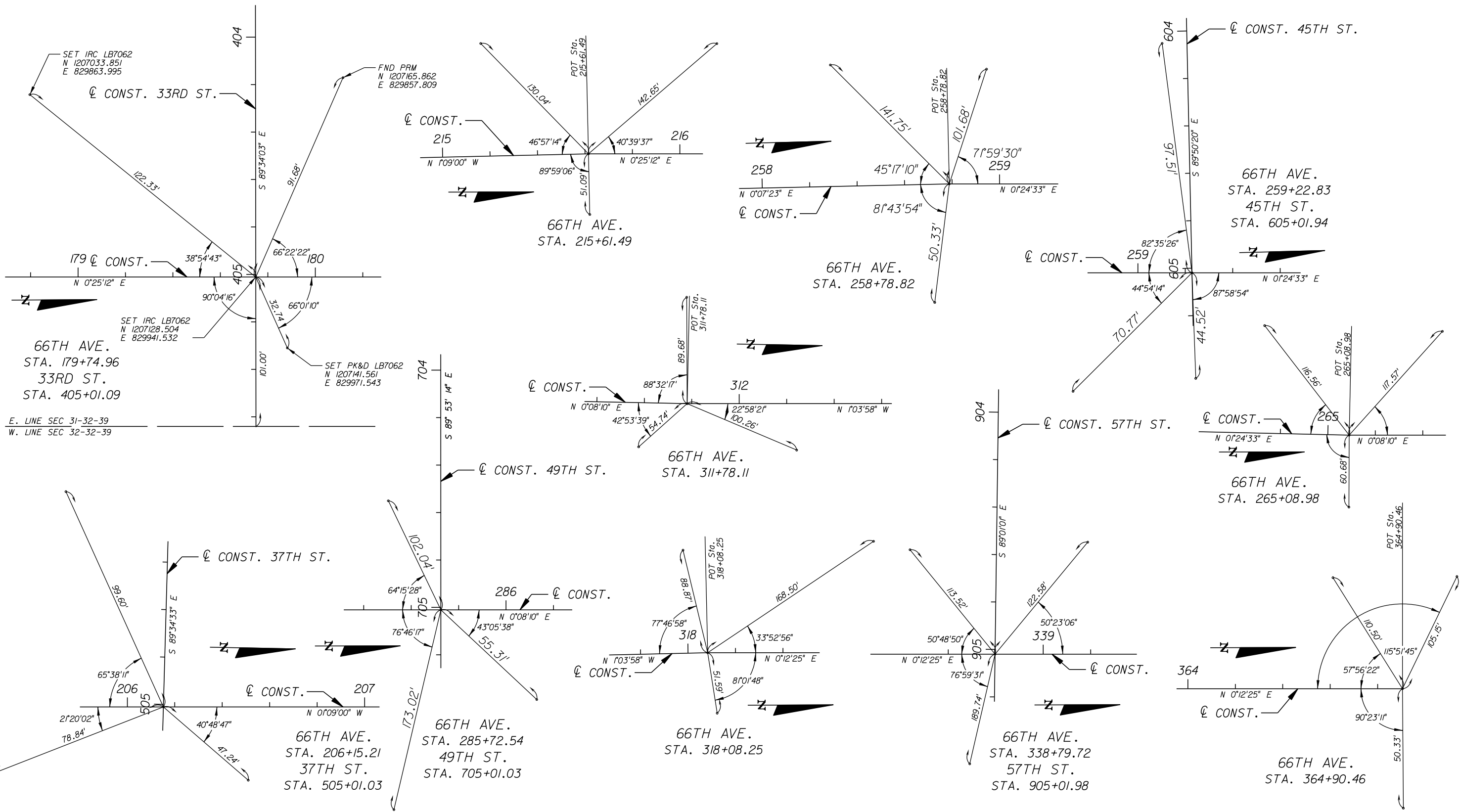
0522-2 SIDEWALK AND DRIVEWAY CONCRETE SHALL BE 6" THICK FIBER REINFORCED CONCRETE.

GB310 / LC26000269	EB 7917 / LB 7062	NO.	REVISION	BY	DATE

Department of Public Works

Engineering Division

SCALE: N.T.S.	<h3>SUMMARY OF QUANTITIES</h3> <h2>66 TH AVENUE</h2> <p>SOUTH OF S.R. 60 TO NORTH OF 57TH ST.</p>	SHEET: 13
APPROVED:		OF: 112
DRAWN: B.F.		PROJECT NO. A1053
CHECKED: H.D.		IRC_JOB.NO. 1505
DATE: 12-20		
FIELD BOOK NO:		



GB310 / LC26000269



NO.	REVISION	BY	DATE



Department of Public Works
Engineering Division

SCALE:	N.T.S.
APPROVED:	
DRAWN:	B.F.
CHECKED:	H.D.
DATE:	12-20
FIELD BOOK NO.:	

REFERENCE TIES
66 TH AVENUE
SOUTH OF S.R. 60 TO NORTH OF 57TH ST.

SHEET	17
OF	112
PROJECT NO.	A1053
IRC_JOB.NO.	1505

GENERAL NOTES

1. PRIOR TO COMMENCEMENT OF ANY EXCAVATION, THE CONTRACTOR SHALL COMPLY WITH FLORIDA STATUTE 553.851 FOR THE PROTECTION OF UNDERGROUND GAS PIPELINES.
2. ALL GRADES SHOWN ARE FINISHED GRADES, UNLESS OTHERWISE NOTED.
3. STATIONING AND OFFSETS REFER TO THE CENTERLINE OF CONSTRUCTION, UNLESS OTHERWISE NOTED.
4. ALL RETURN RADII DIMENSIONS, STATIONS, OFFSETS, AND ELEVATIONS REFER TO THE EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED.
5. BENCHMARK (B.M.) LOCATIONS ARE INDICATED BY THE SYMBOL:
6. B.M. DATUM IS NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD-29).
7. ANY EXISTING SECTION CORNER, QUARTER SECTION CORNER AND INDIAN RIVER COUNTY SURVEY CONTROL MONUMENTS WITHIN THE LIMITS OF CONSTRUCTION SHALL BE PROTECTED. IF A MONUMENT IS IN DANGER OF BEING DISTURBED, THE CONTRACTOR SHALL HAVE A PROFESSIONAL LAND SURVEYOR REFERENCE IT PRIOR TO CONSTRUCTION, AND RESET IT AFTER CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE INDIAN RIVER COUNTY SURVEYOR PRIOR TO DISTURBING ANY EXISTING MONUMENT.
8. ANY PUBLIC LAND CORNER WITHIN THE LIMITS OF CONSTRUCTION SHALL BE PROTECTED. IF A CORNER MONUMENT IS IN DANGER OF BEING DISTURBED, AND HAS NOT BEEN PROPERLY REFERENCED, THE CONTRACTOR SHALL NOTIFY THE DISTRICT LOCATION SURVEYOR, WITHOUT DELAY, BY TELEPHONE.
9. ANY NGVD-29 MONUMENT WITHIN THE LIMITS OF CONSTRUCTION SHALL BE PROTECTED. IF A MONUMENT IS IN DANGER OF BEING DISTURBED, THE CONTRACTOR SHOULD NOTIFY:
MARK MAINTENANCE SECTION
GEODETIC INFORMATION CENTER ATTN: N/CG-162
ROCKVILLE, MARYLAND 20852
TELEPHONE: 301-443-8319
10. NO CONSTRUCTION SHALL COMMENCE UNTIL ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN SECURED AND THE CONTRACTOR IS ISSUED A "NOTICE TO PROCEED".
11. CONTRACTOR SHALL UTILIZE CONSTRUCTION METHODS AND DEVICES AS INDICATED IN FDOT STANDARD INDEXES 100, 102, 103, 104 AND 105 WHERE NECESSARY IN ORDER TO COMPLY WITH ALL STATE, LOCAL AND NPDES WATER QUALITY STANDARDS.
12. CONTRACTOR SHALL MAINTAIN TRAFFIC AT ALL TIMES DURING CONSTRUCTION IN ACCORDANCE WITH FDOT INDEX NOS. 600 THRU 660 AND SHALL PROVIDE ALL BARRICADES, LIGHTING, CHANNELIZING DEVICES, TEMPORARY PAVEMENTS, TEMPORARY SIGNALS, ATTENUATORS, VARIABLE MESSAGE SIGNS, SIGNAGE AND FLAG MEN AS NECESSARY OR ANYTHING ELSE THAT MAY BE REQUIRED TO MEET FDOT INDEX 600 TO PROVIDE FOR THE SAFETY OF THE PUBLIC IN THE AREA OF THE WORK. MAINTENANCE OF TRAFFIC SHALL BE IN ACCORDANCE WITH CURRENT FDOT ROADWAY & TRAFFIC DESIGN STANDARDS AND SPECIFICATIONS AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). THE CONTRACTOR SHALL PREPARE & SUBMIT SIGNED & SEALED TRAFFIC CONTROL PLANS TO INDIAN RIVER COUNTY FOR APPROVAL PRIOR TO THE BEGINNING OF CONSTRUCTION.
13. EXISTING DRAINAGE STRUCTURES AND PIPES WITHIN THE LIMITS OF CONSTRUCTION SHALL REMAIN, UNLESS OTHERWISE NOTED. ANY DRAINAGE STRUCTURES SHOWN TO NOT REMAIN IN SERVICE SHALL BE REMOVED FROM THE RIGHT OF WAY IN THEIR ENTIRETY.
14. DURING CONSTRUCTION, SHOULD ANY DRAINAGE STRUCTURES (INCLUDING PIPES) BE FOUND THAT ARE NOT SHOWN ON THE PLANS, NOTIFY THE ENGINEER IMMEDIATELY.
15. EXISTING UTILITIES ARE TO BE ADJUSTED OR RELOCATED BY OTHERS AS DIRECTED BY THE ENGINEER, UNLESS OTHERWISE NOTED.
16. IN REFERENCE TO EXISTING UTILITIES AND UTILITY ADJUSTMENTS:
A. THE LOCATION OF UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE ONLY. THE EXACT LOCATIONS SHALL BE DETERMINED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. IN ADDITION THE CONTRACTOR SHALL INFORM THE ENGINEER AND NOTIFY THE RESPECTIVE UTILITY OWNER(S) TO RESOLVE UTILITY CONFLICTS AND UTILITY ADJUSTMENTS AS REQUIRED.
B. FOR EXISTING UTILITY SYMBOLS, SEE FDOT STANDARD INDEX 002.
C. WATER AND SANITARY SEWER UTILITY WORK SHALL BE IN CONFORMANCE WITH ALL CODES, STANDARDS, AND ORDINANCES CURRENTLY H.R.S., AND THE LOCAL UTILITY DEPT. OWNING THE FACILITIES.
17. CONTRACTOR SHALL USE EXTREME CAUTION WHEN WORKING IN OR AROUND AREAS OF OVERHEAD OR UNDERGROUND UTILITIES.
18. CONTRACTOR SHALL NOTIFY IRC COUNTY SURVEYOR AND SUNSHINE STATE "ONE CALL" (1-800-432-4770) AND ALL AFFECTED UTILITIES 48 HOURS IN ADVANCE OF ANY CONSTRUCTION SO THAT A COMPANY REPRESENTATIVE MAY BE PRESENT.
19. EXISTING UTILITY OWNERS:

IRC UTILITIES DEPARTMENT IRC TELECOMMUNICATION DIVISION FP&L PROJECTS & RELOCATIONS FP&L FLORIDA GAS TRANSMISSION Co. AT&T CITY GAS COMPANY OF FLORIDA BELLSOUTH TELECOMMUNICATIONS, INC. COMCAST CABLE COMMUNICATIONS VERO ELECTRIC IRC TRAFFIC ENGINEERING	ARJUNA WERAGODA 772-770-5300 MANNY CABO 772-567-8000x1318 ROB MORRIS 772-223-4215 DENNIS PAGANO 772-489-6204 JOSEPH E. SANCHEZ 407-838-7000 MARK GUTIERREZ 772-460-4443 GLEN "BOCK" KREINHAGEN 772-781-2551x23 ROBERT MOYANO 772-460-4500 DONALD STEPHENS 561-718-4614 TED FLETCHER 772-978-5460 JOHN ANKENY 772-226-1563
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20. WHEN UTILITY POLES ARE IN AREAS OF EXCAVATIONS, CONTRACTOR SHALL MAINTAIN A MINIMUM SEPARATION OF FIVE (5') FEET BETWEEN THE POLE AND ANY EXCAVATION.
21. WHEN WORKING WITHIN TEN (10') FEET OF A TRAFFIC SIGNAL POLE, INDIAN RIVER COUNTY TRAFFIC ENGINEERING SHALL BE NOTIFIED: 772-226-1547.
22. INTERSECTING ROADS AND DRIVEWAYS SHALL BE GRADED AS DIRECTED BY THE ENGINEER, UNLESS OTHERWISE NOTED ON THE PLANS.
23. WHERE OPEN-CUTS OF THE EXISTING ROADWAY ARE MADE IN ORDER TO INSTALL PIPELINES, CONDUITS OR SLEEVES, REPAIR THE PAVEMENT IN ACCORDANCE WITH THE "OPEN-CUT PAVEMENT REPAIR DETAIL" IN THESE PLANS. MAINTAIN REPAIRED PAVEMENT FOR THE DURATION OF THE PROJECT. EXCAVATABLE FLOWABLE FILL IS ALLOWED WITH PRIOR APPROVAL OF PROPOSED MATERIAL STRENGTH BY THE COUNTY ENGINEER OR DESIGNEE.
 IN REFERENCE TO THE PROPOSED DRAINAGE STRUCTURES & PIPE:
 A. SPECIAL ATTENTION IS DIRECTED TO THE FACT THAT PORTIONS OF SOME DRAINAGE STRUCTURES MAY EXTEND INTO THE COMPACTED SUBGRADE PORTION OF THE ROAD BED. EXTREME CAUTION WILL BE NECESSARY DURING COMPACTION OPERATIONS IN THESE LOCATIONS. ANY DRAINAGE CULVERT THAT EXTENDS INTO THE COMPACTED SUBGRADE PORTION OF MATERIAL SHALL BE CLASS IV RCP
 B. CONCRETE PIPE CULVERT (R.C.P.) SHALL BE CLASS III, WALL B UNLESS OTHERWISE NOTED.
 C. ALL STORM STRUCTURE TOPS SHALL BE ADJUSTED AT TIME OF FINAL PAVEMENT OR CURB CONSTRUCTION. FINAL ADJUSTMENT OF ALL TOPS SHALL BE THE RESPONSIBILITY OF THE UNDERGROUND CONTRACTOR.
 D. THE LENGTHS OF PIPE SHOWN HEREON HAVE BEEN DETERMINED BY CALCULATING THE DISTANCE BETWEEN THE "CENTERLINE" OF THE INLETS AND/OR MANHOLES.
 E. ALL DITCH BOTTOM INLETS SHALL HAVE AN EYEBOLT AND CHAIN IN ACCORDANCE WITH FDOT INDEX 201.
 F. THE CONTRACTOR SHALL VERIFY THE EXISTING INVERT ELEVATIONS AND DIMENSIONS OF ALL EXISTING DRAINAGE STRUCTURES PRIOR TO FABRICATION OF PROPOSED DRAINAGE STRUCTURES.
 G. OFFSETS TO CURB INLETS AS SHOWN ARE OFFSETS TO PROPOSED EDGE OF PAVEMENT.
 H. ALL DRAINAGE STRUCTURE GRATES SHALL BE GALVANIZED, RETICULINE, H-20 STEEL GRATE.
25. ALL MAILBOXES CURRENTLY SERVED FROM THE ROADWAY BEFORE CONSTRUCTION MUST BE SERVED IN THE SAME MANNER AFTER CONSTRUCTION, CONFORM WITH FDOT STANDARD INDEX 532. COST OF THIS ITEM SHALL BE INCLUDED UNDER THE CONTRACT PRICE FOR CLEARING AND GRUBBING.
26. ALL EXISTING FDOT/ INDIAN RIVER COUNTY SIGNS WITHIN THE LIMITS OF CONSTRUCTION WHICH ARE TO BE RELOCATED OR REMOVED SHALL BE REMOVED BY THE CONTRACTOR AND STOCKPILED WITHIN THE RIGHT-OF-WAY FOR REMOVAL OR RELOCATION BY INDIAN RIVER COUNTY FORCES. NOTIFY INDIAN RIVER COUNTY TRAFFIC OPERATIONS AT 772-226-3461.
27. CONTRACTOR SHALL EXERCISE CAUTION WHILE REMOVING AND/OR RELOCATING EXISTING SIGNS IN ORDER TO PREVENT ANY UNNECESSARY DAMAGE TO THE SIGNS. SIGNS WHICH ARE DAMAGED BEYOND USE, AS DETERMINED BY THE ENGINEER, SHALL BE REPLACED BY THE CONTRACTOR AT HIS EXPENSE.
28. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DOCUMENTING THE EXISTING PAVEMENT MARKINGS BEFORE WORK IS STARTED AND THIS INFORMATION SHALL BE USED IN CONJUNCTION WITH TEMPORARY STRIPING AND FINISHED STRIPING.
29. EXCAVATED SOILS AND EXISTING ROCK BASE MAY BE USED FOR EMBANKMENT CONSTRUCTION PROVIDED THAT THE MATERIAL IS CLEAN FILL, FREE OF ORGANIC MATERIALS, ROOTS OR OTHER DELETERIOUS MATERIALS, AND CONFORMS WITH FDOT SPECIFICATIONS AND FDOT STANDARD INDEX 505.
30. ANY BORROW MATERIAL REQUIRED FOR THE PROJECT SHALL BE FURNISHED BY THE CONTRACTOR FROM AREAS PROVIDED BY HIM, AND THE COST OF FURNISHING SUCH MATERIAL SHALL BE INCLUDED IN THE CONTRACT PRICE FOR EMBANKMENT (COMPACTED IN PLACE).
31. ALL MUCK AND PLASTIC MATERIAL WITHIN THE LIMITS OF CONSTRUCTION SHALL BE REMOVED BY THE CONTRACTOR IN ACCORDANCE WITH FDOT STANDARD INDEX 500.
32. NONE OF THE EXISTING BASE THAT IS REMOVED DURING CONSTRUCTION SHALL BE USED IN THE CONSTRUCTION OF THE PROPOSED BASE, UNLESS AUTHORIZED, IN WRITING, BY THE ENGINEER.
33. ALL VEGETATION, DEBRIS, PAVEMENT, CONCRETE OR OTHER UNSUITABLE MATERIALS SHALL BE LEGALLY DISPOSED OF OFF-SITE IN AN AREA PROVIDED BY THE CONTRACTOR.
34. ALL EXISTING IRRIGATION SYSTEM COMPONENTS CONFLICTING WITH THE PROPOSED CONSTRUCTION SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR. EXISTING PIPES SHALL BE CAPPED PRESSURE TIGHT AT THE R/W LINE OR LIMITS OF CONSTRUCTION. EXISTING CONTROL WIRING SHALL BE CUT, SEALED AND LEFT BURIED BELOW GRADE AT THE R/W LINE OR LIMITS OF CONSTRUCTION. IN ALL CASES, THE CONTRACTOR SHALL CLEARLY MARK IN THE FIELD ALL IRRIGATION SYSTEM BREAKS IN A MANNER ACCEPTABLE TO THE ENGINEER FOR FUTURE RECONNECTION OR EXTENSION BY OTHERS. THE COST FOR IRRIGATION SYSTEM REMOVAL, CAPPING PIPE AND SEALING WIRING SHALL BE INCLUDED IN THE CONTRACT PRICE FOR CLEARING AND GRUBBING.
35. DRIVEWAY SLOPES MAY BE MODIFIED AS DIRECTED BY THE ENGINEER TO MATCH EXISTING CONDITIONS.
36. ALL EXISTING INLET GRATES & MANHOLE CASTINGS WHICH ARE REMOVED WITHIN THE LIMITS OF COUNTY R/W'S SHALL BE STOCKPILED WITHIN THE R/W FOR REMOVAL BY COUNTY FORCES CONTACT IRC ROAD & BRIDGE DIVISION AT (772) 770-5085.
37. THE CONTRACTOR SHALL COMPLETELY REMOVE EXISTING ASPHALT & BASE MATERIAL FROM AREAS TO BE SODDED. BACKFILL SHALL CONSIST OF CLEAN GRANULAR FILL MATERIAL.
38. CONTRACTOR SHALL EXERCISE PROPER CARE & CAUTION WHEN DRIVING GUARDRAIL POSTS IN THE VICINITY OF EXISTING & PROPOSED UTILITY LINES, INCLUDING THE 12" RAW WATER MAIN. CONTRACTOR SHALL FIELD VERIFY THE LOCATION AND ELEVATION OF ALL UTILITIES PRIOR TO POST INSTALLATION. THE ENGINEER MAY DIRECT THE USE OF ENCASED GUARDRAIL POST IN LIEU OF STANDARD POSTS IF NECESSARY TO AVOID EXISTING UTILITIES AT NO ADDITIONAL COST TO THE COUNTY.
39. ALL LANE CLOSURES SHALL BE APPROVED IN ADVANCE BY INDIAN RIVER COUNTY. ALL TEMPORARY/SHORT-TERM LANE CLOSURES SHALL BE OPEN IN CASE OF EMERGENCY.
40. THE CONTRACTOR SHALL COORDINATE SELECTION AND REVIEW OF ANY PROPOSED STAGING AREAS ASSOCIATED WITH THIS PROJECT WITH THE INDIAN RIVER COUNTY CONSTRUCTION COORDINATION DIVISION AT (772) 226-1567 AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO USE. UPON COMPLETION OF THIS PROJECT THE STAGING AREA SHALL BE RESTORED TO ITS ORIGINAL CONDITION OR BETTER AT NO ADDITIONAL COST TO THE COUNTY.
41. THE CONTRACTOR SHALL SUBMIT FOR APPROVAL BY INDIAN RIVER COUNTY & FDEP, A PROJECT SPECIFIC STORMWATER POLLUTION PREVENTION PLAN. THIS PLAN SHALL BE APPROVED PRIOR TO THE START OF CONSTRUCTION.
42. THE CONTRACTOR SHALL NOT BRING HAZARDOUS MATERIALS ONTO THE PROJECT. SHOULD THE CONTRACTOR REQUIRE SUCH MATERIALS FOR PERFORMING THE CONTRACTED WORK, THE CONTRACTOR SHALL REQUEST, IN WRITING, WRITTEN PERMISSION FROM THE PROJECT ENGINEER. THE CONTRACTOR SHALL PROVIDE A COPY OF THE REQUEST TO THE INDIAN RIVER COUNTY CONSTRUCTION COORDINATION DIVISION. THE CONTRACTOR SHALL PROVIDE THE INDIAN RIVER COUNTY CONSTRUCTION COORDINATION DIVISION WITH A COPY OF THE MATERIAL SAFETY DATA SHEET (SDS) FOR EACH HAZARDOUS MATERIAL PROPOSED FOR USE, AND PROVIDE A DESCRIPTION OF THE SPECIFIC MANNER IN WHICH THE MATERIAL WILL BE USED. THE PROJECT ENGINEER SHALL COORDINATE WITH THE INDIAN RIVER COUNTY CONSTRUCTION COORDINATION DIVISION PRIOR TO ISSUING WRITTEN APPROVAL TO THE CONTRACTOR, BECAUSE STATE LAW DOES NOT TREAT PETROLEUM PRODUCTS THAT ARE PROPERLY CONTAINERIZED AS HAZARDOUS MATERIALS. SUCH PRODUCTS DO NOT REQUIRE AN SDS SUBMITTAL. ALL BULK PETROLEUM PRODUCTS STORED ON SITE SHALL REQUIRE PROPER STORAGE WHICH INCLUDES SECONDARY CONTAINMENT.
43. ANY KNOWN OR SUSPECT HAZARDOUS MATERIAL FOUND ON THE PROJECT BY THE CONTRACTOR SHALL BE IMMEDIATELY REPORTED TO THE PROJECT ENGINEER, WHO SHALL DIRECT THE CONTRACTOR TO PROTECT THE AREA OF KNOWN OR SUSPECT HAZARDOUS MATERIAL FROM FURTHER ACCESS. THE PROJECT ENGINEER IS TO NOTIFY THE PROPER REGULATORY AUTHORITY OF THE DISCOVERY. THE PROPER REGULATORY AUTHORITY WILL ADVISE/DIRECT THE PROJECT ENGINEER IN THE INVESTIGATION, IDENTIFICATION AND/OR REMOVAL/REMEDICATION OF THE MATERIAL IN QUESTION AS NEEDED. THE CONTRACTOR SHALL NOT RETURN TO THE AREA OF SUSPECTED CONTAMINATION UNTIL APPROVAL IS PROVIDED BY THE PROJECT ENGINEER. THE REGULATORY AUTHORITY WILL ADVISE THE PROJECT ENGINEER IN THESE MATTERS.
44. CONTRACTOR SHALL MAINTAIN EXISTING FIBER OPTIC CABLE SERVING THE INDIAN RIVER COUNTY SHERIFF'S OFFICE IN WORKING ORDER AT ALL TIMES DURING CONSTRUCTION OF THE PROJECT.
45. CONTRACTOR SHALL SUBMIT A PROJECT SPECIFIC HURRICANE PREPAREDNESS PLAN FOR REVIEW AND ACCEPTANCE. THIS PLANS SHALL DETAIL THE CONTRACTOR'S PROCEDURES AND TIMELINES FOR DEMOBILIZATION AND REMOBILIZATION IN THE EVENT OF A TROPICAL EVENT.

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ARCADIS U.S., INC.

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EB 7917 / LB 7062

NO.	REVISION	BY	DATE



Department of Public Works
Engineering Division

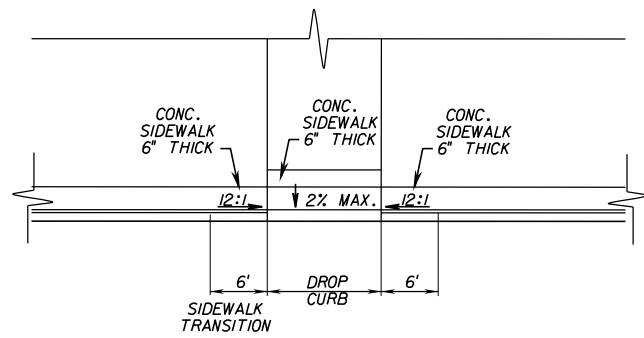
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DATE: 11-11-03
FIELD BOOK NO:

GENERAL NOTES

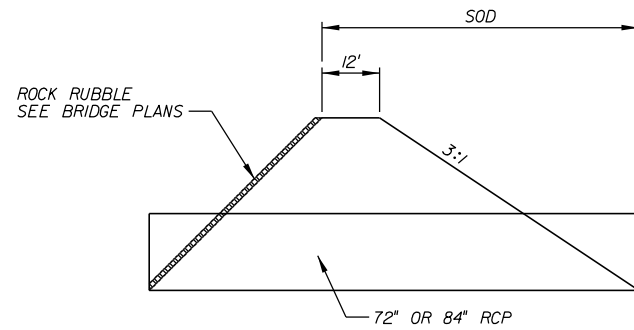
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SOUTH OF S.R. 60 TO NORTH OF 57TH ST.

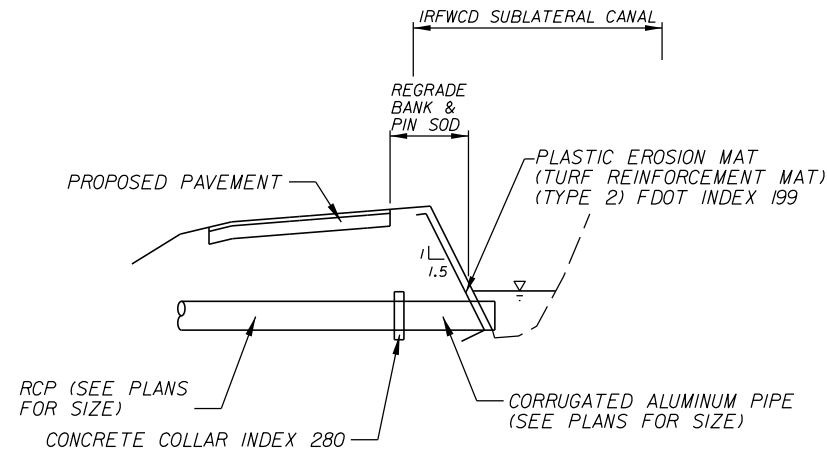
SHEET	18
OF	112
PROJECT NO.	A1053
IRC_JOB_NO.	1505



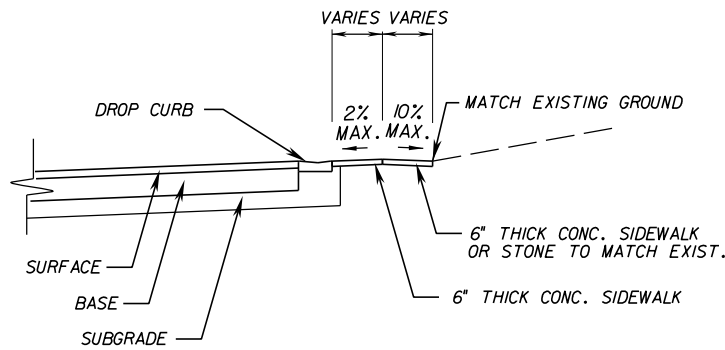
PLAN VIEW
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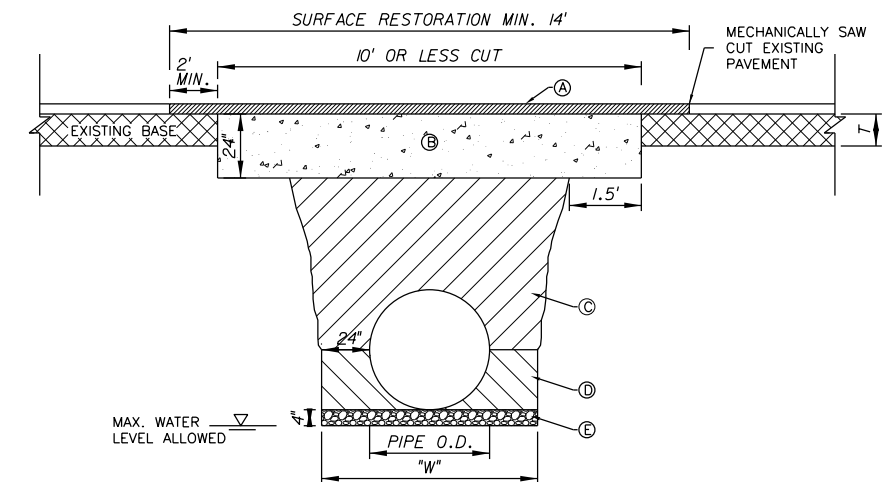
SLOPE DETAIL AT LATERAL CANALS
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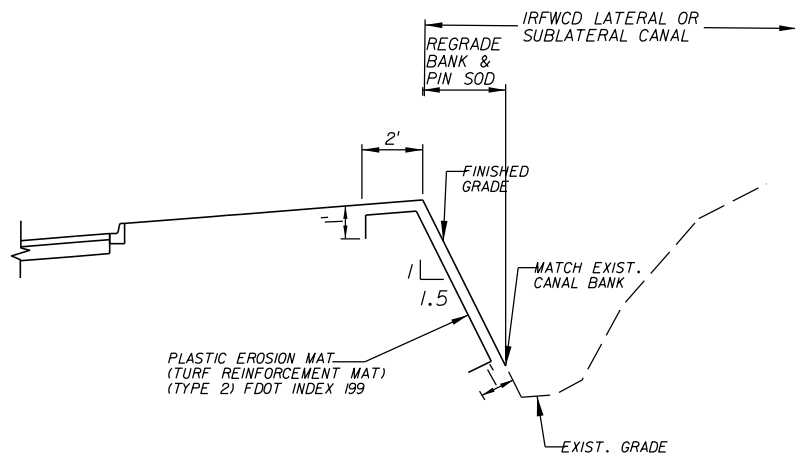
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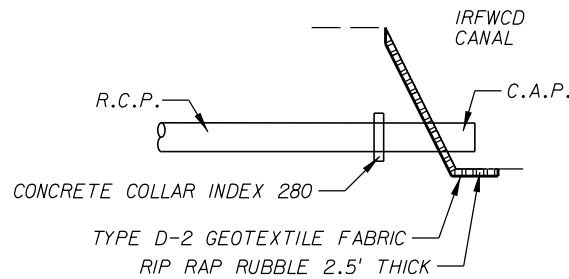
PROFILE
N.T.S.
DRIVEWAY DETAIL
N.T.S.



STORMWATER/UTILITY PIPE
INSTALLATION



DETAIL OF FILL AT LATERAL OR SUBLATERAL CANALS
N.T.S.



RIP RAP RUBBLE DETAIL
N.T.S.

- NOTES:
- UTILITY CONSTRUCTION WITHIN THE RIGHT-OF-WAY SHALL COMPLY WITH COUNTY CODE CHAPTER 312.
 - ALL INSTALLATIONS LESS THAN 12" DIAMETER AND NON GRAVITY UTILITIES SHALL BE BY DIRECTIONAL BORE.
 - PARTIAL LANE CUTS REQUIRE A MINIMUM OF SINGLE LANE RESTORATION.
 - WHERE SOIL CONDITIONS CANNOT BE MAINTAINED AS SHOWN ABOVE, PROVIDE APPROVED METHOD OF CONSTRUCTION FOR APPROVAL BY THE COUNTY ENGINEER OR DESIGNEE PRIOR TO INSTALLATION.
 - SHORING MAY BE REQUIRED IN ACCORDANCE WITH ALL INDUSTRY STANDARDS.
 - NEW SURFACING MATERIALS SHALL BE CONSISTENT OR BETTER THAN EXISTING CONDITIONS AND SHALL HAVE BUTT JOINTS (2.5 INCH MINIMUM THICKNESS).
 - ALL ROADWAY RESTORATION SHALL COMPLY WITH INDIAN RIVER COUNTY PUBLIC WORKS AND FDOT STANDARDS (LATEST EDITION).
 - MINIMUM TRENCH WIDTH "W" = PIPE O.D. PLUS 2'-0" ON EACH SIDE.
- Ⓐ MINIMUM EXISTING PAVEMENT DEPTH OR PER COUNTY ROADWAY DESIGN CRITERIA DETAIL, WHICHEVER IS GREATER.
- Ⓑ FLOWABLE FILL AS DEFINED AS NON-EXCAVATABLE IN ACCORDANCE WITH FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, SECTION 121, WITH STRENGTH OF 125-300 PSI.
- Ⓒ A.A.S.H.T.O. TYPE A-3 MATERIAL IN MAXIMUM 6" LIFTS COMPACTED AT 98% A.A.S.H.T.O. T-180.
- Ⓓ A.A.S.H.T.O. TYPE A-3 MATERIAL IN MAXIMUM 4" LIFTS COMPACTED AT 98% A.A.S.H.T.O. T-180. EXCAVATABLE FLOWABLE FILL IS ALLOWED WITH PRIOR APPROVAL OF PROPOSED MATERIAL STRENGTH BY THE COUNTY ENGINEER OR DESIGNEE.
- Ⓔ ¾" DIAMETER, WASHED BEDDING ROCK OR PEA ROCK WHERE UNSUITABLE BEDDING MATERIAL EXISTS OR IF DEWATERING IS REQUIRED. SUITABLE MATERIAL IS DEFINED AS STABLE GRANULAR MATERIAL FREE OF ROCK FORMATION, OTHER FOREIGN FORMATIONS AND CONSTRUCTED TO UNIFORM GRADE AND LINE.

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ARCADIS U.S., INC.
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EB 7917 / LB 7062

NO.	REVISION	BY	DATE

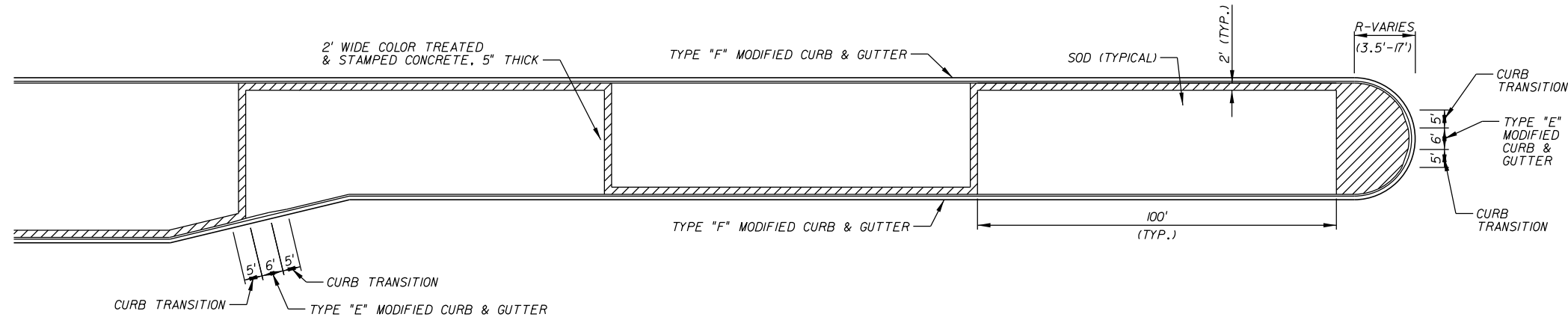


Department of Public Works
Engineering Division

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DATE: 03-25-08
FIELD BOOK NO:

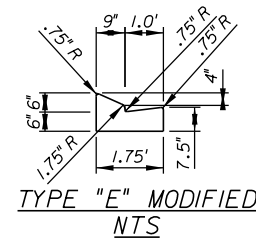
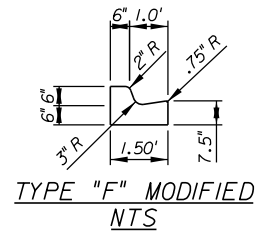
DETAIL
66 TH AVENUE
SOUTH OF S.R. 60 TO NORTH OF 57TH ST.

SHEET 19
OF 112
PROJECT NO. A1053
IRC_JOB_NO. 1505



COLOR TREATED & STAMPED CONCRETE TREATMENT
AT LEFT TURN LANES
1"=40'

NOTE: 1) TO BE CONSTRUCTED AT ALL LEFT TURN LANES BETWEEN STATION 294+93 AND 354+00
 2) COLOR TREATED & STAMPED CONCRETE SHALL BE 3,000 PSI CONCRETE STAMPED IN A NEW BRICK RUNNING BOND PATTERN (SCOFIELD LITHOTEX PAVECRAFTERS OR EQUAL) COLORED WITH CROMIX ADMIXTURE (COLOR SELECTED BY THE ENGINEER) & SEALED WITH LITHOCROME SEALER.



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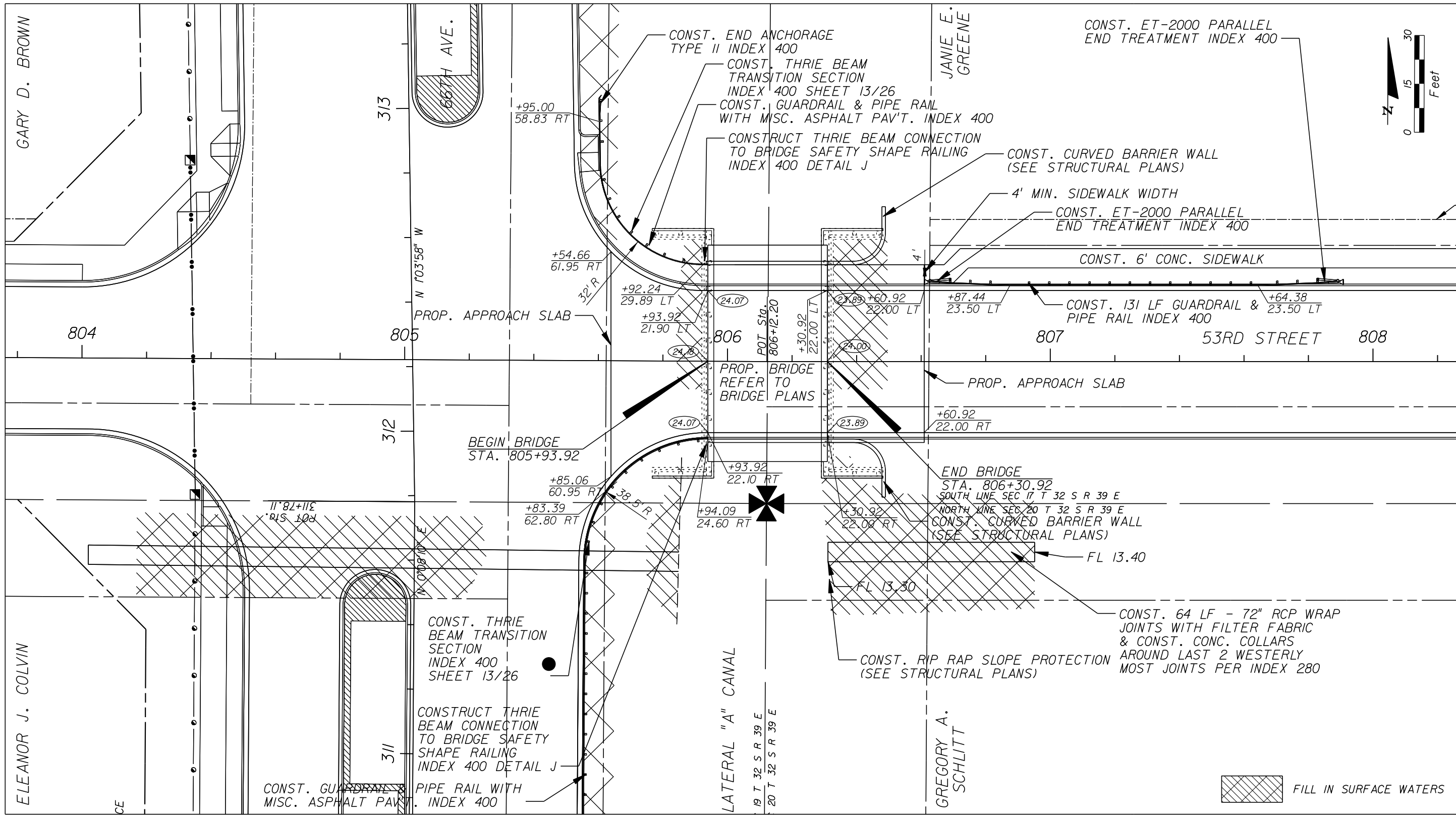


Department of Public Works
Engineering Division

SCALE: N.T.S.
 APPROVED:
 DRAWN: B.F.
 CHECKED: H.D.
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DETAIL
66 TH AVENUE
SOUTH OF S.R. 60 TO NORTH OF 57TH ST.

SHEET 20
OF 112
PROJECT NO. A1053
IRC_JOB_NO. 1505



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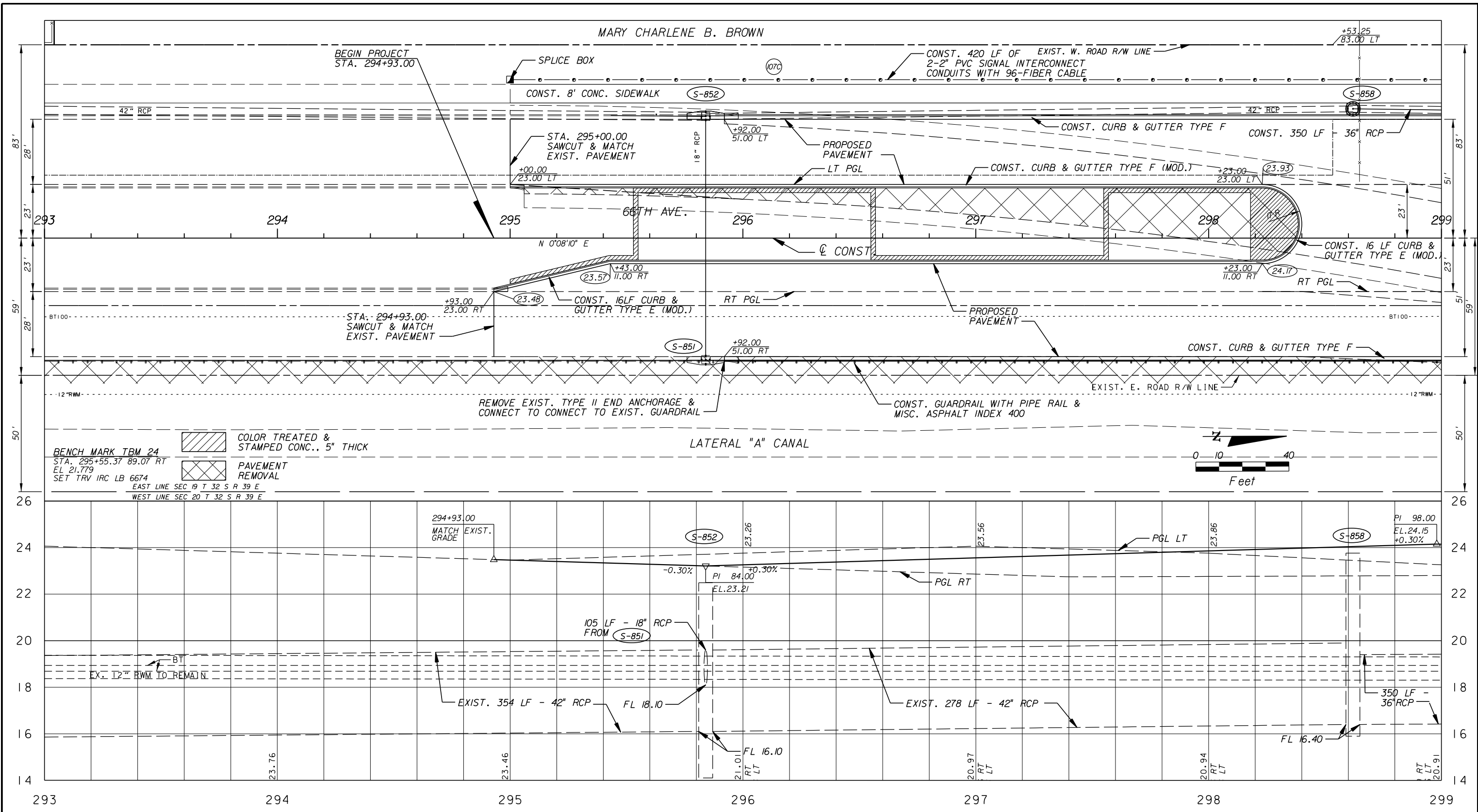


Department of Public Works
 Engineering Division

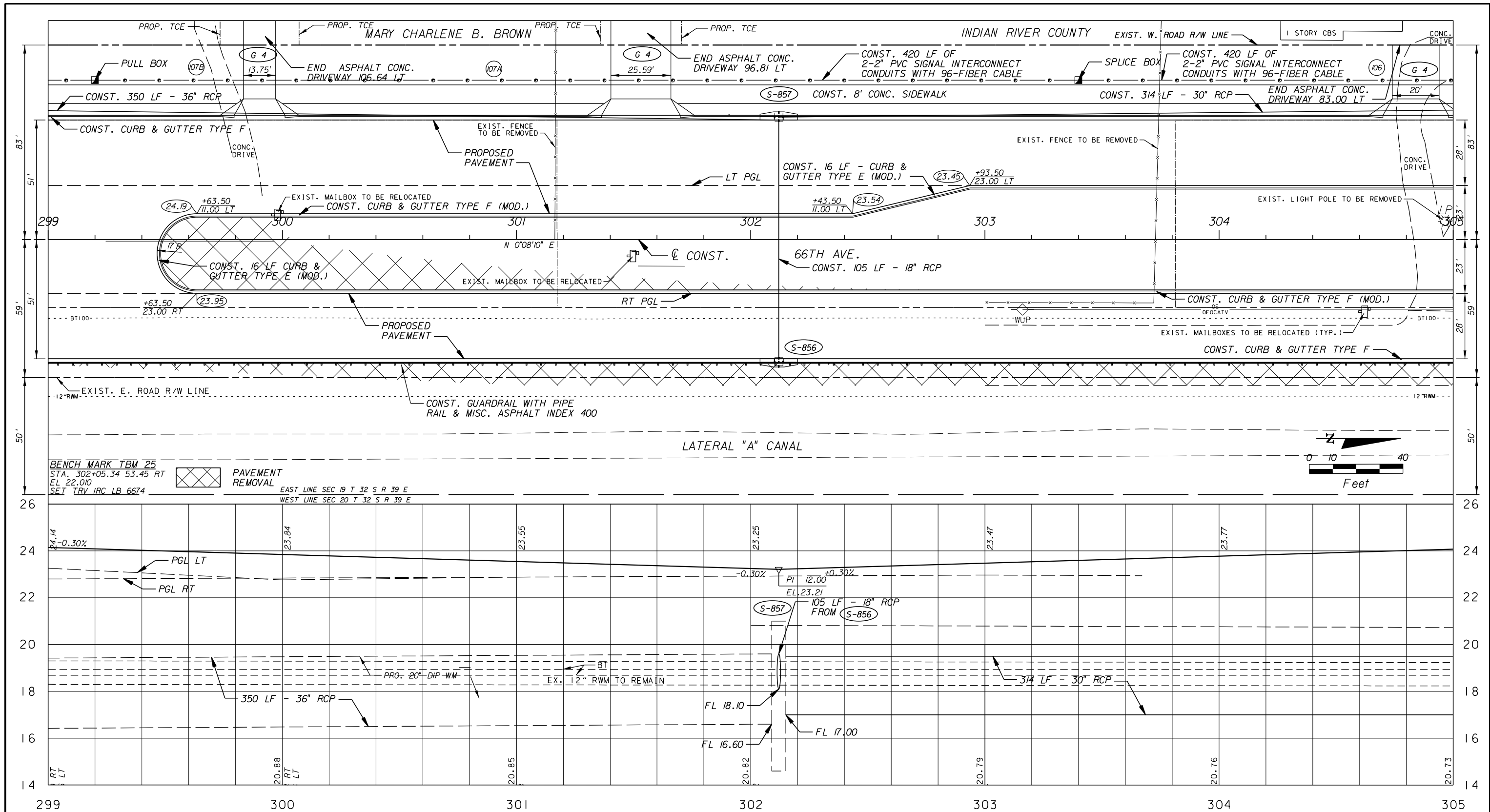
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 DATE:
 FIELD BOOK NO:

DETAIL
66 TH AVENUE
53RD STREET

SHEET 21
 OF 112
 PROJECT NO. A1053
 IRC_JOB_NO. 1505



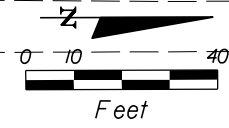
NO.	REVISION	BY	DATE



BENCH MARK TBM 25
 STA. 302+05.34 53.45 RT
 EL. 22.010
 SET TRV IRC LB 6674

PAVEMENT
 REMOVAL

EAST LINE SEC 19 T 32 S R 39 E
 WEST LINE SEC 20 T 32 S R 39 E



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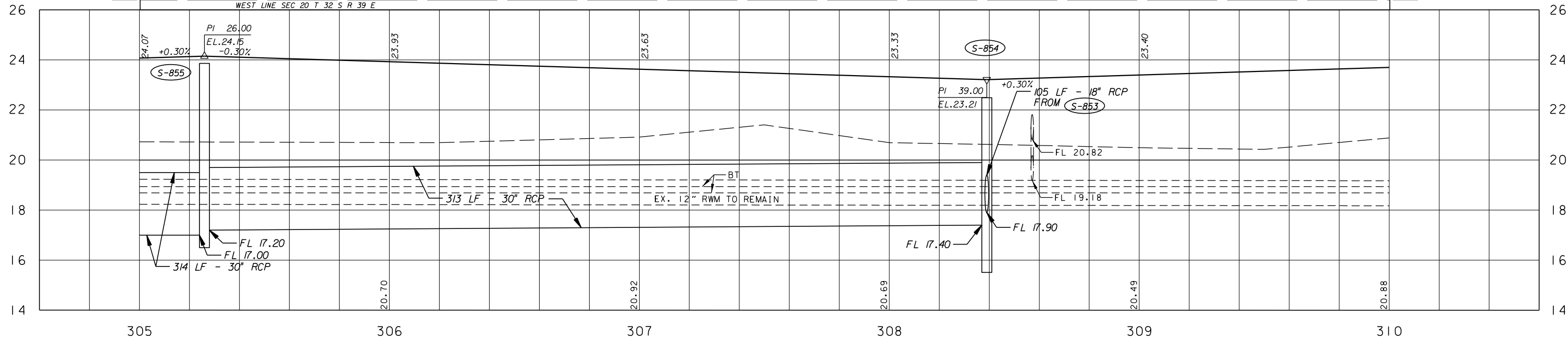
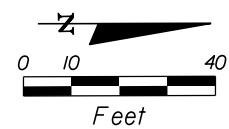
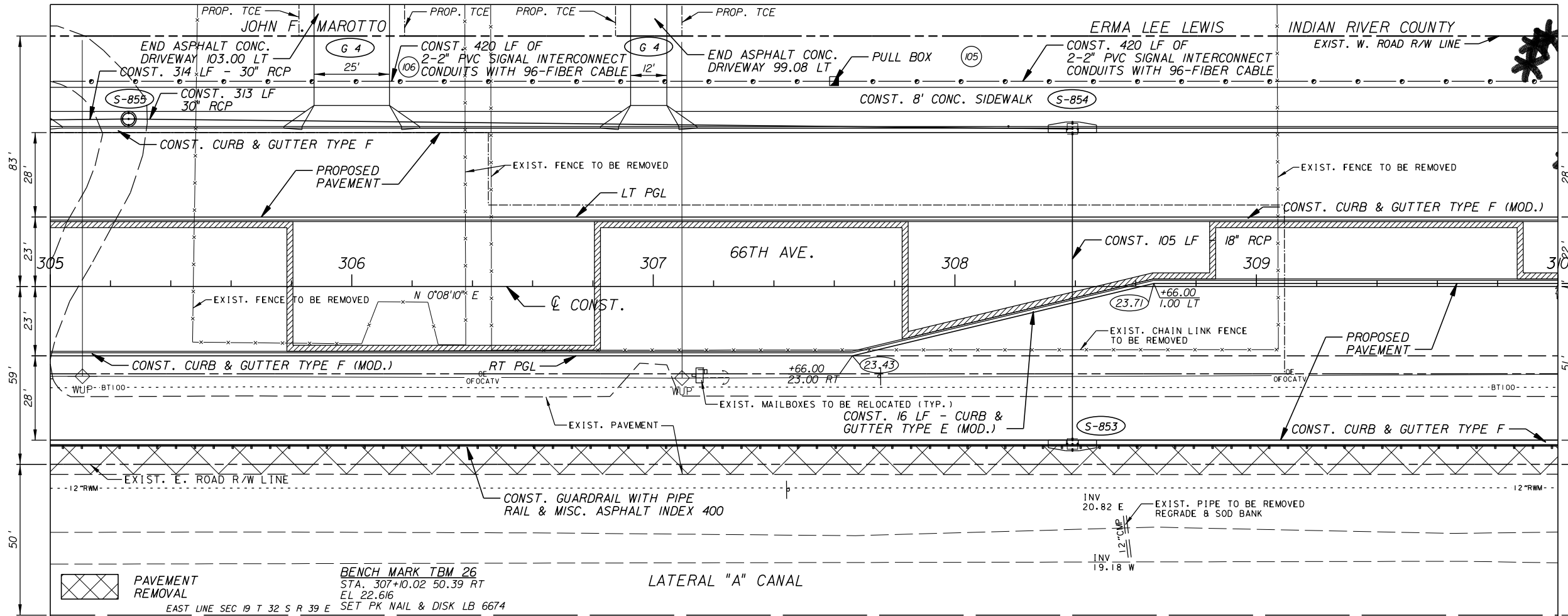
NO.	REVISION	BY	DATE

INDIAN RIVER COUNTY
 Department of Public Works
 Engineering Division

SCALE: 1"=40'
 APPROVED: B.F.
 DRAWN: H.D.
 CHECKED: H.D.
 DATE: 12-20
 FIELD BOOK NO:

PLAN AND PROFILE
66 TH AVENUE
 SOUTH OF S.R. 60 TO NORTH OF 57TH ST.

SHEET OF: 24 / 112
 PROJECT NO. A1053
 IRC_JOB_NO. 1505



ARCADIS U.S., INC.
 2081 VISTA PARKWAY, WEST PALM BEACH, FL 33411
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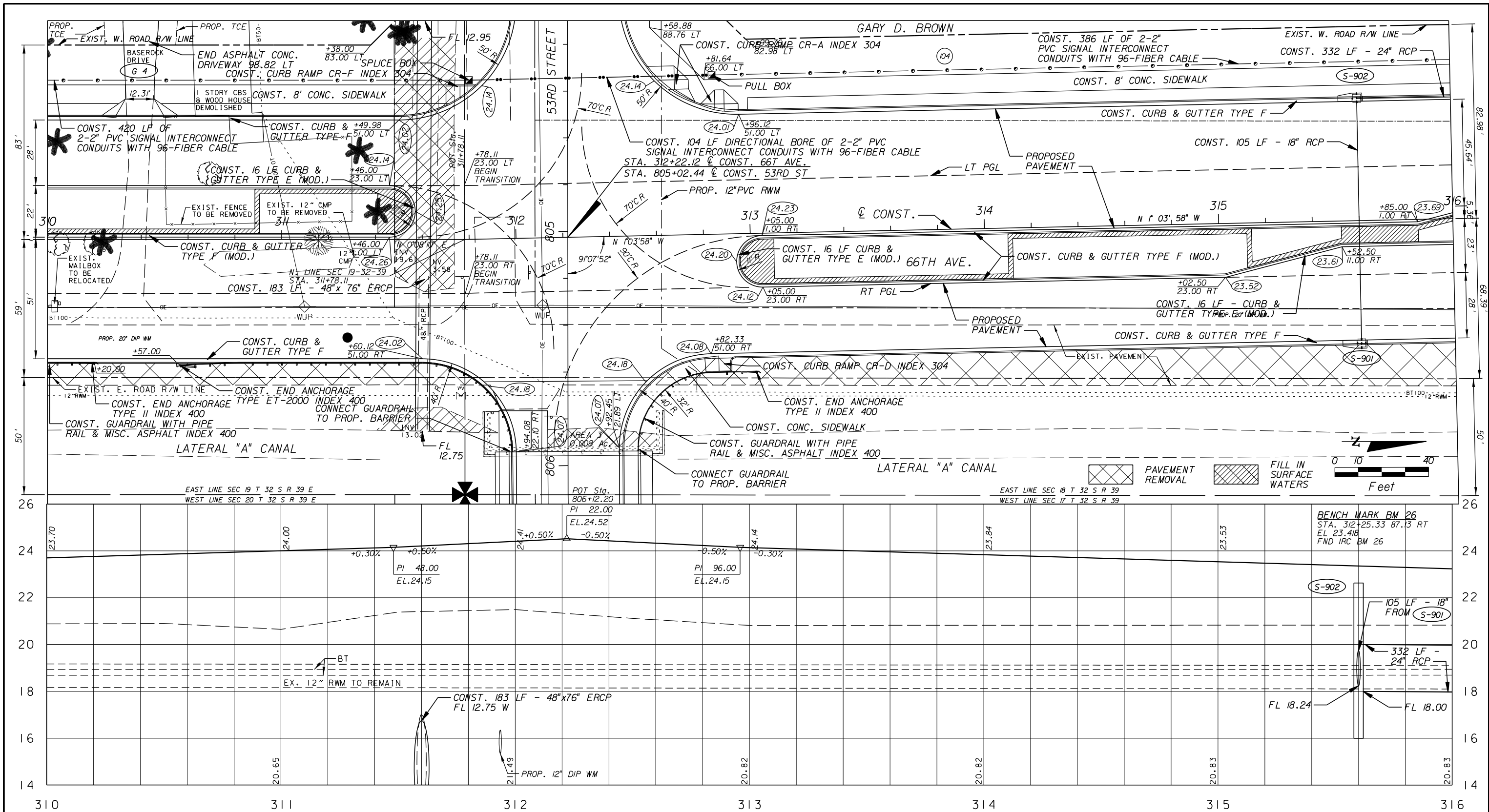
NO.	REVISION	BY	DATE

Department of Public Works
 Engineering Division

SCALE: 1"=40'
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DATE:
FIELD BOOK NO:


PLAN AND PROFILE
66 TH AVENUE
 SOUTH OF S.R. 60 TO NORTH OF 57TH ST.

SHEET OF:	25 / 112
PROJECT NO.	A1053
IRC_JOB_NO.	1505




ARCADIS U.S., INC.
 2081 VISTA PARKWAY, WEST PALM BEACH, FL 33411
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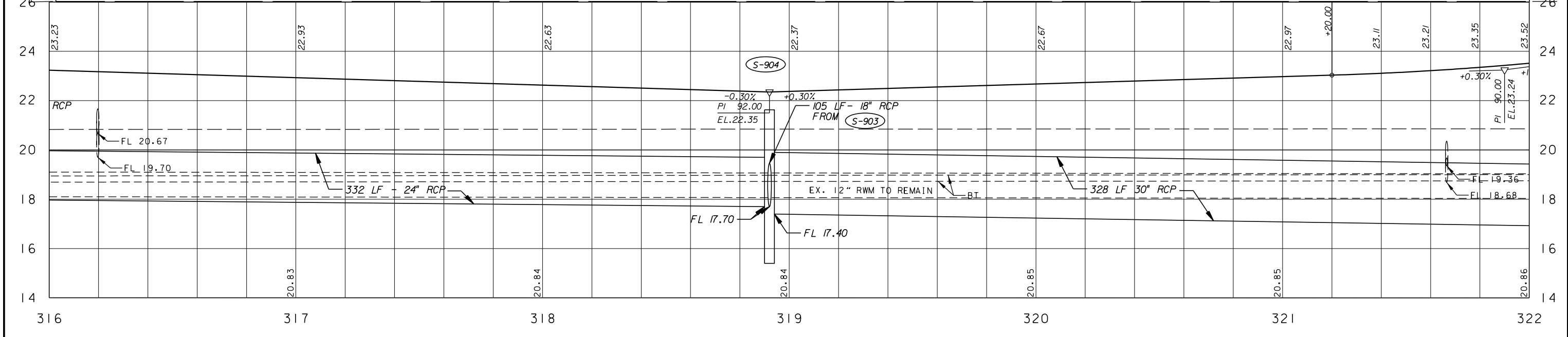
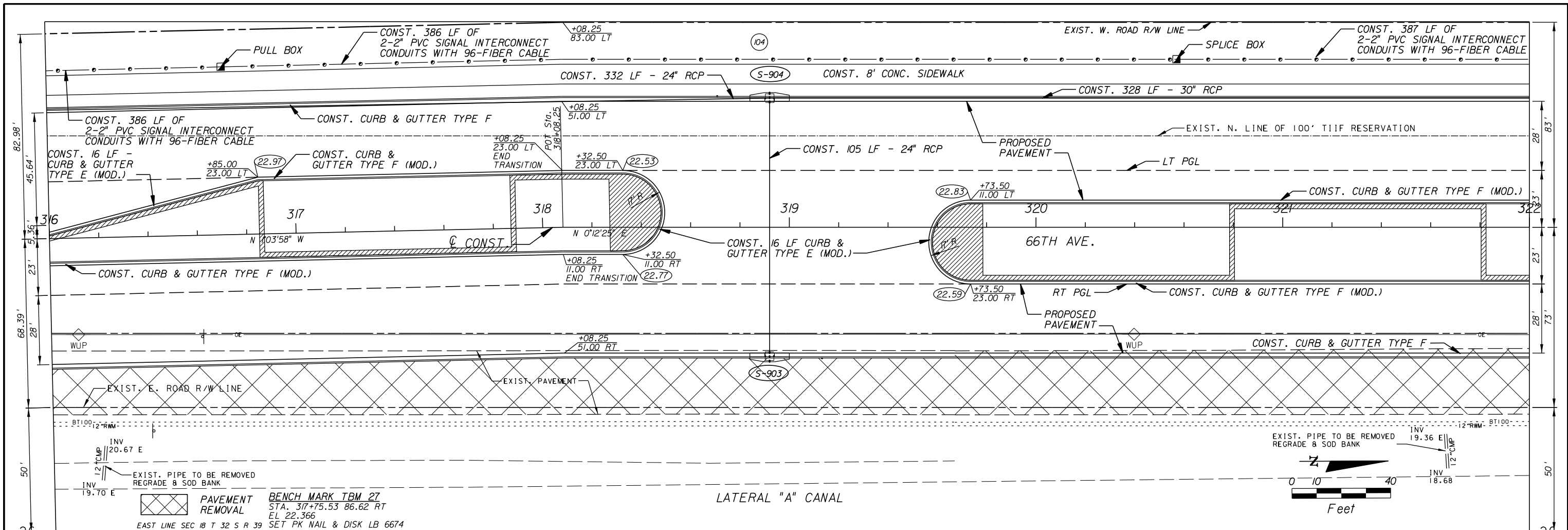
NO.	REVISION	BY	DATE


 Department of Public Works
 Engineering Division

SCALE: 1"=40'
 APPROVED: _____
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 CHECKED: H.D.
 DATE: 12-20
 FIELD BOOK NO: _____

PLAN AND PROFILE
66 TH AVENUE
 SOUTH OF S.R. 60 TO NORTH OF 57TH ST.

SHEET: 26
 OF: 112
 PROJECT NO. A1053
 IRC_JOB_NO. 1505



ARCADIS U.S., INC.
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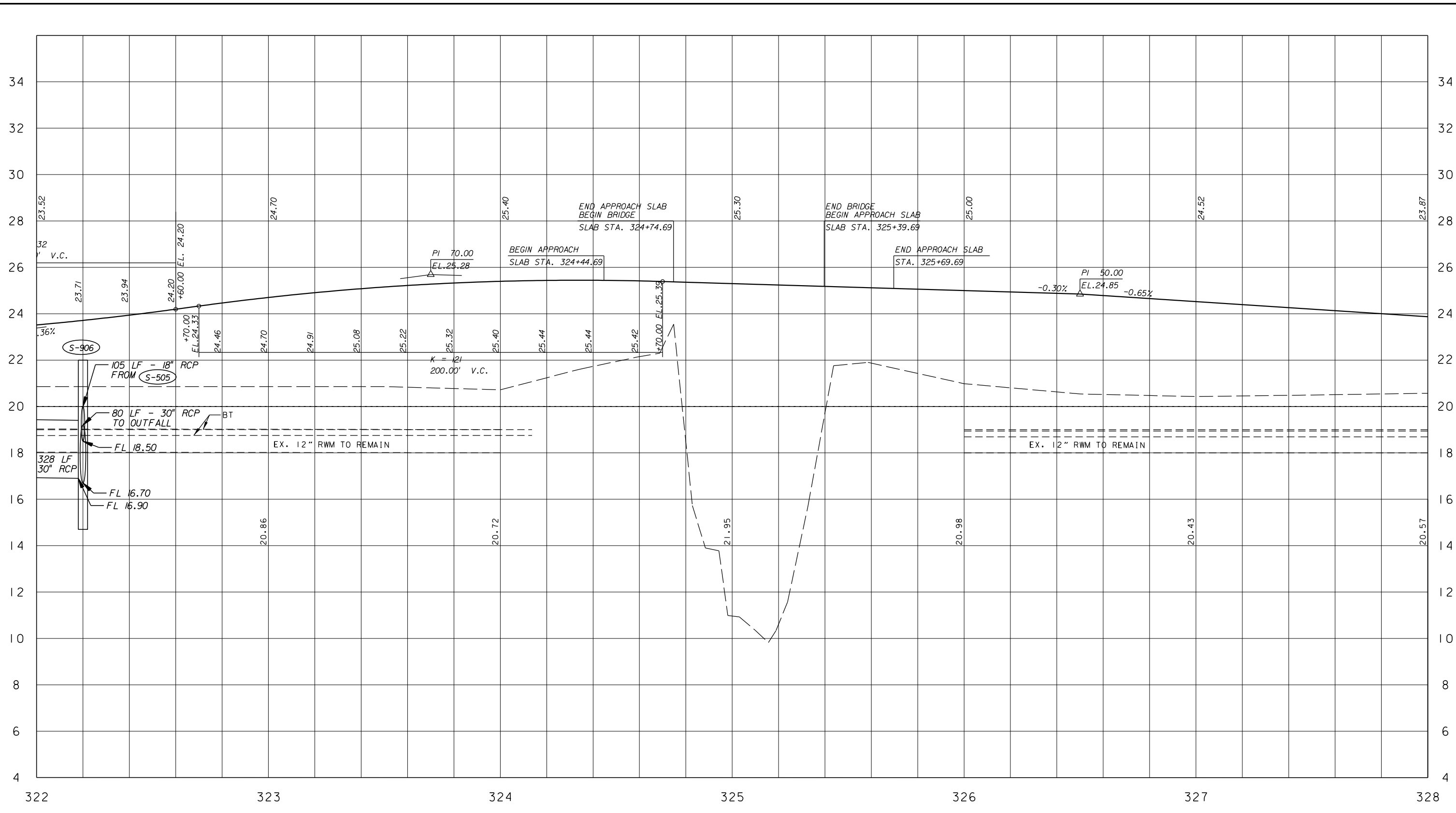
NO.	REVISION	BY	DATE


INDIAN RIVER COUNTY
 FLORIDA
 Department of Public Works
 Engineering Division

SCALE: 1"=40'
APPROVED:
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CHECKED: H.D.
DATE: 12-20
FIELD BOOK NO:


PLAN AND PROFILE
66 TH AVENUE
 SOUTH OF S.R. 60 TO NORTH OF 57TH ST.

SHEET OF:	27 112
PROJECT NO.	A1053
IRC_JOB_NO.	1505




ARCADIS U.S., INC.
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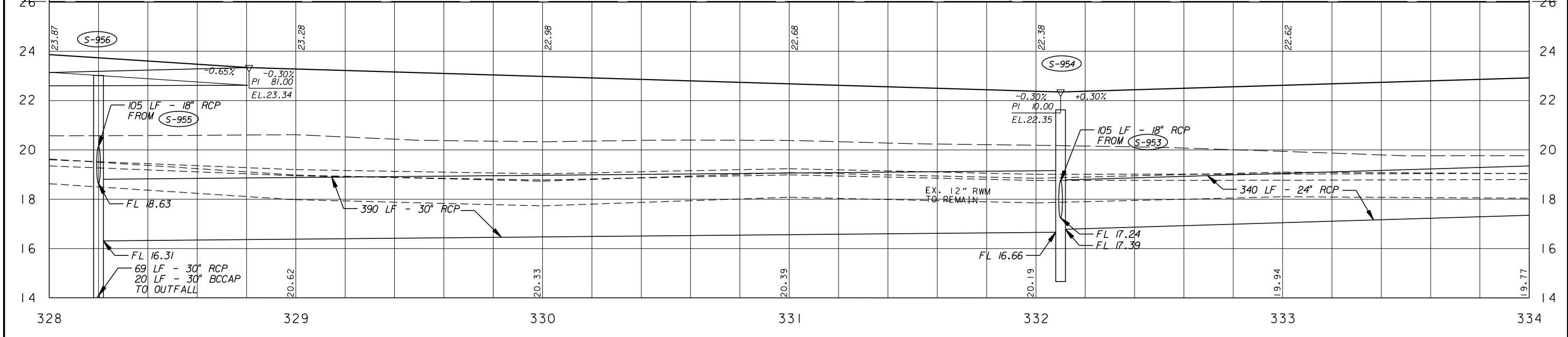
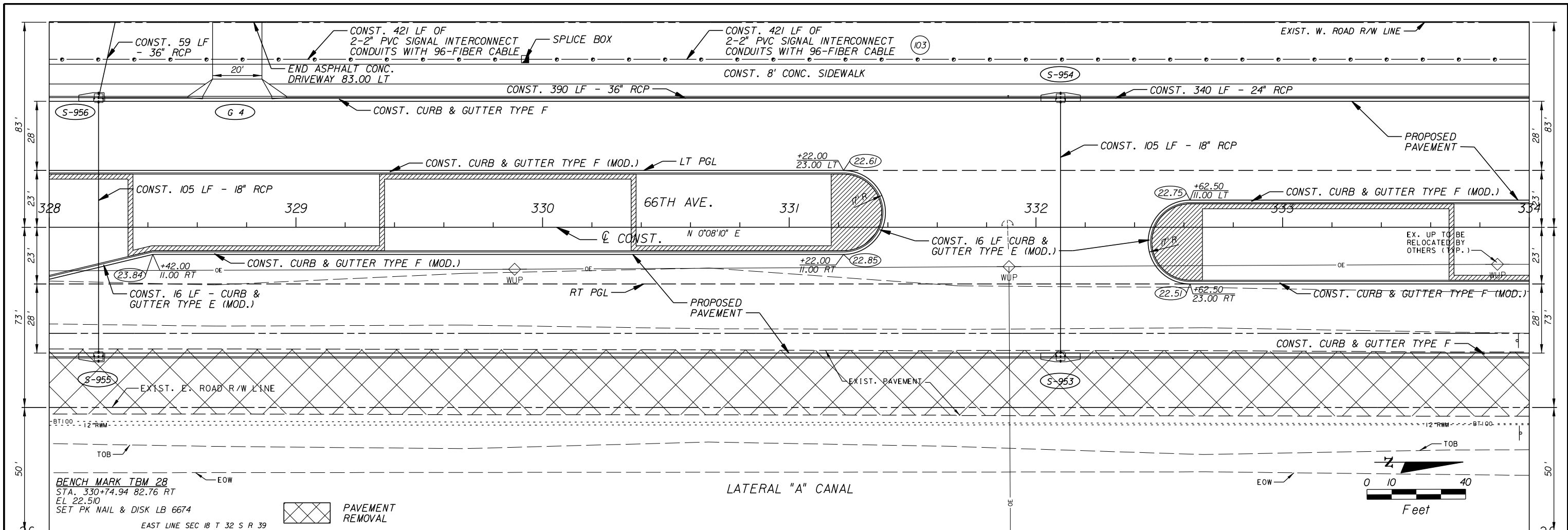
NO.	REVISION	BY	DATE


 Department of Public Works
 Engineering Division

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DATE:	12-20
FIELD BOOK NO.:	

PLAN AND PROFILE
66 TH AVENUE
 SOUTH OF S.R. 60 TO NORTH OF 57TH ST.

SHEET OF:	29 / 112
PROJECT NO.	A1053
IRC_JOB_NO.	1505



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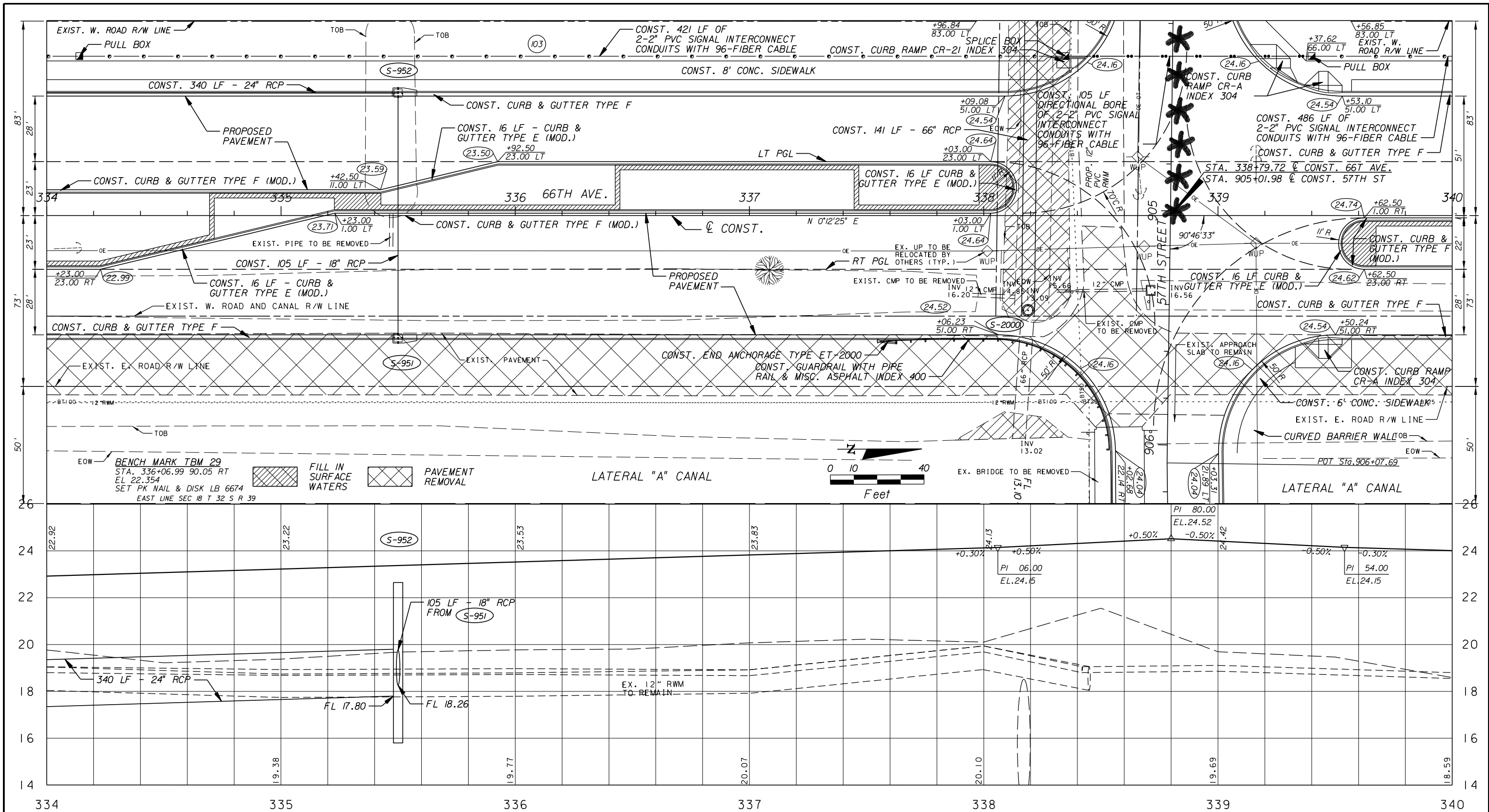
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Department of Public Works
 Engineering Division

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CHECKED: H.D.
DATE: 12-20
FIELD BOOK NO:

PLAN AND PROFILE
66 TH AVENUE
 SOUTH OF S.R. 60 TO NORTH OF 57TH ST.

SHEET OF:	30 112
PROJECT NO.	A1053
IRC_JOB_NO.	1505

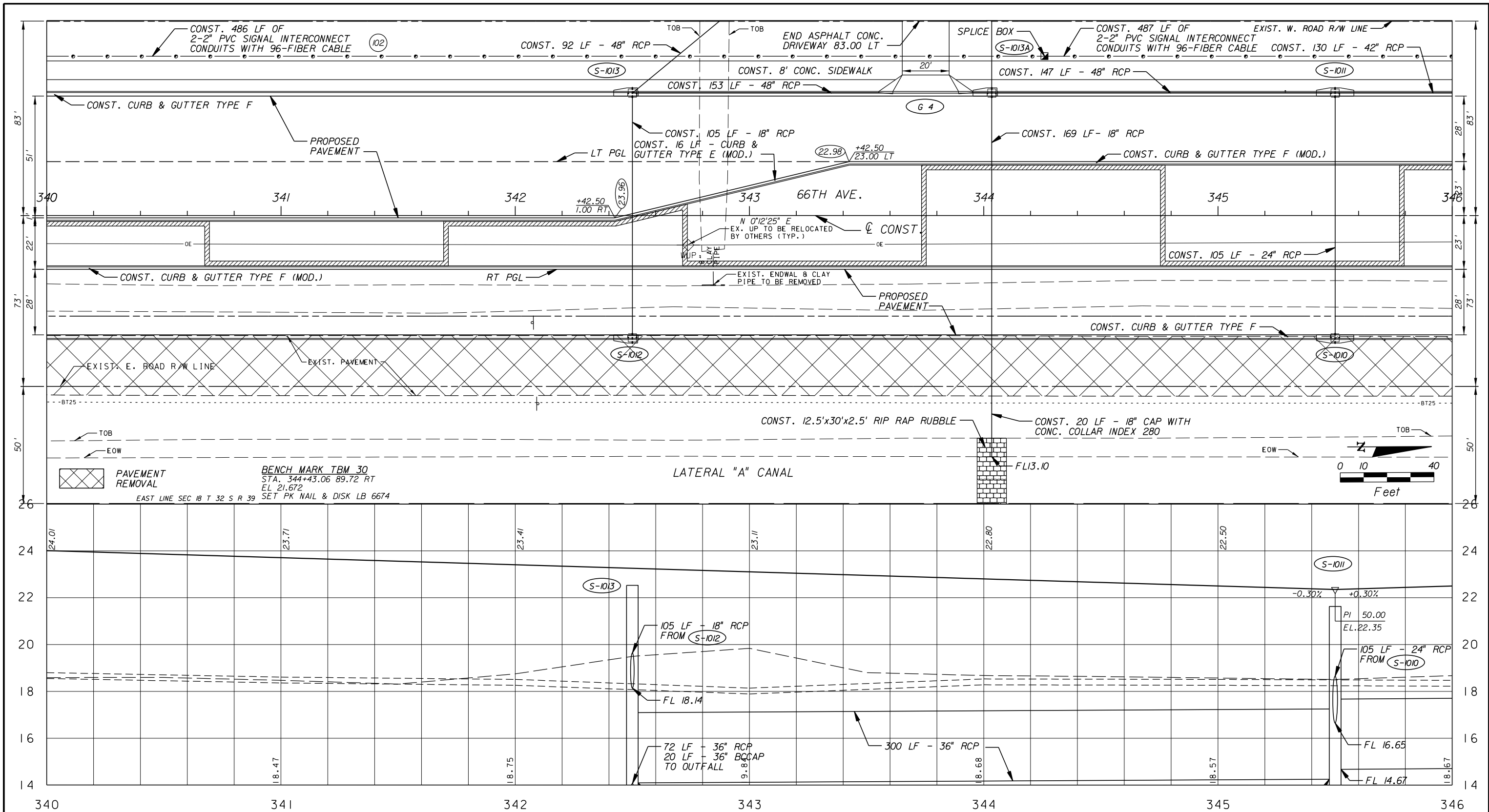


NO.	REVISION	BY	DATE

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DATE: 12-20
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PLAN AND PROFILE
66 TH AVENUE
 SOUTH OF S.R. 60 TO NORTH OF 57TH ST.

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OF: 112
PROJECT NO. A1053
IRC_JOB_NO. 1505



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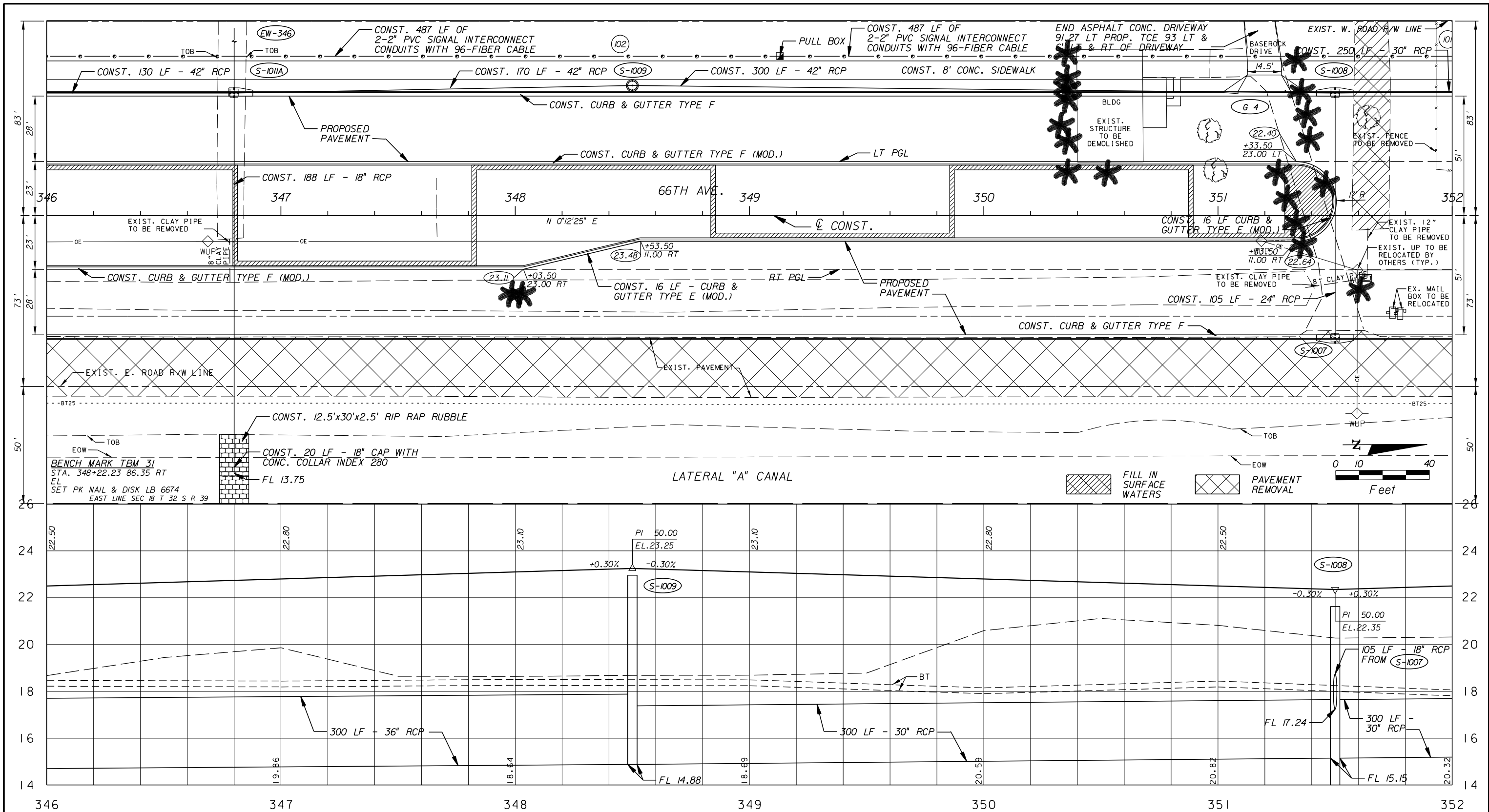
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Department of Public Works
 Engineering Division

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DATE: 12-20
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PLAN AND PROFILE
66 TH AVENUE
 SOUTH OF S.R. 60 TO NORTH OF 57TH ST.

SHEET OF:	32 / 112
PROJECT NO.	A1053
IRC_JOB_NO.	1505




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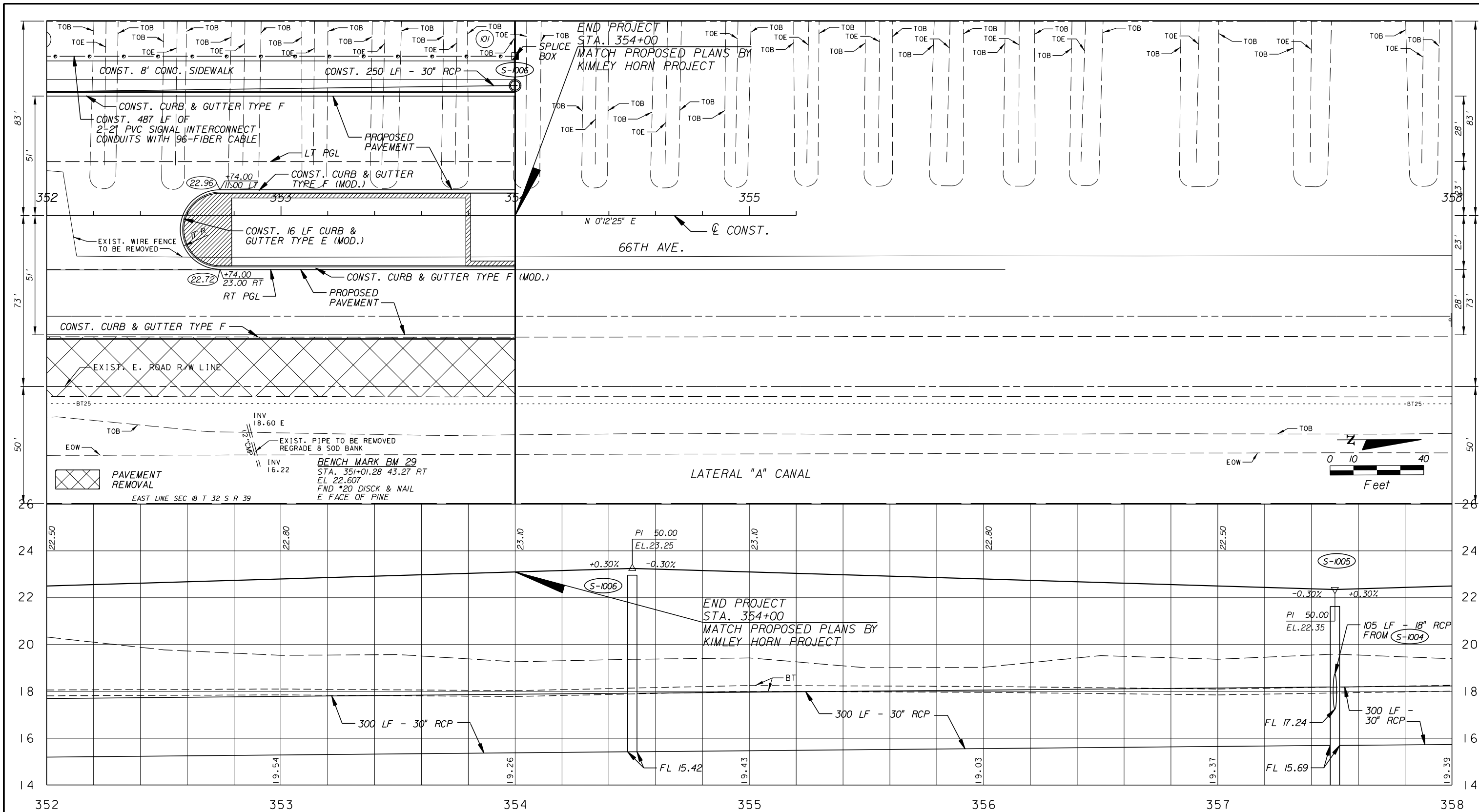
NO.	REVISION	BY	DATE



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 Engineering Division

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SHEET: 33
 OF: 112
 PROJECT NO. A1053
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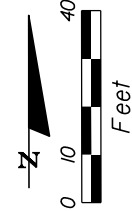
PLAN AND PROFILE
66 TH AVENUE
 SOUTH OF S.R. 60 TO NORTH OF 57TH ST.

SHEET: 34
 OF: 112
 PROJECT NO. A1053
 IRC_JOB_NO. 1505

H.T., JR. AND EUNICE L. JAMES

MIREILLE T. AYOUB

BEGIN CONSTRUCTION
STA. 791+82.85

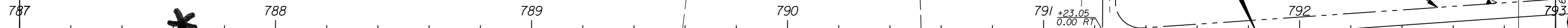


53RD STREET

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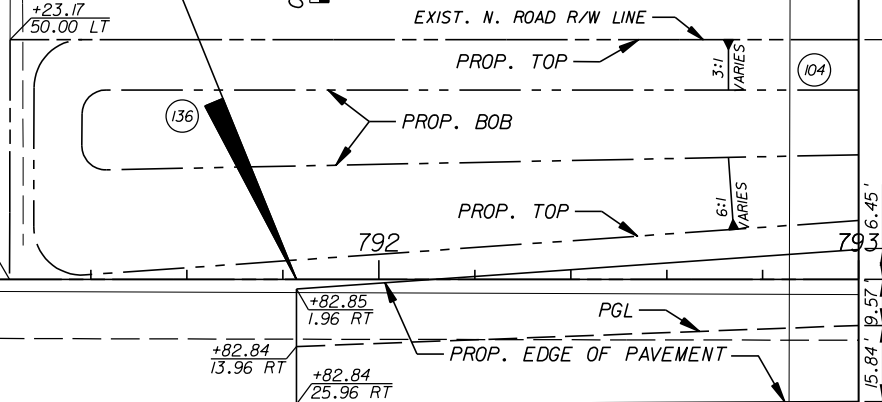
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(104)



CL CONST. S 89°56'06" E

WUP



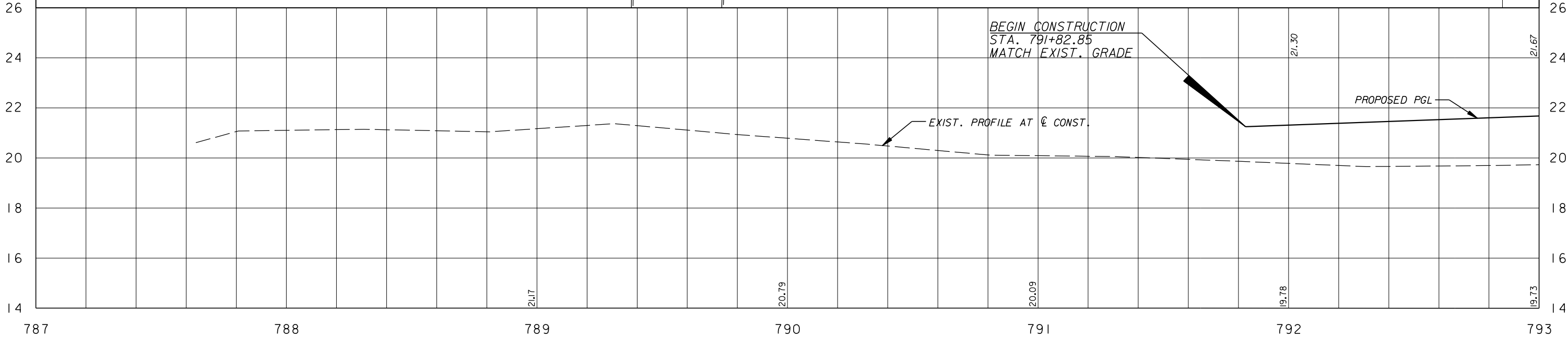
SUB-LATERAL A-9 CANAL

EXIST. S. ROAD AND
N. CANAL R/W LINE



INV
14.02

INV
14.05



BEGIN CONSTRUCTION
STA. 791+82.85
MATCH EXIST. GRADE

EXIST. PROFILE AT CL CONST.

PROPOSED PGL

GB310 / LC26000269

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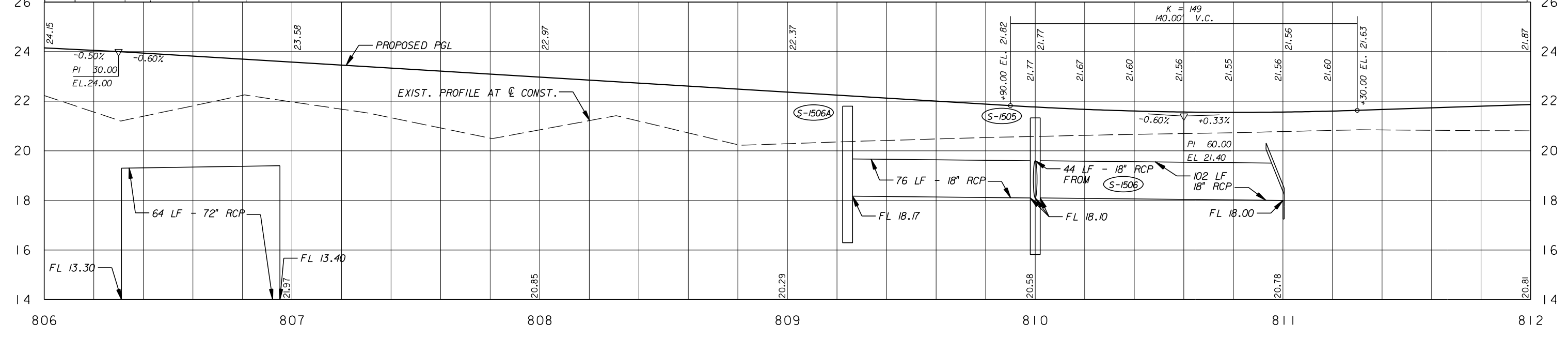
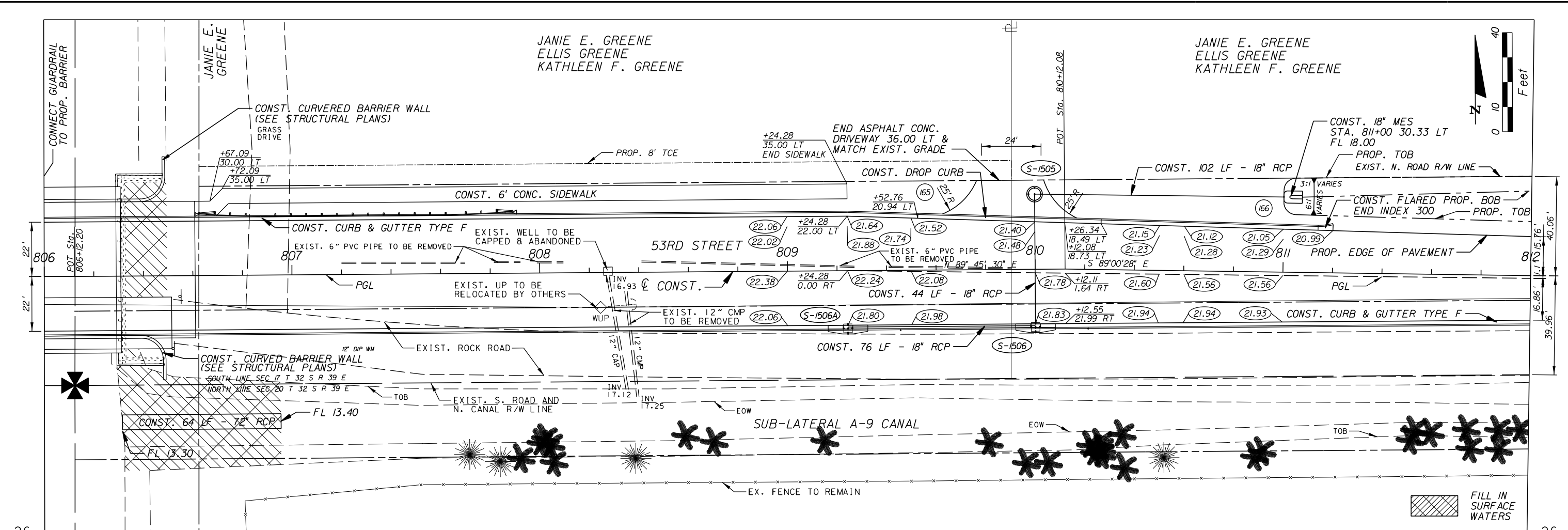


Department of Public Works
Engineering Division

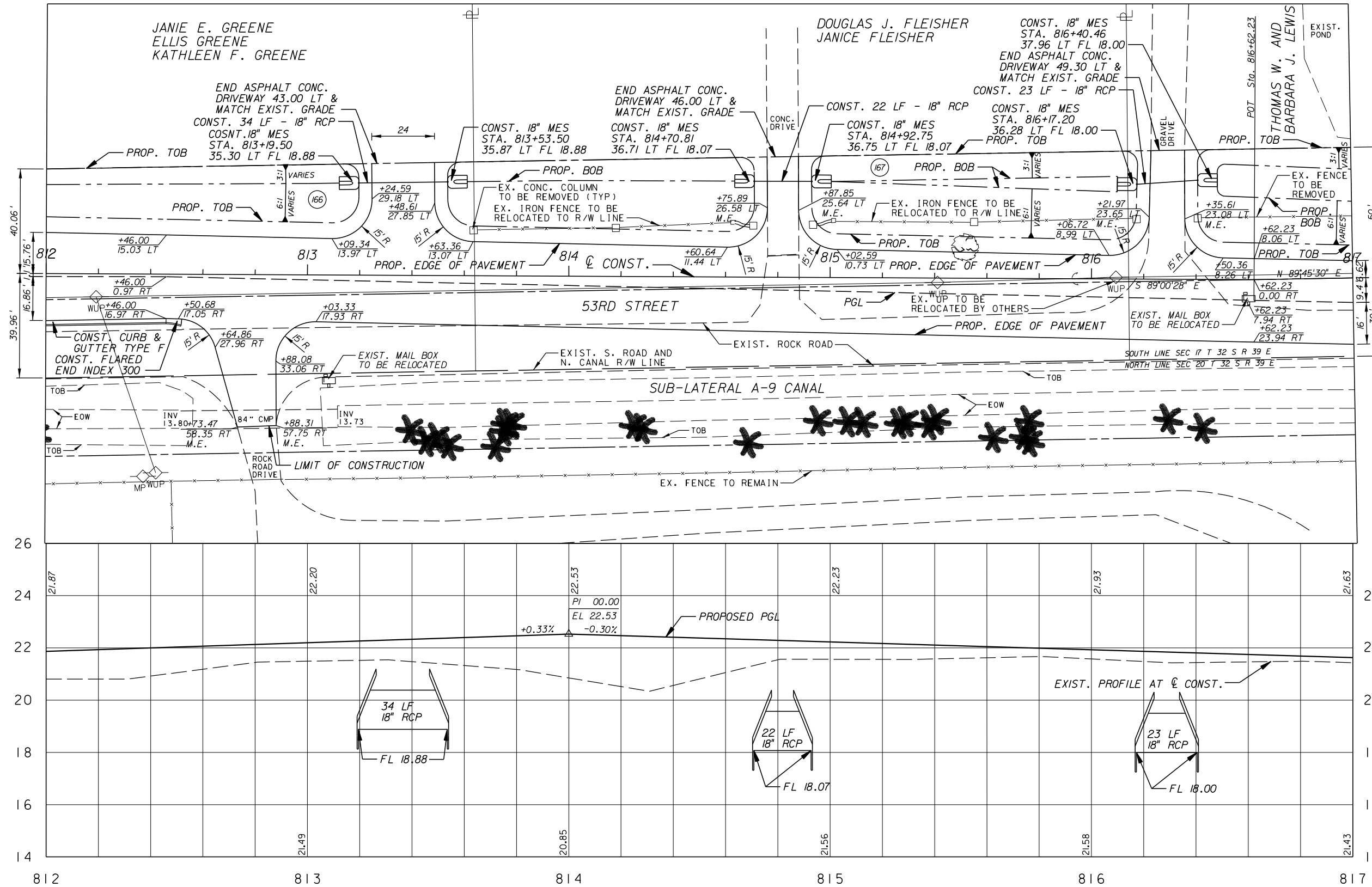
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CHECKED: H.D.
DATE: 12-20
FIELD BOOK NO:

PLAN AND PROFILE
66 TH AVENUE
53RD STREET

SHEET 35
OF 112
PROJECT NO. A1053
IRC_JOB_NO. 1505



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	<p>EB 7917 / LB 7062</p>				



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NO.	REVISION	BY	DATE

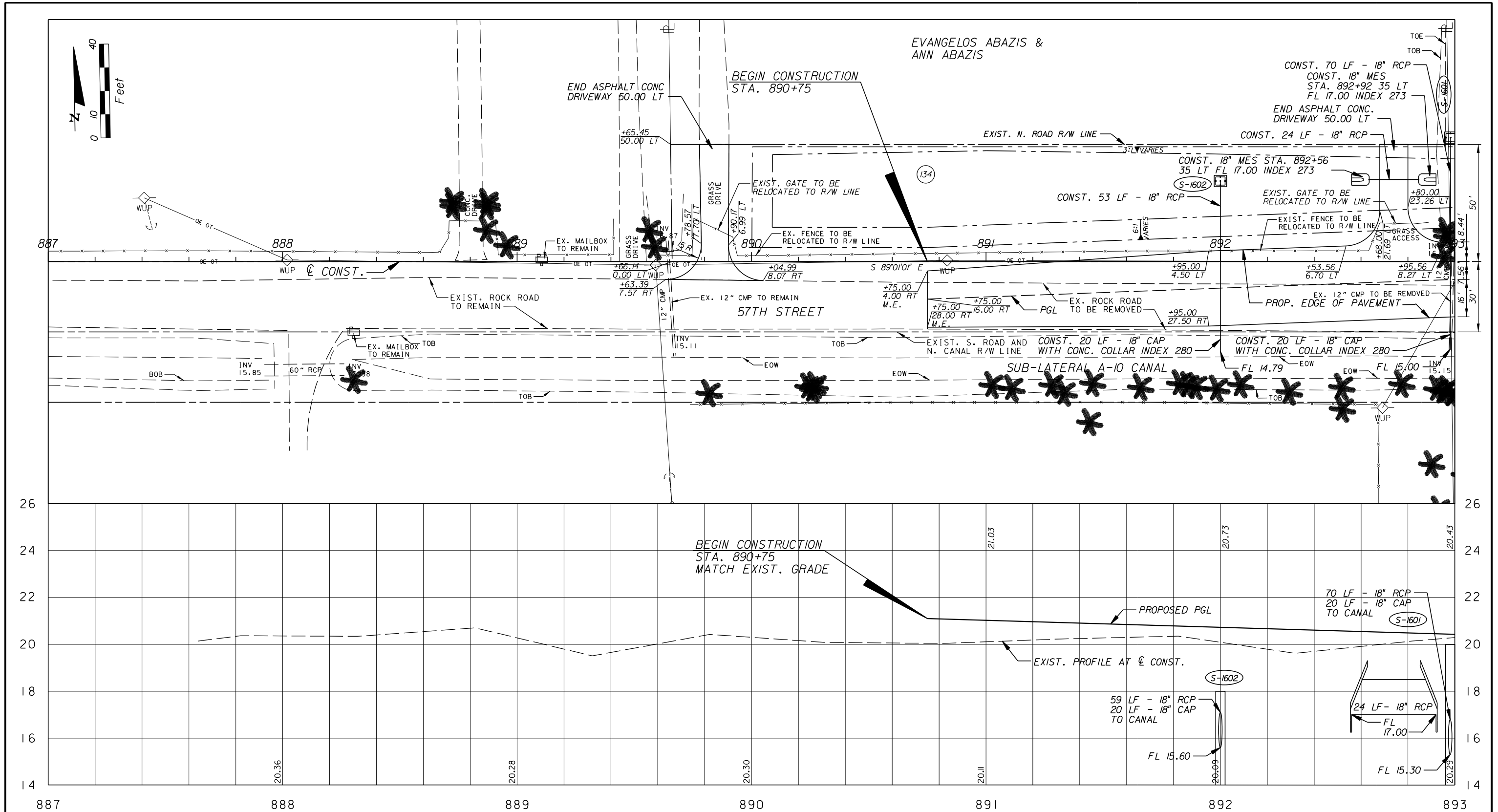


Department of Public Works
Engineering Division

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PLAN AND PROFILE
66 TH AVENUE
53RD STREET

SHEET: 39
OF: 112
PROJECT NO. A1053
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NO.	REVISION	BY	DATE

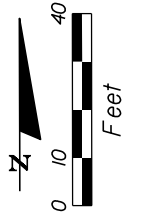
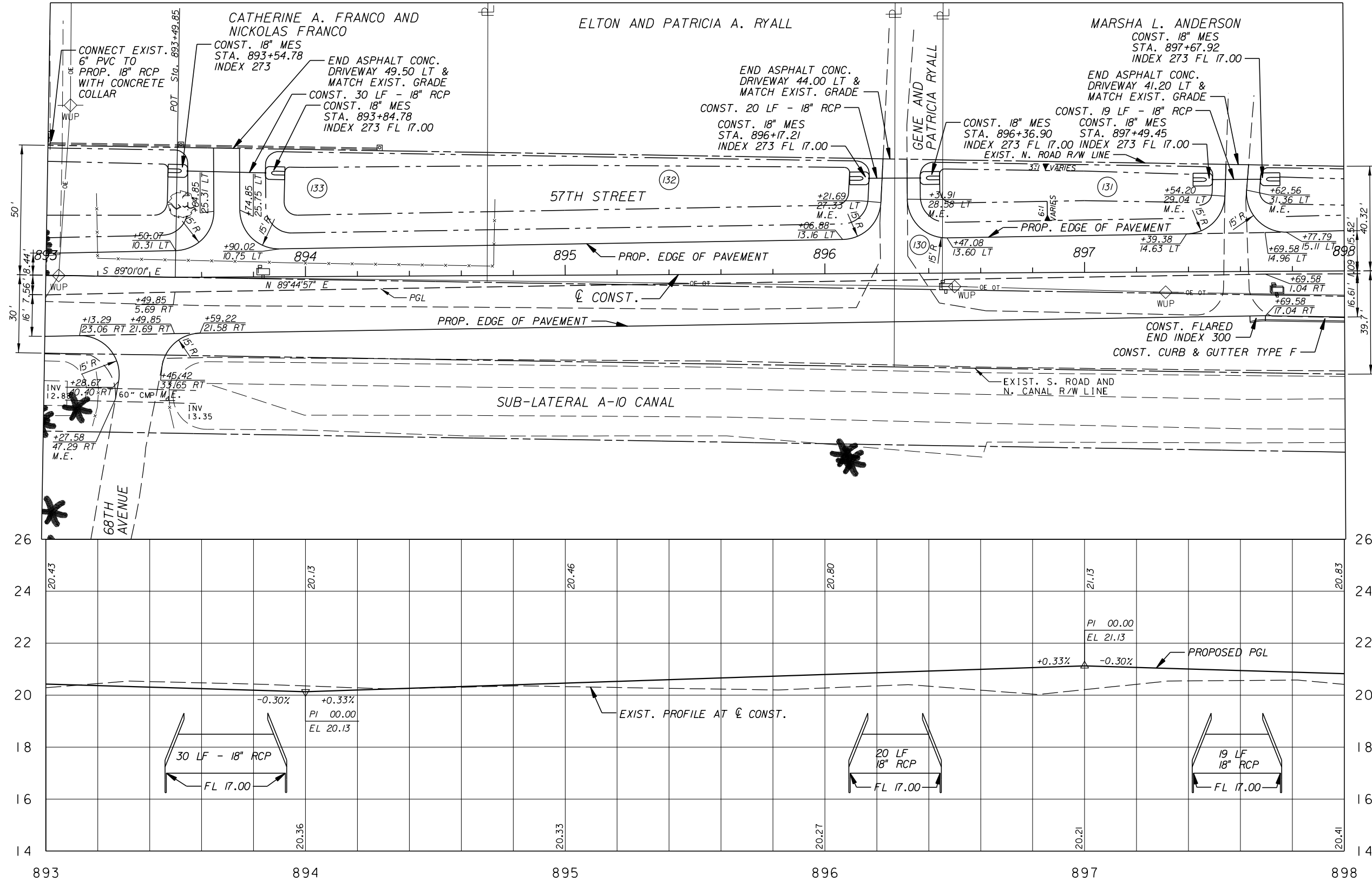
SCALE:	1" = 40'
APPROVED:	
DRAWN:	B.F.
CHECKED:	H.D.
DATE:	12-20
FIELD BOOK NO.:	

PLAN AND PROFILE

66 TH AVENUE

57TH STREET

SHEET:	41
OF:	112
PROJECT NO.:	A1053
IRC_JOB_NO.:	1505



GB310 / LC26000269

ARCADIS U.S., INC.
 2081 VISTA PARKWAY, WEST PALM BEACH, FL 33411
 (561) 697-7000, FAX (561) 697-7751

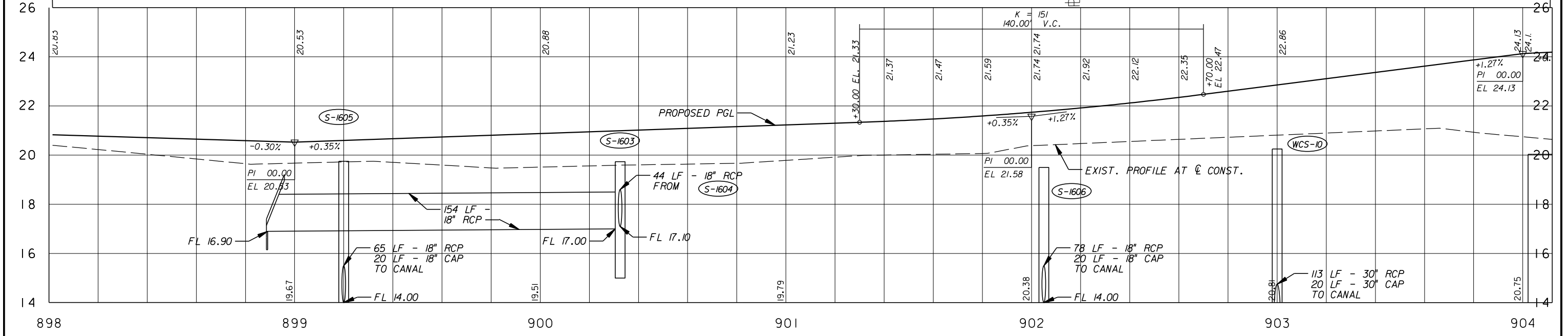
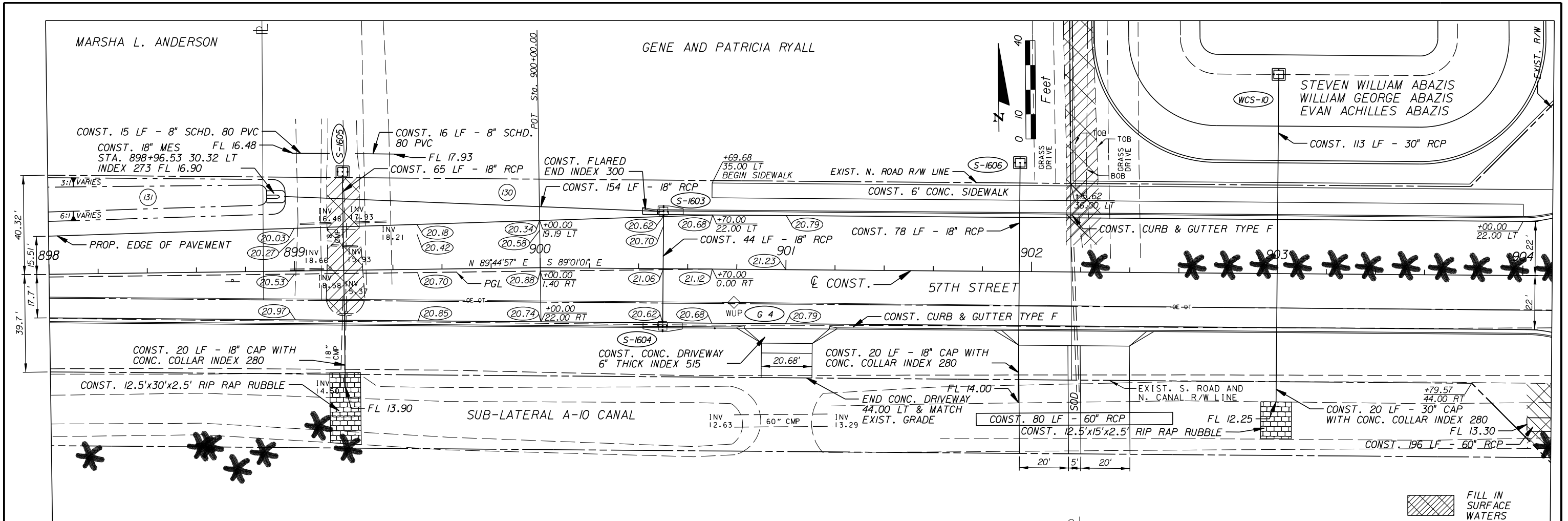
NO.	REVISION	BY	DATE

INDIAN RIVER COUNTY
 FLORIDA
 Department of Public Works
 Engineering Division

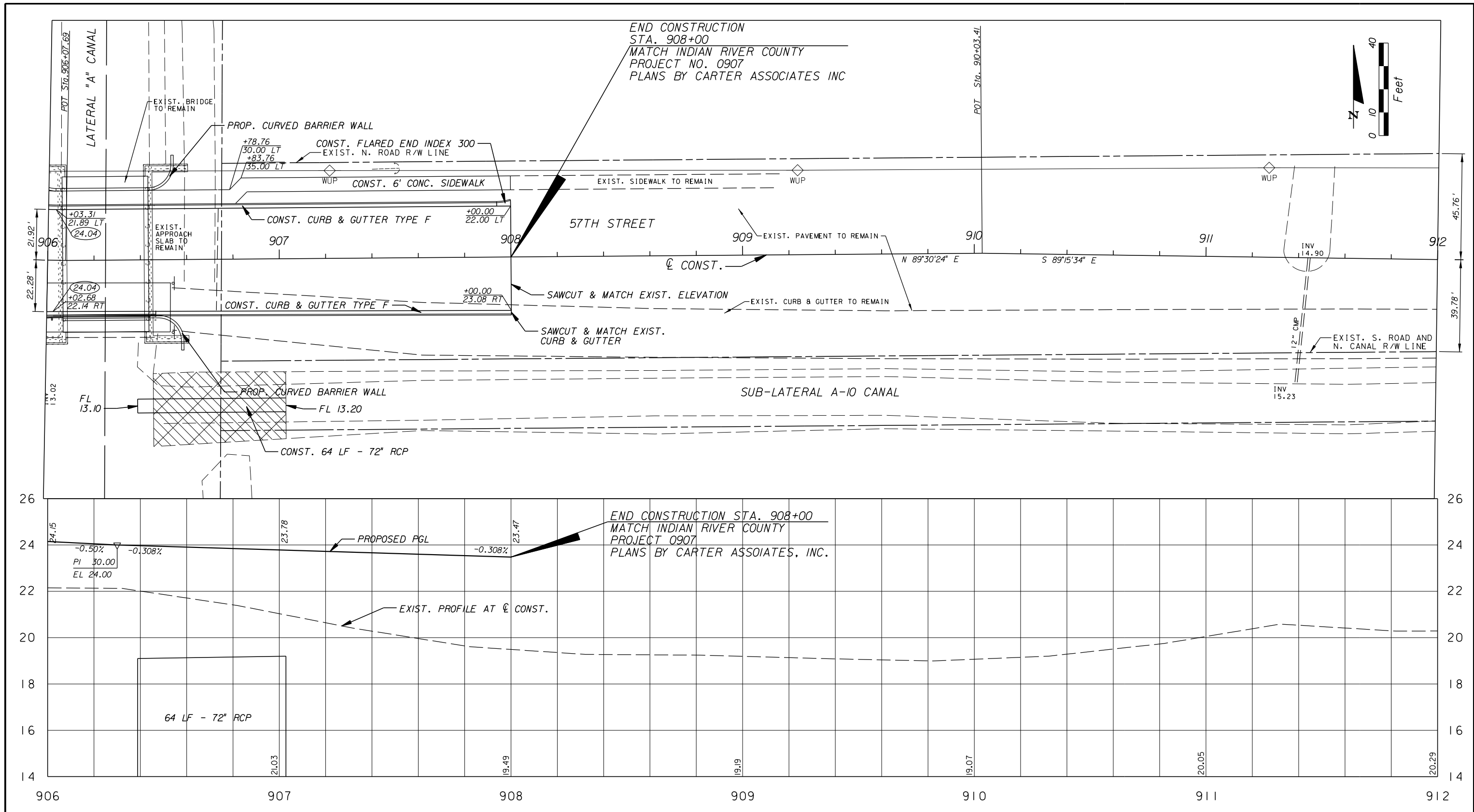
SCALE	1" = 40'
APPROVED	
DRAWN	B.F.
CHECKED	H.D.
DATE	12-20
FIELD BOOK NO.	

PLAN AND PROFILE
66 TH AVENUE
57TH STREET

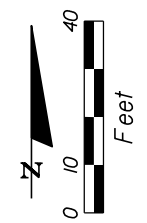
SHEET	42
OF	112
PROJECT NO.	A1053
IRC_JOB_NO.	1505



<p>2081 VISTA PARKWAY, WEST PALM BEACH, FL 33411 (561) 697-7000, FAX (561) 697-7751</p>	NO.	REVISION.	BY.	DATE.	<p>Department of Public Works Engineering Division</p>	SCALE: 1"=40'	<p>PLAN AND PROFILE</p> <p>66 TH AVENUE</p> <p>57TH STREET</p>	SHEET: 43	
						APPROVED: B.F.		OF: 112	
						CHECKED: H.D.		PROJECT NO. A1053	
						DATE: 12-20		IRC_JOB_NO. 1505	
						FIELD BOOK NO.			



END CONSTRUCTION
 STA. 908+00
 MATCH INDIAN RIVER COUNTY
 PROJECT NO. 0907
 PLANS BY CARTER ASSOCIATES INC



END CONSTRUCTION STA. 908+00
 MATCH INDIAN RIVER COUNTY
 PROJECT 0907
 PLANS BY CARTER ASSOCIATES, INC.

08310 / LC26000269

ARCADIS U.S., INC.
 2081 VISTA PARKWAY, WEST PALM BEACH, FL 33411
 (561) 697-7000, FAX (561) 697-7751

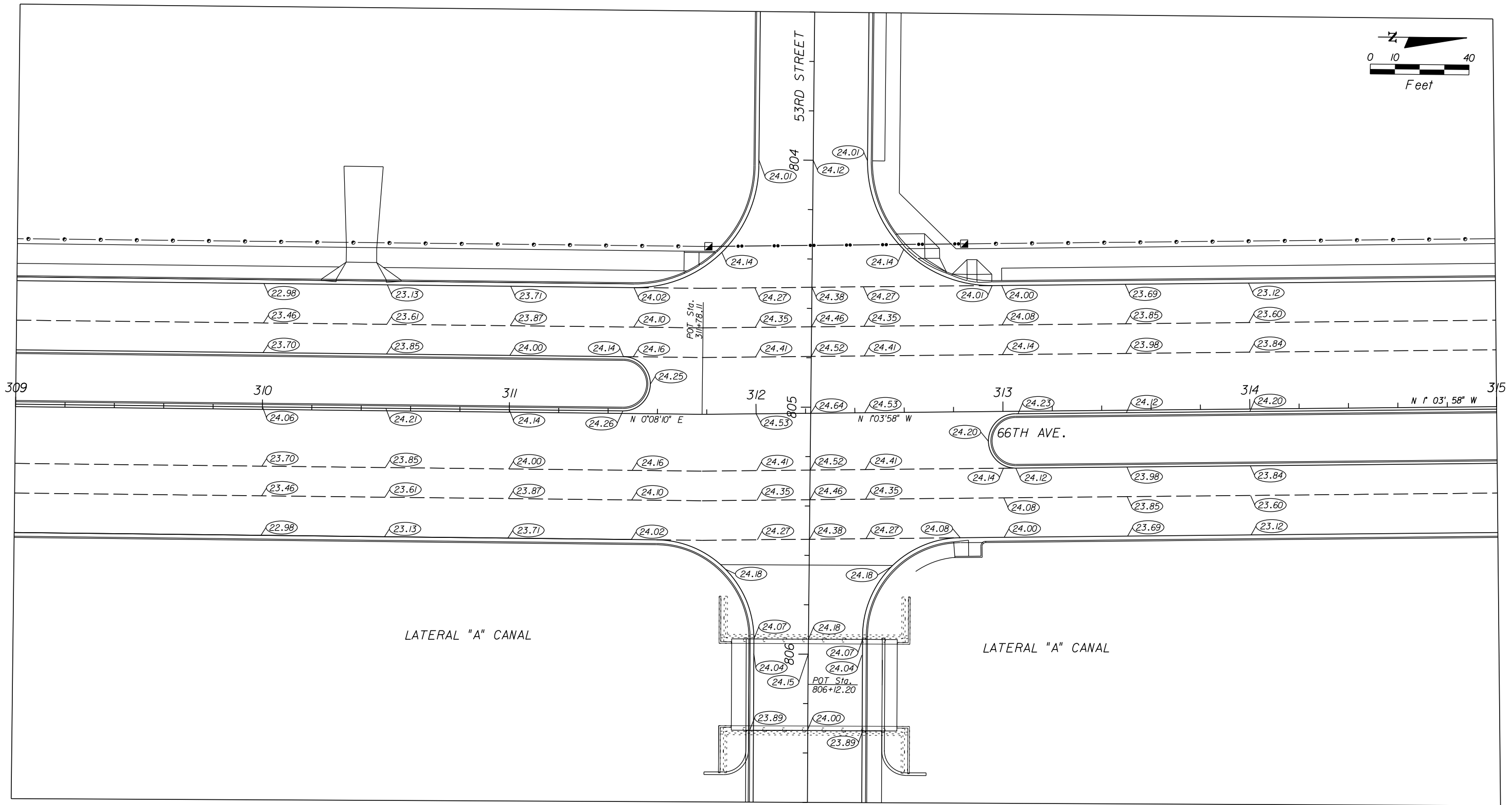
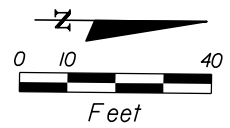
NO.	REVISION	BY	DATE

Department of Public Works
 Engineering Division

SCALE: 1" = 40'
 APPROVED: _____
 DRAWN: B.F.
 CHECKED: H.D.
 DATE: 12-20
 FIELD BOOK NO: _____

PLAN AND PROFILE
66 TH AVENUE
57TH STREET

SHEET 44
 OF 112
 PROJECT NO. A1053
 IRC_JOB_NO. 1505



GB310 / LC26000269



ARCADIS U.S., INC.

2081 VISTA PARKWAY, WEST PALM BEACH, FL 33411
(561) 697-7000, FAX (561) 697-7751

EB 7917 / LB 7062

NO.	REVISION	BY	DATE



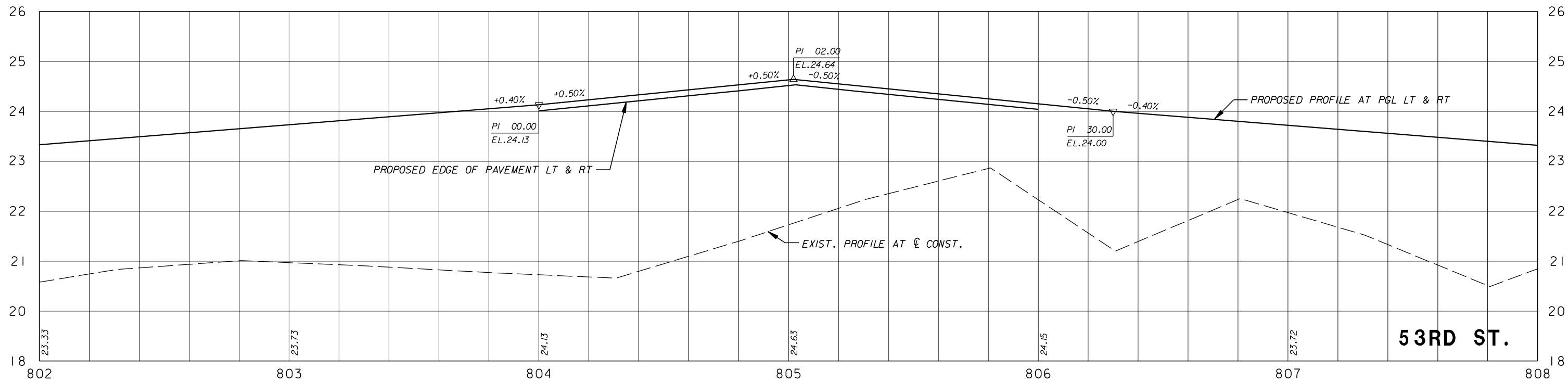
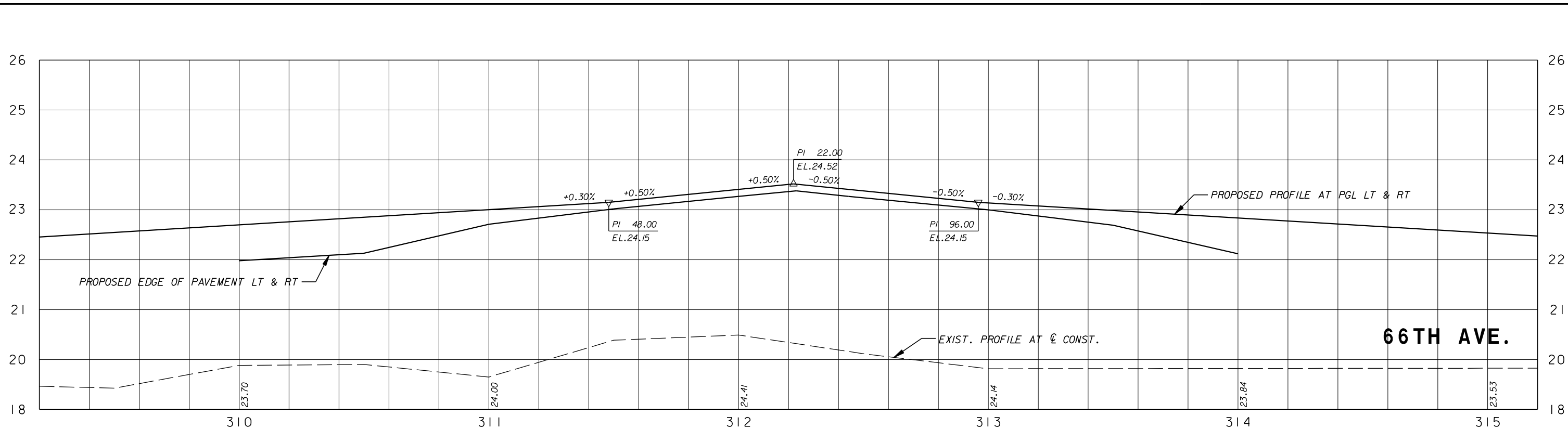
Department of Public Works
Engineering Division

SCALE: 1"=40'
APPROVED: H.D.
DRAWN: B.F.
CHECKED: H.D.
DATE: 12-20
FIELD BOOK NO:

PLATEAU PLAN

**66 TH AVENUE
53RD STREET**

SHEET 45
OF 112
PROJECT NO. A1053
IRC_JOB_NO. 1505



08310 / LC26000269



EB 7917 / LB 7062

NO.	REVISION	BY	DATE

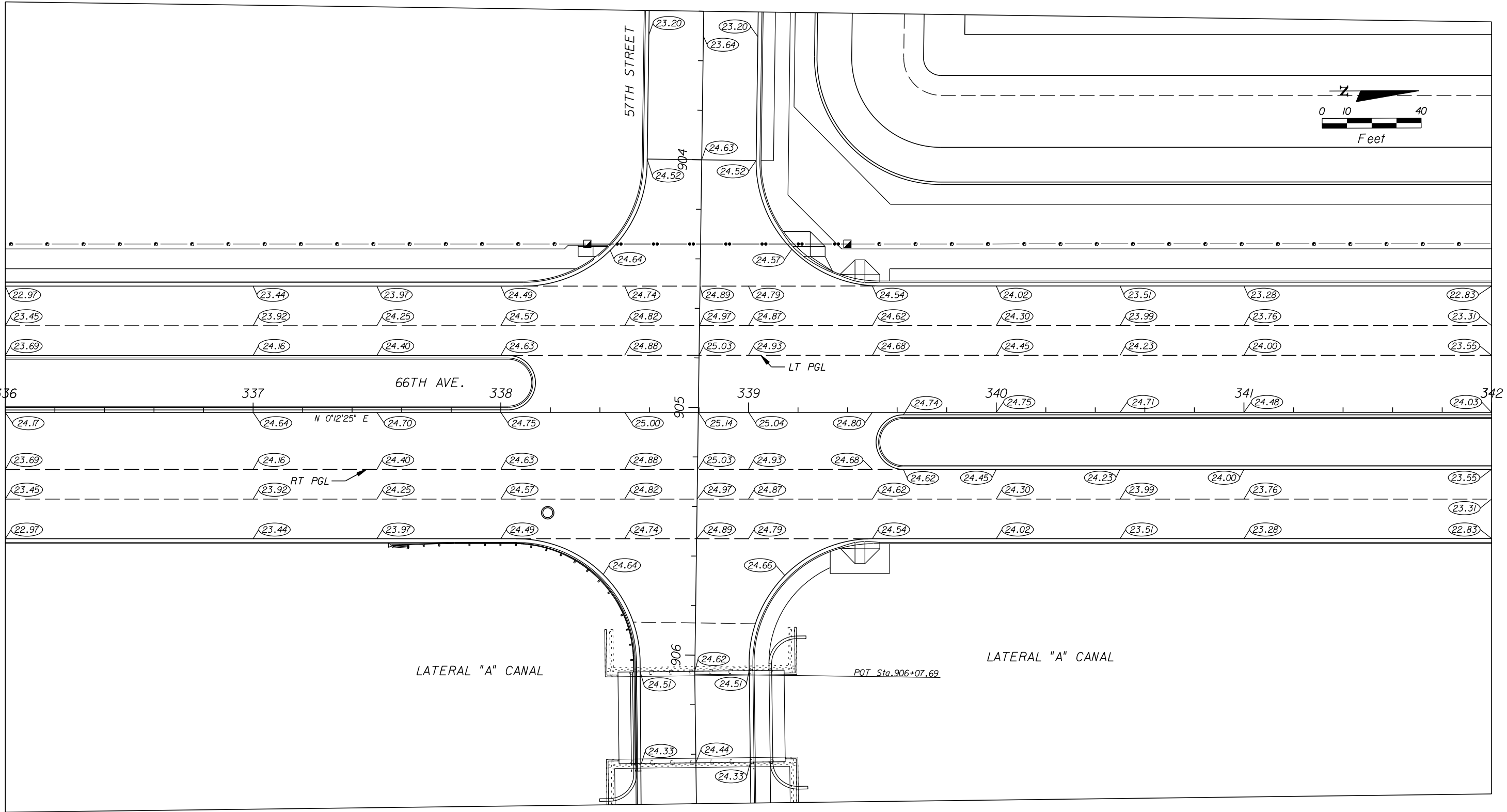


Department of Public Works
Engineering Division

SCALE: H: 1"=40'
V: 1"=2'
APPROVED: H.D.
DRAWN: B.F.
CHECKED: H.D.
DATE: 12-20
FIELD BOOK NO:

PLATEAU PROFILE
66 TH AVENUE
53RD STREET

SHEET 46
OF 112
PROJECT NO. A1053
IRC_JOB_NO. 1505



GB310 / LC26000269



ARCADIS U.S., INC.

2081 VISTA PARKWAY, WEST PALM BEACH, FL 33411
(561) 697-7000, FAX (561) 697-7751

EB 7917 / LB 7062

NO.	REVISION	BY	DATE



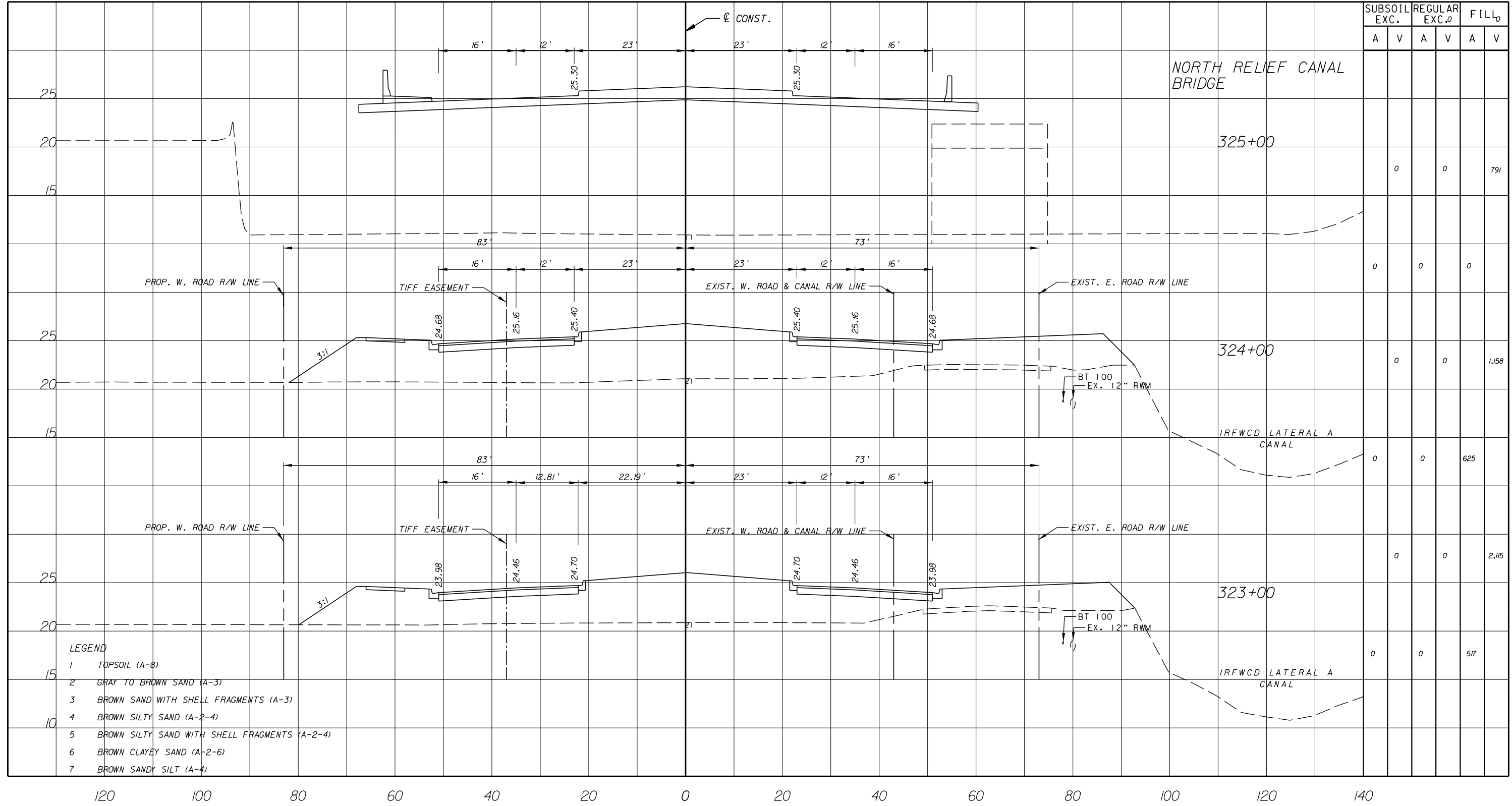
Department of Public Works
Engineering Division

SCALE: 1"=40'
APPROVED: H.D.
DRAWN: B.F.
CHECKED: H.D.
DATE: 12-20
FIELD BOOK NO:

PLATEAU PLAN

**66 TH AVENUE
57TH STREET**

SHEET: 47
OF: 112
PROJECT NO. A1053
IRC_JOB_NO. 1505



GB310 / LC26000269



EB 7917 / LB 7062

NO.	REVISION	BY	DATE

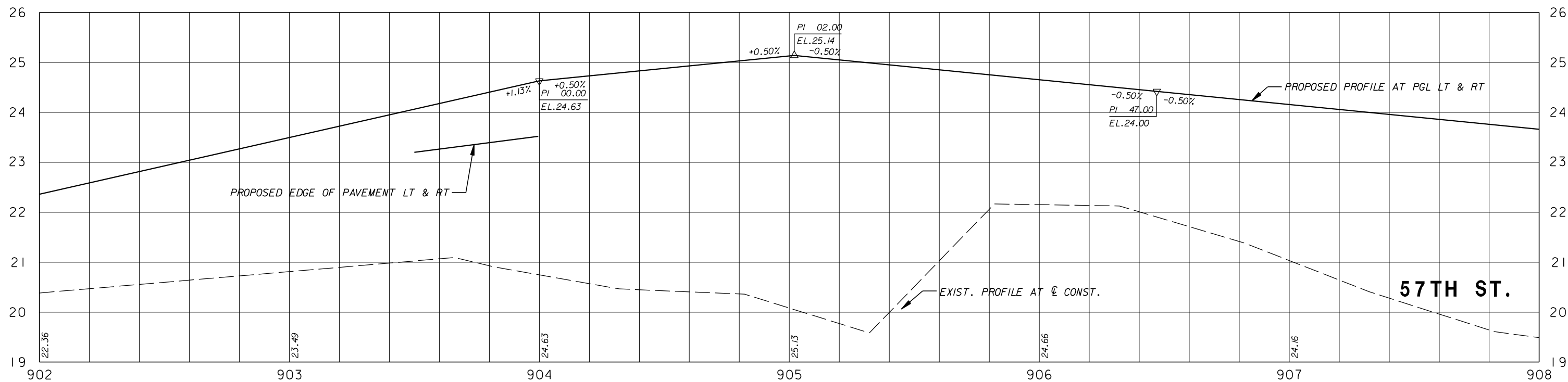
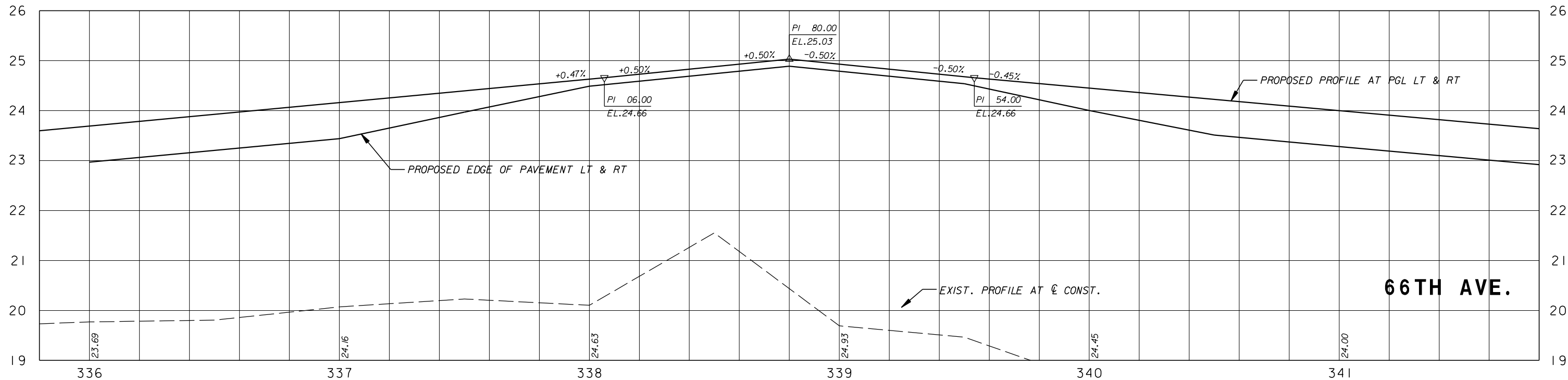


Department of Public Works
Engineering Division

SCALE: H: 1"=20'
V: 1"=10'
APPROVED: _____
DRAWN: B.F.
CHECKED: H.D.
DATE: 12-20
FIELD BOOK NO: _____

CROSS SECTION
66 TH AVENUE
SOUTH OF S.R. 60 TO NORTH OF 57TH ST.

SHEET 82 OF 112
PROJECT NO. A1053
IRC_JOB_NO. 1505



08310 / LC26000269



EB 7917 / LB 7062

NO.	REVISION	BY	DATE

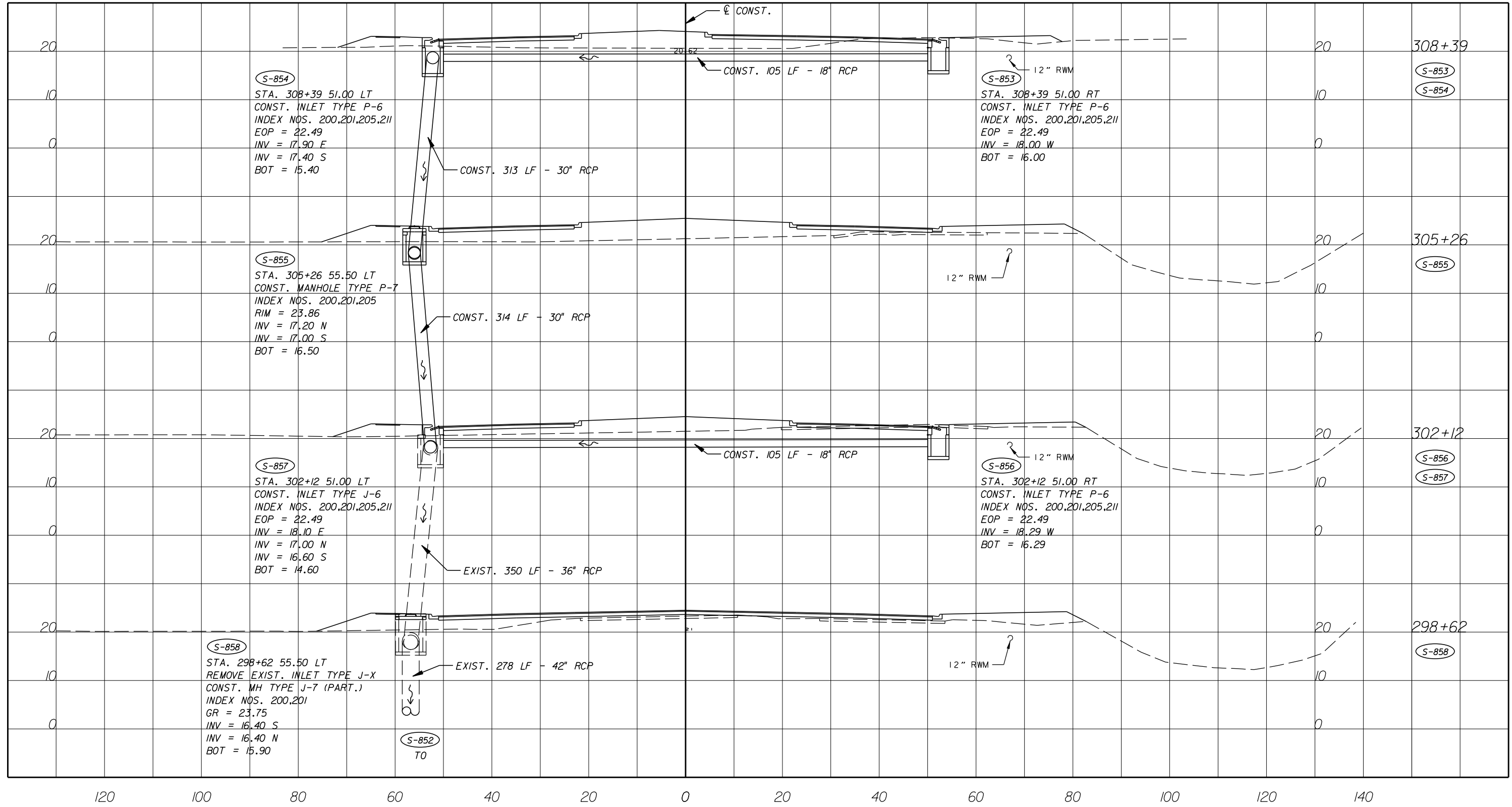


Department of Public Works
Engineering Division

SCALE: 1"=40'
APPROVED: H.D.
DRAWN: B.F.
CHECKED: H.D.
DATE: 12-20
FIELD BOOK NO:

PLATEAU PLAN
66 TH AVENUE
57TH STREET

SHEET 48 OF 112
PROJECT NO. A1053
IRC_JOB_NO. 1505



08310 / LC26000269



NO.	REVISION	BY	DATE

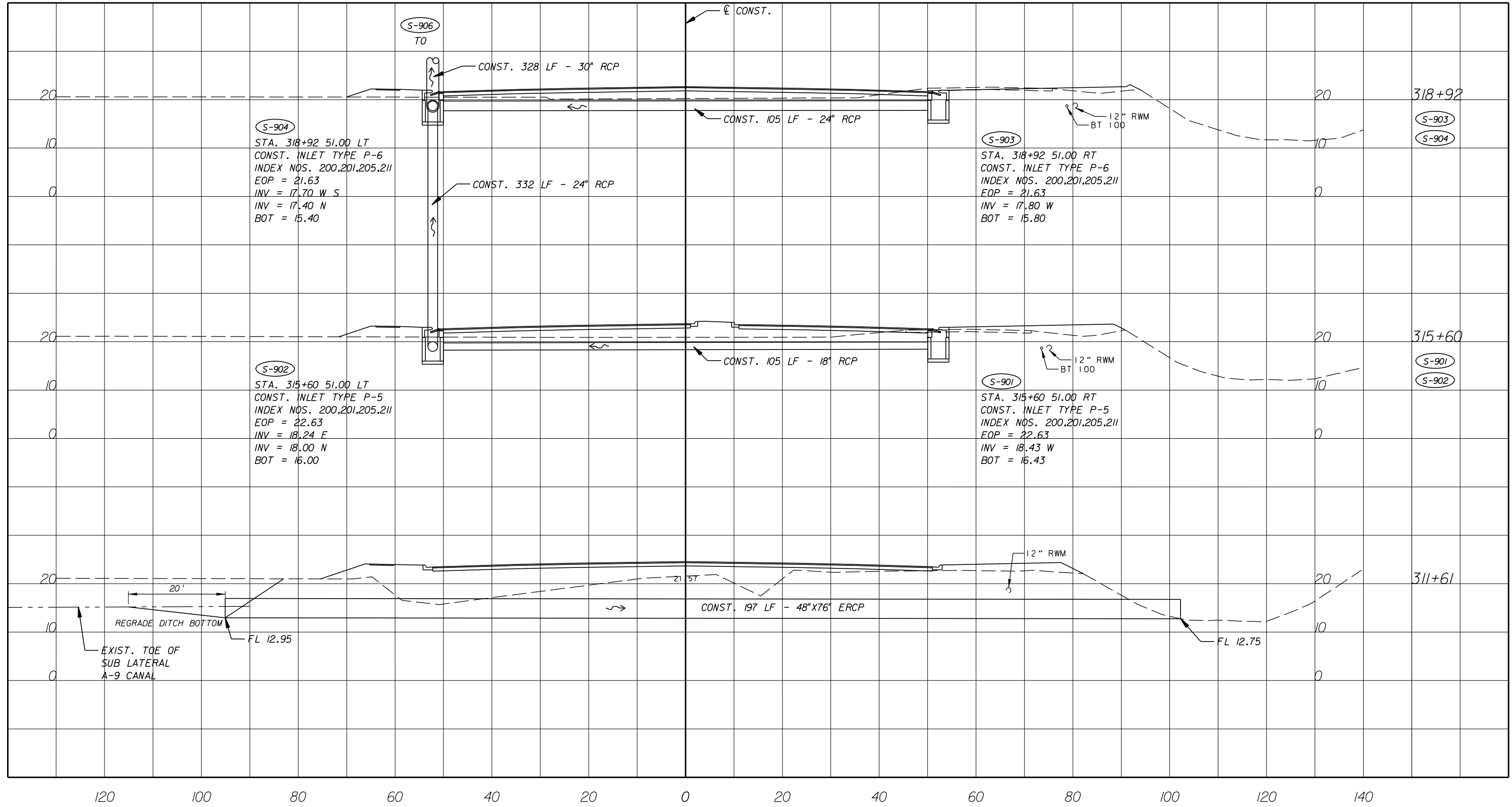


Department of Public Works
Engineering Division

SCALE: 1"=20'
APPROVED:
DRAWN: B.F.
CHECKED: H.D.
DATE: 12-20
FIELD BOOK NO:

DRAINAGE STRUCTURES
66 TH AVENUE
SOUTH OF S.R. 60 TO NORTH OF 57TH ST.

SHEET: 49
OF: 112
PROJECT NO. A1053
IRC_JOB_NO. 1505



GB310 / LC26000269



ARCADIS U.S., INC.
 2081 VISTA PARKWAY, WEST PALM BEACH, FL 33411
 (561) 697-7000, FAX (561) 697-7751

NO.	REVISION	BY	DATE

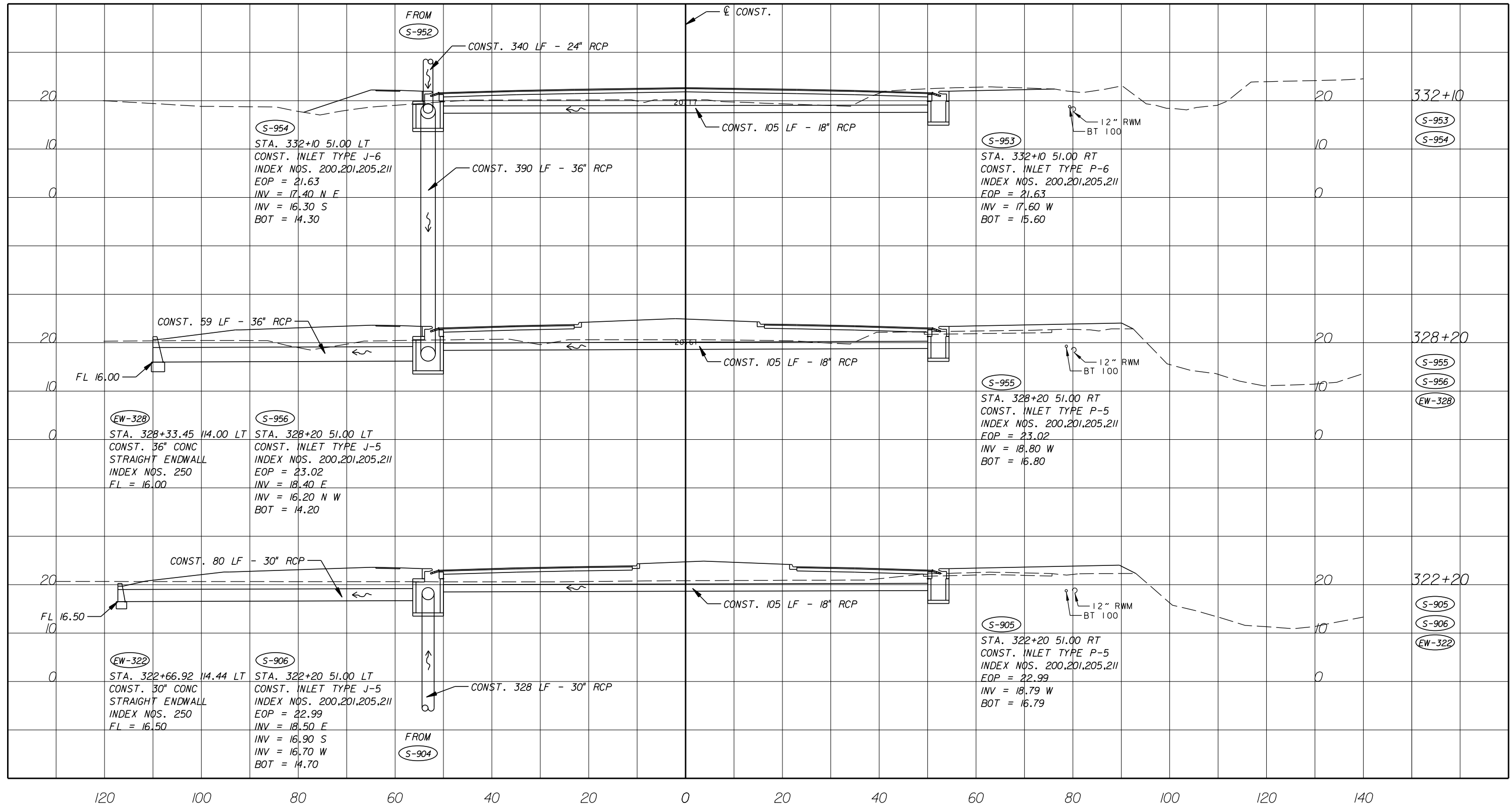


Department of Public Works
 Engineering Division

SCALE: 1"=20'
 APPROVED: _____
 DRAWN: B.F.
 CHECKED: H.D.
 DATE: 12-20
 FIELD BOOK NO: _____

DRAINAGE STRUCTURES
66 TH AVENUE
 SOUTH OF S.R. 60 TO NORTH OF 57TH ST.

SHEET: 50
 OF: 112
 PROJECT NO. A1053
 IRC_JOB_NO. 1505



08310 / LC26000269

ARCADIS U.S., INC.
 2081 VISTA PARKWAY, WEST PALM BEACH, FL 33411
 (561) 697-7000, FAX (561) 697-7751

EB 7917 / LB 7062

NO.	REVISION	BY	DATE

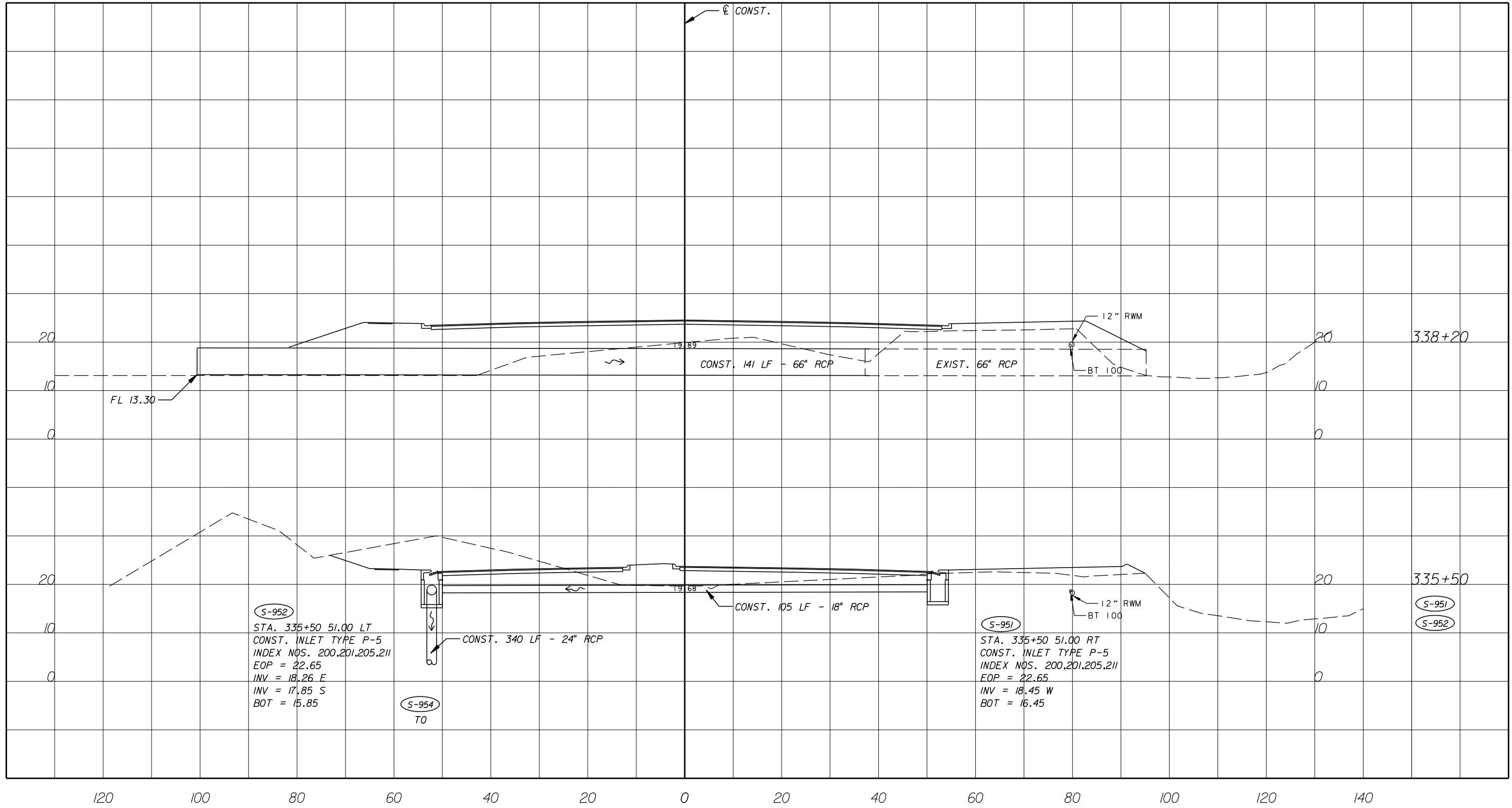


Department of Public Works
 Engineering Division

SCALE: 1" = 20'
 APPROVED: B.F.
 DRAWN: H.D.
 CHECKED: H.D.
 DATE: 12-20
 FIELD BOOK NO:

DRAINAGE STRUCTURES
66 TH AVENUE
 SOUTH OF S.R. 60 TO NORTH OF 57TH ST.

SHEET: 51
 OF: 112
 PROJECT NO. A1053
 IRC_JOB_NO. 1505



S-952
 STA. 335+50 51.00 LT
 CONST. INLET TYPE P-5
 INDEX NOS. 200,201,205,211
 EOP = 22.65
 INV = 18.26 F
 INV = 17.85 S
 BOT = 15.85

S-954
 TO

S-951
 STA. 335+50 51.00 RT
 CONST. INLET TYPE P-5
 INDEX NOS. 200,201,205,211
 EOP = 22.65
 INV = 18.45 W
 BOT = 16.45

08310 / LC26000269

ARCADIS U.S., INC.
 2081 VISTA PARKWAY, WEST PALM BEACH, FL 33411
 (561) 697-7000, FAX (561) 697-7751

NO.	REVISION	BY	DATE

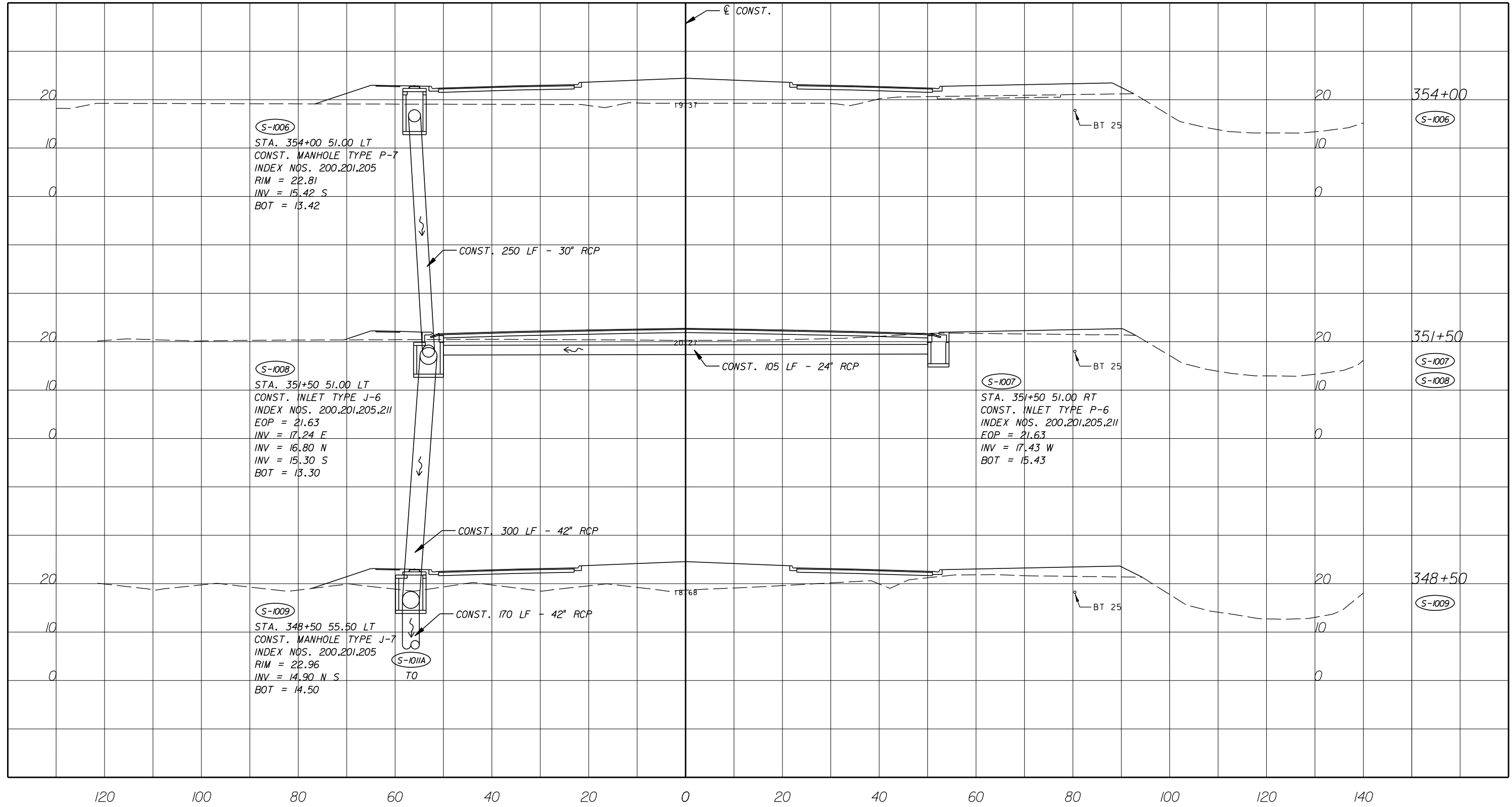


Department of Public Works
 Engineering Division

SCALE: 1" = 20'
 APPROVED: B.F.
 DRAWN: H.D.
 CHECKED: H.D.
 DATE: 12-20
 FIELD BOOK NO:

DRAINAGE STRUCTURES
66 TH AVENUE
 SOUTH OF S.R. 60 TO NORTH OF 57TH ST.

SHEET OF: 52 / 112
 PROJECT NO. A1053
 IRC_JOB_NO. 1505



08310 / LC26000269



EB 7917 / LB 7062

NO.	REVISION	BY	DATE

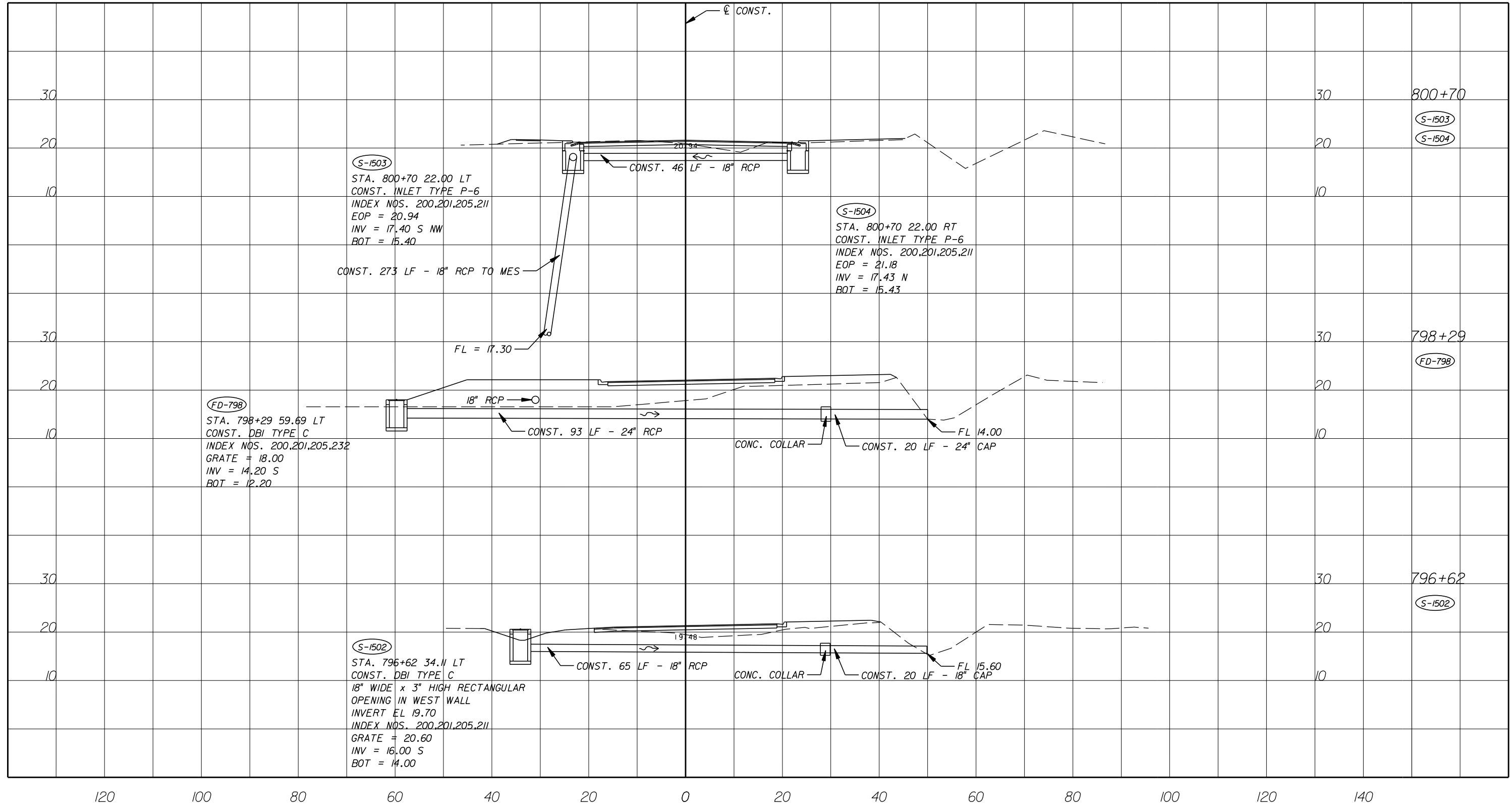


Department of Public Works
Engineering Division

SCALE: 1"=20'
APPROVED: B.F.
DRAWN: H.D.
CHECKED: H.D.
DATE: 12-20
FIELD BOOK NO:

DRAINAGE STRUCTURES
66 TH AVENUE
SOUTH OF S.R. 60 TO NORTH OF 57TH ST.

SHEET 54 OF 112
PROJECT NO. A1053
IRC_JOB_NO. 1505



GB310 / LC26000269

ARCADIS U.S., INC.
 2081 VISTA PARKWAY, WEST PALM BEACH, FL 33411
 (561) 697-7000, FAX (561) 697-7751

NO.	REVISION	BY	DATE

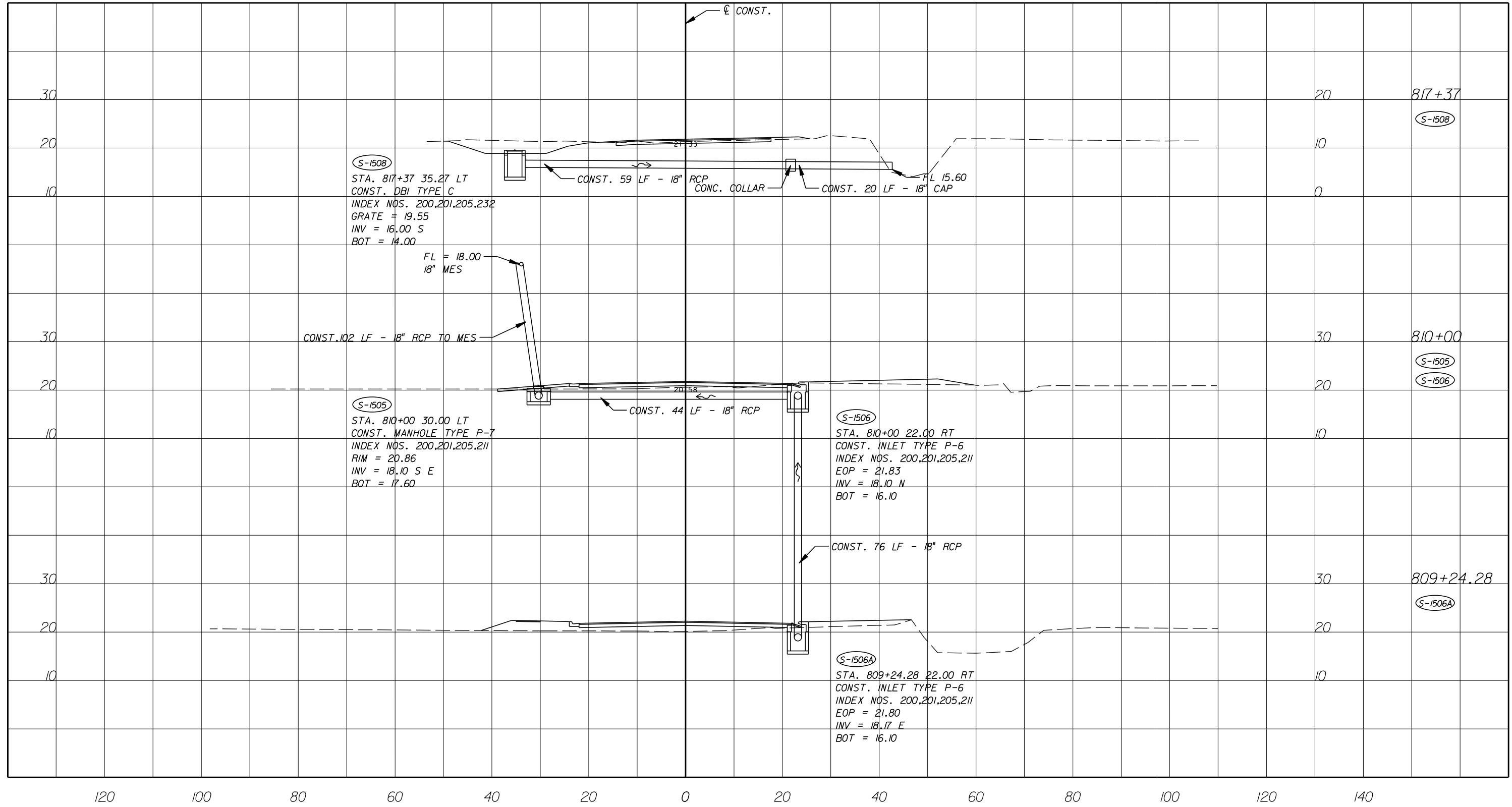


Department of Public Works
 Engineering Division

SCALE: 1"=20'
 APPROVED:
 DRAWN: B.F.
 CHECKED: H.D.
 DATE: 12-20
 FIELD BOOK NO:

DRAINAGE STRUCTURES
66 TH AVENUE
53RD STREET

SHEET: 55
 OF: 112
 PROJECT NO. A1053
 IRC_JOB_NO. 1505



GB310 / LC26000269



EB 7917 / LB 7062

NO.	REVISION	BY	DATE

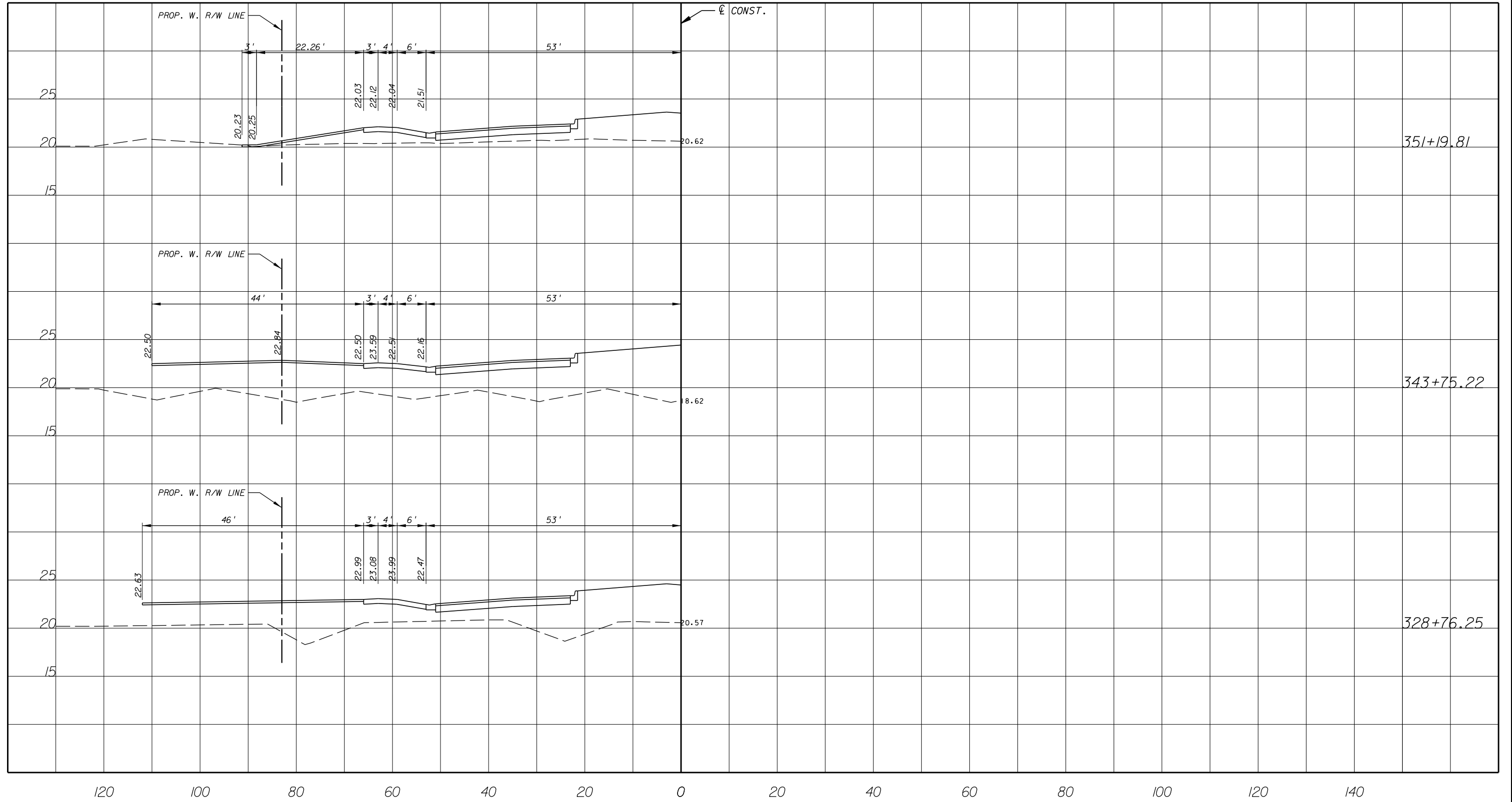


Department of Public Works
Engineering Division

SCALE: 1"=20'
APPROVED:
DRAWN: B.F.
CHECKED: H.D.
DATE: 12-20
FIELD BOOK NO:

DRAINAGE STRUCTURES
66 TH AVENUE
53RD STREET

SHEET 56
OF 112
PROJECT NO. A1053
IRC_JOB_NO. 1505



08310 / LC26000269



ARCADIS U.S., INC.

2081 VISTA PARKWAY, WEST PALM BEACH, FL 33411
(561) 697-7000, FAX (561) 697-7751

EB 7917 / LB 7062

NO.	REVISION	BY	DATE



Department of Public Works
Engineering Division

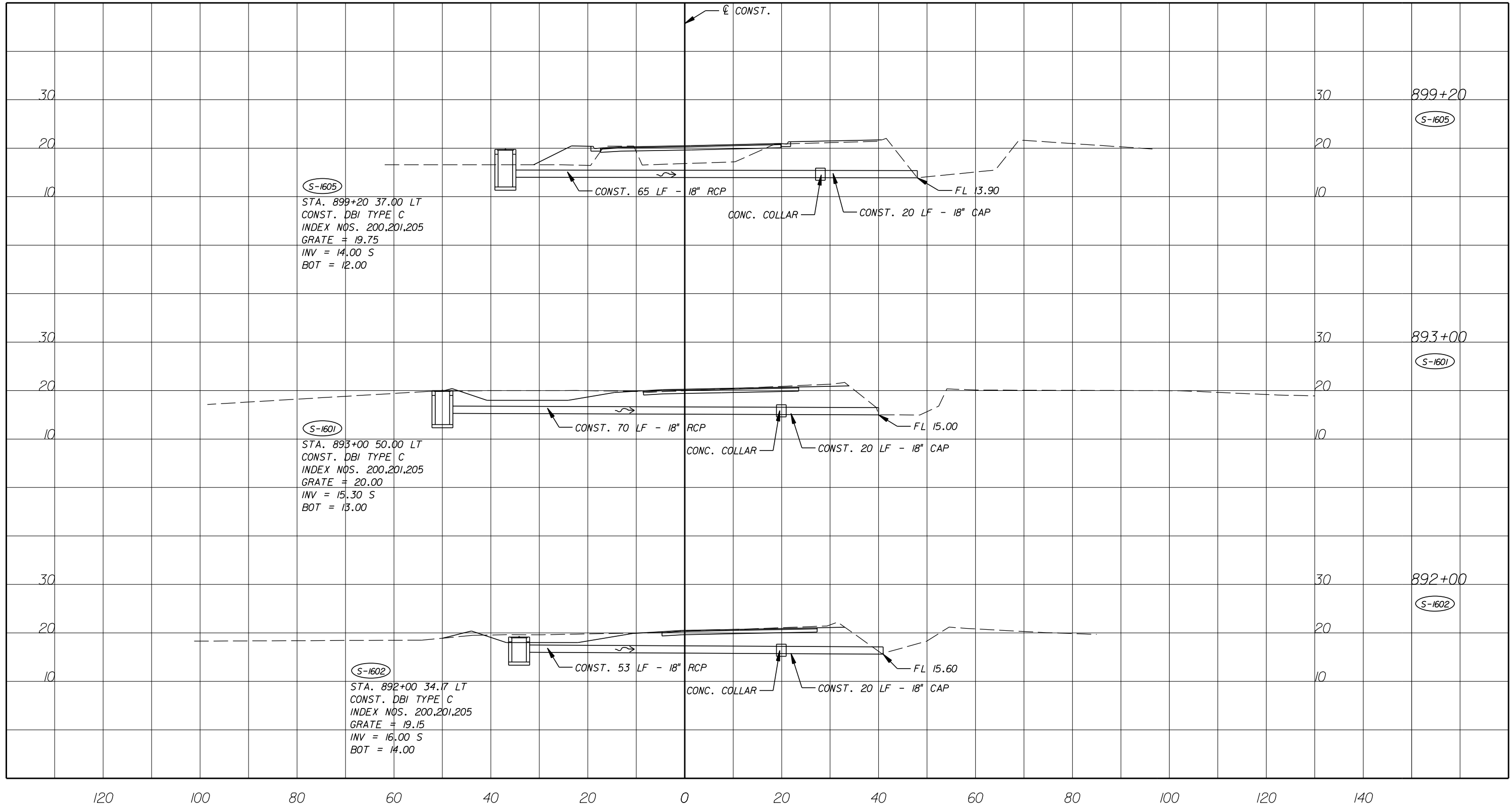
SCALE: H: 1"=20'
V: 1"=10'
APPROVED: H.D.
DRAWN: B.F.
CHECKED: H.D.
DATE: 12-20
FIELD BOOK NO:

DRIVEWAY CROSS SECTION

66 TH AVENUE

SOUTH OF S.R. 60 TO NORTH OF 57TH ST.

SHEET 67
OF 112
PROJECT NO. A1053
IRC_JOB_NO. 1505



GB310 / LC26000269



NO.	REVISION	BY	DATE

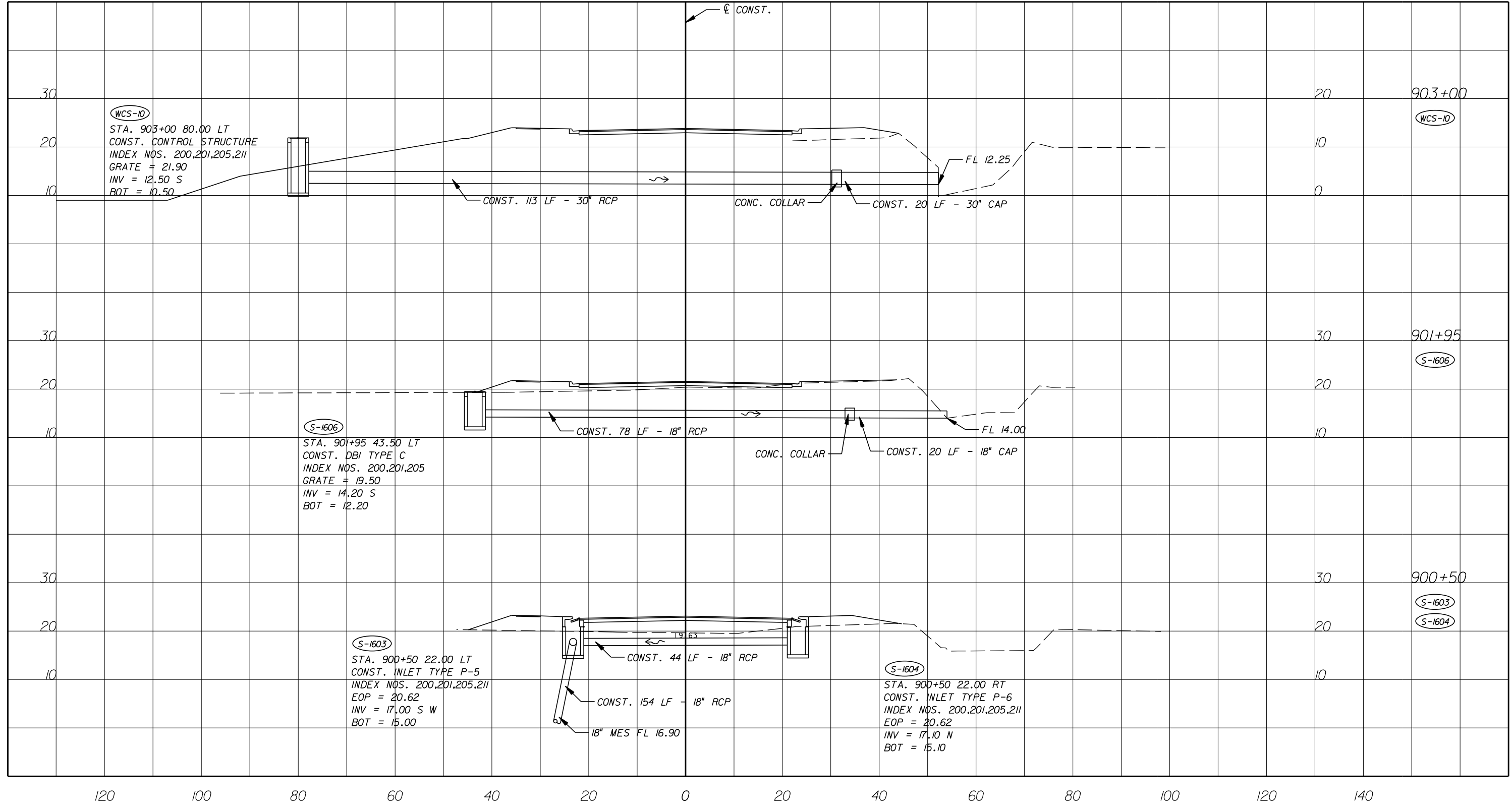


Department of Public Works
 Engineering Division

SCALE: 1"=20'
 APPROVED:
 DRAWN: B.F.
 CHECKED: H.D.
 DATE: 12-20
 FIELD BOOK NO:

DRAINAGE STRUCTURES
66 TH AVENUE
57TH STREET

SHEET 57 OF 112
 PROJECT NO. A1053
 IRC_JOB_NO. 1505



GB310 / LC26000269



ARCADIS U.S., INC.

2081 VISTA PARKWAY, WEST PALM BEACH, FL 33411
(561) 697-7000, FAX (561) 697-7751

EB 7917 / LB 7062

NO.	REVISION	BY	DATE



Department of Public Works
Engineering Division

SCALE: 1"=20'
APPROVED:
DRAWN: B.F.
CHECKED: H.D.
DATE: 12-20
FIELD BOOK NO:

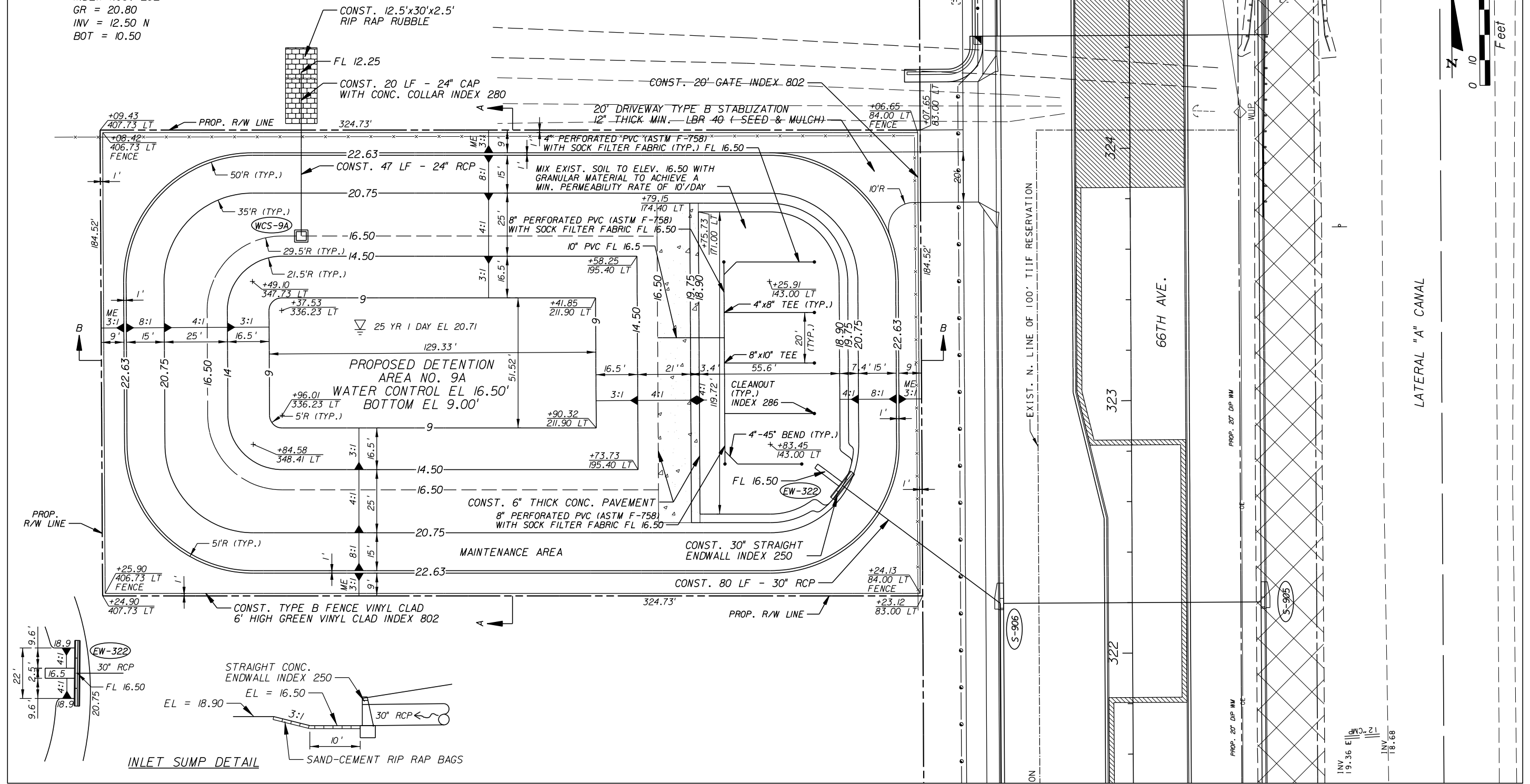
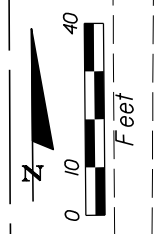
DRAINAGE STRUCTURES

**66 TH AVENUE
57TH STREET**

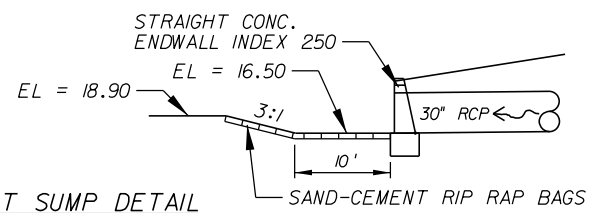
SHEET: 58
OF: 112
PROJECT NO. A1053
IRC_JOB_NO. 1505

WCS-9A
 STA. 323+66.99 328.29 LT
 CONST. DBI TYPE D
 INDEX NOS. 232
 GR = 20.80
 INV = 12.50 N
 BOT = 10.50

CONCRETE PAVEMENT



INLET SUMP DETAIL



GB310 / LC26000269

2081 VISTA PARKWAY, WEST PALM BEACH, FL 33411
 (561) 697-7000, FAX (561) 697-7751

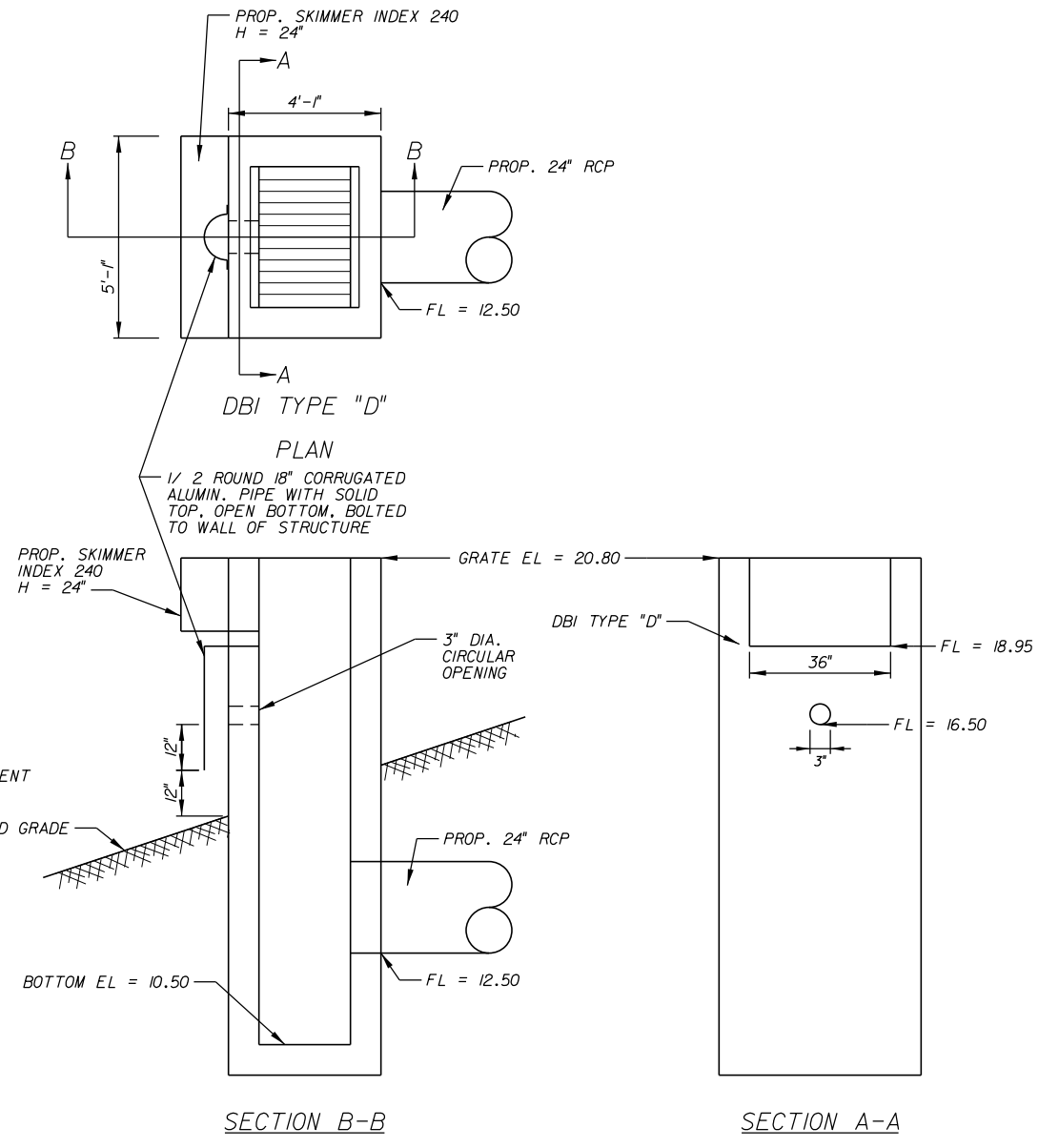
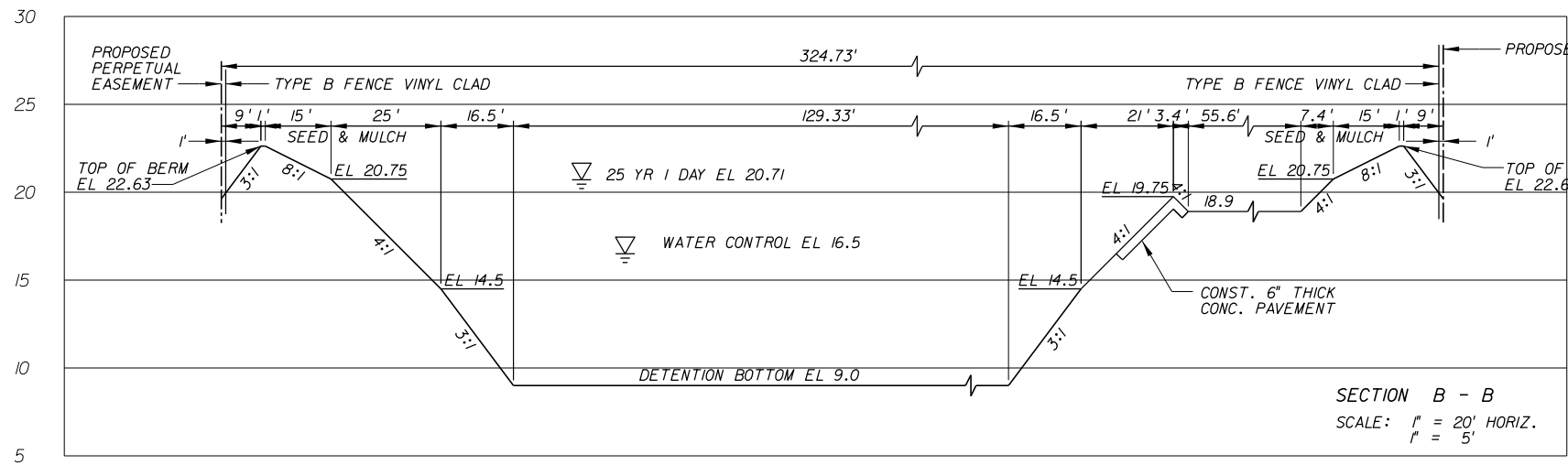
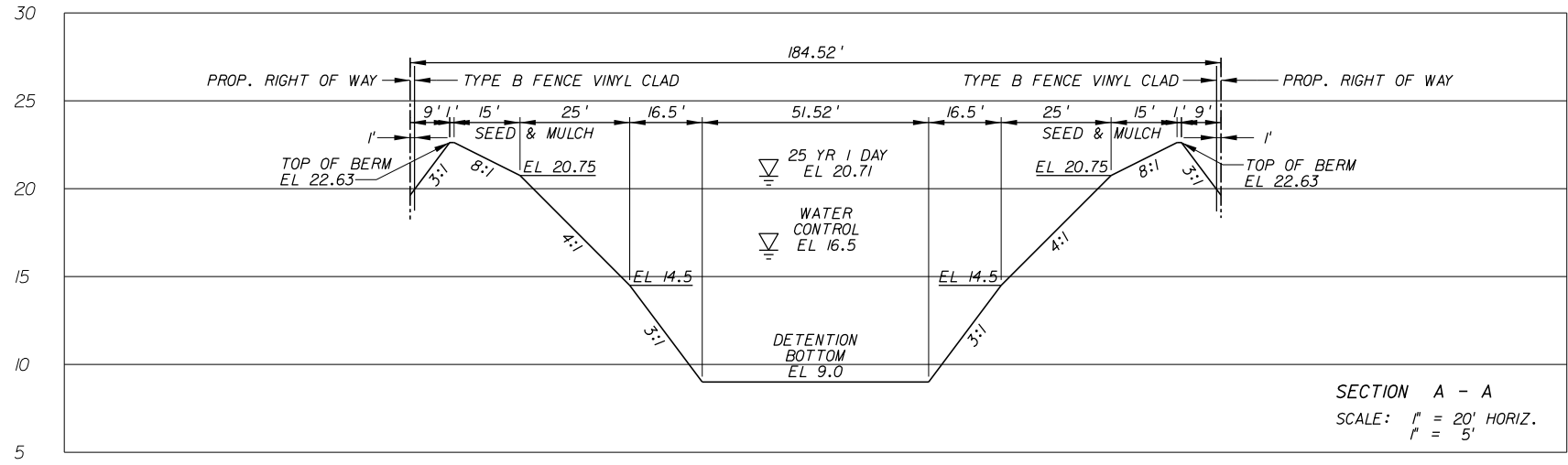
NO.	REVISION	BY	DATE

Department of Public Works
 Engineering Division

SCALE: 1" = 40'
 APPROVED: H.D.
 DRAWN: B.F.
 CHECKED: H.D.
 DATE: 12-20
 FIELD BOOK NO:

DETENTION AREA NO. 9A
66 TH AVENUE
 SOUTH OF S.R. 60 TO NORTH OF 57TH ST.

SHEET 59
 OF 112
 PROJECT NO. A1053
 IRC_JOB_NO. 1505



* PEGGED OR STAKED SOD TO EXTEND TO ELEVATION 16.0 (NORMAL POND WATER SURFACE ELEVATION).

NO.	REVISION	BY	DATE

SCALE:	NTS
APPROVED:	H.D.
DRAWN:	B.F.
CHECKED:	H.D.
DATE:	12-20
FIELD BOOK NO.:	

WCS-9B

STA. 326+50.33 207.33 LT
CONST. DBI TYPE D
INDEX NOS. 232
GR = 21.00
INV = 12.50 S
BOT = 10.50

CONCRETE PAVEMENT

4" PERFORATED PVC (ASTM F-758) WITH FILTER SOCK FL 16.50 (TYP.)

MIX EXIST. SOIL TO ELEV. 16.50 WITH GRANULAR MATERIAL TO ACHIEVE A MIN. PERMEABILITY RATE OF 10'/DAY.

CONST. 20' GATE INDEX 802
20' DRIVEWAY TYPE B STABILIZATION
12" THICK MIN. LBR 40 (SEED & MULCH)
PROP. R/W LINE

+93.93
84.00 LT
FENCE

PROP. R/W LINE

CONST. 36" STRAIGHT ENDWALL INDEX 250

CLEANOUT (TYP.) INDEX 286

12" PVC FL 16.50

CONST. 6" THICK CONC. PAVEMENT

CONST. 59 LF - 36" RCP

PROPOSED DETENTION AREA NO. 9B
WATER CONTROL EL 16.50
BOTTOM EL 9.00

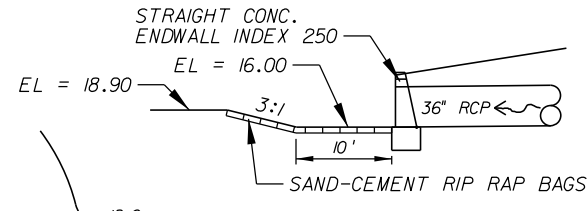
8" PERFORATED PVC (ASTM F-758) WITH SOCK FILTER FABRIC (TYP.) FL = 16.5

8" PERFORATED PVC (ASTM F-758) WITH SOCK FILTER FABRIC (TYP.) FL = 16.5

MAINTENANCE ACCESS

66TH AVE.

LATERAL "A" CANAL



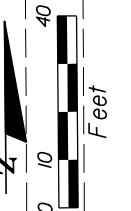
INLET SUMP DETAIL

EXIST. 4" WELL TO BE CAPPED
EXIST. UNDERGROUND ELECTRIC SERVICE METER TO BE REMOVED

CONST. 20 LF - 24" CAP WITH CONC. COLLAR INDEX 280
CONST. 12.5'x30'x2.5' RIP RAP RUBBLE FL 12.25

NORTH RELIEF CANAL

CONC. DRIVEWAY



GB310 / LC26000269



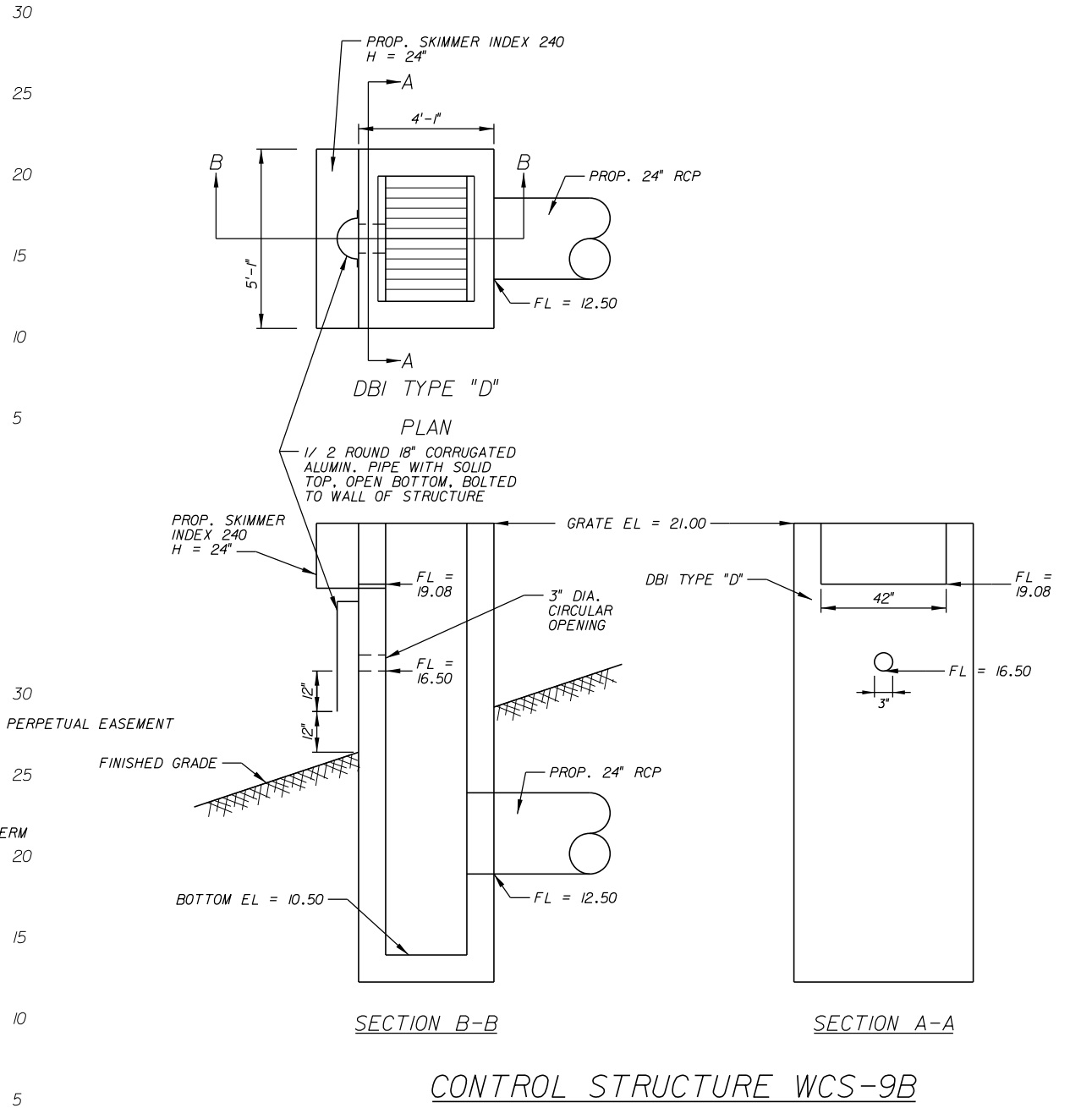
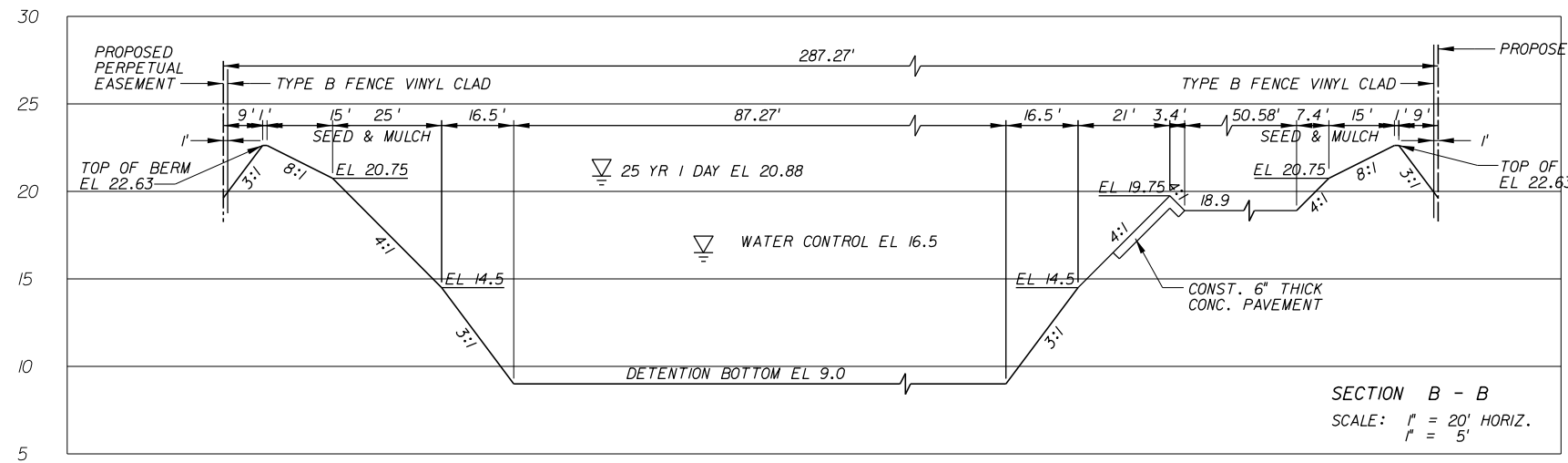
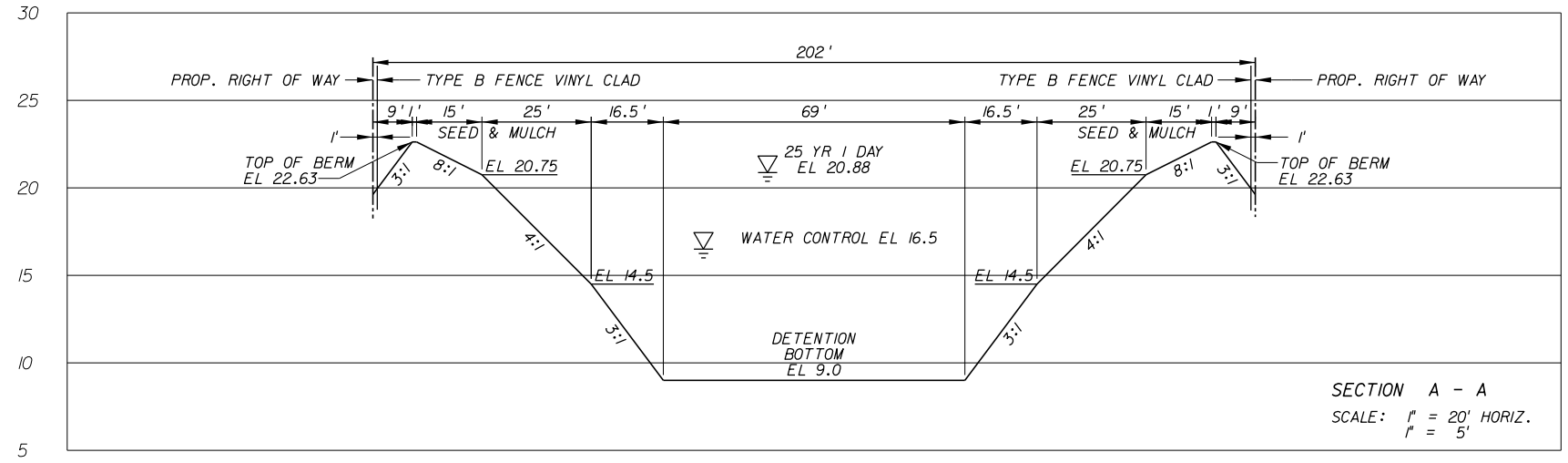
NO.	REVISION	BY	DATE

Department of Public Works
Engineering Division

SCALE: 1"=40'
APPROVED: H.D.
DRAWN: B.F.
CHECKED: H.D.
DATE: 12-20
FIELD BOOK NO:

DETENTION AREA NO. 9B
66 TH AVENUE
SOUTH OF S.R. 60 TO NORTH OF 57TH ST.

SHEET: 61
OF: 112
PROJECT NO. A1053
IRC_JOB_NO. 1505

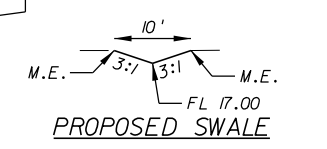
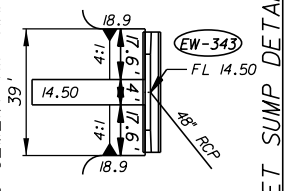
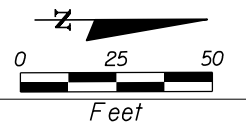
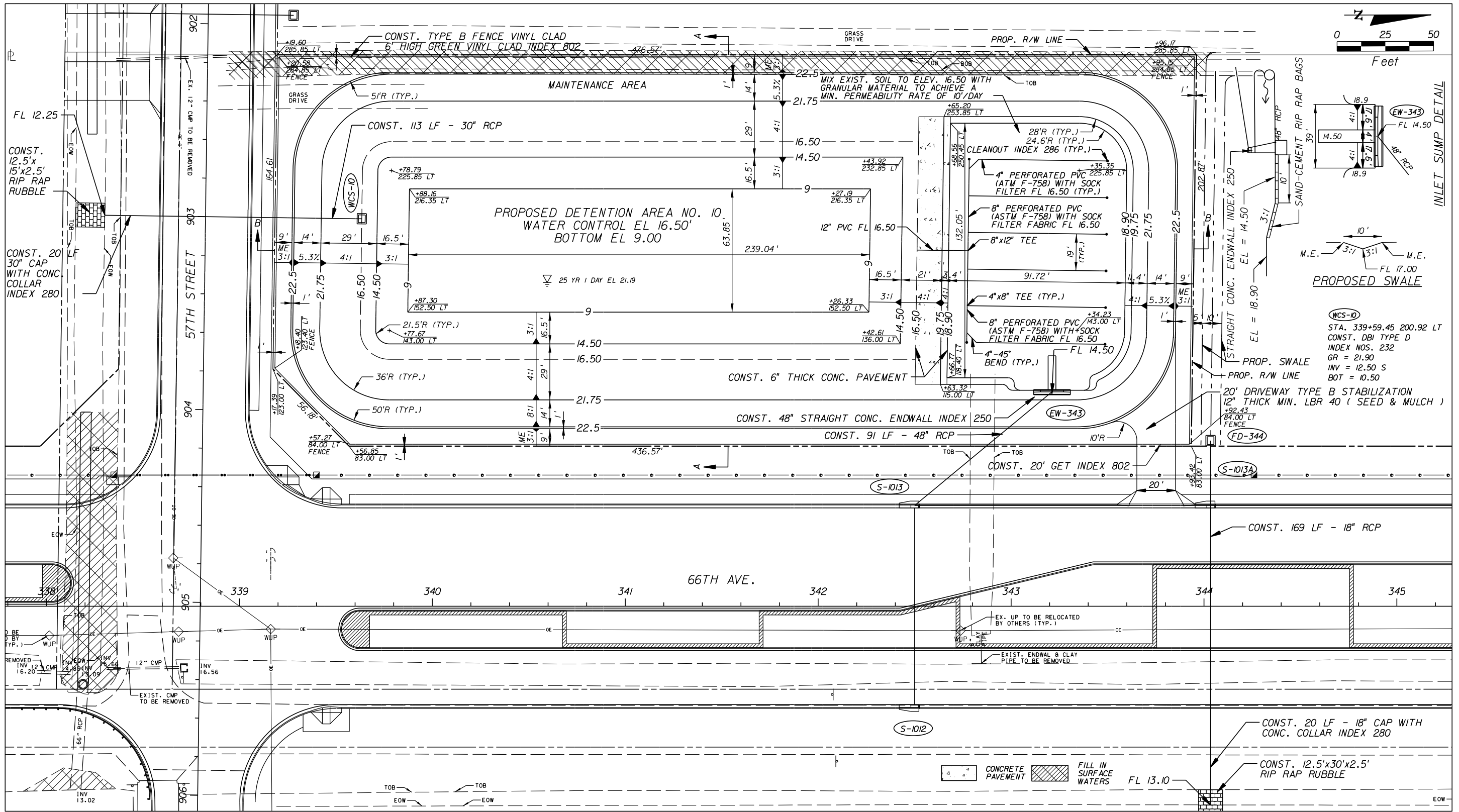


* PEGGED OR STAKED SOD TO EXTEND TO ELEVATION 16.0 (NORMAL POND WATER SURFACE ELEVATION).

NO.	REVISION	BY	DATE

SCALE:	NTS
APPROVED:	H.D.
DRAWN:	B.F.
CHECKED:	H.D.
DATE:	12-20
FIELD BOOK NO.:	

SHEET	62
OF	112
PROJECT NO.	A1053
IRC_JOB_NO.	1505



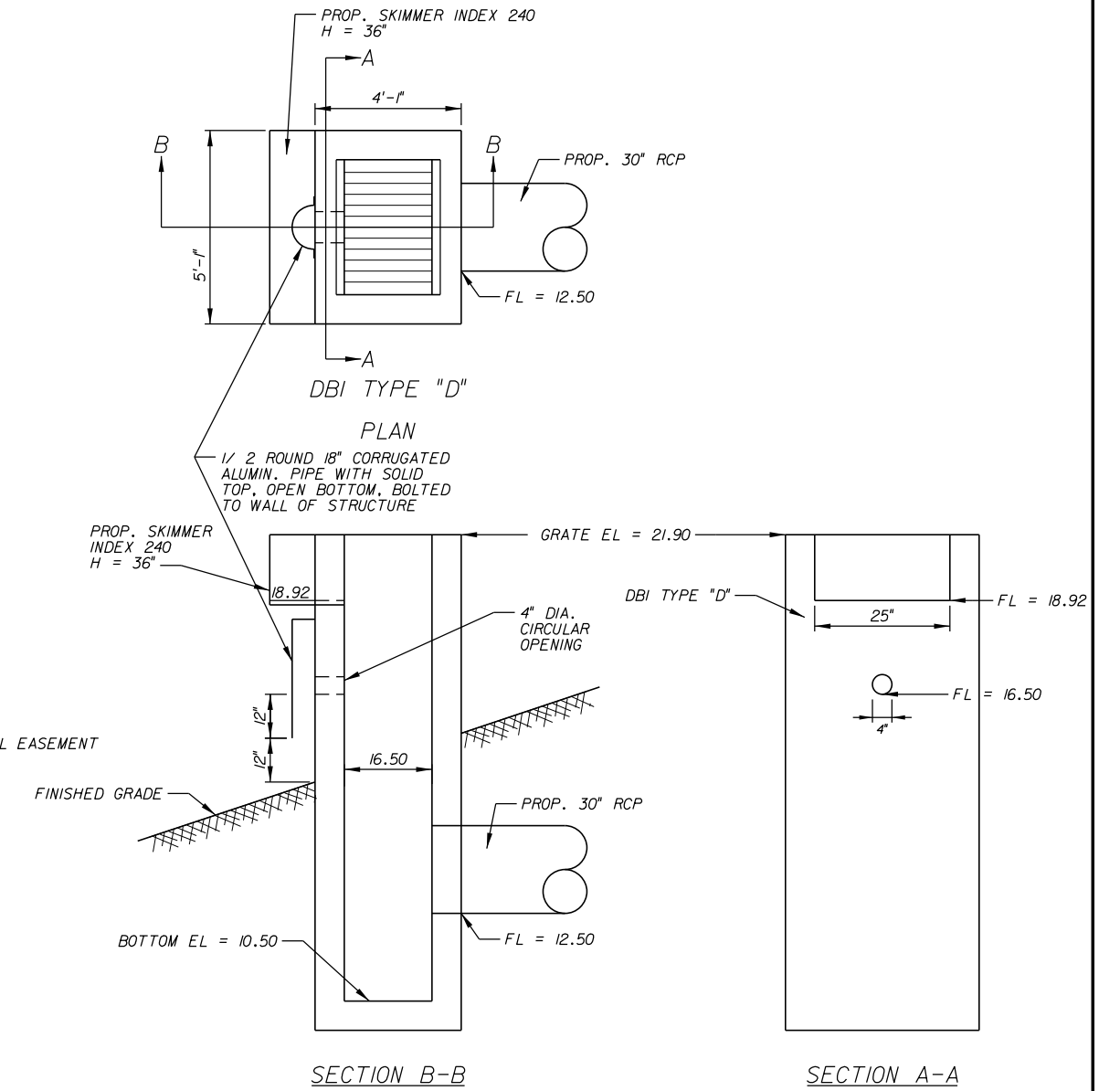
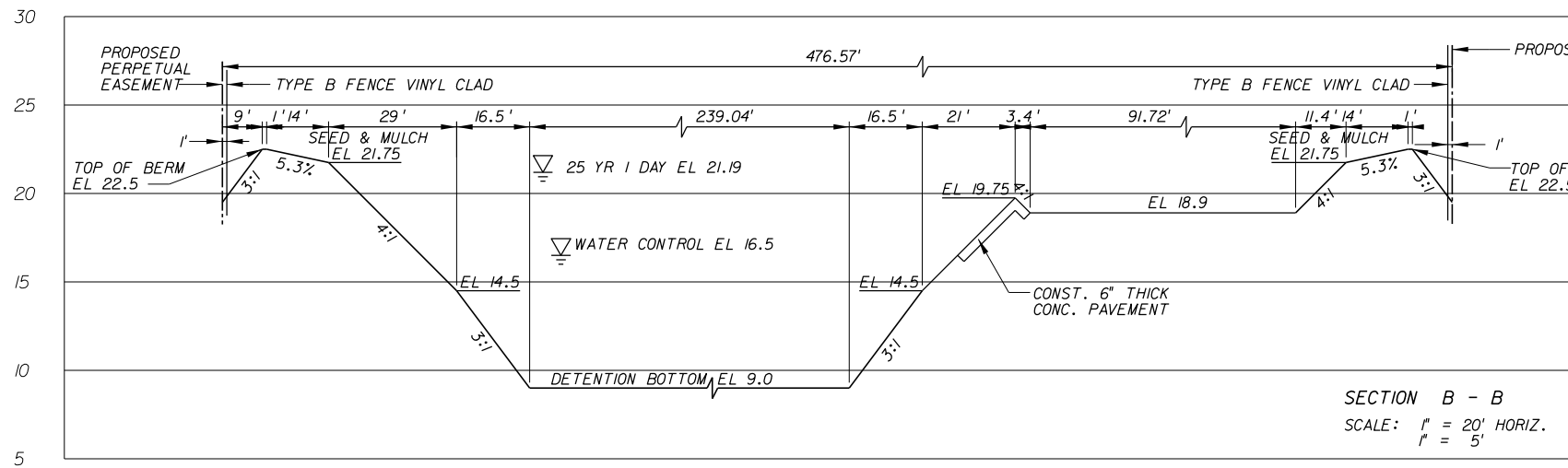
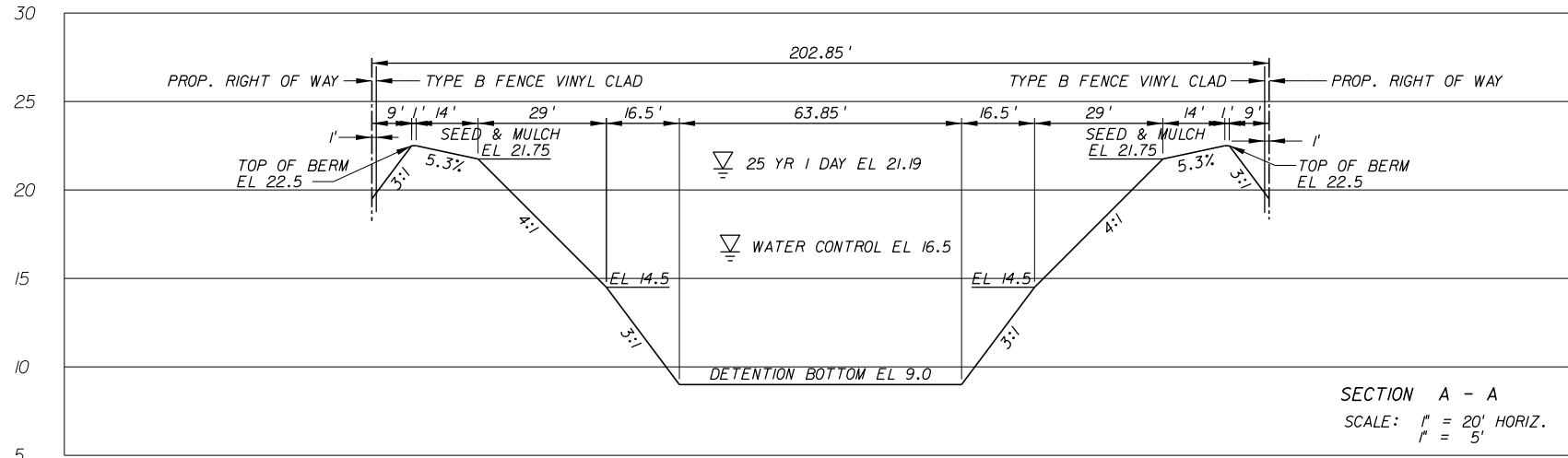
WCS-D
 STA. 339+59.45 200.92 LT
 CONST. DBI TYPE D
 INDEX NOS. 232
 GR = 21.90
 INV = 12.50 S
 BOT = 10.50

PROP. SWALE
 PROP. R/W LINE
 20' DRIVEWAY TYPE B STABILIZATION
 12" THICK MIN. LBR 40 (SEED & MULCH)

NO.	REVISION	BY	DATE

GB310 / LC26000269

EB 7917 / LB 7062

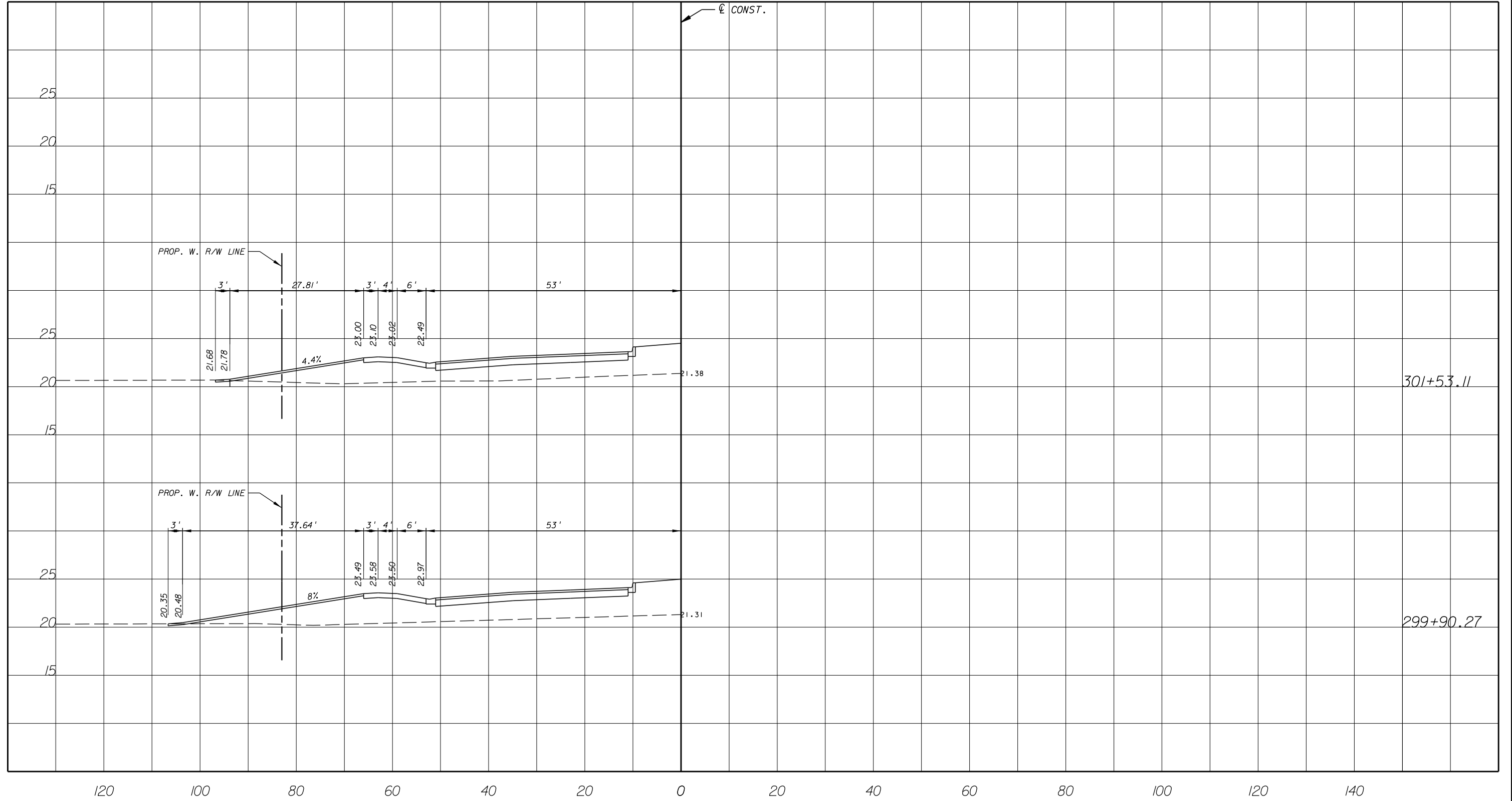


* PEGGED OR STAKED SOD TO EXTEND TO ELEVATION 16.0 (NORMAL POND WATER SURFACE ELEVATION).

NO.	REVISION	BY	DATE

SCALE:	NTS
APPROVED:	H.D.
DRAWN:	B.F.
CHECKED:	H.D.
DATE:	12-20
FIELD BOOK NO.	

SHEET	64
OF	112
PROJECT NO.	A1053
IRC_JOB_NO.	1505



08310 / LC26000269



ARCADIS U.S., INC.

2081 VISTA PARKWAY, WEST PALM BEACH, FL 33411
 (561) 697-7000, FAX (561) 697-7751

EB 7917 / LB 7062

NO.	REVISION	BY	DATE



Department of Public Works
 Engineering Division

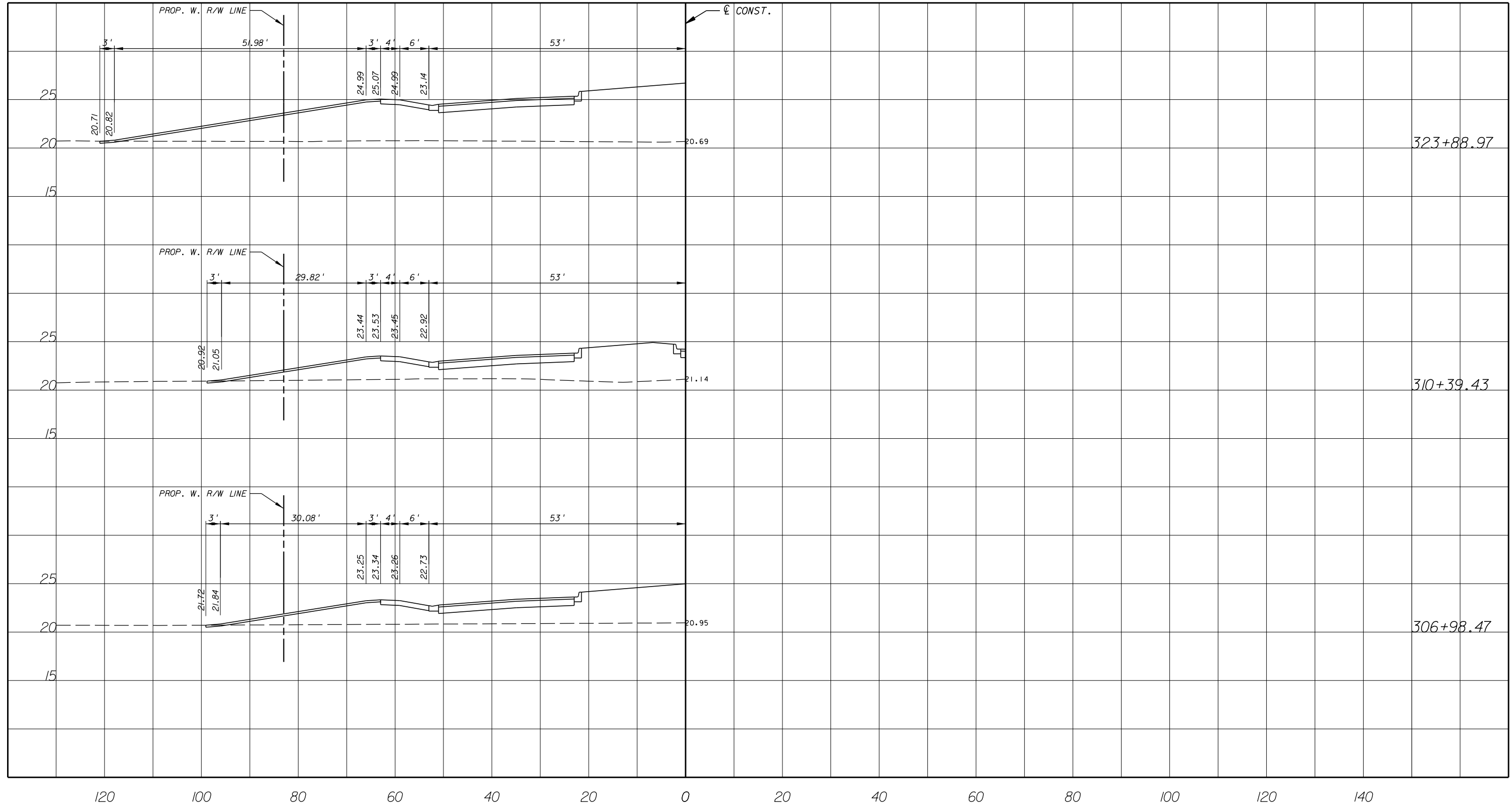
SCALE: H: 1"=20'
 V: 1"=10'
 APPROVED: H.D.
 DRAWN: B.F.
 CHECKED: H.D.
 DATE: 12-20
 FIELD BOOK NO:

DRIVEWAY CROSS SECTION

66 TH AVENUE

SOUTH OF S.R. 60 TO NORTH OF 57TH ST.

SHEET 65
 OF 112
 PROJECT NO. A1053
 IRC_JOB_NO. 1505



08310 / LC26000269



ARCADIS U.S., INC.

2081 VISTA PARKWAY, WEST PALM BEACH, FL 33411
(561) 697-7000, FAX (561) 697-7751

EB 7917 / LB 7062

NO.	REVISION	BY	DATE



Department of Public Works
Engineering Division

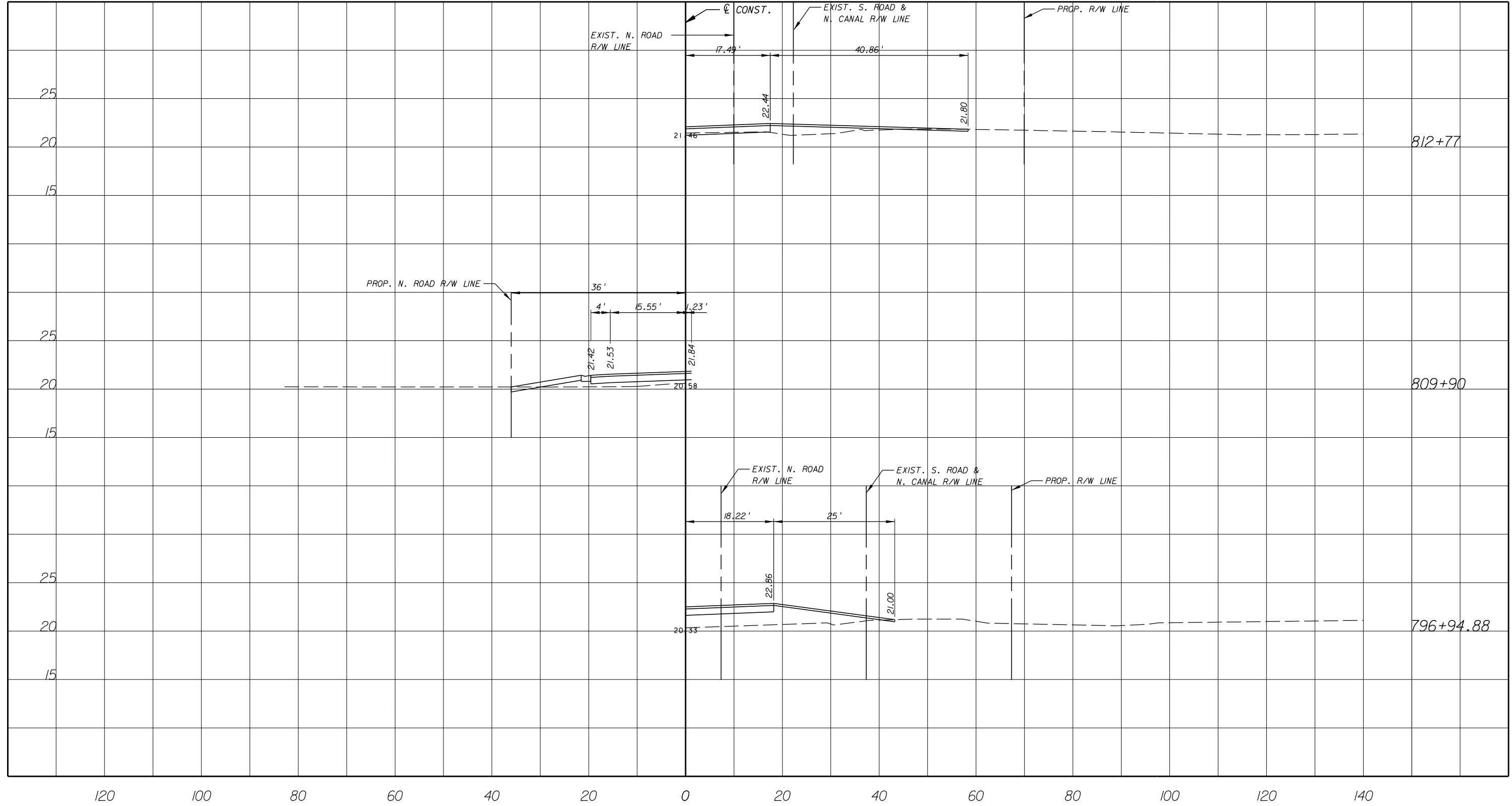
SCALE: H: 1"=20'
V: 1"=10'
APPROVED: H.D.
DRAWN: B.F.
CHECKED: H.D.
DATE: 12-20
FIELD BOOK NO:

DRIVEWAY CROSS SECTION

66 TH AVENUE

SOUTH OF S.R. 60 TO NORTH OF 57TH ST.

SHEET: 66
OF: 112
PROJECT NO. A1053
IRC_JOB_NO. 1505



GB310 / LC26000269



ARCADIS U.S., INC.

2081 VISTA PARKWAY, WEST PALM BEACH, FL 33411
(561) 697-7000, FAX (561) 697-7751

EB 7917 / LB 7062

NO.	REVISION	BY	DATE



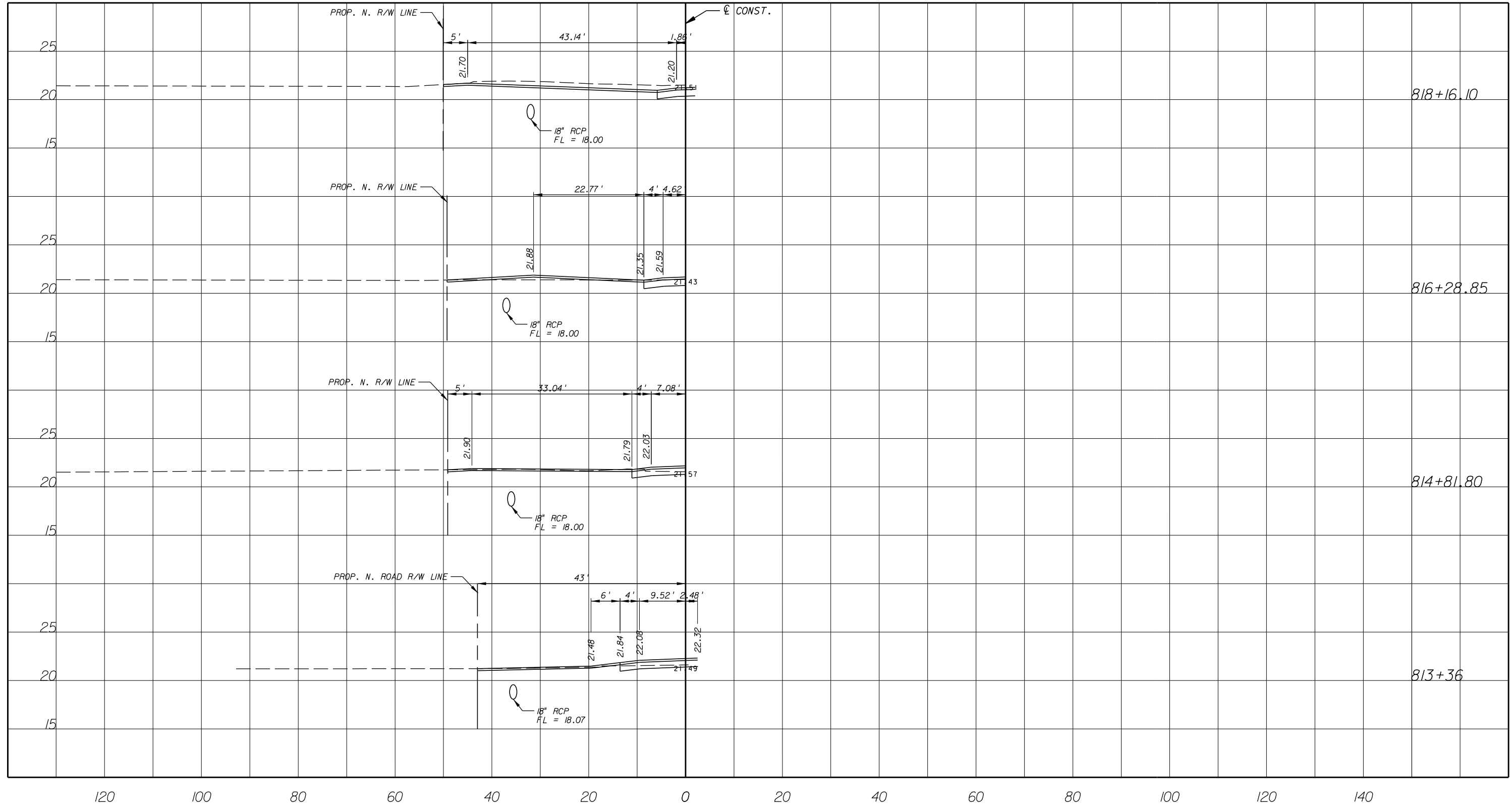
Department of Public Works
Engineering Division

SCALE: H: 1"=20'
V: 1"=10'
APPROVED: H.D.
DRAWN: B.F.
CHECKED: H.D.
DATE: 12-20
FIELD BOOK NO:

DRIVEWAY CROSS SECTION

**66 TH AVENUE
53RD STREET**

SHEET 68
OF 112
PROJECT NO. A1053
IRC_JOB_NO. 1505



GB310 / LC26000269



EB 7917 / LB 7062

NO.	REVISION	BY	DATE

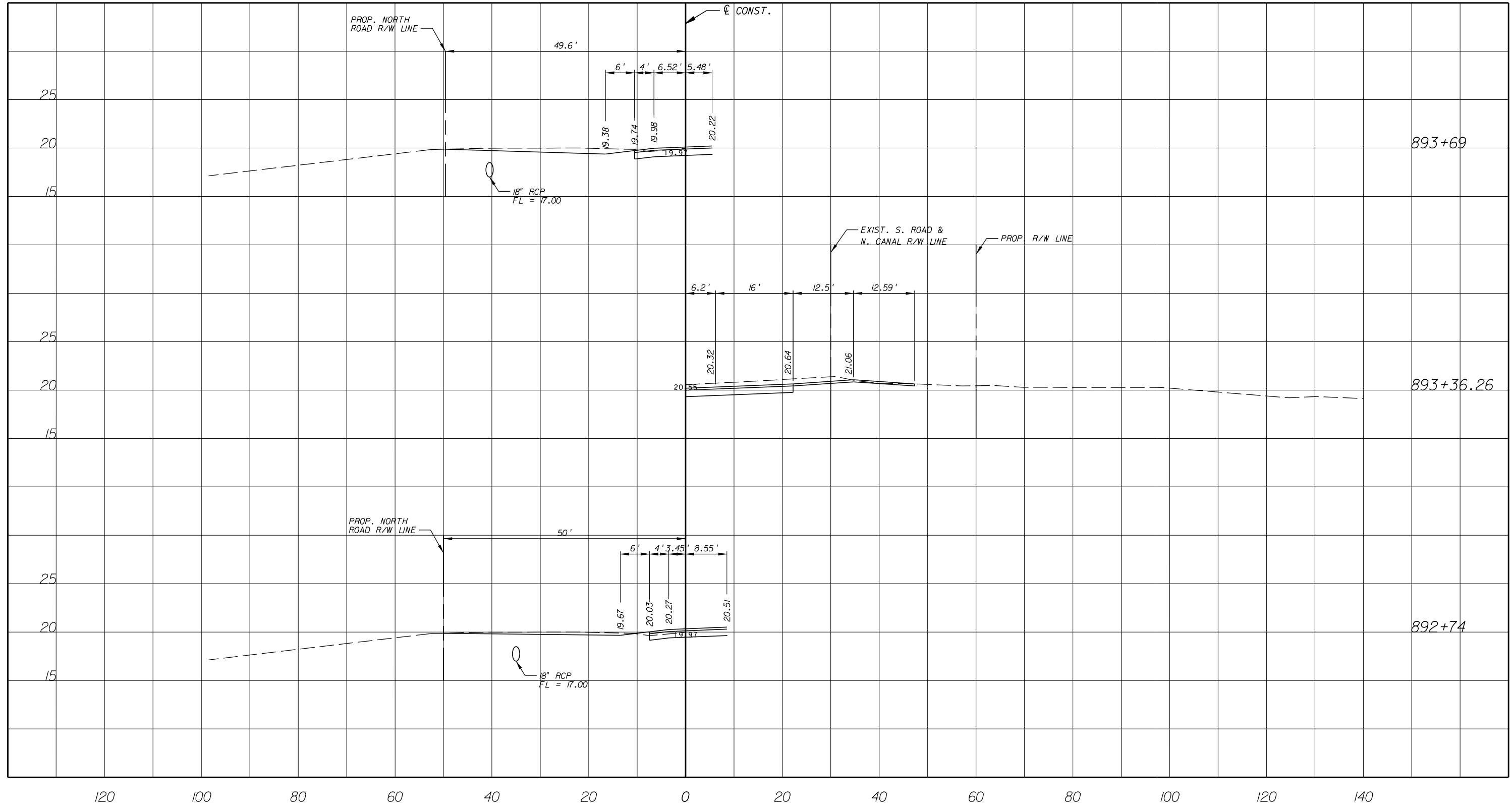


Department of Public Works
Engineering Division

SCALE: H: 1"=20'
V: 1"=10'
APPROVED: H.D.
DRAWN: B.F.
CHECKED: H.D.
DATE: 12-20
FIELD BOOK NO:

DRIVEWAY CROSS SECTION
66 TH AVENUE
53RD STREET

SHEET 69
OF 112
PROJECT NO. A1053
IRC_JOB_NO. 1505



GB310 / LC26000269



ARCADIS U.S., INC.
 2081 VISTA PARKWAY, WEST PALM BEACH, FL 33411
 (561) 697-7000, FAX (561) 697-7751

EB 7917 / LB 7062

NO.	REVISION	BY	DATE

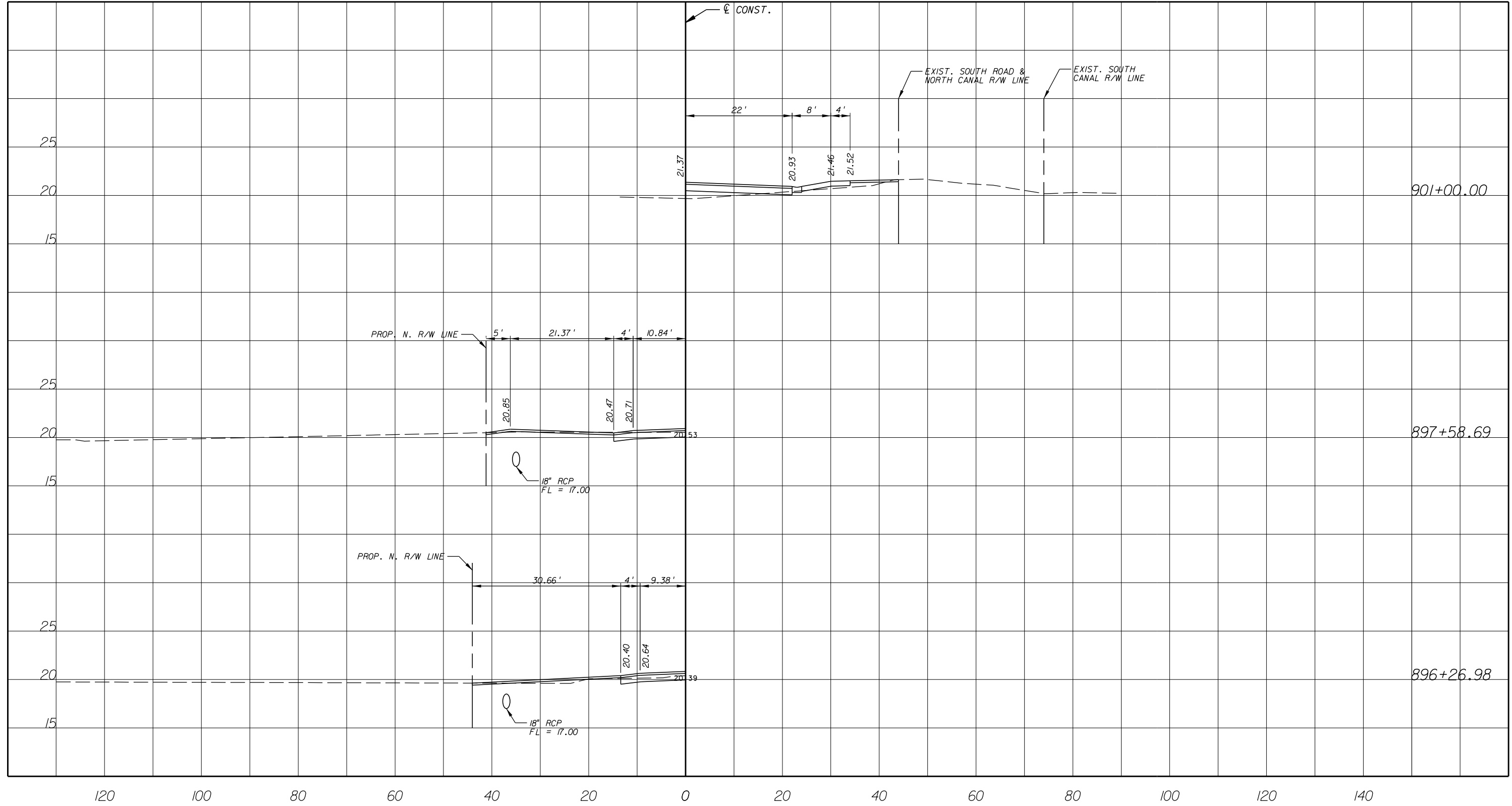


Department of Public Works
 Engineering Division

SCALE: H: 1"=20'
 V: 1"=10'
 APPROVED: H.D.
 DRAWN: B.F.
 CHECKED: H.D.
 DATE: 12-20
 FIELD BOOK NO:

DRIVEWAY CROSS SECTION
66 TH AVENUE
57TH STREET

SHEET 70
 OF 112
 PROJECT NO. A1053
 IRC_JOB_NO. 1505



GB310 / LC26000269



ARCADIS U.S., INC.

2081 VISTA PARKWAY, WEST PALM BEACH, FL 33411
(561) 697-7000, FAX (561) 697-7751

EB 7917 / LB 7062

NO.	REVISION	BY	DATE



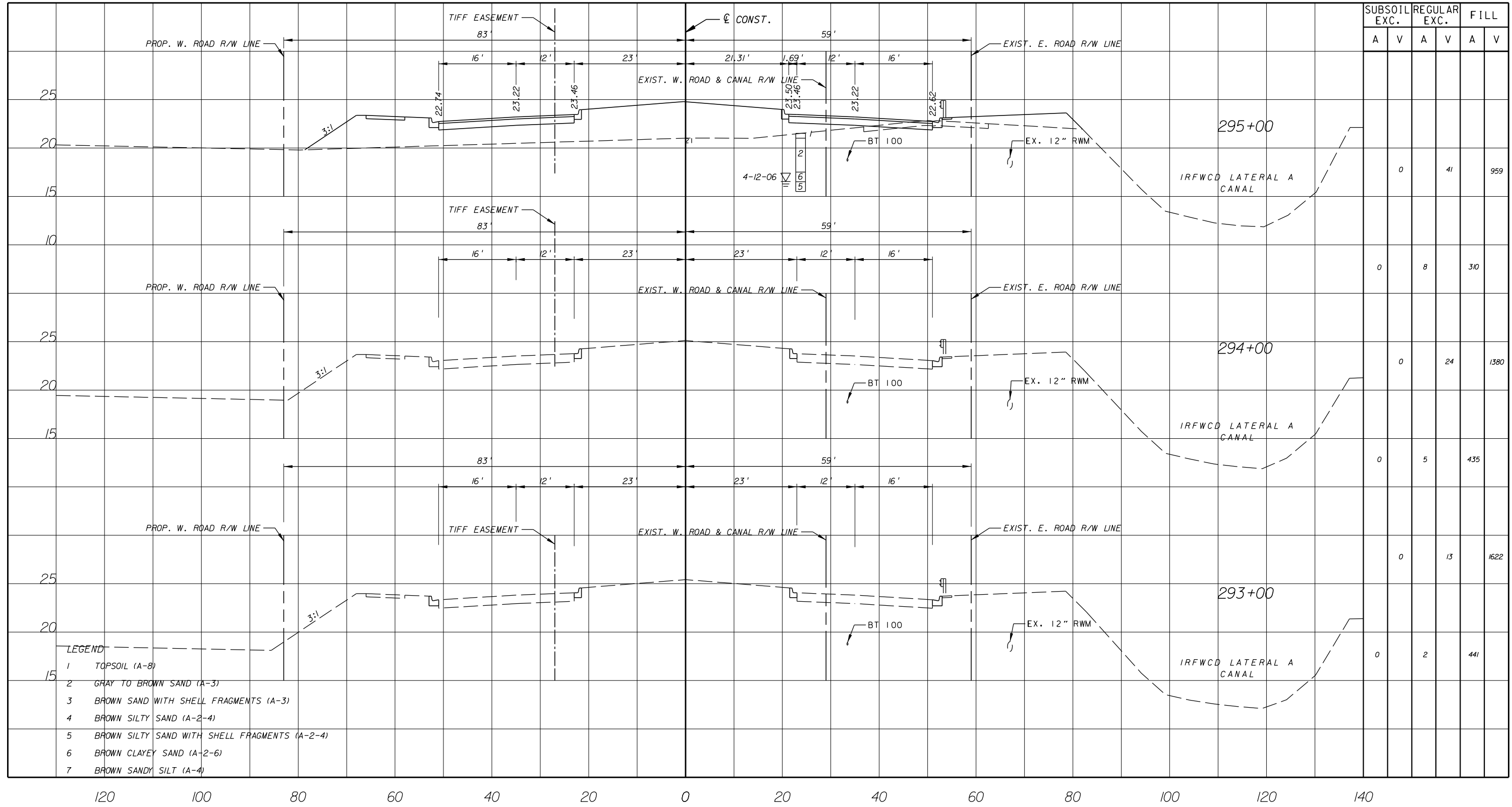
Department of Public Works
Engineering Division

SCALE: H: 1"=20'
V: 1"=10'
APPROVED: H.D.
DRAWN: B.F.
CHECKED: H.D.
DATE: 12-20
FIELD BOOK NO:

DRIVEWAY CROSS SECTION

**66 TH AVENUE
57TH STREET**

SHEET 71
OF 112
PROJECT NO. A1053
IRC_JOB_NO. 1505



- LEGEND
- 1 TOPSOIL (A-8)
 - 2 GRAY TO BROWN SAND (A-3)
 - 3 BROWN SAND WITH SHELL FRAGMENTS (A-3)
 - 4 BROWN SILTY SAND (A-2-4)
 - 5 BROWN SILTY SAND WITH SHELL FRAGMENTS (A-2-4)
 - 6 BROWN CLAYEY SAND (A-2-6)
 - 7 BROWN SANDY SILT (A-4)

ARCADIS U.S., INC.
 2081 VISTA PARKWAY, WEST PALM BEACH, FL 33411
 (561) 697-7000, FAX (561) 697-7751

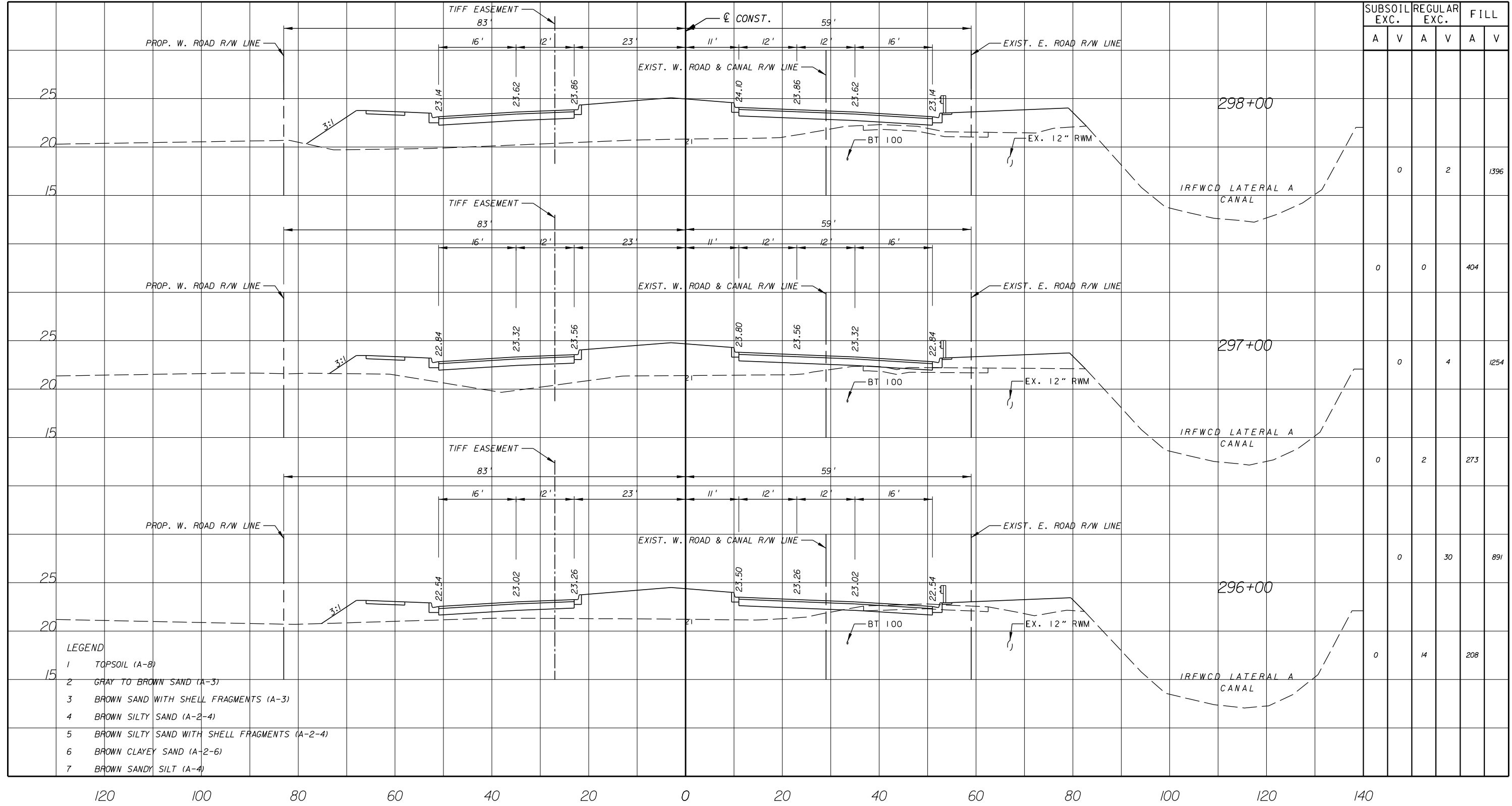
NO.	REVISION	BY	DATE
13	MOVED GUARDRAIL	BF	5-3-13

Department of Public Works
 Engineering Division

SCALE: H: 1"=20'
 V: 1"=10'
 APPROVED: B.F.
 DRAWN: B.F.
 CHECKED: H.D.
 DATE: 12-20
 FIELD BOOK NO:

CROSS SECTION
66 TH AVENUE
 SOUTH OF S.R. 60 TO NORTH OF 57TH ST.

SHEET 72 OF 112
 PROJECT NO. A1053
 IRC_JOB_NO. 1505



SUBSOIL EXC.		REGULAR EXC.		FILL	
A	V	A	V	A	V
	0		2		1396
	0		0		404
	0		4		1254
	0		2		273
	0		30		891
	0		14		208

- LEGEND
- 1 TOPSOIL (A-8)
 - 2 GRAY TO BROWN SAND (A-3)
 - 3 BROWN SAND WITH SHELL FRAGMENTS (A-3)
 - 4 BROWN SILTY SAND (A-2-4)
 - 5 BROWN SILTY SAND WITH SHELL FRAGMENTS (A-2-4)
 - 6 BROWN CLAYEY SAND (A-2-6)
 - 7 BROWN SANDY SILT (A-4)

ARCADIS U.S., INC.
 2081 VISTA PARKWAY, WEST PALM BEACH, FL 33411
 (561) 697-7000, FAX (561) 697-7751

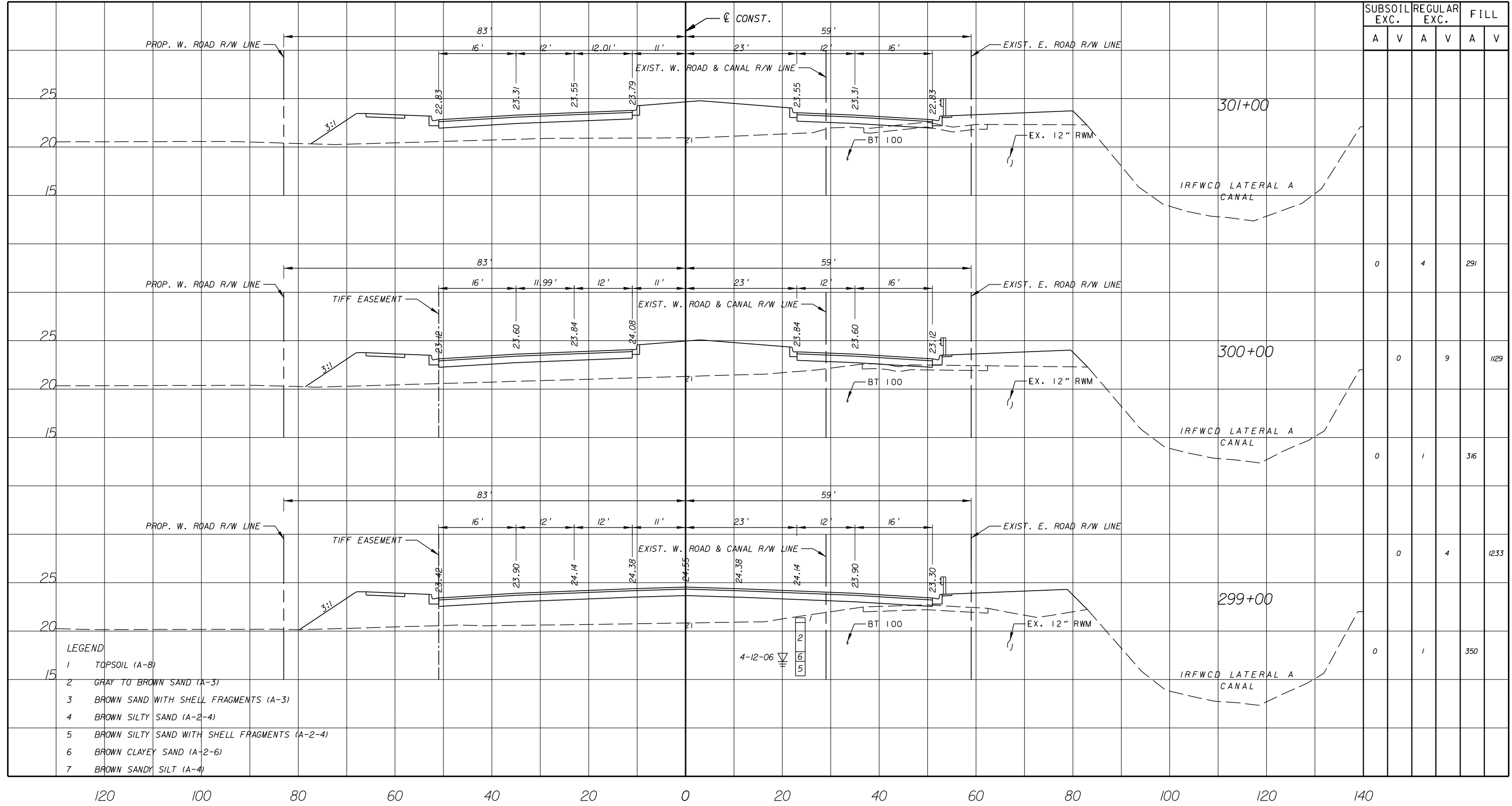
NO.	REVISION	BY	DATE

INDIAN RIVER COUNTY
 FLORIDA
 Department of Public Works
 Engineering Division

SCALE: H: 1"=20'
 V: 1"=10'
 APPROVED: B.F.
 DRAWN: H.D.
 CHECKED: H.D.
 DATE: 12-20
 FIELD BOOK NO:

CROSS SECTION
66 TH AVENUE
 SOUTH OF S.R. 60 TO NORTH OF 57TH ST.

SHEET 73
 OF 112
 PROJECT NO. A1053
 IRC_JOB_NO. 1505



LEGEND

- 1 TOPSOIL (A-8)
- 2 GRAY TO BROWN SAND (A-3)
- 3 BROWN SAND WITH SHELL FRAGMENTS (A-3)
- 4 BROWN SILTY SAND (A-2-4)
- 5 BROWN SILTY SAND WITH SHELL FRAGMENTS (A-2-4)
- 6 BROWN CLAYEY SAND (A-2-6)
- 7 BROWN SANDY SILT (A-4)

4-12-06

GB310 / LC26000269

ARCADIS U.S., INC.
 2081 VISTA PARKWAY, WEST PALM BEACH, FL 33411
 (561) 697-7000, FAX (561) 697-7751

EB 7917 / LB 7062

NO.	REVISION	BY	DATE



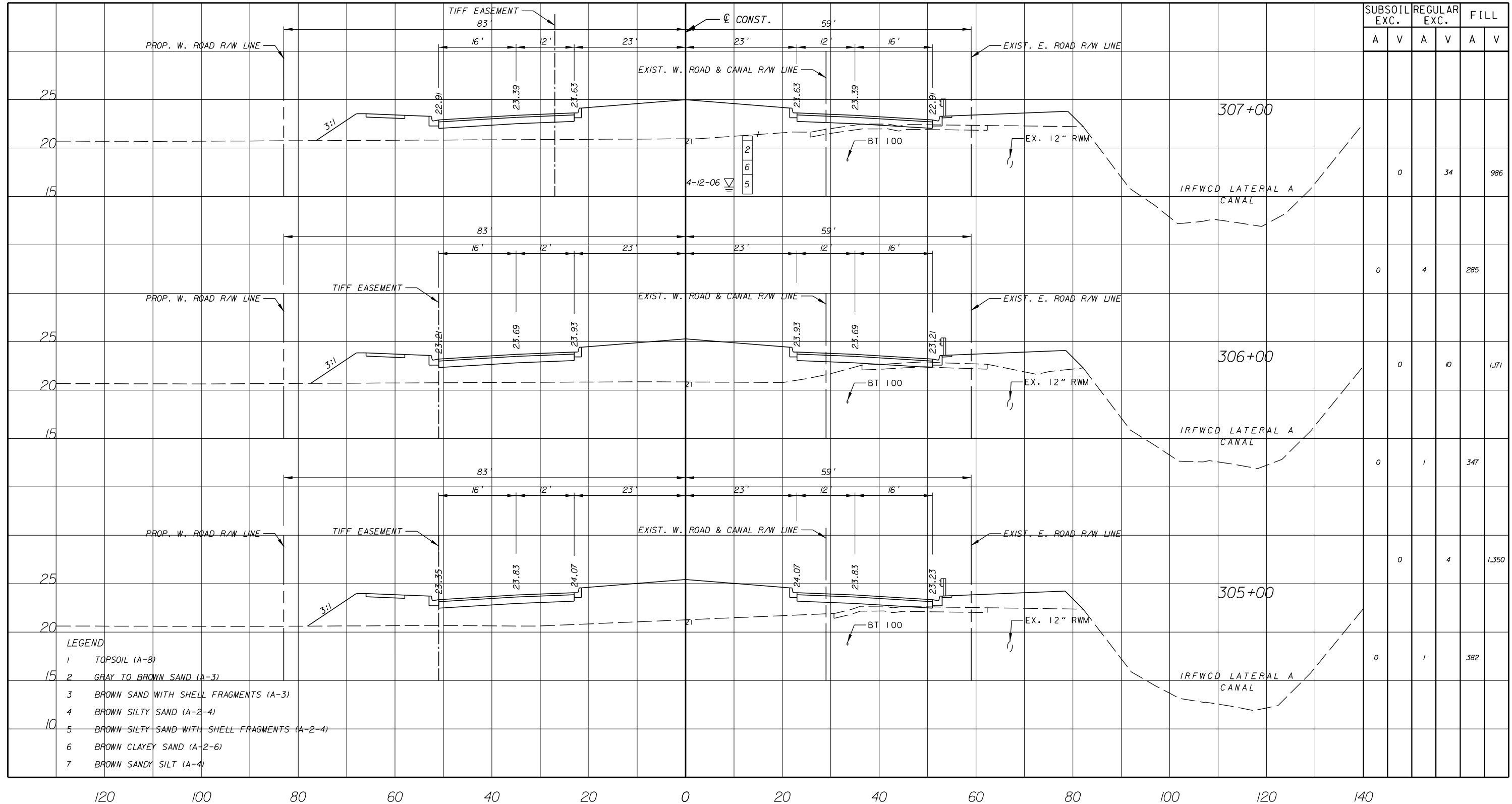
Department of Public Works
 Engineering Division

SCALE: H. 1"=20'
V. 1"=10'
APPROVED:
DRAWN: B.F.
CHECKED: H.D.
DATE: 12-20
FIELD BOOK NO:

CROSS SECTION
66 TH AVENUE

SOUTH OF S.R. 60 TO NORTH OF 57TH ST.

SHEET	74
OF	112
PROJECT NO.	A1053
IRC_JOB_NO.	1505



- LEGEND**
- 1 TOPSOIL (A-8)
 - 2 GRAY TO BROWN SAND (A-3)
 - 3 BROWN SAND WITH SHELL FRAGMENTS (A-3)
 - 4 BROWN SILTY SAND (A-2-4)
 - 5 BROWN SILTY SAND WITH SHELL FRAGMENTS (A-2-4)
 - 6 BROWN CLAYEY SAND (A-2-6)
 - 7 BROWN SANDY SILT (A-4)

ARCADIS U.S., INC.
 2081 VISTA PARKWAY, WEST PALM BEACH, FL 33411
 (561) 697-7000, FAX (561) 697-7751

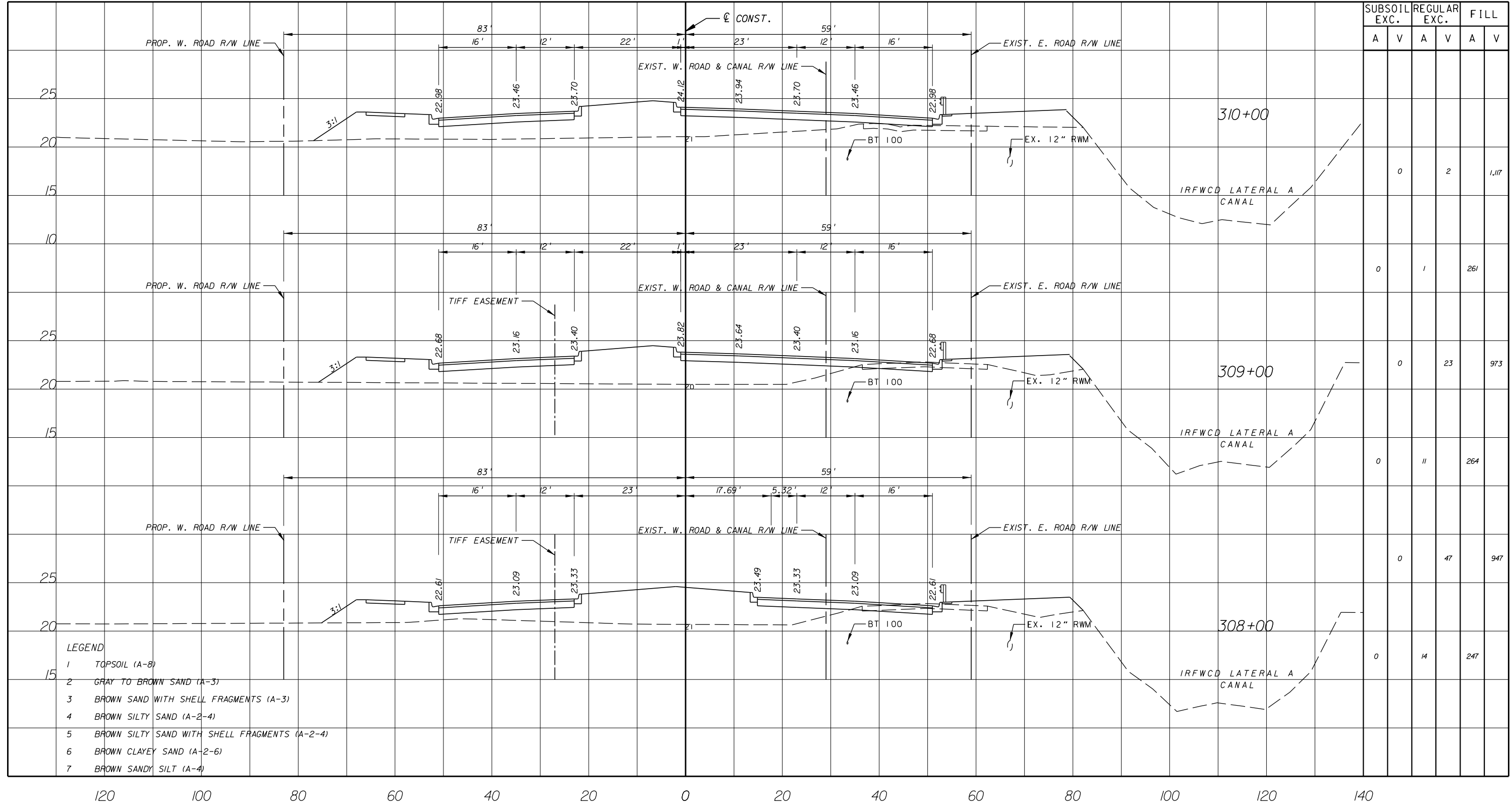
NO.	REVISION	BY	DATE

INDIAN RIVER COUNTY
 FLORIDA
 Department of Public Works
 Engineering Division

SCALE: H. 1"=20'
 V. 1"=10'
 APPROVED: B.F.
 DRAWN: H.D.
 CHECKED: H.D.
 DATE: 12-20
 FIELD BOOK NO.

CROSS SECTION
66 TH AVENUE
 SOUTH OF S.R. 60 TO NORTH OF 57TH ST.

SHEET 76
 OF 112
 PROJECT NO. A1053
 IRC_JOB_NO. 1505



SUBSOIL EXC.		REGULAR EXC.		FILL	
A	V	A	V	A	V

- LEGEND
- 1 TOPSOIL (A-8)
 - 2 GRAY TO BROWN SAND (A-3)
 - 3 BROWN SAND WITH SHELL FRAGMENTS (A-3)
 - 4 BROWN SILTY SAND (A-2-4)
 - 5 BROWN SILTY SAND WITH SHELL FRAGMENTS (A-2-4)
 - 6 BROWN CLAYEY SAND (A-2-6)
 - 7 BROWN SANDY SILT (A-4)

ARCADIS U.S., INC.
 2081 VISTA PARKWAY, WEST PALM BEACH, FL 33411
 (561) 697-7000, FAX (561) 697-7751

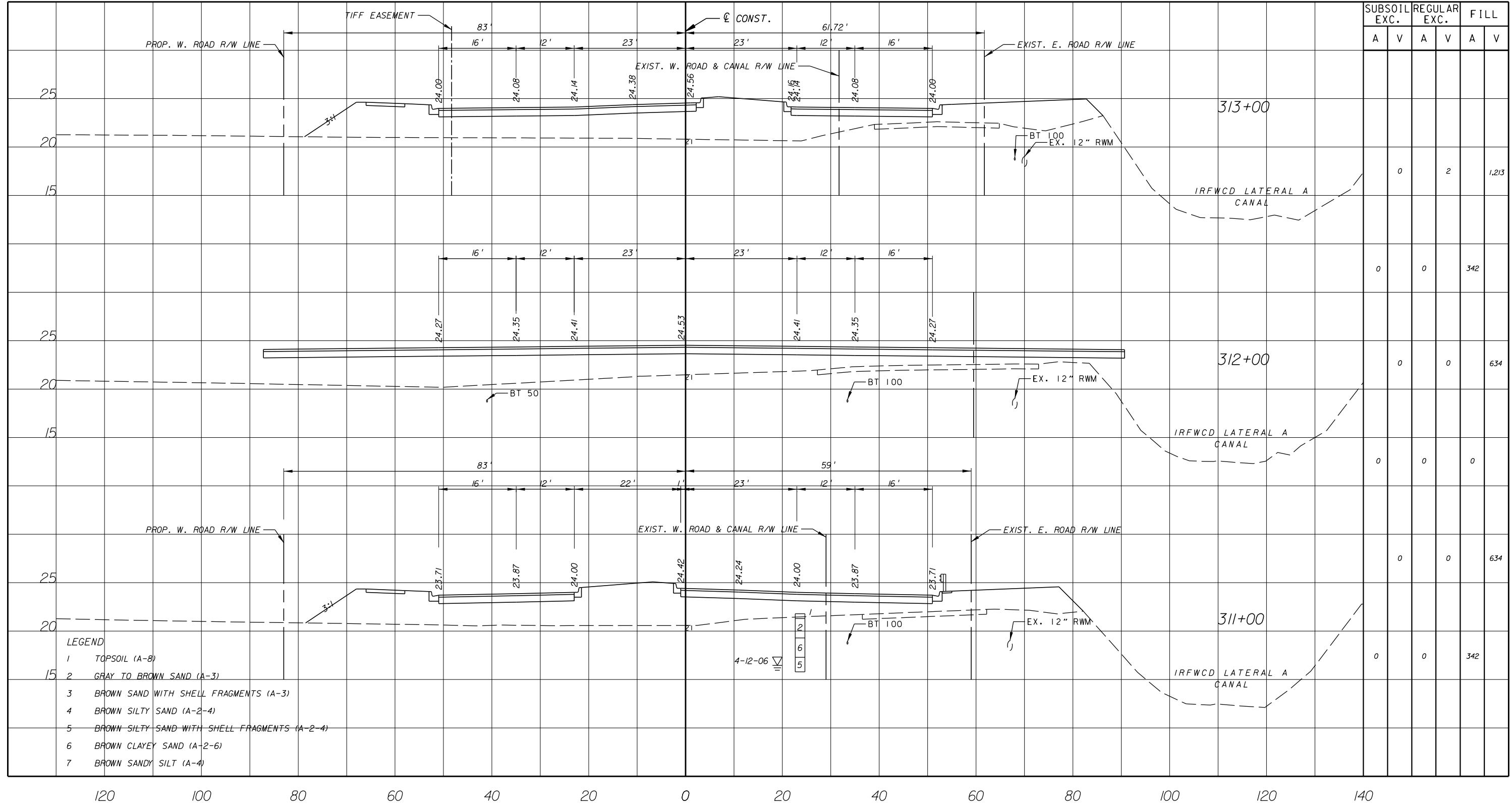
NO.	REVISION	BY	DATE

INDIAN RIVER COUNTY
 FLORIDA
 Department of Public Works
 Engineering Division

SCALE: H: 1"=20'
V: 1"=10'
APPROVED: B.F.
DRAWN: H.D.
CHECKED: 12-20
DATE:
FIELD BOOK NO:

CROSS SECTION
66 TH AVENUE
 SOUTH OF S.R. 60 TO NORTH OF 57TH ST.

SHEET OF:	77 112
PROJECT NO.	A1053
IRC_JOB_NO.	1505



SUBSOIL EXC.		REGULAR EXC.		FILL	
A	V	A	V	A	V

		0	2		1,213
		0	0		342
		0	0		634
		0	0		0
		0	0		634
		0	0		342

- LEGEND**
- 1 TOPSOIL (A-8)
 - 2 GRAY TO BROWN SAND (A-3)
 - 3 BROWN SAND WITH SHELL FRAGMENTS (A-3)
 - 4 BROWN SILTY SAND (A-2-4)
 - 5 BROWN SILTY SAND WITH SHELL FRAGMENTS (A-2-4)
 - 6 BROWN CLAYEY SAND (A-2-6)
 - 7 BROWN SANDY SILT (A-4)

ARCADIS U.S., INC.
 2081 VISTA PARKWAY, WEST PALM BEACH, FL 33411
 (561) 697-7000, FAX (561) 697-7751

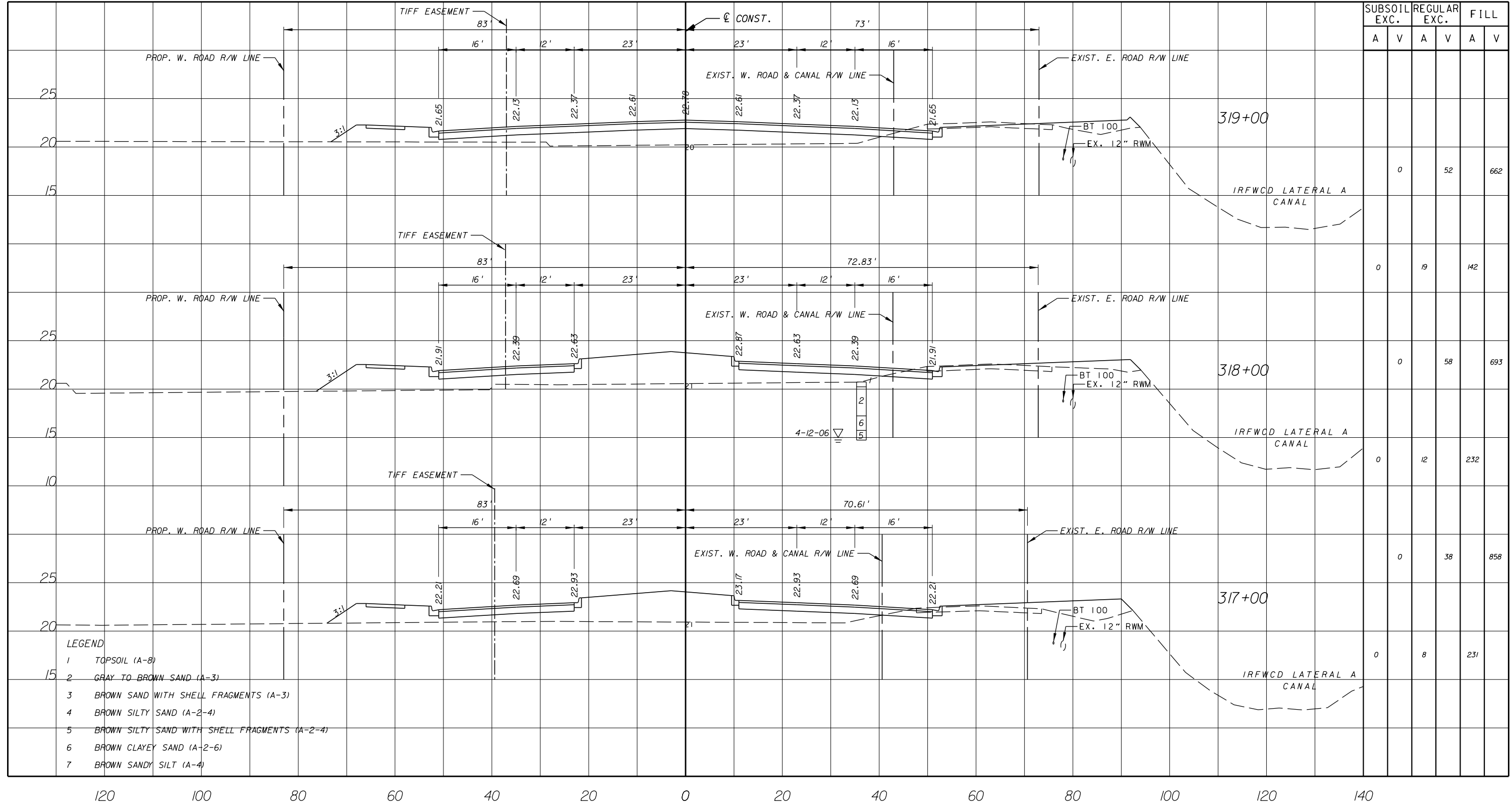
NO.	REVISION	BY	DATE

INDIAN RIVER COUNTY
 FLORIDA
 Department of Public Works
 Engineering Division

SCALE: H: 1"=20'
 V: 1"=10'
 APPROVED: B.F.
 DRAWN: B.F.
 CHECKED: H.D.
 DATE: 12-20
 FIELD BOOK NO:

CROSS SECTION
66 TH AVENUE
 SOUTH OF S.R. 60 TO NORTH OF 57TH ST.

SHEET 78 OF 112
 PROJECT NO. A1053
 IRC_JOB_NO. 1505



- LEGEND**
- 1 TOPSOIL (A-8)
 - 2 GRAY TO BROWN SAND (A-3)
 - 3 BROWN SAND WITH SHELL FRAGMENTS (A-3)
 - 4 BROWN SILTY SAND (A-2-4)
 - 5 BROWN SILTY SAND WITH SHELL FRAGMENTS (A-2-4)
 - 6 BROWN CLAYEY SAND (A-2-6)
 - 7 BROWN SANDY SILT (A-4)

ARCADIS U.S., INC.
 2081 VISTA PARKWAY, WEST PALM BEACH, FL 33411
 (561) 697-7000, FAX (561) 697-7751

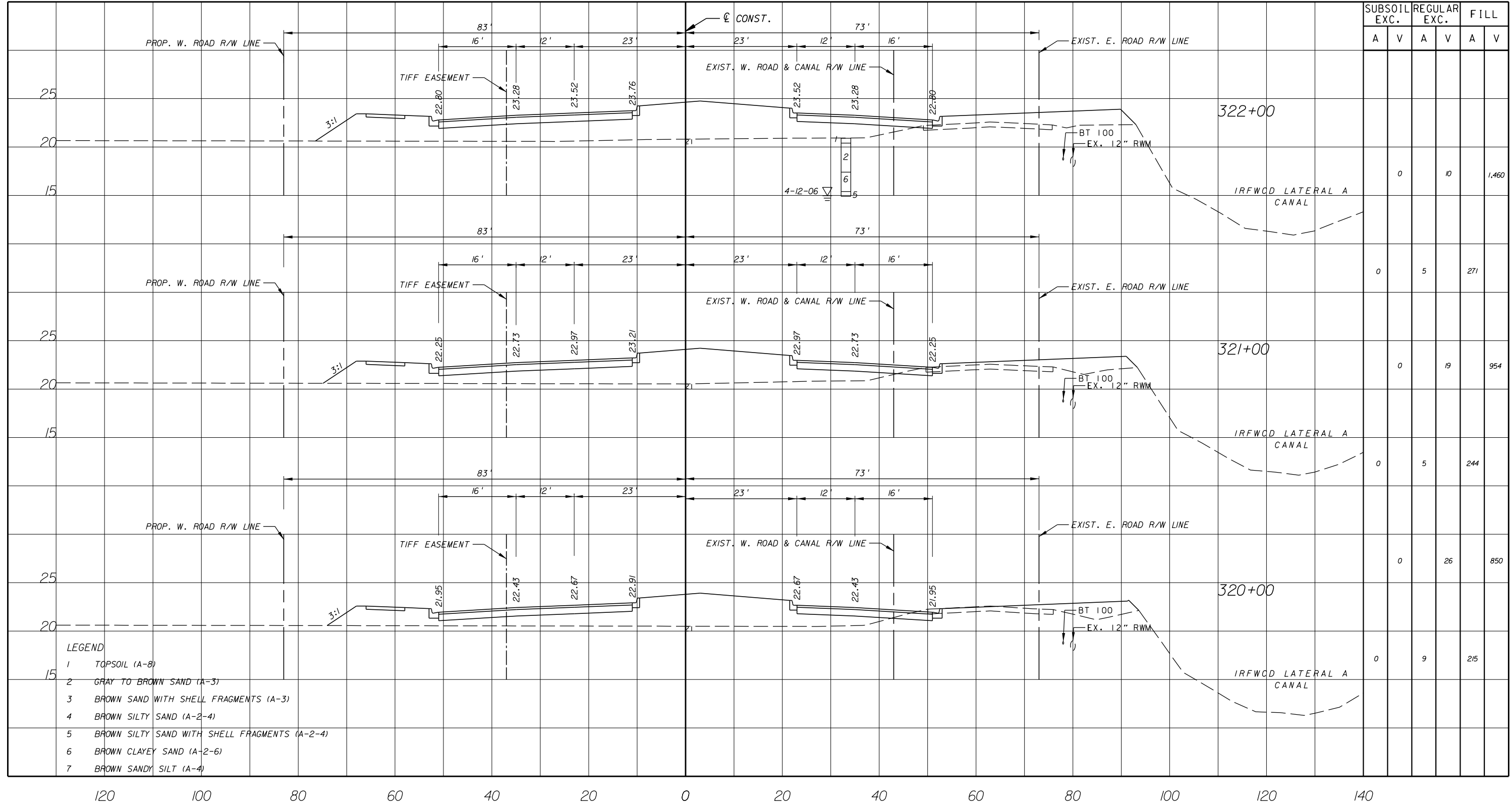
NO.	REVISION	BY	DATE

Department of Public Works
 Engineering Division

SCALE: H: 1"=20'	V: 1"=10'
APPROVED:	
DRAWN: B.F.	
CHECKED: H.D.	
DATE: 12-20	
FIELD BOOK NO:	

CROSS SECTION
66 TH AVENUE
 SOUTH OF S.R. 60 TO NORTH OF 57TH ST.

SHEET OF:	80 112
PROJECT NO.	A1053
IRC_JOB_NO.	1505



SUBSOIL EXC.		REGULAR EXC.		FILL	
A	V	A	V	A	V

- LEGEND
- 1 TOPSOIL (A-8)
 - 2 GRAY TO BROWN SAND (A-3)
 - 3 BROWN SAND WITH SHELL FRAGMENTS (A-3)
 - 4 BROWN SILTY SAND (A-2-4)
 - 5 BROWN SILTY SAND WITH SHELL FRAGMENTS (A-2-4)
 - 6 BROWN CLAYEY SAND (A-2-6)
 - 7 BROWN SANDY SILT (A-4)

ARCADIS U.S., INC.
 2081 VISTA PARKWAY, WEST PALM BEACH, FL 33411
 (561) 697-7000, FAX (561) 697-7751

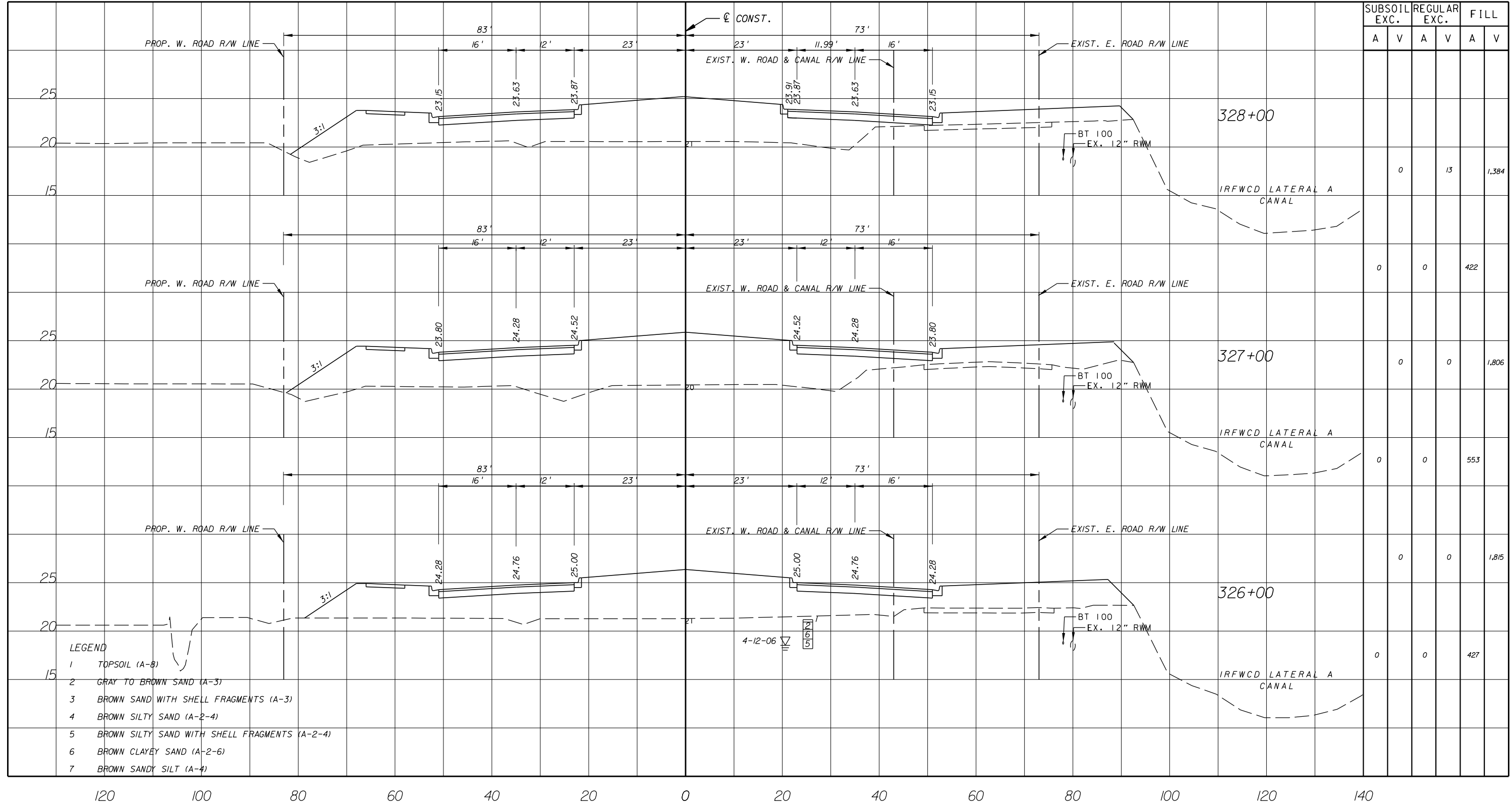
NO.	REVISION	BY	DATE

INDIAN RIVER COUNTY
 FLORIDA
 Department of Public Works
 Engineering Division

SCALE: H. 1"=20'	V. 1"=10'
APPROVED:	B.F.
DRAWN:	H.D.
CHECKED:	12-20
DATE:	
FIELD BOOK NO.:	

CROSS SECTION
66 TH AVENUE
 SOUTH OF S.R. 60 TO NORTH OF 57TH ST.

SHEET	81
OF	112
PROJECT NO.	A1053
IRC_JOB_NO.	1505



SUBSOIL EXC.		REGULAR EXC.		FILL	
A	V	A	V	A	V

- LEGEND
- 1 TOPSOIL (A-8)
 - 2 GRAY TO BROWN SAND (A-3)
 - 3 BROWN SAND WITH SHELL FRAGMENTS (A-3)
 - 4 BROWN SILTY SAND (A-2-4)
 - 5 BROWN SILTY SAND WITH SHELL FRAGMENTS (A-2-4)
 - 6 BROWN CLAYEY SAND (A-2-6)
 - 7 BROWN SANDY SILT (A-4)

ARCADIS U.S., INC.
 2081 VISTA PARKWAY, WEST PALM BEACH, FL 33411
 (561) 697-7000, FAX (561) 697-7751

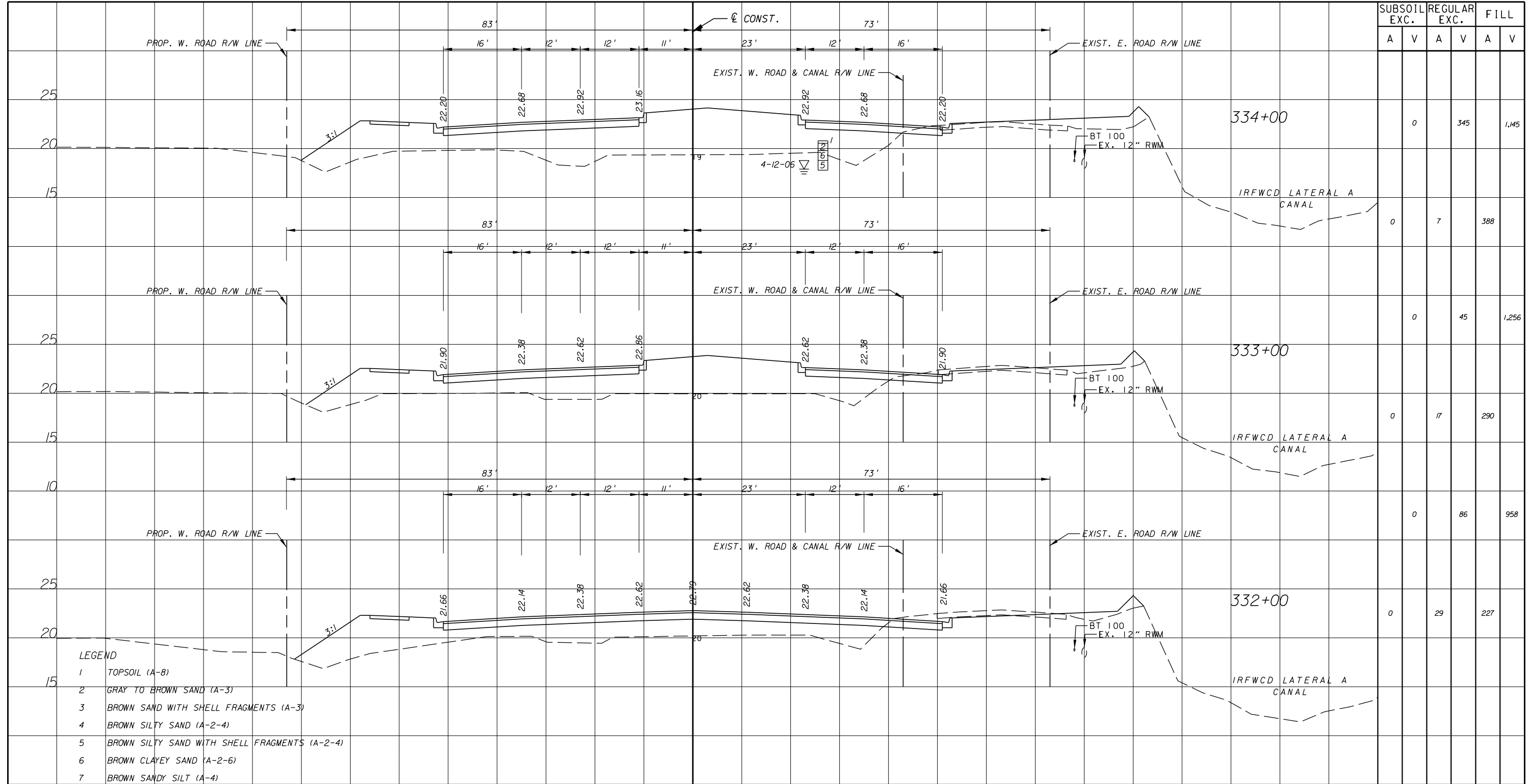
NO.	REVISION	BY	DATE

Department of Public Works
 Engineering Division

SCALE: H. 1"=20'
V. 1"=10'
APPROVED: B.F.
DRAWN: H.D.
CHECKED: 12-20
DATE:
FIELD BOOK NO.:

CROSS SECTION
66 TH AVENUE
 SOUTH OF S.R. 60 TO NORTH OF 57TH ST.

SHEET OF	83 112
PROJECT NO.	A1053
IRC_JOB_NO.	1505



SUBSOIL EXC.		REGULAR EXC.		FILL	
A	V	A	V	A	V
	0		345		1,145
0		7			388
	0		45		1,256
0		17			290
	0		86		958
0		29			227

- LEGEND
- 1 TOPSOIL (A-8)
 - 2 GRAY TO BROWN SAND (A-3)
 - 3 BROWN SAND WITH SHELL FRAGMENTS (A-3)
 - 4 BROWN SILTY SAND (A-2-4)
 - 5 BROWN SILTY SAND WITH SHELL FRAGMENTS (A-2-4)
 - 6 BROWN CLAYEY SAND (A-2-6)
 - 7 BROWN SANDY SILT (A-4)

ARCADIS U.S., INC.
 2081 VISTA PARKWAY, WEST PALM BEACH, FL 33411
 (561) 697-7000, FAX (561) 697-7751

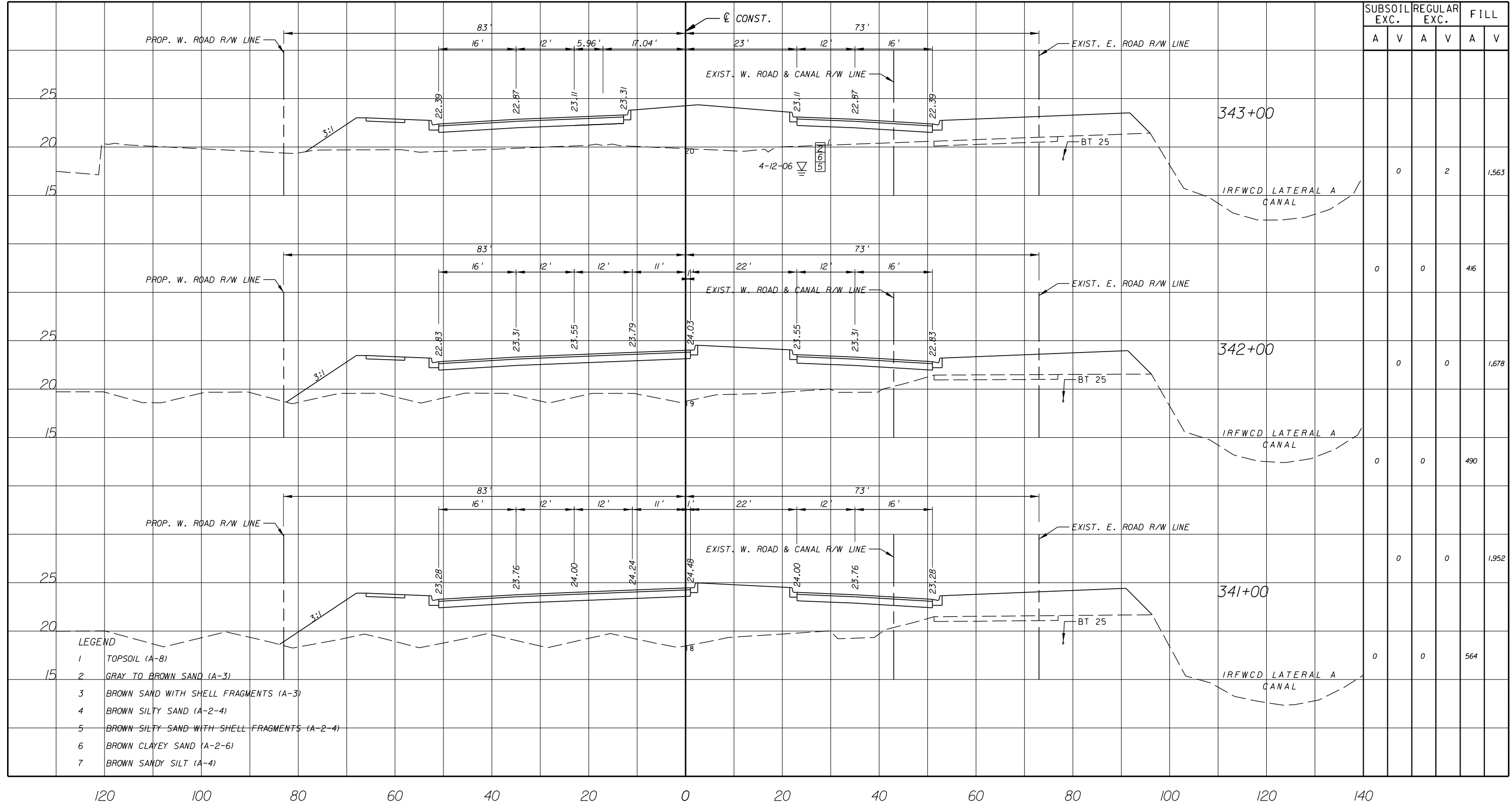
NO.	REVISION	BY	DATE

INDIAN RIVER COUNTY
 FLORIDA
 Department of Public Works
 Engineering Division

SCALE: H: 1"=20'
V: 1"=10'
APPROVED:
DRAWN: B.F.
CHECKED: H.D.
DATE: 12-20
FIELD BOOK NO:

CROSS SECTION
66 TH AVENUE
 SOUTH OF S.R. 60 TO NORTH OF 57TH ST.

SHEET OF:	85 112
PROJECT NO.	A1053
IRC_JOB_NO.	1505



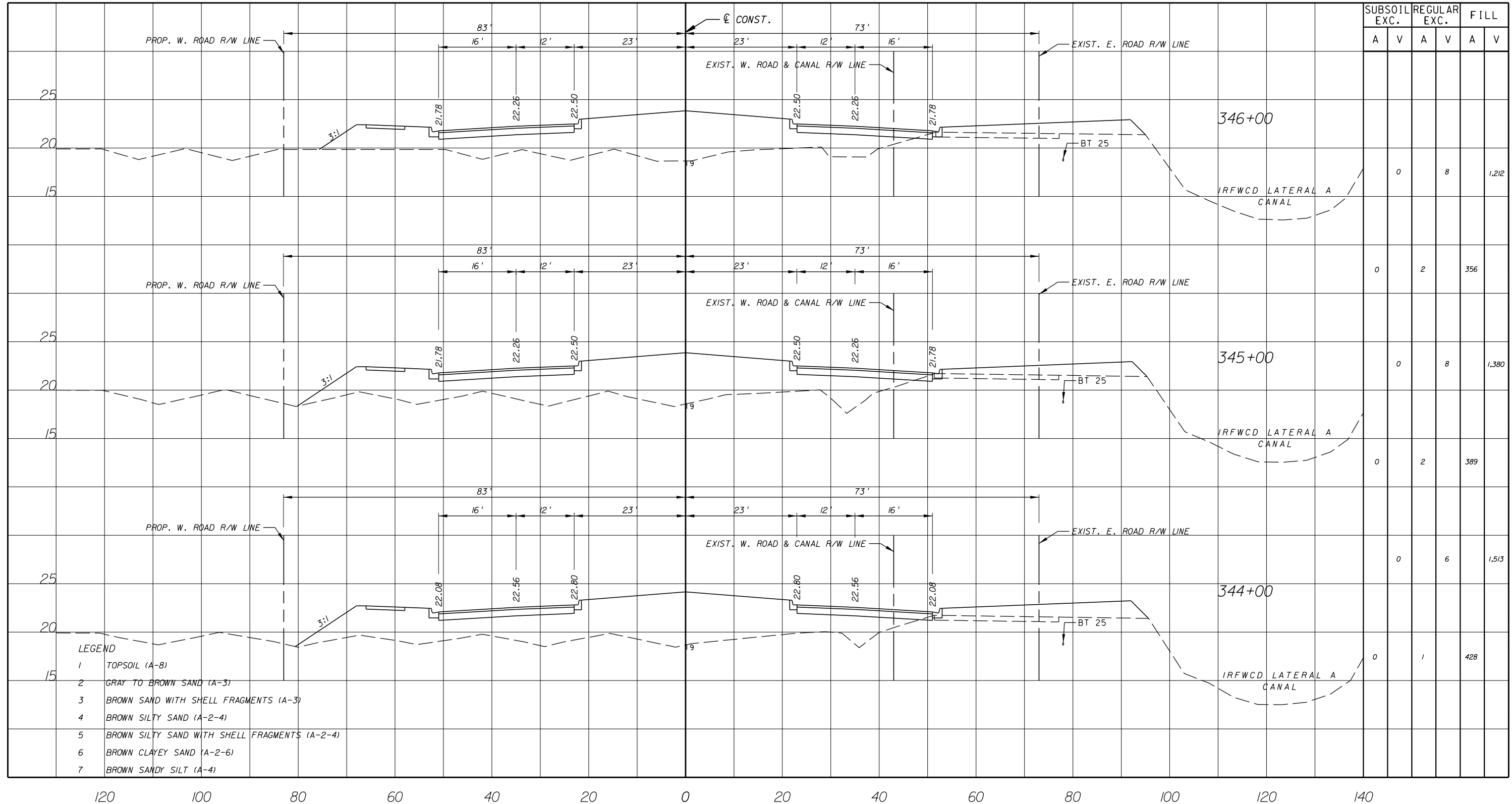
- LEGEND**
- 1 TOPSOIL (A-8)
 - 2 GRAY TO BROWN SAND (A-3)
 - 3 BROWN SAND WITH SHELL FRAGMENTS (A-3)
 - 4 BROWN SILTY SAND (A-2-4)
 - 5 BROWN SILTY SAND WITH SHELL FRAGMENTS (A-2-4)
 - 6 BROWN CLAYEY SAND (A-2-6)
 - 7 BROWN SANDY SILT (A-4)

NO.	REVISION	BY	DATE

SCALE: H: 1"=20'
V: 1"=10'
APPROVED: B.F.
DRAWN: H.D.
CHECKED: 12-20
DATE: 12-20
FIELD BOOK NO:

CROSS SECTION
66 TH AVENUE
 SOUTH OF S.R. 60 TO NORTH OF 57TH ST.

SHEET	88
OF	112
PROJECT NO.	A1053
IRC_JOB_NO.	1505



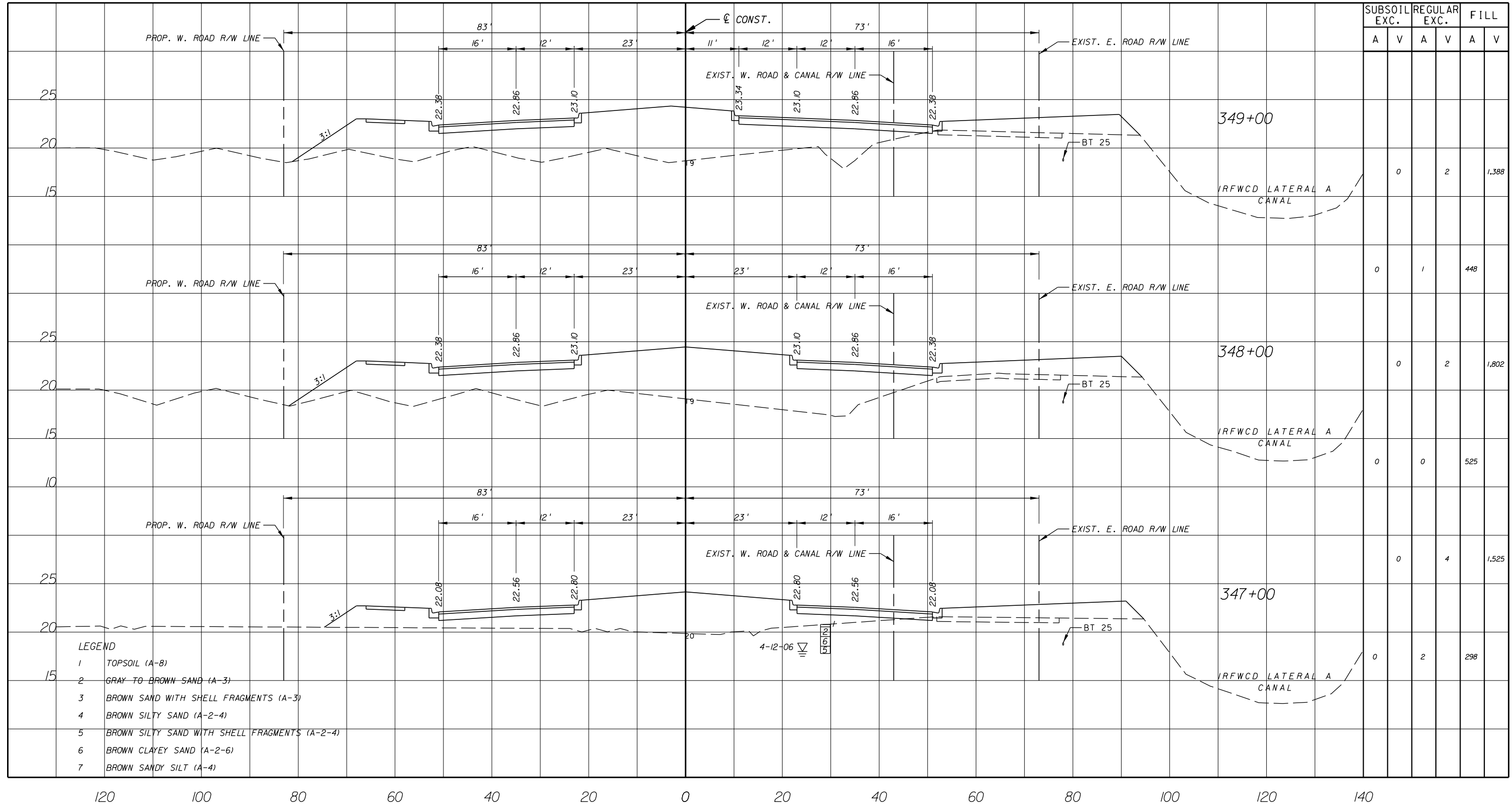
- LEGEND**
- 1 TOPSOIL (A-8)
 - 2 GRAY TO BROWN SAND (A-3)
 - 3 BROWN SAND WITH SHELL FRAGMENTS (A-3)
 - 4 BROWN SILTY SAND (A-2-4)
 - 5 BROWN SILTY SAND WITH SHELL FRAGMENTS (A-2-4)
 - 6 BROWN CLAYEY SAND (A-2-6)
 - 7 BROWN SANDY SILT (A-4)

NO.	REVISION	BY	DATE

SCALE: H. 1"=20'
V. 1"=10'
APPROVED: B.F.
DRAWN: H.D.
CHECKED: 12-20
DATE:
FIELD BOOK NO:

CROSS SECTION
66 TH AVENUE
 SOUTH OF S.R. 60 TO NORTH OF 57TH ST.

SHEET OF	89 112
PROJECT NO.	A1053
IRC_JOB_NO.	1505



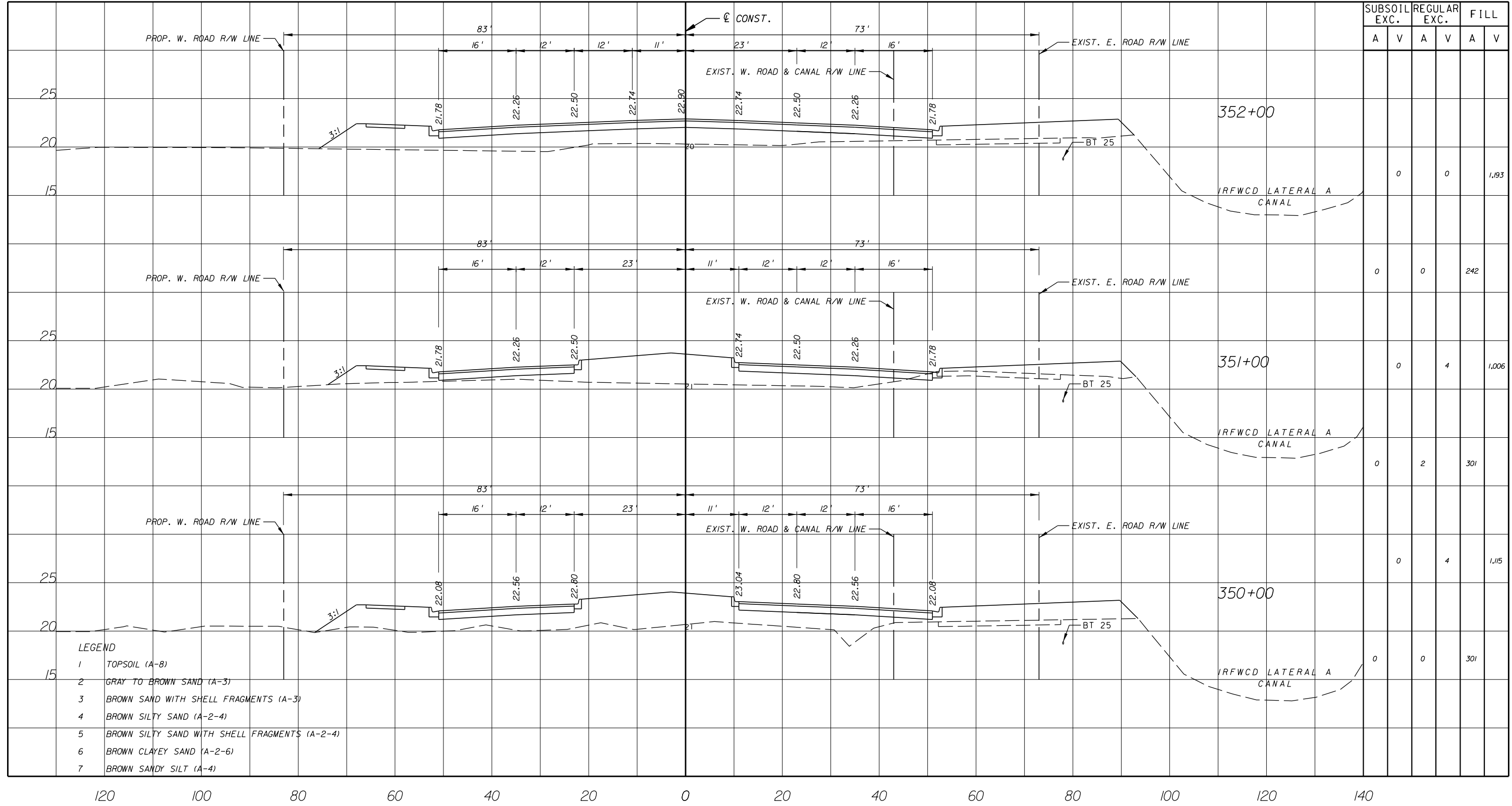
- LEGEND
- 1 TOPSOIL (A-8)
 - 2 GRAY TO BROWN SAND (A-3)
 - 3 BROWN SAND WITH SHELL FRAGMENTS (A-3)
 - 4 BROWN SILTY SAND (A-2-4)
 - 5 BROWN SILTY SAND WITH SHELL FRAGMENTS (A-2-4)
 - 6 BROWN CLAYEY SAND (A-2-6)
 - 7 BROWN SANDY SILT (A-4)

NO.	REVISION	BY	DATE

SCALE: H. 1"=20'
V. 1"=10'
APPROVED:
DRAWN: B.F.
CHECKED: H.D.
DATE: 12-20
FIELD BOOK NO:

CROSS SECTION
66 TH AVENUE
 SOUTH OF S.R. 60 TO NORTH OF 57TH ST.

SHEET OF:	90 112
PROJECT NO.	A1053
IRC_JOB_NO.	1505



SUBSOIL EXC.		REGULAR EXC.		FILL	
A	V	A	V	A	V

		0	0		1,193
		0	0		242
		0	4		1,006
		0	2		301
		0	4		1,115
		0	0		301

- LEGEND
- 1 TOPSOIL (A-8)
 - 2 GRAY TO BROWN SAND (A-3)
 - 3 BROWN SAND WITH SHELL FRAGMENTS (A-3)
 - 4 BROWN SILTY SAND (A-2-4)
 - 5 BROWN SILTY SAND WITH SHELL FRAGMENTS (A-2-4)
 - 6 BROWN CLAYEY SAND (A-2-6)
 - 7 BROWN SANDY SILT (A-4)

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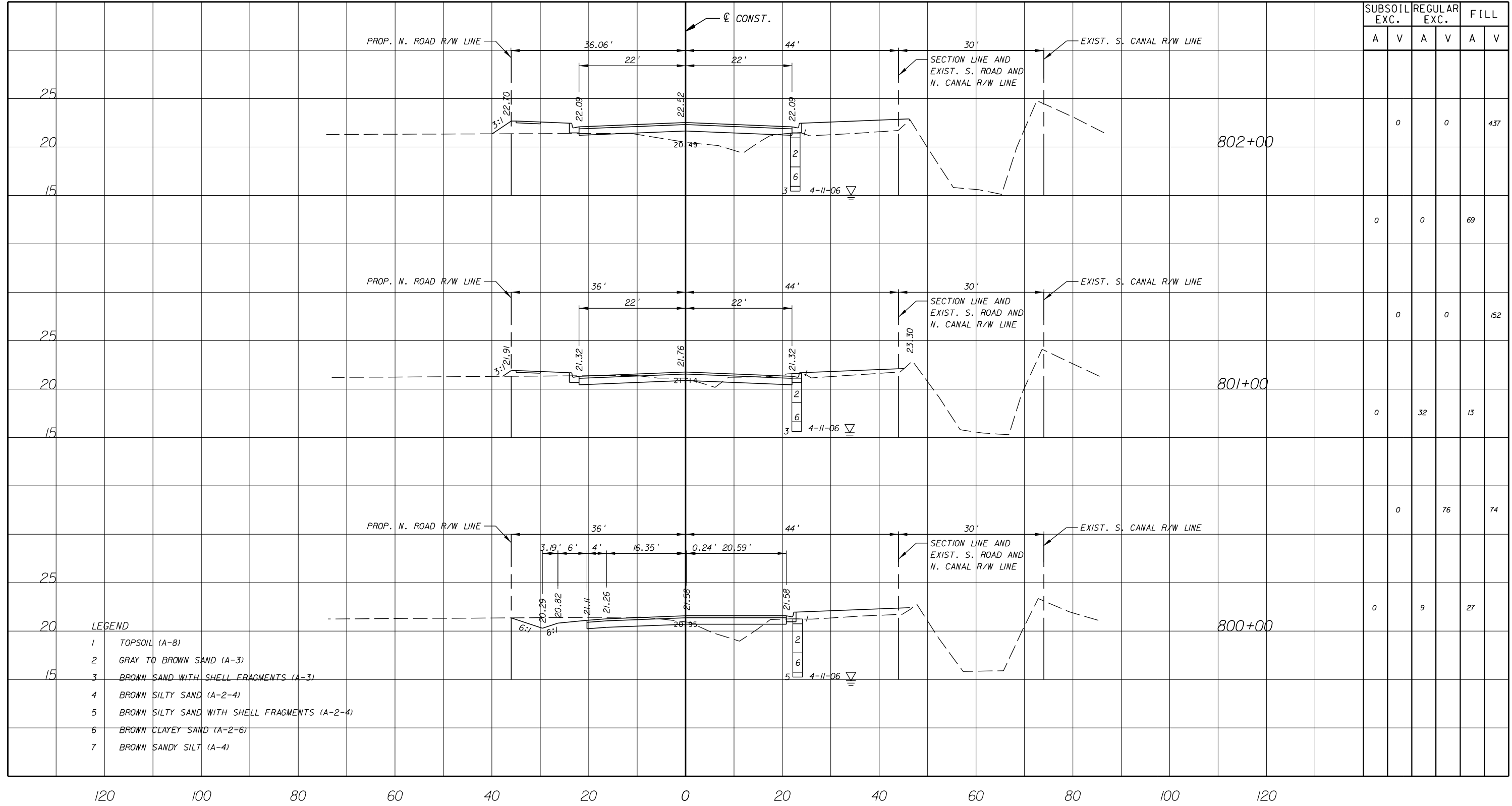
NO.	REVISION	BY	DATE

Department of Public Works
 Engineering Division

SCALE: H. 1"=20'
 V. 1"=10'
 APPROVED: B.F.
 DRAWN: B.F.
 CHECKED: H.D.
 DATE: 12-20
 FIELD BOOK NO:

CROSS SECTION
66 TH AVENUE
 SOUTH OF S.R. 60 TO NORTH OF 57TH ST.

SHEET	91
OF	112
PROJECT NO.	A1053
IRC_JOB_NO.	1505



LEGEND

- 1 TOPSOIL (A-8)
- 2 GRAY TO BROWN SAND (A-3)
- 3 BROWN SAND WITH SHELL FRAGMENTS (A-3)
- 4 BROWN SILTY SAND (A-2-4)
- 5 BROWN SILTY SAND WITH SHELL FRAGMENTS (A-2-4)
- 6 BROWN CLAYEY SAND (A-2-6)
- 7 BROWN SANDY SILT (A-4)



Department of Public Works
Engineering Division

SCALE: H: 1"=20'
V: 1"=10'
APPROVED: B.F.
DRAWN: B.F.
CHECKED: H.D.
DATE: 12-20
FIELD BOOK NO:

CROSS SECTION
66 TH AVENUE
53RD STREET

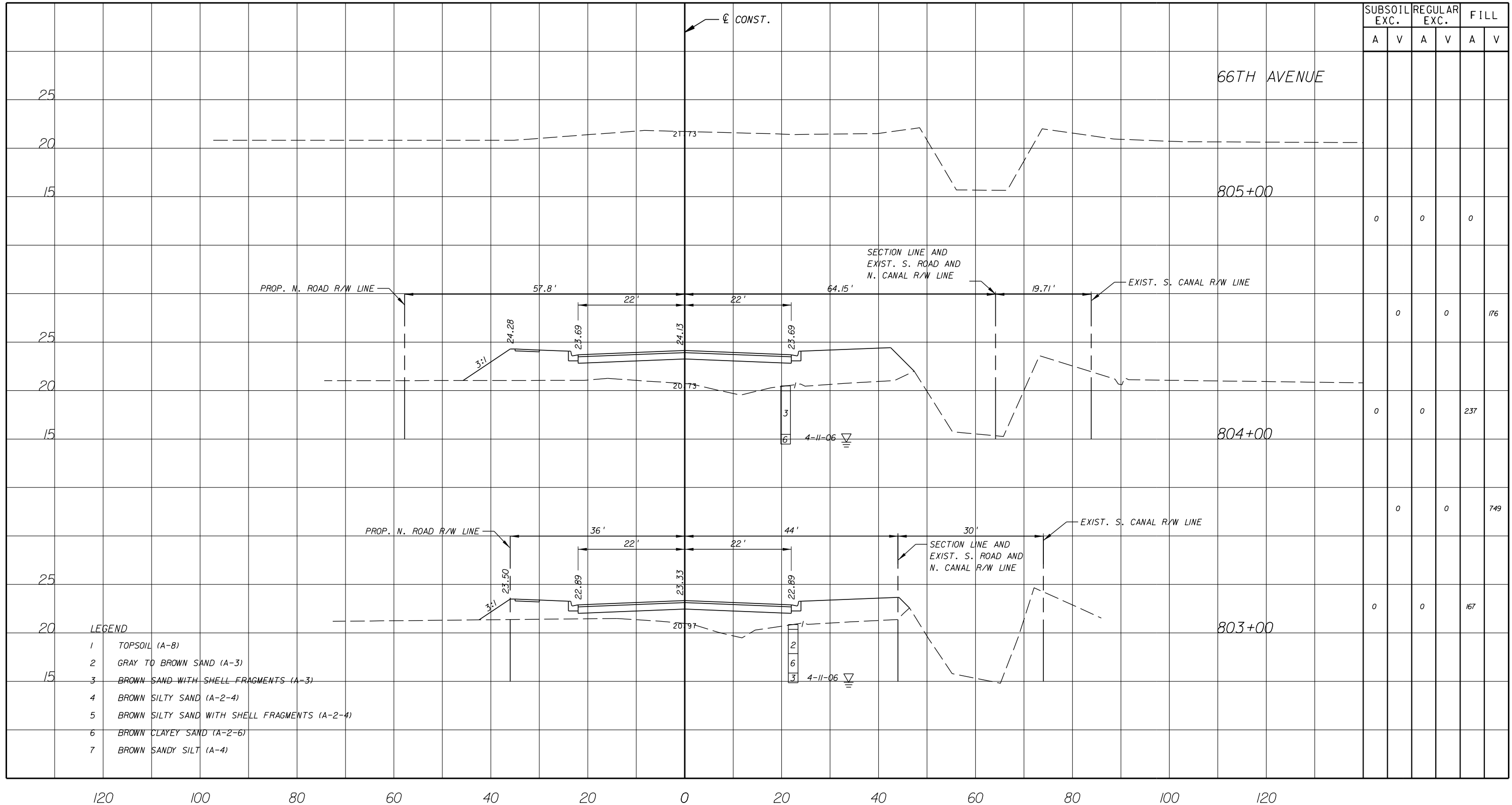
SHEET 96
OF 112
PROJECT NO. A1053
IRC_JOB_NO. 1505

GB310 / LC26000269



EB 7917 / LB 7062

NO.	REVISION	BY	DATE



SUBSOIL EXC.		REGULAR EXC.		FILL	
A	V	A	V	A	V

0		0		0	
0		0		176	
0		0		237	
0		0		749	
0		0		167	

- LEGEND**
- 1 TOPSOIL (A-8)
 - 2 GRAY TO BROWN SAND (A-3)
 - 3 BROWN SAND WITH SHELL FRAGMENTS (A-3)
 - 4 BROWN SILTY SAND (A-2-4)
 - 5 BROWN SILTY SAND WITH SHELL FRAGMENTS (A-2-4)
 - 6 BROWN CLAYEY SAND (A-2-6)
 - 7 BROWN SANDY SILT (A-4)

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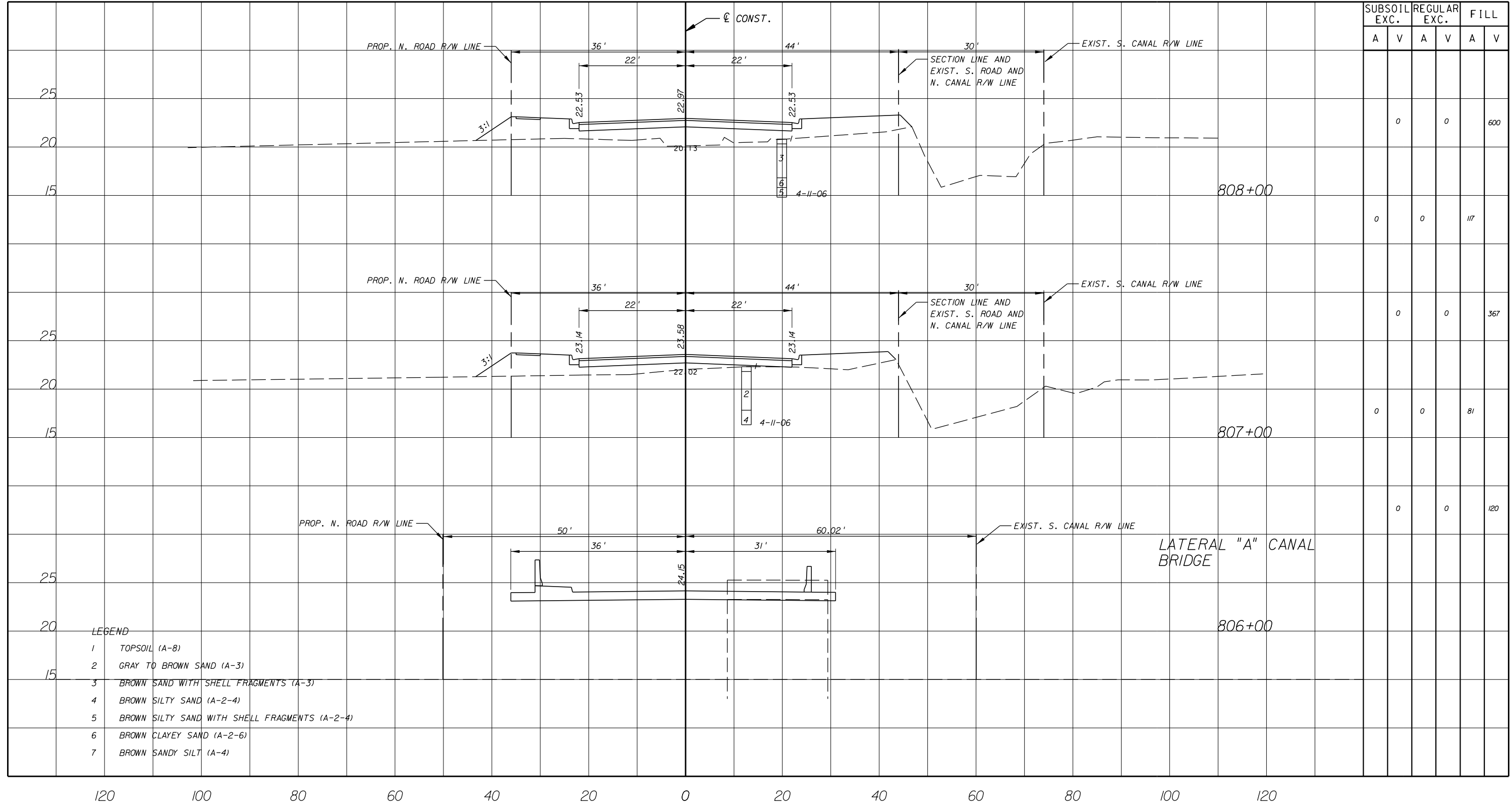
NO.	REVISION	BY	DATE

INDIAN RIVER COUNTY
 FLORIDA
 Department of Public Works
 Engineering Division

SCALE: H: 1"=20'
 V: 1"=10'
 APPROVED: B.F.
 DRAWN: B.F.
 CHECKED: H.D.
 DATE: 12-20
 FIELD BOOK NO:

CROSS SECTION
66 TH AVENUE
53RD STREET

SHEET	97
OF	112
PROJECT NO.	A1053
IRC_JOB_NO.	1505



LEGEND

- 1 TOPSOIL (A-8)
- 2 GRAY TO BROWN SAND (A-3)
- 3 BROWN SAND WITH SHELL FRAGMENTS (A-3)
- 4 BROWN SILTY SAND (A-2-4)
- 5 BROWN SILTY SAND WITH SHELL FRAGMENTS (A-2-4)
- 6 BROWN CLAYEY SAND (A-2-6)
- 7 BROWN SANDY SILT (A-4)

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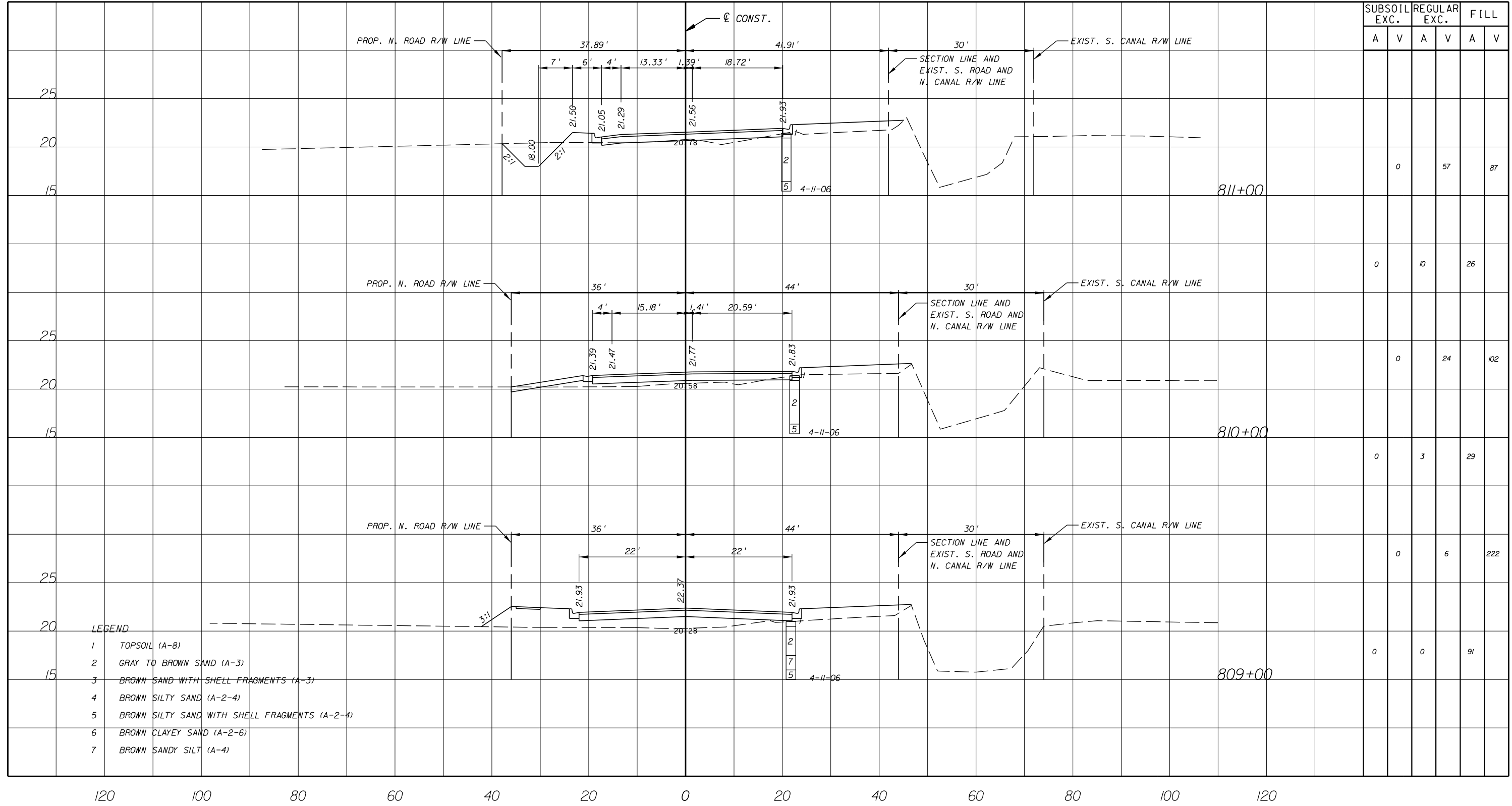


Department of Public Works
Engineering Division

SCALE: H: 1"=20'
 V: 1"=10'
 APPROVED: B.F.
 DRAWN: H.D.
 CHECKED: H.D.
 DATE: 12-20
 FIELD BOOK NO:

CROSS SECTION
66 TH AVENUE
53RD STREET

SHEET 98
 OF 112
 PROJECT NO. A1053
 IRC_JOB_NO. 1505



- LEGEND**
- 1 TOPSOIL (A-8)
 - 2 GRAY TO BROWN SAND (A-3)
 - 3 BROWN SAND WITH SHELL FRAGMENTS (A-3)
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EB 7917 / LB 7062

NO.	REVISION	BY	DATE

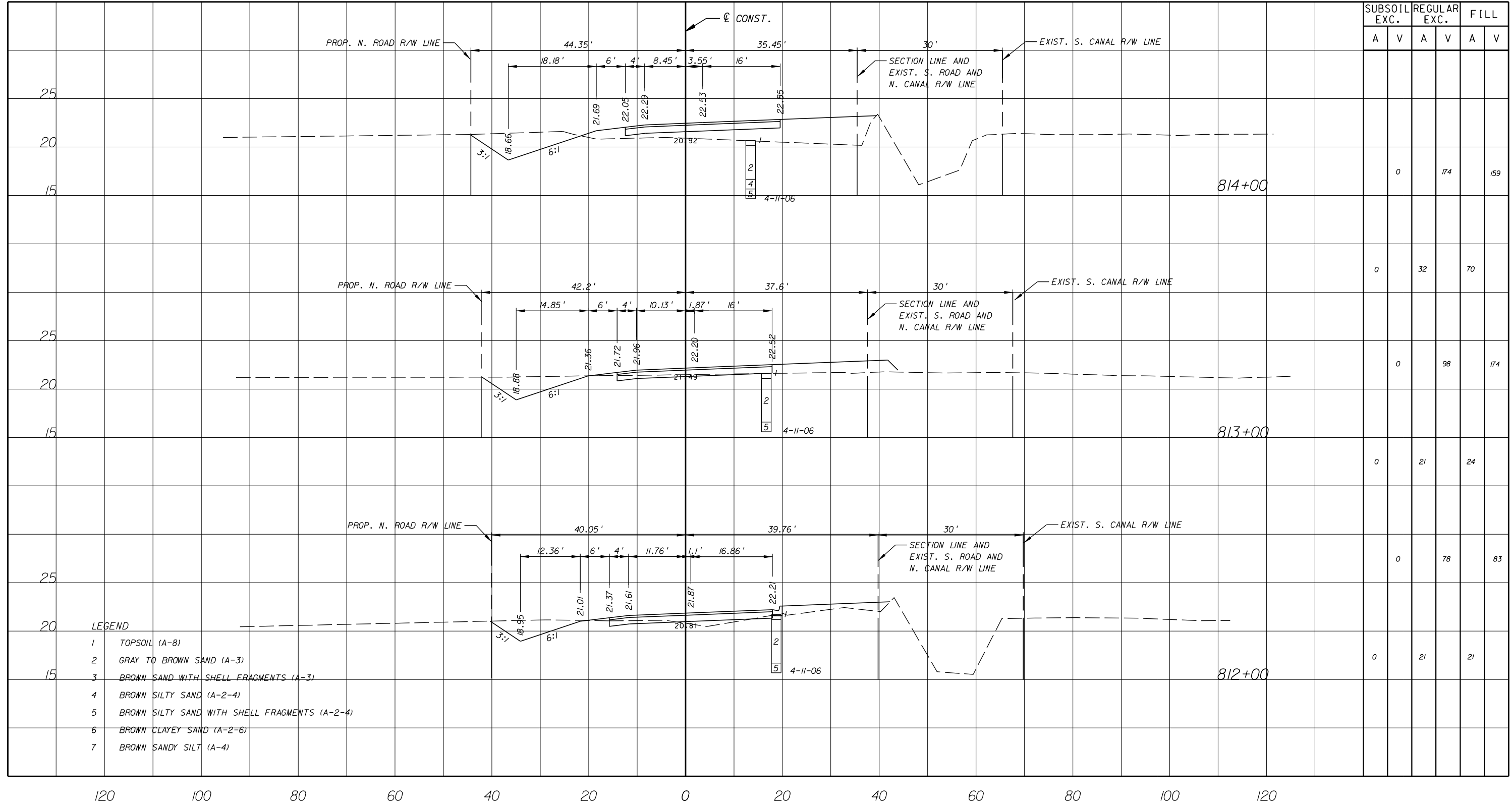


Department of Public Works
Engineering Division

SCALE: H: 1"=20'
V: 1"=10'
APPROVED: B.F.
DRAWN: B.F.
CHECKED: H.D.
DATE: 12-20
FIELD BOOK NO:

CROSS SECTION
66 TH AVENUE
53RD STREET

SHEET 99
OF 112
PROJECT NO. A1053
IRC_JOB_NO. 1505



SUBSOIL EXC.		REGULAR EXC.		FILL	
A	V	A	V	A	V
	0		174		159
0		32			70
	0		98		174
	0	21			24
	0	21			21

- LEGEND**
- 1 TOPSOIL (A-8)
 - 2 GRAY TO BROWN SAND (A-3)
 - 3 BROWN SAND WITH SHELL FRAGMENTS (A-3)
 - 4 BROWN SILTY SAND (A-2-4)
 - 5 BROWN SILTY SAND WITH SHELL FRAGMENTS (A-2-4)
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 - 7 BROWN SANDY SILT (A-4)

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EB 7917 / LB 7062

NO.	REVISION	BY	DATE

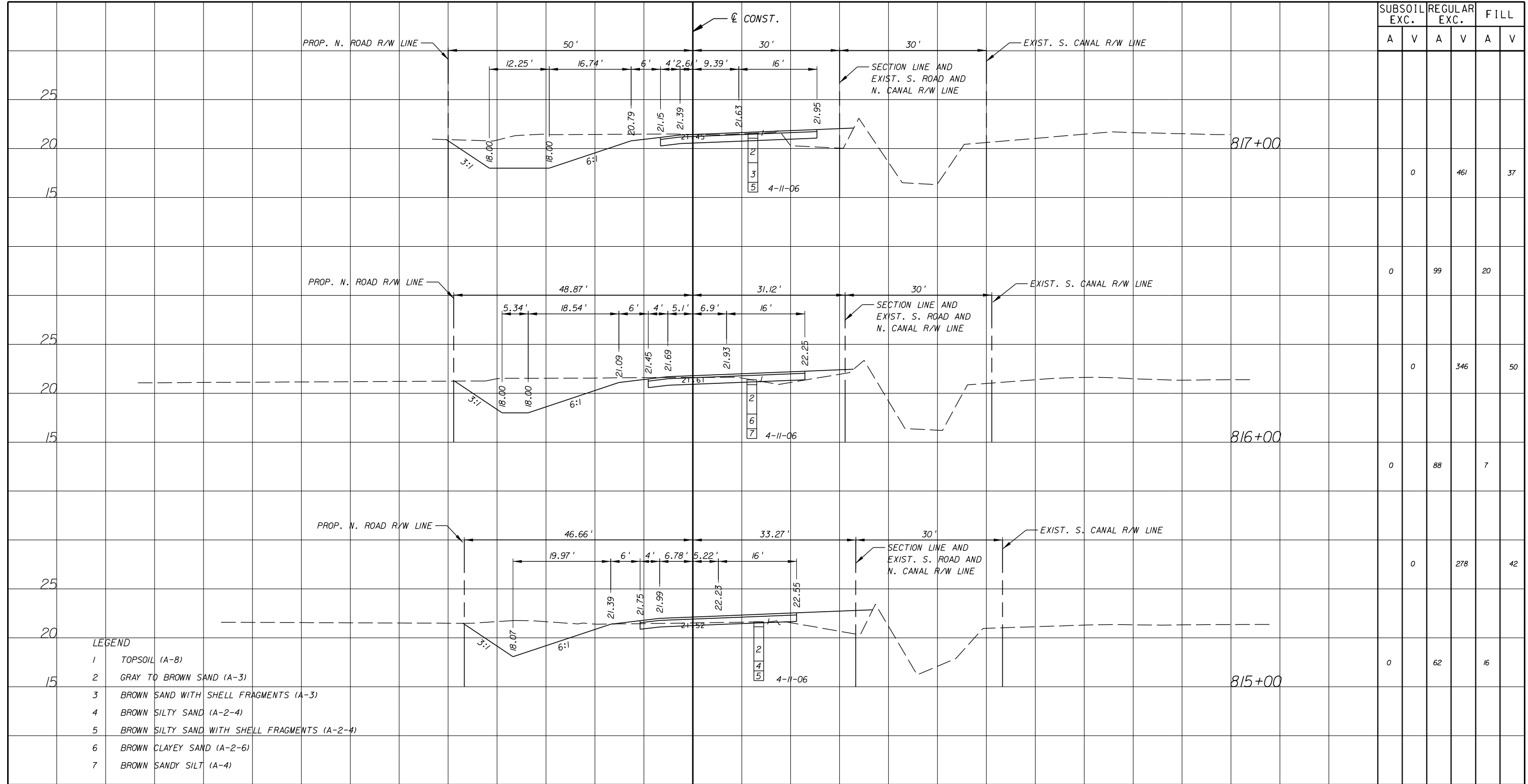


Department of Public Works
Engineering Division

SCALE: H: 1"=20'
V: 1"=10'
APPROVED: B.F.
DRAWN: H.D.
CHECKED: H.D.
DATE: 12-20
FIELD BOOK NO:

CROSS SECTION
66 TH AVENUE
53RD STREET

SHEET OF:	100 / 112
PROJECT NO.	A1053
IRC_JOB_NO.	1505



SUBSOIL EXC.		REGULAR EXC.		FILL	
A	V	A	V	A	V
	0		461		37
0		99		20	
	0		346		50
0		88		7	
	0		278		42
0		62		16	

GB310 / LC26000269



EB 7917 / LB 7062

NO.	REVISION	BY	DATE

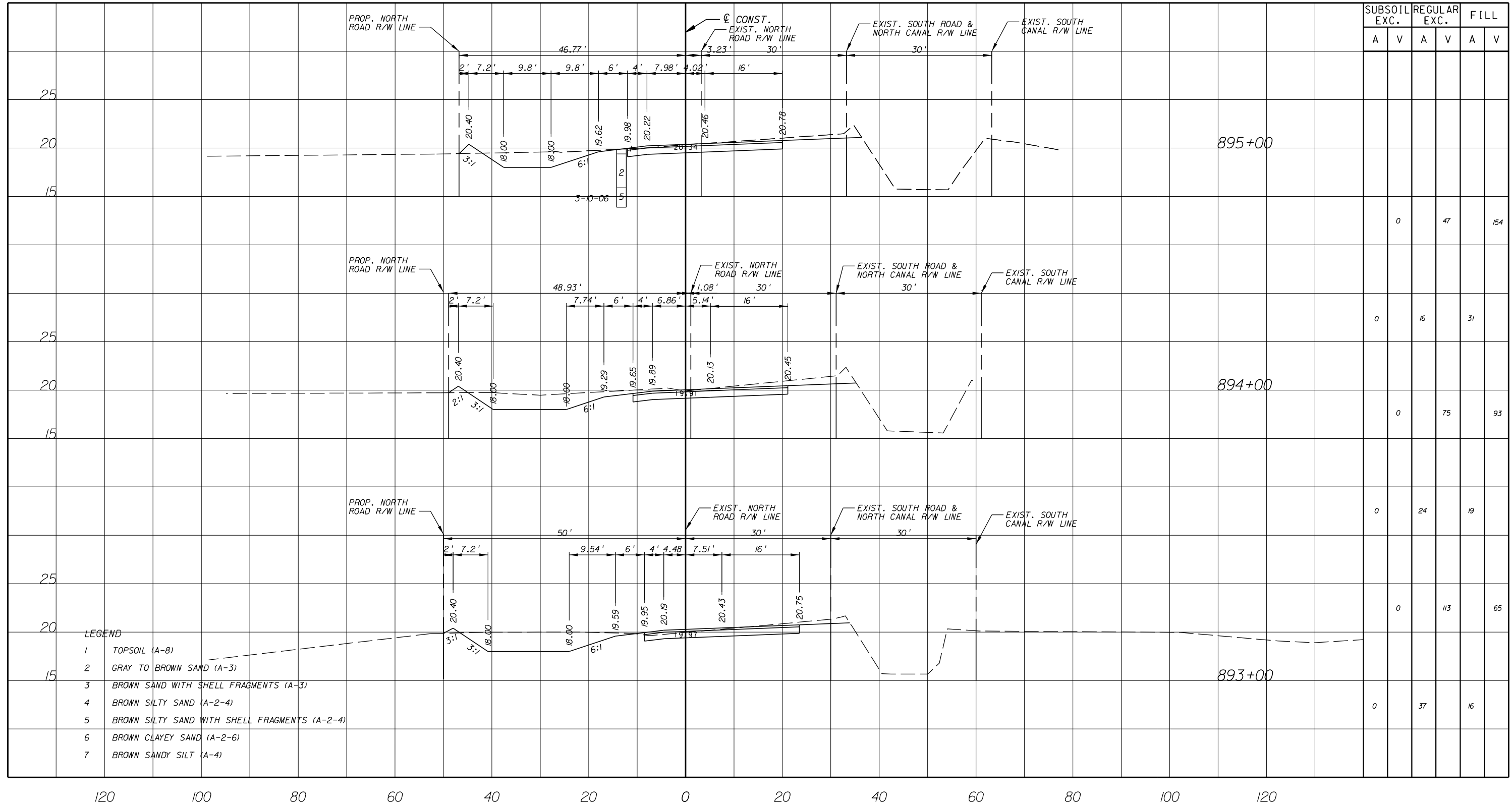


Department of Public Works
Engineering Division

SCALE: H: 1"=20'
V: 1"=10'
APPROVED: B.F.
DRAWN: H.D.
CHECKED: H.D.
DATE: 12-20
FIELD BOOK NO:

CROSS SECTION
66 TH AVENUE
53RD STREET

SHEET: 101
OF: 112
PROJECT NO. A1053
IRC_JOB_NO. 1505



- LEGEND**
- 1 TOPSOIL (A-8)
 - 2 GRAY TO BROWN SAND (A-3)
 - 3 BROWN SAND WITH SHELL FRAGMENTS (A-3)
 - 4 BROWN SILTY SAND (A-2-4)
 - 5 BROWN SILTY SAND WITH SHELL FRAGMENTS (A-2-4)
 - 6 BROWN CLAYEY SAND (A-2-6)
 - 7 BROWN SANDY SILT (A-4)

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NO.	REVISION	BY	DATE

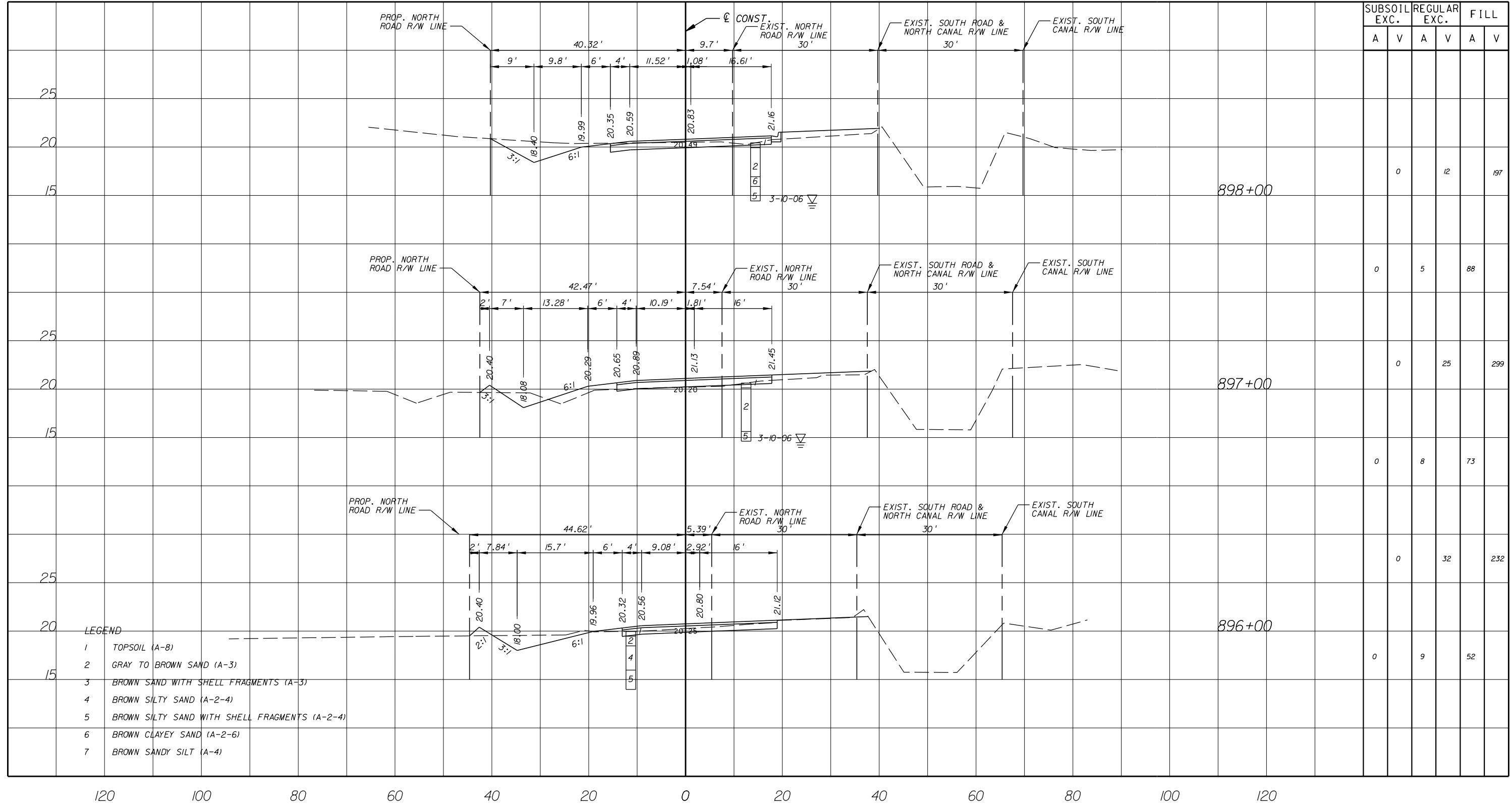


Department of Public Works
Engineering Division

SCALE: H: 1"=20'
V: 1"=10'
APPROVED: B.F.
DRAWN: H.D.
CHECKED: H.D.
DATE: 12-20
FIELD BOOK NO:

CROSS SECTION
66 TH AVENUE
57TH STREET

SHEET 104
OF 112
PROJECT NO. A1053
IRC_JOB_NO. 1505

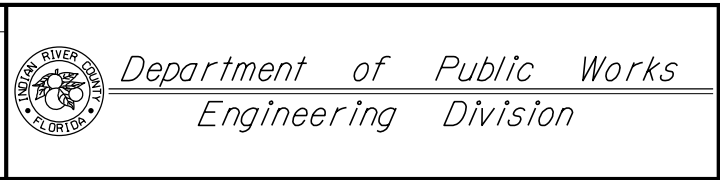


- LEGEND**
- 1 TOPSOIL (A-8)
 - 2 GRAY TO BROWN SAND (A-3)
 - 3 BROWN SAND WITH SHELL FRAGMENTS (A-3)
 - 4 BROWN SILTY SAND (A-2-4)
 - 5 BROWN SILTY SAND WITH SHELL FRAGMENTS (A-2-4)
 - 6 BROWN CLAYEY SAND (A-2-6)
 - 7 BROWN SANDY SILT (A-4)

120 100 80 60 40 20 0 20 40 60 80 100 120



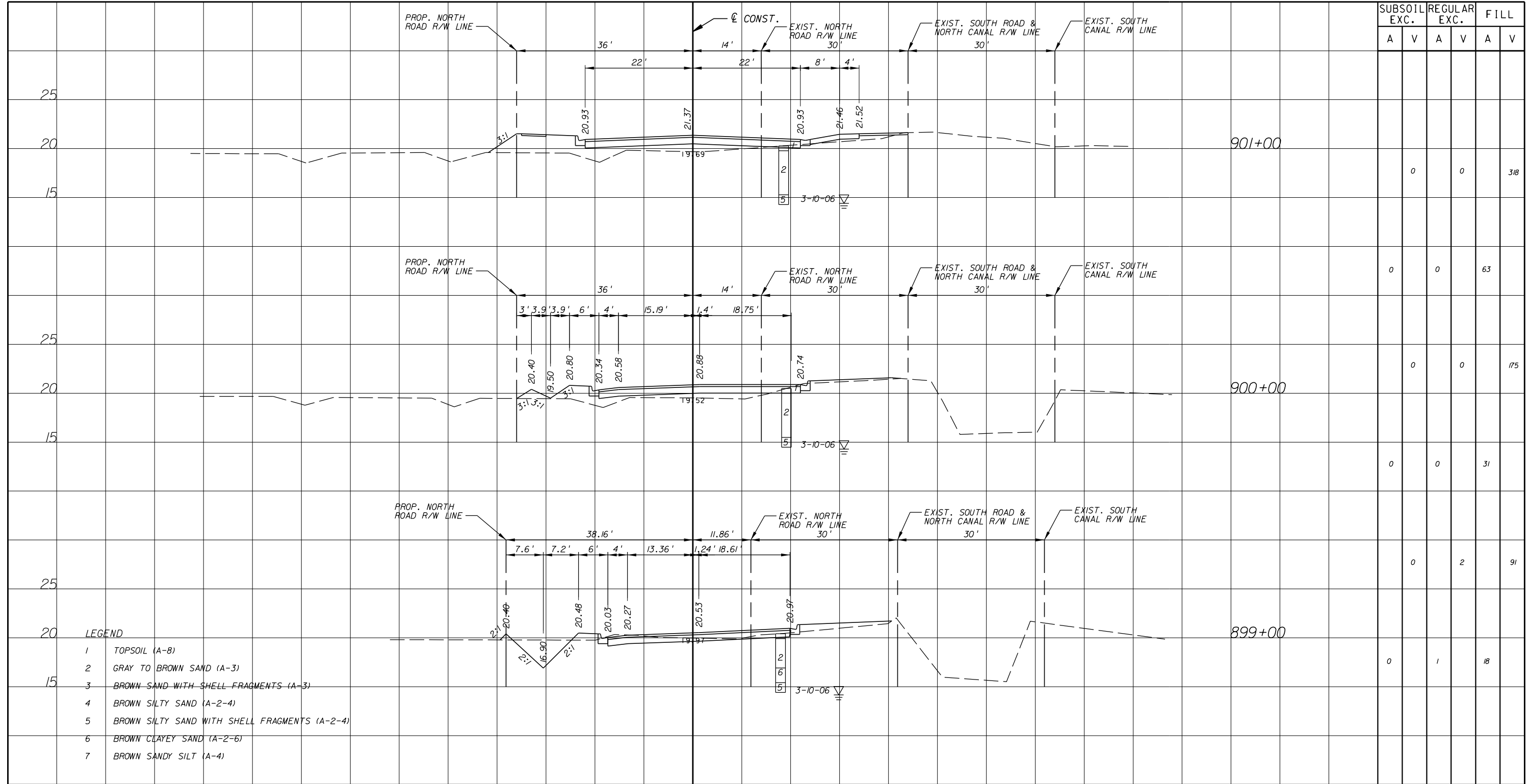
NO.	REVISION	BY	DATE



SCALE: H: 1"=20'
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 DATE: 12-20
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CROSS SECTION
66 TH AVENUE
57TH STREET

SHEET OF:	105 112
PROJECT NO.	A1053
IRC_JOB_NO.	1505



SUBSOIL EXC.		REGULAR EXC.		FILL	
A	V	A	V	A	V
	0		0		318
0		0			63
	0		0		175
	0		0		31
	0		2		91
	0		1		18

- LEGEND**
- 1 TOPSOIL (A-8)
 - 2 GRAY TO BROWN SAND (A-3)
 - 3 BROWN SAND WITH SHELL FRAGMENTS (A-3)
 - 4 BROWN SILTY SAND (A-2-4)
 - 5 BROWN SILTY SAND WITH SHELL FRAGMENTS (A-2-4)
 - 6 BROWN CLAYEY SAND (A-2-6)
 - 7 BROWN SANDY SILT (A-4)

120 100 80 60 40 20 0 20 40 60 80 100 120

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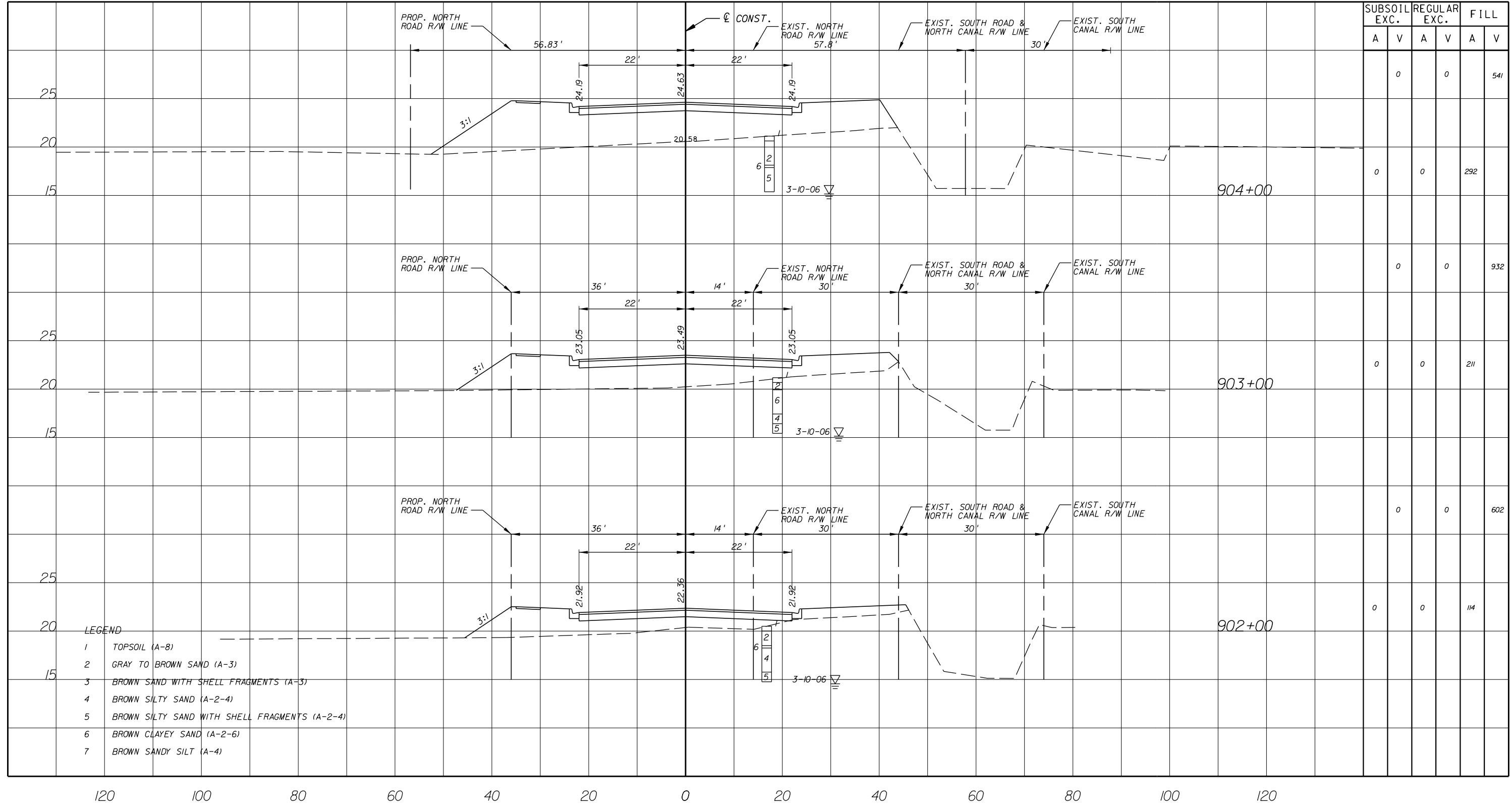
NO.	REVISION	BY	DATE

INDIAN RIVER COUNTY
 FLORIDA
 Department of Public Works
 Engineering Division

SCALE: H: 1"=20'
 V: 1"=10'
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 DRAWN: H.D.
 CHECKED: H.D.
 DATE: 12-20
 FIELD BOOK NO:

CROSS SECTION
66 TH AVENUE
57TH STREET

SHEET 106
 OF 112
 PROJECT NO. A1053
 IRC_JOB_NO. 1505



SUBSOIL EXC.		REGULAR EXC.		FILL	
A	V	A	V	A	V
	0		0		541
0		0			292
	0		0		932
0		0			211
	0		0		602
0		0			114

- LEGEND
- 1 TOPSOIL (A-8)
 - 2 GRAY TO BROWN SAND (A-3)
 - 3 BROWN SAND WITH SHELL FRAGMENTS (A-3)
 - 4 BROWN SILTY SAND (A-2-4)
 - 5 BROWN SILTY SAND WITH SHELL FRAGMENTS (A-2-4)
 - 6 BROWN CLAYEY SAND (A-2-6)
 - 7 BROWN SANDY SILT (A-4)

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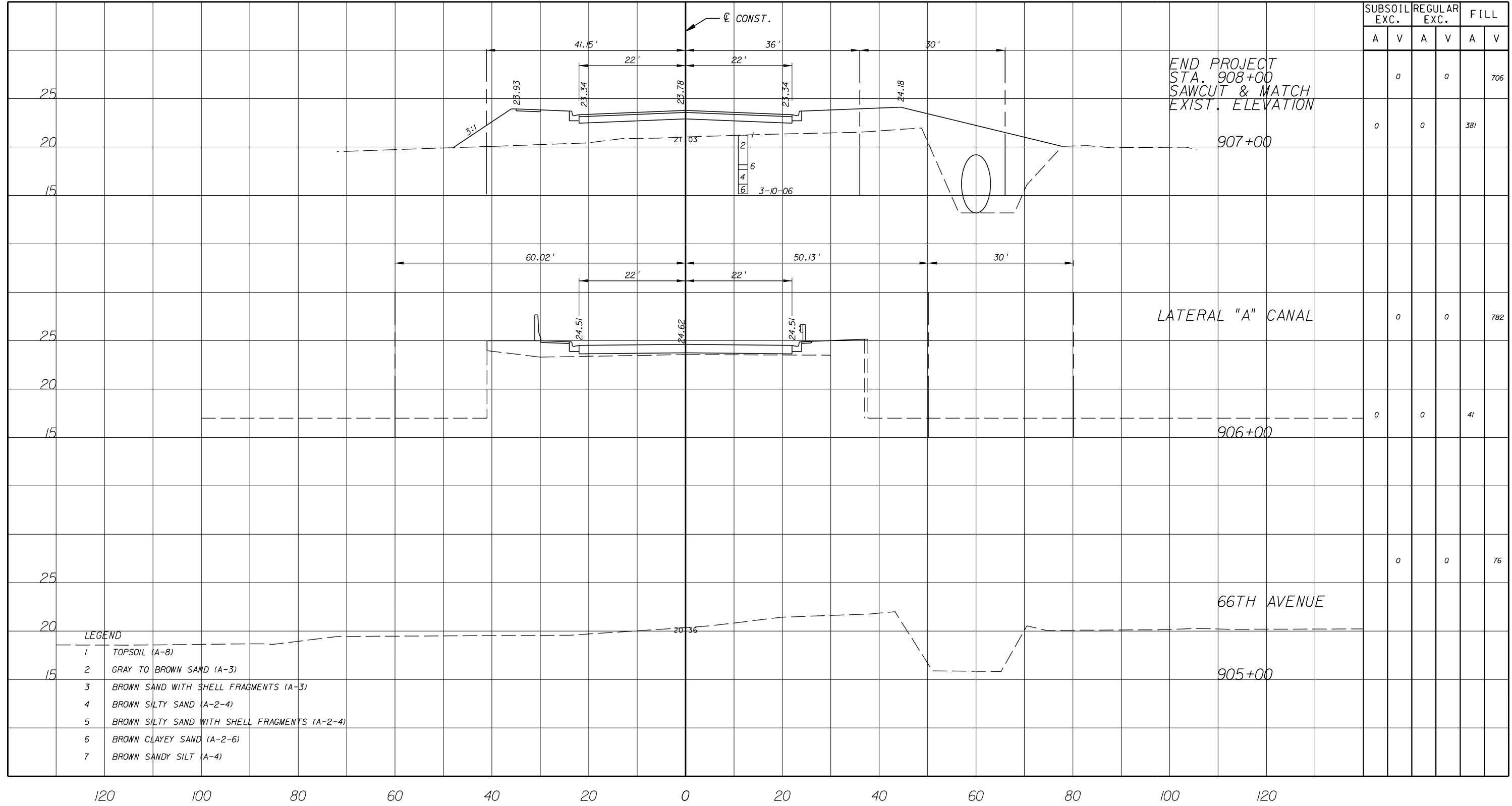
NO.	REVISION	BY	DATE

Department of Public Works
 Engineering Division

SCALE: H: 1"=20'
 V: 1"=10'
 APPROVED: B.F.
 DRAWN: H.D.
 CHECKED: H.D.
 DATE: 12-20
 FIELD BOOK NO.

CROSS SECTION
66 TH AVENUE
57TH STREET

SHEET	107
OF	112
PROJECT NO.	A1053
IRC_JOB_NO.	1505



LEGEND

- 1 TOPSOIL (A-8)
- 2 GRAY TO BROWN SAND (A-3)
- 3 BROWN SAND WITH SHELL FRAGMENTS (A-3)
- 4 BROWN SILTY SAND (A-2-4)
- 5 BROWN SILTY SAND WITH SHELL FRAGMENTS (A-2-4)
- 6 BROWN CLAYEY SAND (A-2-6)
- 7 BROWN SANDY SILT (A-4)

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EB 7917 / LB 7062

NO.	REVISION	BY	DATE



Department of Public Works
 Engineering Division

SCALE: H: 1"=20'
 V: 1"=10'
 APPROVED: _____
 DRAWN: B.F.
 CHECKED: H.D.
 DATE: 12-20
 FIELD BOOK NO: _____

CROSS SECTION
66 TH AVENUE
57TH STREET

SHEET: 108
 OF: 112
 PROJECT NO. A1053
 IRC_JOB_NO. 1505

N.P.D.E.S. STORMWATER POLLUTION PREVENTION PLAN

THE CONTRACTOR SHALL PREPARE AND PROVIDE INDIAN RIVER COUNTY WITH A SPECIAL PLAN FOR THE PREVENTION, CONTROL AND ABATEMENT OF EROSION AND WATER POLLUTION.

THIS PLAN SHALL BE PREPARED IN ACCORDANCE WITH THE GENERAL REQUIREMENTS AND/OR ANY SPECIAL CONDITIONS OF ALL PERMITS WHICH AUTHORIZE THE CONSTRUCTION OF THE PROJECT. IN THE EVENT THERE ARE NO PERMITS REQUIRED TO CONSTRUCT THE PROJECT, OR THE APPROVED PERMITS TO DO SPECIFICALLY ADDRESS EROSION AND WATER POLLUTION OR THEY DO NOT CONTROL SPECIAL CONDITIONS RELATING TO EROSION AND WATER POLLUTION, THE PROJECT STORMWATER POLLUTION PLAN FOR CONSTRUCTION ACTIVITIES SHALL BE GOVERNED BY FLORIDA DEPARTMENT OF TRANSPORTATION STANDARDS SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (2007) SUBARTICLES 7-1.1, 7-2.2, 7-8.2, AND ARTICLES 104.1 THROUGH 104.9.

THE CONTRACTOR'S PART OF THE SWPPP WILL INCLUDE HIS EROSION CONTROL AND STORMWATER MANAGEMENT PLAN DURING CONSTRUCTION AND ALL ADDITIONAL MEASURES HE WILL EMPLOY TO DISPOSE OF, CONTROL, OR OTHERWISE PREVENT THE DISCHARGE OF SOLID, HAZARDOUS, AND SANITARY WASTES TO WATERS OF THE U.S. PROCEDURES TO CONTROL ON-SITE TRACKING AND SPILLING OF SOIL BY VEHICLES AND CONSTRUCTION EQUIPMENT SHALL ALSO BE INCLUDED. THE CONTRACTOR SHALL INCLUDE A PROCEDURE FOR CLEANUP AND REPORTING OF NON-STORM WATER DISCHARGES SUCH AS CONTAMINATED GROUNDWATER AND ACCIDENTAL SPILLS OF CONTAMINANTS. THE CONTRACTOR'S PART OF SWPPP INCLUDING REQUIRED SIGNED CERTIFICATION STATEMENTS, SHALL BE FURNISHED TO AND APPROVED BY INDIAN RIVER COUNTY PRIOR TO INITIATION OF ANY SOIL DISTURBING ACTIVITIES.

THE SWPPP FOR CONSTRUCTION ACTIVITIES SHALL BE PREPARED IN ACCORDANCE WITH THE FORMAT AND GUIDELINES SET FORTH IN THE EPA DOCUMENT NUMBER 833-R-92-001, DATED OCTOBER 1992, TITLED "STORMWATER MANAGEMENT FOR CONSTRUCTION ACTIVITIES" AND THE CONTRACTOR'S PROPOSED SEQUENCE OF OPERATIONS. THE SWPPP FOR CONSTRUCTION ACTIVITIES SHALL DESCRIBE, BUT NOT BE LIMITED TO, THE FOLLOWING ITEMS OR ACTIVITIES:

NON-STORMWATER DISCHARGES

DEWATERING FOR UNDERGROUND FACILITIES INSTALLATION, POND CONSTRUCTION AND BUILDING FOUNDATIONS, WHEN NECESSARY, WILL BE DETAINED ONSITE WITHIN THE LAKE SYSTEM OR SMALL IMPOUNDMENTS AND MAY DISCHARGE FROM THE SITE UNDER EXTREME CONDITIONS. ANY DISCHARGE FROM THE SITE WILL REQUIRE FILTRATION AND TREATMENT PRIOR TO ENTERING THE OFFSITE CONVEYANCE SYSTEM AND SHALL MEET THE REQUIREMENTS OF THE STATE PERMITS FOR STORMWATER DISCHARGE AND DEWATERING ACTIVITIES FOR THE SITE. SPILL REPORTING FOR ITEMS SUCH AS OILS, FUEL, ETC. SHALL MEET THE REQUIREMENTS OF 40 CFR PART 117 AND 40 CFR PART 302. CLEANUP AND DISPOSAL OF ALL SPILLS SHALL MEET THE APPLICABLE REGULATORY AGENCY REQUIREMENTS AND SHALL BE HANDLED AND DISPOSED OF AS REQUIRED BY LAW.

CONTRACTOR SHALL PREPARE AND SUBMIT FOR THE ENGINEERS APPROVAL A PLAN FOR THE CONTROL AND ABATEMENT OF THE DISCHARGE OF TURBID WATERS FROM THE PROJECT SITE. THIS PLAN SHALL INCLUDE THE TYPE AND LOCATION OF ANY SETTLING BASINS, SETTLING TANKS, AND SWALES.

THE PERMITTEE SHALL TAKE TURBIDITY READINGS ONCE PER WEEK AT ALL POINTS OF DIRECT DISCHARGE INTO RIVERS, STREAMS, OR CANALS. A STATE CERTIFIED LABORATORY MUST ANALYZE THE SAMPLES COLLECTED FROM THE BACKSIDE OF THE APPROPRIATE TURBIDITY BARRIER, AND THE RESULTS SHALL BE SUBMITTED MONTHLY TO THE NEAREST ST. JOHNS RIVER WATER MANAGEMENT DISTRICT OFFICE. THE RESULTS MUST CONTAIN THE FOLLOWING INFORMATION THAT MUST BE SUBMITTED AT PROJECT COMPLETION:

- A. NAME OF PERSON SAMPLING.
- B. DATE AND TIME SAMPLE WAS TAKEN.
- C. LOCATION OF SAMPLE POINT.
- D. TIME AT WHICH TURBIDITY WAS MEASURED.
- E. TURBIDITY READING IN NTU'S.
- F. THE PERMIT TRACKING NUMBER.

THE PERMITTEE SHALL IMPLEMENT THE FOLLOWING TURBIDITY CONTROL MEASURES, AS APPROPRIATE, FOR ANY DISCHARGES OFF-SITE:

- A. IF THE DISCHARGE IS TO BE TO A DRAINAGE SYSTEM EITHER PIPE WATER DIRECTLY INTO THE DRAINAGE STRUCTURE; OR IF THE DISCHARGE WILL BE THROUGH A SWALE, OR OVERLAND, TO A STRUCTURE OR WATER BODY, THEN THE PATH OF DISCHARGE SHALL BE LINED WITH VISQUEEN PLASTIC, SOD, OR HAY BALES APPROPRIATELY TO PREVENT A TURBID DISCHARGE TO THE STRUCTURE OR WATER BODY.
- B. IF WATER WILL DISCHARGE TO AN OPEN WATER BODY, APPROPRIATE FABRIC SILT SCREEN OR HAY BALES SHALL BE USED TO PREVENT TURBID DISCHARGES. WHEN POSSIBLE, ESTABLISH A DETENTION AREA TO ALLOW SUSPENDED SOLIDS TO SETTLE PRIOR TO ENTERING THE WATER BODY.
- C. IF THE ABOVE TURBIDITY CONTROL MEASURES ARE INADEQUATE TO RETAIN SEDIMENT ON-SITE AND PREVENT TURBID DISCHARGE, THE PERMITTEE SHALL SELECT, IMPLEMENT, AND OPERATE SUCH ADDITIONAL OR MODIFIED EROSION AND SEDIMENT CONTROL MEASURES NECESSARY TO PREVENT VIOLATIONS OF WATER QUALITY STANDARDS AS SPECIFIED IN CHAPTER 62-302, F.A.C..

1. FOR EACH PHASE OF CONSTRUCTION OPERATIONS OR ACTIVITIES, THE CONTRACTOR SHALL SUPPLY THE FOLLOWING INFORMATION:
 - A. LOCATIONS OF ALL EROSION CONTROL DEVICES.
 - B. TYPES OF ALL EROSION CONTROL DEVICES.
 - C. ESTIMATE LENGTH OF TIME EROSION CONTROL DEVICES WILL BE IN OPERATION.
 - D. MONITORING SCHEDULES FOR MAINTENANCE OF EROSION CONTROL DEVICES.
 - E. METHOD OF MAINTENANCE EROSION CONTROL DEVICES.
 - F. METHODS OF CONTAINMENT OR REMOVAL OR POLLUTANTS OR HAZARDOUS WASTES.
 - G. METHODS FOR THE CONTROL OF TURBIDITY DURING EXCAVATION AND DEWATERING OF THE PROJECT INCLUDING SETTLING BASINS, SWALES, AND TURBIDITY BARRIERS.

2. THE CONTRACTOR SHALL FURNISH THE ENGINEER THE NAME AND TELEPHONE NUMBER OF THE PERSON WHO WILL BE RESPONSIBLE FOR MONITORING AND MAINTAINING THE EROSION CONTROL DEVICES.
3. THE CONTRACTOR SHALL SUBMIT A COPY OF HIS SWPPP FOR CONSTRUCTION ACTIVITIES TO THE ENGINEER FOR HIS REVIEW AND APPROVAL ON OR BEFORE THE PROJECT PRECONSTRUCTION MEETING.

NO CONSTRUCTION ACTIVITIES SHALL COMMENCE UNTIL THE SWPPP FOR CONSTRUCTION ACTIVITIES HAS BEEN REVIEWED AND APPROVAL RECEIVED FROM THE ENGINEER.

THE CONTRACTOR SHALL SUBMIT TWO (2) COPIES OF THE APPROVED SWPPP FOR CONSTRUCTION ACTIVITIES TO THE ENGINEER AND ONE (1) COPY OF THE APPROVED SWPPP FOR CONSTRUCTION ACTIVITIES TO INDIAN RIVER COUNTY PRIOR TO THE BEGINNING OF CONSTRUCTION.

4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING, MONITORING AND MODIFYING THE SWPPP FOR CONSTRUCTION ACTIVITIES TO MEET CHANGING PROJECT SITE CONDITIONS.
5. THE CONTRACTOR SHALL MAINTAIN A COPY OF THE APPROVED SWPPP FOR CONSTRUCTION ACTIVITIES AT A CENTRAL LOCATION ON THE PROJECT SITE AT ALL TIMES AND BE RESPONSIBLE FOR COMPLIANCE WITH THE APPROVED SWPPP FOR CONSTRUCTION ACTIVITIES.
6. FULL PAYMENT FOR ALL WORK AND MATERIALS NECESSARY FOR PREPARATION, SUBMITTAL AND SUBSEQUENT MODIFICATION OF THE CONTRACTOR'S SWPPP FOR CONSTRUCTION ACTIVITIES AND FOR IMPLEMENTING IT DURING CONSTRUCTION SHALL BE INCLUDED IN THE MOBILIZATION PAY ITEM (L.S.).
7. THE CONTRACTOR SHALL UTILIZE TEMPORARY & PERMANENT EROSION CONTROL MEASURES AND DEVICES AS SHOWN IN THE FDOT STANDARD INDEX NUMBERS 104 AND 105 DURING CONSTRUCTION OF THE PROJECT.
8. NATURAL OR STRAW HAY BALES ARE NOT RECOGNIZED AS A BMP BY INDIAN RIVER COUNTY AND SHALL NOT BE USED ON THE PROJECT.

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NO.	REVISION	BY	DATE

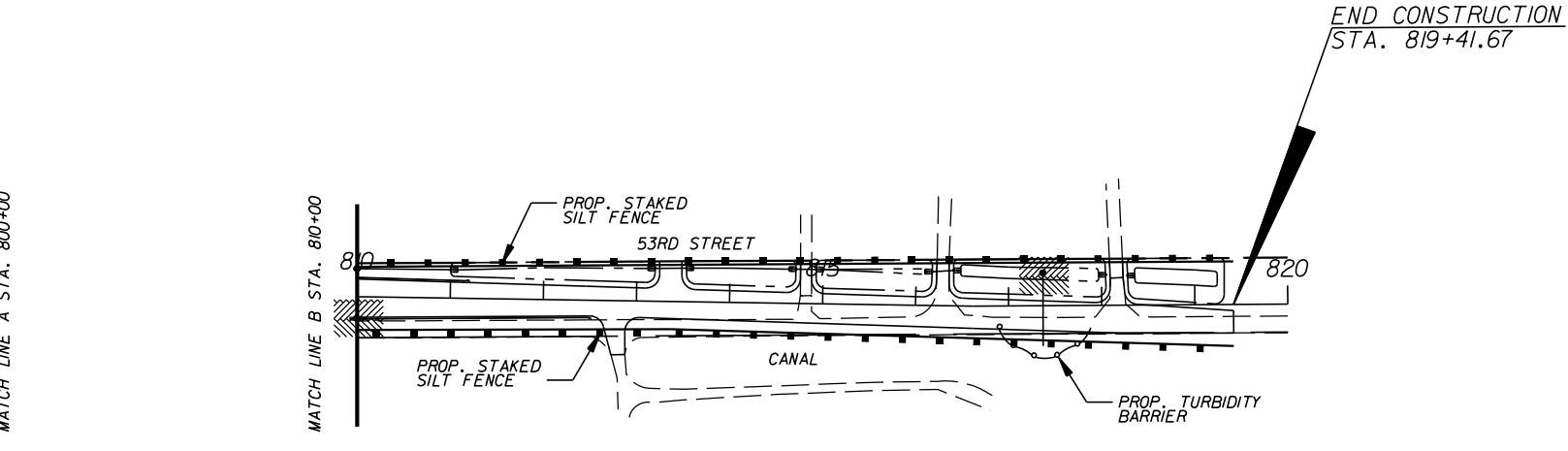
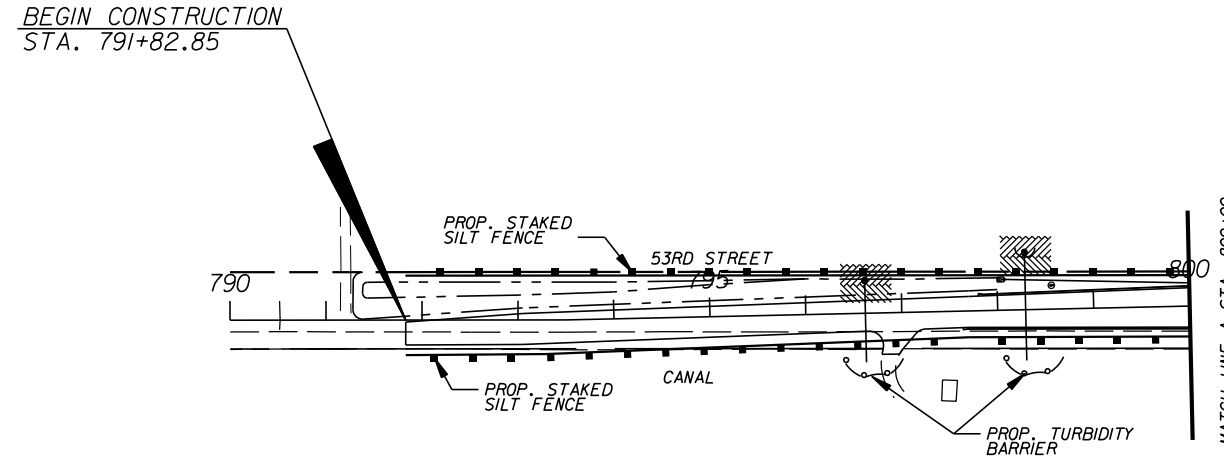
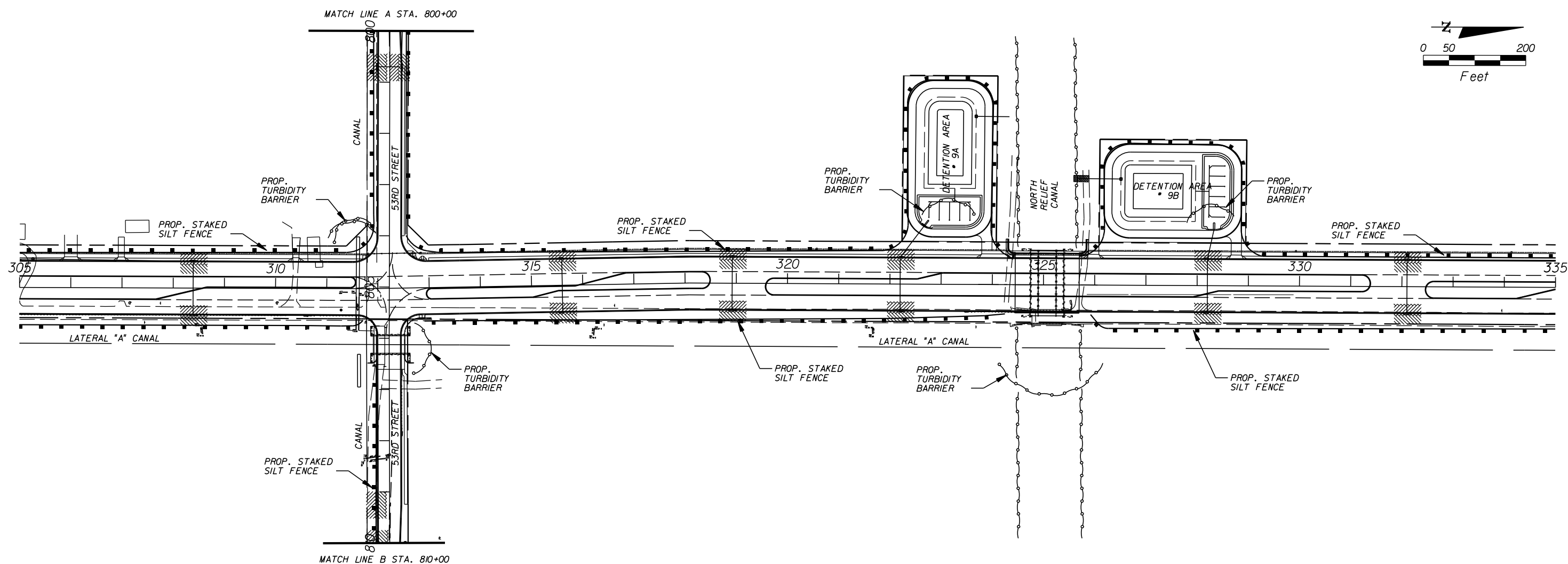
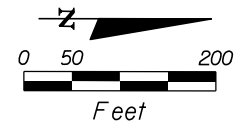


Department of Public Works
Engineering Division

SCALE: N.T.S.
APPROVED:
DRAWN: B.F.
CHECKED: H.D.
DATE: 12-20
FIELD BOOK NO:

STORM WATER POLLUTION PREVENTION	
66 TH AVENUE	
SOUTH OF S.R. 60 TO NORTH OF 57TH ST.	

SHEET	109
OF	112
PROJECT NO.	A1053
IRC_JOB_NO.	1505



INLET PROTECTION BARRIER SYSTEM TYPICAL ALL INLETS

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 (561) 697-7000, FAX (561) 697-7751

NO.	REVISION	BY	DATE

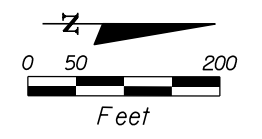
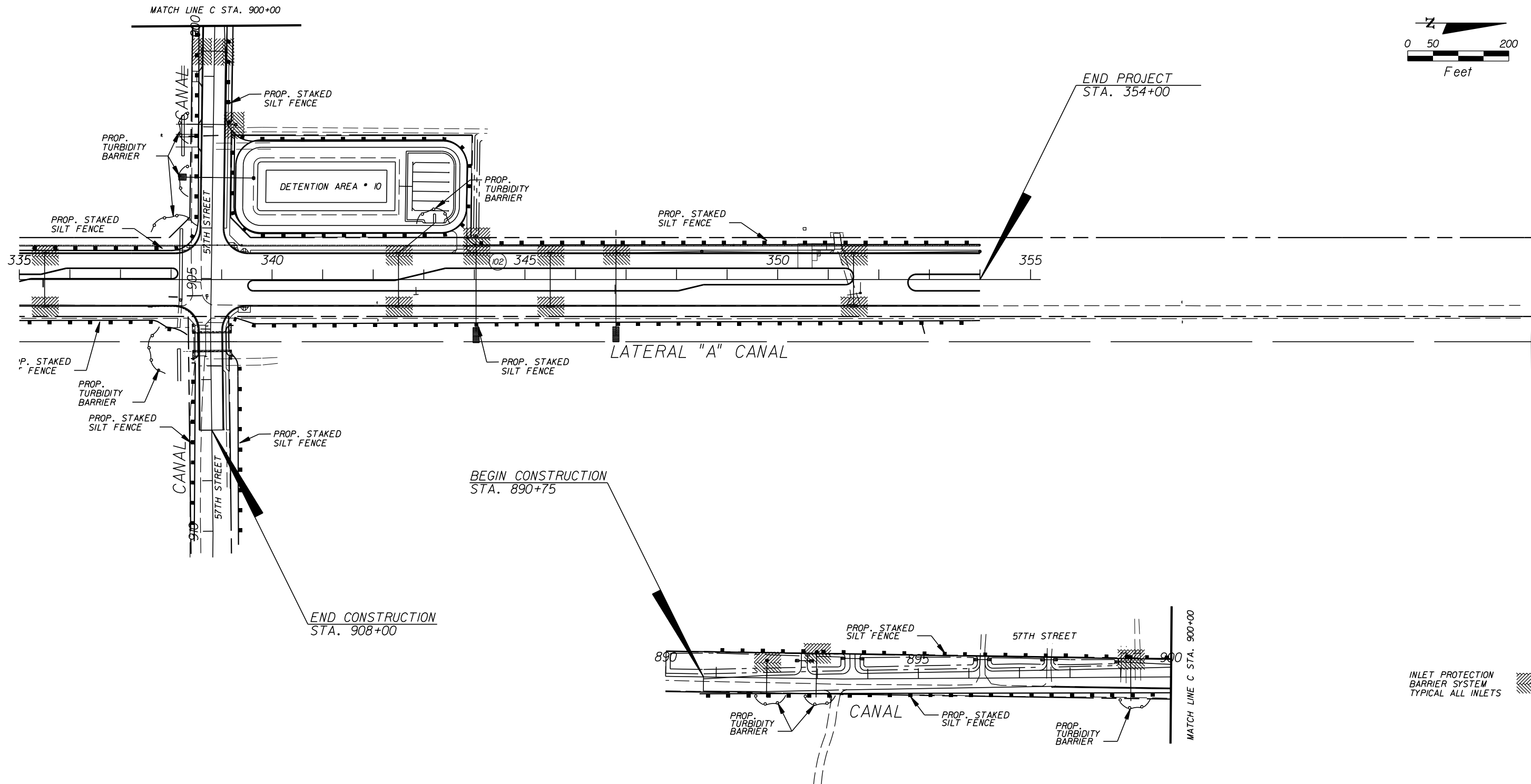


Department of Public Works
 Engineering Division

SCALE: 1" = 200'
 APPROVED: _____
 DRAWN: B.F.
 CHECKED: H.D.
 DATE: 12-20
 FIELD BOOK NO: _____

STORM WATER POLLUTION PREVENTION
66 TH AVENUE
 SOUTH OF S.R. 60 TO NORTH OF 57TH ST.

SHEET 111 OF 112
 PROJECT NO. A1053
 IRC_JOB_NO. 1505



08310 / LC26000269

ARCADIS U.S., INC.
2081 VISTA PARKWAY, WEST PALM BEACH, FL 33411
(561) 697-7000, FAX (561) 697-7751

NO.	REVISION	BY	DATE

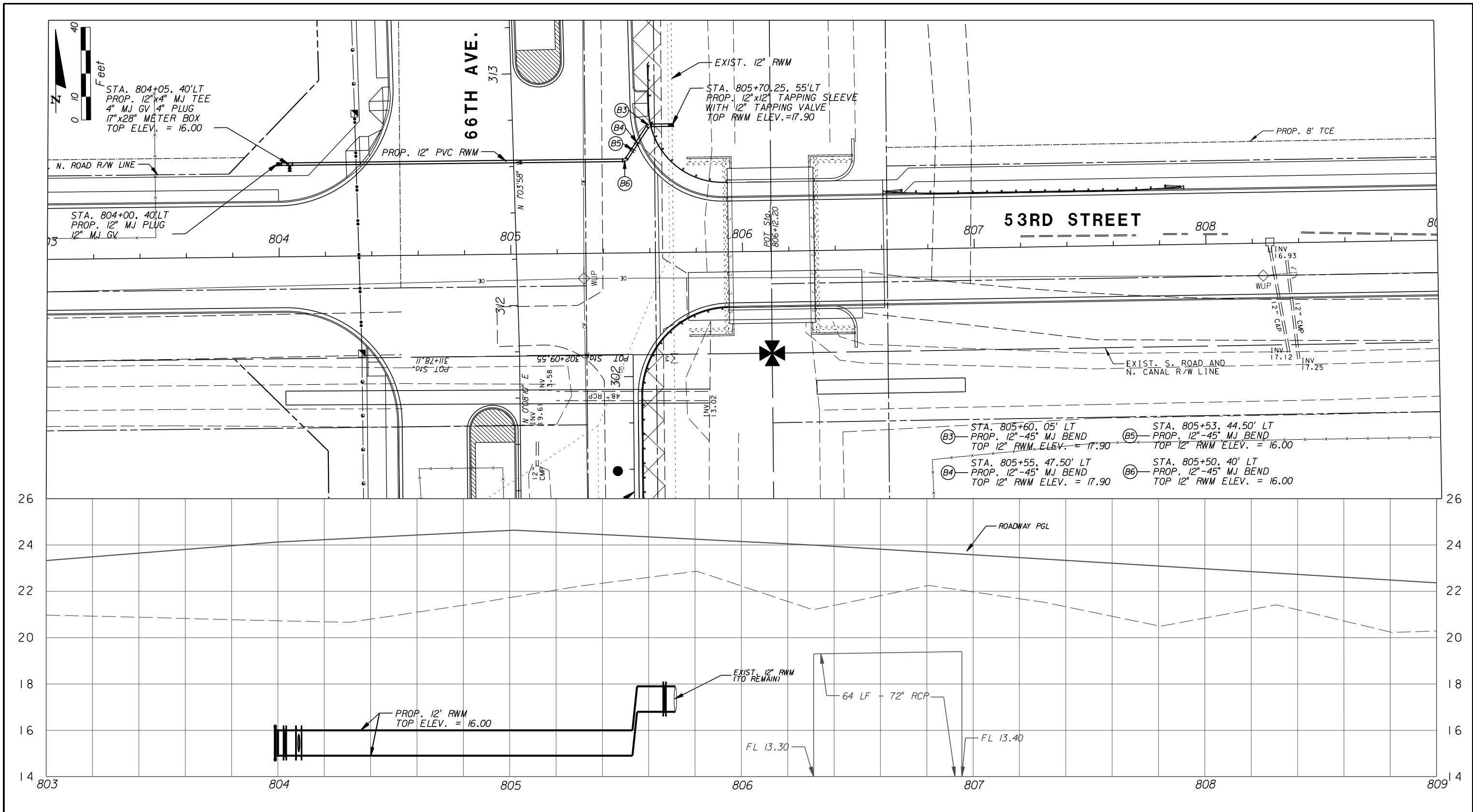


Department of Public Works
Engineering Division

SCALE: 1" = 200'
APPROVED:
DRAWN: B.F.
CHECKED: H.D.
DATE: 12-20
FIELD BOOK NO:

STORM WATER POLLUTION PREVENTION
66 TH AVENUE
SOUTH OF S.R. 60 TO NORTH OF 57TH ST.

SHEET 112
OF 112
PROJECT NO. A1053
IRC_JOB_NO. 1505



ARCADIS U.S., INC.
 1500 GATEWAY BLVD. SUITE 200, BOYNTON BEACH, FL 33426
 (561) 697-7000, FAX (561) 369-4731

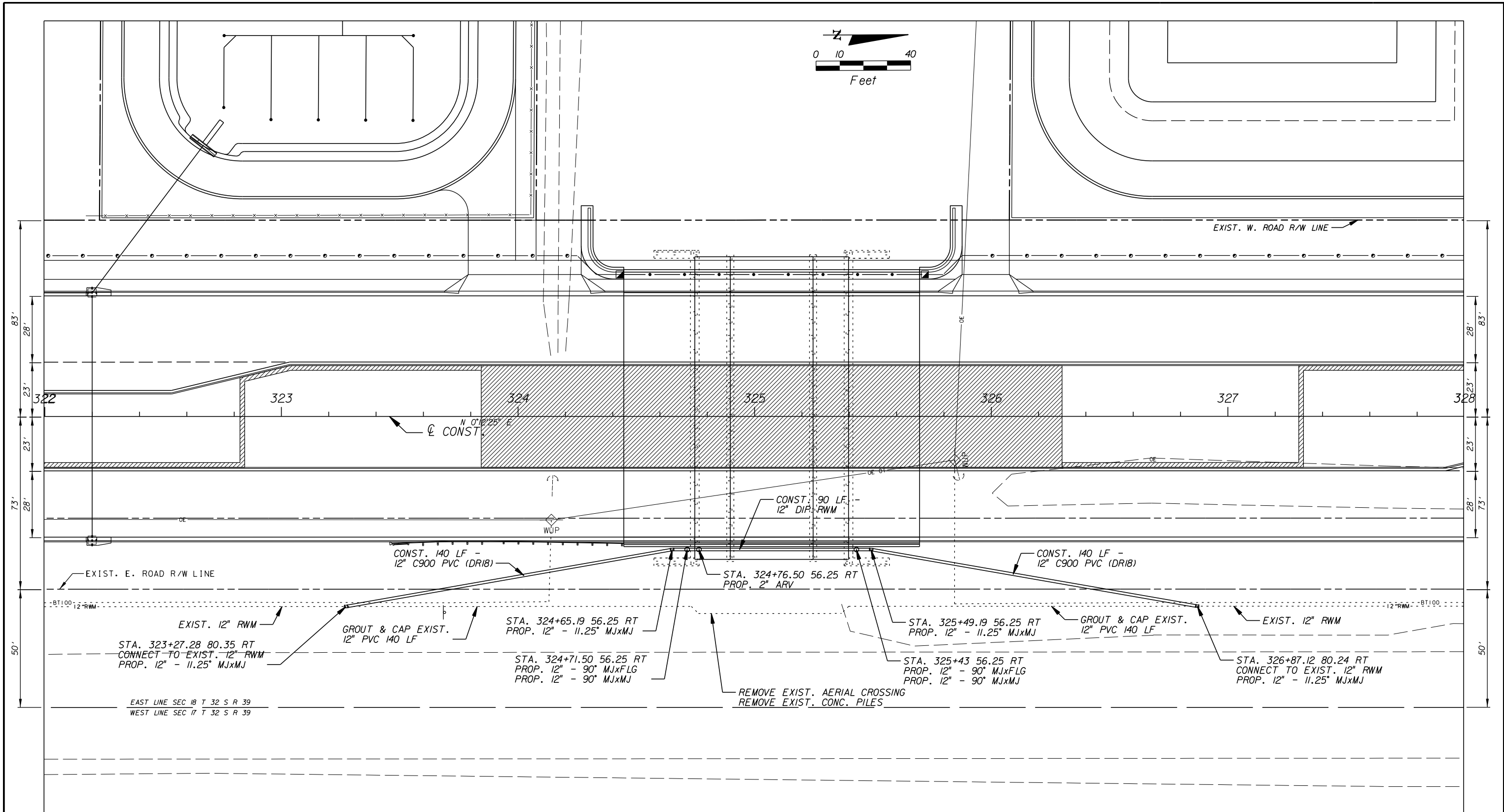
NO.	REVISION	BY	DATE

Department of Public Works
 Engineering Division

SCALE:	1" = 40'
APPROVED:	HWD
DRAWN:	FM
CHECKED:	FM
DATE:	12-20
FIELD BOOK NO.:	

UTILITY PLAN AND PROFILE
53RD STREET
66TH AVENUE-PHASE 1A

SHEET:	UT-1
OF:	UT-3
PROJECT NO.:	A1053
IRC_JOB_NO.:	



08310 / LC26000269

1500 GATEWAY BLVD. SUITE 200, BOYNTON BEACH, FL 33426
(561) 697-7000, FAX (561) 369-4731

NO.	REVISION	BY	DATE

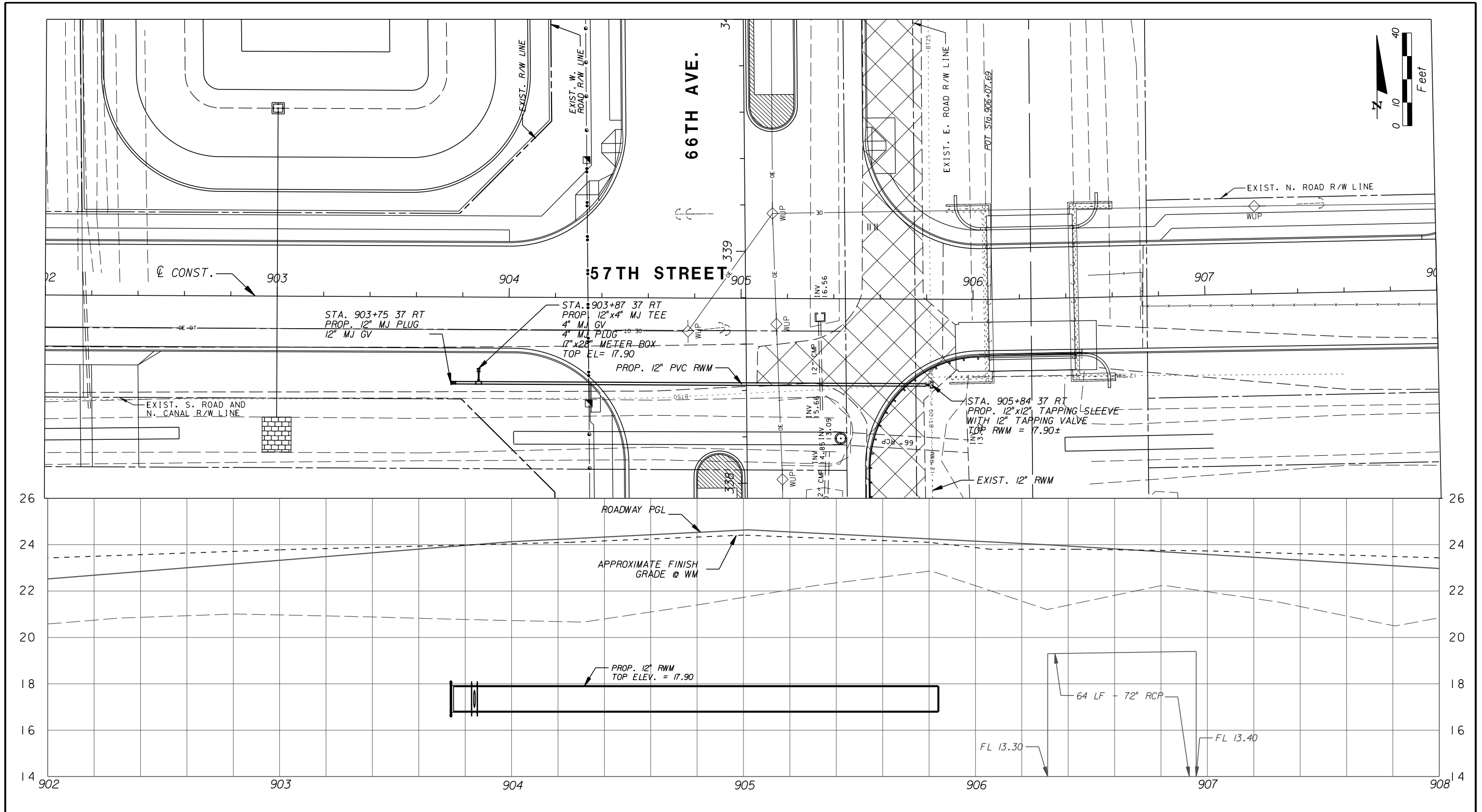
EB 7917 / LB 7062

Department of Public Works
Engineering Division

SCALE: 1"=40'
APPROVED: HWD
DRAWN: FM
CHECKED: FM
DATE: 12-20
FIELD BOOK NO:


UTILITY PLAN
NORTH RELIEF CANAL
66TH AVENUE-PHASE 1A

SHEET: UT-2
OF: UT-3
PROJECT NO. A1053
IRC_JOB_NO.




ARCADIS U.S., INC.
 1500 GATEWAY BLVD. SUITE 200, BOYNTON BEACH, FL 33426
 (561) 697-7000, FAX (561) 369-4731

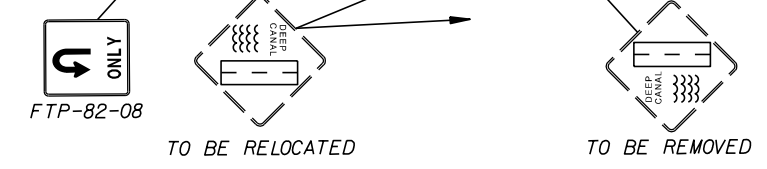
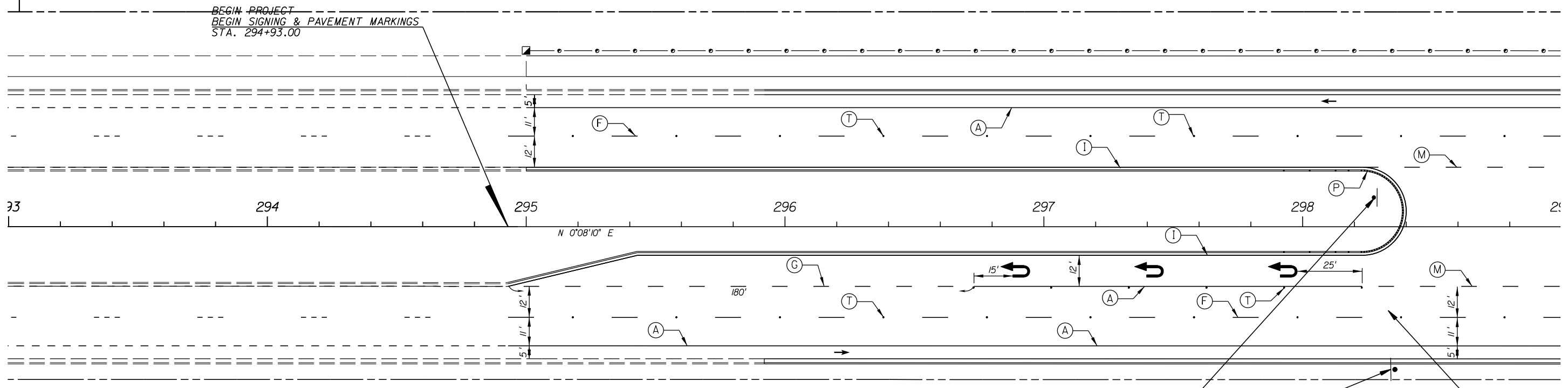
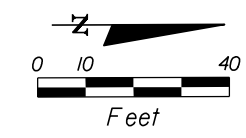
NO.	REVISION	BY	DATE


 Department of Public Works
 Engineering Division

SCALE:	1" = 40'
APPROVED:	HWD
DRAWN:	FM
CHECKED:	FM
DATE:	12-20
FIELD BOOK NO.:	

UTILITY PLAN AND PROFILE
57TH STREET
66TH AVENUE-PHASE 1A

SHEET:	UT-3
OF:	UT-3
PROJECT NO.:	A1053
IRC_JOB_NO.:	



Signs and pavement markings are to conform to The Manual on Uniform Traffic Control Devices and the Indian River County Typical Drawing for Roadway Signing, Striping & Geometrics.

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Raised reflective pavement markers (RPM's) are to consist of 4-inch square mono-directional white and bi-directional yellow.

Lane line RPM's on the 4 (or more) lane portion of any divide roadway shall be bi-directional white/red.

RPM's shall be positioned in accordance with fdot Index # 17352 and this plan.

STRIPING KEY

- (A) • 6" SOLID WHITE
- (B) • 8" SOLID WHITE
- (C) • 12" SOLID WHITE
- (D) • 18" SOLID WHITE
- (E) • 24" SOLID WHITE
- (F) • 6" SKIP WHITE TYP. (10' - 30')
- (G) • 6" SKIP WHITE TYP. (6' - 10')
- (H) • 6" SKIP WHITE TYP. (2' - 4')
- (I) • 6" SOLID YELLOW
- (J) • 18" SOLID YELLOW
- (K) • 6" DOUBLE YELLOW
- (L) • 6" SKIP YELLOW TYP. (10' - 30')
- (M) • 6" SKIP YELLOW TYP. (6' - 10')
- (N) • 6" SKIP YELLOW TYP. (2' - 4')
- (O) • RPM BI-DIRECTIONAL AMBER/AMBER
- (P) • RPM BI-DIRECTIONAL WHITE/RED
- (R) • FDP WHITE
- (S) • FDP YELLOW
- (T) • RPM BI-DIRECTIONAL WHITE/RED

NOTES

ALL PAVEMENT MARKINGS AND REFLECTIVE PAVEMENT MARKERS SHALL BE IN ACCORDANCE WITH INDIAN RIVER COUNTY TYPICAL DRAWING DATED SEPTEMBER 5, 2000, THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, AND THE F.D.O.T. ROADWAY & TRAFFIC DESIGN STANDARDS.

GB310 / LC26000269

ARCADIS U.S., INC.
2081 VISTA PARKWAY, WEST PALM BEACH, FL 33411
(561) 697-7000, FAX (561) 697-7751

EB 7917 / LB 7062

NO.	REVISION	BY	DATE

Department of Public Works
Engineering Division

SCALE:	1"=40'
APPROVED:	
DRAWN:	B.F.
CHECKED:	H.D.
DATE:	12-20
FIELD BOOK NO.:	

SIGNING & PAVEMENT MARKING PLANS

66 TH AVENUE

SOUTH OF S.R. 60 TO NORTH OF 57TH ST.

SHEET:	S-1
OF:	S-15
PROJECT NO.:	A1053
IRC_JOB_NO.:	1505

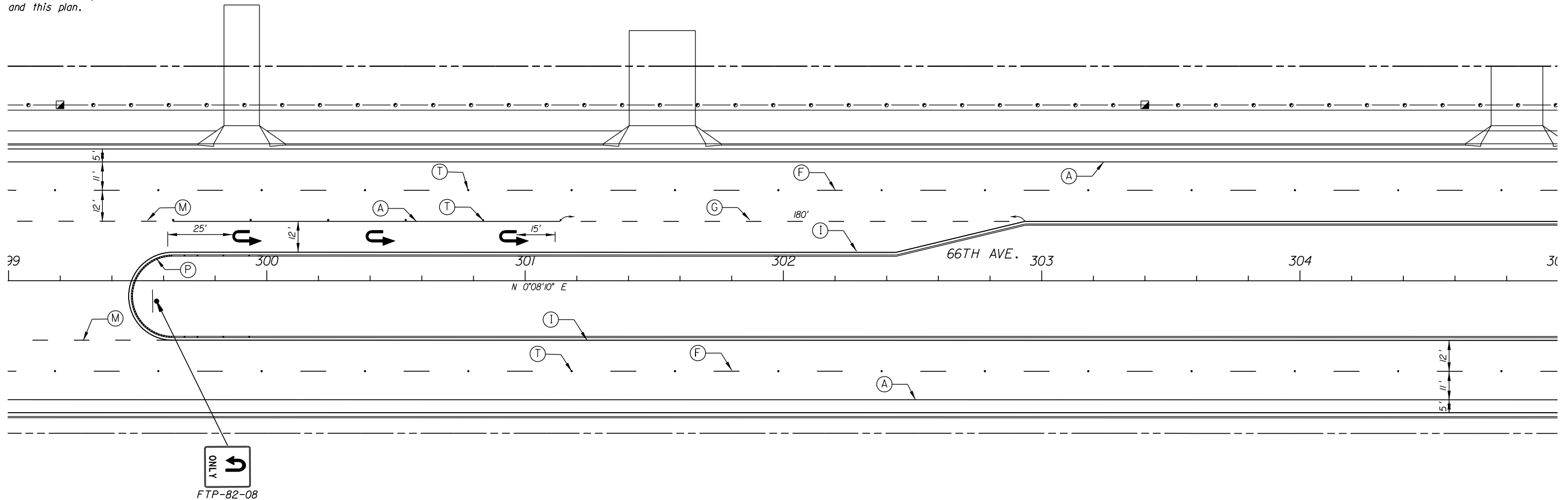
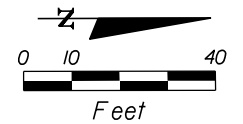
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RPM's shall be positioned in accordance with fdot Index # 17352 and this plan.



STRIPING KEY

- | | |
|--------------------------------------|---------------------------------------|
| (A) • 6" SOLID WHITE | (U) • 18" SOLID YELLOW |
| (B) • 8" SOLID WHITE | (K) • 6" DOUBLE YELLOW |
| (C) • 12" SOLID WHITE | (L) • 6" SKIP YELLOW TYP. (10' - 30') |
| (D) • 18" SOLID WHITE | (M) • 6" SKIP YELLOW TYP. (6' - 10') |
| (E) • 24" SOLID WHITE | (N) • 6" SKIP YELLOW TYP. (2' - 4') |
| (F) • 6" SKIP WHITE TYP. (10' - 30') | (P) • RPM BI-DIRECTIONAL AMBER/AMBER |
| (G) • 6" SKIP WHITE TYP. (6' - 10') | (R) • FDP WHITE |
| (H) • 6" SKIP WHITE TYP. (2' - 4') | (S) • FDP YELLOW |
| (I) • 6" SOLID YELLOW | (T) • RPM BI-DIRECTIONAL WHITE/RED |

NOTES

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08310 / LC26000269



EB 7917 / LB 7062

NO.	REVISION	BY	DATE



Department of Public Works
Engineering Division

SCALE: 1"=40'
APPROVED: B.F.
DRAWN: H.D.
CHECKED: H.D.
DATE: 12-20
FIELD BOOK NO:

SIGNING & PAVEMENT MARKING PLANS

66 TH AVENUE

SOUTH OF S.R. 60 TO NORTH OF 57TH ST.

SHEET: S-2
OF: S-15
PROJECT NO. A1053
IRC_JOB_NO. 1505

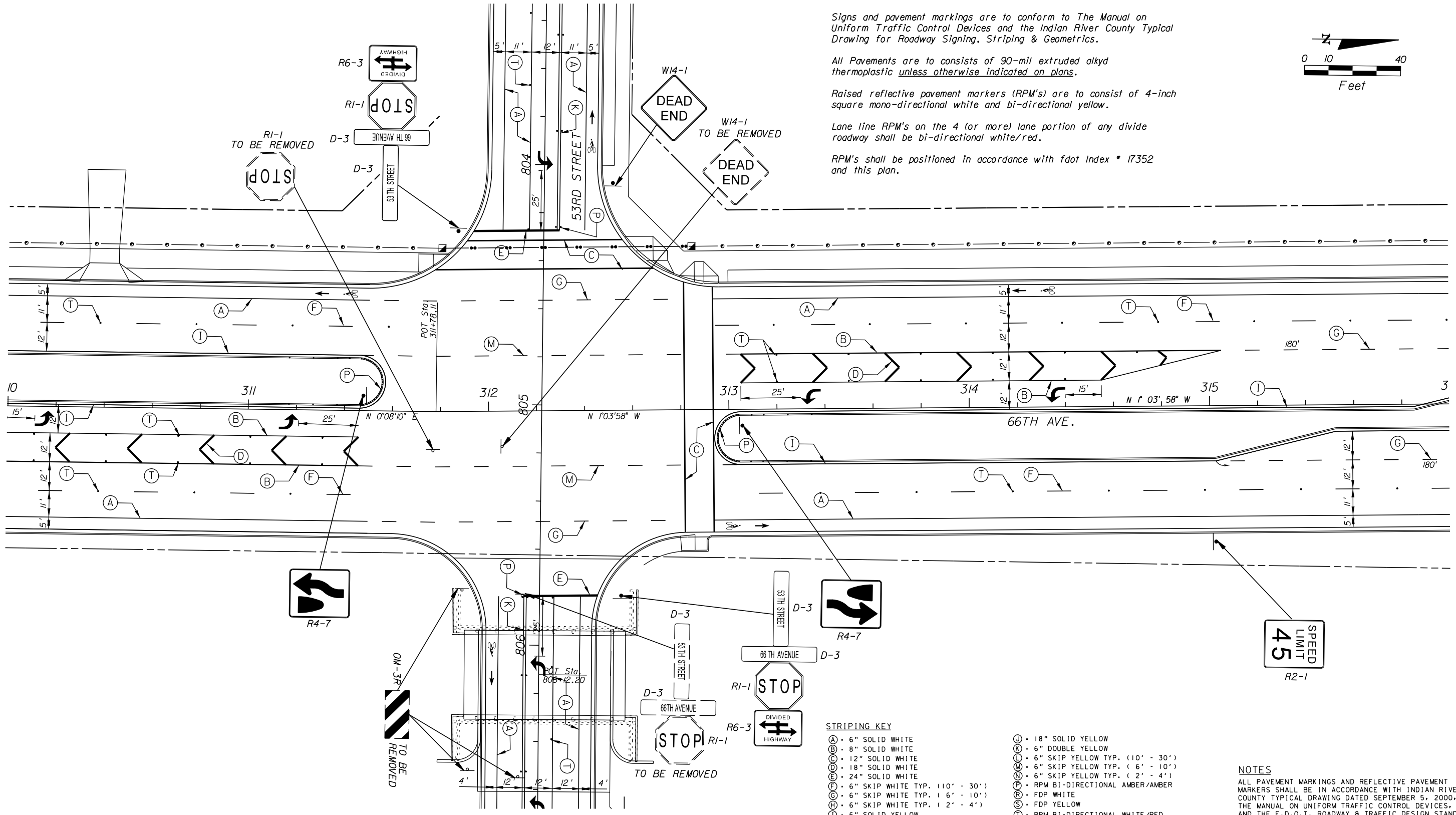
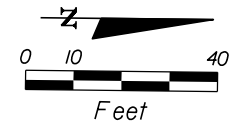
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RPM's shall be positioned in accordance with fdot Index * 17352 and this plan.



STRIPING KEY

- (A) • 6" SOLID WHITE
- (B) • 8" SOLID WHITE
- (C) • 12" SOLID WHITE
- (D) • 18" SOLID WHITE
- (E) • 24" SOLID WHITE
- (F) • 6" SKIP WHITE TYP. (10' - 30')
- (G) • 6" SKIP WHITE TYP. (6' - 10')
- (H) • 6" SKIP WHITE TYP. (2' - 4')
- (I) • 6" SOLID YELLOW
- (J) • 18" SOLID YELLOW
- (K) • 6" DOUBLE YELLOW
- (L) • 6" SKIP YELLOW TYP. (10' - 30')
- (M) • 6" SKIP YELLOW TYP. (6' - 10')
- (N) • 6" SKIP YELLOW TYP. (2' - 4')
- (P) • RPM BI-DIRECTIONAL AMBER/AMBER
- (R) • FDP WHITE
- (S) • FDP YELLOW
- (T) • RPM BI-DIRECTIONAL WHITE/RED

NOTES

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2081 VISTA PARKWAY, WEST PALM BEACH, FL 33411
(561) 697-7000, FAX (561) 697-7751

NO.	REVISION	BY	DATE

Department of Public Works
Engineering Division

SCALE: 1"=40'
APPROVED: B.F.
DRAWN: H.D.
CHECKED: H.D.
DATE: 12-20
FIELD BOOK NO:

SIGNING & PAVEMENT MARKING PLANS
66 TH AVENUE
SOUTH OF S.R. 60 TO NORTH OF 57TH ST.

SHEET: S-4
OF: S-15
PROJECT NO. A1053
IRC_JOB_NO. 1505

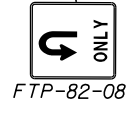
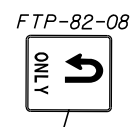
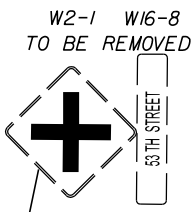
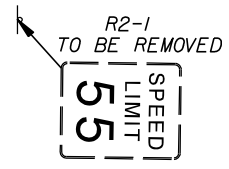
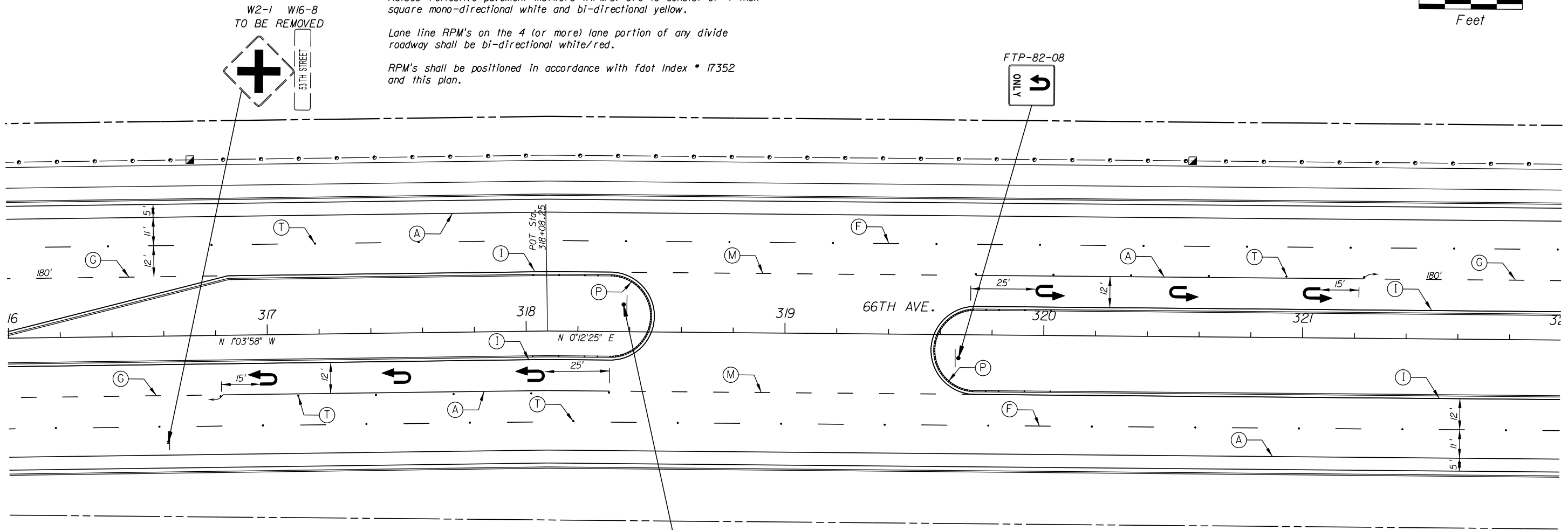
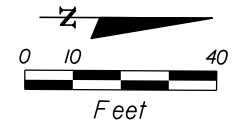
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- STRIPING KEY**
- (A) • 6" SOLID WHITE
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 - (C) • 12" SOLID WHITE
 - (D) • 18" SOLID WHITE
 - (E) • 24" SOLID WHITE
 - (F) • 6" SKIP WHITE TYP. (10' - 30')
 - (G) • 6" SKIP WHITE TYP. (6' - 10')
 - (H) • 6" SKIP WHITE TYP. (2' - 4')
 - (I) • 6" SOLID YELLOW
 - (J) • 18" SOLID YELLOW
 - (K) • 6" DOUBLE YELLOW
 - (L) • 6" SKIP YELLOW TYP. (10' - 30')
 - (M) • 6" SKIP YELLOW TYP. (6' - 10')
 - (N) • 6" SKIP YELLOW TYP. (2' - 4')
 - (O) • RPM BI-DIRECTIONAL AMBER/AMBER
 - (P) • FDP WHITE
 - (Q) • FDP YELLOW
 - (R) • RPM BI-DIRECTIONAL WHITE/RED

NOTES
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GB310 / LC26000269

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 (561) 697-7000, FAX (561) 697-7751

NO.	REVISION	BY	DATE

Department of Public Works
 Engineering Division

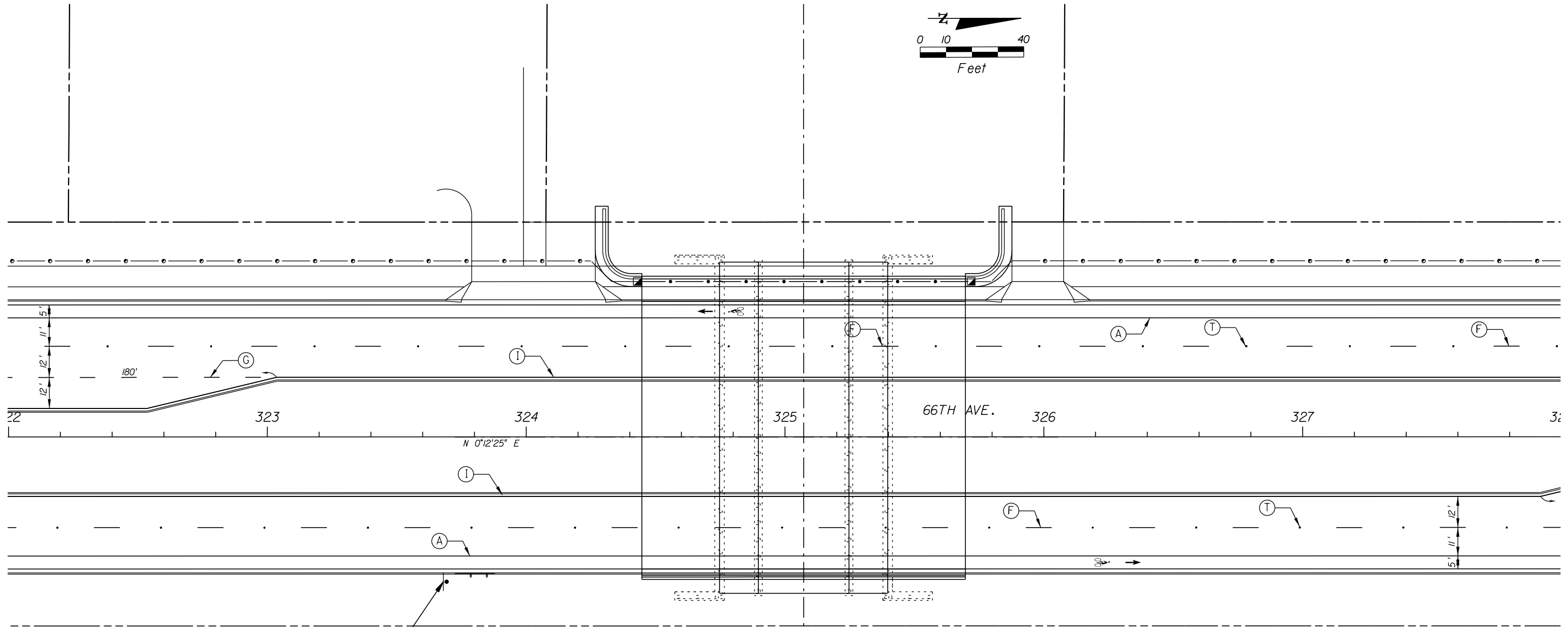
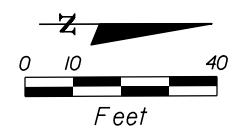
SCALE:	1" = 40'
APPROVED:	B.F.
DRAWN:	H.D.
CHECKED:	12-20
DATE:	
FIELD BOOK NO.:	

SIGNING & PAVEMENT MARKING PLANS

66 TH AVENUE

SOUTH OF S.R. 60 TO NORTH OF 57TH ST.

SHEET OF:	S-5 S-15
PROJECT NO.:	A1053
IRC_JOB_NO.:	1505



ALL CANALS
LEAD
TO LAGOON
TO BE RELOCATED

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STRIPING KEY

- (A) • 6" SOLID WHITE
- (B) • 8" SOLID WHITE
- (C) • 12" SOLID WHITE
- (D) • 18" SOLID WHITE
- (E) • 24" SOLID WHITE
- (F) • 6" SKIP WHITE TYP. (10' - 30')
- (G) • 6" SKIP WHITE TYP. (6' - 10')
- (H) • 6" SKIP WHITE TYP. (2' - 4')
- (I) • 6" SOLID YELLOW
- (J) • 18" SOLID YELLOW
- (K) • 6" DOUBLE YELLOW
- (L) • 6" SKIP YELLOW TYP. (10' - 30')
- (M) • 6" SKIP YELLOW TYP. (6' - 10')
- (N) • 6" SKIP YELLOW TYP. (2' - 4')
- (O) • RPM BI-DIRECTIONAL AMBER/AMBER
- (P) • FDP WHITE
- (Q) • FDP YELLOW
- (R) • RPM BI-DIRECTIONAL WHITE/RED

NOTES

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GB310 / LC26000269 2081 VISTA PARKWAY, WEST PALM BEACH, FL 33411 (561) 697-7000, FAX (561) 697-7751	NO. _____ REVISION: _____ BY: _____ DATE: _____	Department of Public Works Engineering Division	SCALE: 1"=40' APPROVED: _____ DRAWN: B.F. CHECKED: H.D. DATE: 12-20 FIELD BOOK NO: _____	SIGNING & PAVEMENT MARKING PLANS 66 TH AVENUE SOUTH OF S.R. 60 TO NORTH OF 57TH ST.	SHEET: S-6 OF: S-15 PROJECT NO. A1053 IRC_JOB_NO. 1505
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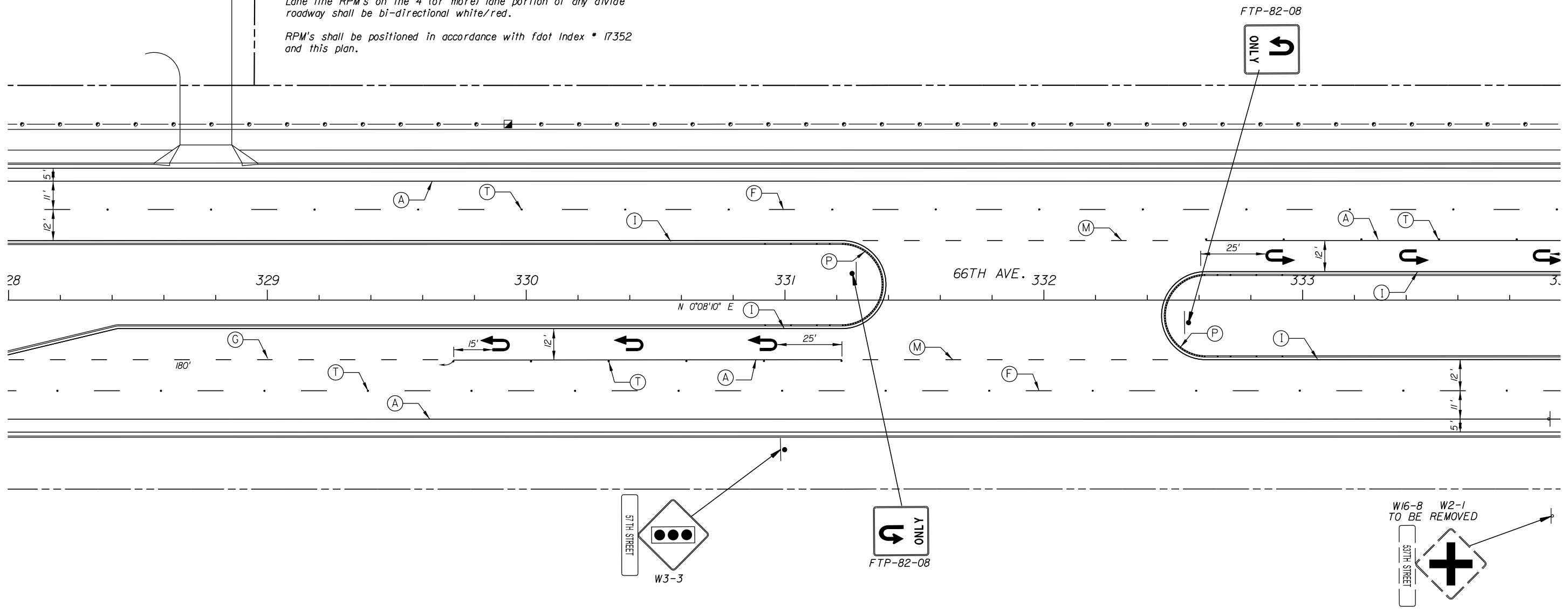
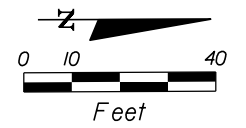
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STRIPING KEY

(A) • 6" SOLID WHITE	(J) • 18" SOLID YELLOW
(B) • 8" SOLID WHITE	(K) • 6" DOUBLE YELLOW
(C) • 12" SOLID WHITE	(L) • 6" SKIP YELLOW TYP. (10' - 30')
(D) • 18" SOLID WHITE	(M) • 6" SKIP YELLOW TYP. (6' - 10')
(E) • 24" SOLID WHITE	(N) • 6" SKIP YELLOW TYP. (2' - 4')
(F) • 6" SKIP WHITE TYP. (10' - 30')	(P) • RPM BI-DIRECTIONAL AMBER/AMBER
(G) • 6" SKIP WHITE TYP. (6' - 10')	(R) • FDP WHITE
(H) • 6" SKIP WHITE TYP. (2' - 4')	(S) • FDP YELLOW
(I) • 6" SOLID YELLOW	(T) • RPM BI-DIRECTIONAL WHITE/RED

NOTES
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GB310 / LC26000269  ARCADIS U.S., INC. 2081 VISTA PARKWAY, WEST PALM BEACH, FL 33411 (561) 697-7000, FAX (561) 697-7751	EB 7917 / LB 7062	NO.	REVISION	BY	DATE	 Department of Public Works Engineering Division	SCALE: 1"=40'	SIGNING & PAVEMENT MARKING PLANS 66 TH AVENUE SOUTH OF S.R. 60 TO NORTH OF 57TH ST.	APPROVED:	SHEET S-7 OF S-15 PROJECT NO. A1053 IRC_JOB_NO. 1505	
							DRAWN: B.F.		CHECKED: H.D.		DATE: 12-20
							FIELD BOOK NO.				

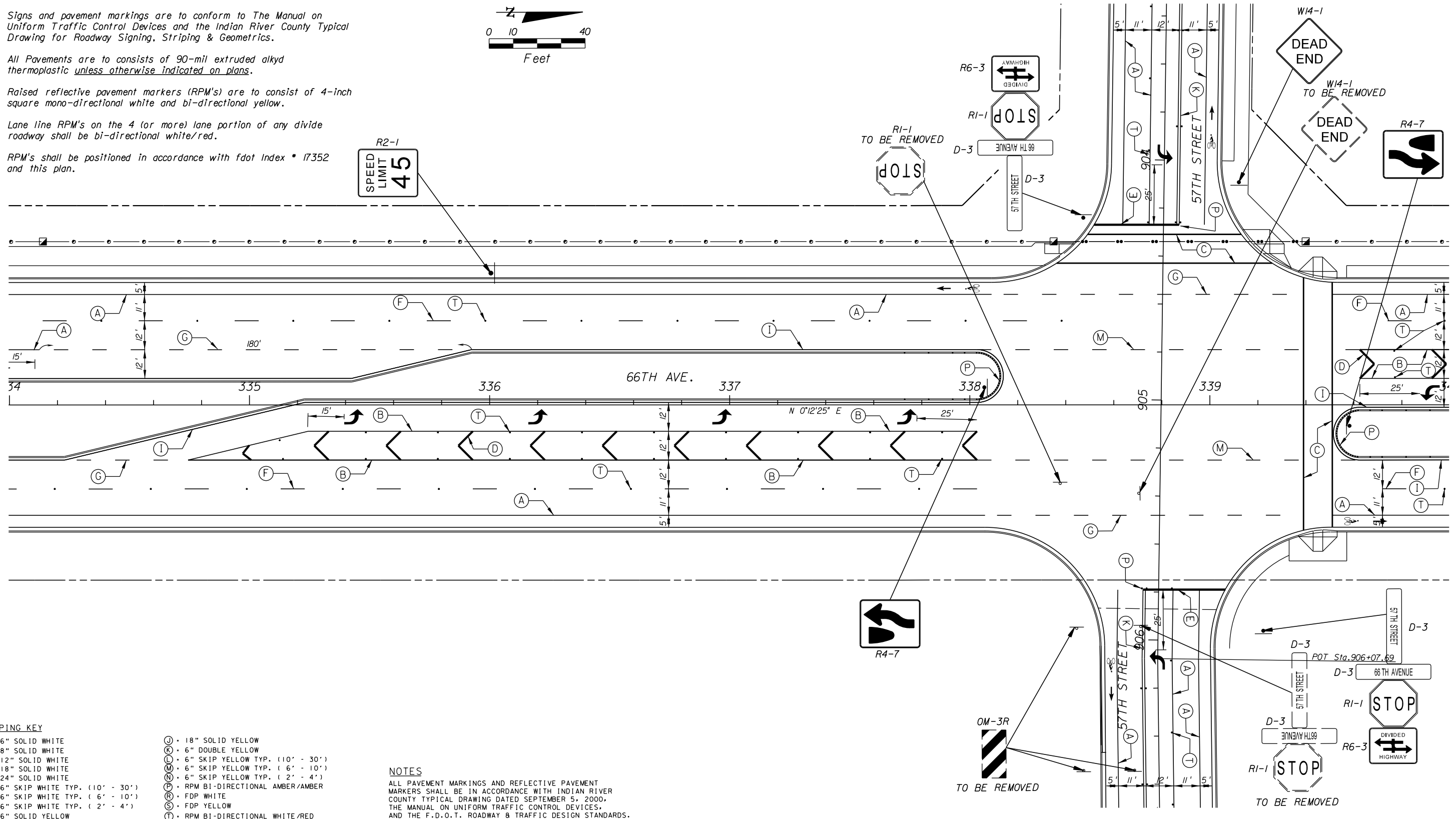
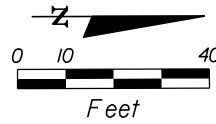
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STRIPING KEY

- | | |
|--------------------------------------|---------------------------------------|
| (A) • 6" SOLID WHITE | (J) • 18" SOLID YELLOW |
| (B) • 8" SOLID WHITE | (K) • 6" DOUBLE YELLOW |
| (C) • 12" SOLID WHITE | (L) • 6" SKIP YELLOW TYP. (10' - 30') |
| (D) • 18" SOLID WHITE | (M) • 6" SKIP YELLOW TYP. (6' - 10') |
| (E) • 24" SOLID WHITE | (N) • 6" SKIP YELLOW TYP. (2' - 4') |
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| (H) • 6" SKIP WHITE TYP. (2' - 4') | (S) • FDP YELLOW |
| (I) • 6" SOLID YELLOW | (T) • RPM BI-DIRECTIONAL WHITE/RED |

NOTES

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GB310 / LC26000269

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(561) 697-7000, FAX (561) 697-7751

EB 7917 / LB 7062

NO.	REVISION	BY	DATE

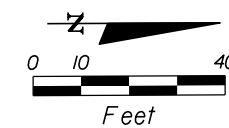


Department of Public Works
Engineering Division

SCALE: 1"=40'
APPROVED: B.F.
DRAWN: H.D.
CHECKED: H.D.
DATE: 12-20
FIELD BOOK NO:

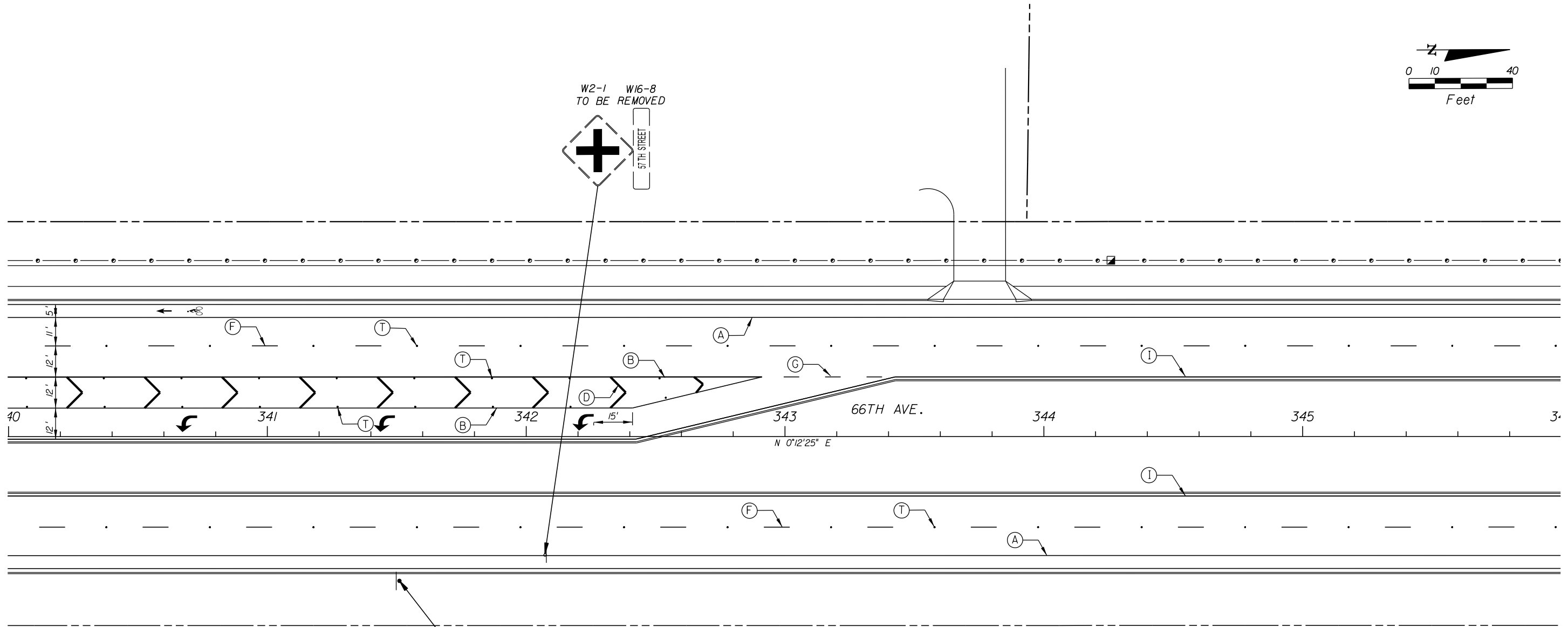
SIGNING & PAVEMENT MARKING PLANS
66 TH AVENUE
SOUTH OF S.R. 60 TO NORTH OF 57TH ST.

SHEET: S-8
OF: S-15
PROJECT NO. A1053
IRC_JOB_NO. 1505



W2-1 W16-8
TO BE REMOVED

57TH STREET



SPEED LIMIT
45
R2-1

R2-1
TO BE REMOVED

SPEED LIMIT
55

Signs and pavement markings are to conform to The Manual on Uniform Traffic Control Devices and the Indian River County Typical Drawing for Roadway Signing, Striping & Geometrics.

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Lane line RPM's on the 4 (or more) lane portion of any divide roadway shall be bi-directional white/red.

RPM's shall be positioned in accordance with fdot Index # 17352 and this plan.

STRIPING KEY

- (A) • 6" SOLID WHITE
- (B) • 8" SOLID WHITE
- (C) • 12" SOLID WHITE
- (D) • 18" SOLID WHITE
- (E) • 24" SOLID WHITE
- (F) • 6" SKIP WHITE TYP. (10' - 30')
- (G) • 6" SKIP WHITE TYP. (6' - 10')
- (H) • 6" SKIP WHITE TYP. (2' - 4')
- (I) • 6" SOLID YELLOW
- (J) • 18" SOLID YELLOW
- (K) • 6" DOUBLE YELLOW
- (L) • 6" SKIP YELLOW TYP. (10' - 30')
- (M) • 6" SKIP YELLOW TYP. (6' - 10')
- (N) • 6" SKIP YELLOW TYP. (2' - 4')
- (P) • RPM BI-DIRECTIONAL AMBER/AMBER
- (R) • FDP WHITE
- (S) • FDP YELLOW
- (T) • RPM BI-DIRECTIONAL WHITE/RED

NOTES

ALL PAVEMENT MARKINGS AND REFLECTIVE PAVEMENT MARKERS SHALL BE IN ACCORDANCE WITH INDIAN RIVER COUNTY TYPICAL DRAWING DATED SEPTEMBER 5, 2000, THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, AND THE F.D.O.T. ROADWAY & TRAFFIC DESIGN STANDARDS.

GB310 / LC26000269 2081 VISTA PARKWAY, WEST PALM BEACH, FL 33411 (561) 697-7000, FAX (561) 697-7751	NO.	REVISION	BY	DATE

Department of Public Works
 Engineering Division

SCALE: 1"=40'
 APPROVED: _____
 DRAWN: B.F.
 CHECKED: H.D.
 DATE: 12-20
 FIELD BOOK NO: _____

SIGNING & PAVEMENT MARKING PLANS

66 TH AVENUE

SOUTH OF S.R. 60 TO NORTH OF 57TH ST.

SHEET: S-9
 OF: S-15
 PROJECT NO. A1053
 IRC_JOB_NO. 1505

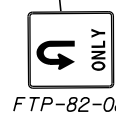
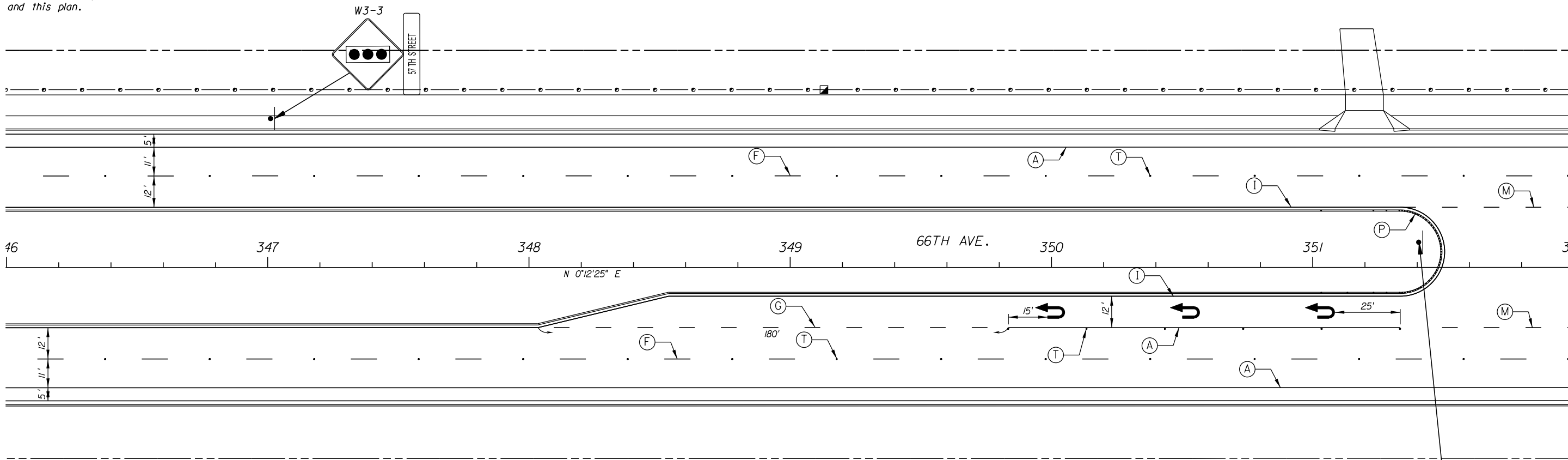
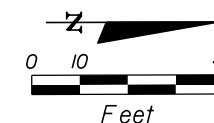
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- STRIPING KEY**
- (A) • 6" SOLID WHITE
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 - (C) • 12" SOLID WHITE
 - (D) • 18" SOLID WHITE
 - (E) • 24" SOLID WHITE
 - (F) • 6" SKIP WHITE TYP. (10' - 30')
 - (G) • 6" SKIP WHITE TYP. (6' - 10')
 - (H) • 6" SKIP WHITE TYP. (2' - 4')
 - (I) • 6" SOLID YELLOW
 - (J) • 18" SOLID YELLOW
 - (K) • 6" DOUBLE YELLOW
 - (L) • 6" SKIP YELLOW TYP. (10' - 30')
 - (M) • 6" SKIP YELLOW TYP. (6' - 10')
 - (N) • 6" SKIP YELLOW TYP. (2' - 4')
 - (P) • RPM BI-DIRECTIONAL AMBER/AMBER
 - (R) • FDP WHITE
 - (S) • FDP YELLOW
 - (T) • RPM BI-DIRECTIONAL WHITE/RED

NOTES
 ALL PAVEMENT MARKINGS AND REFLECTIVE PAVEMENT MARKERS SHALL BE IN ACCORDANCE WITH INDIAN RIVER COUNTY TYPICAL DRAWING DATED SEPTEMBER 5, 2000, THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, AND THE F.D.O.T. ROADWAY & TRAFFIC DESIGN STANDARDS.

GB310 / LC26000269 ARCADIS U.S., INC. 2081 VISTA PARKWAY, WEST PALM BEACH, FL 33411 (561) 697-7000, FAX (561) 697-7751	EB 7917 / LB 7062	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">NO.</th> <th style="width: 10%;">REVISION</th> <th style="width: 5%;">BY</th> <th style="width: 5%;">DATE</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	NO.	REVISION	BY	DATE					Department of Public Works Engineering Division	SCALE: 1"=40' APPROVED: _____ DRAWN: B.F. CHECKED: H.D. DATE: 12-20 FIELD BOOK NO: _____	SIGNING & PAVEMENT MARKING PLANS 66 TH AVENUE SOUTH OF S.R. 60 TO NORTH OF 57TH ST.	SHEET: S-10 OF: S-15 PROJECT NO. A1053 IRC_JOB_NO. 1505
	NO.	REVISION	BY	DATE										

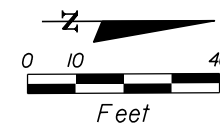
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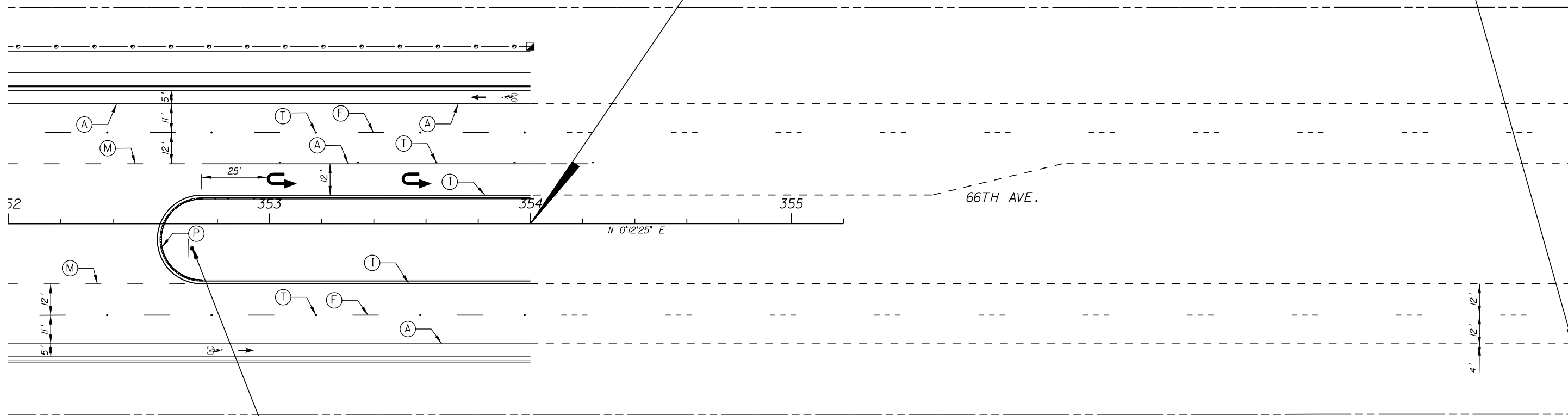
Lane line RPM's on the 4 (or more) lane portion of any divide roadway shall be bi-directional white/red.

RPM's shall be positioned in accordance with fdot Index # 17352 and this plan.



END PROJECT
END SIGNING & PAVEMENT MARKINGS
MATCH KIMLEY-HORN PROJECT
STA. 354+00

R2-1
SPEED
LIMIT
55



ONLY
FTP-82-08

STRIPING KEY

- (A) • 6" SOLID WHITE
- (B) • 8" SOLID WHITE
- (C) • 12" SOLID WHITE
- (D) • 18" SOLID WHITE
- (E) • 24" SOLID WHITE
- (F) • 6" SKIP WHITE TYP. (10' - 30')
- (G) • 6" SKIP WHITE TYP. (6' - 10')
- (H) • 6" SKIP WHITE TYP. (2' - 4')
- (I) • 6" SOLID YELLOW
- (J) • 18" SOLID YELLOW
- (K) • 6" DOUBLE YELLOW
- (L) • 6" SKIP YELLOW TYP. (10' - 30')
- (M) • 6" SKIP YELLOW TYP. (6' - 10')
- (N) • 6" SKIP YELLOW TYP. (2' - 4')
- (P) • RPM BI-DIRECTIONAL AMBER/AMBER
- (R) • FDP WHITE
- (S) • FDP YELLOW
- (T) • RPM BI-DIRECTIONAL WHITE/RED

NOTES

ALL PAVEMENT MARKINGS AND REFLECTIVE PAVEMENT MARKERS SHALL BE IN ACCORDANCE WITH INDIAN RIVER COUNTY TYPICAL DRAWING DATED SEPTEMBER 5, 2000, THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, AND THE F.D.O.T. ROADWAY & TRAFFIC DESIGN STANDARDS.

GB310 / LC26000269 2081 VISTA PARKWAY, WEST PALM BEACH, FL 33411 (561) 697-7000, FAX (561) 697-7751	NO.	REVISION	BY	DATE

Department of Public Works
 Engineering Division

SCALE:	1"=40'
APPROVED:	
DRAWN:	B.F.
CHECKED:	H.D.
DATE:	12-20
FIELD BOOK NO.:	

SIGNING & PAVEMENT MARKING PLANS
66 TH AVENUE
 SOUTH OF S.R. 60 TO NORTH OF 57TH ST.

SHEET OF:	S-11 S-15
PROJECT NO.	A1053
IRC_JOB_NO.	1505

Signs and pavement markings are to conform to The Manual on Uniform Traffic Control Devices and the Indian River County Typical Drawing for Roadway Signing, Striping & Geometrics.

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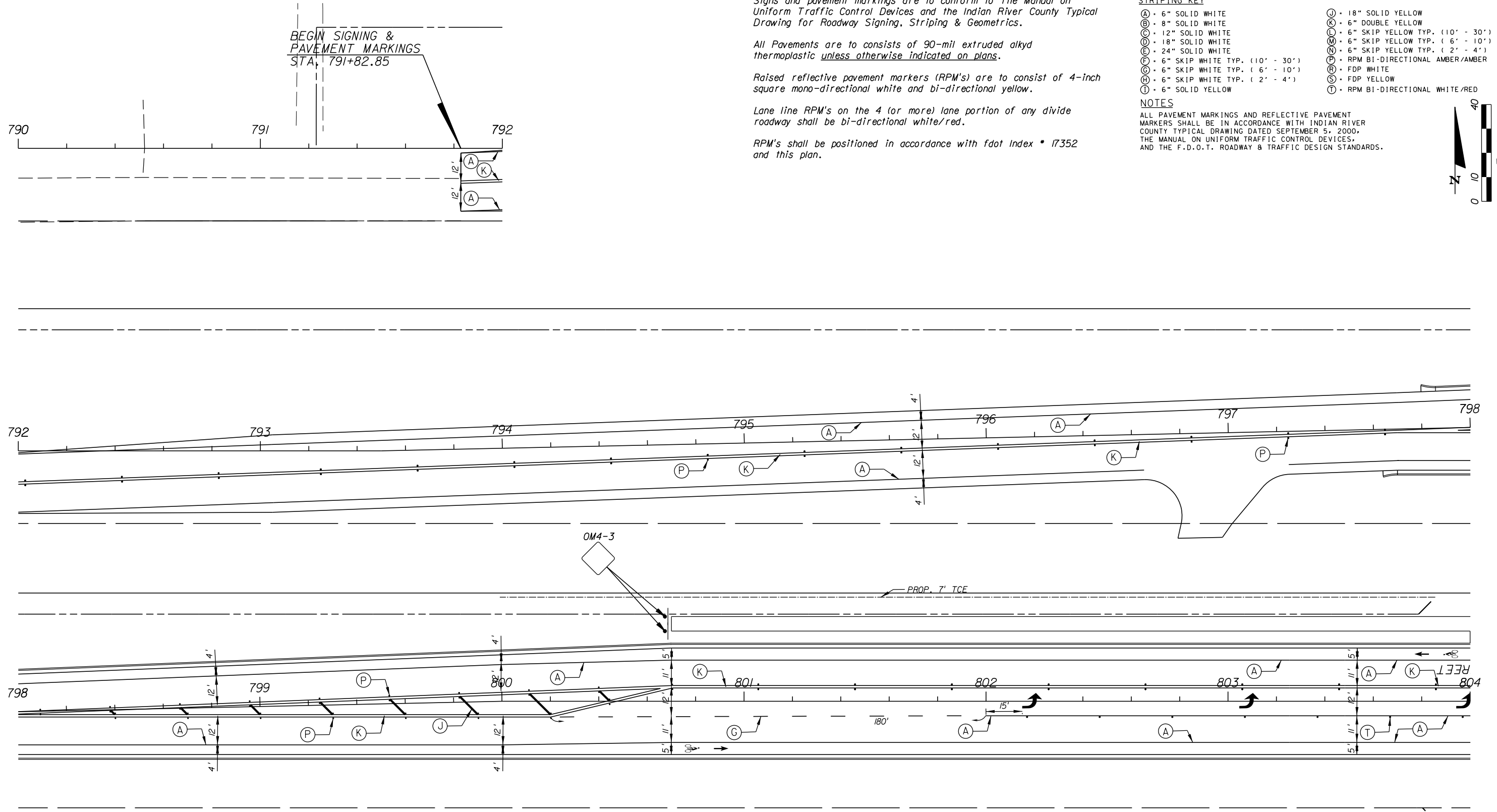
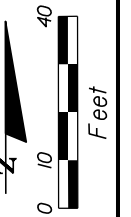
RPM's shall be positioned in accordance with fdot Index # 17352 and this plan.

STRIPING KEY

- (A) 6" SOLID WHITE
- (B) 8" SOLID WHITE
- (C) 12" SOLID WHITE
- (D) 18" SOLID WHITE
- (E) 24" SOLID WHITE
- (F) 6" SKIP WHITE TYP. (10' - 30')
- (G) 6" SKIP WHITE TYP. (6' - 10')
- (H) 6" SKIP WHITE TYP. (2' - 4')
- (I) 6" SOLID YELLOW
- (J) 18" SOLID YELLOW
- (K) 6" DOUBLE YELLOW
- (L) 6" SKIP YELLOW TYP. (10' - 30')
- (M) 6" SKIP YELLOW TYP. (6' - 10')
- (N) 6" SKIP YELLOW TYP. (2' - 4')
- (P) RPM BI-DIRECTIONAL AMBER/AMBER
- (R) FDP WHITE
- (S) FDP YELLOW
- (T) RPM BI-DIRECTIONAL WHITE/RED

NOTES

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GB310 / LC26000269

2081 VISTA PARKWAY, WEST PALM BEACH, FL 33411
(561) 697-7000, FAX (561) 697-7751

NO.	REVISION	BY	DATE

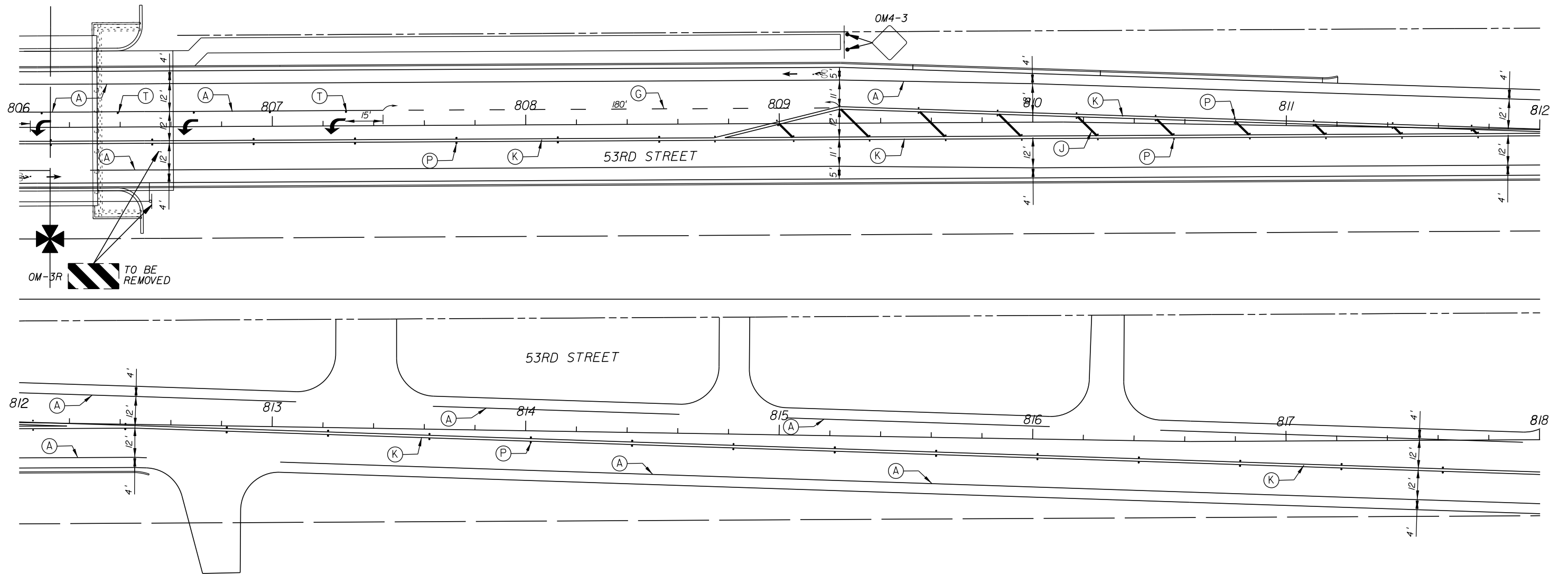


Department of Public Works
Engineering Division

SCALE: 1"=40'
APPROVED: _____
DRAWN: B.F.
CHECKED: H.D.
DATE: 12-20
FIELD BOOK NO: _____

SIGNING & PAVEMENT MARKING PLANS
66 TH AVENUE
53RD STREET

SHEET: S-12
OF: S-15
PROJECT NO. A1053
IRC_JOB_NO. 1505



- STRIPING KEY**
- | | |
|--------------------------------------|---------------------------------------|
| (A) - 6" SOLID WHITE | (U) - 18" SOLID YELLOW |
| (B) - 8" SOLID WHITE | (K) - 6" DOUBLE YELLOW |
| (C) - 12" SOLID WHITE | (M) - 6" SKIP YELLOW TYP. (10' - 30') |
| (D) - 18" SOLID WHITE | (N) - 6" SKIP YELLOW TYP. (6' - 10') |
| (E) - 24" SOLID WHITE | (O) - 6" SKIP YELLOW TYP. (2' - 4') |
| (F) - 6" SKIP WHITE TYP. (10' - 30') | (P) - RPM BI-DIRECTIONAL AMBER/AMBER |
| (G) - 6" SKIP WHITE TYP. (6' - 10') | (R) - FDP WHITE |
| (H) - 6" SKIP WHITE TYP. (2' - 4') | (S) - FDP YELLOW |
| (I) - 6" SOLID YELLOW | (T) - RPM BI-DIRECTIONAL WHITE/RED |
- NOTES**
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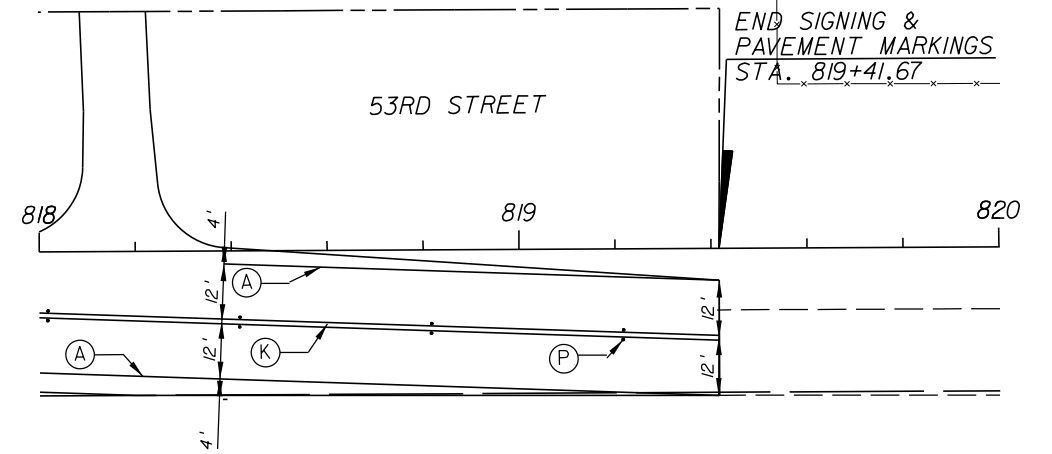
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RPM's shall be positioned in accordance with fdot Index # 17352 and this plan.

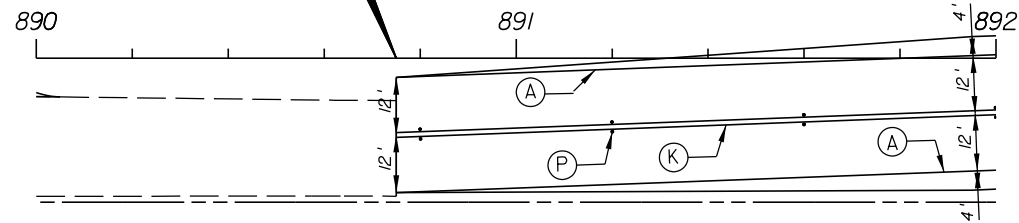


NO.	REVISION	BY	DATE

SCALE: 1"=40'
APPROVED:
DRAWN: B.F.
CHECKED: H.D.
DATE: 12-20
FIELD BOOK NO:

SHEET OF:	S-13 S-15
PROJECT NO.	A1053
IRC_JOB_NO.	1505

BEGIN SIGNING &
PAVEMENT MARKINGS
STA. 890+75



Signs and pavement markings are to conform to The Manual on Uniform Traffic Control Devices and the Indian River County Typical Drawing for Roadway Signing, Striping & Geometrics.

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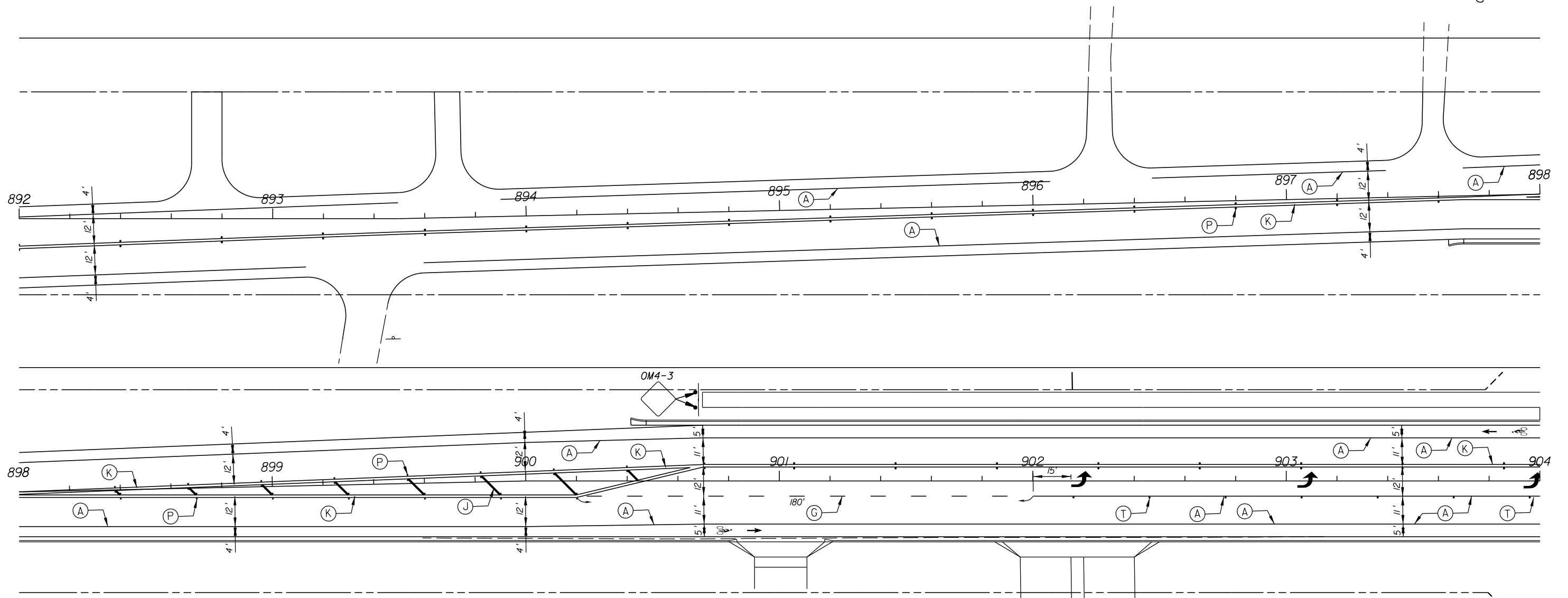
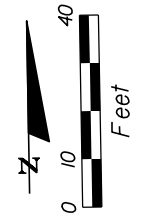
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STRIPING KEY

- (A) - 6" SOLID WHITE
- (B) - 8" SOLID WHITE
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- (I) - 6" SOLID YELLOW
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- (L) - 6" SKIP YELLOW TYP. (10' - 30')
- (M) - 6" SKIP YELLOW TYP. (6' - 10')
- (N) - 6" SKIP YELLOW TYP. (2' - 4')
- (P) - RPM BI-DIRECTIONAL AMBER/AMBER
- (R) - FDP WHITE
- (S) - FDP YELLOW
- (T) - RPM BI-DIRECTIONAL WHITE/RED

NOTES

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GB310 / LC26000269

ARCADIS U.S., INC.
2081 VISTA PARKWAY, WEST PALM BEACH, FL 33411
(561) 697-7000, FAX (561) 697-7751

NO.	REVISION	BY	DATE

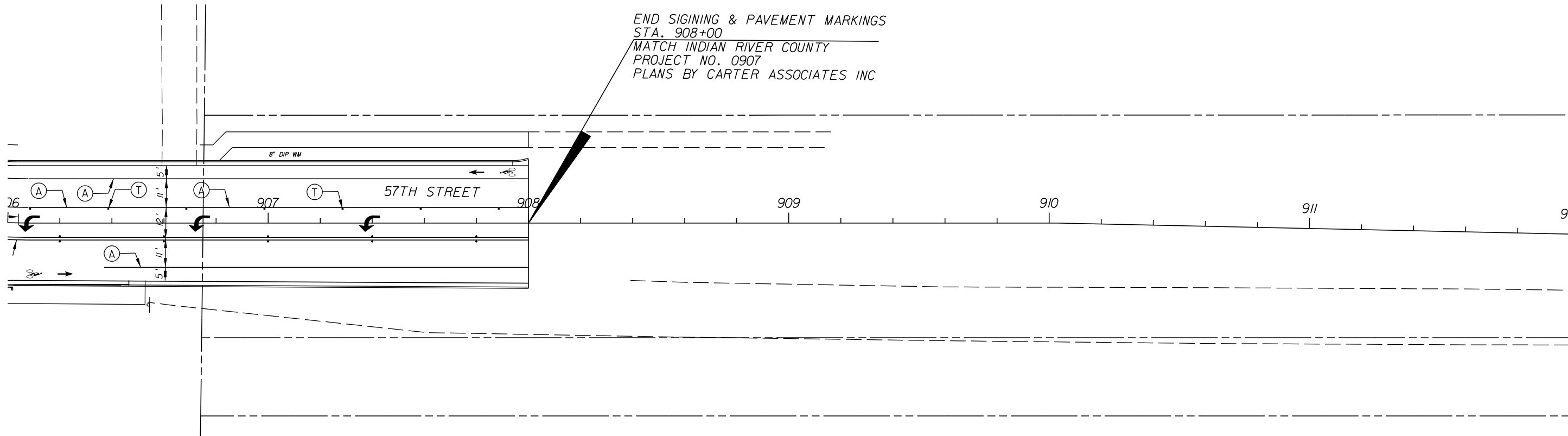
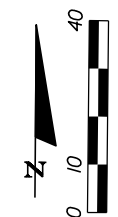


Department of Public Works
Engineering Division

SCALE: 1"=40'
APPROVED: B.F.
DRAWN: H.D.
CHECKED: H.D.
DATE: 12-20
FIELD BOOK NO:

SIGNING & PAVEMENT MARKING PLANS
66 TH AVENUE
57TH STREET

SHEET: S-14
OF: S-15
PROJECT NO. A1053
IRC_JOB_NO. 1505



END SIGNING & PAVEMENT MARKINGS
 STA. 908+00
 MATCH INDIAN RIVER COUNTY
 PROJECT NO. 0907
 PLANS BY CARTER ASSOCIATES INC

STRIPING KEY

- | | |
|--------------------------------------|---------------------------------------|
| (A) - 6" SOLID WHITE | (L) - 18" SOLID YELLOW |
| (B) - 8" SOLID WHITE | (X) - 6" DOUBLE YELLOW |
| (C) - 12" SOLID WHITE | (Y) - 6" SKIP YELLOW TYP. (10' - 30') |
| (D) - 18" SOLID WHITE | (Z) - 6" SKIP YELLOW TYP. (6' - 10') |
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| (F) - 6" SKIP WHITE TYP. (10' - 30') | (P) - RPM BI-DIRECTIONAL AMBER/AMBER |
| (G) - 6" SKIP WHITE TYP. (6' - 10') | (R) - FDP WHITE |
| (H) - 6" SKIP WHITE TYP. (2' - 4') | (S) - FDP YELLOW |
| (I) - 6" SOLID YELLOW | (T) - RPM BI-DIRECTIONAL WHITE/RED |

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GB310 / LC26000269



EB 7917 / LB 7062

NO.	REVISION	BY	DATE



Department of Public Works
 Engineering Division

SCALE: 1"=40'
 APPROVED: _____
 DRAWN: B.F.
 CHECKED: H.D.
 DATE: 12-20
 FIELD BOOK NO: _____

SIGNING & PAVEMENT MARKING PLANS

66 TH AVENUE
57TH STREET

SHEET: S-15
 OF: S-15
 PROJECT NO. A1053
 IRC_JOB_NO. 1505