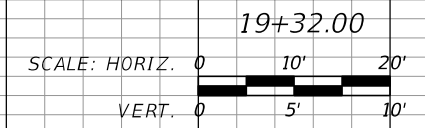
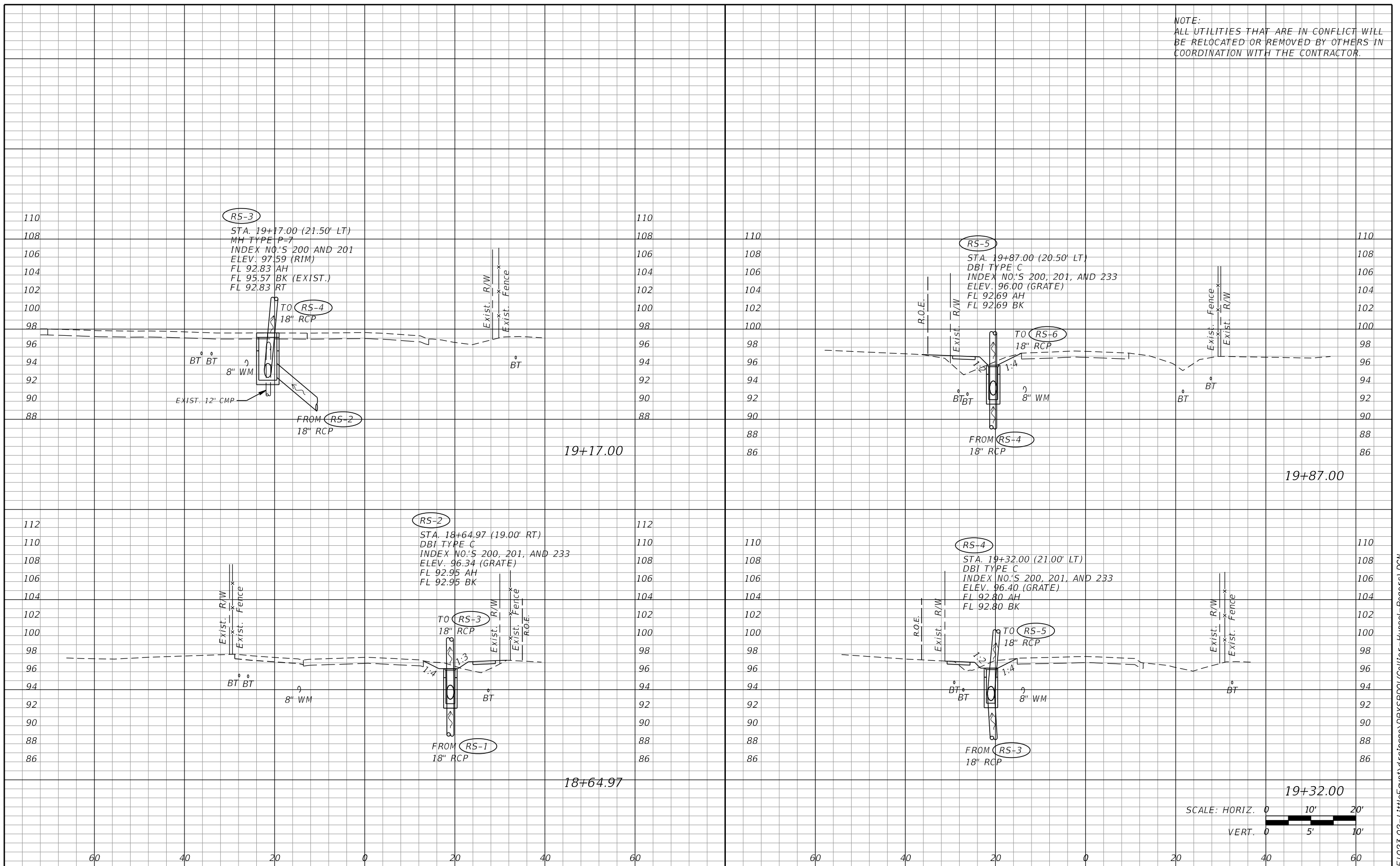


NOTE:
ALL UTILITIES THAT ARE IN CONFLICT WILL
BE RELOCATED OR REMOVED BY OTHERS IN
COORDINATION WITH THE CONTRACTOR.

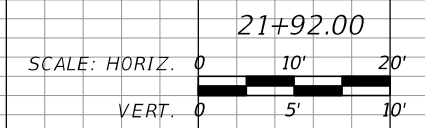
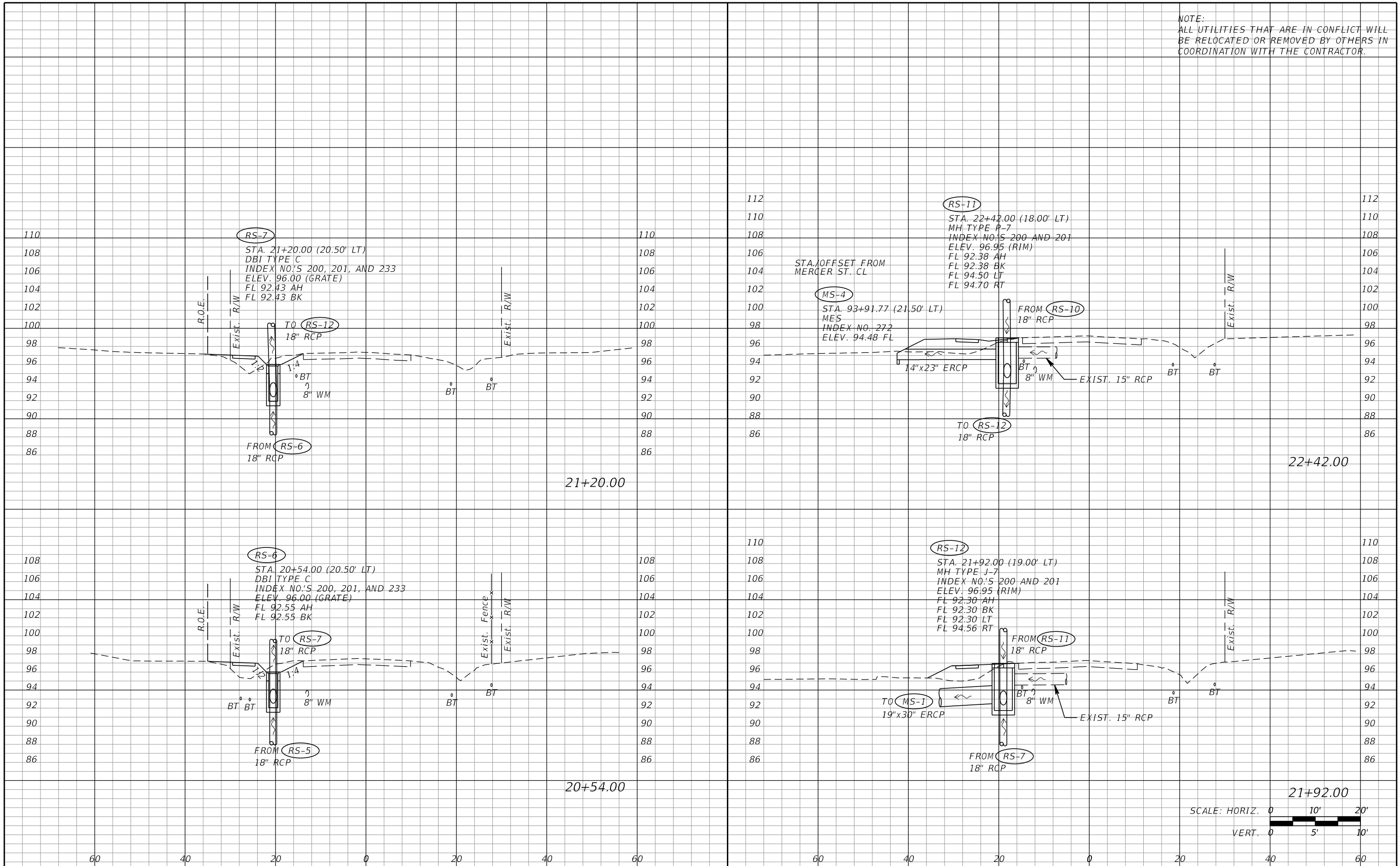


REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

GTC Engineering Corporation 98 South Semoran Blvd, Orlando, FL 32807 Phone Number - 407.380.0402 Certificate of Authorization Number 6758 Claude L. Cassagnol, P.E. P.E. Number 35490		ORANGE COUNTY PUBLIC WORKS GTC PROJECT NO. FLO 23.02 LITTLE EGYPT SIDEWALK IMPROVEMENTS OCPW PROJECT NO. 0193		COLLIER BLVD, HUPPEL AVE. & ROGERS ST. DRAINAGE STRUCTURE SHEET SHEET NO. 35	
---	--	---	--	--	--

FILE: H:\Jobs\FLO23.02-LittleEgypt\drainage\DRXSRD01 (Collier-Huppel-Rogers).DGN
 DATE: 5/8/2018 8:27:45 AM

NOTE:
ALL UTILITIES THAT ARE IN CONFLICT WILL
BE RELOCATED OR REMOVED BY OTHERS IN
COORDINATION WITH THE CONTRACTOR.



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

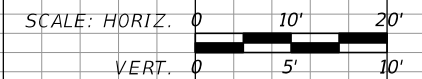
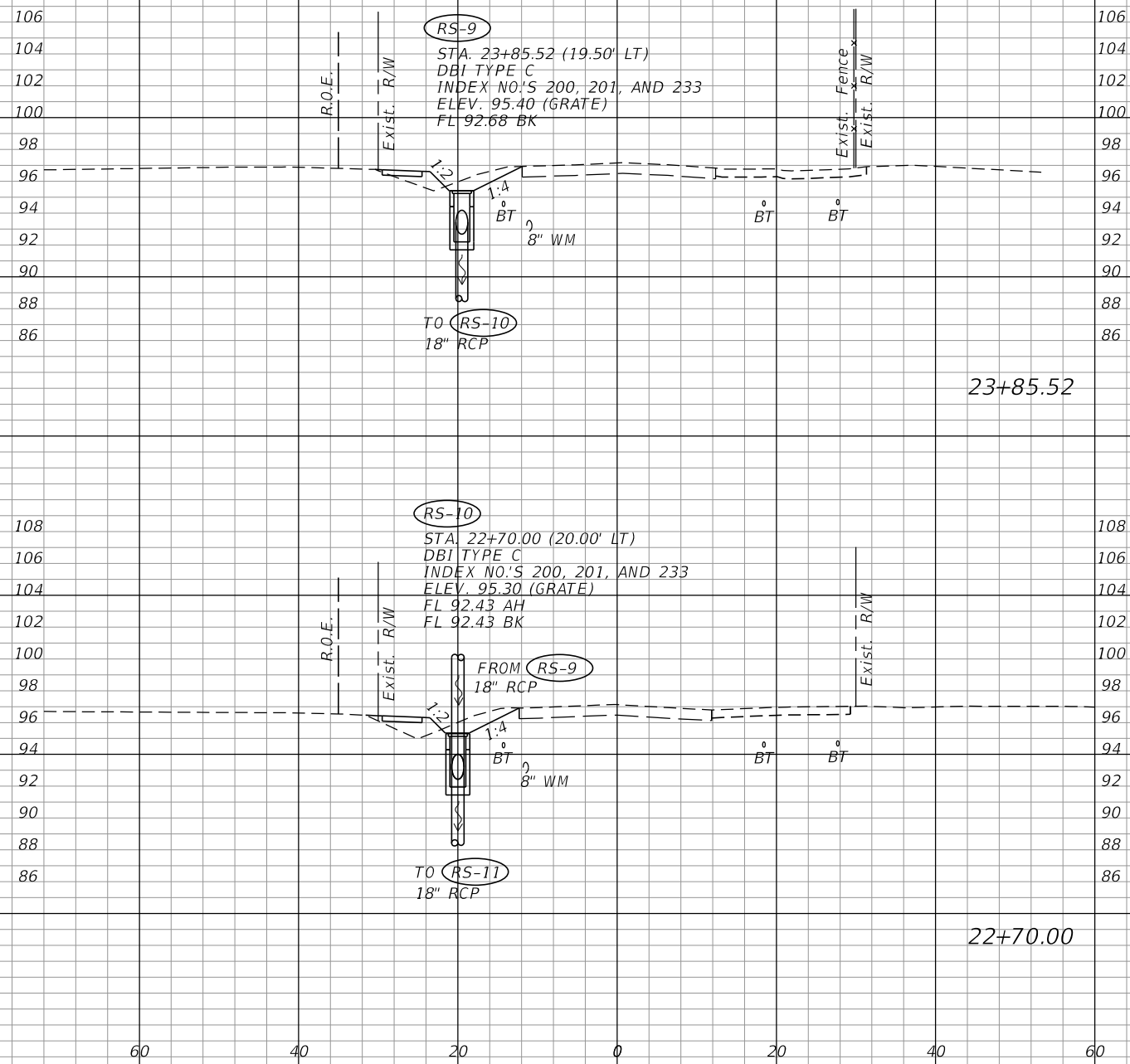
GTC Engineering Corporation
98 South Semoran Blvd, Orlando, FL 32807
Phone Number - 407.380.0402
Certificate of Authorization Number 6758
Claude L. Cassagnol, P.E.
P.E. Number 35490

ORANGE COUNTY PUBLIC WORKS
GTC PROJECT NO. FLO 23.02
LITTLE EGYPT SIDEWALK IMPROVEMENTS
OCPW PROJECT NO. 0193

COLLIER BLVD, HUPPEL AVE. & ROGERS ST.
DRAINAGE STRUCTURE SHEET
SHEET NO. 36

FILE: H:\Jobs\FLO23.02-LittleEgypt\drainage\DRXSRD01 (Collier-Huppel-Rogers).DGN
 DATE: 5/8/2018 8:27:45 AM

NOTE:
ALL UTILITIES THAT ARE IN CONFLICT WILL
BE RELOCATED OR REMOVED BY OTHERS IN
COORDINATION WITH THE CONTRACTOR.



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

GTC Engineering Corporation
98 South Semoran Blvd, Orlando, FL 32807
Phone Number - 407.380.0402
Certificate of Authorization Number 6758
Claude L. Cassagnol, P.E.
P.E. Number 35490

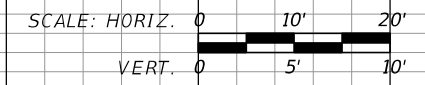
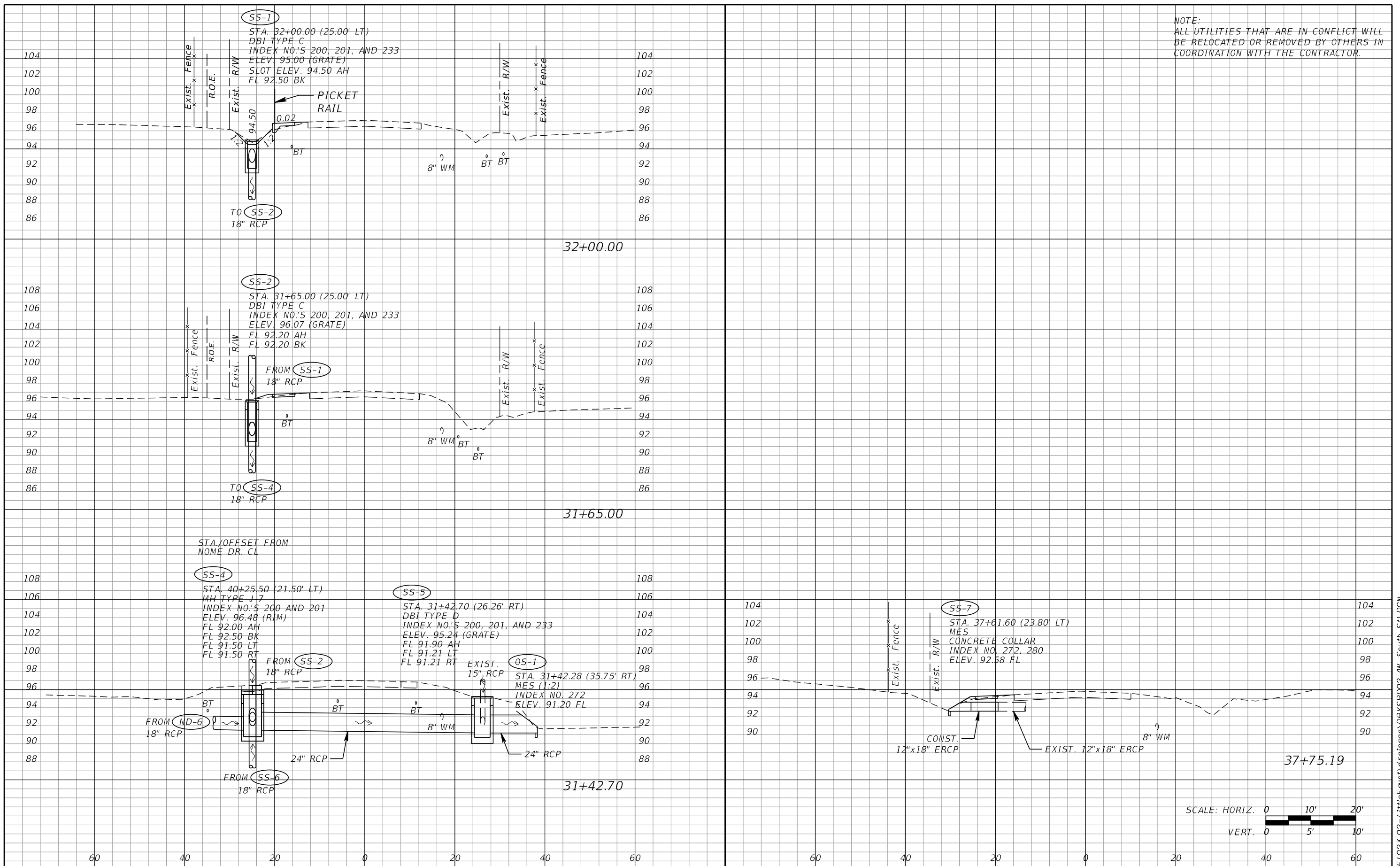
ORANGE COUNTY PUBLIC WORKS
GTC PROJECT NO. FLO 23.02
LITTLE EGYPT SIDEWALK IMPROVEMENTS
OCPW PROJECT NO. 0193

**COLLIER BLVD, HUPPEL AVE.
& ROGERS ST.
DRAINAGE STRUCTURE SHEET**

SHEET NO. 37

FILE: H:\Jobs\FLO23.02-LittleEgypt\drainage\DRXSRD01 (Collier-Huppel-Rogers).DGN
DATE: 5/8/2018 8:27:46 AM

NOTE:
ALL UTILITIES THAT ARE IN CONFLICT WILL
BE RELOCATED OR REMOVED BY OTHERS IN
COORDINATION WITH THE CONTRACTOR.

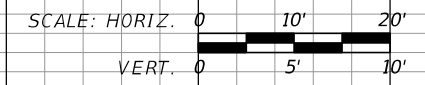
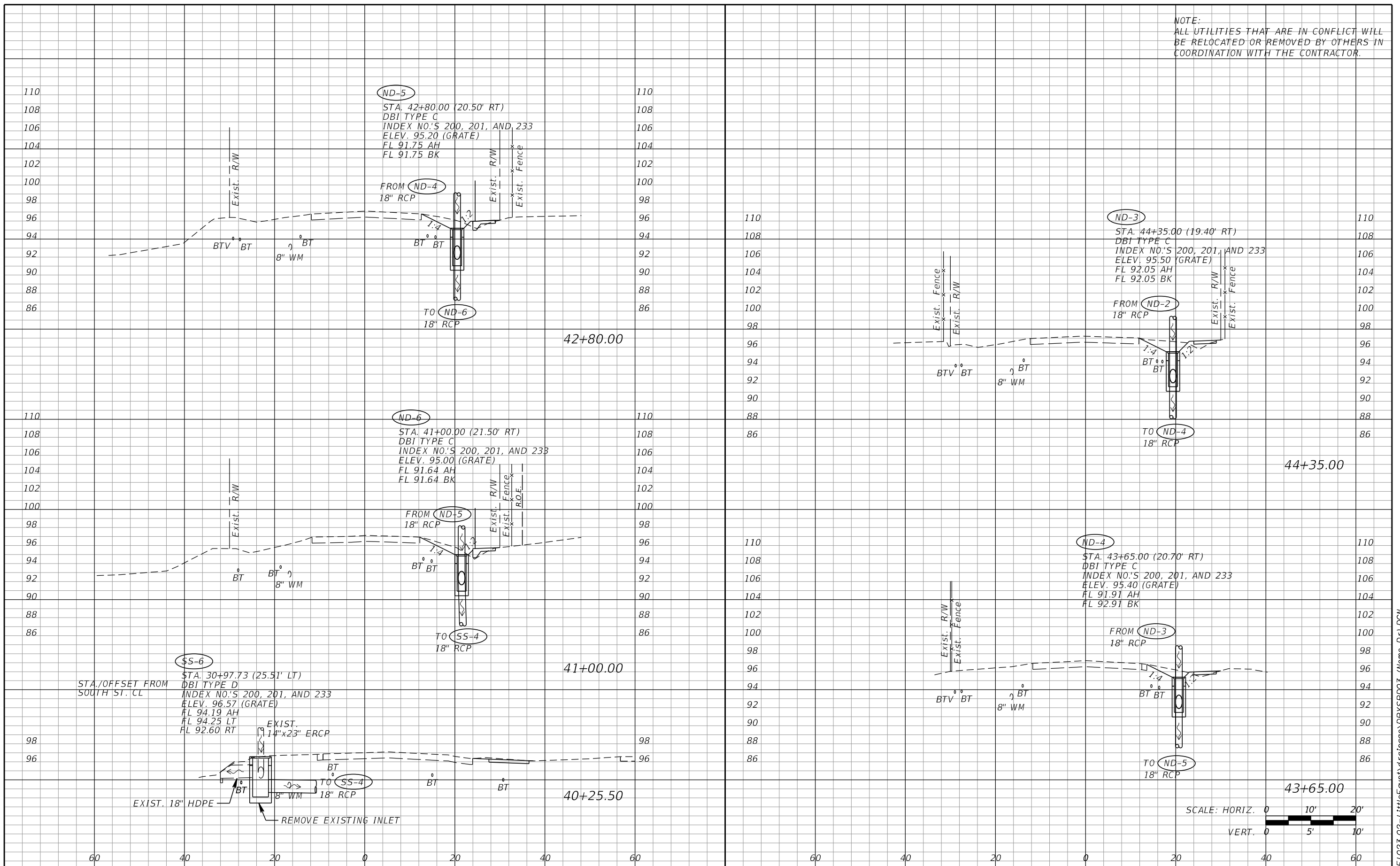


REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

GTC Engineering Corporation 98 South Semoran Blvd, Orlando, FL 32807 Phone Number - 407.380.0402 Certificate of Authorization Number 6758		ORANGE COUNTY PUBLIC WORKS GTC PROJECT NO. FLO 23.02 LITTLE EGYPT SIDEWALK IMPROVEMENTS OCPW PROJECT NO. 0193		W. SOUTH ST. DRAINAGE STRUCTURE SHEET SHEET NO. 38	
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FILE: H:\Jobs\FLO23.02-LittleEgypt\drainage\DRXSRD02 W South St1.DGN
 DATE: 2/16/2018 8:40:48 AM

NOTE:
ALL UTILITIES THAT ARE IN CONFLICT WILL
BE RELOCATED OR REMOVED BY OTHERS IN
COORDINATION WITH THE CONTRACTOR.



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

GTC Engineering Corporation
98 South Semoran Blvd, Orlando, FL 32807
Phone Number - 407.380.0402
Certificate of Authorization Number 6758
Claude L. Cassagnol, P.E.
P.E. Number 35490

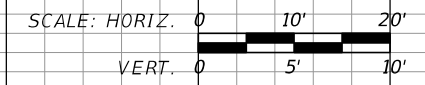
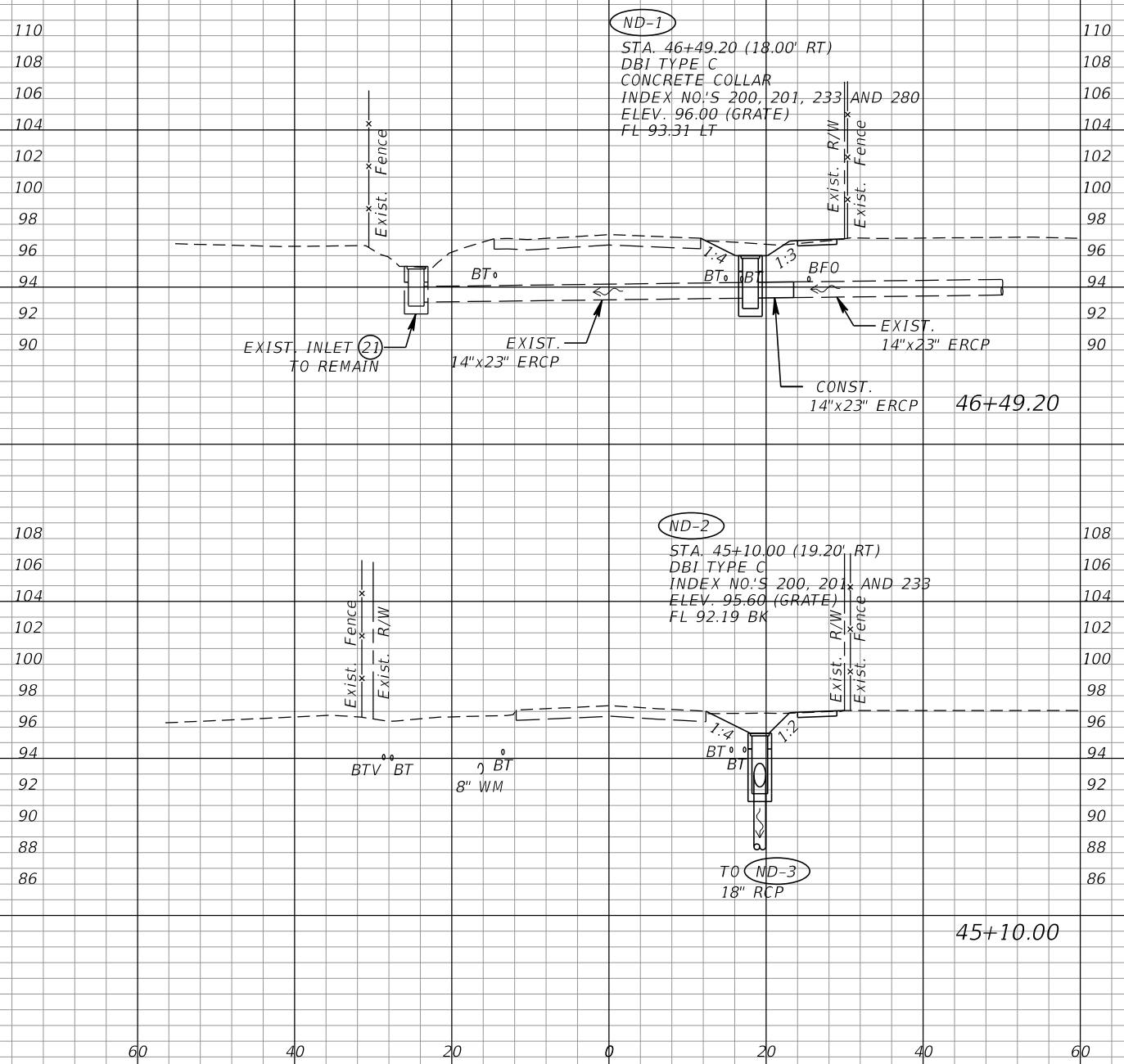
ORANGE COUNTY PUBLIC WORKS
GTC PROJECT NO. FLO 23.02
LITTLE EGYPT SIDEWALK IMPROVEMENTS
OCPW PROJECT NO. 0193

NOME DR.
DRAINAGE STRUCTURE SHEET

SHEET NO. 39

FILE: H:\Jobs\FLO23.02-LittleEgypt\Drainage\DRXSRD03 (Nome Dr).DGN
DATE: 5/8/2018 9:07:33 AM

NOTE:
ALL UTILITIES THAT ARE IN CONFLICT WILL
BE RELOCATED OR REMOVED BY OTHERS IN
COORDINATION WITH THE CONTRACTOR.



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

GTC Engineering Corporation
98 South Semoran Blvd, Orlando, FL 32807
Phone Number - 407.380.0402
Certificate of Authorization Number 6758
Claude L. Cassagnol, P.E.
P.E. Number 35490

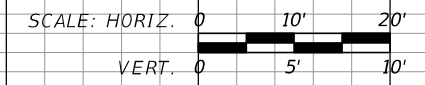
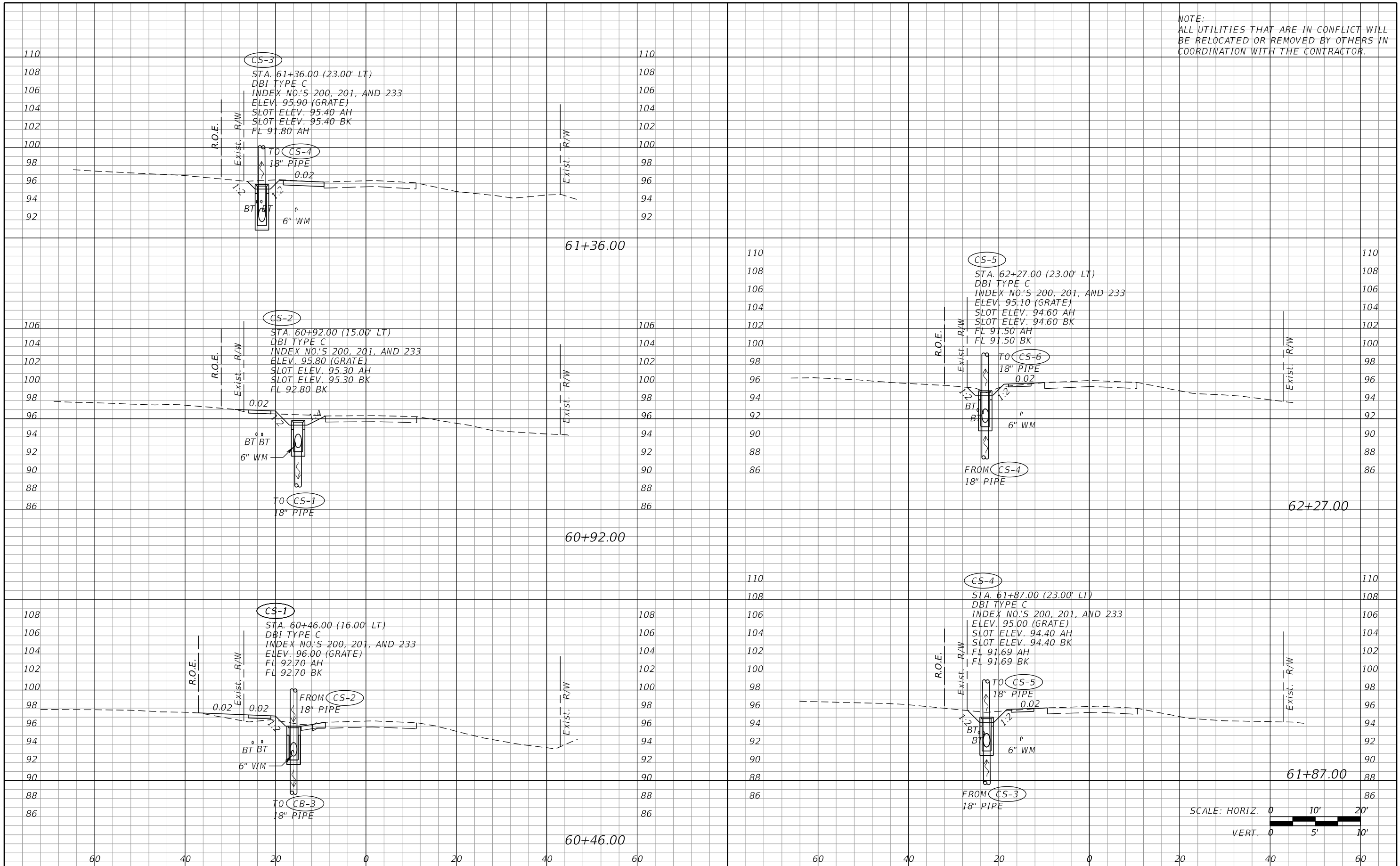
ORANGE COUNTY PUBLIC WORKS
GTC PROJECT NO. FLO 23.02
LITTLE EGYPT SIDEWALK IMPROVEMENTS
OCPW PROJECT NO. 0193

NOME DR.
DRAINAGE STRUCTURE SHEET

SHEET NO. 40

FILE: H:\Jobs\FLO23.02-LittleEgypt\drainage\DRXSRD03 (Nome Dr).DGN DATE: 5/8/2018 9:07:33 AM

NOTE:
ALL UTILITIES THAT ARE IN CONFLICT WILL
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COORDINATION WITH THE CONTRACTOR.

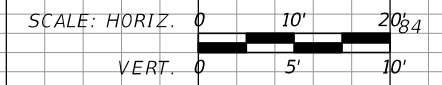
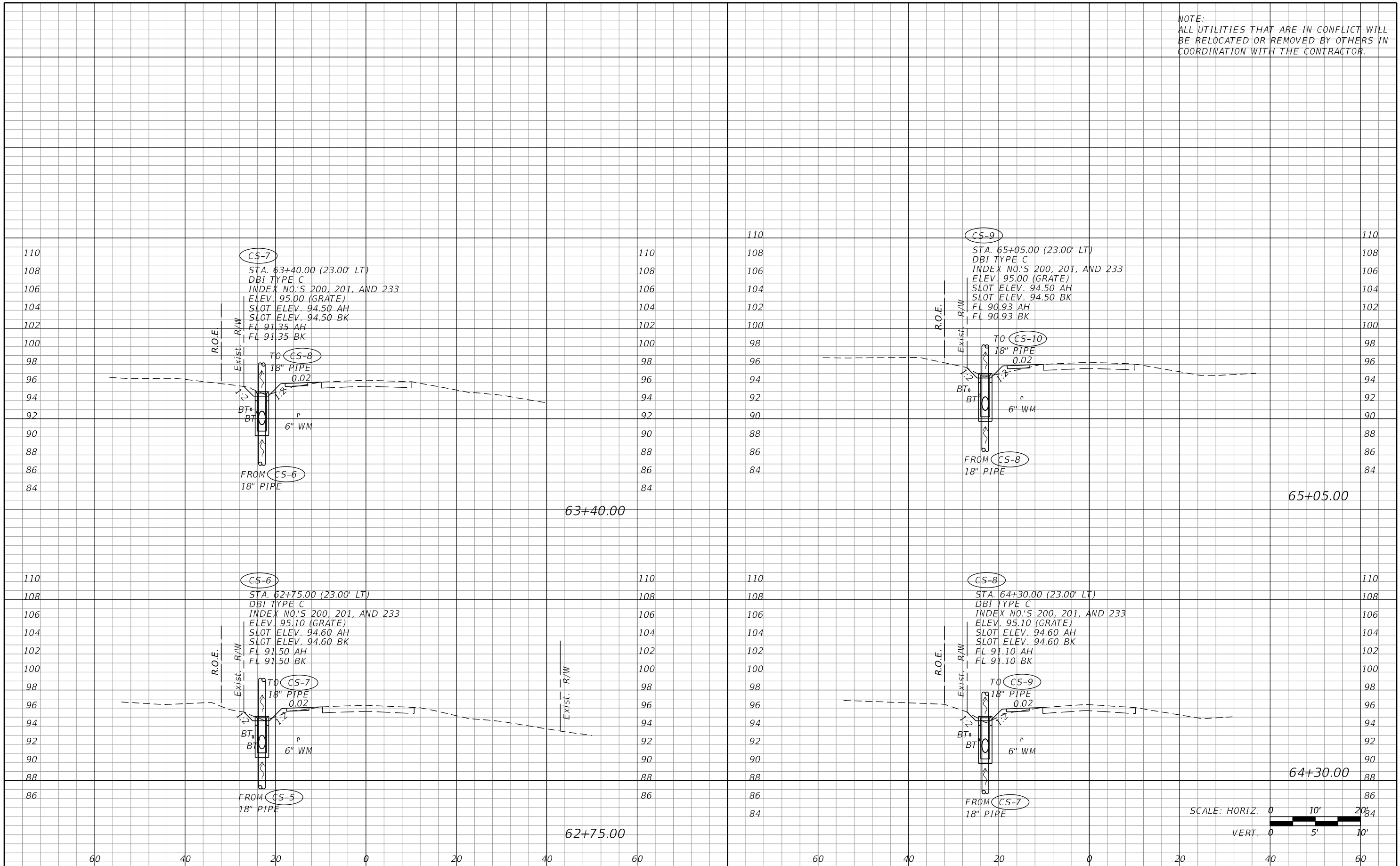


REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

GTC Engineering Corporation 98 South Semoran Blvd, Orlando, FL 32807 Phone Number - 407.380.0402 Certificate of Authorization Number 6758 Claude L. Cassagnol, P.E. P.E. Number 35490		ORANGE COUNTY PUBLIC WORKS GTC PROJECT NO. FLO 23.02 LITTLE EGYPT SIDEWALK IMPROVEMENTS OCPW PROJECT NO. 0193		CARTER STREET DRAINAGE STRUCTURE SHEET SHEET NO. 41	
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FILE: H:\Jobs\FLO23.02-LittleEgypt\Drainage\DRXSRD04 (Carter St).DGN
 DATE: 5/8/2018 8:27:50 AM

NOTE:
ALL UTILITIES THAT ARE IN CONFLICT WILL
BE RELOCATED OR REMOVED BY OTHERS IN
COORDINATION WITH THE CONTRACTOR.



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

GTC Engineering Corporation
98 South Semoran Blvd, Orlando, FL 32807
Phone Number - 407.380.0402
Certificate of Authorization Number 6758
Claude L. Cassagnol, P.E.
P.E. Number 35490

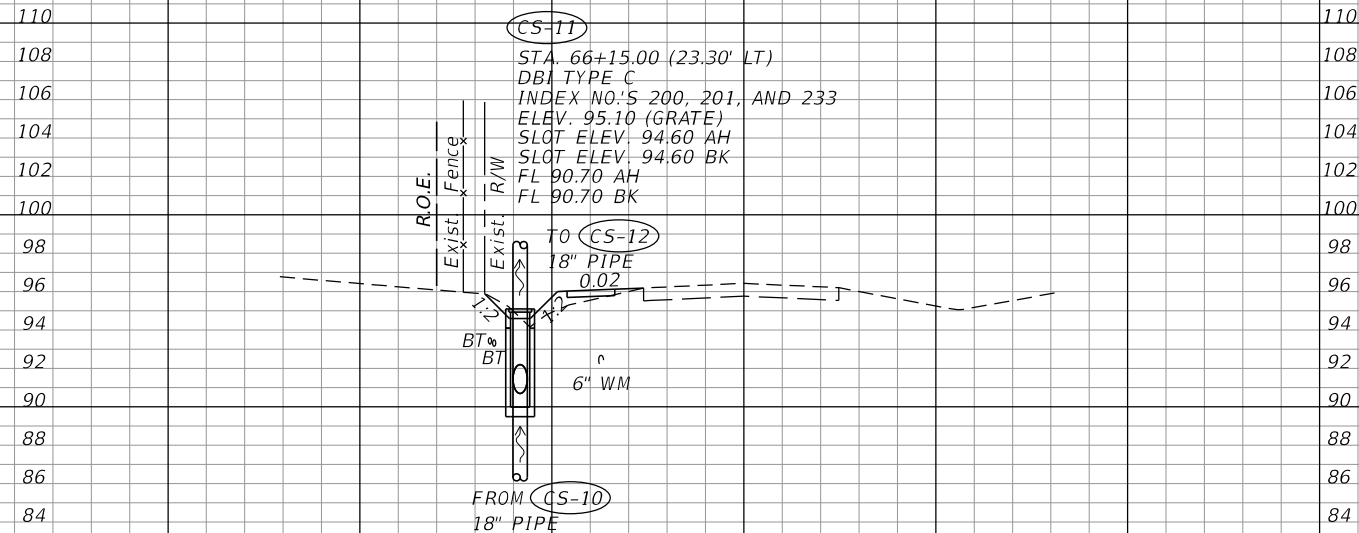
ORANGE COUNTY PUBLIC WORKS
GTC PROJECT NO. FLO 23.02
LITTLE EGYPT SIDEWALK IMPROVEMENTS
OCPW PROJECT NO. 0193

**CARTER STREET
DRAINAGE STRUCTURE SHEET**

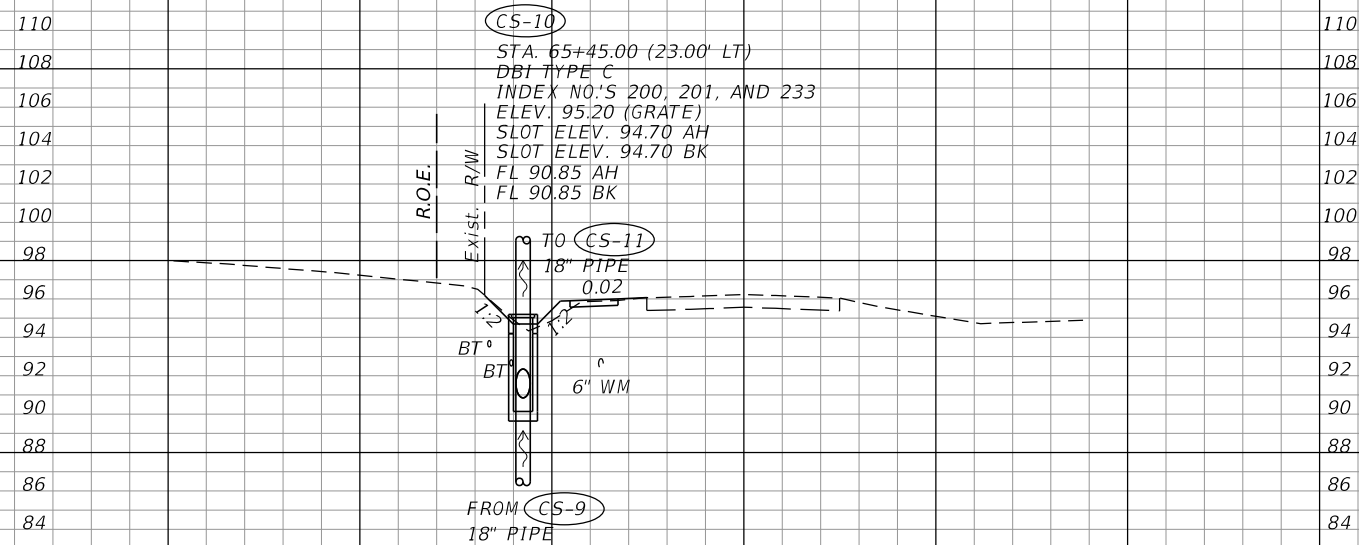
SHEET NO. 42

FILE: H:\Jobs\FLO23.02-LittleEgypt\drainage\DRXSRD04 (Carter St).DGN
DATE: 5/8/2018 8:27:50 AM

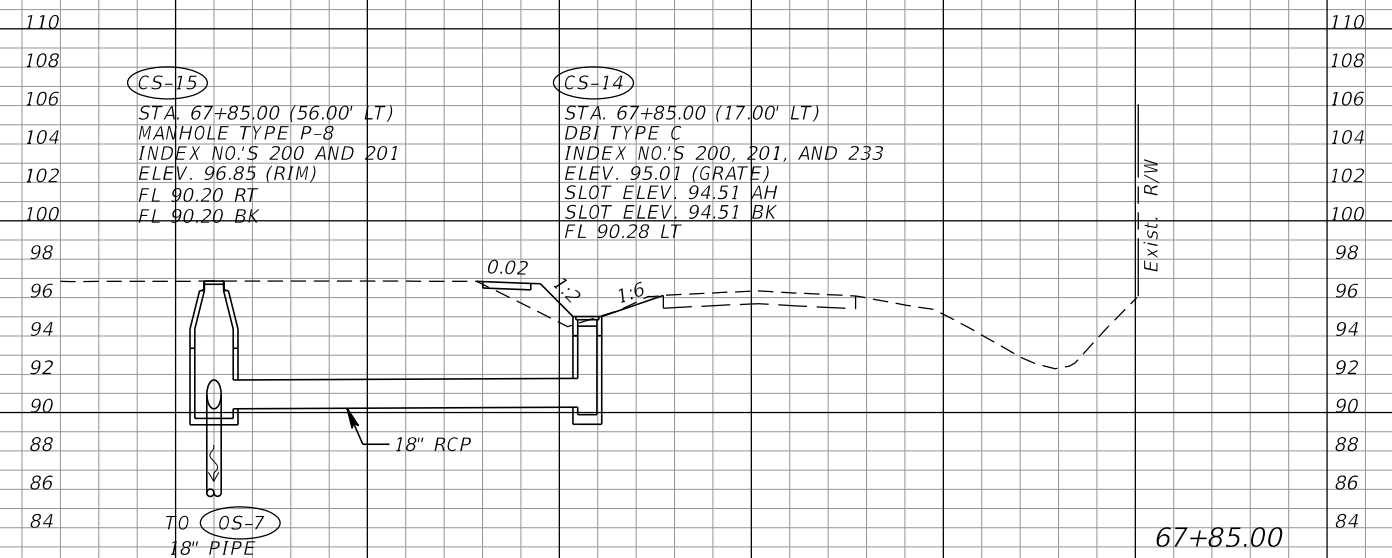
NOTE:
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BE RELOCATED OR REMOVED BY OTHERS IN
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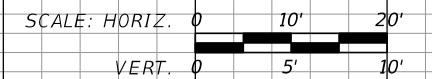
66+15.00



65+45.00



67+85.00



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

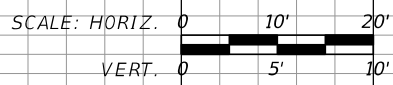
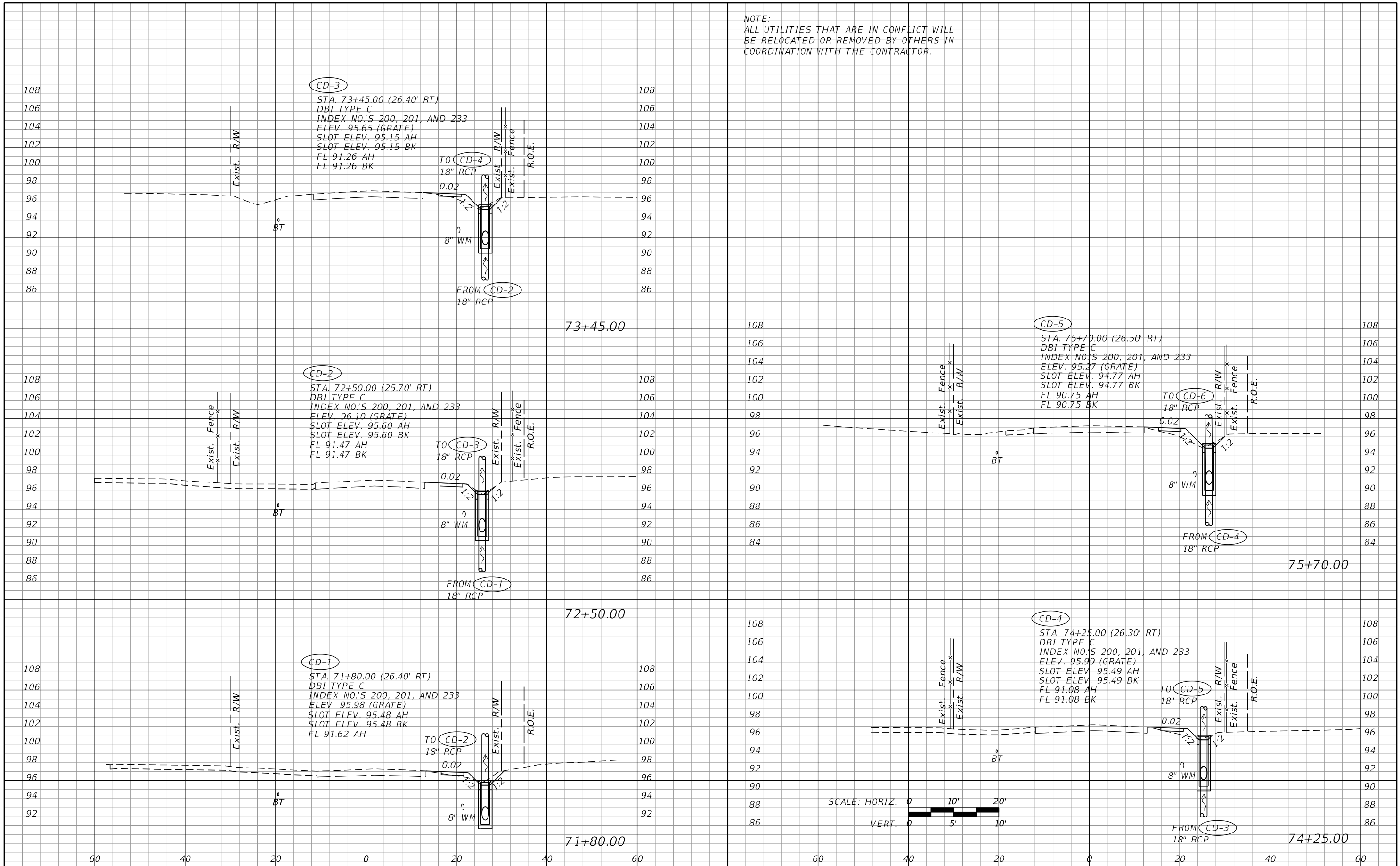
GTC Engineering Corporation
98 South Semoran Blvd, Orlando, FL 32807
Phone Number - 407.380.0402
Certificate of Authorization Number 6758
Claude L. Cassagnol, P.E.
P.E. Number 35490

ORANGE COUNTY PUBLIC WORKS
GTC PROJECT NO. FLO 23.02
LITTLE EGYPT SIDEWALK IMPROVEMENTS
OCPW PROJECT NO. 0193

**CARTER STREET
DRAINAGE STRUCTURE SHEET**

SHEET NO. 43

NOTE:
ALL UTILITIES THAT ARE IN CONFLICT WILL
BE RELOCATED OR REMOVED BY OTHERS IN
COORDINATION WITH THE CONTRACTOR.

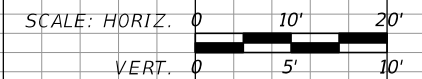
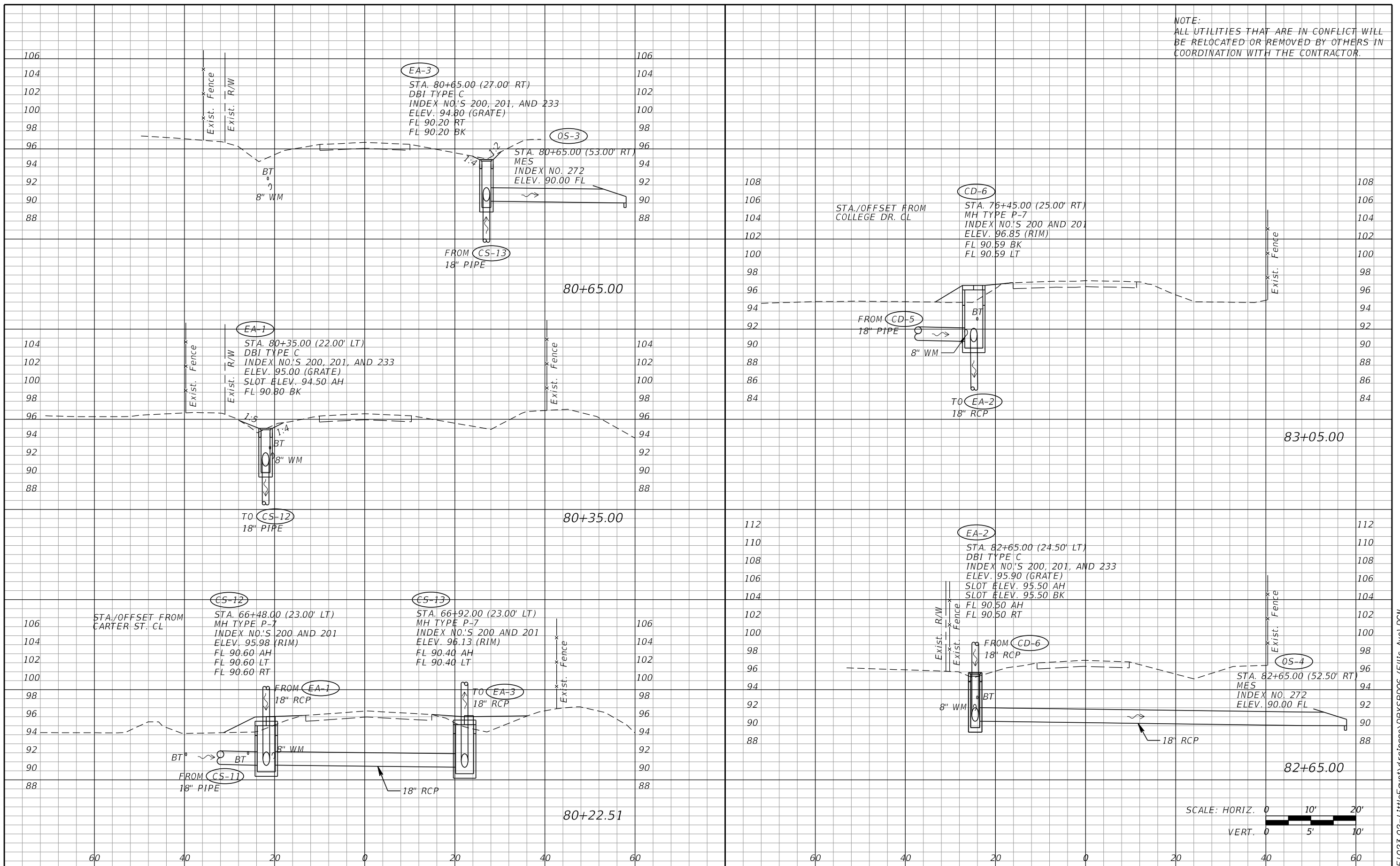


REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

GTC Engineering Corporation 98 South Semoran Blvd, Orlando, FL 32807 Phone Number - 407.380.0402 Certificate of Authorization Number 6758 Claude L. Cassagnol, P.E. P.E. Number 35490		ORANGE COUNTY PUBLIC WORKS GTC PROJECT NO. FLO 23.02 LITTLE EGYPT SIDEWALK IMPROVEMENTS OCPW PROJECT NO. 0193		COLLEGE DRIVE DRAINAGE STRUCTURE SHEET SHEET NO. 44	
---	--	---	--	---	--

FILE: H:\Jobs\FLO23.02-LittleEgypt\Drainage\DRXSRD05 (College Dr).DGN
 DATE: 2/16/2018 8:40:53 AM

NOTE:
ALL UTILITIES THAT ARE IN CONFLICT WILL
BE RELOCATED OR REMOVED BY OTHERS IN
COORDINATION WITH THE CONTRACTOR.



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

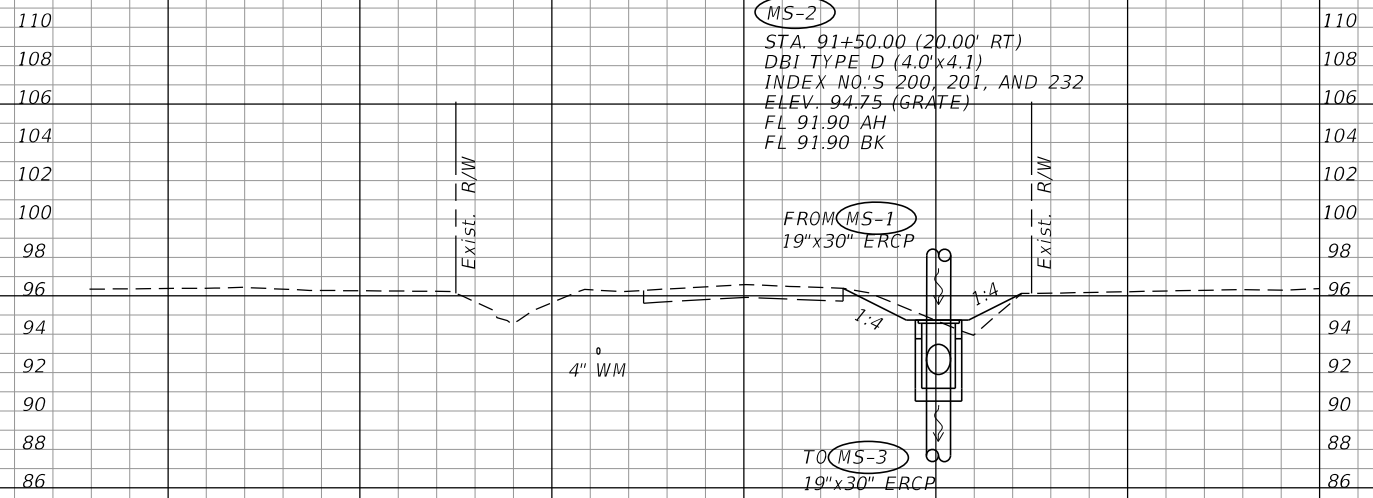
GTC Engineering Corporation
98 South Semoran Blvd, Orlando, FL 32807
Phone Number - 407.380.0402
Certificate of Authorization Number 6758
Claude L. Cassagnol, P.E.
P.E. Number 35490

ORANGE COUNTY PUBLIC WORKS
GTC PROJECT NO. FLO 23.02
LITTLE EGYPT SIDEWALK IMPROVEMENTS
OCPW PROJECT NO. 0193

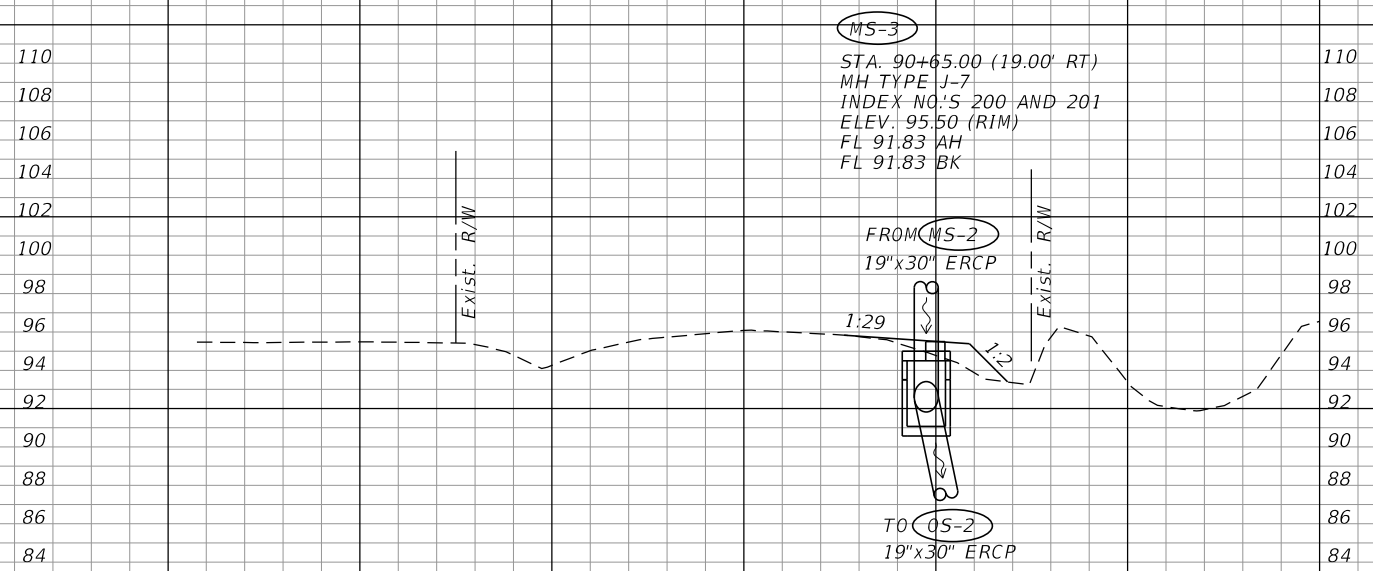
**ELLIS AVE.
DRAINAGE STRUCTURE SHEET**

SHEET NO. 45

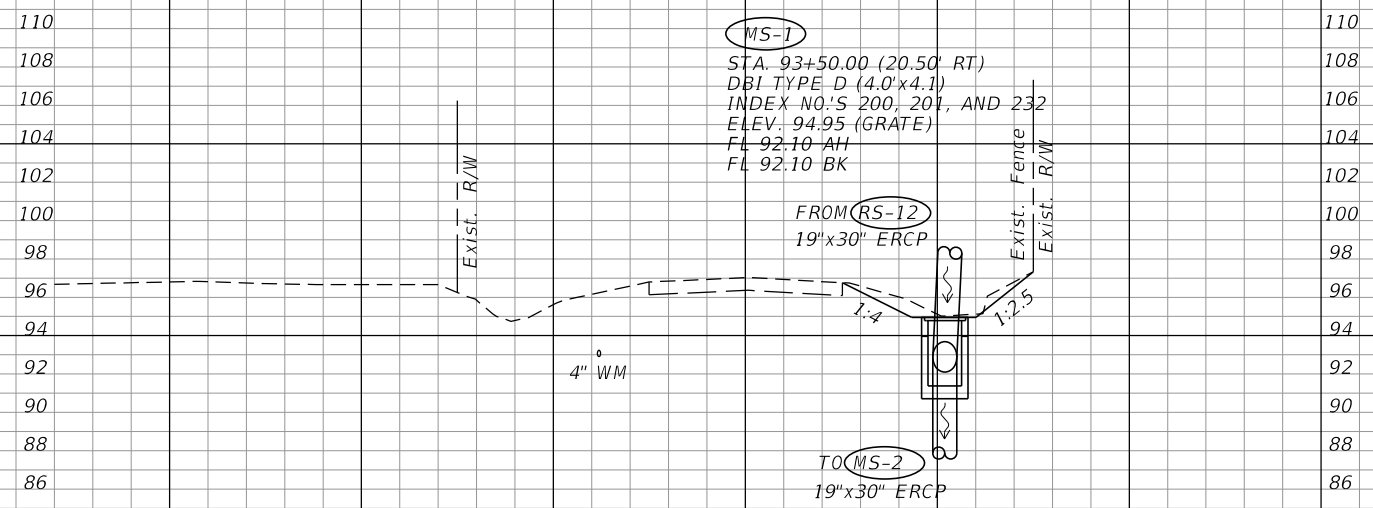
NOTE:
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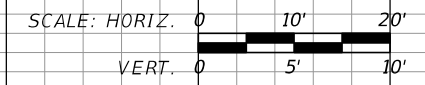
91+50.00



90+65.00



93+50.00



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

GTC Engineering Corporation
98 South Semoran Blvd, Orlando, FL 32807
Phone Number - 407.380.0402
Certificate of Authorization Number 6758
Claude L. Cassagnol, P.E.
P.E. Number 35490

ORANGE COUNTY PUBLIC WORKS
GTC PROJECT NO. FLO 23.02
LITTLE EGYPT SIDEWALK IMPROVEMENTS
OCPW PROJECT NO. 0193

**MERCER ST.
DRAINAGE STRUCTURE SHEET**

SHEET NO. 46

FILE: H:\Jobs\FLO23.02-LittleEgypt\drainage\DRXSRD07 (Mercer St).DGN
DATE: 2/16/2018 8:40:56 AM

Date: 05/03/17
 GNN
 MS
 GNN
 Date: 05/03/17
 GNN
 MS
 GNN
 Date: 05/03/17
 GNN
 MS
 GNN
 Date: 05/02/17
 ORIGINATOR
 MS
 Date:
 05/02/17
 C/O/A REVIEW

PROJECT NO.: R17-004
 PROJECT DESCRIPTION: LITTLE EYPT SIDEWALK IMPROVEMENTS
 SUBMITTED BY: NES

NADIC ENGINEERING SERVICES, INC. ROADWAY CROSS SECTION OF SOIL SURVEY REPORT OF TESTS

QUADRANGLE: ORLANDO WEST, FL
 SECTION: 30 & 31
 TOWNSHIP: 22 SOUTH
 RANGE: 29 EAST

 SURVEY BEGINS: 10+00
 SURVEY ENDS: 83+30.93

 DATE REPORTED: APRIL, 2017

STRATUM NO.	No. OF TESTS	ORGANIC CONTENT		MOISTURE CONTENT		SIEVE ANALYSIS RESULTS % PASS					ATTERBERG LIMITS (%)			DESCRIPTION	No. OF TESTS	pH	CORROSION TEST RESULTS			SUBSTRUCTURE ENVIRONMENTAL CLASSIFICATION		
		% ORGANIC	No. OF TESTS	% MOISTURE CONTENT	No. OF TESTS	% PASSING 10 MESH	% PASSING 40 MESH	% PASSING 60 MESH	% PASSING 100 MESH	% PASSING 200 MESH	No. OF TESTS	LIQUID LIMIT	PLASTIC INDEX				AASHTO GROUP	RESISTIVITY OHM-CM	CHLORIDES PPM	SULFATE PPM	CONCRETE	STEEL
1	-	-	3	11-24	3 (FULL)	100	99	94	63-66	9	-	-	-	A-3	GRAY TO DARK BROWN FINE SAND TO FINE SAND WITH CLAY AND SILT, AND OCCASIONAL TRASH AND/OR ORGANIC MATERIAL WITH ROOTS	-	-	-	-	-	-	-
2	-	-	2	11-23	2 (FULL)	100	97-99	91-94	69-70	20-33	-	-	-	A-2-6	LIGHT BROWN TO BROWN CLAYEY SAND TO CLAYEY SAND WITH ROOTS	-	-	-	-	-	-	-
3	-	-	2	22-30	2 (-200)	-	-	-	-	43-47	2	41-42	25-28	A-7-6	LIGHT BROWN TO BROWN SANDY CLAY	-	-	-	-	-	-	-
4	2	11-14	3	54-97	1 (FULL) 2 (-200)	100	98	94	74	44	-	-	-	A-8	DARK BROWN ORGANIC FINE SAND WITH ROOTS	-	-	-	-	-	-	-

NOTES:

- (1) STRATA BOUNDRIES ARE APPROXIMATE AND REPRESENT SOIL STRATA AT EACH TEST HOLE LOCATION ONLY. ANY STRATUM CONNECTING LINES SHOWN ARE FOR ESTIMATING EARTHWORK ONLY AND DO NOT INDICATE ACTUAL STRATUM LIMITS. SUBSURFACE VARIATIONS BETWEEN BORINGS SHOULD BE ANTICIPATED AS INDICATED IN FDOT SECTION 2-4. FOR FURTHER DETAILS SEE FDOT SECTION 120-3.
- (2) SOIL PARAMETER NOT TESTED DENOTED AS "-" ABOVE.
- (3) ▼ INDICATES WATER TABLE WHERE ENCOUNTERED AT THE TIME OF SURVEY.
 ☒ INDICATES ESTIMATED SEASONAL HIGH WATER LEVEL.
 GNE GROUNDWATER NOT ENCOUNTERED
- (4) REMOVAL OF PLASTIC AND HIGH PLASTIC MATERIAL OCCURING WITHIN THE ROADWAY SHALL BE ACCOMPLISHED IN ACCORDANCE WITH INDEX No. 500 UNLESS OTHERWISE STATED IN THE PLANS. THE MATERIAL UTILIZED IN EMBANKMENT CONSTRUCTION SHALL BE IN ACCORDANCE WITH FDOT STANDARD INDEX No. 505.
- (5) STRATUM 1 SHALL BE TREATED AS SELECT (S) MATERIALS PER FDOT INDEX No. 505.
- (6) STRATA 2 AND 3 SHALL BE TREATED AS PLASTIC (P) AND HIGH PLASTIC (H) MATERIALS PER FDOT INDEX Nos. 500 AND 505.
- (7) STRATUM 4 SHALL BE TREATED AS MUCK (M) MATERIALS PER FDOT INDEX Nos. 500 AND 505.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



ENGINEER OF RECORD:
NES
 NADIC ENGINEERING SERVICES, INC.
 601 N. HART BLVD.
 ORLANDO, FL 32818
 CERTIFICATE OF AUTHORIZATION NO. 00008214
 DR. GODWIN N. NNADI P.E. NO. 50637

SEAL:

ORANGE COUNTY PUBLIC WORKS		
ROAD NAME	COUNTY	PROJECT NO.
-	ORANGE	Y16-900C

SHEET TITLE:
 ROADWAY SOIL SURVEY
 PROJECT NAME:
 LITTLE EGYPT SIDEWALK IMPROVEMENTS

SHEET NO.
 47

Collier Boulevard

Huppel Avenue

Rogers Street

Boring No.:
Approximate Station:
Offset:
Elevation:
Date Drilled:

AB-1
10+87
20' RT
96.3'
04/25/17

PERM-1
12+19
17' RT
96.7'
04/27/17

AB-2
12+88
18' RT
96.9'
04/25/17

AB-3
14+88
15' LT
97.0'
04/25/17

AB-4
16+74
22' LT
96.1'
04/25/17

PERM-2
17+92
20' RT
96.7'
04/27/17

AB-5
18+77
22' RT
96.4'
04/25/17

AB-6
20+60
25' LT
95.2'
04/28/17

PERM-3
21+33
23' LT
95.7'
04/28/17

AB-7
23+06
24' LT
95.4'
04/28/17

ELEVATION IN FEET (NAVD88)

ELEVATION IN FEET (NAVD88)

Rogers Street

W. South Street

Boring No.:
Approximate Station:
Offset:
Elevation:
Date Drilled:

PERM-4
24+04
22' LT
95.7'
04/28/17

AB-8
24+91
22' LT
96.3'
04/27/17

AB-9/PERM-5
32+01
17' LT
96.4'
04/25/17

AB-10
33+72
15' LT
96.7'
04/28/17

AB-11
35+26
18' LT
96.3'
04/25/17

AB-12/ PERM-6
37+56
17' LT
94.2'
04/25/17

ELEVATION IN FEET (NAVD88)

ELEVATION IN FEET (NAVD88)

LEGEND

- ① Gray to dark brown fine SAND to fine SAND with clay and silt, and occasional trash and/or organic material with roots, (A-3)
- ② Light brown to brown clayey SAND to clayey SAND with roots, (A-2-6)
- ③ Light brown to brown sandy CLAY, (A-6)
- ④ Dark brown ORGANIC fine sand with roots, (A-8)
- ▼ Groundwater level encountered on date shown
- ▽ Estimated seasonal high groundwater level
- GNE Groundwater not encountered
- (A-3) A.A.S.H.T.O.: Soil classification group symbol as determined by visual examination

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

NAMES	DATES
Drawn by: MS	09/18/17
Checked by: GNN	09/18/17
Designed by: N/A	N/A
Checked by: N/A	N/A
Approved by: GNN	

NADIC ENGINEERING SERVICES, INC.
601 N. HART BOULEVARD
ORLANDO, FL 32818
PH (407) 521-4771 FAX (407) 521-4772



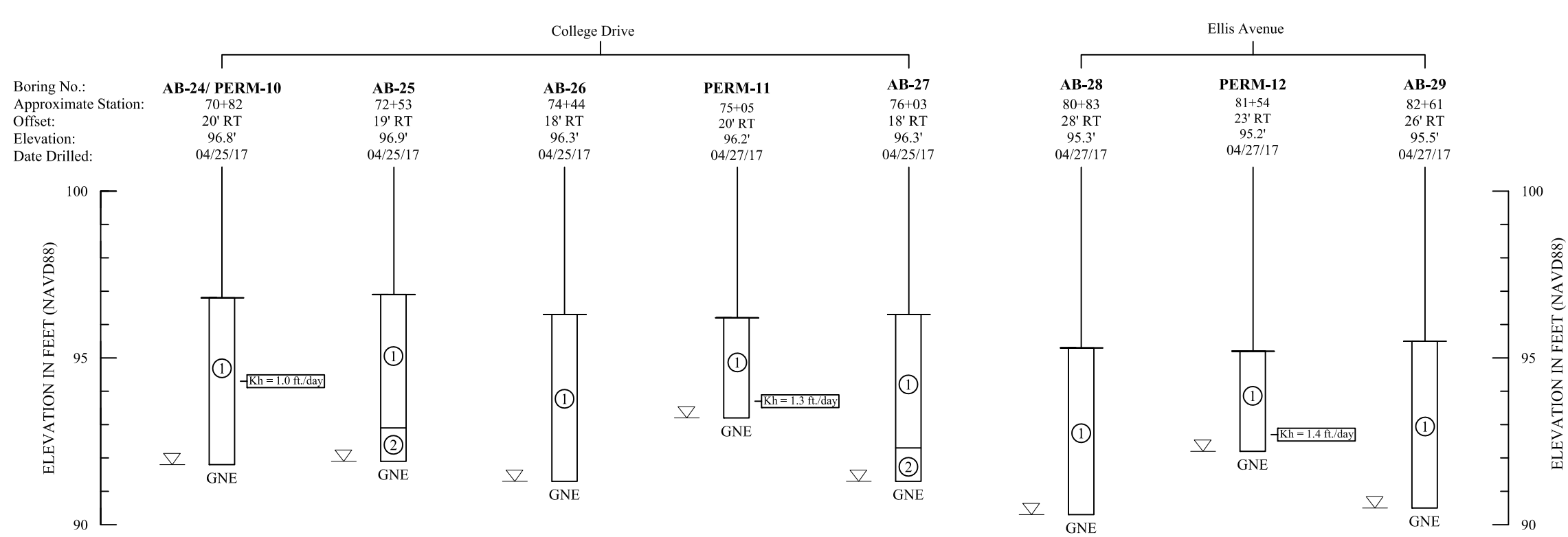
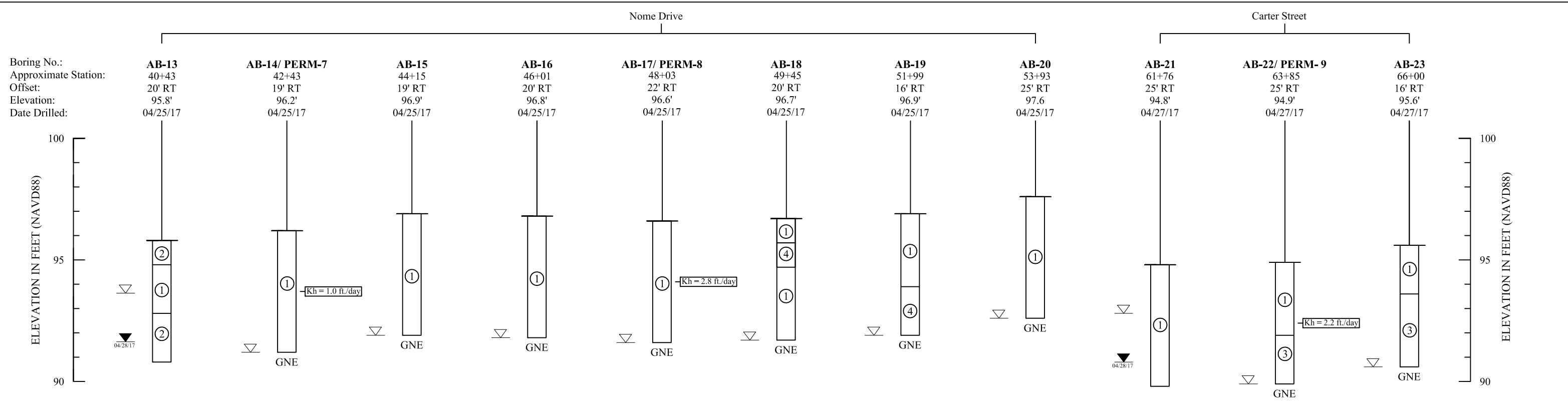
ORANGE COUNTY PUBLIC WORKS DEPARTMENT

COUNTY	PROJECT NO.
ORANGE	Y16-900C

SHEET TITLE:
REPORT OF AUGER BORINGS

PROJECT NAME:
LITTLE EGYPT SIDEWALK IMPROVEMENTS

SHEET NO.
48



LEGEND

- ① Gray to dark brown fine SAND to fine SAND with clay and silt, and occasional trash and/or organic material with roots, (A-3)
- ② Light brown to brown clayey SAND to clayey SAND with roots, (A-2-6)
- ③ Light brown to brown sandy CLAY, (A-6)
- ④ Dark brown ORGANIC fine sand with roots, (A-8)
- ▼ 04/27/17 Groundwater level encountered on date shown
- ▽ Estimated seasonal high groundwater level
- GNE Groundwater not encountered
- (A-3) A.A.S.H.T.O.: Soil classification group symbol as determined by visual examination

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

	NAMES	DATES
Drawn by:	MS	09/18/17
Checked by:	GNN	09/18/17
Designed by:	N/A	N/A
Checked by:	N/A	N/A
Approved by:	GNN	

NADIC ENGINEERING SERVICES, INC.
 601 N. HART BOULEVARD
 ORLANDO, FL 32818
 PH (407) 521-4771 FAX (407) 521-4772



**ORANGE COUNTY
 PUBLIC WORKS DEPARTMENT**

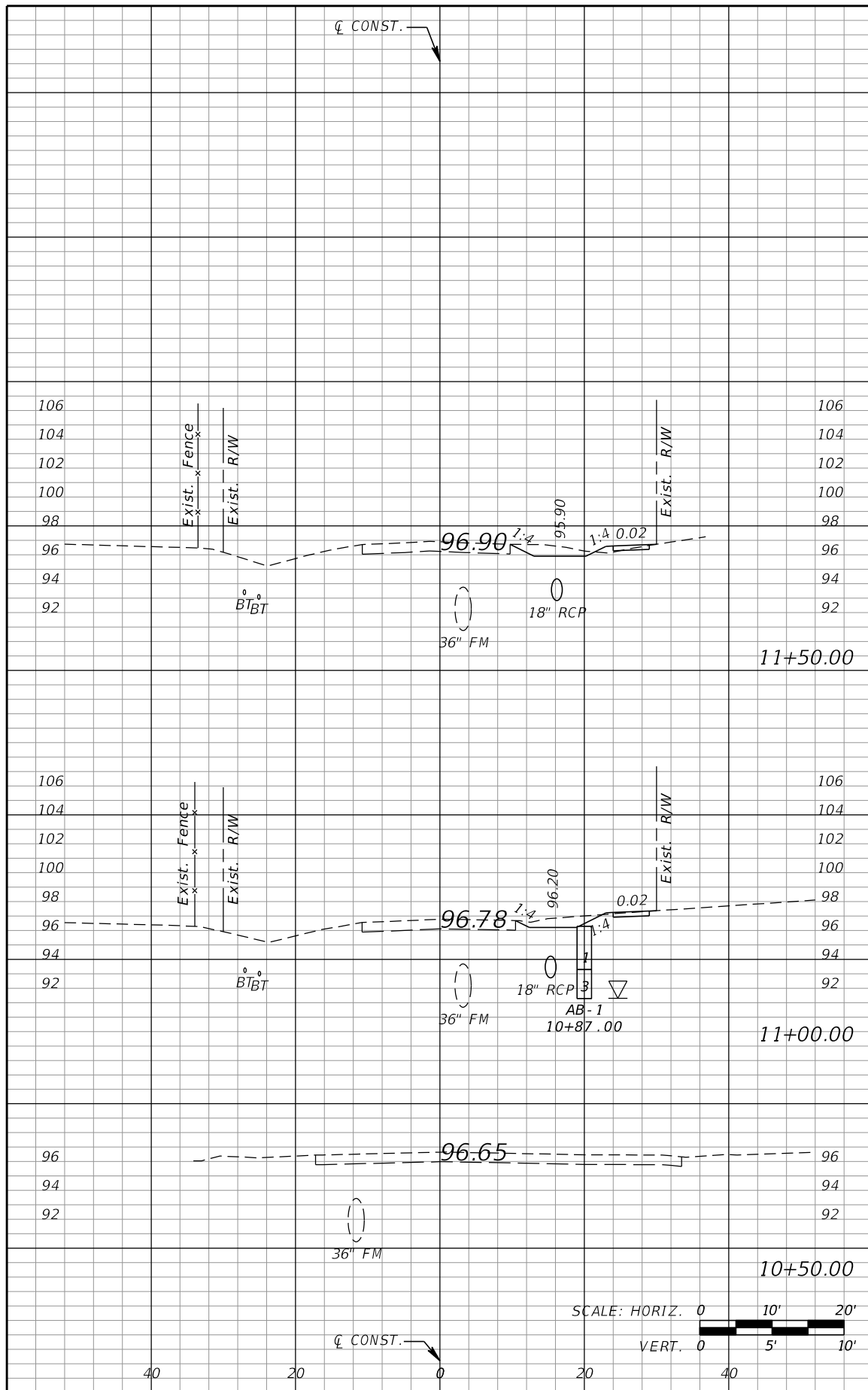
COUNTY	PROJECT NO.
ORANGE	Y16-900C

SHEET TITLE:
REPORT OF AUGER BORINGS

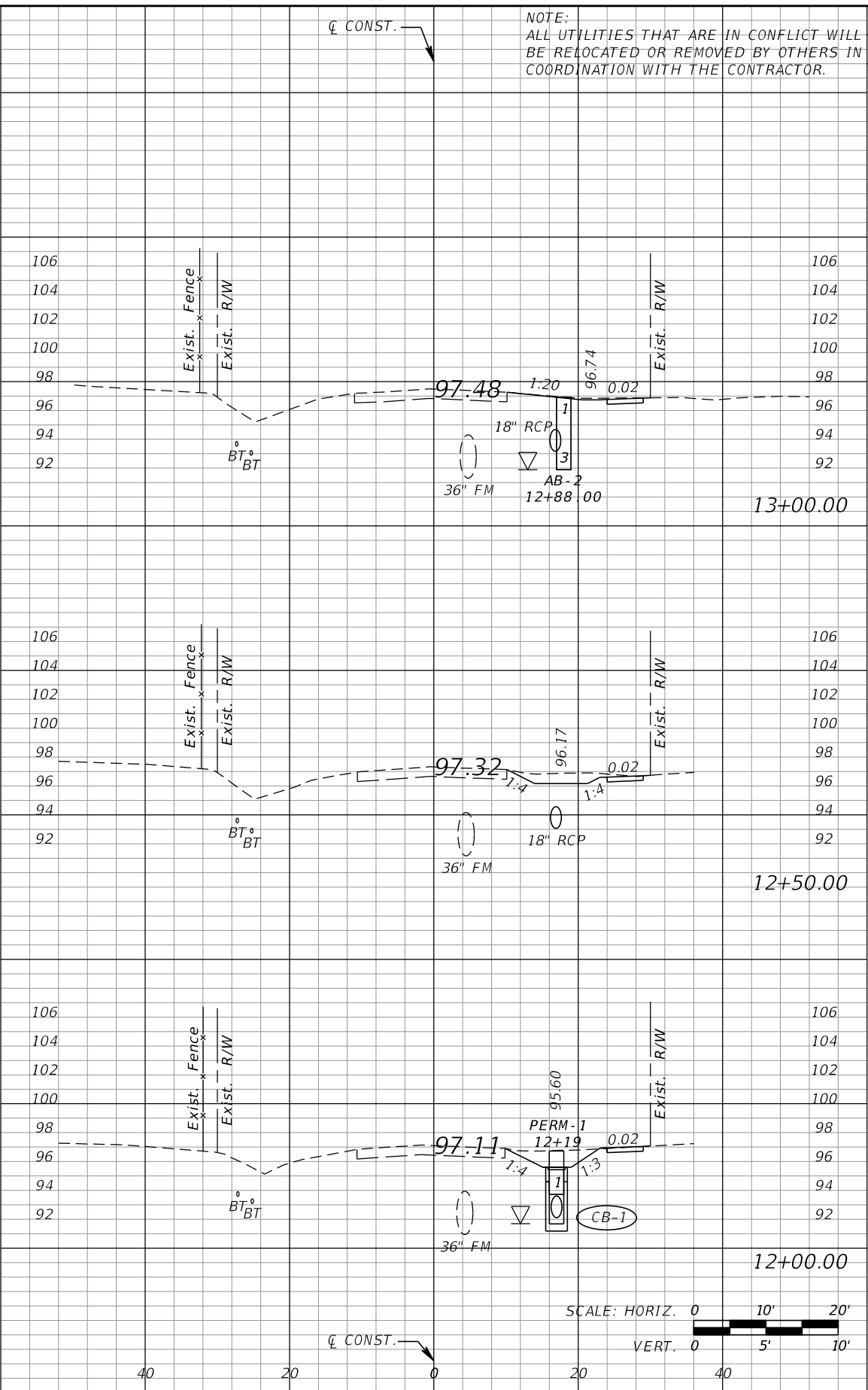
PROJECT NAME: LITTLE EGYPT SIDEWALK IMPROVEMENTS	SHEET NO. 49
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Z:\Roadways\Ghnaadi\Orange County\Little Egypt Sidewalk\Working Folder\AutoCAD

SHEET 3



Regular Exc.		Embankment	
A	V	A	V
0	0	0	0
7	0	0	0
6	0	0	0
7	1	1	1
13	1	1	1



Regular Exc.		Embankment	
A	V	A	V
10	0	0	1
9	0	0	0
18	0	0	0
3	0	0	0
11	0	0	0

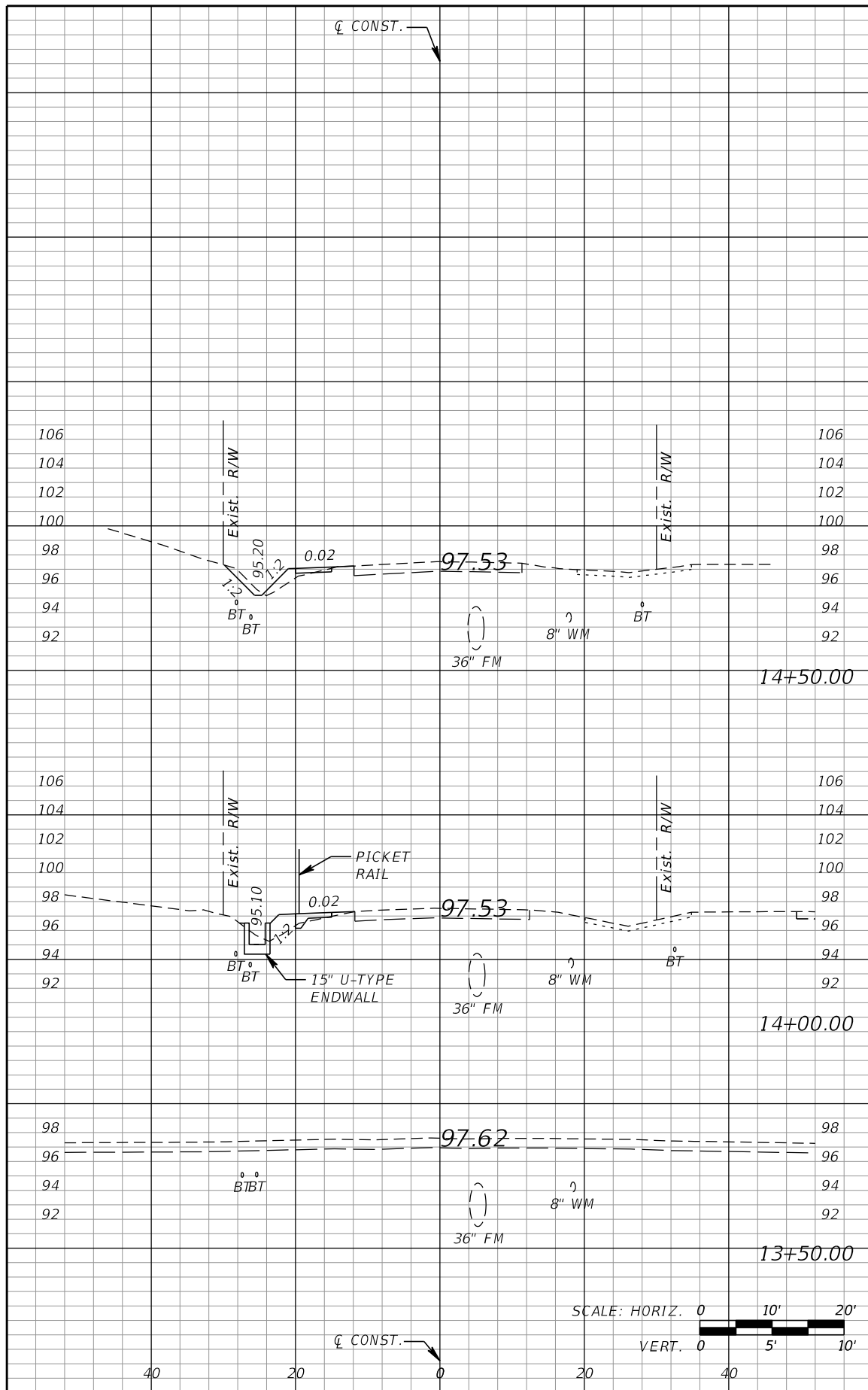
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

GTC Engineering Corporation
 98 South Semoran Blvd, Orlando, FL 32807
 Phone Number - 407.380.0402
 Certificate of Authorization Number 6758
 Claude L. Cassagnol, P.E.
 P.E. Number 35490

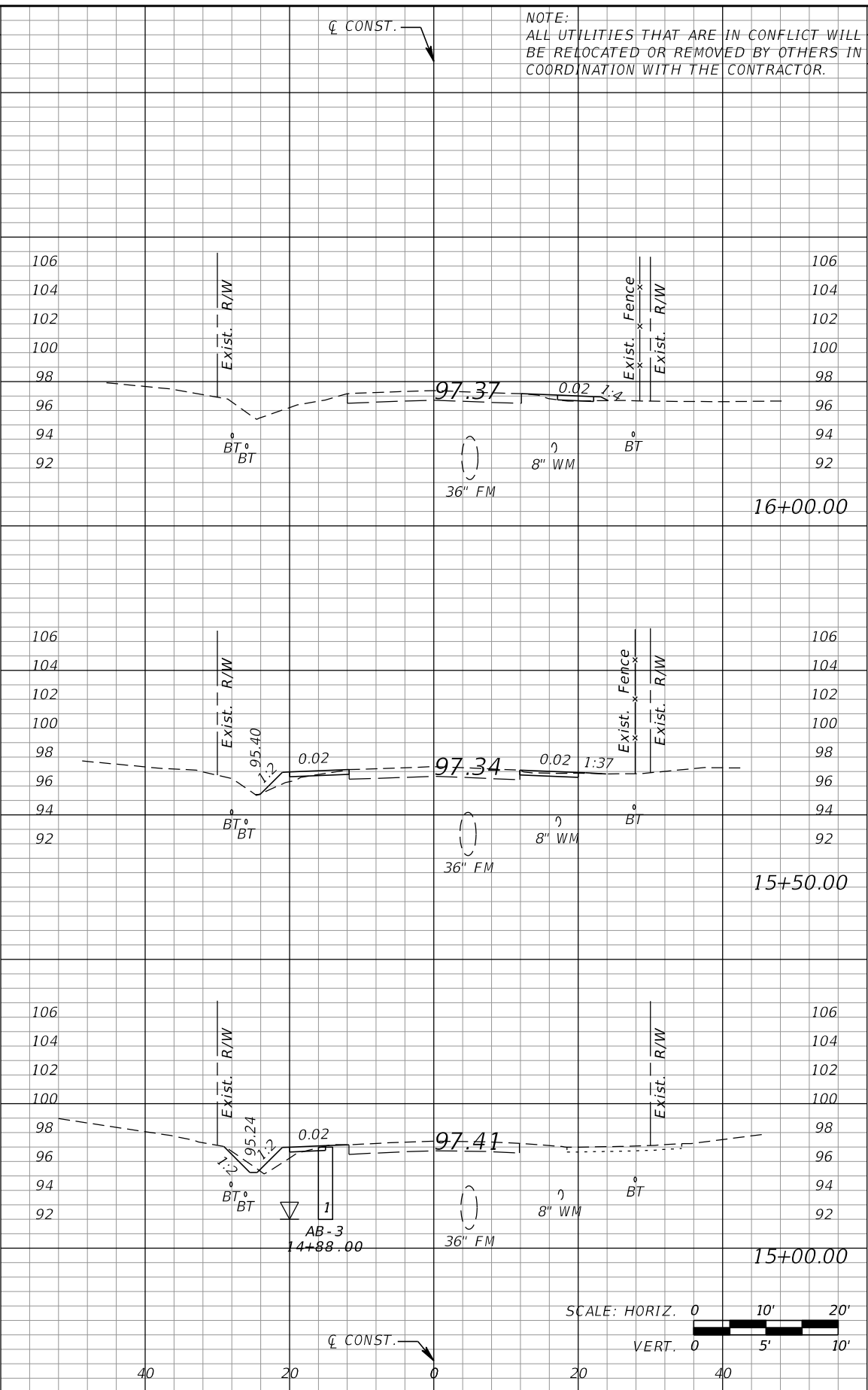
ORANGE COUNTY PUBLIC WORKS
 GTC PROJECT NO. FLO 23.02
 LITTLE EGYPT SIDEWALK IMPROVEMENTS
 OCPW PROJECT NO. 0193

COLLIER BLVD, HUPPEL AVE. & ROGERS ST. CROSS SECTIONS
 SHEET NO. 50

FILE: H:\Jobs\FLO23.02-LittleEgypt\roadway\RD\SRD01 (Collier-Huppel-Rogers).DGN
 DATE: 2/16/2018 8:40:58 AM



Regular Exc.		Embankment	
A	V	A	V
3	5	3	7
2	2	5	5
3	3	0	0



Regular Exc.		Embankment	
A	V	A	V
0	3	0	3
3	5	2	6
2	5	4	6

NOTE:
ALL UTILITIES THAT ARE IN CONFLICT WILL
BE RELOCATED OR REMOVED BY OTHERS IN
COORDINATION WITH THE CONTRACTOR.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

GTC Engineering Corporation
98 South Semoran Blvd, Orlando, FL 32807
Phone Number - 407.380.0402
Certificate of Authorization Number 6758
Claude L. Cassagnol, P.E.
P.E. Number 35490

ORANGE COUNTY PUBLIC WORKS
GTC PROJECT NO. FLO 23.02
LITTLE EGYPT SIDEWALK IMPROVEMENTS
OCPW PROJECT NO. 0193

**COLLIER BLVD, HUPPEL AVE.
& ROGERS ST.
CROSS SECTIONS**

SHEET NO. 51

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